

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108758.D
 Acq On : 4 Sep 2018 23:05
 Operator : JU/SJ
 Sample : J4757-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 03:14:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

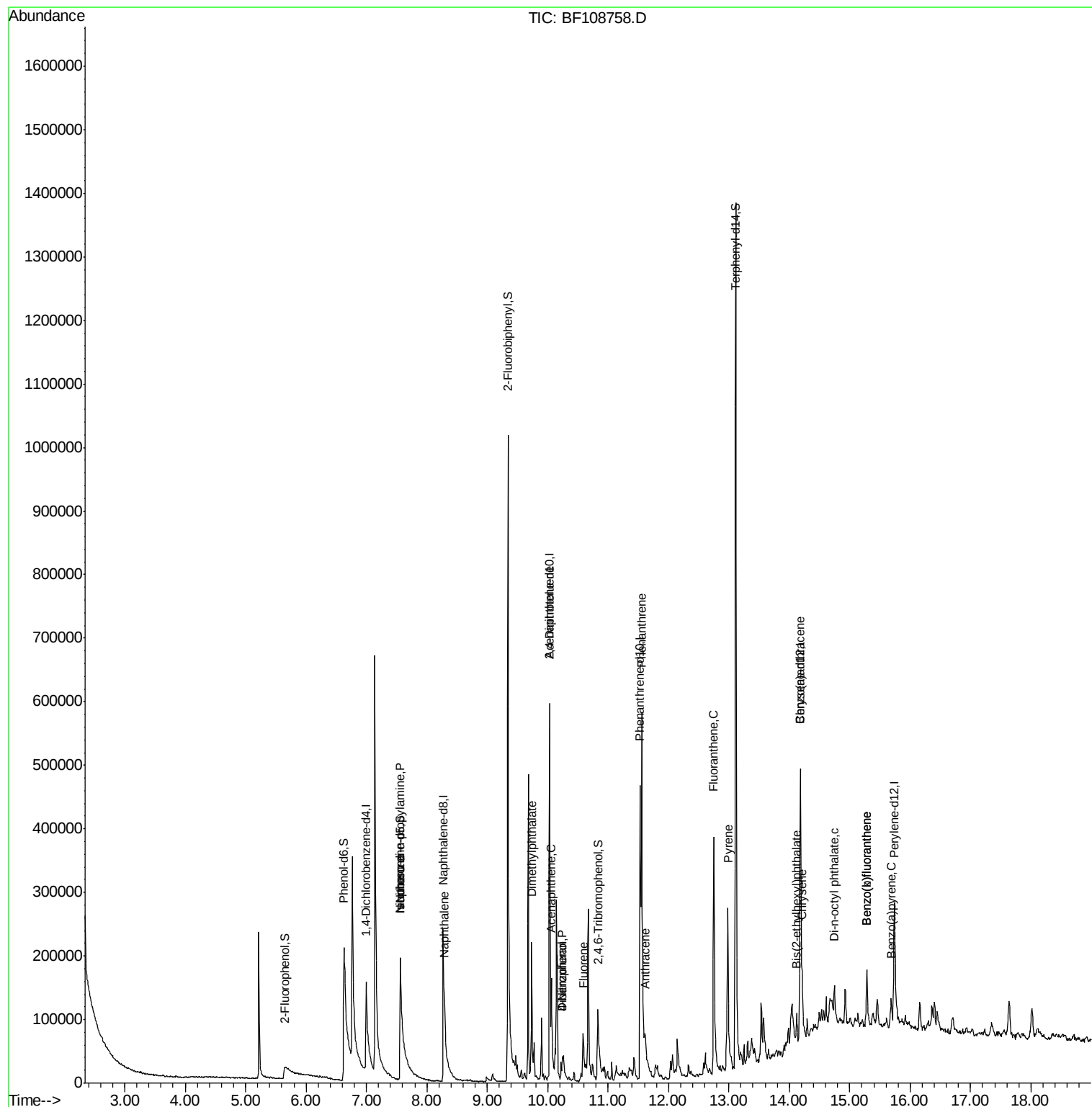
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	58158	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	232253	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	118353	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	265169	20.00	ng	-0.02
75) Chrysene-d12	14.18	240	197463	20.00	ng	-0.02
86) Perylene-d12	15.74	264	143653	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	10214	3.05	ng	0.00
7) Phenol-d6	6.62	99	335201	69.91	ng	-0.02
23) Nitrobenzene-d5	7.56	82	255225	55.78	ng	-0.01
41) 2,4,6-Tribromophenol	10.83	330	28593	18.30	ng	-0.02
44) 2-Fluorobiphenyl	9.34	172	506340	57.52	ng	-0.02
78) Terphenyl-d14	13.11	244	600821	59.12	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.56	70	27203	8.472	ng	# 85
25) Isophorone	7.56	82	259591	34.153	ng	# 64
31) Naphthalene	8.30	128	59516	5.380	ng	# 97
49) Dimethylphthalate	9.74	163	99911	10.720	ng	# 99
51) Acenaphthene	10.07	154	41264	5.844	ng	# 97
54) Dibenzofuran	10.25	168	48364	4.377	ng	# 97
55) 4-Nitrophenol	10.24	139	16295	15.569	ng	# 9
56) 2,4-Dinitrotoluene	10.03	165	16019	5.889	ng	# 23
57) Fluorene	10.58	166	43343	5.062	ng	# 99
70) Phenanthrene	11.55	178	275456	20.580	ng	# 98
71) Anthracene	11.61	178	69753	4.960	ng	# 98
74) Fluoranthene	12.75	202	234282	15.551	ng	# 96
77) Pyrene	12.98	202	158714	10.692	ng	# 98
80) Benzo(a)anthracene	14.18	228	43871	3.644	ng	# 98
82) Chrysene	14.21	228	31045	2.682	ng	# 95
83) Bis(2-ethylhexyl)phthalate	14.12	149	22188	2.766	ng	# 98
84) Di-n-octyl phthalate	14.75	149	28723	2.435	ng	# 77
87) Benzo(b)fluoranthene	15.28	252	39591	4.487	ng	# 90
88) Benzo(k)fluoranthene	15.28	252	39591	4.529	ng	# 93
89) Benzo(a)pyrene	15.68	252	18836	2.362	ng	# 85

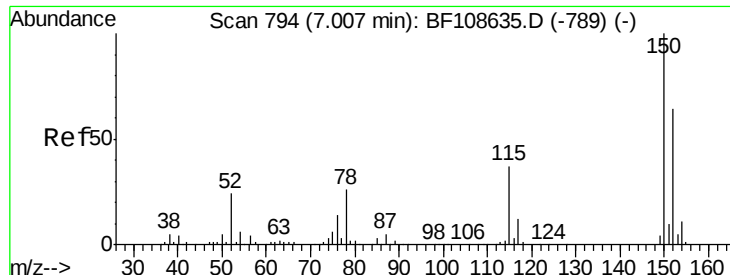
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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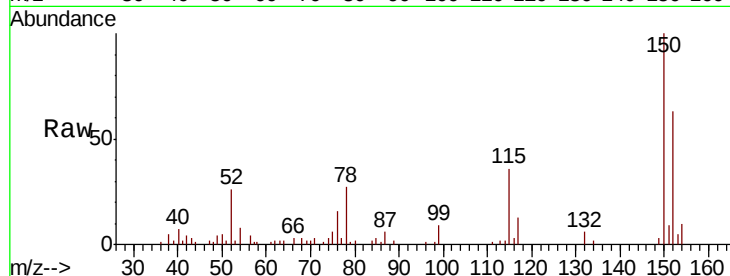


#1

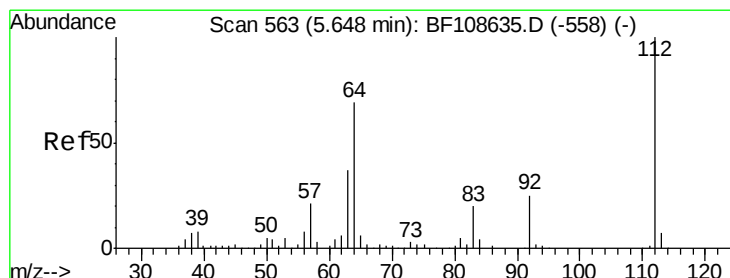
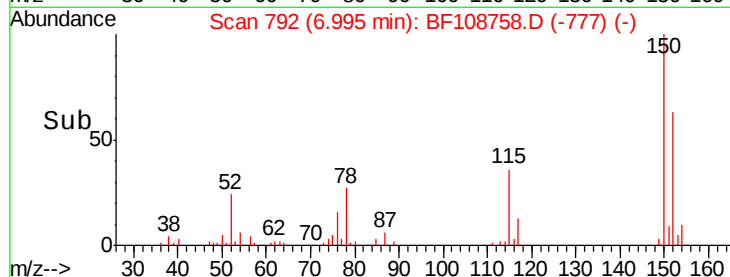
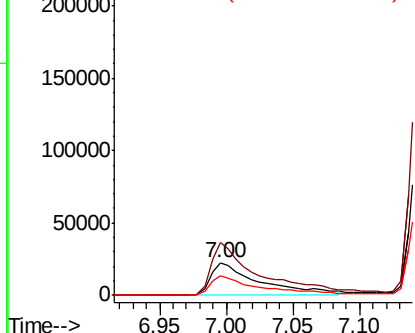
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 58158
Ion Ratio Lower Upper
152 100
150 159.4 124.6 186.8
115 57.7 50.1 75.1



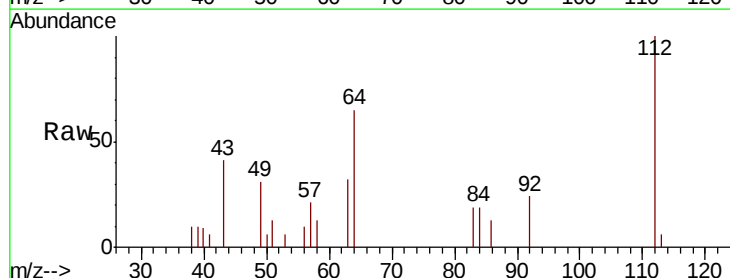
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



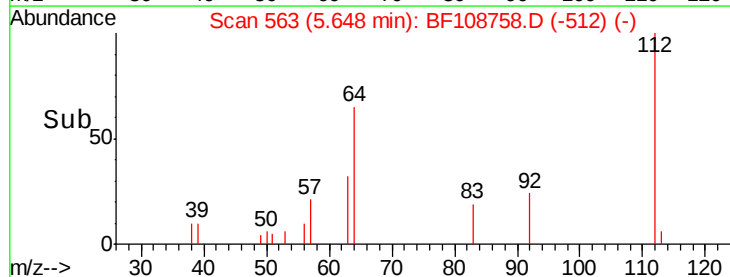
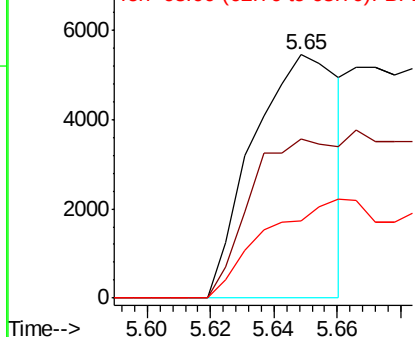
#5

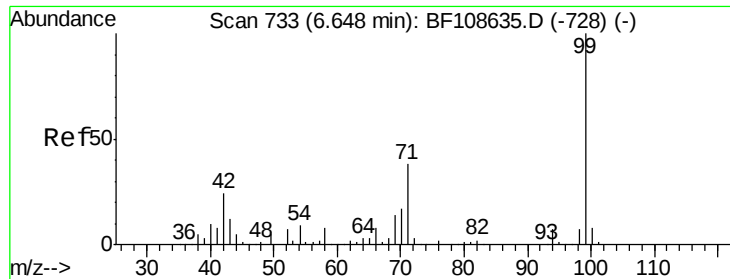
2-Fluorophenol
Concen: 3.051 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.00 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Tgt Ion:112 Resp: 10214
Ion Ratio Lower Upper
112 100
64 65.4 47.9 71.9
63 31.8 23.7 35.5



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: 69.908 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF108758.D

Acq: 4 Sep 2018 23:05

Instrument :

BNA_F

ClientSampleId :

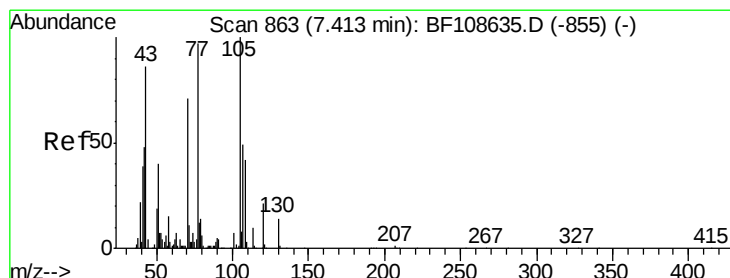
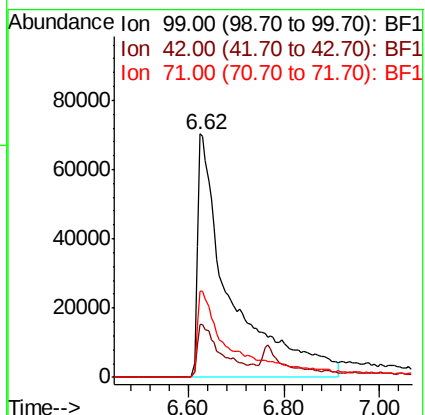
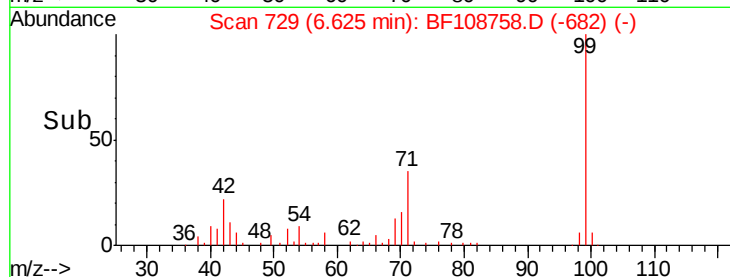
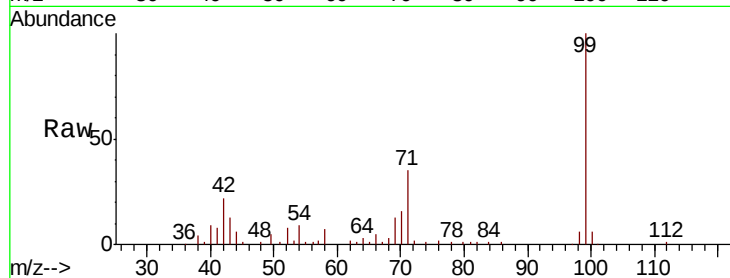
Tot Ion: 99 Resp: 335201

Ion Ratio Lower Upper

99 100

42 21.6 14.5 21.7

71 35.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 8.472 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108758.D

Acq: 4 Sep 2018 23:05

Tgt Ion: 70 Resp: 27203

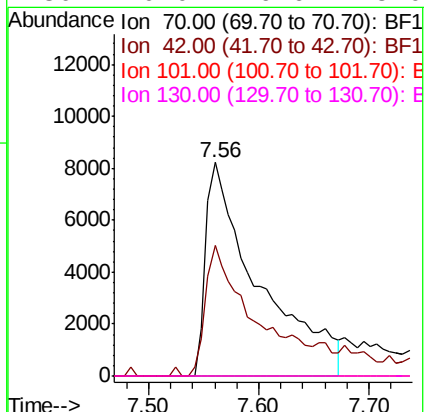
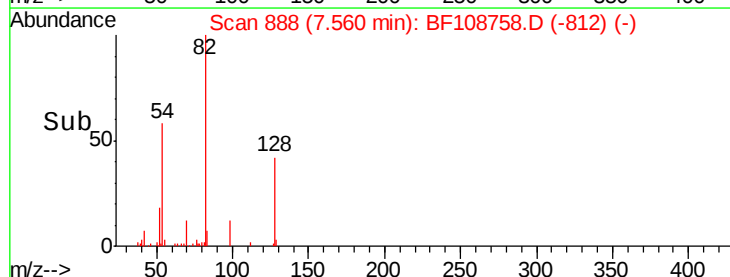
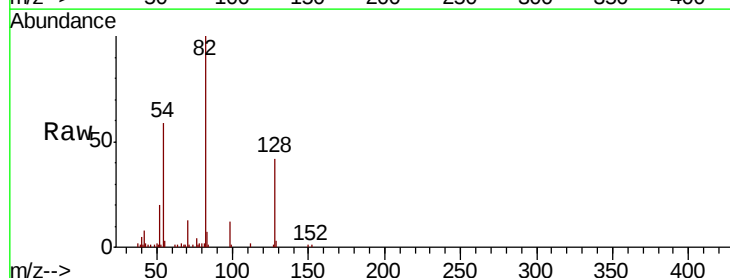
Ion Ratio Lower Upper

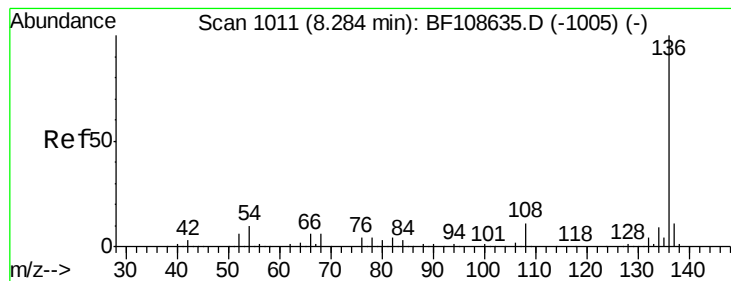
70 100

42 61.3 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.27 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF108758.D

Acq: 4 Sep 2018 23:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 232253

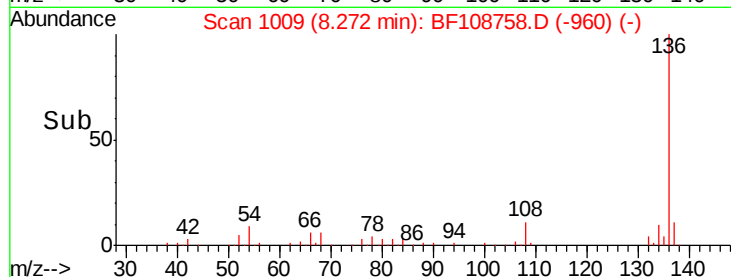
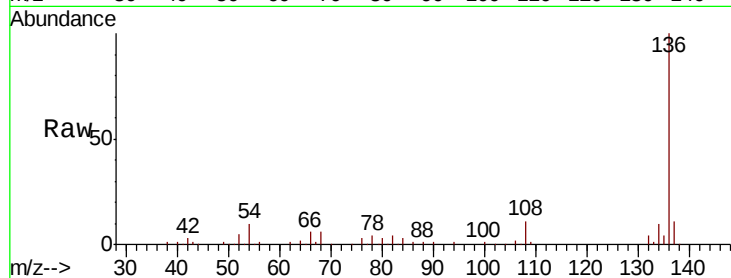
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 9.8 6.6 9.8

68 5.6 5.0 7.4

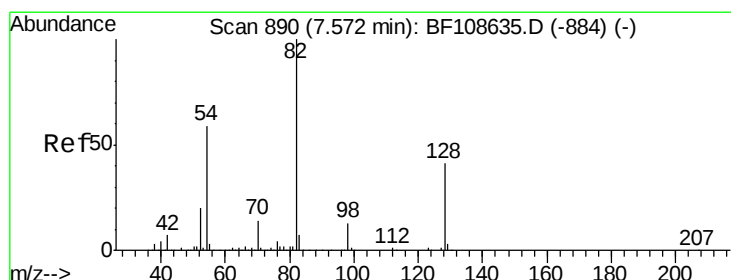
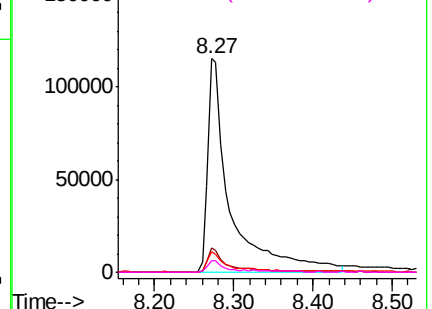


Abundance Ion 136.00 (135.70 to 136.70): E

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: 55.779 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF108758.D

Acq: 4 Sep 2018 23:05

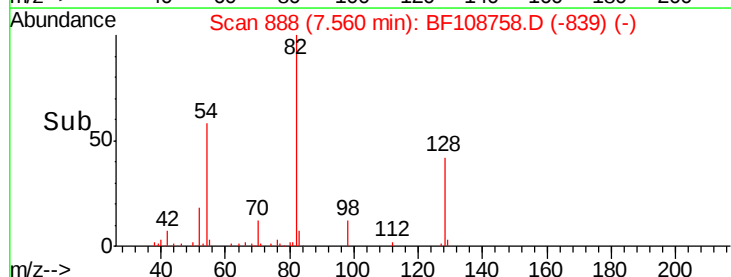
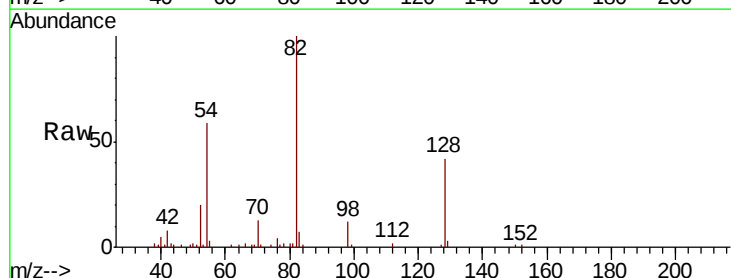
Tgt Ion: 82 Resp: 255225

Ion Ratio Lower Upper

82 100

128 42.4 36.1 54.1

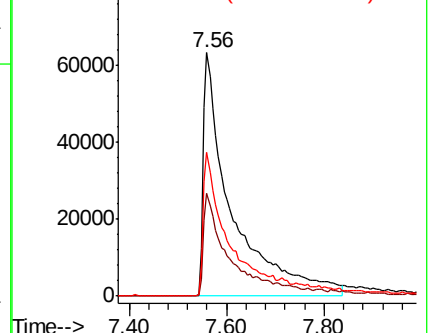
54 59.1 41.4 62.2

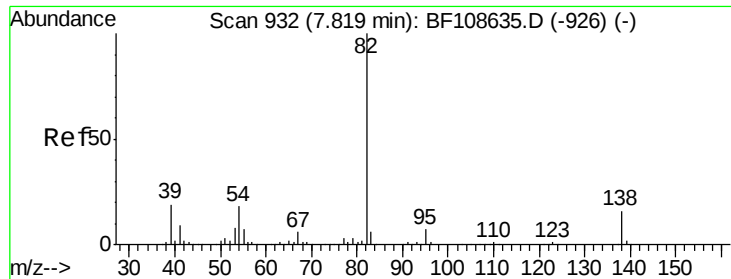


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.153 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF108758.D

Acq: 4 Sep 2018 23:05

Instrument :

BNA_F

ClientSampleId :

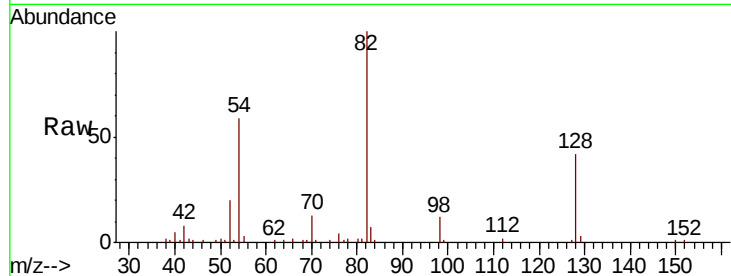
Tot Ion: 82 Resp: 259591

Ion Ratio Lower Upper

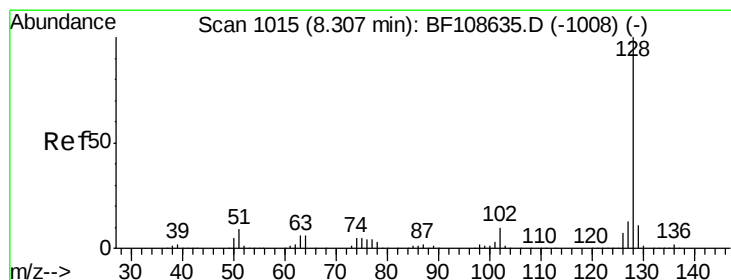
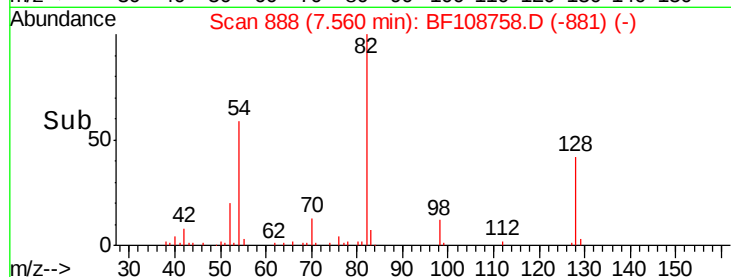
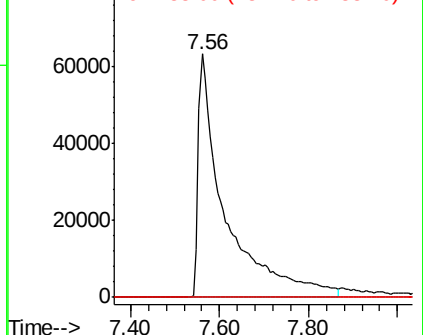
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 5.380 ng

RT: 8.30 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF108758.D

Acq: 4 Sep 2018 23:05

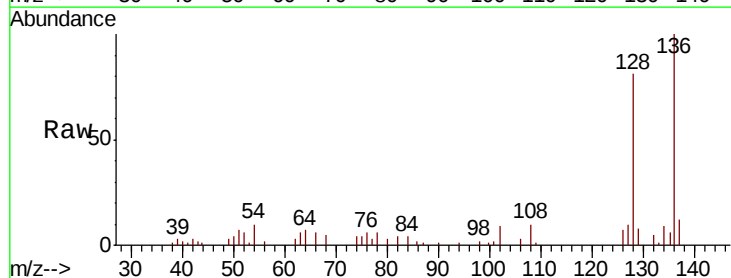
Tgt Ion: 128 Resp: 59516

Ion Ratio Lower Upper

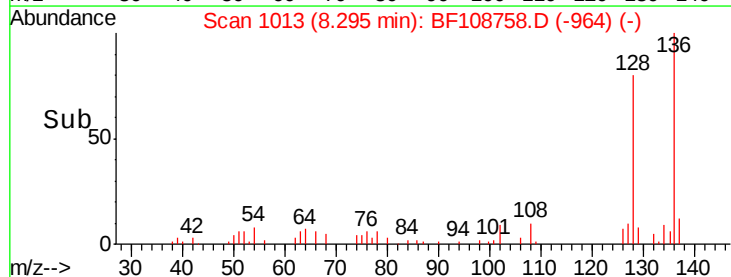
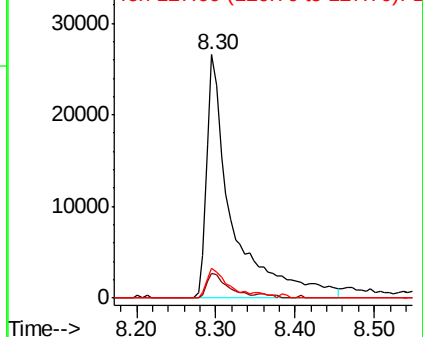
128 100

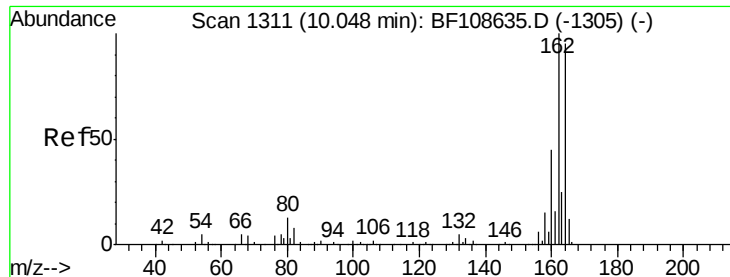
129 10.4 8.8 13.2

127 12.3 10.9 16.3



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

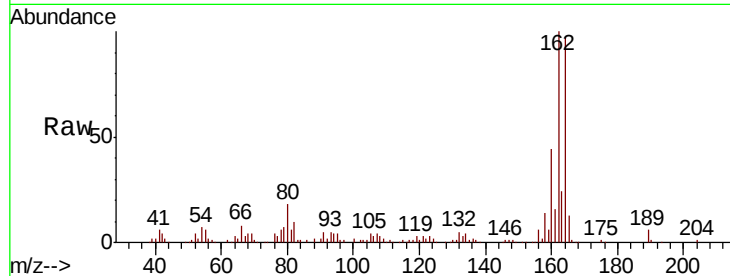




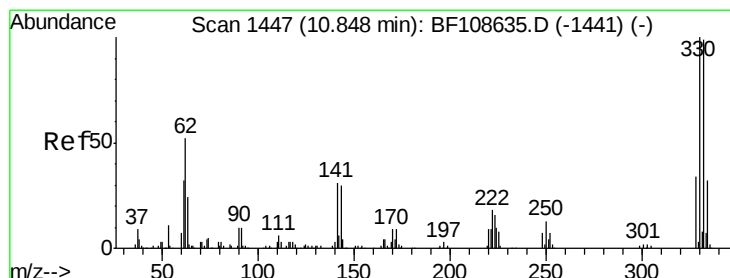
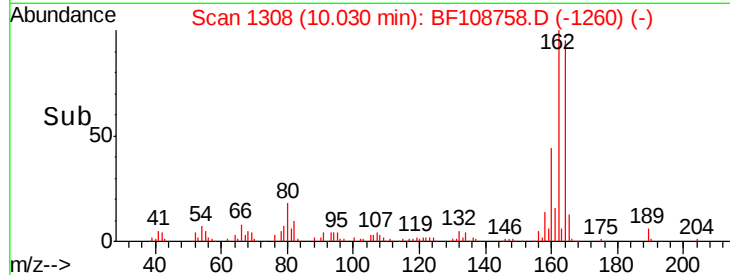
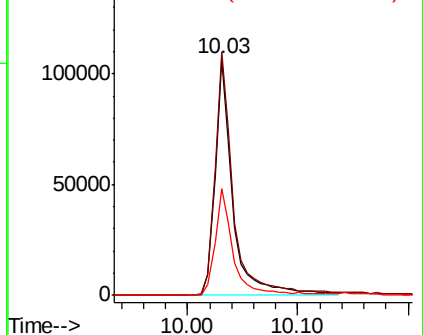
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.03 min Scan# 1308
 Delta R.T. -0.02 min
 Lab File: BF108758.D
 Acq: 4 Sep 2018 23:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 118353
 Ion Ratio Lower Upper
 164 100
 162 103.2 86.1 129.1
 160 45.4 38.3 57.5

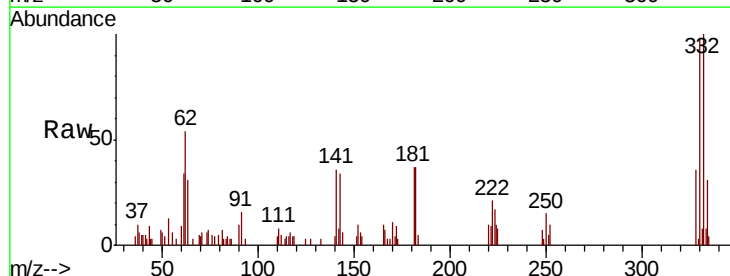


Abundance Ion 164.00 (163.70 to 164.70): E
 150000 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

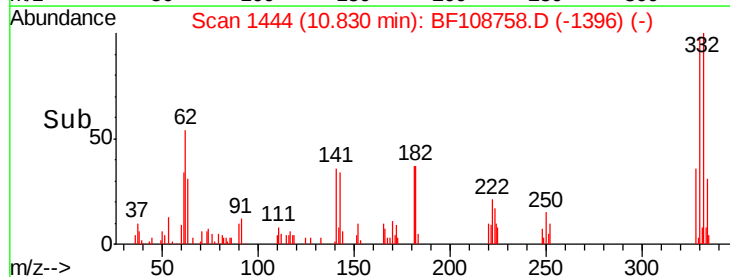
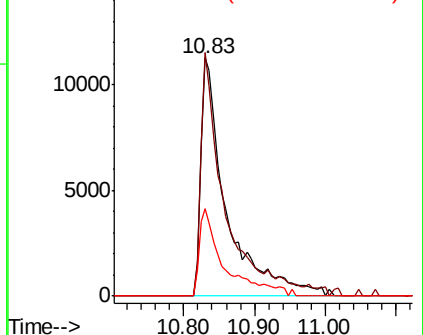


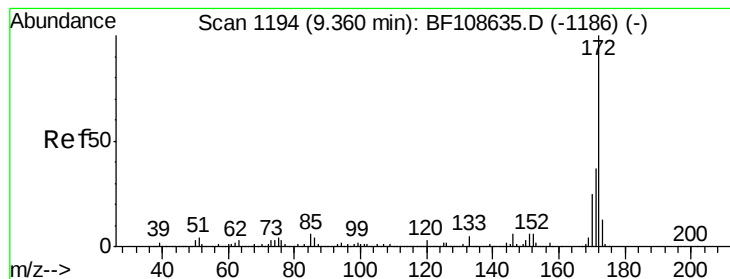
#41
 2,4,6-Tribromophenol
 Concen: 18.301 ng
 RT: 10.83 min Scan# 1444
 Delta R.T. -0.02 min
 Lab File: BF108758.D
 Acq: 4 Sep 2018 23:05

Tgt Ion:330 Resp: 28593
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 35.6 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E
 15000 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

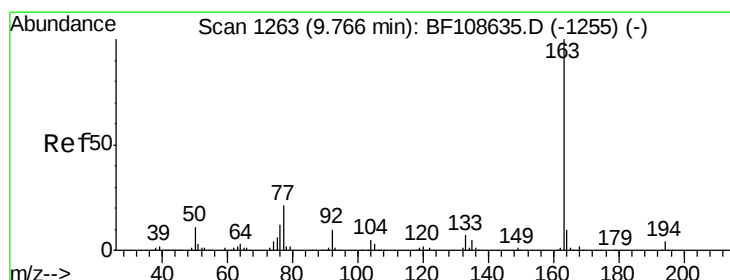
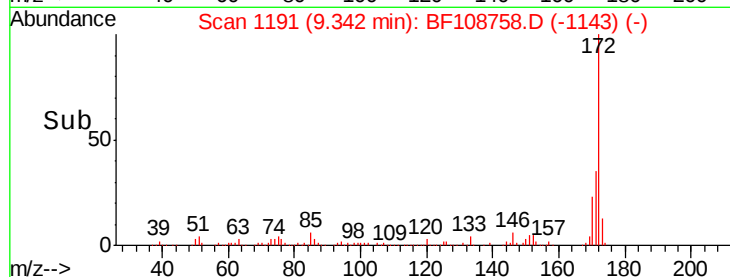
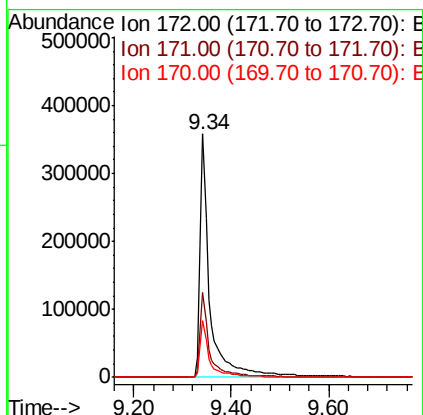
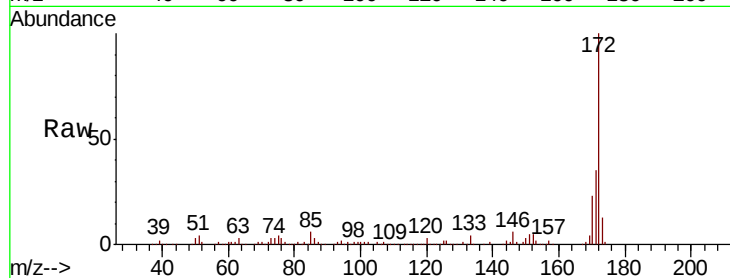




#44
2-Fluorobiphenyl
Concen: 57.524 ng
RT: 9.34 min Scan# 1191
Delta R.T. -0.02 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

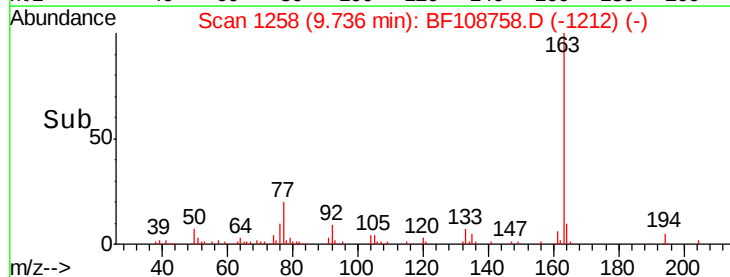
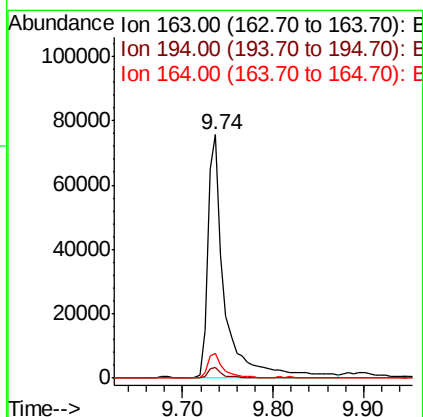
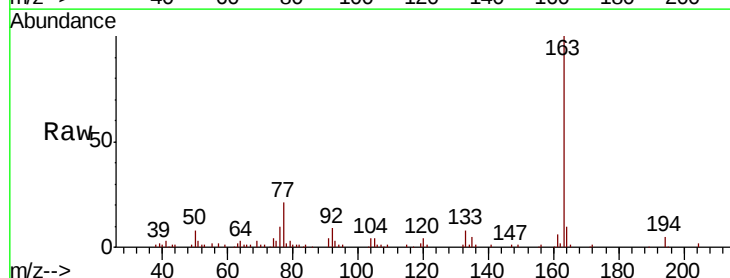
Instrument :
BNA_F
ClientSampled :

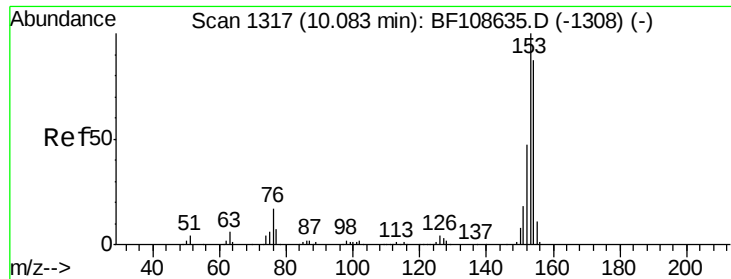
Tot Ion:172 Resp: 506340
Ion Ratio Lower Upper
172 100
171 34.9 29.7 44.5
170 23.3 19.6 29.4



#49
Dimethylphthalate
Concen: 10.720 ng
RT: 9.74 min Scan# 1258
Delta R.T. -0.03 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Tgt Ion:163 Resp: 99911
Ion Ratio Lower Upper
163 100
194 4.6 2.7 4.1#
164 10.0 8.2 12.2

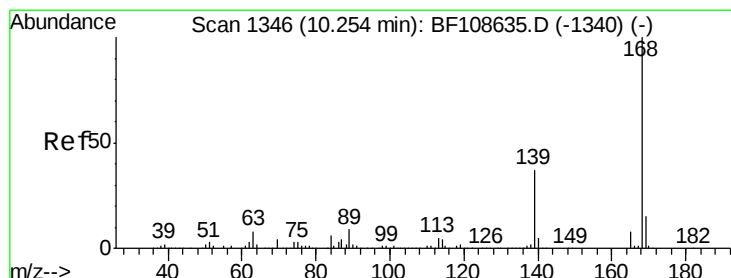
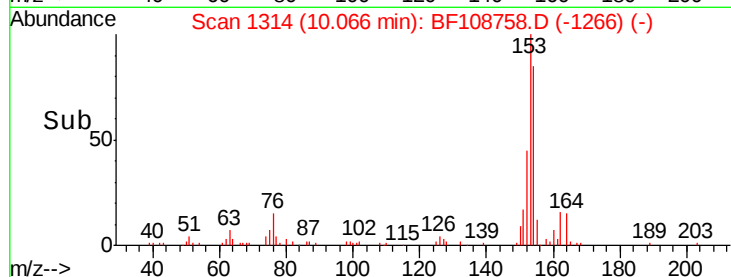
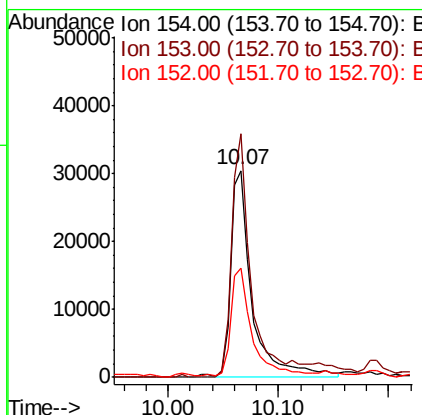
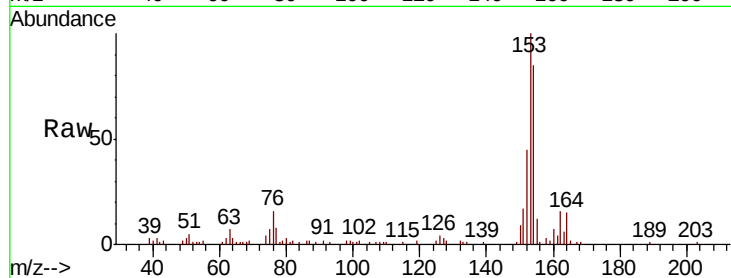




#51
Acenaphthene
Concen: 5.844 ng
RT: 10.07 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

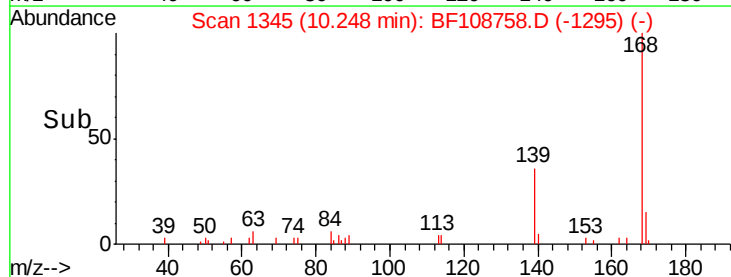
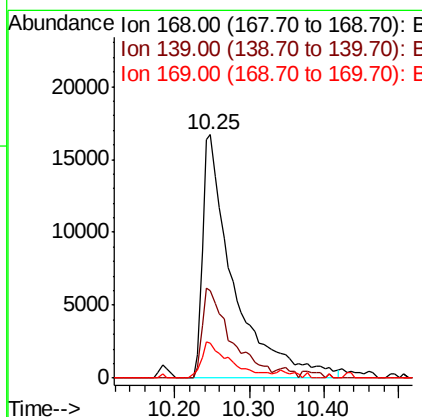
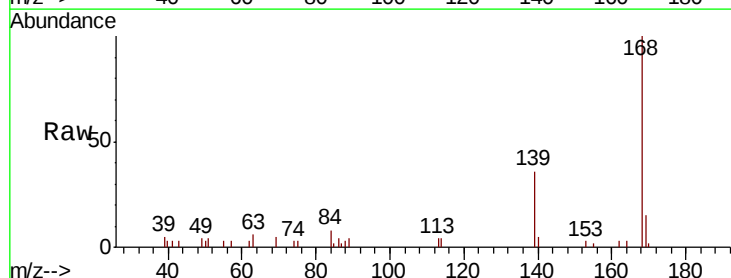
Instrument :
BNA_F
ClientSampleId :

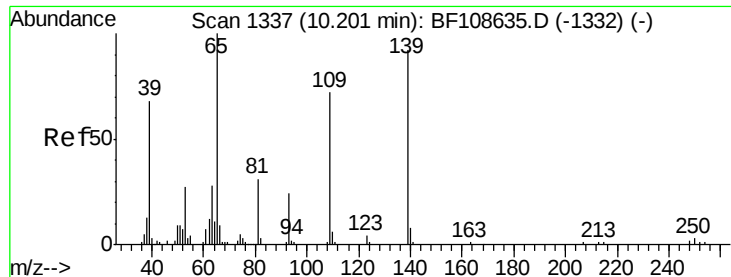
Tot Ion:154 Resp: 41264
Ion Ratio Lower Upper
154 100
153 117.9 91.2 136.8
152 53.1 43.8 65.8



#54
Dibenzofuran
Concen: 4.377 ng
RT: 10.25 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Tgt Ion:168 Resp: 48364
Ion Ratio Lower Upper
168 100
139 36.0 30.1 45.1
169 14.6 10.9 16.3





#55

4-Nitrophenol

Concen: 15.569 ng

RT: 10.24 min Scan# 1344

Delta R.T. 0.04 min

Lab File: BF108758.D

Acq: 4 Sep 2018 23:05

Instrument :

BNA_F

ClientSampleId :

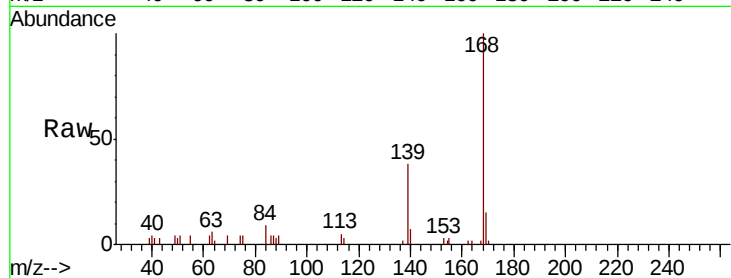
Tot Ion:139 Resp: 16295

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

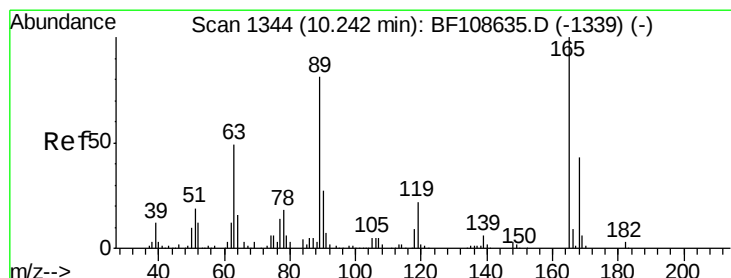
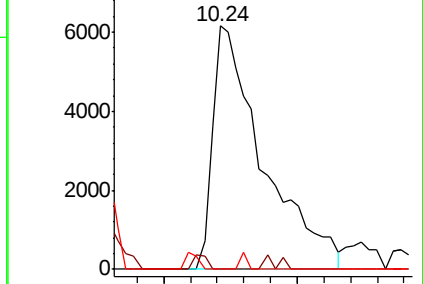
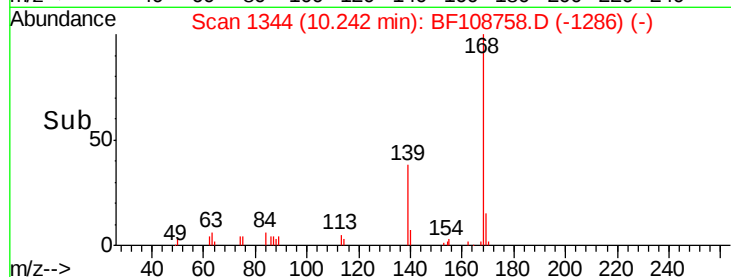
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 5.889 ng

RT: 10.03 min Scan# 1308

Delta R.T. -0.21 min

Lab File: BF108758.D

Acq: 4 Sep 2018 23:05

Tgt Ion:165 Resp: 16019

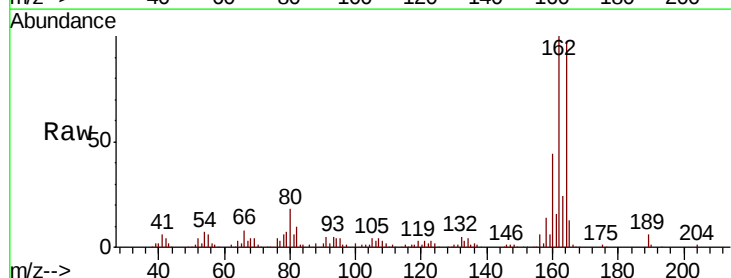
Ion Ratio Lower Upper

165 100

63 2.5 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

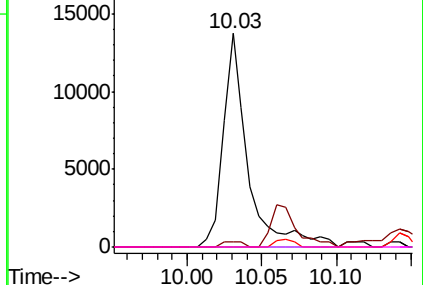
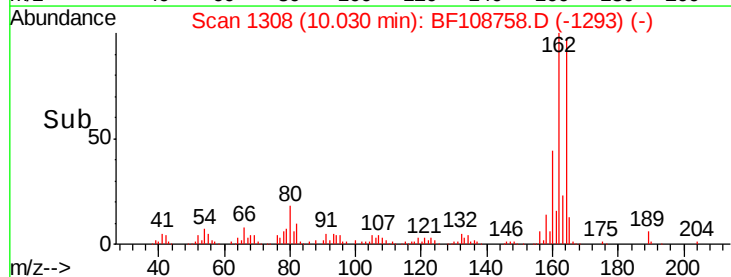


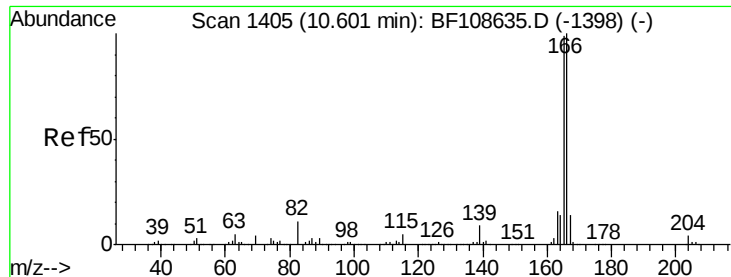
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

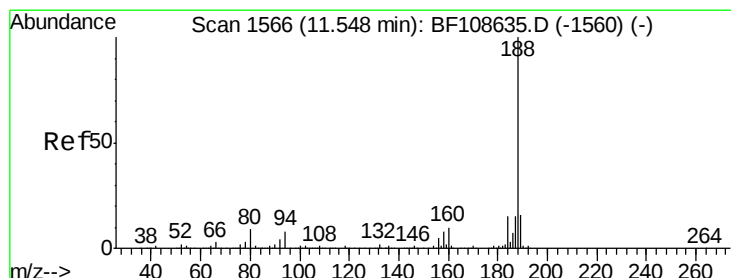
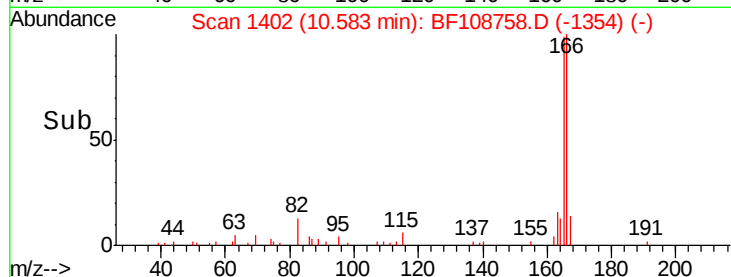
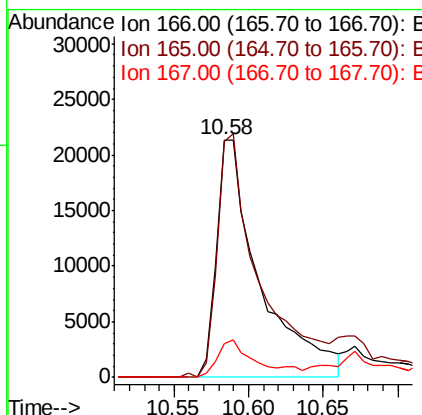
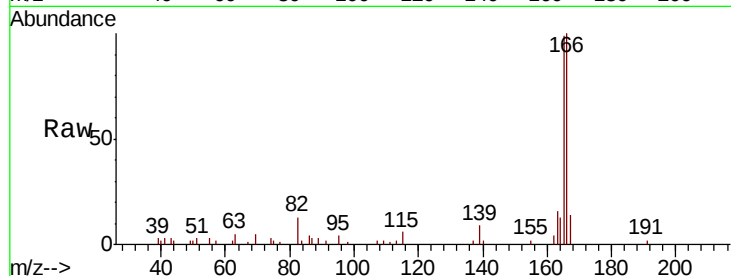




#57
 Fluorene
 Concen: 5.062 ng
 RT: 10.58 min Scan# 1402
 Delta R.T. -0.02 min
 Lab File: BF108758.D
 Acq: 4 Sep 2018 23:05

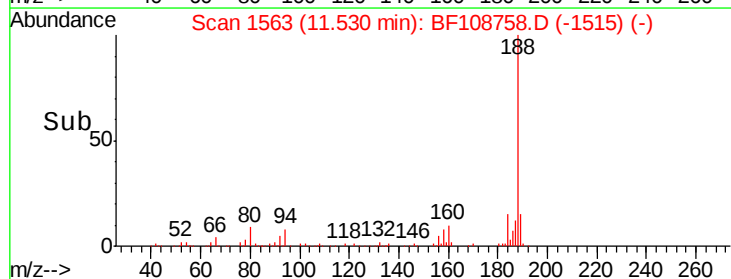
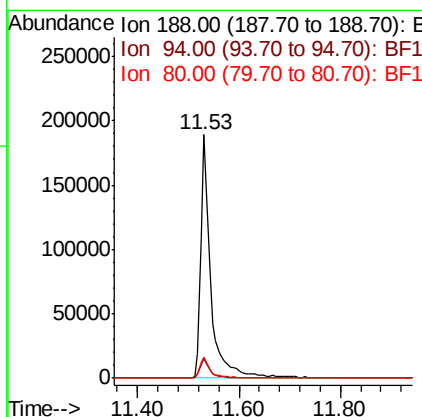
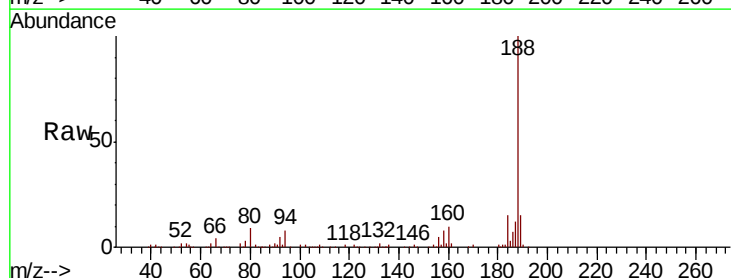
Instrument :
 BNA_F
 ClientSampleId :

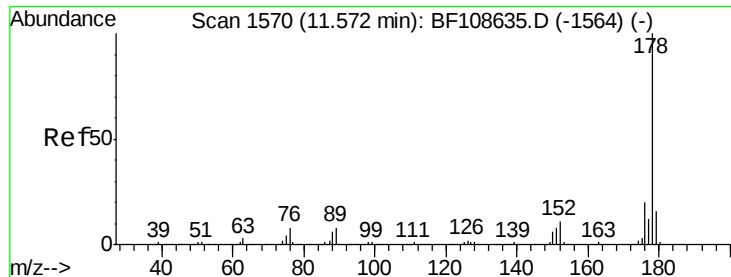
Tot Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.8	119.8
167	14.1	10.6	16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.53 min Scan# 1563
 Delta R.T. -0.02 min
 Lab File: BF108758.D
 Acq: 4 Sep 2018 23:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.5	12.7#
80	8.7	9.2	13.8#

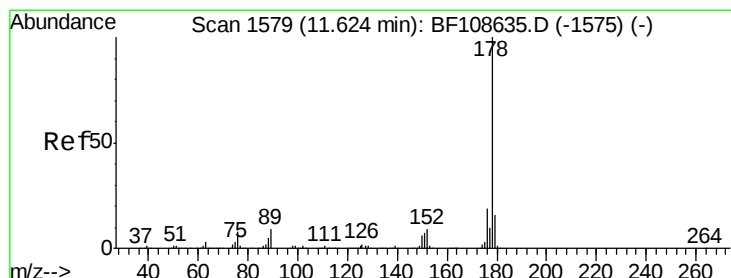
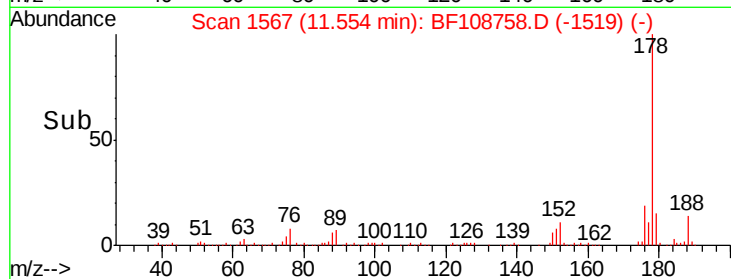
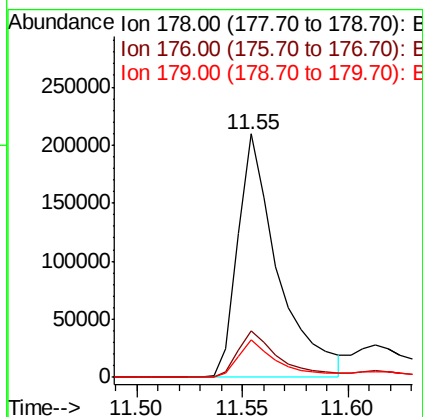
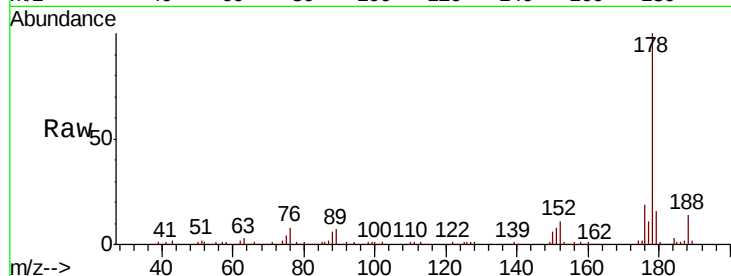




#70
Phenanthrene
Concen: 20.580 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

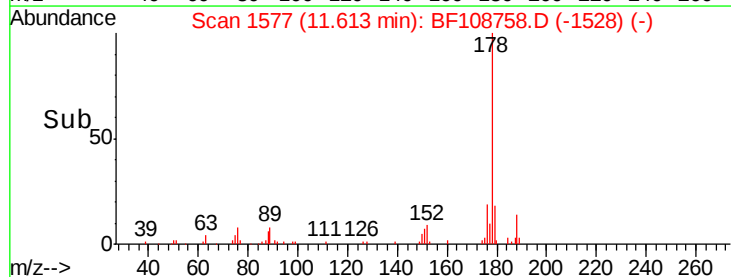
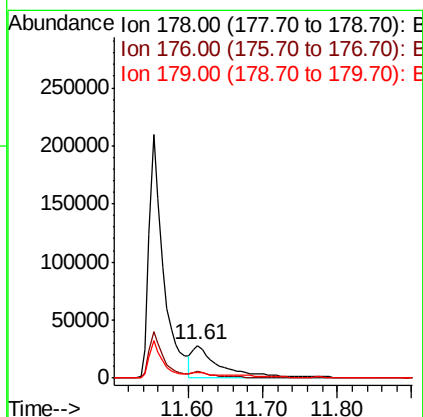
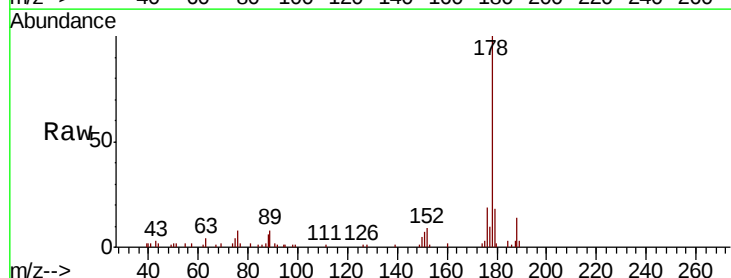
Instrument :
BNA_F
ClientSampleId :

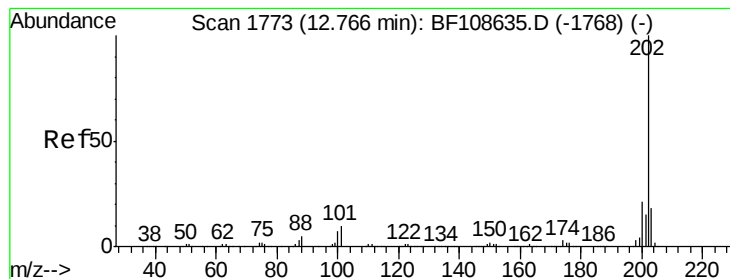
Tot Ion:178 Resp: 275456
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.5 13.0 19.6



#71
Anthracene
Concen: 4.960 ng
RT: 11.61 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Tgt Ion:178 Resp: 69753
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 17.9 12.6 19.0





#74

Fluoranthene

Concen: 15.551 ng

RT: 12.75 min Scan# 1770

Delta R.T. -0.02 min

Lab File: BF108758.D

Acq: 4 Sep 2018 23:05

Instrument :

BNA_F

ClientSampleId :

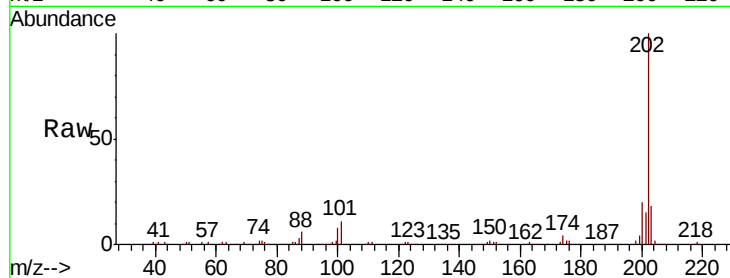
Tot Ion:202 Resp: 234282

Ion Ratio Lower Upper

202 100

101 10.5 0.0 34.1

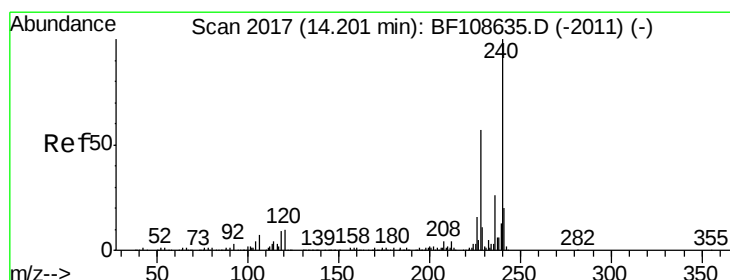
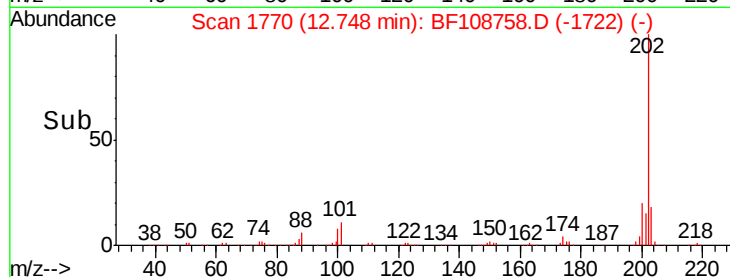
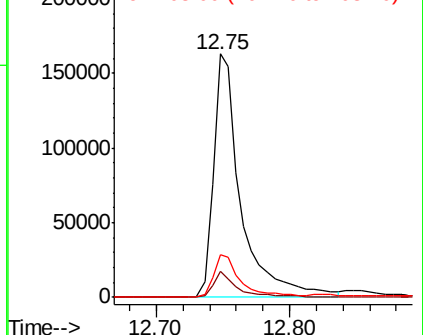
203 17.6 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.02 min

Lab File: BF108758.D

Acq: 4 Sep 2018 23:05

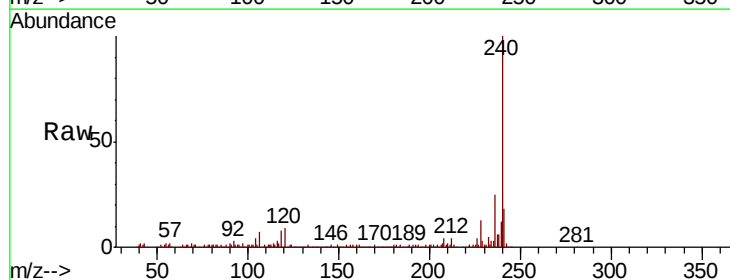
Tgt Ion:240 Resp: 197463

Ion Ratio Lower Upper

240 100

120 9.5 9.5 14.3#

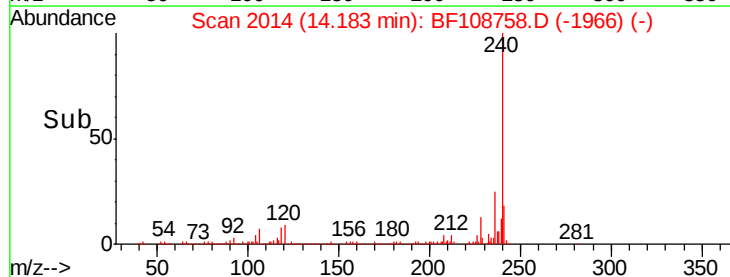
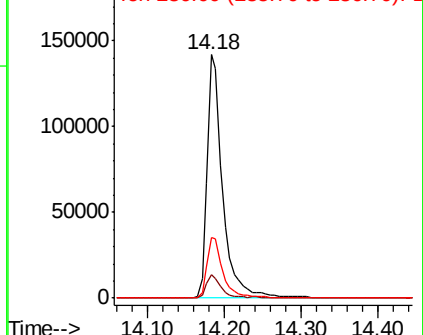
236 24.9 20.7 31.1

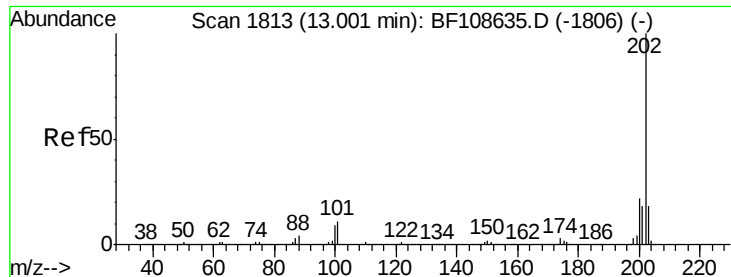


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

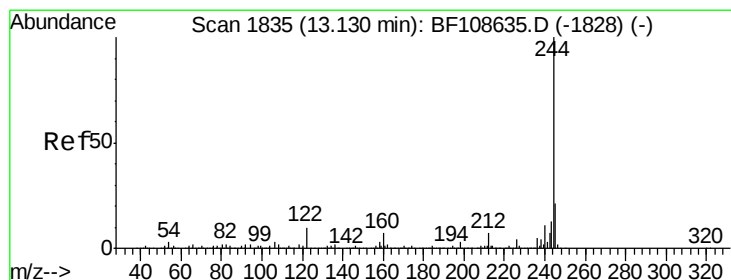
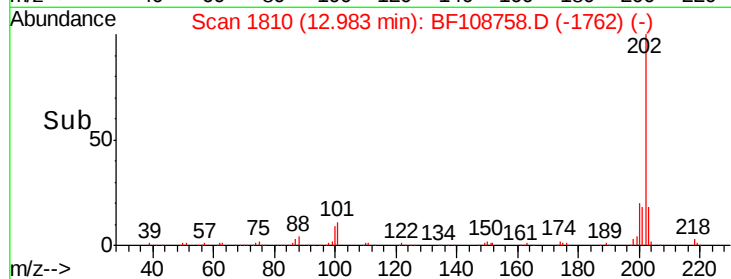
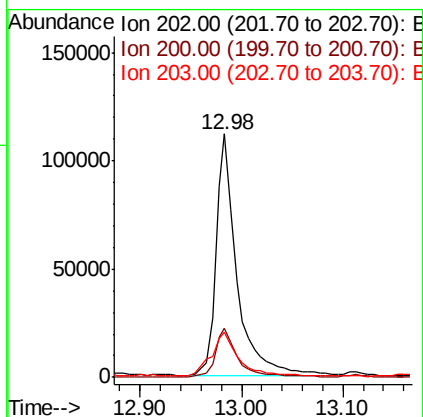
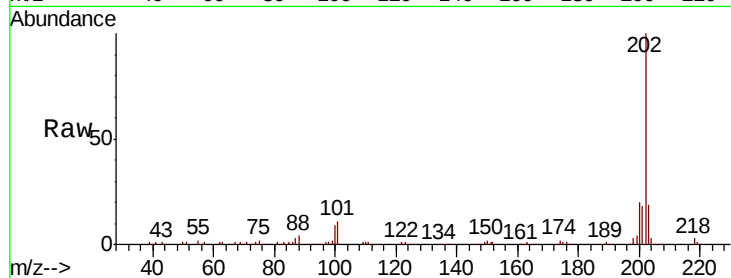




#77
Pvrene
Concen: 10.692 ng
RT: 12.98 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

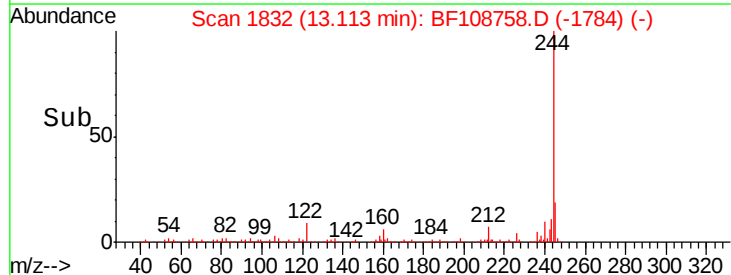
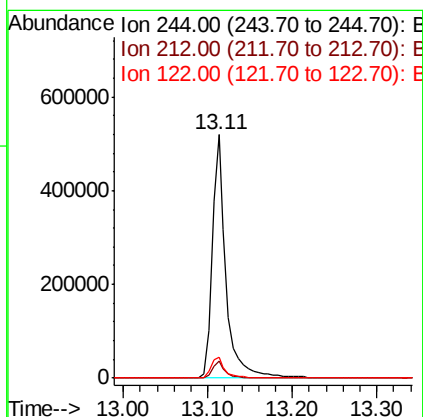
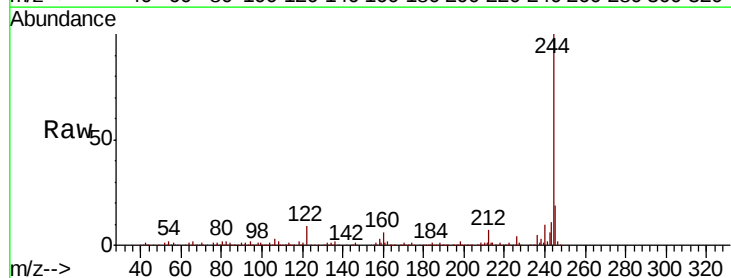
Instrument :
BNA_F
ClientSampled :

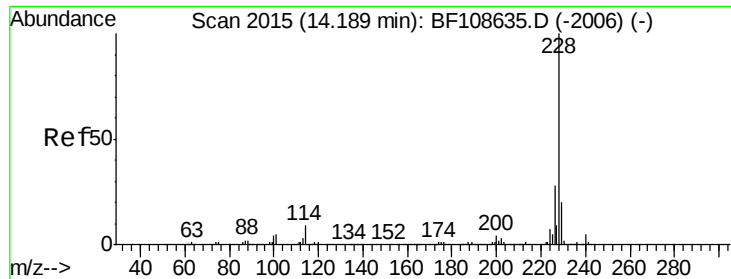
Tot Ion:202 Resp: 158714
Ion Ratio Lower Upper
202 100
200 20.4 17.4 26.2
203 18.6 14.3 21.5



#78
Terphenyl-d14
Concen: 59.118 ng
RT: 13.11 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Tgt Ion:244 Resp: 600821
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 8.8 11.0 16.4#

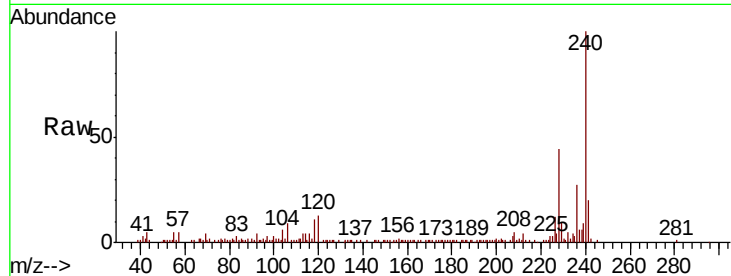




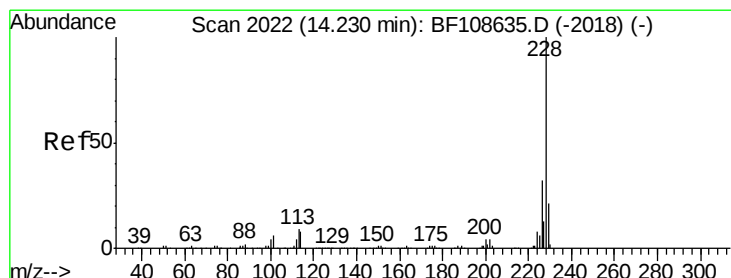
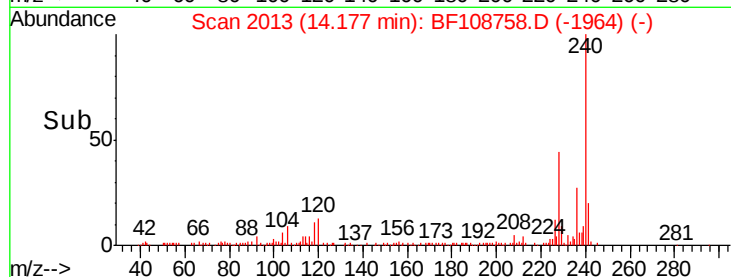
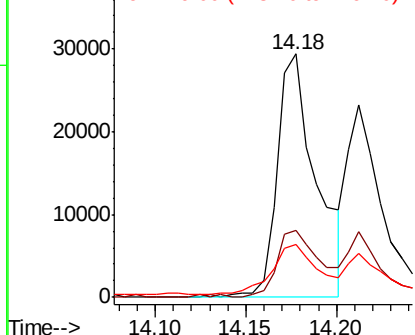
#80
Benzo(a)anthracene
Concen: 3.644 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 43871
Ion Ratio Lower Upper
228 100
226 27.6 22.6 33.8
229 21.7 15.8 23.6

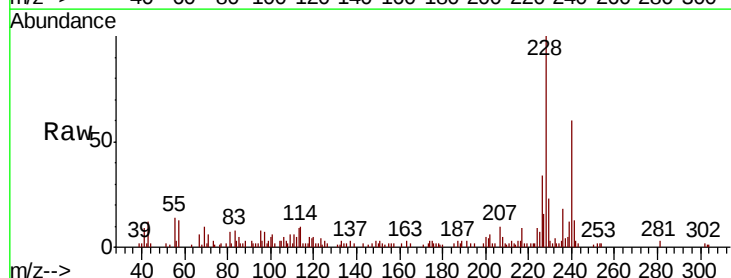


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

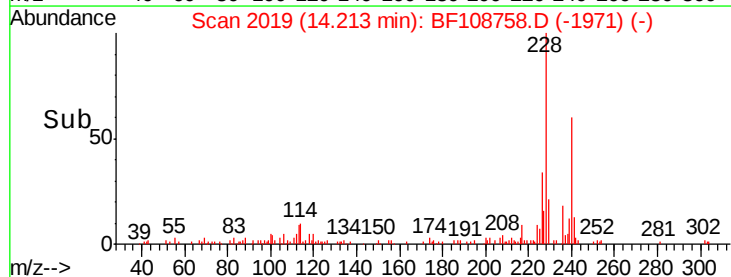
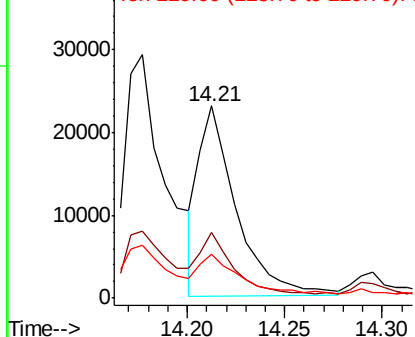


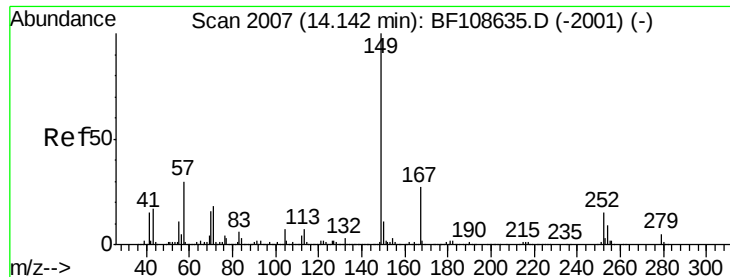
#82
Chrysene
Concen: 2.682 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Tgt Ion:228 Resp: 31045
Ion Ratio Lower Upper
228 100
226 34.0 25.0 37.6
229 23.0 16.2 24.4



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

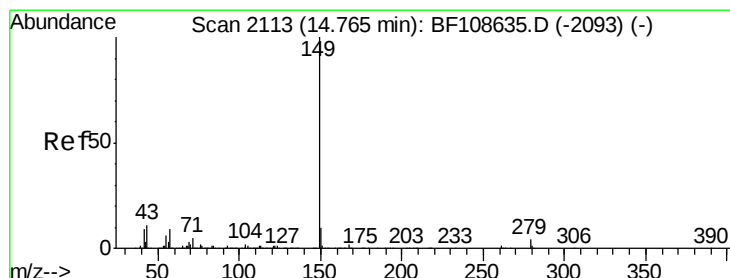
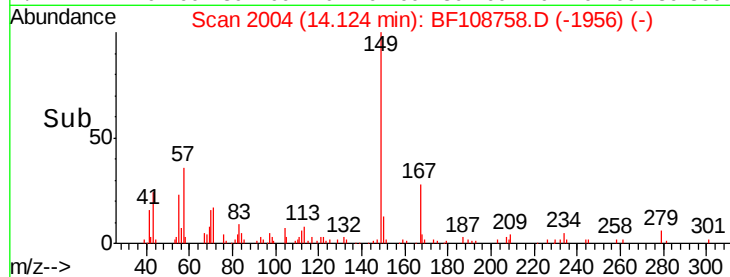
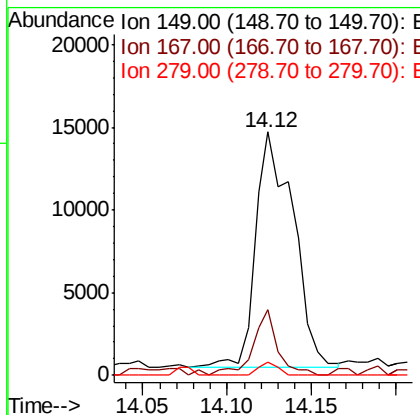
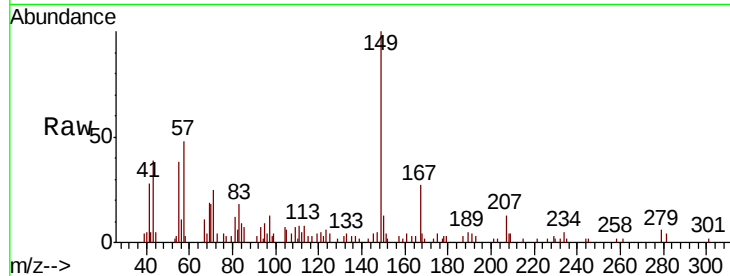




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.766 ng
 RT: 14.12 min Scan# 2004
 Delta R.T. -0.02 min
 Lab File: BF108758.D
 Acq: 4 Sep 2018 23:05

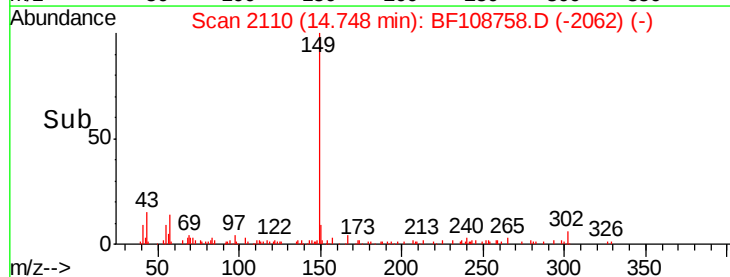
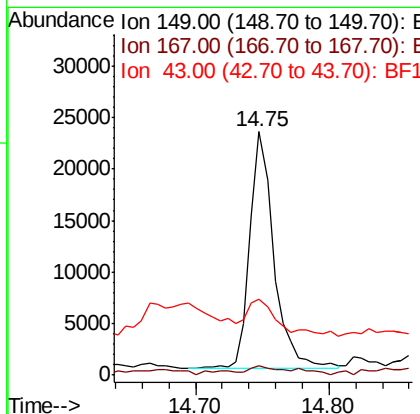
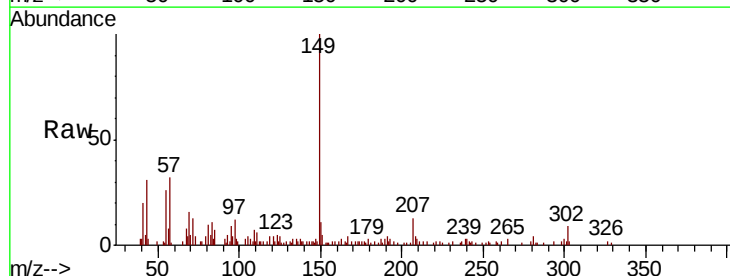
Instrument :
 BNA_F
 ClientSampleId :

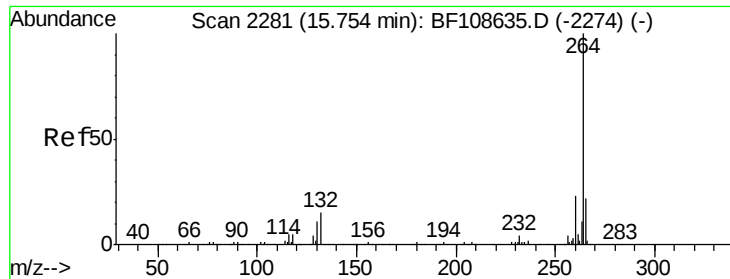
Tot Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.3	31.9
279	5.6	3.0	4.4



#84
 Di-n-octyl phthalate
 Concen: 2.435 ng
 RT: 14.75 min Scan# 2110
 Delta R.T. -0.02 min
 Lab File: BF108758.D
 Acq: 4 Sep 2018 23:05

Tgt Ion	Ratio	Lower	Upper
149	100		
167	6.9	1.2	1.8
43	19.7	8.4	12.6

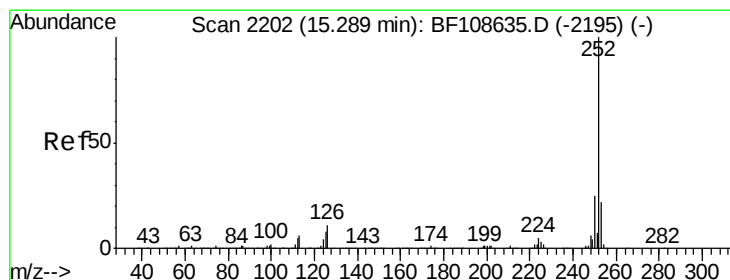
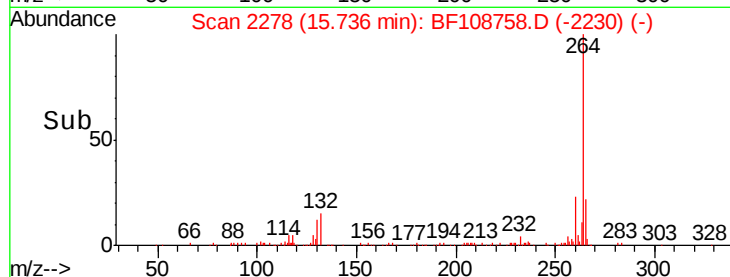
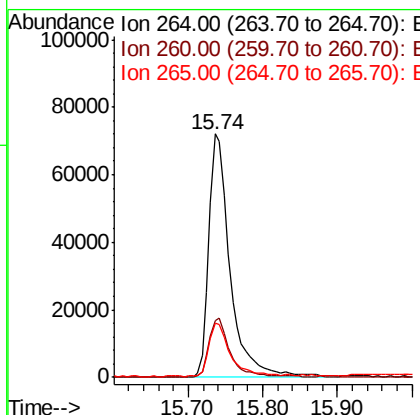
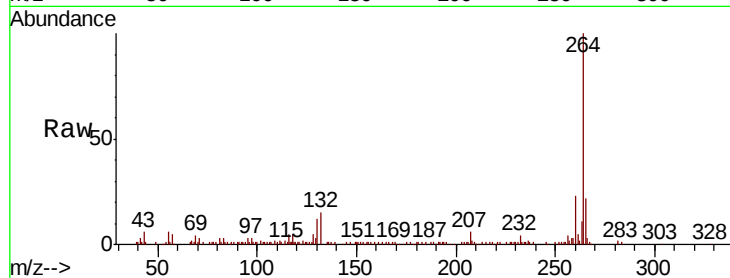




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.74 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

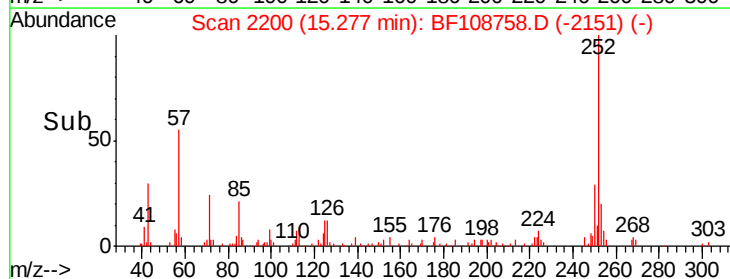
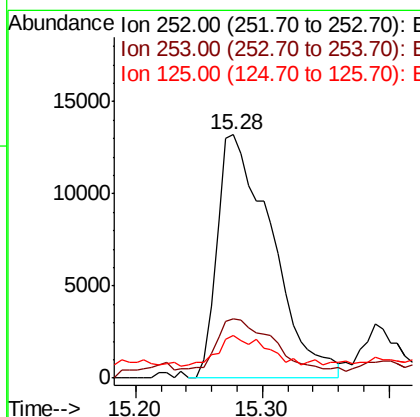
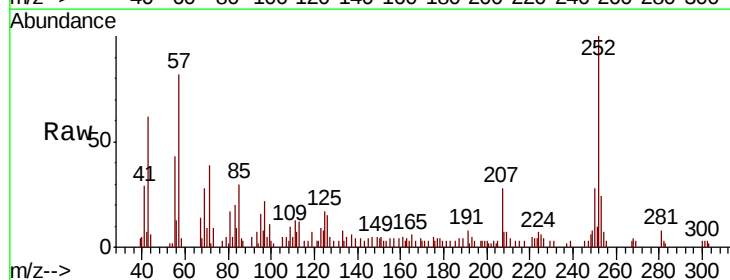
Instrument :
BNA_F
ClientSampleId :

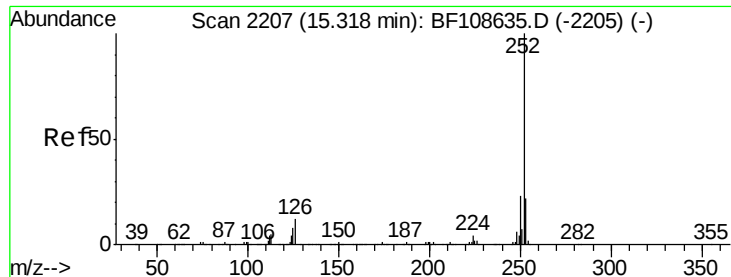
Tot Ion:264 Resp: 143653
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 22.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.487 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Tgt Ion:252 Resp: 39591
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.6
125 17.5 9.0 13.6#

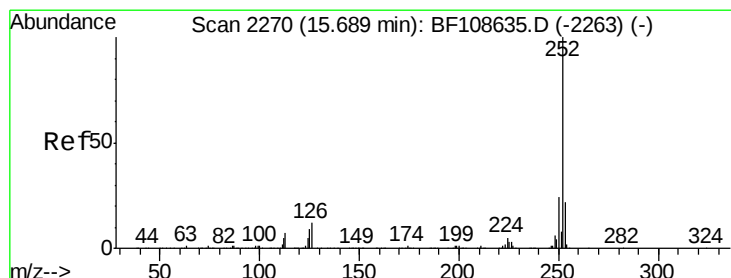
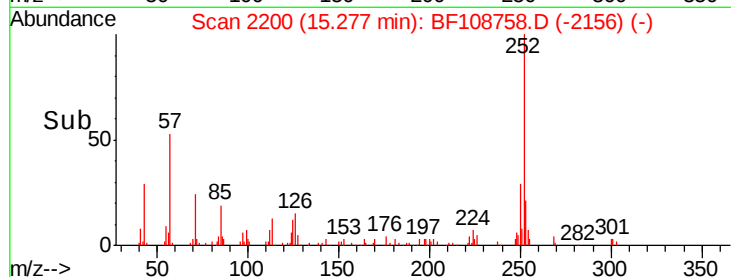
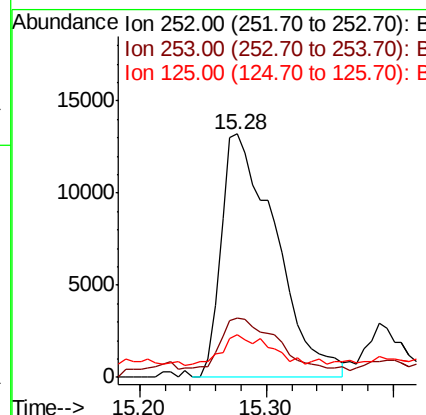
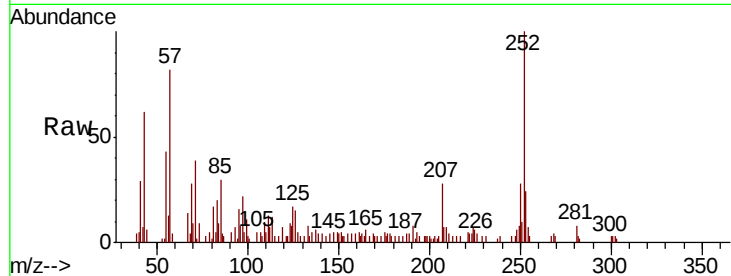




#88
Benzo(k)fluoranthene
Concen: 4.529 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 39591
Ion Ratio Lower Upper
252 100
253 24.1 17.9 26.9
125 17.5 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.362 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Tgt Ion:252 Resp: 18836
Ion Ratio Lower Upper
252 100
253 30.6 17.1 25.7#
125 14.9 9.8 14.6#

