

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012919\
 Data File : BF112295.D
 Acq On : 29 Jan 2019 15:16
 Operator : JU/SJ
 Sample : K1008-03MSD 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819MSD

Quant Time: Jan 30 00:07:55 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	6.84	152	178637	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	671515	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	309415	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	516116	20.00	ng	0.00
76) Chrysene-d12	14.00	240	390654	20.00	ng	0.00
87) Perylene-d12	15.47	264	414625	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	740492	88.05	ng	0.00
7) Phenol-d6	6.49	99	907132	77.62	ng	0.00
23) Nitrobenzene-d5	7.40	82	561865	48.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	233528	64.84	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1085218	49.61	ng	-0.01
79) Terphenyl-d14	12.94	244	878626	42.36	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.61	88	85810	25.613	ng	96
3) Pyridine	3.38	79	234834	27.555	ng	99
4) n-Nitrosodimethylamine	3.31	42	111520	31.147	ng	98
6) Aniline	6.50	93	189751	13.649	ng	# 53
8) 2-Chlorophenol	6.63	128	282490	24.969	ng	98
9) Benzaldehyde	6.39	77	197185	32.282	ng	99
10) Phenol	6.50	94	327799	25.567	ng	92
11) bis(2-Chloroethyl)ether	6.57	93	242241	23.999	ng	98
12) 1,3-Dichlorobenzene	6.78	146	309534	23.492	ng	98
13) 1,4-Dichlorobenzene	6.86	146	310379	22.889	ng	99
14) 1,2-Dichlorobenzene	7.01	146	298322	23.497	ng	97
15) Benzyl Alcohol	6.98	79	232504	23.601	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.11	45	310740	23.976	ng	58
17) 2-Methylphenol	7.10	107	212756	23.722	ng	93
18) Hexachloroethane	7.35	117	111039	23.319	ng	95
19) n-Nitroso-di-n-propylamine	7.25	70	185310	22.996	ng	99
20) 3+4-Methylphenols	7.26	107	283620	24.730	ng	# 65
22) Acetophenone	7.25	105	384454	23.512	ng	# 93
24) Nitrobenzene	7.42	77	270126	23.208	ng	99
25) Isophorone	7.66	82	484110	26.479	ng	98
26) 2-Nitrophenol	7.74	139	147382	23.694	ng	97
27) 2,4-Dimethylphenol	7.78	122	232000	27.071	ng	96
28) bis(2-Chloroethoxy)methane	7.86	93	310533	24.944	ng	98
29) 2,4-Dichlorophenol	7.99	162	229251	23.904	ng	98
30) 1,2,4-Trichlorobenzene	8.06	180	258074	23.411	ng	99
31) Naphthalene	8.15	128	813541	25.906	ng	98
32) Benzoic acid	7.78	122	232000	47.459	ng	# 15
33) 4-Chloroaniline	8.19	127	147816	10.810	ng	98
34) Hexachlorobutadiene	8.26	225	140972	21.792	ng	98
35) Caprolactam	8.55	113	72877	21.541	ng	93
36) 4-Chloro-3-methylphenol	8.69	107	225579	22.219	ng	99
37) 2-Methylnaphthalene	8.83	142	565012	26.282	ng	98
38) 1-Methylnaphthalene	8.93	142	525045	25.481	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	244978	24.114	ng	99

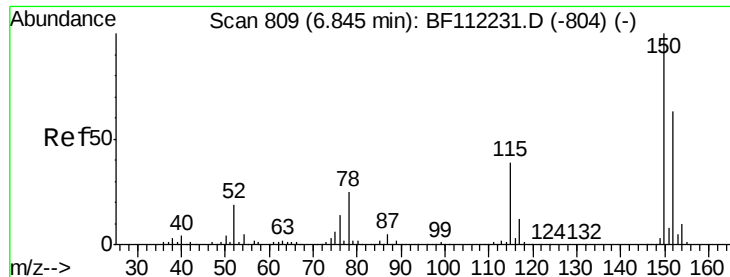
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012919\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	41116	18.914	ng	96
43) 2,4,6-Trichlorophenol	9.12	196	155642	24.854	ng	98
44) 2,4,5-Trichlorophenol	9.17	196	158069	24.152	ng	94
46) 1,1'-Biphenyl	9.30	154	661751	24.464	ng	98
47) 2-Chloronaphthalene	9.32	162	491597	23.436	ng	97
48) 2-Nitroaniline	9.42	65	132829	23.233	ng	99
49) Acenaphthylene	9.74	152	790024	25.696	ng	98
50) Dimethylphthalate	9.59	163	637101	26.502	ng	99
51) 2,6-Dinitrotoluene	9.66	165	124811	23.182	ng #	84
52) Acenaphthene	9.91	154	446014	24.284	ng	100
53) 3-Nitroaniline	9.83	138	94490	16.199	ng	96
54) 2,4-Dinitrophenol	9.95	184	24191	14.000	ng	91
55) Dibenzofuran	10.08	168	672215	23.950	ng	96
56) 4-Nitrophenol	10.01	139	125284	40.626	ng	91
57) 2,4-Dinitrotoluene	10.07	165	158960	23.191	ng	96
58) Fluorene	10.42	166	551941	26.279	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.21	232	115250	23.302	ng #	96
60) Diethylphthalate	10.29	149	565891	23.720	ng	100
61) 4-Chlorophenyl-phenylether	10.41	204	254295	22.258	ng	92
62) 4-Nitroaniline	10.44	138	113003	19.751	ng	98
63) Azobenzene	10.57	77	464980	22.161	ng	94
65) 4,6-Dinitro-2-methylphenol	10.48	198	35712	12.341	ng	84
66) n-Nitrosodiphenylamine	10.53	169	464791	26.720	ng	99
67) 4-Bromophenyl-phenylether	10.90	248	147826	24.352	ng	94
68) Hexachlorobenzene	10.98	284	151996	23.339	ng	97
69) Atrazine	11.06	200	144005	25.657	ng	97
70) Pentachlorophenol	11.18	266	96270	37.990	ng	98
71) Phenanthrene	11.39	178	913256	34.036	ng	98
72) Anthracene	11.44	178	763625	28.570	ng	98
73) Carbazole	11.59	167	603506	22.890	ng	98
74) Di-n-butylphthalate	11.92	149	793165	24.237	ng	97
75) Fluoranthene	12.58	202	907031	31.517	ng	98
77) Benzidine	12.70	184	319916	29.754	ng	97
78) Pyrene	12.81	202	941611	34.814	ng	98
80) Butylbenzylphthalate	13.42	149	288573	22.053	ng	99
81) Benzo(a)anthracene	13.99	228	707095	30.791	ng	99
82) 3,3'-Dichlorobenzidine	13.95	252	98351	11.444	ng	94
83) Chrysene	14.03	228	675940	30.835	ng	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	399971	21.533	ng #	97
85) Di-n-octyl phthalate	14.58	149	676467	23.671	ng	98
86) Indeno(1,2,3-cd)pyrene	16.95	276	610254	35.133	ng	97
88) Benzo(b)fluoranthene	15.04	252	713513	28.775	ng	99
89) Benzo(k)fluoranthene	15.07	252	657922	27.700	ng	99
90) Benzo(a)pyrene	15.41	252	703494	31.530	ng	98
91) Dibenzo(a,h)anthracene	16.96	278	473074	26.308	ng	99
92) Benzo(g,h,i)perylene	17.40	276	481450	28.379	ng	98

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

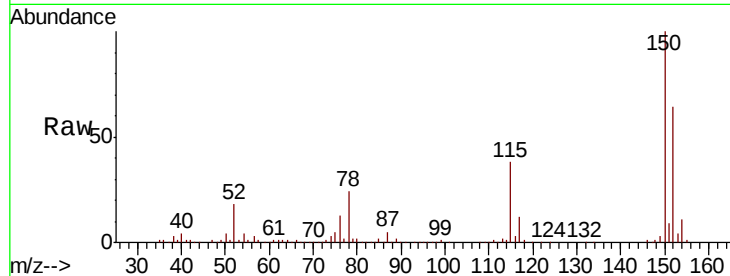


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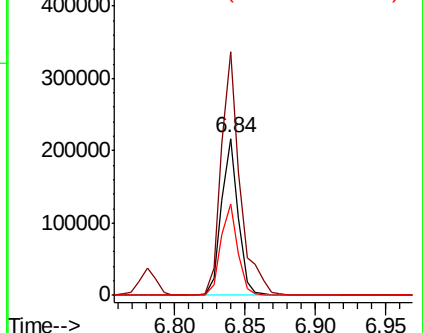
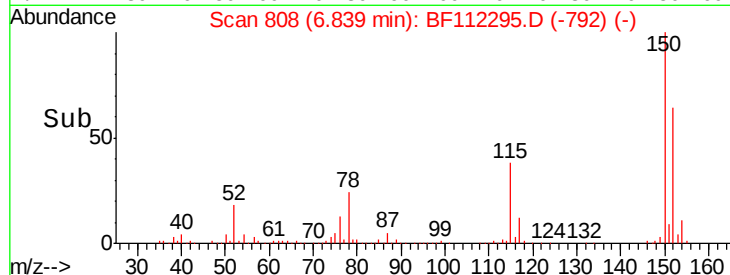
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tgt Ion: 152 Resp: 178637
Ion Ratio Lower Upper
152 100
150 155.3 127.4 191.0
115 58.4 45.5 68.3



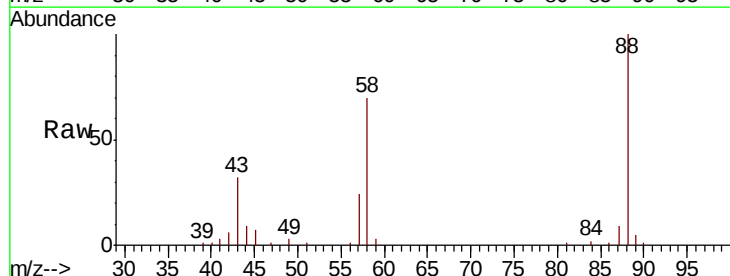
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



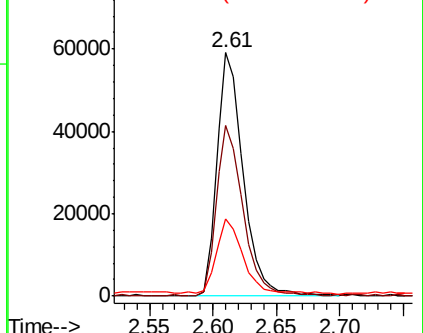
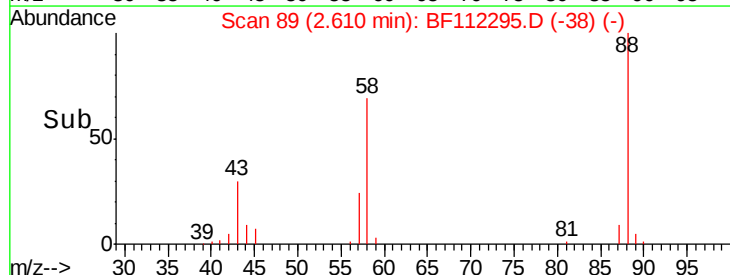
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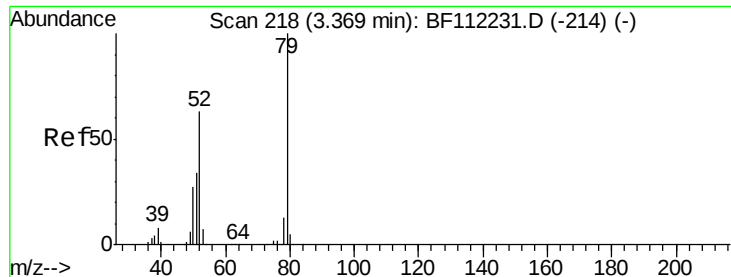
1,4-Dioxane
Concen: 25.613 ng
RT: 2.61 min Scan# 89
Delta R.T. 0.00 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion: 88 Resp: 85810
Ion Ratio Lower Upper
88 100
58 70.5 57.4 86.2
43 32.3 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: 27.555 ng

RT: 3.38 min Scan# 220

Delta R.T. 0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

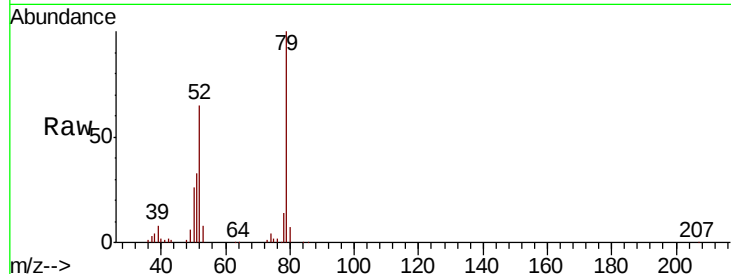
Tgt Ion: 79 Resp: 234834

Ion Ratio Lower Upper

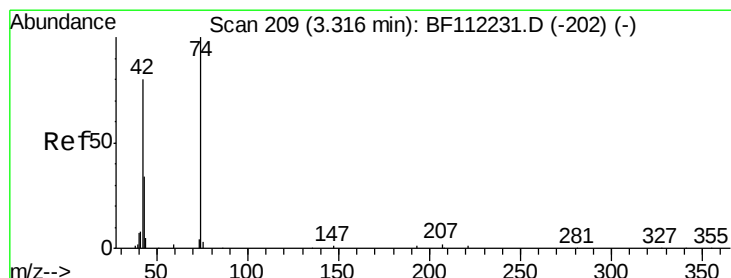
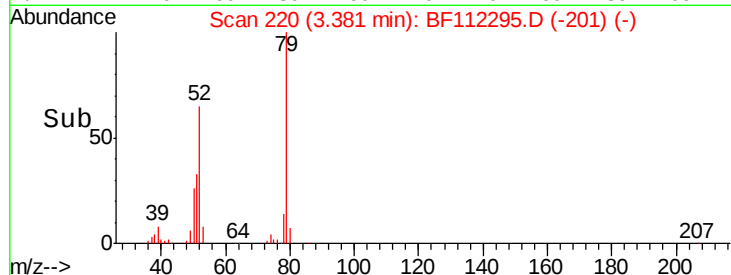
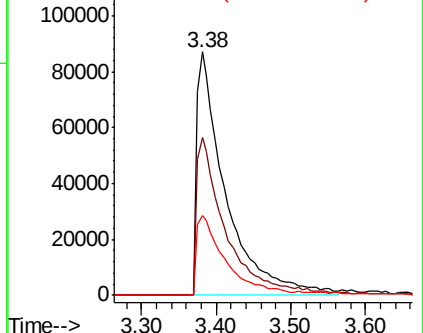
79 100

52 65.0 52.4 78.6

51 32.8 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: 31.147 ng

RT: 3.31 min Scan# 208

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

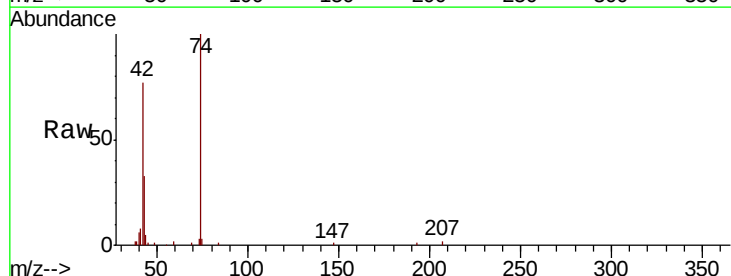
Tgt Ion: 42 Resp: 111520

Ion Ratio Lower Upper

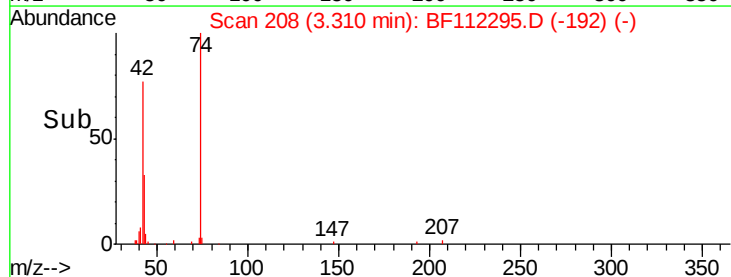
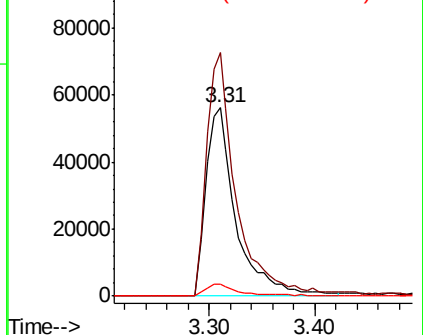
42 100

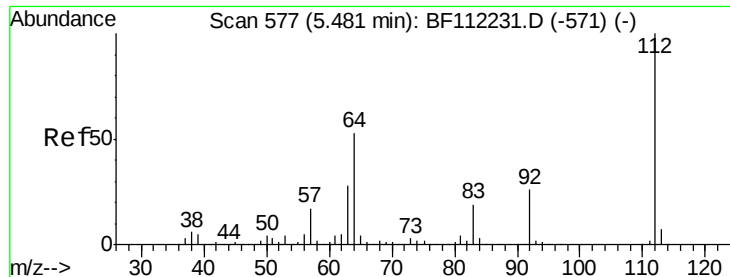
74 129.2 105.6 158.4

44 6.3 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: 88.047 ng

RT: 5.47 min Scan# 576

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

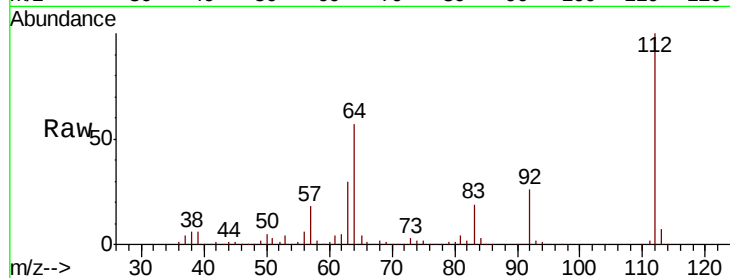
Tgt Ion: 112 Resp: 740492

Ion Ratio Lower Upper

112 100

64 56.7 45.7 68.5

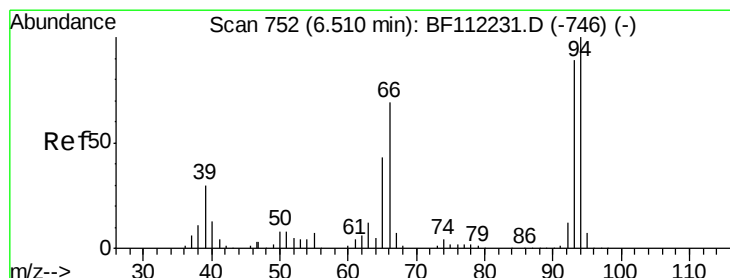
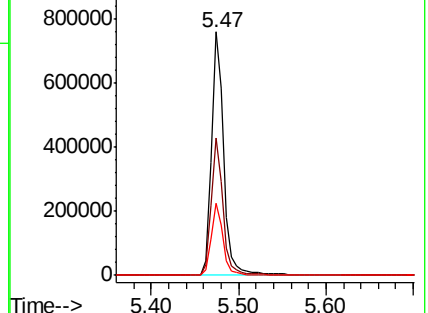
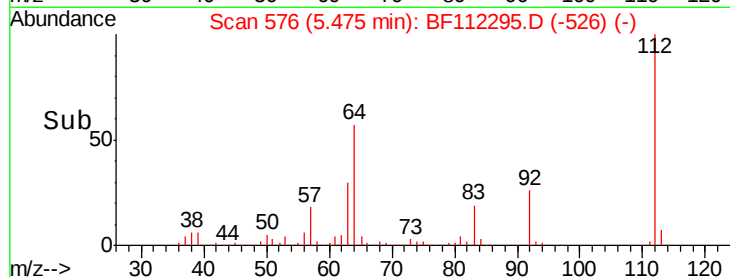
63 29.5 23.6 35.4



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: 13.649 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

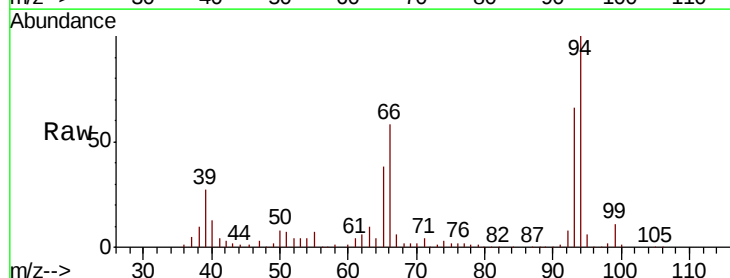
Tgt Ion: 93 Resp: 189751

Ion Ratio Lower Upper

93 100

66 88.1 43.4 65.2#

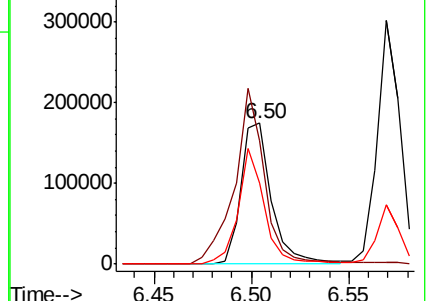
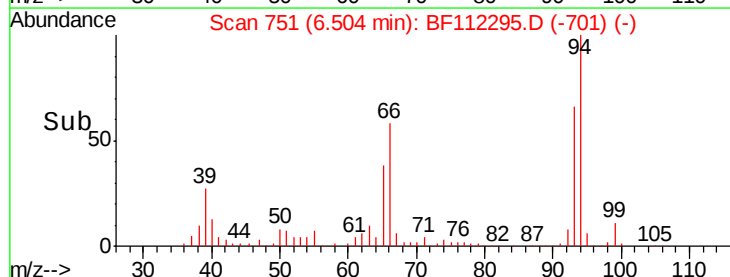
65 57.9 25.3 37.9#

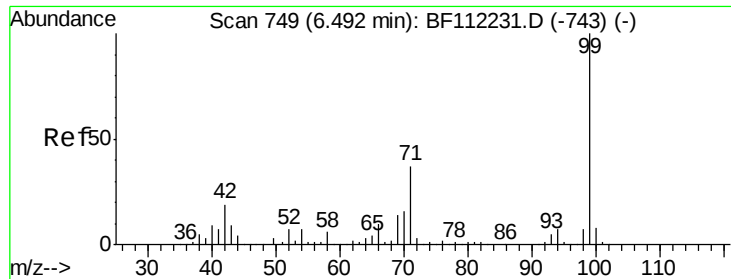


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 77.623 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112295.D

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Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

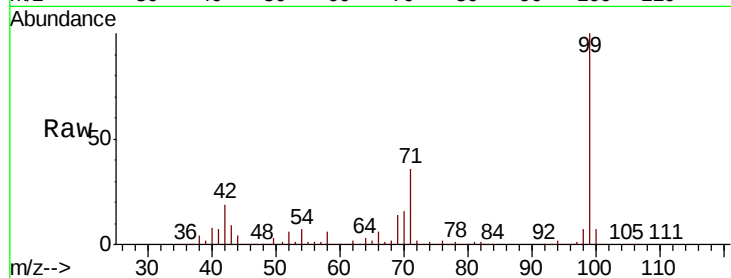
Tgt Ion: 99 Resp: 907132

Ion Ratio Lower Upper

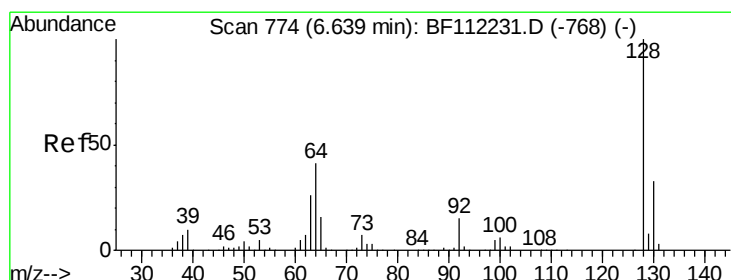
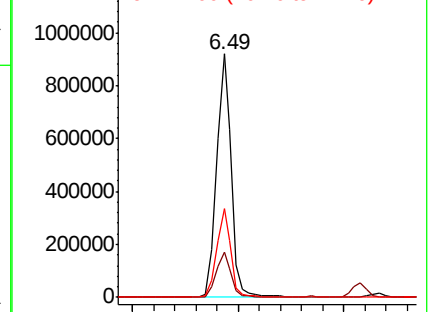
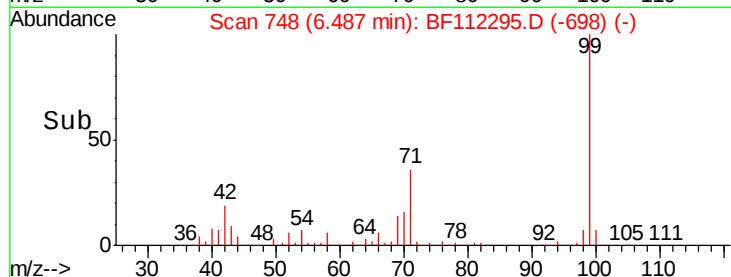
99 100

42 18.5 15.1 22.7

71 36.3 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: 24.969 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

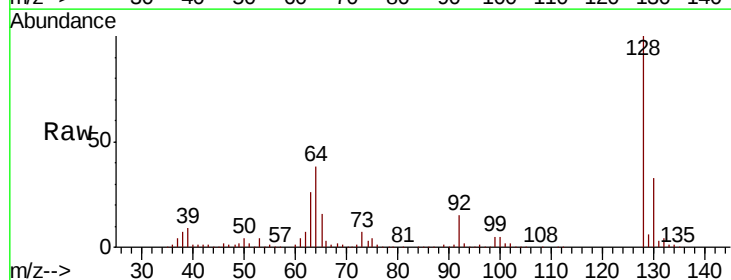
Tgt Ion: 128 Resp: 282490

Ion Ratio Lower Upper

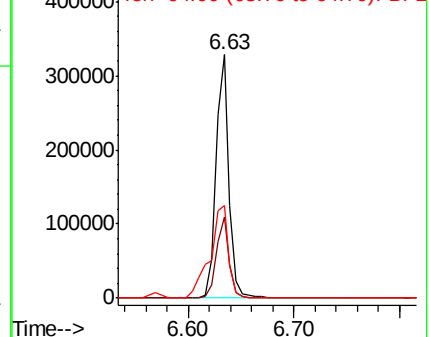
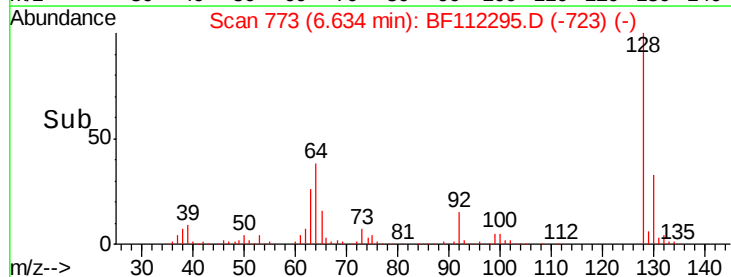
128 100

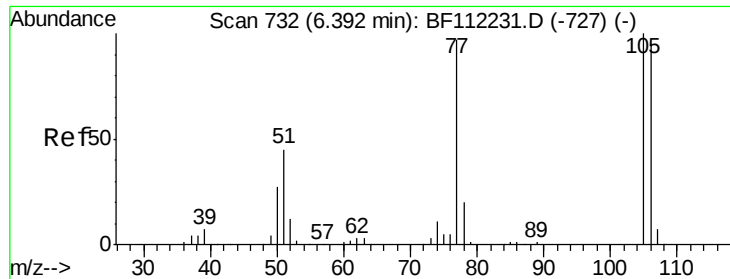
130 33.2 13.4 53.4

64 38.3 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

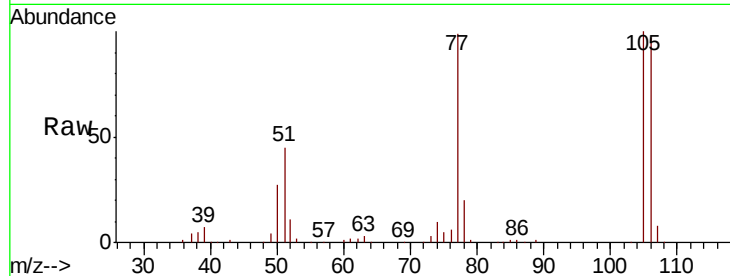




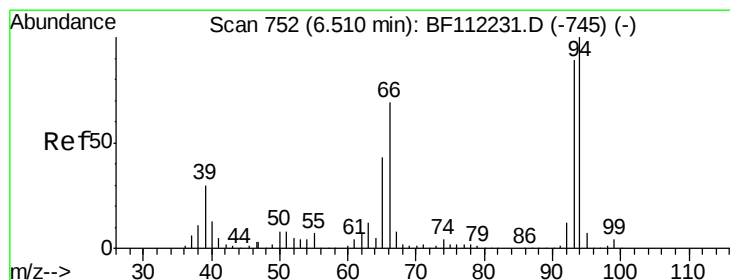
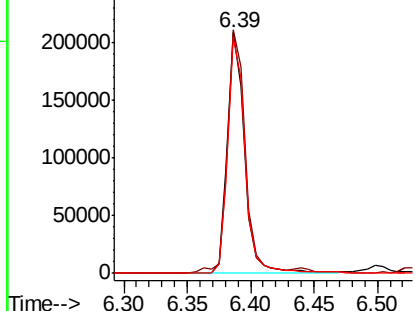
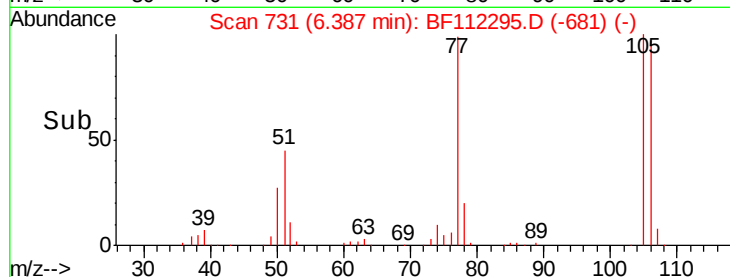
#9
Benzaldehyde
Concen: 32.282 ng
RT: 6.39 min Scan# 731
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tgt Ion: 77 Resp: 197185
Ion Ratio Lower Upper
77 100
105 101.1 80.8 120.8
106 97.8 75.7 115.7

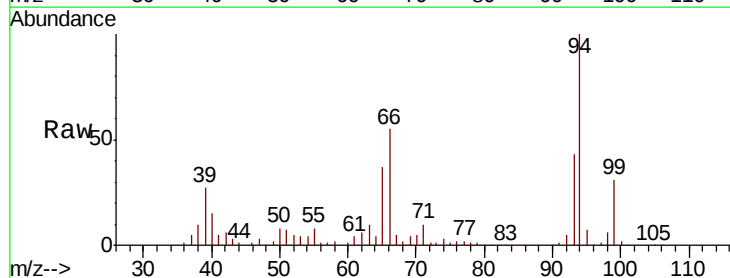


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

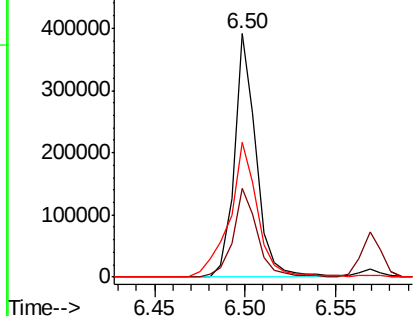
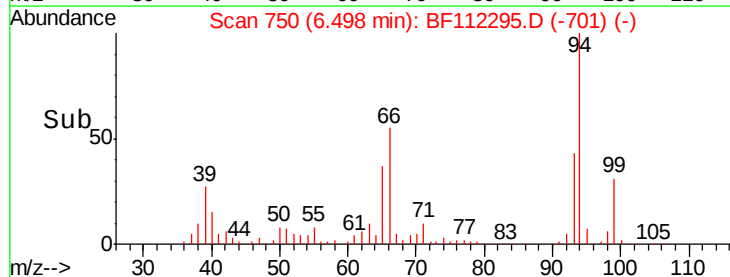


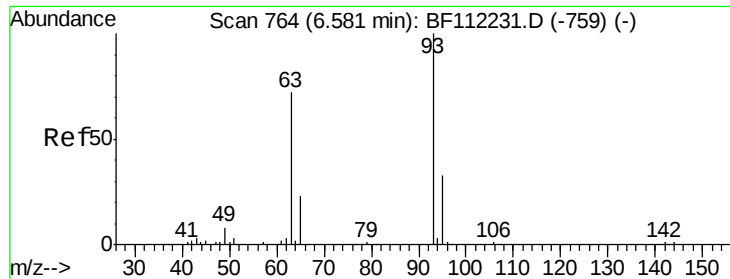
#10
Phenol
Concen: 25.567 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion: 94 Resp: 327799
Ion Ratio Lower Upper
94 100
65 36.7 20.3 60.3
66 55.5 42.4 82.4



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

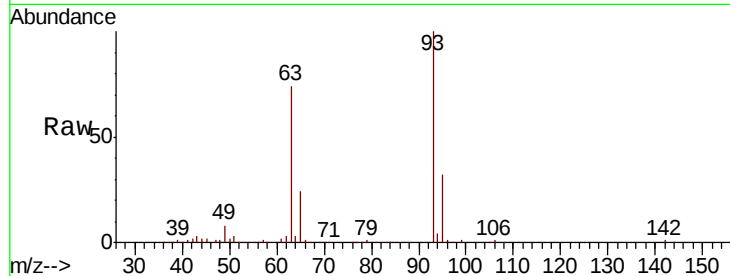




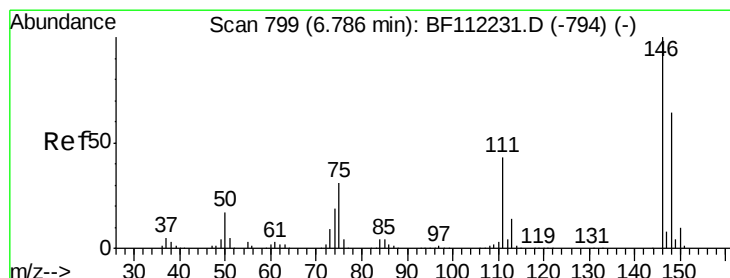
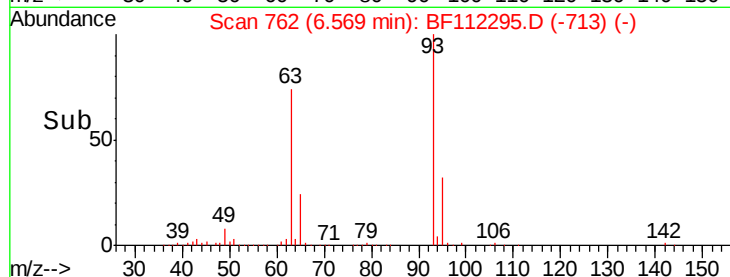
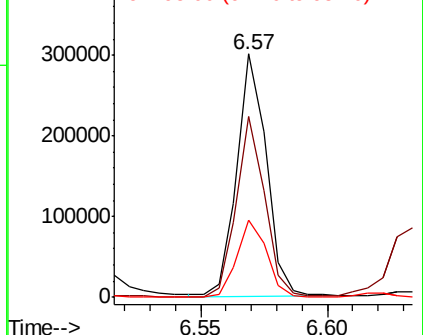
#11
bis(2-Chloroethyl)ether
Concen: 23.999 ng
RT: 6.57 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tgt Ion: 93 Resp: 242241
Ion Ratio Lower Upper
93 100
63 74.4 53.3 93.3
95 31.9 13.4 53.4

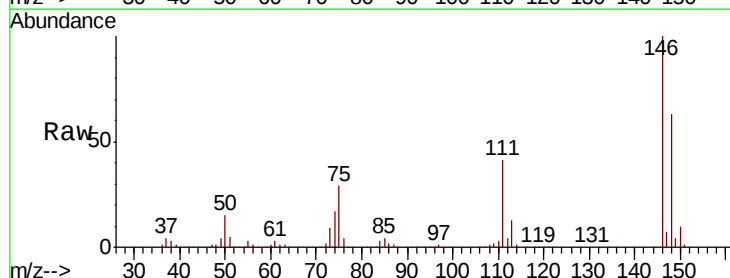


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

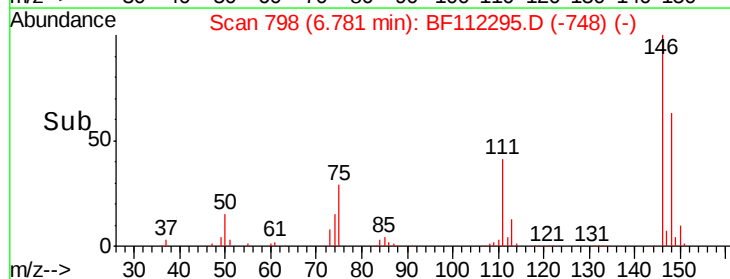
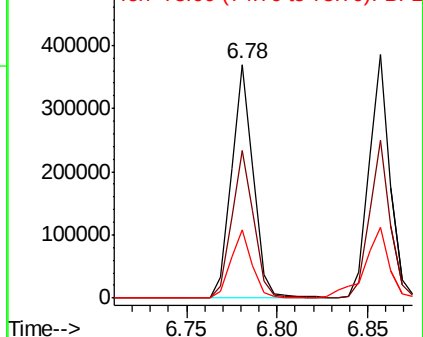


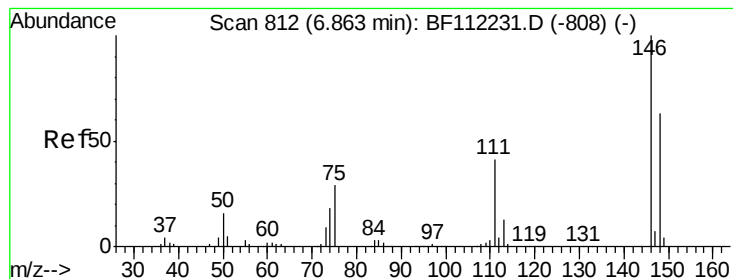
#12
1,3-Dichlorobenzene
Concen: 23.492 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion: 146 Resp: 309534
Ion Ratio Lower Upper
146 100
148 63.2 51.8 77.8
75 29.1 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: 22.889 ng

RT: 6.86 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

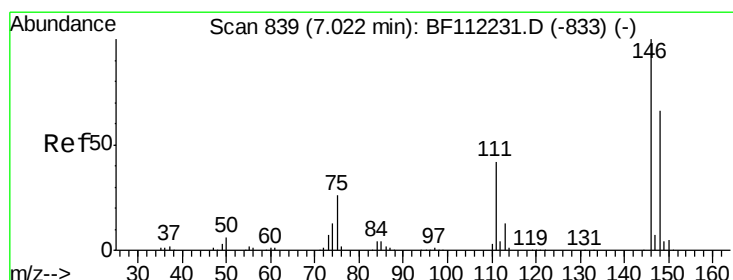
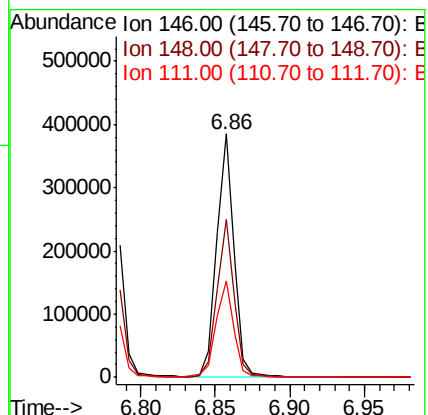
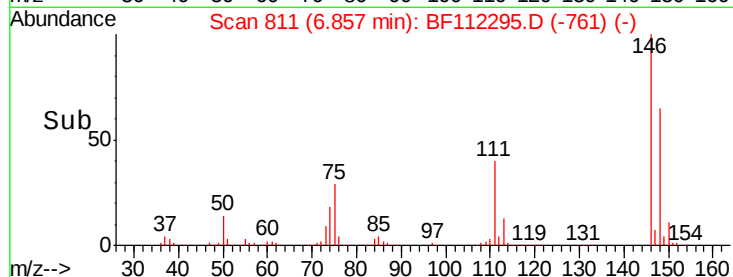
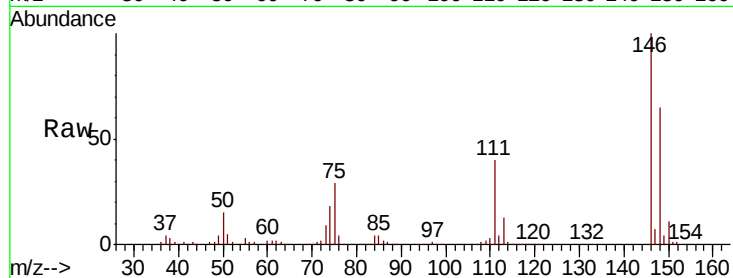
Tgt Ion:146 Resp: 310379

Ion Ratio Lower Upper

146 100

148 64.8 52.0 78.0

111 39.6 31.2 46.8



#14

1,2-Dichlorobenzene

Concen: 23.497 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

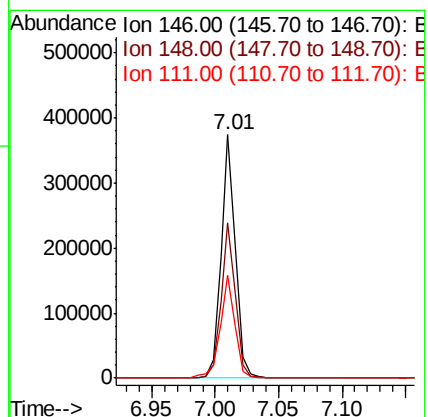
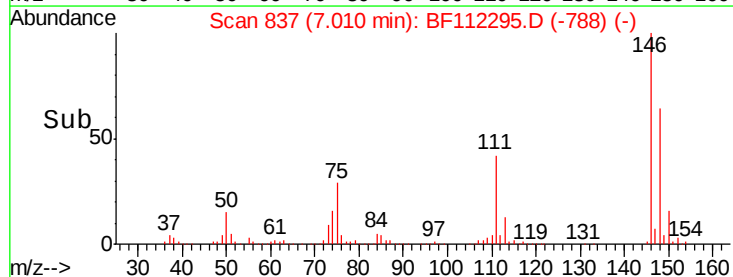
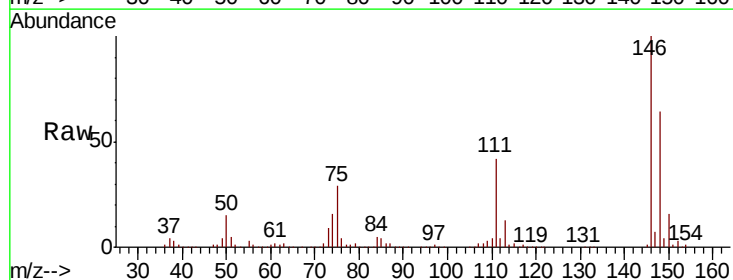
Tgt Ion:146 Resp: 298322

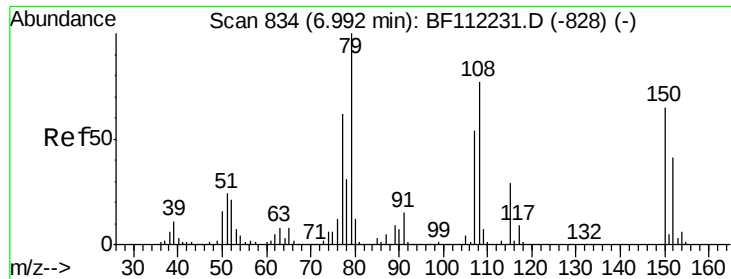
Ion Ratio Lower Upper

146 100

148 63.7 52.2 78.4

111 42.0 31.2 46.8

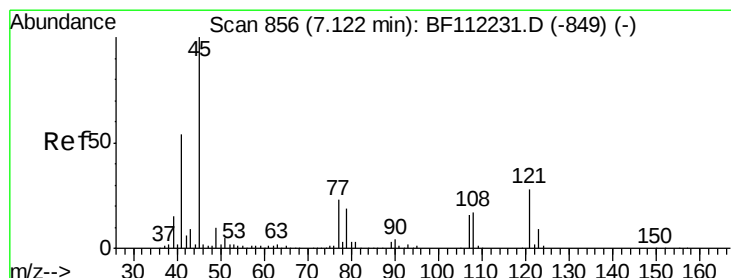
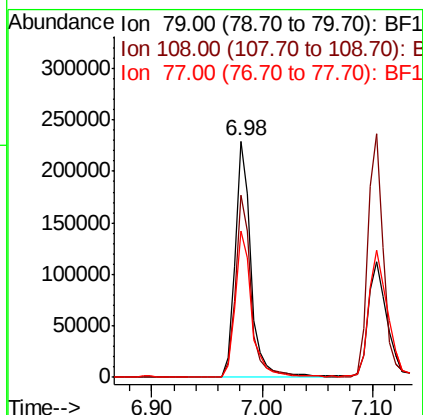
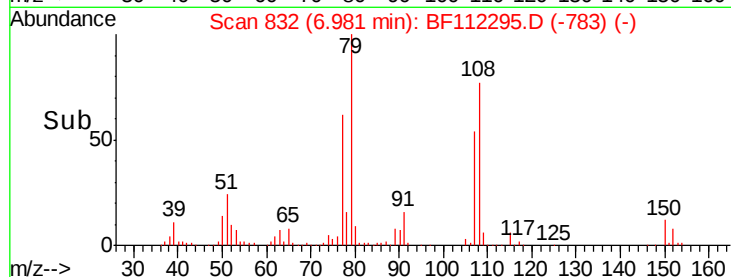
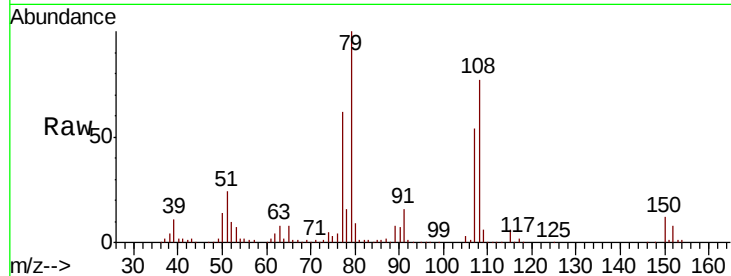




#15
Benzyl Alcohol
Concen: 23.601 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

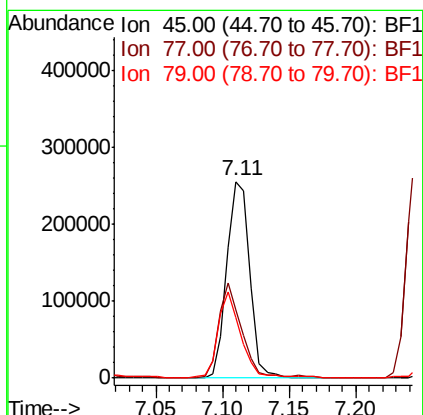
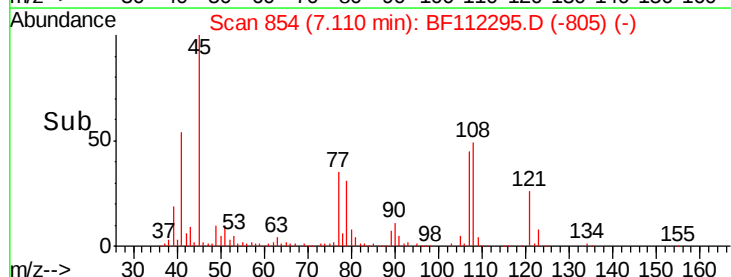
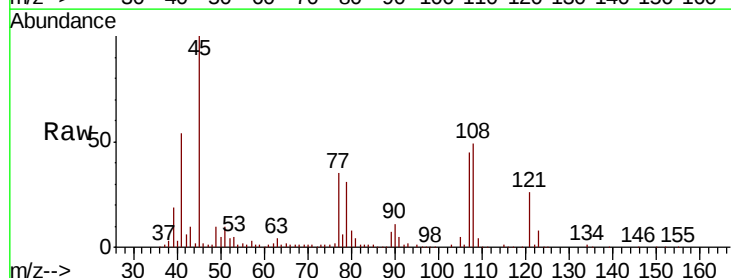
Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

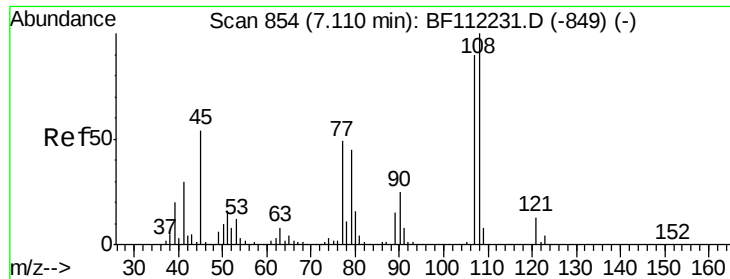
Tgt Ion: 79 Resp: 232504
Ion Ratio Lower Upper
79 100
108 76.9 64.2 96.2
77 61.8 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 23.976 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion: 45 Resp: 310740
Ion Ratio Lower Upper
45 100
77 35.0 0.0 36.9
79 30.7 0.0 34.0

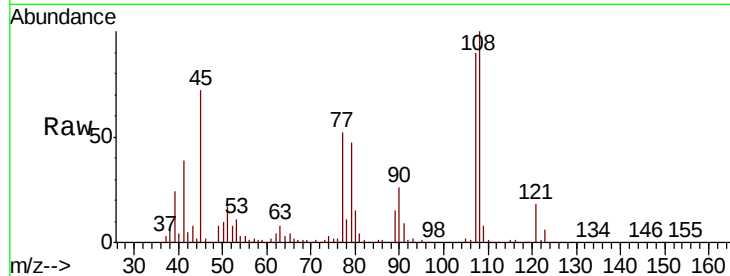




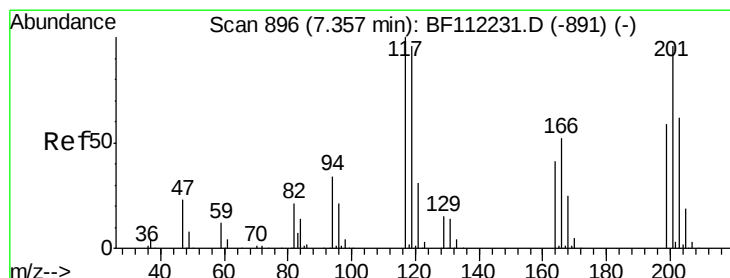
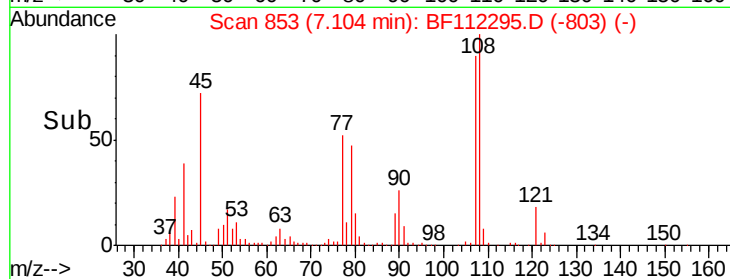
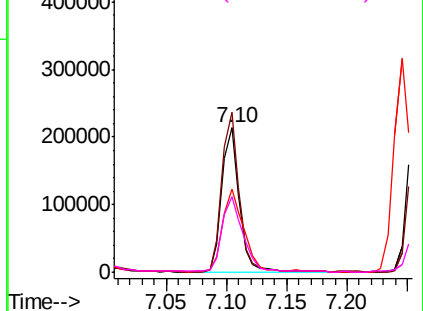
#17
2-Methylphenol
Concen: 23.722 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tgt Ion:	107	Resp:	212756
Ion	Ratio	Lower	Upper
107	100		
108	110.6	91.3	136.9
77	57.8	39.0	58.6
79	52.5	37.0	55.4

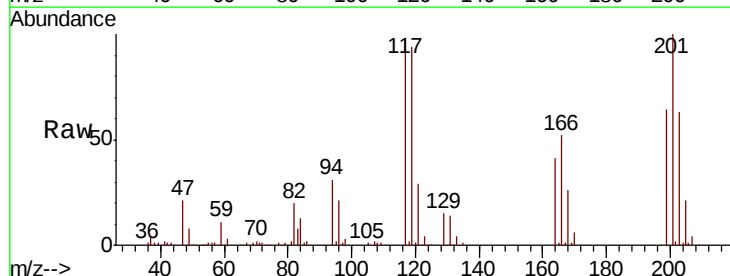


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

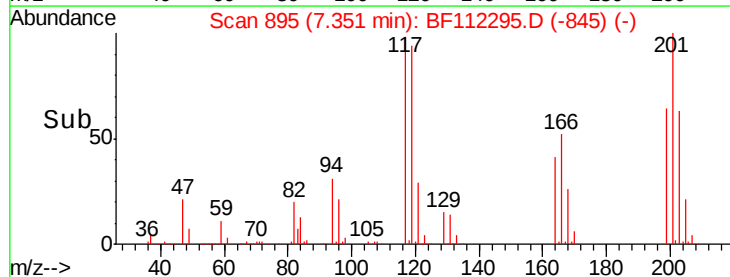
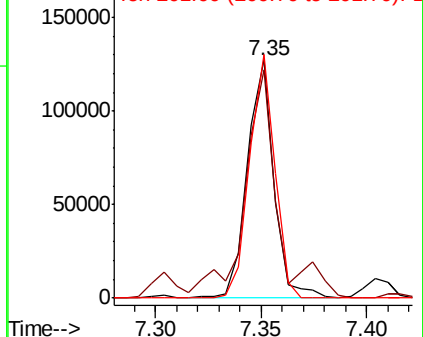


#18
Hexachloroethane
Concen: 23.319 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion:	117	Resp:	111039
Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.0	115.4
201	102.1	74.1	111.1



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

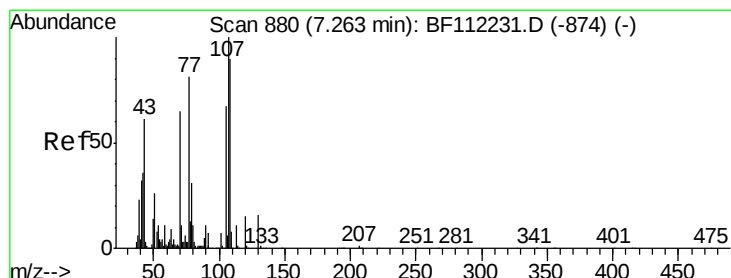
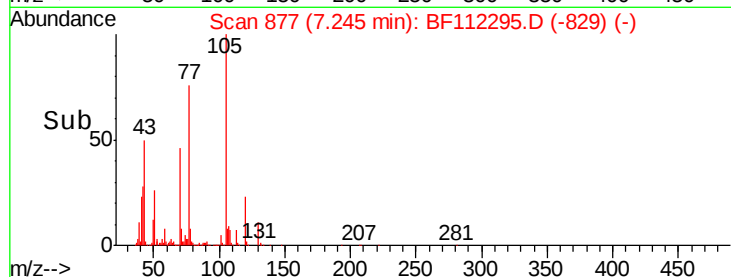
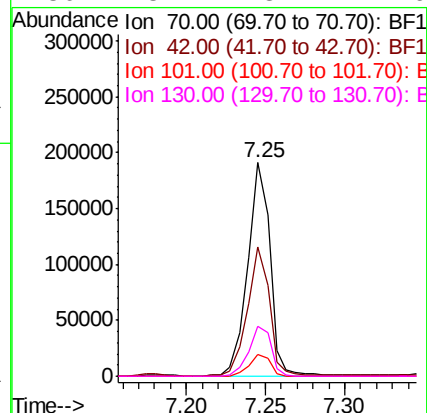
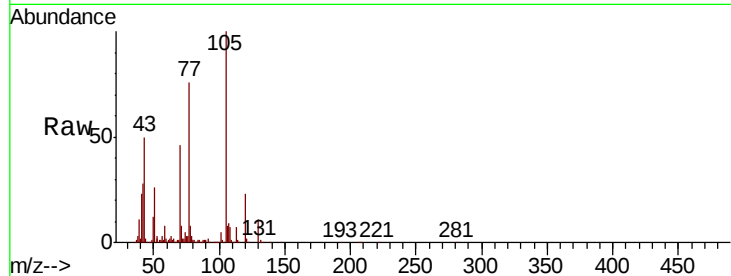




#19
n-Nitroso-di-n-propylamine
Concen: 22.996 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.02 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

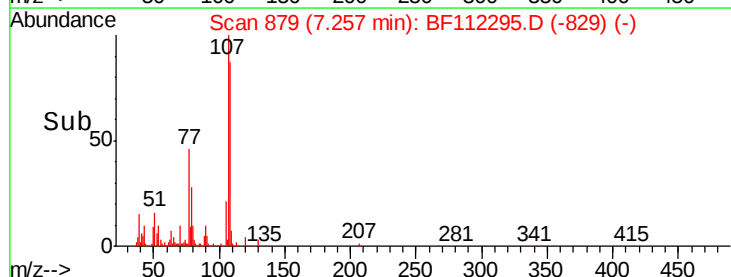
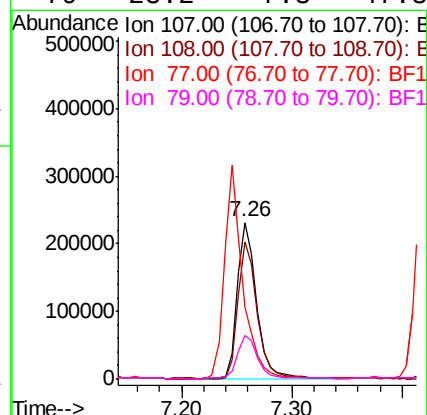
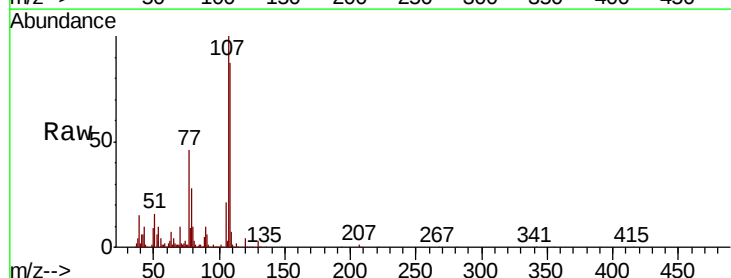
Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

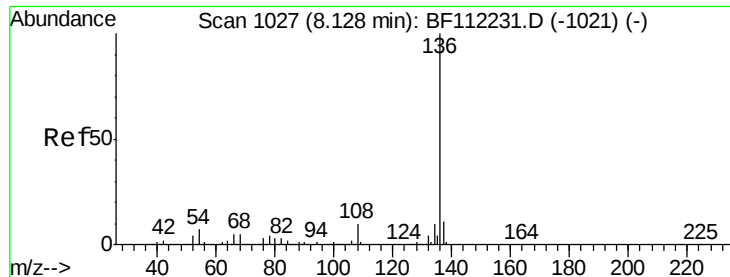
Tgt Ion:	70	Resp:	185310
Ion	Ratio	Lower	Upper
70	100		
42	60.6	47.6	71.4
101	10.3	7.9	11.9
130	23.1	18.4	27.6



#20
3+4-Methylphenols
Concen: 24.730 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion:	107	Resp:	283620
Ion	Ratio	Lower	Upper
107	100		
108	87.4	68.2	108.2
77	46.3	100.7	140.7#
79	28.2	7.3	47.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

Tgt Ion:136 Resp: 671515

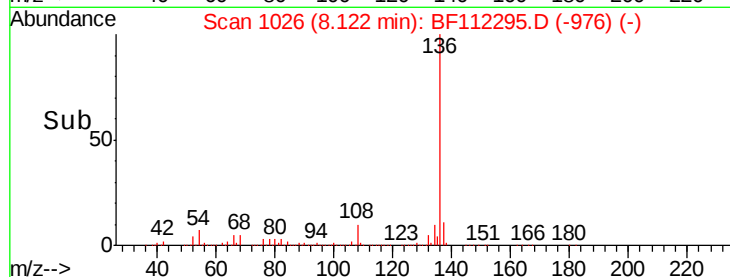
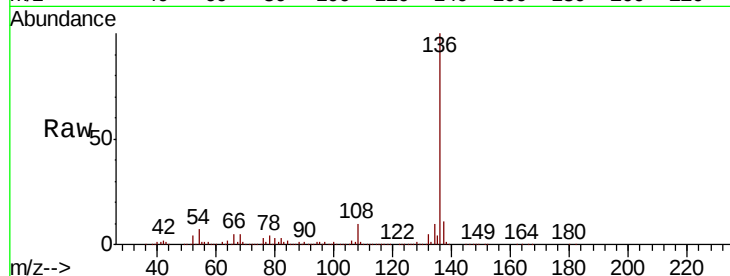
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.6 5.9 8.9

68 5.1 5.1 7.7#

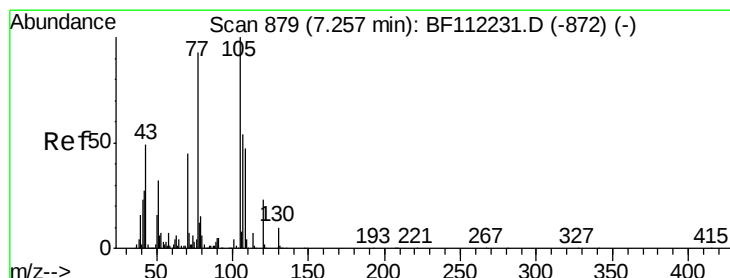
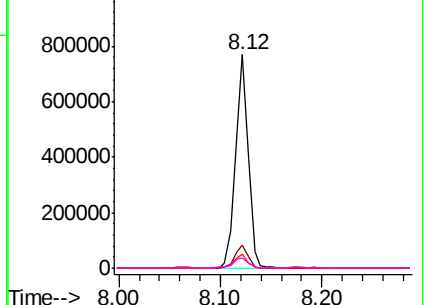


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 23.512 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Tgt Ion:105 Resp: 384454

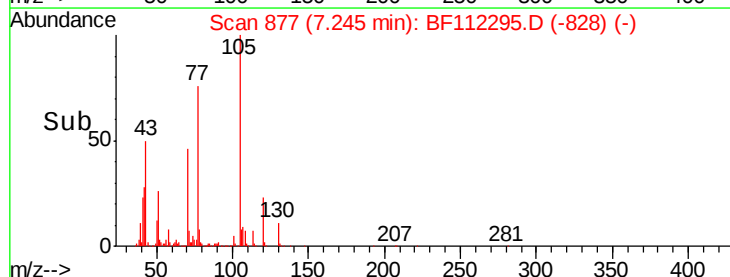
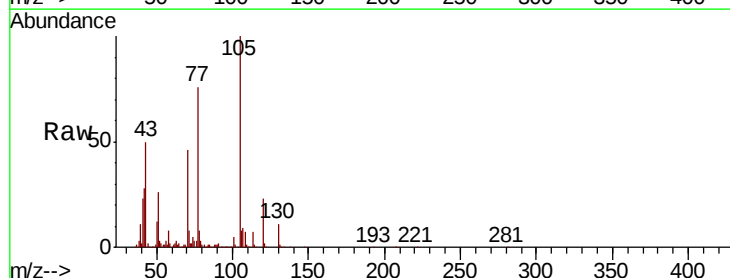
Ion Ratio Lower Upper

105 100

71 7.8 4.6 6.8#

51 25.8 25.0 37.6

120 22.6 19.0 28.4

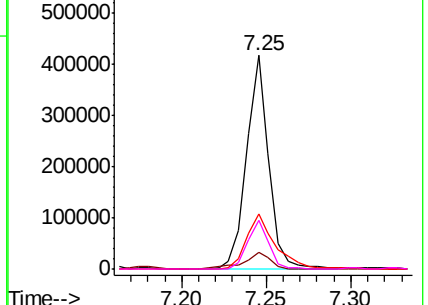


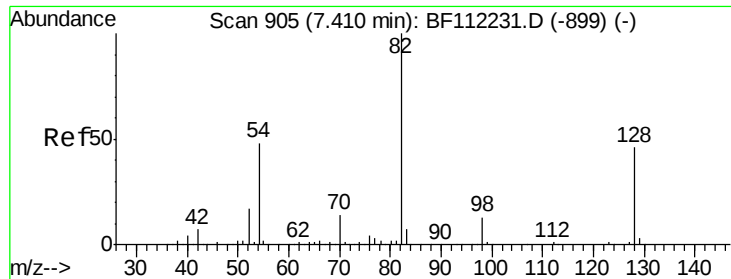
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

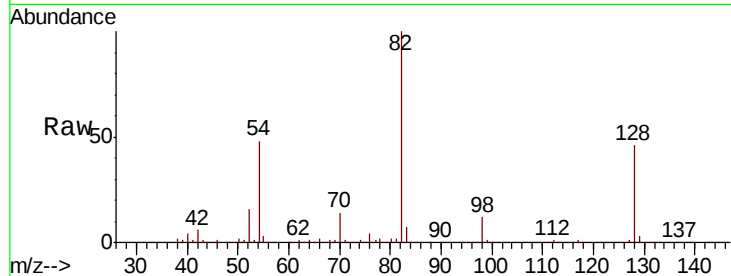




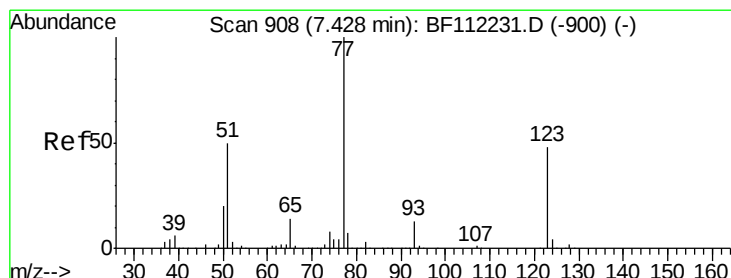
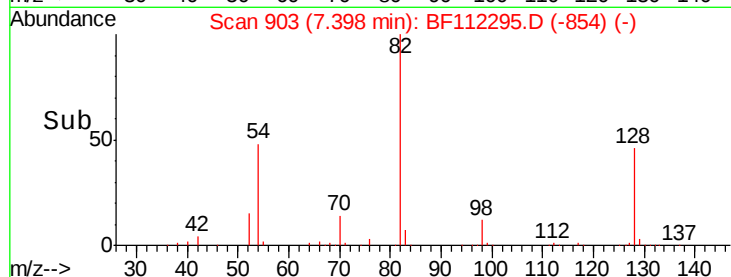
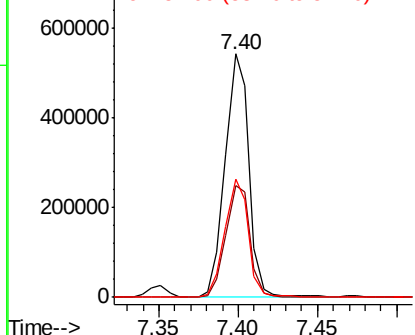
#23
 Nitrobenzene-d5
 Concen: 48.211 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819MSD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.8	56.8
54	48.4	39.7	59.5

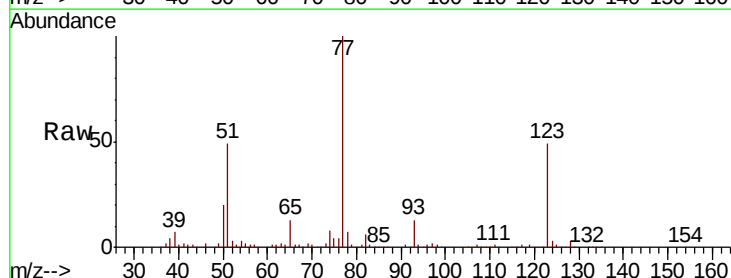


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

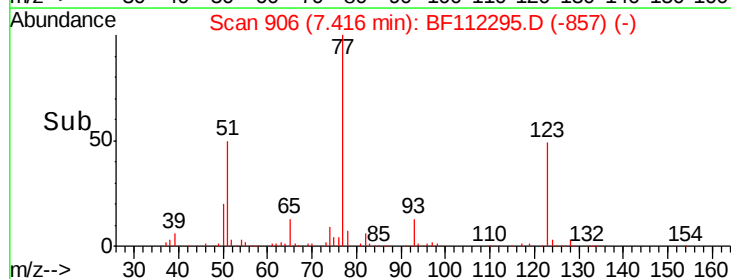
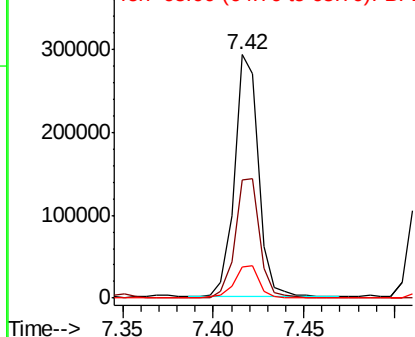


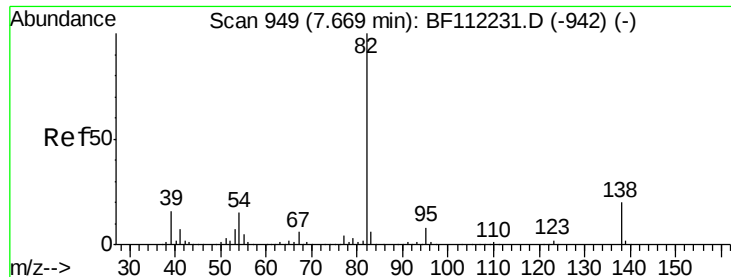
#24
 Nitrobenzene
 Concen: 23.208 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.7	38.4	57.6
65	13.0	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: 26.479 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

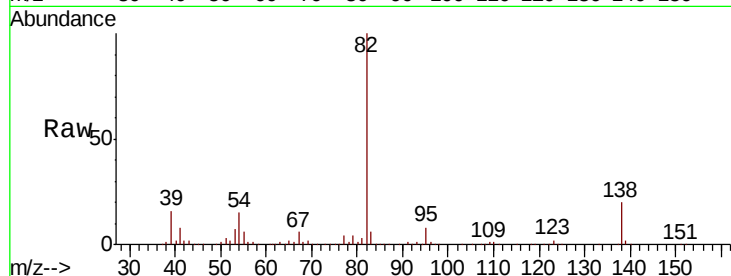
Tgt Ion: 82 Resp: 484110

Ion Ratio Lower Upper

82 100

95 8.0 5.7 8.5

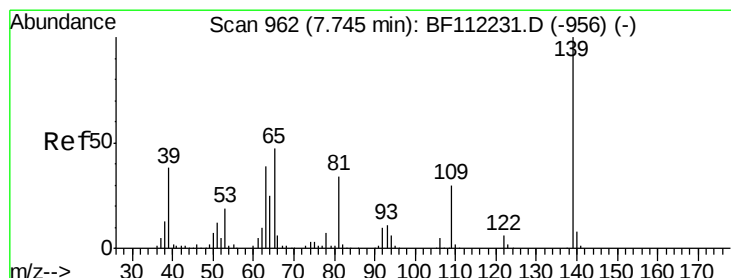
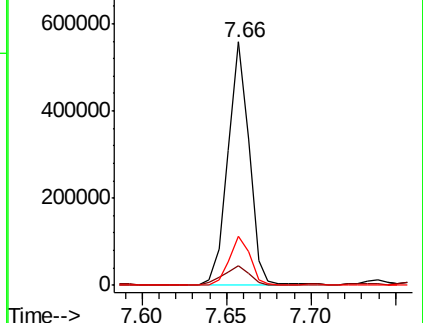
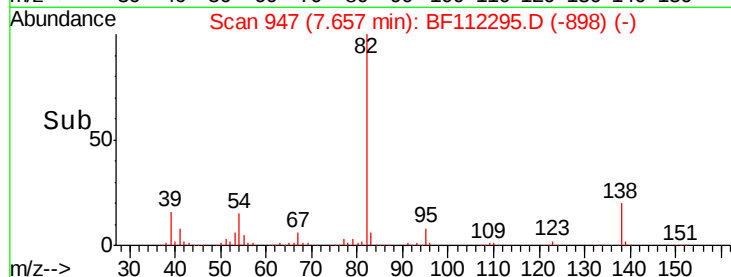
138 20.3 15.4 23.0



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: 23.694 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

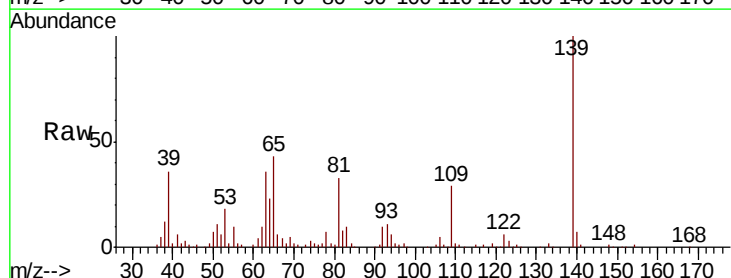
Tgt Ion: 139 Resp: 147382

Ion Ratio Lower Upper

139 100

109 28.7 20.8 31.2

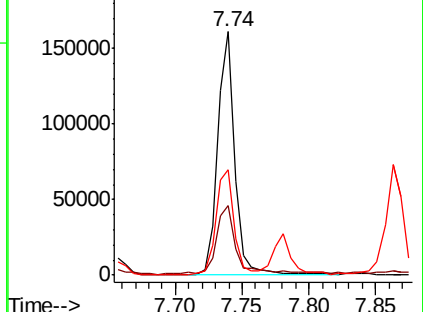
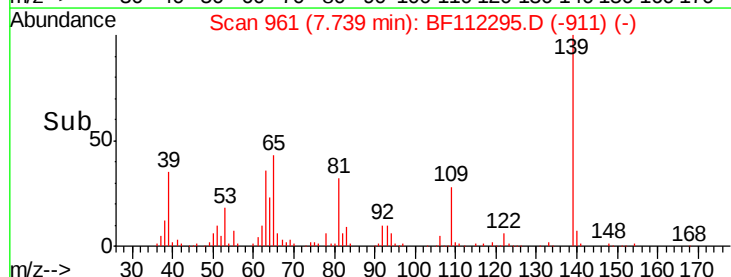
65 43.5 34.4 51.6

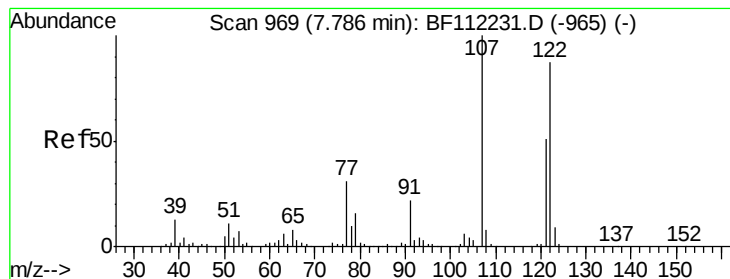


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 27.071 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

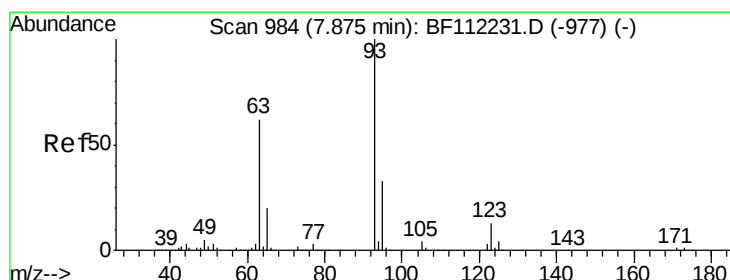
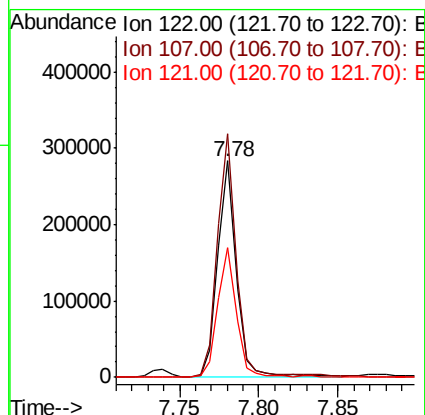
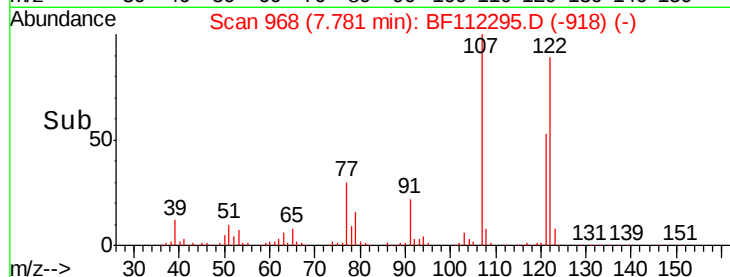
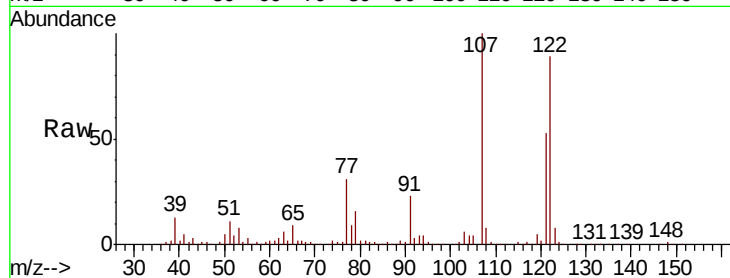
Tgt Ion:122 Resp: 232000

Ion Ratio Lower Upper

122 100

107 112.6 85.4 128.0

121 59.9 47.0 70.4



#28

bis(2-Chloroethoxy)methane

Concen: 24.944 ng

RT: 7.86 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

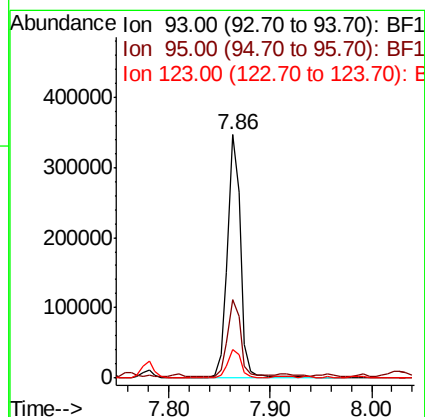
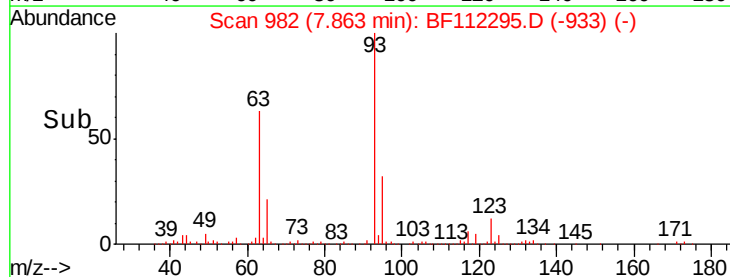
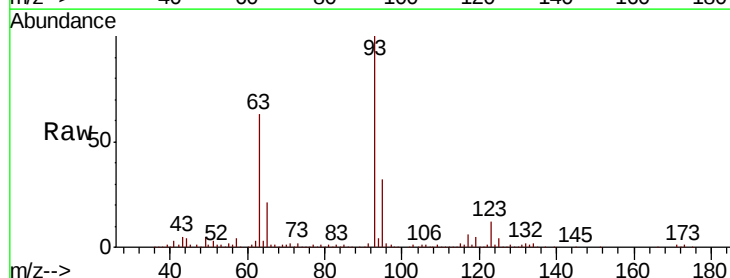
Tgt Ion: 93 Resp: 310533

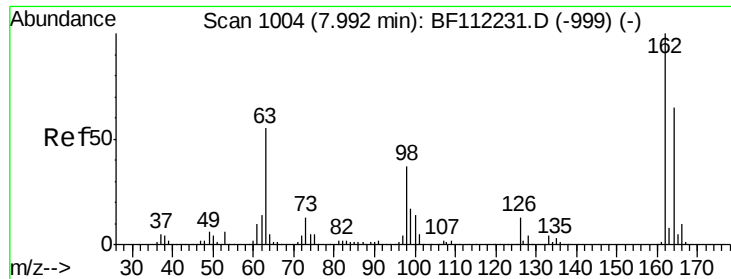
Ion Ratio Lower Upper

93 100

95 32.2 26.8 40.2

123 11.7 10.2 15.2

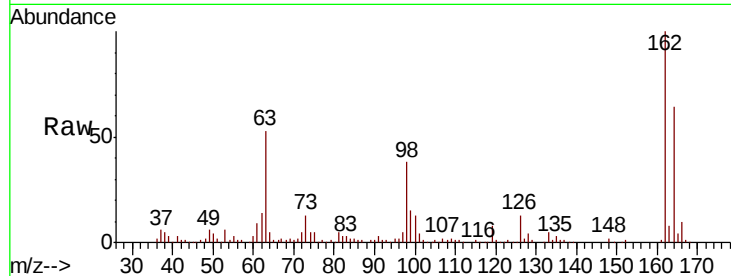




#29
2,4-Dichlorophenol
Concen: 23.904 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.6	84.6
98	37.7	14.6	54.6

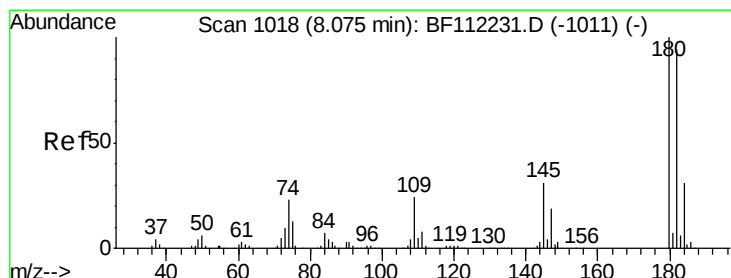
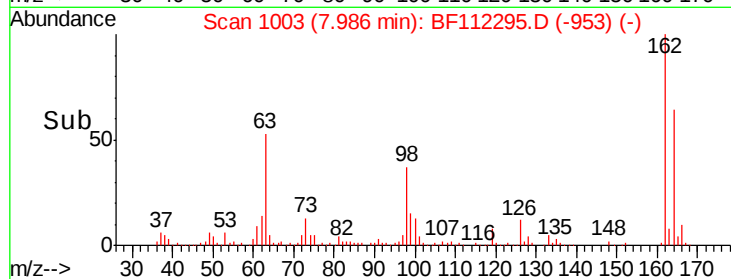
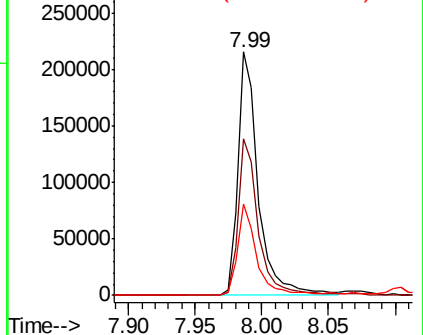


Abundance

Ion 162.00 (161.70 to 162.70): E

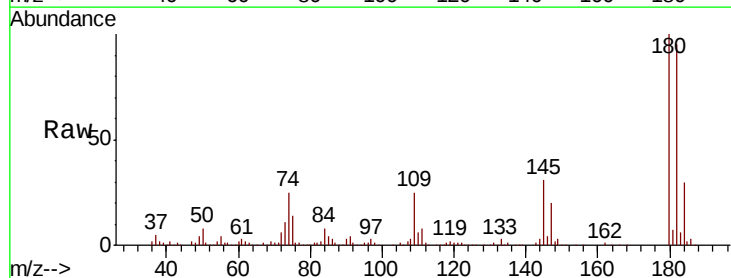
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 23.411 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.4	114.6
145	31.0	25.0	37.4

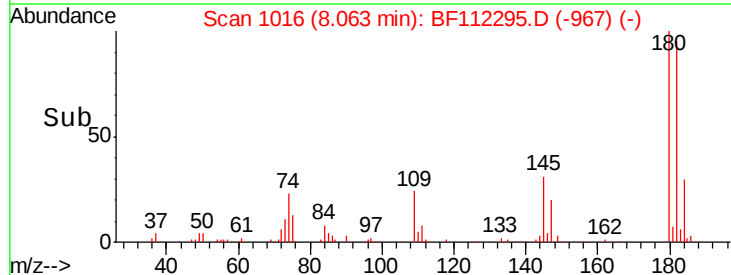
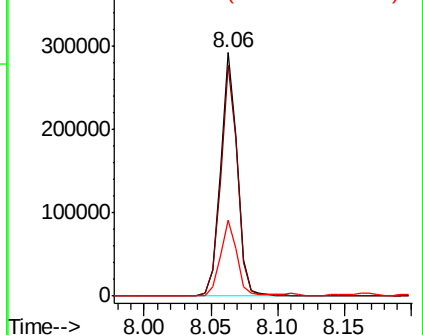


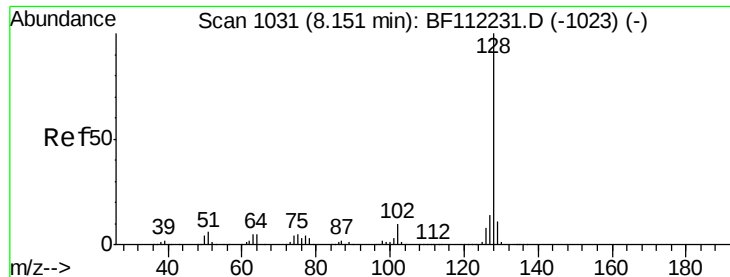
Abundance

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

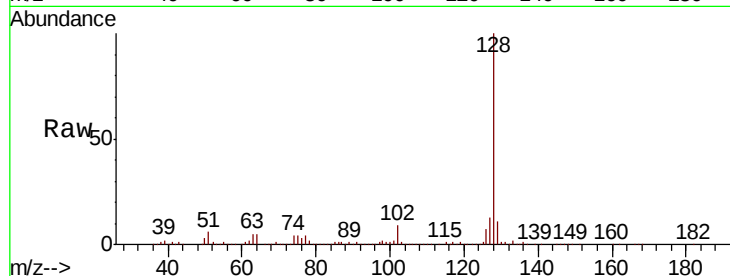




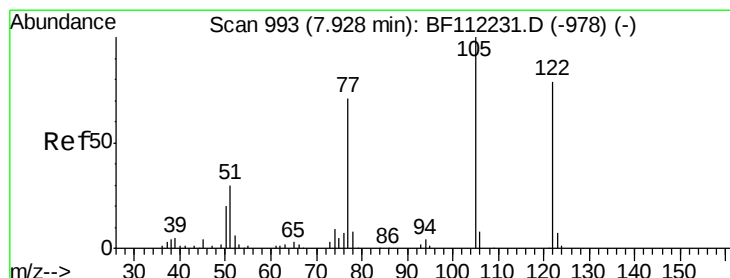
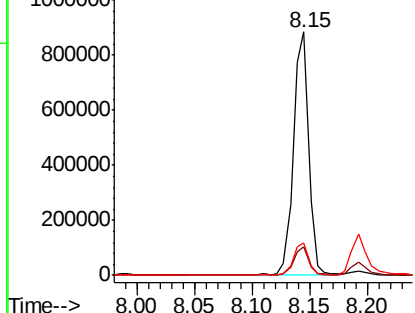
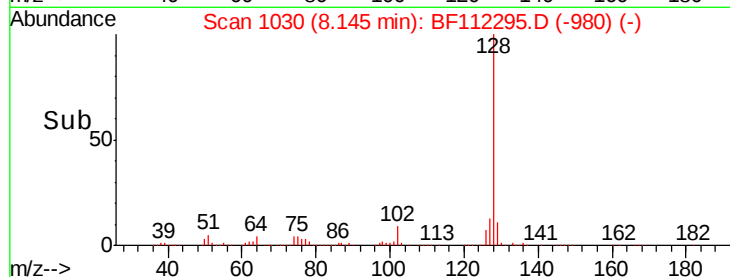
#31
Naphthalene
Concen: 25.906 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tgt Ion:128 Resp: 813541
Ion Ratio Lower Upper
128 100
129 11.5 9.6 14.4
127 13.2 11.1 16.7

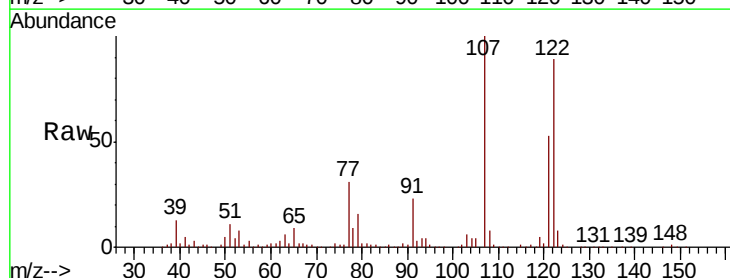


Abundance Ion 128.00 (127.70 to 128.70): E
1200000
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

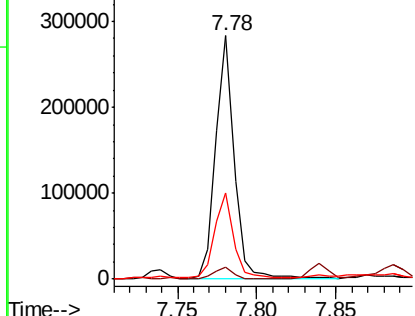
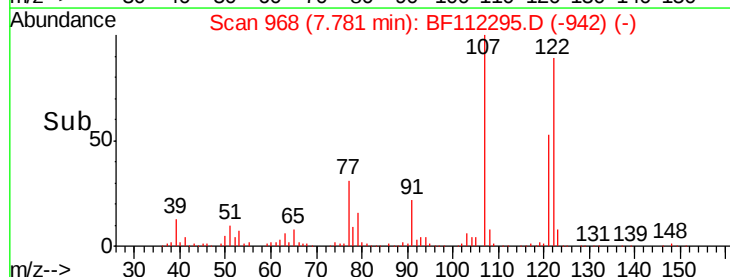


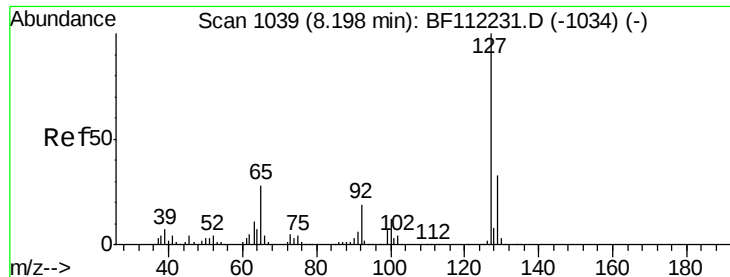
#32
Benzoic acid
Concen: 47.459 ng
RT: 7.78 min Scan# 968
Delta R.T. -0.15 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion:122 Resp: 232000
Ion Ratio Lower Upper
122 100
105 4.8 101.2 141.2#
77 35.2 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

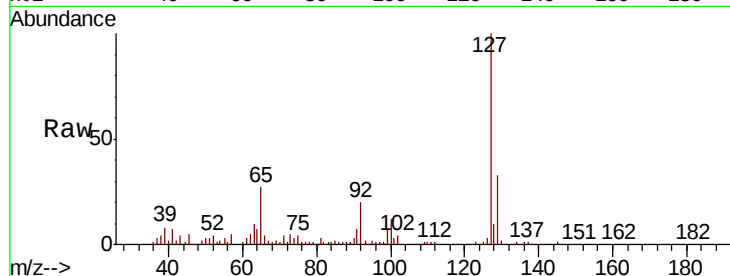




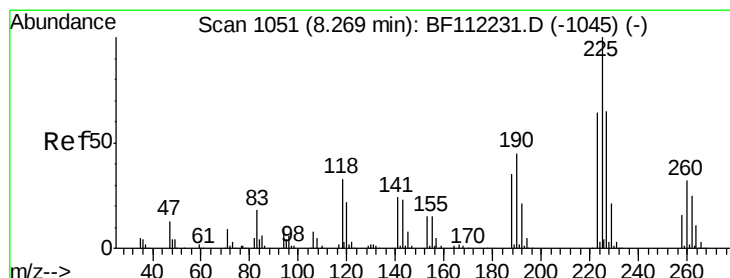
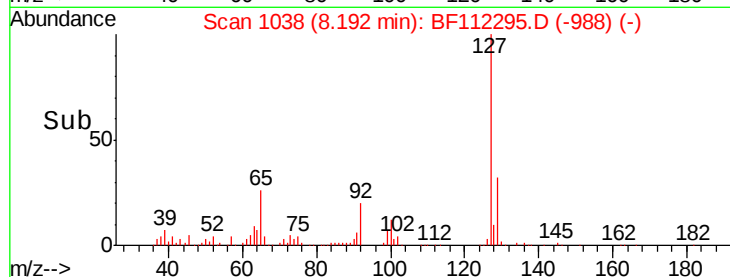
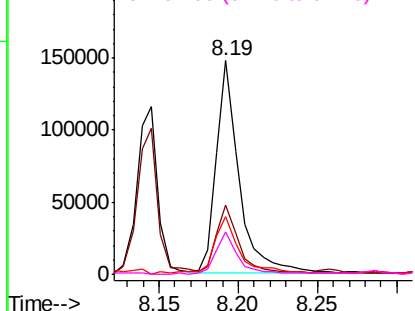
#33
4-Chloroaniline
Concen: 10.810 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tgt Ion:	127	Resp:	147816
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.6	39.8
65	26.9	21.4	32.2
92	20.0	14.2	21.2

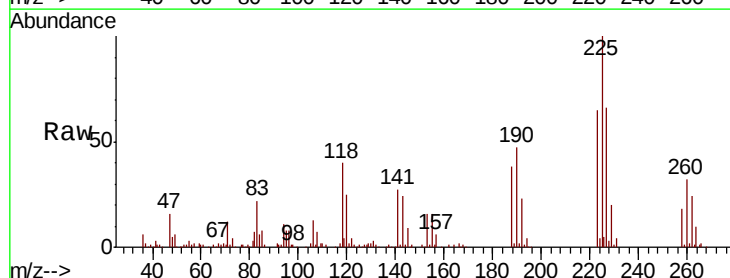


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

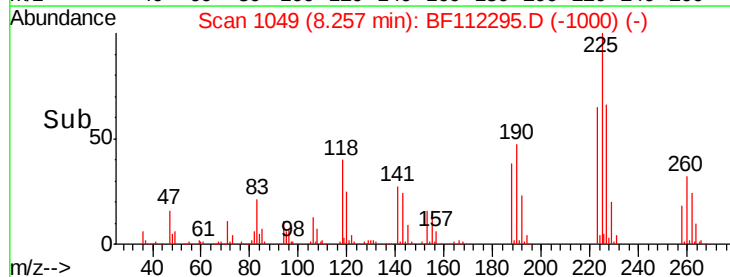
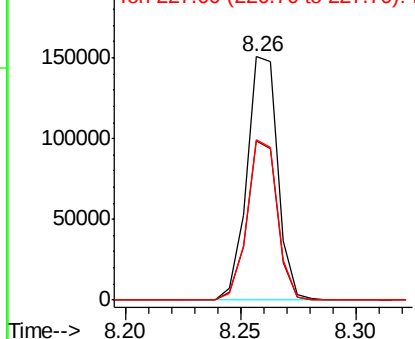


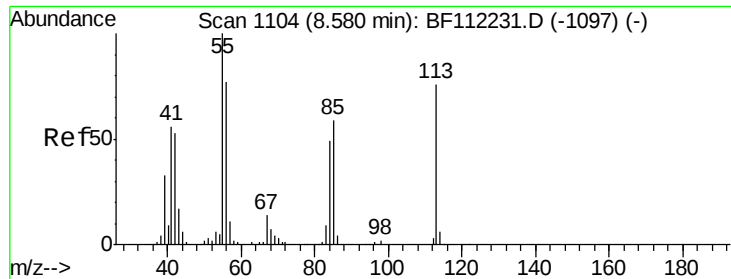
#34
Hexachlorobutadiene
Concen: 21.792 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion:	225	Resp:	140972
Ion	Ratio	Lower	Upper
225	100		
223	65.1	50.3	75.5
227	65.9	51.8	77.8



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

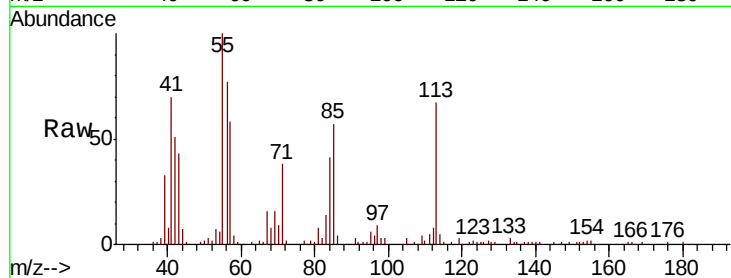




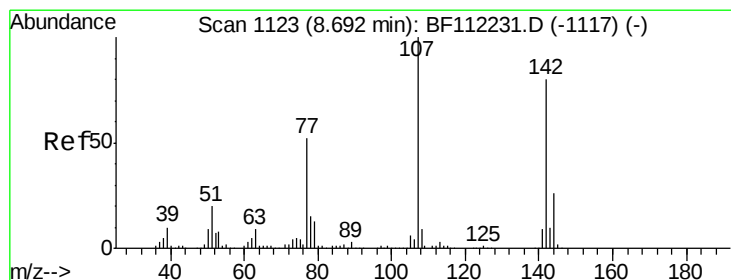
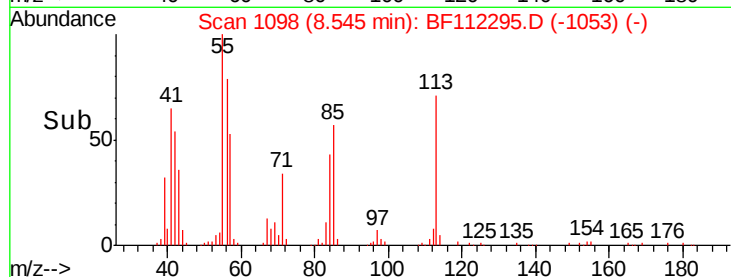
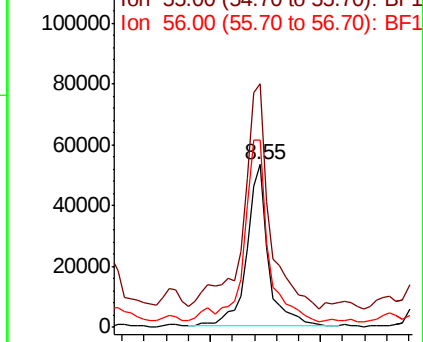
#35
 Caprolactam
 Concen: 21.541 ng
 RT: 8.55 min Scan# 1098
 Delta R.T. -0.04 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819MSD

Tgt Ion:113 Resp: 72877
 Ion Ratio Lower Upper
 113 100
 55 149.6 121.6 161.6
 56 115.3 86.7 126.7

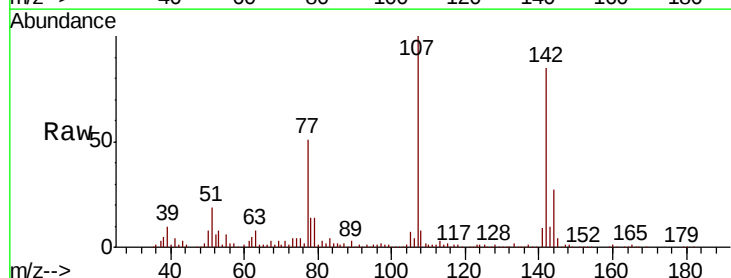


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

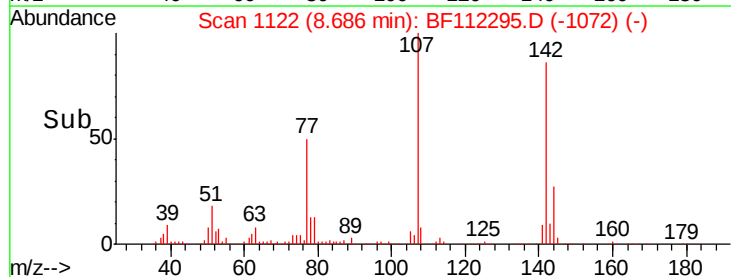
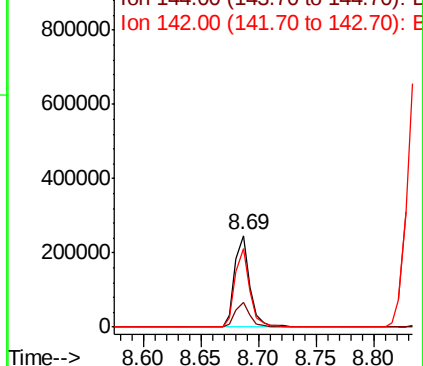


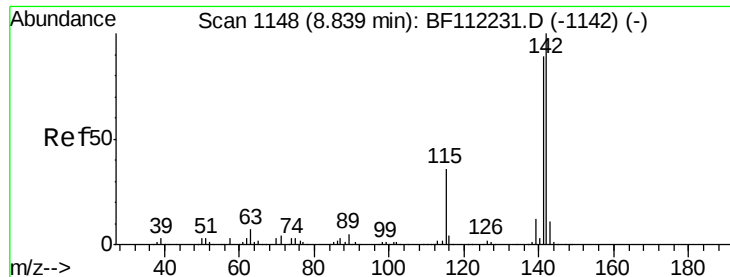
#36
 4-Chloro-3-methylphenol
 Concen: 22.219 ng
 RT: 8.69 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Tgt Ion:107 Resp: 225579
 Ion Ratio Lower Upper
 107 100
 144 27.2 22.2 33.2
 142 85.5 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

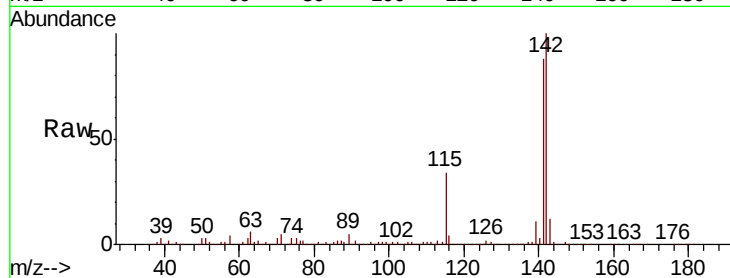




#37
2-Methylnaphthalene
Concen: 26.282 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.9	106.3
115	33.8	24.9	37.3

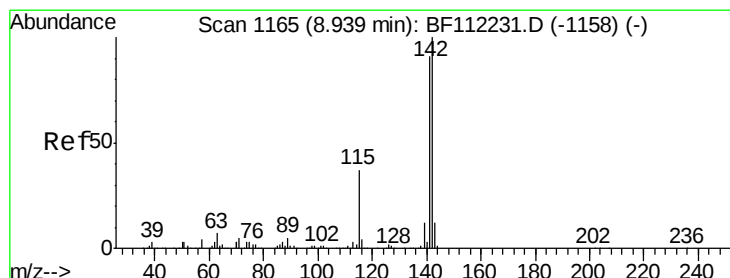
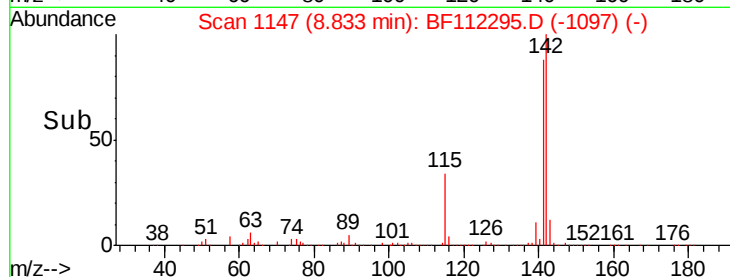
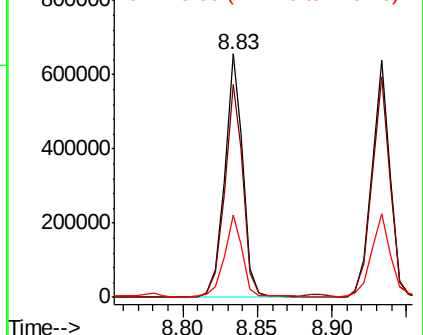


Abundance

Ion 142.00 (141.70 to 142.70): E

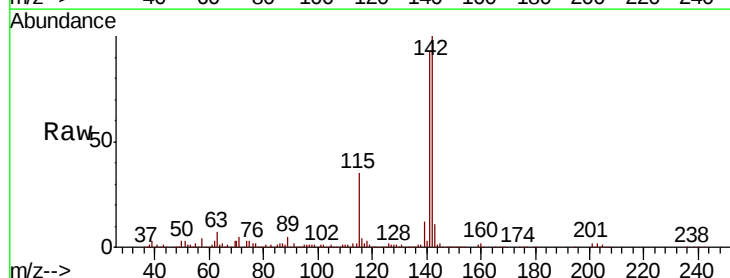
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 25.481 ng
RT: 8.93 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.9	72.6	108.8
116	3.6	2.8	4.2

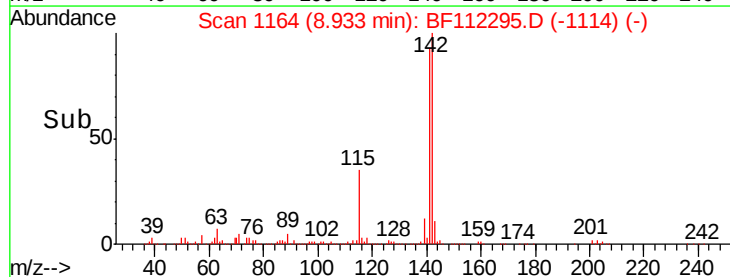
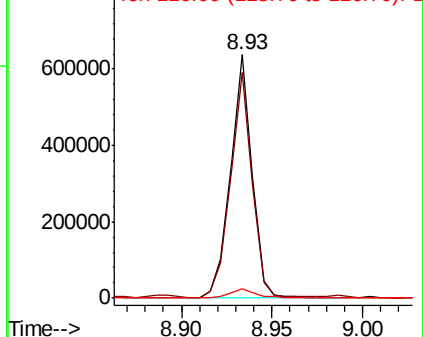


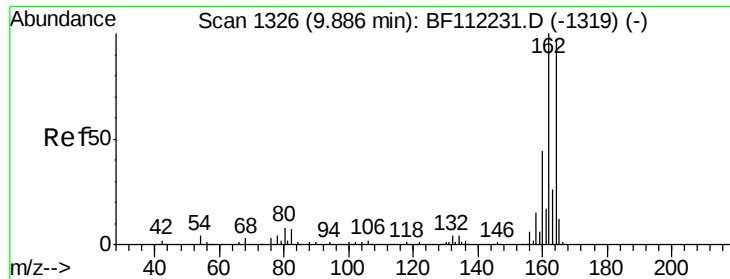
Abundance

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# 1324

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

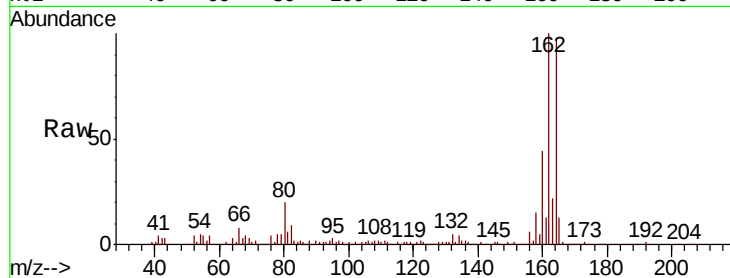
Tgt Ion:164 Resp: 309415

Ion Ratio Lower Upper

164 100

162 103.1 82.2 123.4

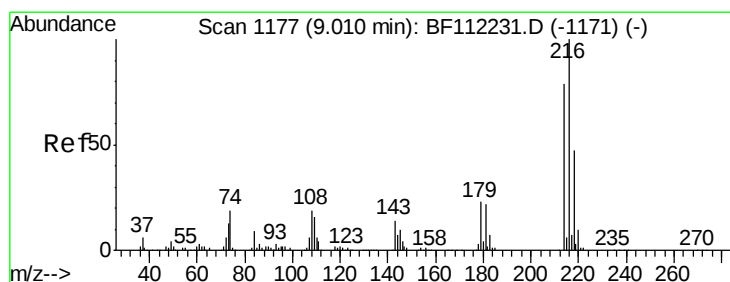
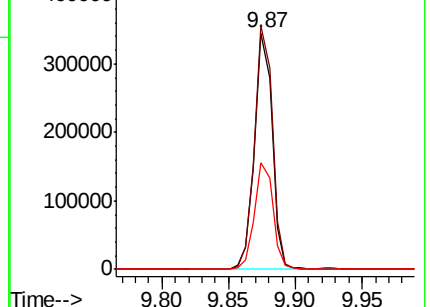
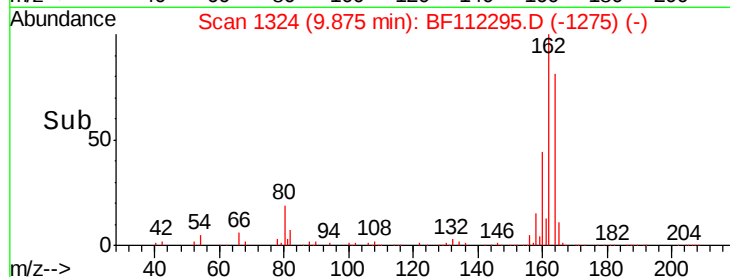
160 45.4 36.2 54.4



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: 24.114 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Tgt Ion:216 Resp: 244978

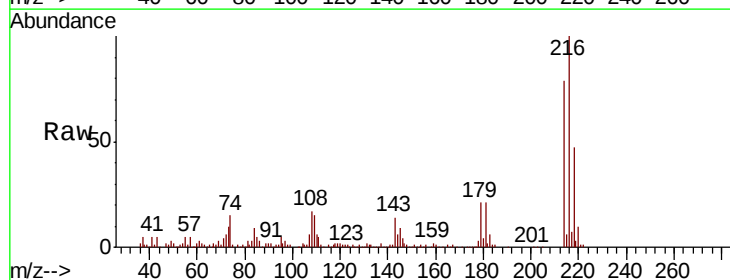
Ion Ratio Lower Upper

216 100

214 79.0 63.8 95.6

179 21.1 16.9 25.3

108 17.8 14.2 21.4

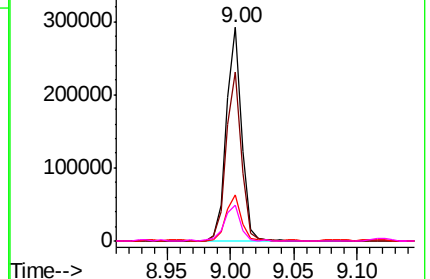
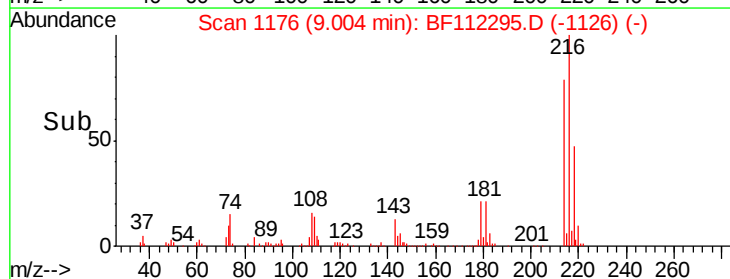


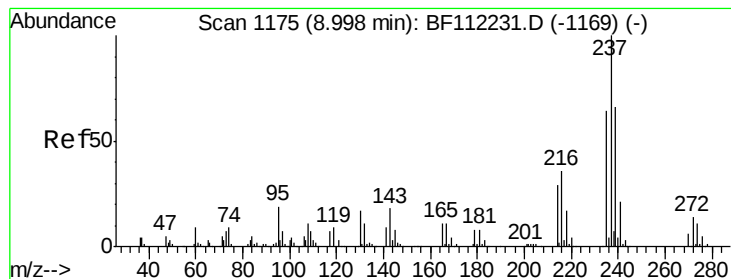
Abundance Ion 216.00 (215.70 to 216.70): E

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: 18.914 ng

RT: 8.99 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

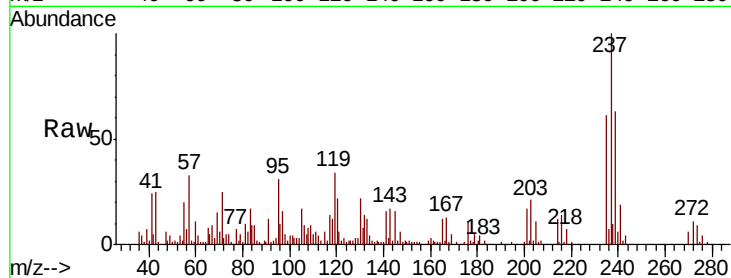
Tgt Ion: 237 Resp: 41116

Ion Ratio Lower Upper

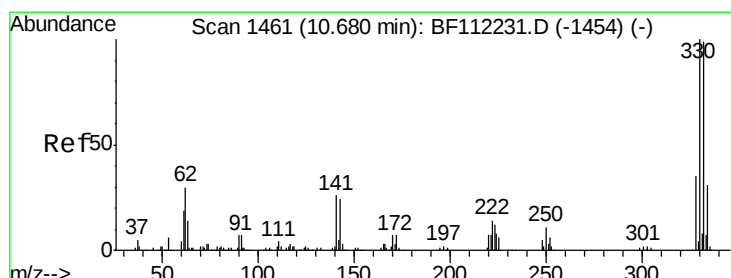
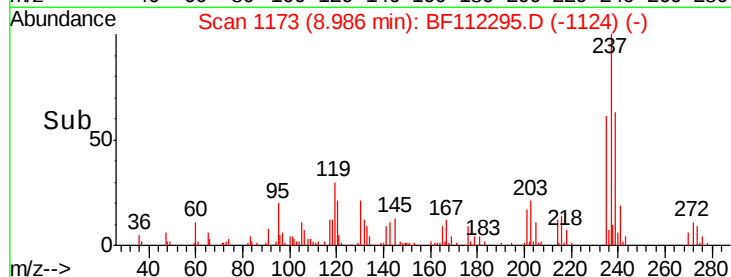
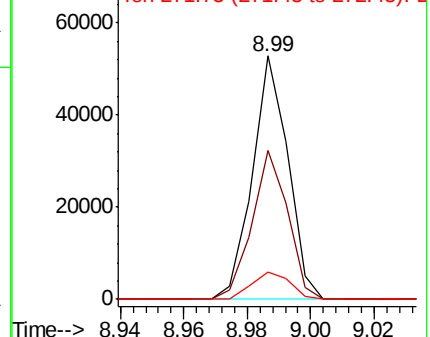
237 100

235 61.3 44.0 84.0

272 11.2 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: 64.842 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

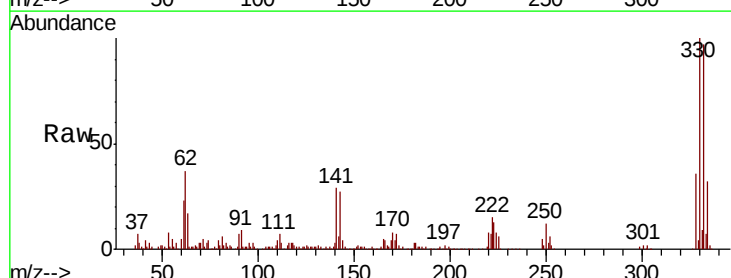
Tgt Ion: 330 Resp: 233528

Ion Ratio Lower Upper

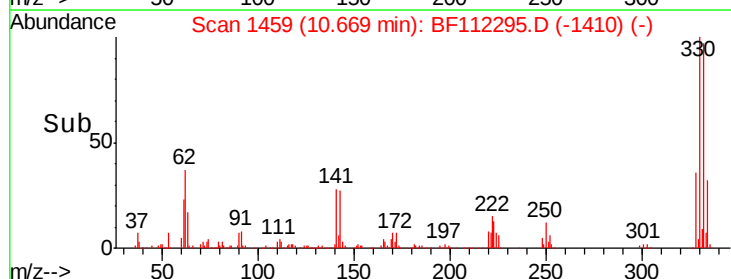
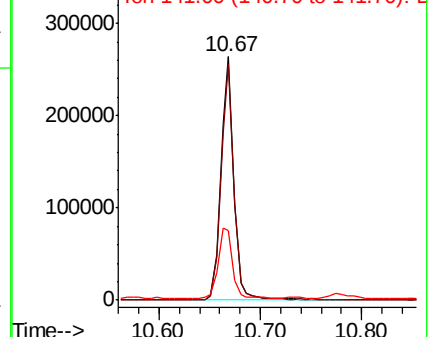
330 100

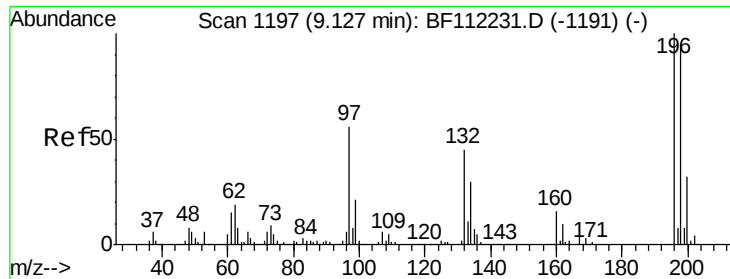
332 95.7 76.6 114.8

141 32.7 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

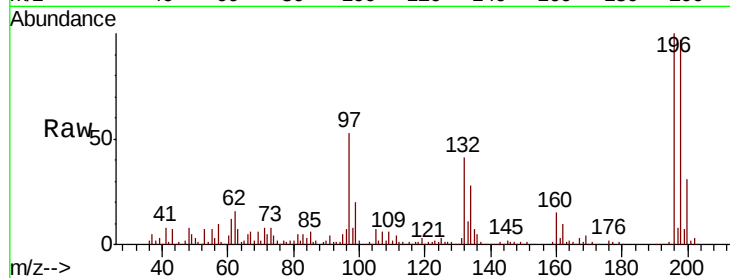




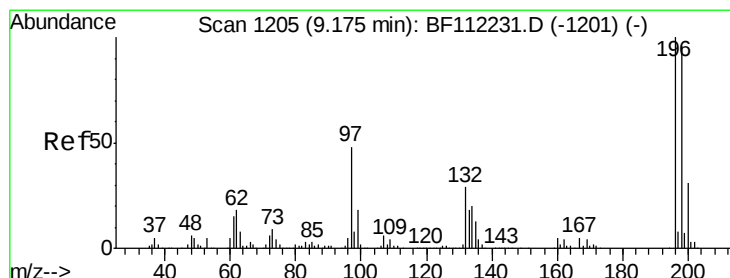
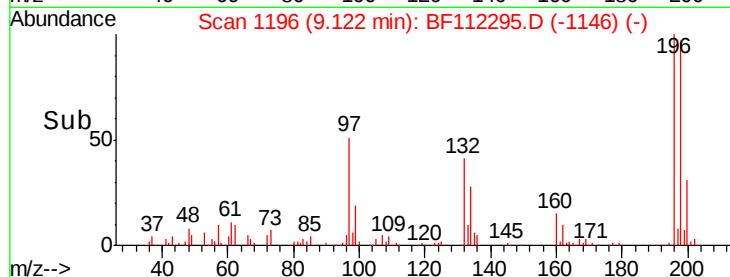
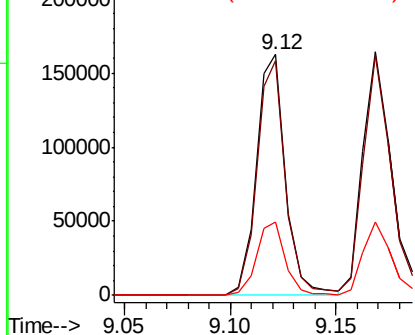
#43
 2,4,6-Trichlorophenol
 Concen: 24.854 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819MSD

Tgt Ion:196 Resp: 155642
 Ion Ratio Lower Upper
 196 100
 198 97.4 76.2 114.4
 200 30.6 24.3 36.5



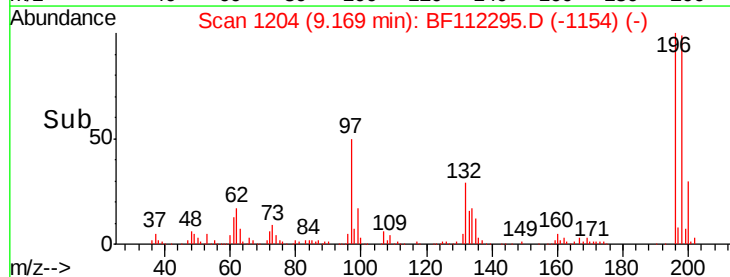
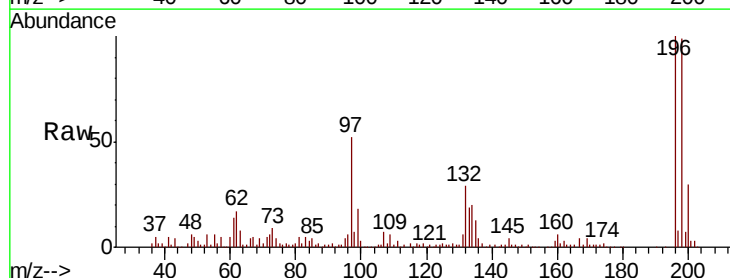
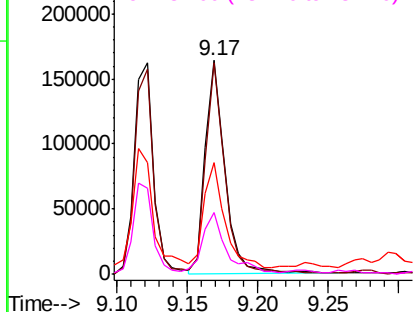
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

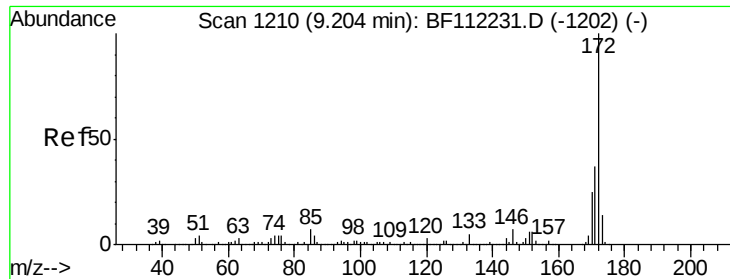


#44
 2,4,5-Trichlorophenol
 Concen: 24.152 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Tgt Ion:196 Resp: 158069
 Ion Ratio Lower Upper
 196 100
 198 98.7 76.0 114.0
 97 52.3 36.4 54.6
 132 28.9 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

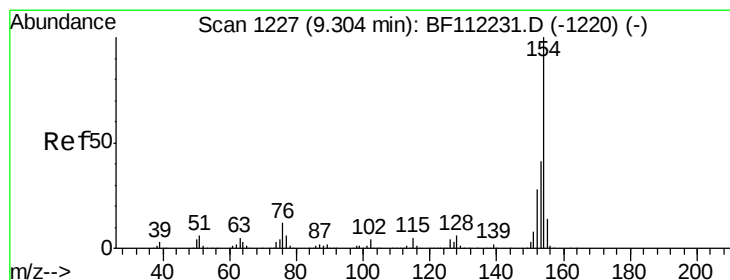
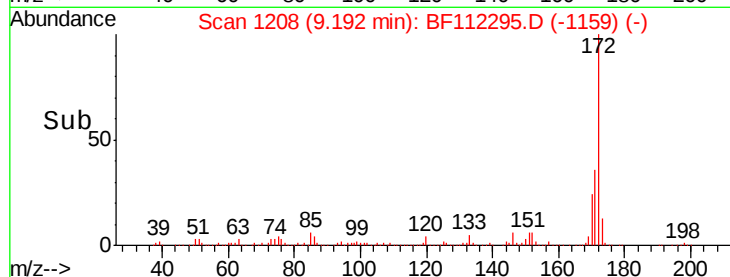
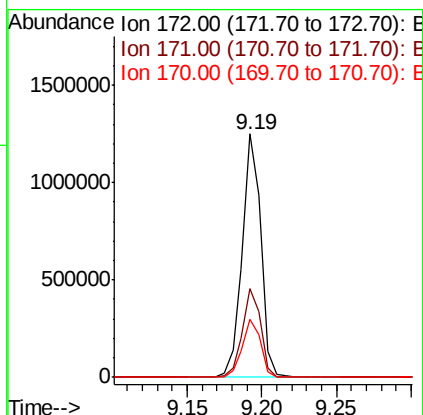
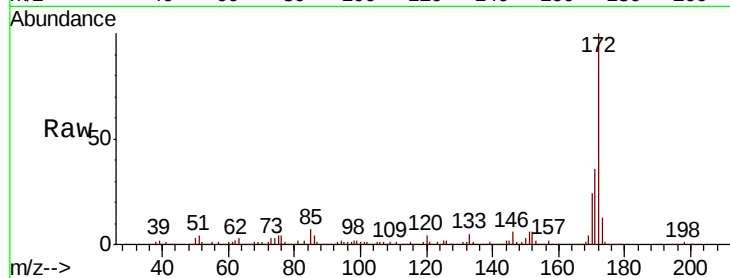




#45
2-Fluorobiphenyl
Concen: 49.605 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

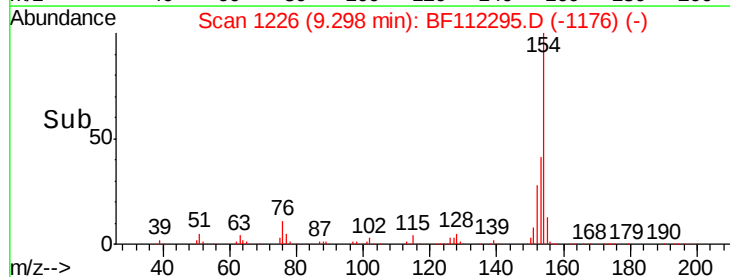
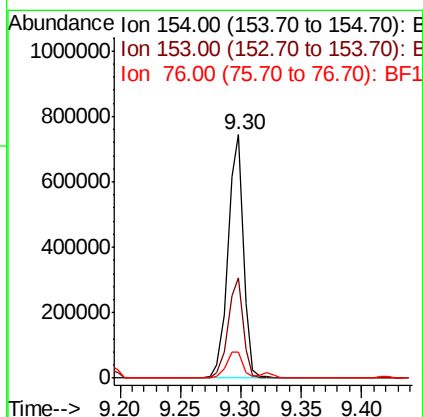
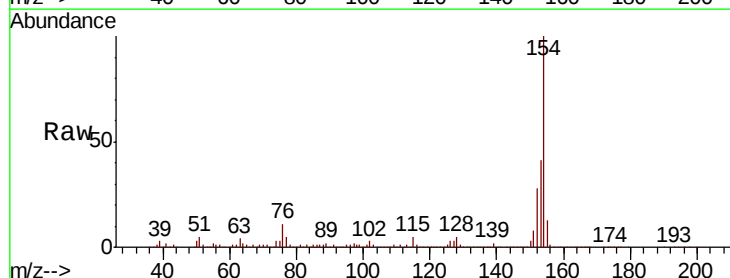
Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

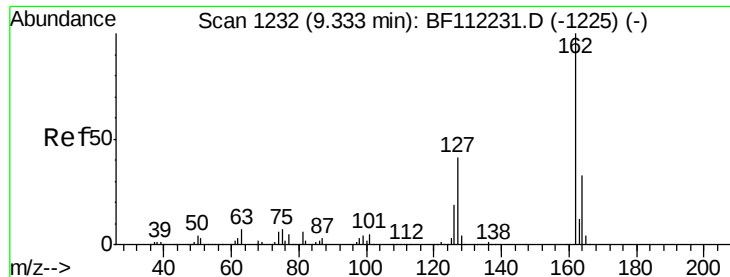
Tgt Ion:172 Resp: 1085218
Ion Ratio Lower Upper
172 100
171 36.3 30.5 45.7
170 23.6 20.2 30.4



#46
1,1'-Biphenyl
Concen: 24.464 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion:154 Resp: 661751
Ion Ratio Lower Upper
154 100
153 41.2 21.5 61.5
76 10.6 0.0 33.1

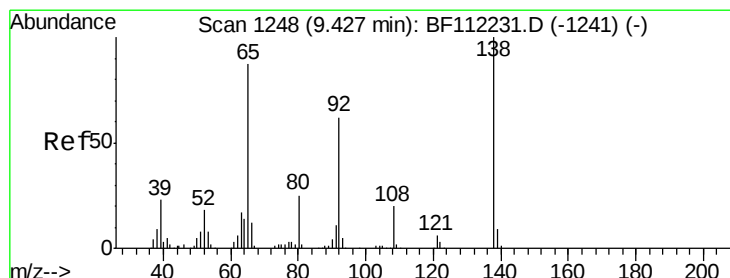
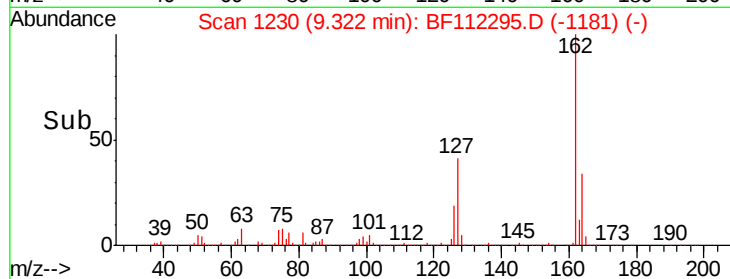
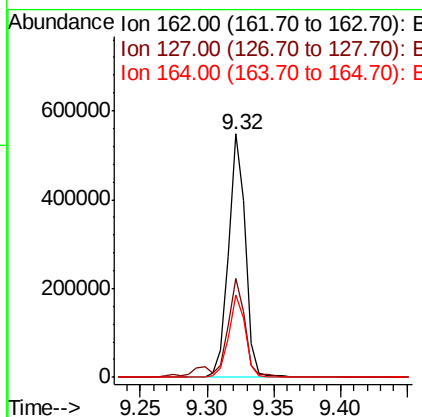
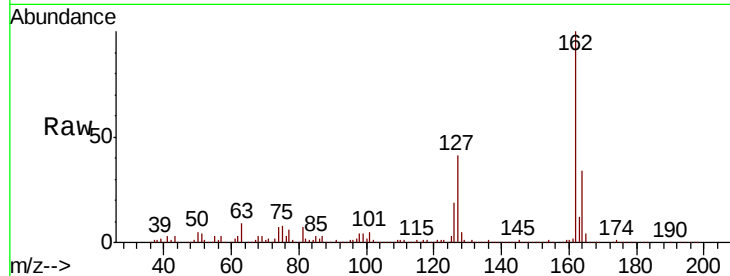




#47
 2-Chloronaphthalene
 Concen: 23.436 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

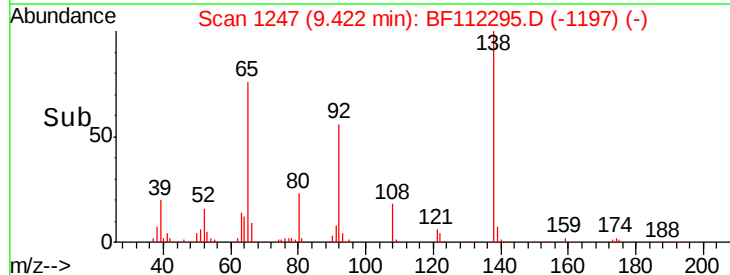
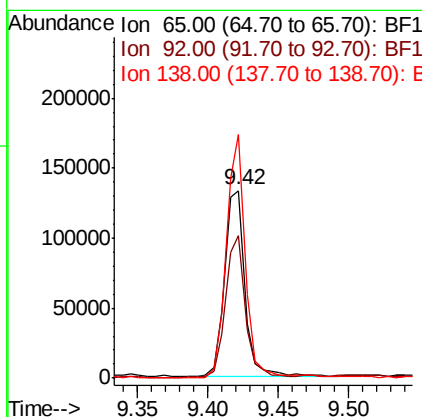
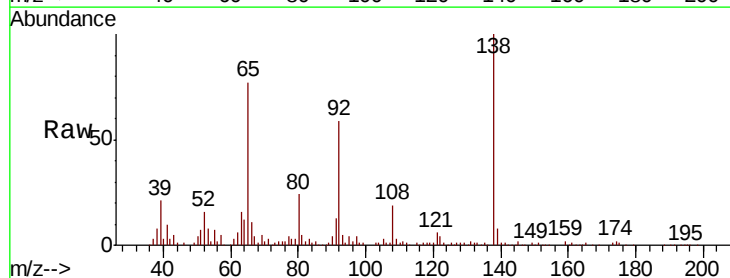
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819MSD

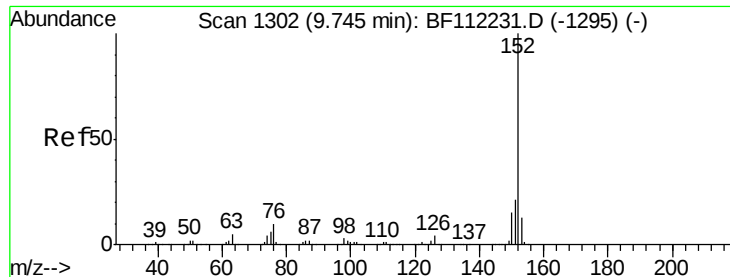
Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.9	30.4	45.6
164	33.7	27.4	41.2



#48
 2-Nitroaniline
 Concen: 23.233 ng
 RT: 9.42 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Tgt Ion	Ratio	Lower	Upper
65	100		
92	76.0	60.4	90.6
138	129.6	104.4	156.6





#49

Acenaphthylene

Concen: 25.696 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

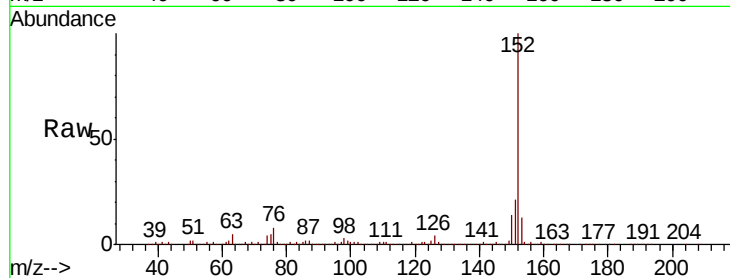
Tgt Ion:152 Resp: 790024

Ion Ratio Lower Upper

152 100

151 20.7 17.0 25.6

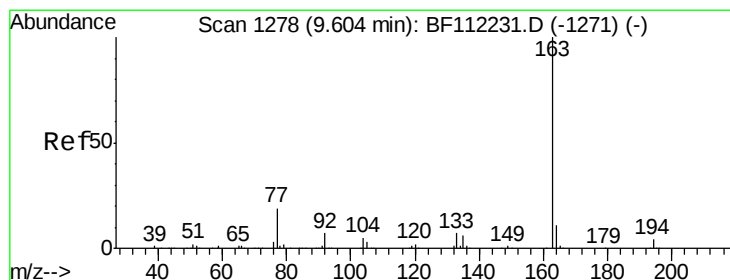
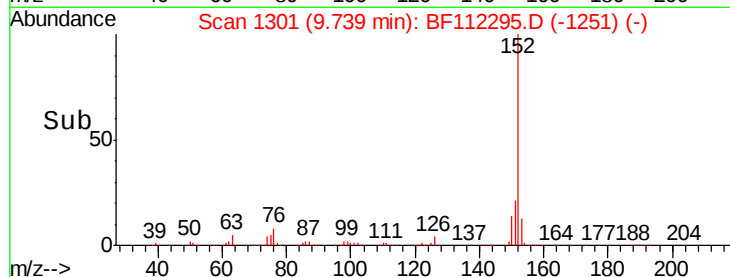
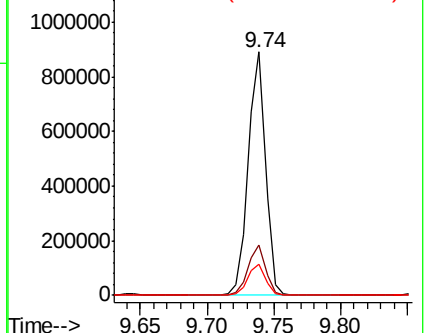
153 13.0 11.2 16.8



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: 26.502 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

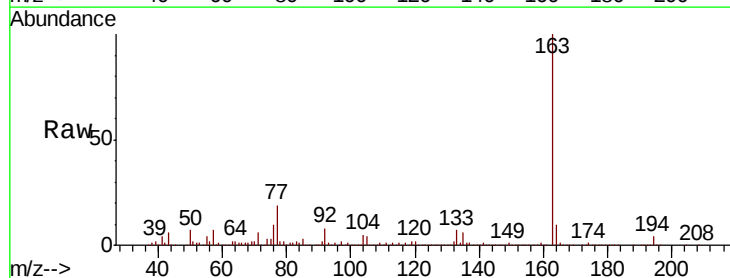
Tgt Ion:163 Resp: 637101

Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

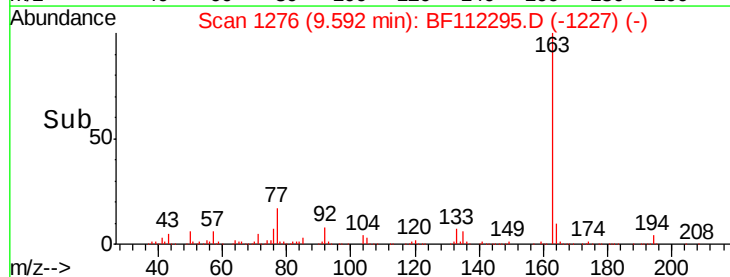
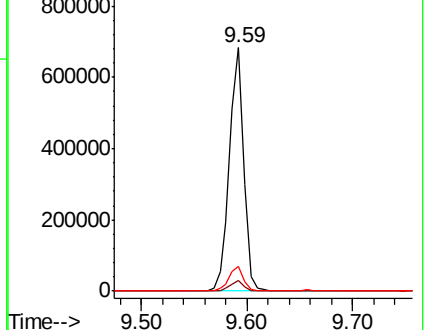
164 10.1 8.5 12.7

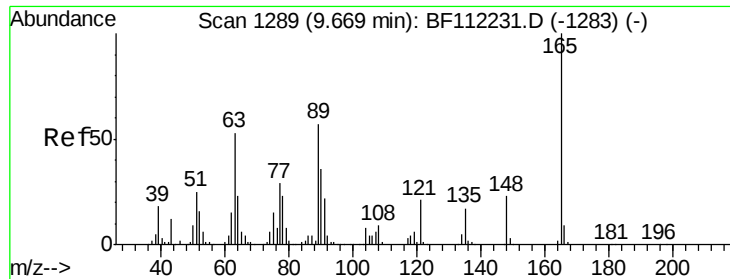


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 23.182 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

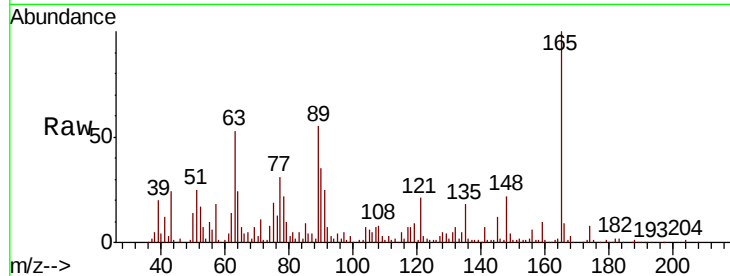
Tgt Ion:165 Resp: 124811

Ion Ratio Lower Upper

165 100

63 53.4 33.8 50.8#

89 55.3 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

200000

150000

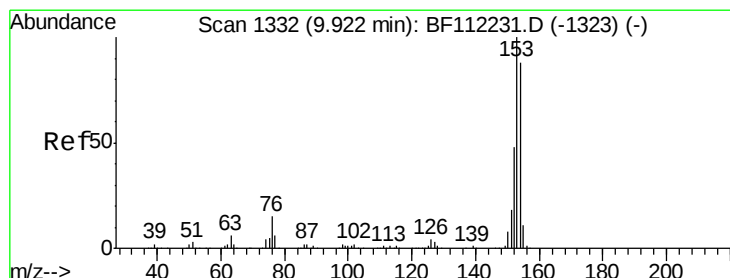
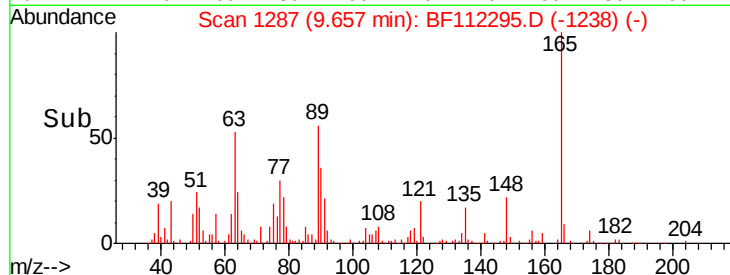
100000

50000

0

9.60 9.65 9.70

Time-->



#52

Acenaphthene

Concen: 24.284 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

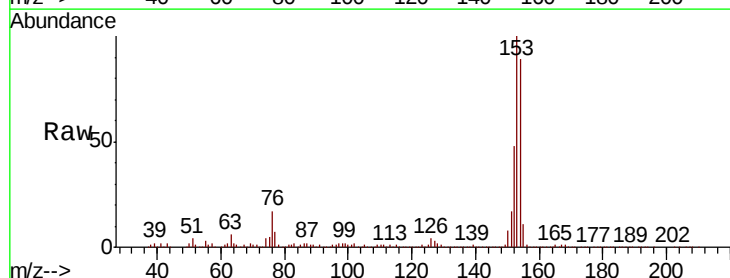
Tgt Ion:154 Resp: 446014

Ion Ratio Lower Upper

154 100

153 112.2 89.8 134.6

152 53.4 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

800000

600000

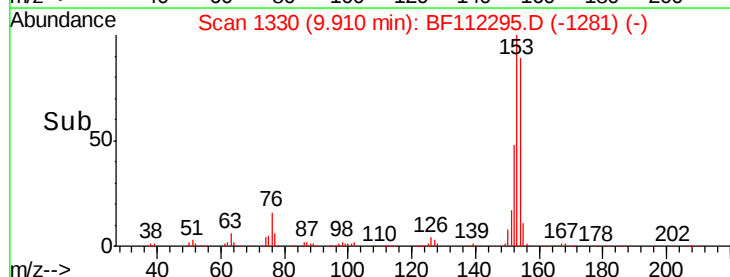
400000

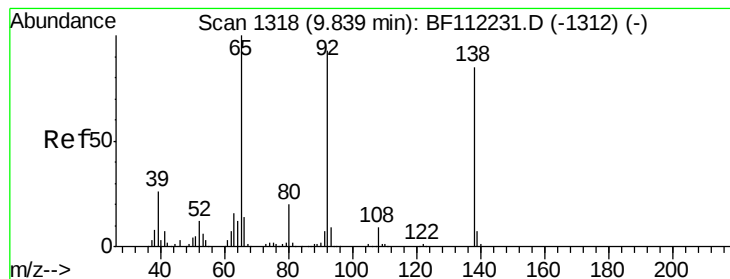
200000

0

9.80 9.85 9.90 9.95

Time-->





#53

3-Nitroaniline

Concen: 16.199 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

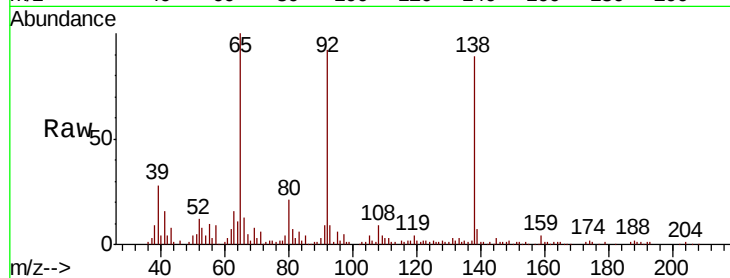
Tgt Ion:138 Resp: 94490

Ion Ratio Lower Upper

138 100

108 10.1 9.8 14.6

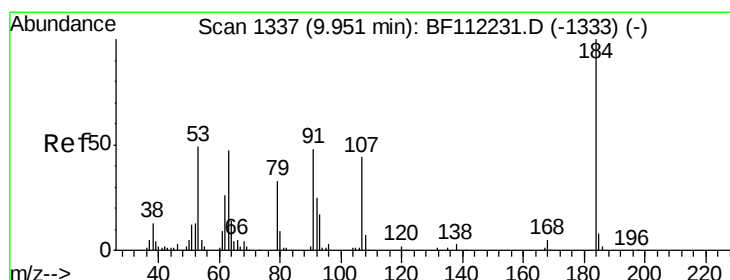
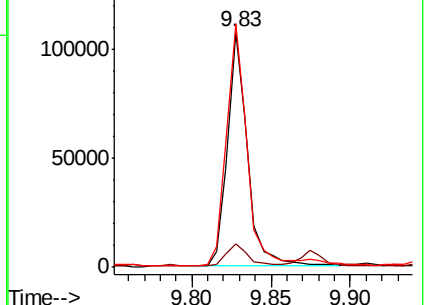
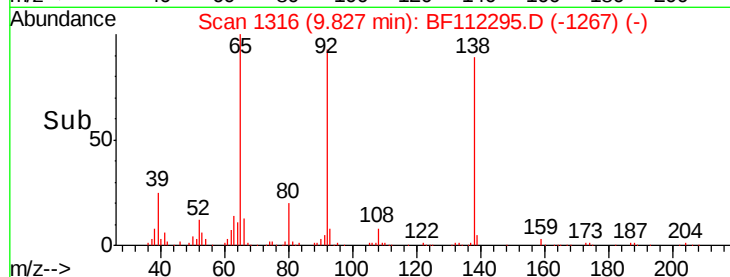
92 103.6 79.4 119.2



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: 14.000 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.00 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

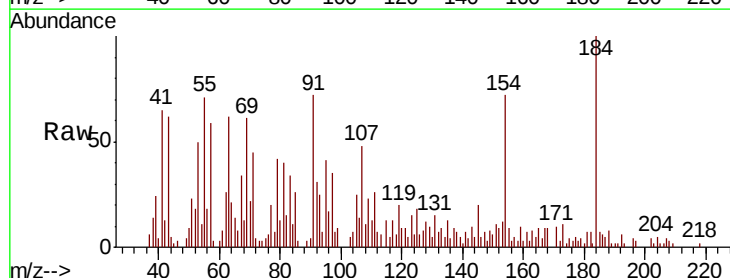
Tgt Ion:184 Resp: 24191

Ion Ratio Lower Upper

184 100

63 61.5 47.1 70.7

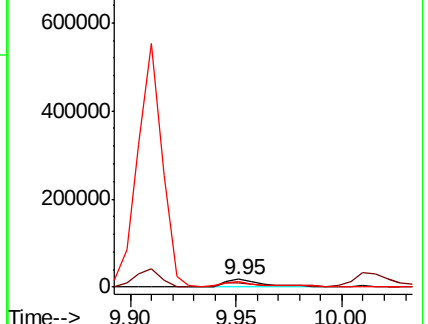
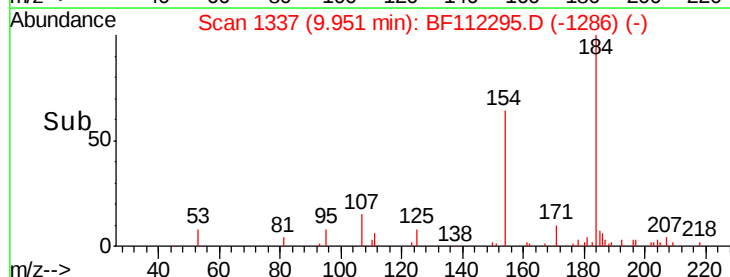
154 71.6 48.9 73.3

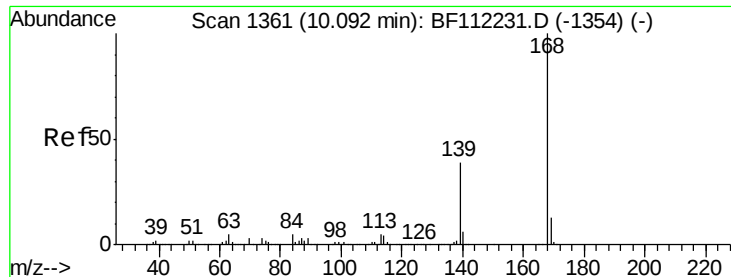


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

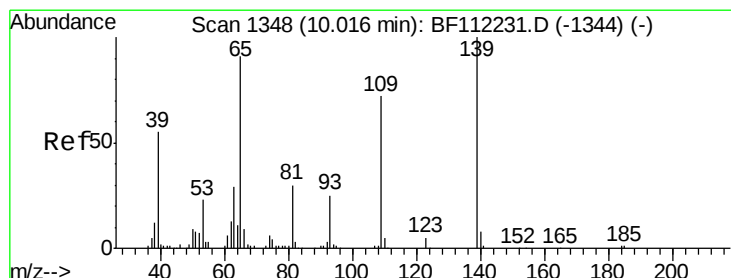
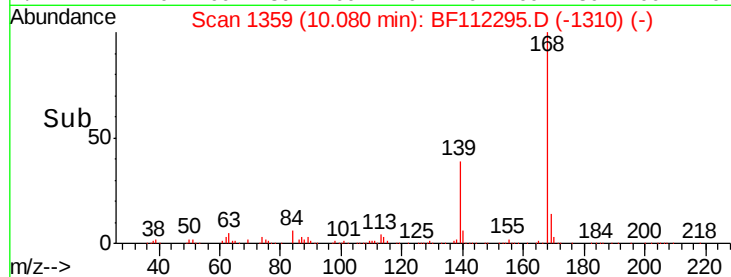
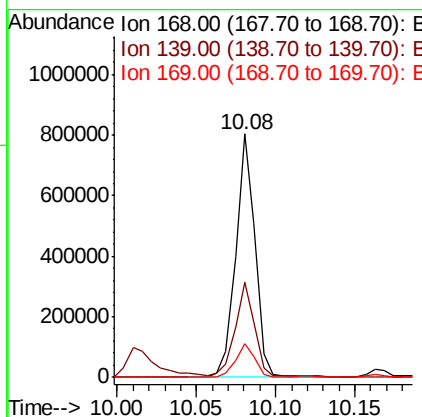
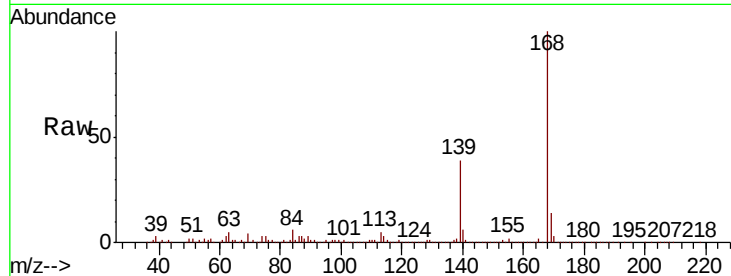




#55
Dibenzenofuran
Concen: 23.950 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

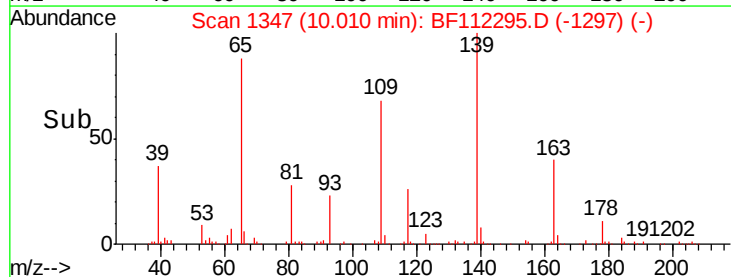
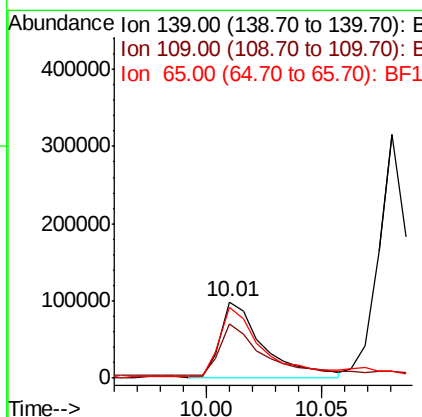
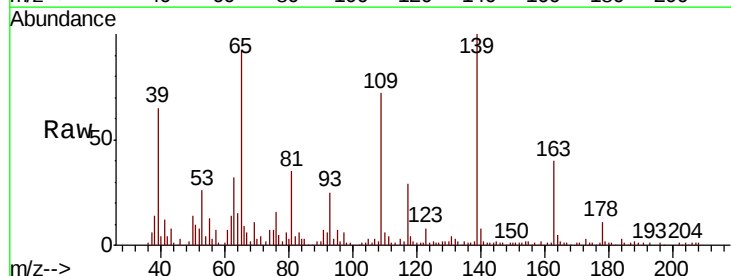
Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

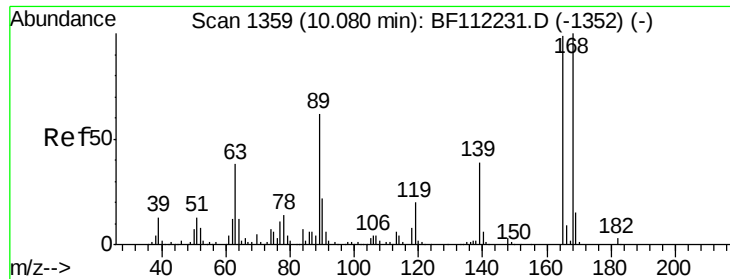
Tgt Ion:168 Resp: 672215
Ion Ratio Lower Upper
168 100
139 39.2 29.2 43.8
169 13.9 11.4 17.0



#56
4-Nitrophenol
Concen: 40.626 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion:139 Resp: 125284
Ion Ratio Lower Upper
139 100
109 71.7 42.8 82.8
65 92.3 66.1 106.1





#57

2,4-Dinitrotoluene

Concen: 23.191 ng

RT: 10.07 min Scan# 1357

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

Tgt Ion:165 Resp: 158960

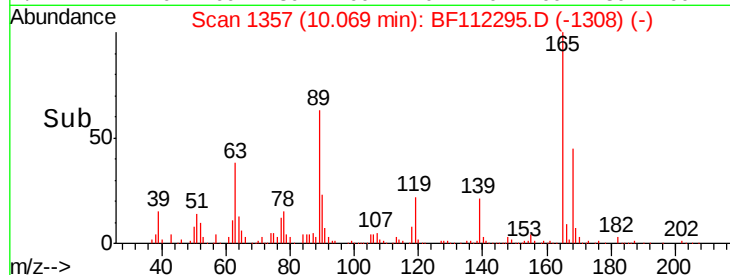
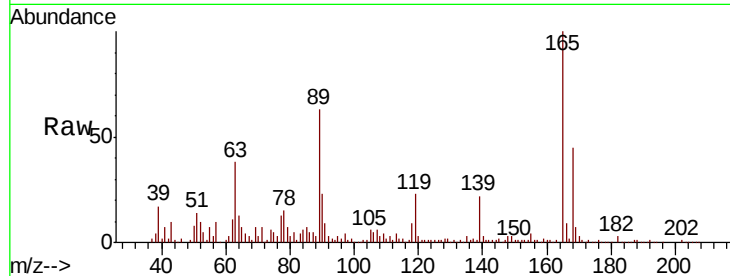
Ion Ratio Lower Upper

165 100

63 38.3 27.9 41.9

89 62.5 47.9 71.9

182 3.0 2.2 3.4

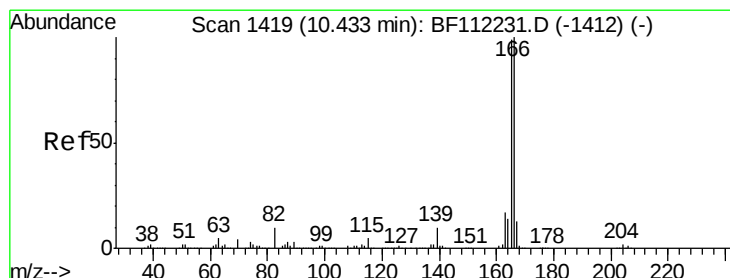
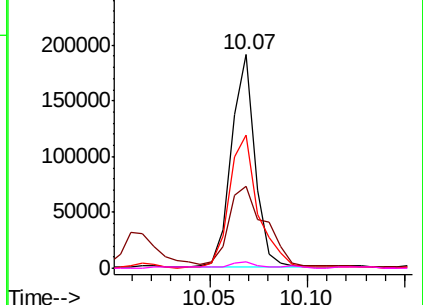


Abundance Ion 165.00 (164.70 to 165.70): E

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: 26.279 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

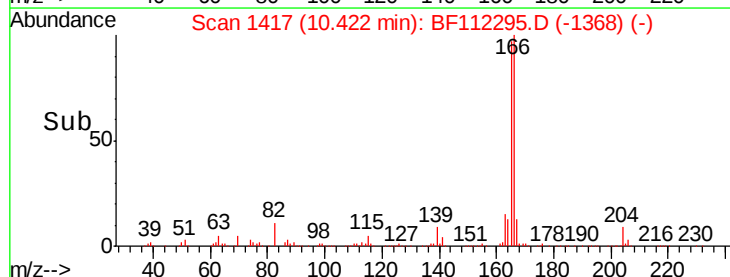
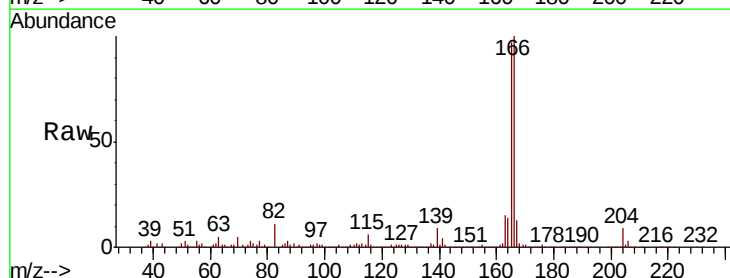
Tgt Ion:166 Resp: 551941

Ion Ratio Lower Upper

166 100

165 97.5 77.1 115.7

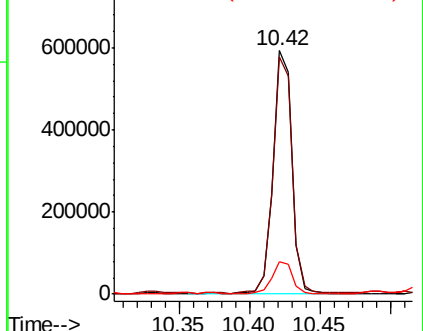
167 13.3 11.3 16.9

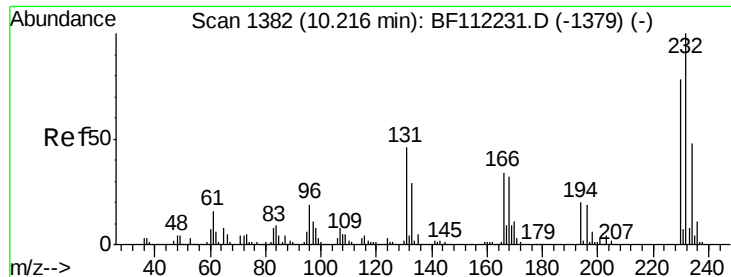


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

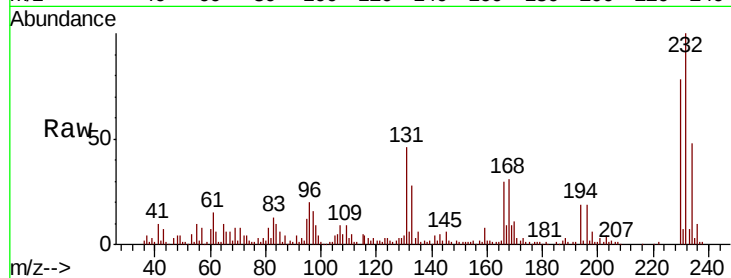




#59
2,3,4,6-Tetrachlorophenol
Concen: 23.302 ng
RT: 10.21 min Scan# 1381
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tgt Ion	Ratio	Lower	Upper
232	100		
131	46.4	33.9	50.9
130	3.8	1.8	2.6
166	29.9	23.6	35.4



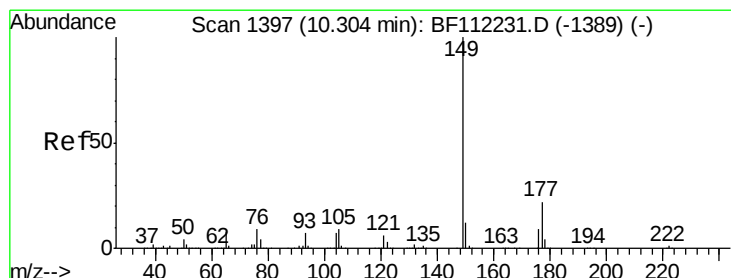
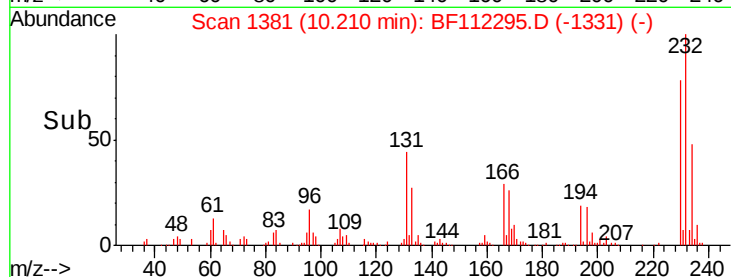
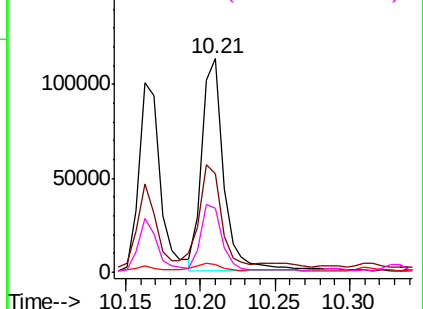
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

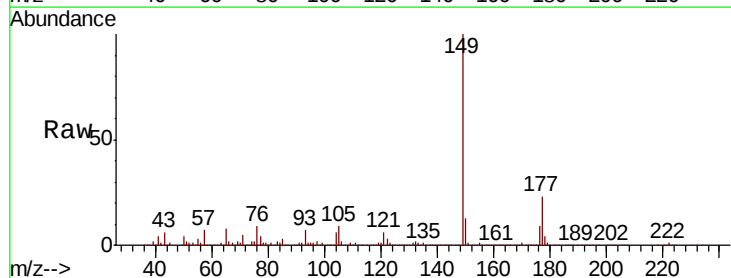
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 23.720 ng
RT: 10.29 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

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

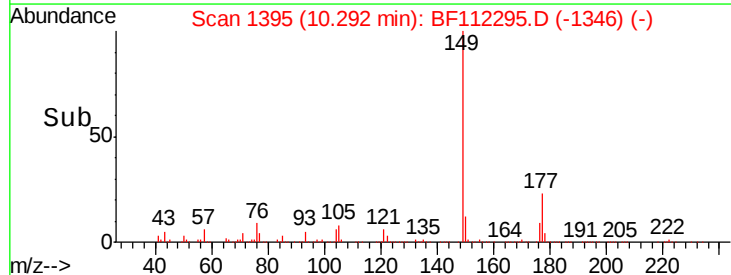
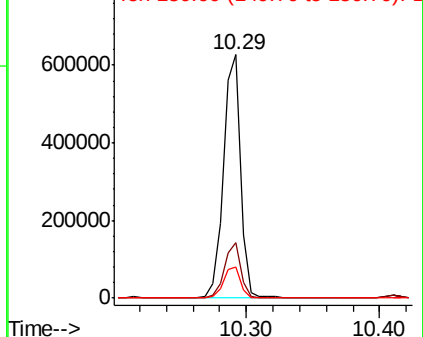


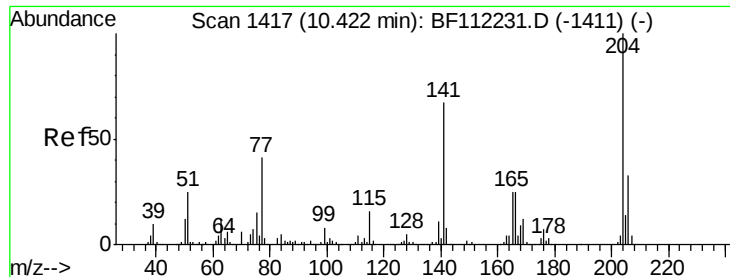
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

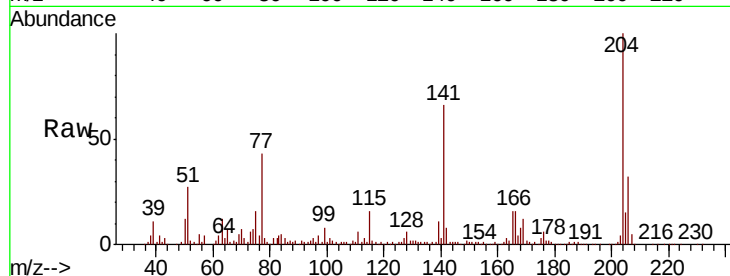




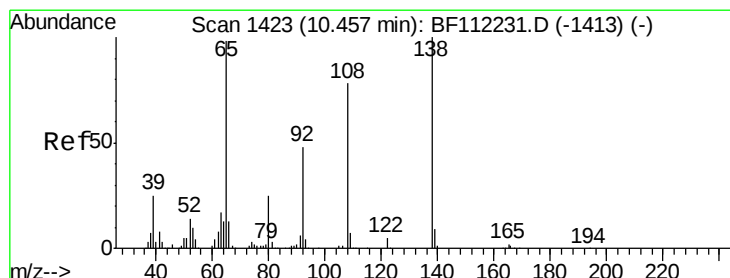
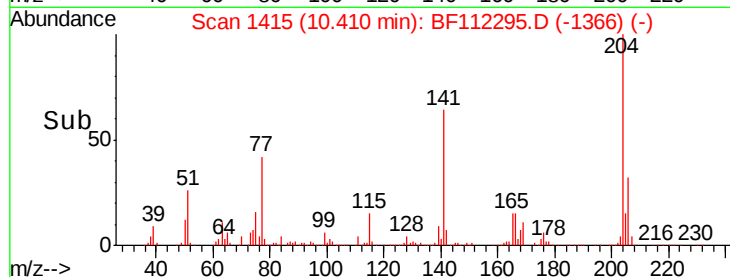
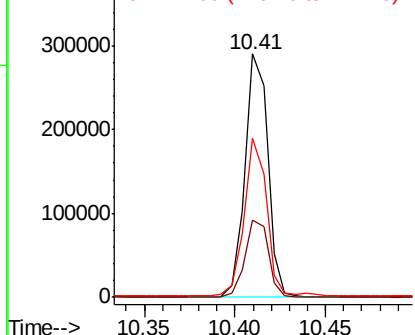
#61
4-Chlorophenyl-phenylether
Concen: 22.258 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tgt Ion: 204 Resp: 254295
Ion Ratio Lower Upper
204 100
206 31.9 26.5 39.7
141 65.5 45.9 68.9

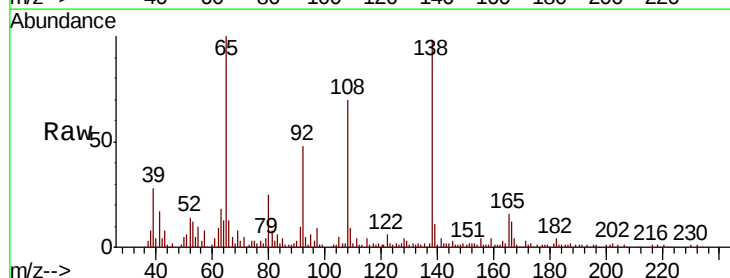


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

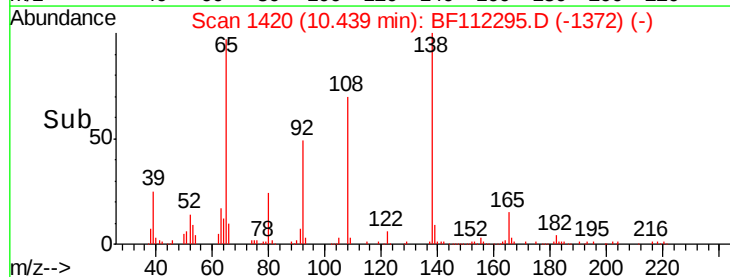
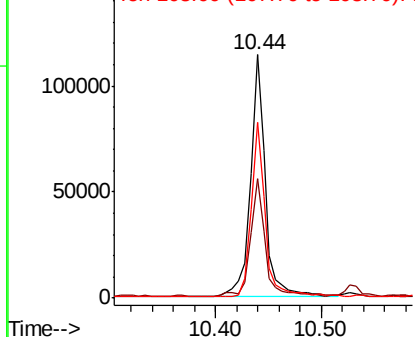


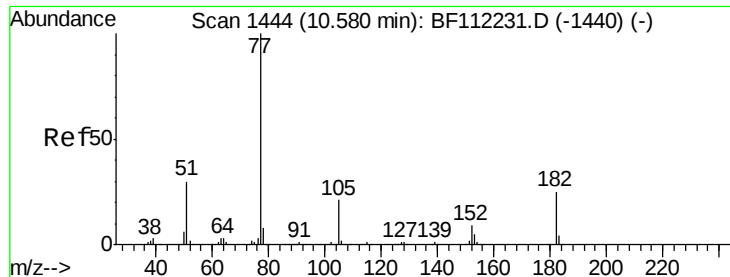
#62
4-Nitroaniline
Concen: 19.751 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.02 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion: 138 Resp: 113003
Ion Ratio Lower Upper
138 100
92 49.0 30.6 70.6
108 72.1 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: 22.161 ng

RT: 10.57 min Scan# 1443

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

Tgt Ion: 77 Resp: 464980

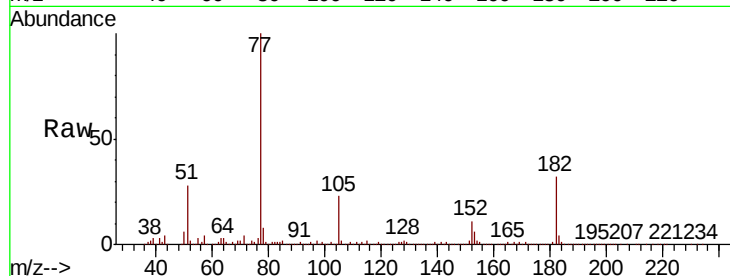
Ion Ratio Lower Upper

77 100

182 32.5 5.7 45.7

105 23.1 1.4 41.4

51 28.2 9.5 49.5

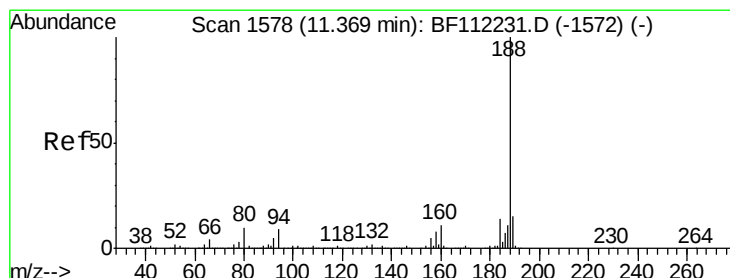
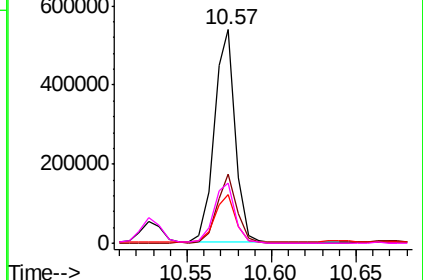
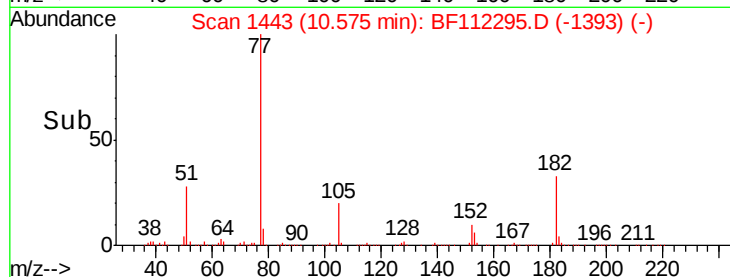


Abundance Ion 77.00 (76.70 to 77.70): BF1

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# 1577

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

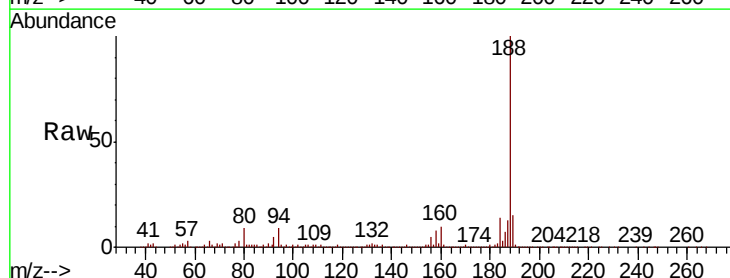
Tgt Ion: 188 Resp: 516116

Ion Ratio Lower Upper

188 100

94 8.6 8.2 12.2

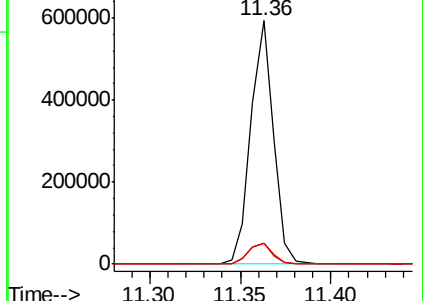
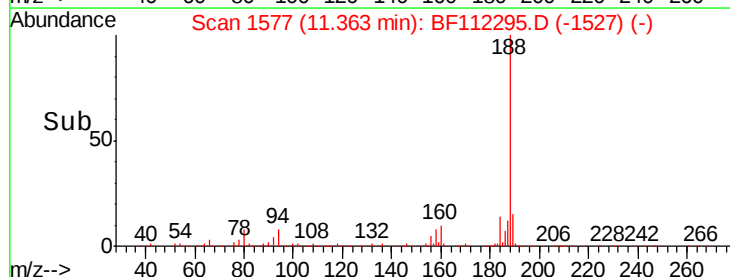
80 8.7 8.9 13.3#

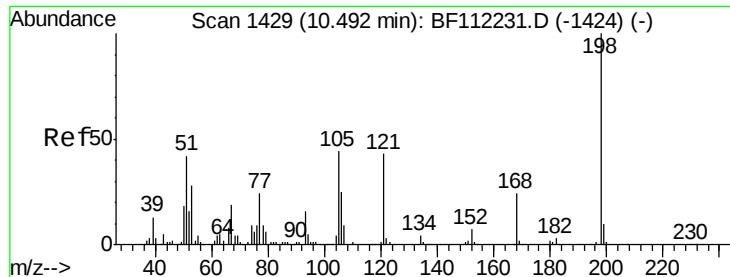


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

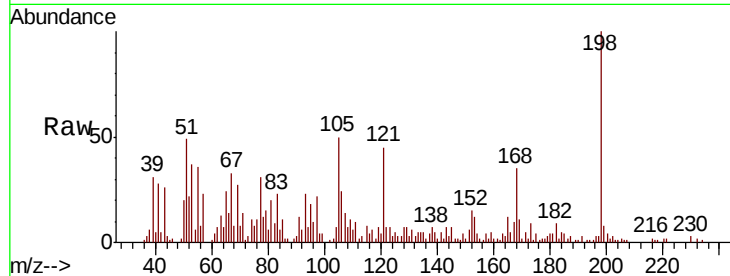




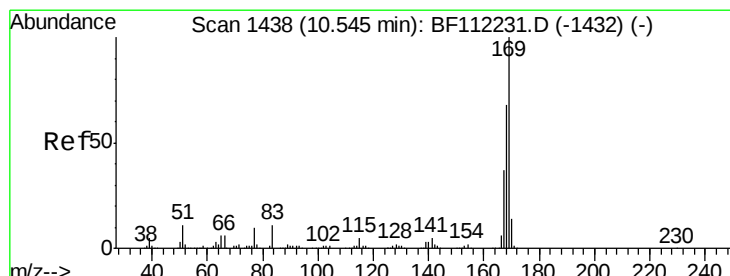
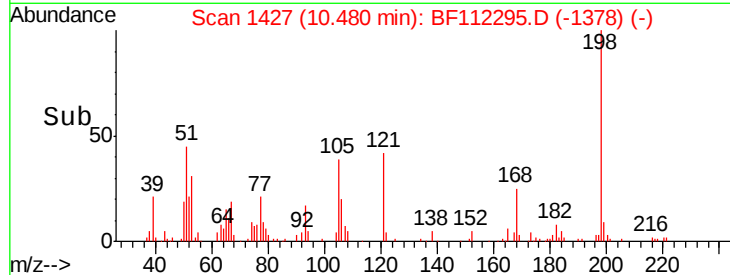
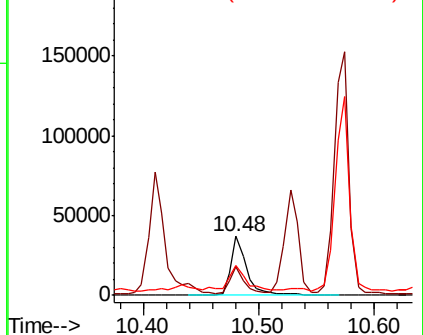
#65
 4,6-Dinitro-2-methylphenol
 Concen: 12.341 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819MSD

Tgt Ion:198 Resp: 35712
 Ion Ratio Lower Upper
 198 100
 51 48.9 17.2 57.2
 105 50.1 21.9 61.9

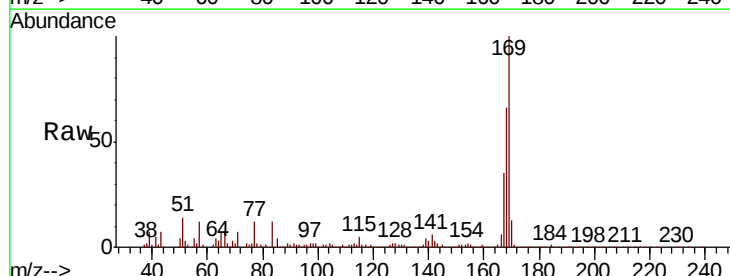


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

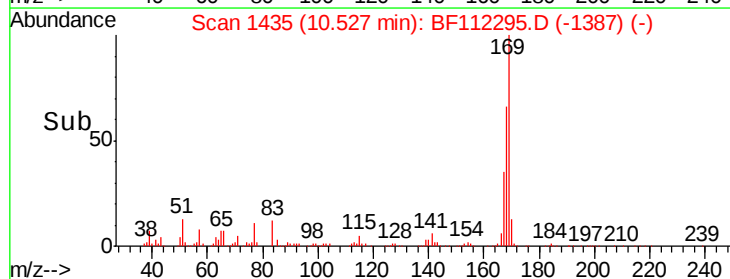
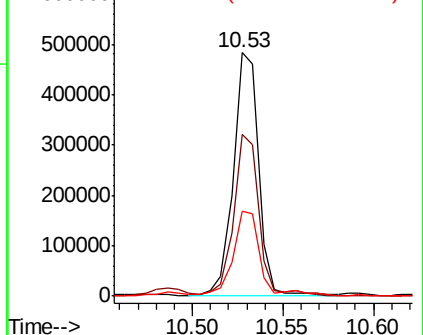


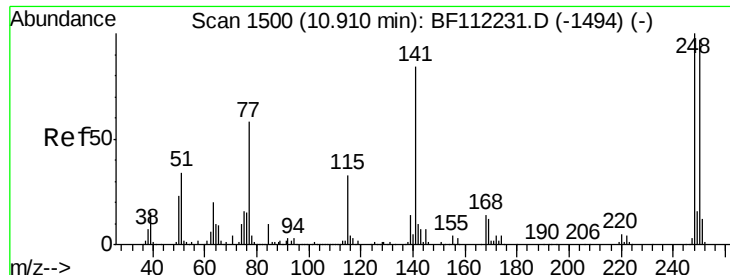
#66
 n-Nitrosodiphenylamine
 Concen: 26.720 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.02 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Tgt Ion:169 Resp: 464791
 Ion Ratio Lower Upper
 169 100
 168 66.4 53.9 80.9
 167 35.1 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

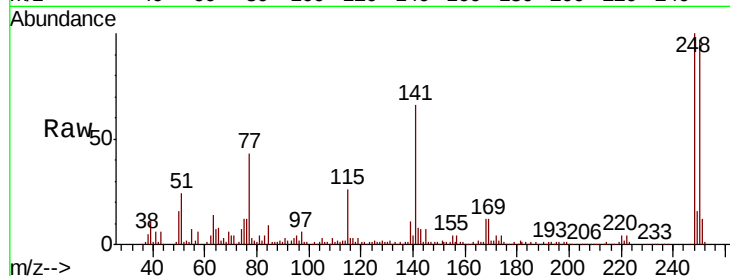




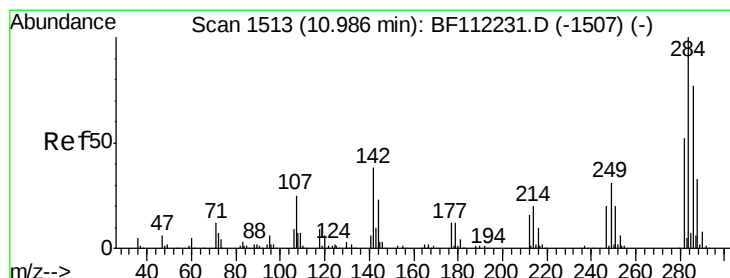
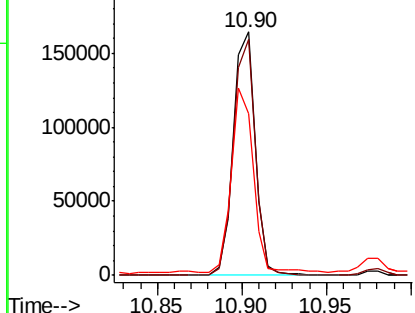
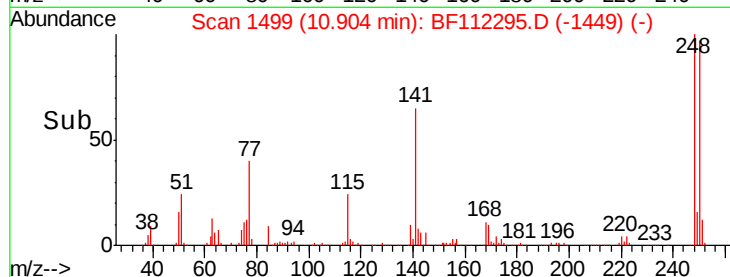
#67
 4-Bromophenyl-phenylether
 Concen: 24.352 ng
 RT: 10.90 min Scan# 1499
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819MSD

Tgt Ion:248 Resp: 147826
 Ion Ratio Lower Upper
 248 100
 250 96.7 79.7 119.5
 141 66.3 60.3 90.5

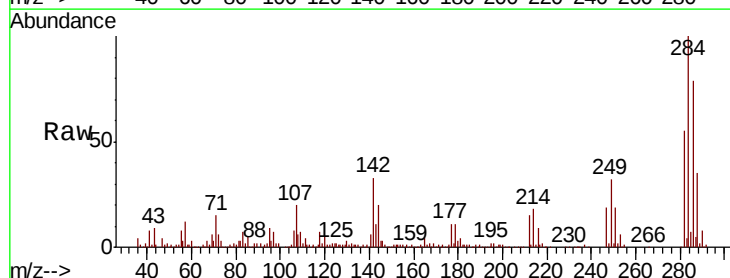


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

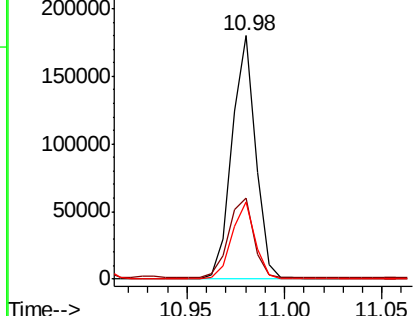
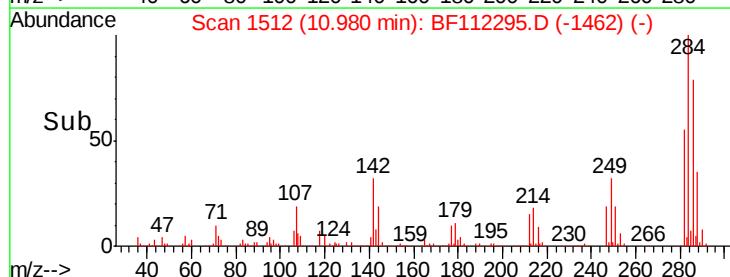


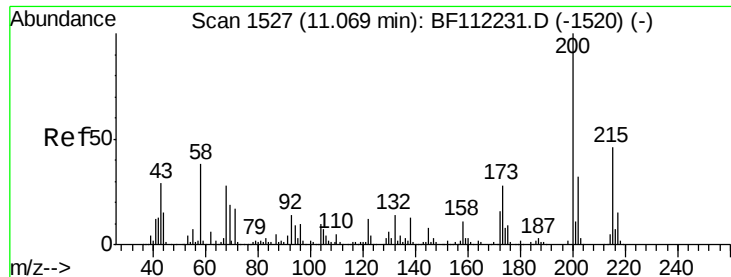
#68
 Hexachlorobenzene
 Concen: 23.339 ng
 RT: 10.98 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Tgt Ion:284 Resp: 151996
 Ion Ratio Lower Upper
 284 100
 142 33.1 27.6 41.4
 249 31.6 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: 25.657 ng

RT: 11.06 min Scan# 1525

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

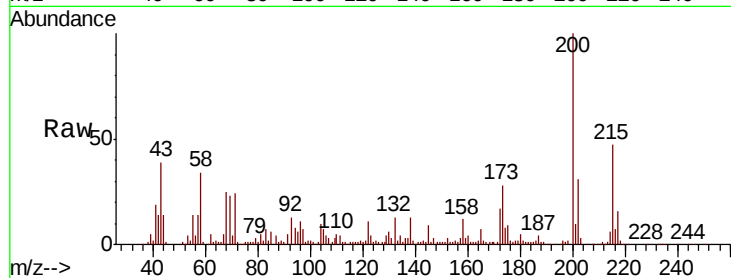
Tgt Ion:200 Resp: 144005

Ion Ratio Lower Upper

200 100

173 27.7 7.1 47.1

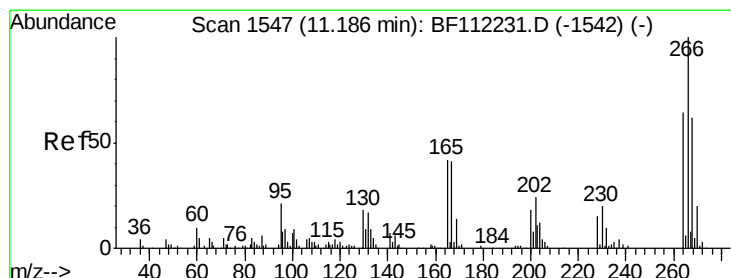
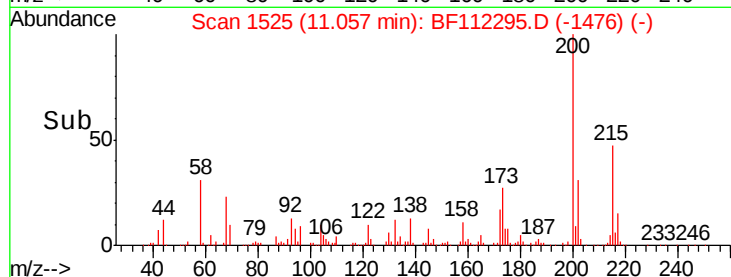
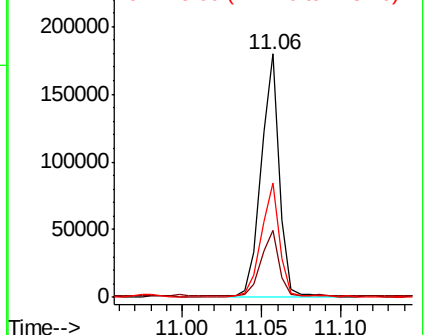
215 47.2 30.4 70.4



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: 37.990 ng

RT: 11.18 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

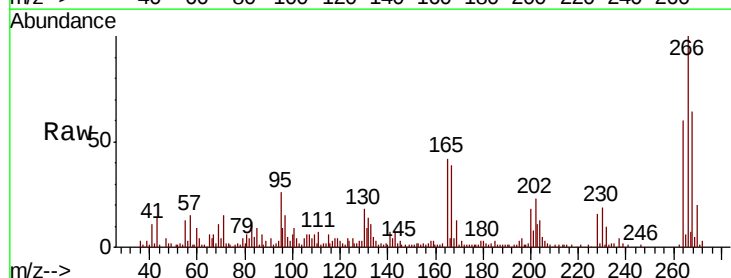
Tgt Ion:266 Resp: 96270

Ion Ratio Lower Upper

266 100

268 63.6 51.2 76.8

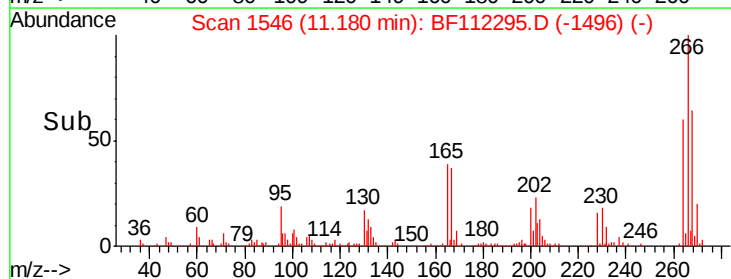
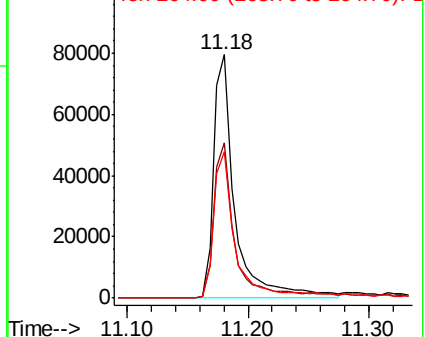
264 60.3 50.9 76.3

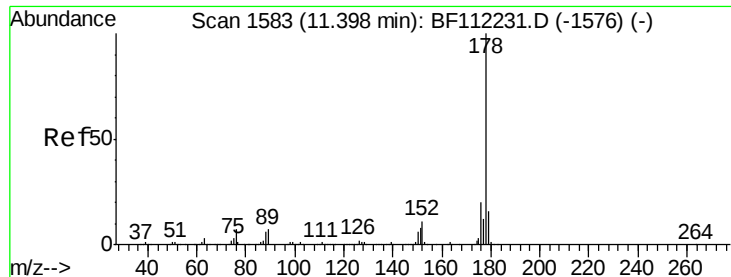


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

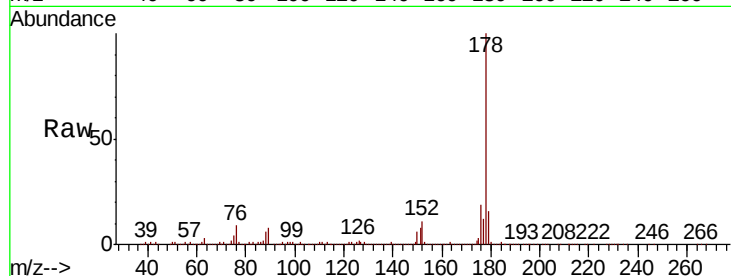




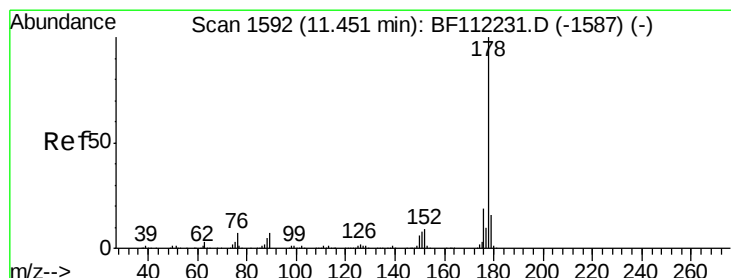
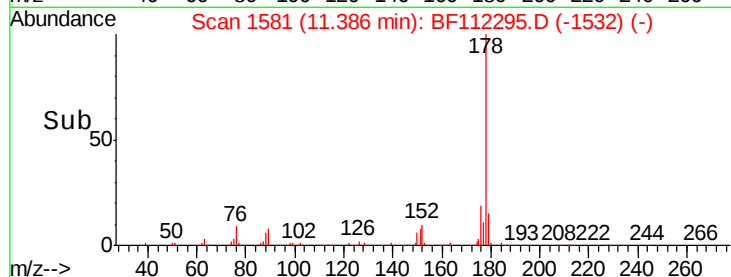
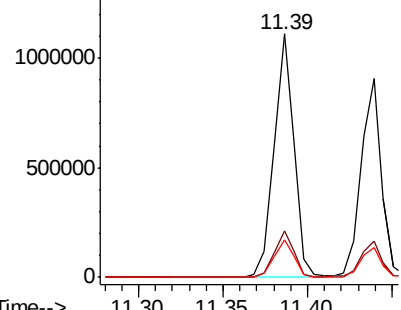
#71
Phenanthrene
Concen: 34.036 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tgt Ion:178 Resp: 913256
Ion Ratio Lower Upper
178 100
176 19.1 16.3 24.5
179 15.7 13.0 19.4

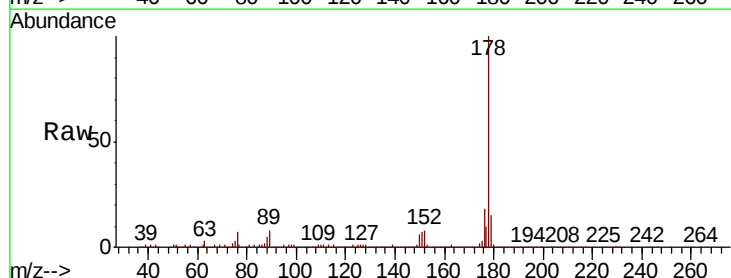


Abundance Ion 178.00 (177.70 to 178.70): E
1500000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

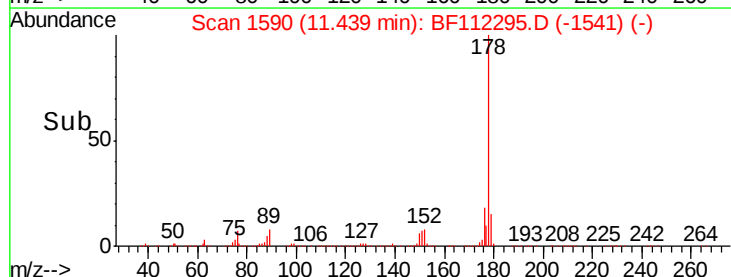
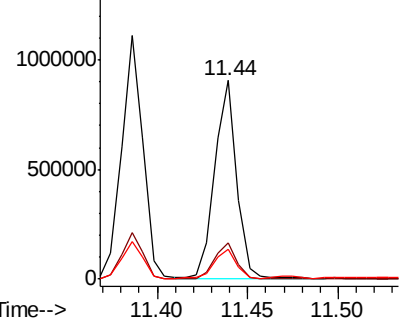


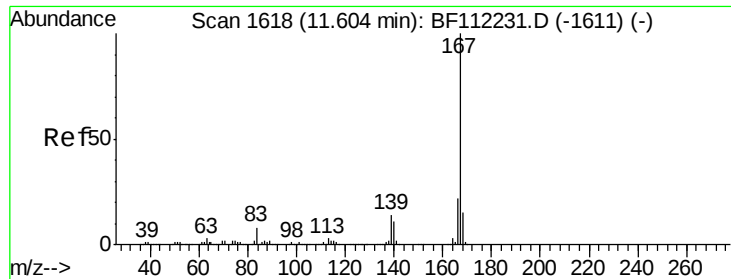
#72
Anthracene
Concen: 28.570 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion:178 Resp: 763625
Ion Ratio Lower Upper
178 100
176 18.2 15.5 23.3
179 15.2 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
1500000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

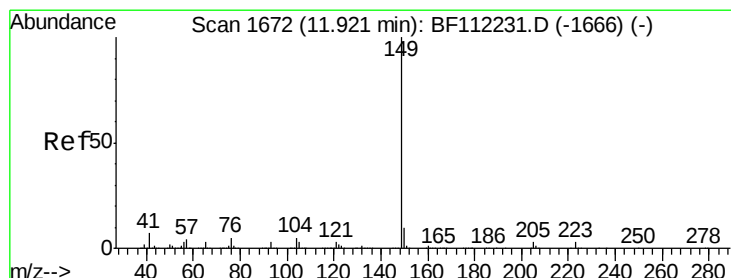
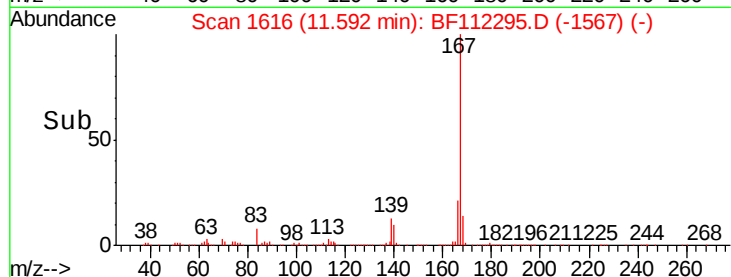
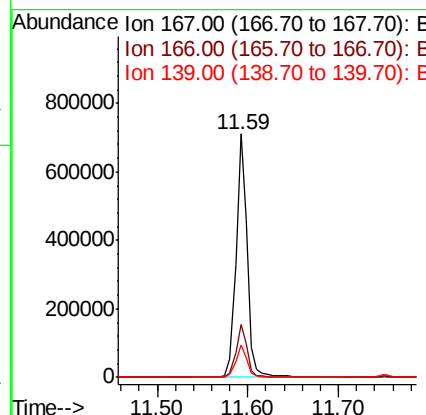
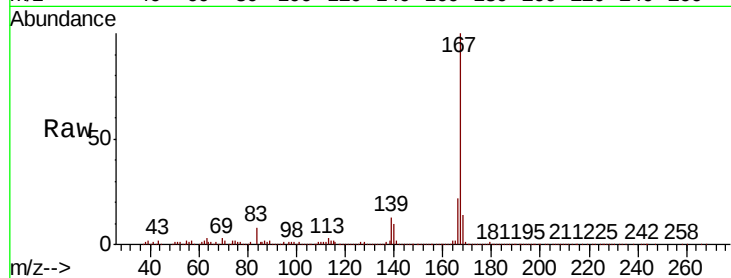




#73
 Carbazole
 Concen: 22.890 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

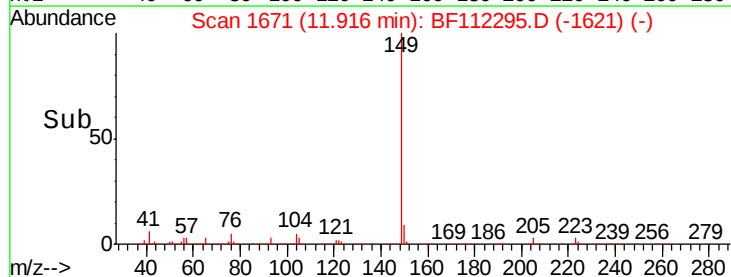
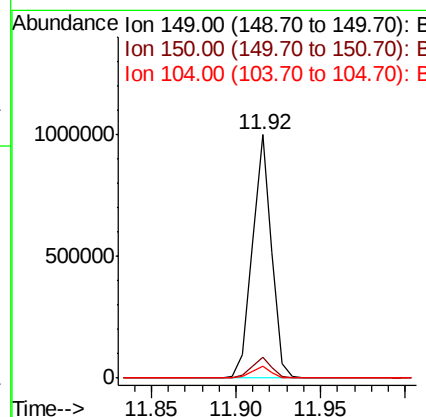
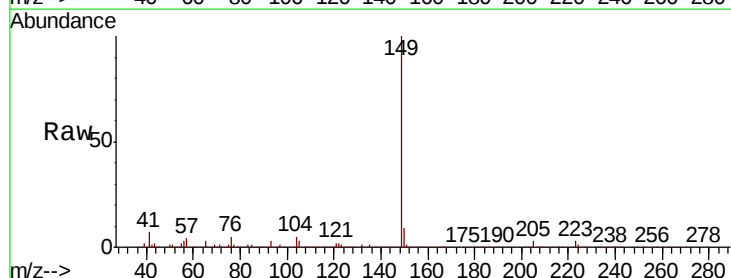
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-012819MSD

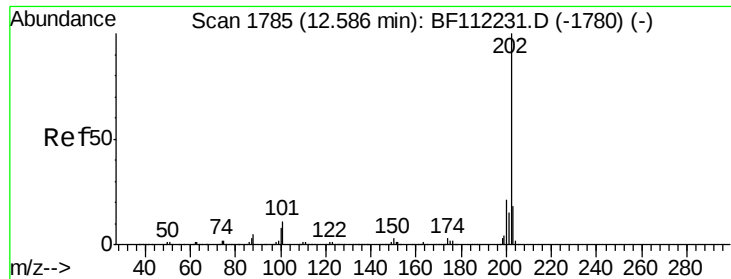
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.9	26.9
139	13.2	10.2	15.2



#74
 Di-n-butylphthalate
 Concen: 24.237 ng
 RT: 11.92 min Scan# 1671
 Delta R.T. -0.01 min
 Lab File: BF112295.D
 Acq: 29 Jan 2019 15:16

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.8	8.1	12.1
104	4.7	3.9	5.9





#75

Fluoranthene

Concen: 31.517 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

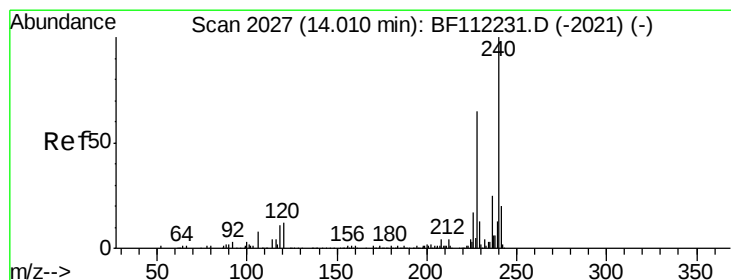
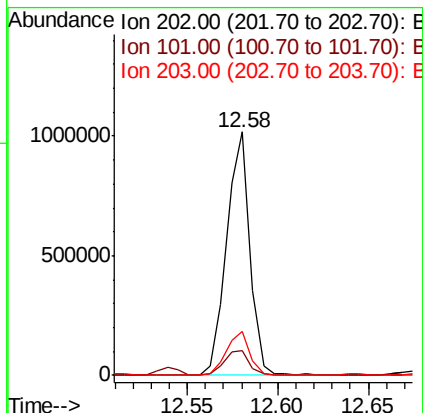
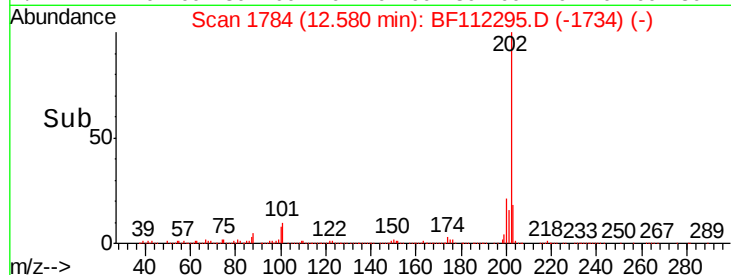
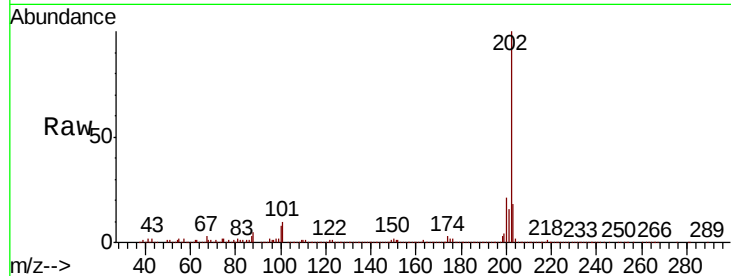
Tgt Ion:202 Resp: 907031

Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.8

203 17.9 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: BF112295.D

Acq: 29 Jan 2019 15:16

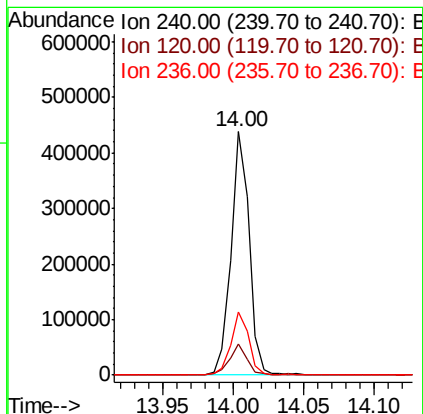
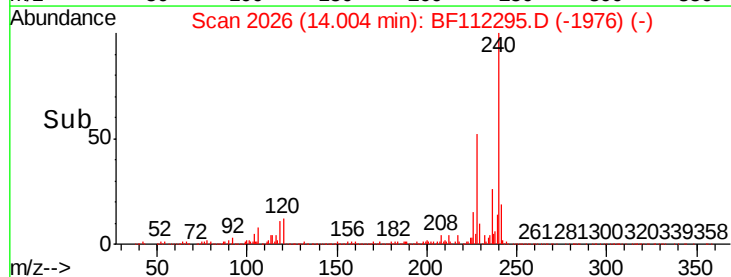
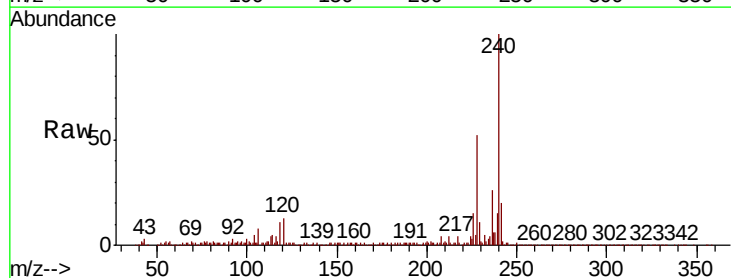
Tgt Ion:240 Resp: 390654

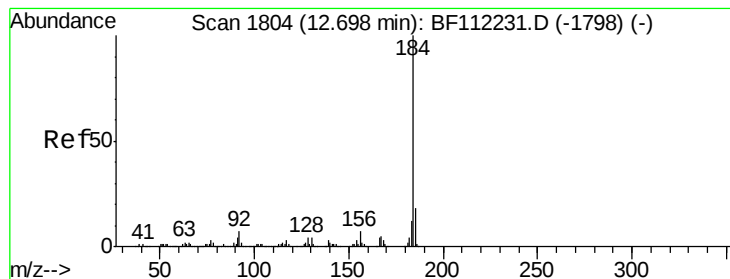
Ion Ratio Lower Upper

240 100

120 12.7 9.0 13.6

236 26.0 20.7 31.1





#77

Benzidine

Concen: 29.754 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

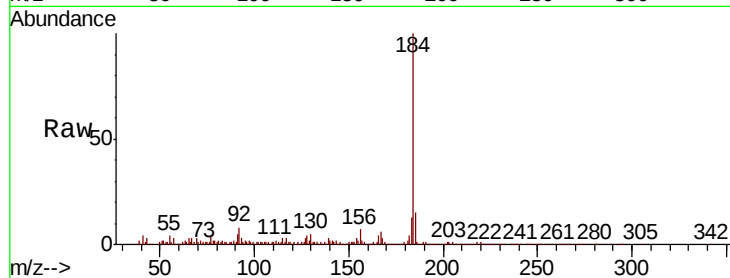
Tgt Ion:184 Resp: 319916

Ion Ratio Lower Upper

184 100

185 15.2 13.9 20.9

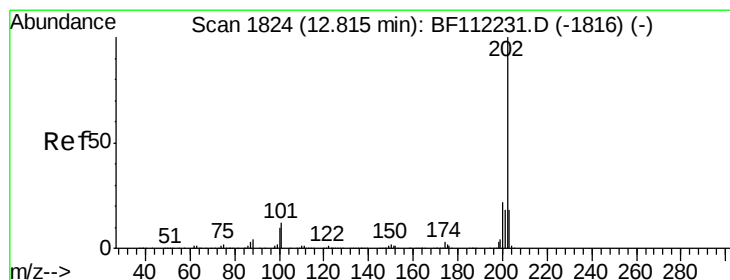
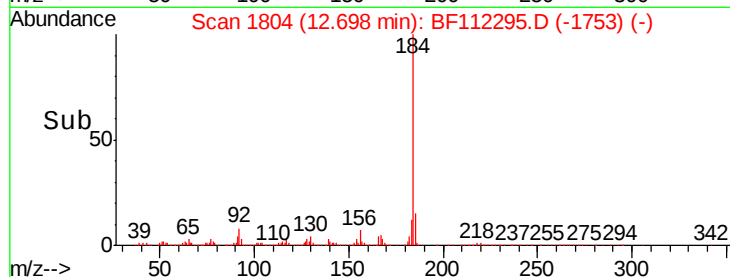
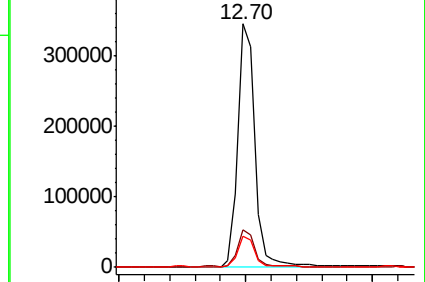
183 12.6 10.0 15.0



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: 34.814 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

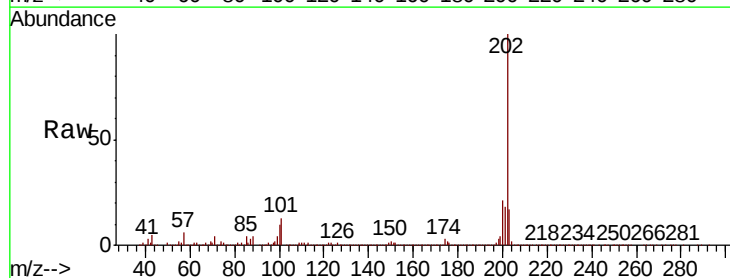
Tgt Ion:202 Resp: 941611

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

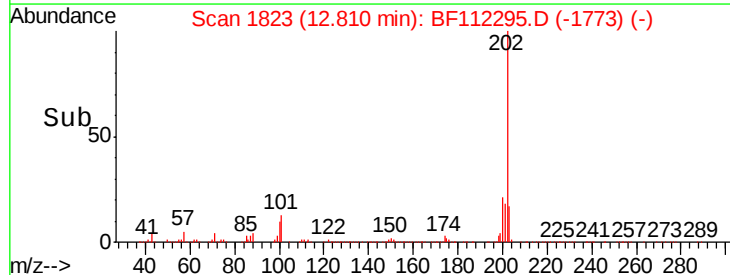
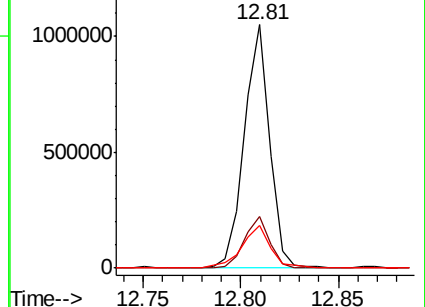
203 17.4 14.6 22.0

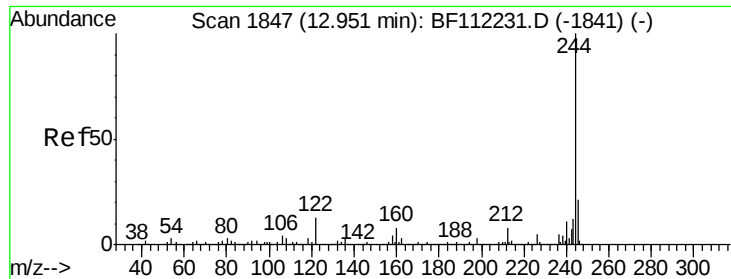


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 42.361 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

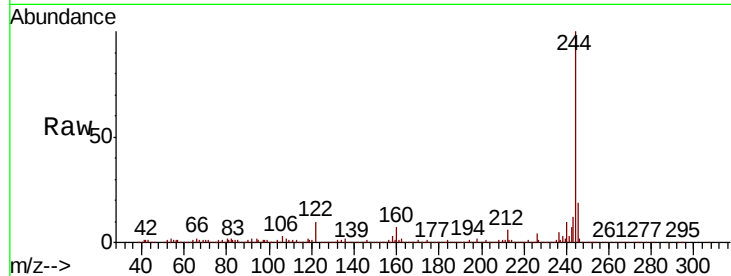
Tgt Ion:244 Resp: 878626

Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

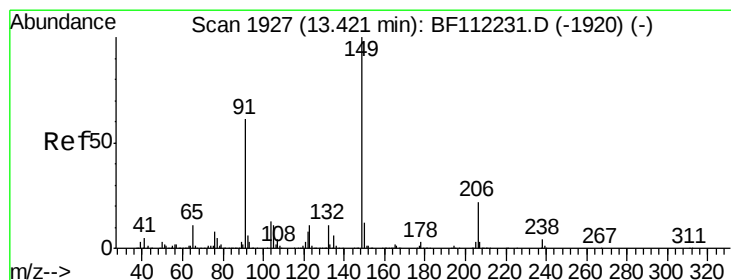
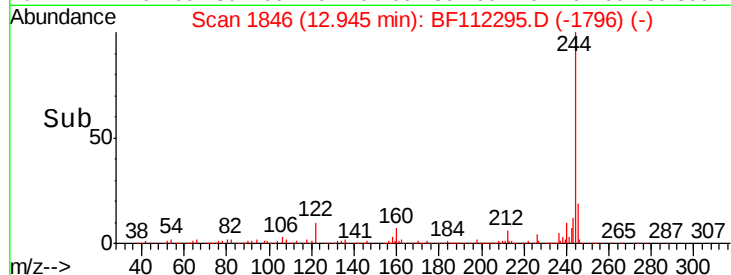
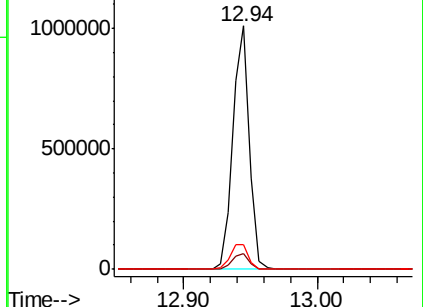
122 10.3 9.8 14.6



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: 22.053 ng

RT: 13.42 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

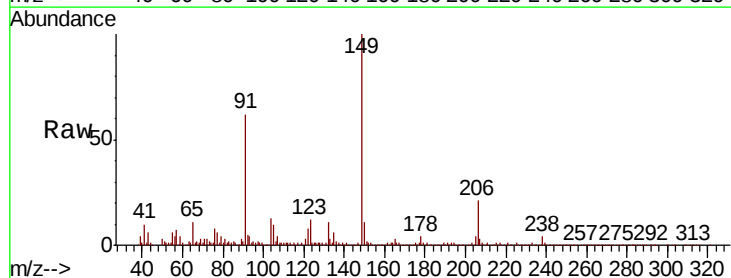
Tgt Ion:149 Resp: 288573

Ion Ratio Lower Upper

149 100

91 62.5 50.3 75.5

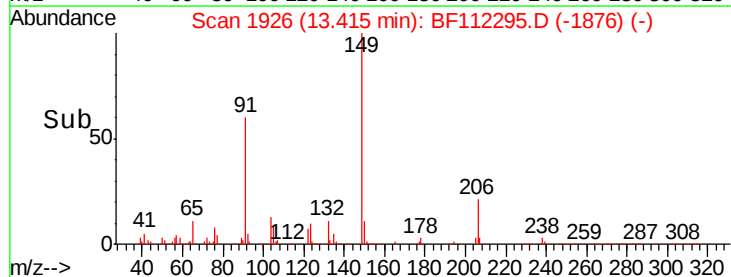
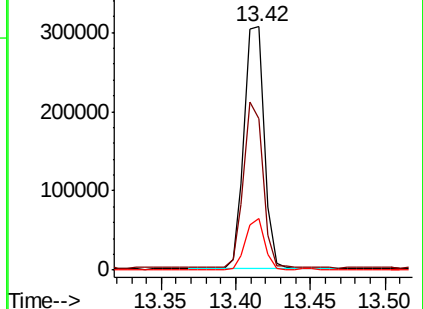
206 21.2 18.2 27.4

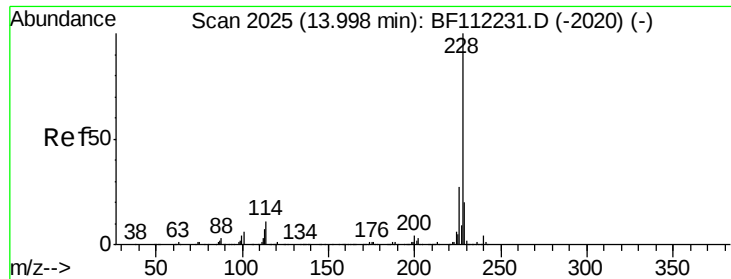


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

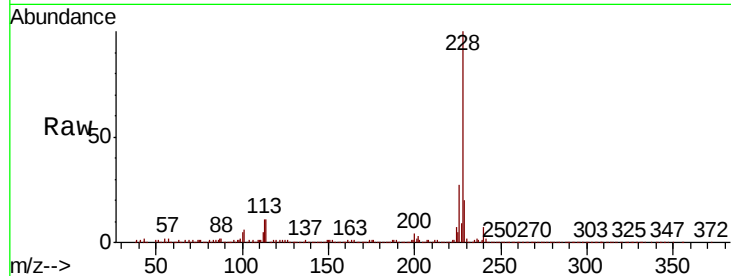




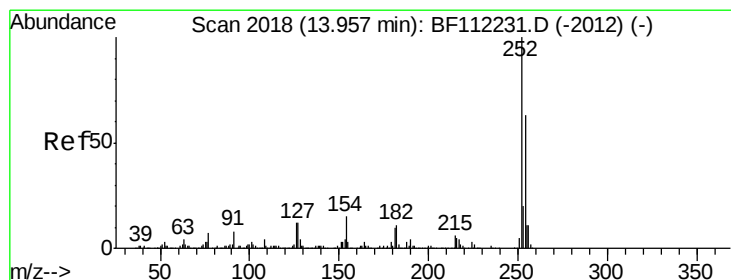
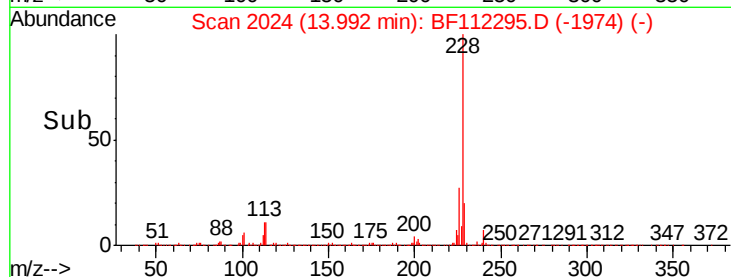
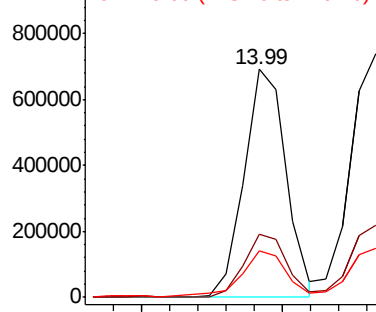
#81
Benzo(a)anthracene
Concen: 30.791 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tgt Ion:228 Resp: 707095
Ion Ratio Lower Upper
228 100
226 27.5 22.6 34.0
229 20.4 16.5 24.7

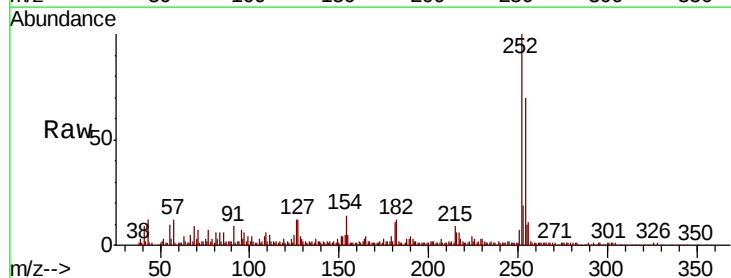


Abundance Ion 228.00 (227.70 to 228.70): E
1000000 Ion 226.00 (225.70 to 226.70): E
800000 Ion 229.00 (228.70 to 229.70): E

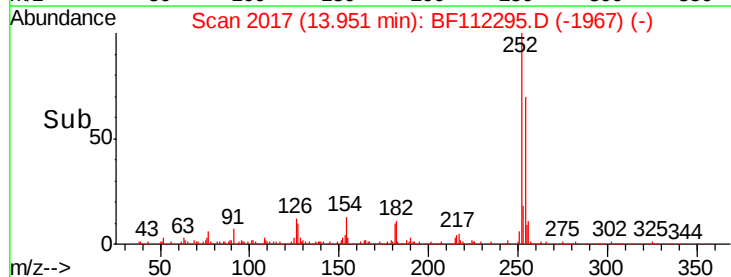
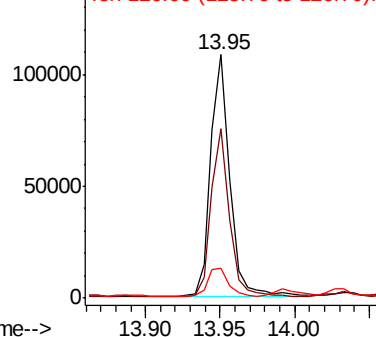


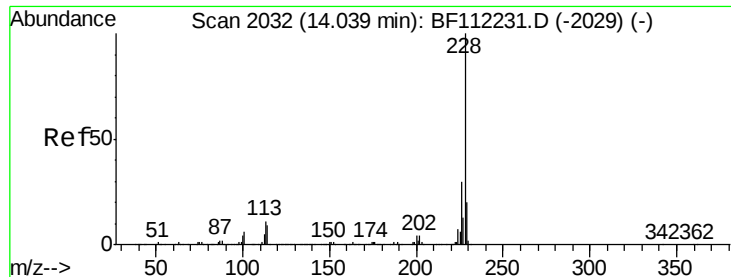
#82
3,3'-Dichlorobenzidine
Concen: 11.444 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion:252 Resp: 98351
Ion Ratio Lower Upper
252 100
254 69.7 51.6 77.4
126 12.5 8.6 12.8



Abundance Ion 252.00 (251.70 to 252.70): E
150000 Ion 254.00 (253.70 to 254.70): E
100000 Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 30.835 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

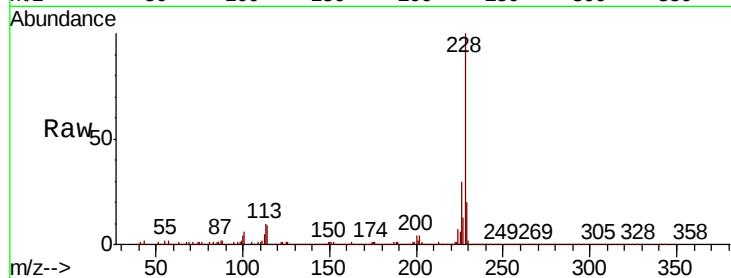
Tgt Ion: 228 Resp: 675940

Ion Ratio Lower Upper

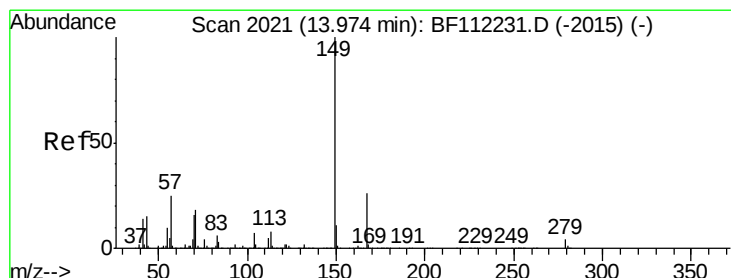
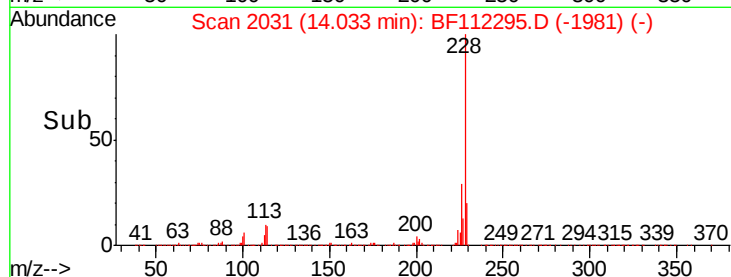
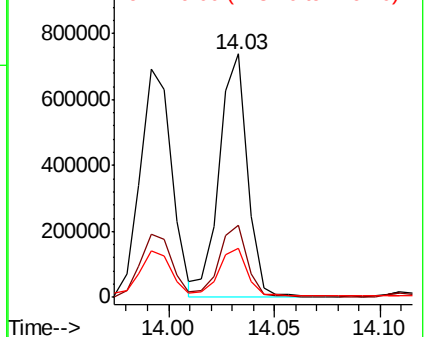
228 100

226 29.8 25.0 37.6

229 20.2 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: 21.533 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

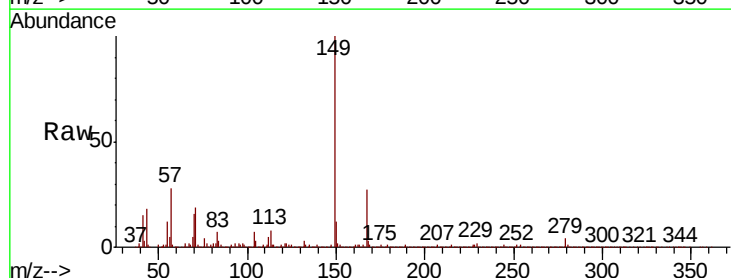
Tgt Ion: 149 Resp: 399971

Ion Ratio Lower Upper

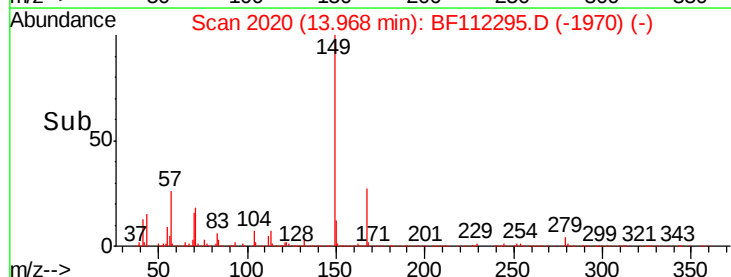
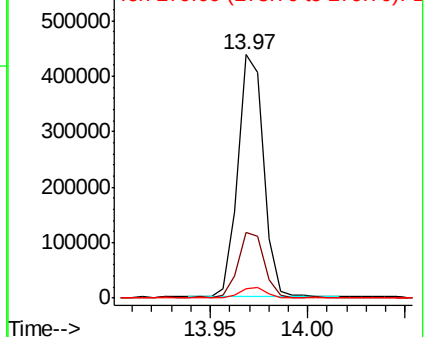
149 100

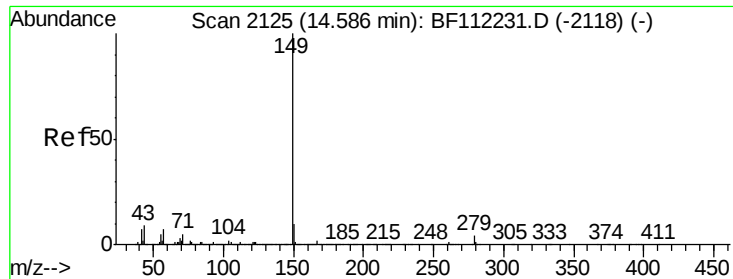
167 26.8 22.5 33.7

279 3.6 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: 23.671 ng

RT: 14.58 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

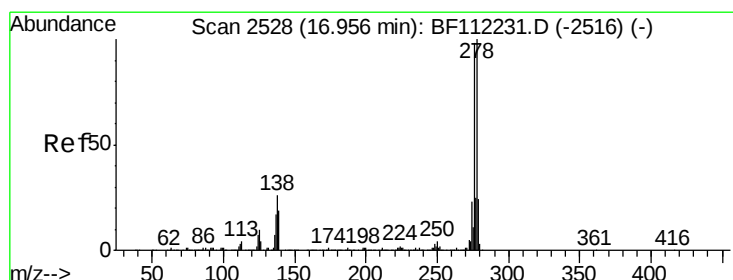
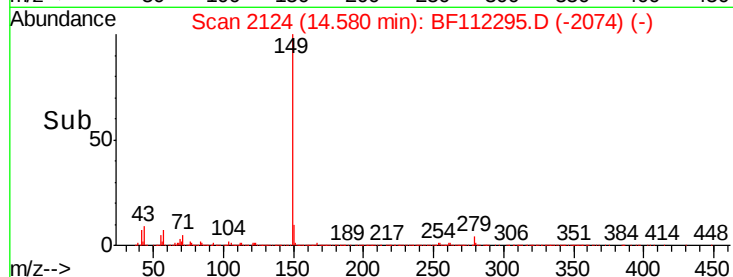
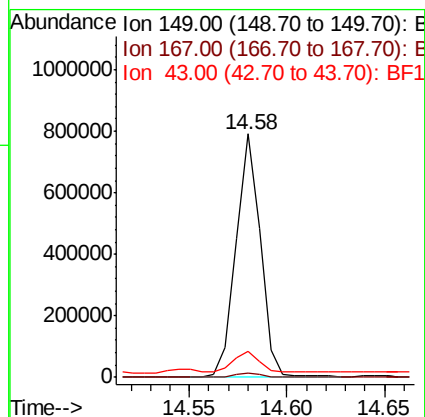
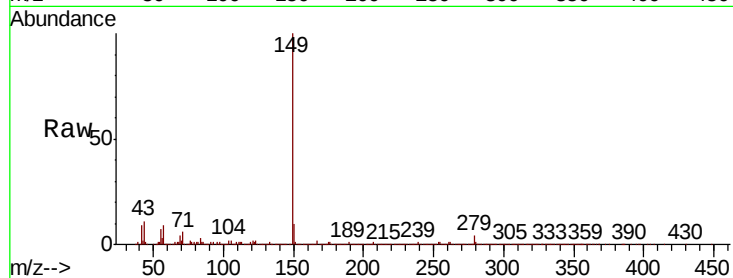
Instrument :

BNA_F

ClientSampleId :

HD-01-012819MSD

Tgt Ion:	149	Resp:	676467
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.0	7.8	11.6



#86

Indeno(1,2,3-cd)pyrene

Concen: 35.133 ng

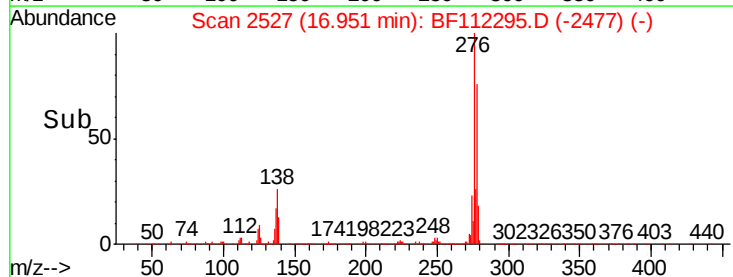
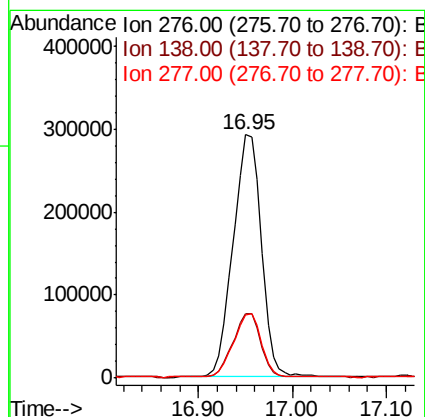
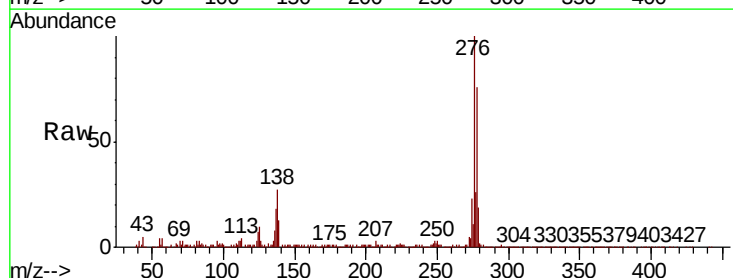
RT: 16.95 min Scan# 2527

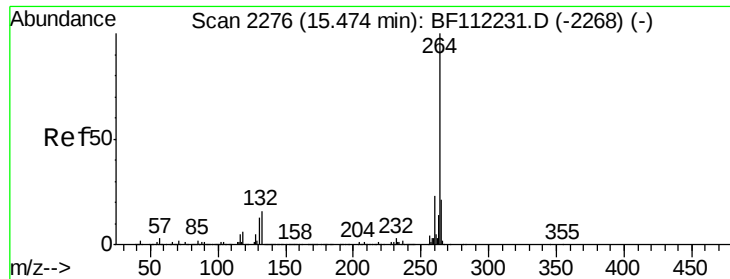
Delta R.T. -0.01 min

Lab File: BF112295.D

Acq: 29 Jan 2019 15:16

Tgt Ion:	276	Resp:	610254
Ion	Ratio	Lower	Upper
276	100		
138	26.2	22.6	34.0
277	26.0	20.3	30.5



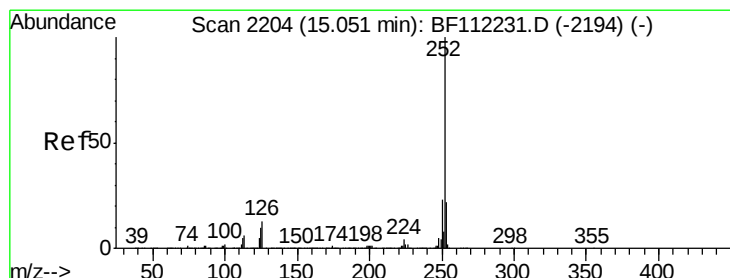
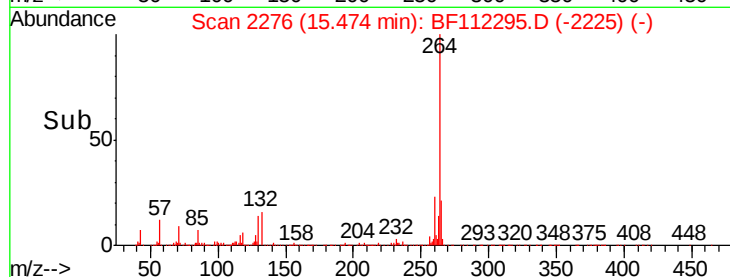
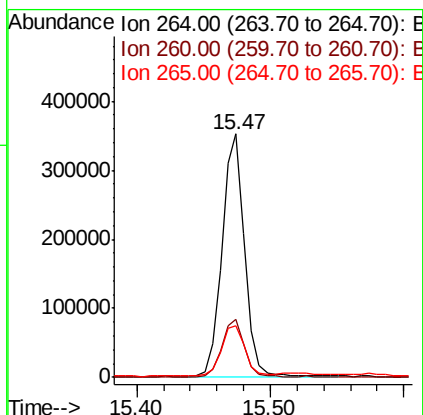
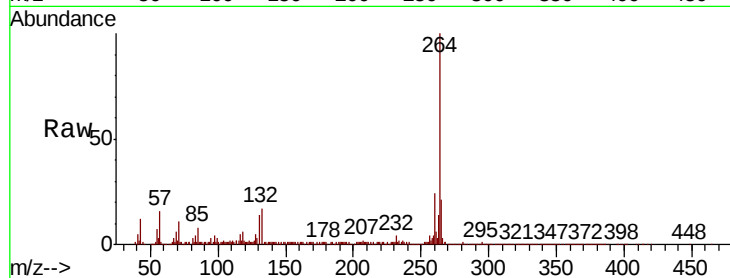


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tgt Ion: 264 Resp: 414625

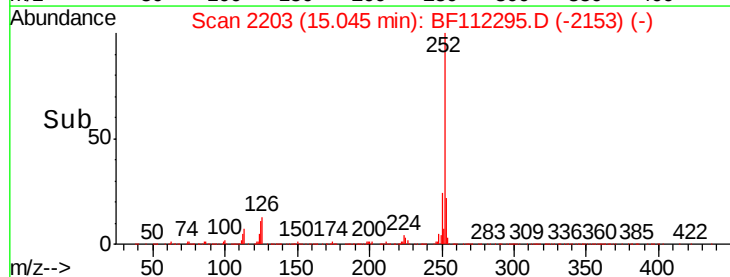
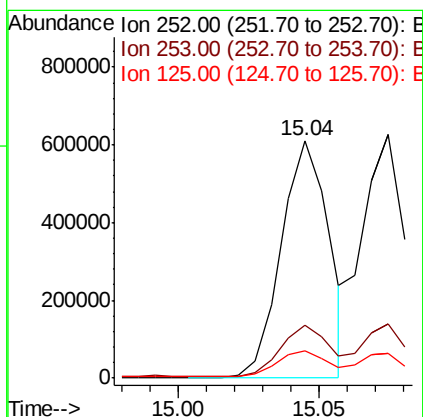
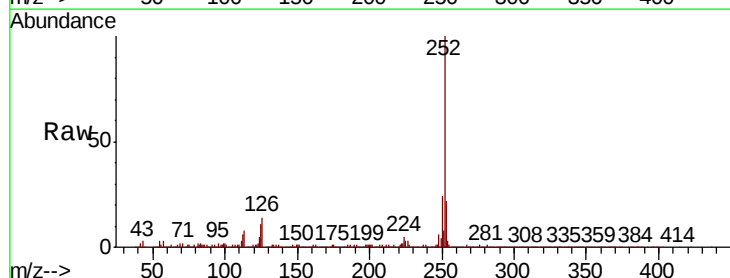
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.2
265	21.4	17.0	25.4

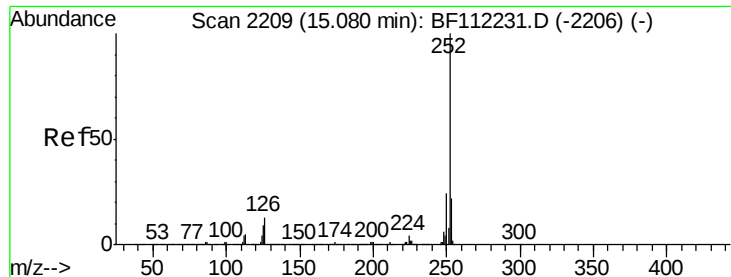


#88
Benzo(b)fluoranthene
Concen: 28.775 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion: 252 Resp: 713513

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	11.4	8.7	13.1

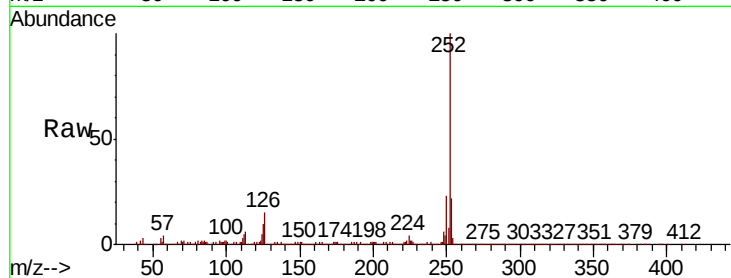




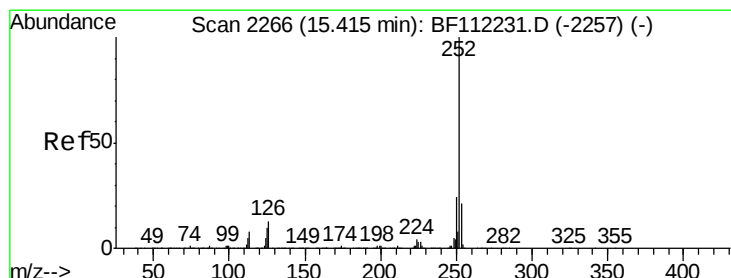
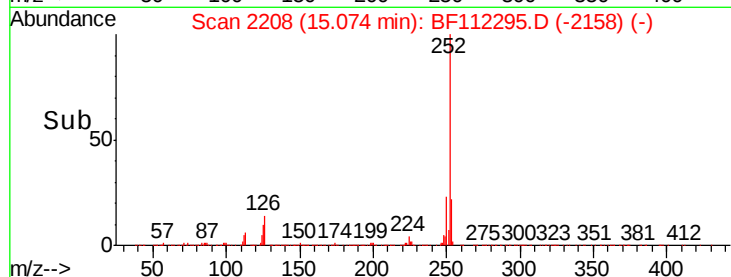
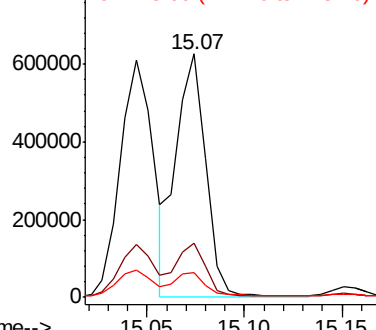
#89
Benzo(k)fluoranthene
Concen: 27.700 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tgt Ion:252 Resp: 657922
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 10.4 9.1 13.7

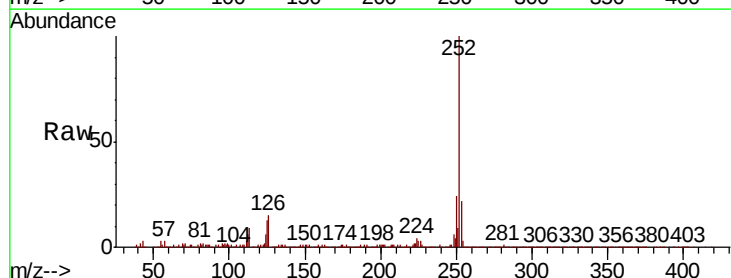


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

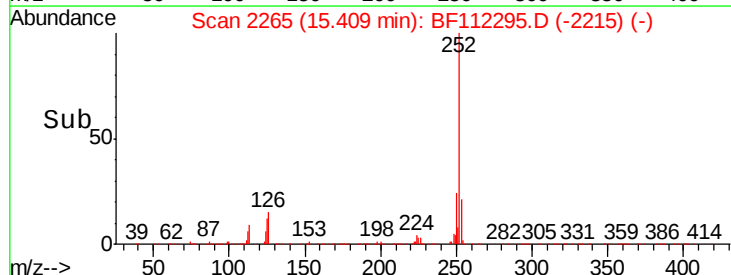
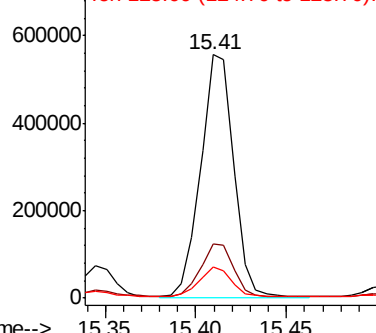


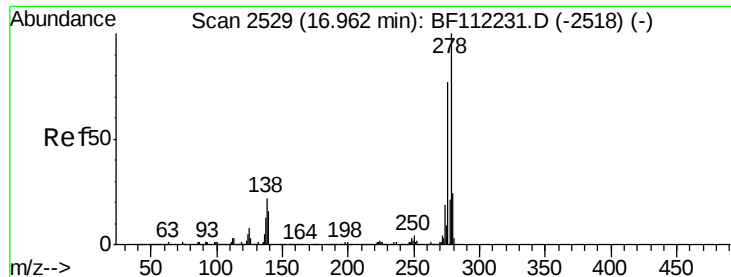
#90
Benzo(a)pyrene
Concen: 31.530 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion:252 Resp: 703494
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 12.8 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

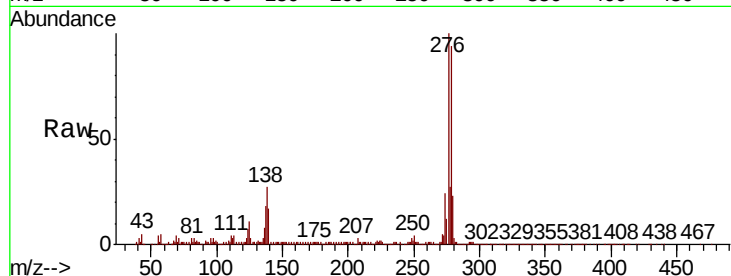




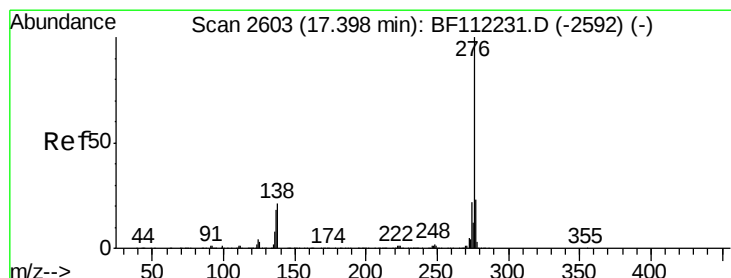
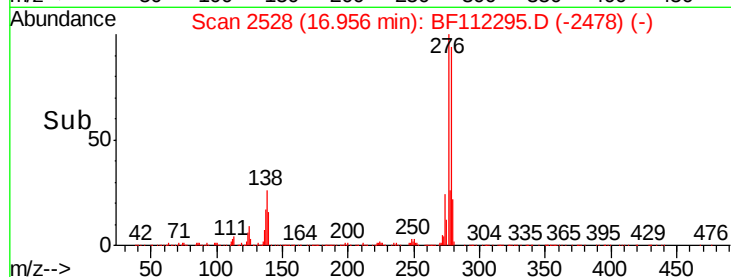
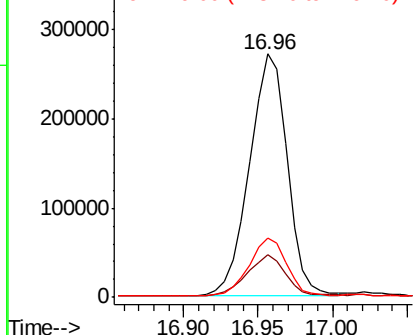
#91
Dibenzo(a,h)anthracene
Concen: 26.308 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Instrument :
BNA_F
ClientSampleId :
HD-01-012819MSD

Tgt Ion: 278 Resp: 473074
Ion Ratio Lower Upper
278 100
139 17.6 13.7 20.5
279 24.1 19.0 28.6

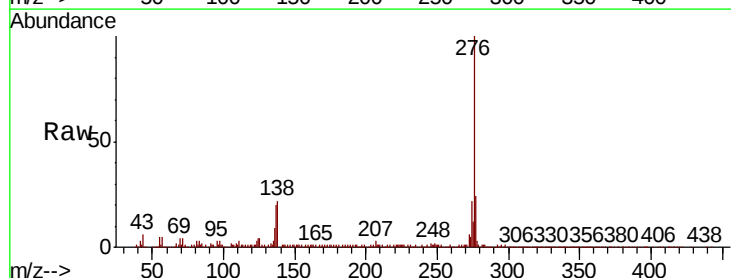


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 28.379 ng
RT: 17.40 min Scan# 2603
Delta R.T. 0.00 min
Lab File: BF112295.D
Acq: 29 Jan 2019 15:16

Tgt Ion: 276 Resp: 481450
Ion Ratio Lower Upper
276 100
277 24.0 19.4 29.0
138 22.1 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

