

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
 Data File : BF118625.D
 Acq On : 21 Jan 2020 8:31
 Operator : CG/JU
 Sample : L1148-17 20X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 21 10:01:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	404657	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1091987	20.00	ng	0.01
39) Acenaphthene-d10	9.93	164	803584	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	1094235	20.00	ng	0.01
76) Chrysene-d12	14.07	240	688256	20.00	ng	0.02
87) Perylene-d12	15.54	264	889401	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	105714	4.85	ng	0.00
7) Phenol-d6	6.50	99	144039	5.09	ng	-0.01
23) Nitrobenzene-d5	7.44	82	78930	4.04	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	30496	3.28	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	183414	3.75	ng	0.00
79) Terphenyl-d14	13.00	244	158578	5.03	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) 2-Methylphenol	7.13	107	128907	6.328	ng	99
18) Hexachloroethane	7.42	117	47871	4.595	ng	# 1
27) 2,4-Dimethylphenol	7.82	122	207337	14.085	ng	95
31) Naphthalene	8.23	128	21443651	434.708	ng	# 83
32) Benzoic acid	7.96	122	259885	23.524	ng	# 19
33) 4-Chloroaniline	8.23	127	4124000	180.879	ng	# 37
37) 2-Methylnaphthalene	8.90	142	7228802	207.610	ng	# 92
38) 1-Methylnaphthalene	8.99	142	5081479	153.613	ng	# 99
46) 1,1'-Biphenyl	9.35	154	2981394	53.832	ng	# 99
47) 2-Chloronaphthalene	9.42	162	195022	4.178	ng	# 45
49) Acenaphthylene	9.79	152	4628964	70.488	ng	# 94
51) 2,6-Dinitrotoluene	9.62	165	38502	3.284	ng	# 81
52) Acenaphthene	9.96	154	3203171	72.945	ng	98
55) Dibenzofuran	10.14	168	6188257	101.690	ng	# 89
56) 4-Nitrophenol	10.14	139	2702349	267.406	ng	# 6
57) 2,4-Dinitrotoluene	10.10	165	60425	4.088	ng	# 54
58) Fluorene	10.49	166	6453274	135.081	ng	98
62) 4-Nitroaniline	10.49	138	86654	6.311	ng	# 22
66) n-Nitrosodiphenylamine	10.59	169	133267	4.038	ng	# 20
71) Phenanthrene	11.51	178	6715579	127.212	ng	93
72) Anthracene	11.51	178	6715579	128.563	ng	92
73) Carbazole	11.65	167	3410039	71.172	ng	99
75) Fluoranthene	12.66	202	10849963	194.867	ng	92
78) Pyrene	12.73	202	2811383	60.167	ng	97
81) Benzo(a)anthracene	14.06	228	6885484	166.307	ng	# 85
83) Chrysene	14.10	228	5280535	133.078	ng	# 91
86) Indeno(1,2,3-cd)pyrene	17.04	276	2836498	82.270	ng	97
88) Benzo(b)fluoranthene	15.12	252	9672870	173.022	ng	# 92
89) Benzo(k)fluoranthene	15.12	252	9672870	186.757	ng	# 93
90) Benzo(a)pyrene	15.50	252	6078908	126.051	ng	# 93
91) Dibenzo(a,h)anthracene	17.04	278	821687	19.262	ng	92
92) Benzo(a,h,i)perylene	17.49	276	2450249	59.158	ng	97

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 20 14:45:03 2020
Response via : Initial Calibration

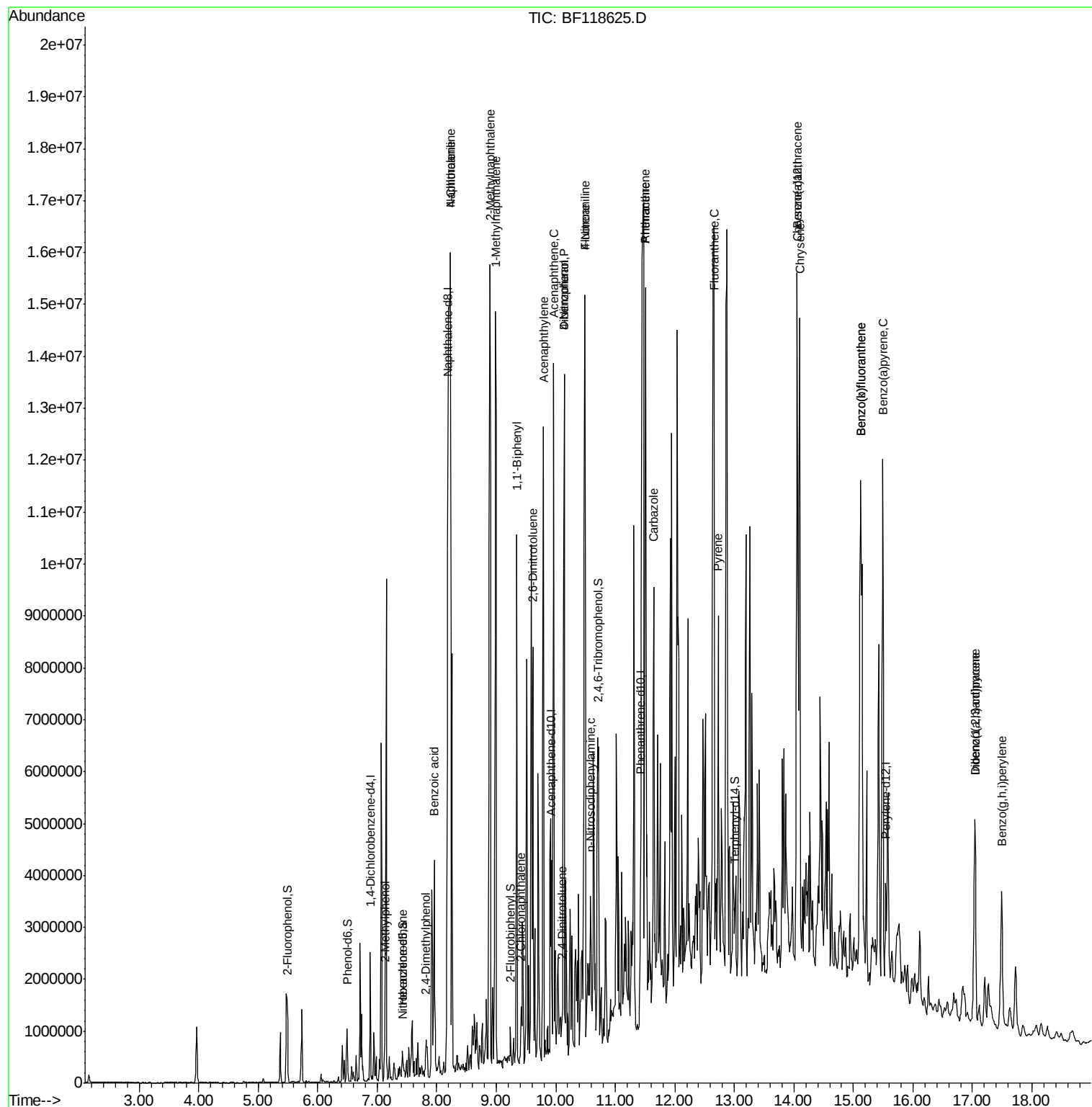
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

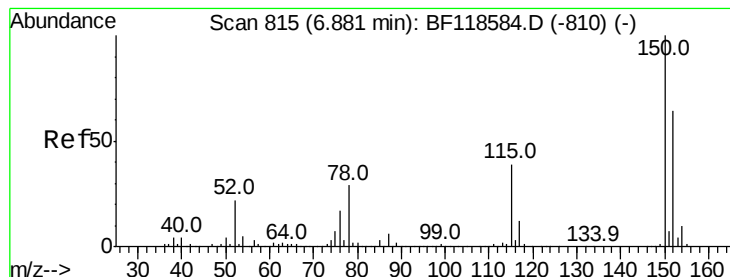
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Misc :
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Instrument :
BNA_F
ClientSampled :

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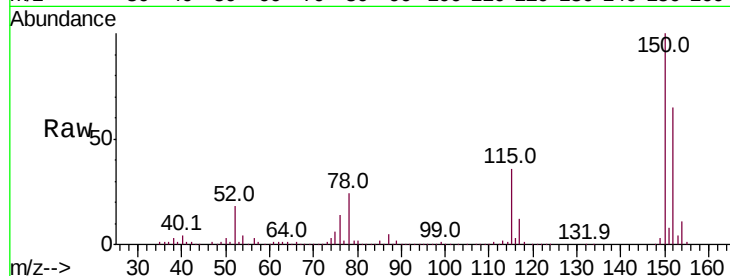


#1

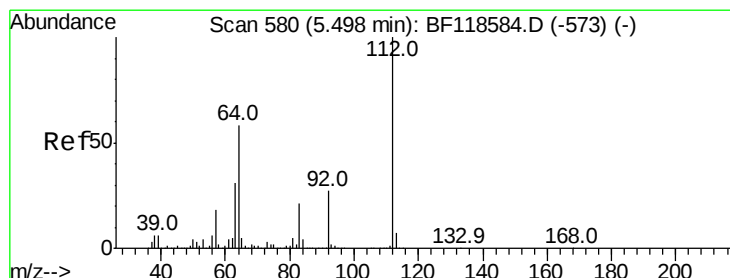
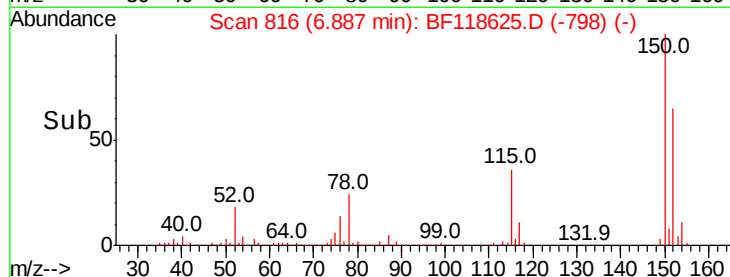
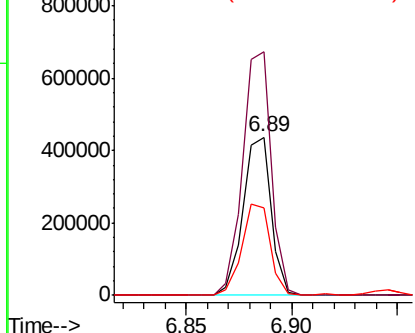
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF118625.D
Acq: 21 Jan 2020 8:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	125.6	188.4
115	55.4	48.4	72.6



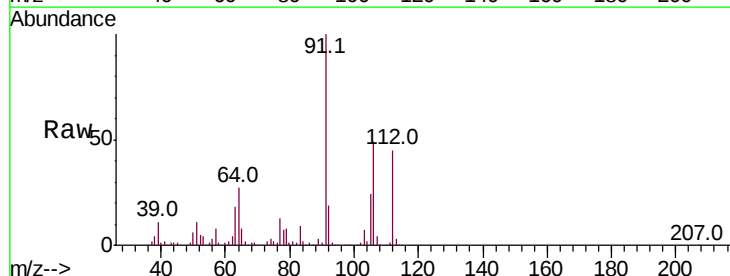
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



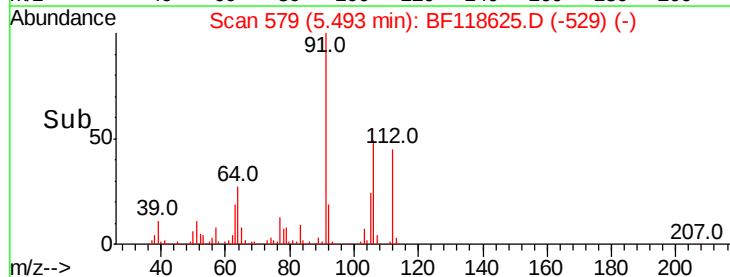
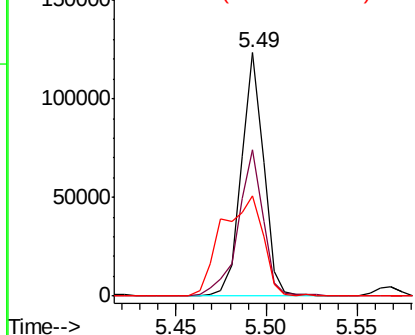
#5

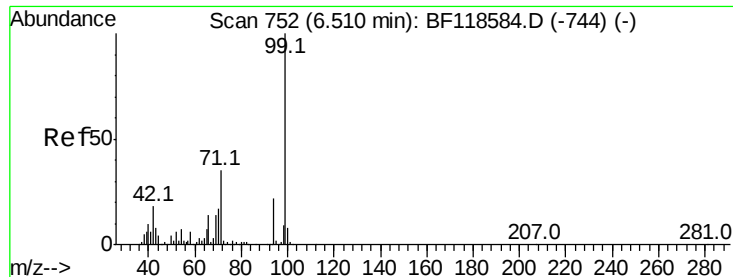
2-Fluorophenol
Concen: 4.852 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF118625.D
Acq: 21 Jan 2020 8:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	46.6	70.0
63	41.0	25.1	37.7



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





#7

Phenol-d6

Concen: 5.086 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

Instrument :

BNA_F

ClientSampleId :

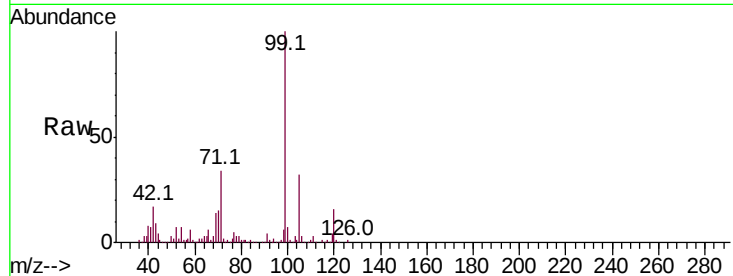
Tot Ion: 99 Resp: 144039

Ion Ratio Lower Upper

99 100

42 16.9 14.2 21.2

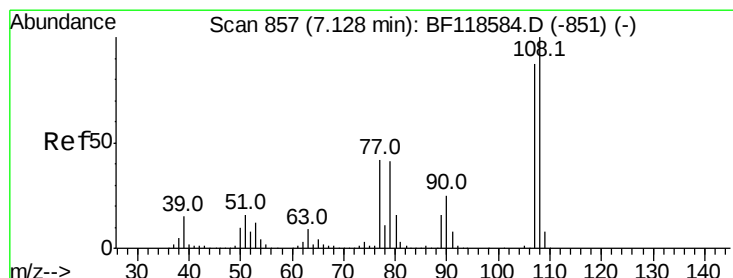
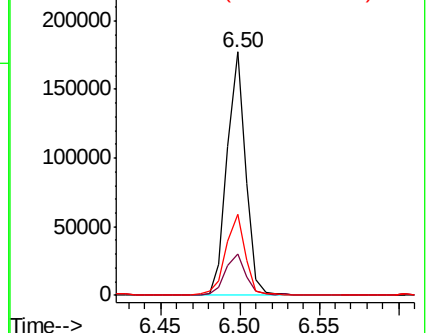
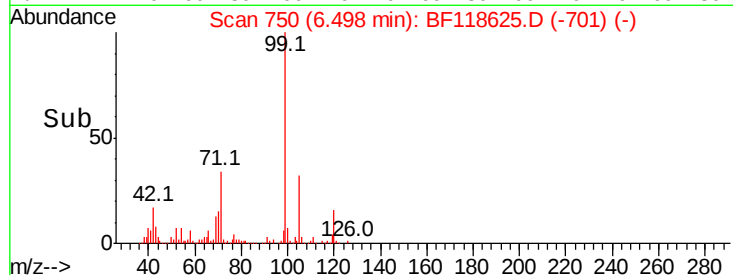
71 33.5 27.8 41.6



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



#17

2-Methylphenol

Concen: 6.328 ng

RT: 7.13 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

Tgt Ion: 107 Resp: 128907

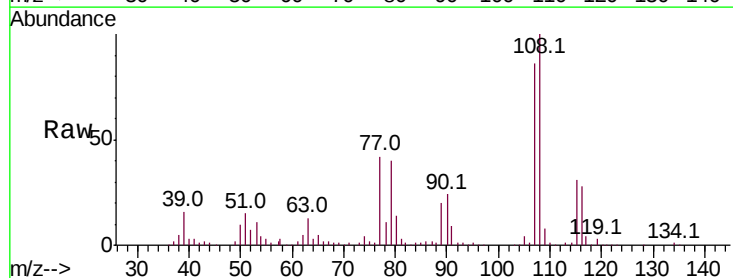
Ion Ratio Lower Upper

107 100

108 115.8 91.5 137.3

77 48.4 38.7 58.1

79 46.2 37.7 56.5

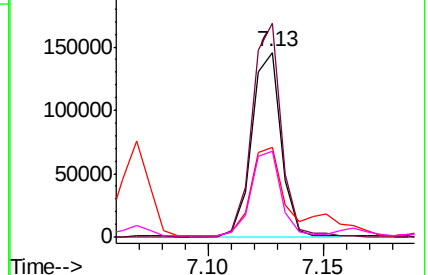
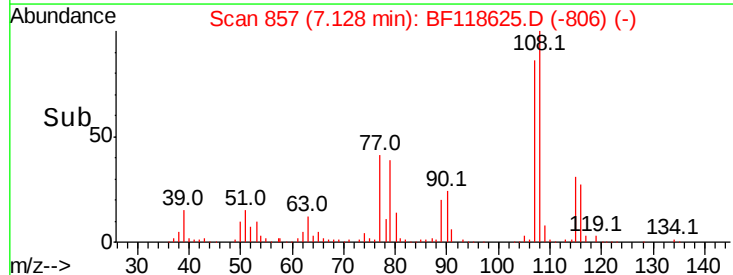


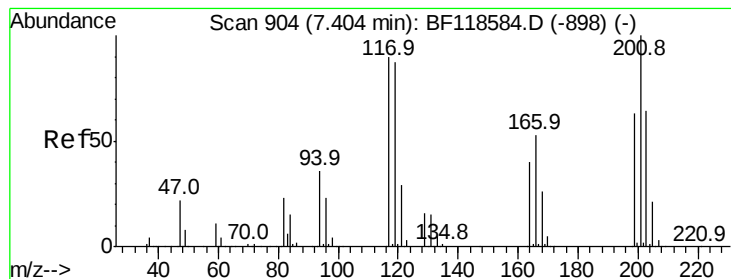
Abundance Ion 107.00 (106.70 to 107.70): E

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: 4.595 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.02 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

Instrument :

BNA_F

ClientSampleId :

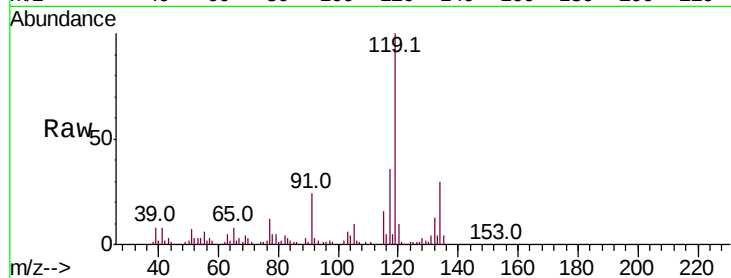
Tot Ion:117 Resp: 47871

Ion Ratio Lower Upper

117 100

119 278.9 77.6 116.4#

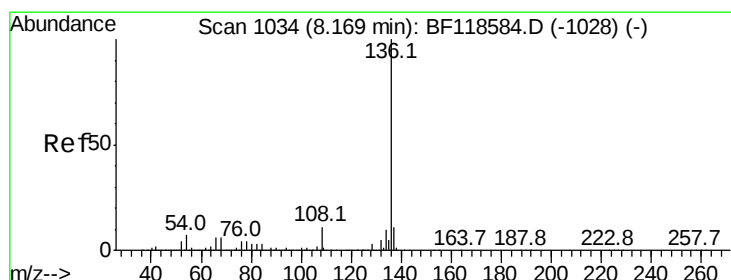
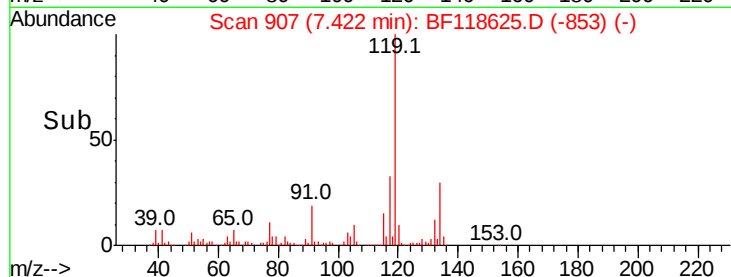
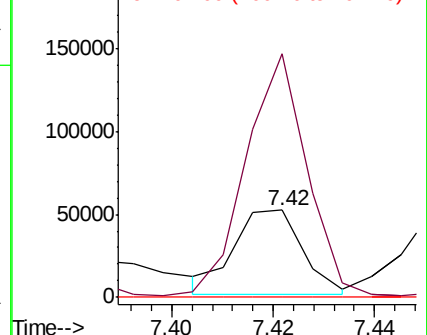
201 0.0 88.8 133.2#



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.01 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

Tgt Ion:136 Resp: 1091987

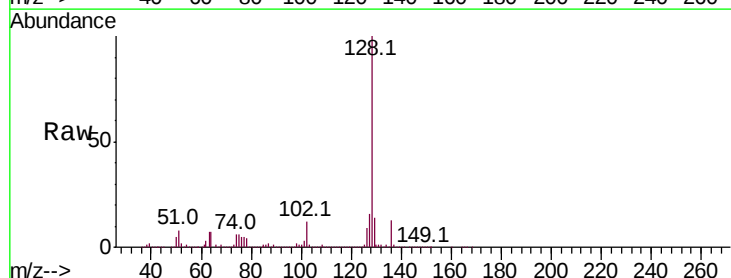
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.6 5.8 8.6

68 6.3 5.0 7.4

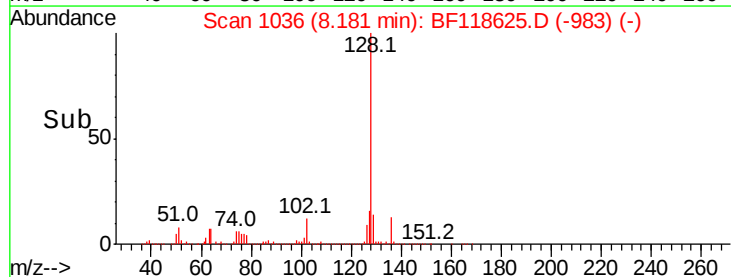
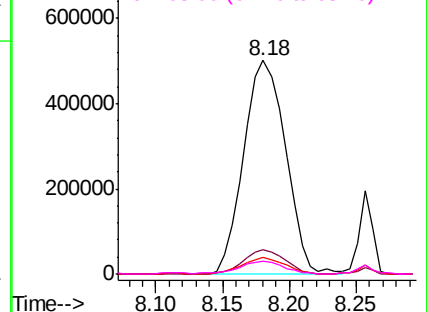


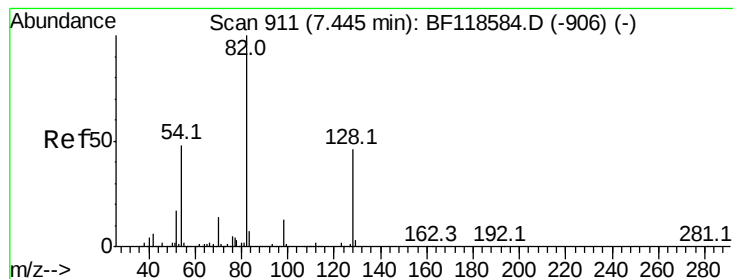
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 4.043 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

Instrument :

BNA_F

ClientSampleId :

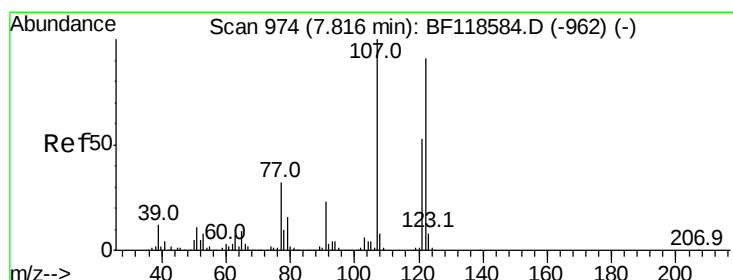
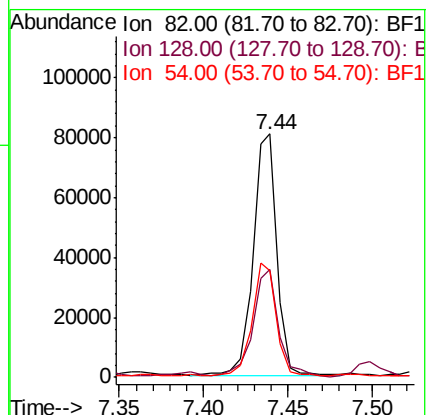
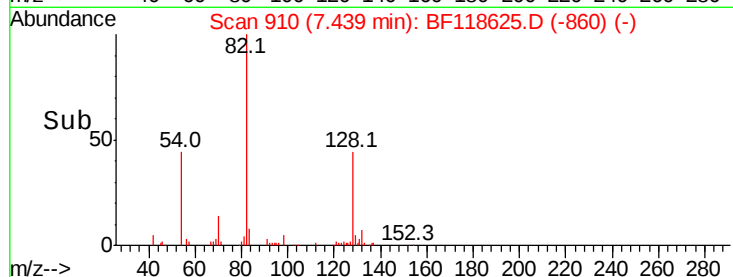
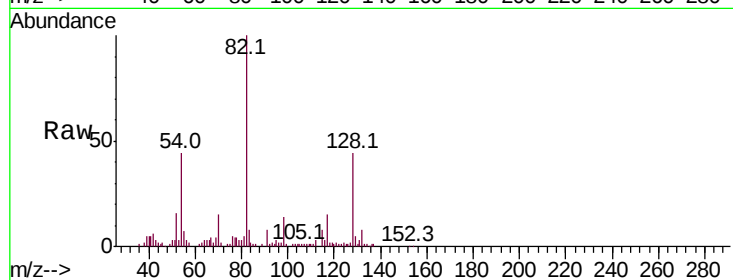
Tot Ion: 82 Resp: 78930

Ion Ratio Lower Upper

82 100

128 44.4 36.6 54.8

54 43.6 38.0 57.0



#27

2,4-Dimethylphenol

Concen: 14.085 ng

RT: 7.82 min Scan# 975

Delta R.T. 0.01 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

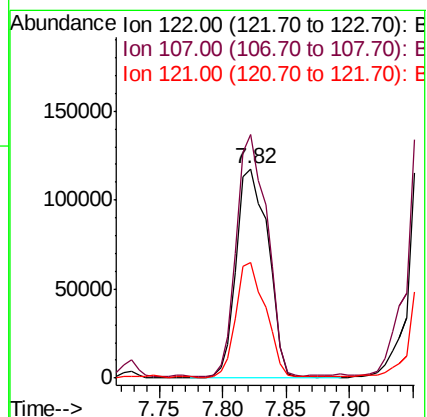
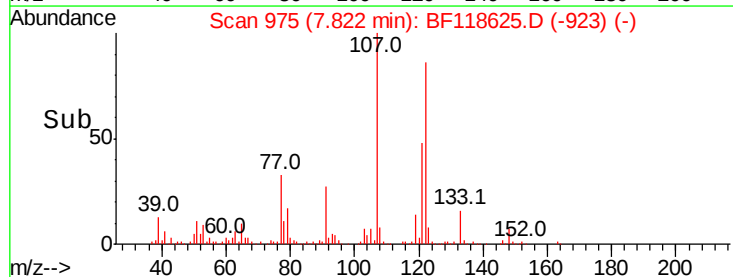
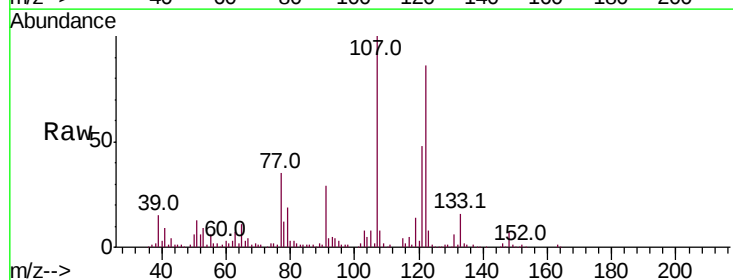
Tgt Ion: 122 Resp: 207337

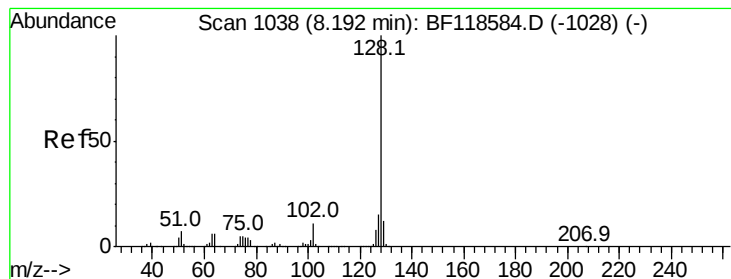
Ion Ratio Lower Upper

122 100

107 116.4 88.0 132.0

121 55.3 46.3 69.5





#31

Naphthalene

Concen: 434.708 ng

RT: 8.23 min Scan# 1045

Delta R.T. 0.04 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

Instrument :

BNA_F

ClientSampleId :

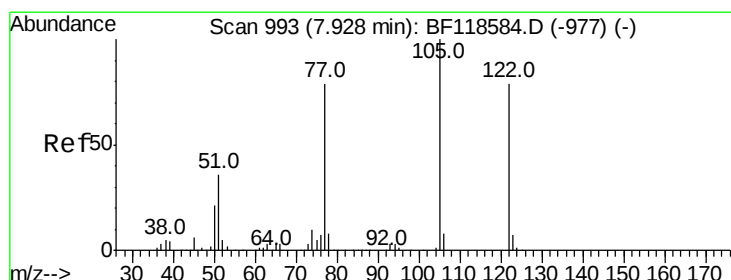
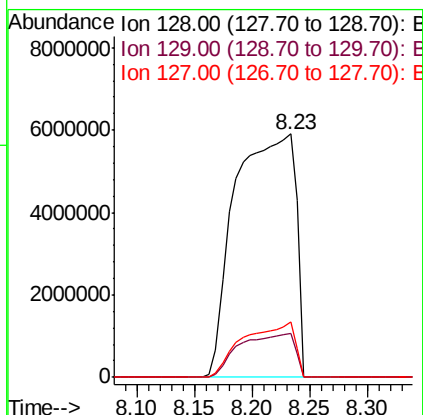
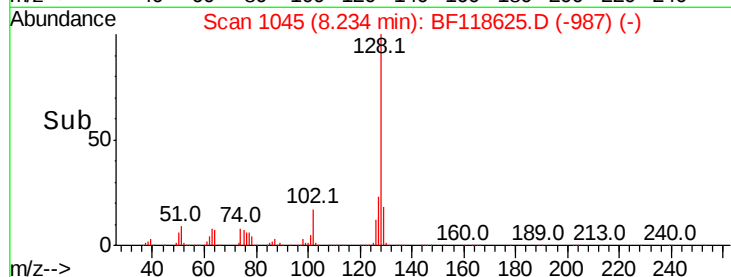
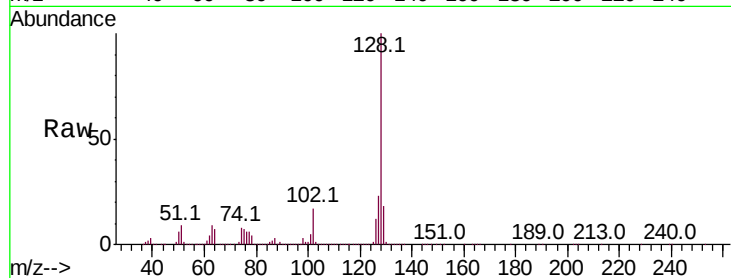
Tot Ion:128 Resp:21443651

Ion Ratio Lower Upper

128 100

129 18.2 9.9 14.9#

127 22.6 12.0 18.0#



#32

Benzoic acid

Concen: 23.524 ng

RT: 7.96 min Scan# 998

Delta R.T. 0.03 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

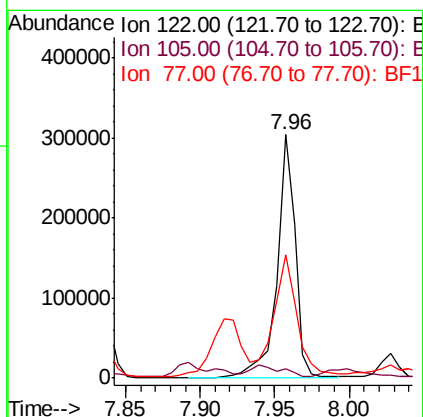
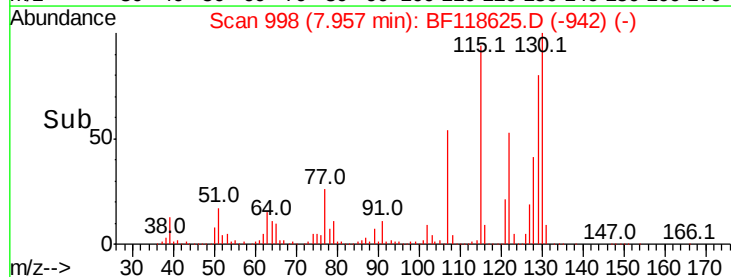
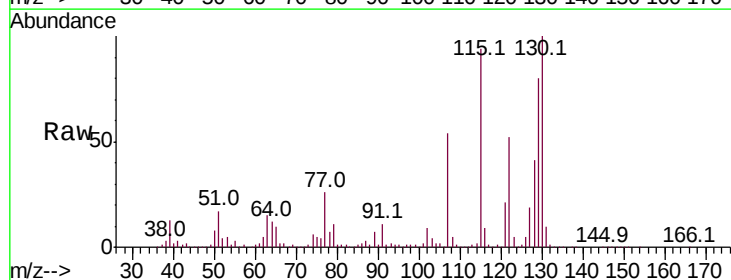
Tgt Ion:122 Resp: 259885

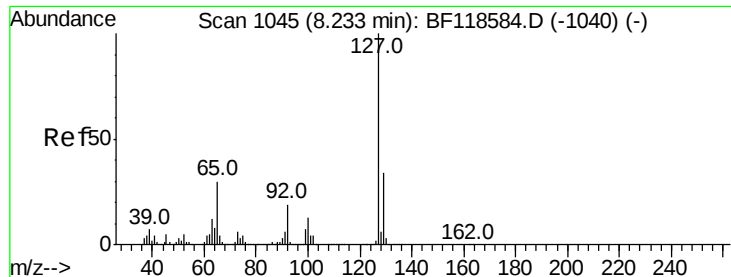
Ion Ratio Lower Upper

122 100

105 4.1 104.3 144.3#

77 50.6 79.4 119.4#

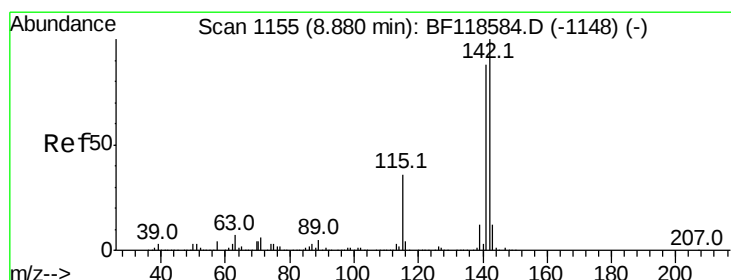
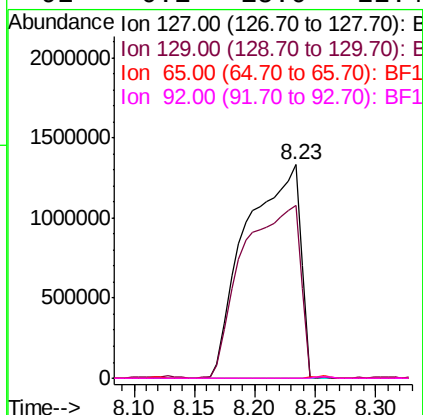
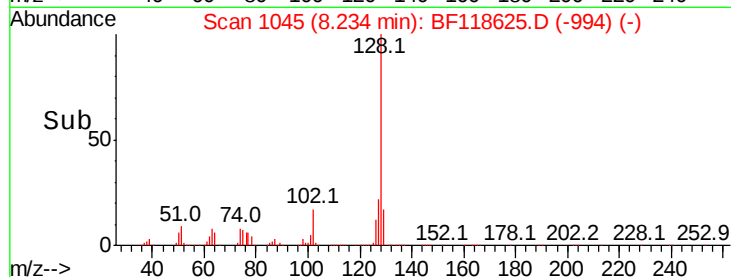
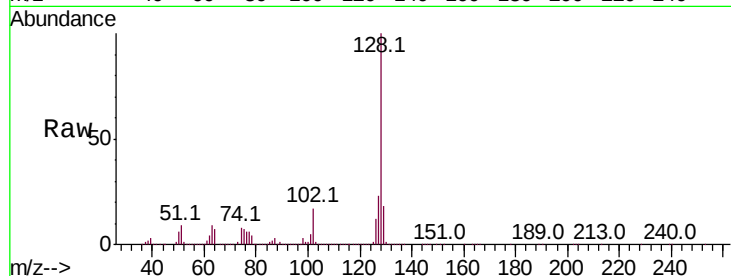




#33
4-Chloroaniline
Concen: 180.879 ng
RT: 8.23 min Scan# 1045
Delta R.T. 0.00 min
Lab File: BF118625.D
Acq: 21 Jan 2020 8:31

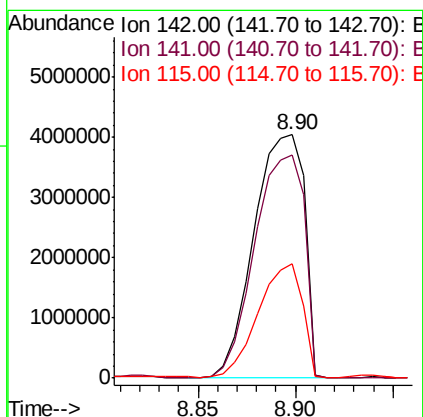
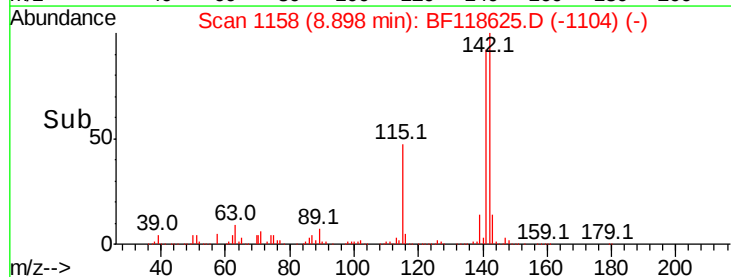
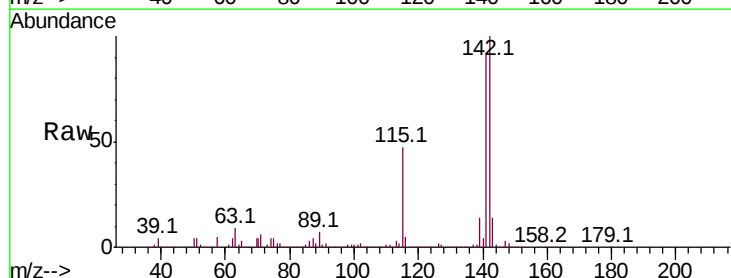
Instrument :
BNA_F
ClientSampleId :

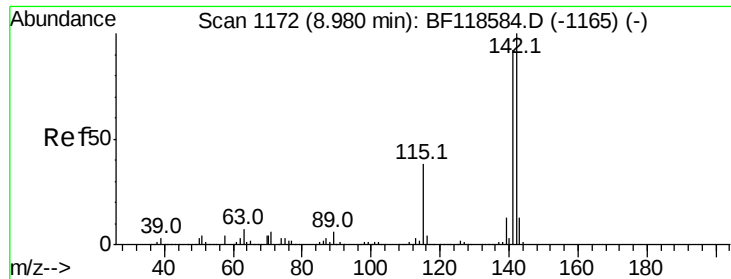
Tot Ion:127 Resp: 4124000
Ion Ratio Lower Upper
127 100
129 80.7 27.4 41.0#
65 0.0 23.6 35.4#
92 0.1 15.0 22.4#



#37
2-Methylnaphthalene
Concen: 207.610 ng
RT: 8.90 min Scan# 1158
Delta R.T. 0.02 min
Lab File: BF118625.D
Acq: 21 Jan 2020 8:31

Tgt Ion:142 Resp: 7228802
Ion Ratio Lower Upper
142 100
141 91.6 70.7 106.1
115 46.8 28.5 42.7#

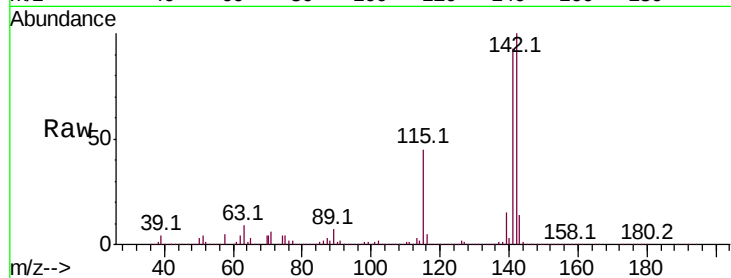




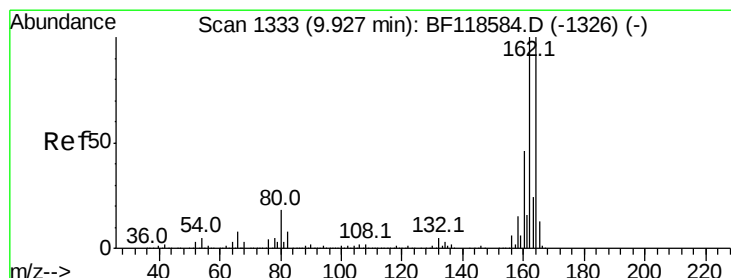
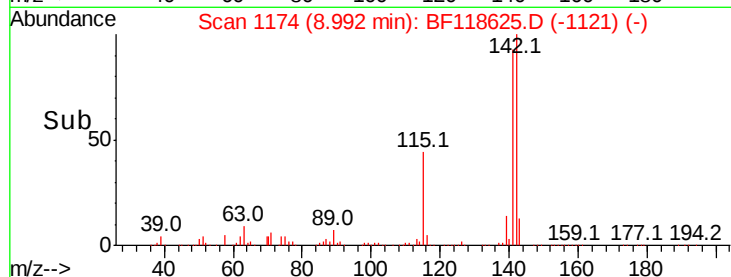
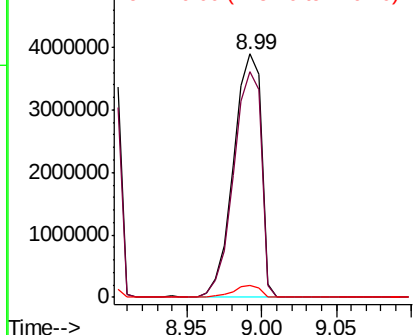
#38
1-Methylnaphthalene
Concen: 153.613 ng
RT: 8.99 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF118625.D
Acq: 21 Jan 2020 8:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 5081479
Ion Ratio Lower Upper
142 100
141 92.9 73.4 110.2
116 5.1 3.3 4.9#

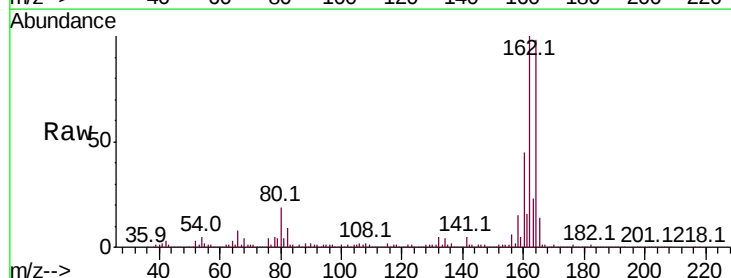


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

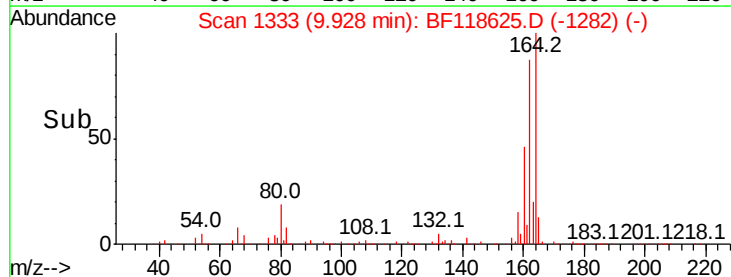
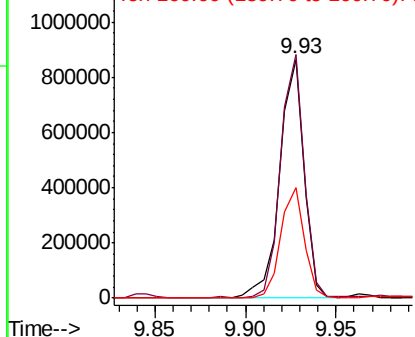


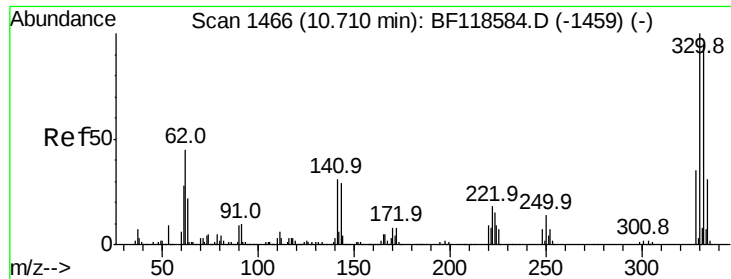
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BF118625.D
Acq: 21 Jan 2020 8:31

Tgt Ion:164 Resp: 803584
Ion Ratio Lower Upper
164 100
162 101.8 80.4 120.6
160 46.3 36.6 55.0



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

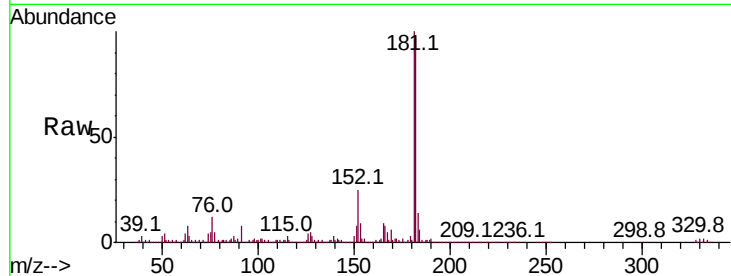




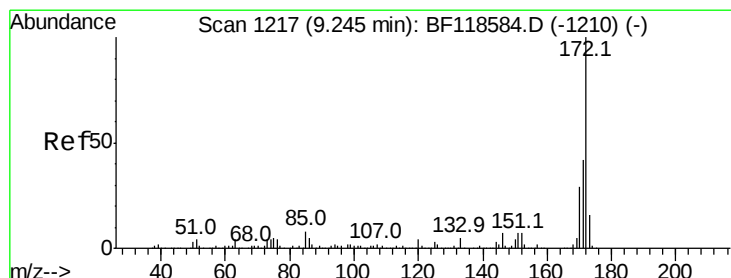
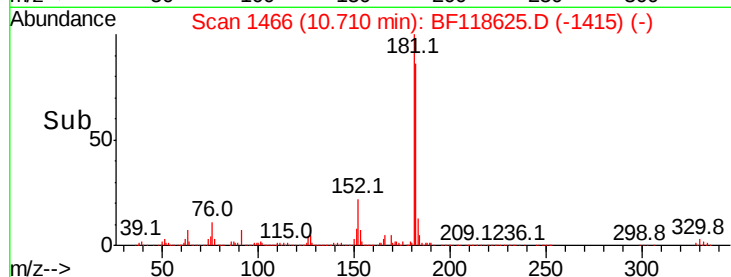
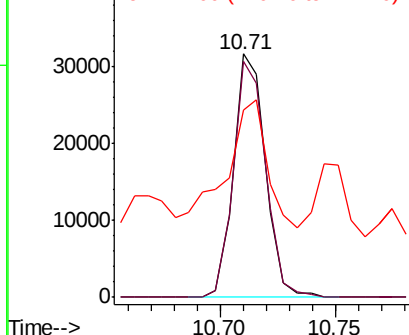
#42
 2,4,6-Tribromophenol
 Concen: 3.281 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF118625.D
 Acq: 21 Jan 2020 8:31

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 30496
 Ion Ratio Lower Upper
 330 100
 332 98.0 76.2 114.4
 141 66.7 23.9 35.9#

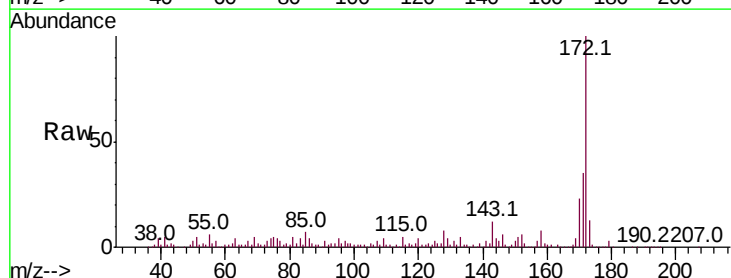


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

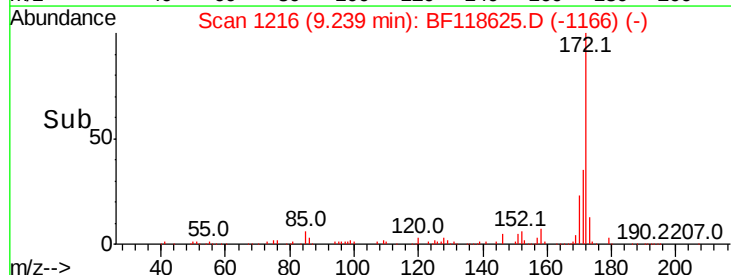
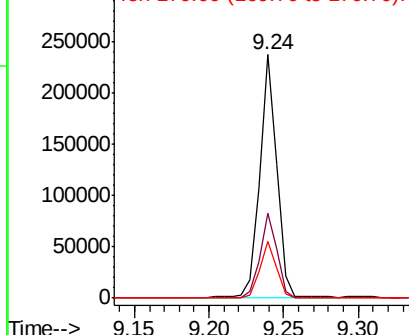


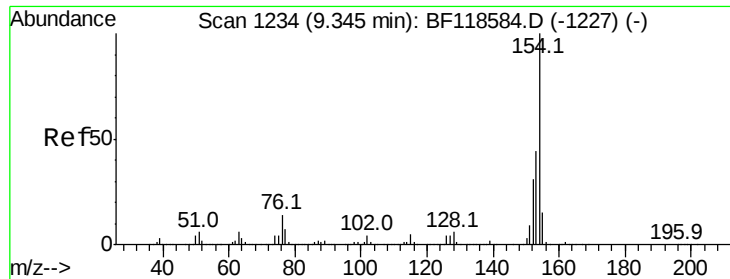
#45
 2-Fluorobiphenyl
 Concen: 3.751 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF118625.D
 Acq: 21 Jan 2020 8:31

Tgt Ion:172 Resp: 183414
 Ion Ratio Lower Upper
 172 100
 171 35.1 33.4 50.2
 170 23.3 23.2 34.8



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

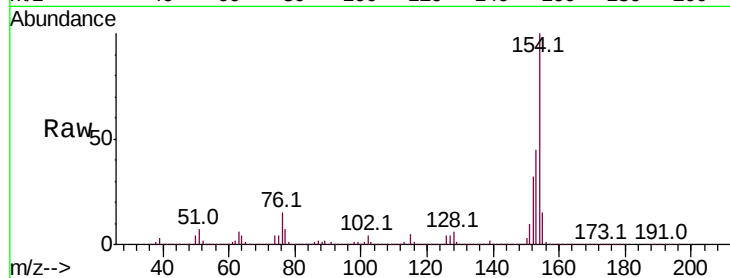




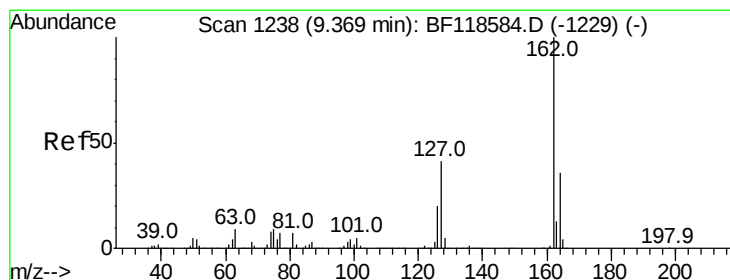
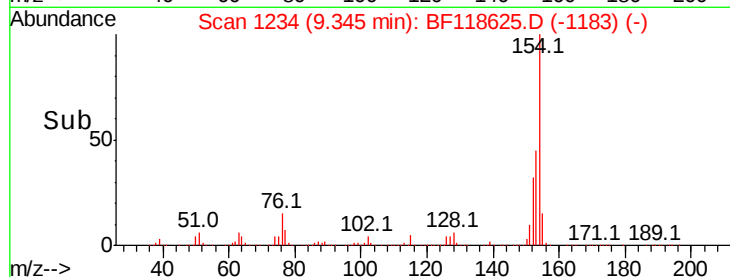
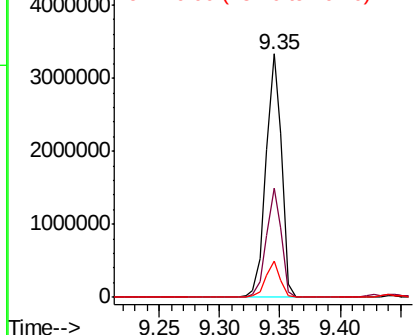
#46
1,1'-Biphenyl
Concen: 53.832 ng
RT: 9.35 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BF118625.D
Acq: 21 Jan 2020 8:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:154 Resp: 2981394
Ion Ratio Lower Upper
154 100
153 44.7 23.8 63.8
76 15.1 0.0 34.3

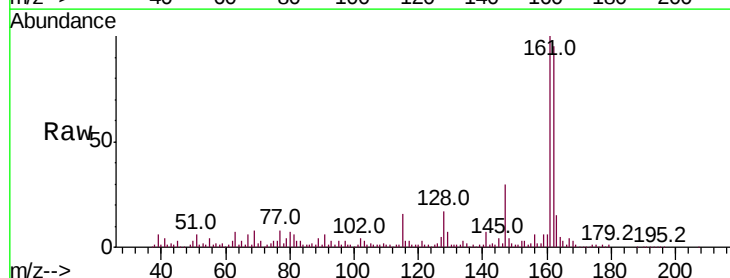


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

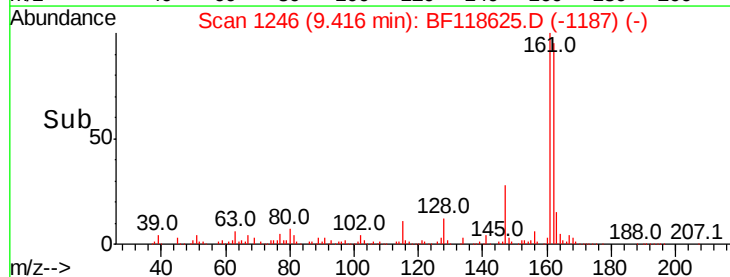
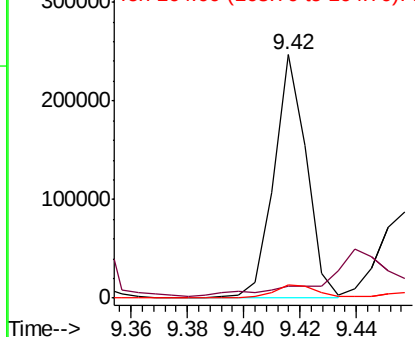


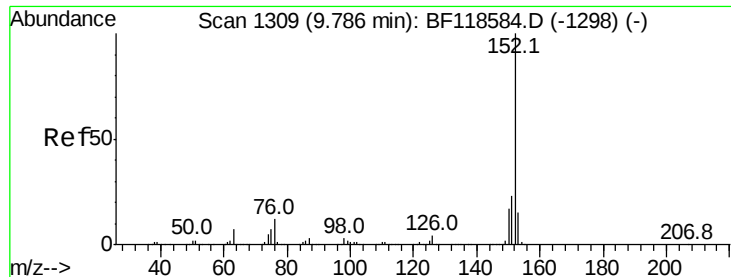
#47
2-Chloronaphthalene
Concen: 4.178 ng
RT: 9.42 min Scan# 1246
Delta R.T. 0.05 min
Lab File: BF118625.D
Acq: 21 Jan 2020 8:31

Tgt Ion:162 Resp: 195022
Ion Ratio Lower Upper
162 100
127 4.8 33.0 49.6#
164 5.4 28.6 42.8#



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





#49

Acenaphthylene

Concen: 70.488 ng

RT: 9.79 min Scan# 1310

Delta R.T. 0.01 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

Instrument :

BNA_F

ClientSampleId :

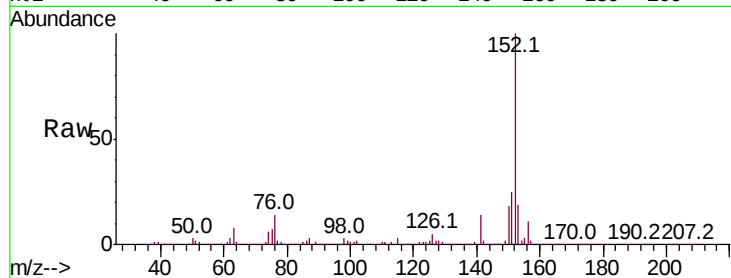
Tot Ion:152 Resp: 4628964

Ion Ratio Lower Upper

152 100

151 25.2 18.6 27.8

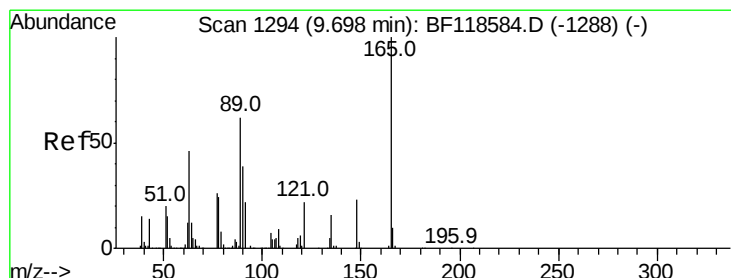
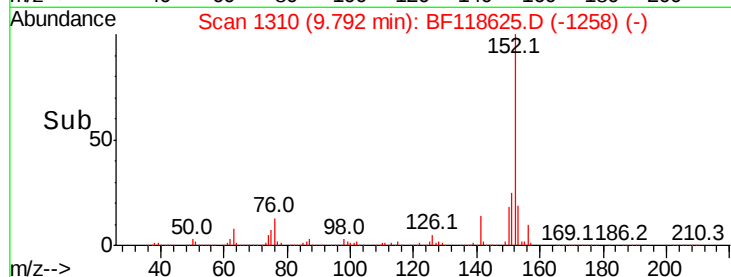
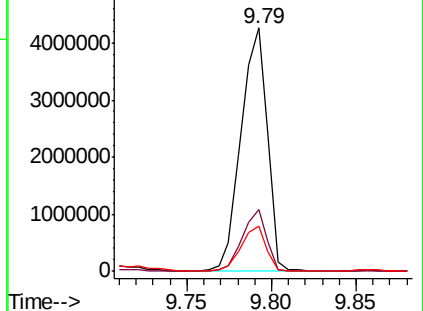
153 18.6 12.2 18.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

2,6-Dinitrotoluene

Concen: 3.284 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.08 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

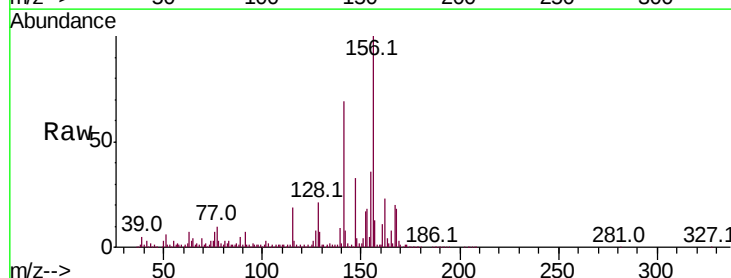
Tgt Ion:165 Resp: 38502

Ion Ratio Lower Upper

165 100

63 82.8 48.9 73.3#

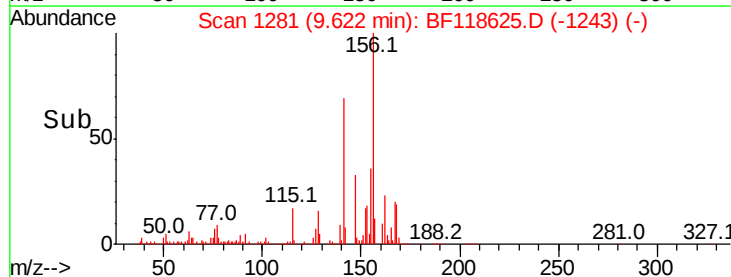
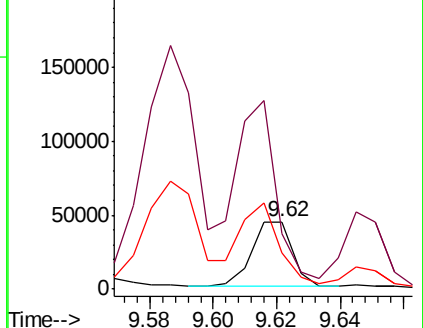
89 54.4 49.8 74.6

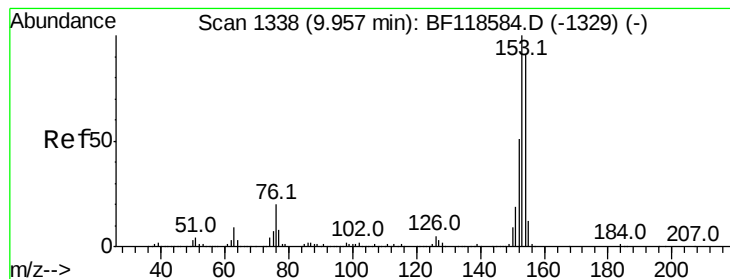


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 72.945 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.01 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

Instrument :

BNA_F

ClientSampleId :

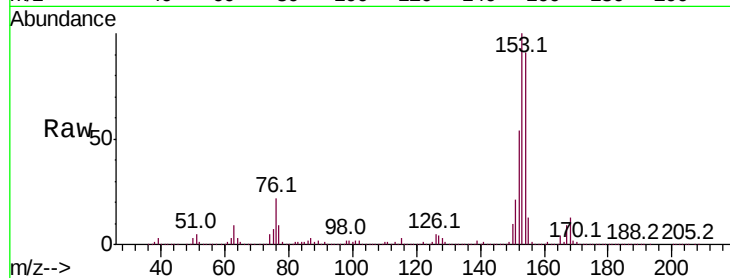
Tot Ion:154 Resp: 3203171

Ion Ratio Lower Upper

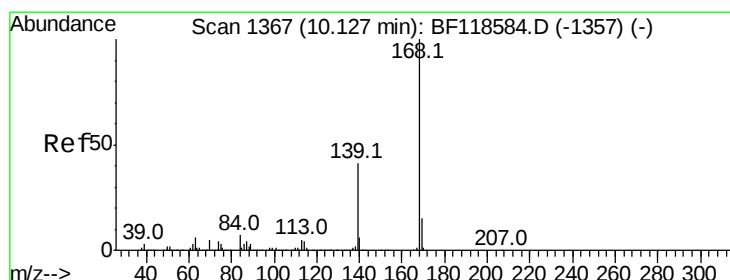
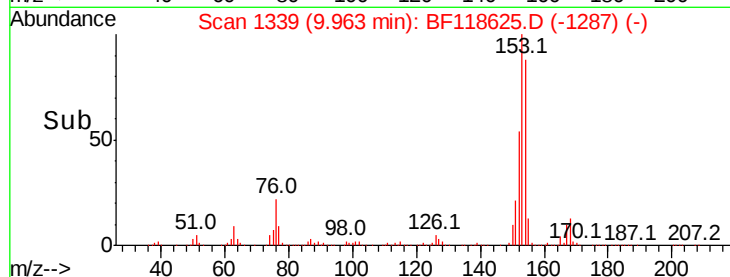
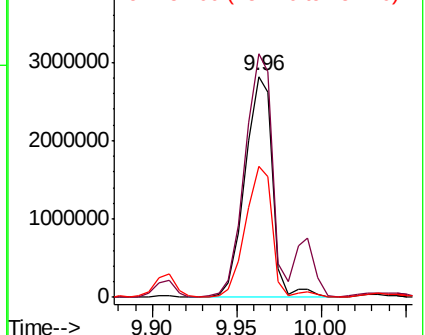
154 100

153 110.3 87.6 131.4

152 59.6 44.4 66.6



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: 101.690 ng

RT: 10.14 min Scan# 1369

Delta R.T. 0.01 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

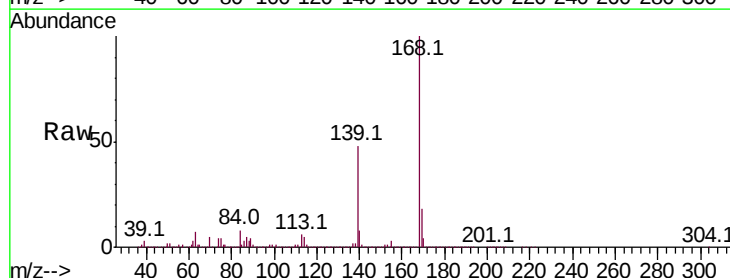
Tgt Ion:168 Resp: 6188257

Ion Ratio Lower Upper

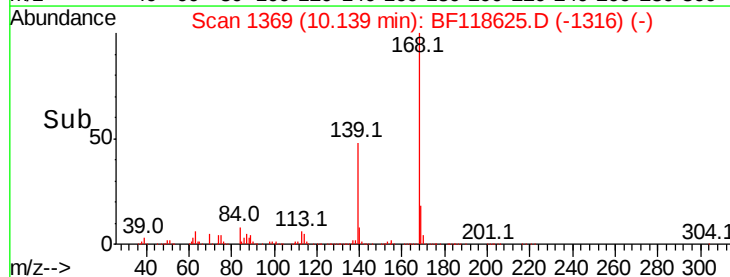
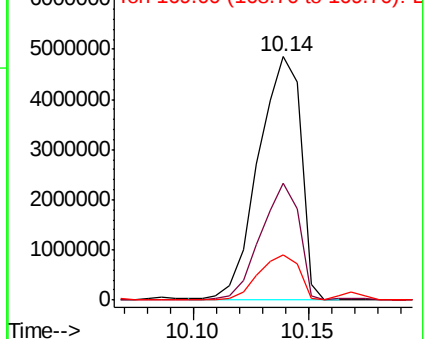
168 100

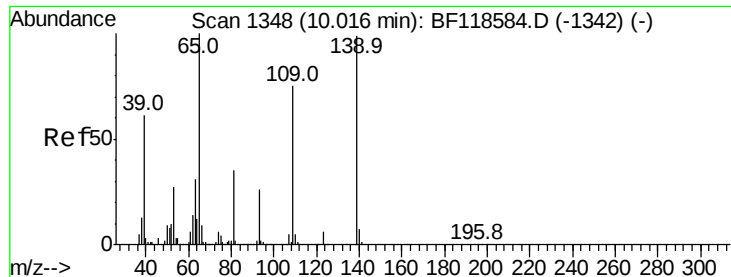
139 48.2 32.7 49.1

169 18.5 12.2 18.2#



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: 267.406 ng

RT: 10.14 min Scan# 1369

Delta R.T. 0.12 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

Instrument :

BNA_F

ClientSampleId :

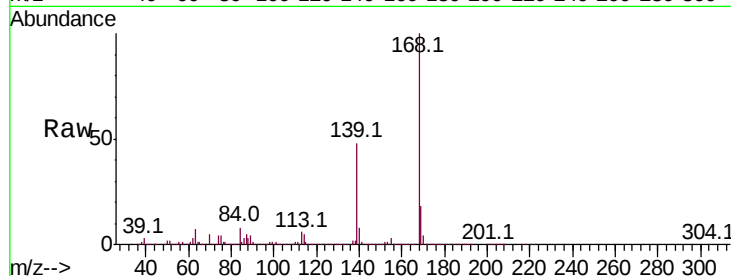
Tot Ion:139 Resp: 2702349

Ion Ratio Lower Upper

139 100

109 1.0 56.0 96.0#

65 1.5 81.4 121.4#

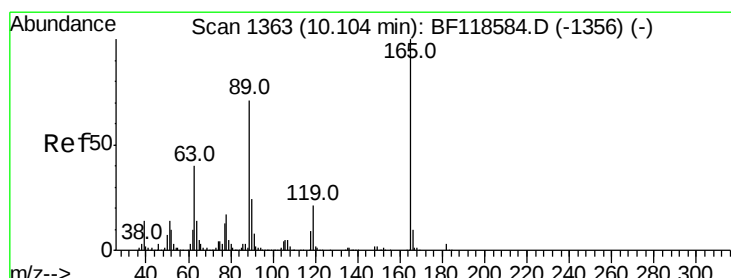
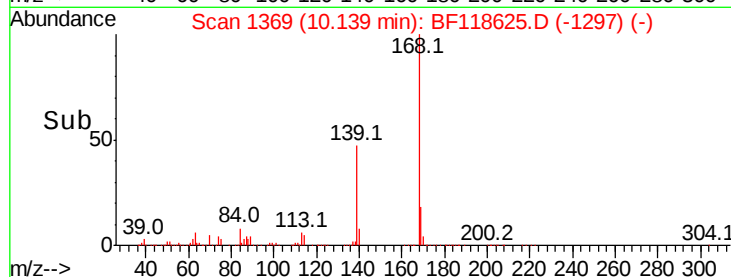
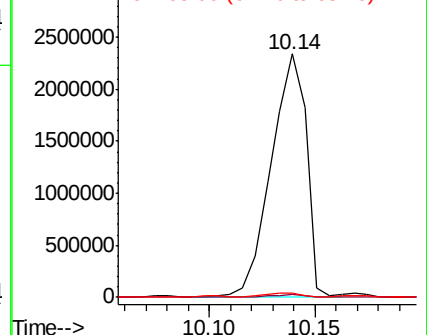


Abundance

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: 4.088 ng

RT: 10.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

Tgt Ion:165 Resp: 60425

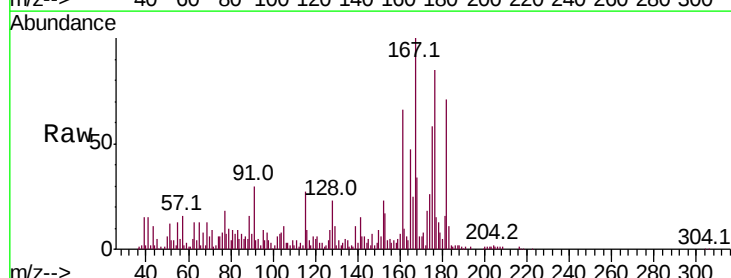
Ion Ratio Lower Upper

165 100

63 28.1 32.4 48.6#

89 34.3 56.4 84.6#

182 150.7 2.3 3.5#



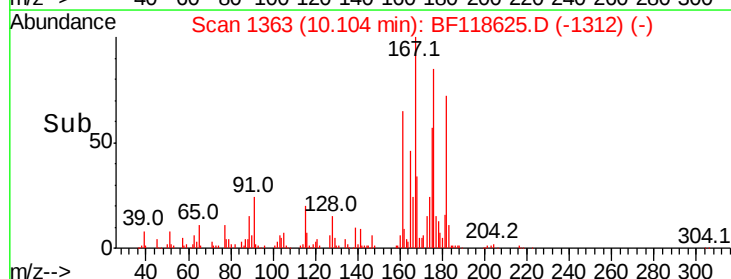
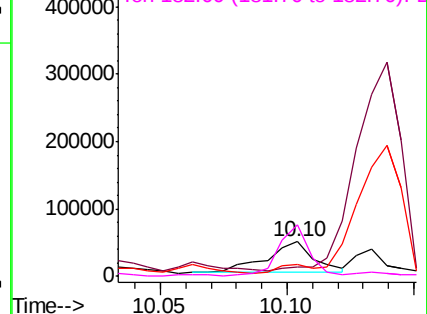
Abundance

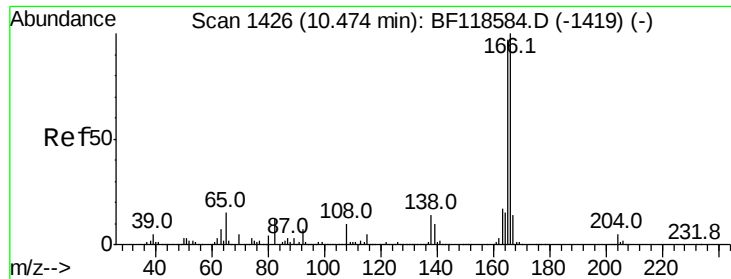
Ion 165.00 (164.70 to 165.70): E

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

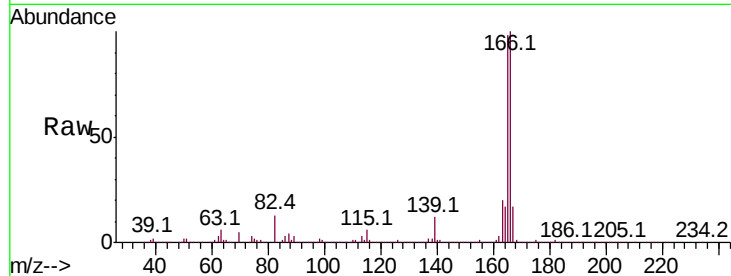




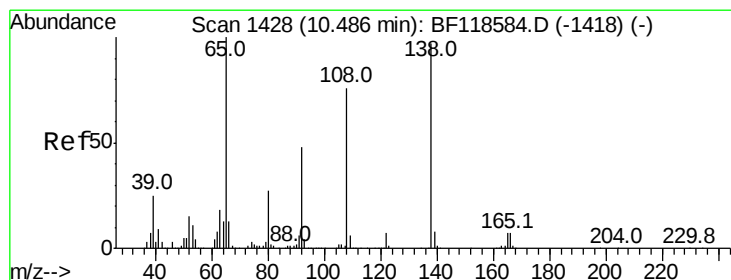
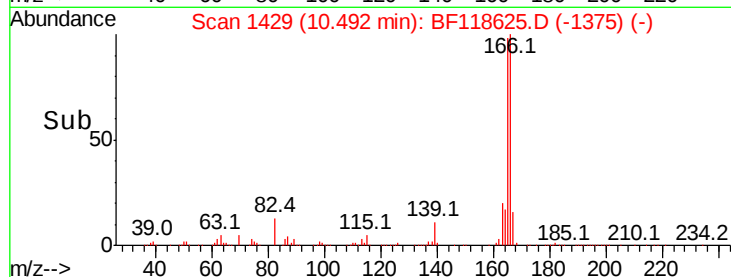
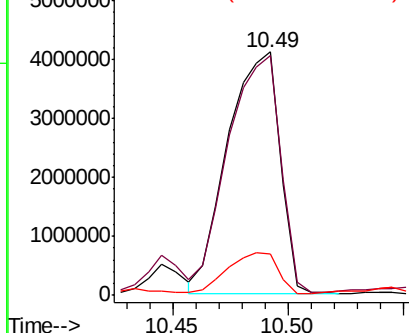
#58
 Fluorene
 Concen: 135.081 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.02 min
 Lab File: BF118625.D
 Acq: 21 Jan 2020 8:31

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:166 Resp: 6453274
 Ion Ratio Lower Upper
 166 100
 165 98.3 77.3 115.9
 167 17.2 11.5 17.3

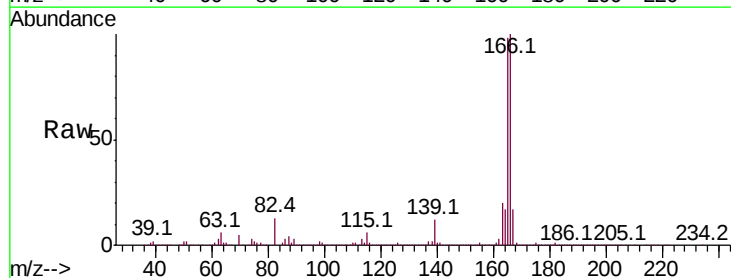


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

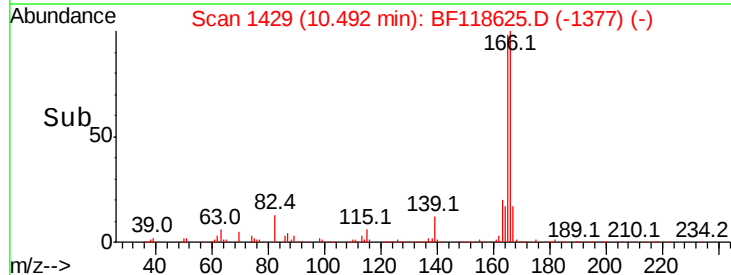
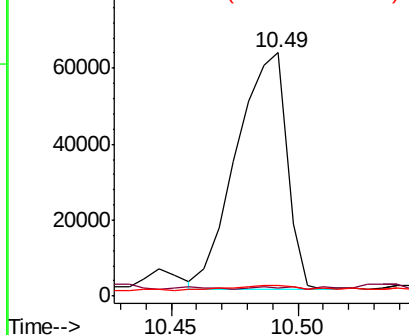


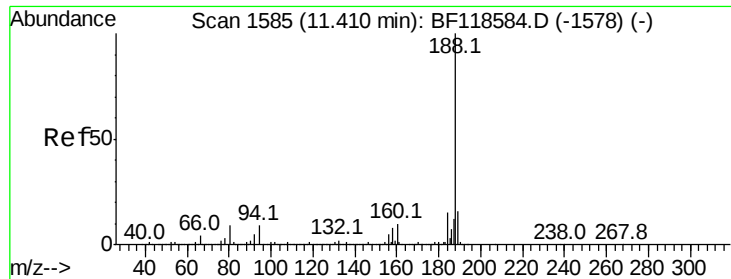
#62
 4-Nitroaniline
 Concen: 6.311 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.01 min
 Lab File: BF118625.D
 Acq: 21 Jan 2020 8:31

Tgt Ion:138 Resp: 86654
 Ion Ratio Lower Upper
 138 100
 92 3.3 29.4 69.4#
 108 4.3 58.2 98.2#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

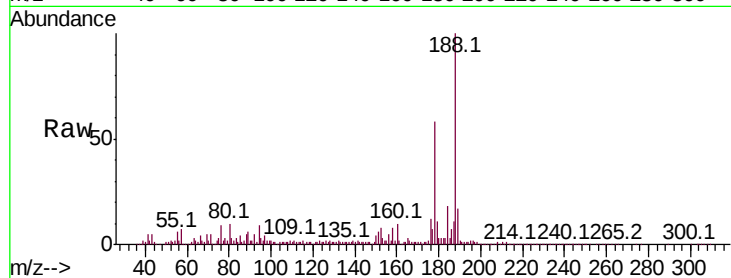
Instrument :

BNA_F

ClientSampleId :

Tot Ion:188 Resp: 1094235

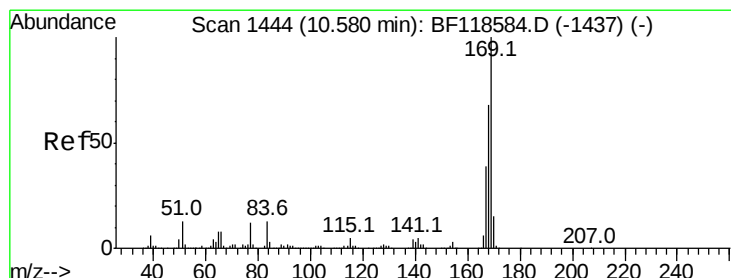
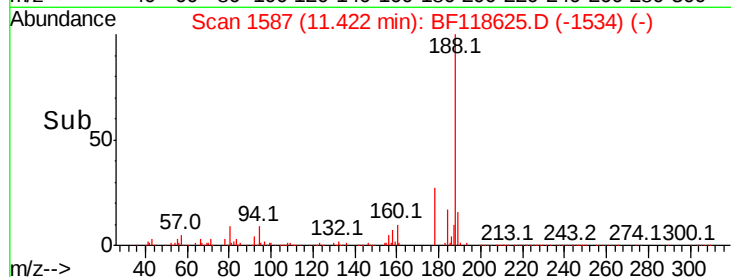
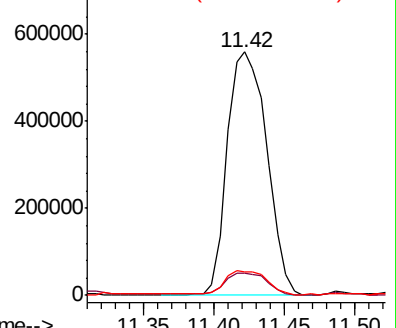
Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.1	10.7
80	9.8	7.5	11.3



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



#66

n-Nitrosodiphenylamine

Concen: 4.038 ng

RT: 10.59 min Scan# 1445

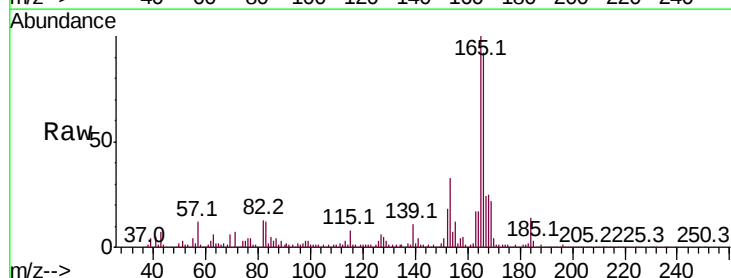
Delta R.T. 0.01 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

Tgt Ion:169 Resp: 133267

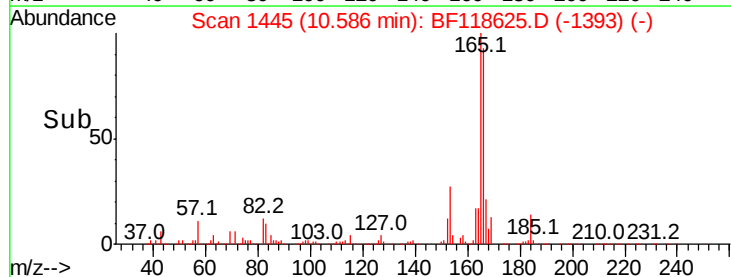
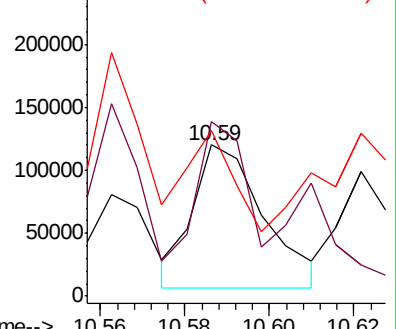
Ion	Ratio	Lower	Upper
169	100		
168	115.8	54.6	82.0#
167	109.5	30.9	46.3#

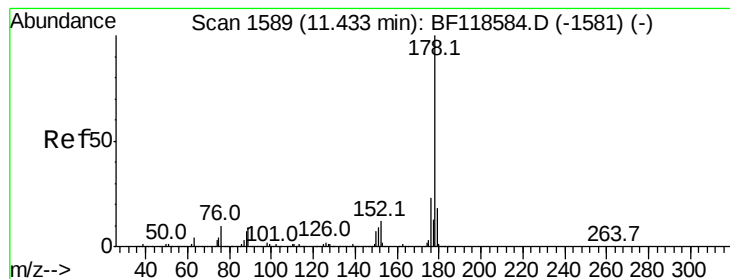


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#71

Phenanthrene

Concen: 127.212 ng

RT: 11.51 min Scan# 1602

Delta R.T. 0.08 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

Instrument :

BNA_F

ClientSampleId :

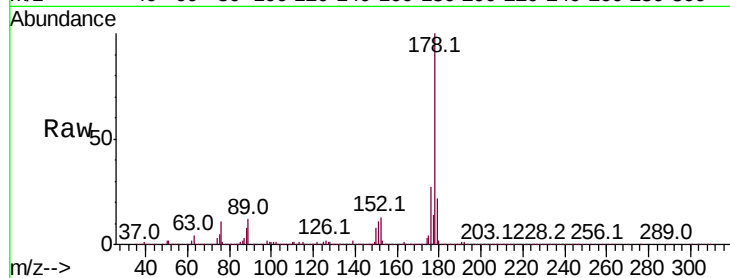
Tot Ion:178 Resp: 6715579

Ion Ratio Lower Upper

178 100

176 26.6 18.6 27.8

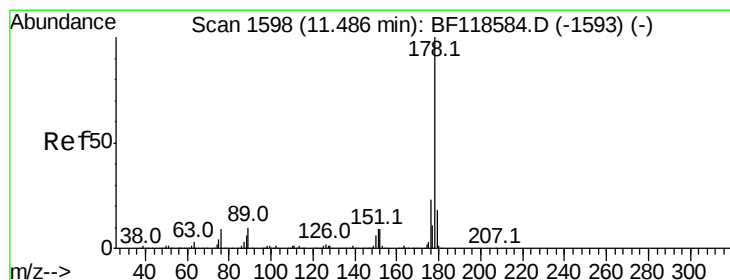
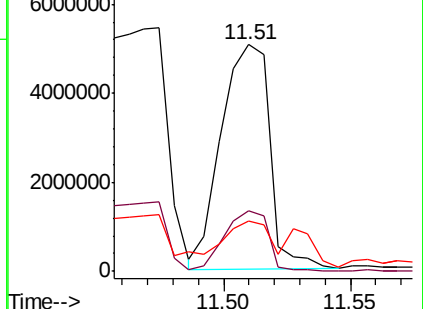
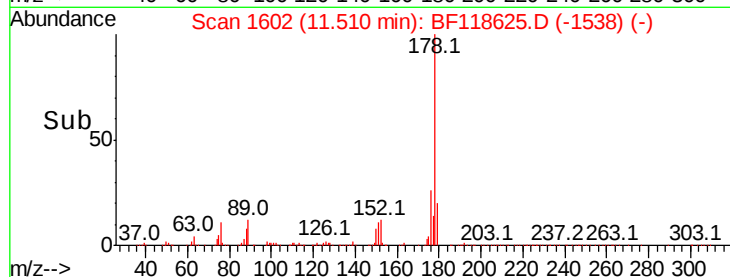
179 22.0 14.7 22.1



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: 128.563 ng

RT: 11.51 min Scan# 1602

Delta R.T. 0.02 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

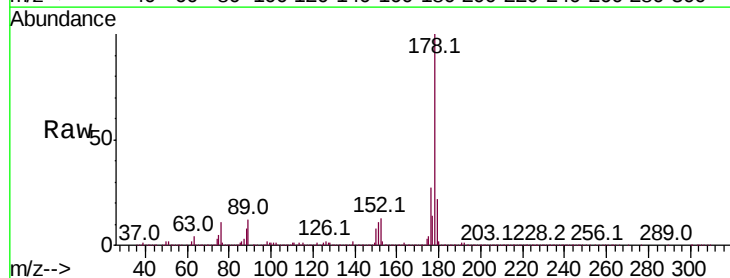
Tgt Ion:178 Resp: 6715579

Ion Ratio Lower Upper

178 100

176 26.6 18.0 27.0

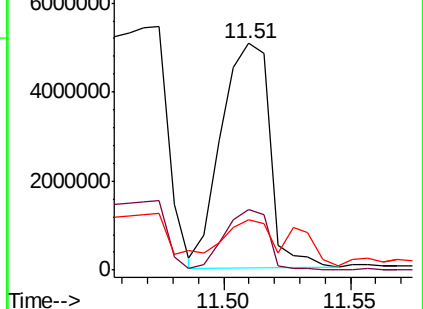
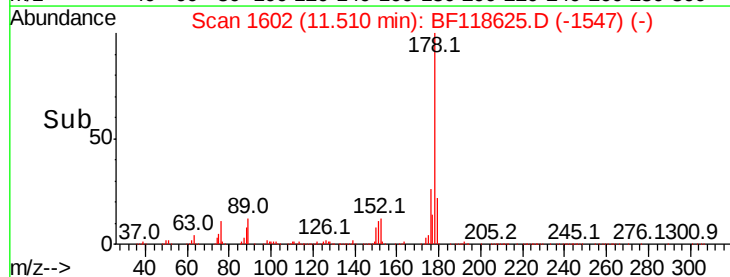
179 22.0 14.7 22.1

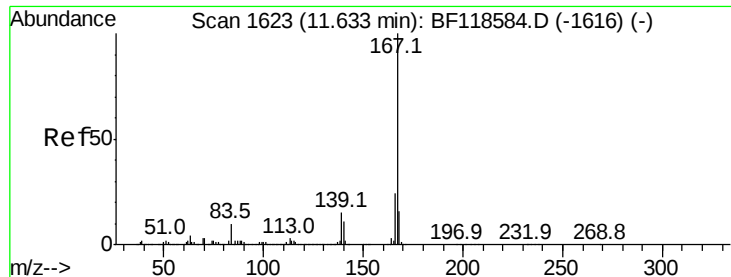


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

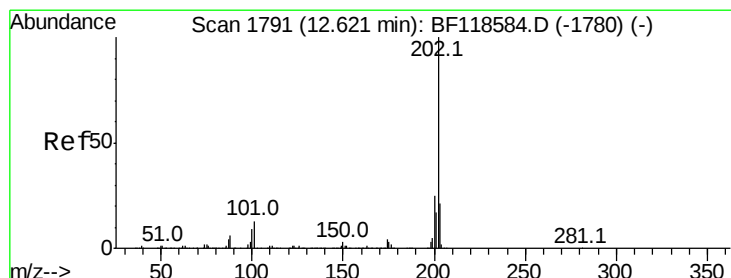
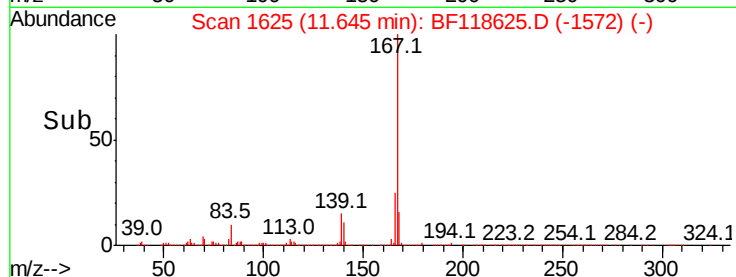
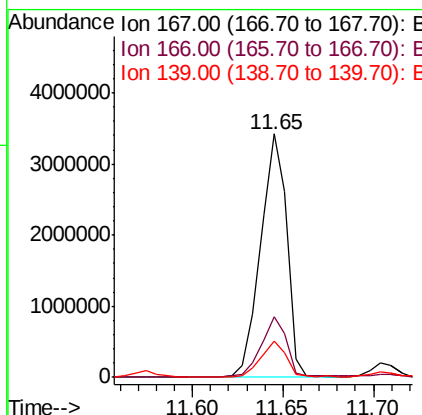
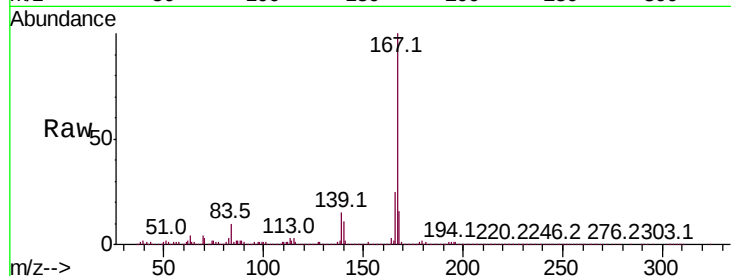




#73
 Carbazole
 Concen: 71.172 ng
 RT: 11.65 min Scan# 1625
 Delta R.T. 0.01 min
 Lab File: BF118625.D
 Acq: 21 Jan 2020 8:31

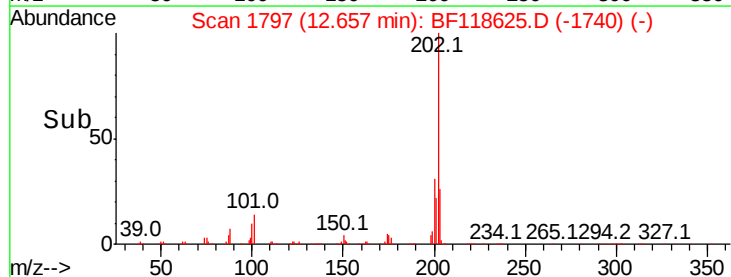
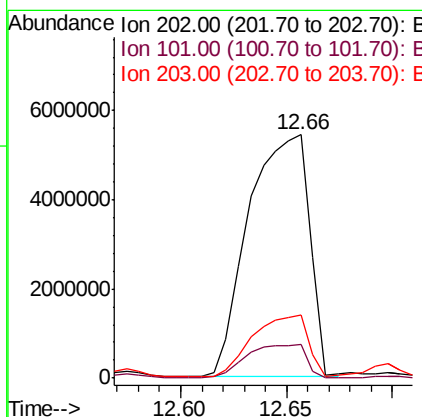
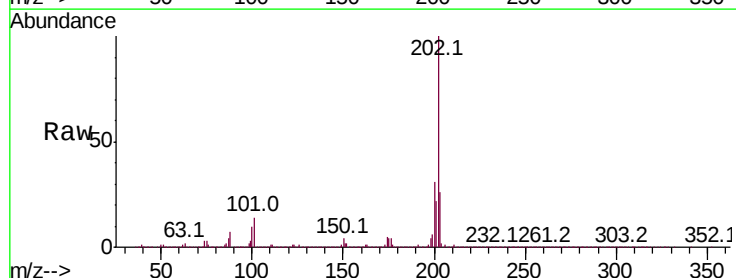
Instrument :
 BNA_F
 ClientSampleId :

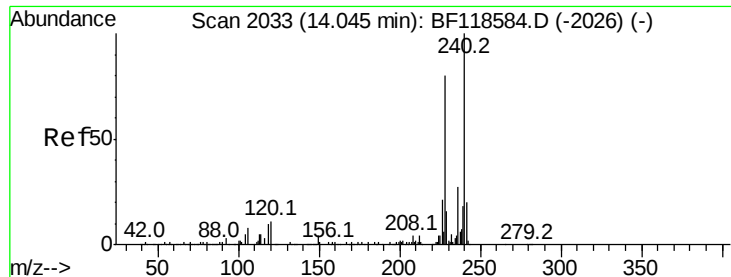
Tot Ion:167 Resp: 3410039
 Ion Ratio Lower Upper
 167 100
 166 24.9 19.4 29.2
 139 15.1 11.7 17.5



#75
 Fluoranthene
 Concen: 194.867 ng
 RT: 12.66 min Scan# 1797
 Delta R.T. 0.04 min
 Lab File: BF118625.D
 Acq: 21 Jan 2020 8:31

Tgt Ion:202 Resp:10849963
 Ion Ratio Lower Upper
 202 100
 101 13.7 0.0 32.5
 203 25.7 0.8 40.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.02 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

Instrument :

BNA_F

ClientSampleId :

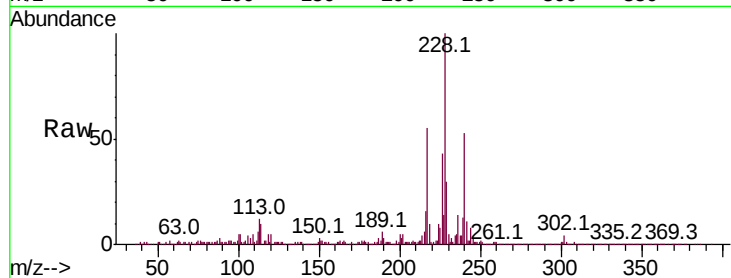
Tot Ion:240 Resp: 688256

Ion Ratio Lower Upper

240 100

120 10.2 8.9 13.3

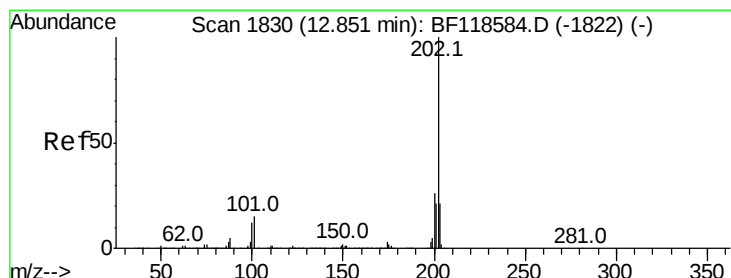
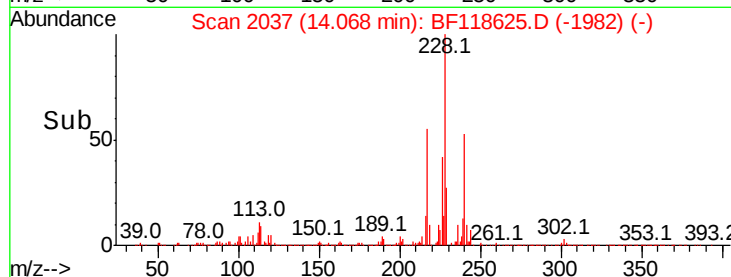
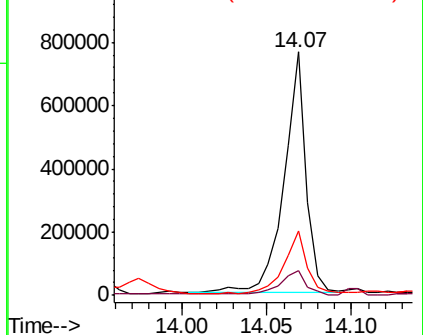
236 26.5 21.5 32.3



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



#78

Pyrene

Concen: 60.167 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.12 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

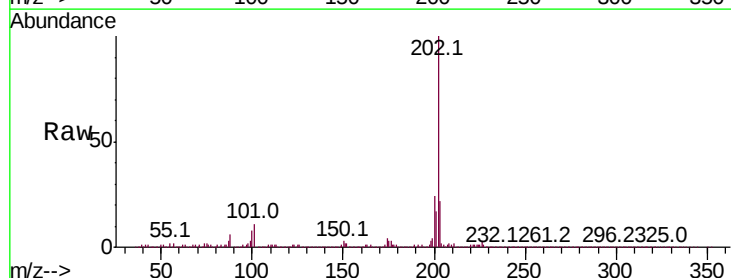
Tgt Ion:202 Resp: 2811383

Ion Ratio Lower Upper

202 100

200 23.6 20.6 31.0

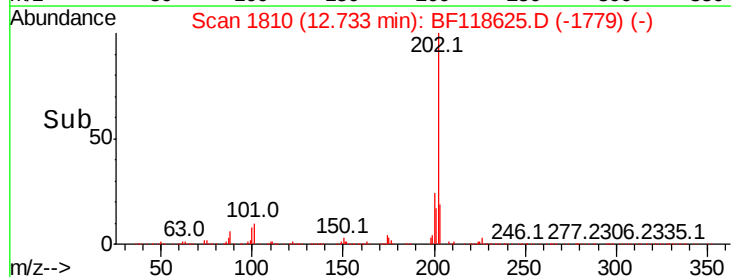
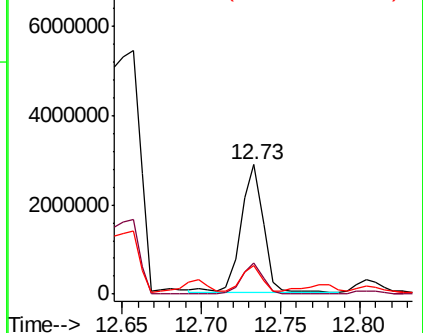
203 21.7 16.8 25.2

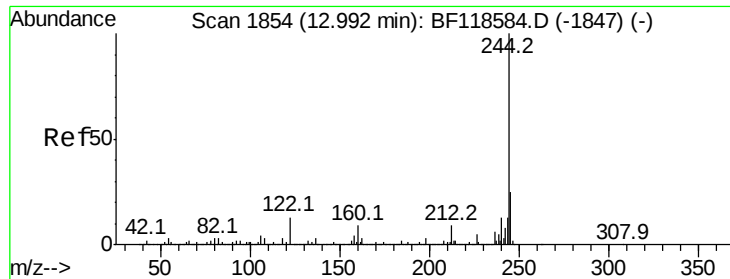


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 5.025 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

Instrument :

BNA_F

ClientSampleId :

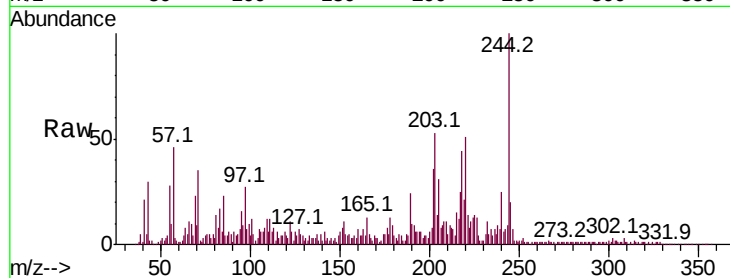
Tot Ion:244 Resp: 158578

Ion Ratio Lower Upper

244 100

212 8.3 7.0 10.4

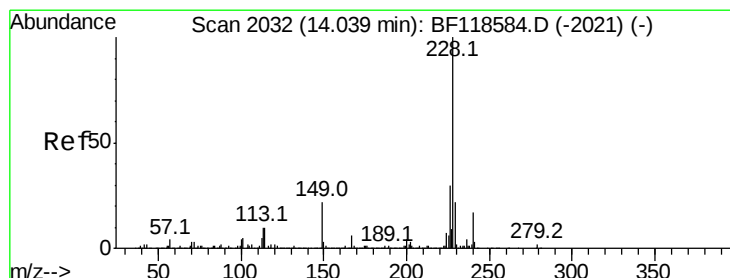
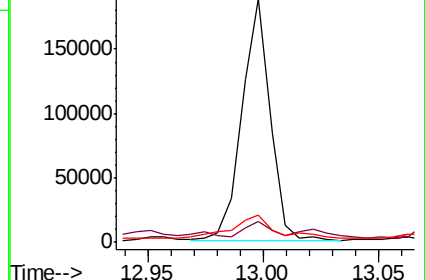
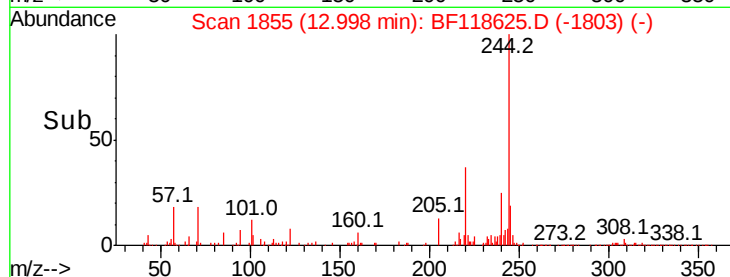
122 11.0 10.7 16.1



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



#81

Benzo(a)anthracene

Concen: 166.307 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.02 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

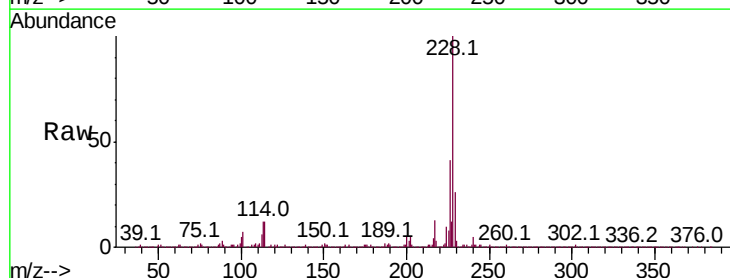
Tgt Ion:228 Resp: 6885484

Ion Ratio Lower Upper

228 100

226 41.3 24.1 36.1#

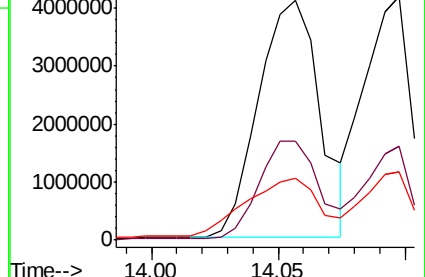
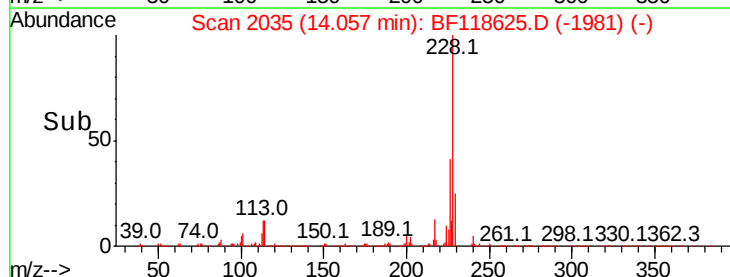
229 25.9 17.6 26.4

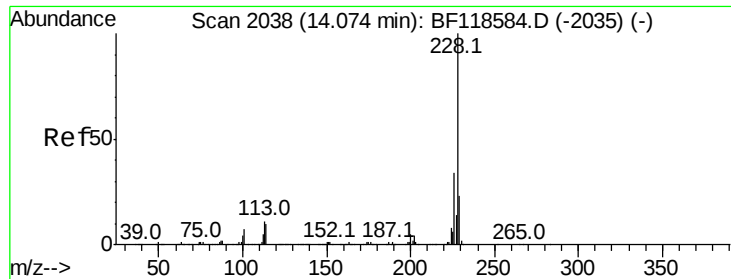


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

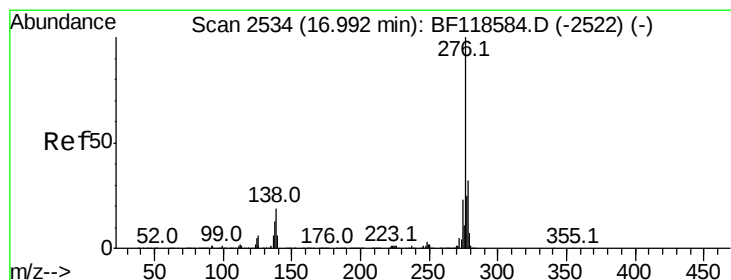
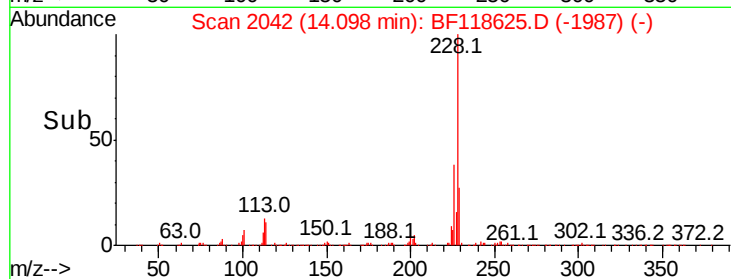
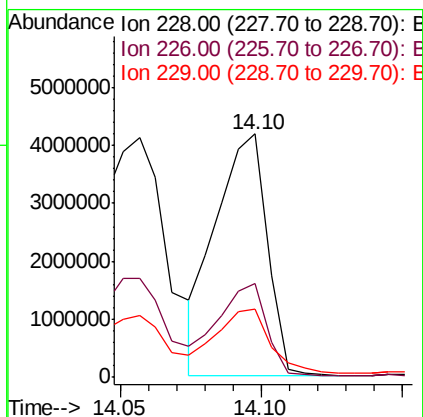
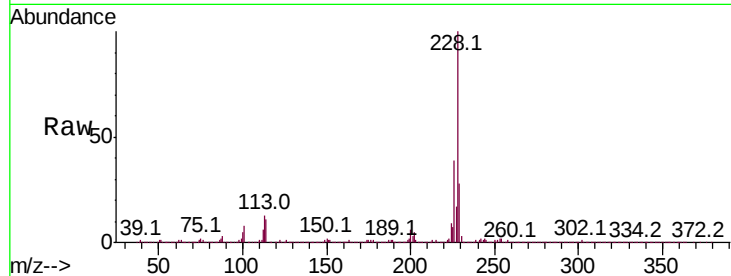




#83
Chrysene
Concen: 133.078 ng
RT: 14.10 min Scan# 2042
Delta R.T. 0.02 min
Lab File: BF118625.D
Acq: 21 Jan 2020 8:31

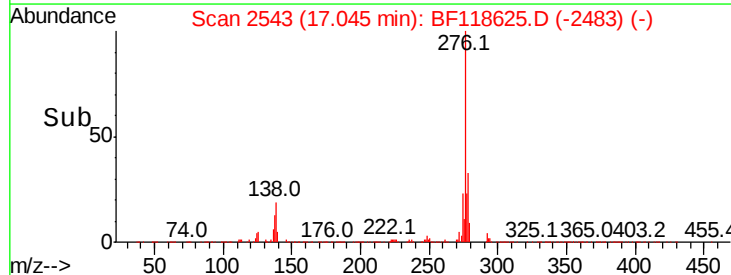
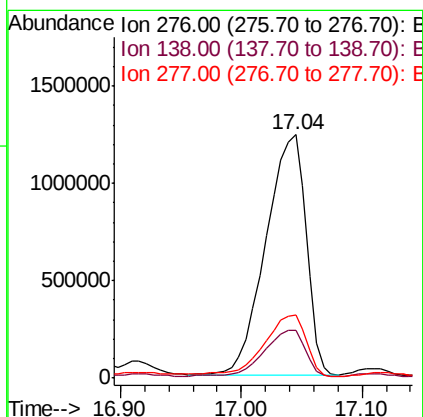
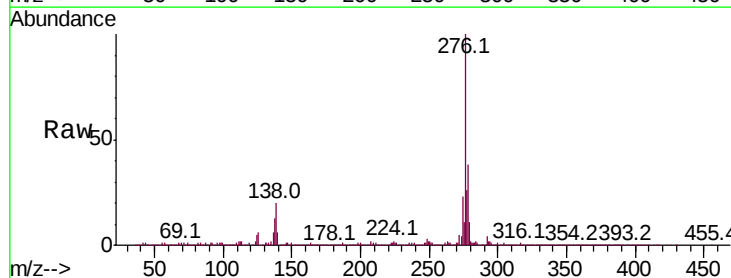
Instrument :
BNA_F
ClientSampleId :

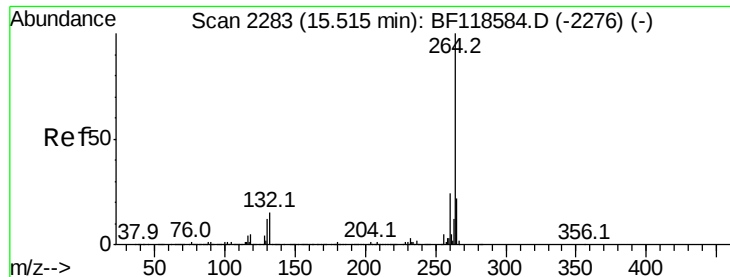
Tot Ion:228 Resp: 5280535
Ion Ratio Lower Upper
228 100
226 38.6 27.4 41.0
229 28.0 18.3 27.5#



#86
Indeno(1,2,3-cd)pyrene
Concen: 82.270 ng
RT: 17.04 min Scan# 2543
Delta R.T. 0.05 min
Lab File: BF118625.D
Acq: 21 Jan 2020 8:31

Tgt Ion:276 Resp: 2836498
Ion Ratio Lower Upper
276 100
138 19.7 17.2 25.8
277 27.0 20.5 30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.03 min

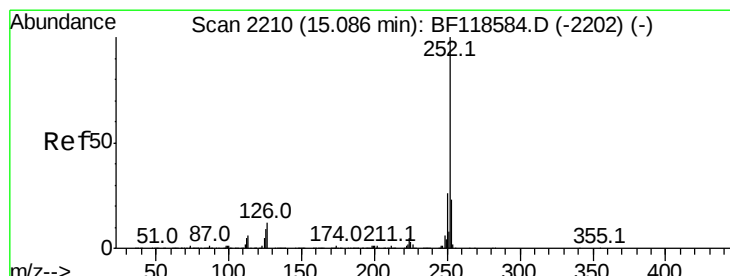
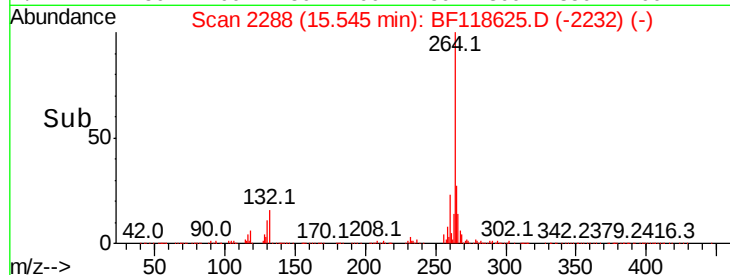
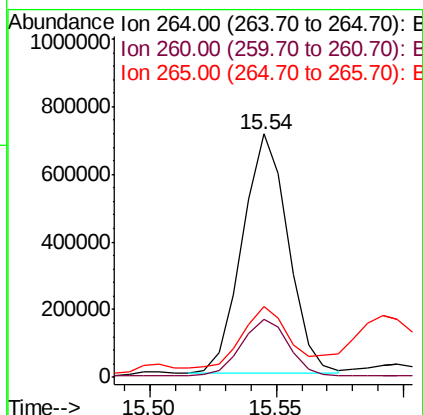
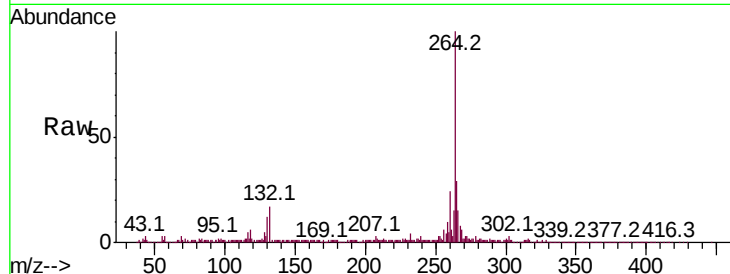
Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 889401

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.6	29.4
265	29.2	17.7	26.5#



#88

Benzo(b)fluoranthene

Concen: 173.022 ng

RT: 15.12 min Scan# 2216

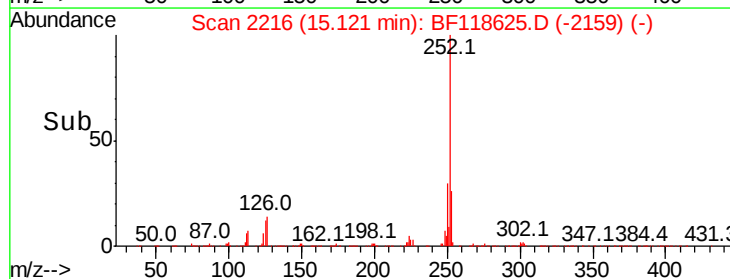
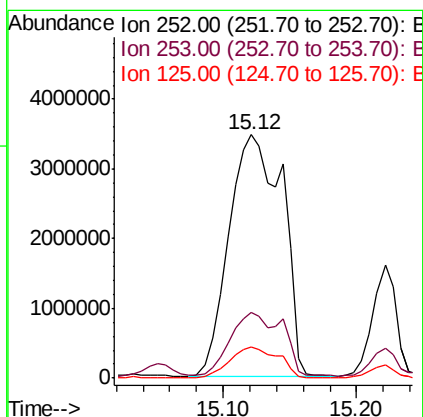
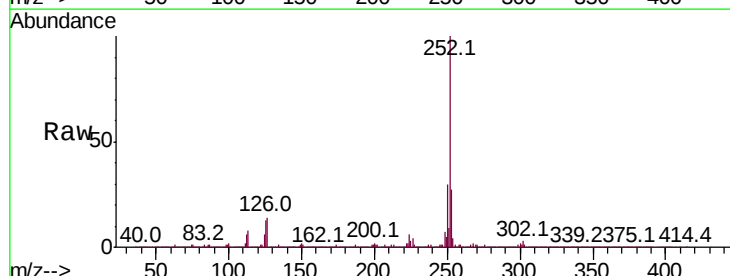
Delta R.T. 0.04 min

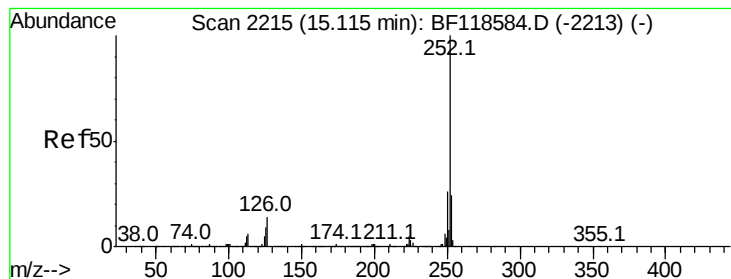
Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

Tgt Ion:252 Resp: 9672870

Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.7	28.1
125	12.6	7.3	10.9#





#89

Benzo(k)fluoranthene

Concen: 186.757 ng

RT: 15.12 min Scan# 2216

Delta R.T. 0.01 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

Instrument :

BNA_F

ClientSampleId :

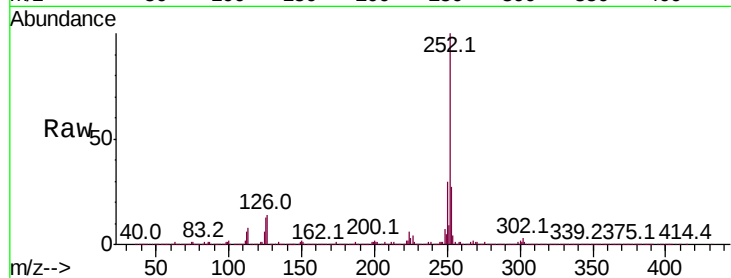
Tot Ion:252 Resp: 9672870

Ion Ratio Lower Upper

252 100

253 26.8 19.0 28.4

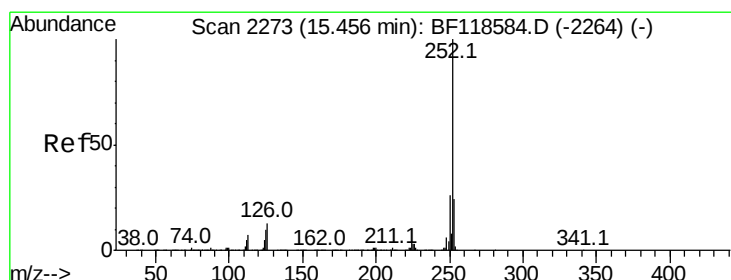
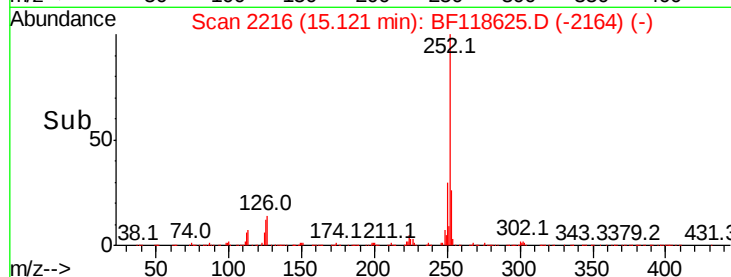
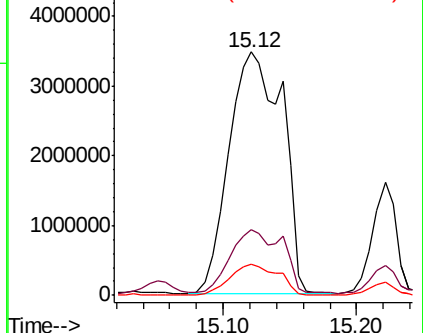
125 12.6 7.6 11.4#



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



#90

Benzo(a)pyrene

Concen: 126.051 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.04 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

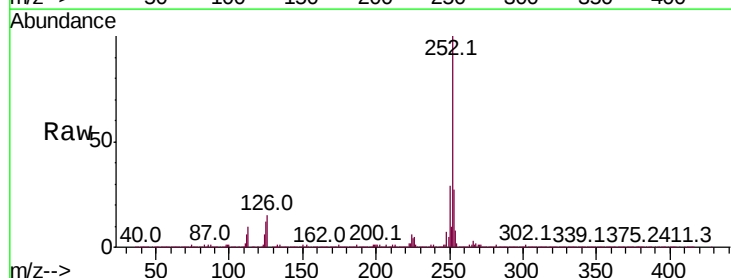
Tgt Ion:252 Resp: 6078908

Ion Ratio Lower Upper

252 100

253 27.1 18.8 28.2

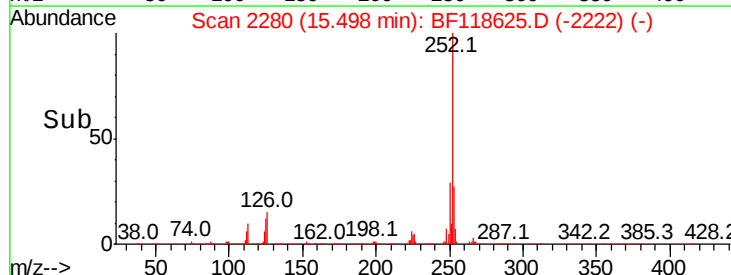
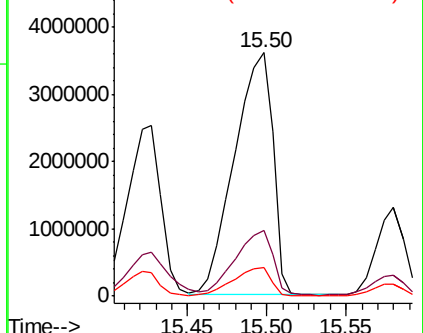
125 11.9 7.8 11.6#

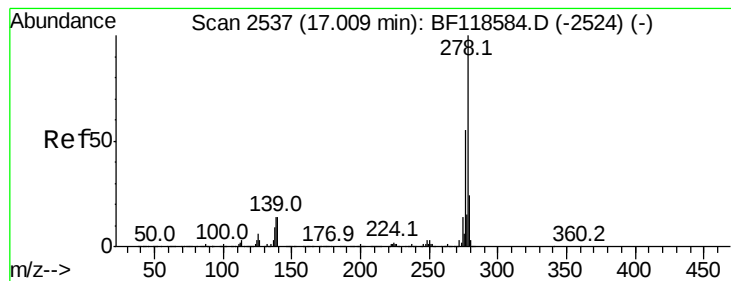


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 19.262 ng

RT: 17.04 min Scan# 2543

Delta R.T. 0.04 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

Instrument :

BNA_F

ClientSampleId :

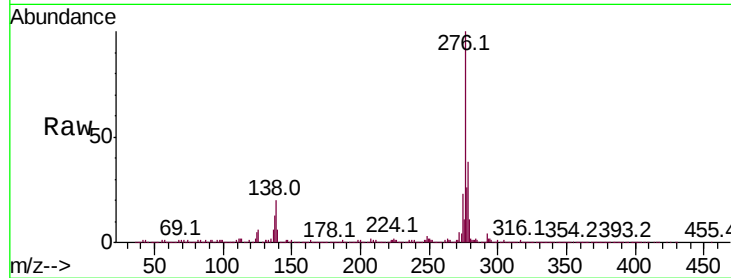
Tot Ion:278 Resp: 821687

Ion Ratio Lower Upper

278 100

139 16.4 11.4 17.0

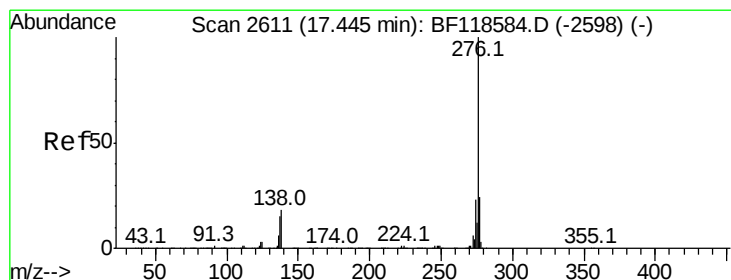
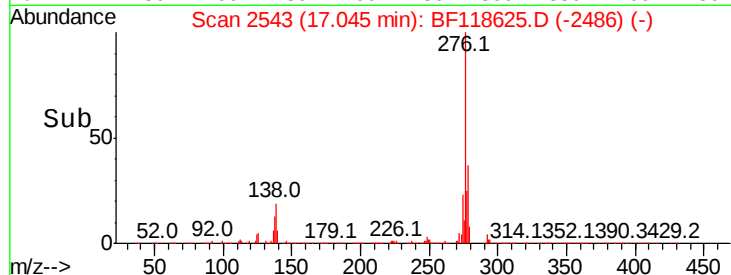
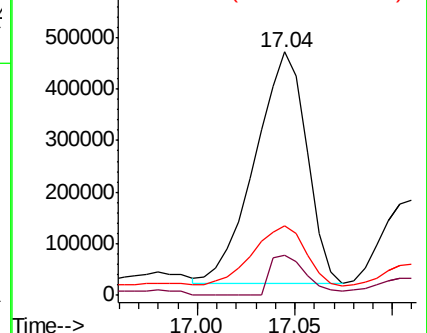
279 28.4 19.0 28.6



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: 59.158 ng

RT: 17.49 min Scan# 2619

Delta R.T. 0.05 min

Lab File: BF118625.D

Acq: 21 Jan 2020 8:31

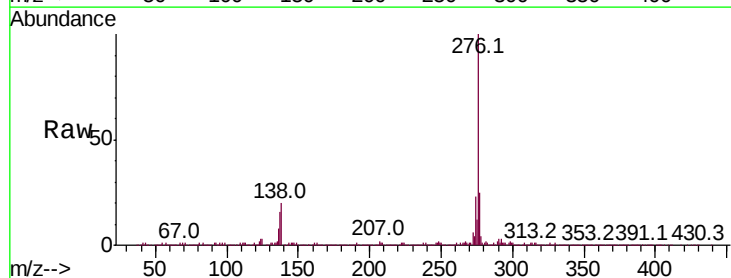
Tgt Ion:276 Resp: 2450249

Ion Ratio Lower Upper

276 100

277 25.0 18.9 28.3

138 19.8 14.4 21.6



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

