

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021419\
 Data File : BF112562.D
 Acq On : 14 Feb 2019 12:40
 Operator : JU/SJ
 Sample : PB117100BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB117100BL

Quant Time: Feb 15 04:20:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	124918	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	500577	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	257135	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	505745	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	407617	20.00	ng	0.00
87) Perylene-d12	15.48	264	341650	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	906837	154.20	ng	0.00
7) Phenol-d6	6.49	99	1147167	140.38	ng	0.00
23) Nitrobenzene-d5	7.40	82	730684	84.11	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	396278	132.40	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1523403	83.79	ng	-0.02
79) Terphenyl-d14	12.94	244	1715786	79.28	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.70	88	5076	2.167	ng	# 86
8) 2-Chlorophenol	6.62	128	17869	2.259	ng	89
10) Phenol	6.49	94	19481	2.173	ng	# 77
11) bis(2-Chloroethyl)ether	6.56	93	14320	2.029	ng	97
17) 2-Methylphenol	7.10	107	14286	2.278	ng	# 78
18) Hexachloroethane	7.33	117	6825	2.050	ng	96
20) 3+4-Methylphenols	7.28	107	18597	2.319	ng	# 64
24) Nitrobenzene	7.41	77	19998	2.305	ng	93
25) Isophorone	7.65	82	28959	2.125	ng	99
27) 2,4-Dimethylphenol	7.79	122	14293	2.237	ng	# 82
29) 2,4-Dichlorophenol	8.02	162	14490	2.027	ng	94
31) Naphthalene	8.13	128	48539	2.074	ng	99
36) 4-Chloro-3-methylphenol	8.70	107	16009	2.115	ng	96
37) 2-Methylnaphthalene	8.83	142	34474	2.151	ng	96
38) 1-Methylnaphthalene	8.83	142	34474	2.244	ng	95
46) 1,1'-Biphenyl	9.29	154	47190	2.099	ng	96
49) Acenaphthylene	9.73	152	53023	2.075	ng	98
50) Dimethylphthalate	9.58	163	41227	2.064	ng	99
52) Acenaphthene	9.90	154	32312	2.117	ng	95
55) Dibenzofuran	10.07	168	48150	2.064	ng	93
56) 4-Nitrophenol	10.07	139	24584	9.593	ng	# 20
58) Fluorene	10.42	166	38877	2.227	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.21	232	8753	2.130	ng	# 91
60) Diethylphthalate	10.28	149	44243	2.232	ng	97
61) 4-Chlorophenyl-phenylether	10.40	204	19086	2.010	ng	94
63) Azobenzene	10.56	77	35424	2.032	ng	95
69) Atrazine	11.05	200	11605	2.110	ng	95
71) Phenanthrene	11.38	178	56689	2.156	ng	99
72) Anthracene	11.44	178	59233	2.262	ng	99
74) Di-n-butylphthalate	11.91	149	72658	2.266	ng	97
75) Fluoranthene	12.58	202	58763	2.084	ng	96
77) Benzidine	12.94	184	24232	2.160	ng	96
78) Pvrene	12.81	202	60782	2.154	ng	97
80) Butylbenzylphthalate	13.40	149	29099	2.131	ng	97

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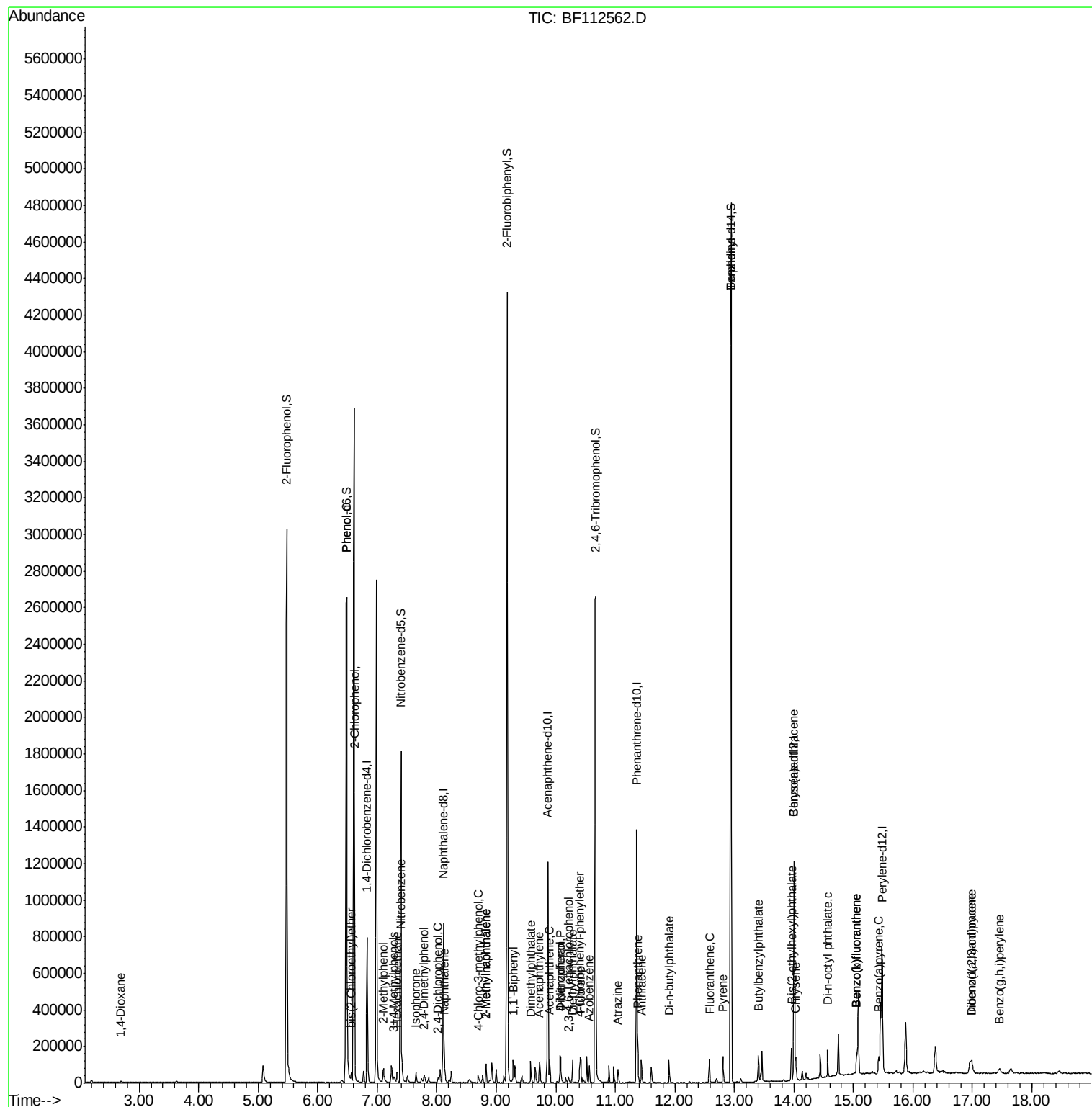
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Benzo(a)anthracene	14.00	228	51743	2.159	ng	97
83) Chrysene	14.03	228	48275	2.111	ng	96
84) Bis(2-ethylhexyl)phthalate	13.96	149	44813	2.312	ng	97
85) Di-n-octyl phthalate	14.57	149	70532	2.365	ng	100
86) Indeno(1,2,3-cd)pyrene	16.99	276	37167	2.051	ng	95
88) Benzo(b)fluoranthene	15.06	252	42833	2.096	ng	95
89) Benzo(k)fluoranthene	15.06	252	42833	2.189	ng	94
90) Benzo(a)pyrene	15.42	252	39162	2.130	ng	97
91) Dibenzo(a,h)anthracene	16.99	278	31007	2.093	ng	98
92) Benzo(a,h,i)perylene	17.45	276	29685	2.124	ng #	91

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

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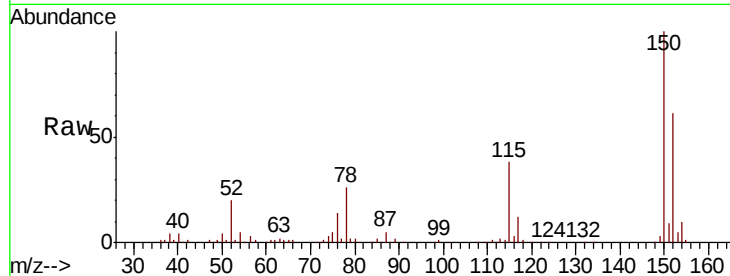


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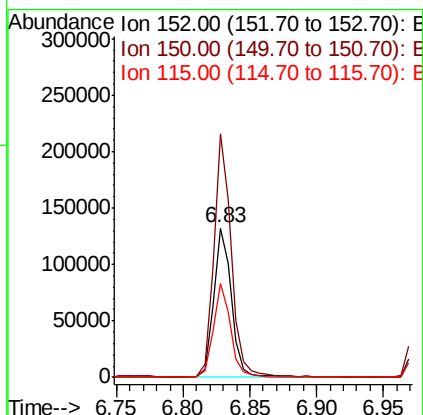
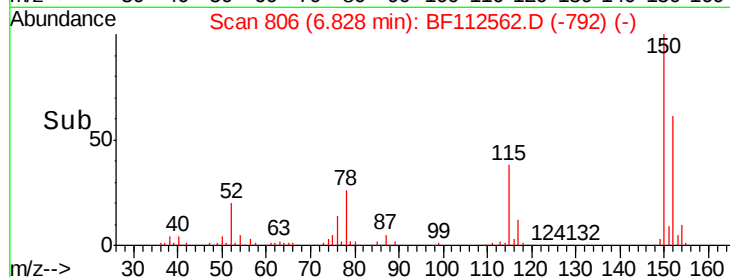
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB117100BL

Tot Ion:152 Resp: 124918
Ion Ratio Lower Upper
152 100
150 163.3 127.4 191.0
115 62.7 45.5 68.3



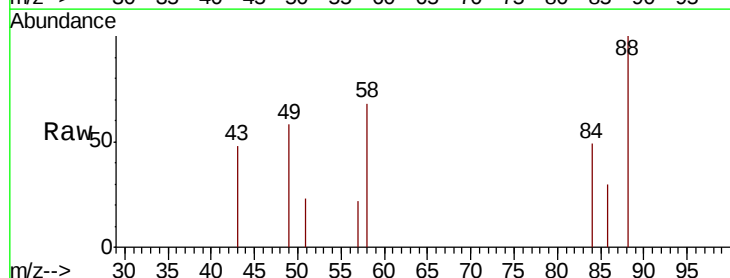
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



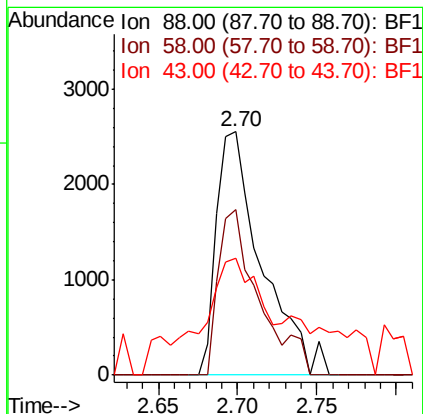
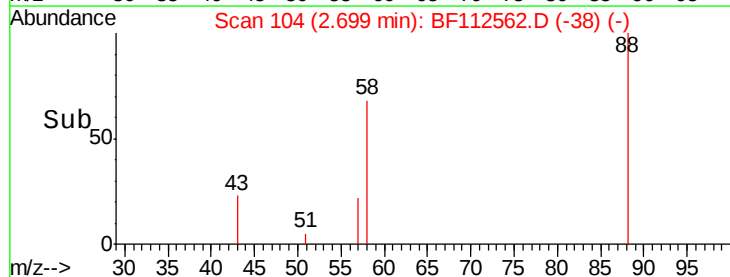
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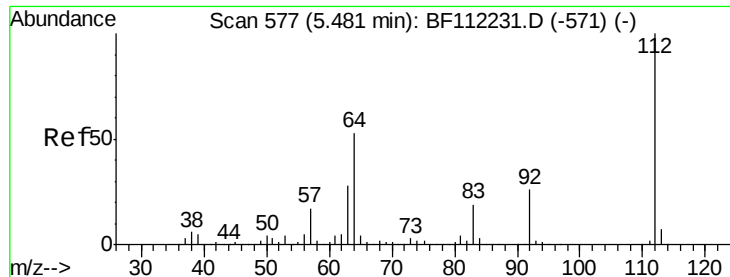
1,4-Dioxane
Concen: 2.167 ng
RT: 2.70 min Scan# 104
Delta R.T. 0.09 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Tgt Ion: 88 Resp: 5076
Ion Ratio Lower Upper
88 100
58 60.5 57.4 86.2
43 36.5 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





#5

2-Fluorophenol

Concen: 154.196 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.00 min

Lab File: BF112562.D

Acq: 14 Feb 2019 12:40

Instrument :

BNA_F

ClientSampleId :

PB117100BL

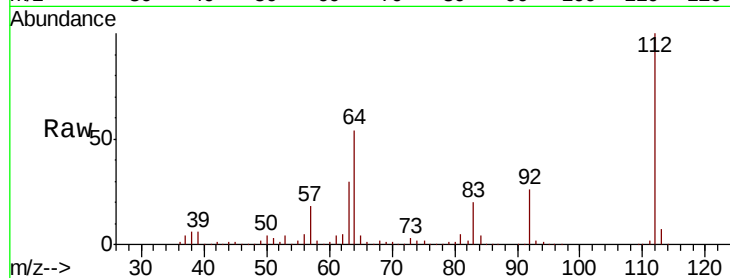
Tot Ion:112 Resp: 906837

Ion Ratio Lower Upper

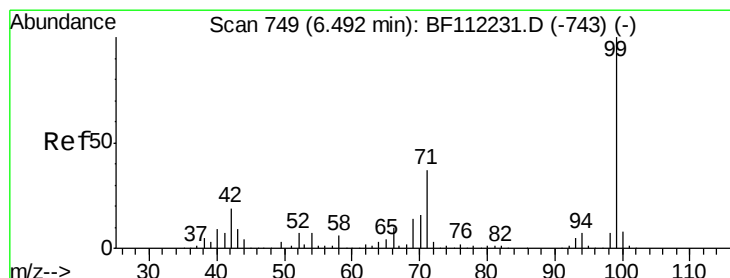
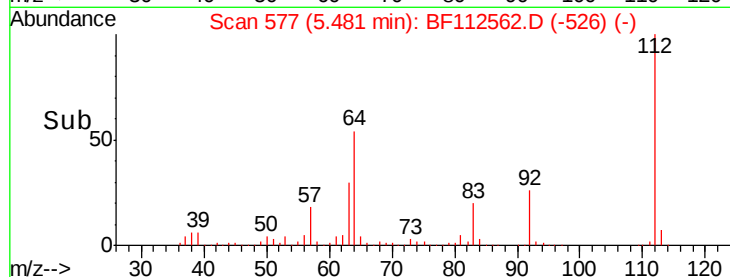
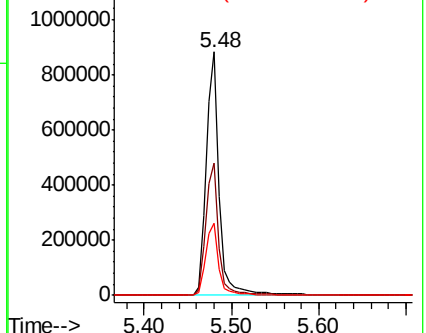
112 100

64 54.4 45.7 68.5

63 29.6 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 140.377 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112562.D

Acq: 14 Feb 2019 12:40

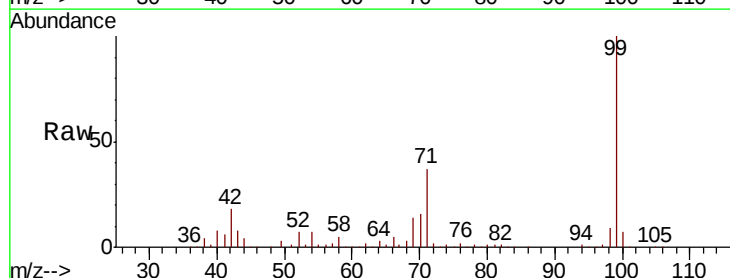
Tgt Ion: 99 Resp: 1147167

Ion Ratio Lower Upper

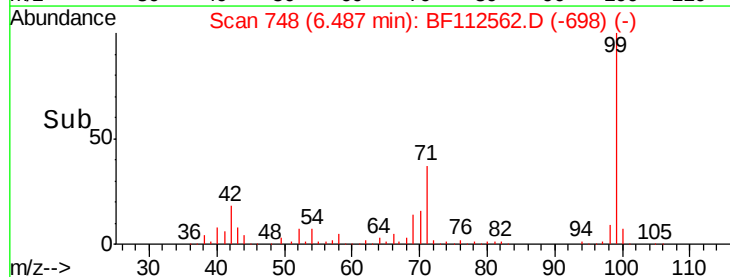
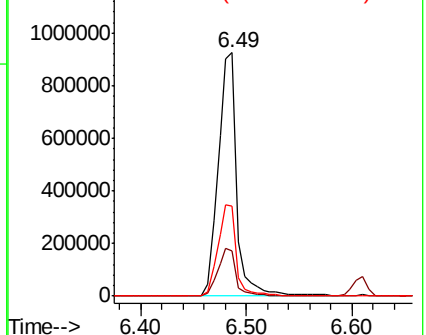
99 100

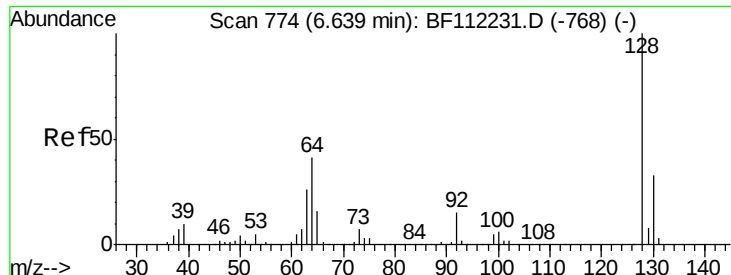
42 18.3 15.1 22.7

71 36.8 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: 2.259 ng

RT: 6.62 min Scan# 771

Delta R.T. -0.02 min

Lab File: BF112562.D

Acq: 14 Feb 2019 12:40

Instrument :

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PB117100BL

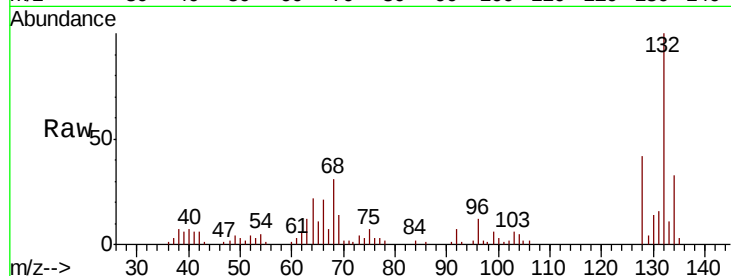
Tot Ion:128 Resp: 17869

Ion Ratio Lower Upper

128 100

130 33.0 13.4 53.4

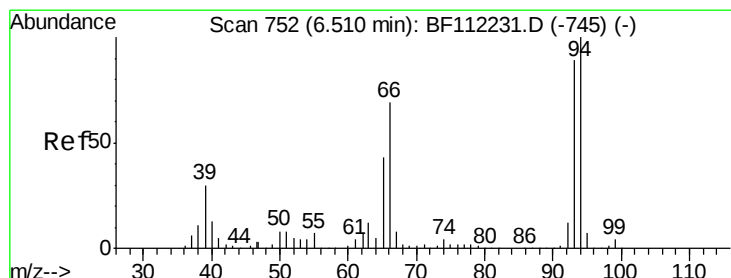
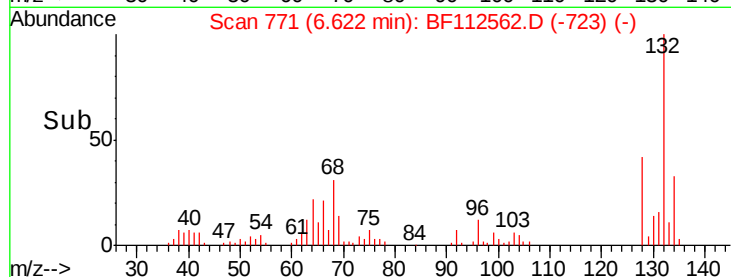
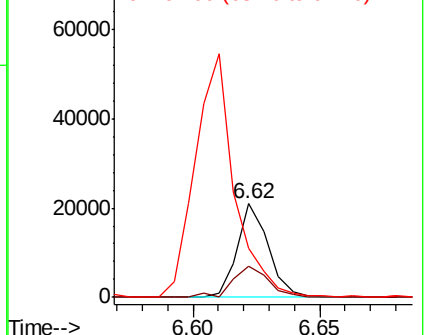
64 52.4 20.5 60.5



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



#10

Phenol

Concen: 2.173 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF112562.D

Acq: 14 Feb 2019 12:40

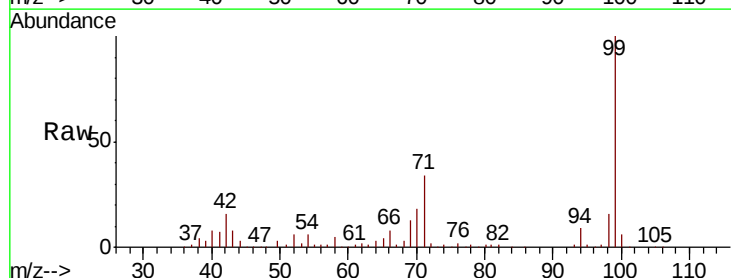
Tgt Ion: 94 Resp: 19481

Ion Ratio Lower Upper

94 100

65 42.5 20.3 60.3

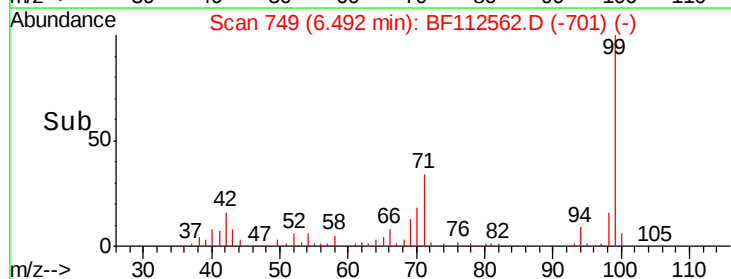
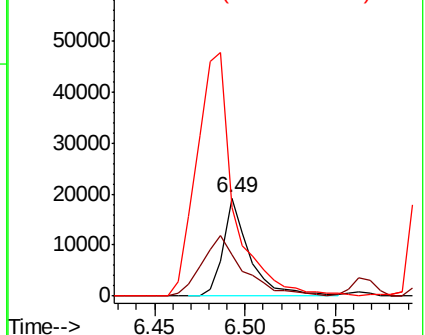
66 90.2 42.4 82.4#

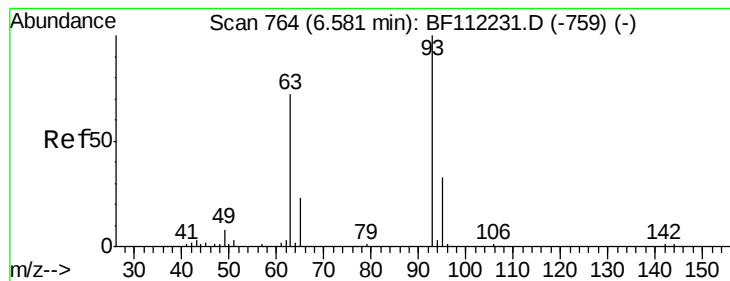


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 2.029 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.02 min

Lab File: BF112562.D

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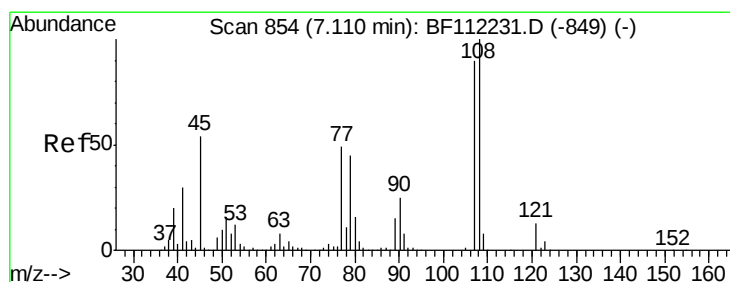
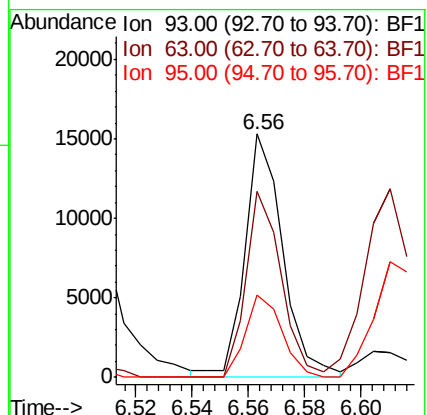
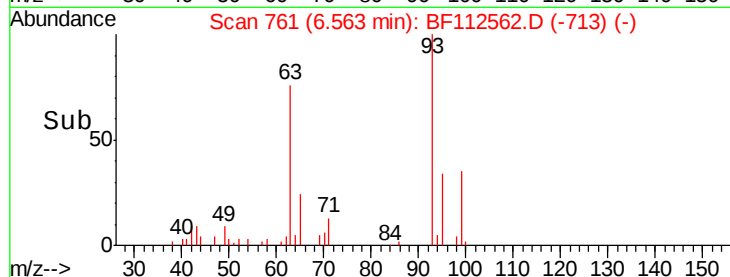
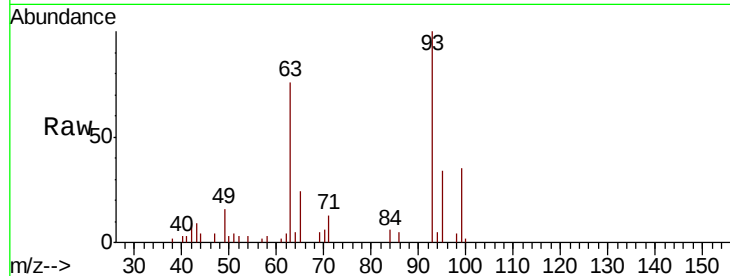
Tot Ion: 93 Resp: 14320

Ion Ratio Lower Upper

93 100

63 76.4 53.3 93.3

95 33.9 13.4 53.4



#17

2-Methylphenol

Concen: 2.278 ng

RT: 7.10 min Scan# 853

Delta R.T. -0.01 min

Lab File: BF112562.D

Acq: 14 Feb 2019 12:40

Tgt Ion: 107 Resp: 14286

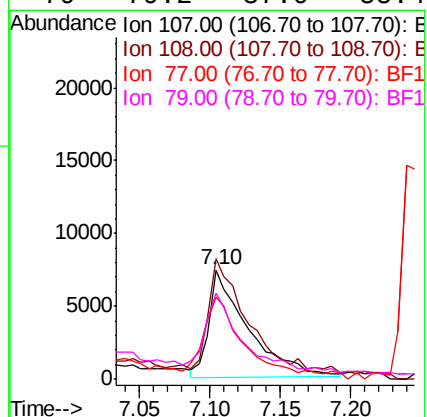
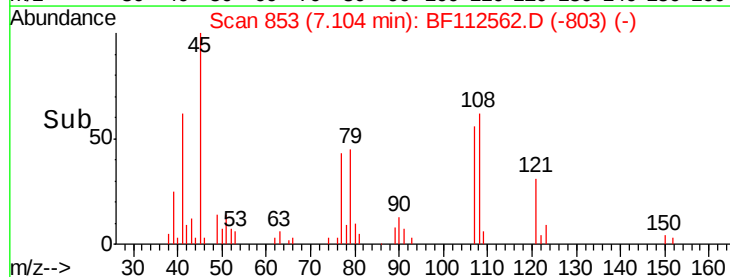
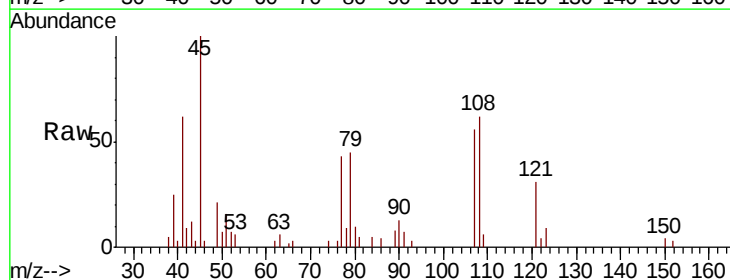
Ion Ratio Lower Upper

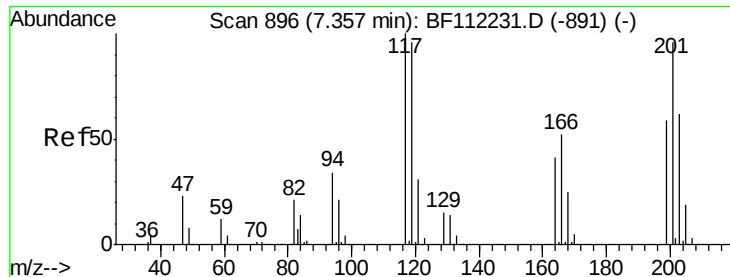
107 100

108 110.5 91.3 136.9

77 75.9 39.0 58.6#

79 79.2 37.0 55.4#

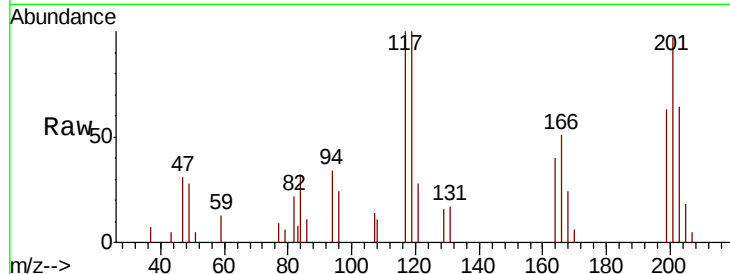




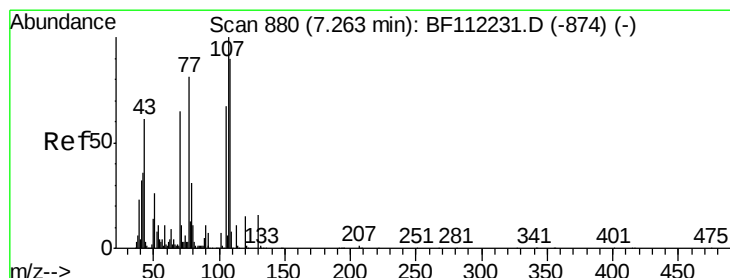
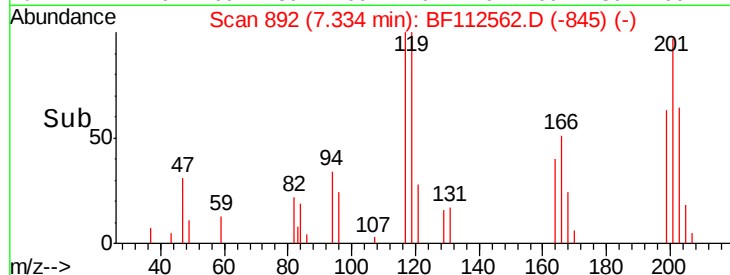
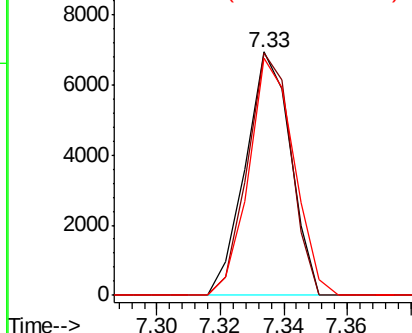
#18
Hexachloroethane
Concen: 2.050 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Instrument :
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ClientSampleId :
PB117100BL

Tot Ion:117 Resp: 6825
Ion Ratio Lower Upper
117 100
119 99.7 77.0 115.4
201 97.2 74.1 111.1

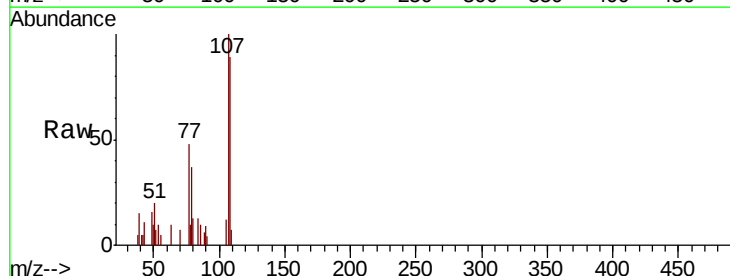


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

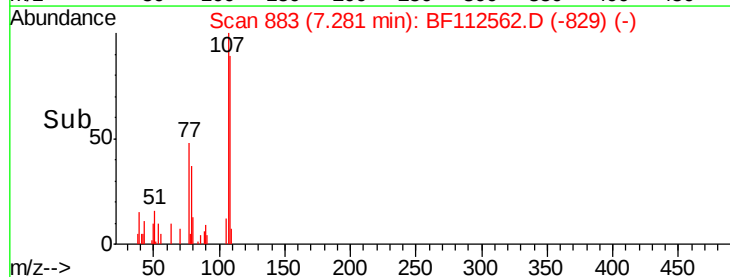
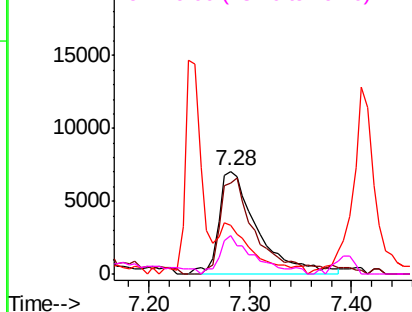


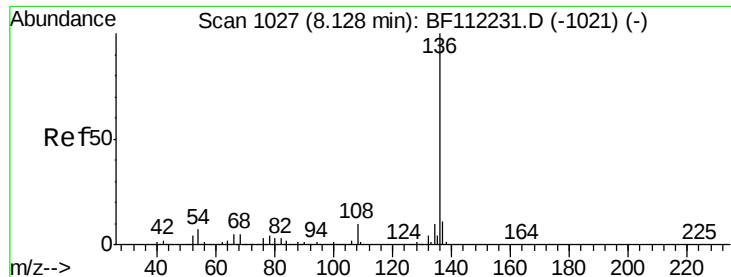
#20
3+4-Methylphenols
Concen: 2.319 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.02 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Tgt Ion:107 Resp: 18597
Ion Ratio Lower Upper
107 100
108 89.0 68.2 108.2
77 48.0 100.7 140.7#
79 36.9 7.3 47.3



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF112562.D

Acq: 14 Feb 2019 12:40

Instrument :

BNA_F

ClientSampleId :

PB117100BL

Tot Ion:136 Resp: 500577

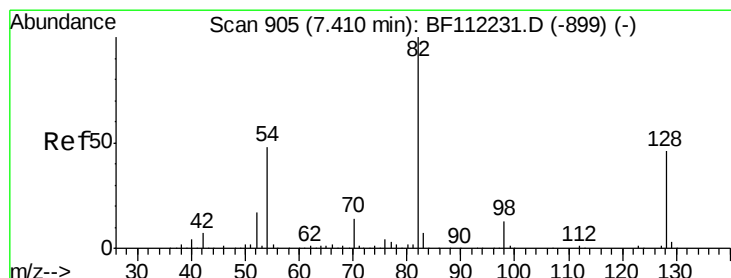
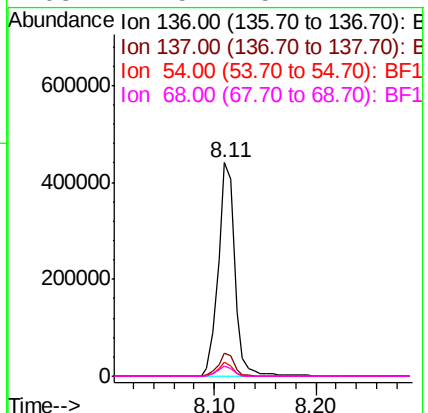
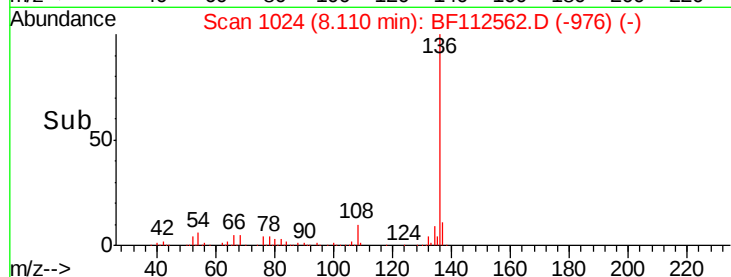
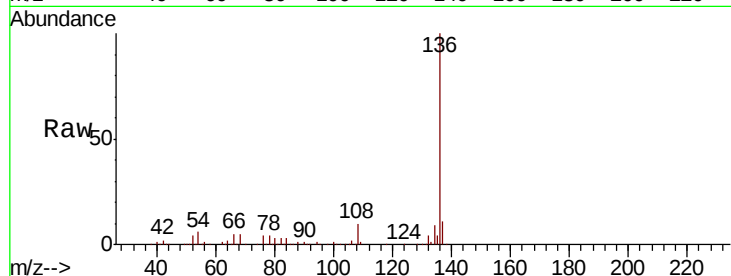
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 6.4 5.9 8.9

68 4.5 5.1 7.7#



#23

Nitrobenzene-d5

Concen: 84.107 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112562.D

Acq: 14 Feb 2019 12:40

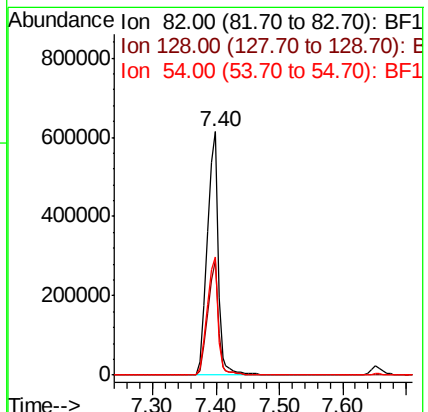
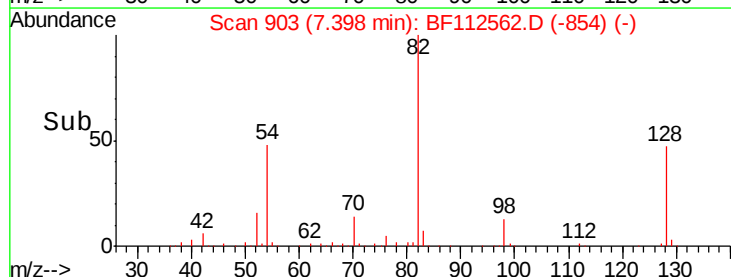
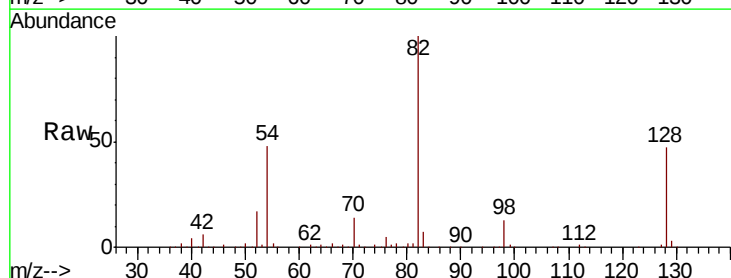
Tgt Ion: 82 Resp: 730684

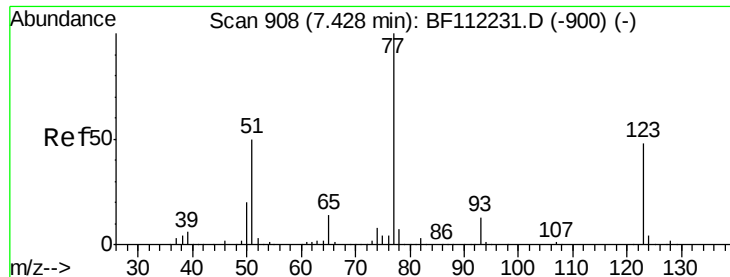
Ion Ratio Lower Upper

82 100

128 47.0 37.8 56.8

54 48.4 39.7 59.5





#24

Nitrobenzene

Concen: 2.305 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF112562.D

Acq: 14 Feb 2019 12:40

Instrument :

BNA_F

ClientSampleId :

PB117100BL

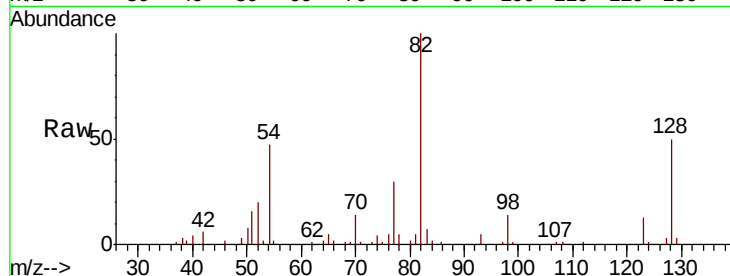
Tot Ion: 77 Resp: 19998

Ion Ratio Lower Upper

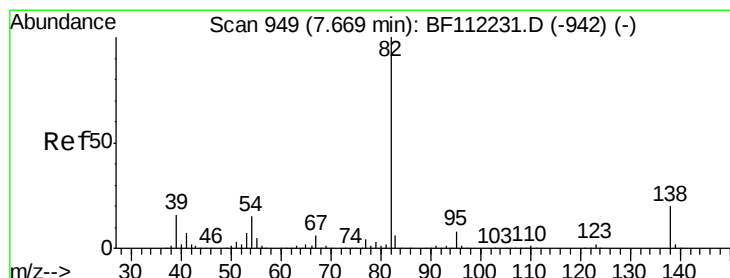
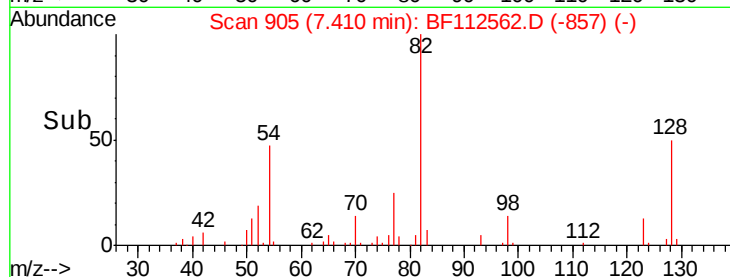
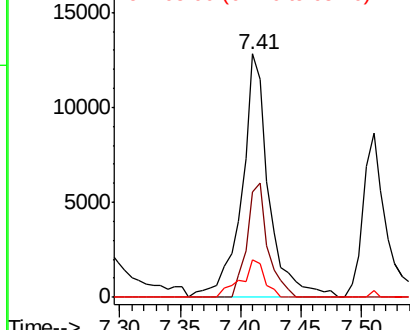
77 100

123 43.3 38.4 57.6

65 15.5 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: 2.125 ng

RT: 7.65 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF112562.D

Acq: 14 Feb 2019 12:40

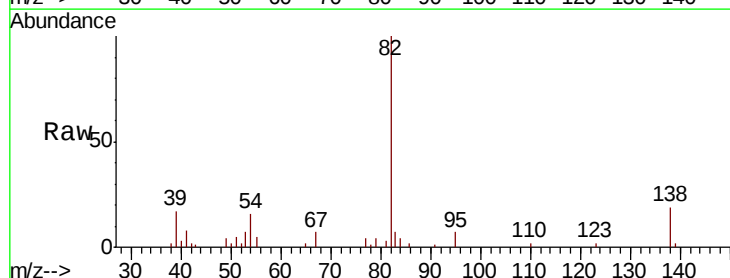
Tgt Ion: 82 Resp: 28959

Ion Ratio Lower Upper

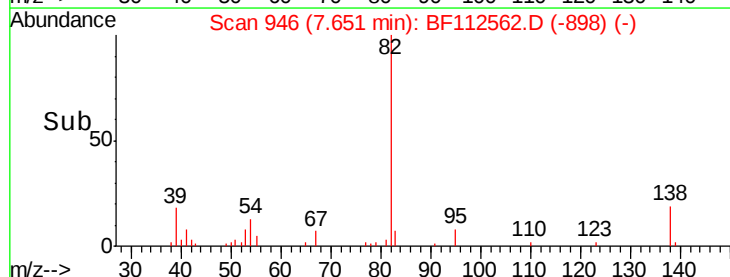
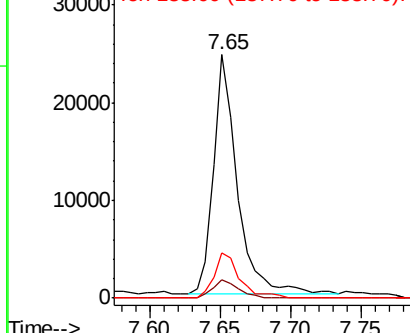
82 100

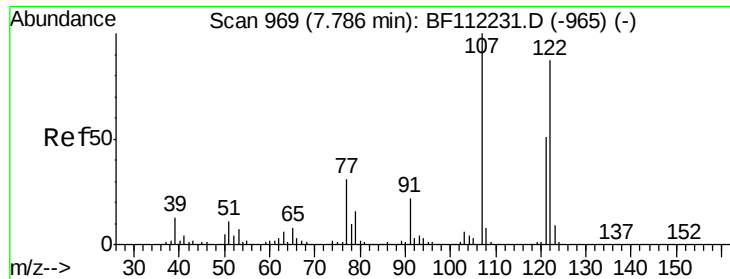
95 7.3 5.7 8.5

138 18.6 15.4 23.0



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

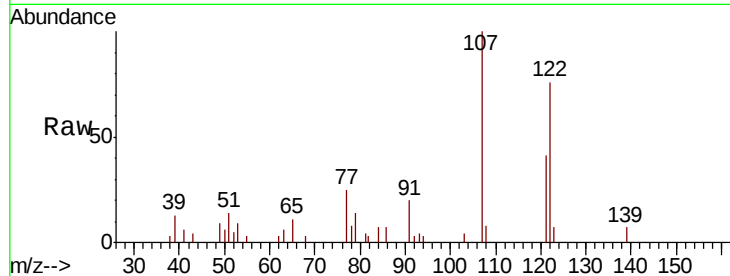




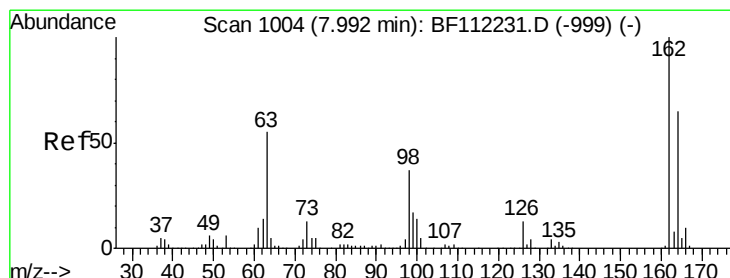
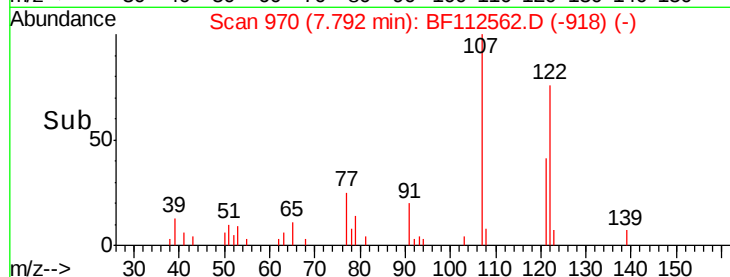
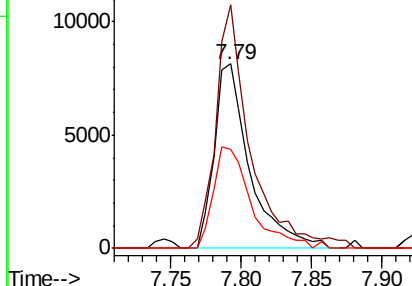
#27
2,4-Dimethylphenol
Concen: 2.237 ng
RT: 7.79 min Scan# 970
Delta R.T. 0.01 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB117100BL

Tot Ion:122 Resp: 14293
Ion Ratio Lower Upper
122 100
107 132.1 85.4 128.0#
121 53.9 47.0 70.4

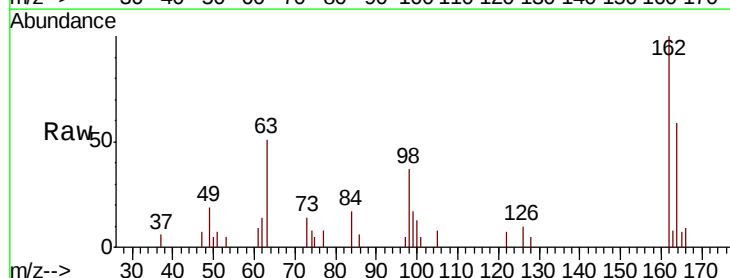


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

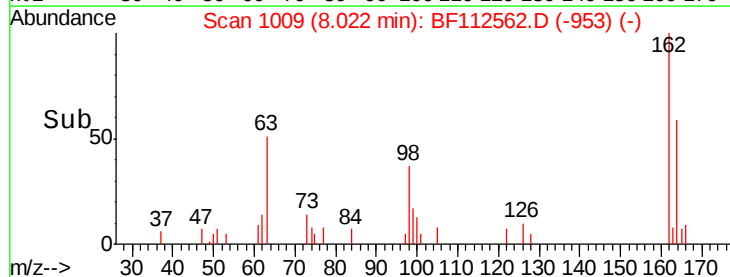
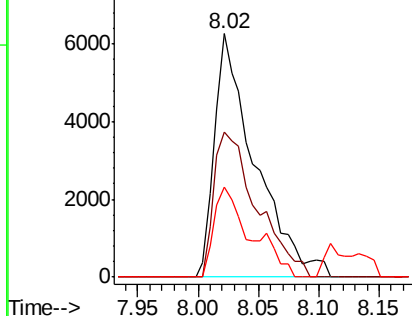


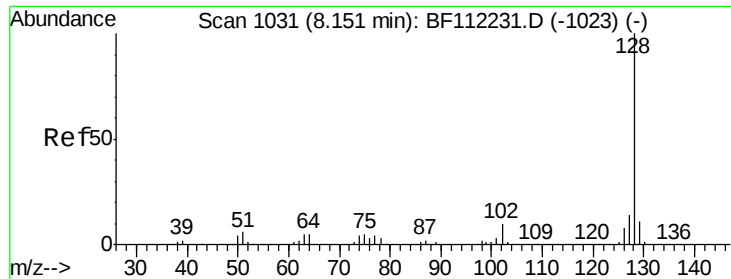
#29
2,4-Dichlorophenol
Concen: 2.027 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.03 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Tgt Ion:162 Resp: 14490
Ion Ratio Lower Upper
162 100
164 59.4 44.6 84.6
98 36.9 14.6 54.6



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

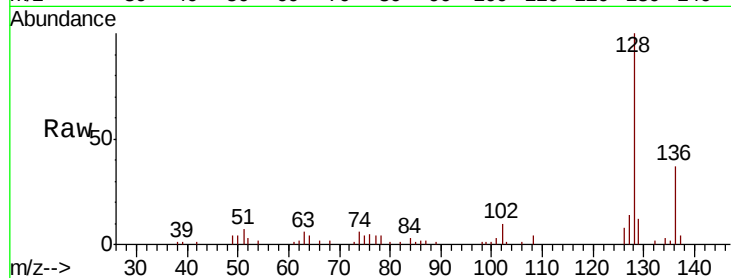




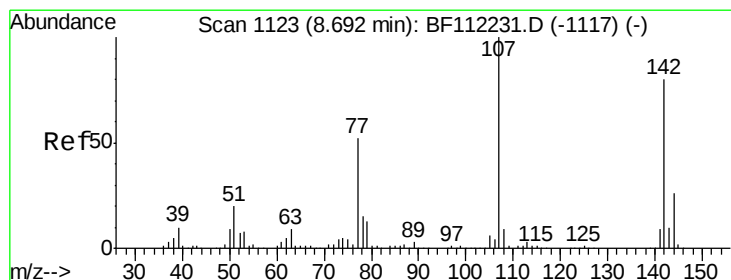
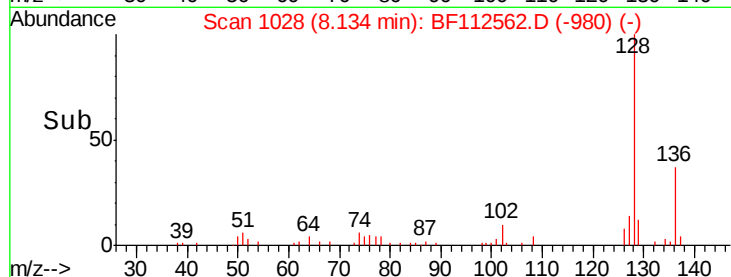
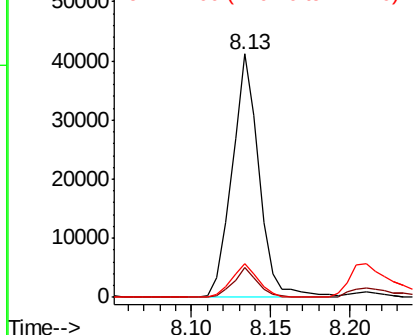
#31
Naphthalene
Concen: 2.074 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.02 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB117100BL

Tot Ion:128 Resp: 48539
Ion Ratio Lower Upper
128 100
129 12.5 9.6 14.4
127 13.7 11.1 16.7

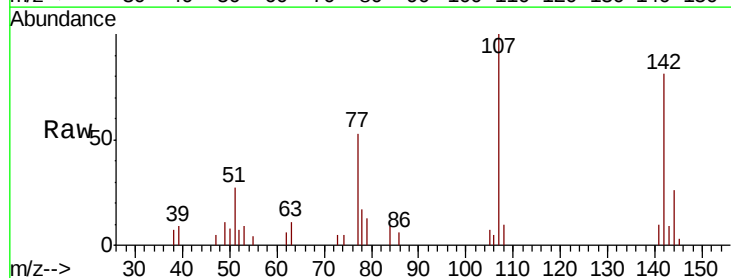


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

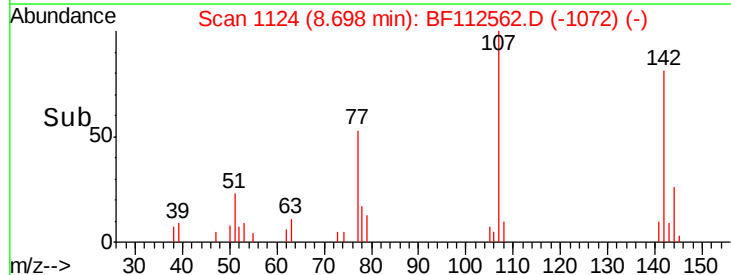
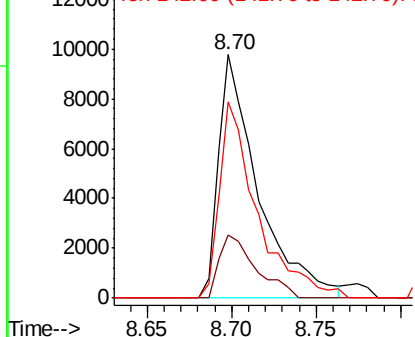


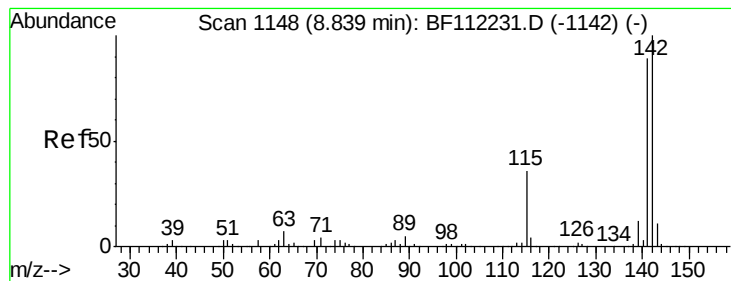
#36
4-Chloro-3-methylphenol
Concen: 2.115 ng
RT: 8.70 min Scan# 1124
Delta R.T. 0.01 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Tgt Ion:107 Resp: 16009
Ion Ratio Lower Upper
107 100
144 25.8 22.2 33.2
142 80.7 67.7 101.5



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





#37

2-Methylnaphthalene

Concen: 2.151 ng

RT: 8.83 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF112562.D

Acq: 14 Feb 2019 12:40

Instrument :

BNA_F

ClientSampleId :

PB117100BL

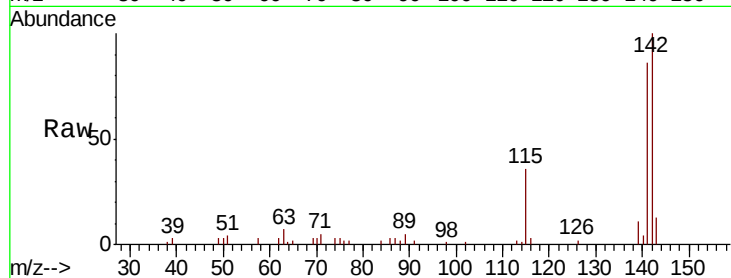
Tot Ion:142 Resp: 34474

Ion Ratio Lower Upper

142 100

141 85.9 70.9 106.3

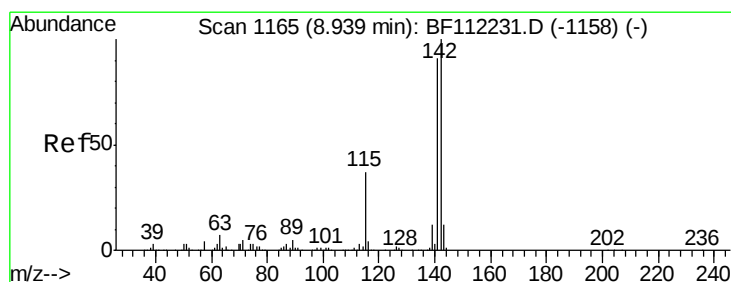
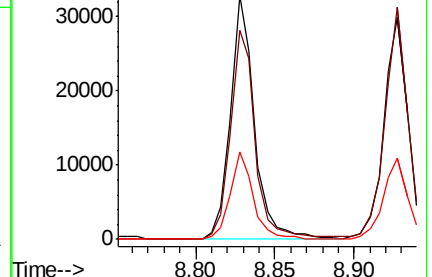
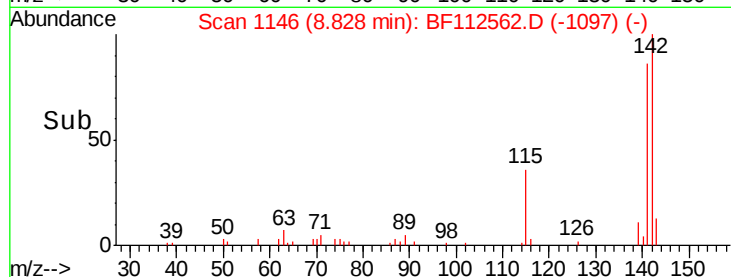
115 35.8 24.9 37.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 2.244 ng

RT: 8.83 min Scan# 1146

Delta R.T. -0.11 min

Lab File: BF112562.D

Acq: 14 Feb 2019 12:40

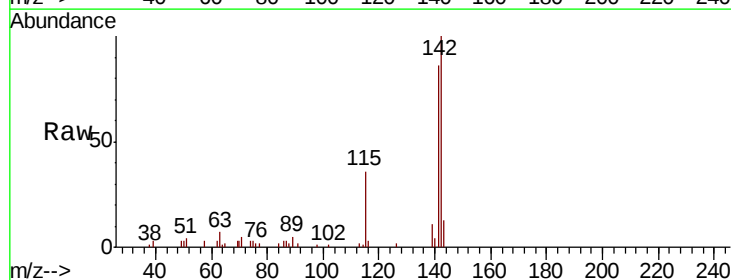
Tgt Ion:142 Resp: 34474

Ion Ratio Lower Upper

142 100

141 85.9 72.6 108.8

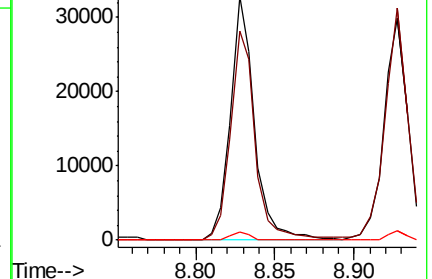
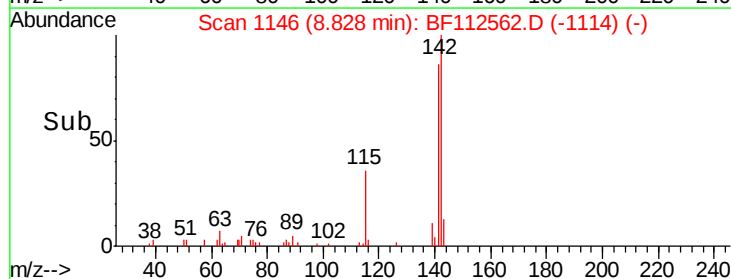
116 3.3 2.8 4.2

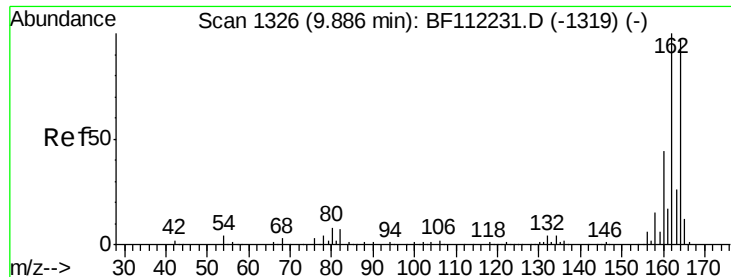


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

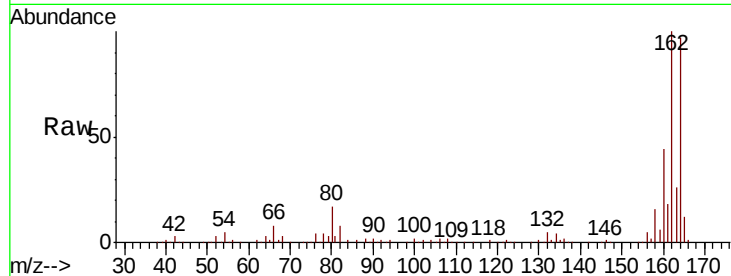




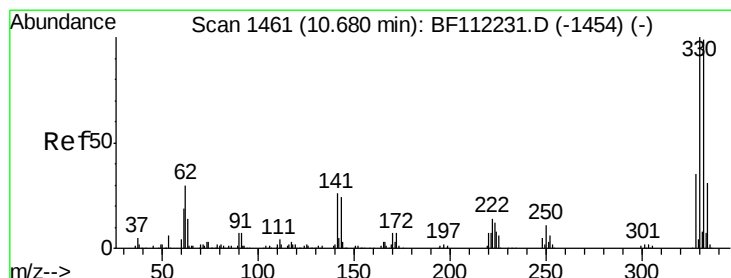
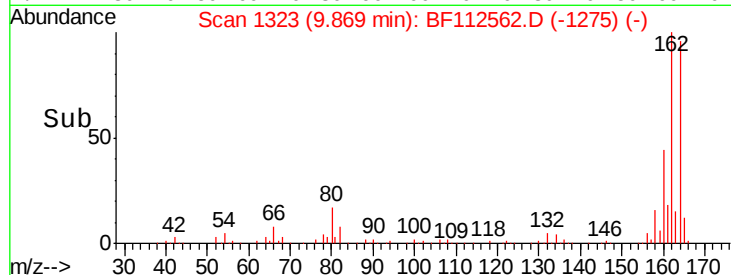
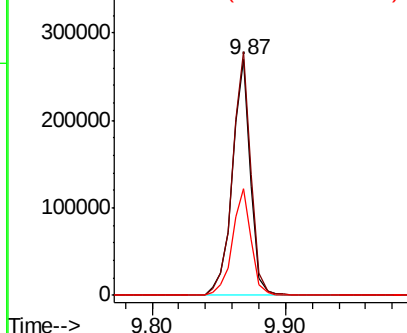
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB117100BL

Tot Ion:164 Resp: 257135
Ion Ratio Lower Upper
164 100
162 103.3 82.2 123.4
160 45.3 36.2 54.4

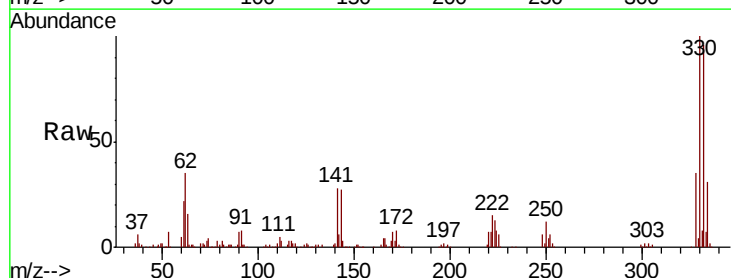


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

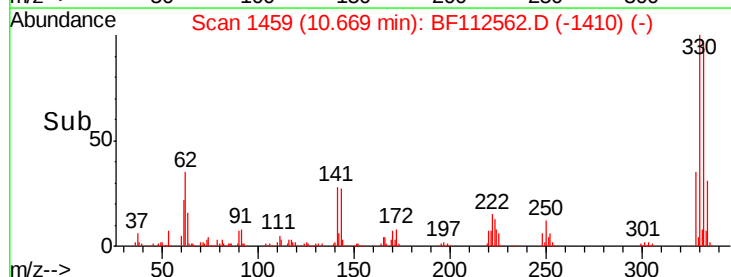
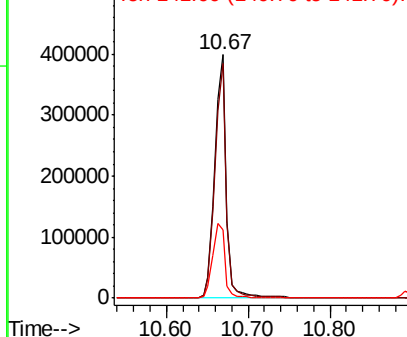


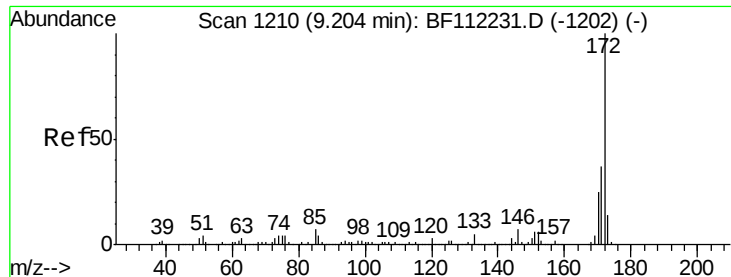
#42
2,4,6-Tribromophenol
Concen: 132.402 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Tgt Ion:330 Resp: 396278
Ion Ratio Lower Upper
330 100
332 95.0 76.6 114.8
141 33.2 24.3 36.5



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

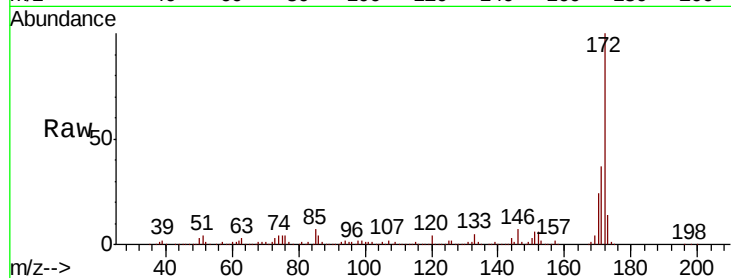




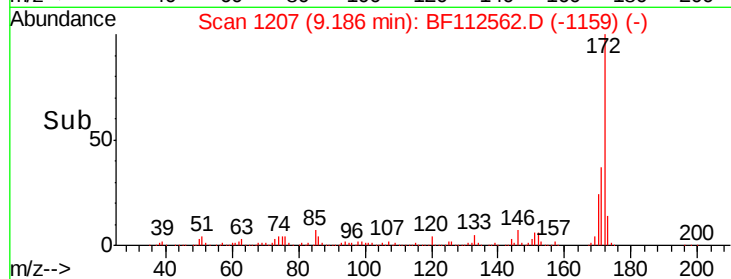
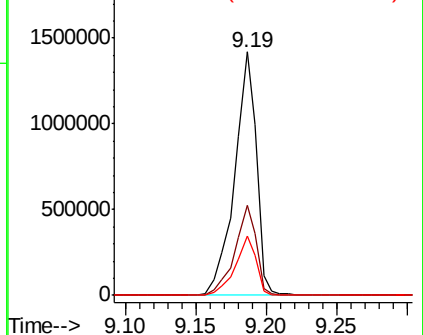
#45
 2-Fluorobiphenyl
 Concen: 83.793 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF112562.D
 Acq: 14 Feb 2019 12:40

Instrument :
 BNA_F
 ClientSampleId :
 PB117100BL

Tot Ion:172 Resp: 1523403
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.5 45.7
 170 24.4 20.2 30.4

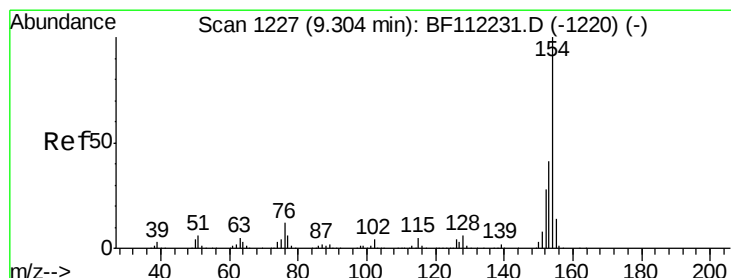


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

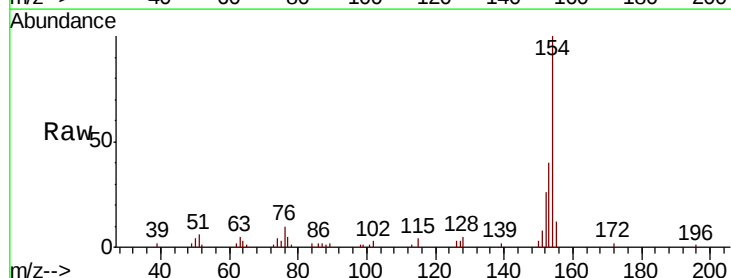
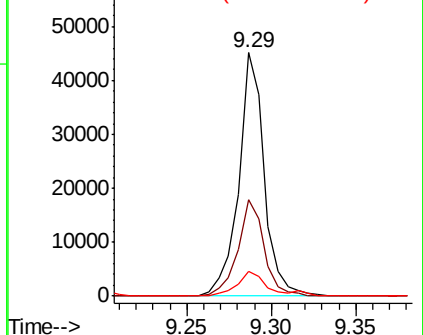


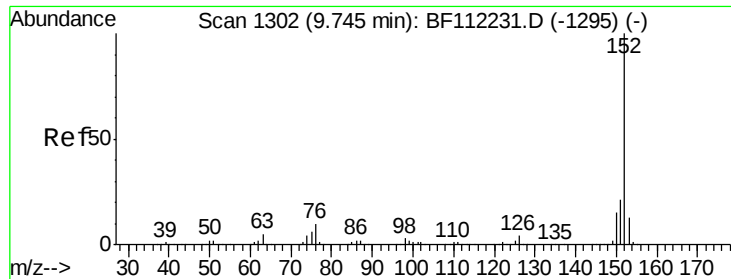
#46
 1,1'-Biphenyl
 Concen: 2.099 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.02 min
 Lab File: BF112562.D
 Acq: 14 Feb 2019 12:40

Tgt Ion:154 Resp: 47190
 Ion Ratio Lower Upper
 154 100
 153 39.8 21.5 61.5
 76 10.3 0.0 33.1



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

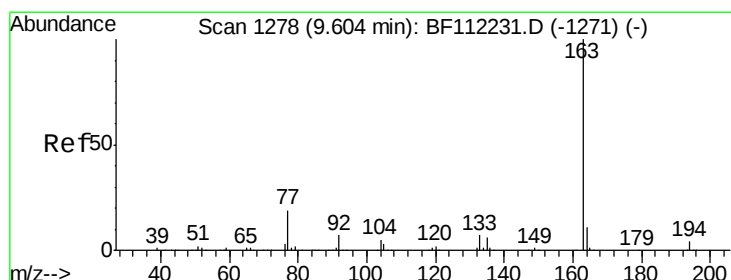
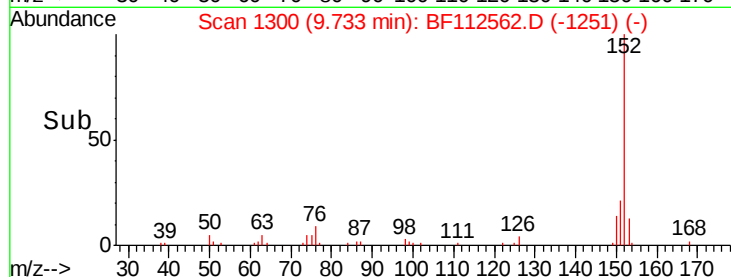
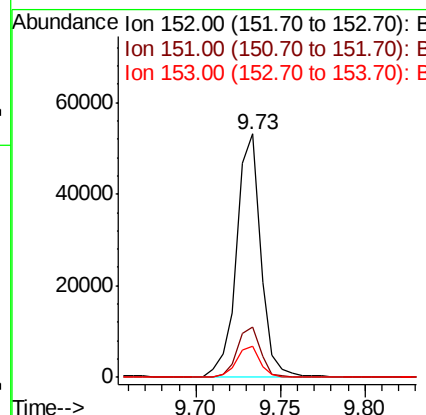
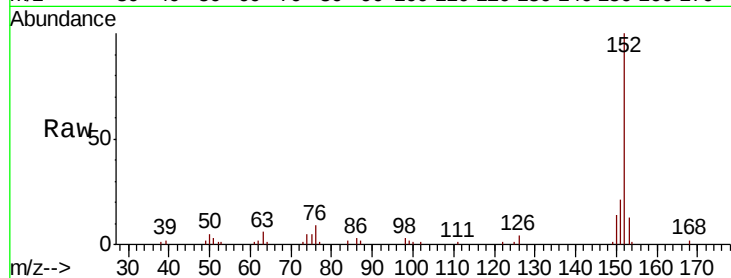




#49
Acenaphthylene
Concen: 2.075 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

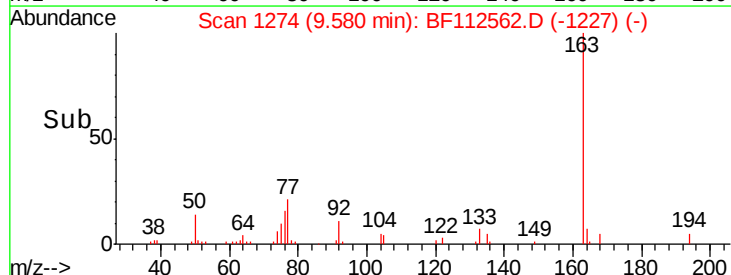
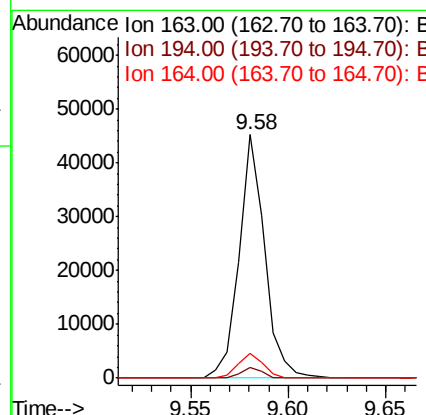
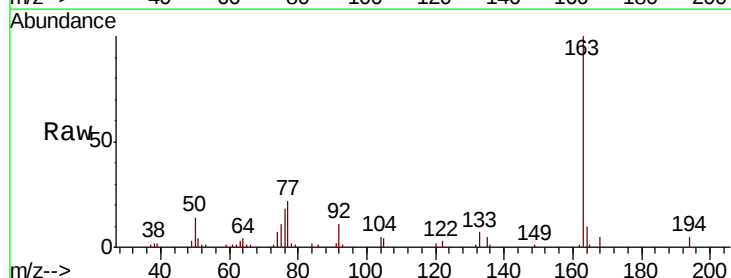
Instrument :
BNA_F
ClientSampleId :
PB117100BL

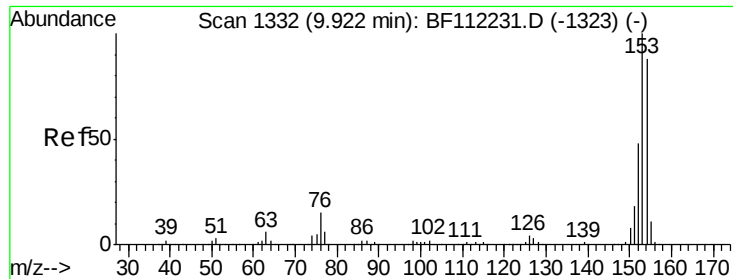
Tot Ion:152 Resp: 53023
Ion Ratio Lower Upper
152 100
151 20.8 17.0 25.6
153 12.7 11.2 16.8



#50
Dimethylphthalate
Concen: 2.064 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Tgt Ion:163 Resp: 41227
Ion Ratio Lower Upper
163 100
194 4.6 3.3 4.9
164 10.1 8.5 12.7





#52

Acenaphthene

Concen: 2.117 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.02 min

Lab File: BF112562.D

Acq: 14 Feb 2019 12:40

Instrument :

BNA_F

ClientSampleId :

PB117100BL

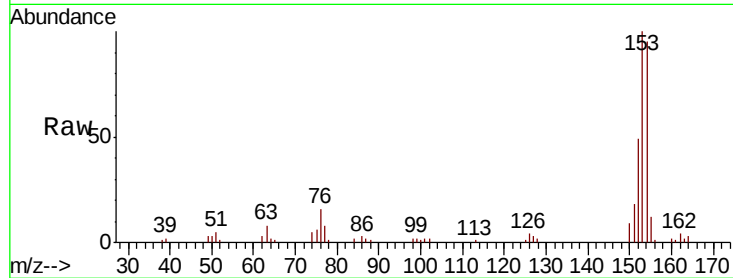
Tot Ion:154 Resp: 32312

Ion Ratio Lower Upper

154 100

153 105.8 89.8 134.6

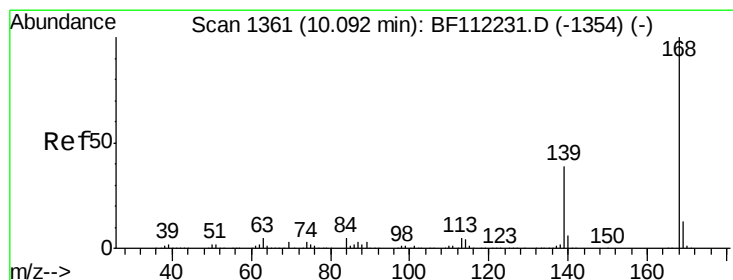
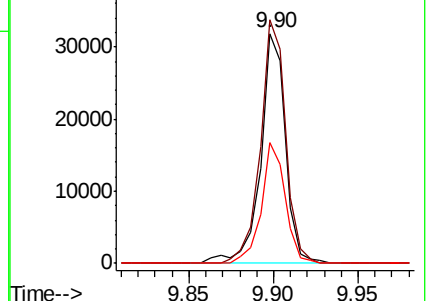
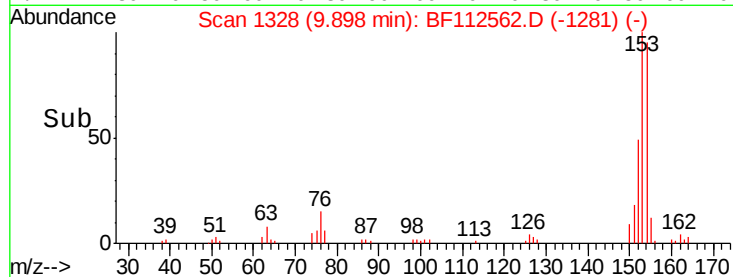
152 52.3 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.064 ng

RT: 10.07 min Scan# 1358

Delta R.T. -0.02 min

Lab File: BF112562.D

Acq: 14 Feb 2019 12:40

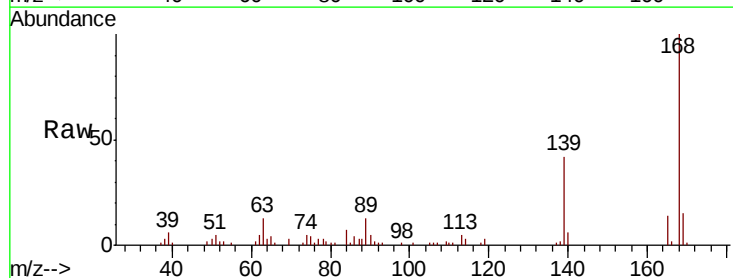
Tgt Ion:168 Resp: 48150

Ion Ratio Lower Upper

168 100

139 41.6 29.2 43.8

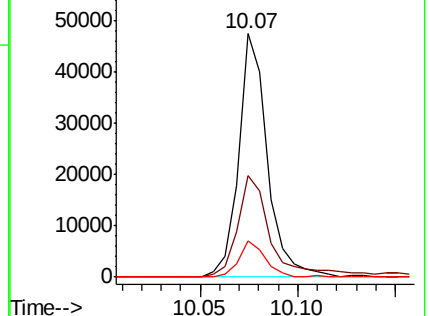
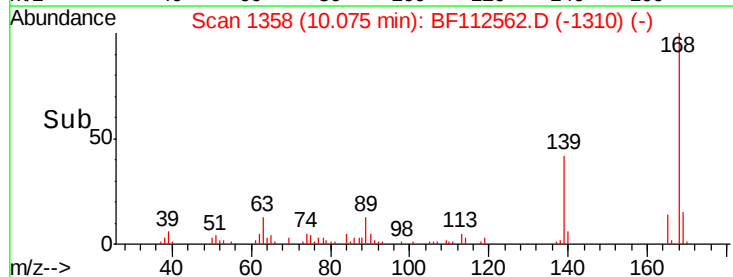
169 14.9 11.4 17.0

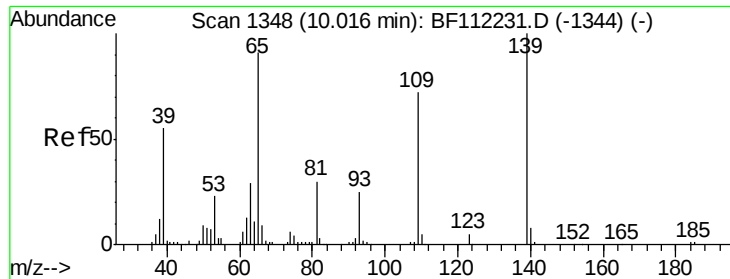


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 9.593 ng

RT: 10.07 min Scan# 1358

Delta R.T. 0.06 min

Lab File: BF112562.D

Acq: 14 Feb 2019 12:40

Instrument :

BNA_F

ClientSampleId :

PB117100BL

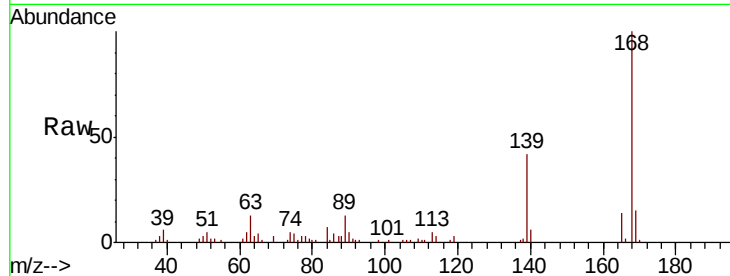
Tot Ion:139 Resp: 24584

Ion Ratio Lower Upper

139 100

109 5.1 42.8 82.8#

65 8.8 66.1 106.1#

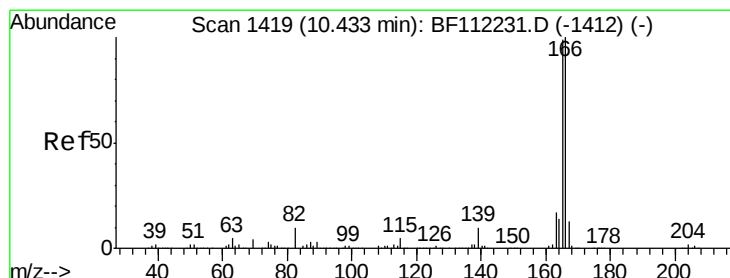
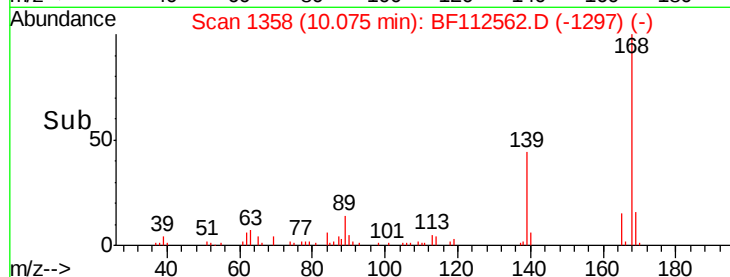
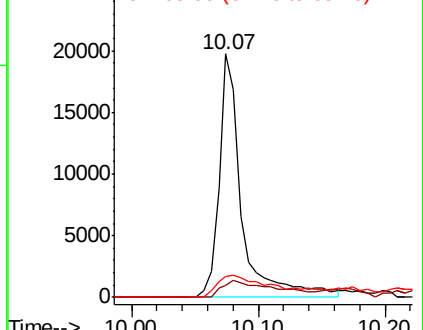


Abundance

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



#58

Fluorene

Concen: 2.227 ng

RT: 10.42 min Scan# 1416

Delta R.T. -0.02 min

Lab File: BF112562.D

Acq: 14 Feb 2019 12:40

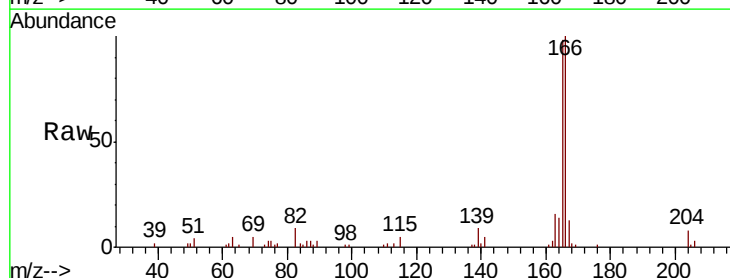
Tgt Ion:166 Resp: 38877

Ion Ratio Lower Upper

166 100

165 97.7 77.1 115.7

167 13.2 11.3 16.9

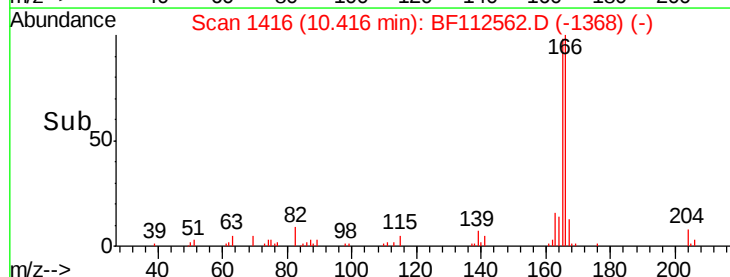
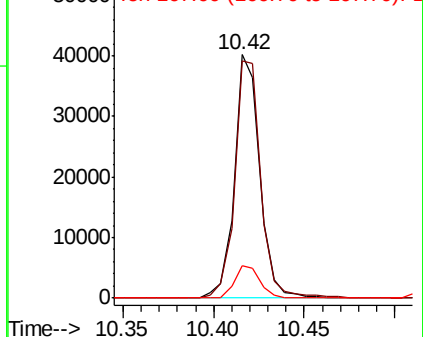


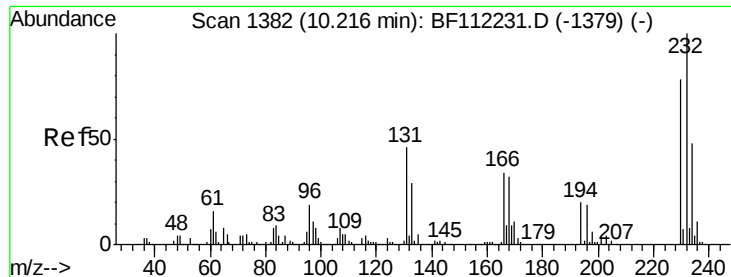
Abundance

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

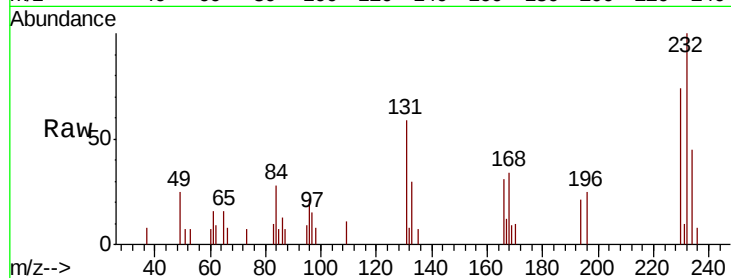




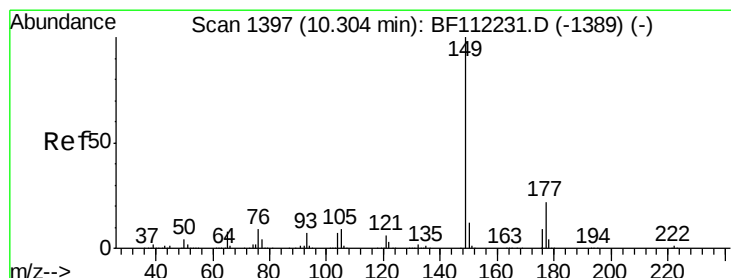
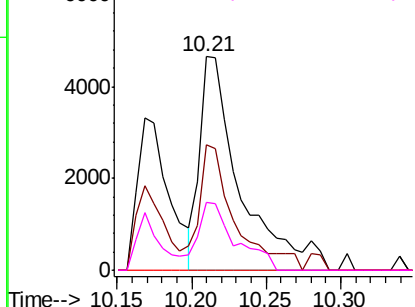
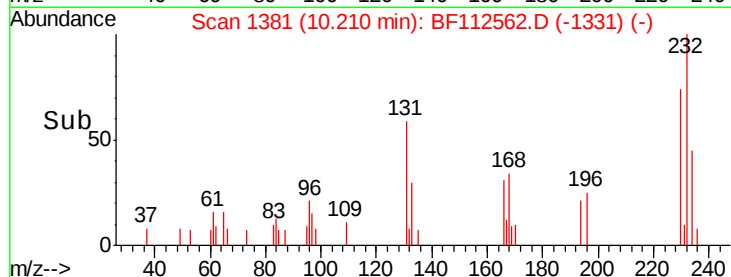
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 2.130 ng
 RT: 10.21 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: BF112562.D
 Acq: 14 Feb 2019 12:40

Instrument :
 BNA_F
 ClientSampleId :
 PB117100BL

Tot Ion:232 Resp: 8753
 Ion Ratio Lower Upper
 232 100
 131 52.4 33.9 50.9#
 130 0.0 1.8 2.6#
 166 29.7 23.6 35.4

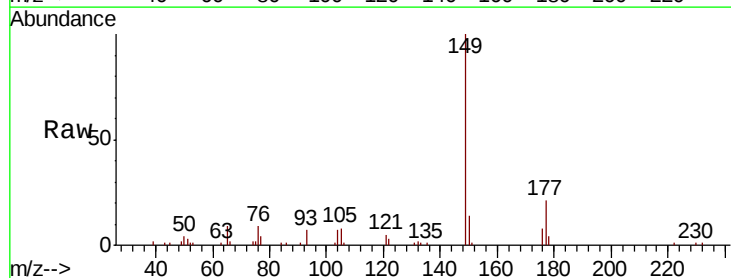


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

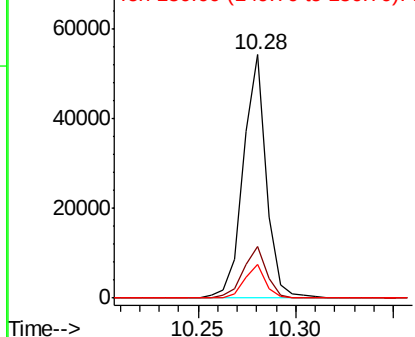
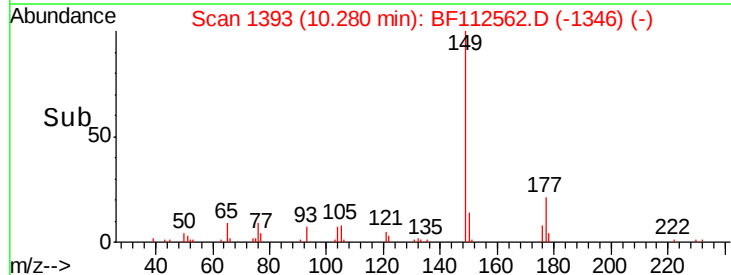


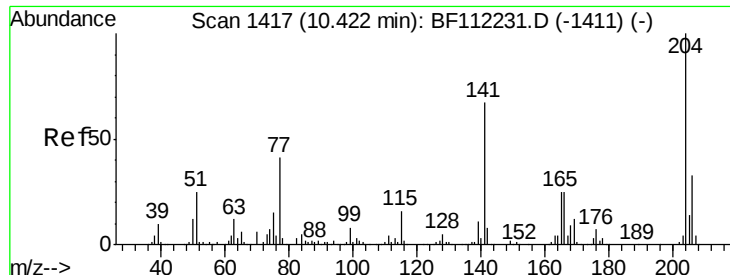
#60
 Diethylphthalate
 Concen: 2.232 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. -0.02 min
 Lab File: BF112562.D
 Acq: 14 Feb 2019 12:40

Tgt Ion:149 Resp: 44243
 Ion Ratio Lower Upper
 149 100
 177 21.1 18.2 27.2
 150 13.7 10.4 15.6



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

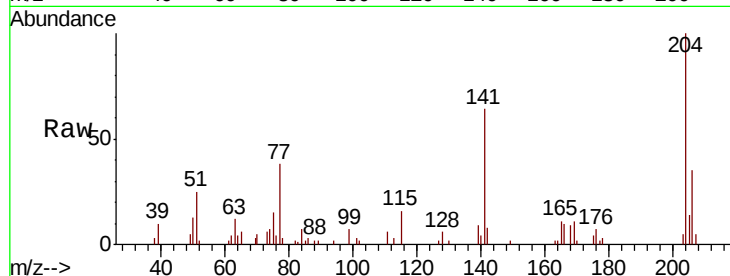




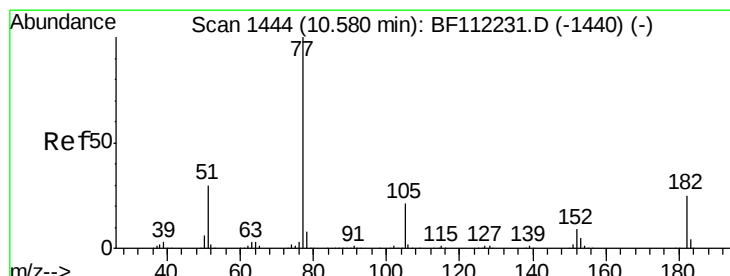
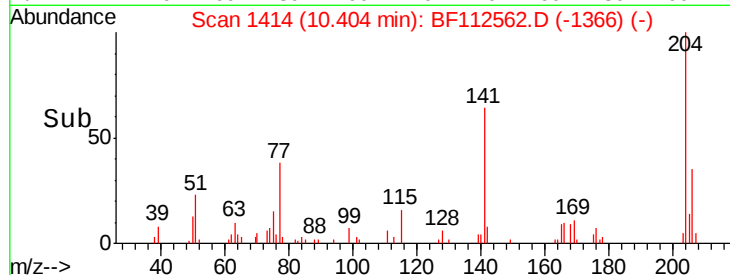
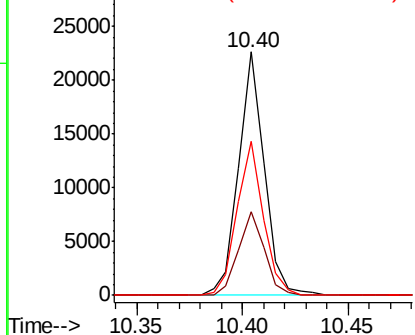
#61
4-Chlorophenyl-phenylether
Concen: 2.010 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.02 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB117100BL

Tot Ion: 204 Resp: 19086
Ion Ratio Lower Upper
204 100
206 34.5 26.5 39.7
141 63.5 45.9 68.9



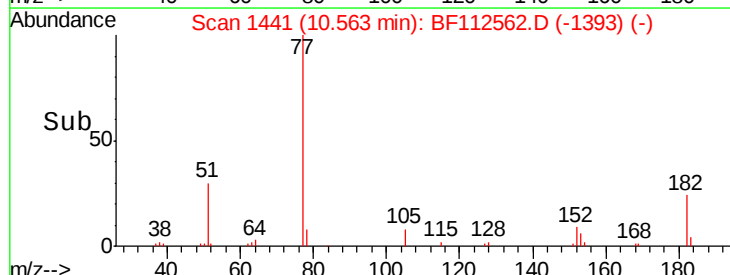
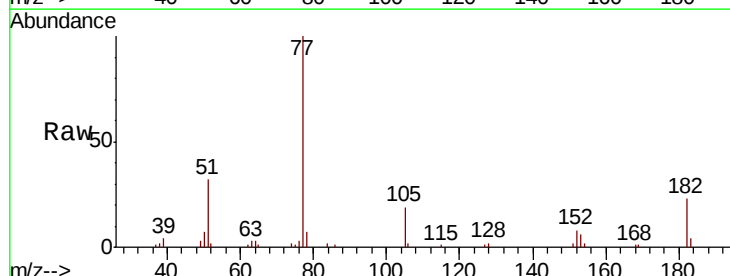
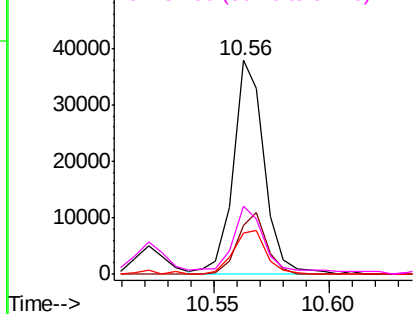
Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

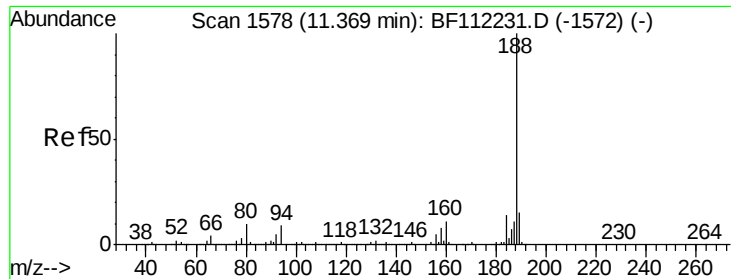


#63
Azobenzene
Concen: 2.032 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.02 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Tgt Ion: 77 Resp: 35424
Ion Ratio Lower Upper
77 100
182 22.6 5.7 45.7
105 19.3 1.4 41.4
51 31.7 9.5 49.5

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF112562.D

Acq: 14 Feb 2019 12:40

Instrument :

BNA_F

ClientSampleId :

PB117100BL

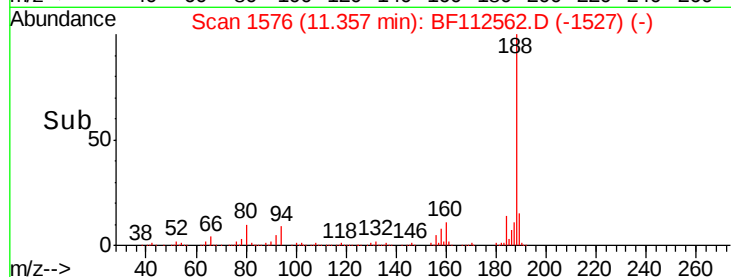
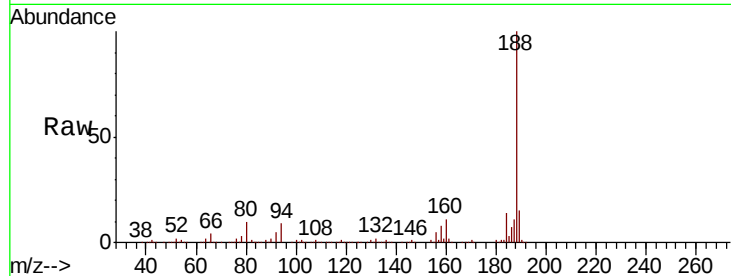
Tot Ion:188 Resp: 505745

Ion Ratio Lower Upper

188 100

94 8.8 8.2 12.2

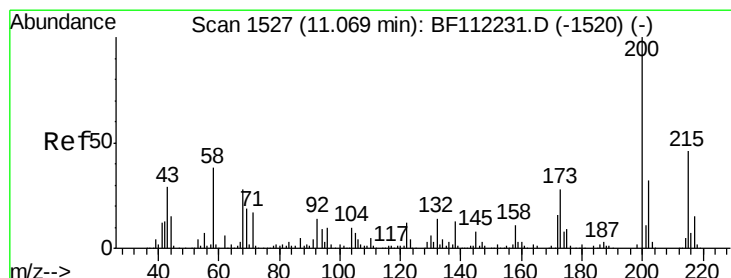
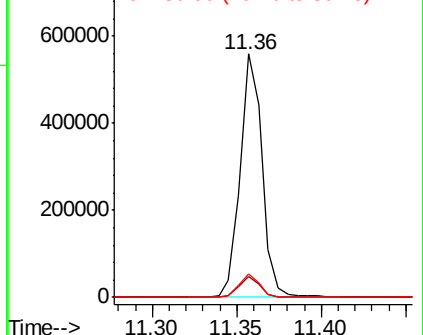
80 9.6 8.9 13.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#69

Atrazine

Concen: 2.110 ng

RT: 11.05 min Scan# 1524

Delta R.T. -0.02 min

Lab File: BF112562.D

Acq: 14 Feb 2019 12:40

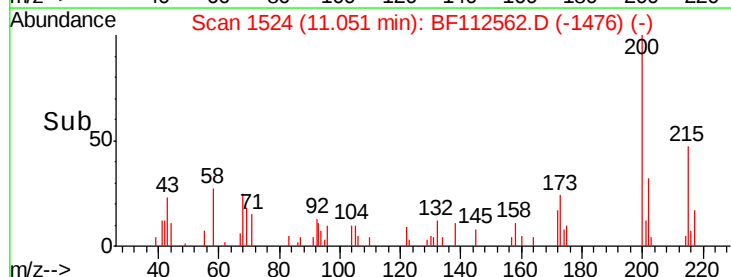
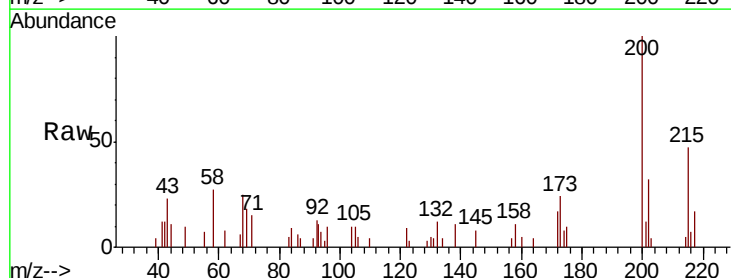
Tgt Ion:200 Resp: 11605

Ion Ratio Lower Upper

200 100

173 24.3 7.1 47.1

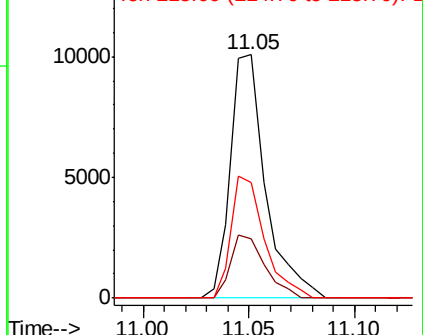
215 47.3 30.4 70.4

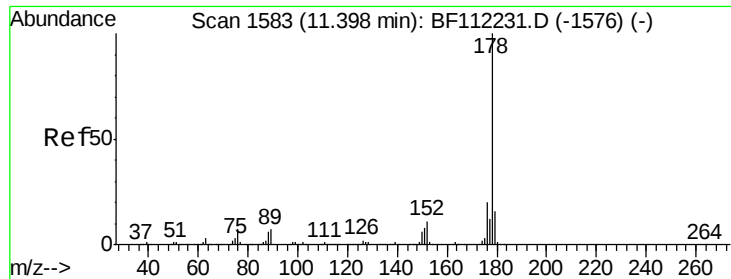


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

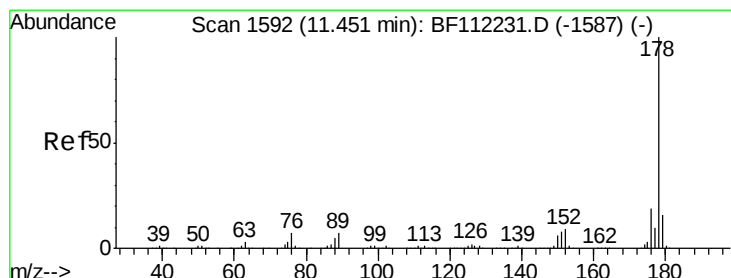
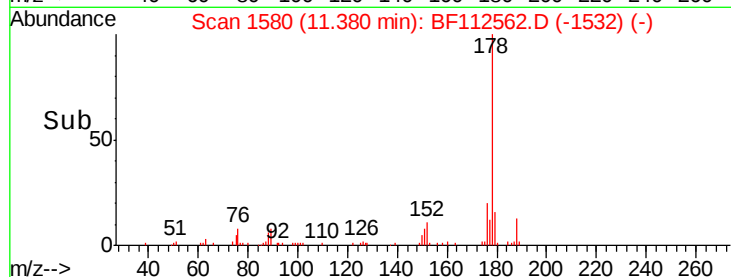
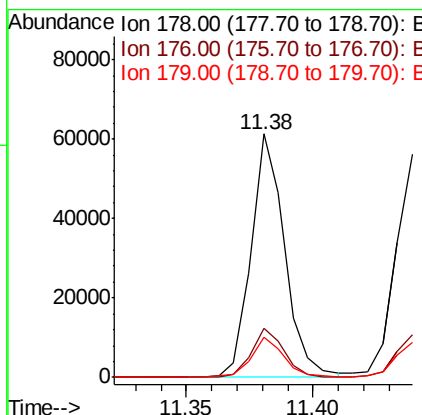
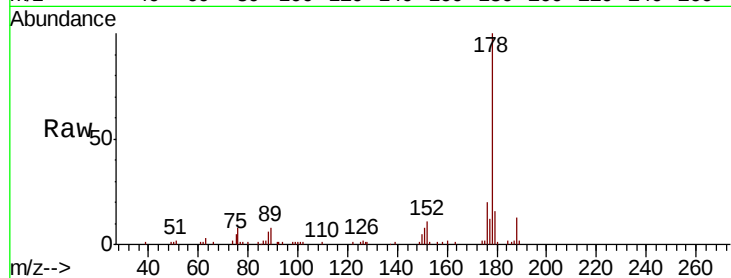




#71
Phenanthrene
Concen: 2.156 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

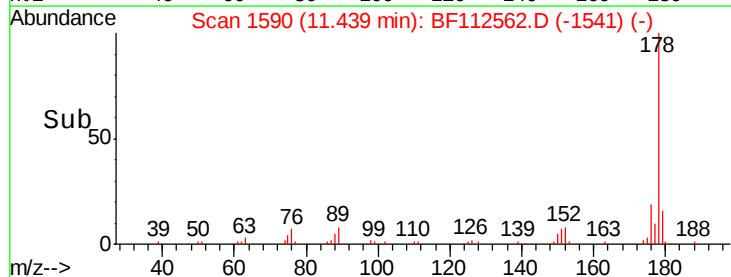
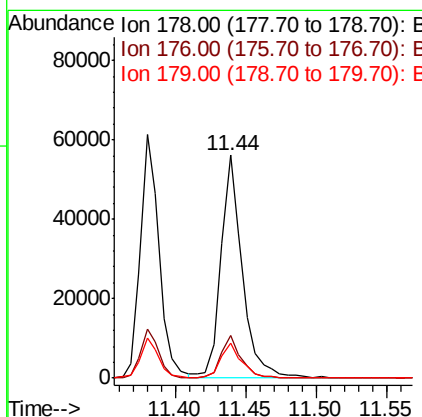
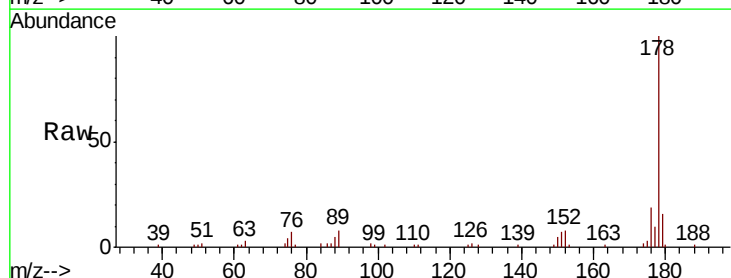
Instrument :
BNA_F
ClientSampleId :
PB117100BL

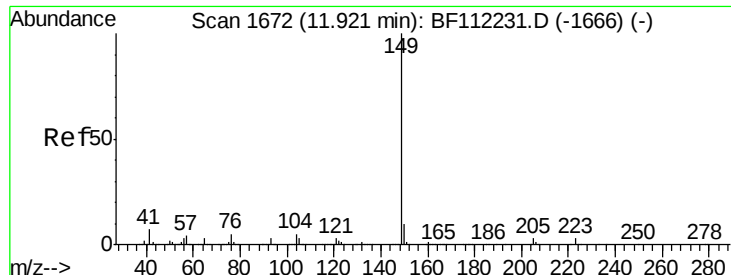
Tot Ion:178 Resp: 56689
Ion Ratio Lower Upper
178 100
176 19.9 16.3 24.5
179 16.3 13.0 19.4



#72
Anthracene
Concen: 2.262 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Tgt Ion:178 Resp: 59233
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.6 12.8 19.2





#74

Di-n-butylphthalate

Concen: 2.266 ng

RT: 11.91 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BF112562.D

Acq: 14 Feb 2019 12:40

Instrument :

BNA_F

ClientSampleId :

PB117100BL

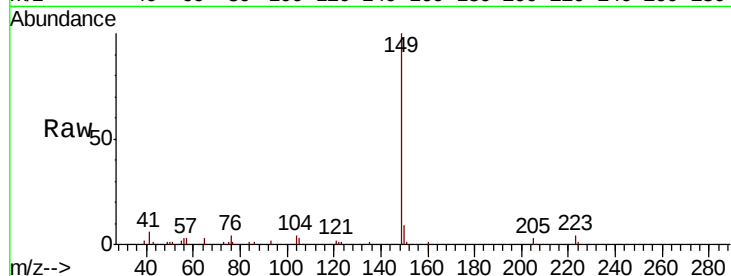
Tot Ion:149 Resp: 72658

Ion Ratio Lower Upper

149 100

150 8.9 8.1 12.1

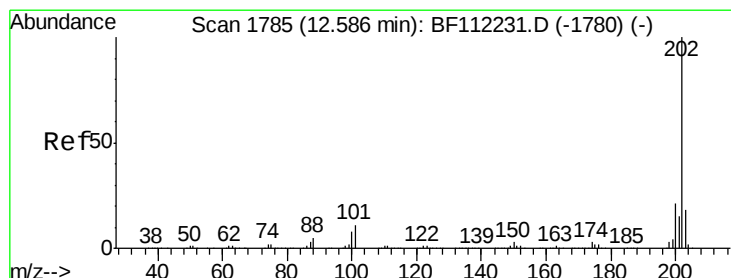
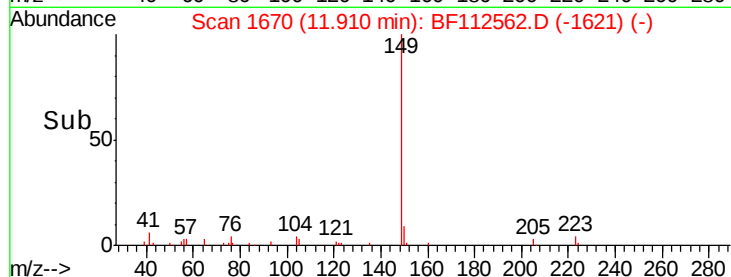
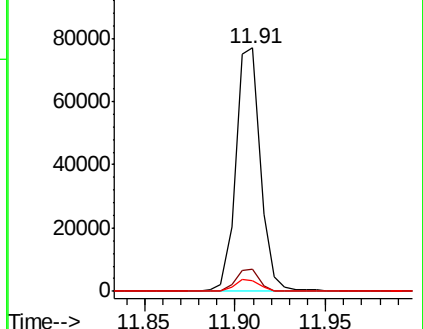
104 4.3 3.9 5.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 2.084 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112562.D

Acq: 14 Feb 2019 12:40

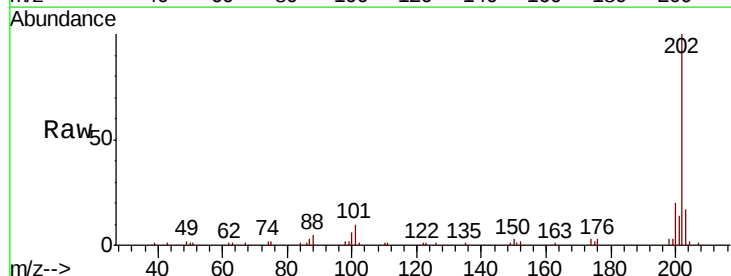
Tgt Ion:202 Resp: 58763

Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.8

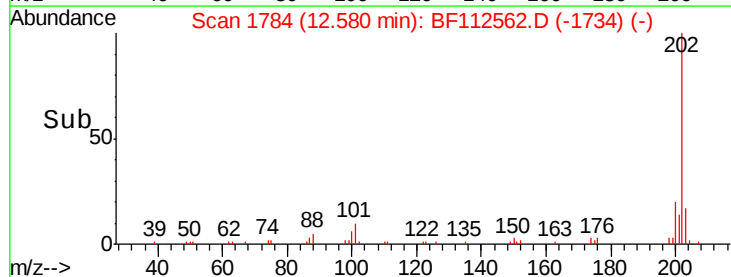
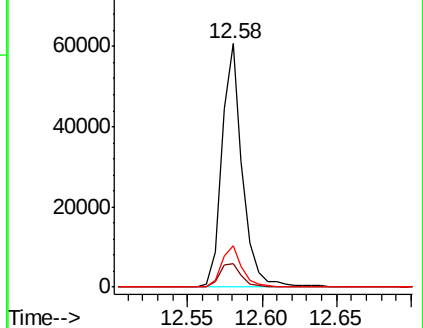
203 17.0 0.0 38.4

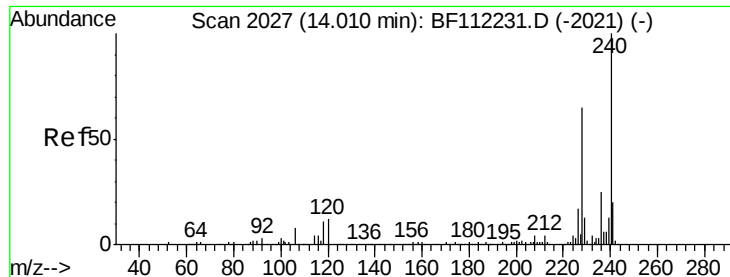


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

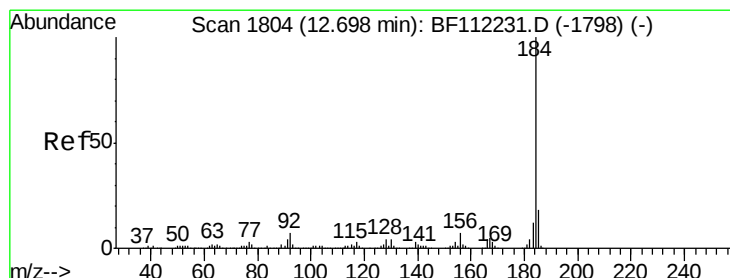
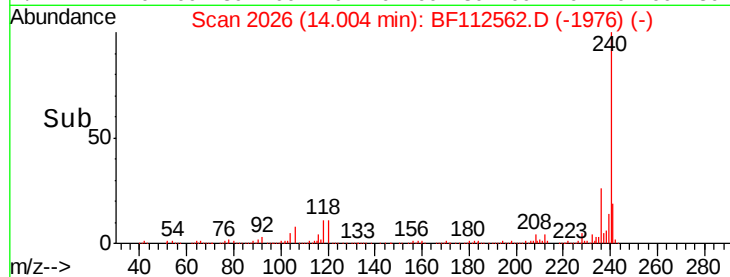
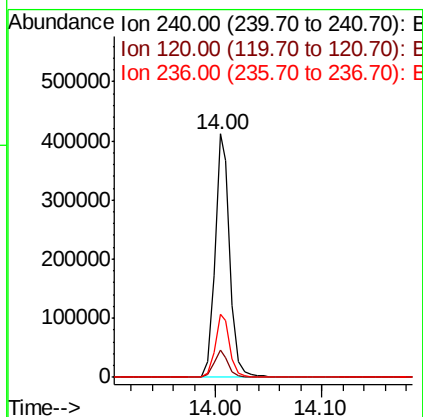
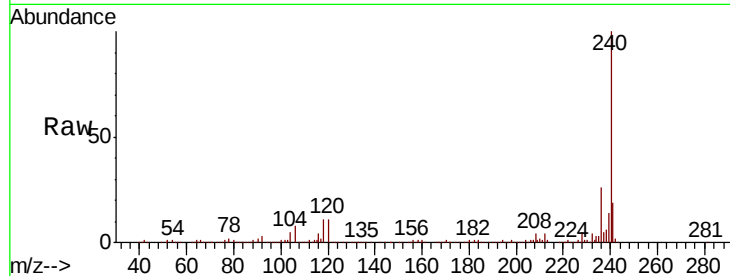




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF112562.D
 Acq: 14 Feb 2019 12:40

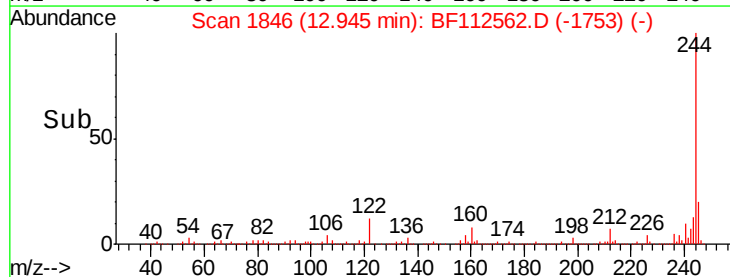
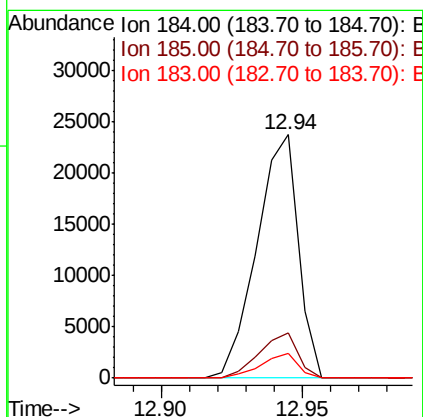
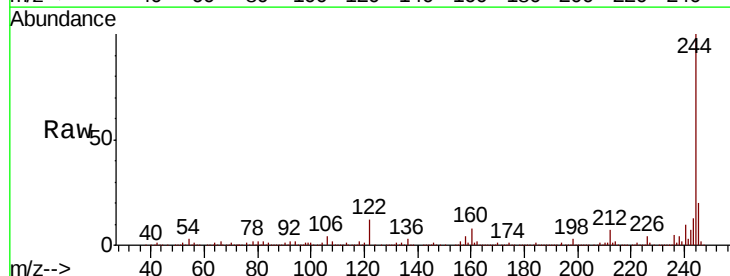
Instrument :
 BNA_F
 ClientSampleID :
 PB117100BL

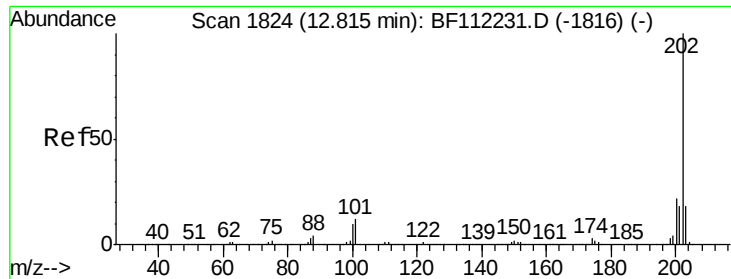
Tot Ion:240 Resp: 407617
 Ion Ratio Lower Upper
 240 100
 120 11.4 9.0 13.6
 236 25.9 20.7 31.1



#77
 Benzidine
 Concen: 2.160 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. 0.25 min
 Lab File: BF112562.D
 Acq: 14 Feb 2019 12:40

Tgt Ion:184 Resp: 24232
 Ion Ratio Lower Upper
 184 100
 185 18.7 13.9 20.9
 183 10.4 10.0 15.0

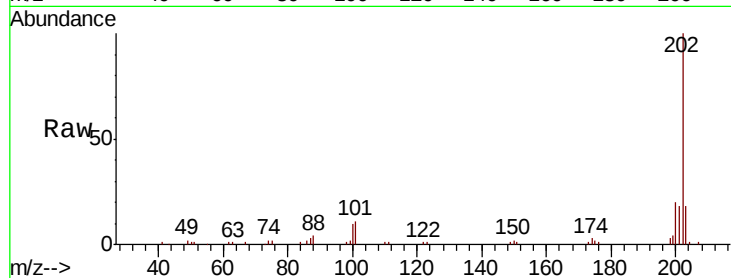




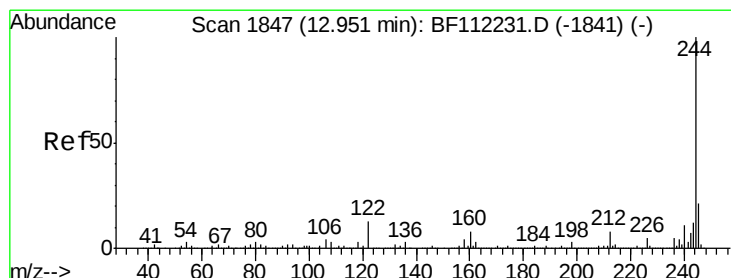
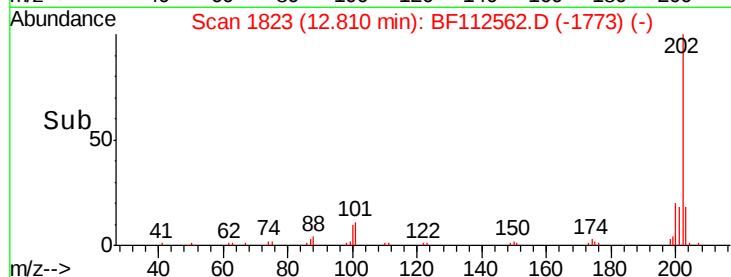
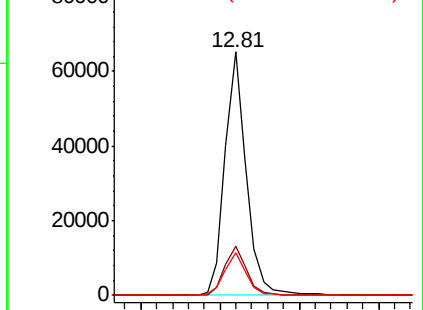
#78
Pvrene
Concen: 2.154 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB117100BL

Tot Ion:202 Resp: 60782
Ion Ratio Lower Upper
202 100
200 20.0 17.7 26.5
203 17.6 14.6 22.0

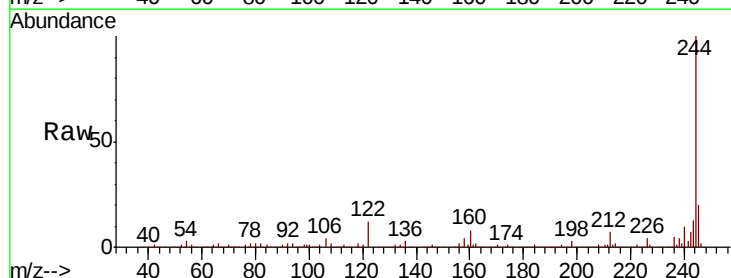


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

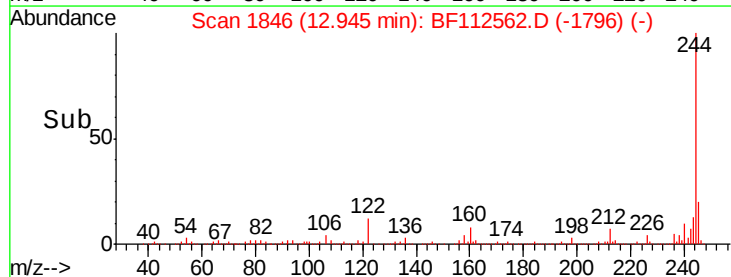
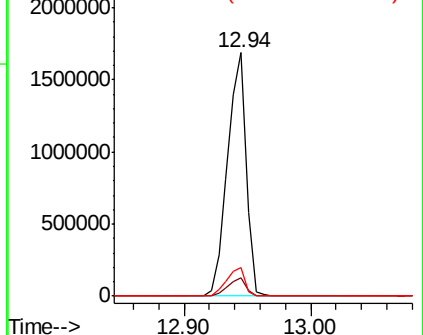


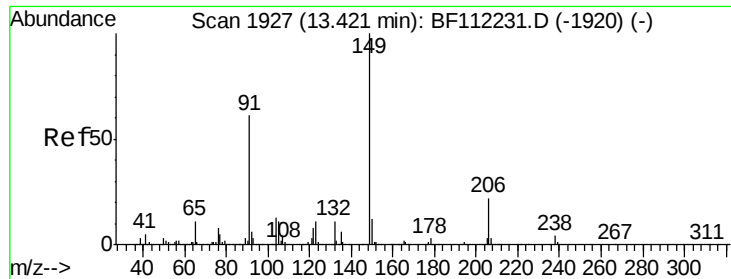
#79
Terphenyl-d14
Concen: 79.280 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Tgt Ion:244 Resp: 1715786
Ion Ratio Lower Upper
244 100
212 7.5 5.9 8.9
122 11.7 9.8 14.6



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

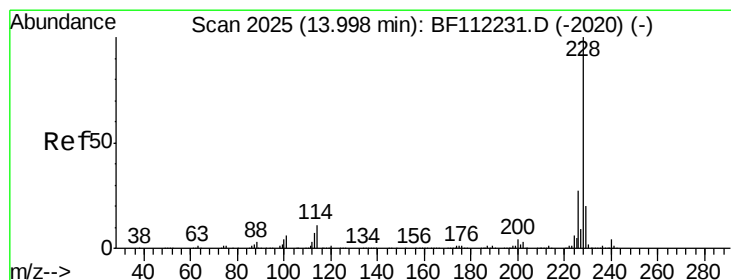
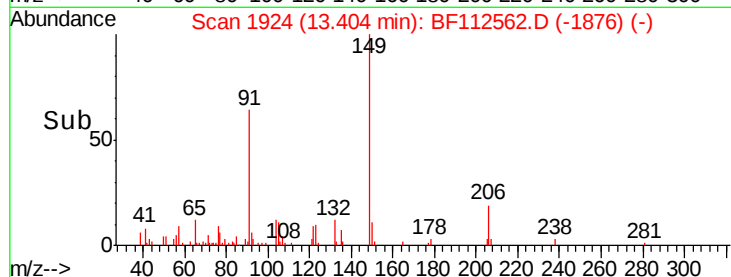
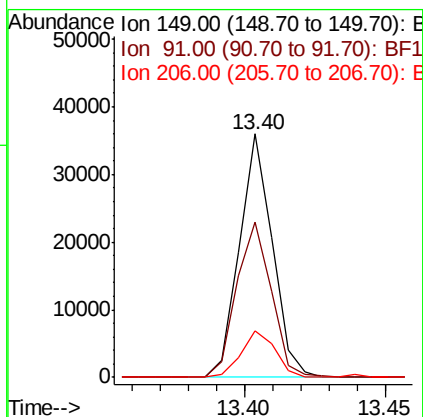
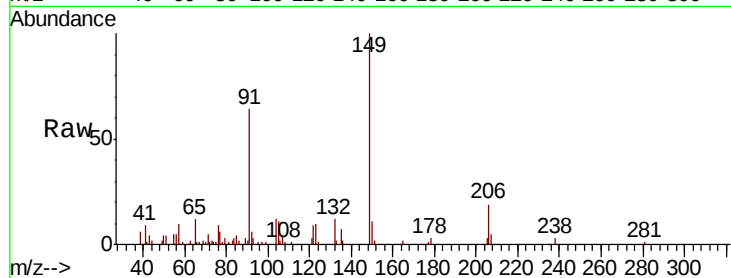




#80
Butylbenzylphthalate
Concen: 2.131 ng
RT: 13.40 min Scan# 1924
Delta R.T. -0.02 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

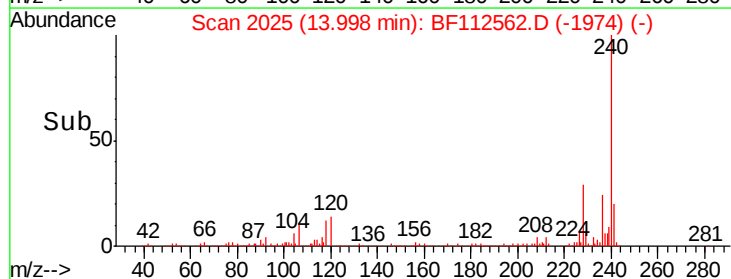
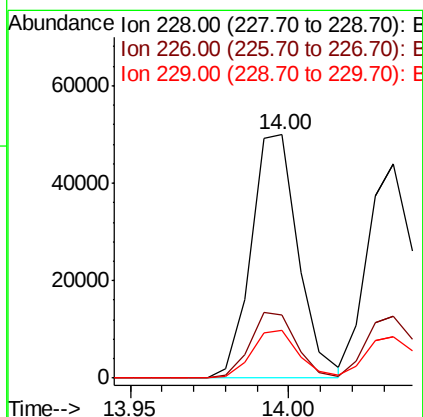
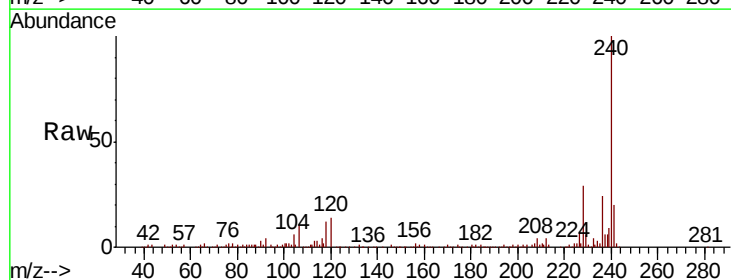
Instrument :
BNA_F
ClientSampleID :
PB117100BL

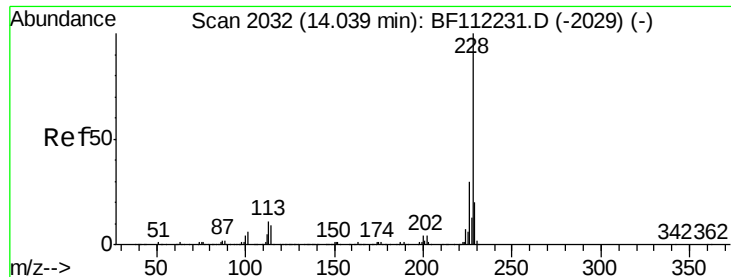
Tot Ion	Ratio	Lower	Upper
149	100		
91	63.8	50.3	75.5
206	19.2	18.2	27.4



#81
Benzo(a)anthracene
Concen: 2.159 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.8	22.6	34.0
229	19.8	16.5	24.7

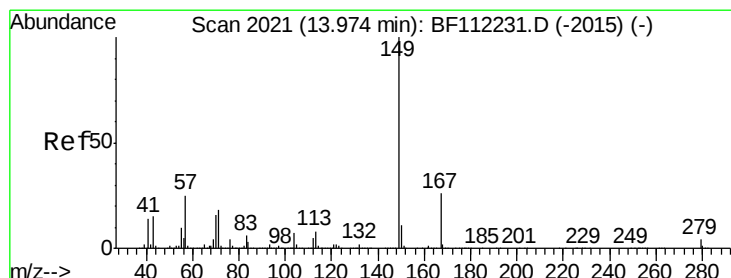
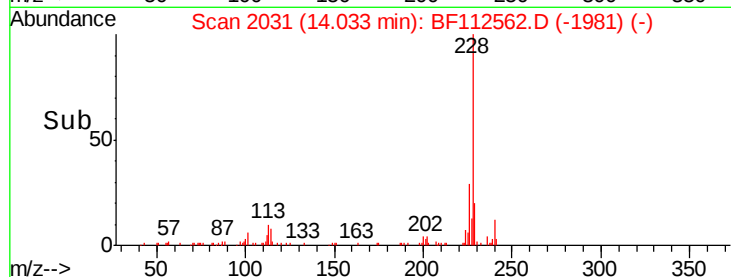
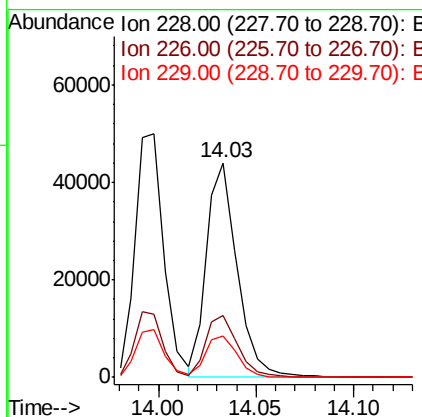
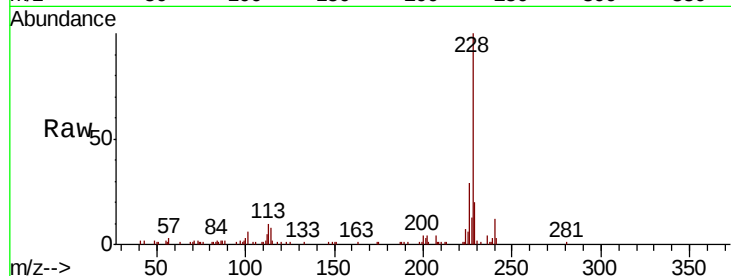




#83
 Chrvsene
 Concen: 2.111 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF112562.D
 Acq: 14 Feb 2019 12:40

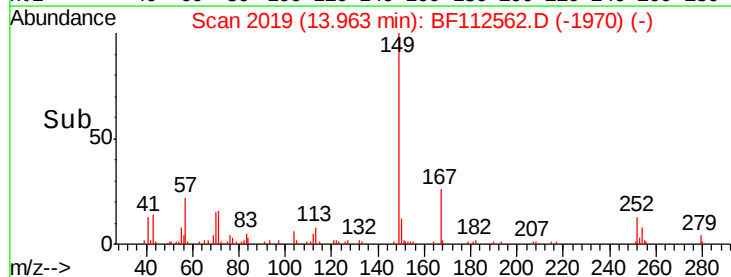
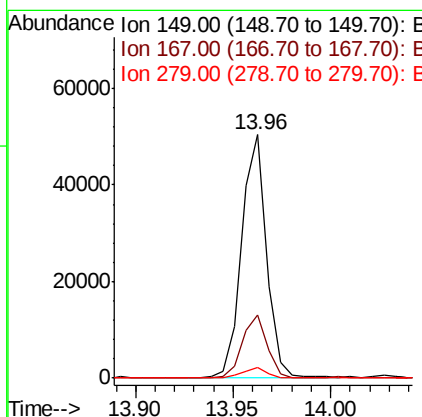
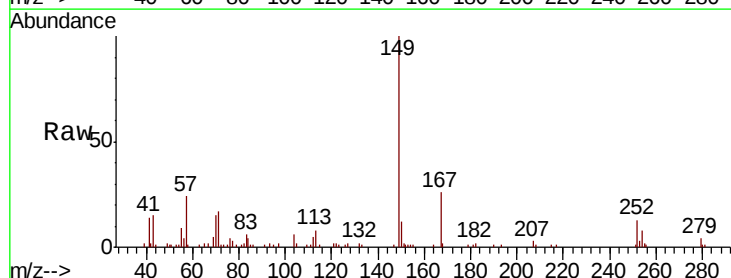
Instrument :
 BNA_F
 ClientSampleId :
 PB117100BL

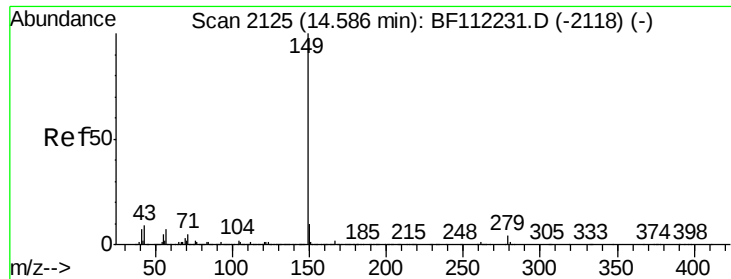
Tot Ion:228 Resp: 48275
 Ion Ratio Lower Upper
 228 100
 226 28.8 25.0 37.6
 229 19.6 16.6 24.8



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.312 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF112562.D
 Acq: 14 Feb 2019 12:40

Tgt Ion:149 Resp: 44813
 Ion Ratio Lower Upper
 149 100
 167 26.1 22.5 33.7
 279 4.5 3.8 5.6

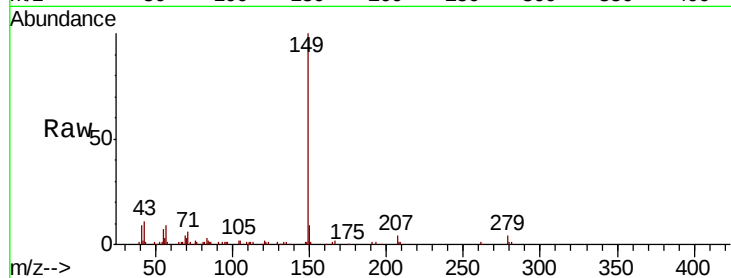




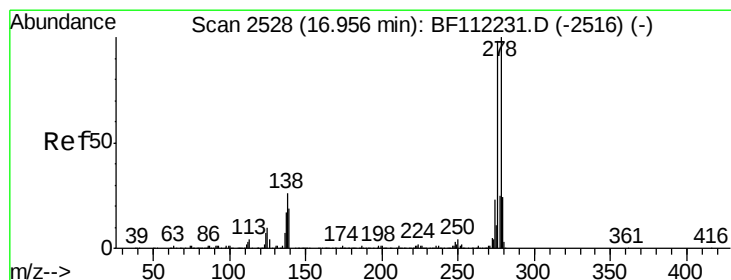
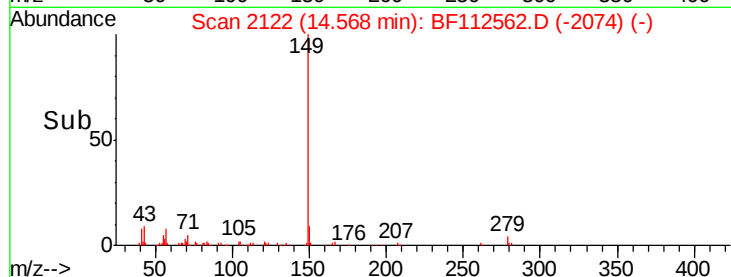
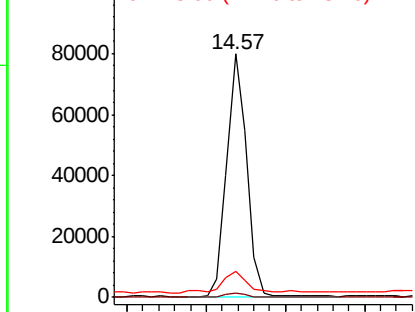
#85
Di-n-octyl phthalate
Concen: 2.365 ng
RT: 14.57 min Scan# 2122
Delta R.T. -0.02 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB117100BL

Tot Ion:149 Resp: 70532
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.9 7.8 11.6

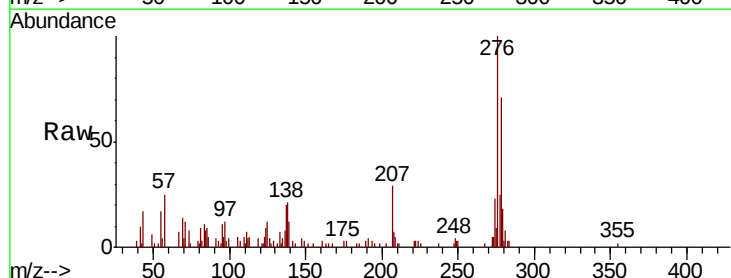


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

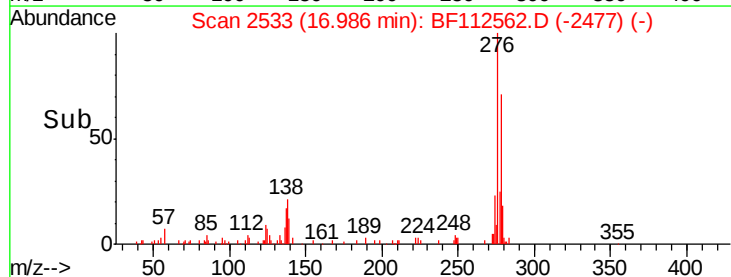
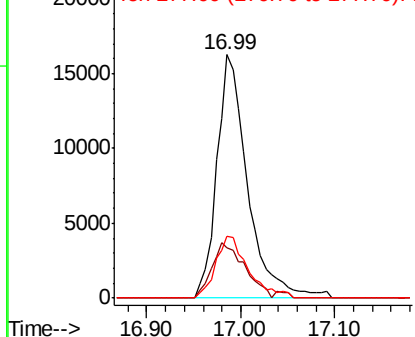


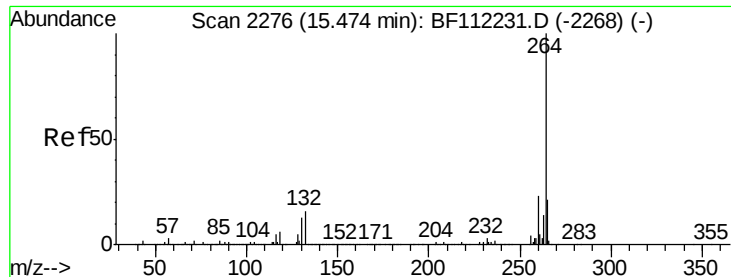
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.051 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.03 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Tgt Ion:276 Resp: 37167
Ion Ratio Lower Upper
276 100
138 24.2 22.6 34.0
277 26.8 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

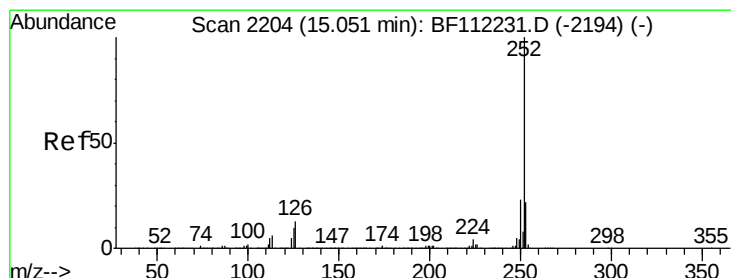
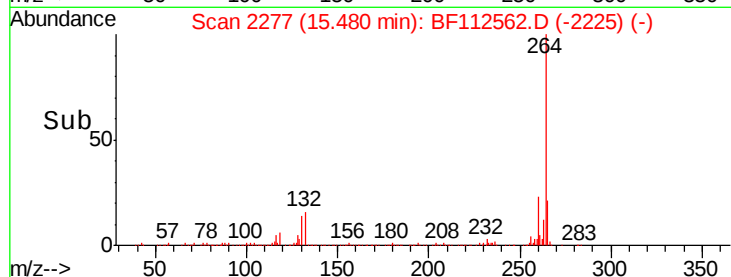
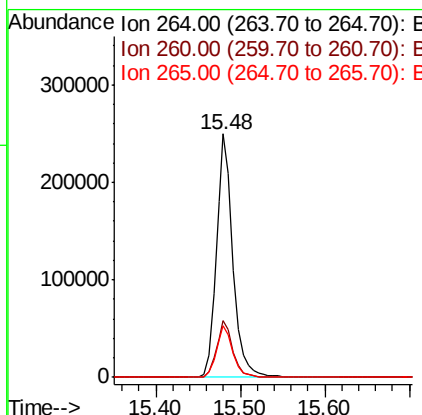
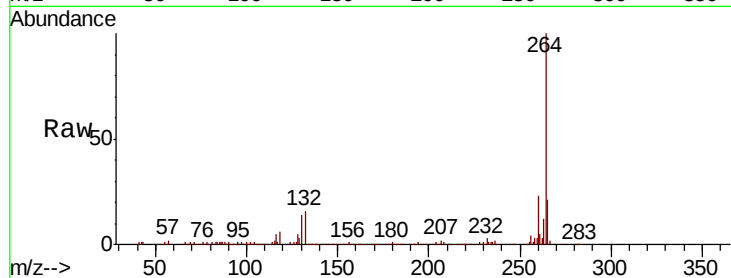




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

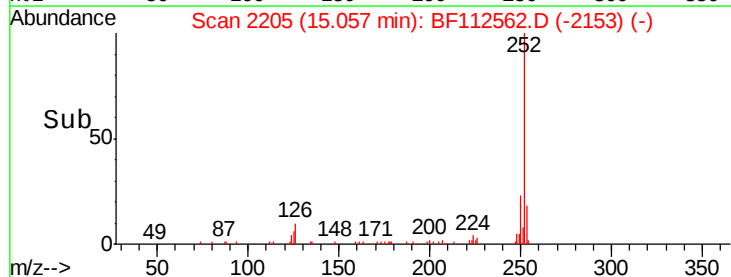
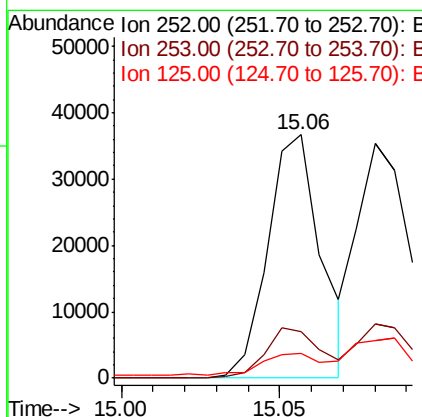
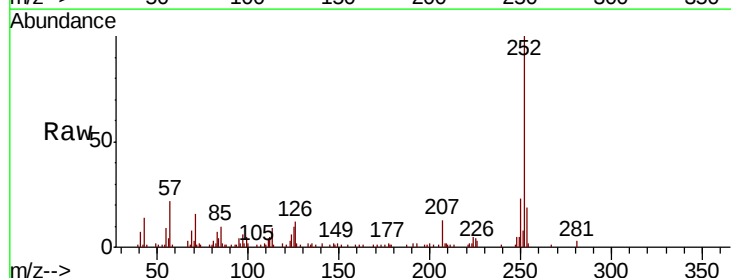
Instrument :
BNA_F
ClientSampleId :
PB117100BL

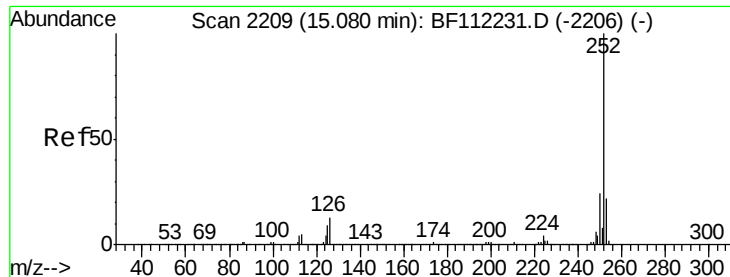
Tot Ion:264 Resp: 341650
Ion Ratio Lower Upper
264 100
260 23.1 18.2 27.2
265 21.3 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 2.096 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Tgt Ion:252 Resp: 42833
Ion Ratio Lower Upper
252 100
253 19.1 18.0 27.0
125 10.2 8.7 13.1

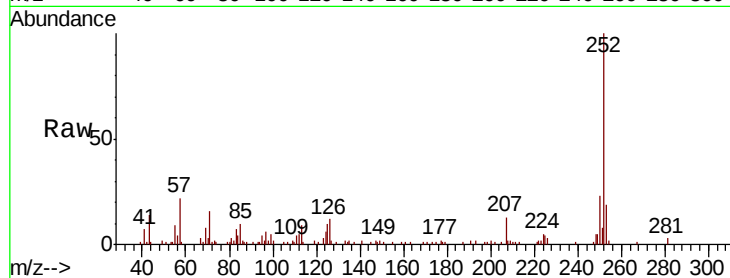




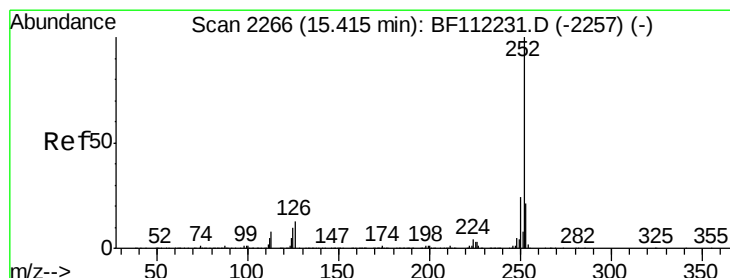
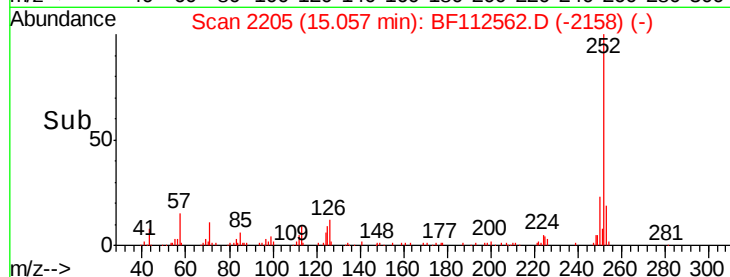
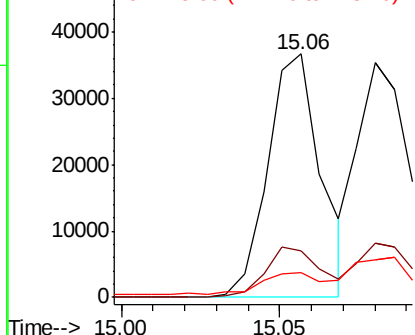
#89
Benzo(k)fluoranthene
Concen: 2.189 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB117100BL

Tot Ion:252 Resp: 42833
Ion Ratio Lower Upper
252 100
253 19.1 18.0 27.0
125 10.2 9.1 13.7

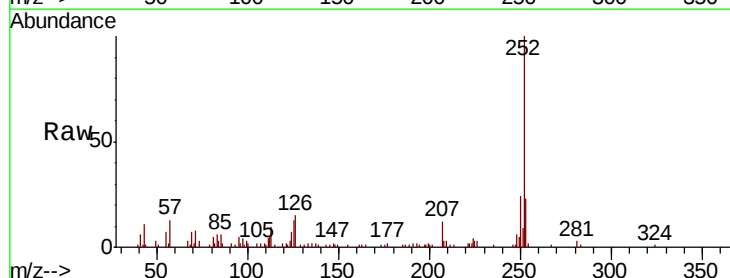


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

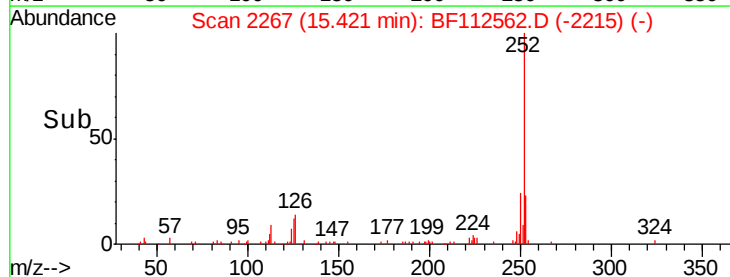
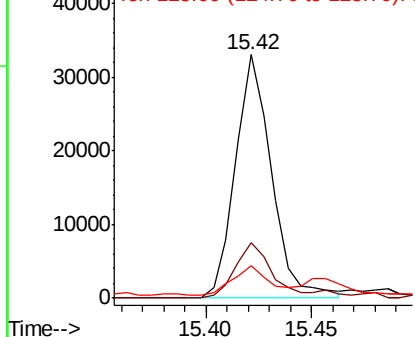


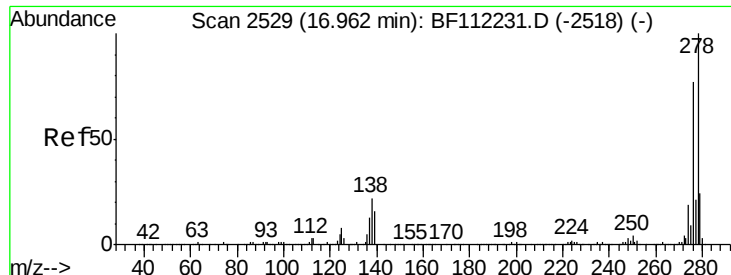
#90
Benzo(a)pyrene
Concen: 2.130 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Tgt Ion:252 Resp: 39162
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 13.3 9.0 13.4



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

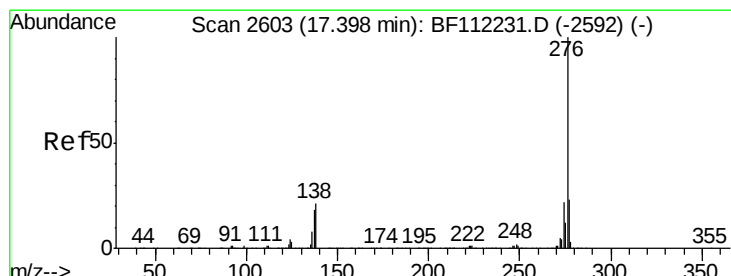
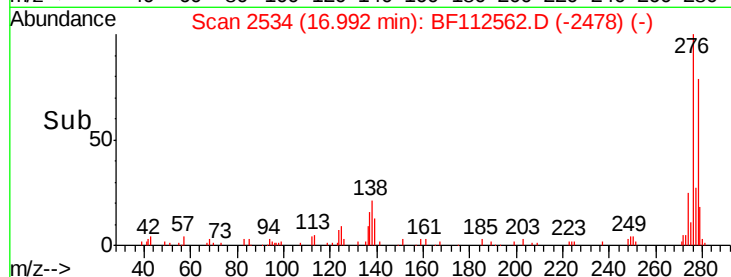
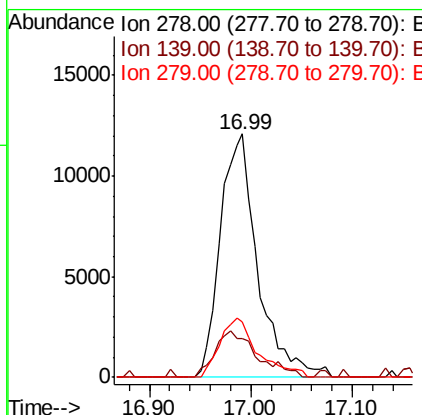
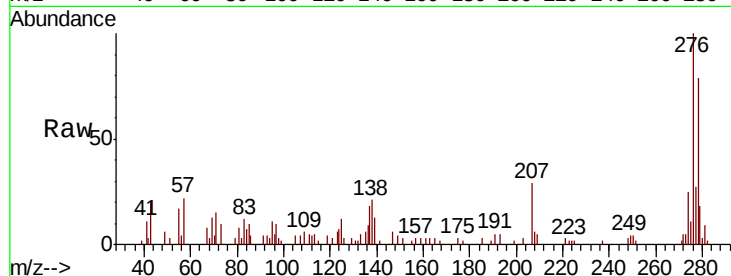




#91
Dibenzo(a,h)anthracene
Concen: 2.093 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.03 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB117100BL

Tot Ion:278 Resp: 31007
Ion Ratio Lower Upper
278 100
139 15.7 13.7 20.5
279 22.9 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 2.124 ng
RT: 17.45 min Scan# 2612
Delta R.T. 0.05 min
Lab File: BF112562.D
Acq: 14 Feb 2019 12:40

Tgt Ion:276 Resp: 29685
Ion Ratio Lower Upper
276 100
277 22.0 19.4 29.0
138 17.6 19.1 28.7#

