

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020519\
 Data File : BF112411.D
 Acq On : 5 Feb 2019 22:16
 Operator : JU/SJ
 Sample : K1341-02MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-AMSD

Quant Time: Feb 06 00:46:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	164551	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	598482	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	259824	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	410389	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	296200	20.00	ng	0.00
87) Perylene-d12	15.47	264	232323	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1118131	144.33	ng	0.01
7) Phenol-d6	6.49	99	1314030	122.07	ng	0.00
23) Nitrobenzene-d5	7.40	82	937747	90.28	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	361483	119.53	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1764033	96.02	ng	-0.01
79) Terphenyl-d14	12.94	244	1434243	91.20	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.80	88	155428	50.364	ng	# 84
3) Pyridine	3.52	79	348012	44.332	ng	98
4) n-Nitrosodimethylamine	3.45	42	207758	62.992	ng	92
6) Aniline	6.50	93	107646	8.406	ng	# 1
8) 2-Chlorophenol	6.63	128	477759	45.843	ng	99
9) Benzaldehyde	6.39	77	249431	44.331	ng	99
10) Phenol	6.50	94	469743	39.774	ng	80
11) bis(2-Chloroethyl)ether	6.57	93	429470	46.189	ng	99
12) 1,3-Dichlorobenzene	6.77	146	528118	43.513	ng	99
13) 1,4-Dichlorobenzene	6.85	146	546402	43.743	ng	97
14) 1,2-Dichlorobenzene	7.00	146	499483	42.709	ng	96
15) Benzyl Alcohol	6.99	79	387302	42.680	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.11	45	524178	43.907	ng	# 42
17) 2-Methylphenol	7.10	107	358036	43.338	ng	# 88
18) Hexachloroethane	7.35	117	173150	39.475	ng	93
19) n-Nitroso-di-n-propylamine	7.25	70	324016	43.651	ng	98
20) 3+4-Methylphenols	7.26	107	472516	44.727	ng	# 61
22) Acetophenone	7.25	105	656640	45.058	ng	94
24) Nitrobenzene	7.42	77	480978	46.367	ng	95
25) Isophorone	7.66	82	841382	51.636	ng	99
26) 2-Nitrophenol	7.73	139	238905	43.095	ng	91
27) 2,4-Dimethylphenol	7.78	122	400027	52.374	ng	94
28) bis(2-Chloroethoxy)methane	7.86	93	539493	48.624	ng	98
29) 2,4-Dichlorophenol	7.99	162	396495	46.388	ng	99
30) 1,2,4-Trichlorobenzene	8.06	180	444307	45.223	ng	100
31) Naphthalene	8.14	128	1356270	48.460	ng	99
32) Benzoic acid	7.92	122	128235	29.433	ng	98
33) 4-Chloroaniline	8.19	127	64299	5.276	ng	97
34) Hexachlorobutadiene	8.25	225	249399	43.258	ng	99
35) Caprolactam	8.57	113	98326	32.609	ng	97
36) 4-Chloro-3-methylphenol	8.69	107	383894	42.427	ng	95
37) 2-Methylnaphthalene	8.83	142	927544	48.411	ng	98
38) 1-Methylnaphthalene	8.93	142	855319	46.575	ng	96
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	417163	48.900	ng	99

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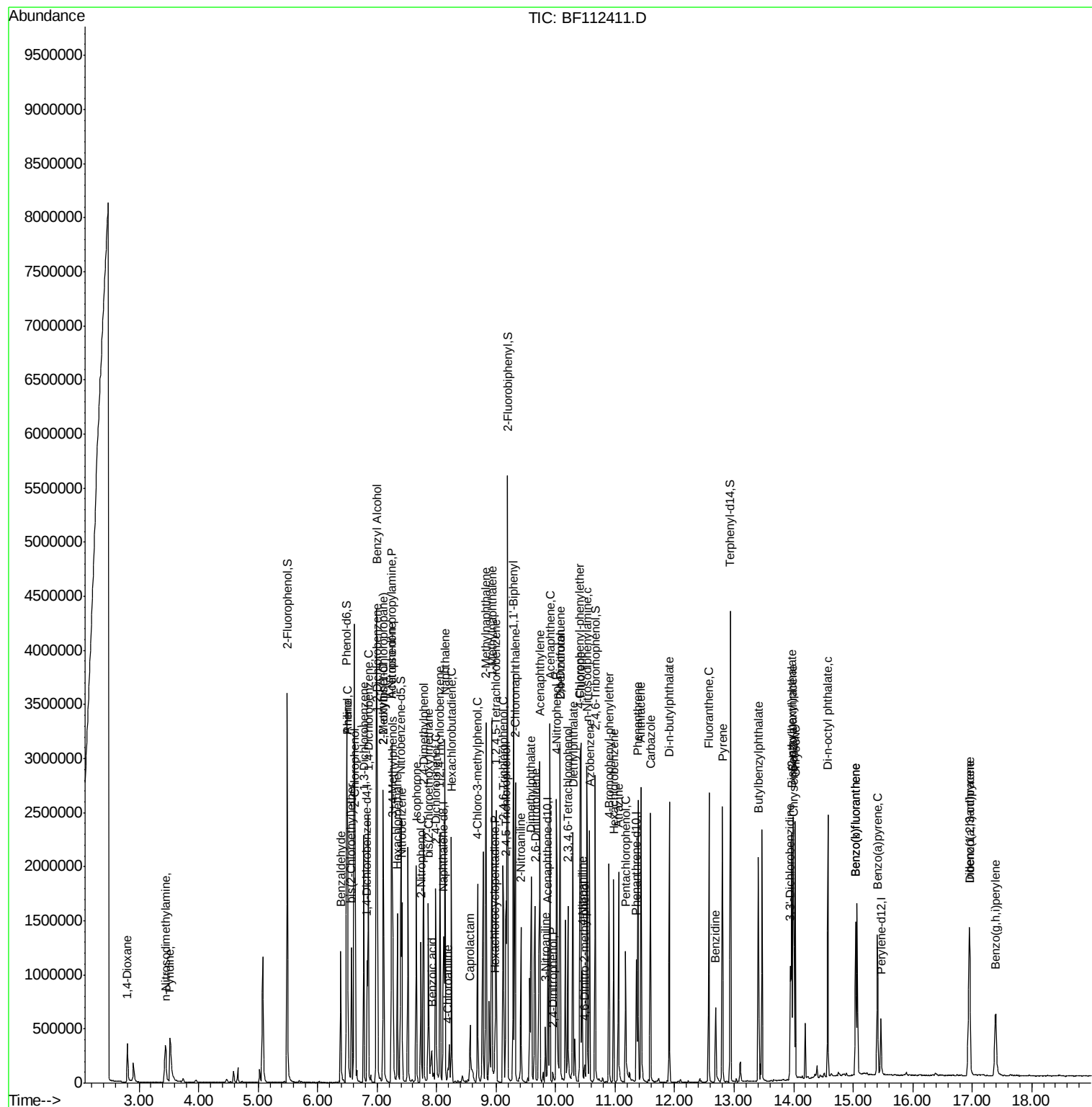
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.98	237	43465	21.351	ng	97
43) 2,4,6-Trichlorophenol	9.12	196	261197	49.671	ng	99
44) 2,4,5-Trichlorophenol	9.17	196	264877	48.195	ng	99
46) 1,1'-Biphenyl	9.29	154	1099136	48.389	ng	98
47) 2-Chloronaphthalene	9.32	162	824741	46.821	ng	97
48) 2-Nitroaniline	9.42	65	233095	48.551	ng	100
49) Acenaphthylene	9.73	152	1250561	48.438	ng	99
50) Dimethylphthalate	9.59	163	995050	49.292	ng	99
51) 2,6-Dinitrotoluene	9.66	165	205407	45.433	ng	# 82
52) Acenaphthene	9.90	154	719732	46.667	ng	99
53) 3-Nitroaniline	9.83	138	84654	17.283	ng	92
54) 2,4-Dinitrophenol	9.96	184	18460	12.723	ng	# 86
55) Dibenzofuran	10.08	168	1057158	44.855	ng	97
56) 4-Nitrophenol	10.02	139	196192	75.763	ng	88
57) 2,4-Dinitrotoluene	10.07	165	241418	41.944	ng	# 81
58) Fluorene	10.42	166	825768	46.820	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.20	232	200718	48.328	ng	95
60) Diethylphthalate	10.29	149	957228	47.782	ng	99
61) 4-Chlorophenyl-phenylether	10.41	204	417418	43.508	ng	93
62) 4-Nitroaniline	10.44	138	185136	38.535	ng	97
63) Azobenzene	10.57	77	764145	43.371	ng	99
65) 4,6-Dinitro-2-methylphenol	10.49	198	21734	9.446	ng	94
66) n-Nitrosodiphenylamine	10.53	169	740446	53.534	ng	99
67) 4-Bromophenyl-phenylether	10.90	248	245804	50.925	ng	98
68) Hexachlorobenzene	10.97	284	246134	47.530	ng	95
69) Atrazine	11.06	200	236934	53.089	ng	96
70) Pentachlorophenol	11.17	266	172691	85.703	ng	99
71) Phenanthrene	11.39	178	1063753	49.858	ng	98
72) Anthracene	11.43	178	1096727	51.604	ng	99
73) Carbazole	11.59	167	962088	45.892	ng	99
74) Di-n-butylphthalate	11.91	149	1316040	50.575	ng	99
75) Fluoranthene	12.57	202	1022273	44.673	ng	98
77) Benzidine	12.69	184	315847	38.743	ng	# 94
78) Pyrene	12.80	202	1016484	49.567	ng	99
80) Butylbenzylphthalate	13.41	149	483896	48.771	ng	98
81) Benzo(a)anthracene	13.99	228	869809	49.954	ng	99
82) 3,3'-Dichlorobenzidine	13.94	252	218984	33.605	ng	99
83) Chrysene	14.03	228	818918	49.271	ng	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	685332	48.661	ng	99
85) Di-n-octyl phthalate	14.57	149	1090713	50.337	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	639569	48.562	ng	97
88) Benzo(b)fluoranthene	15.04	252	725386	52.208	ng	98
89) Benzo(k)fluoranthene	15.04	252	725386	54.506	ng	98
90) Benzo(a)pyrene	15.41	252	647792	51.816	ng	99
91) Dibenzo(a,h)anthracene	16.96	278	541391	53.732	ng	99
92) Benzo(g,h,i)perylene	17.40	276	517584	54.449	ng	97

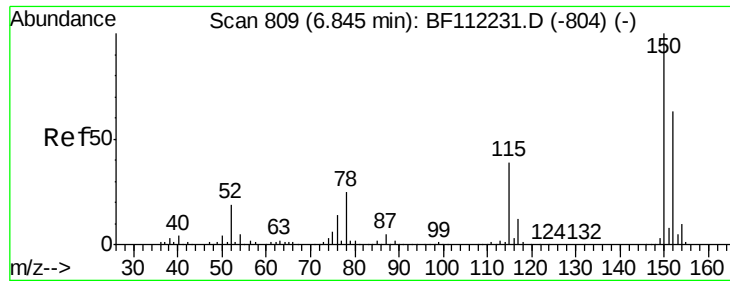
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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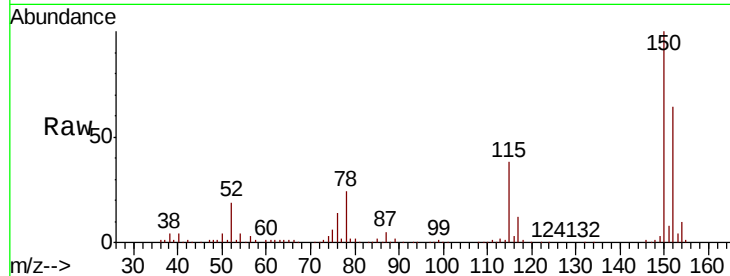


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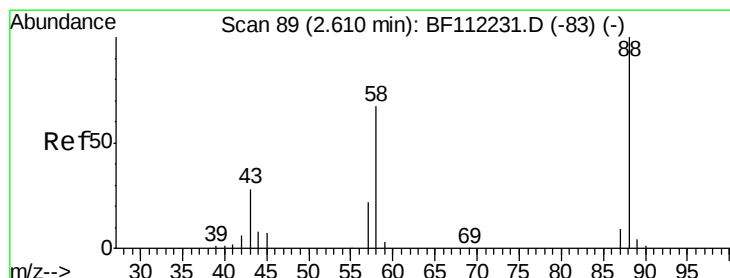
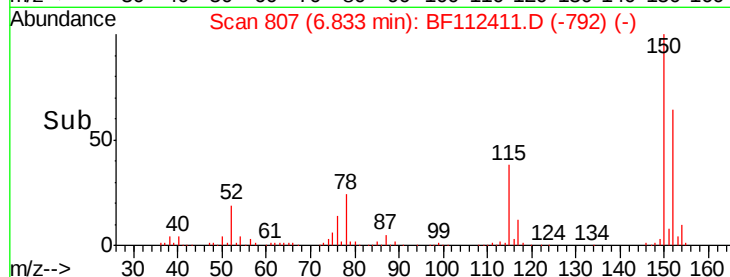
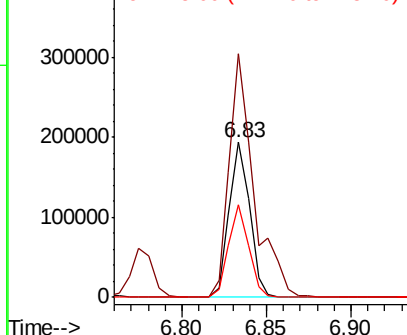
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

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BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tgt Ion:152 Resp: 164551
Ion Ratio Lower Upper
152 100
150 157.0 127.4 191.0
115 59.6 45.5 68.3



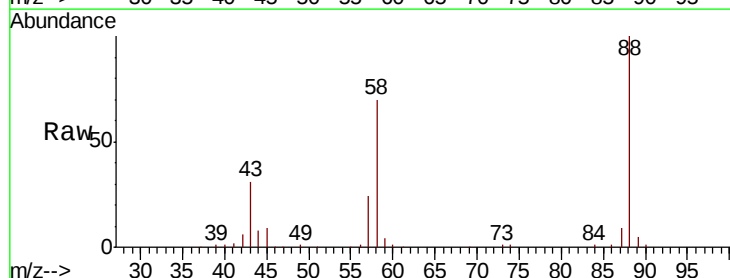
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



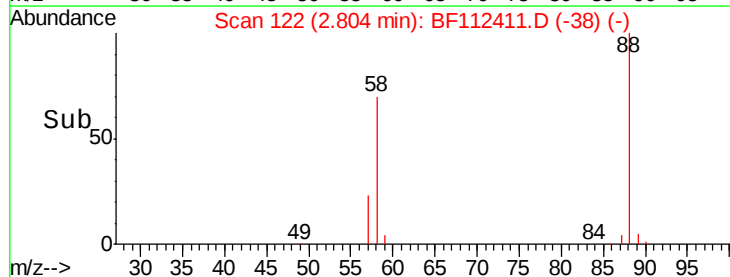
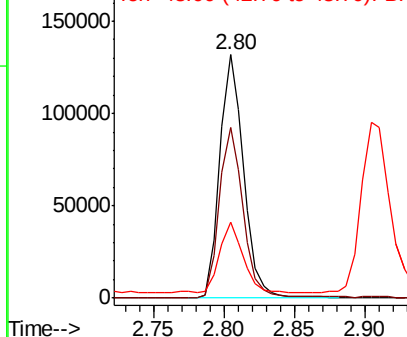
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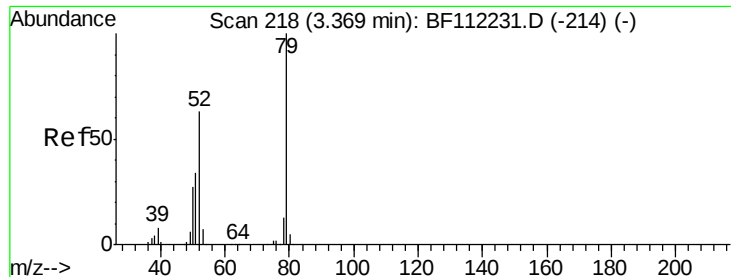
1,4-Dioxane
Concen: 50.364 ng
RT: 2.80 min Scan# 122
Delta R.T. 0.19 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion: 88 Resp: 155428
Ion Ratio Lower Upper
88 100
58 70.1 57.4 86.2
43 0.0 22.2 33.4#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 44.332 ng

RT: 3.52 min Scan# 243

Delta R.T. 0.15 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

ClientSampleId :

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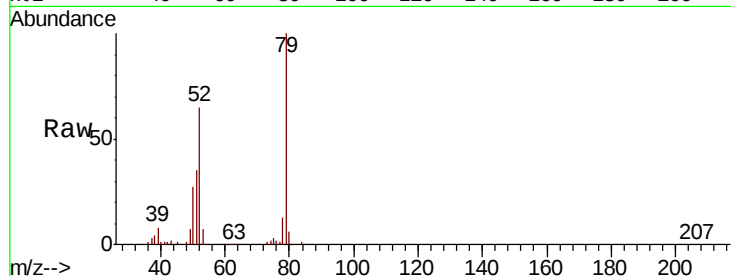
Tgt Ion: 79 Resp: 348012

Ion Ratio Lower Upper

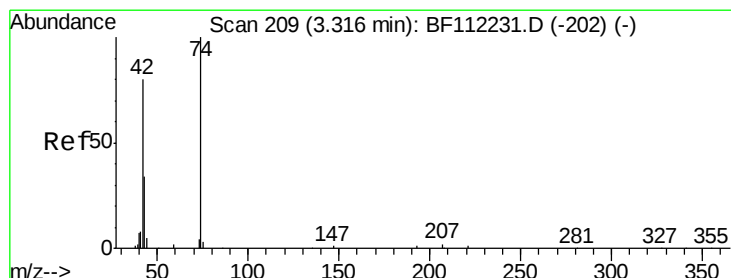
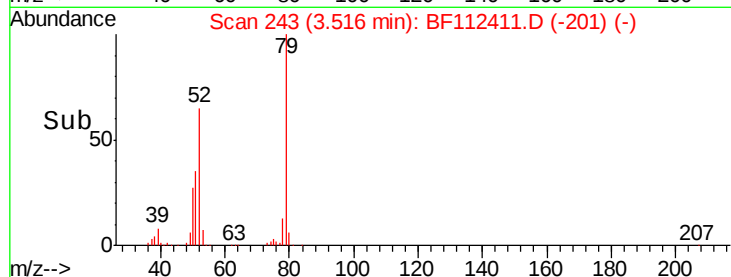
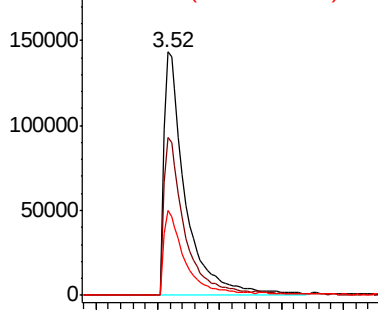
79 100

52 64.7 52.4 78.6

51 35.1 26.1 39.1



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 62.992 ng

RT: 3.45 min Scan# 231

Delta R.T. 0.13 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

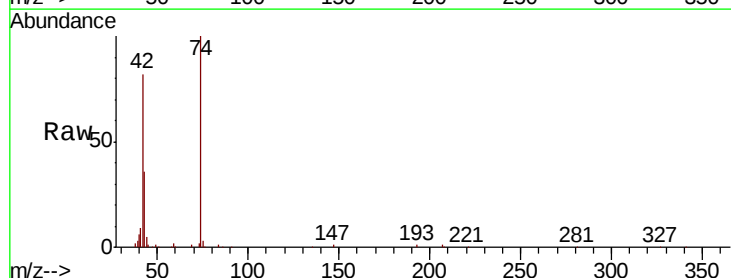
Tgt Ion: 42 Resp: 207758

Ion Ratio Lower Upper

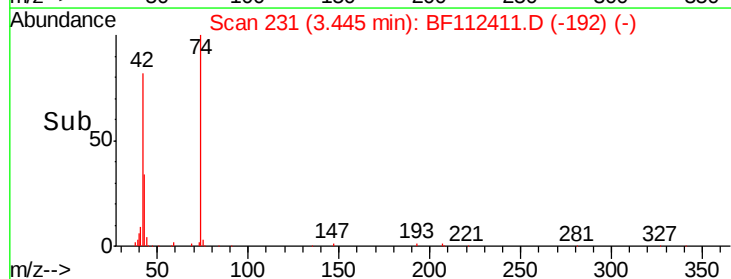
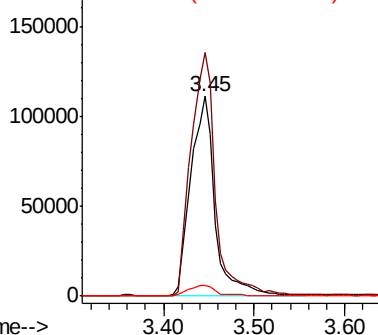
42 100

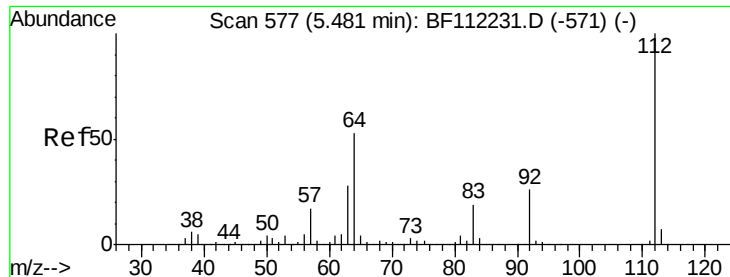
74 121.8 105.6 158.4

44 5.6 5.4 8.2



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 144.331 ng

RT: 5.49 min Scan# 579

Delta R.T. 0.01 min

Lab File: BF112411.D

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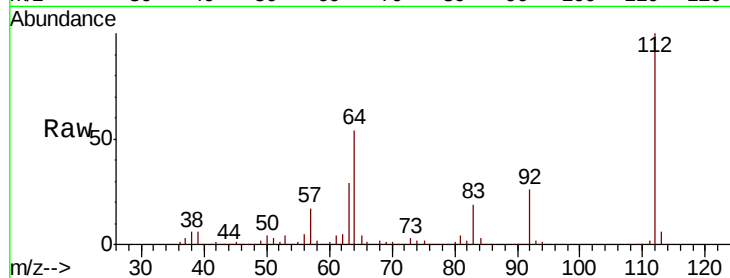
Tgt Ion: 112 Resp: 1118131

Ion Ratio Lower Upper

112 100

64 54.5 45.7 68.5

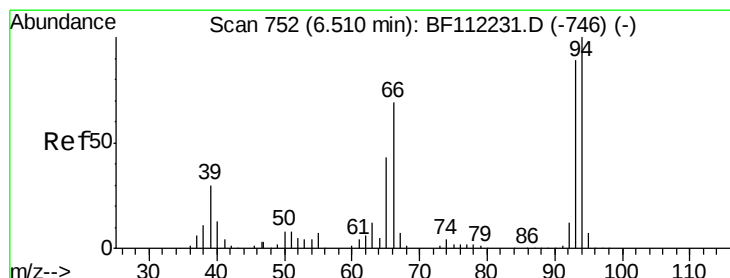
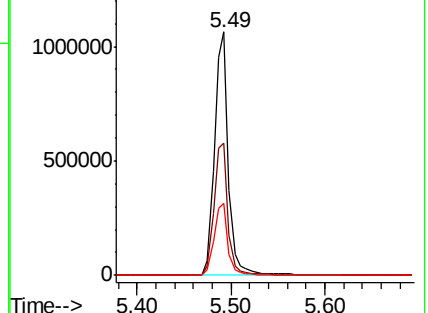
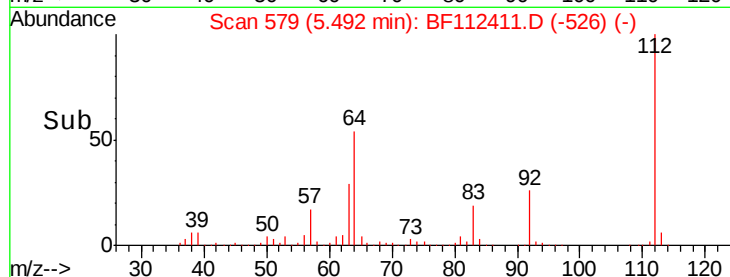
63 29.4 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 8.406 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

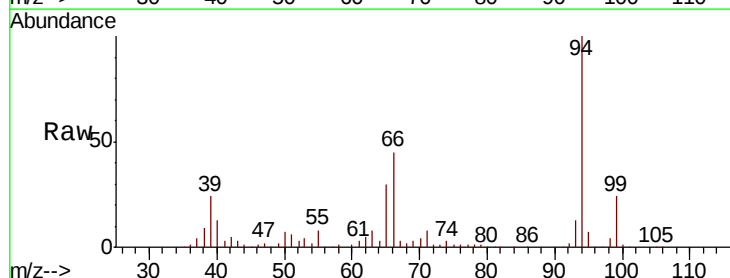
Tgt Ion: 93 Resp: 107646

Ion Ratio Lower Upper

93 100

66 334.0 43.4 65.2#

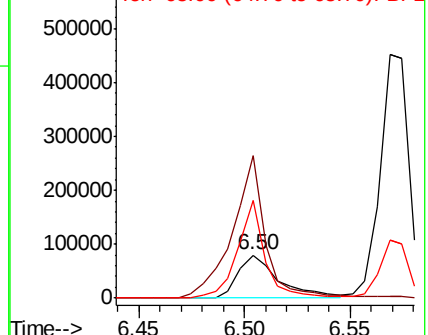
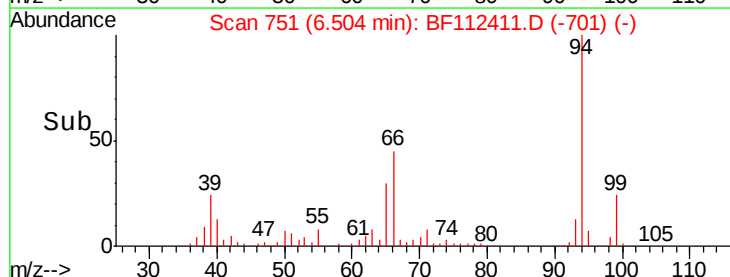
65 228.3 25.3 37.9#

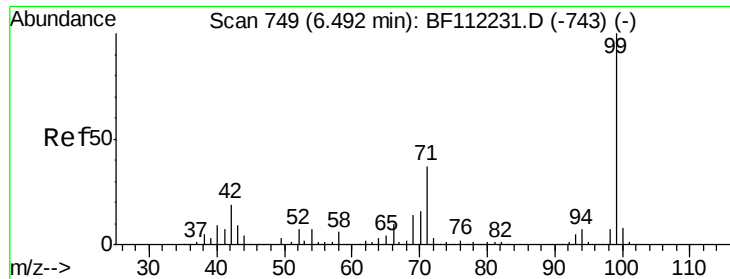


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 122.067 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

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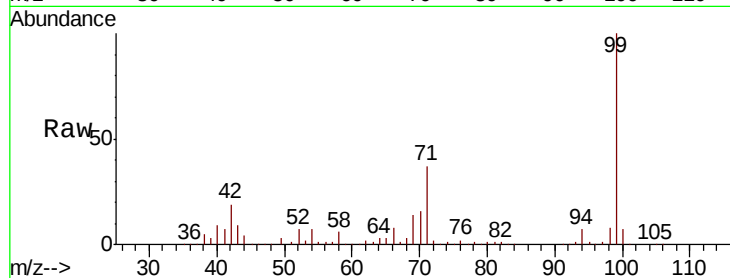
Tgt Ion: 99 Resp: 1314030

Ion Ratio Lower Upper

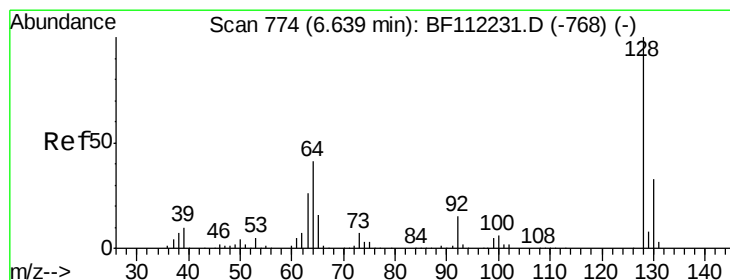
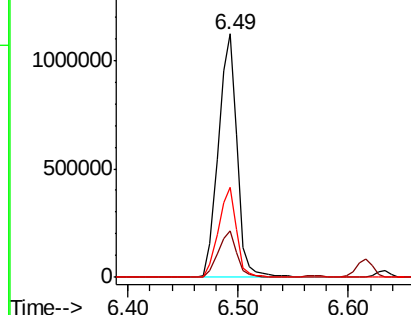
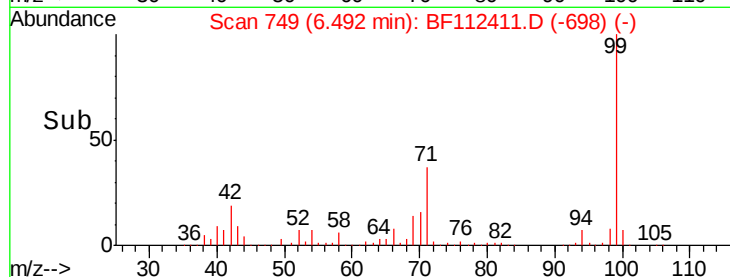
99 100

42 18.9 15.1 22.7

71 37.0 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 45.843 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

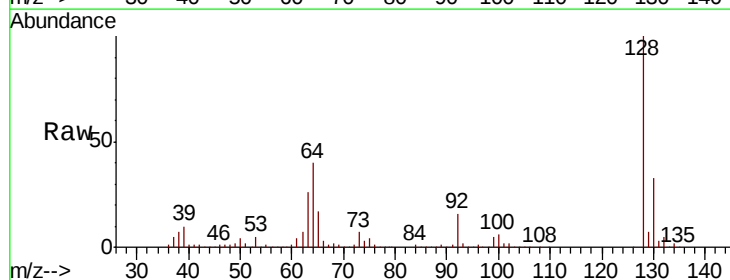
Tgt Ion: 128 Resp: 477759

Ion Ratio Lower Upper

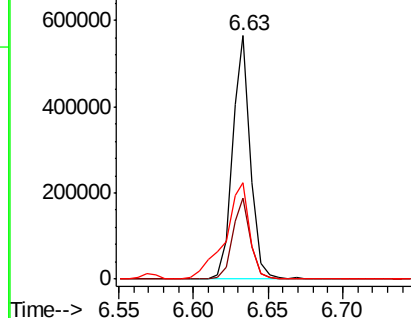
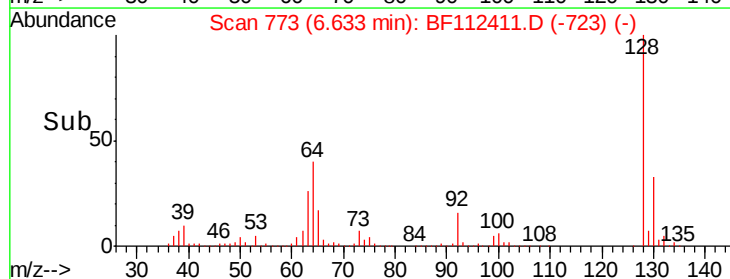
128 100

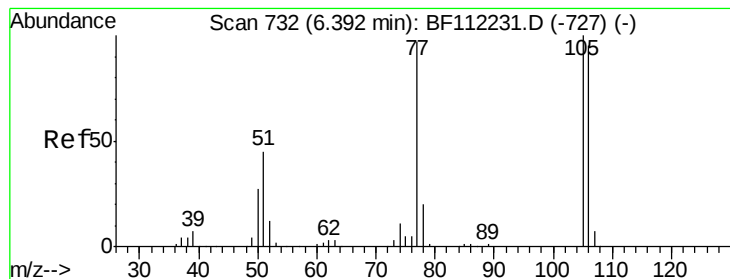
130 33.2 13.4 53.4

64 39.9 20.5 60.5



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 44.331 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

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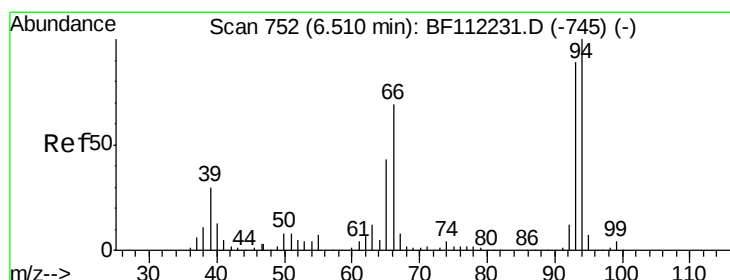
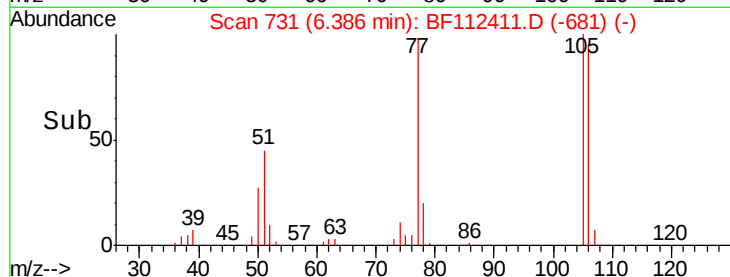
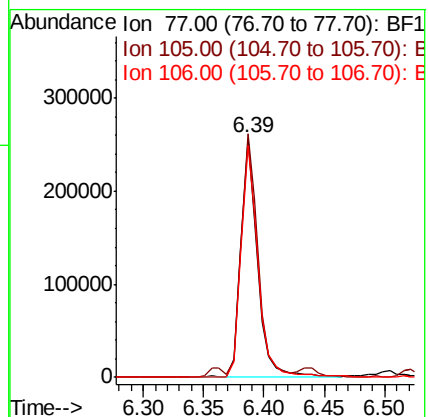
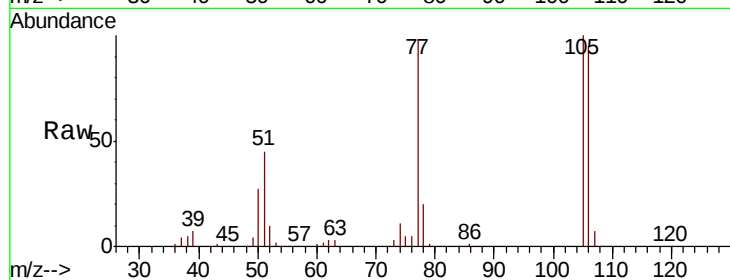
Tgt Ion: 77 Resp: 249431

Ion Ratio Lower Upper

77 100

105 101.9 80.8 120.8

106 97.0 75.7 115.7



#10

Phenol

Concen: 39.774 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

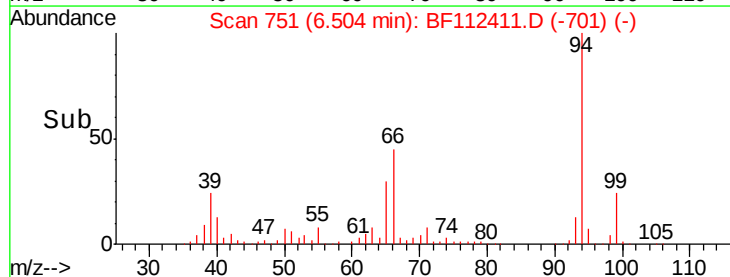
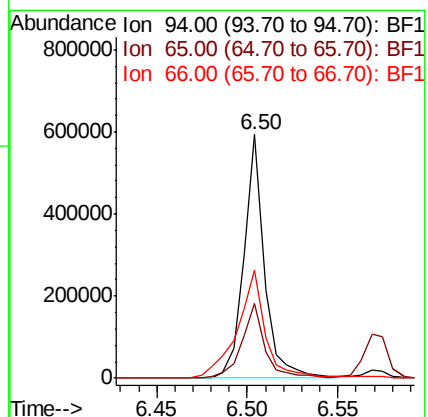
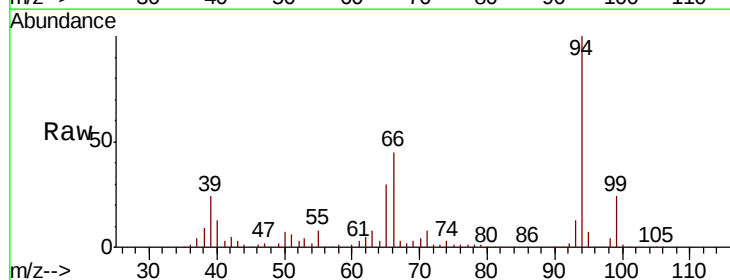
Tgt Ion: 94 Resp: 469743

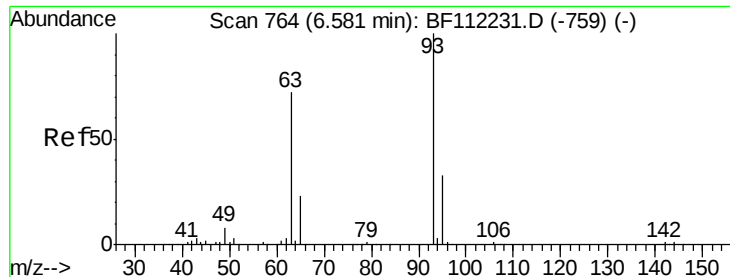
Ion Ratio Lower Upper

94 100

65 30.4 20.3 60.3

66 44.5 42.4 82.4

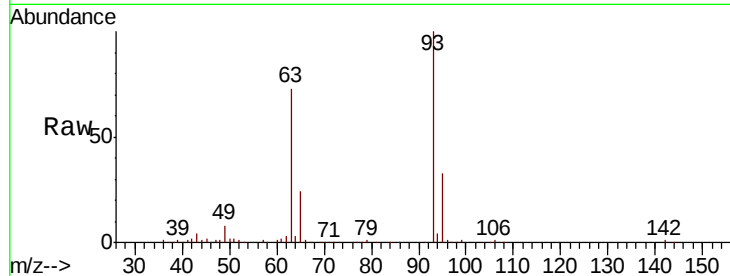




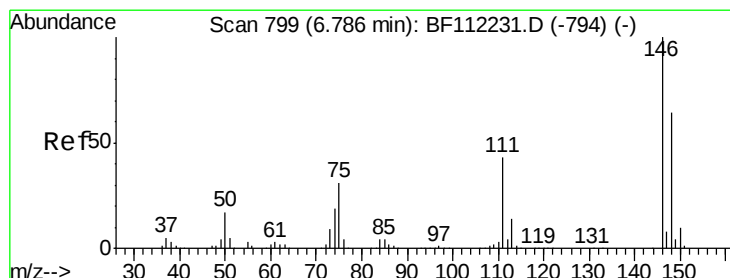
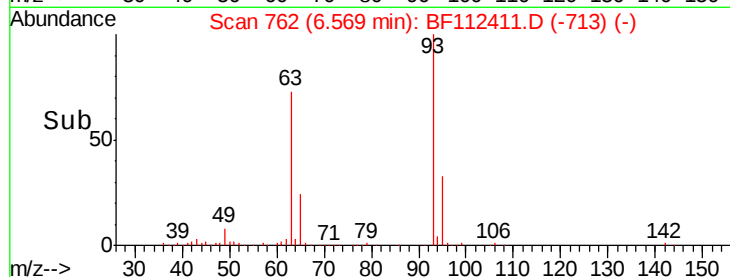
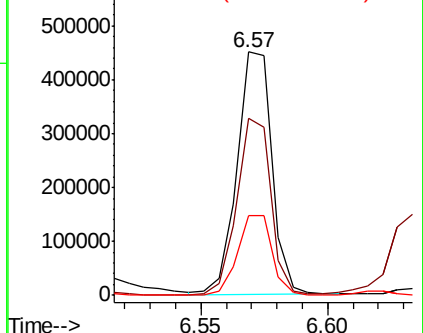
#11
bis(2-Chloroethyl)ether
Concen: 46.189 ng
RT: 6.57 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tgt Ion: 93 Resp: 429470
Ion Ratio Lower Upper
93 100
63 72.8 53.3 93.3
95 32.5 13.4 53.4

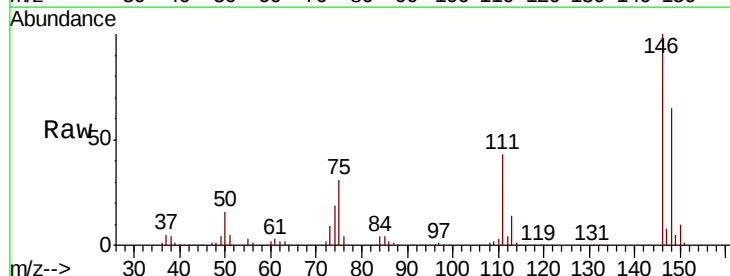


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

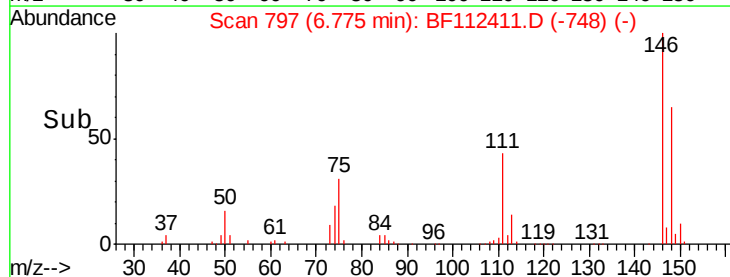
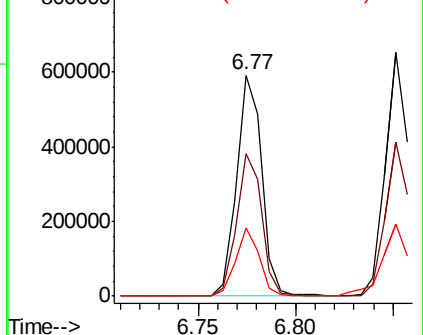


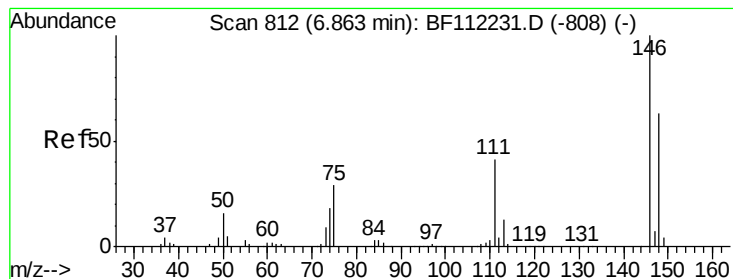
#12
1,3-Dichlorobenzene
Concen: 43.513 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion: 146 Resp: 528118
Ion Ratio Lower Upper
146 100
148 64.6 51.8 77.8
75 31.0 23.1 34.7



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 43.743 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-AMSD

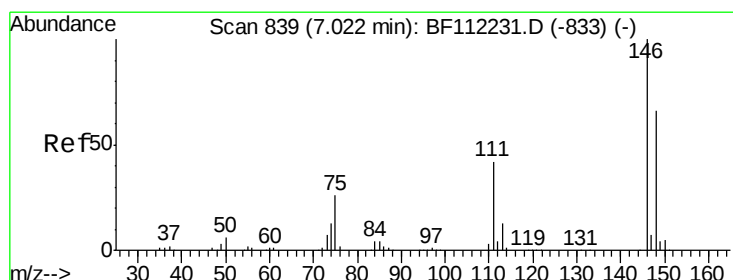
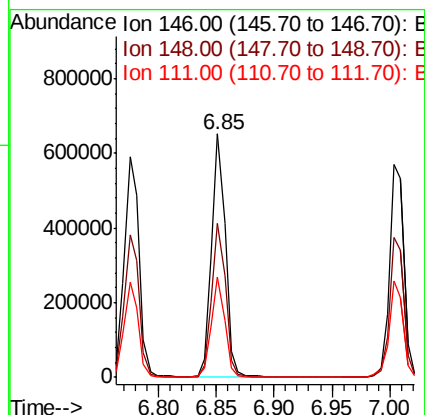
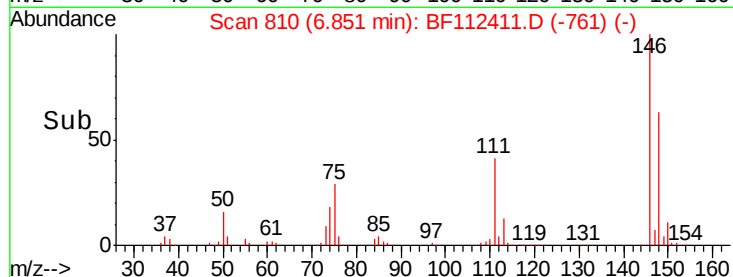
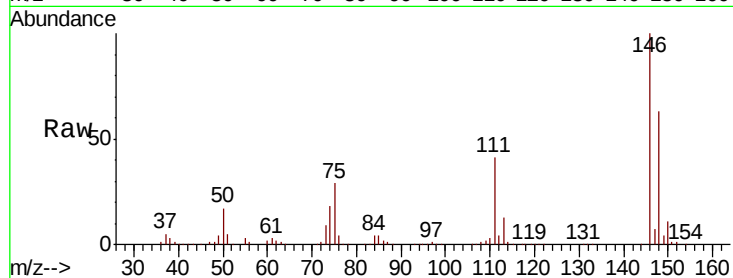
Tgt Ion:146 Resp: 546402

Ion Ratio Lower Upper

146 100

148 63.3 52.0 78.0

111 41.4 31.2 46.8



#14

1,2-Dichlorobenzene

Concen: 42.709 ng

RT: 7.00 min Scan# 836

Delta R.T. -0.02 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

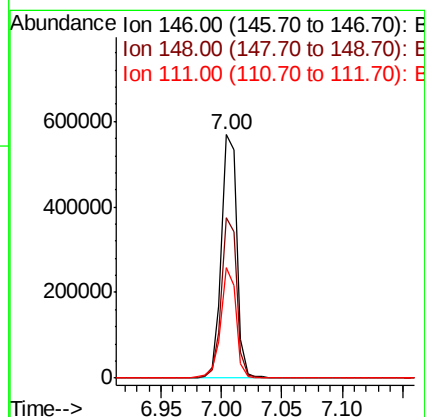
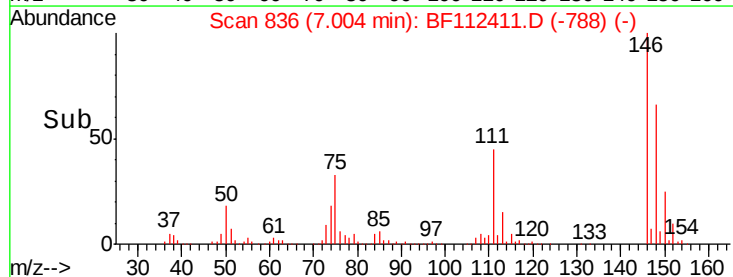
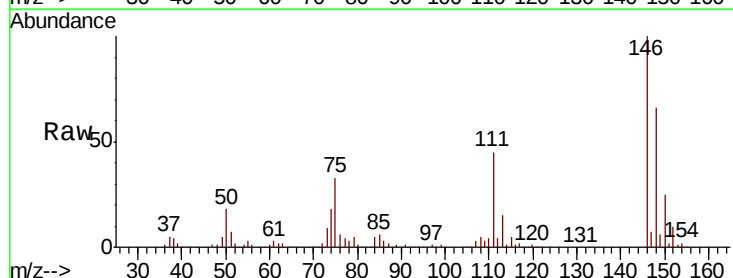
Tgt Ion:146 Resp: 499483

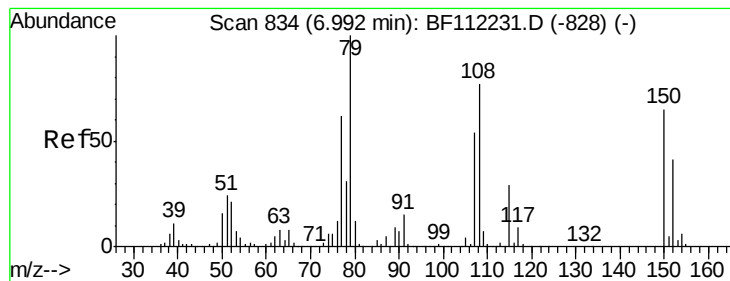
Ion Ratio Lower Upper

146 100

148 66.0 52.2 78.4

111 45.2 31.2 46.8





#15

Benzyl Alcohol

Concen: 42.680 ng

RT: 6.99 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-AMSD

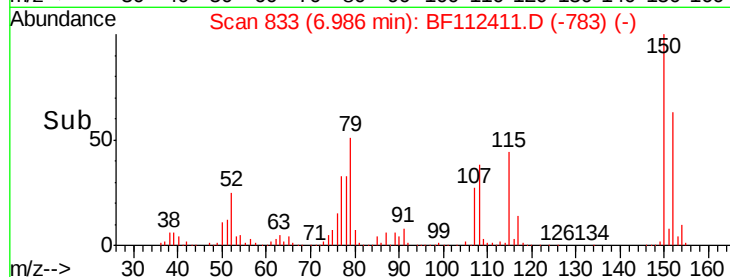
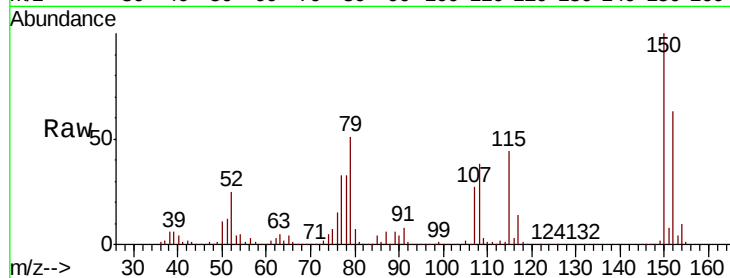
Tgt Ion: 79 Resp: 387302

Ion Ratio Lower Upper

79 100

108 75.0 64.2 96.2

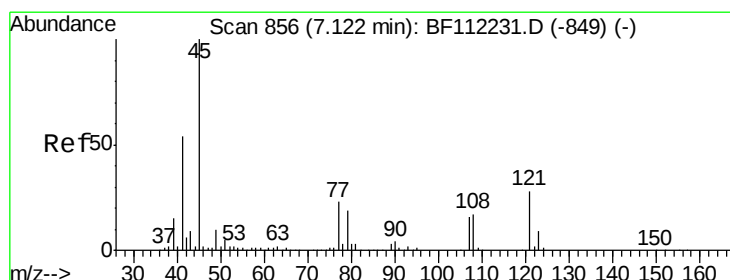
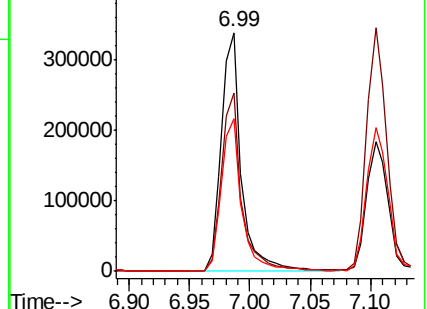
77 64.0 50.3 75.5



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.907 ng

RT: 7.11 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

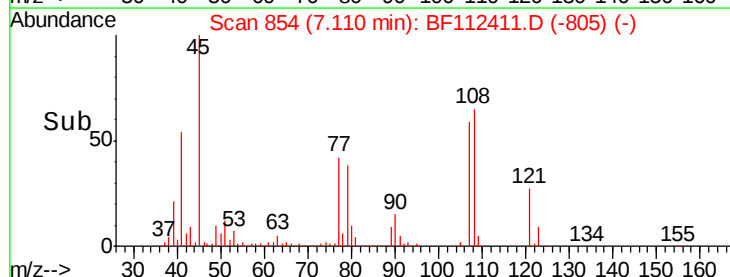
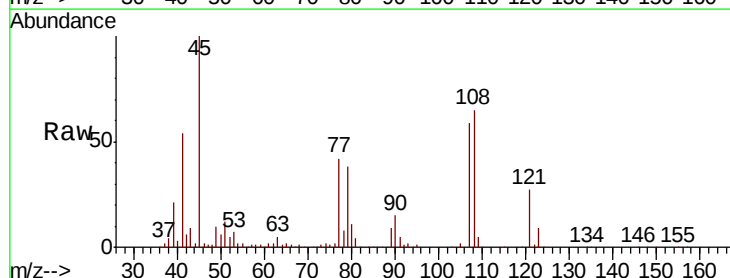
Tgt Ion: 45 Resp: 524178

Ion Ratio Lower Upper

45 100

77 41.7 0.0 36.9#

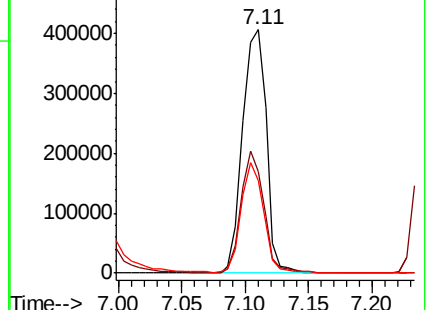
79 38.1 0.0 34.0#

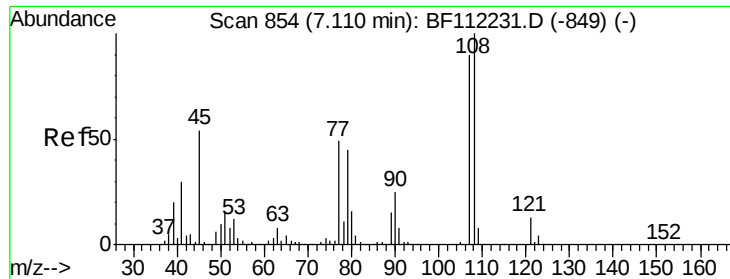


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

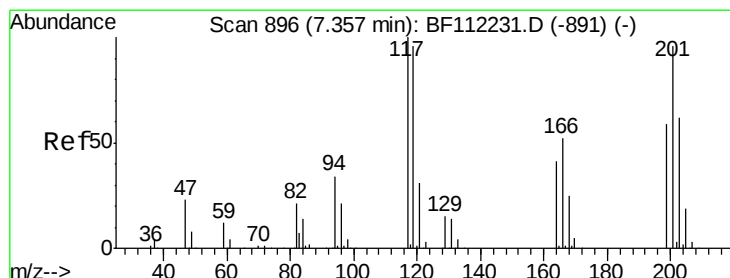
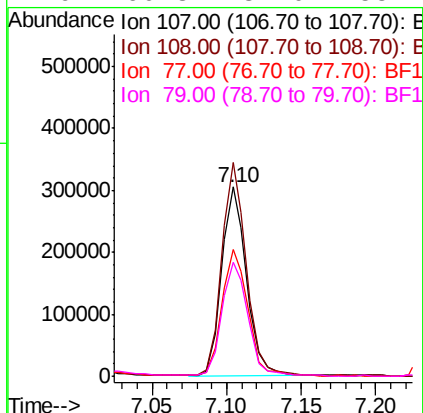
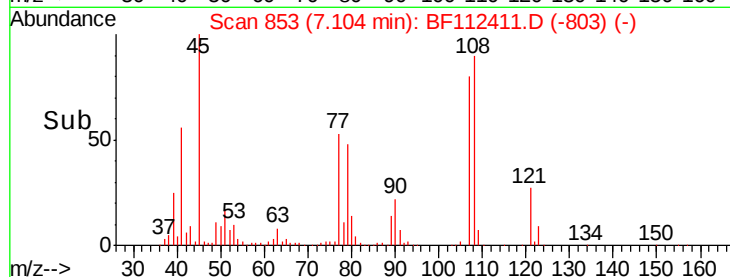
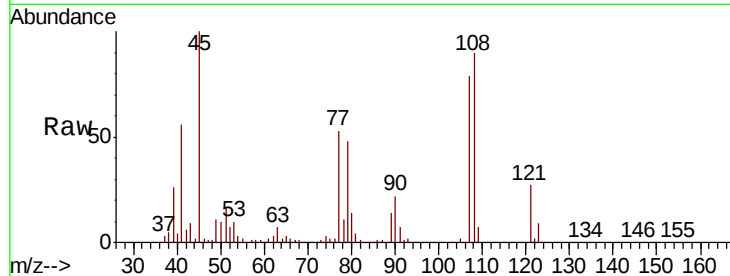




#17
2-Methylphenol
Concen: 43.338 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

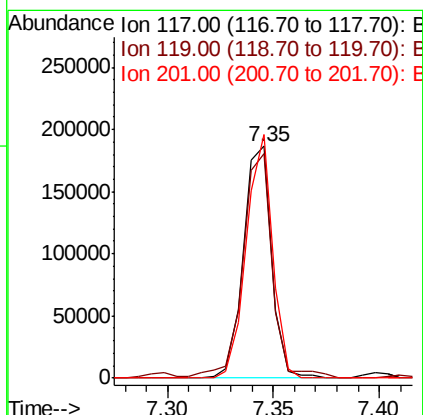
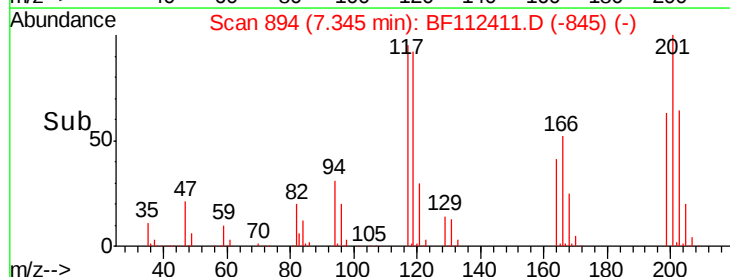
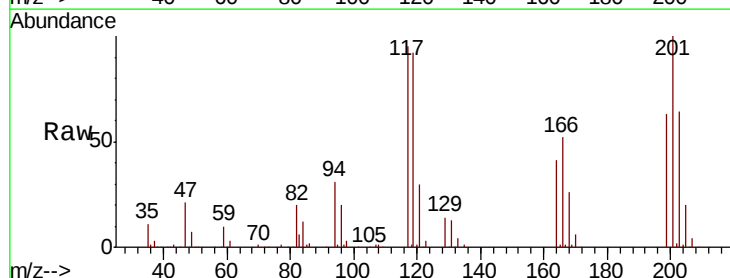
Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

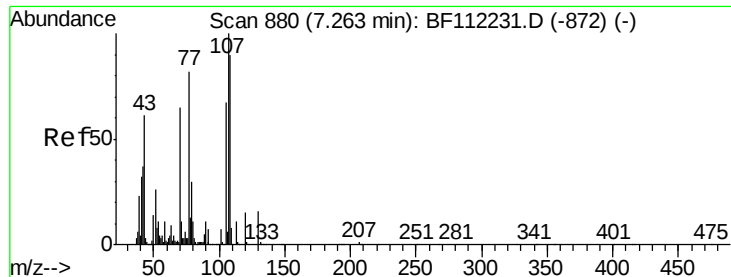
Tgt Ion:107 Resp: 358036
Ion Ratio Lower Upper
107 100
108 112.8 91.3 136.9
77 66.7 39.0 58.6#
79 60.3 37.0 55.4#



#18
Hexachloroethane
Concen: 39.475 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion:117 Resp: 173150
Ion Ratio Lower Upper
117 100
119 96.6 77.0 115.4
201 105.1 74.1 111.1

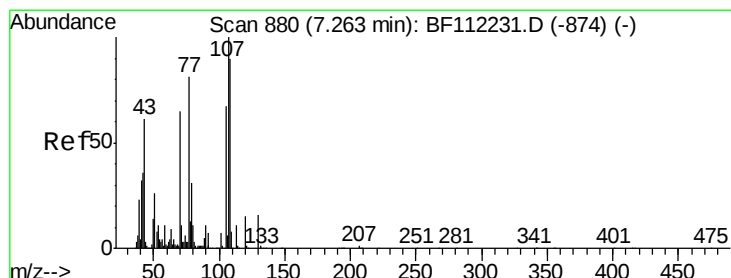
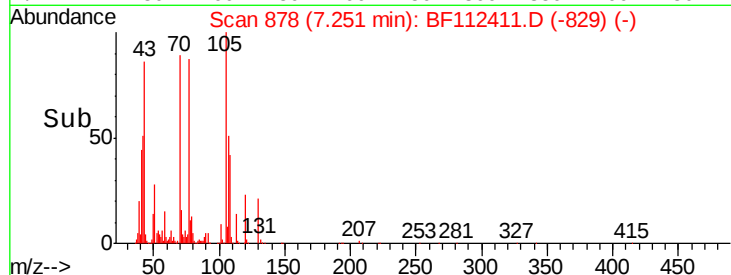
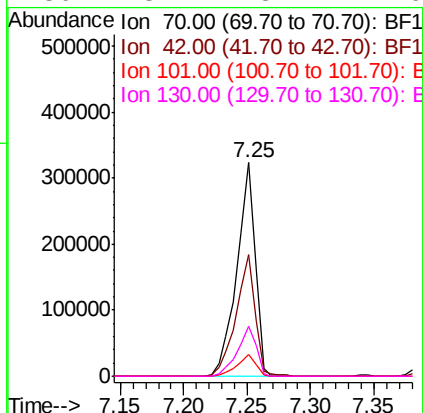
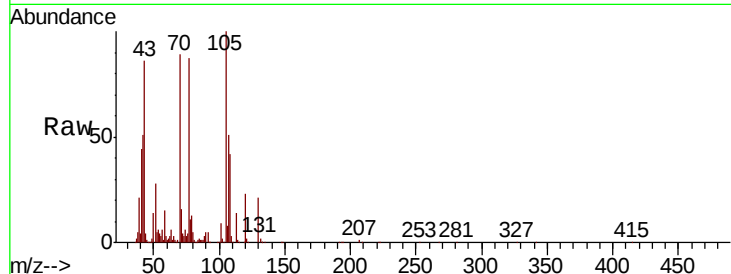




#19
n-Nitroso-di-n-propylamine
Concen: 43.651 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

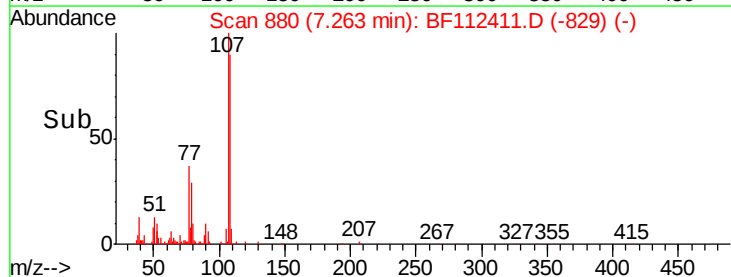
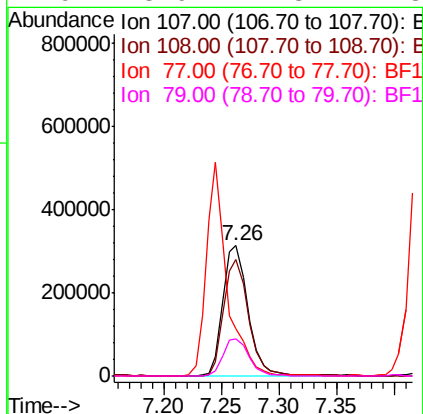
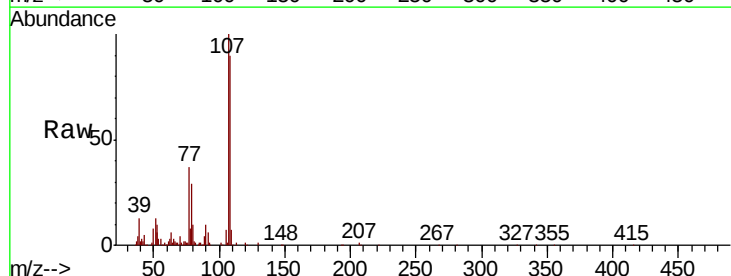
Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

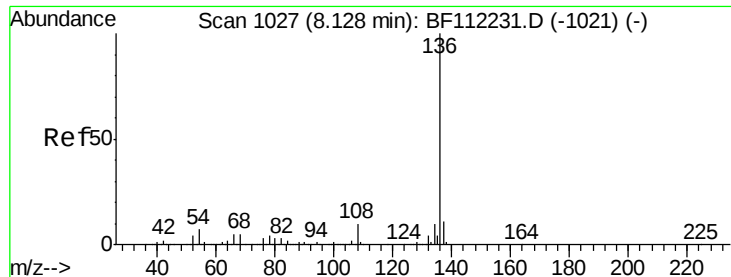
Tgt Ion:	70	Resp:	324016
Ion	Ratio	Lower	Upper
70	100		
42	57.0	47.6	71.4
101	10.0	7.9	11.9
130	23.1	18.4	27.6



#20
3+4-Methylphenols
Concen: 44.727 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.00 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion:	107	Resp:	472516
Ion	Ratio	Lower	Upper
107	100		
108	89.7	68.2	108.2
77	36.6	100.7	140.7#
79	28.9	7.3	47.3

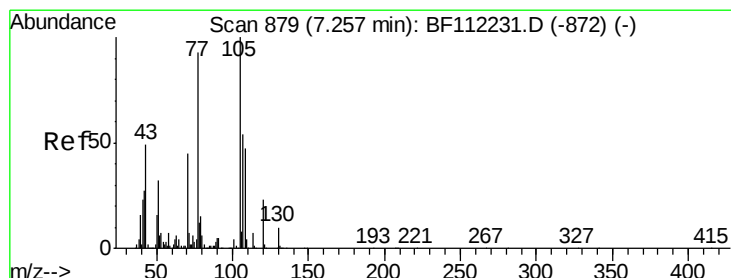
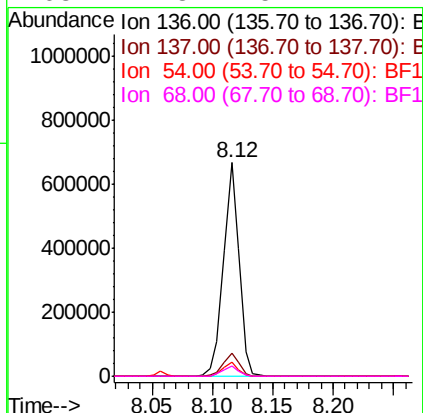
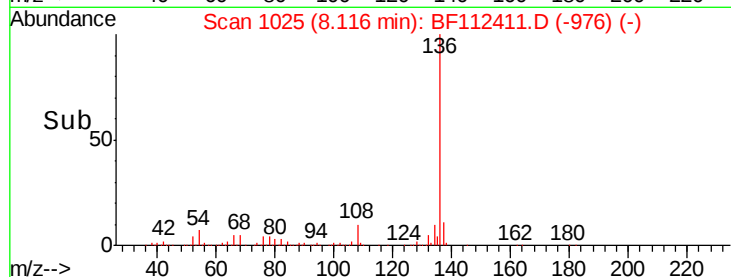
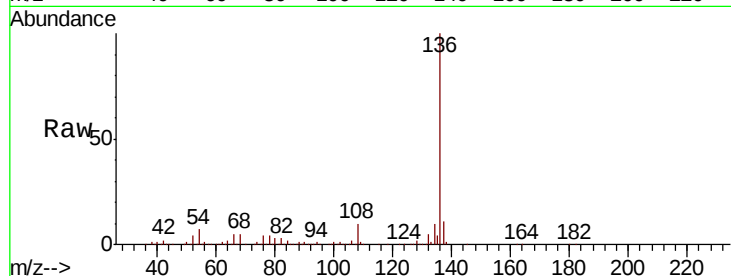




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

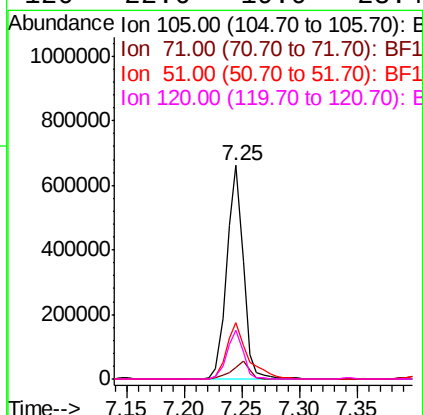
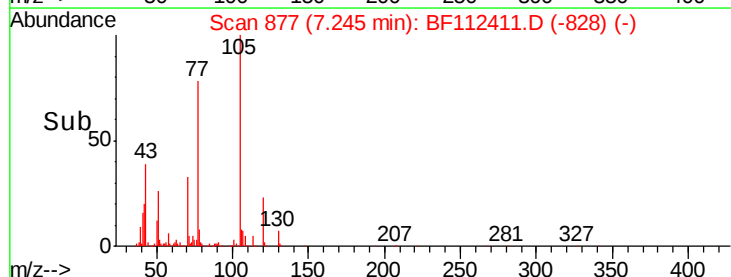
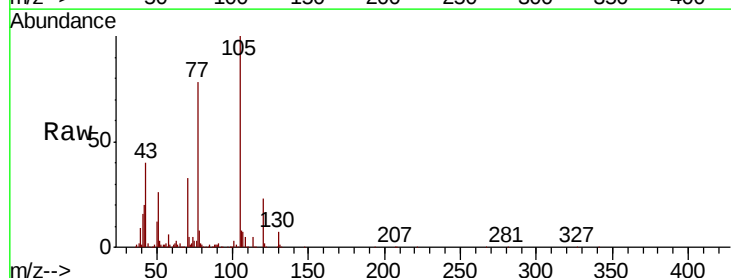
Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

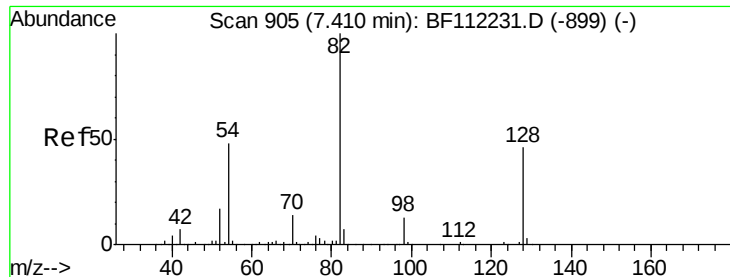
Tgt Ion:	136	Resp:	598482
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	6.6	5.9	8.9
68	4.8	5.1	7.7#



#22
Acetophenone
Concen: 45.058 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion:	105	Resp:	656640
Ion	Ratio	Lower	Upper
105	100		
71	5.4	4.6	6.8
51	26.3	25.0	37.6
120	22.6	19.0	28.4

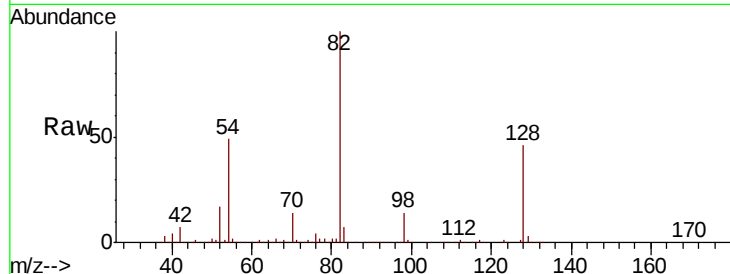




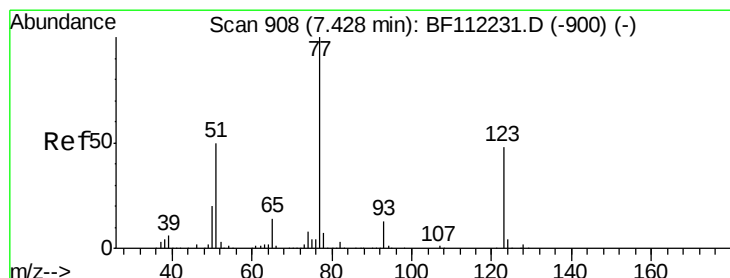
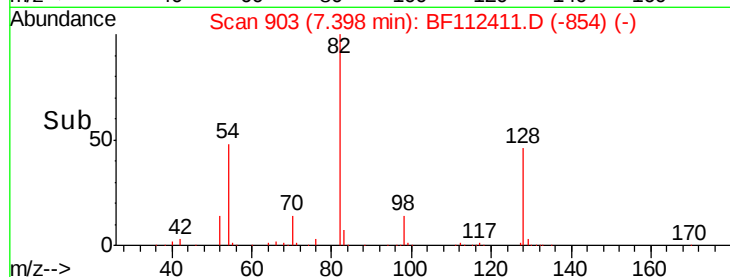
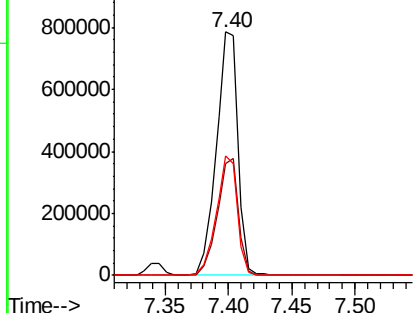
#23
 Nitrobenzene-d5
 Concen: 90.283 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-AMSD

Tgt Ion: 82 Resp: 937747
 Ion Ratio Lower Upper
 82 100
 128 46.0 37.8 56.8
 54 48.9 39.7 59.5

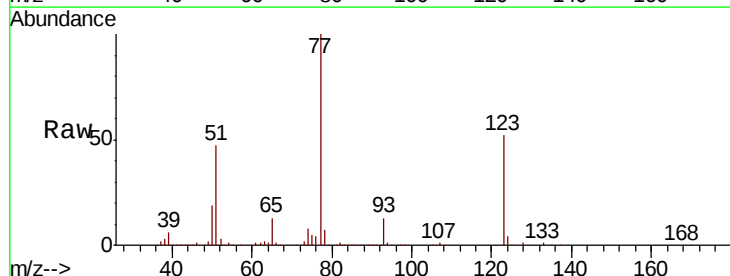


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

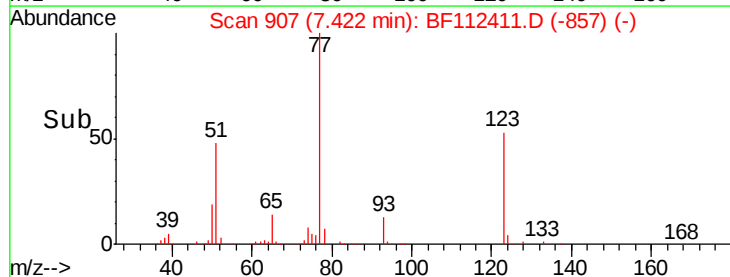
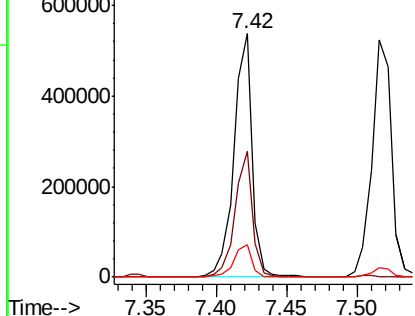


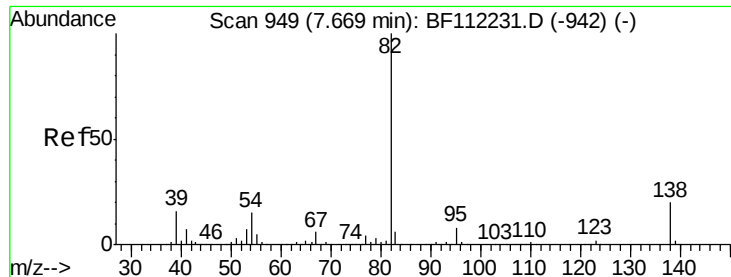
#24
 Nitrobenzene
 Concen: 46.367 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Tgt Ion: 77 Resp: 480978
 Ion Ratio Lower Upper
 77 100
 123 51.9 38.4 57.6
 65 13.4 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 51.636 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-AMSD

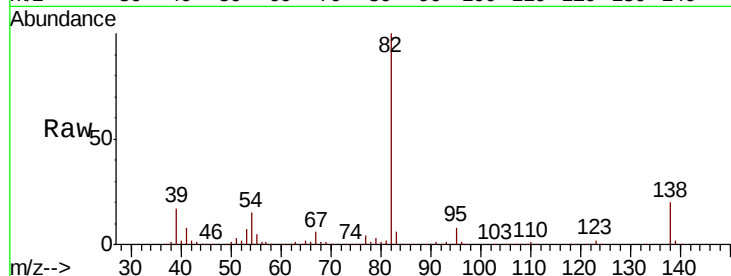
Tgt Ion: 82 Resp: 841382

Ion Ratio Lower Upper

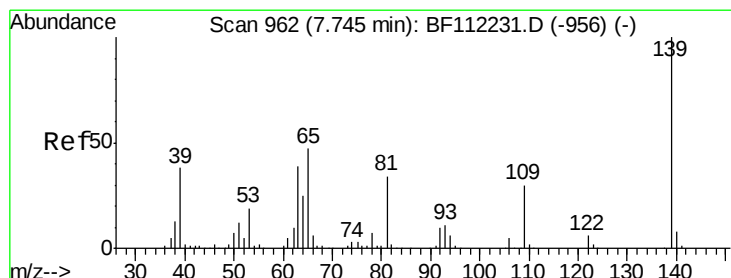
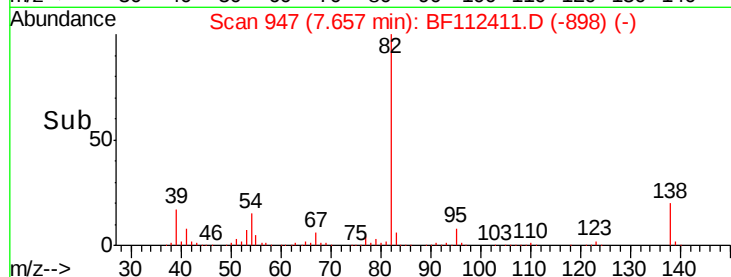
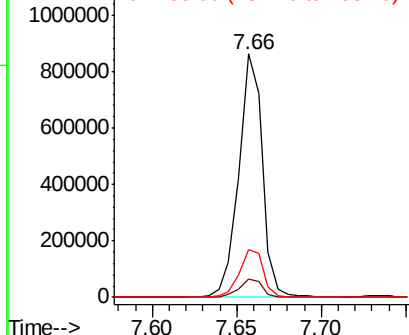
82 100

95 7.8 5.7 8.5

138 19.6 15.4 23.0



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 43.095 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

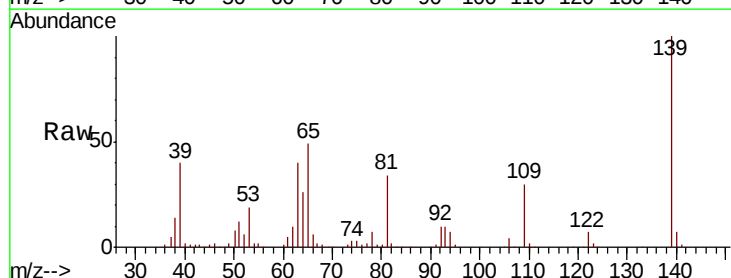
Tgt Ion: 139 Resp: 238905

Ion Ratio Lower Upper

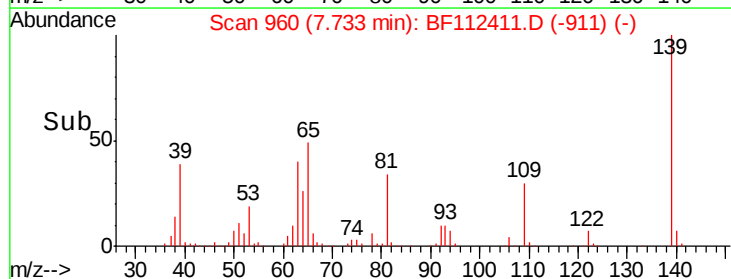
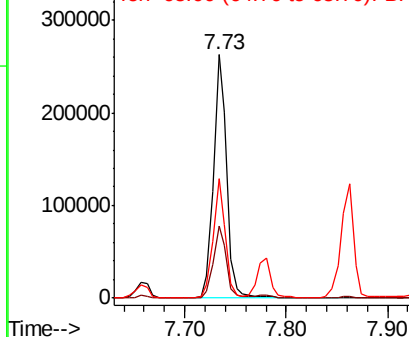
139 100

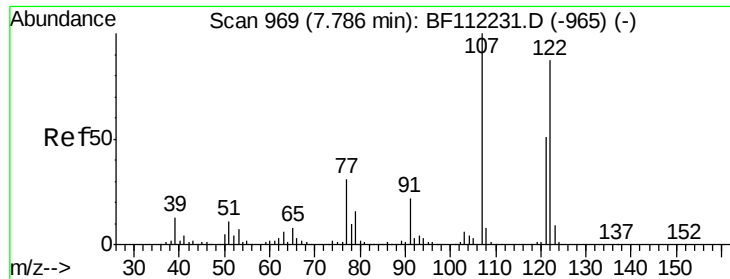
109 29.8 20.8 31.2

65 49.0 34.4 51.6



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

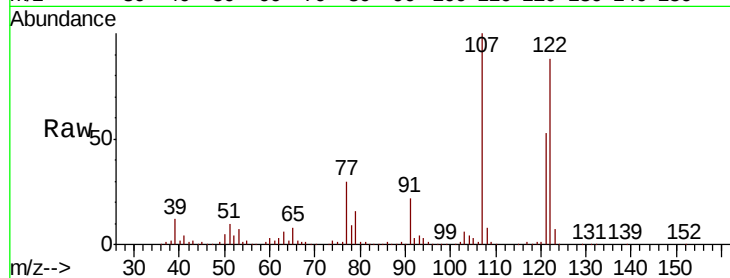




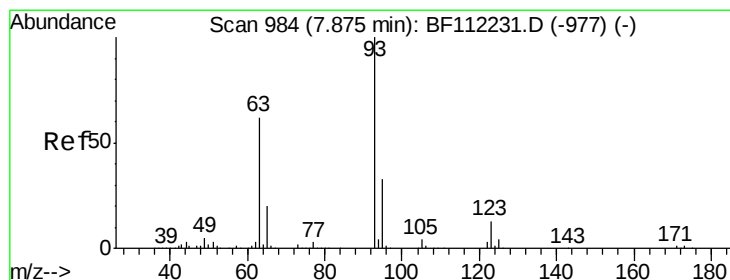
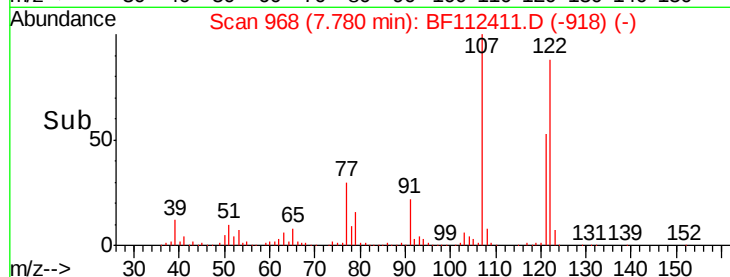
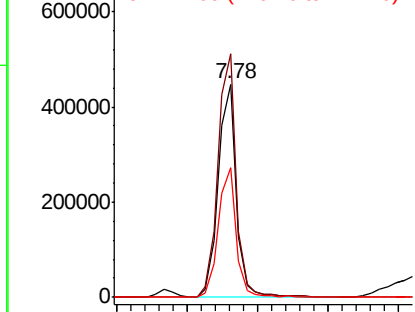
#27
2,4-Dimethylphenol
Concen: 52.374 ng
RT: 7.78 min Scan# 968
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tgt Ion:122 Resp: 400027
Ion Ratio Lower Upper
122 100
107 114.2 85.4 128.0
121 60.6 47.0 70.4

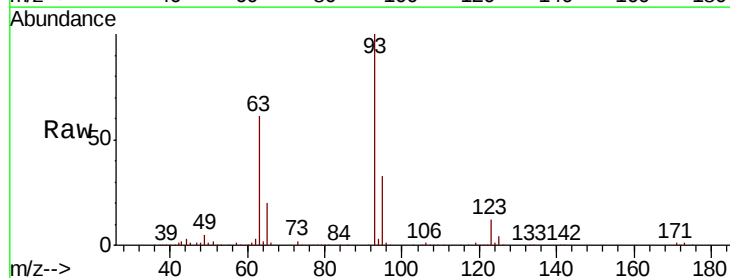


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

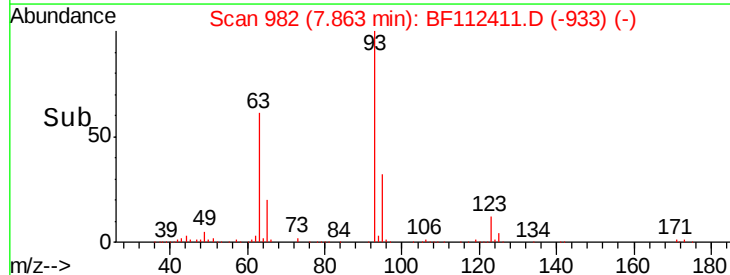
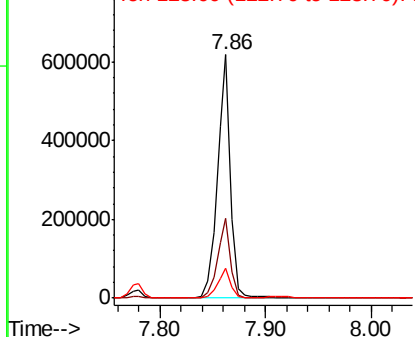


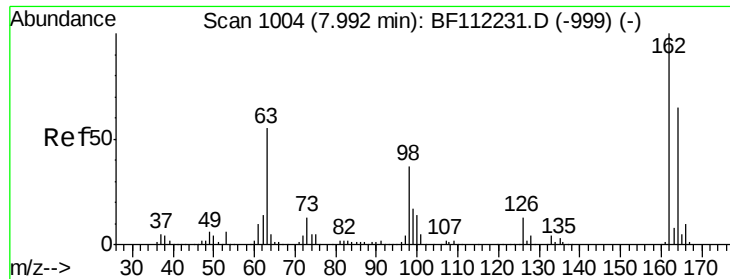
#28
bis(2-Chloroethoxy)methane
Concen: 48.624 ng
RT: 7.86 min Scan# 982
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion: 93 Resp: 539493
Ion Ratio Lower Upper
93 100
95 32.6 26.8 40.2
123 12.1 10.2 15.2



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E

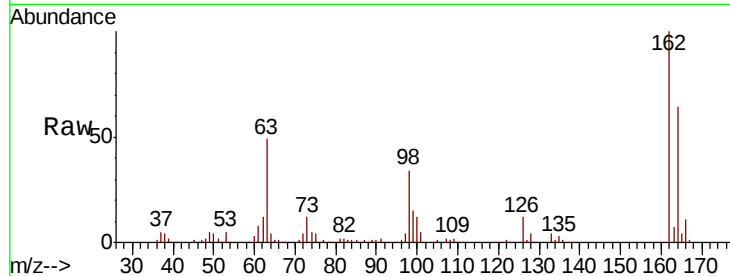




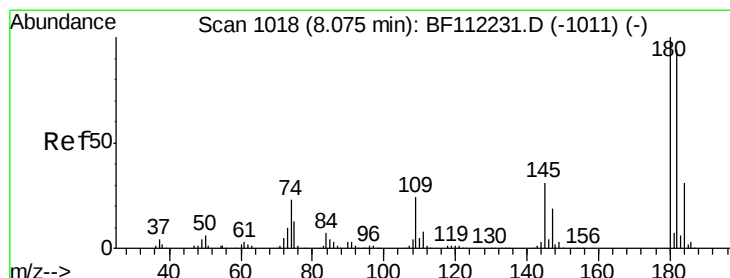
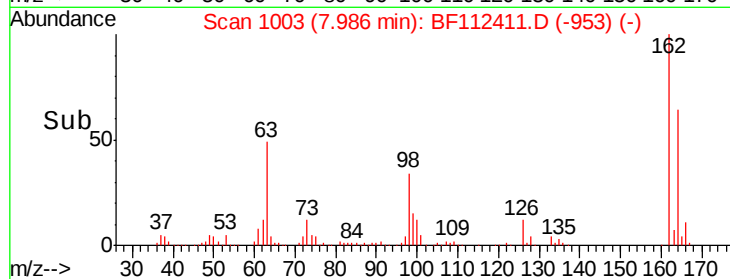
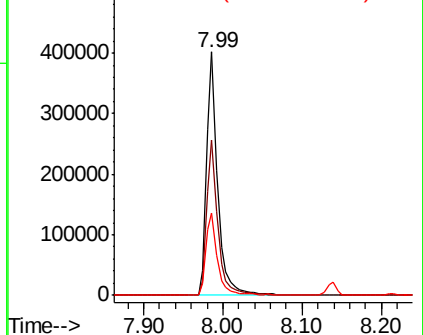
#29
 2,4-Dichlorophenol
 Concen: 46.388 ng
 RT: 7.99 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-AMSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.7	44.6	84.6
98	33.9	14.6	54.6

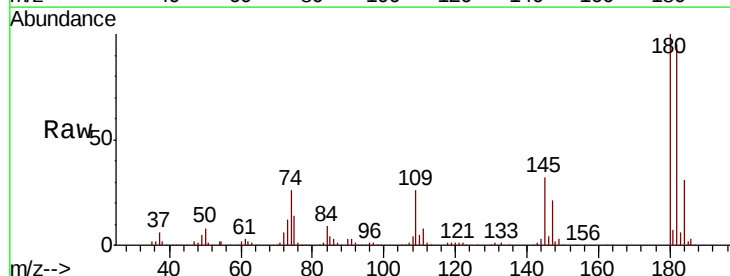


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

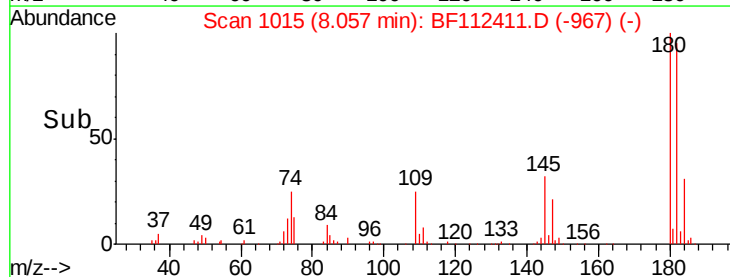
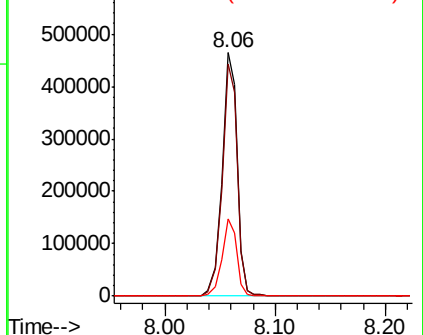


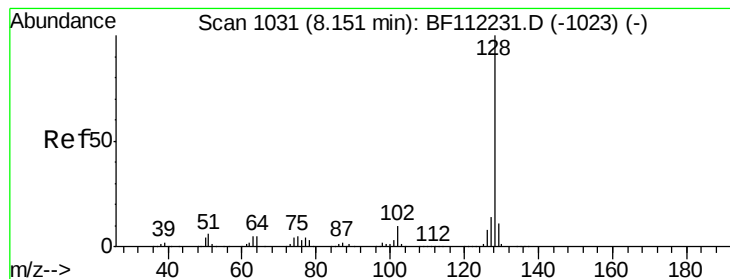
#30
 1,2,4-Trichlorobenzene
 Concen: 45.223 ng
 RT: 8.06 min Scan# 1015
 Delta R.T. -0.02 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
145	31.7	25.0	37.4



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 48.460 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-AMSD

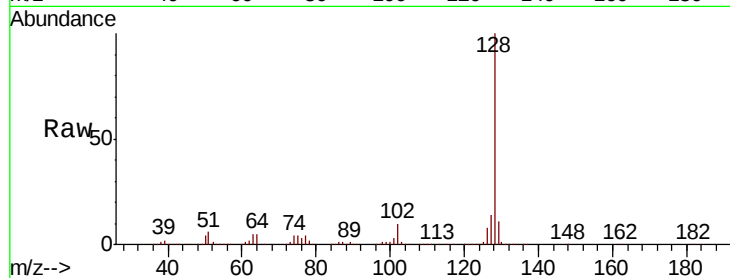
Tgt Ion:128 Resp: 1356270

Ion Ratio Lower Upper

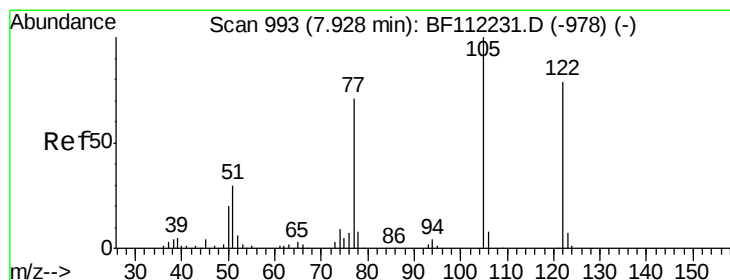
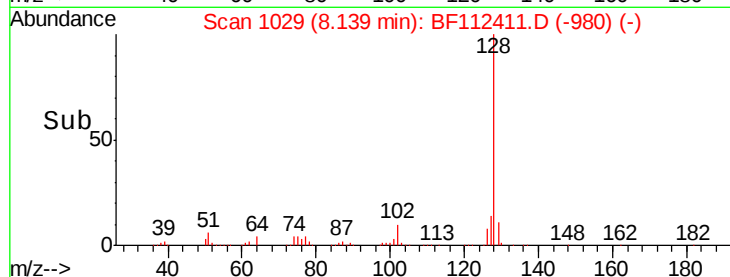
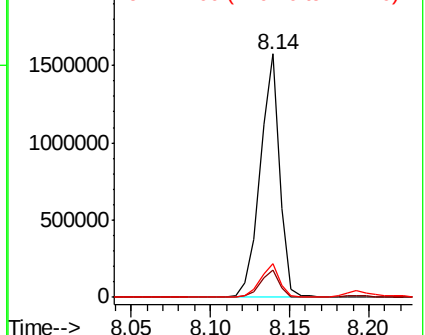
128 100

129 11.3 9.6 14.4

127 14.1 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 29.433 ng

RT: 7.92 min Scan# 992

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

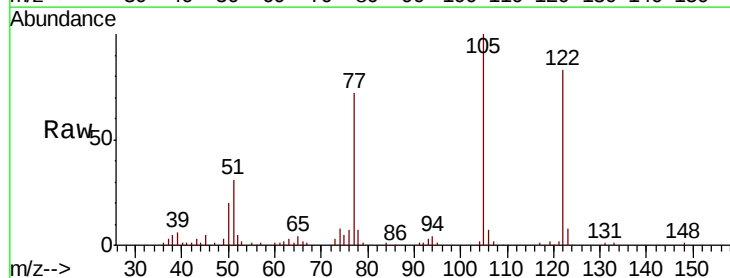
Tgt Ion:122 Resp: 128235

Ion Ratio Lower Upper

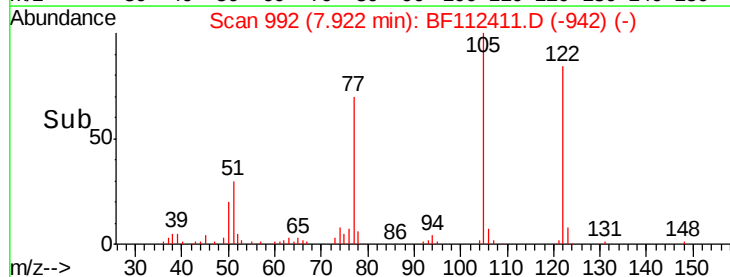
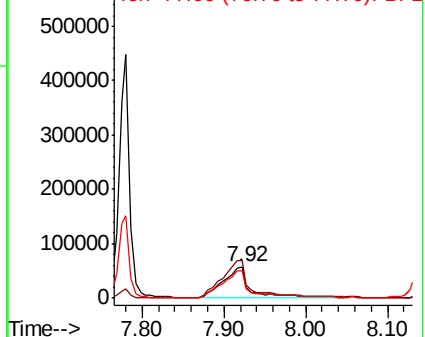
122 100

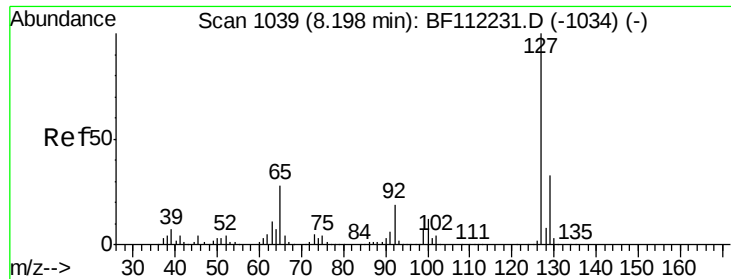
105 120.5 101.2 141.2

77 86.5 70.4 110.4



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

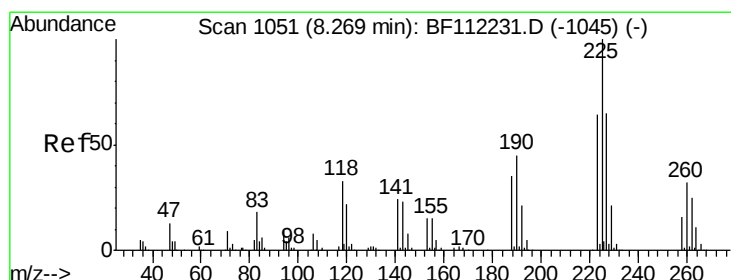
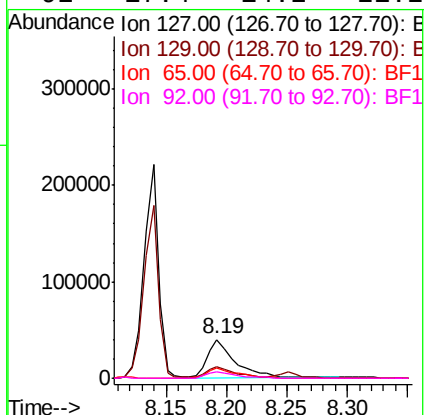
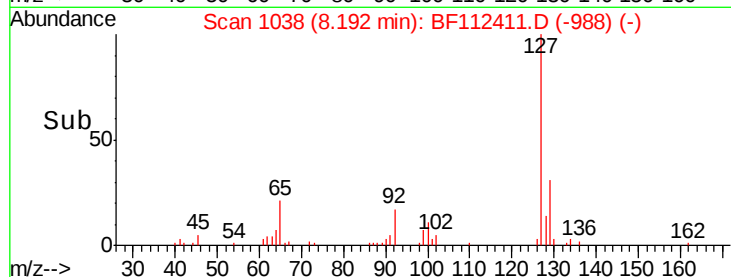
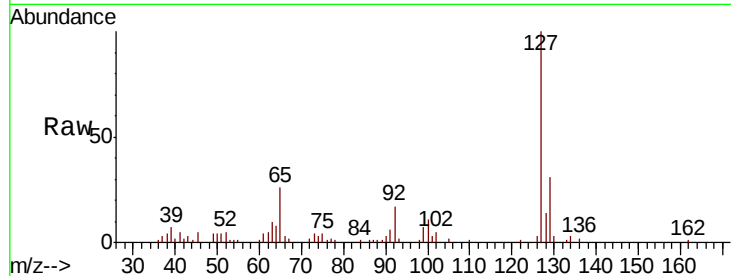




#33
4-Chloroaniline
Concen: 5.276 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

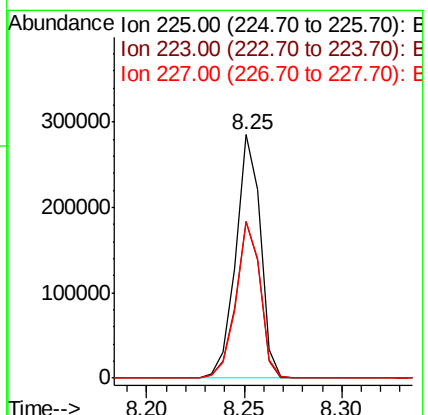
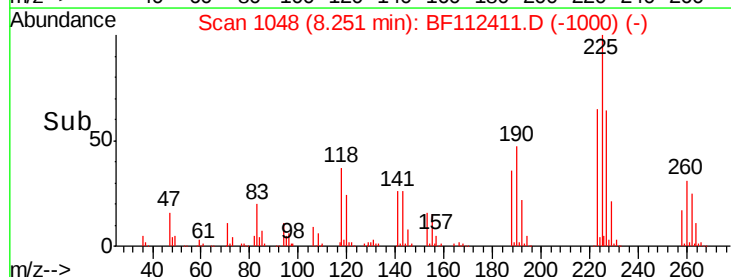
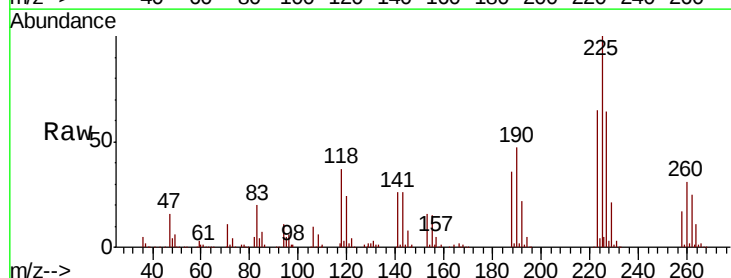
Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

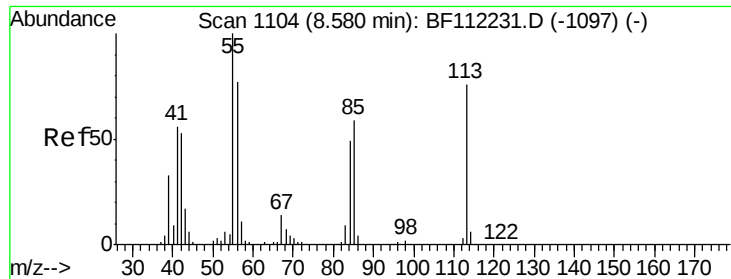
Tgt Ion:	127	Resp:	64299
Ion	Ratio	Lower	Upper
127	100		
129	30.7	26.6	39.8
65	25.6	21.4	32.2
92	17.4	14.2	21.2



#34
Hexachlorobutadiene
Concen: 43.258 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion:	225	Resp:	249399
Ion	Ratio	Lower	Upper
225	100		
223	64.5	50.3	75.5
227	64.1	51.8	77.8

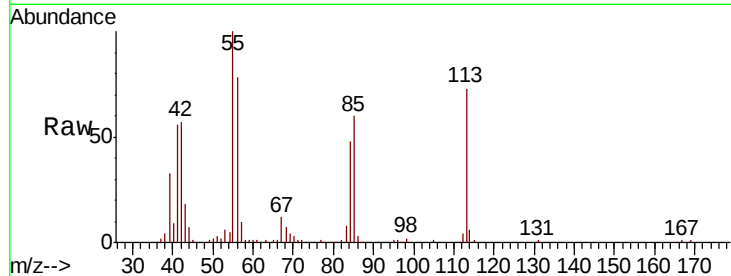




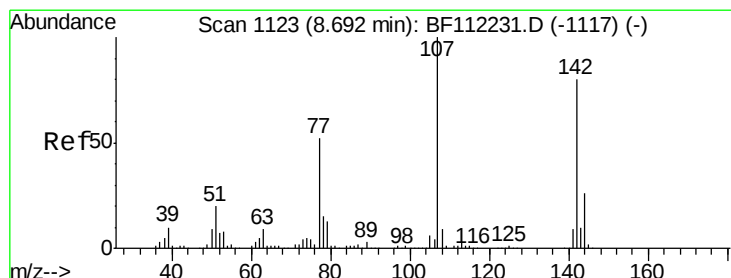
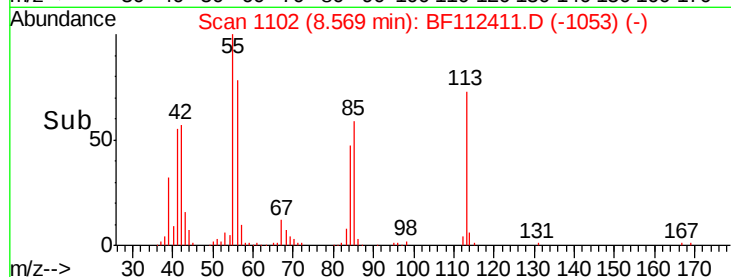
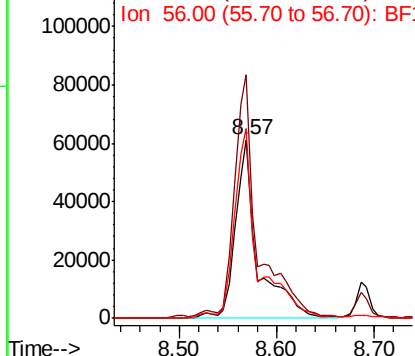
#35
 Caprolactam
 Concen: 32.609 ng
 RT: 8.57 min Scan# 1102
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-AMSD

Tgt Ion:113 Resp: 98326
 Ion Ratio Lower Upper
 113 100
 55 136.1 121.6 161.6
 56 106.1 86.7 126.7

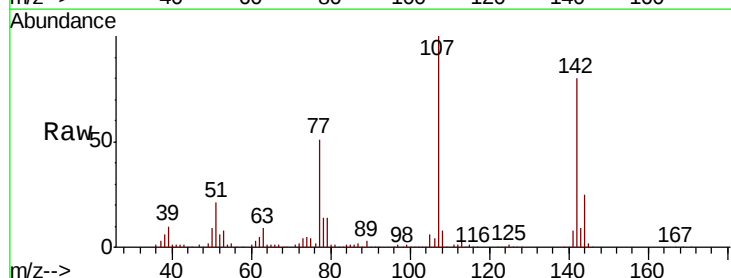


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

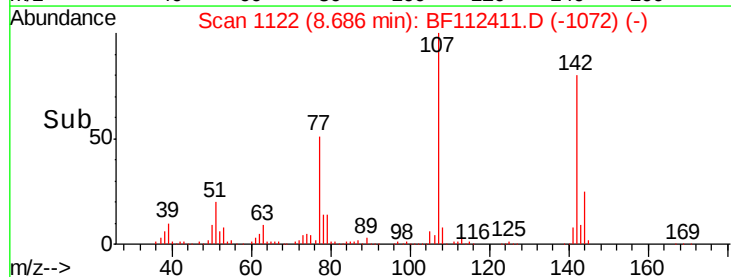
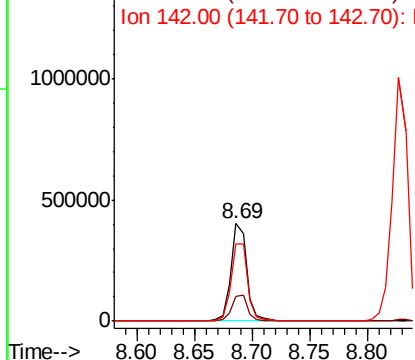


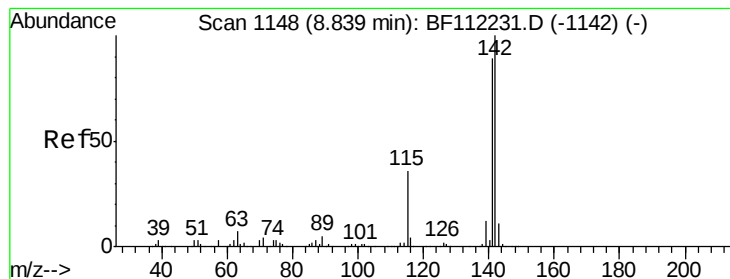
#36
 4-Chloro-3-methylphenol
 Concen: 42.427 ng
 RT: 8.69 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Tgt Ion:107 Resp: 383894
 Ion Ratio Lower Upper
 107 100
 144 25.3 22.2 33.2
 142 79.7 67.7 101.5



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 48.411 ng

RT: 8.83 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-AMSD

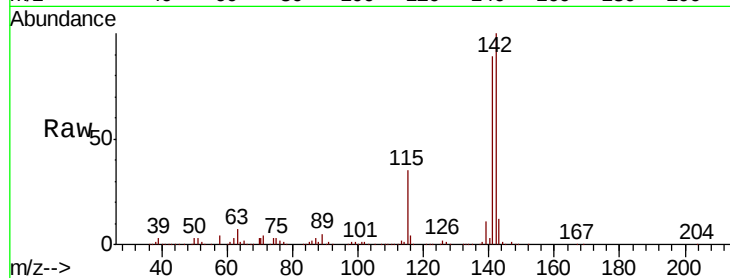
Tgt Ion:142 Resp: 927544

Ion Ratio Lower Upper

142 100

141 89.1 70.9 106.3

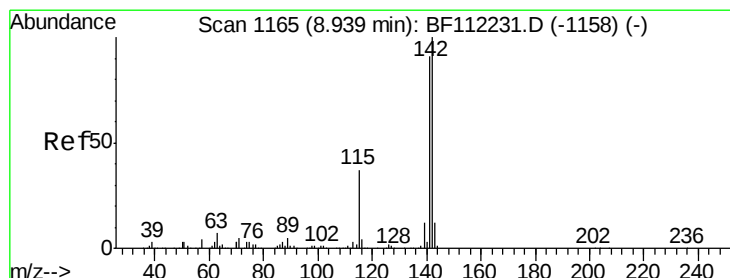
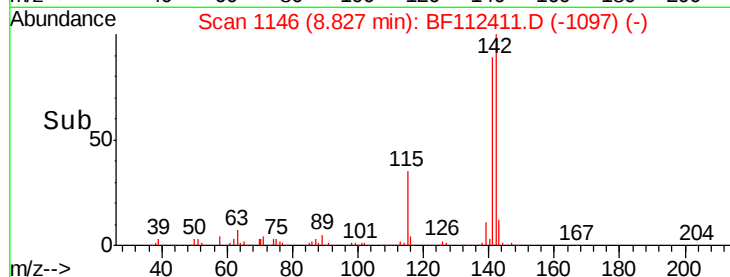
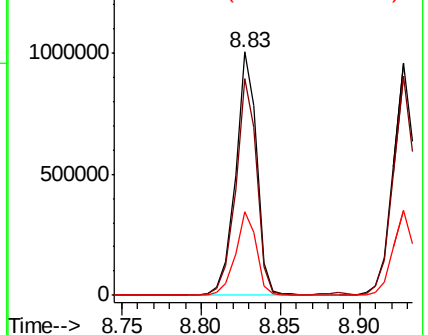
115 34.5 24.9 37.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 46.575 ng

RT: 8.93 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

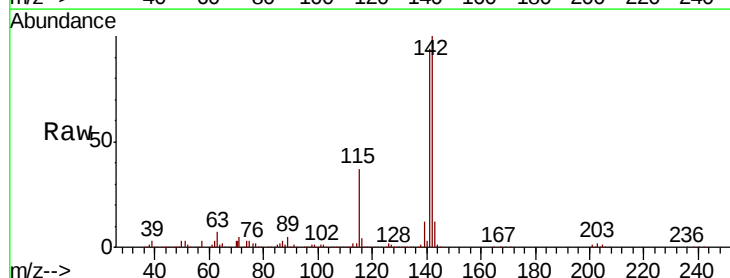
Tgt Ion:142 Resp: 855319

Ion Ratio Lower Upper

142 100

141 94.3 72.6 108.8

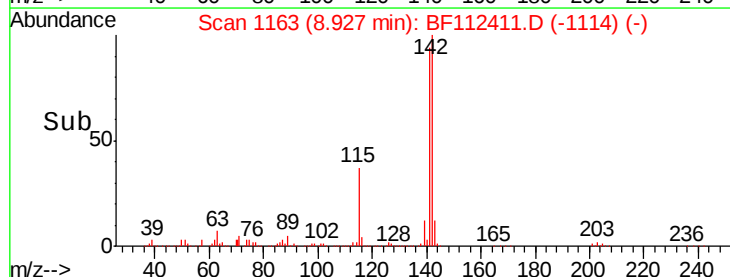
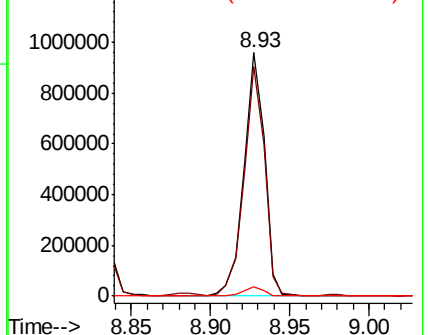
116 4.0 2.8 4.2

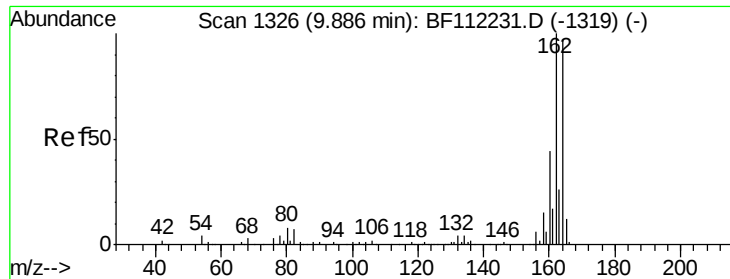


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-AMSD

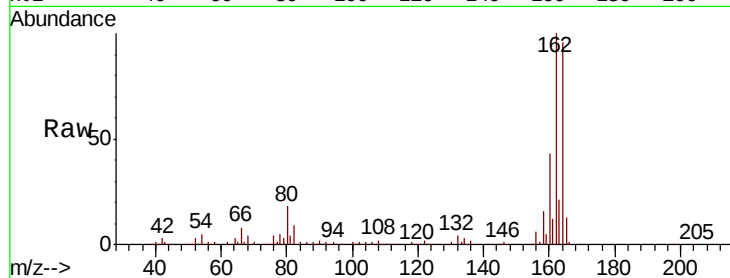
Tgt Ion:164 Resp: 259824

Ion Ratio Lower Upper

164 100

162 104.5 82.2 123.4

160 45.1 36.2 54.4

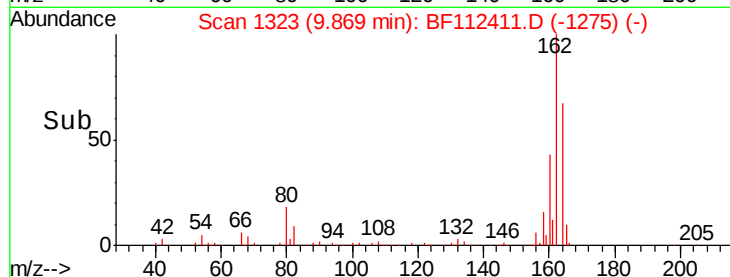
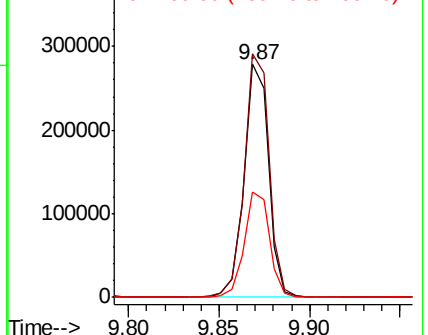


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.900 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Tgt Ion:216 Resp: 417163

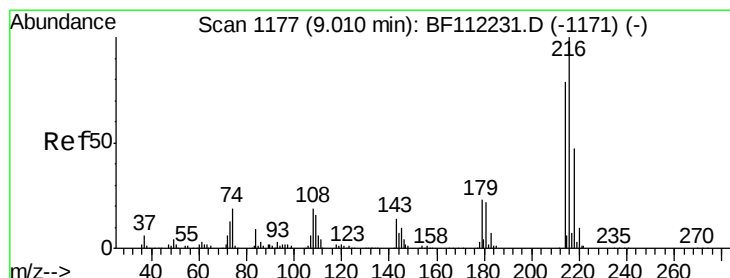
Ion Ratio Lower Upper

216 100

214 79.0 63.8 95.6

179 22.0 16.9 25.3

108 17.6 14.2 21.4



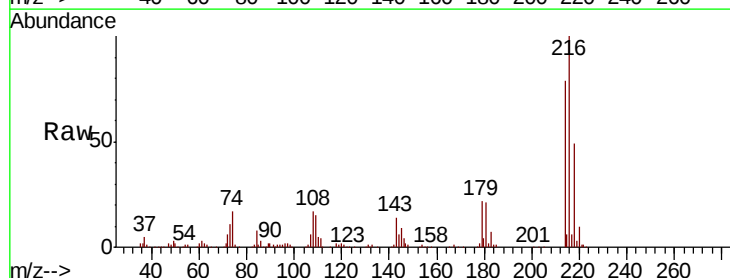
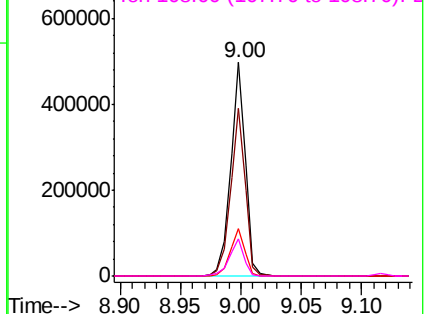
Abundance

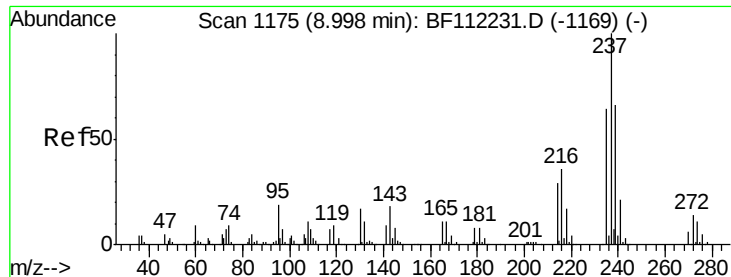
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 21.351 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.02 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-AMSD

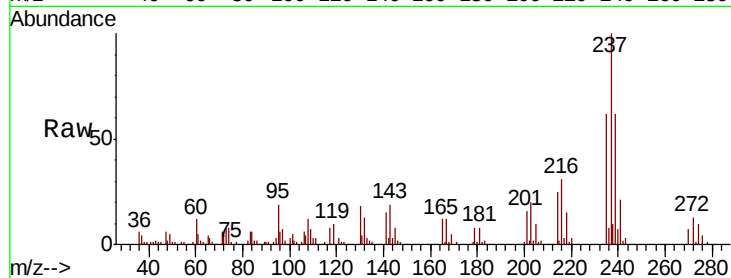
Tgt Ion: 237 Resp: 43465

Ion Ratio Lower Upper

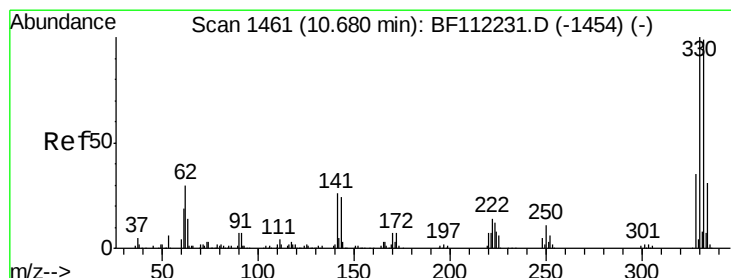
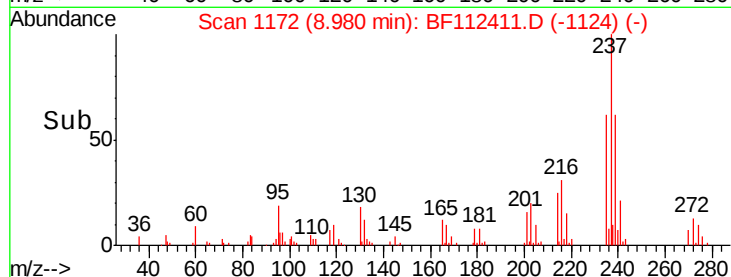
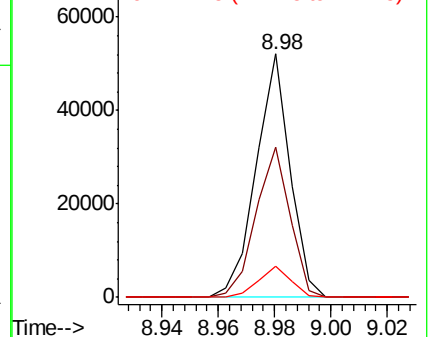
237 100

235 61.7 44.0 84.0

272 12.9 0.0 33.3



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 119.527 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

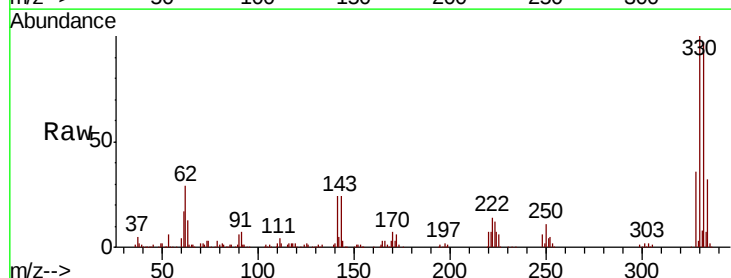
Tgt Ion: 330 Resp: 361483

Ion Ratio Lower Upper

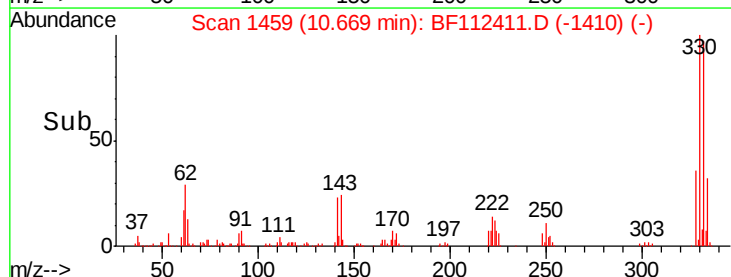
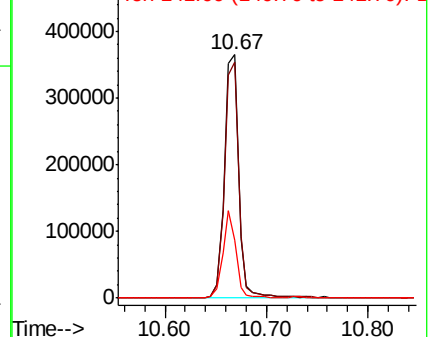
330 100

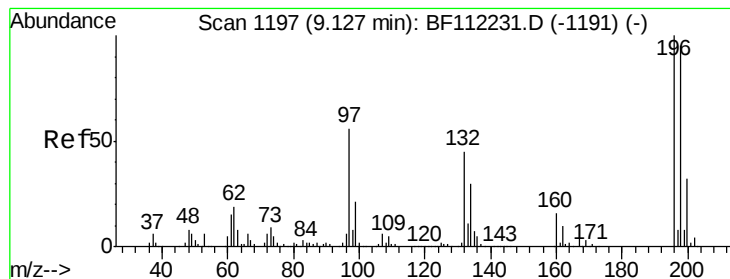
332 97.5 76.6 114.8

141 32.2 24.3 36.5



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#43

2,4,6-Trichlorophenol

Concen: 49.671 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-AMSD

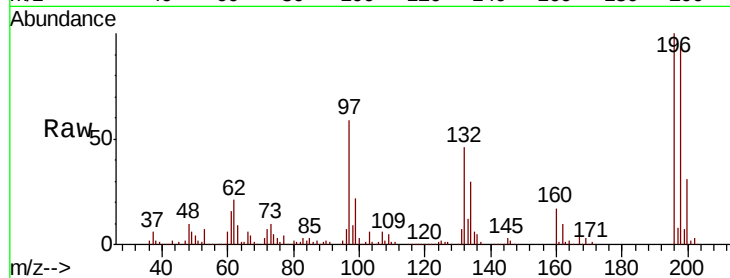
Tgt Ion:196 Resp: 261197

Ion Ratio Lower Upper

196 100

198 94.1 76.2 114.4

200 30.8 24.3 36.5

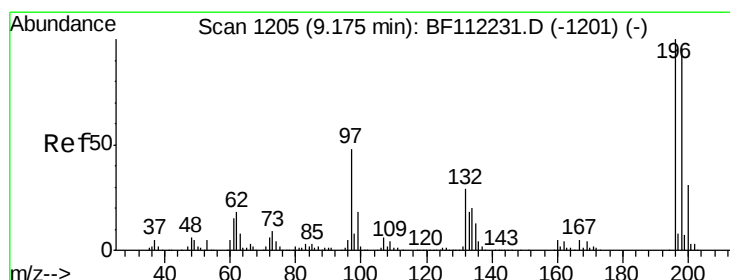
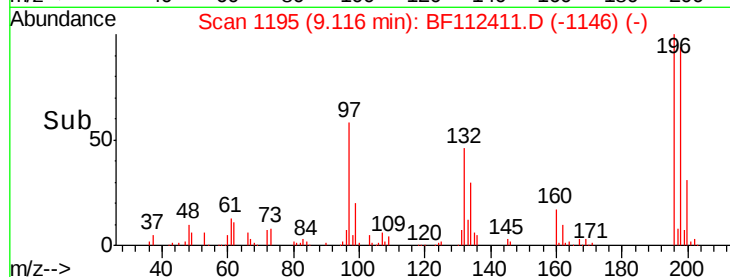
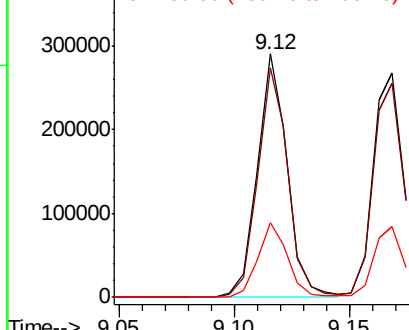


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 48.195 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Tgt Ion:196 Resp: 264877

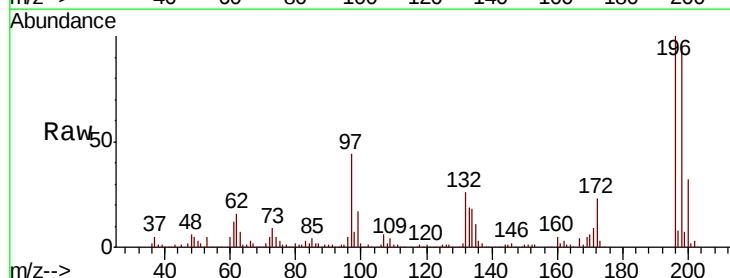
Ion Ratio Lower Upper

196 100

198 95.5 76.0 114.0

97 43.6 36.4 54.6

132 26.4 21.5 32.3



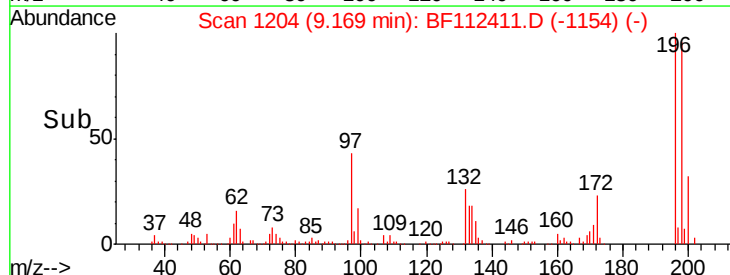
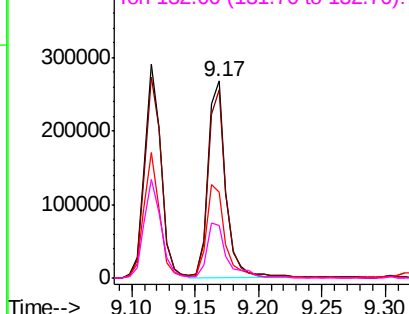
Abundance

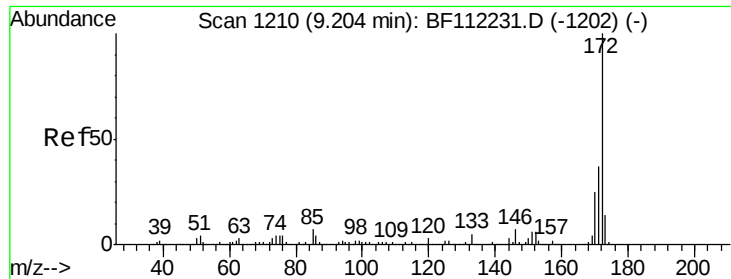
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

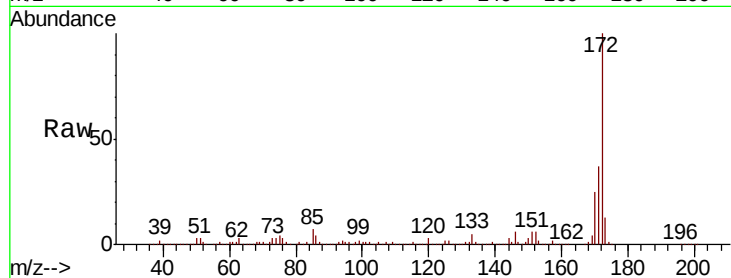




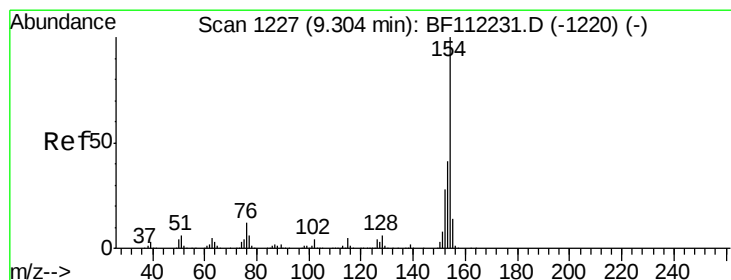
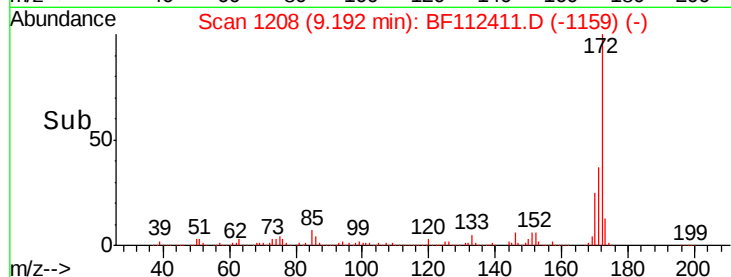
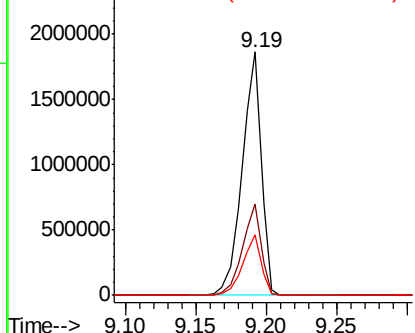
#45
 2-Fluorobiphenyl
 Concen: 96.024 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-AMSD

Tgt Ion:172 Resp: 1764033
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.5 45.7
 170 24.8 20.2 30.4

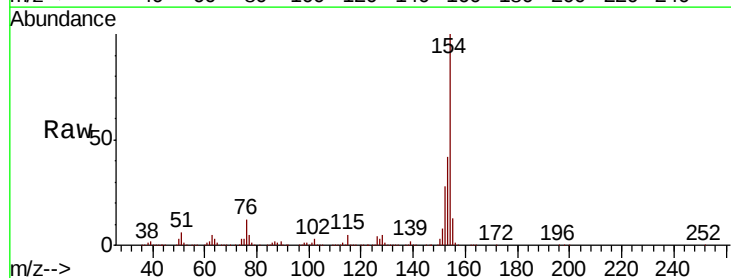


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

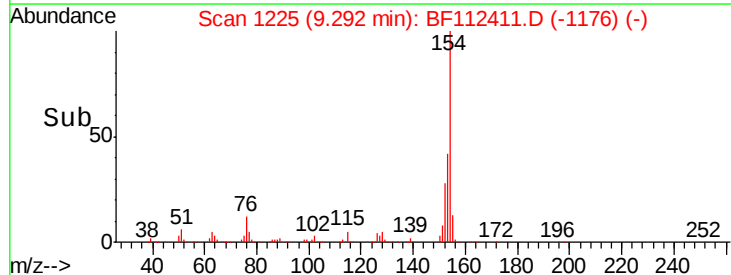
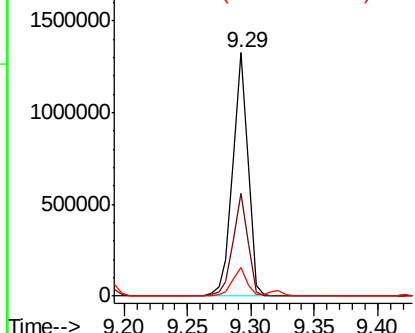


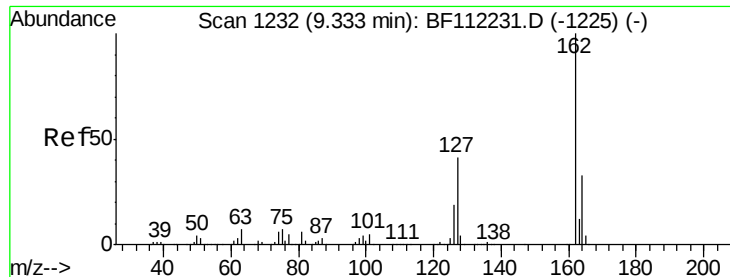
#46
 1,1'-Biphenyl
 Concen: 48.389 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Tgt Ion:154 Resp: 1099136
 Ion Ratio Lower Upper
 154 100
 153 42.1 21.5 61.5
 76 11.8 0.0 33.1



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

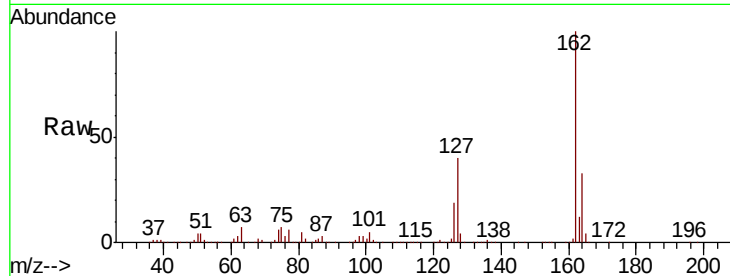




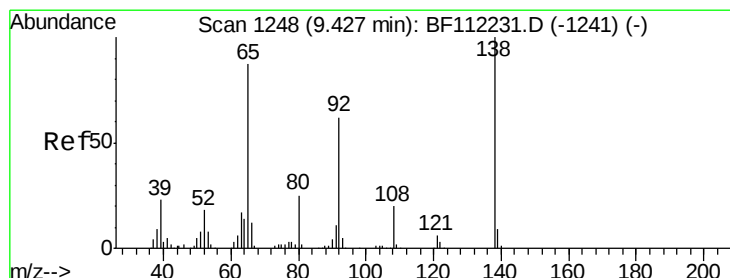
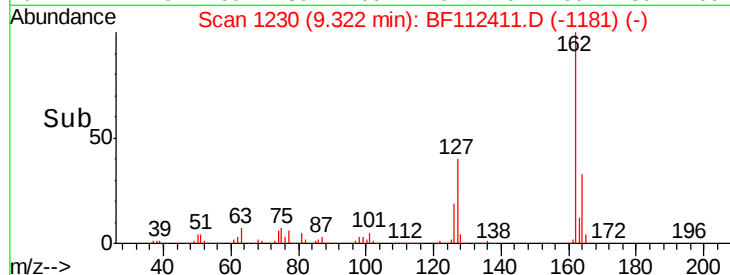
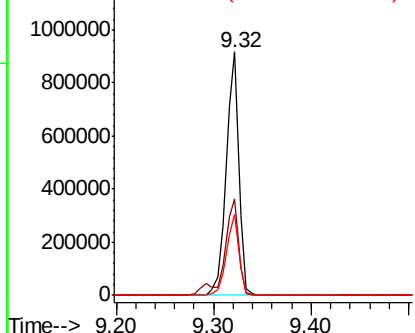
#47
 2-Chloronaphthalene
 Concen: 46.821 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-AMSD

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.9	30.4	45.6
164	33.1	27.4	41.2

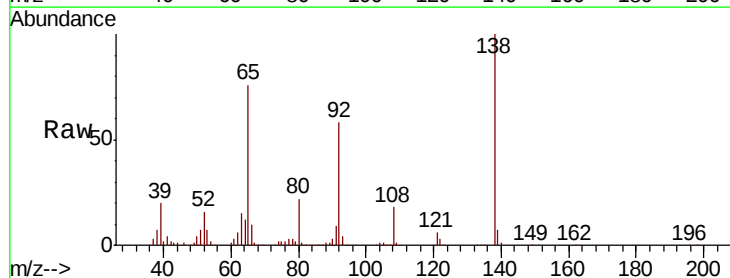


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

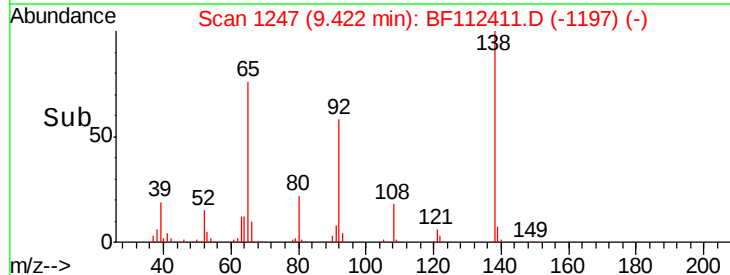
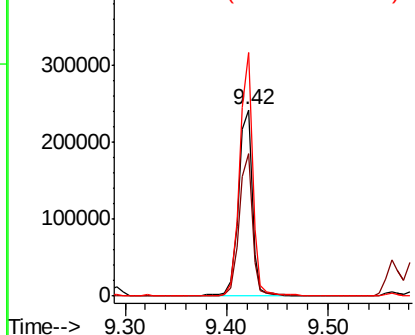


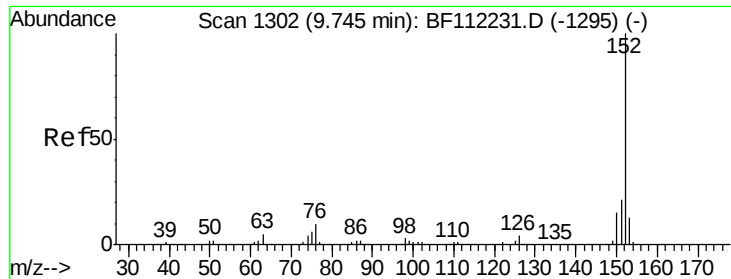
#48
 2-Nitroaniline
 Concen: 48.551 ng
 RT: 9.42 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
65	100		
92	76.2	60.4	90.6
138	130.7	104.4	156.6



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 48.438 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-AMSD

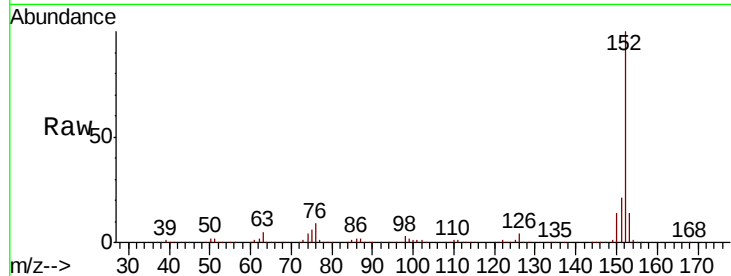
Tgt Ion:152 Resp: 1250561

Ion Ratio Lower Upper

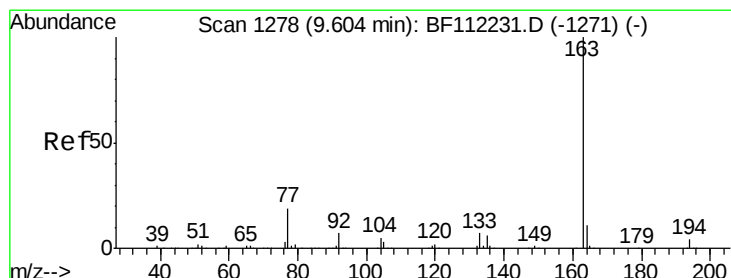
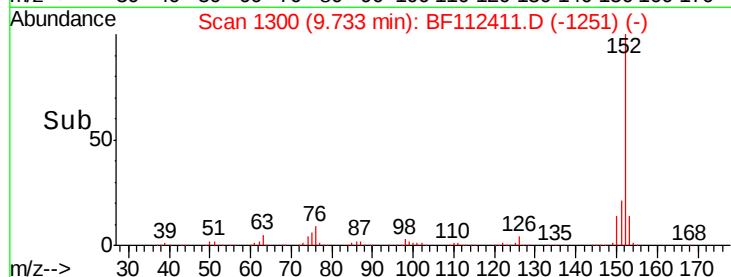
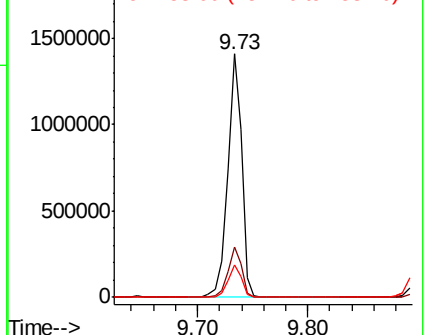
152 100

151 20.6 17.0 25.6

153 13.5 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 49.292 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

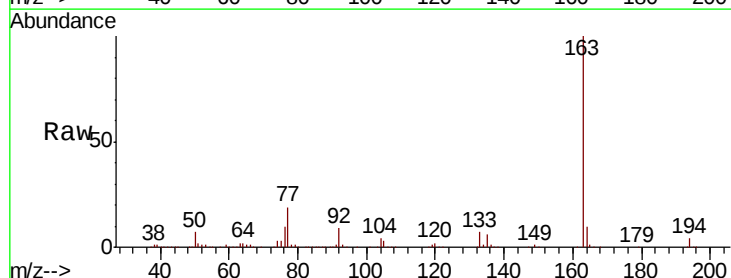
Tgt Ion:163 Resp: 995050

Ion Ratio Lower Upper

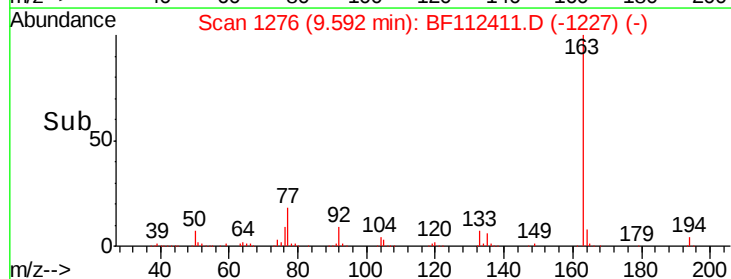
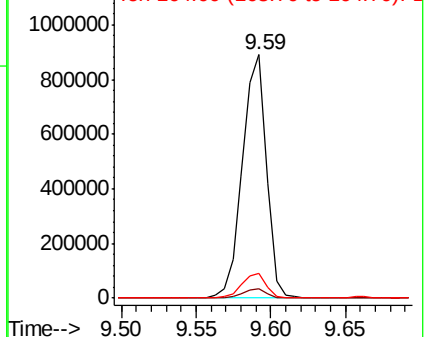
163 100

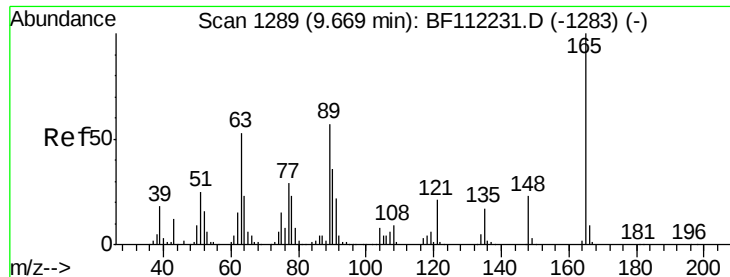
194 4.0 3.3 4.9

164 10.3 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

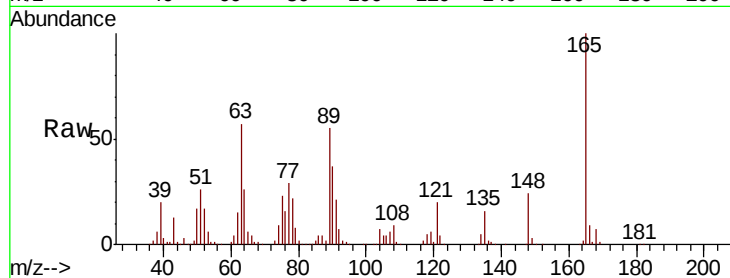




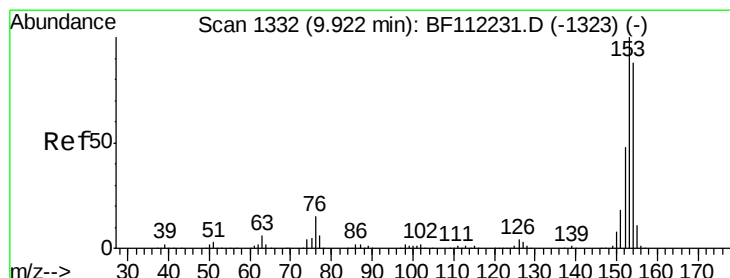
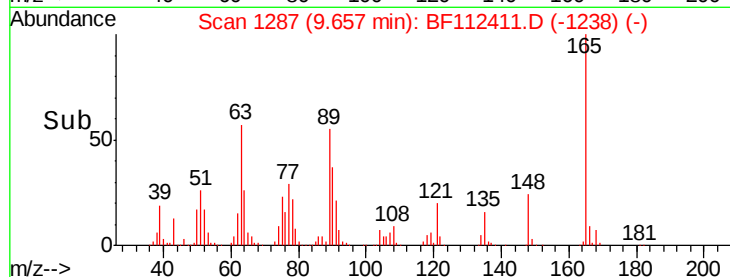
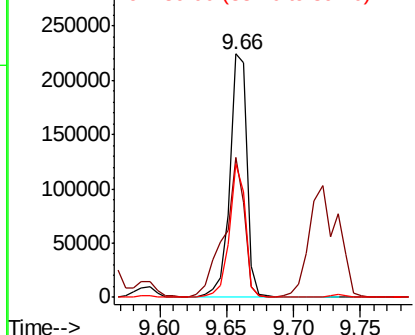
#51
 2,6-Dinitrotoluene
 Concen: 45.433 ng
 RT: 9.66 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-AMSD

Tgt Ion	Ratio	Lower	Upper
165	100		
63	57.3	33.8	50.8#
89	54.7	36.9	55.3

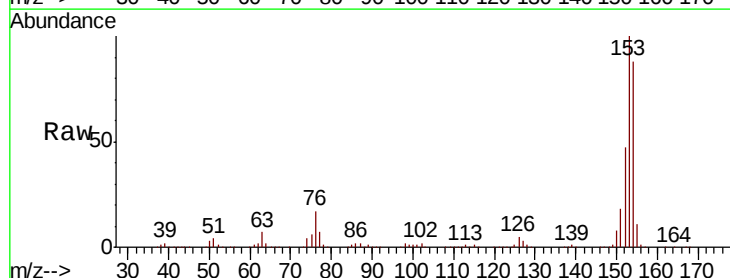


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

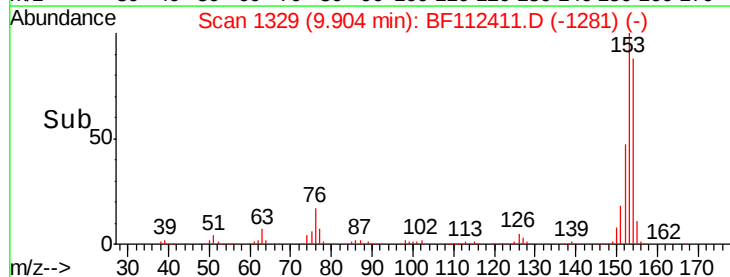
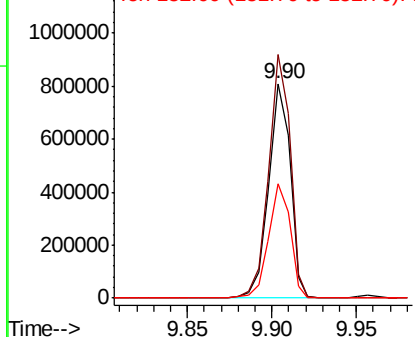


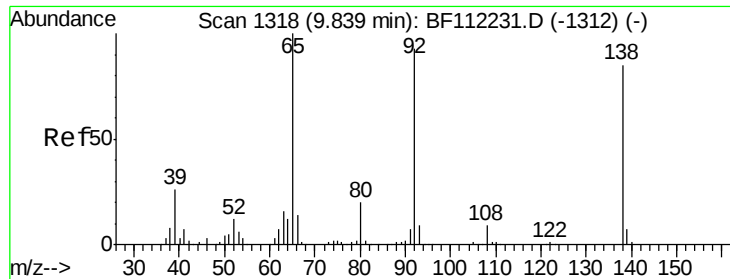
#52
 Acenaphthene
 Concen: 46.667 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.4	89.8	134.6
152	53.3	43.5	65.3



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

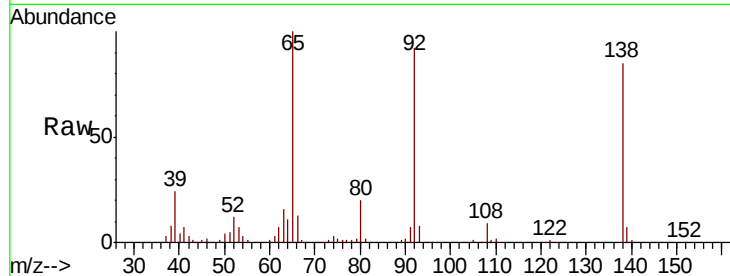




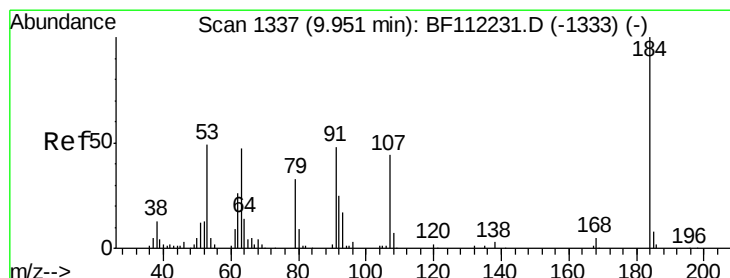
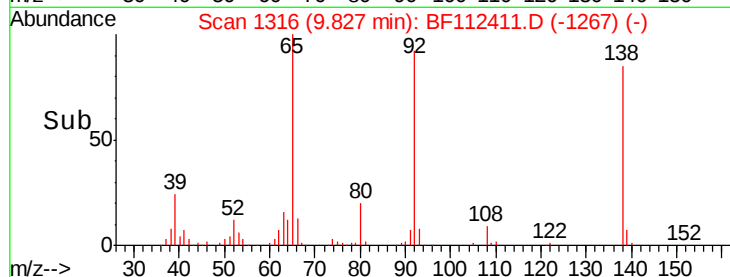
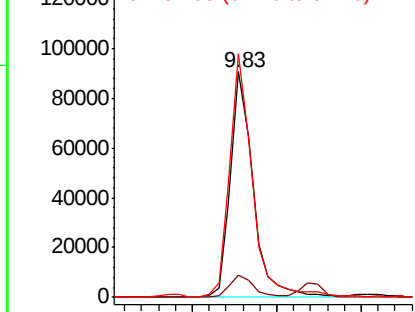
#53
3-Nitroaniline
Concen: 17.283 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tgt Ion:138 Resp: 84654
Ion Ratio Lower Upper
138 100
108 10.1 9.8 14.6
92 108.0 79.4 119.2

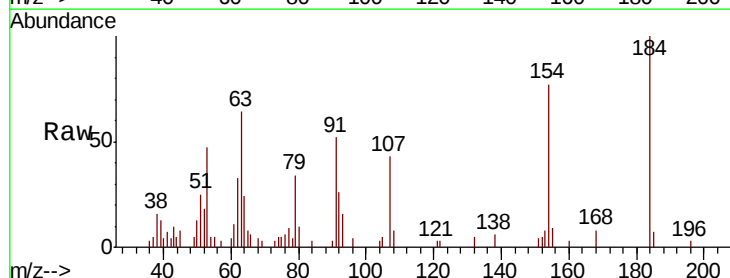


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

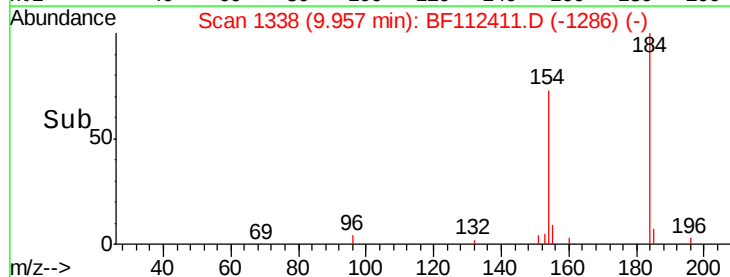
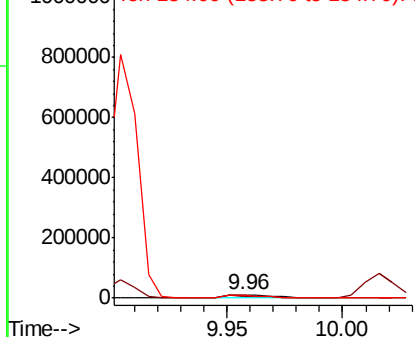


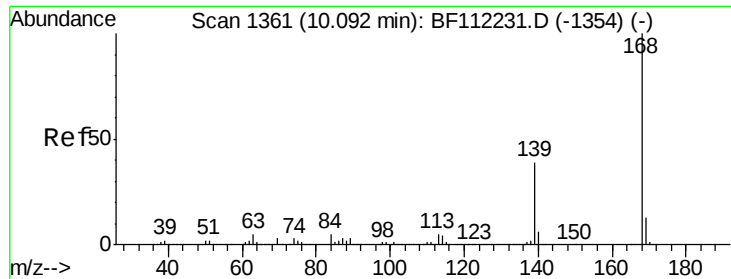
#54
2,4-Dinitrophenol
Concen: 12.723 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion:184 Resp: 18460
Ion Ratio Lower Upper
184 100
63 64.2 47.1 70.7
154 77.0 48.9 73.3#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

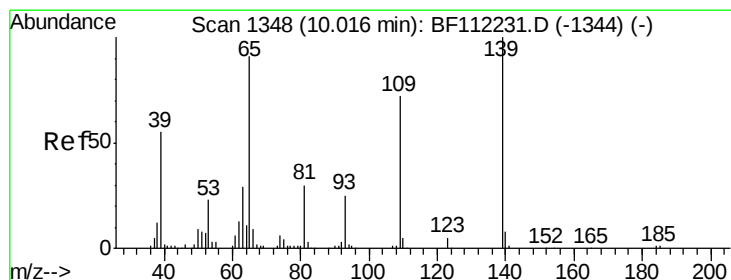
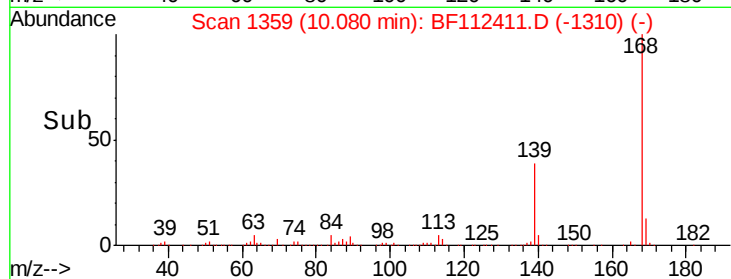
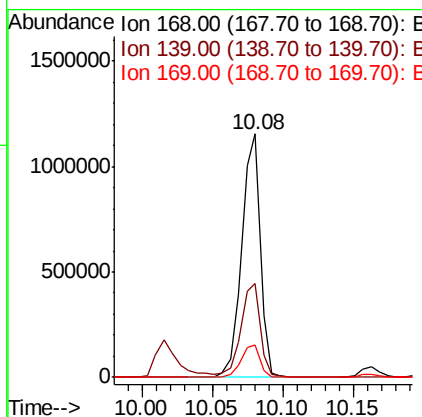
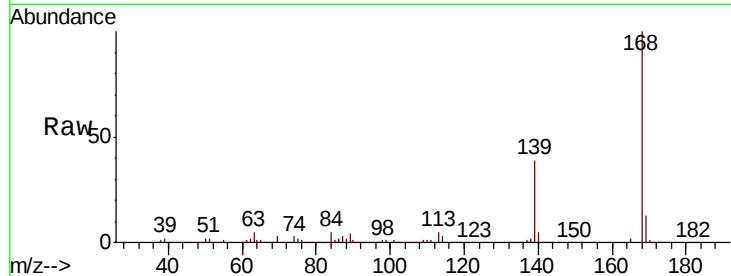




#55
Dibenzofuran
Concen: 44.855 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

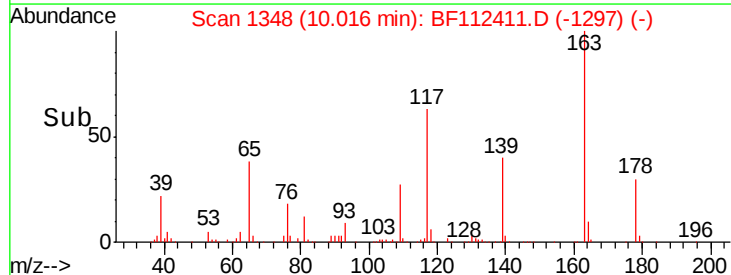
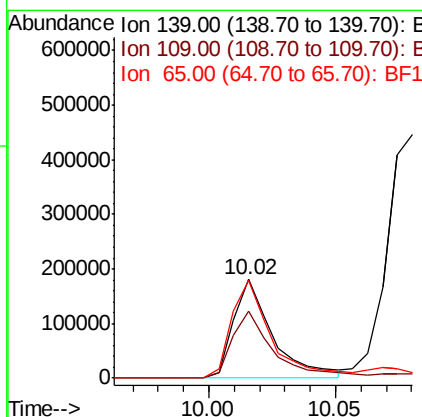
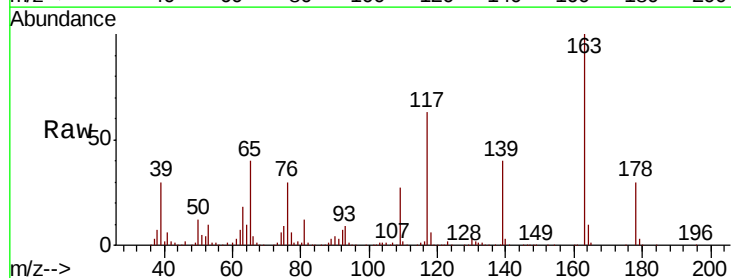
Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

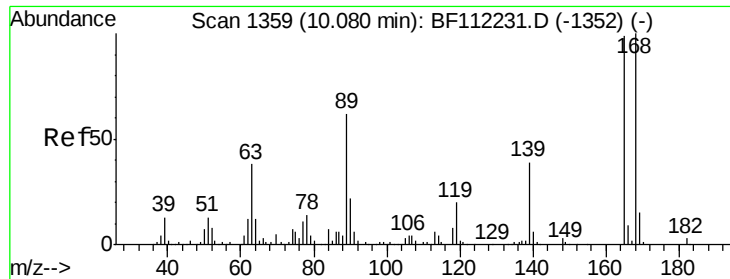
Tgt Ion:168 Resp: 1057158
Ion Ratio Lower Upper
168 100
139 38.6 29.2 43.8
169 13.3 11.4 17.0



#56
4-Nitrophenol
Concen: 75.763 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.00 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion:139 Resp: 196192
Ion Ratio Lower Upper
139 100
109 68.4 42.8 82.8
65 99.8 66.1 106.1

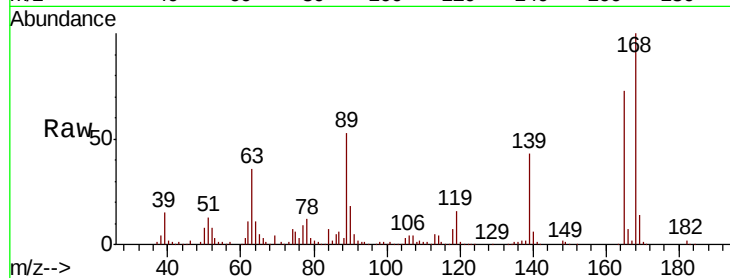




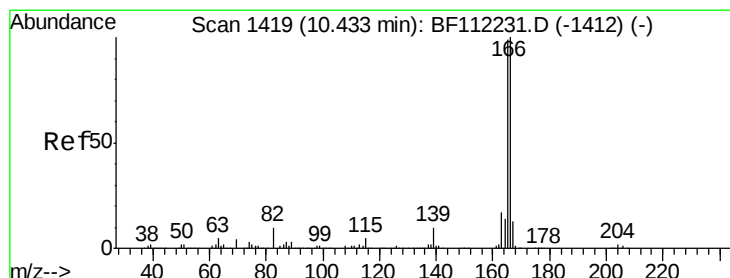
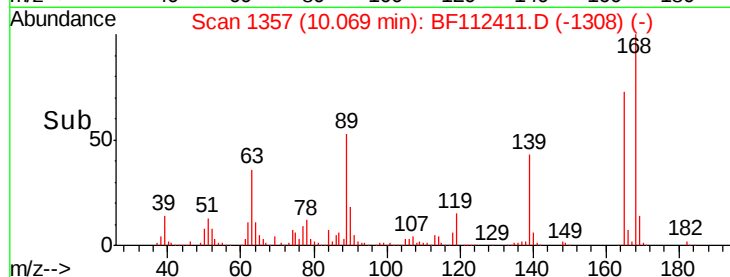
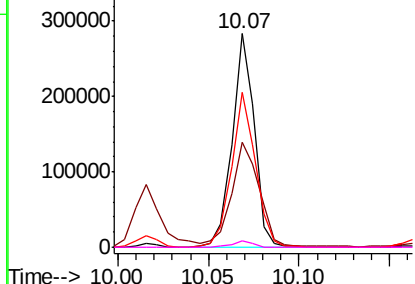
#57
 2,4-Dinitrotoluene
 Concen: 41.944 ng
 RT: 10.07 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-AMSD

Tgt Ion	Ratio	Lower	Upper
165	100		
63	49.3	27.9	41.9#
89	72.7	47.9	71.9#
182	2.7	2.2	3.4

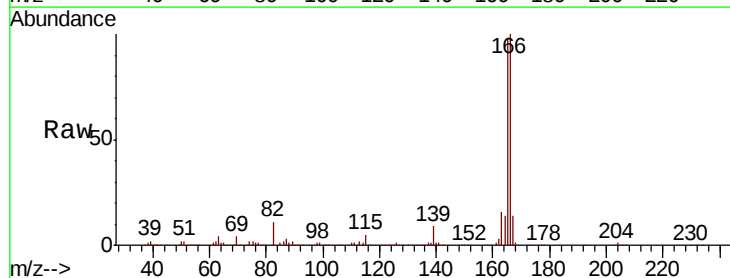


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

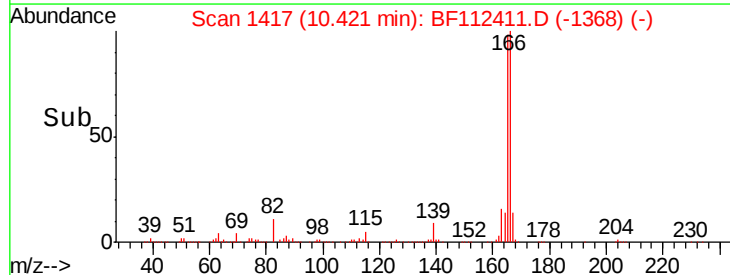
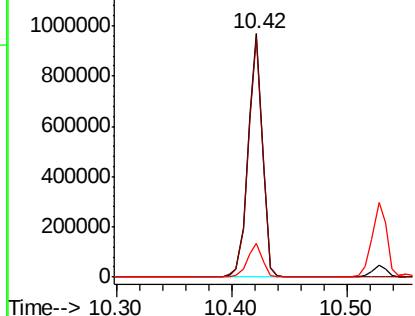


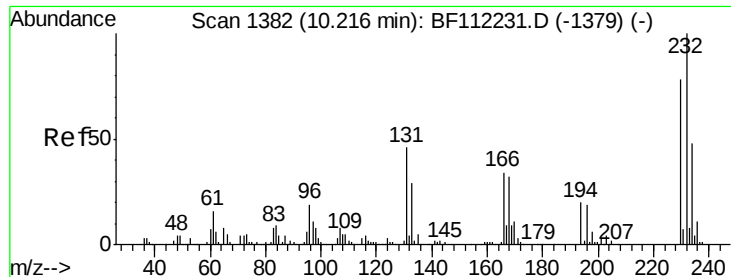
#58
 Fluorene
 Concen: 46.820 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.1	115.7
167	13.7	11.3	16.9



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

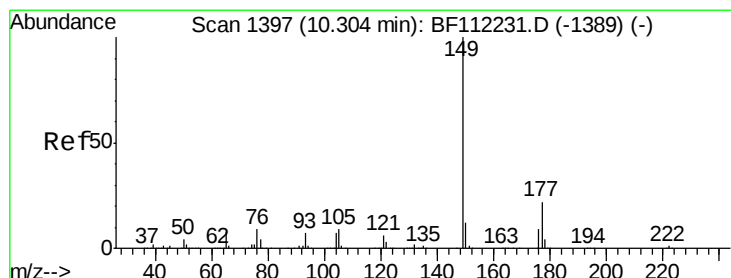
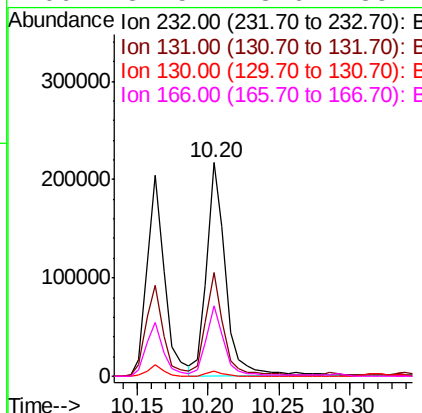
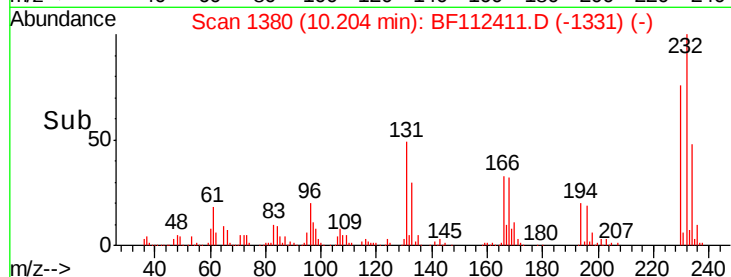
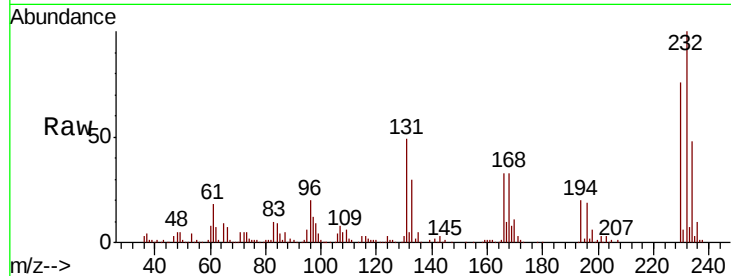




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.328 ng
RT: 10.20 min Scan# 1380
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

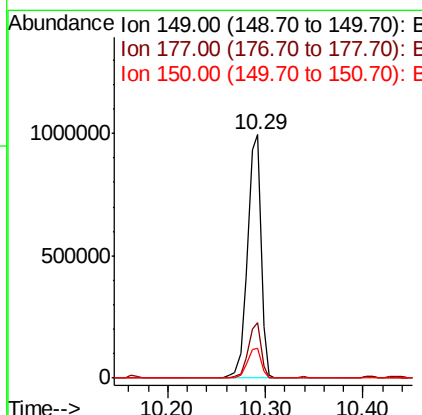
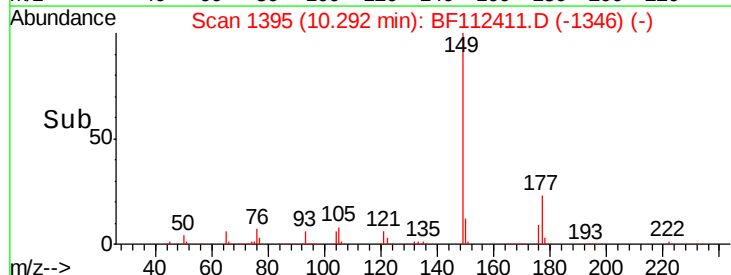
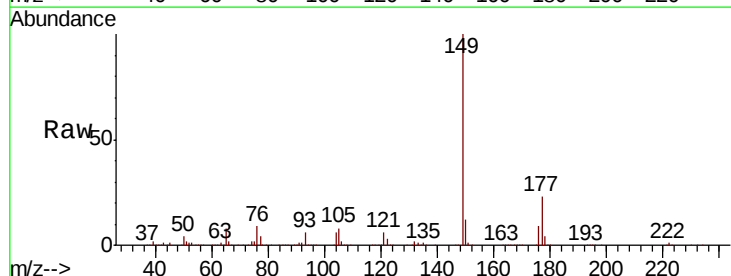
Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

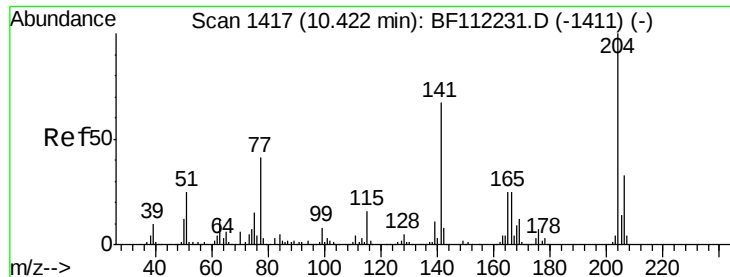
Tgt Ion:	232	Resp:	200718
Ion	Ratio	Lower	Upper
232	100		
131	45.9	33.9	50.9
130	2.6	1.8	2.6
166	31.5	23.6	35.4



#60
Diethylphthalate
Concen: 47.782 ng
RT: 10.29 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion:	149	Resp:	957228
Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.2	27.2
150	12.5	10.4	15.6

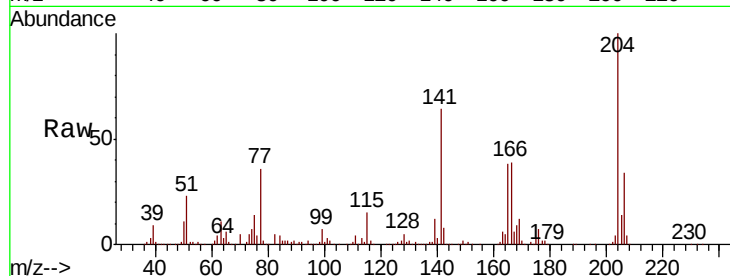




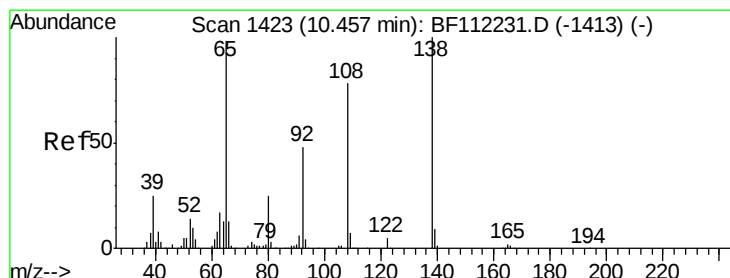
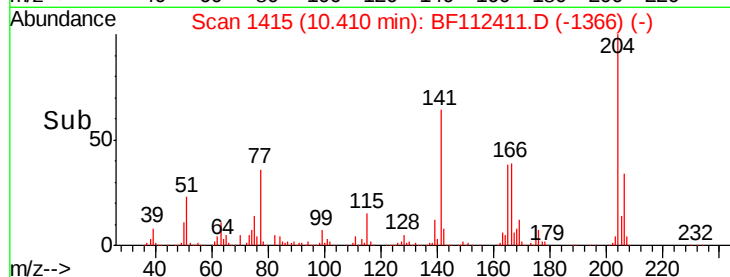
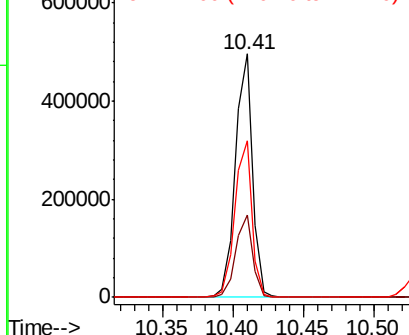
#61
4-Chlorophenyl-phenylether
Concen: 43.508 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tgt Ion:204 Resp: 417418
Ion Ratio Lower Upper
204 100
206 34.1 26.5 39.7
141 64.4 45.9 68.9

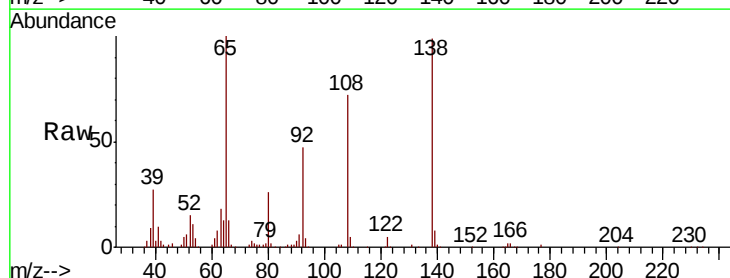


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

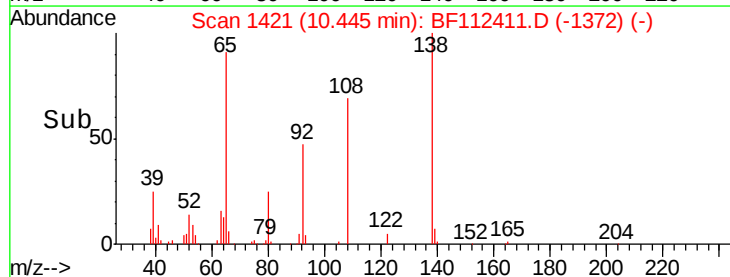
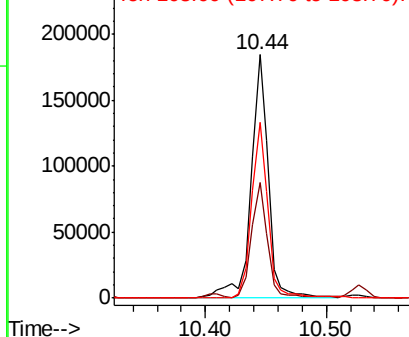


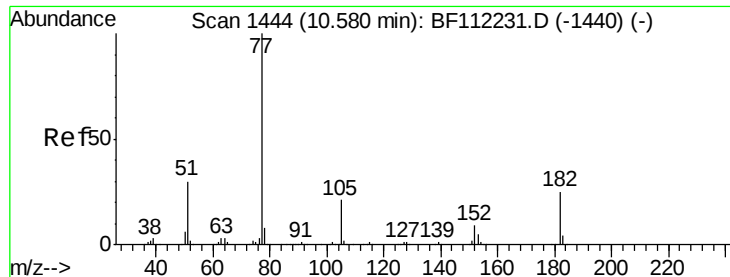
#62
4-Nitroaniline
Concen: 38.535 ng
RT: 10.44 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion:138 Resp: 185136
Ion Ratio Lower Upper
138 100
92 47.5 30.6 70.6
108 72.2 50.0 90.0



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

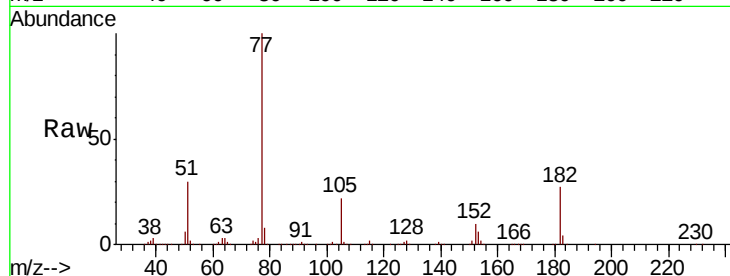




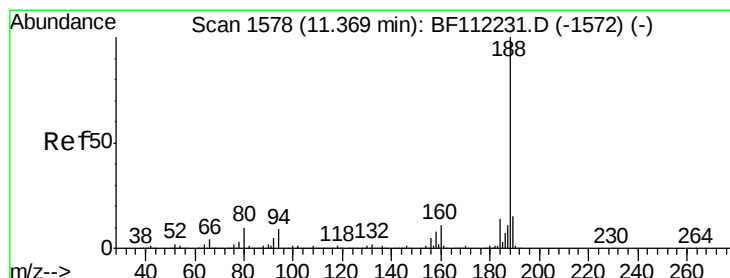
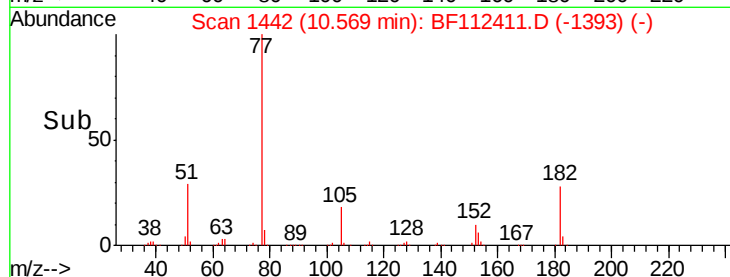
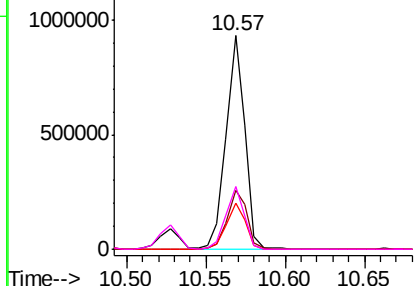
#63
Azobenzene
Concen: 43.371 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tgt Ion:	77	Resp:	764145
Ion	Ratio	Lower	Upper
77	100		
182	27.3	5.7	45.7
105	21.6	1.4	41.4
51	29.7	9.5	49.5

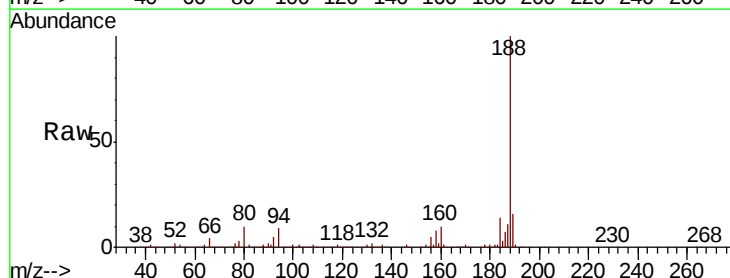


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

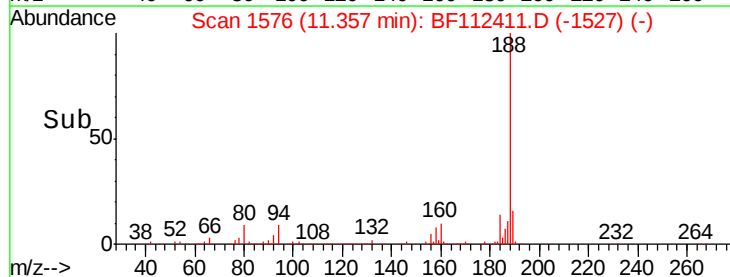
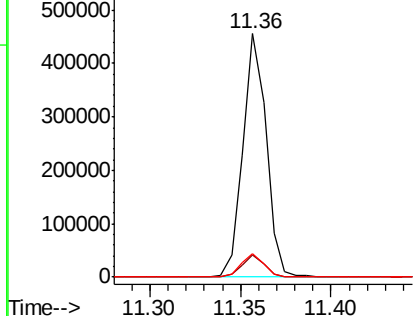


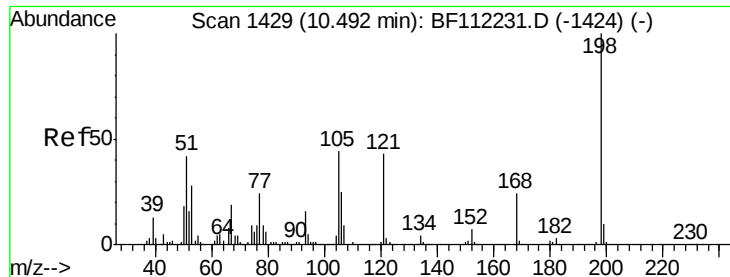
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion:	188	Resp:	410389
Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.2	12.2
80	9.7	8.9	13.3



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

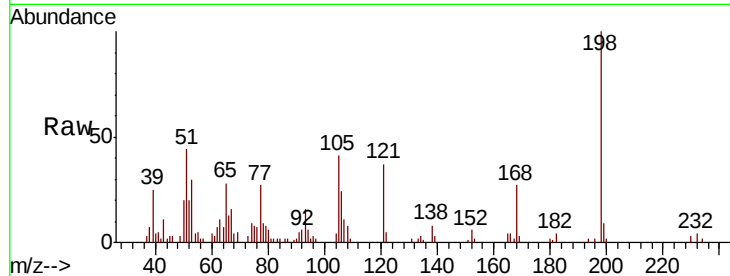




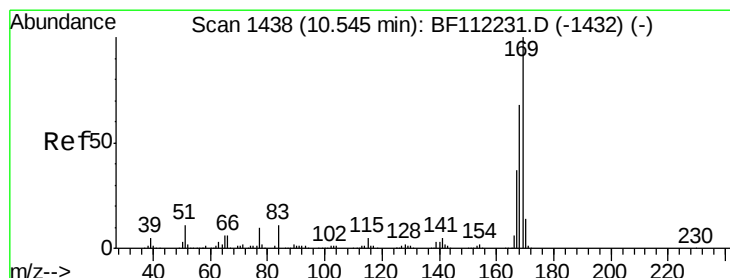
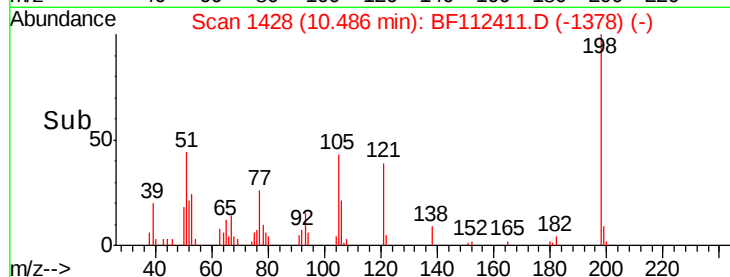
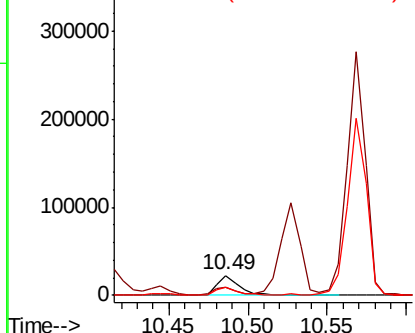
#65
 4,6-Dinitro-2-methylphenol
 Concen: 9.446 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-AMSD

Tgt Ion:198 Resp: 21734
 Ion Ratio Lower Upper
 198 100
 51 43.6 17.2 57.2
 105 41.3 21.9 61.9

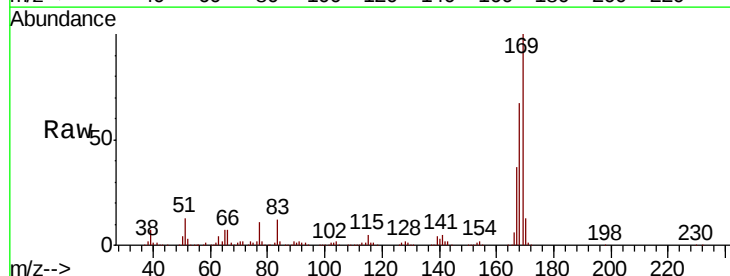


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

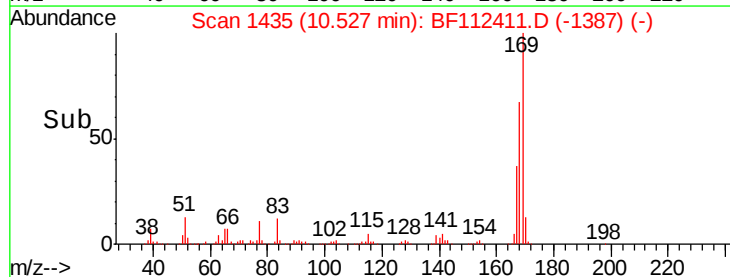
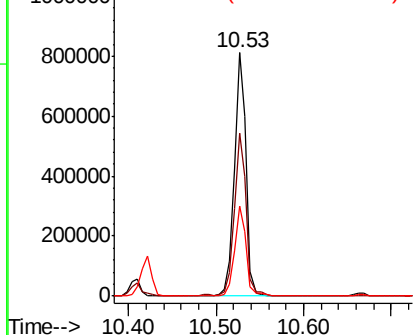


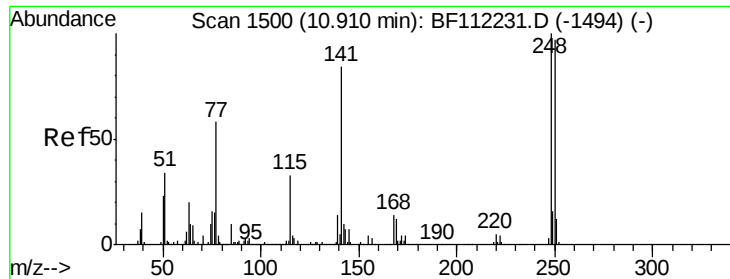
#66
 n-Nitrosodiphenylamine
 Concen: 53.534 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.02 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Tgt Ion:169 Resp: 740446
 Ion Ratio Lower Upper
 169 100
 168 66.9 53.9 80.9
 167 36.8 28.9 43.3



Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

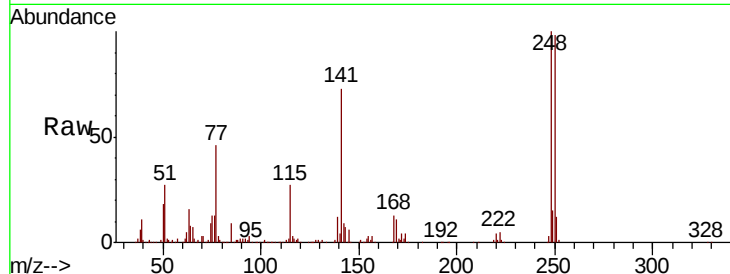




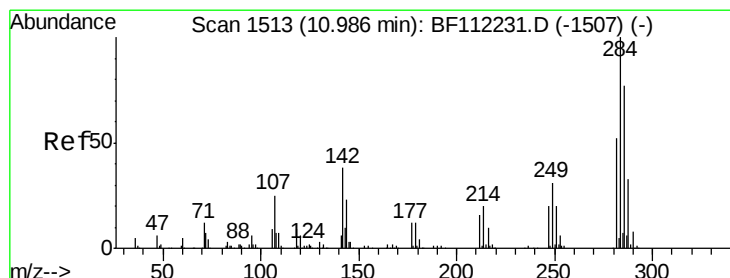
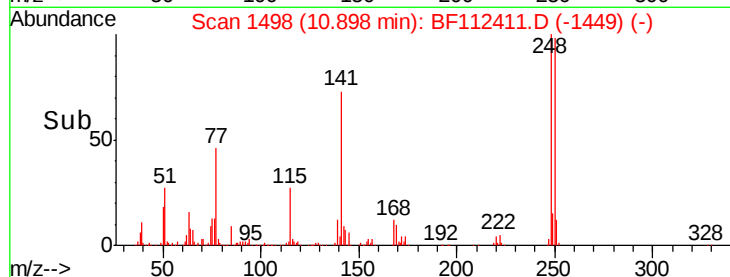
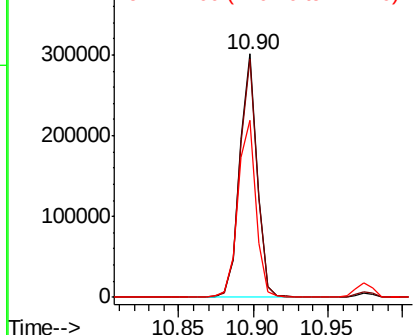
#67
4-Bromophenyl-phenylether
Concen: 50.925 ng
RT: 10.90 min Scan# 1498
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tgt Ion:248 Resp: 245804
Ion Ratio Lower Upper
248 100
250 97.9 79.7 119.5
141 72.6 60.3 90.5

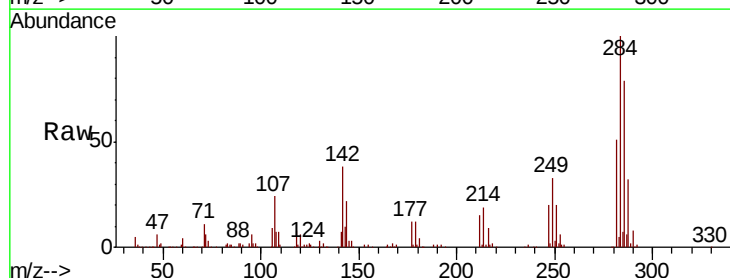


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

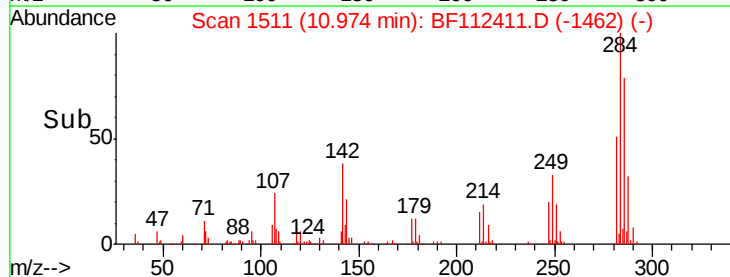
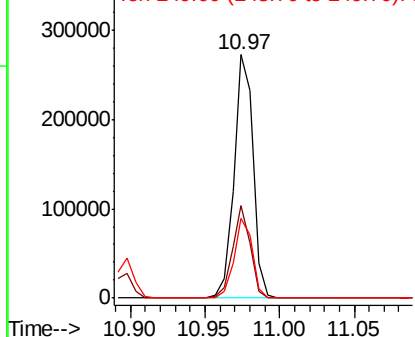


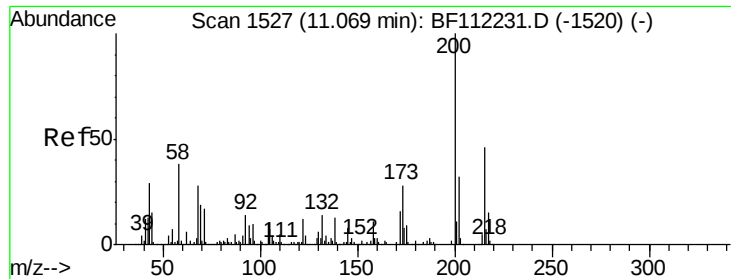
#68
Hexachlorobenzene
Concen: 47.530 ng
RT: 10.97 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion:284 Resp: 246134
Ion Ratio Lower Upper
284 100
142 38.1 27.6 41.4
249 32.6 24.1 36.1



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

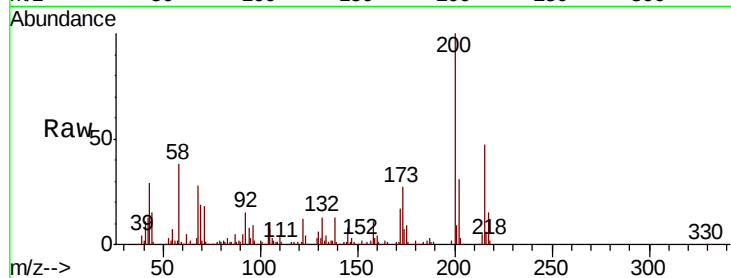




#69
Atrazine
Concen: 53.089 ng
RT: 11.06 min Scan# 1525
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.9	7.1	47.1
215	46.5	30.4	70.4

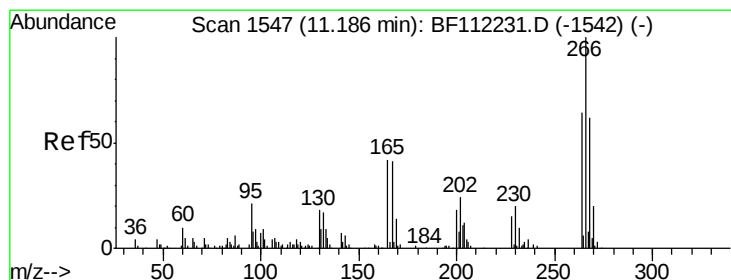
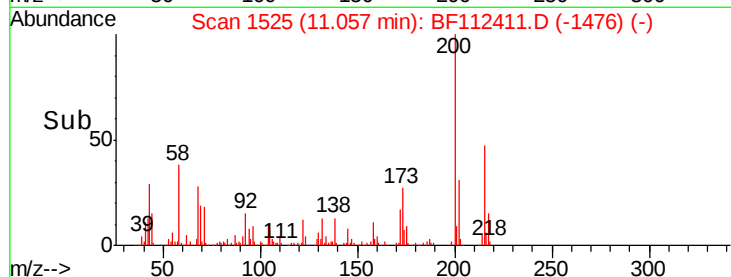
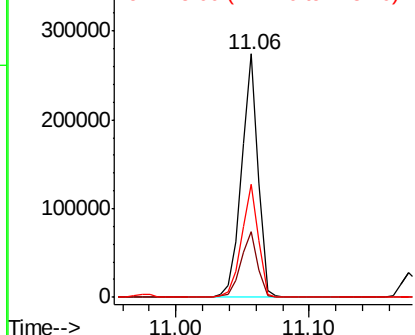


Abundance

Ion 200.00 (199.70 to 200.70): E

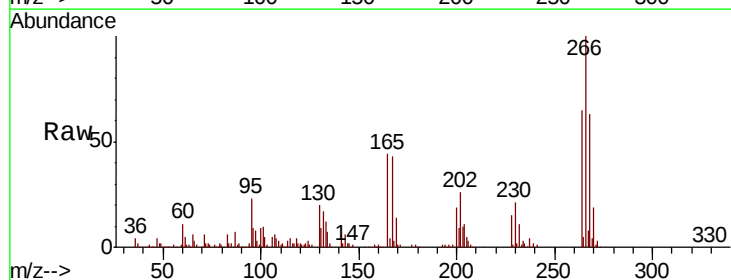
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 85.703 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.4	51.2	76.8
264	65.0	50.9	76.3

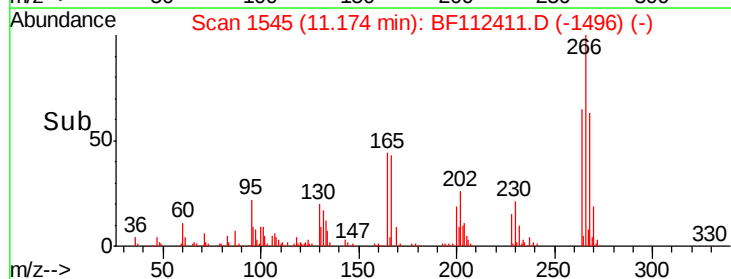
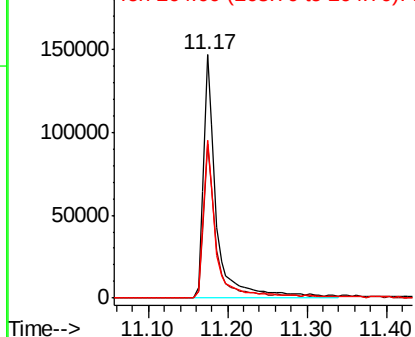


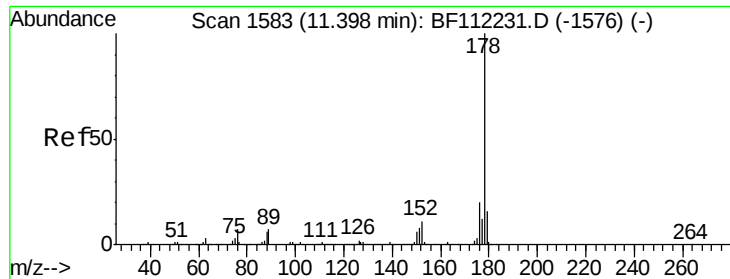
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

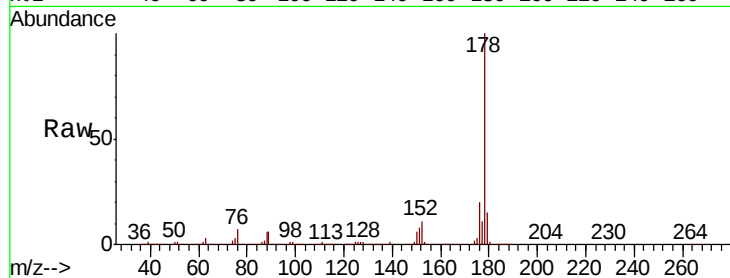




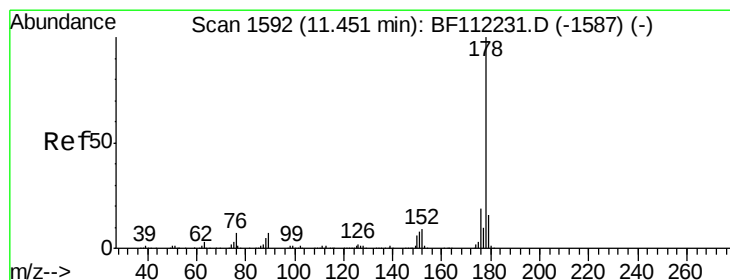
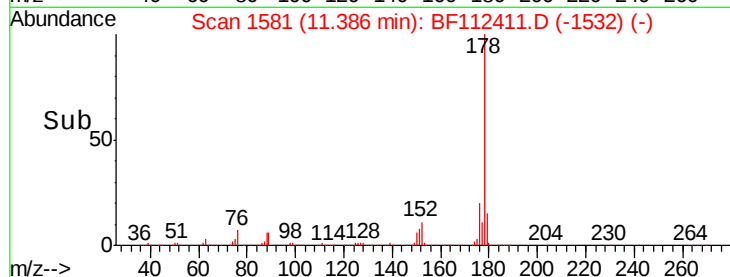
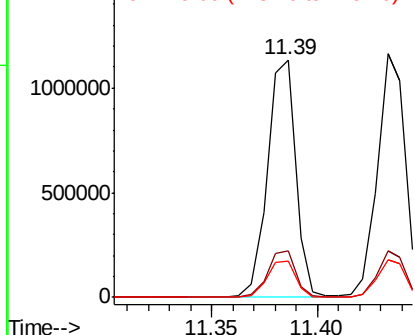
#71
Phenanthrene
Concen: 49.858 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tgt Ion:178 Resp: 1063753
Ion Ratio Lower Upper
178 100
176 19.6 16.3 24.5
179 15.2 13.0 19.4

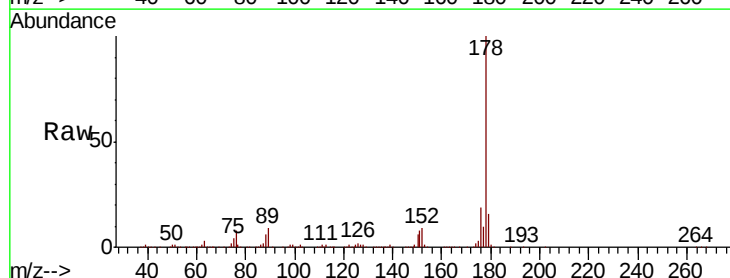


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

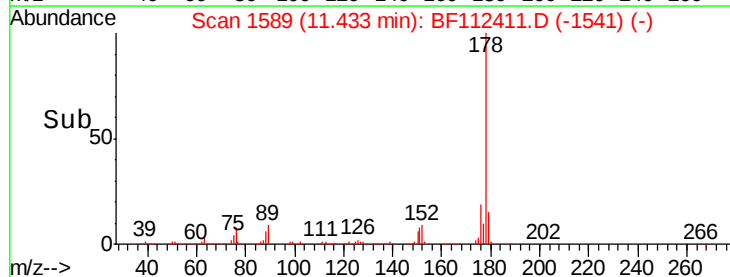
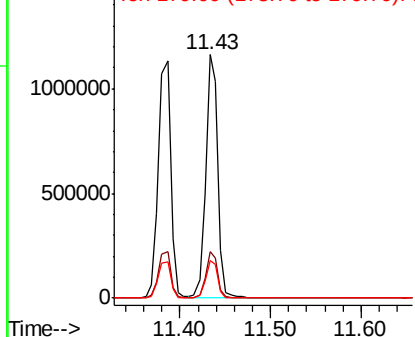


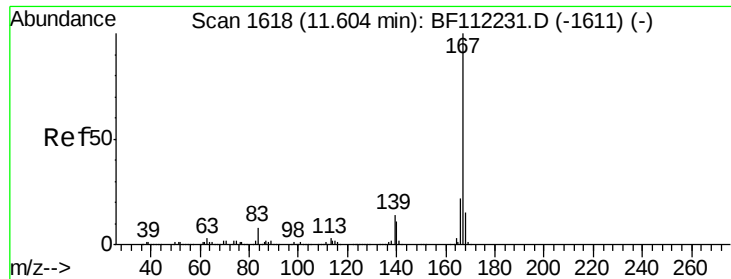
#72
Anthracene
Concen: 51.604 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.02 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion:178 Resp: 1096727
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.5 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

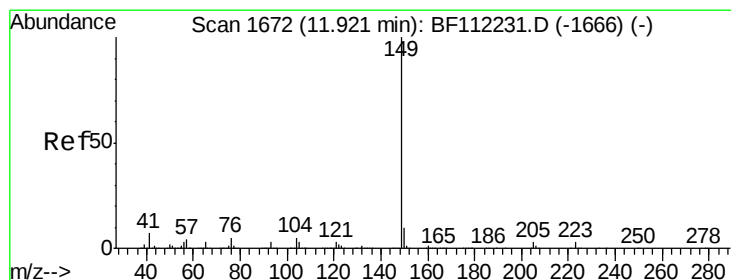
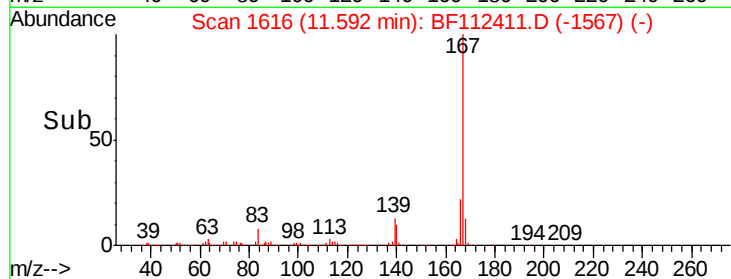
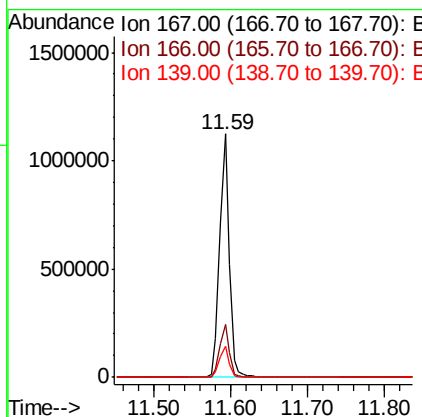
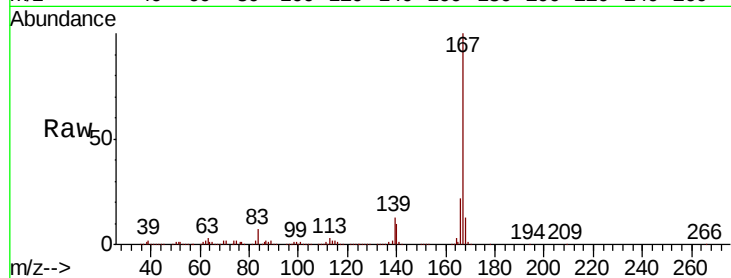




#73
 Carbazole
 Concen: 45.892 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

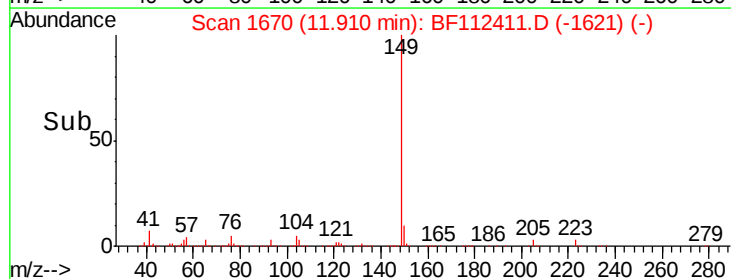
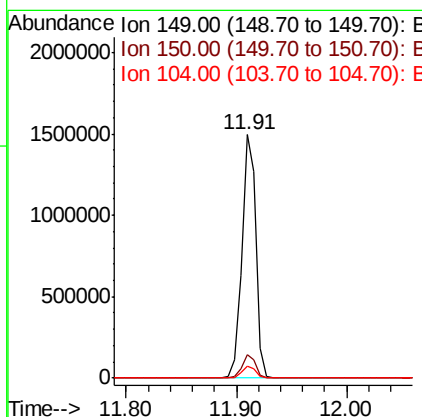
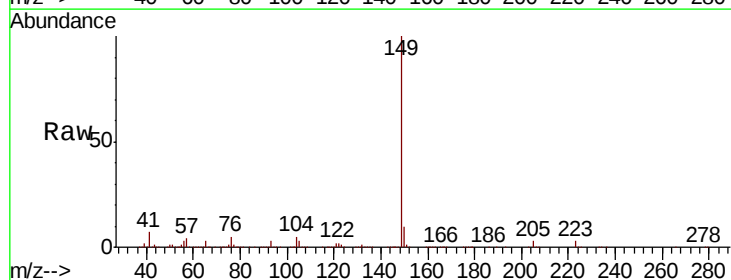
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-AMSD

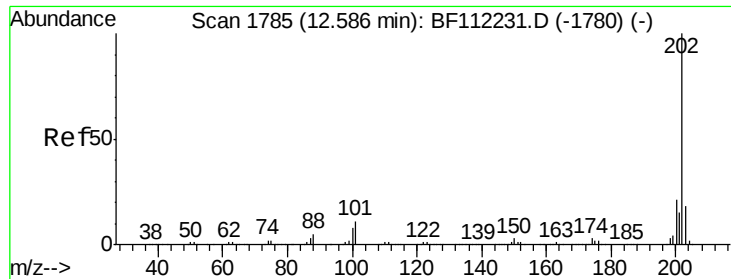
Tgt Ion:167 Resp: 962088
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.9 26.9
 139 13.0 10.2 15.2



#74
 Di-n-butylphthalate
 Concen: 50.575 ng
 RT: 11.91 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Tgt Ion:149 Resp: 1316040
 Ion Ratio Lower Upper
 149 100
 150 9.7 8.1 12.1
 104 5.1 3.9 5.9

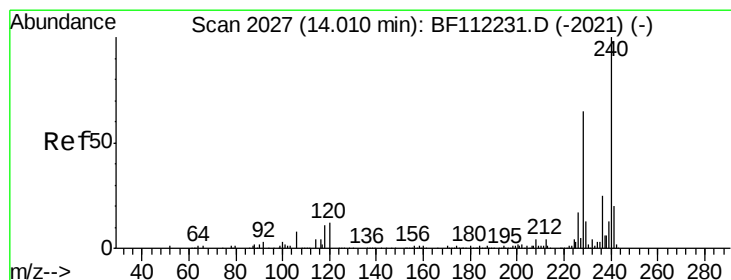
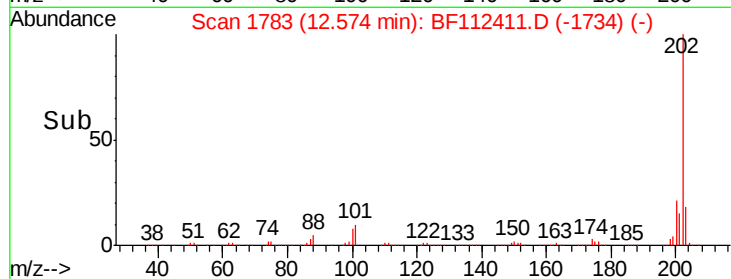
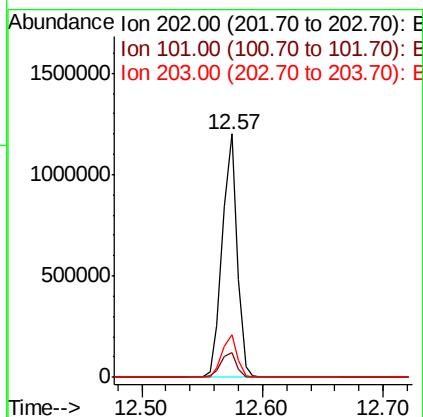
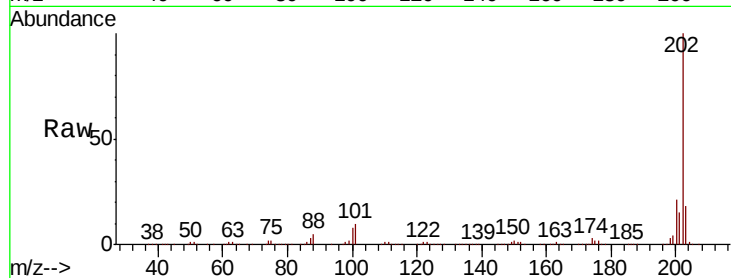




#75
 Fluoranthene
 Concen: 44.673 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

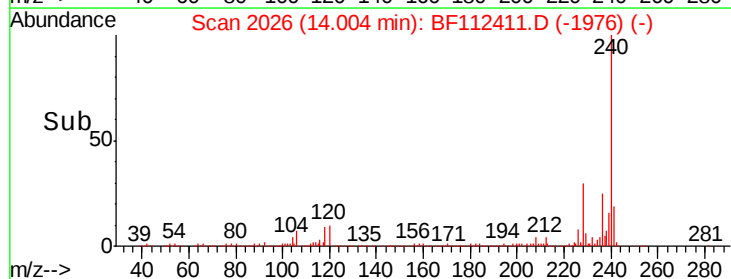
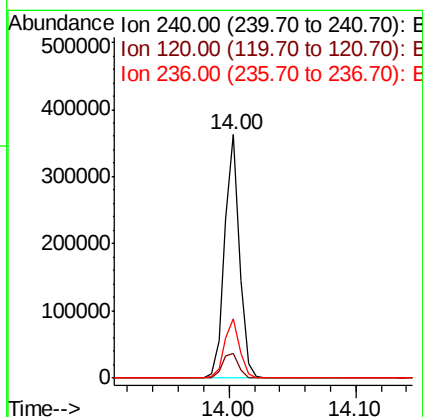
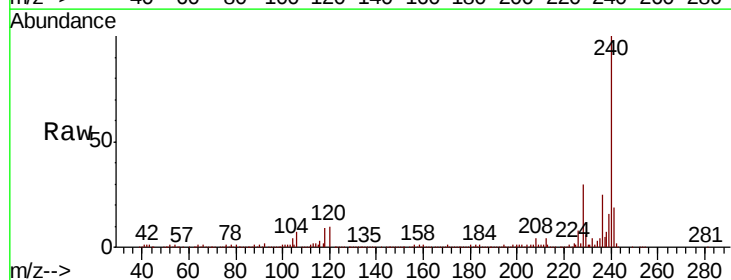
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-AMSD

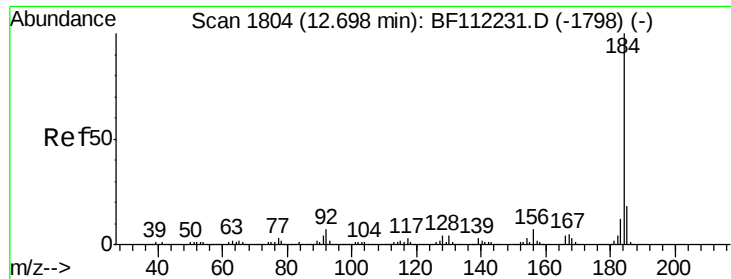
Tgt Ion: 202 Resp: 1022273
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 31.8
 203 17.7 0.0 38.4



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF112411.D
 Acq: 5 Feb 2019 22:16

Tgt Ion: 240 Resp: 296200
 Ion Ratio Lower Upper
 240 100
 120 10.4 9.0 13.6
 236 24.6 20.7 31.1





#77

Benzidine

Concen: 38.743 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-AMSD

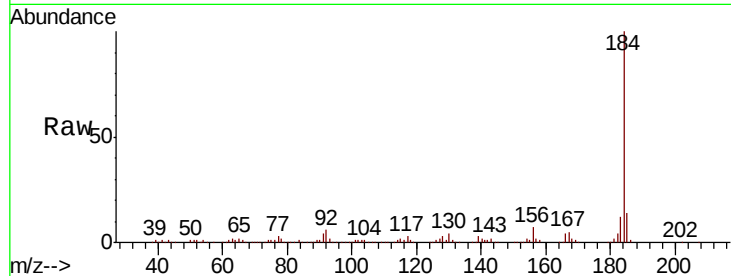
Tgt Ion:184 Resp: 315847

Ion Ratio Lower Upper

184 100

185 13.7 13.9 20.9#

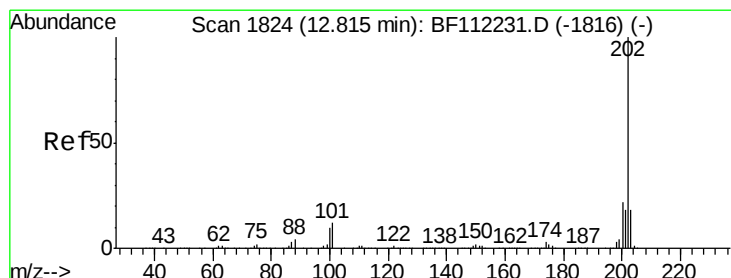
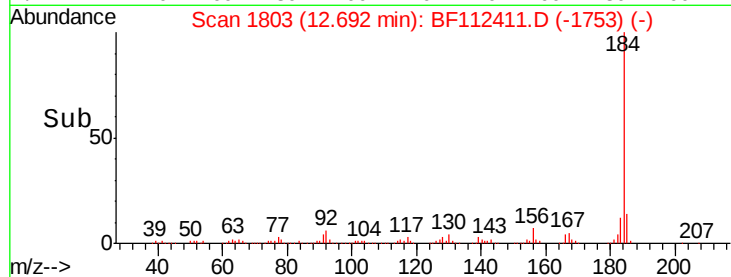
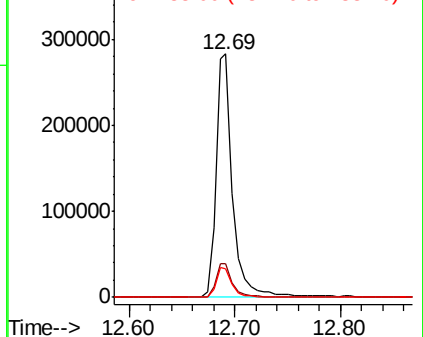
183 11.9 10.0 15.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 49.567 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

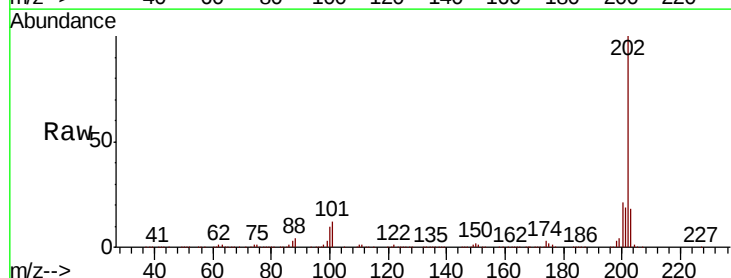
Tgt Ion:202 Resp: 1016484

Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

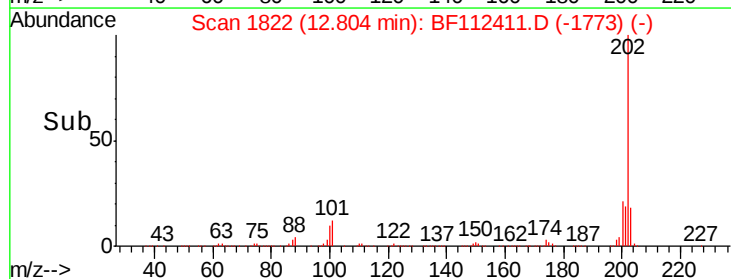
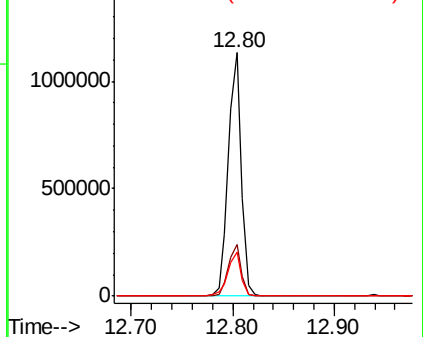
203 18.0 14.6 22.0

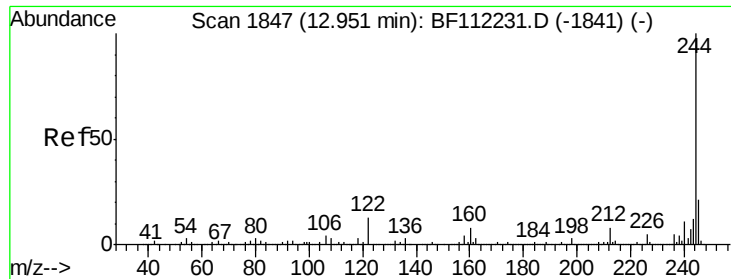


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 91.199 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-AMSD

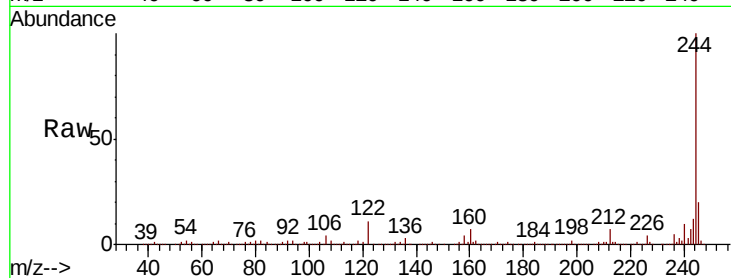
Tgt Ion:244 Resp: 1434243

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

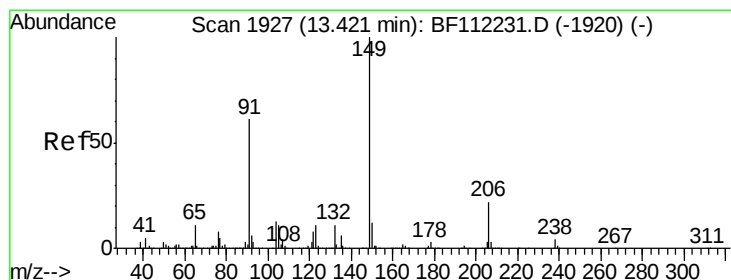
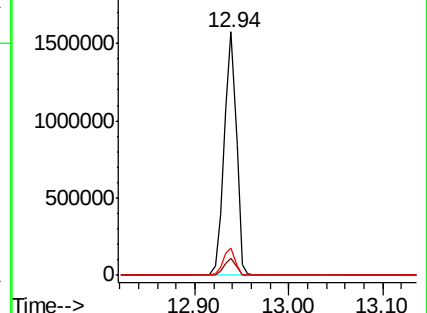
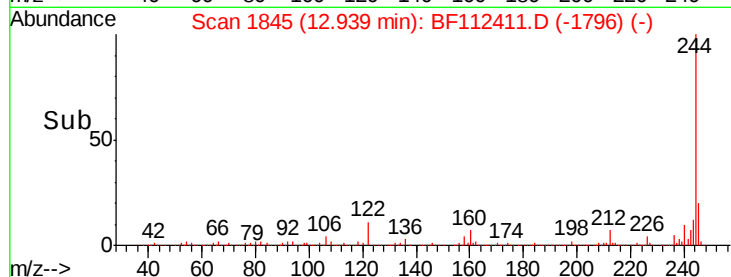
122 11.3 9.8 14.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 48.771 ng

RT: 13.41 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

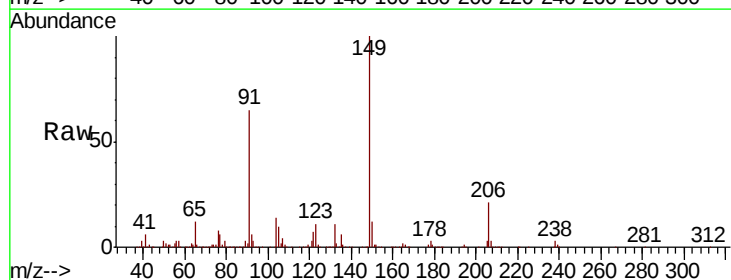
Tgt Ion:149 Resp: 483896

Ion Ratio Lower Upper

149 100

91 64.6 50.3 75.5

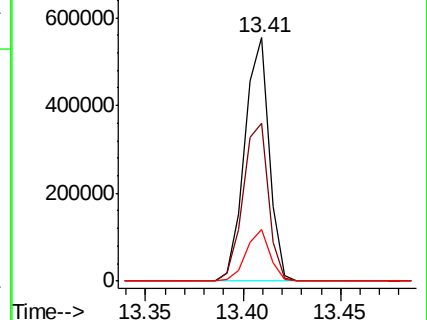
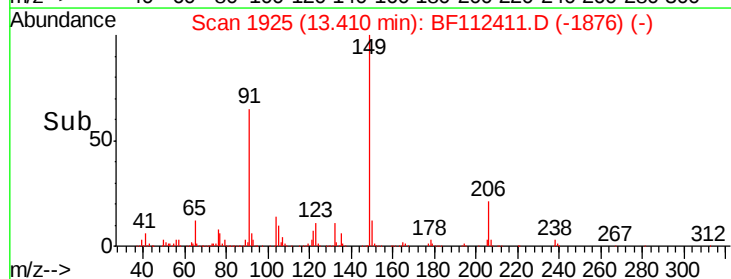
206 21.4 18.2 27.4

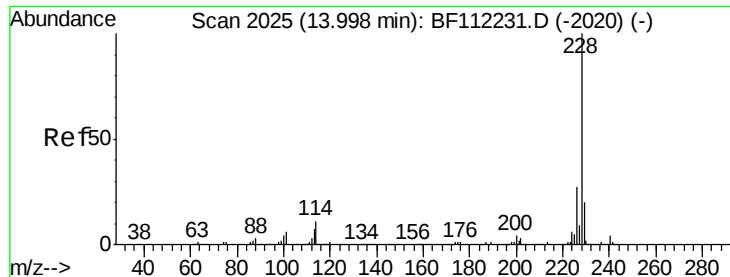


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 49.954 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-AMSD

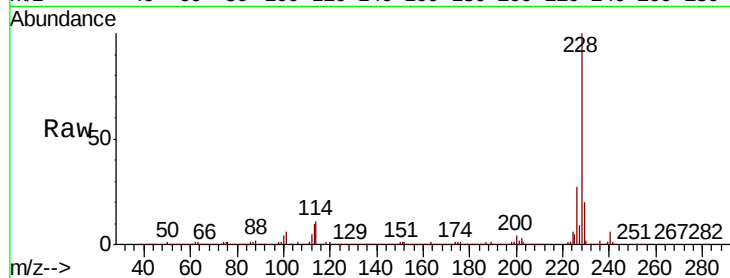
Tgt Ion:228 Resp: 869809

Ion Ratio Lower Upper

228 100

226 27.3 22.6 34.0

229 20.4 16.5 24.7

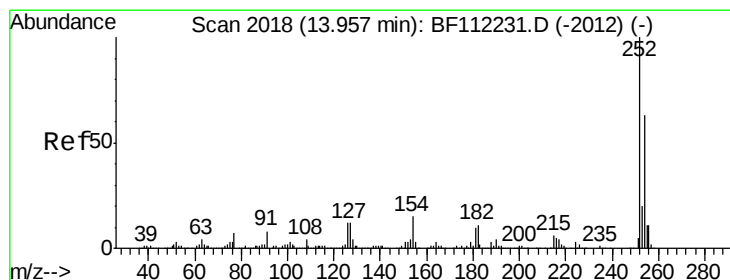
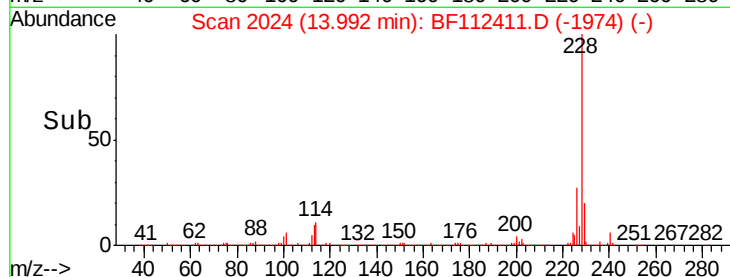
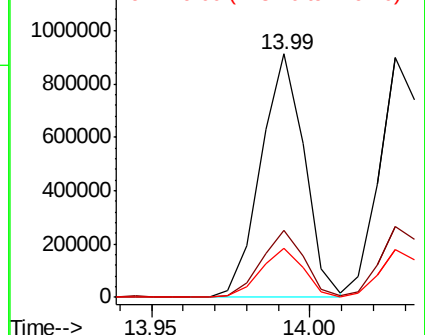


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 33.605 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

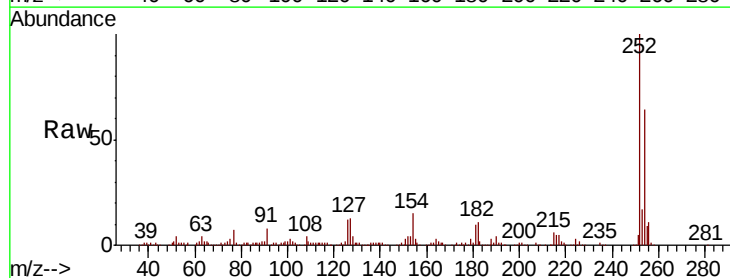
Tgt Ion:252 Resp: 218984

Ion Ratio Lower Upper

252 100

254 63.9 51.6 77.4

126 12.3 8.6 12.8

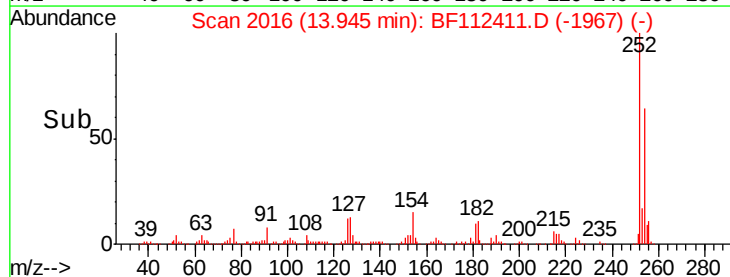
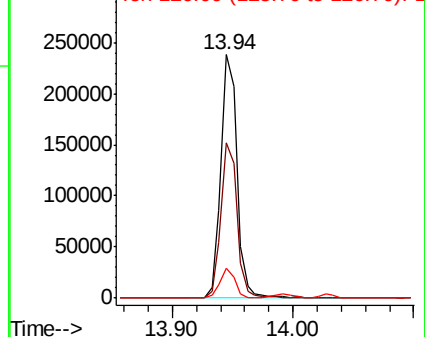


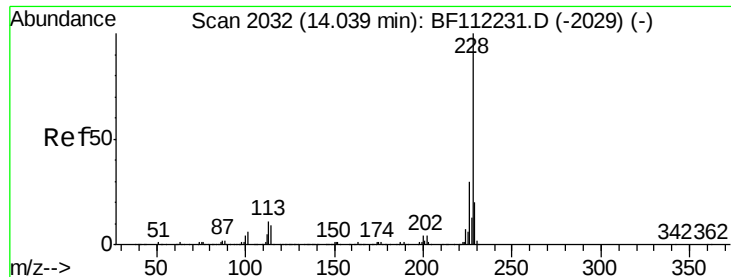
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 49.271 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-AMSD

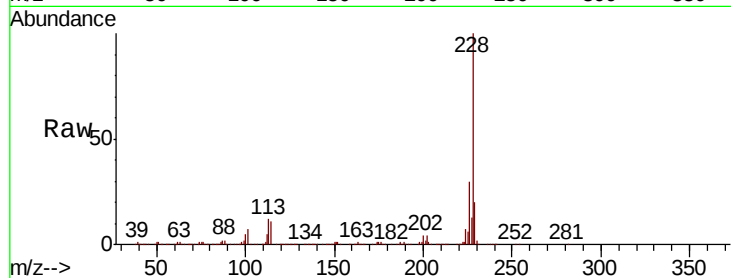
Tgt Ion: 228 Resp: 818918

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.6

229 20.1 16.6 24.8

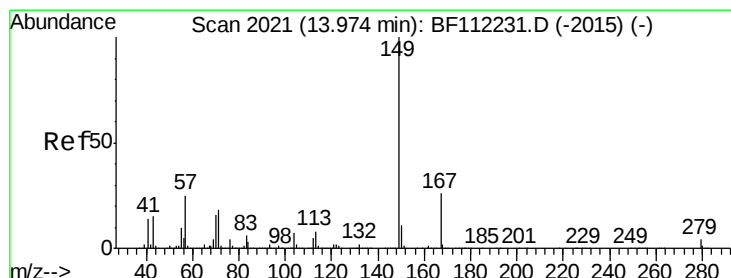
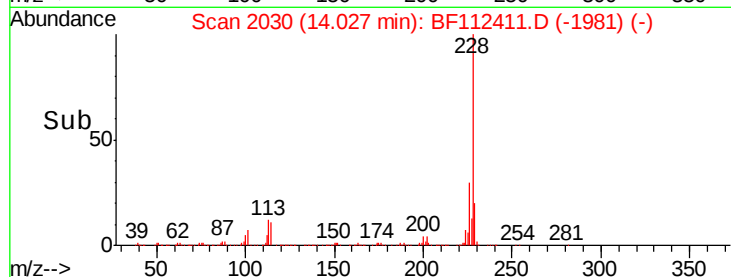
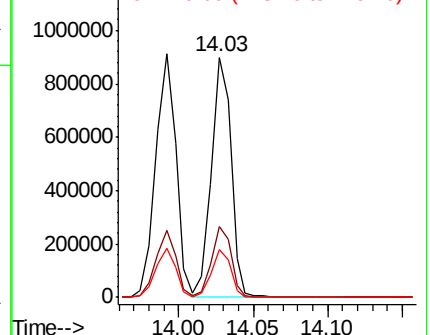


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.661 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

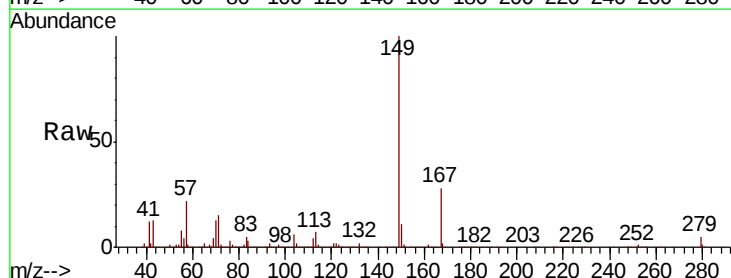
Tgt Ion: 149 Resp: 685332

Ion Ratio Lower Upper

149 100

167 27.6 22.5 33.7

279 4.6 3.8 5.6

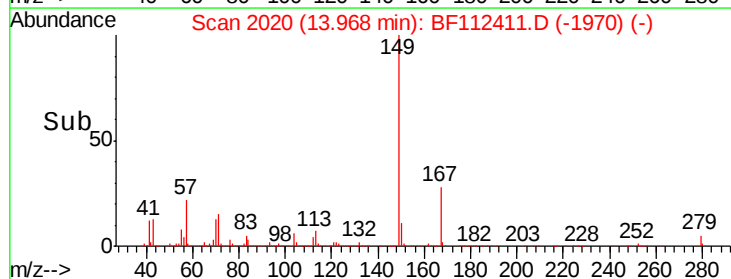
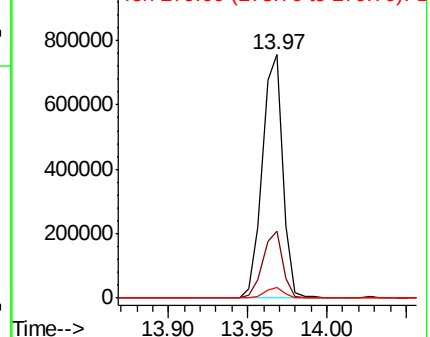


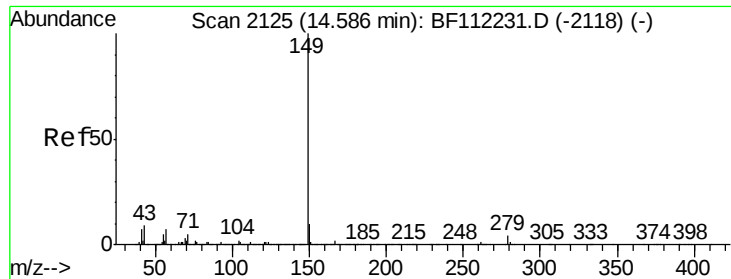
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 50.337 ng

RT: 14.57 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-AMSD

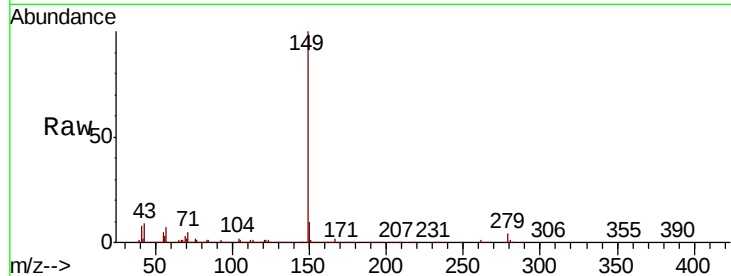
Tgt Ion:149 Resp: 1090713

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

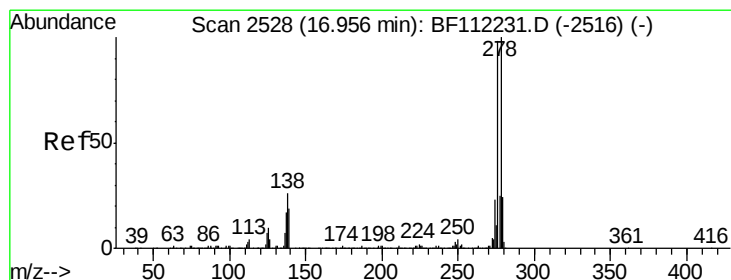
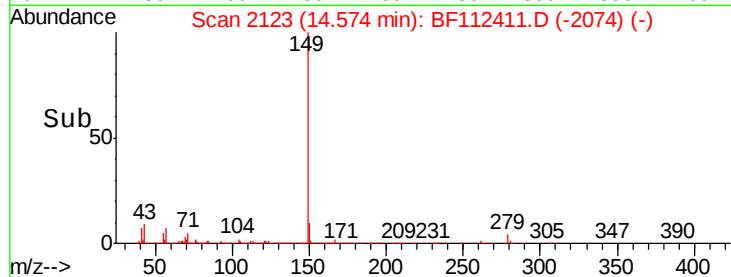
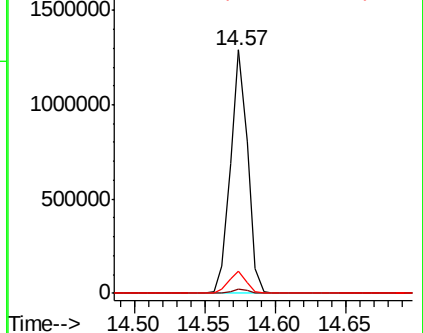
43 8.7 7.8 11.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 48.562 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.00 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

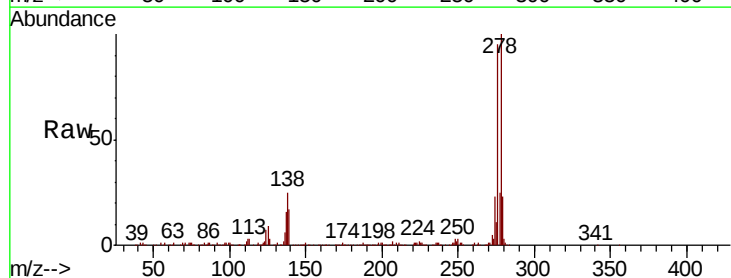
Tgt Ion:276 Resp: 639569

Ion Ratio Lower Upper

276 100

138 26.1 22.6 34.0

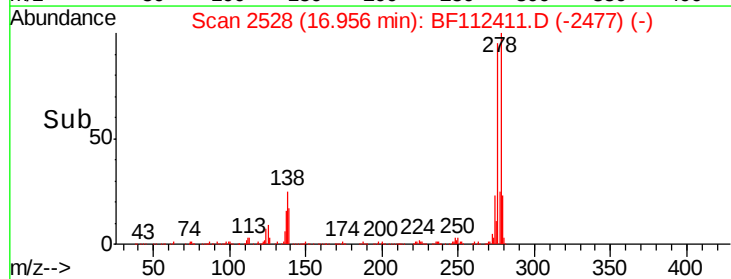
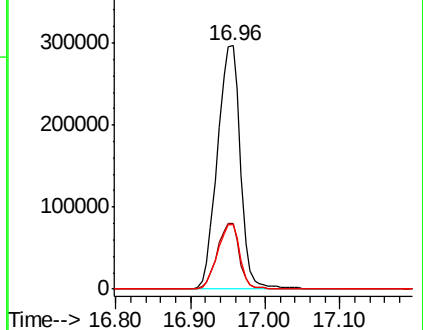
277 25.8 20.3 30.5

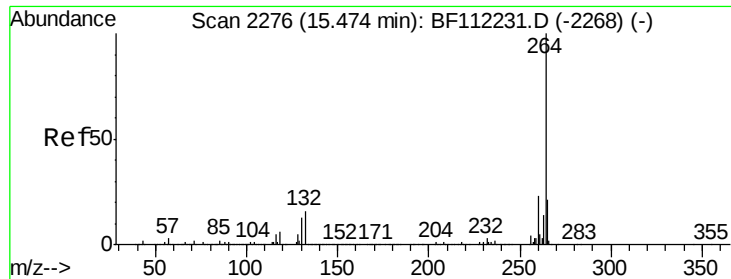


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

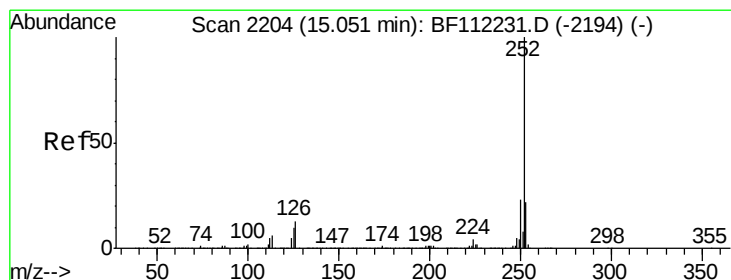
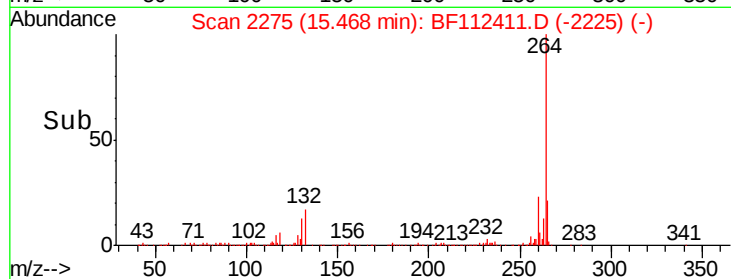
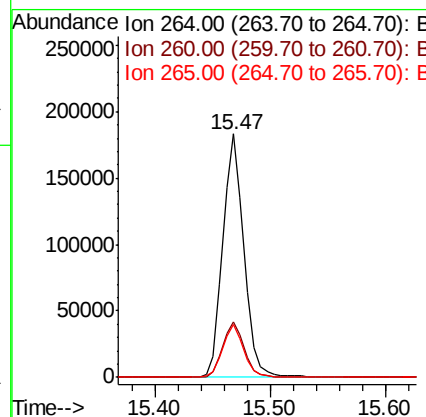
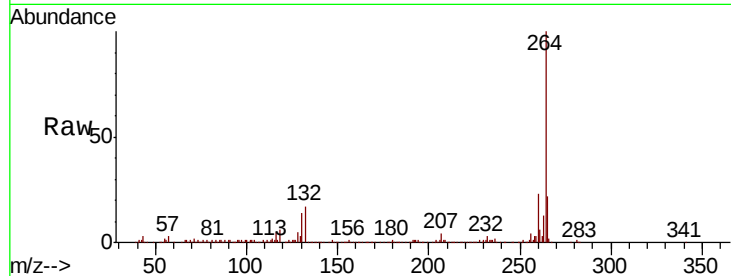




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

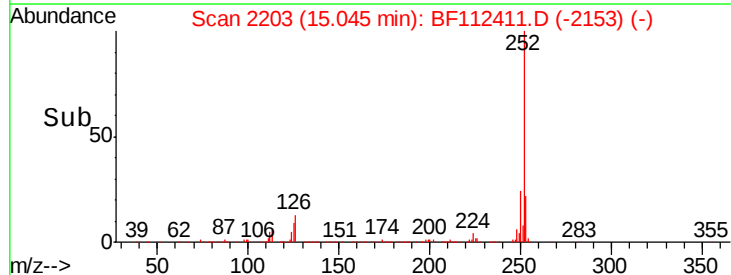
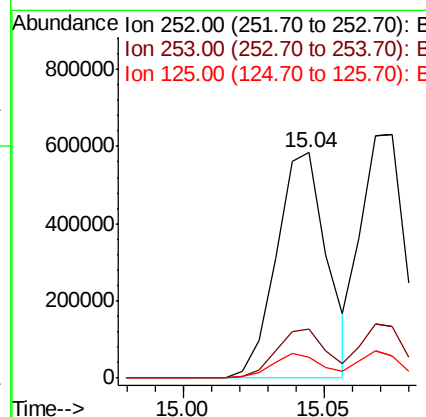
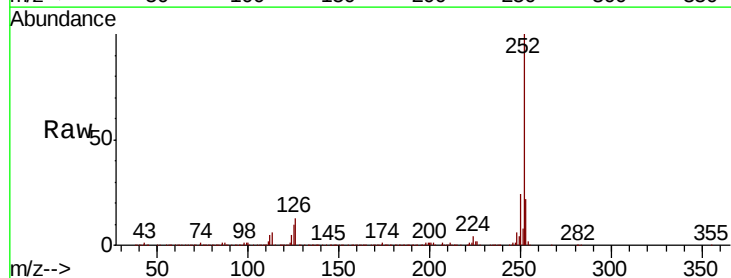
Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

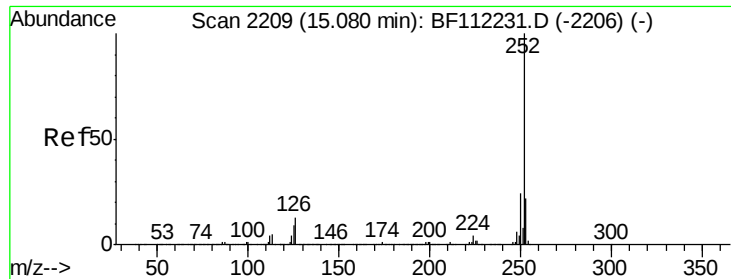
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.2
265	21.5	17.0	25.4



#88
Benzo(b)fluoranthene
Concen: 52.208 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	9.5	8.7	13.1

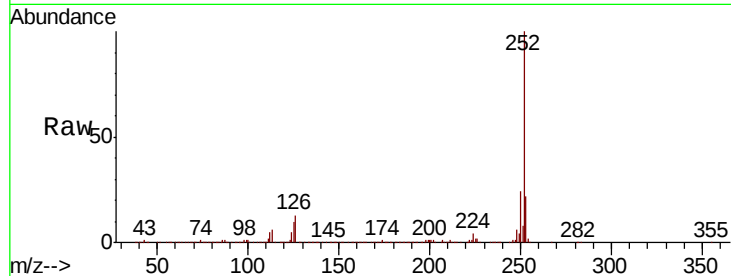




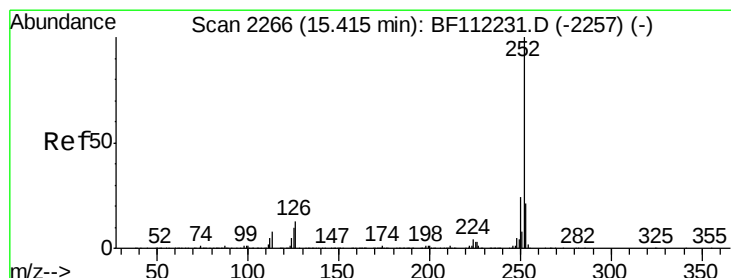
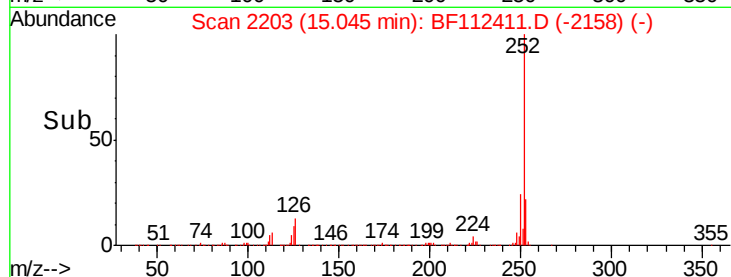
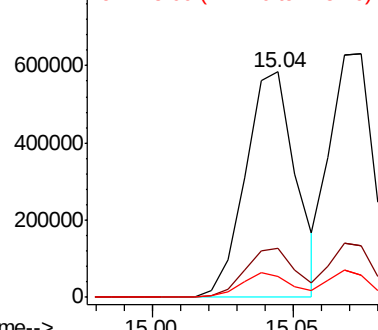
#89
Benzo(k)fluoranthene
Concen: 54.506 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-AMSD

Tgt Ion:252 Resp: 725386
Ion Ratio Lower Upper
252 100
253 22.1 18.0 27.0
125 9.5 9.1 13.7

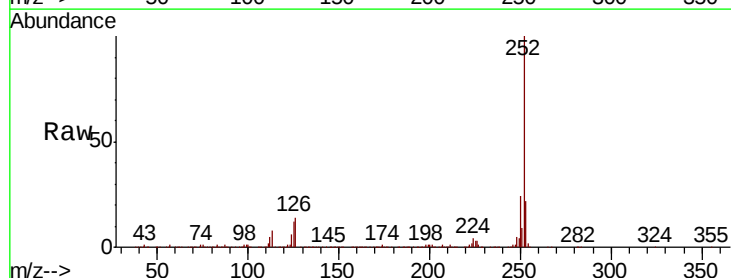


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

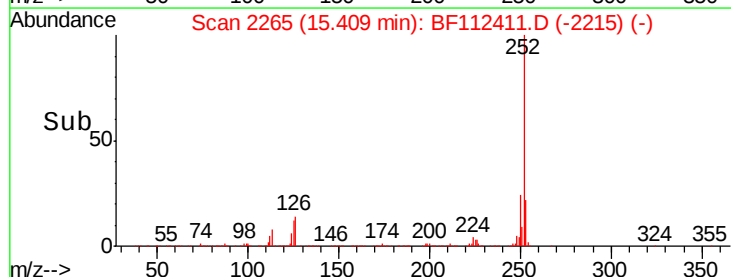
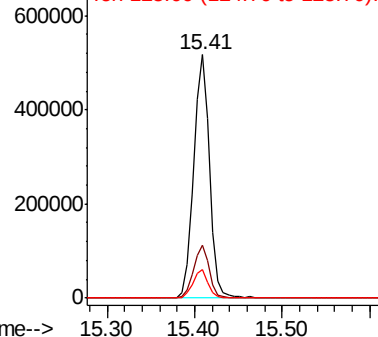


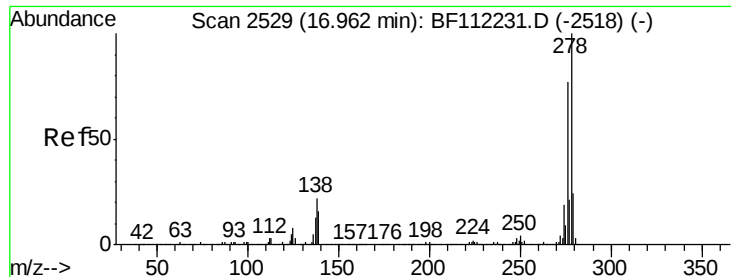
#90
Benzo(a)pyrene
Concen: 51.816 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112411.D
Acq: 5 Feb 2019 22:16

Tgt Ion:252 Resp: 647792
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 11.6 9.0 13.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 53.732 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.01 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-AMSD

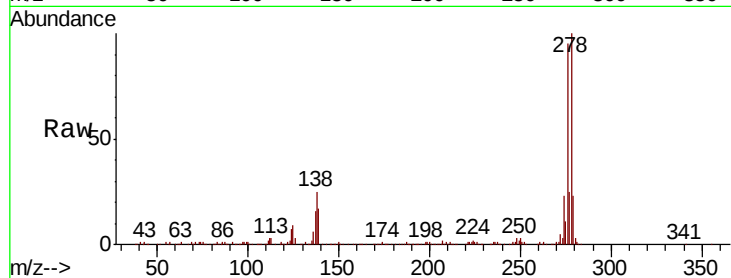
Tgt Ion:278 Resp: 541391

Ion Ratio Lower Upper

278 100

139 16.7 13.7 20.5

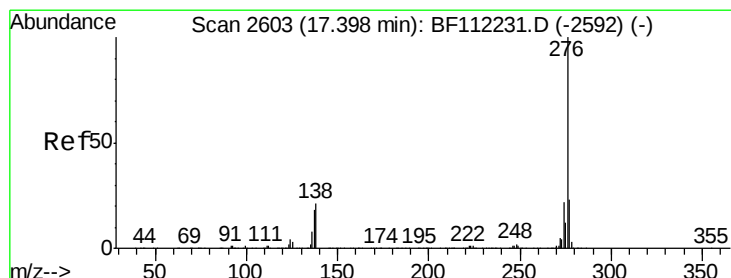
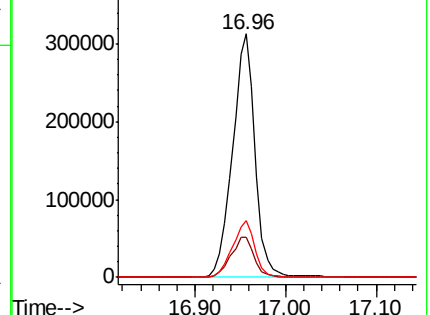
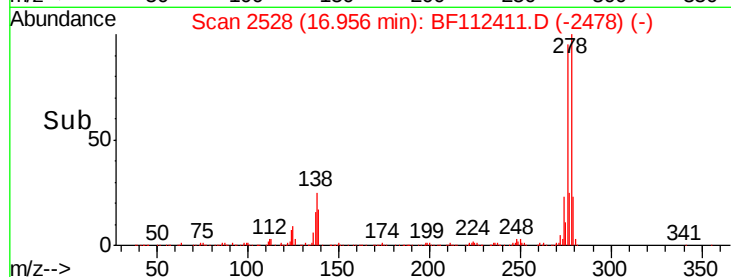
279 23.3 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 54.449 ng

RT: 17.40 min Scan# 2603

Delta R.T. -0.00 min

Lab File: BF112411.D

Acq: 5 Feb 2019 22:16

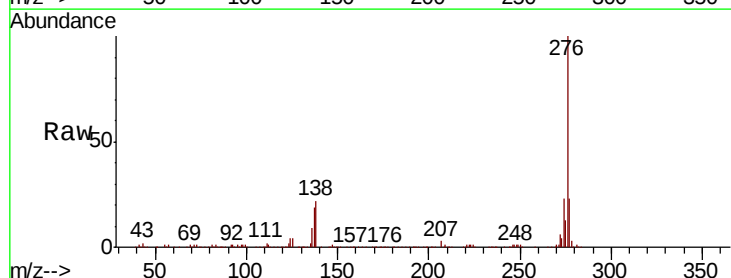
Tgt Ion:276 Resp: 517584

Ion Ratio Lower Upper

276 100

277 23.3 19.4 29.0

138 21.7 19.1 28.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

