

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
 Data File : BF112339.D
 Acq On : 30 Jan 2019 23:30
 Operator : JU/SJ
 Sample : PB116708BSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB116708BSD

Quant Time: Jan 31 03:23:30 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	151785	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	571596	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	267583	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	475036	20.00	ng	0.00
76) Chrysene-d12	14.00	240	332441	20.00	ng	0.00
87) Perylene-d12	15.47	264	354647	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	558980	78.22	ng	0.00
7) Phenol-d6	6.49	99	685475	69.03	ng	0.00
23) Nitrobenzene-d5	7.40	82	642287	64.75	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	191379	61.45	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1329362	70.26	ng	-0.01
79) Terphenyl-d14	12.94	244	1055539	59.80	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.66	88	107119	37.630	ng	96
3) Pyridine	3.42	79	280332	38.714	ng	98
4) n-Nitrosodimethylamine	3.36	42	132964	43.705	ng	96
6) Aniline	6.50	93	189185	16.016	ng	# 8
8) 2-Chlorophenol	6.63	128	327045	34.020	ng	95
9) Benzaldehyde	6.39	77	212585	40.960	ng	97
10) Phenol	6.50	94	367638	33.747	ng	90
11) bis(2-Chloroethyl)ether	6.57	93	279839	32.628	ng	98
12) 1,3-Dichlorobenzene	6.78	146	360986	32.244	ng	99
13) 1,4-Dichlorobenzene	6.86	146	373036	32.376	ng	100
14) 1,2-Dichlorobenzene	7.01	146	352091	32.638	ng	97
15) Benzyl Alcohol	6.98	79	262928	31.411	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.11	45	361154	32.796	ng	62
17) 2-Methylphenol	7.10	107	250447	32.865	ng	# 91
18) Hexachloroethane	7.35	117	125613	31.046	ng	99
19) n-Nitroso-di-n-propylamine	7.25	70	218264	31.878	ng	99
20) 3+4-Methylphenols	7.26	107	323876	33.236	ng	# 65
22) Acetophenone	7.25	105	443172	31.841	ng	# 94
24) Nitrobenzene	7.42	77	321187	32.419	ng	98
25) Isophorone	7.66	82	568497	36.530	ng	99
26) 2-Nitrophenol	7.74	139	168949	31.910	ng	98
27) 2,4-Dimethylphenol	7.78	122	278637	38.197	ng	97
28) bis(2-Chloroethoxy)methane	7.86	93	365122	34.456	ng	97
29) 2,4-Dichlorophenol	7.99	162	273866	33.548	ng	98
30) 1,2,4-Trichlorobenzene	8.06	180	308981	32.928	ng	99
31) Naphthalene	8.14	128	936494	35.035	ng	99
32) Benzoic acid	7.90	122	90547	21.761	ng	97
33) 4-Chloroaniline	8.19	127	132564	11.390	ng	98
34) Hexachlorobutadiene	8.26	225	170434	30.952	ng	99
35) Caprolactam	8.55	113	81442	28.280	ng	98
36) 4-Chloro-3-methylphenol	8.69	107	274440	31.757	ng	98
37) 2-Methylnaphthalene	8.83	142	656134	35.856	ng	99
38) 1-Methylnaphthalene	8.93	142	614411	35.030	ng	96
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	299990	34.145	ng	99

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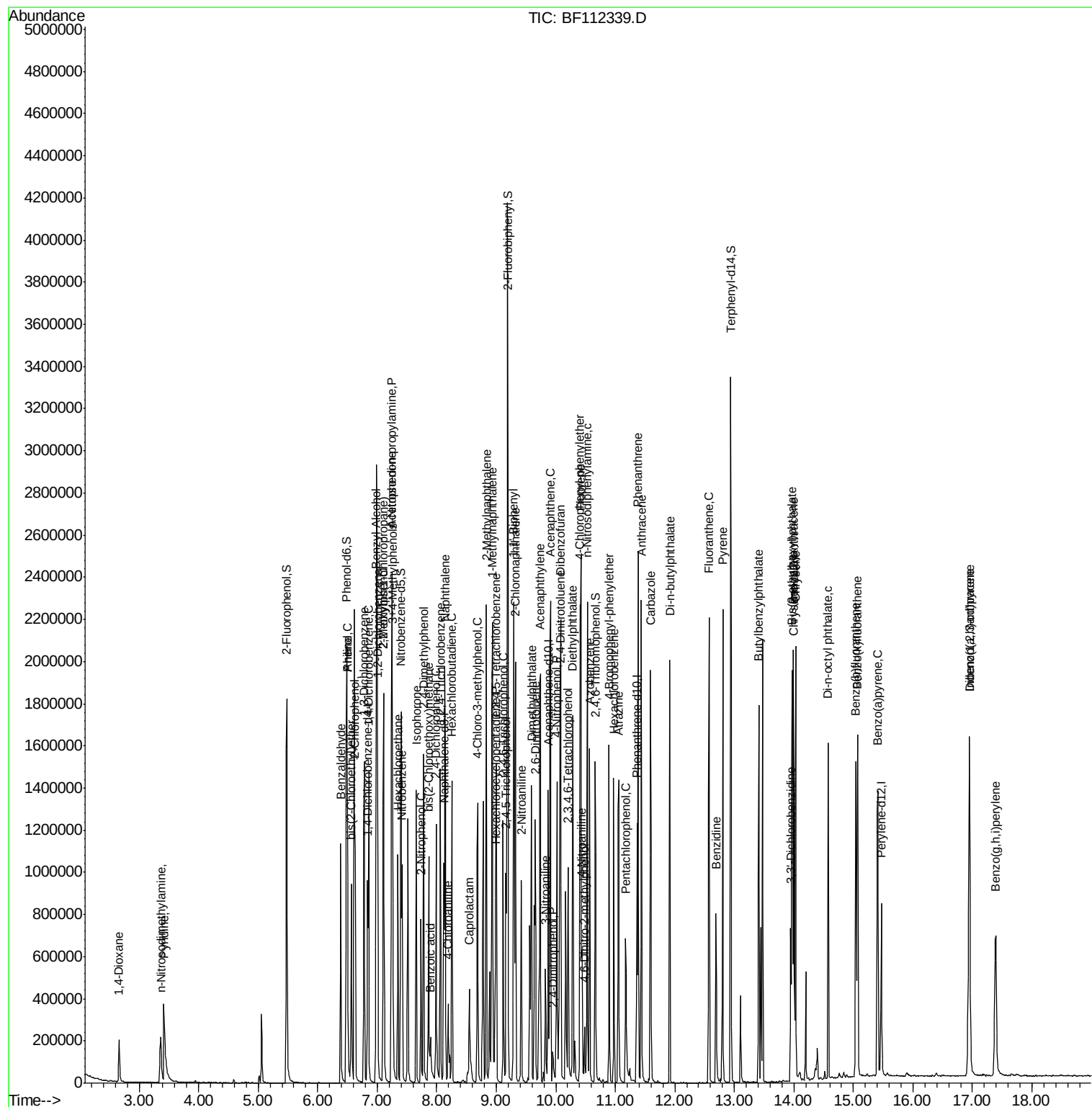
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	90556	33.470	ng	98
43) 2,4,6-Trichlorophenol	9.12	196	178026	32.873	ng	97
44) 2,4,5-Trichlorophenol	9.17	196	188015	33.218	ng	98
46) 1,1'-Biphenyl	9.29	154	801924	34.280	ng	99
47) 2-Chloronaphthalene	9.32	162	610986	33.681	ng	97
48) 2-Nitroaniline	9.42	65	166016	33.577	ng	100
49) Acenaphthylene	9.74	152	954900	35.914	ng	98
50) Dimethylphthalate	9.59	163	712200	34.257	ng	100
51) 2,6-Dinitrotoluene	9.66	165	157261	33.775	ng #	85
52) Acenaphthene	9.91	154	548757	34.549	ng	99
53) 3-Nitroaniline	9.83	138	90345	17.910	ng	96
54) 2,4-Dinitrophenol	9.95	184	29558	19.781	ng	96
55) Dibenzofuran	10.08	168	827474	34.091	ng	96
56) 4-Nitrophenol	10.01	139	141127	52.918	ng	90
57) 2,4-Dinitrotoluene	10.07	165	202186	34.109	ng	94
58) Fluorene	10.42	166	655631	36.096	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.20	232	143852	33.632	ng	98
60) Diethylphthalate	10.29	149	706668	34.252	ng	97
61) 4-Chlorophenyl-phenylether	10.41	204	321496	32.539	ng	95
62) 4-Nitroaniline	10.44	138	146938	29.698	ng	96
63) Azobenzene	10.57	77	597233	32.914	ng	100
65) 4,6-Dinitro-2-methylphenol	10.48	198	39339	14.770	ng	92
66) n-Nitrosodiphenylamine	10.53	169	573793	35.840	ng	99
67) 4-Bromophenyl-phenylether	10.90	248	191556	34.285	ng	96
68) Hexachlorobenzene	10.98	284	203285	33.913	ng #	92
69) Atrazine	11.06	200	183911	35.601	ng	98
70) Pentachlorophenol	11.17	266	107475	46.079	ng	97
71) Phenanthrene	11.39	178	884017	35.795	ng	98
72) Anthracene	11.44	178	921472	37.457	ng	99
73) Carbazole	11.59	167	790842	32.590	ng	99
74) Di-n-butylphthalate	11.92	149	1036008	34.395	ng	98
75) Fluoranthene	12.57	202	843467	31.843	ng	99
77) Benzidine	12.69	184	337050	36.836	ng	95
78) Pyrene	12.80	202	834984	36.278	ng	98
80) Butylbenzylphthalate	13.41	149	379176	34.050	ng	95
81) Benzo(a)anthracene	13.99	228	718127	36.747	ng	97
82) 3,3'-Dichlorobenzidine	13.94	252	165176	22.584	ng	97
83) Chrysene	14.03	228	684656	36.702	ng	97
84) Bis(2-ethylhexyl)phthalate	13.97	149	524149	33.159	ng	97
85) Di-n-octyl phthalate	14.57	149	813867	33.465	ng	97
86) Indeno(1,2,3-cd)pyrene	16.95	276	748647	50.648	ng	98
88) Benzo(b)fluoranthene	15.04	252	744747	35.114	ng	99
89) Benzo(k)fluoranthene	15.07	252	690786	34.003	ng	99
90) Benzo(a)pyrene	15.41	252	714972	37.464	ng	98
91) Dibenzo(a,h)anthracene	16.95	278	640355	41.633	ng	99
92) Benzo(g,h,i)perylene	17.39	276	595648	41.048	ng	97

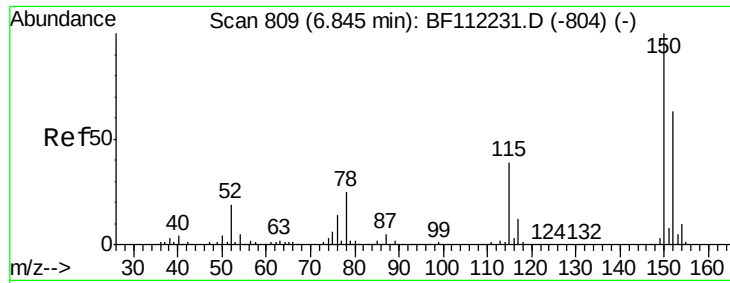
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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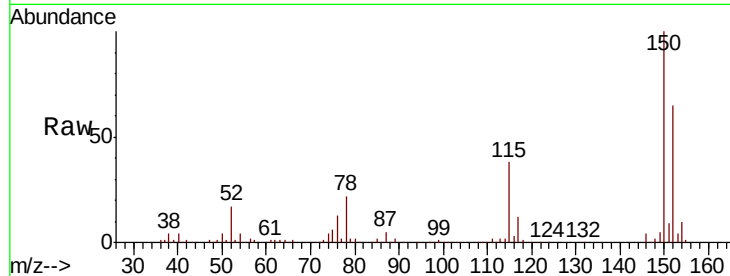


#1

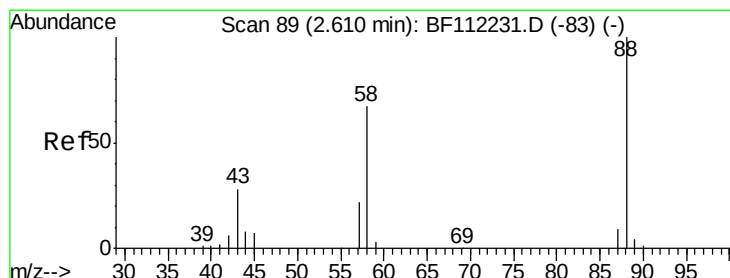
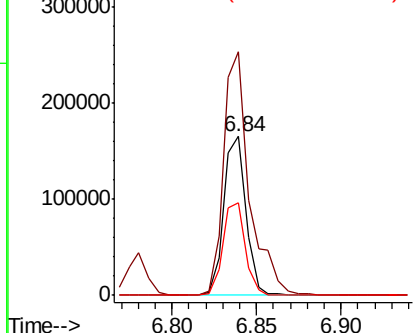
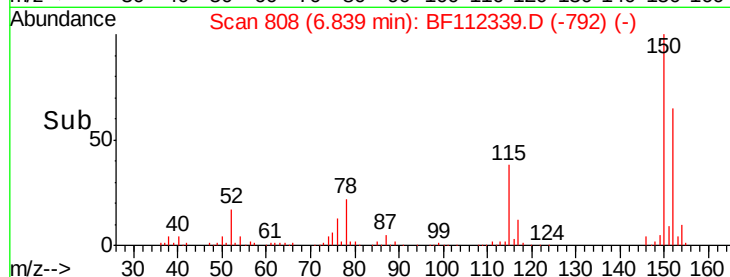
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Instrument :
BNA_F
ClientSampleId :
PB116708BSD

Tot Ion:152 Resp: 151785
Ion Ratio Lower Upper
152 100
150 153.2 127.4 191.0
115 58.0 45.5 68.3



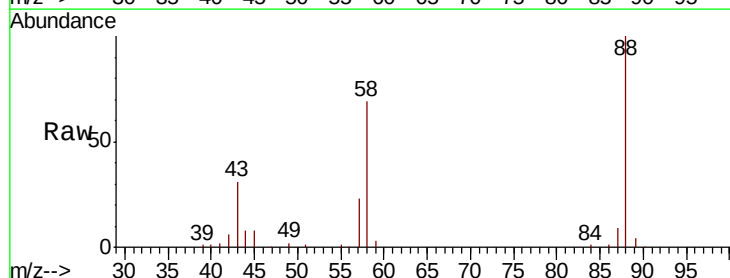
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



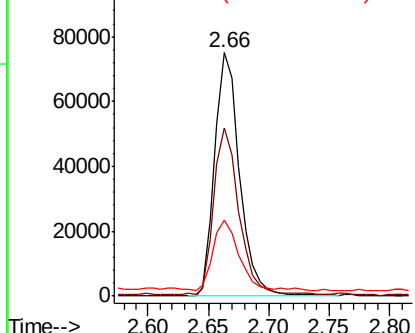
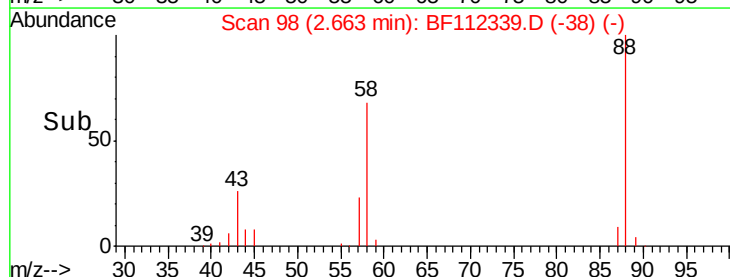
#2

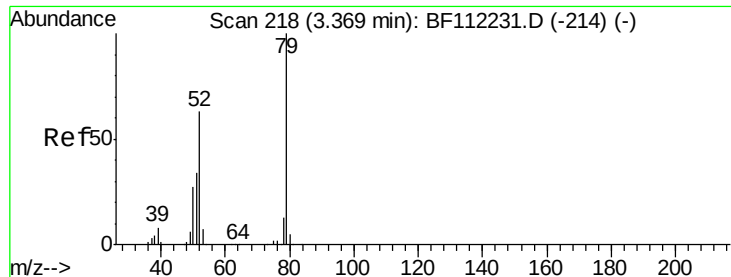
1,4-Dioxane
Concen: 37.630 ng
RT: 2.66 min Scan# 98
Delta R.T. 0.05 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Tgt Ion: 88 Resp: 107119
Ion Ratio Lower Upper
88 100
58 69.1 57.4 86.2
43 30.2 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

Pvridine

Concen: 38.714 ng

RT: 3.42 min Scan# 226

Delta R.T. 0.05 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

Instrument :

BNA_F

ClientSampleId :

PB116708BSD

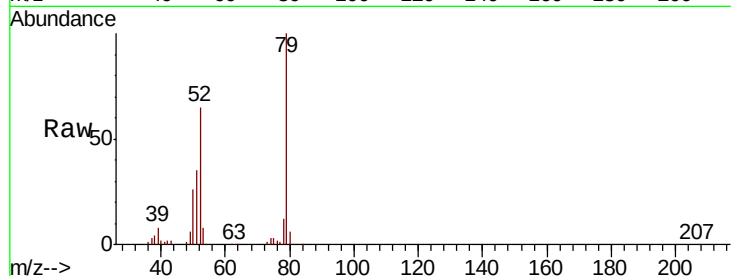
Tot Ion: 79 Resp: 280332

Ion Ratio Lower Upper

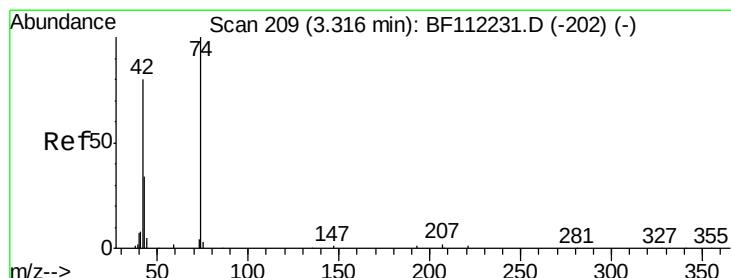
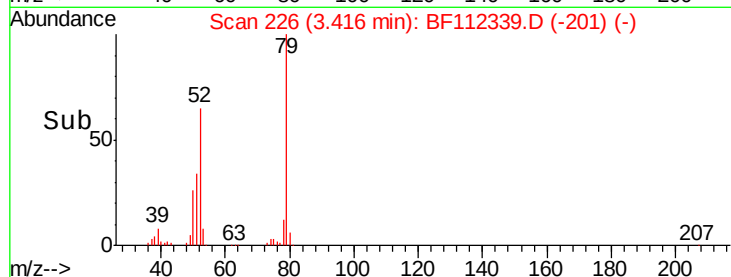
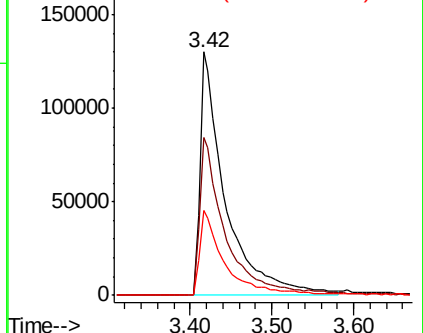
79 100

52 64.6 52.4 78.6

51 34.7 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: 43.705 ng

RT: 3.36 min Scan# 217

Delta R.T. 0.05 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

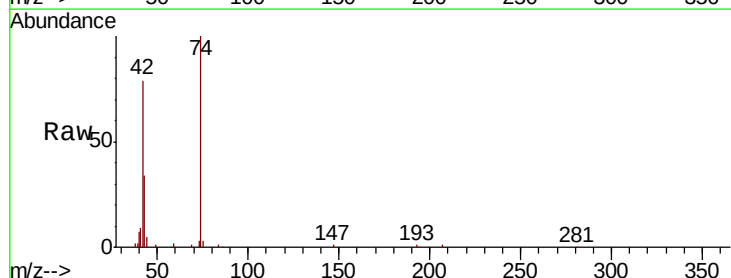
Tgt Ion: 42 Resp: 132964

Ion Ratio Lower Upper

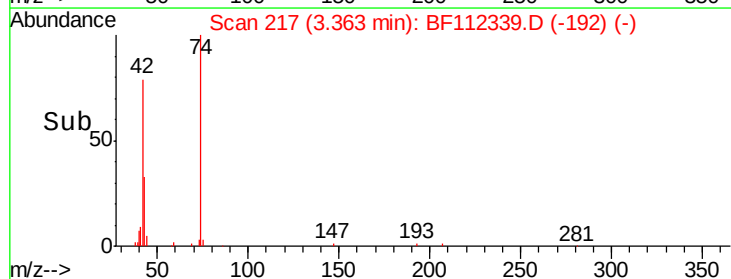
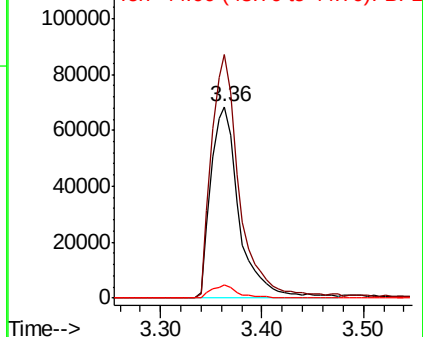
42 100

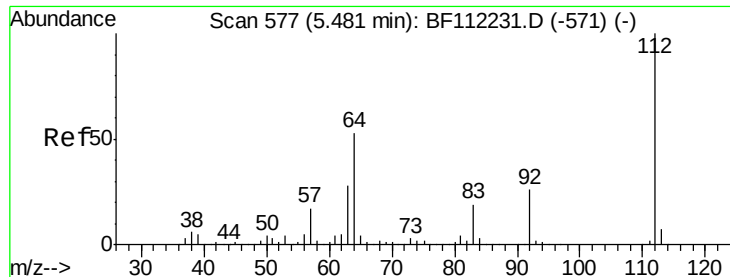
74 127.3 105.6 158.4

44 6.6 5.4 8.2



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





#5

2-Fluorophenol

Concen: 78.223 ng

RT: 5.48 min Scan# 577

Delta R.T. -0.00 min

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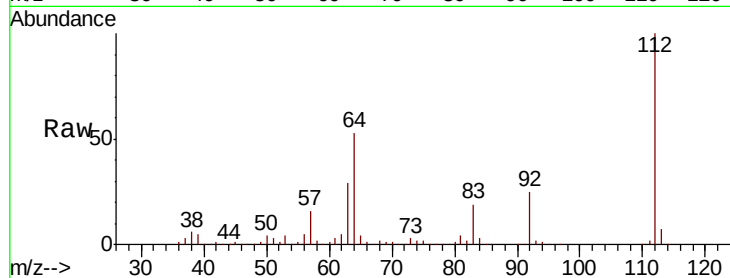
Tot Ion:112 Resp: 558980

Ion Ratio Lower Upper

112 100

64 52.6 45.7 68.5

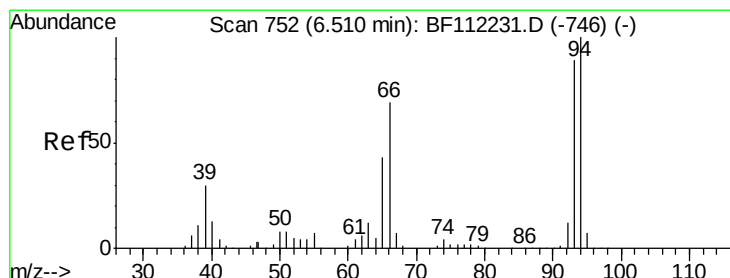
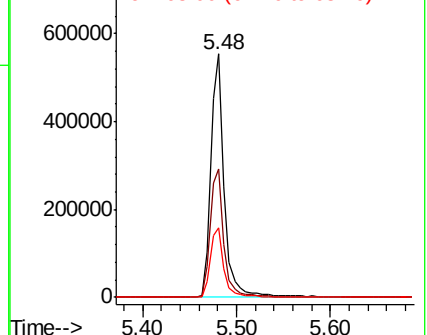
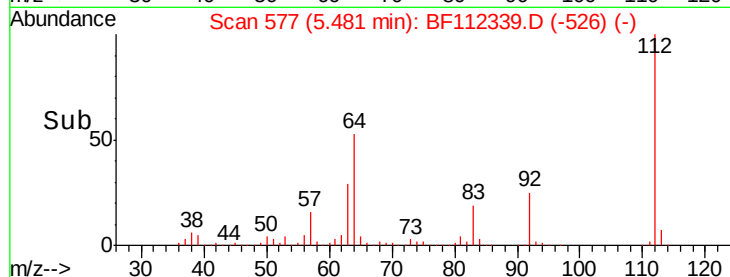
63 28.7 23.6 35.4



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: 16.016 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

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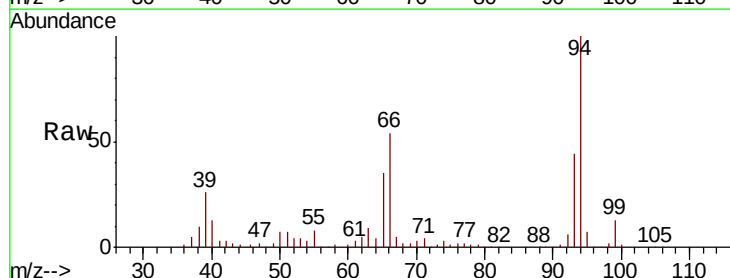
Tgt Ion: 93 Resp: 189185

Ion Ratio Lower Upper

93 100

66 121.8 43.4 65.2#

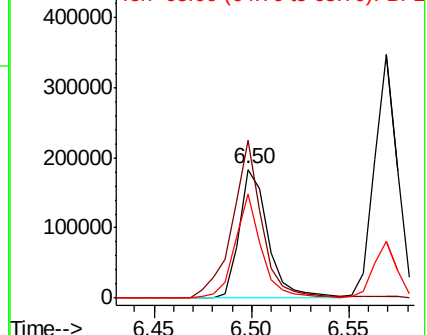
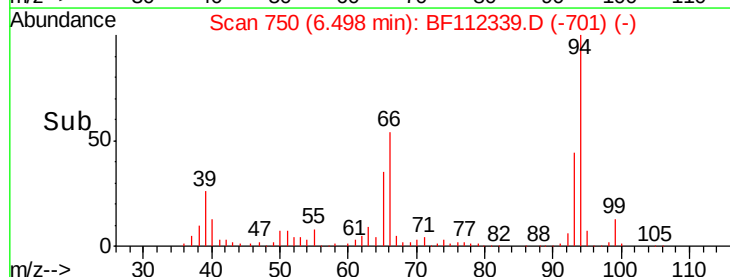
65 80.2 25.3 37.9#

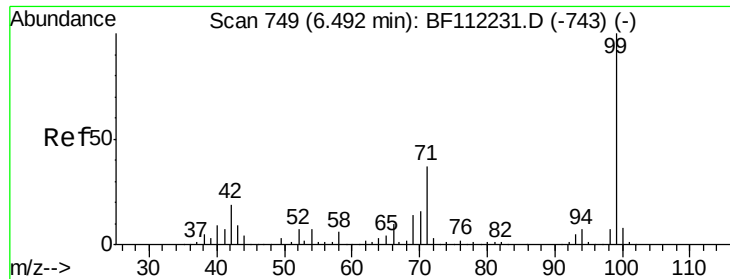


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 69.033 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

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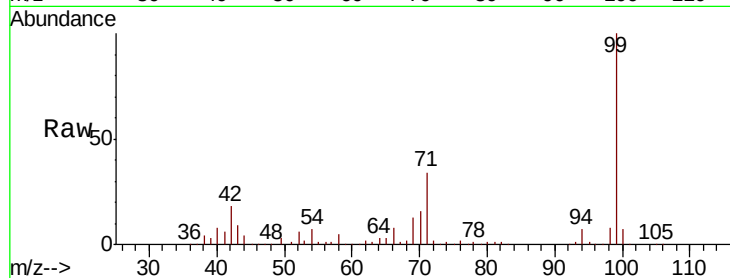
Tot Ion: 99 Resp: 685475

Ion Ratio Lower Upper

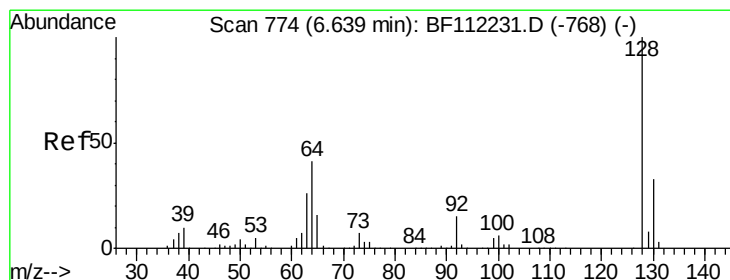
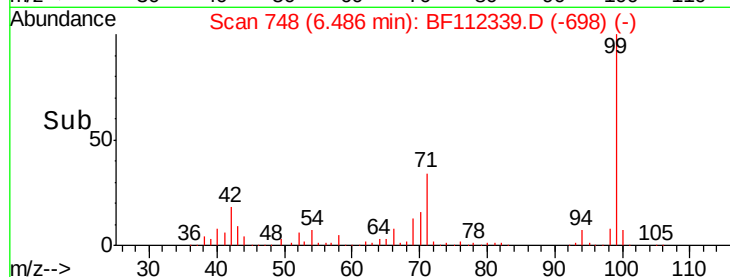
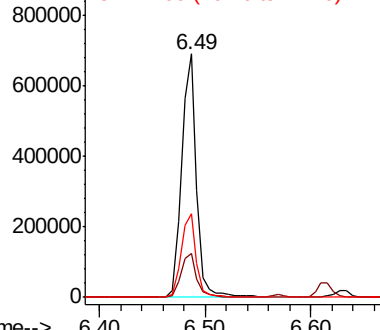
99 100

42 17.9 15.1 22.7

71 34.5 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: 34.020 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.01 min

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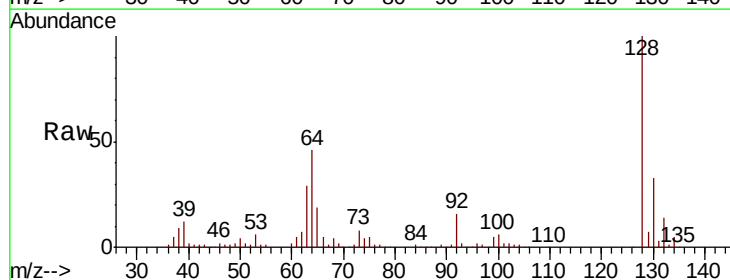
Tgt Ion: 128 Resp: 327045

Ion Ratio Lower Upper

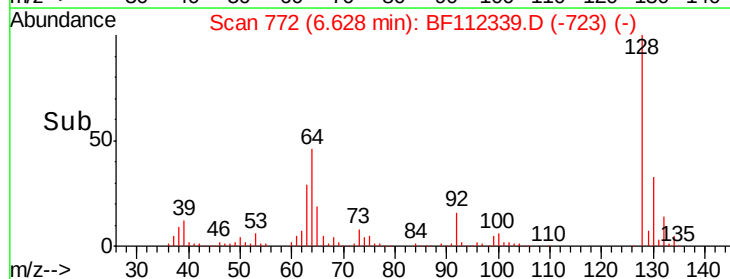
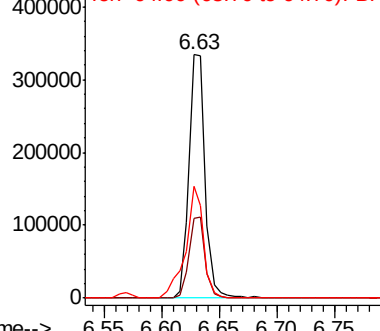
128 100

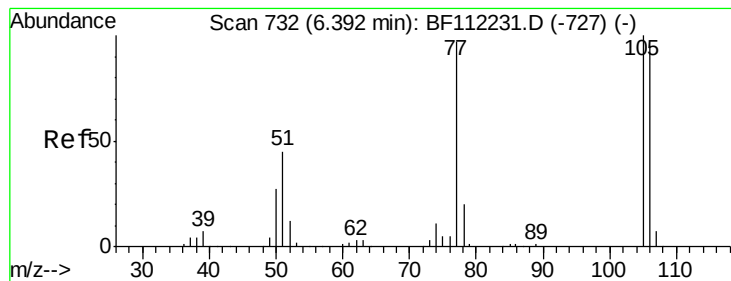
130 32.9 13.4 53.4

64 45.8 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: 40.960 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

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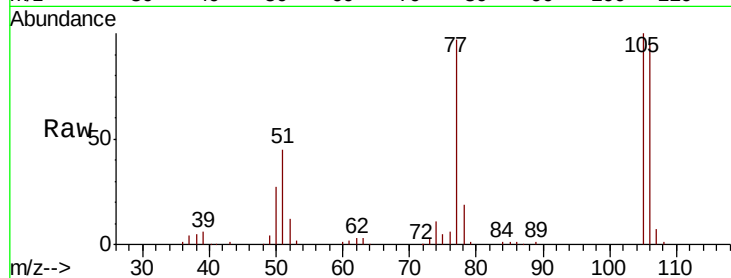
Tot Ion: 77 Resp: 212585

Ion Ratio Lower Upper

77 100

105 103.5 80.8 120.8

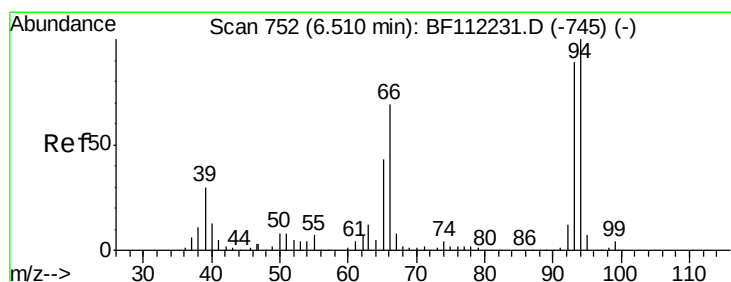
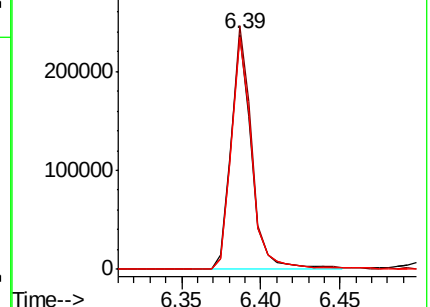
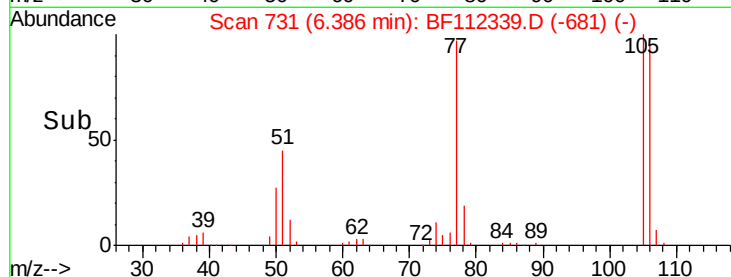
106 98.4 75.7 115.7



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 33.747 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

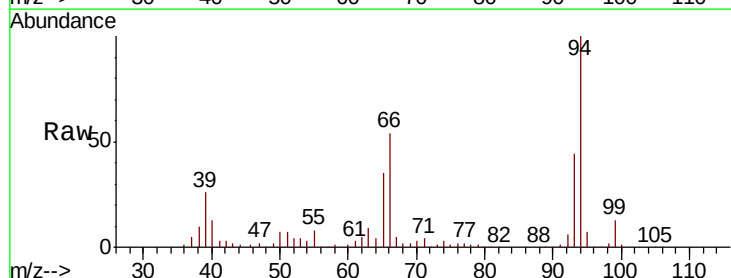
Tgt Ion: 94 Resp: 367638

Ion Ratio Lower Upper

94 100

65 35.5 20.3 60.3

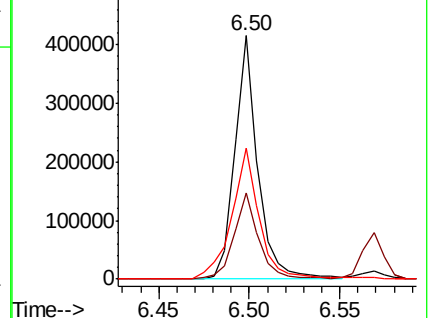
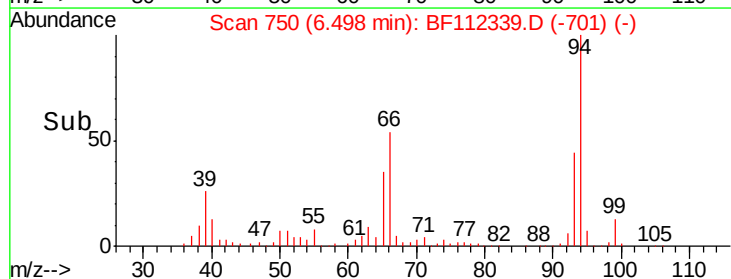
66 53.9 42.4 82.4

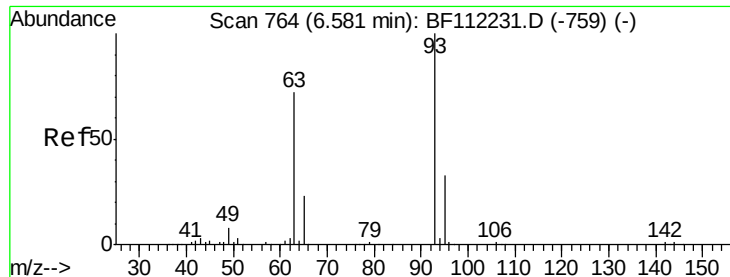


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

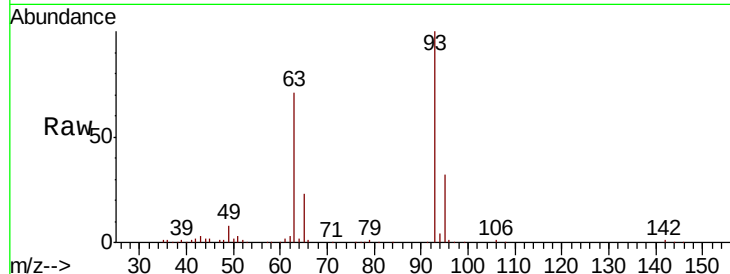




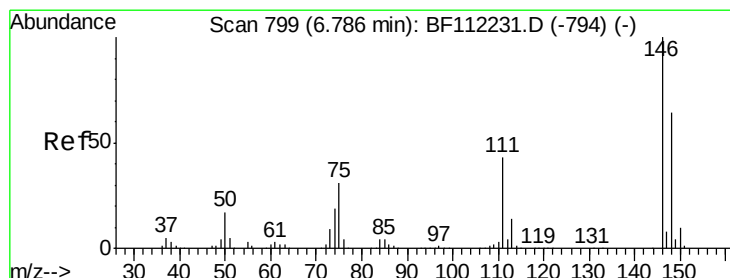
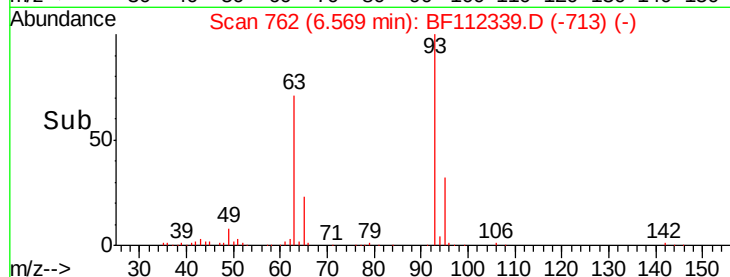
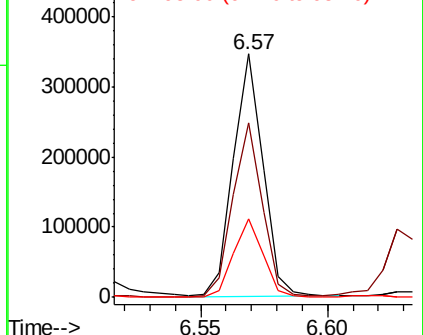
#11
bis(2-Chloroethyl)ether
Concen: 32.628 ng
RT: 6.57 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Instrument :
BNA_F
ClientSampleId :
PB116708BSD

Tot Ion: 93 Resp: 279839
Ion Ratio Lower Upper
93 100
63 71.4 53.3 93.3
95 32.3 13.4 53.4

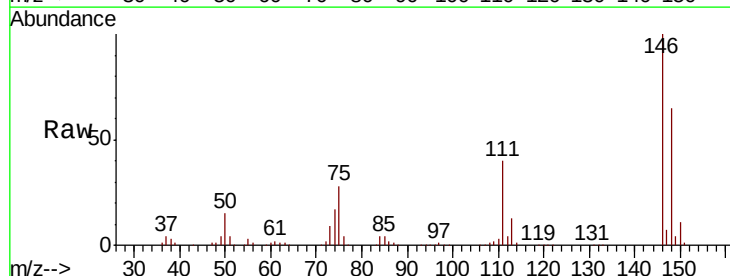


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

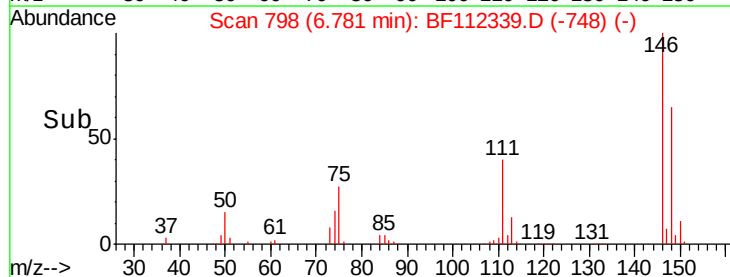
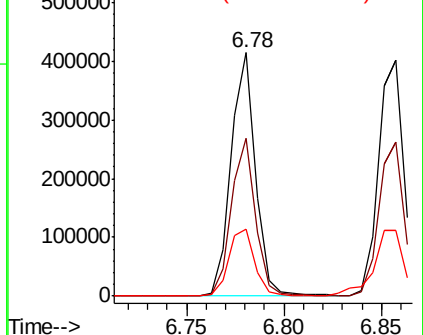


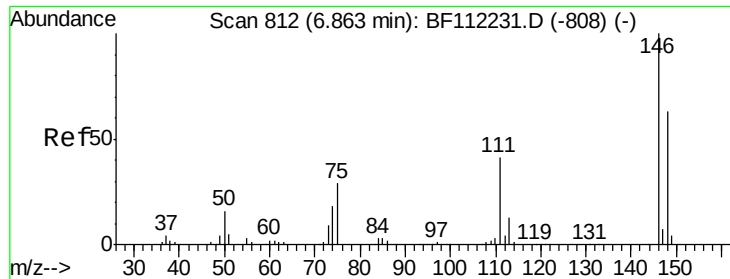
#12
1,3-Dichlorobenzene
Concen: 32.244 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Tgt Ion: 146 Resp: 360986
Ion Ratio Lower Upper
146 100
148 65.0 51.8 77.8
75 27.7 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

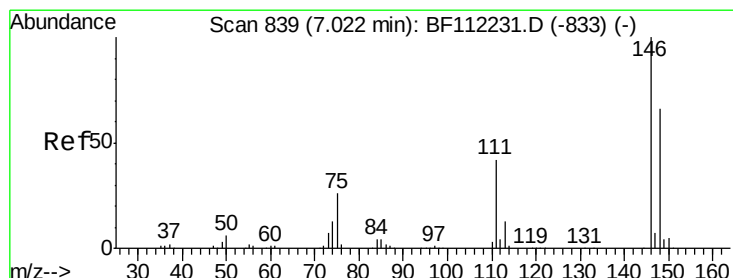
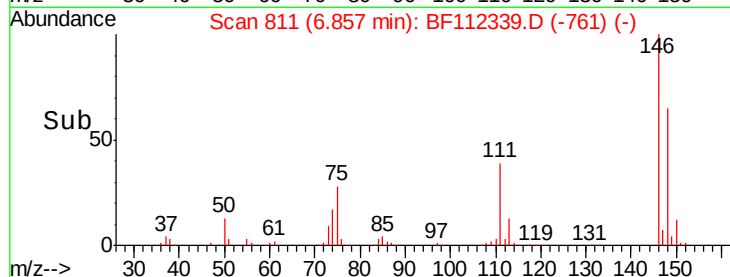
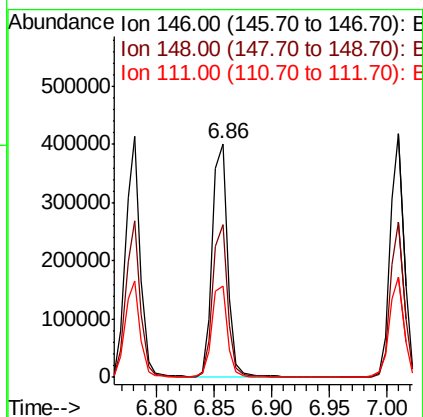
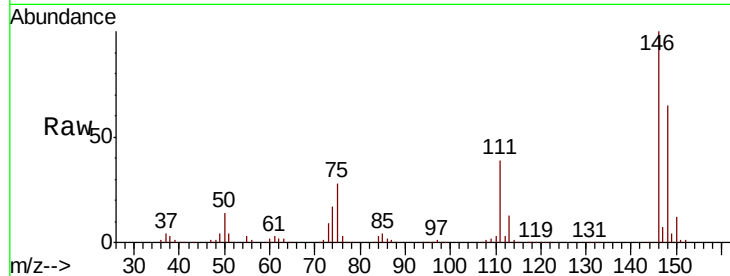




#13
 1,4-Dichlorobenzene
 Concen: 32.376 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF112339.D
 Acq: 30 Jan 2019 23:30

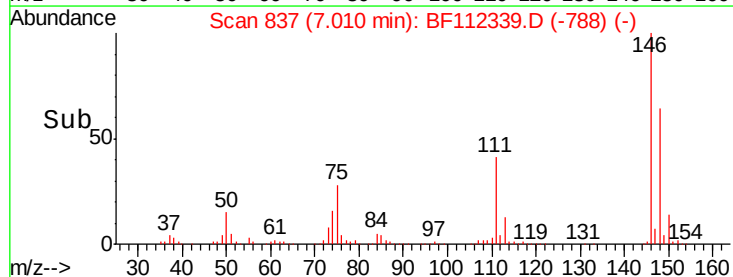
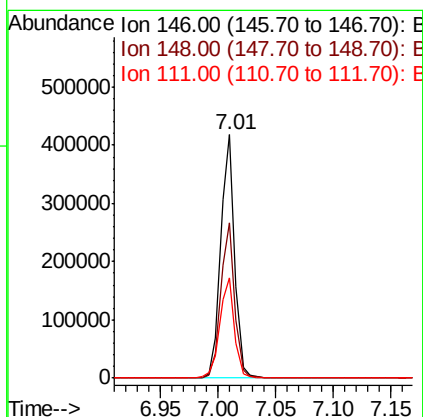
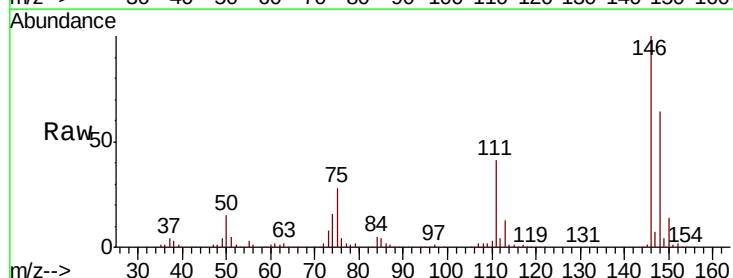
Instrument :
 BNA_F
 ClientSampleId :
 PB116708BSD

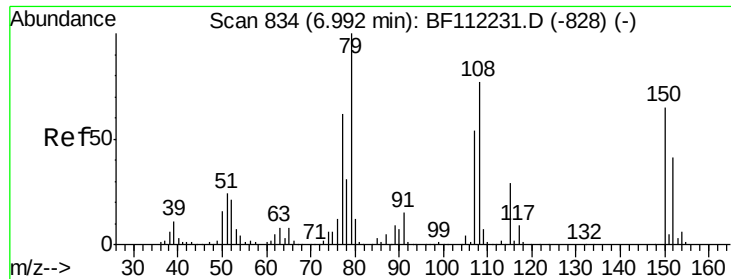
Tot Ion:146 Resp: 373036
 Ion Ratio Lower Upper
 146 100
 148 65.4 52.0 78.0
 111 39.3 31.2 46.8



#14
 1,2-Dichlorobenzene
 Concen: 32.638 ng
 RT: 7.01 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BF112339.D
 Acq: 30 Jan 2019 23:30

Tgt Ion:146 Resp: 352091
 Ion Ratio Lower Upper
 146 100
 148 63.5 52.2 78.4
 111 41.2 31.2 46.8

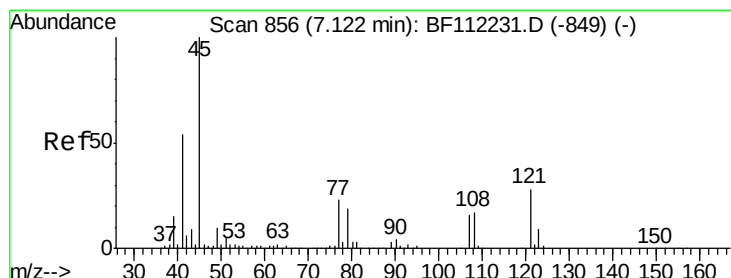
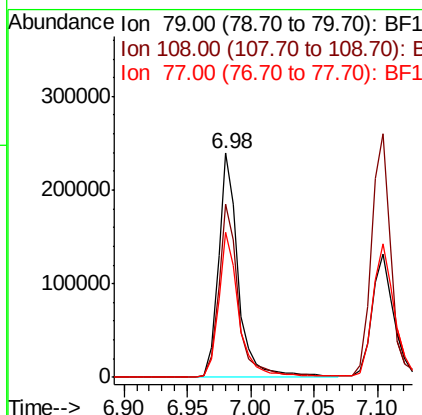
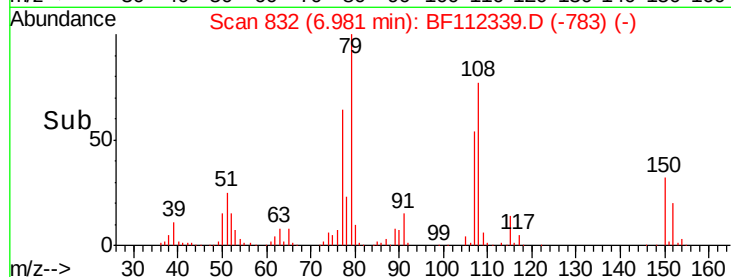
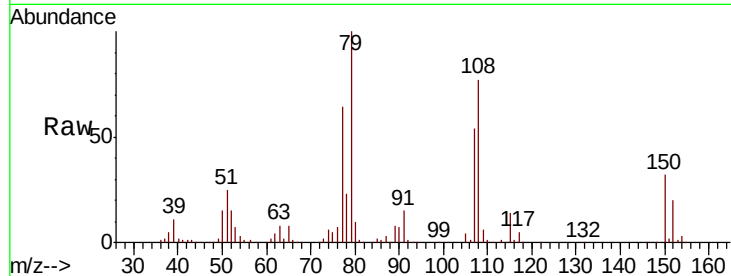




#15
Benzvl Alcohol
Concen: 31.411 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

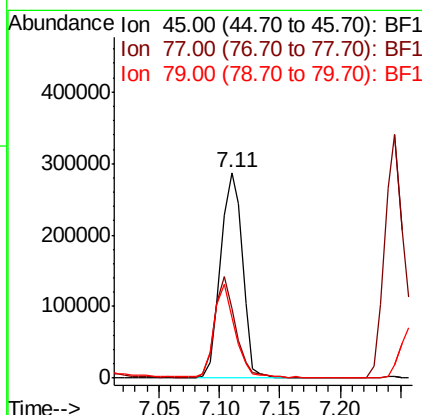
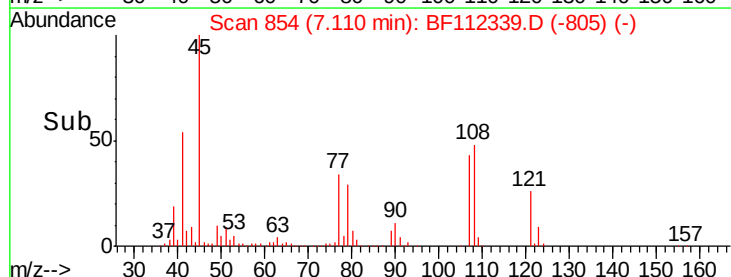
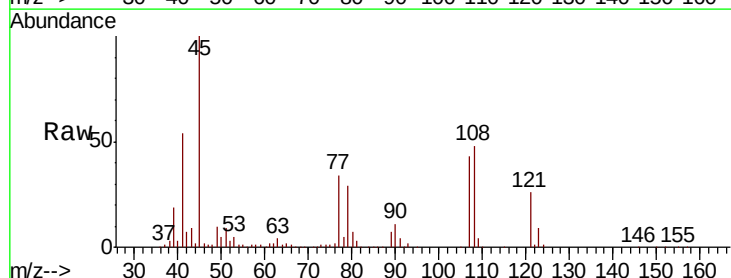
Instrument :
BNA_F
ClientSampleId :
PB116708BSD

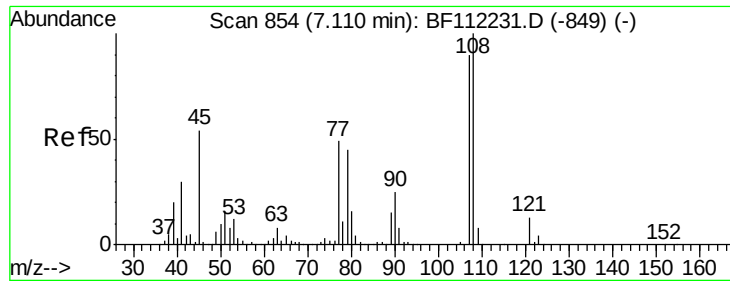
Tot Ion: 79 Resp: 262928
Ion Ratio Lower Upper
79 100
108 76.9 64.2 96.2
77 64.4 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 32.796 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Tgt Ion: 45 Resp: 361154
Ion Ratio Lower Upper
45 100
77 33.7 0.0 36.9
79 29.3 0.0 34.0

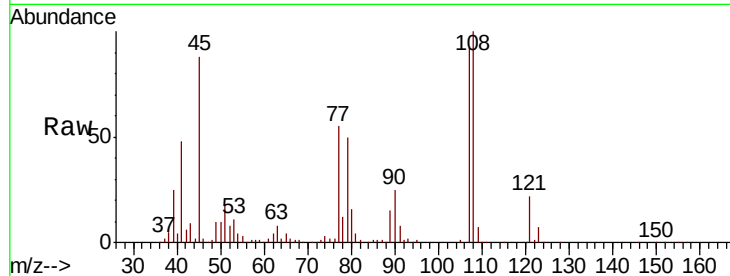




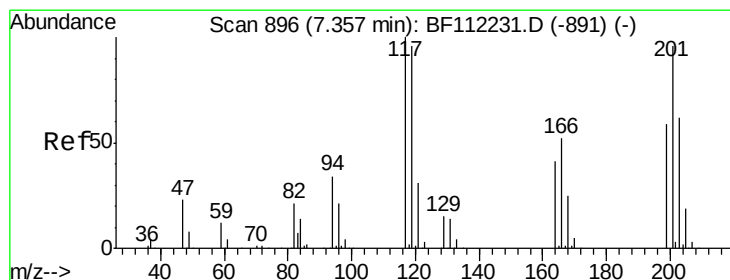
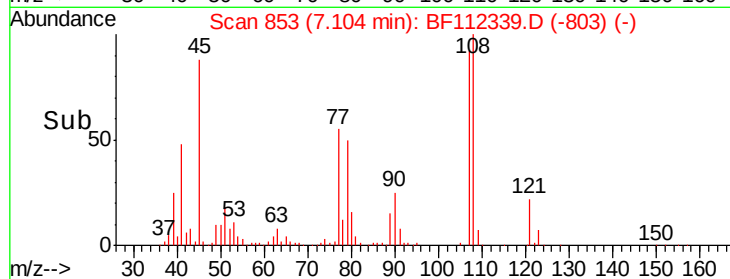
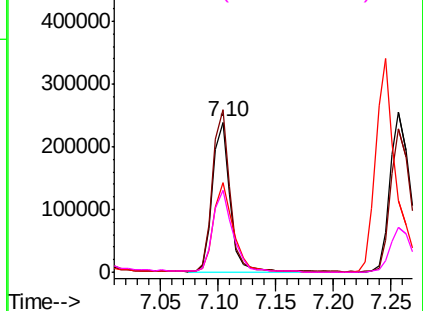
#17
2-Methylphenol
Concen: 32.865 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Instrument :
BNA_F
ClientSampleId :
PB116708BSD

Tot Ion:107 Resp: 250447
Ion Ratio Lower Upper
107 100
108 108.6 91.3 136.9
77 59.4 39.0 58.6#
79 54.8 37.0 55.4

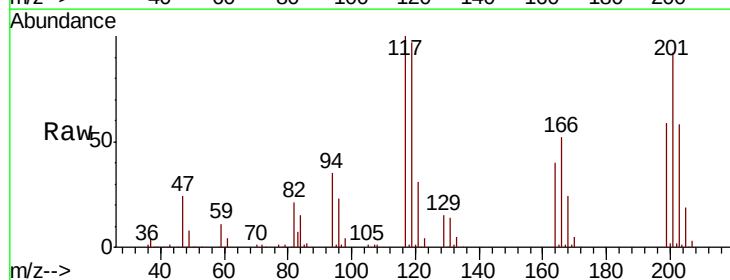


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

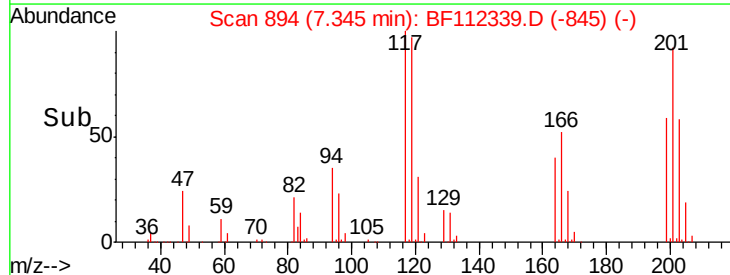
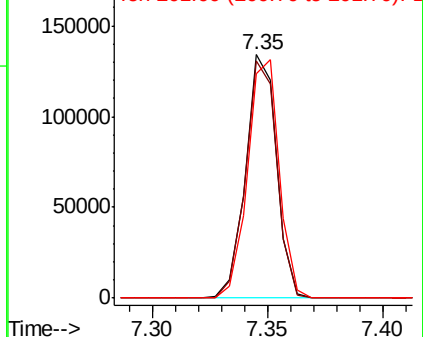


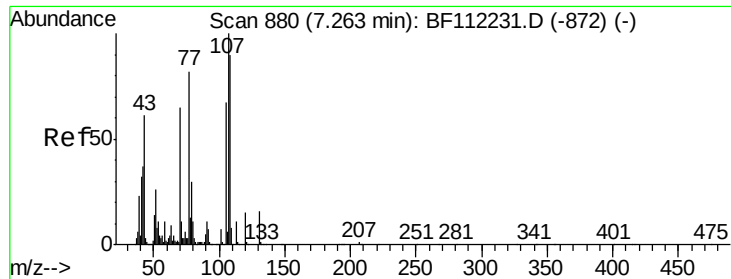
#18
Hexachloroethane
Concen: 31.046 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Tgt Ion:117 Resp: 125613
Ion Ratio Lower Upper
117 100
119 97.4 77.0 115.4
201 92.3 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

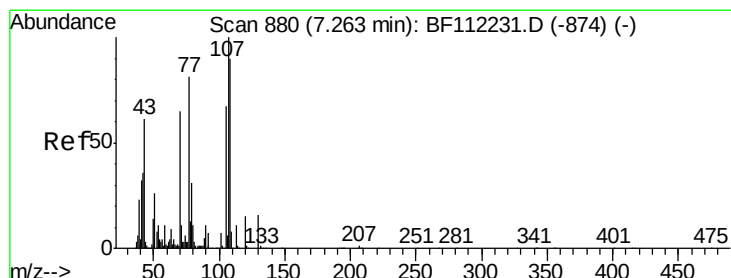
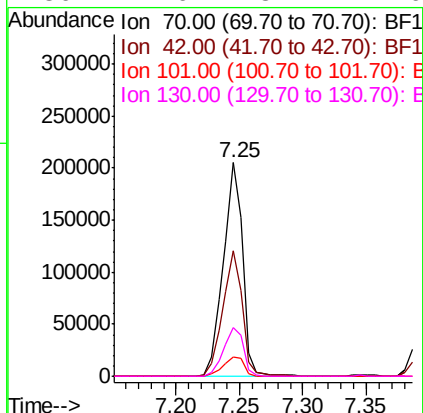
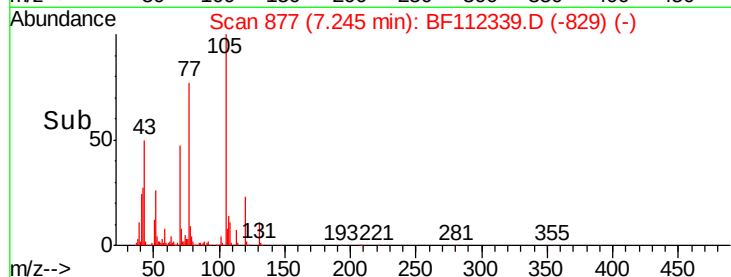
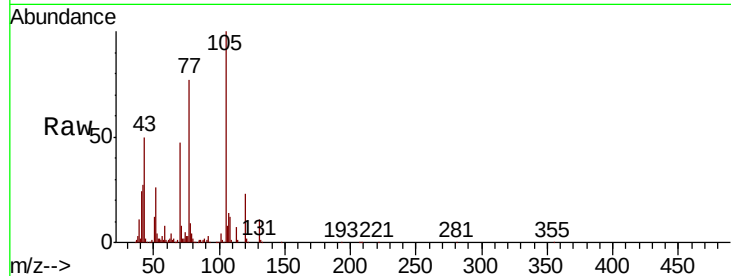




#19
n-Nitroso-di-n-propylamine
Concen: 31.878 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.02 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

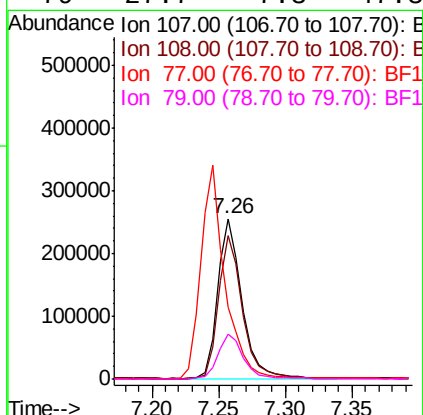
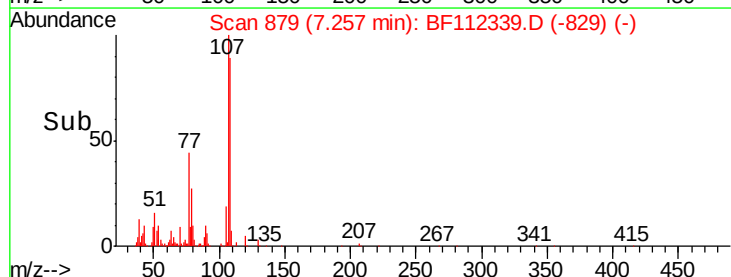
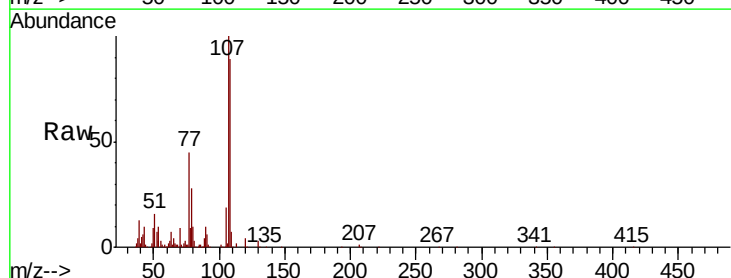
Instrument :
BNA_F
ClientSampleId :
PB116708BSD

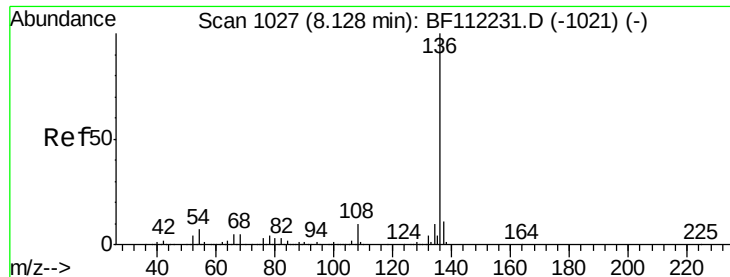
Tot Ion:	70	Resp:	218264
Ion	Ratio	Lower	Upper
70	100		
42	58.5	47.6	71.4
101	8.9	7.9	11.9
130	22.6	18.4	27.6



#20
3+4-Methylphenols
Concen: 33.236 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Tgt Ion:	107	Resp:	323876
Ion	Ratio	Lower	Upper
107	100		
108	89.2	68.2	108.2
77	44.8	100.7	140.7#
79	27.7	7.3	47.3

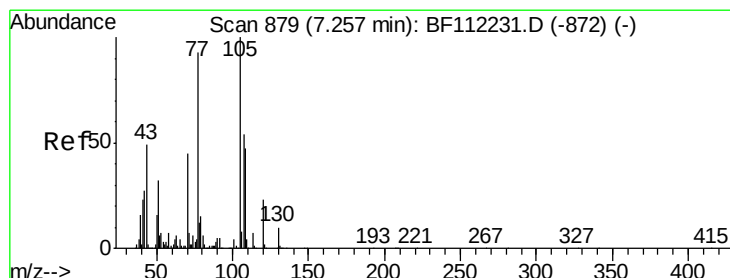
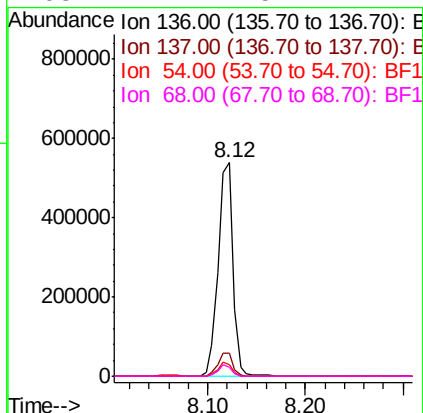
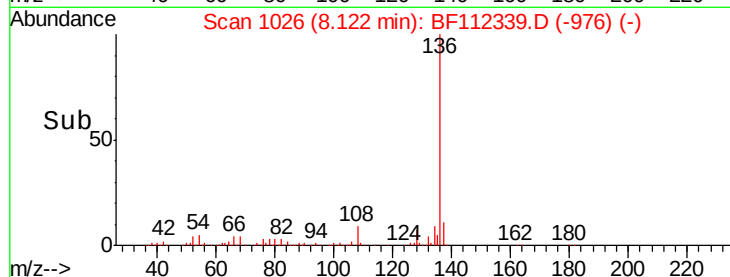
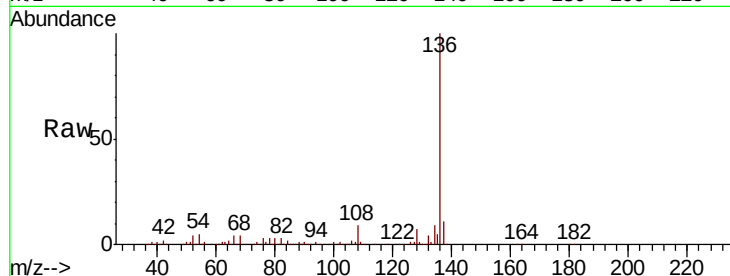




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

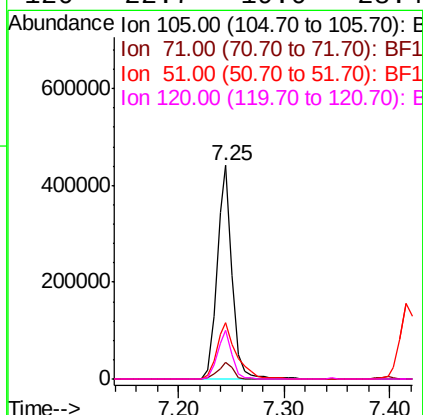
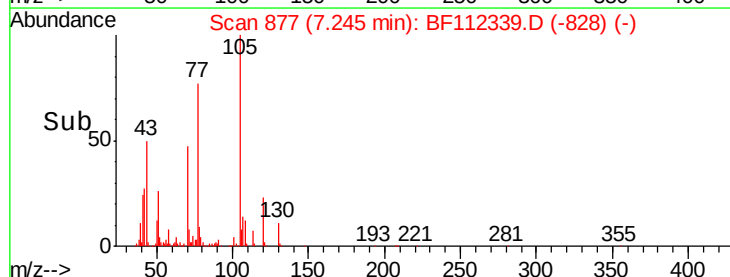
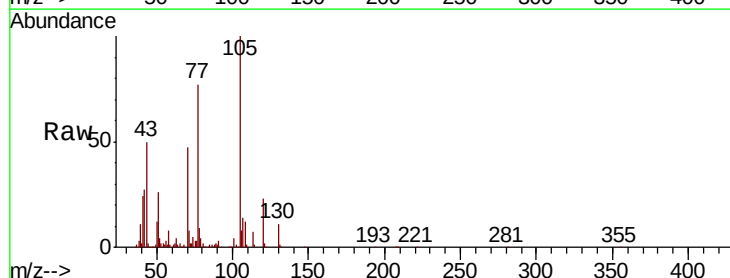
Instrument :
BNA_F
ClientSampleId :
PB116708BSD

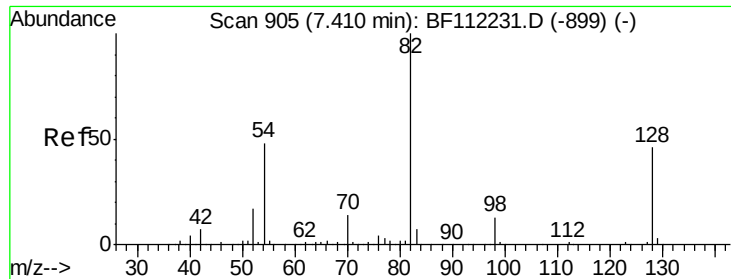
Tot Ion:136	Resp:	571596
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.1 13.7
54	5.5	5.9 8.9#
68	4.4	5.1 7.7#



#22
Acetophenone
Concen: 31.841 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Tgt Ion:105	Resp:	443172
Ion Ratio	Lower	Upper
105	100	
71	7.6	4.6 6.8#
51	26.1	25.0 37.6
120	22.7	19.0 28.4

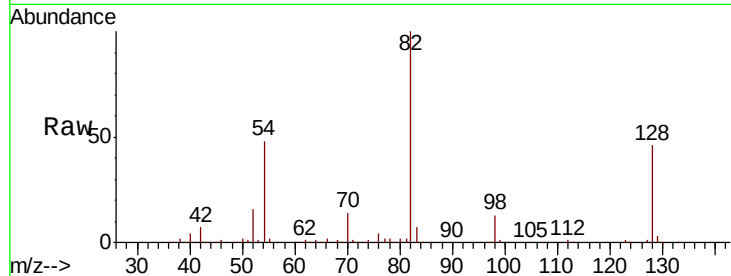




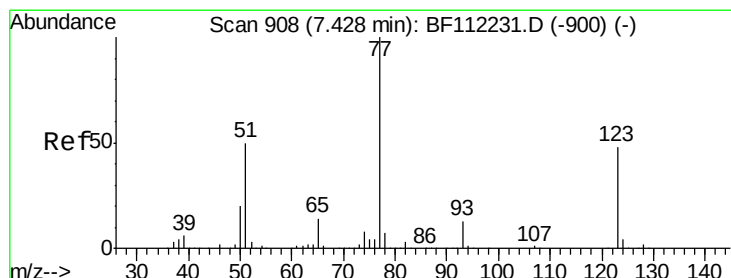
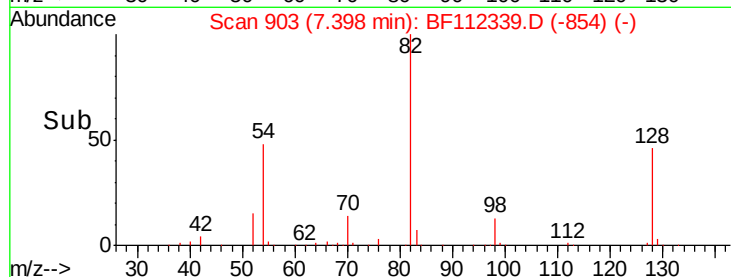
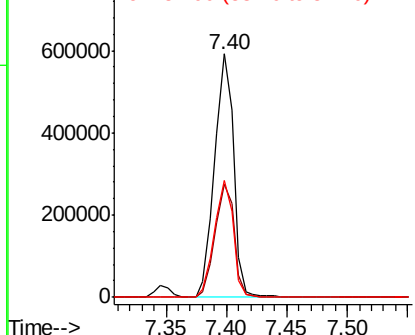
#23
 Nitrobenzene-d5
 Concen: 64.746 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF112339.D
 Acq: 30 Jan 2019 23:30

Instrument :
 BNA_F
 ClientSampleId :
 PB116708BSD

Tot Ion	82	Resp	642287
Ion Ratio	Lower	Upper	
82	100		
128	46.4	37.8	56.8
54	48.0	39.7	59.5

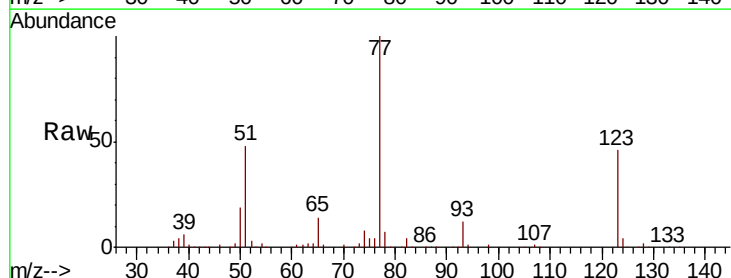


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

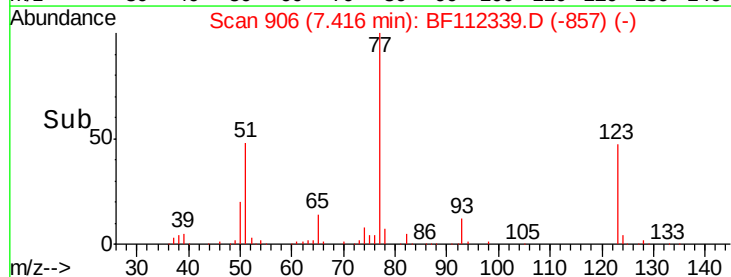
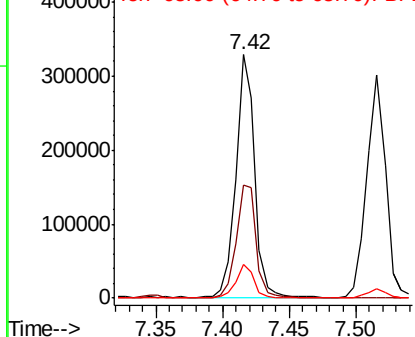


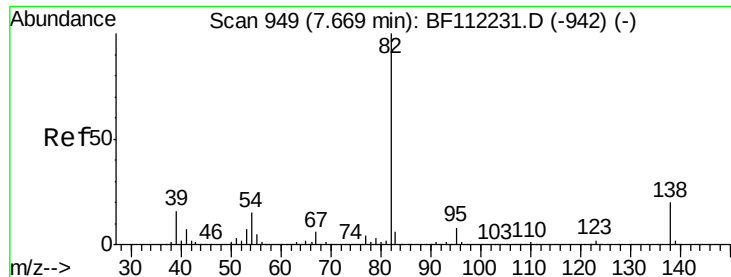
#24
 Nitrobenzene
 Concen: 32.419 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF112339.D
 Acq: 30 Jan 2019 23:30

Tgt Ion	77	Resp	321187
Ion Ratio	Lower	Upper	
77	100		
123	46.4	38.4	57.6
65	13.6	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: 36.530 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

Instrument :

BNA_F

ClientSampleId :

PB116708BSD

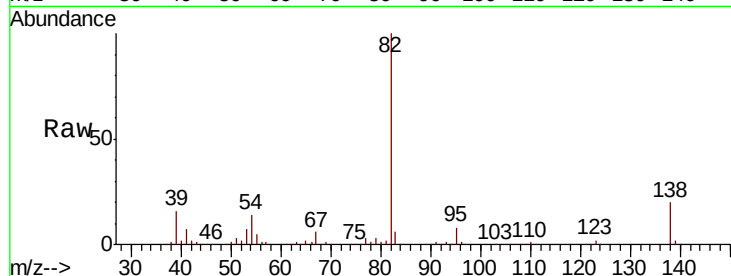
Tot Ion: 82 Resp: 568497

Ion Ratio Lower Upper

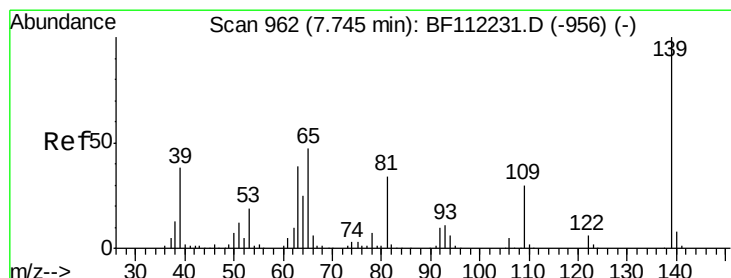
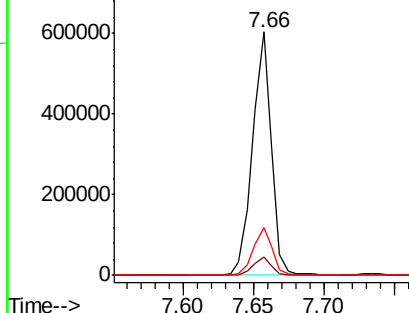
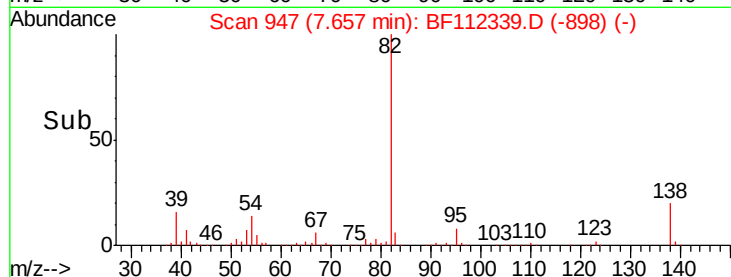
82 100

95 7.7 5.7 8.5

138 19.8 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: 31.910 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

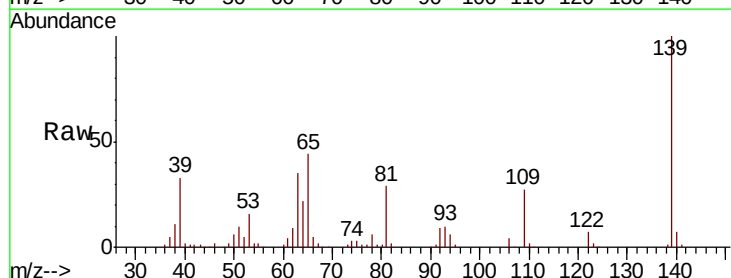
Tgt Ion: 139 Resp: 168949

Ion Ratio Lower Upper

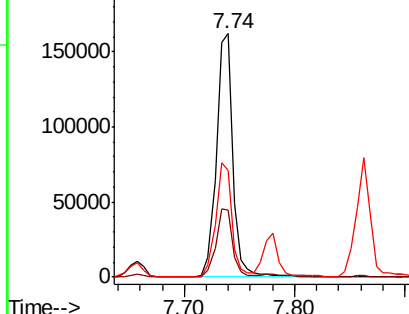
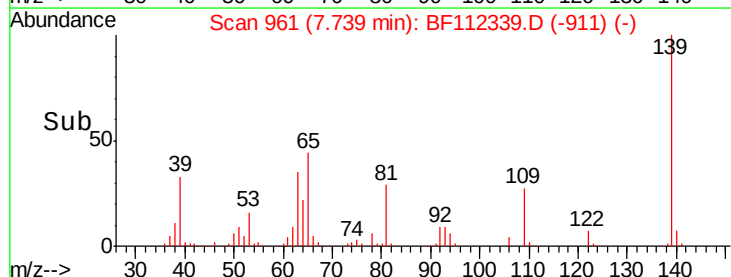
139 100

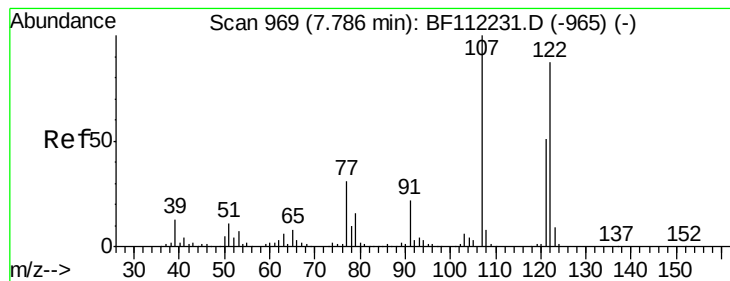
109 27.3 20.8 31.2

65 44.1 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: 38.197 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

Instrument :

BNA_F

ClientSampleId :

PB116708BSD

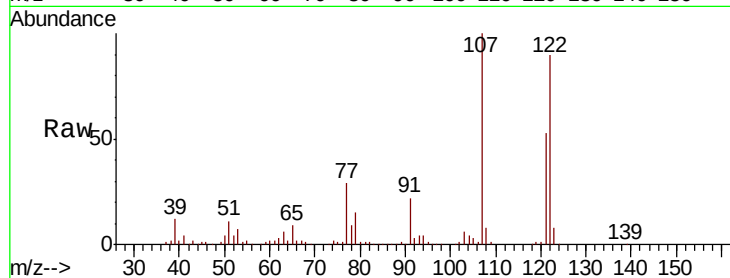
Tot Ion:122 Resp: 278637

Ion Ratio Lower Upper

122 100

107 110.9 85.4 128.0

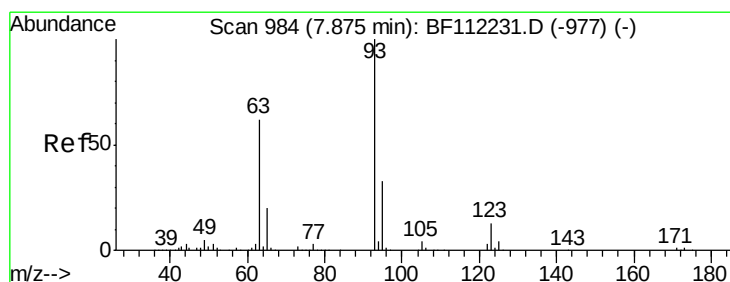
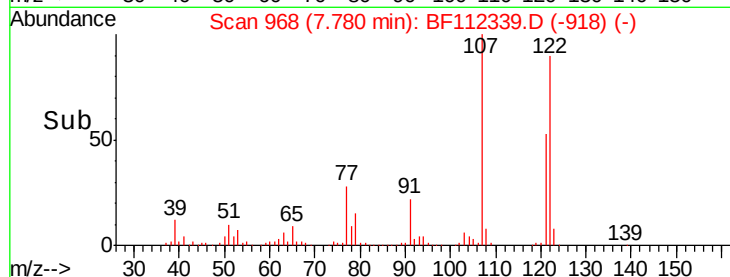
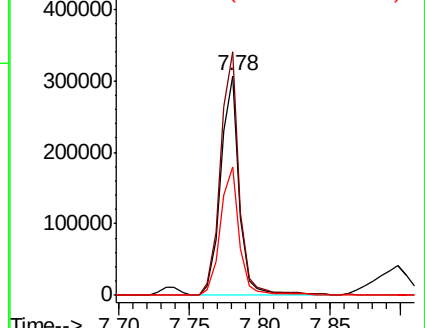
121 58.5 47.0 70.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 34.456 ng

RT: 7.86 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

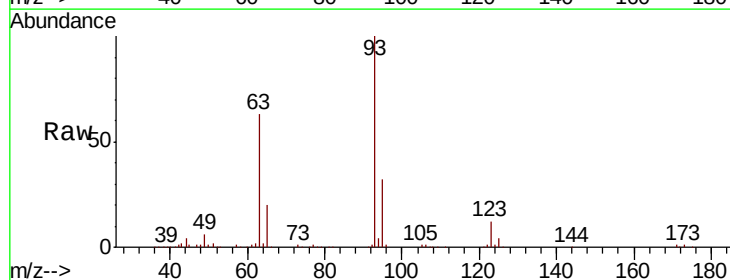
Tgt Ion: 93 Resp: 365122

Ion Ratio Lower Upper

93 100

95 31.8 26.8 40.2

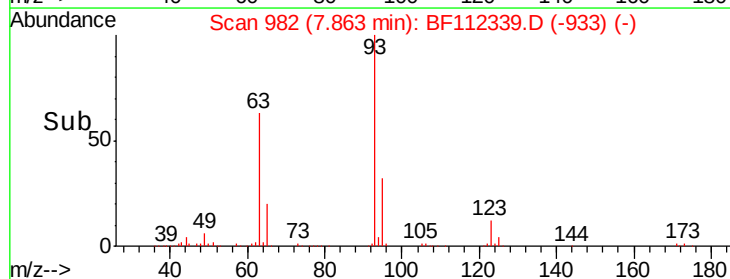
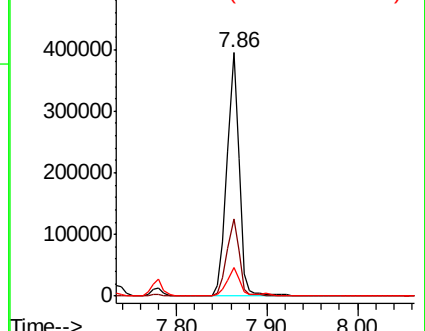
123 11.7 10.2 15.2

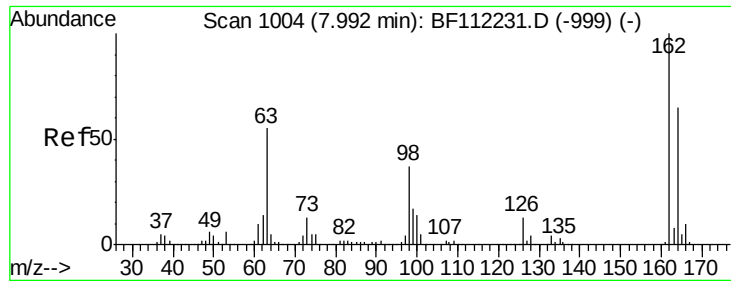


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

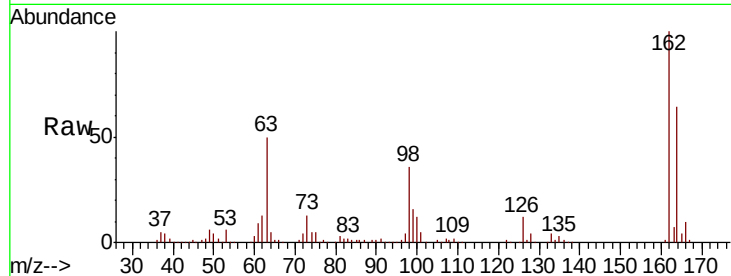




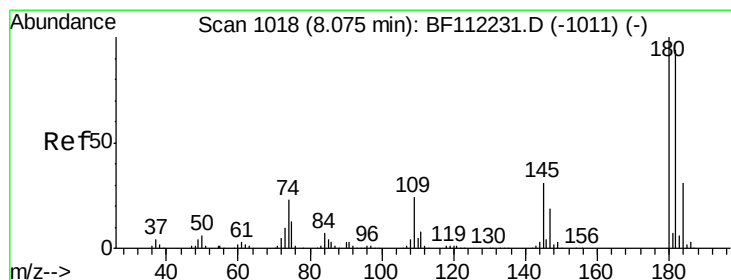
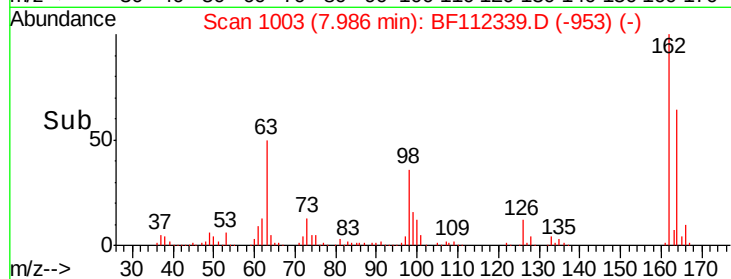
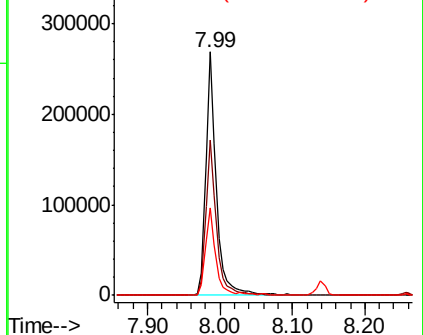
#29
 2,4-Dichlorophenol
 Concen: 33.548 ng
 RT: 7.99 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: BF112339.D
 Acq: 30 Jan 2019 23:30

Instrument :
 BNA_F
 ClientSampleId :
 PB116708BSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.7	44.6	84.6
98	36.1	14.6	54.6

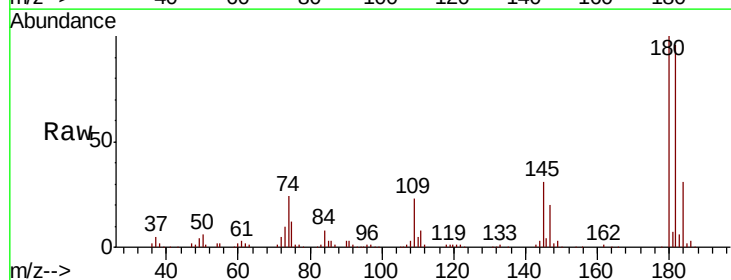


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

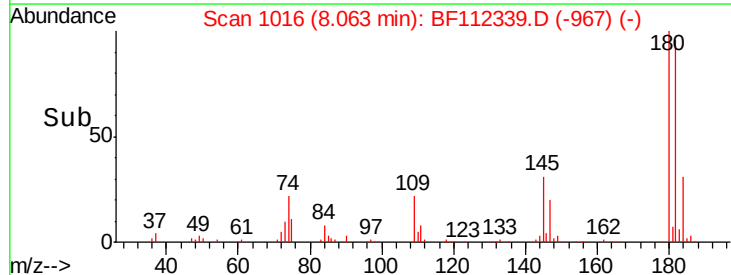
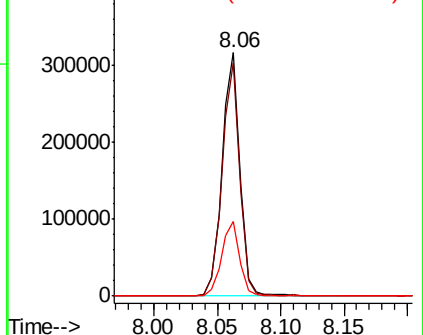


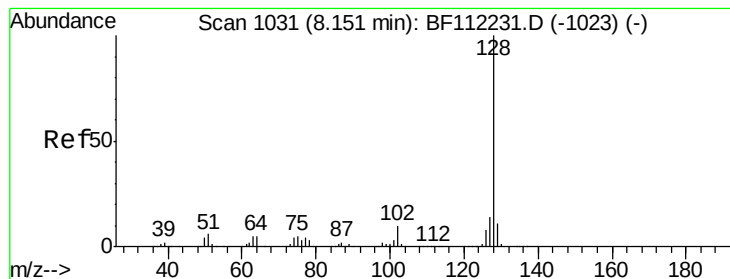
#30
 1,2,4-Trichlorobenzene
 Concen: 32.928 ng
 RT: 8.06 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: BF112339.D
 Acq: 30 Jan 2019 23:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.4	114.6
145	30.6	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: 35.035 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

Instrument :

BNA_F

ClientSampleId :

PB116708BSD

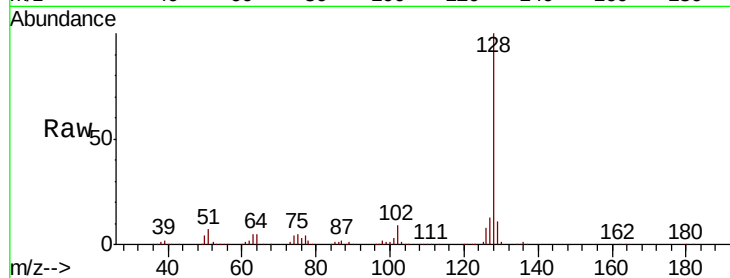
Tot Ion:128 Resp: 936494

Ion Ratio Lower Upper

128 100

129 11.5 9.6 14.4

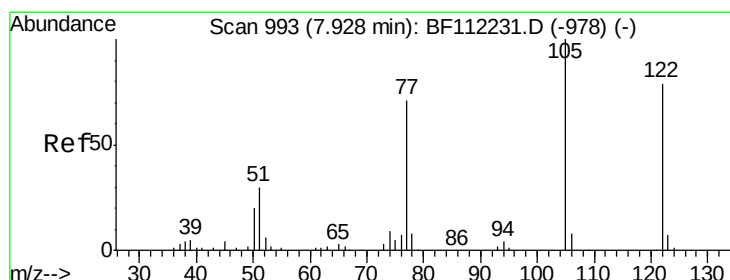
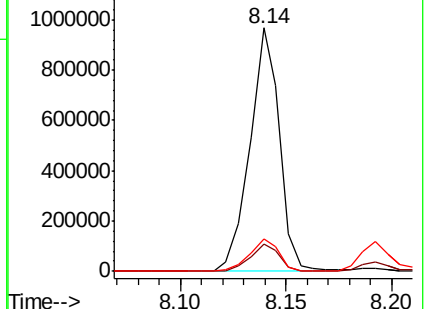
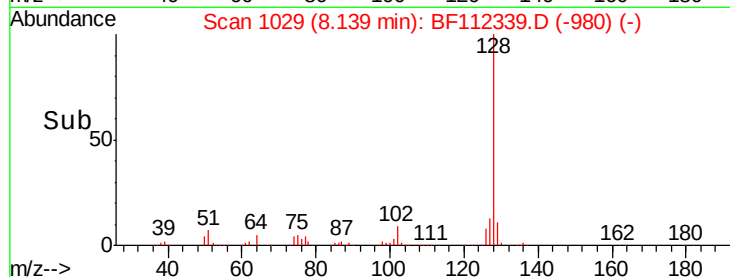
127 13.4 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 21.761 ng

RT: 7.90 min Scan# 988

Delta R.T. -0.03 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

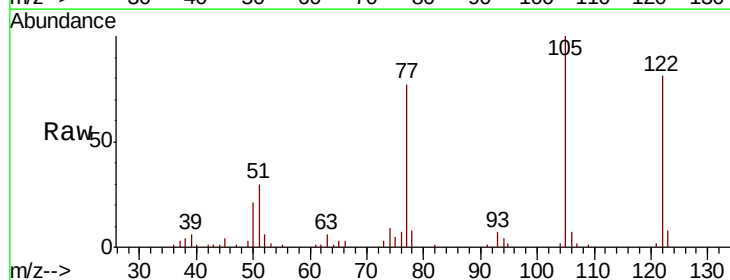
Tgt Ion:122 Resp: 90547

Ion Ratio Lower Upper

122 100

105 122.9 101.2 141.2

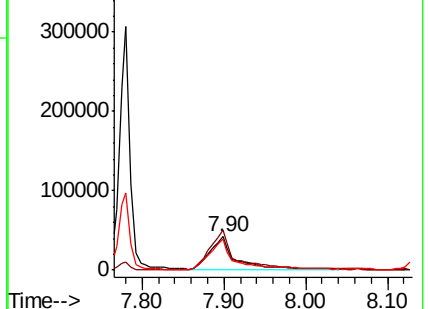
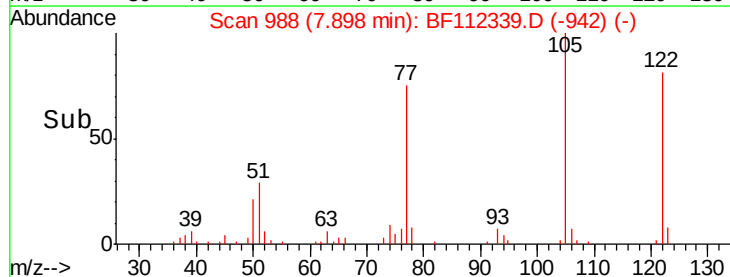
77 94.2 70.4 110.4

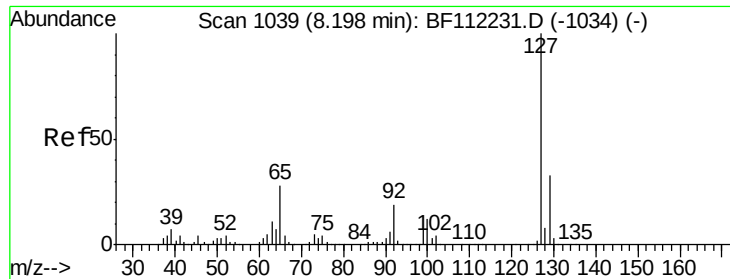


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

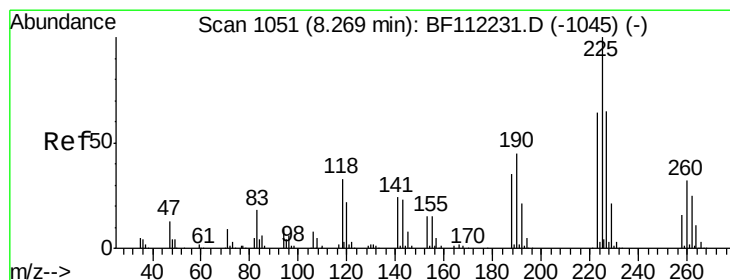
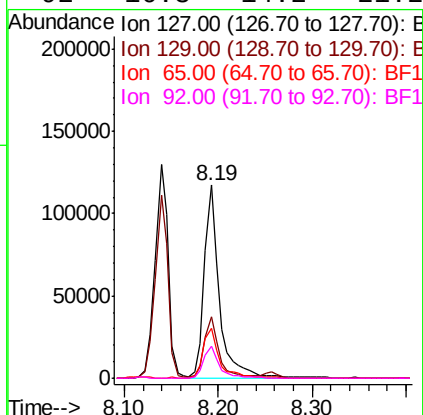
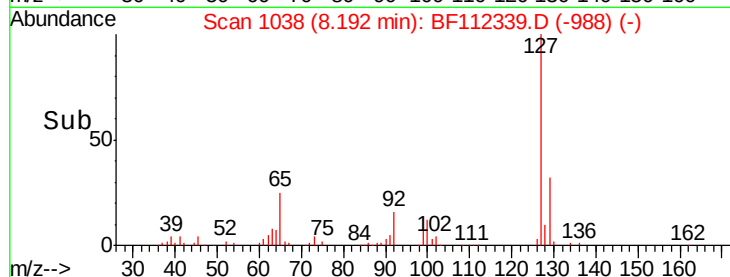
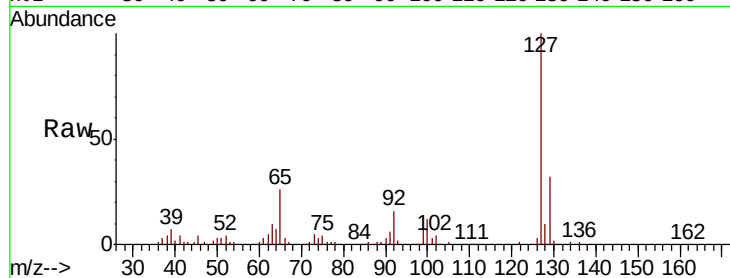




#33
4-Chloroaniline
Concen: 11.390 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

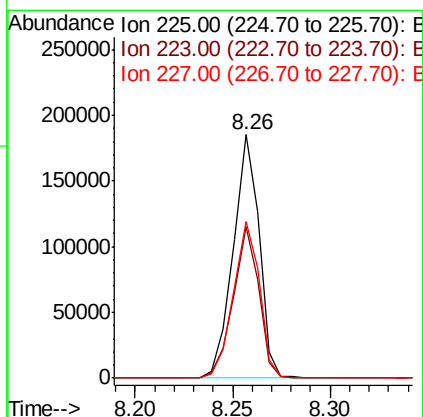
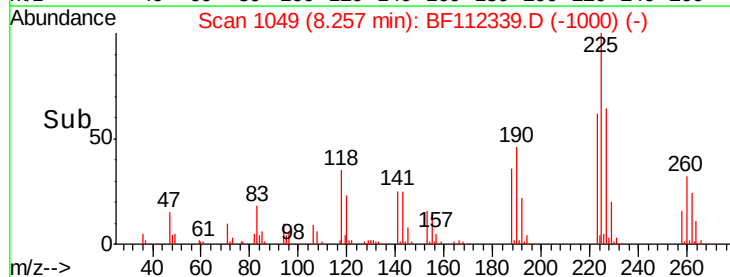
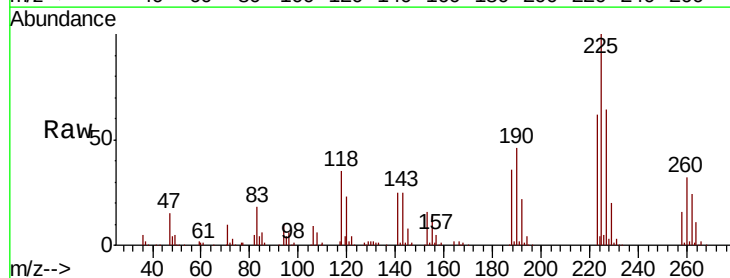
Instrument :
BNA_F
ClientSampleId :
PB116708BSD

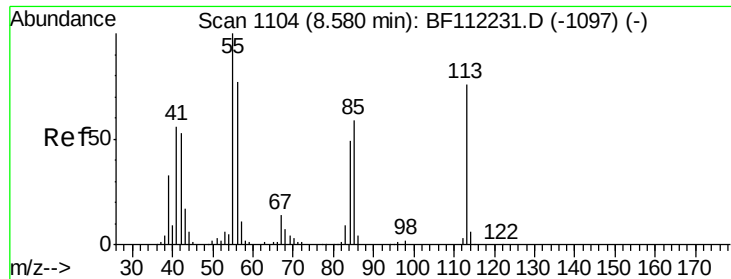
Tot Ion:	127	Resp:	132564
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.6	39.8
65	26.2	21.4	32.2
92	16.3	14.2	21.2



#34
Hexachlorobutadiene
Concen: 30.952 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Tgt Ion:	225	Resp:	170434
Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.3	75.5
227	64.4	51.8	77.8

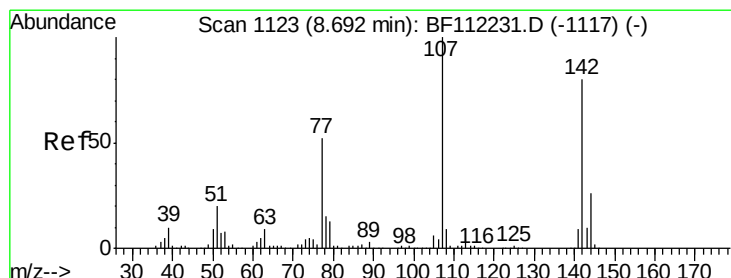
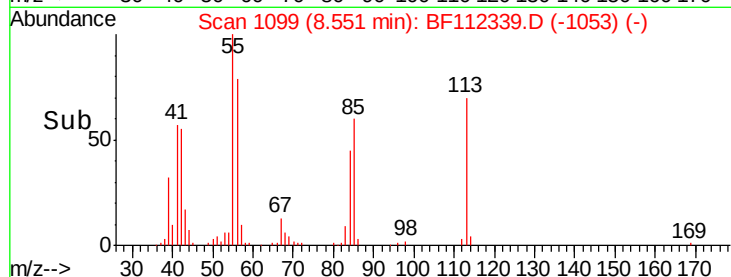
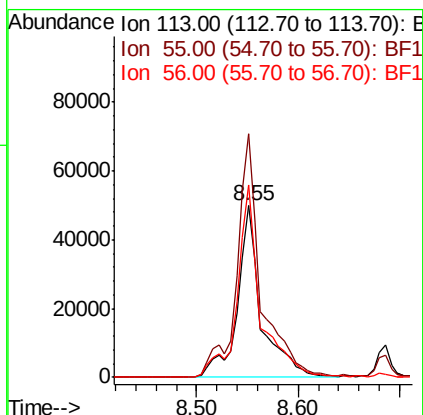
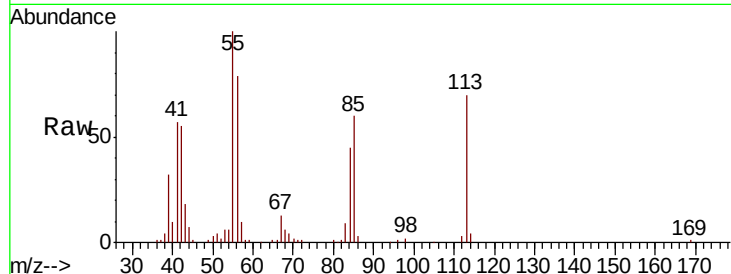




#35
Caprolactam
Concen: 28.280 ng
RT: 8.55 min Scan# 1099
Delta R.T. -0.03 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

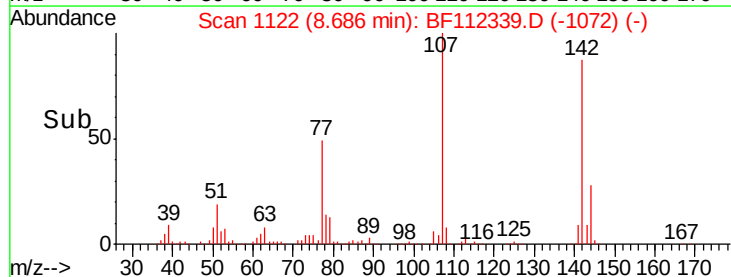
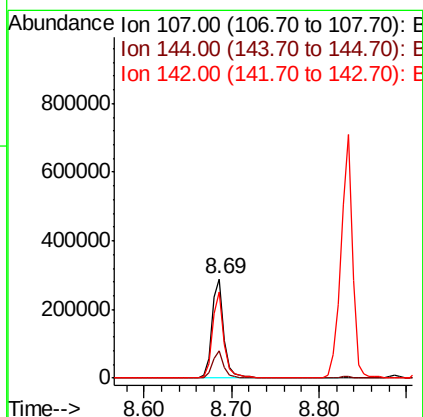
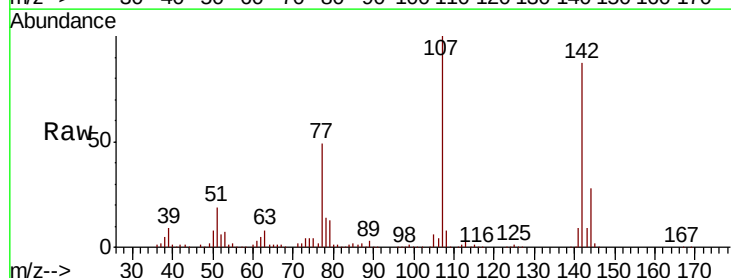
Instrument :
BNA_F
ClientSampleId :
PB116708BSD

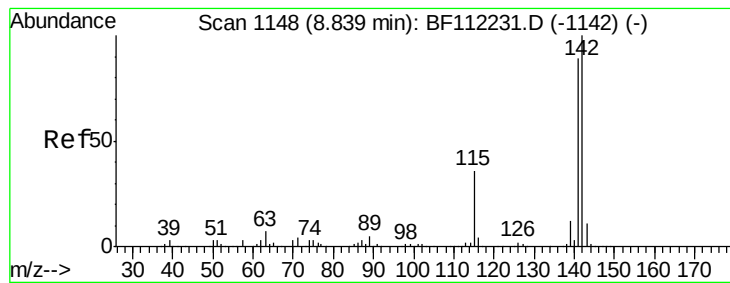
Tot Ion:113 Resp: 81442
Ion Ratio Lower Upper
113 100
55 141.9 121.6 161.6
56 112.3 86.7 126.7



#36
4-Chloro-3-methylphenol
Concen: 31.757 ng
RT: 8.69 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Tgt Ion:107 Resp: 274440
Ion Ratio Lower Upper
107 100
144 28.1 22.2 33.2
142 86.7 67.7 101.5

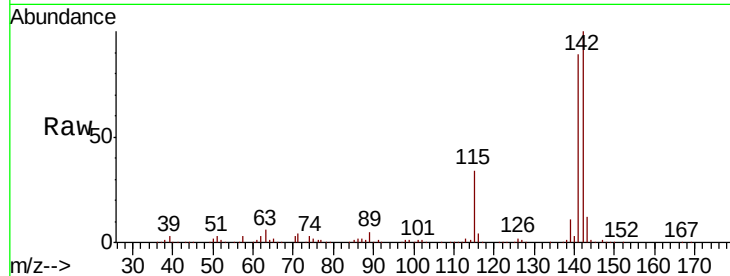




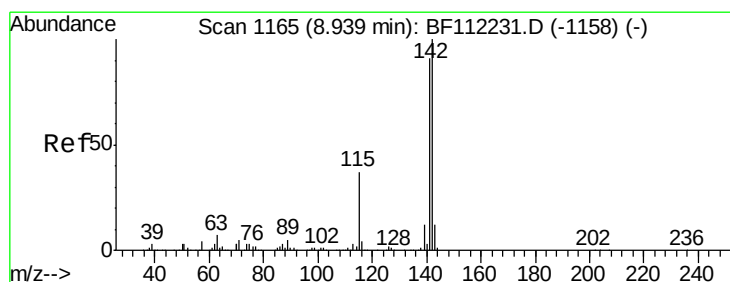
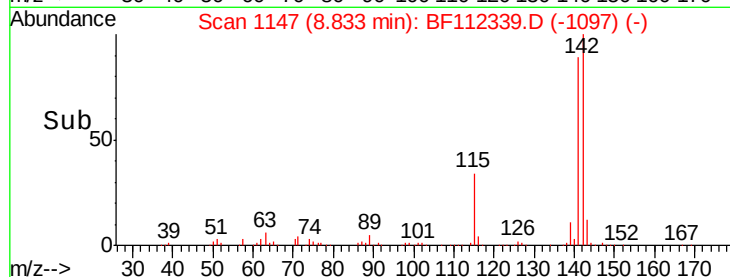
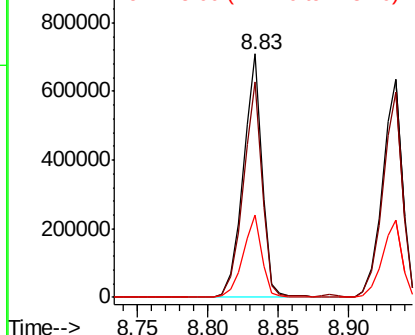
#37
2-Methylnaphthalene
Concen: 35.856 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Instrument :
BNA_F
ClientSampleId :
PB116708BSD

Tot Ion:142 Resp: 656134
Ion Ratio Lower Upper
142 100
141 88.6 70.9 106.3
115 33.9 24.9 37.3

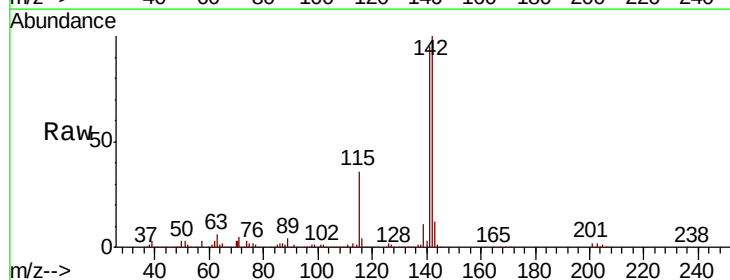


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

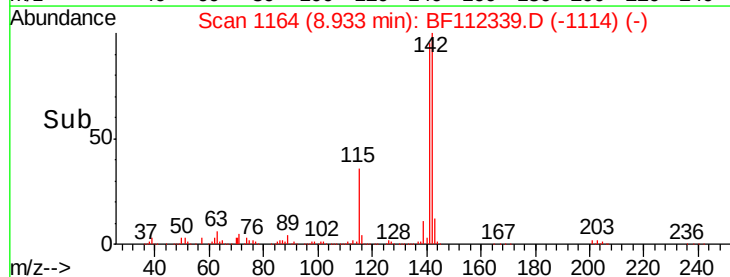
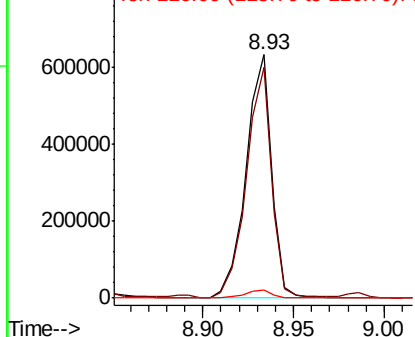


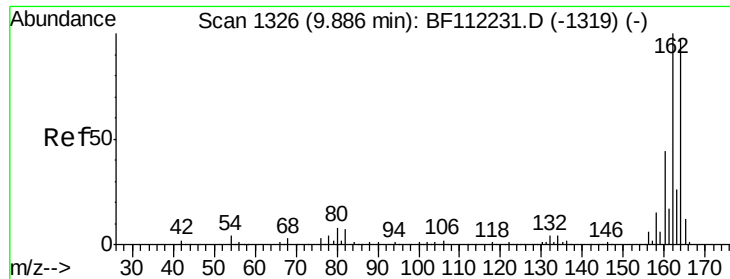
#38
1-Methylnaphthalene
Concen: 35.030 ng
RT: 8.93 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Tgt Ion:142 Resp: 614411
Ion Ratio Lower Upper
142 100
141 94.6 72.6 108.8
116 3.5 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

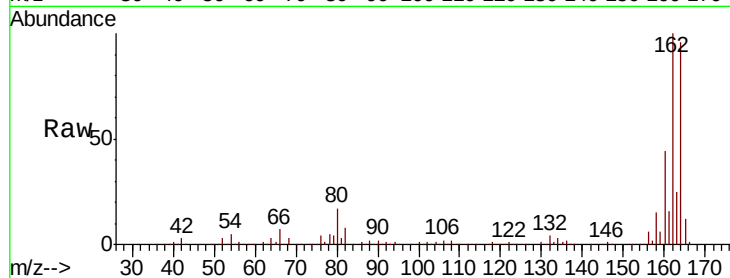




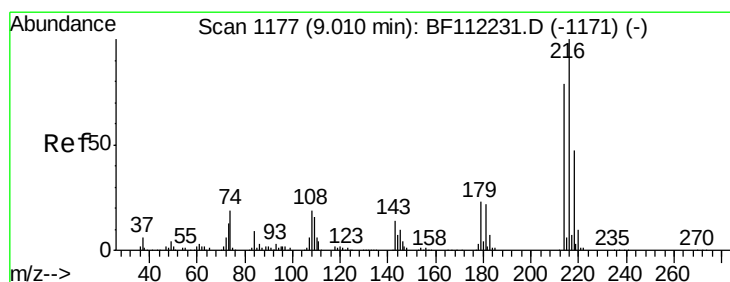
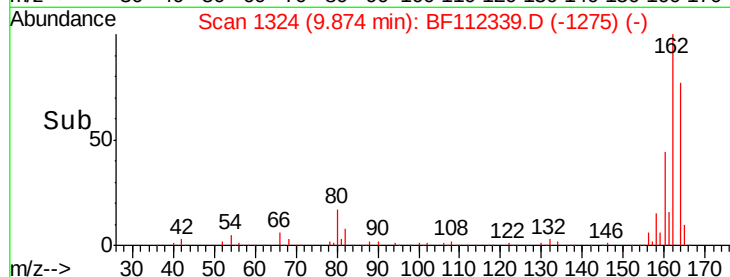
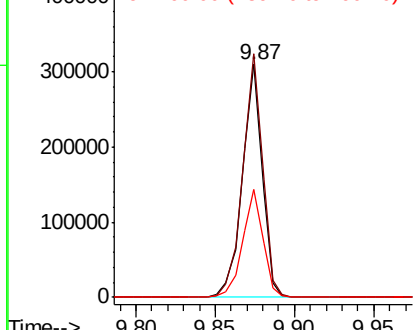
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Instrument :
BNA_F
ClientSampleId :
PB116708BSD

Tot Ion:164 Resp: 267583
Ion Ratio Lower Upper
164 100
162 104.4 82.2 123.4
160 46.1 36.2 54.4

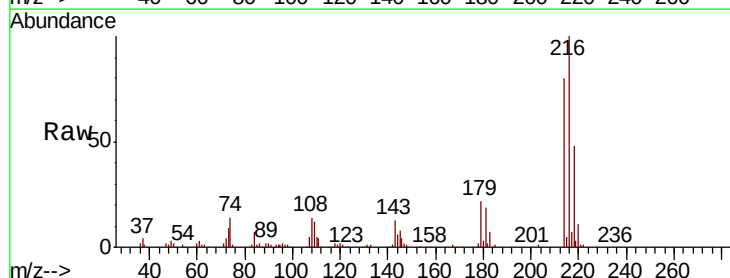


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

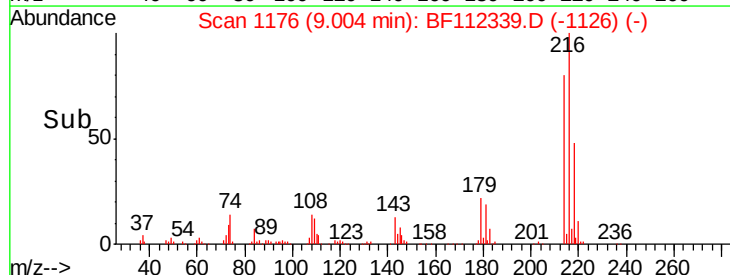
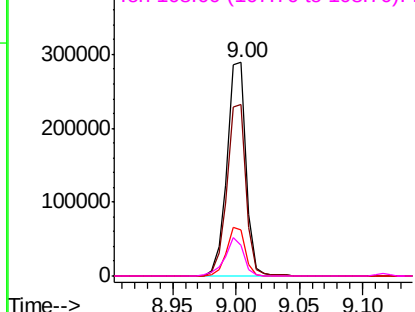


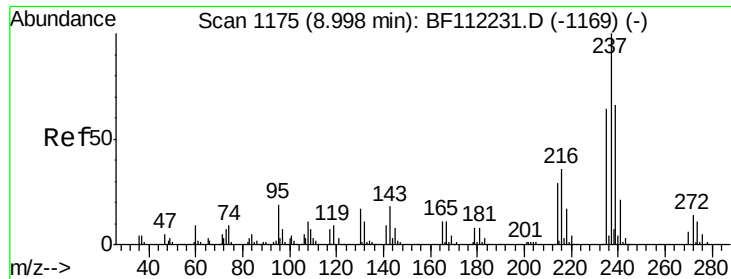
#40
1,2,4,5-Tetrachlorobenzene
Concen: 34.145 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Tgt Ion:216 Resp: 299990
Ion Ratio Lower Upper
216 100
214 79.9 63.8 95.6
179 22.2 16.9 25.3
108 18.0 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

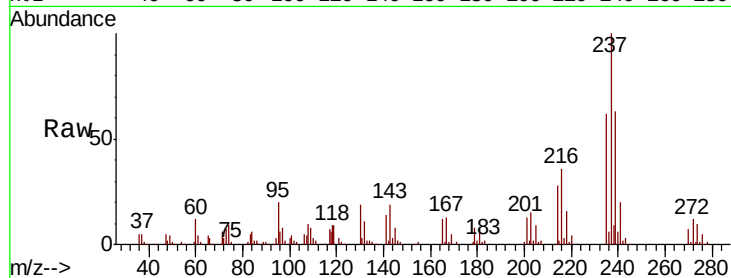




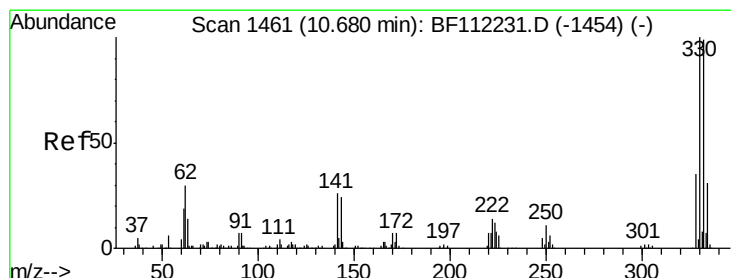
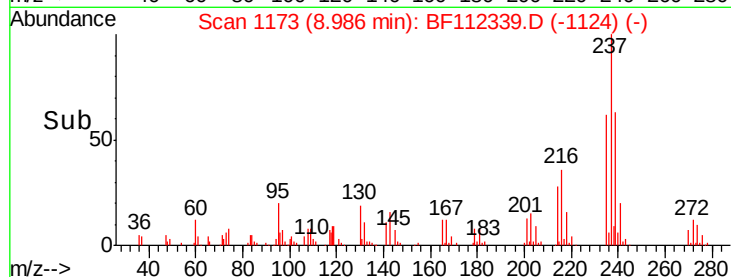
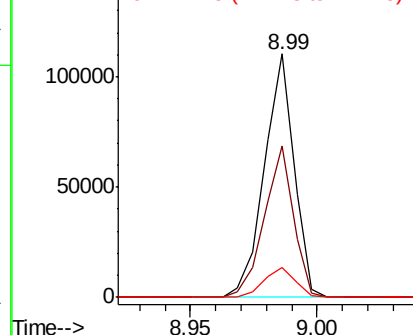
#41
Hexachlorocyclopentadiene
Concen: 33.470 ng
RT: 8.99 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Instrument :
BNA_F
ClientSampleId :
PB116708BSD

Tot Ion:	237	Resp:	90556
Ion	Ratio	Lower	Upper
237	100		
235	62.3	44.0	84.0
272	12.5	0.0	33.3

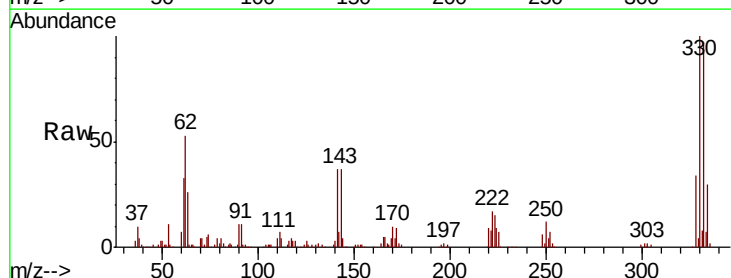


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

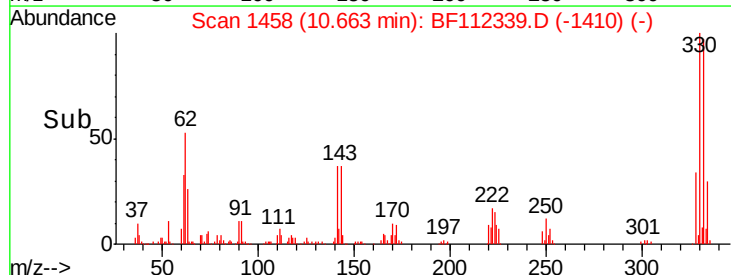
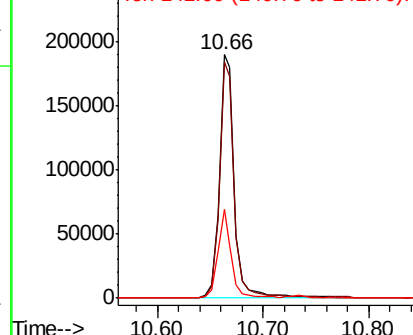


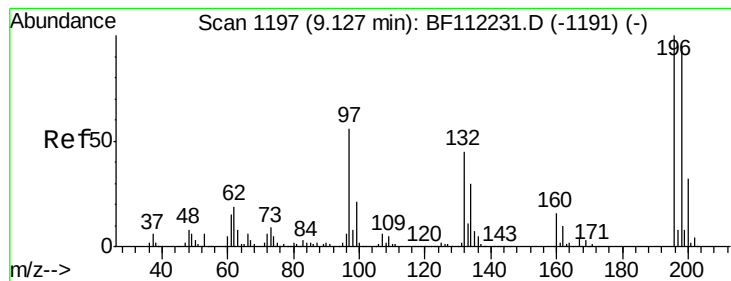
#42
2,4,6-Tribromophenol
Concen: 61.446 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Tgt Ion:	330	Resp:	191379
Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.6	114.8
141	32.4	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: 32.873 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

Instrument :

BNA_F

ClientSampleId :

PB116708BSD

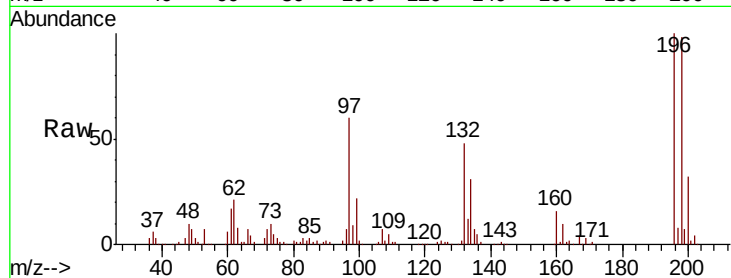
Tot Ion:196 Resp: 178026

Ion Ratio Lower Upper

196 100

198 97.9 76.2 114.4

200 31.9 24.3 36.5

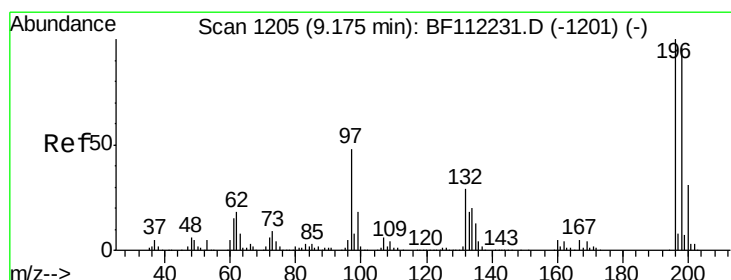
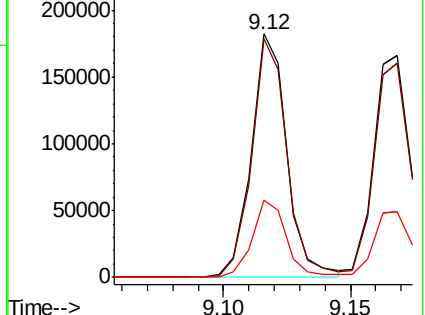
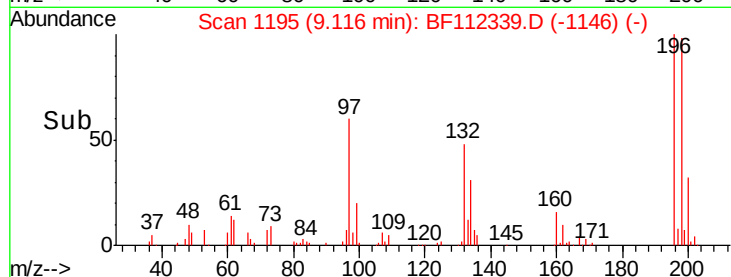


Abundance

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: 33.218 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

Tgt Ion:196 Resp: 188015

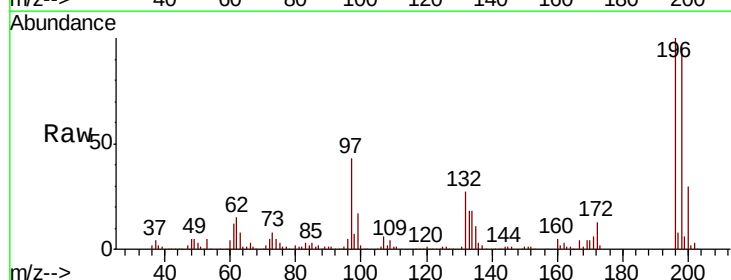
Ion Ratio Lower Upper

196 100

198 96.3 76.0 114.0

97 43.0 36.4 54.6

132 27.4 21.5 32.3



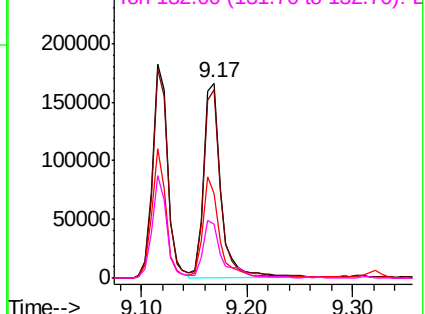
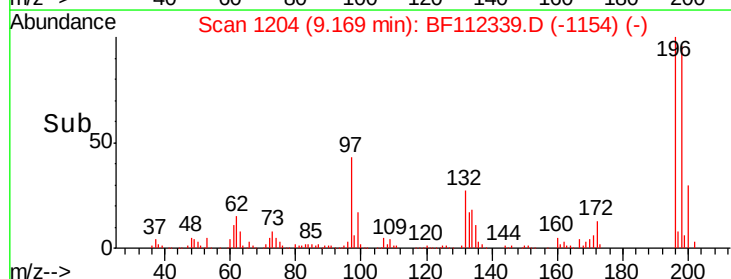
Abundance

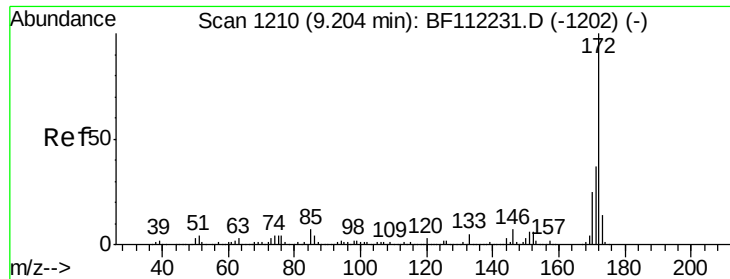
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

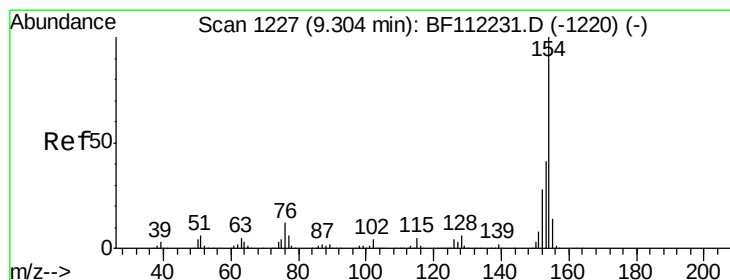
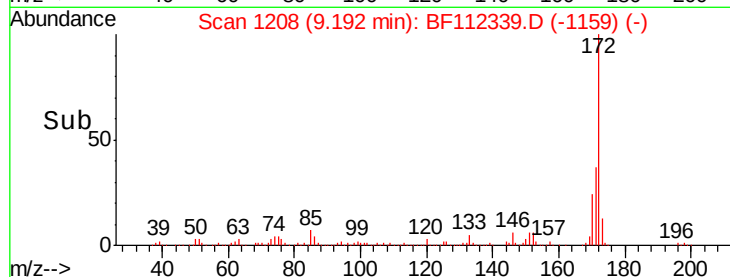
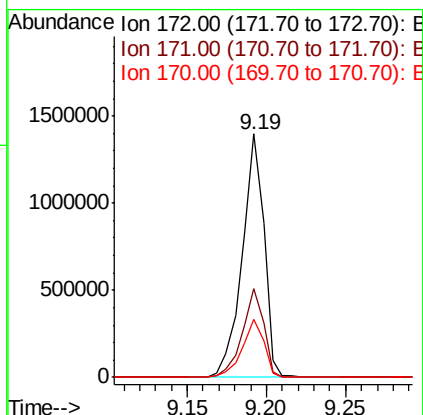
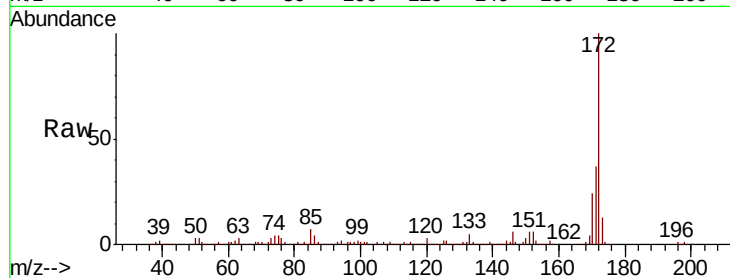




#45
2-Fluorobiphenyl
Concen: 70.265 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

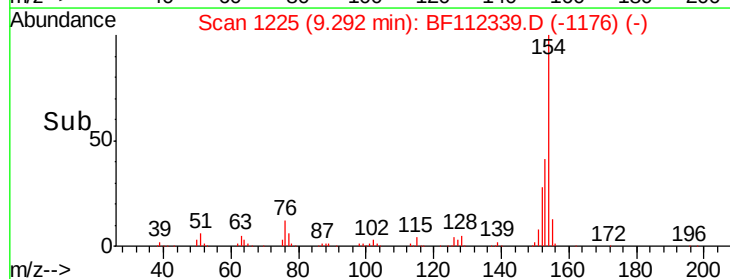
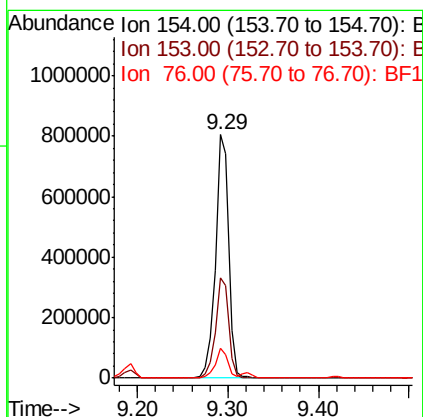
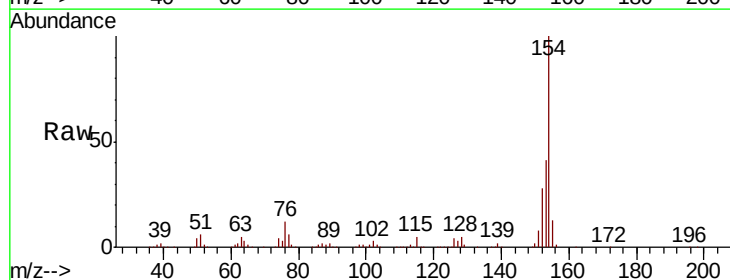
Instrument :
BNA_F
ClientSampleId :
PB116708BSD

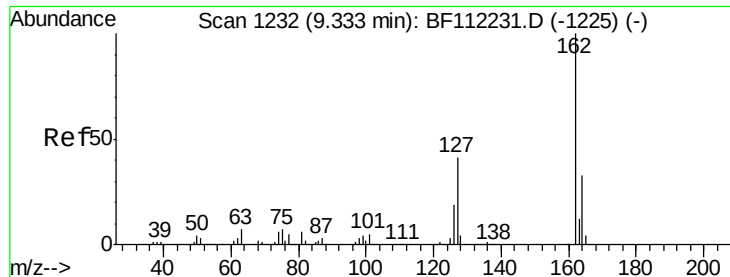
Tot Ion:172 Resp: 1329362
Ion Ratio Lower Upper
172 100
171 36.7 30.5 45.7
170 23.9 20.2 30.4



#46
1,1'-Biphenyl
Concen: 34.280 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Tgt Ion:154 Resp: 801924
Ion Ratio Lower Upper
154 100
153 41.1 21.5 61.5
76 12.3 0.0 33.1

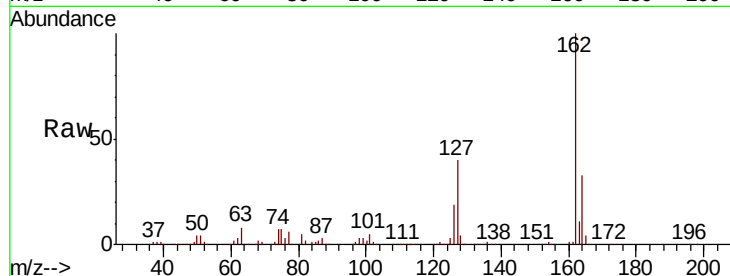




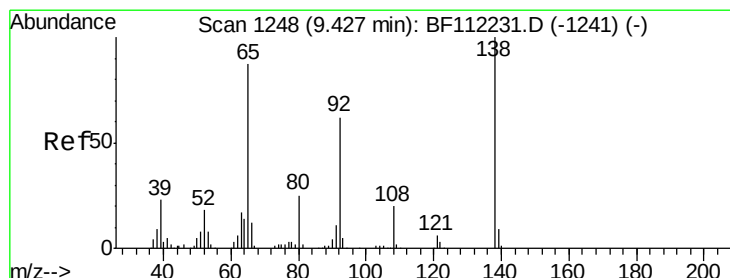
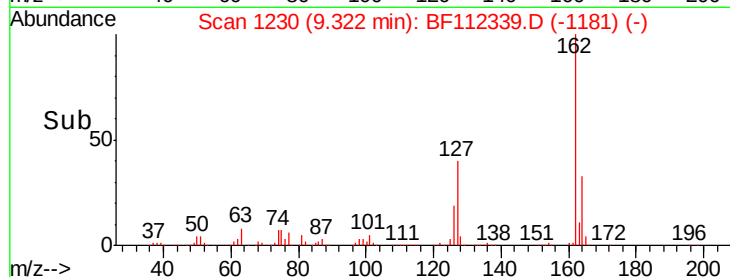
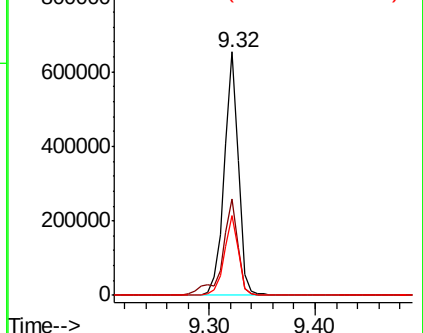
#47
 2-Chloronaphthalene
 Concen: 33.681 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF112339.D
 Acq: 30 Jan 2019 23:30

Instrument :
 BNA_F
 ClientSampleId :
 PB116708BSD

Tot Ion:	162	Resp:	610986
Ion	Ratio	Lower	Upper
162	100		
127	39.6	30.4	45.6
164	32.9	27.4	41.2

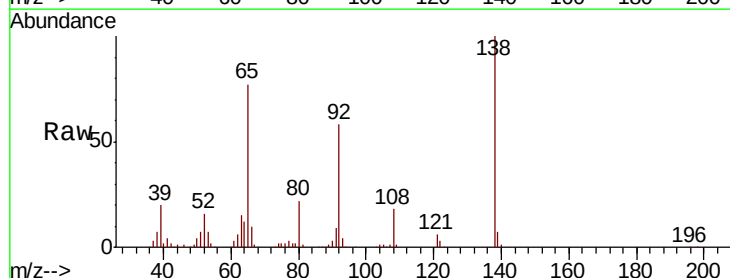


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

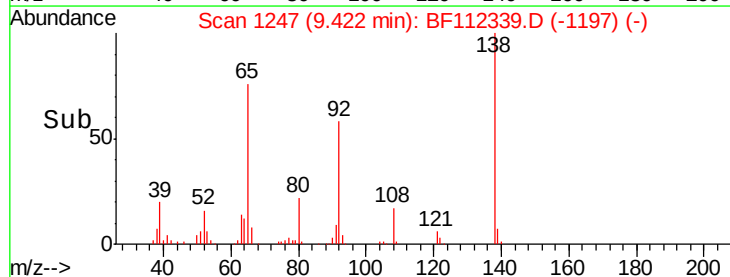
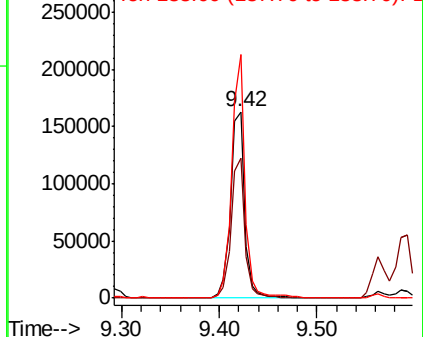


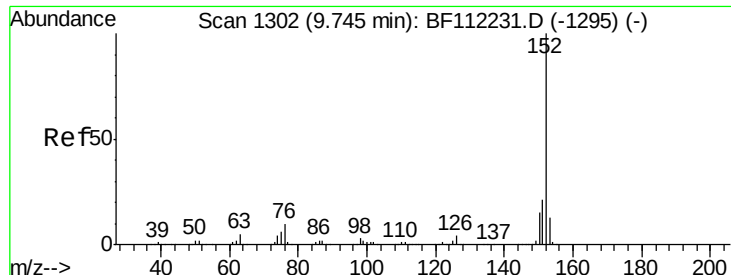
#48
 2-Nitroaniline
 Concen: 33.577 ng
 RT: 9.42 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: BF112339.D
 Acq: 30 Jan 2019 23:30

Tgt Ion:	65	Resp:	166016
Ion	Ratio	Lower	Upper
65	100		
92	75.3	60.4	90.6
138	130.6	104.4	156.6



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

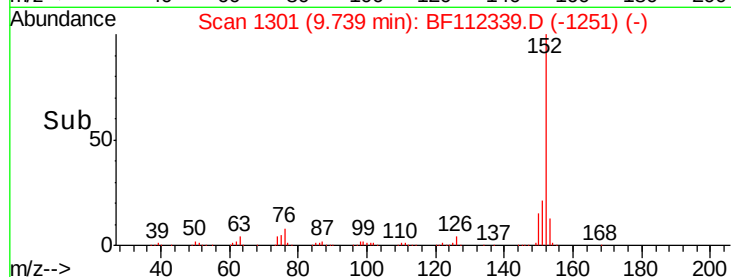
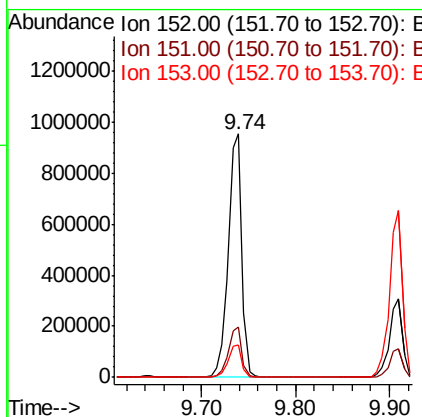
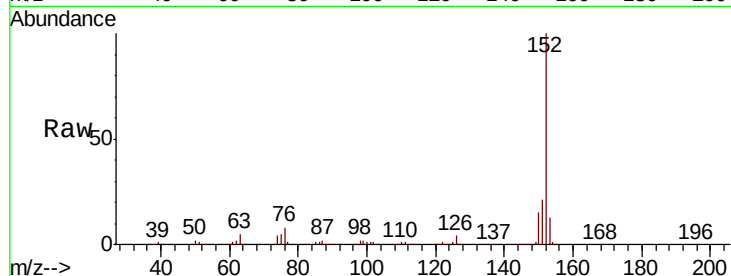




#49
 Acenaphthylene
 Concen: 35.914 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: BF112339.D
 Acq: 30 Jan 2019 23:30

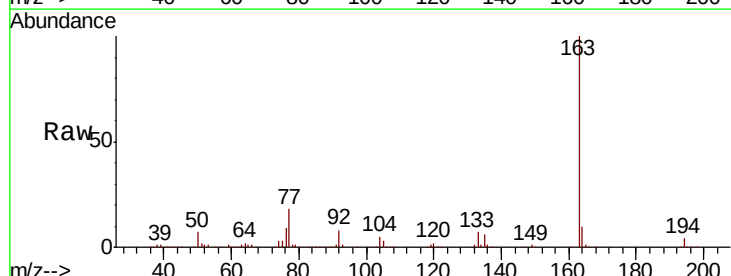
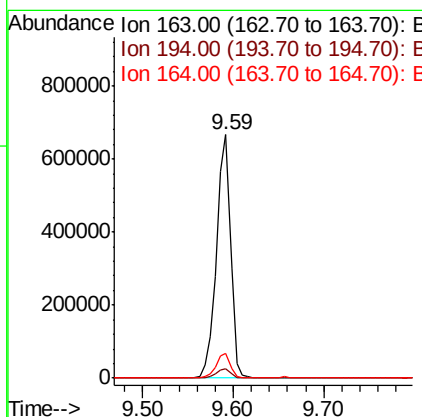
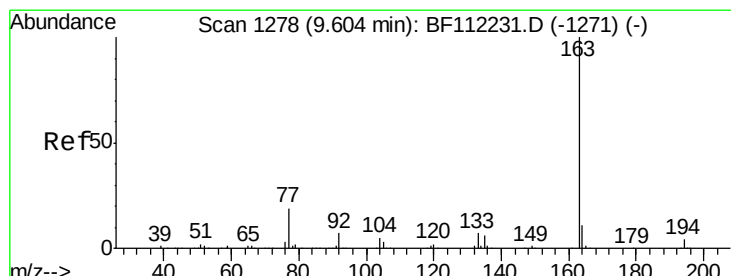
Instrument :
 BNA_F
 ClientSampleId :
 PB116708BSD

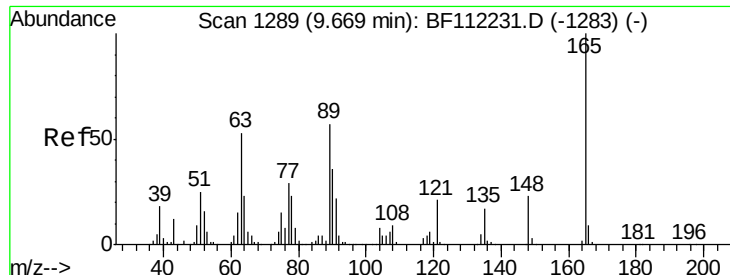
Tot Ion:152 Resp: 954900
 Ion Ratio Lower Upper
 152 100
 151 20.6 17.0 25.6
 153 13.2 11.2 16.8



#50
 Dimethylphthalate
 Concen: 34.257 ng
 RT: 9.59 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: BF112339.D
 Acq: 30 Jan 2019 23:30

Tgt Ion:163 Resp: 712200
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.3 4.9
 164 10.4 8.5 12.7





#51

2,6-Dinitrotoluene

Concen: 33.775 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

Instrument :

BNA_F

ClientSampleId :

PB116708BSD

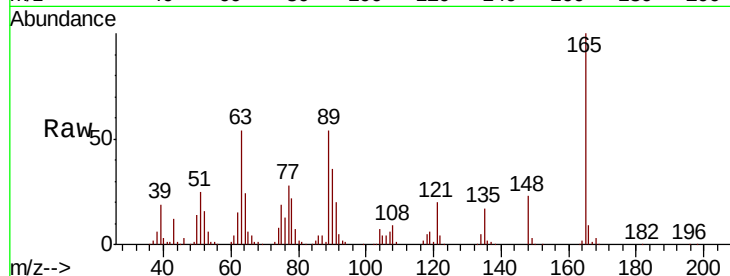
Tot Ion:165 Resp: 157261

Ion Ratio Lower Upper

165 100

63 53.9 33.8 50.8#

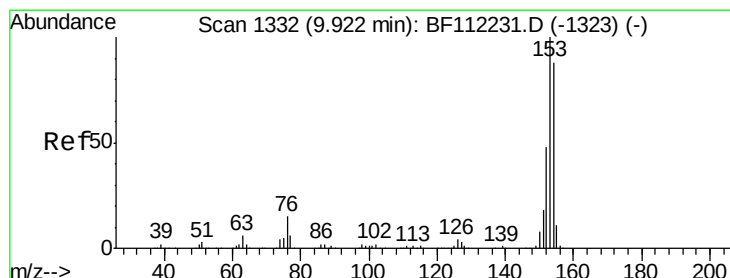
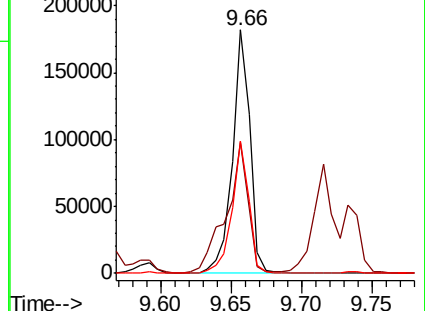
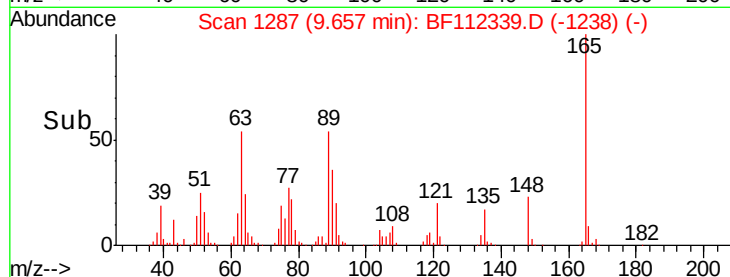
89 54.1 36.9 55.3



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 34.549 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

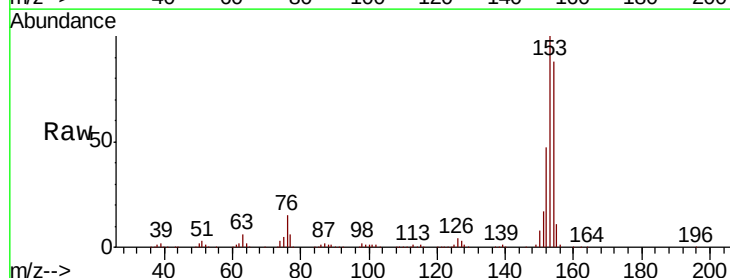
Tgt Ion:154 Resp: 548757

Ion Ratio Lower Upper

154 100

153 113.7 89.8 134.6

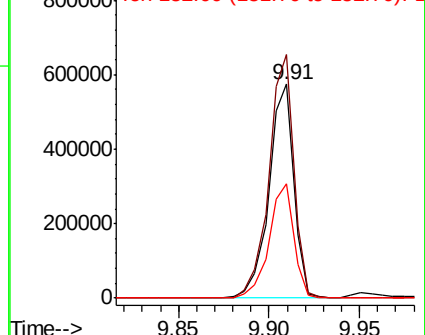
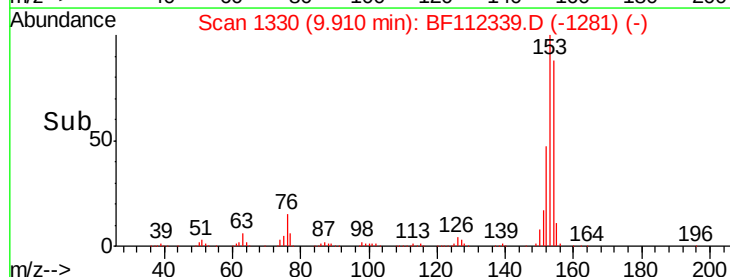
152 53.5 43.5 65.3

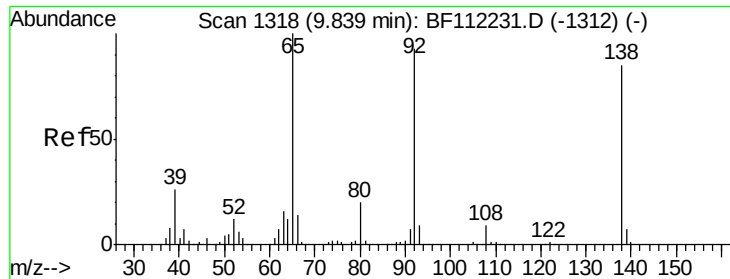


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

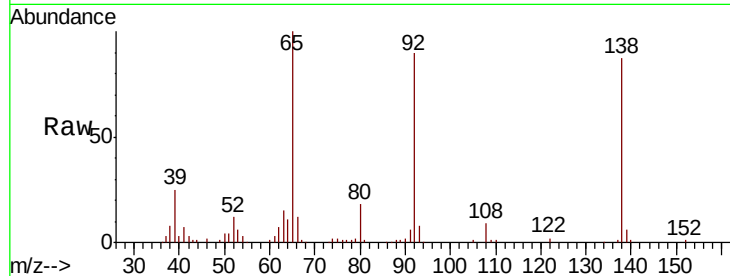




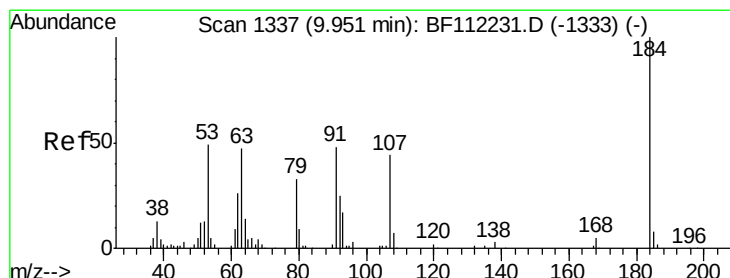
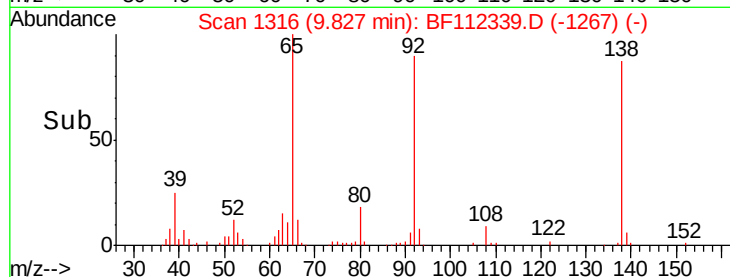
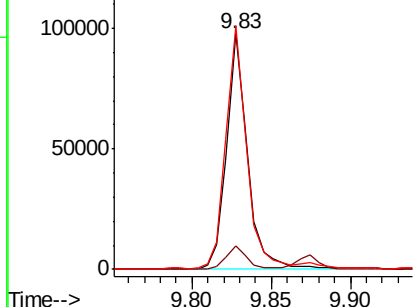
#53
3-Nitroaniline
Concen: 17.910 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Instrument :
BNA_F
ClientSampleId :
PB116708BSD

Tot Ion:138 Resp: 90345
Ion Ratio Lower Upper
138 100
108 10.0 9.8 14.6
92 103.2 79.4 119.2

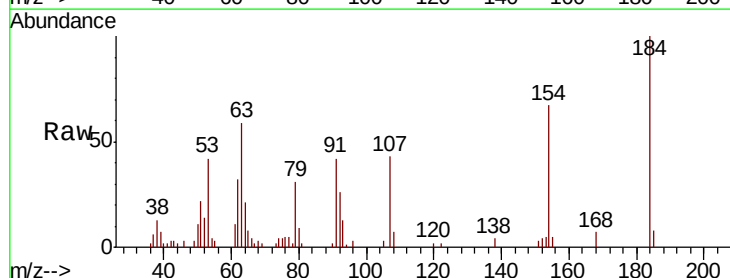


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

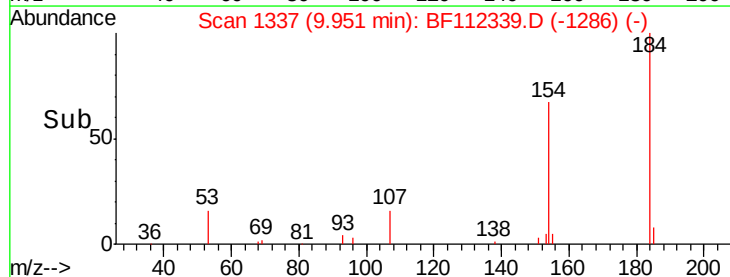
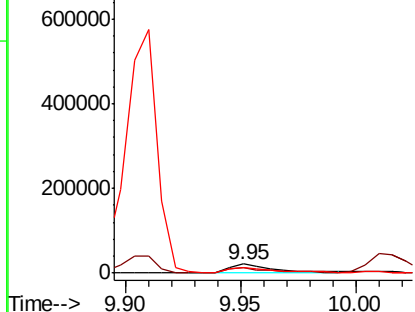


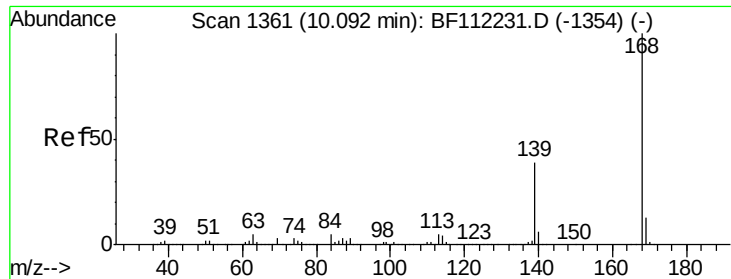
#54
2,4-Dinitrophenol
Concen: 19.781 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.00 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Tgt Ion:184 Resp: 29558
Ion Ratio Lower Upper
184 100
63 58.8 47.1 70.7
154 67.4 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

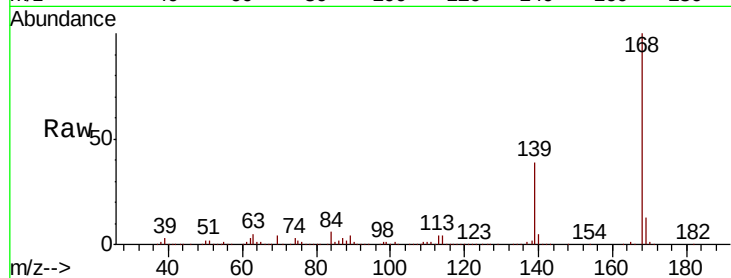




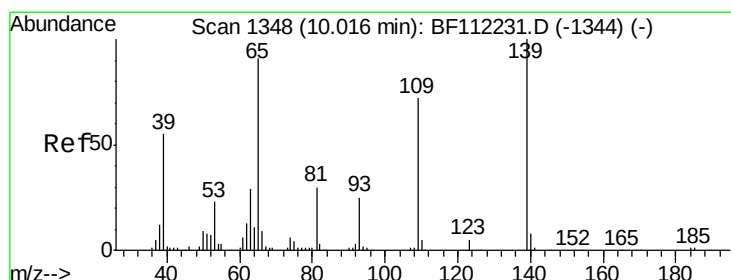
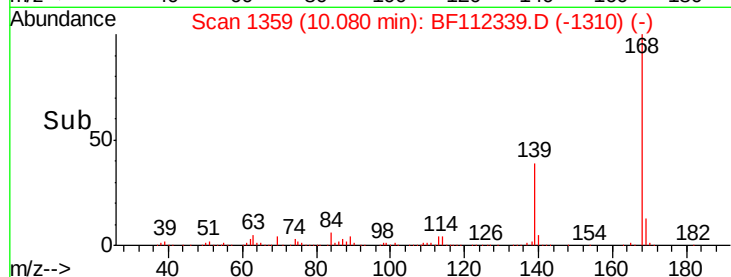
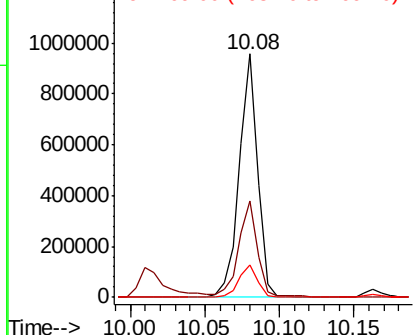
#55
Dibenzenofuran
Concen: 34.091 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Instrument :
BNA_F
ClientSampleId :
PB116708BSD

Tot Ion:168 Resp: 827474
Ion Ratio Lower Upper
168 100
139 39.4 29.2 43.8
169 13.2 11.4 17.0

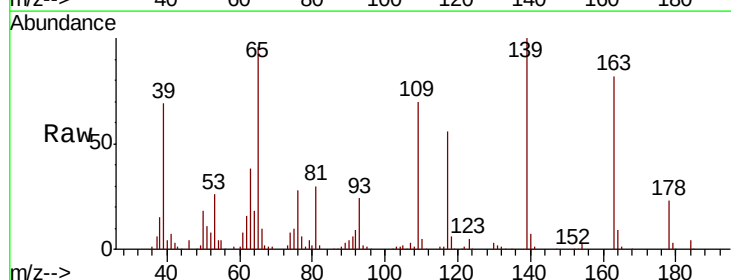


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

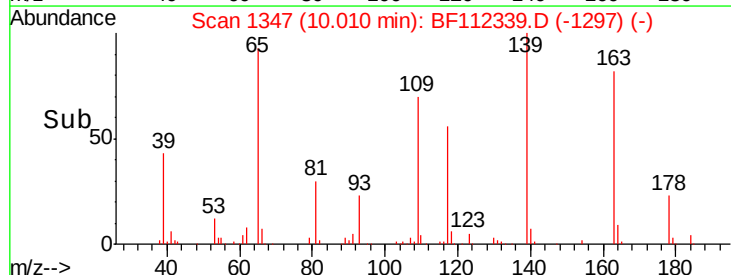
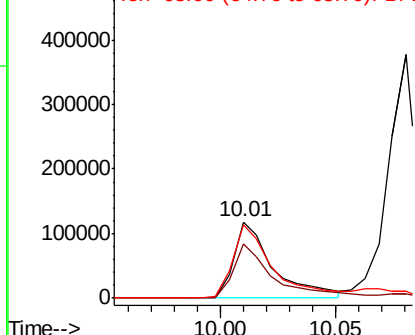


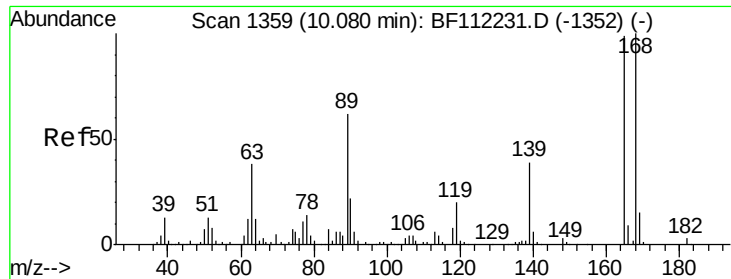
#56
4-Nitrophenol
Concen: 52.918 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Tgt Ion:139 Resp: 141127
Ion Ratio Lower Upper
139 100
109 70.1 42.8 82.8
65 96.3 66.1 106.1



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





#57

2,4-Dinitrotoluene

Concen: 34.109 ng

RT: 10.07 min Scan# 1357

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

Instrument :

BNA_F

ClientSampleId :

PB116708BSD

Tot Ion:165 Resp: 202186

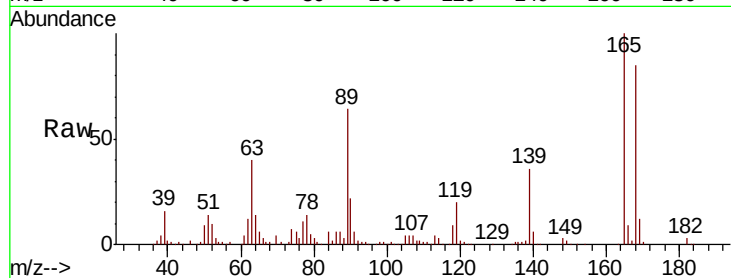
Ion Ratio Lower Upper

165 100

63 40.3 27.9 41.9

89 63.7 47.9 71.9

182 2.9 2.2 3.4

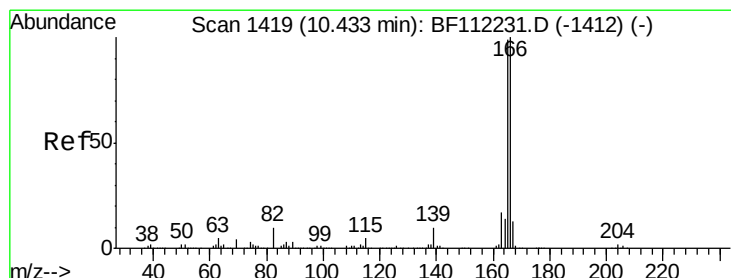
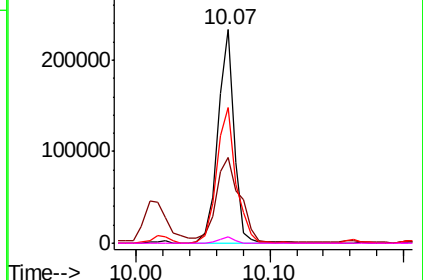
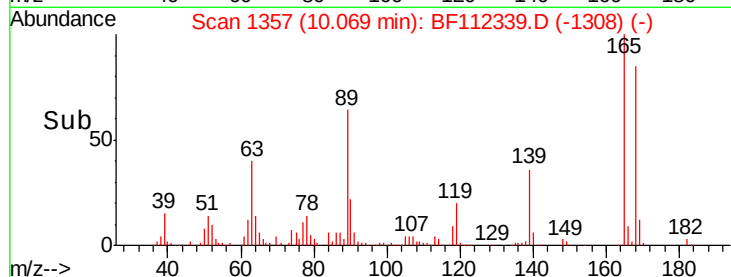


Abundance Ion 165.00 (164.70 to 165.70): E

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: 36.096 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

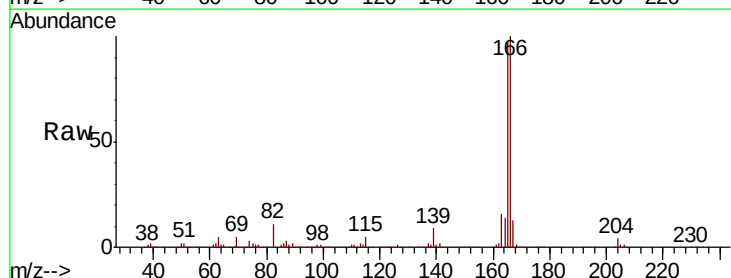
Tgt Ion:166 Resp: 655631

Ion Ratio Lower Upper

166 100

165 97.5 77.1 115.7

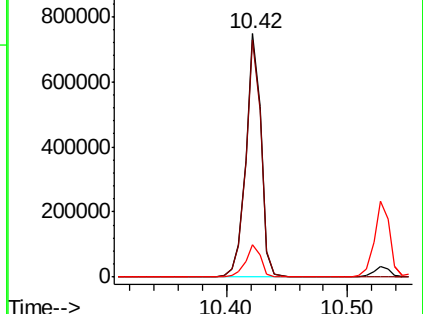
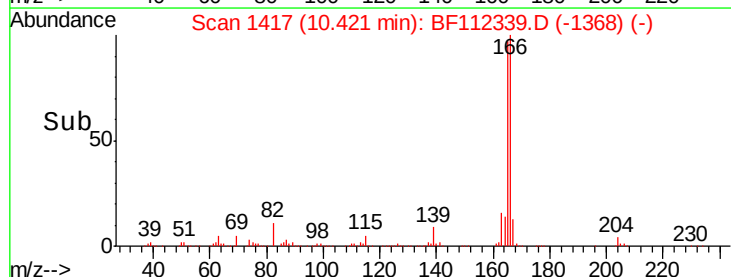
167 13.3 11.3 16.9

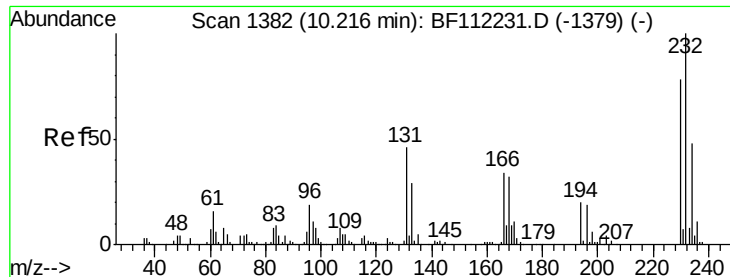


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

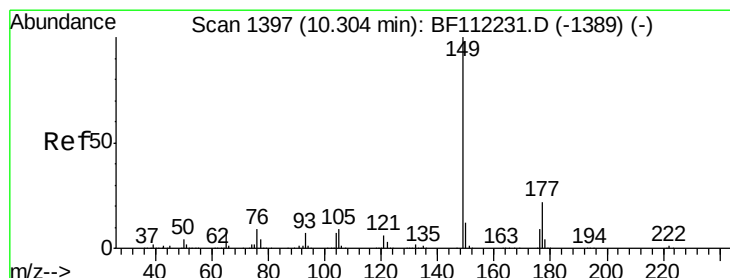
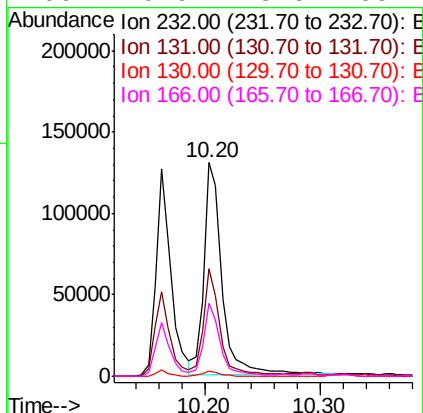
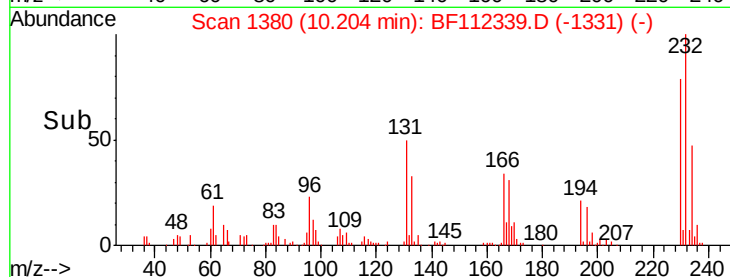
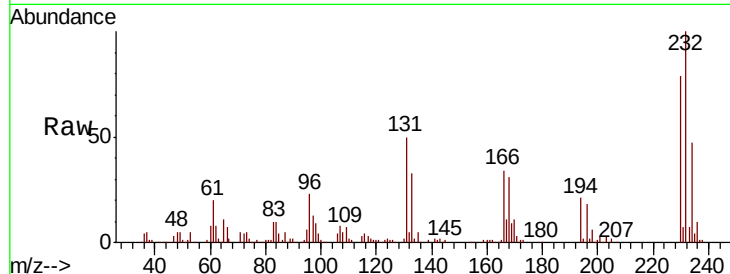




#59
2,3,4,6-Tetrachlorophenol
Concen: 33.632 ng
RT: 10.20 min Scan# 1380
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

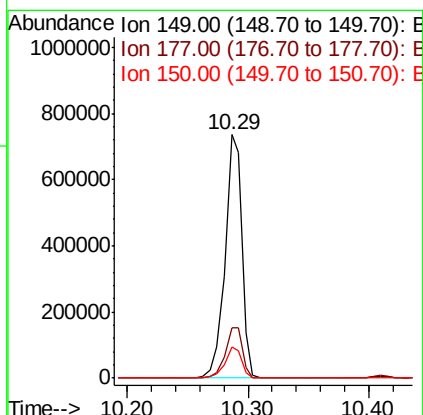
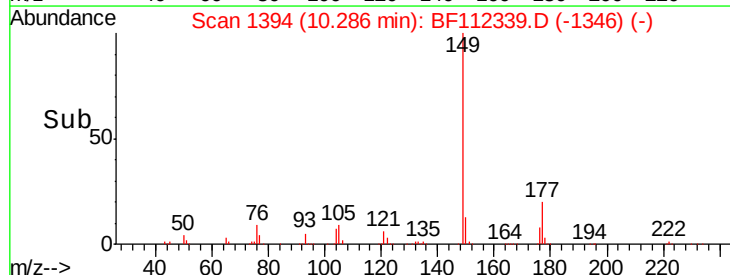
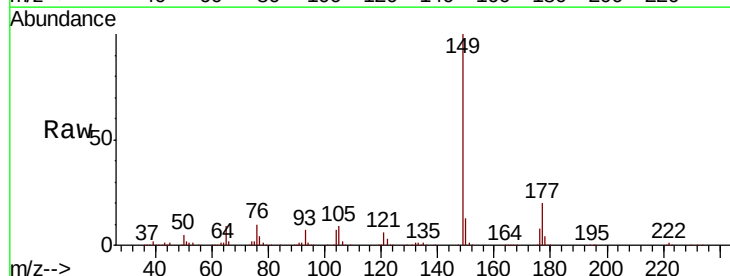
Instrument :
BNA_F
ClientSampleId :
PB116708BSD

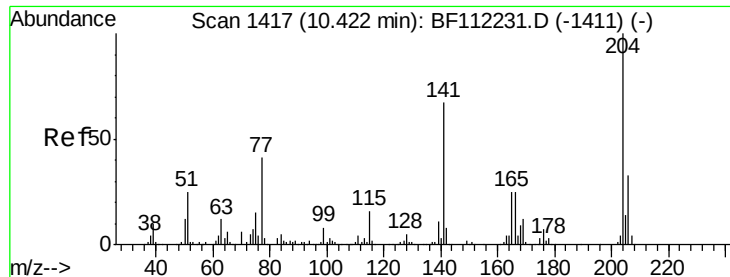
Tot Ion:232 Resp: 143852
Ion Ratio Lower Upper
232 100
131 44.3 33.9 50.9
130 2.4 1.8 2.6
166 29.9 23.6 35.4



#60
Diethylphthalate
Concen: 34.252 ng
RT: 10.29 min Scan# 1394
Delta R.T. -0.02 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Tgt Ion:149 Resp: 706668
Ion Ratio Lower Upper
149 100
177 20.5 18.2 27.2
150 12.7 10.4 15.6

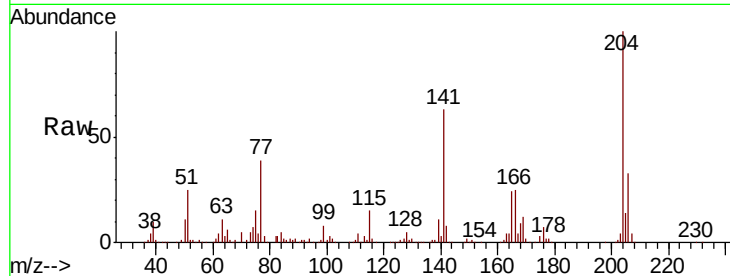




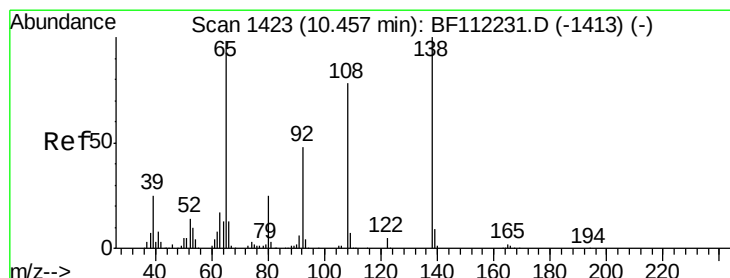
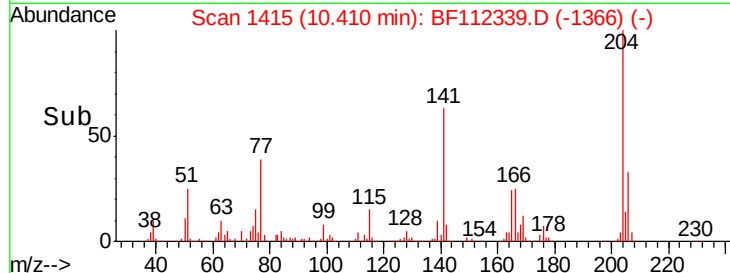
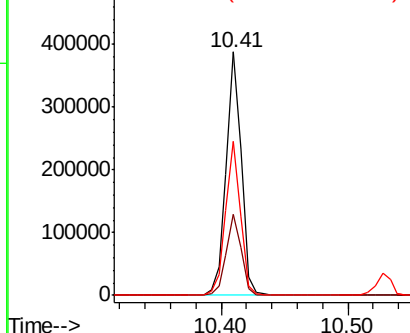
#61
 4-Chlorophenyl-phenylether
 Concen: 32.539 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: BF112339.D
 Acq: 30 Jan 2019 23:30

Instrument :
 BNA_F
 ClientSampleId :
 PB116708BSD

Tot Ion:204 Resp: 321496
 Ion Ratio Lower Upper
 204 100
 206 33.1 26.5 39.7
 141 63.3 45.9 68.9

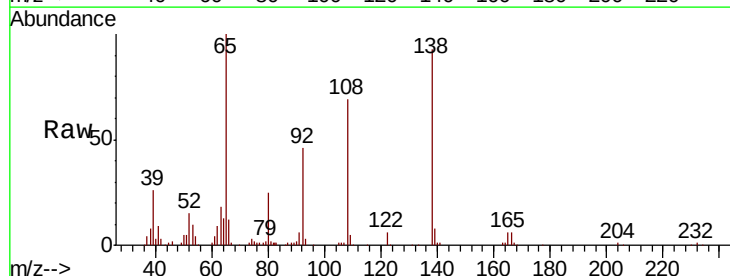


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

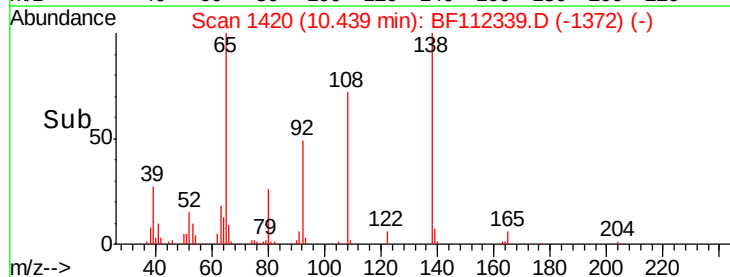
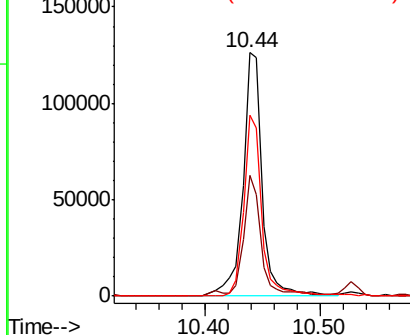


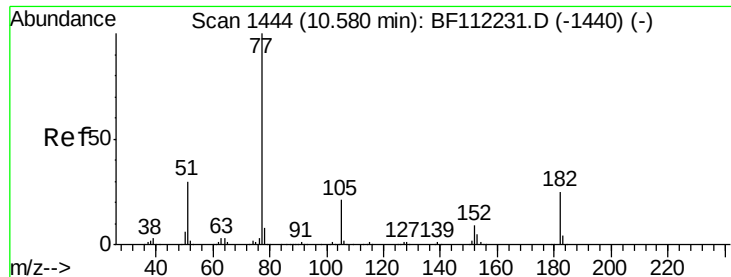
#62
 4-Nitroaniline
 Concen: 29.698 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.02 min
 Lab File: BF112339.D
 Acq: 30 Jan 2019 23:30

Tgt Ion:138 Resp: 146938
 Ion Ratio Lower Upper
 138 100
 92 49.4 30.6 70.6
 108 74.2 50.0 90.0



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





#63

Azobenzene

Concen: 32.914 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

Instrument :

BNA_F

ClientSampleId :

PB116708BSD

Tot Ion: 77 Resp: 597233

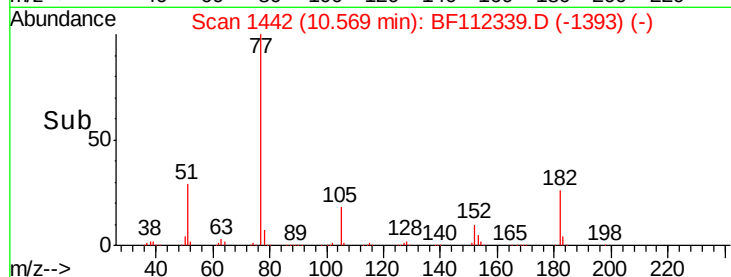
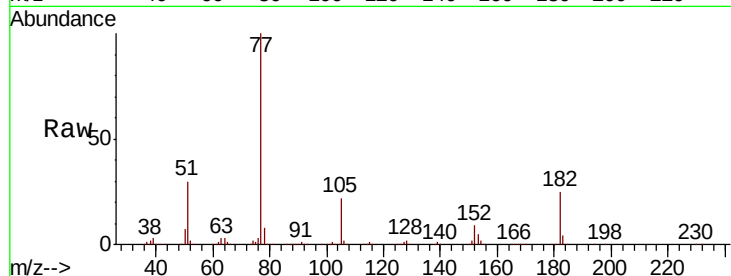
Ion Ratio Lower Upper

77 100

182 25.5 5.7 45.7

105 21.8 1.4 41.4

51 29.5 9.5 49.5

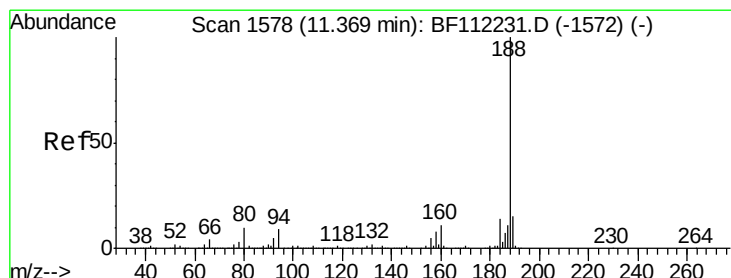
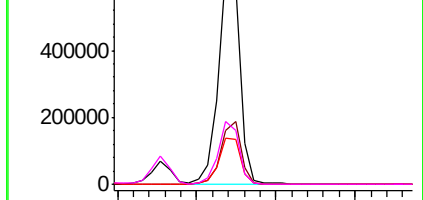


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

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: BF112339.D

Acq: 30 Jan 2019 23:30

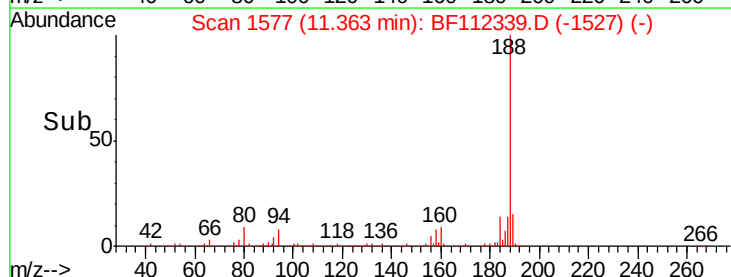
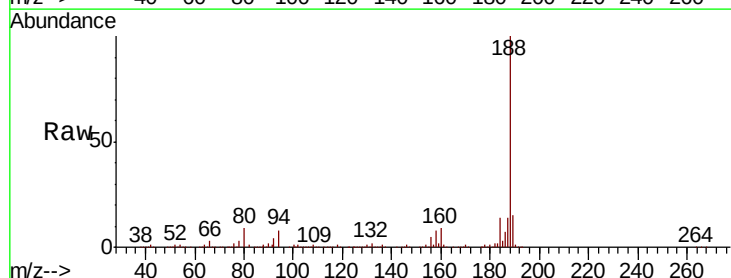
Tgt Ion: 188 Resp: 475036

Ion Ratio Lower Upper

188 100

94 8.0 8.2 12.2#

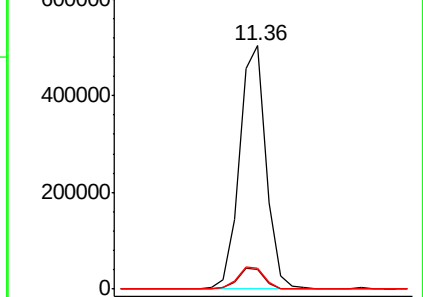
80 8.6 8.9 13.3#

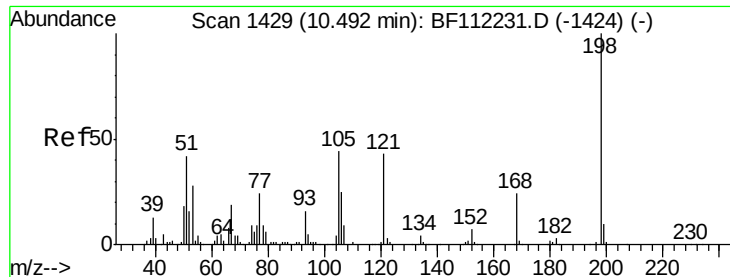


Abundance Ion 188.00 (187.70 to 188.70): BF1

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: 14.770 ng

RT: 10.48 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

Instrument :

BNA_F

ClientSampleId :

PB116708BSD

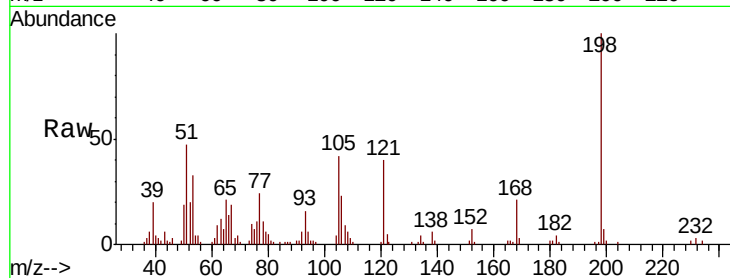
Tot Ion:198 Resp: 39339

Ion	Ratio	Lower	Upper
198	100		
51	46.6	17.2	57.2
105	42.3	21.9	61.9

198 100

51 46.6 17.2 57.2

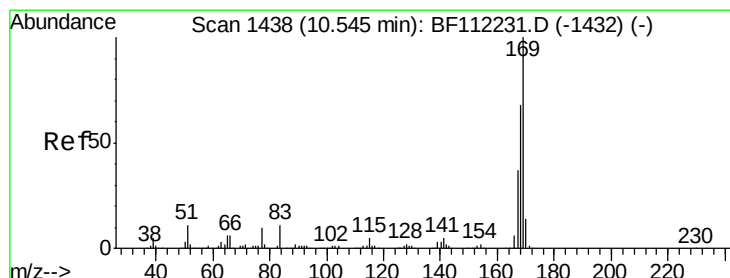
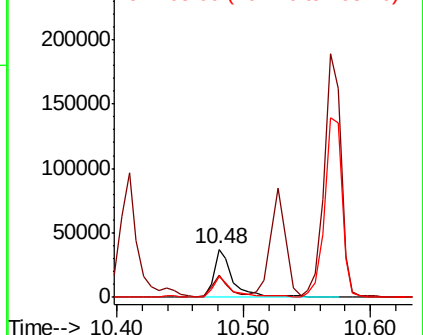
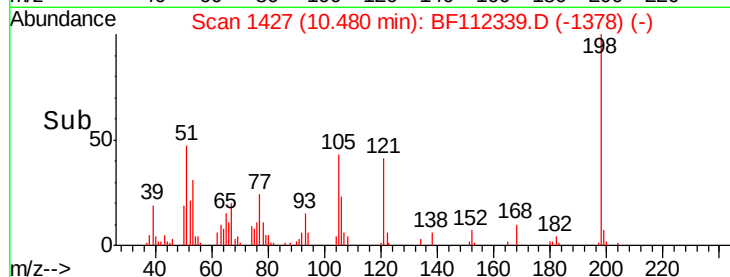
105 42.3 21.9 61.9



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 35.840 ng

RT: 10.53 min Scan# 1435

Delta R.T. -0.02 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

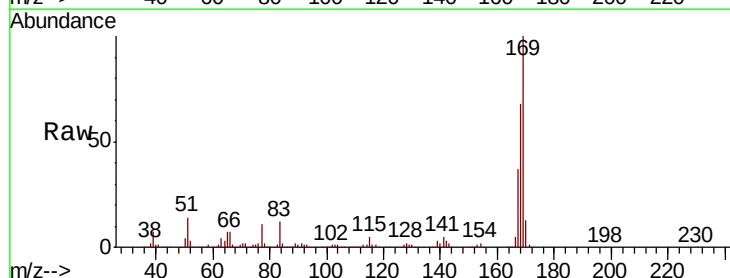
Tgt Ion:169 Resp: 573793

Ion	Ratio	Lower	Upper
169	100		
168	67.9	53.9	80.9
167	37.0	28.9	43.3

169 100

168 67.9 53.9 80.9

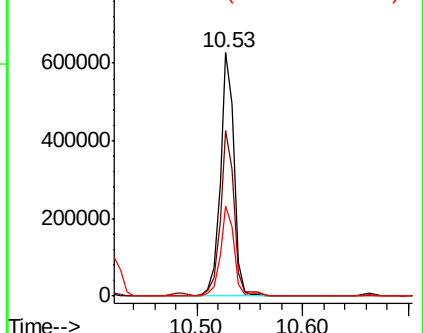
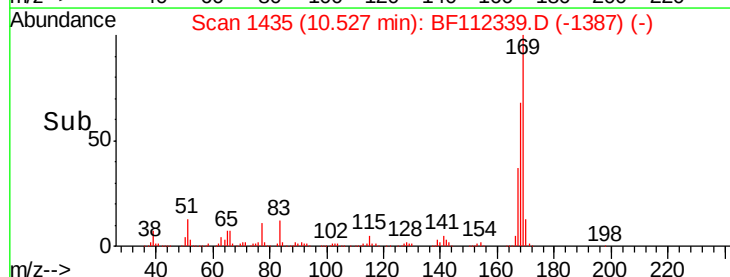
167 37.0 28.9 43.3

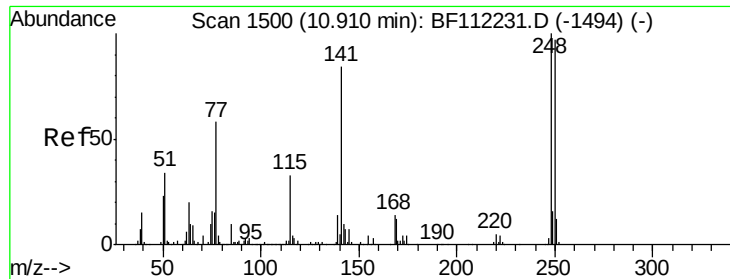


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

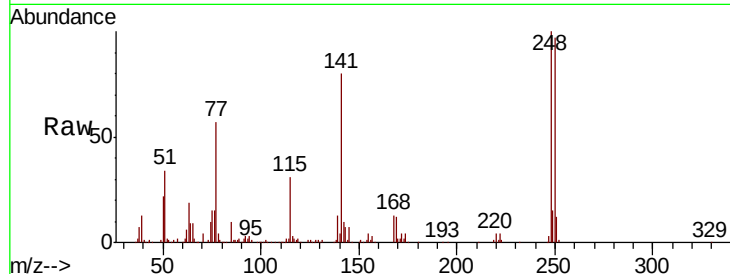




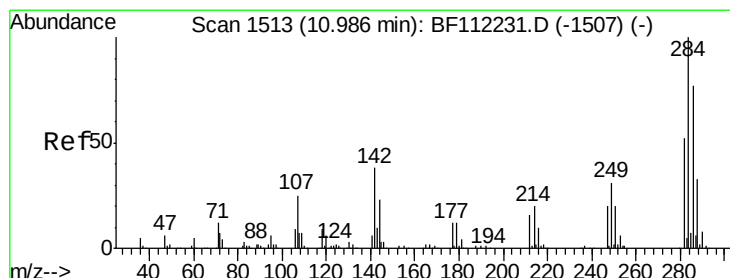
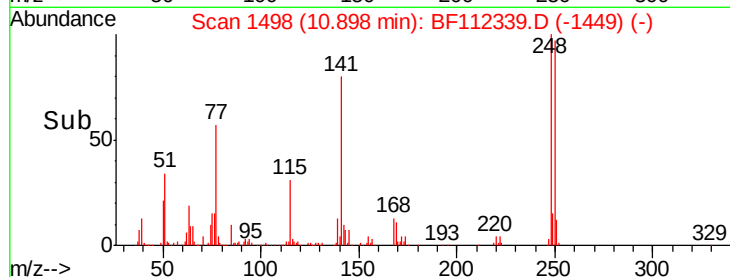
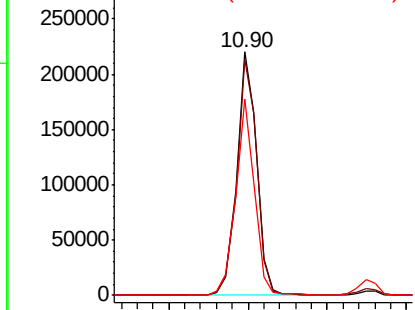
#67
 4-Bromophenyl-phenylether
 Concen: 34.285 ng
 RT: 10.90 min Scan# 1498
 Delta R.T. -0.01 min
 Lab File: BF112339.D
 Acq: 30 Jan 2019 23:30

Instrument :
 BNA_F
 ClientSampleId :
 PB116708BSD

Tot Ion:248	Resp:	191556
Ion	Ratio	Lower Upper
248	100	
250	97.1	79.7 119.5
141	80.4	60.3 90.5

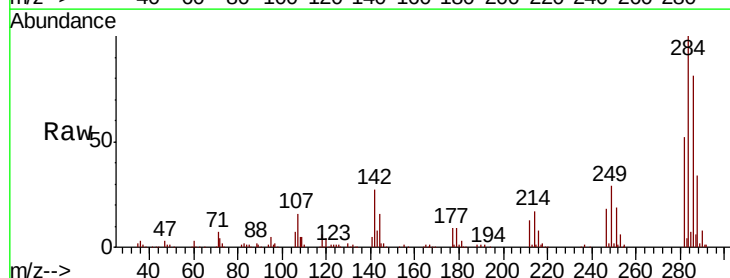


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

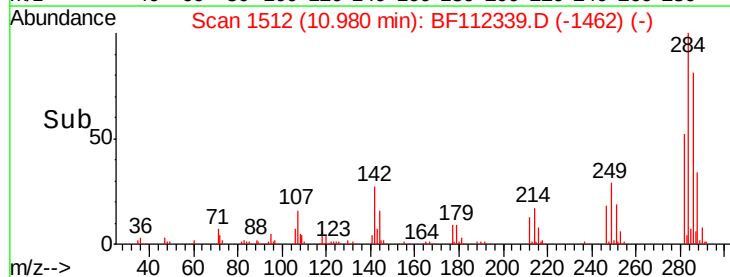
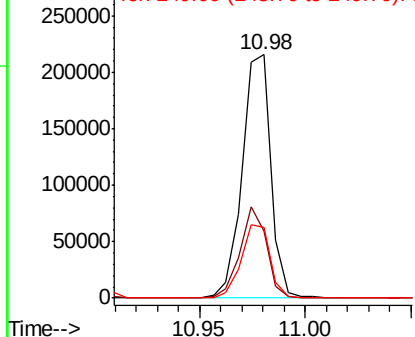


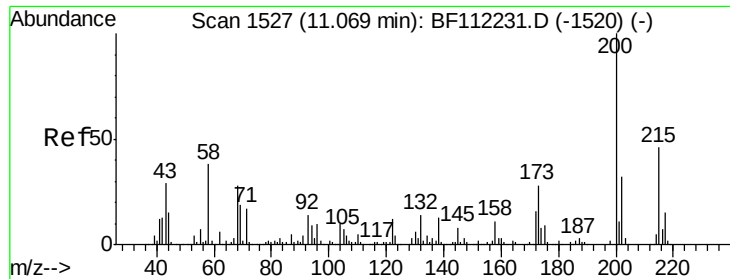
#68
 Hexachlorobenzene
 Concen: 33.913 ng
 RT: 10.98 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: BF112339.D
 Acq: 30 Jan 2019 23:30

Tgt Ion:284	Resp:	203285
Ion	Ratio	Lower Upper
284	100	
142	27.3	27.6 41.4#
249	28.9	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: 35.601 ng

RT: 11.06 min Scan# 1525

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

Instrument :

BNA_F

ClientSampleId :

PB116708BSD

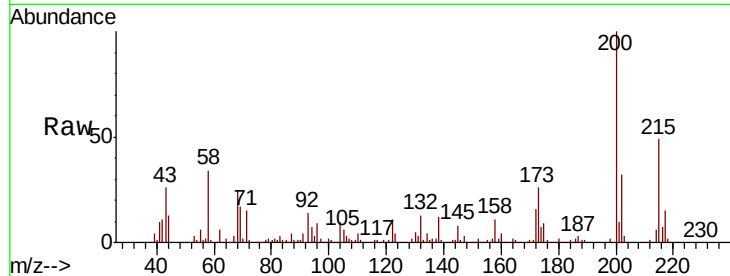
Tot Ion:200 Resp: 183911

Ion Ratio Lower Upper

200 100

173 25.9 7.1 47.1

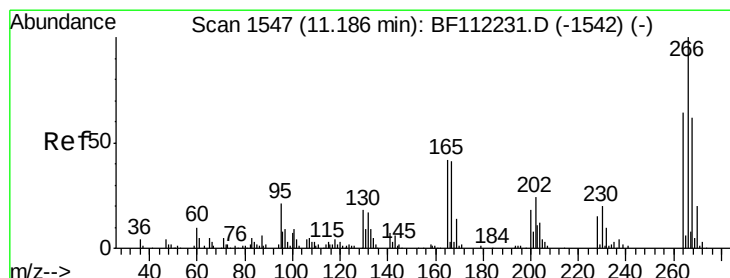
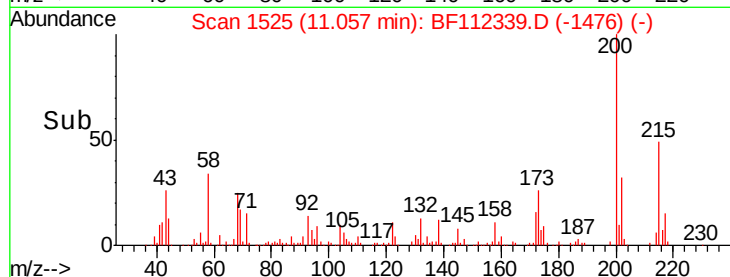
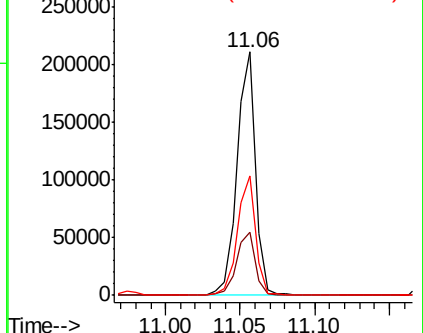
215 49.0 30.4 70.4



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: 46.079 ng

RT: 11.17 min Scan# 1545

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

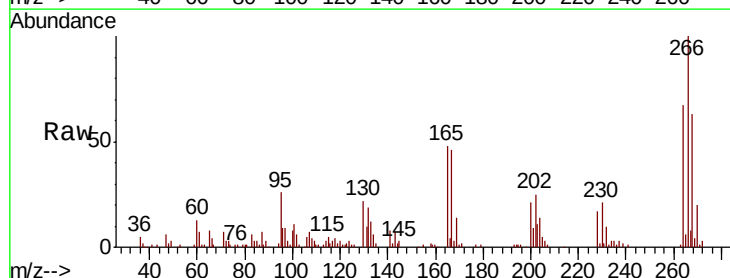
Tgt Ion:266 Resp: 107475

Ion Ratio Lower Upper

266 100

268 63.1 51.2 76.8

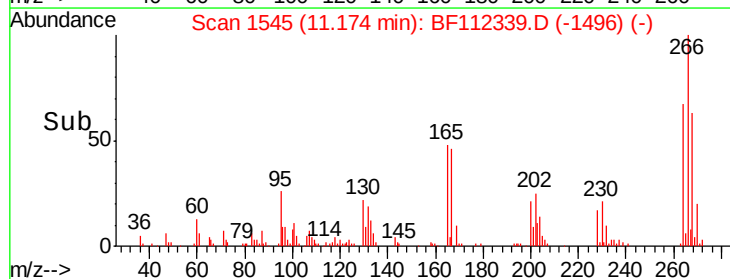
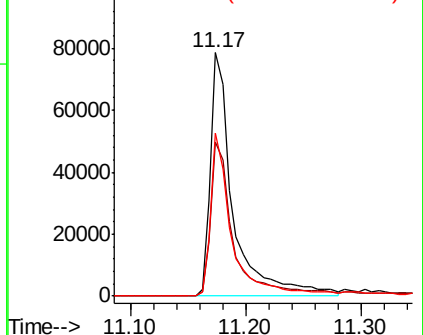
264 67.2 50.9 76.3

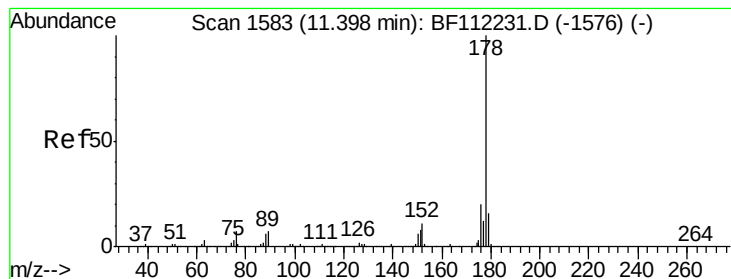


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 35.795 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

Instrument :

BNA_F

ClientSampleId :

PB116708BSD

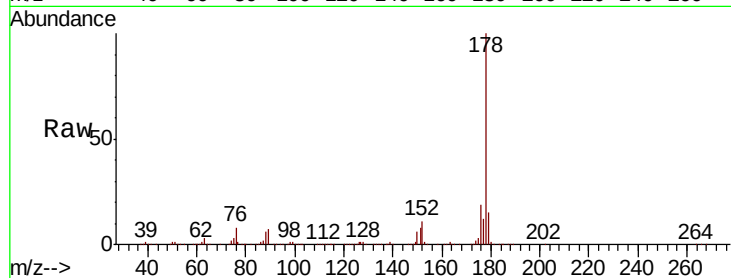
Tot Ion:178 Resp: 884017

Ion Ratio Lower Upper

178 100

176 19.2 16.3 24.5

179 15.4 13.0 19.4

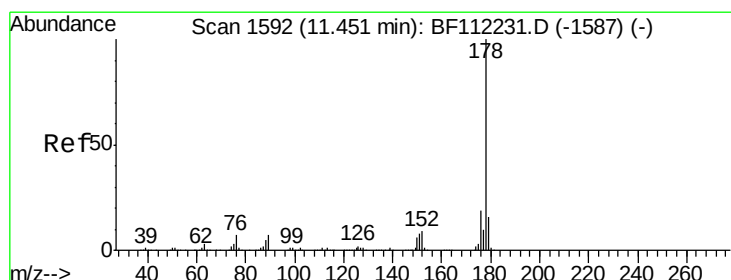
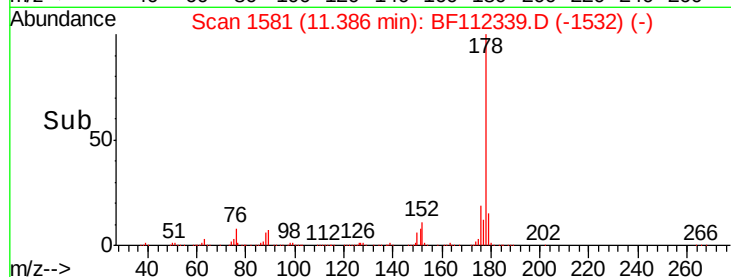
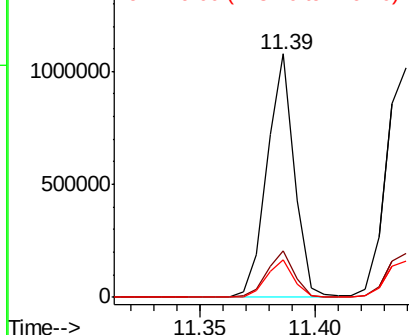


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 37.457 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

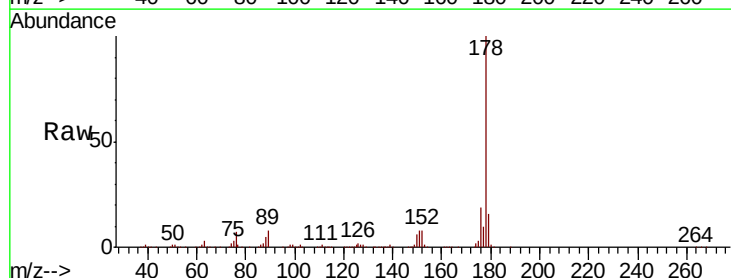
Tgt Ion:178 Resp: 921472

Ion Ratio Lower Upper

178 100

176 18.8 15.5 23.3

179 15.6 12.8 19.2

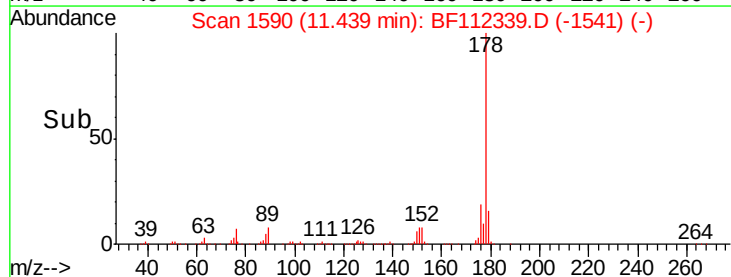
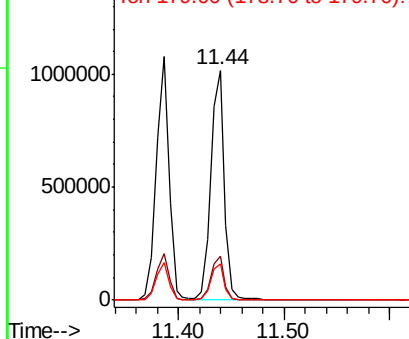


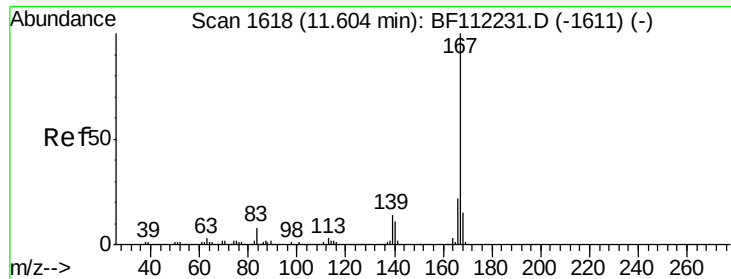
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

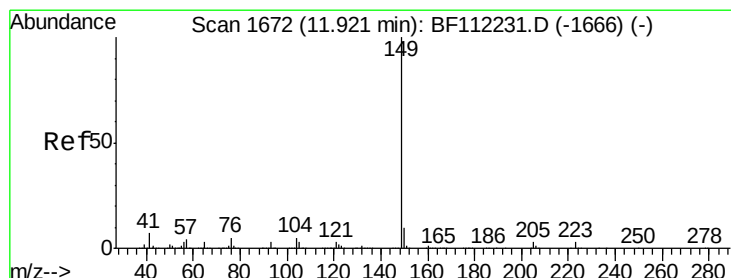
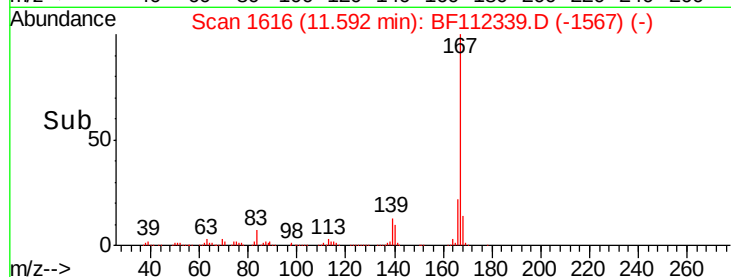
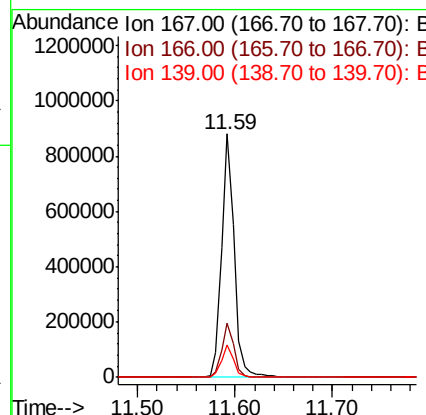
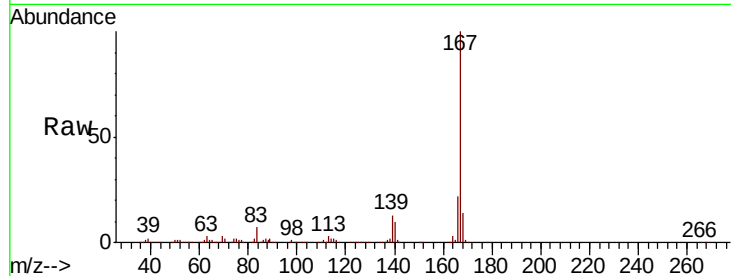




#73
 Carbazole
 Concen: 32.590 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF112339.D
 Acq: 30 Jan 2019 23:30

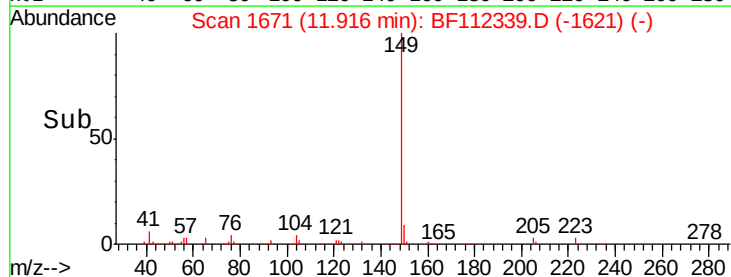
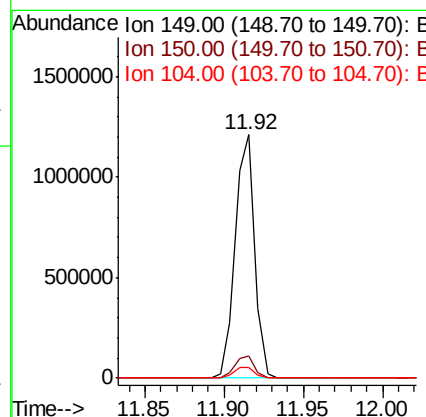
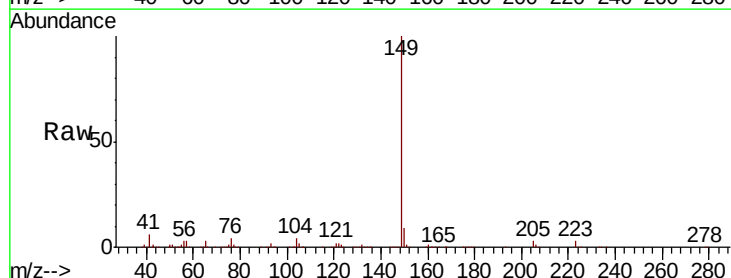
Instrument :
 BNA_F
 ClientSampleId :
 PB116708BSD

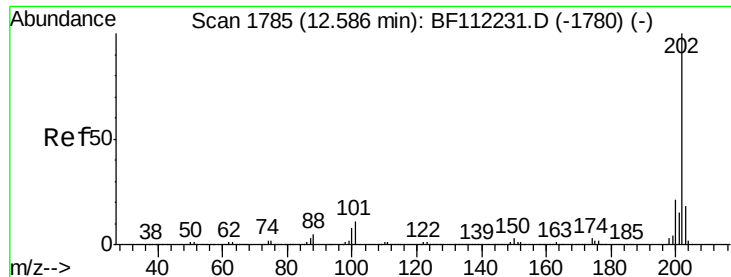
Tot Ion:167 Resp: 790842
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.9 26.9
 139 13.1 10.2 15.2



#74
 Di-n-butylphthalate
 Concen: 34.395 ng
 RT: 11.92 min Scan# 1671
 Delta R.T. -0.01 min
 Lab File: BF112339.D
 Acq: 30 Jan 2019 23:30

Tgt Ion:149 Resp: 1036008
 Ion Ratio Lower Upper
 149 100
 150 9.2 8.1 12.1
 104 4.4 3.9 5.9





#75

Fluoranthene

Concen: 31.843 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

Instrument :

BNA_F

ClientSampleId :

PB116708BSD

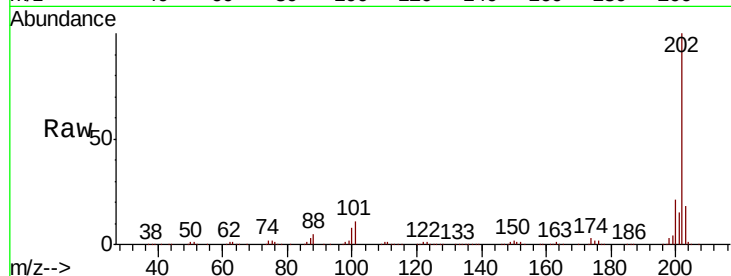
Tot Ion:202 Resp: 843467

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.8

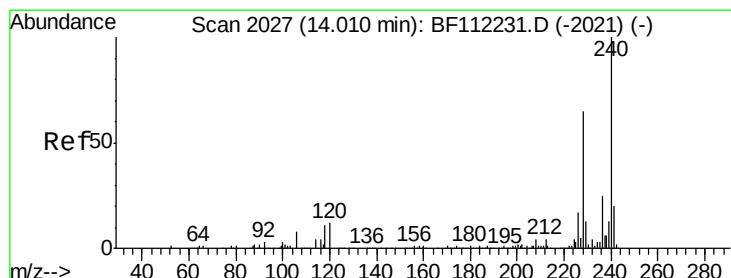
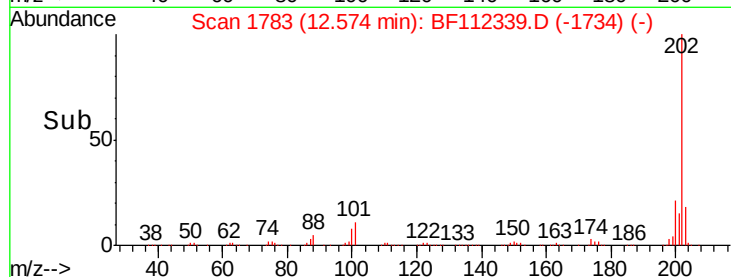
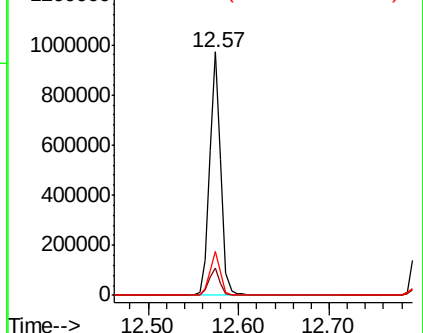
203 18.1 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

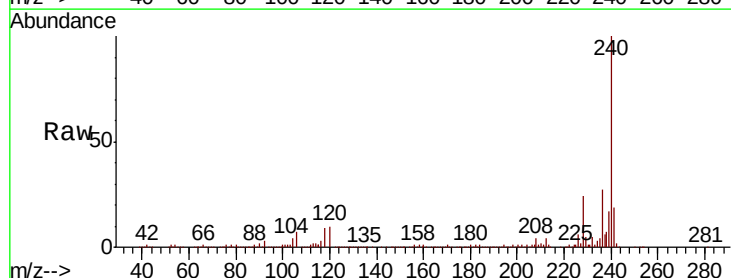
Tgt Ion:240 Resp: 332441

Ion Ratio Lower Upper

240 100

120 10.3 9.0 13.6

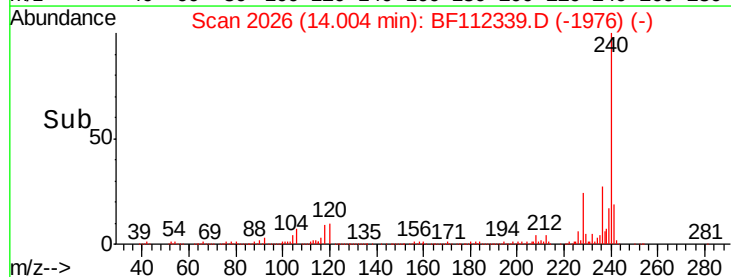
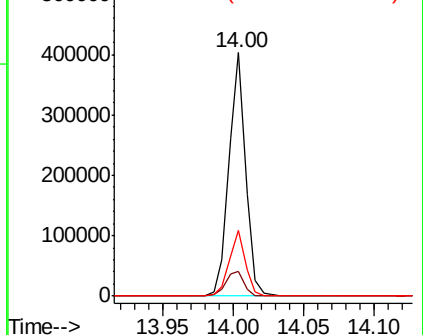
236 26.8 20.7 31.1

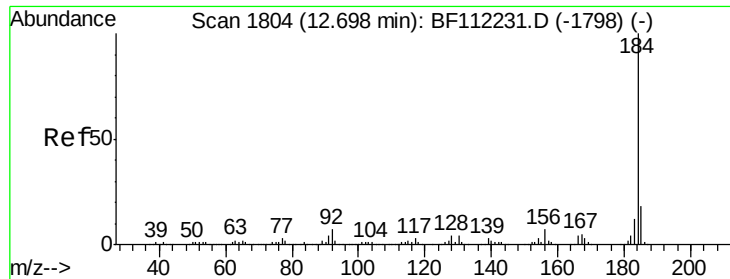


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

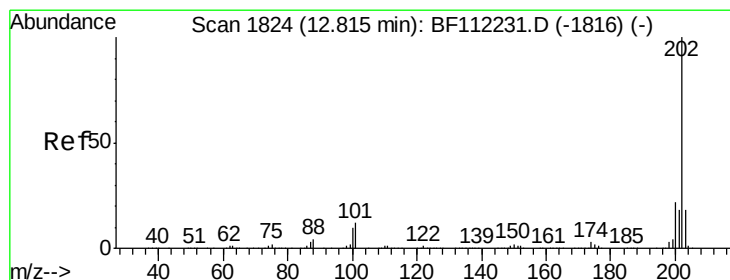
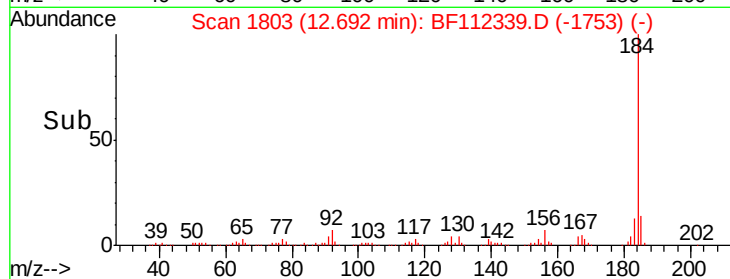
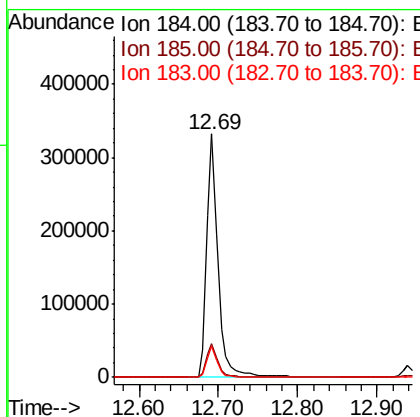
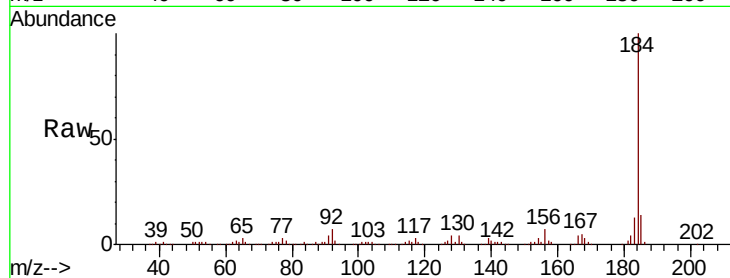




#77
Benzidine
Concen: 36.836 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

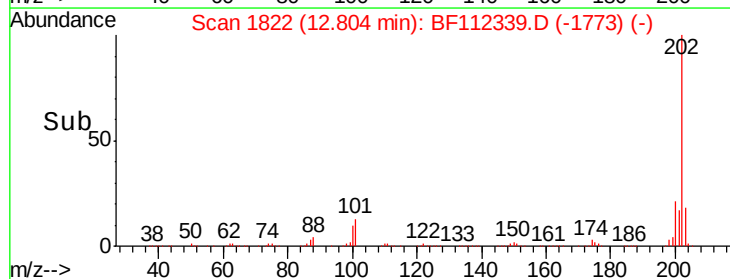
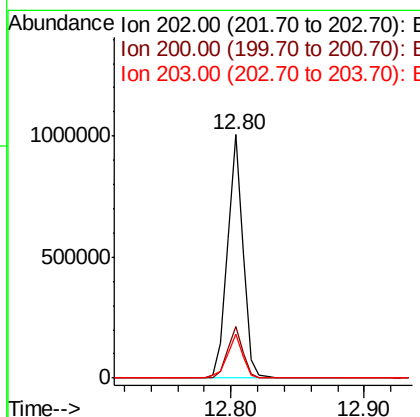
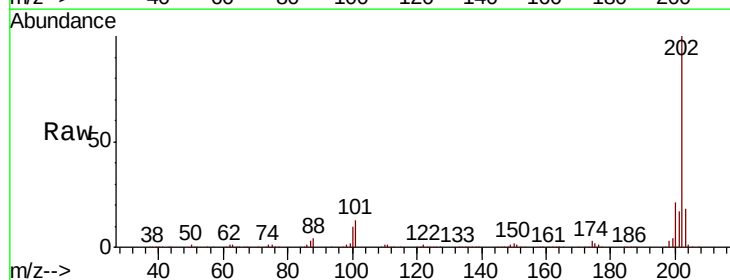
Instrument :
BNA_F
ClientSampleId :
PB116708BSD

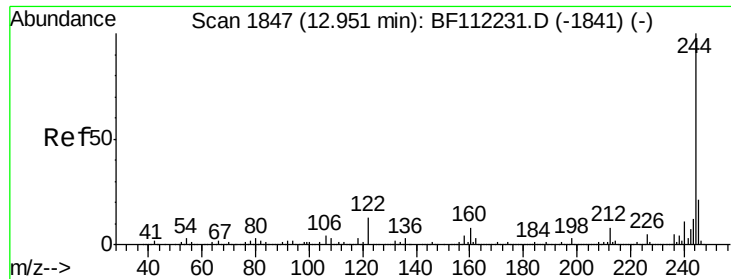
Tot Ion:184 Resp: 337050
Ion Ratio Lower Upper
184 100
185 14.1 13.9 20.9
183 12.8 10.0 15.0



#78
Pyrene
Concen: 36.278 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Tgt Ion:202 Resp: 834984
Ion Ratio Lower Upper
202 100
200 21.1 17.7 26.5
203 17.8 14.6 22.0



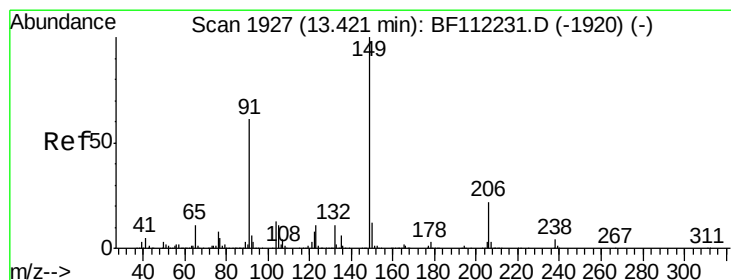
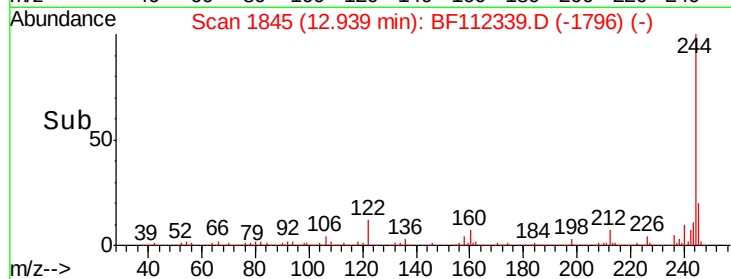
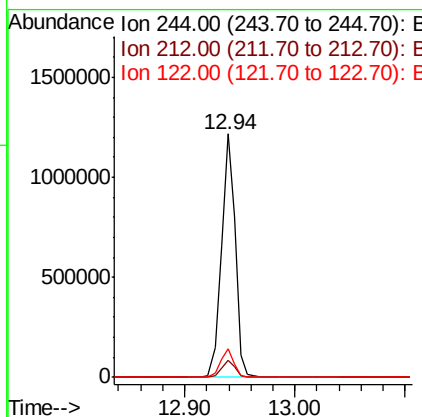
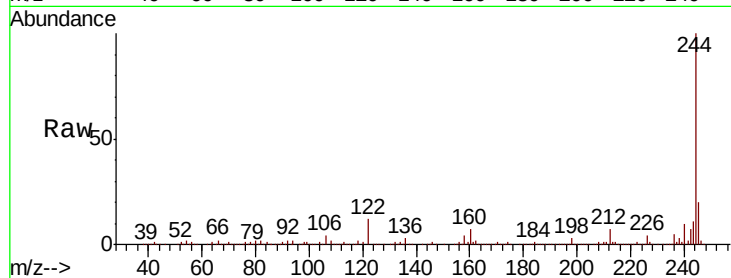


#79
 Terphenyl-d14
 Concen: 59.802 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112339.D
 Acq: 30 Jan 2019 23:30

Instrument :
 BNA_F
 ClientSampleId :
 PB116708BSD

Tot Ion:244 Resp: 1055539

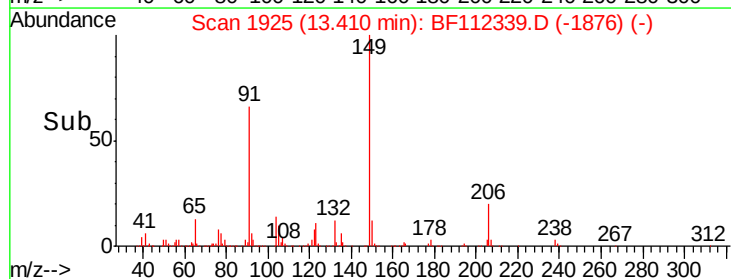
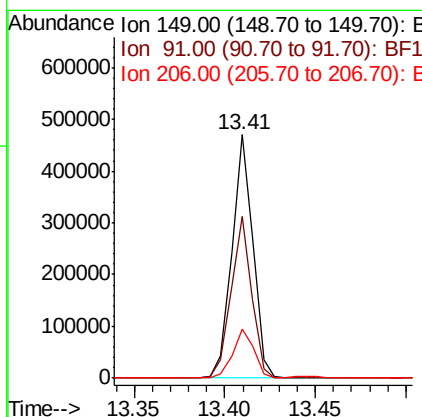
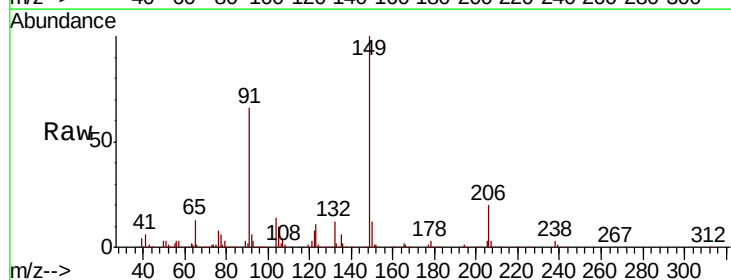
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	11.5	9.8	14.6

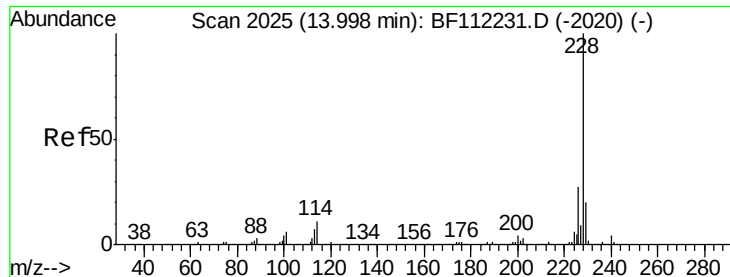


#80
 Butylbenzylphthalate
 Concen: 34.050 ng
 RT: 13.41 min Scan# 1925
 Delta R.T. -0.01 min
 Lab File: BF112339.D
 Acq: 30 Jan 2019 23:30

Tgt Ion:149 Resp: 379176

Ion	Ratio	Lower	Upper
149	100		
91	66.4	50.3	75.5
206	20.2	18.2	27.4





#81

Benzo(a)anthracene

Concen: 36.747 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

Instrument :

BNA_F

ClientSampleId :

PB116708BSD

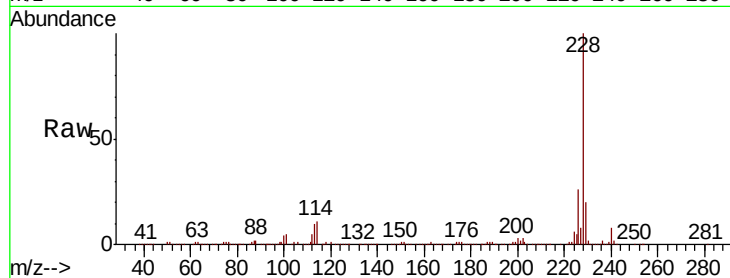
Tot Ion:228 Resp: 718127

Ion Ratio Lower Upper

228 100

226 26.3 22.6 34.0

229 19.9 16.5 24.7

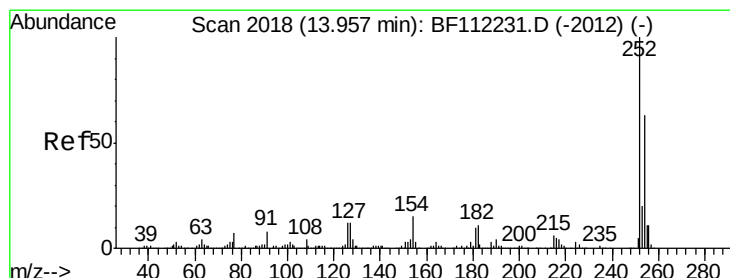
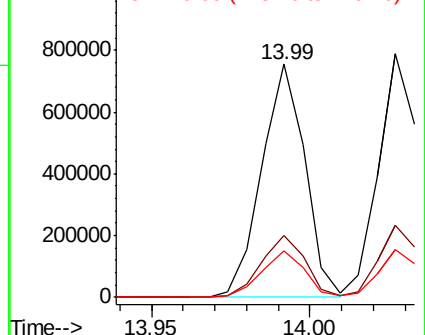
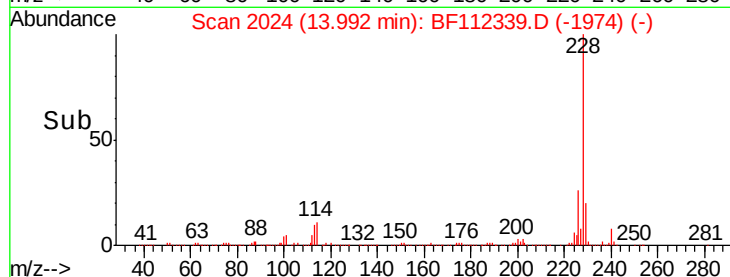


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 22.584 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

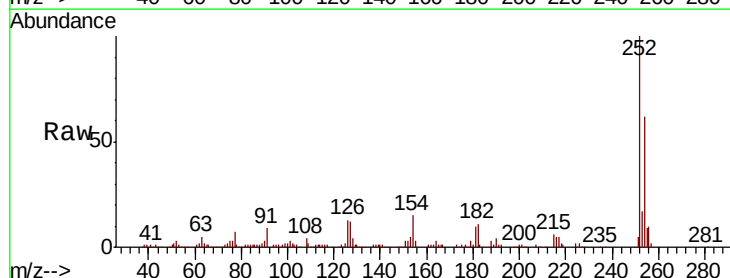
Tgt Ion:252 Resp: 165176

Ion Ratio Lower Upper

252 100

254 62.4 51.6 77.4

126 12.7 8.6 12.8

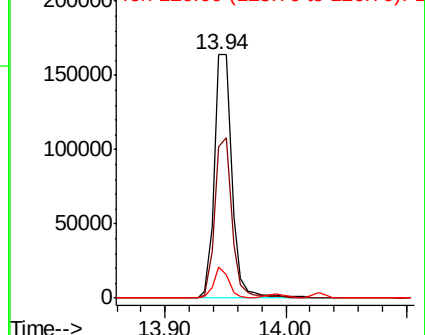
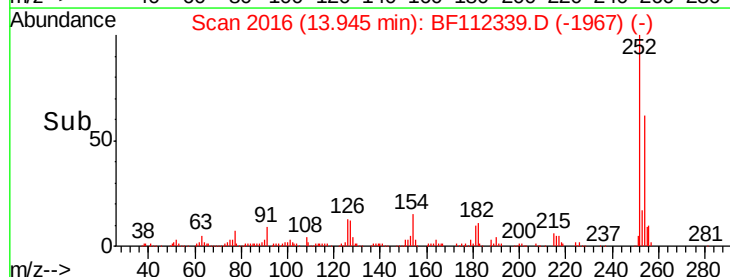


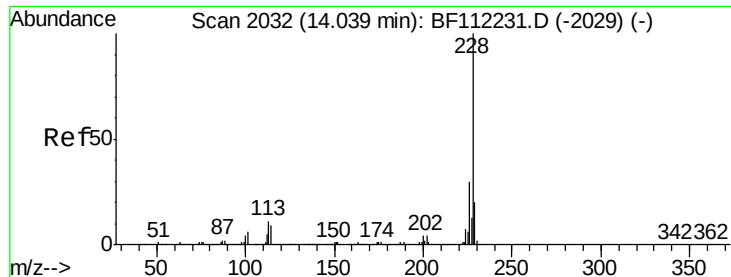
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 36.702 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

Instrument :

BNA_F

ClientSampleId :

PB116708BSD

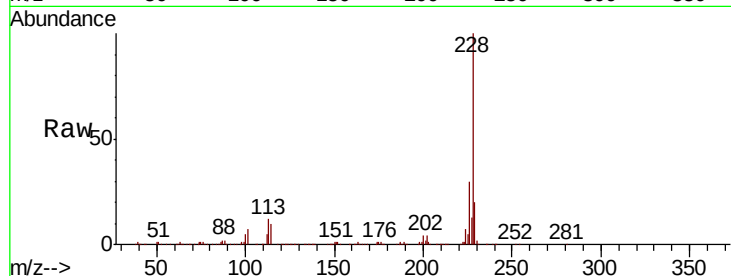
Tot Ion:228 Resp: 684656

Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

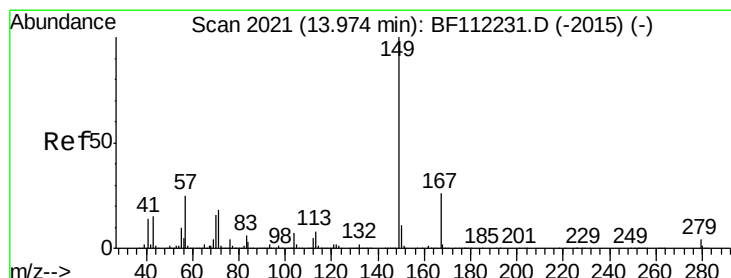
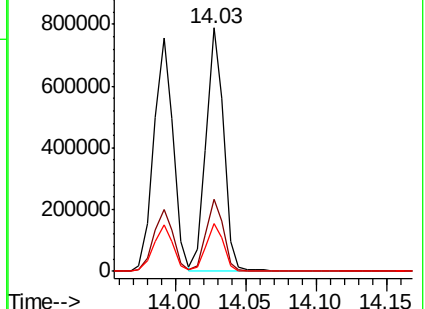
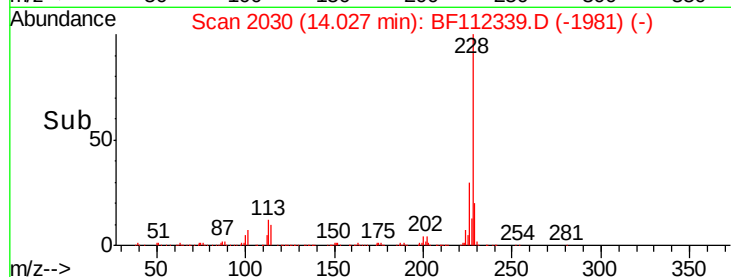
229 19.8 16.6 24.8



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: 33.159 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

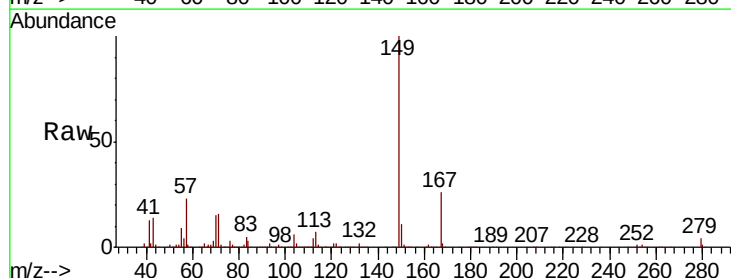
Tgt Ion:149 Resp: 524149

Ion Ratio Lower Upper

149 100

167 26.1 22.5 33.7

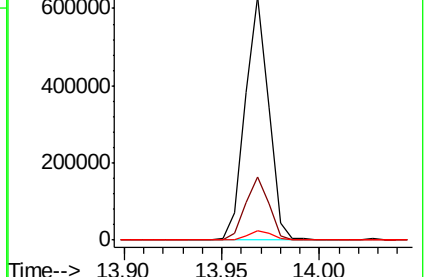
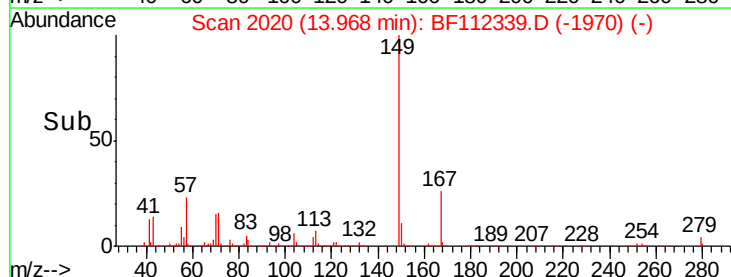
279 4.0 3.8 5.6

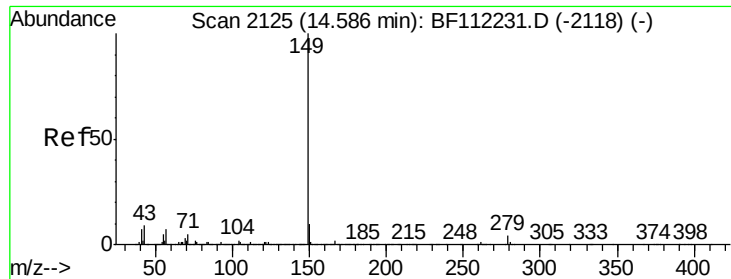


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

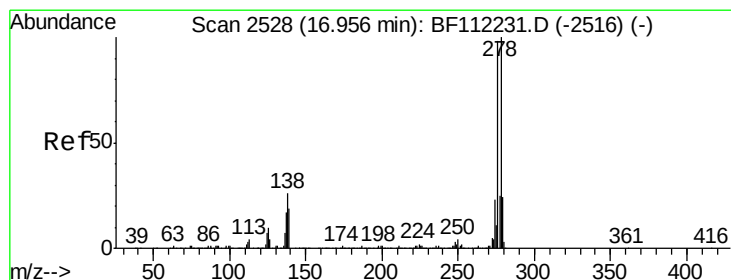
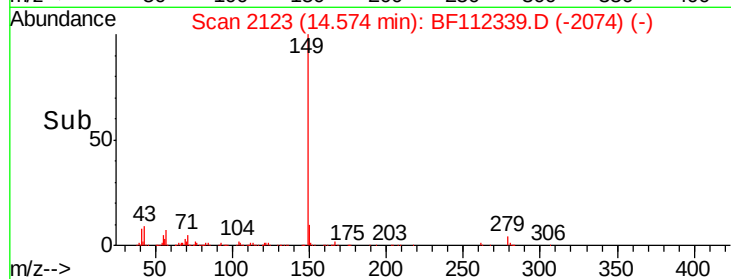
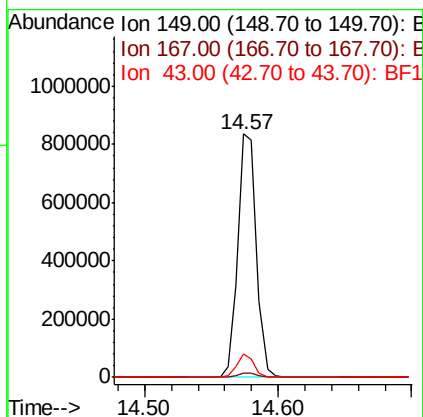
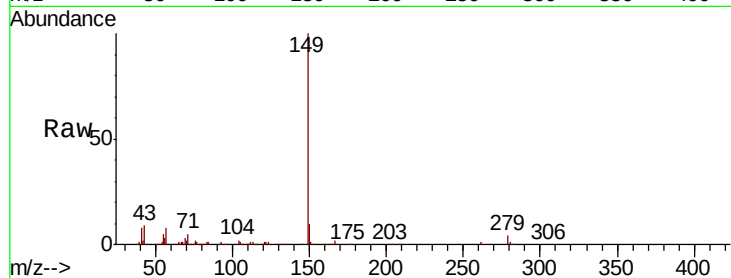




#85
Di-n-octyl phthalate
Concen: 33.465 ng
RT: 14.57 min Scan# 2123
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

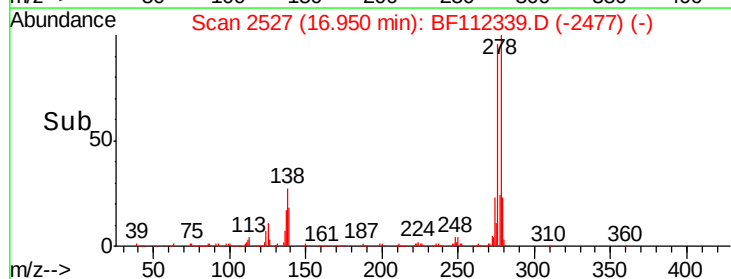
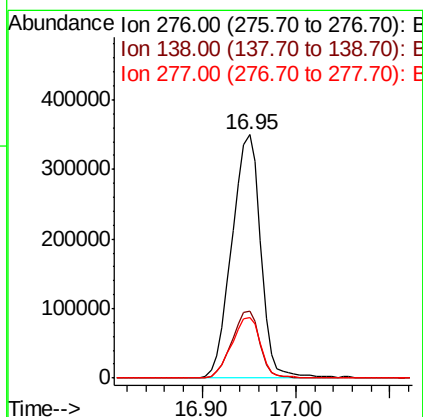
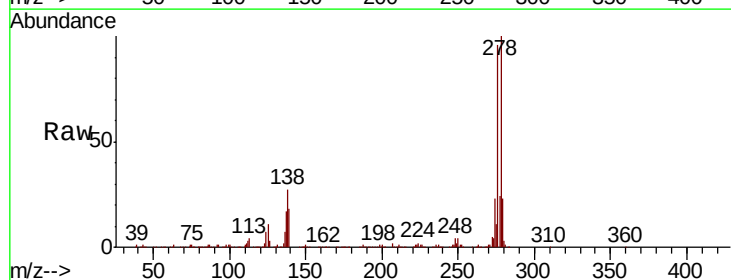
Instrument :
BNA_F
ClientSampleId :
PB116708BSD

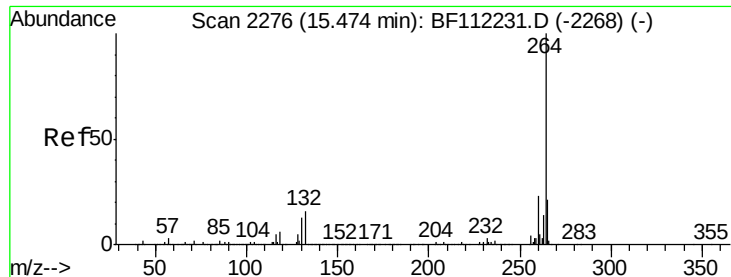
Tot Ion:149 Resp: 813867
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 8.5 7.8 11.6



#86
Indeno(1,2,3-cd)pyrene
Concen: 50.648 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Tgt Ion:276 Resp: 748647
Ion Ratio Lower Upper
276 100
138 26.8 22.6 34.0
277 25.3 20.3 30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

Instrument :

BNA_F

ClientSampleId :

PB116708BSD

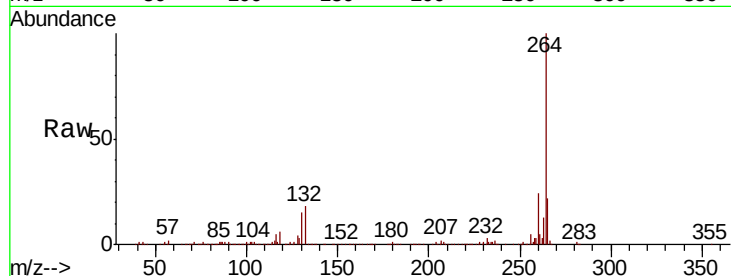
Tot Ion:264 Resp: 354647

Ion Ratio Lower Upper

264 100

260 24.0 18.2 27.2

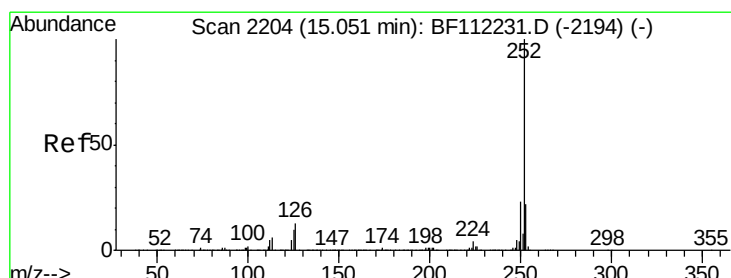
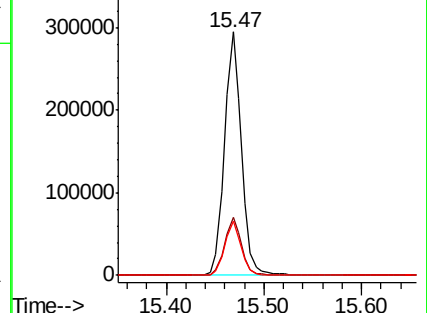
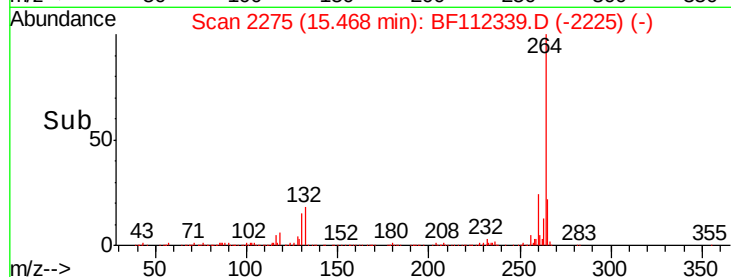
265 22.0 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 35.114 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BF112339.D

Acq: 30 Jan 2019 23:30

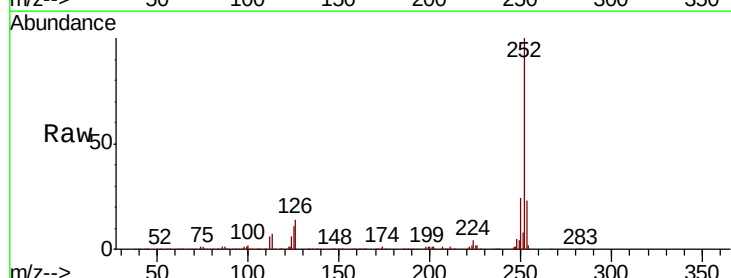
Tgt Ion:252 Resp: 744747

Ion Ratio Lower Upper

252 100

253 22.7 18.0 27.0

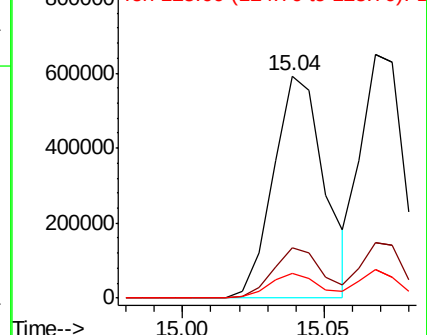
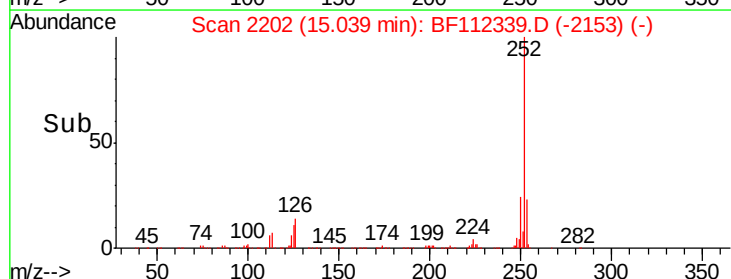
125 11.2 8.7 13.1

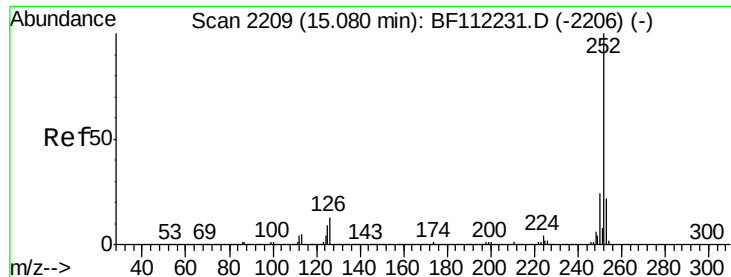


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

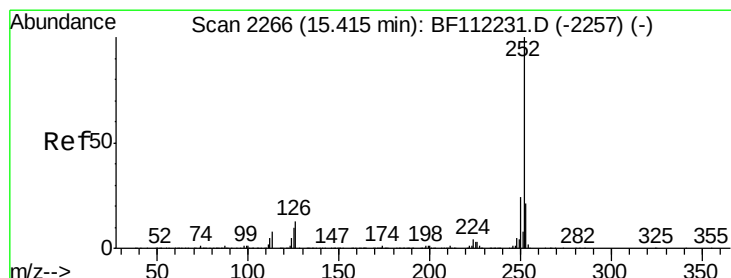
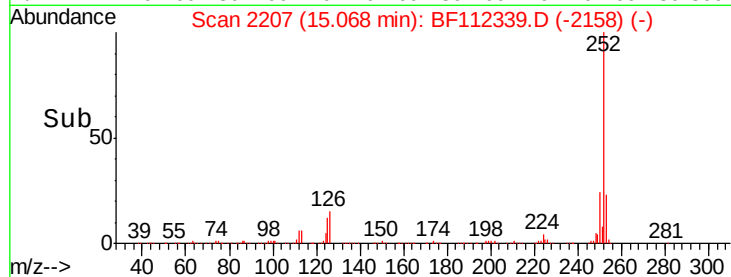
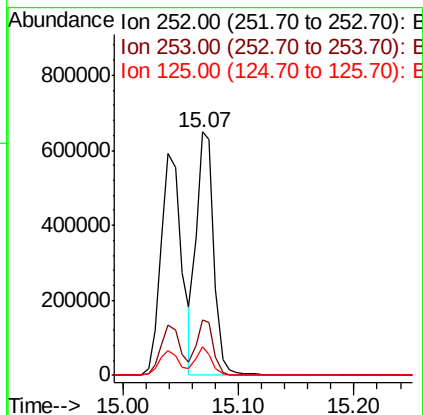
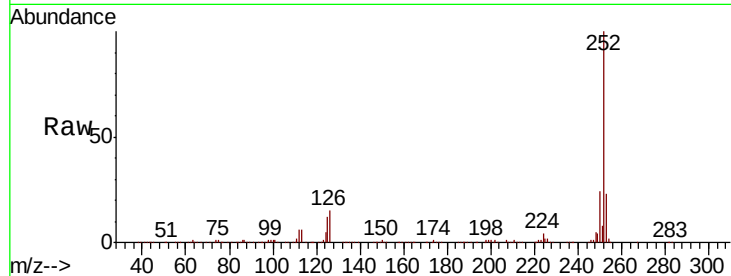




#89
Benzo(k)fluoranthene
Concen: 34.003 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

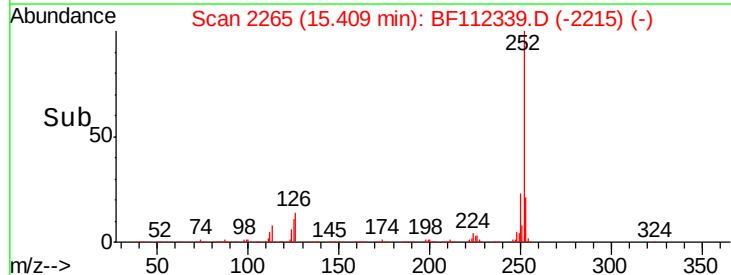
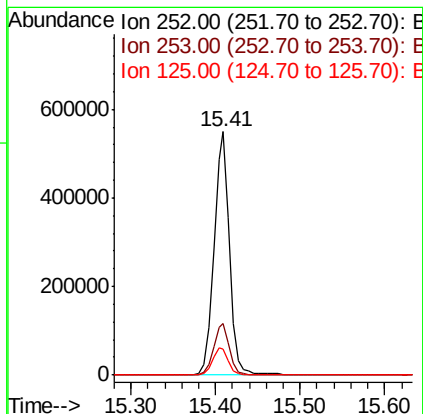
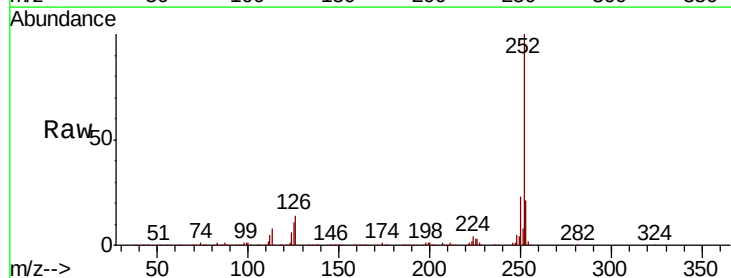
Instrument :
BNA_F
ClientSampleId :
PB116708BSD

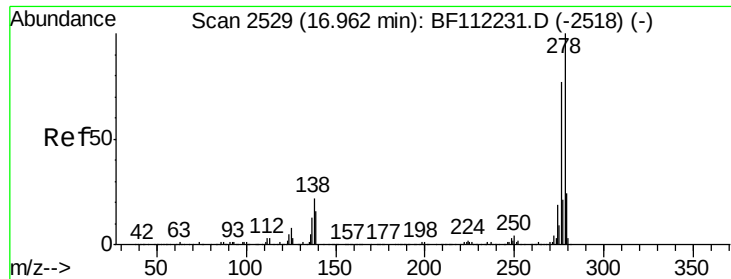
Tot Ion:252 Resp: 690786
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 11.6 9.1 13.7



#90
Benzo(a)pyrene
Concen: 37.464 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Tgt Ion:252 Resp: 714972
Ion Ratio Lower Upper
252 100
253 21.0 17.5 26.3
125 10.9 9.0 13.4

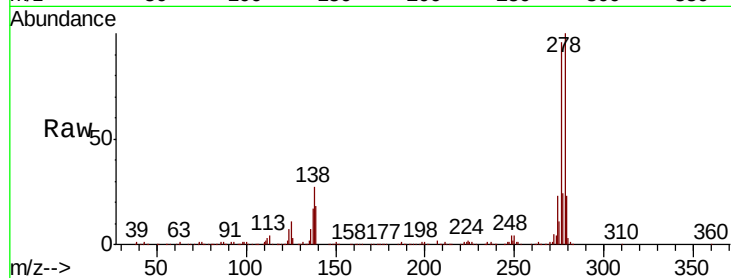




#91
Dibenzo(a,h)anthracene
Concen: 41.633 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Instrument :
BNA_F
ClientSampleId :
PB116708BSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.7	20.5
279	23.3	19.0	28.6

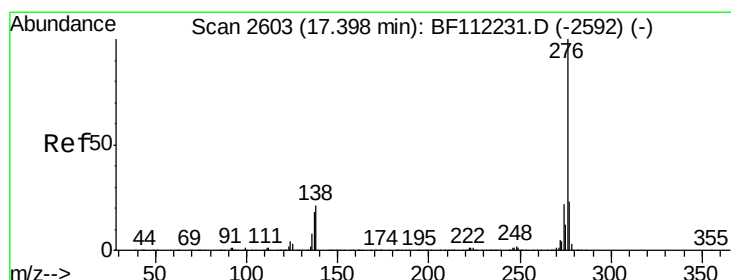
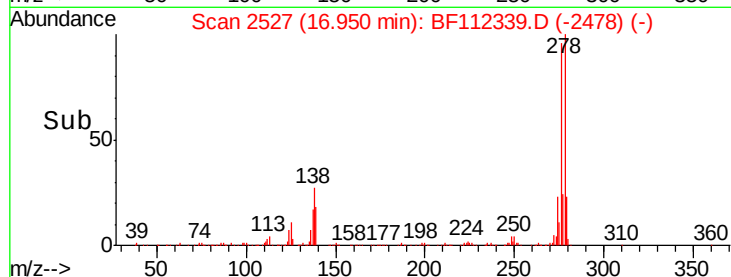
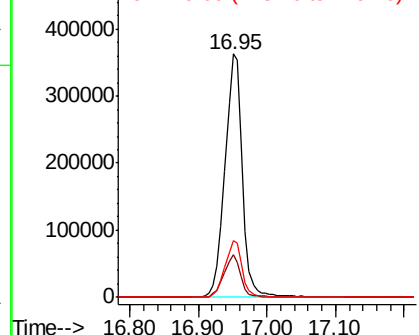


Abundance

Ion 278.00 (277.70 to 278.70): E

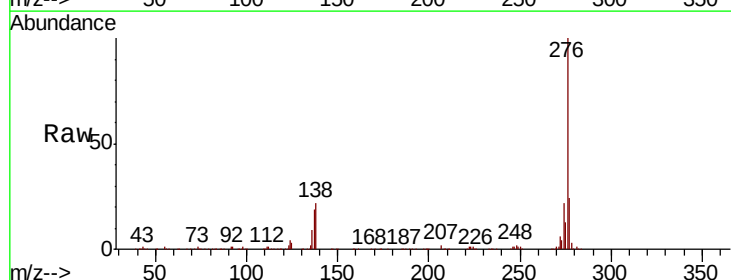
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 41.048 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.01 min
Lab File: BF112339.D
Acq: 30 Jan 2019 23:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.4	29.0
138	21.5	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

