

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
 Data File : BF108858.D
 Acq On : 7 Sep 2018 14:11
 Operator : JU/SJ
 Sample : J4774-01 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 07 14:43:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	266103	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	1044452	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	499282	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	819344	20.00	ng	0.00
75) Chrysene-d12	13.87	240	591933	20.00	ng	0.00
86) Perylene-d12	15.28	264	556008	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	132344	8.24	ng	0.00
7) Phenol-d6	6.36	99	176850	8.56	ng	0.00
23) Nitrobenzene-d5	7.29	82	103324	6.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	28431	5.96	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	211906	7.24	ng	0.00
78) Terphenyl-d14	12.82	244	161360	6.36	ng	0.00

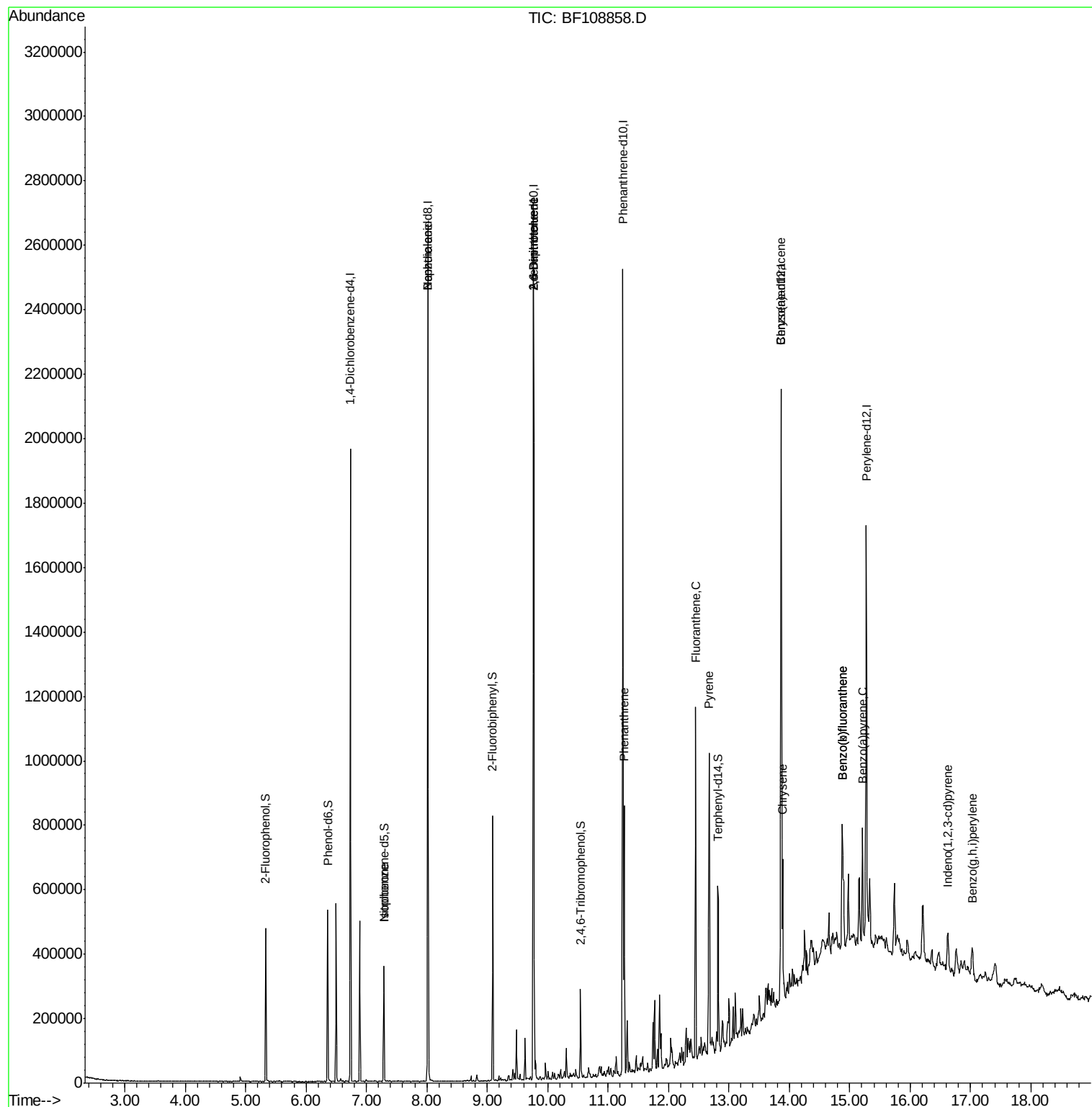
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.29	82	102628	3.083	ng	# 64
32) Benzoic acid	8.02	122	169	4.036	ng	# 1
50) 2,6-Dinitrotoluene	9.77	165	64849	9.746	ng	# 25
56) 2,4-Dinitrotoluene	9.77	165	64849	7.621	ng	# 23
70) Phenanthrene	11.27	178	263009	6.722	ng	98
74) Fluoranthene	12.45	202	390915	10.091	ng	98
77) Pyrene	12.68	202	387815	8.514	ng	99
80) Benzo(a)anthracene	13.86	228	186204	4.908	ng	# 92
82) Chrysene	13.89	228	174056	4.739	ng	97
85) Indeno(1,2,3-cd)pyrene	16.62	276	79140	2.435	ng	93
87) Benzo(b)fluoranthene	14.88	252	284979	9.426	ng	96
88) Benzo(k)fluoranthene	14.88	252	284979	10.236	ng	99
89) Benzo(a)pyrene	15.21	252	147031	5.390	ng	96
91) Benzo(a,h,i)perylene	17.03	276	72417	3.009	ng	96

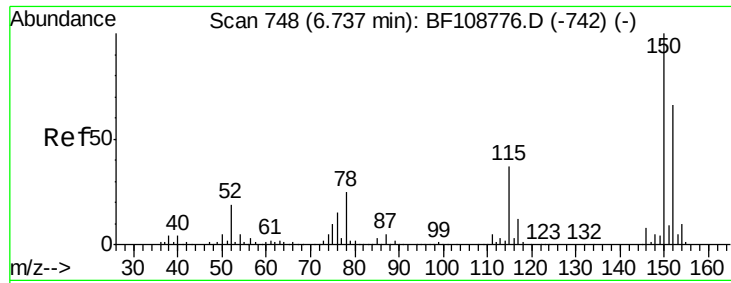
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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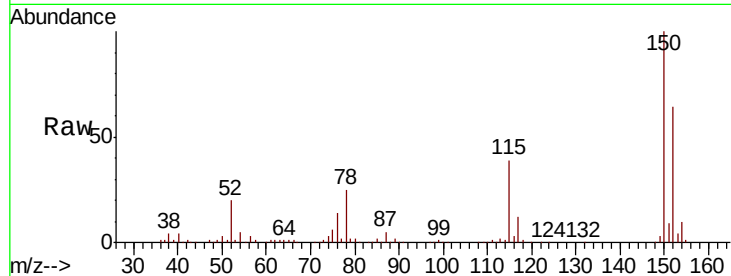


#1

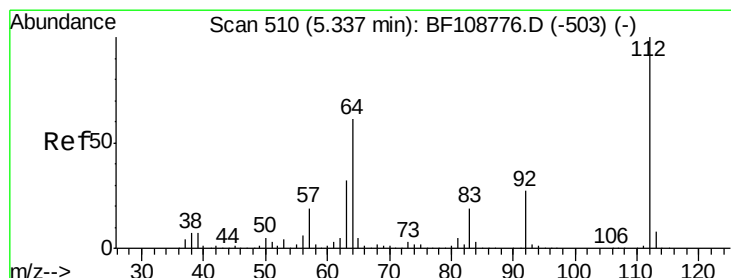
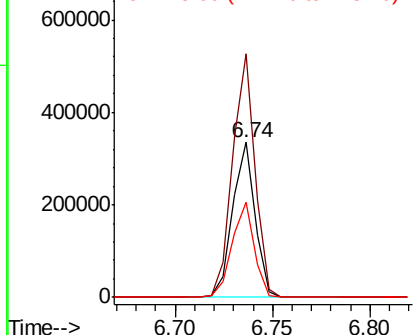
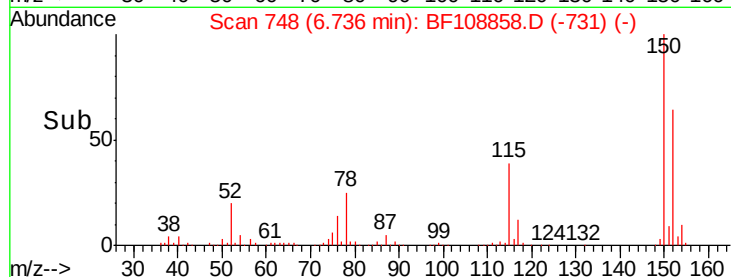
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF108858.D
 Acq: 7 Sep 2018 14:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	61.6	50.1	75.1



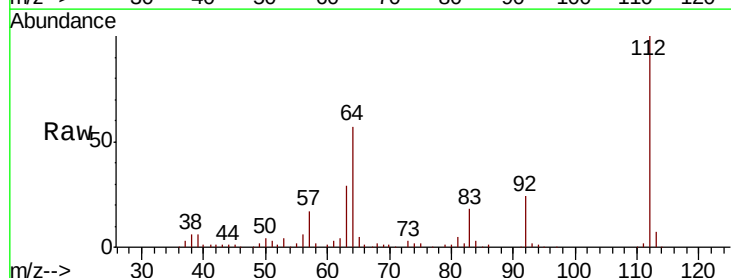
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



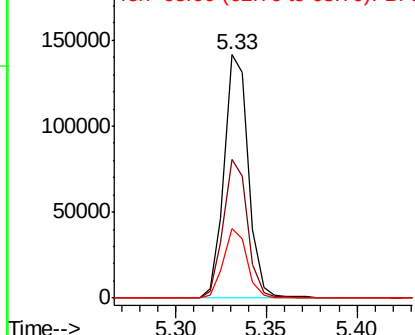
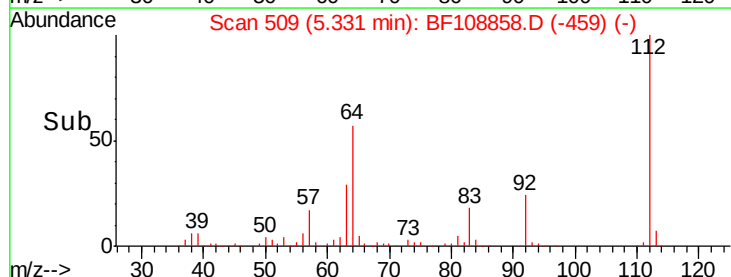
#5

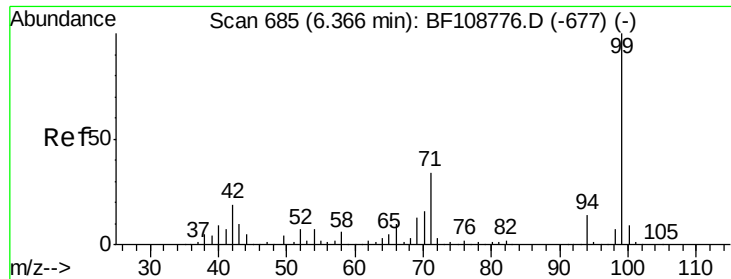
2-Fluorophenol
 Concen: 8.239 ng
 RT: 5.33 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: BF108858.D
 Acq: 7 Sep 2018 14:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	47.9	71.9
63	28.5	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: 8.557 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF108858.D

Acq: 7 Sep 2018 14:11

Instrument :

BNA_G

ClientSampled :

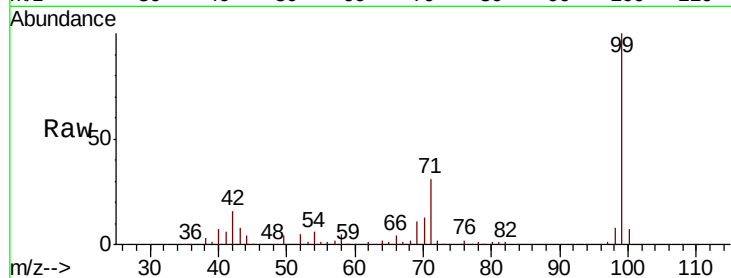
Tot Ion: 99 Resp: 176850

Ion Ratio Lower Upper

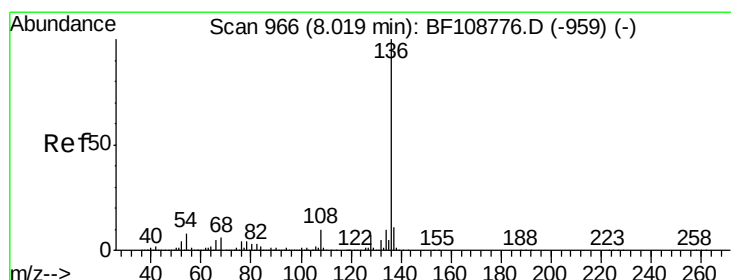
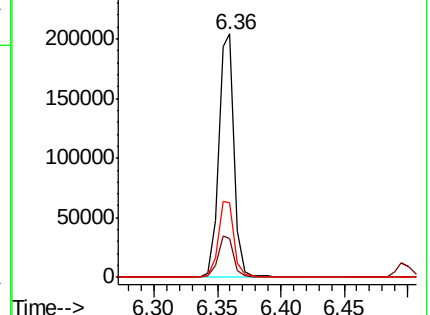
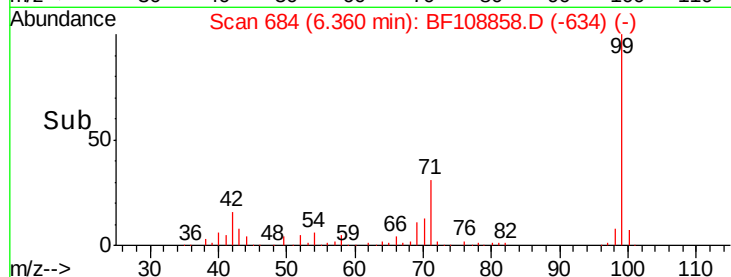
99 100

42 16.1 14.5 21.7

71 30.9 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF108858.D

Acq: 7 Sep 2018 14:11

Tgt Ion: 136 Resp: 1044452

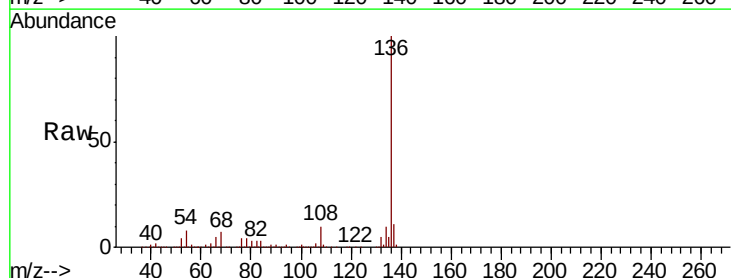
Ion Ratio Lower Upper

136 100

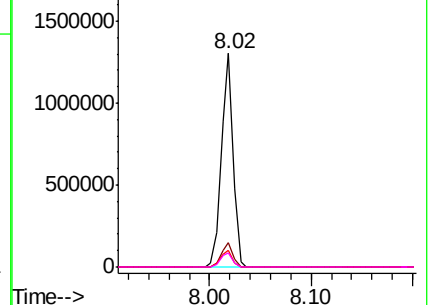
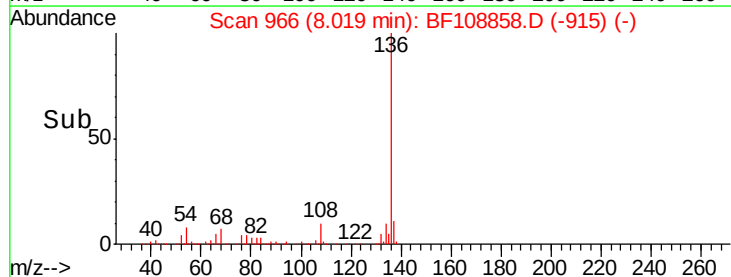
137 11.5 8.9 13.3

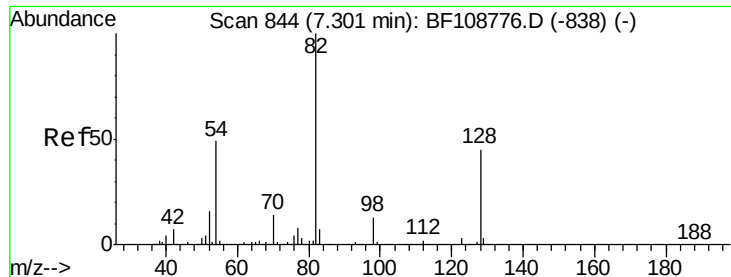
54 7.6 6.6 9.8

68 6.8 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

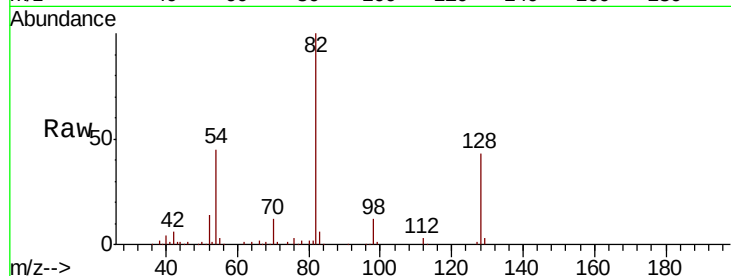




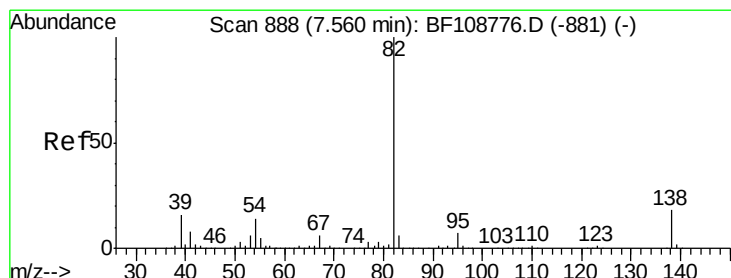
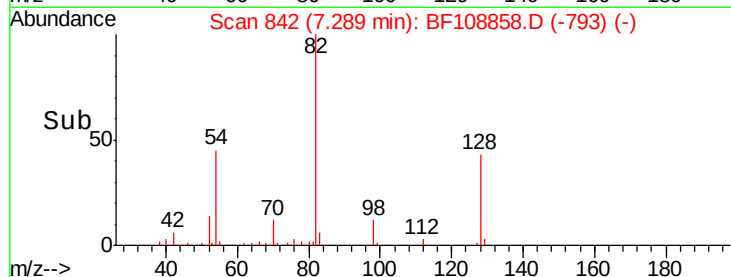
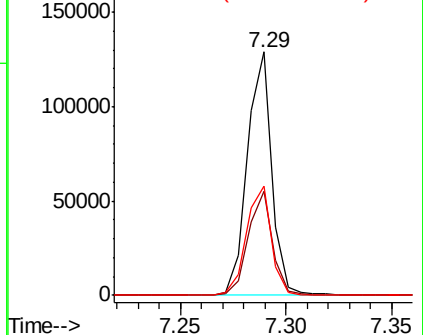
#23
Nitrobenzene-d5
Concen: 6.191 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 103324
Ion Ratio Lower Upper
82 100
128 43.0 36.1 54.1
54 44.9 41.4 62.2

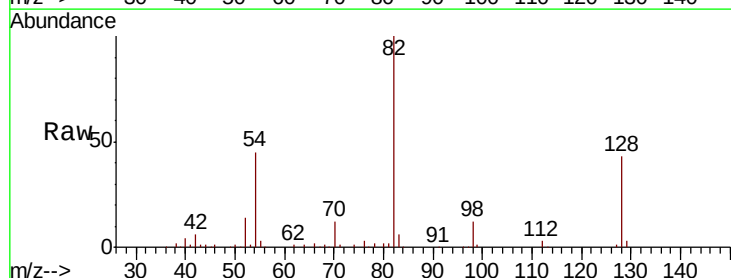


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

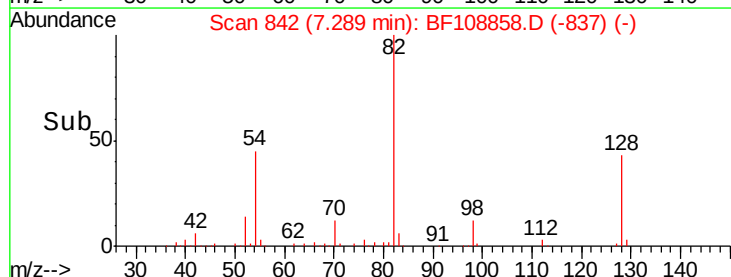
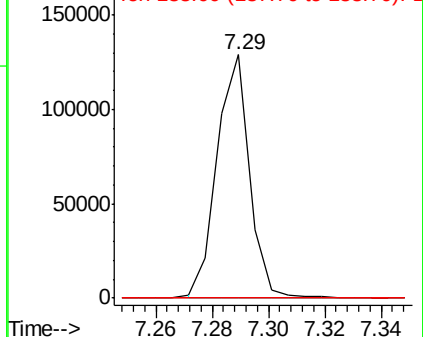


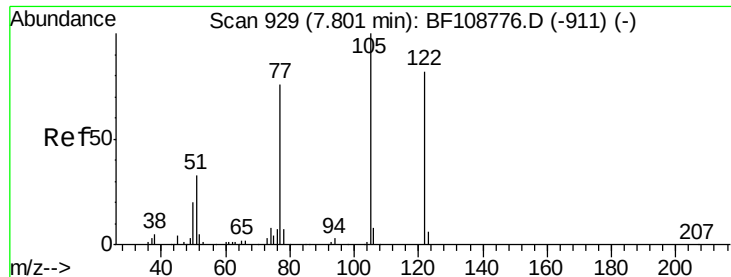
#25
Isophorone
Concen: 3.083 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.27 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion: 82 Resp: 102628
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

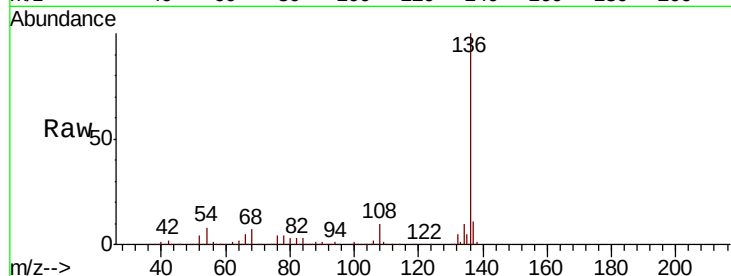




#32
Benzoic acid
Concen: 4.036 ng
RT: 8.02 min Scan# 966
Delta R.T. 0.22 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	184.3	101.1	141.1#
77	879.1	70.7	110.7#

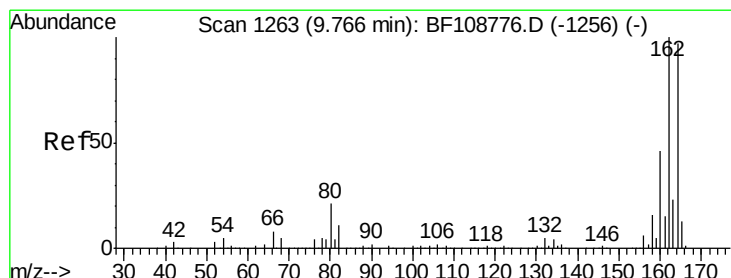
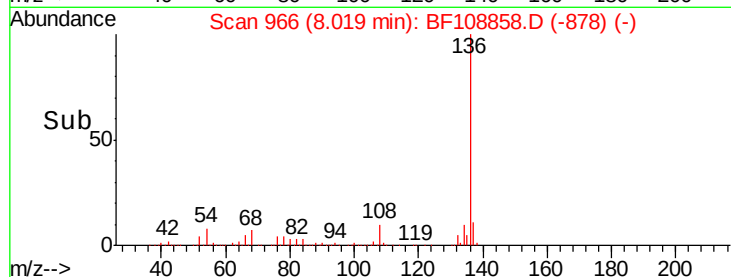
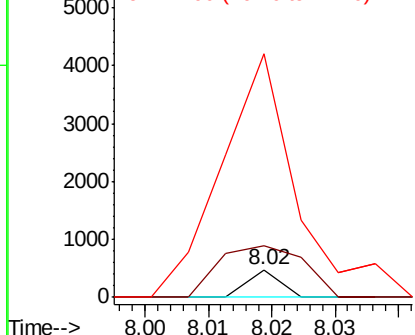


Abundance

Ion 122.00 (121.70 to 122.70): E

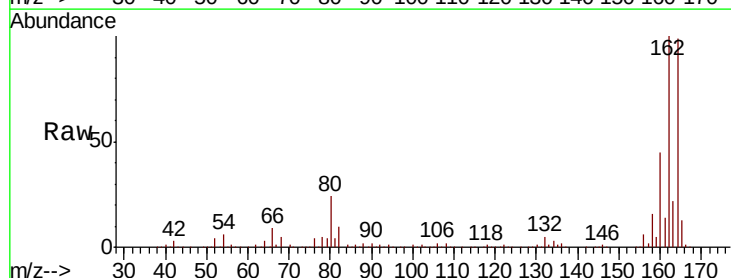
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	86.1	129.1
160	45.7	38.3	57.5

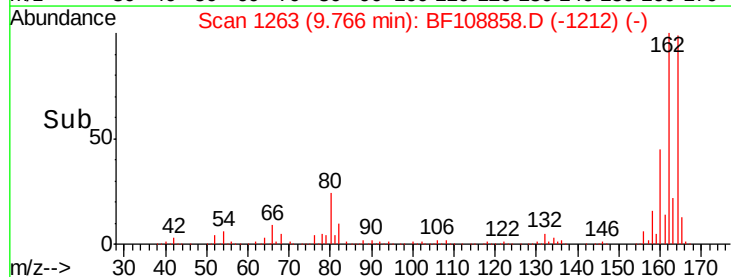
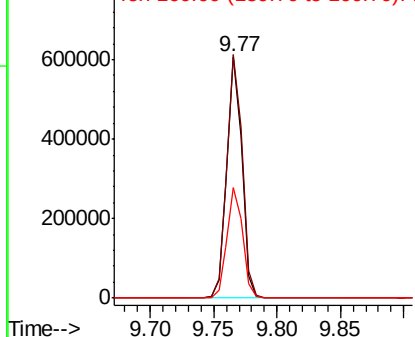


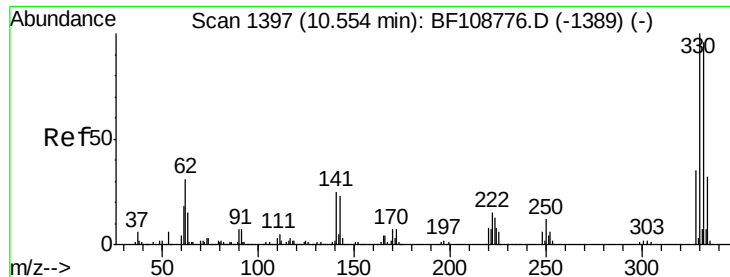
Abundance

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

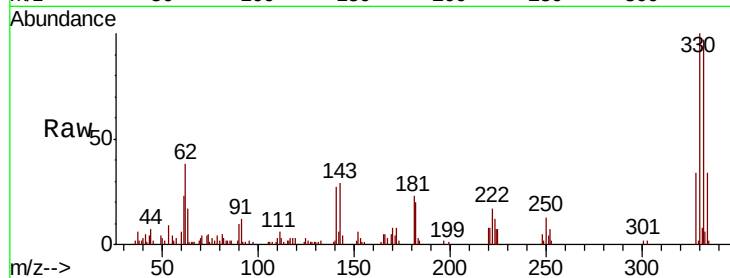




#41
 2,4,6-Tribromophenol
 Concen: 5.965 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108858.D
 Acq: 7 Sep 2018 14:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.8	77.0	115.6
141	36.7	29.9	44.9

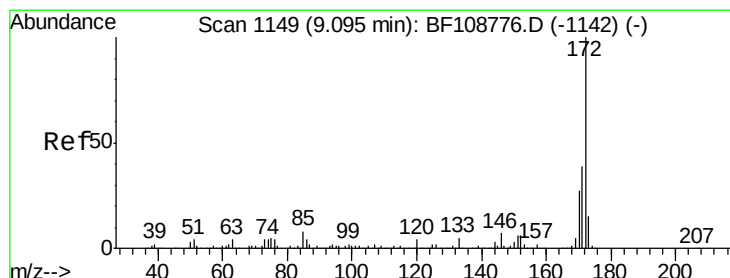
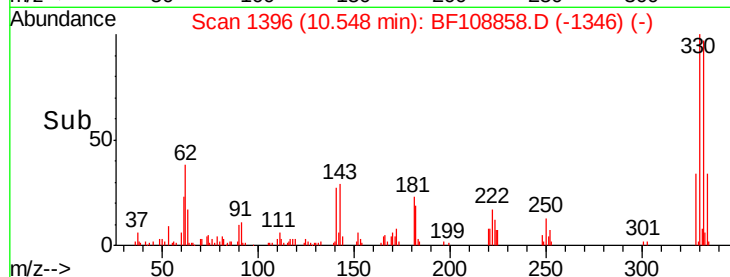
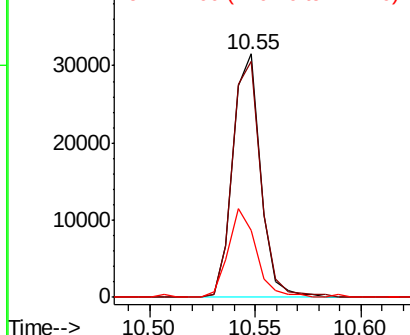


Abundance

Ion 329.80 (329.50 to 330.50): E

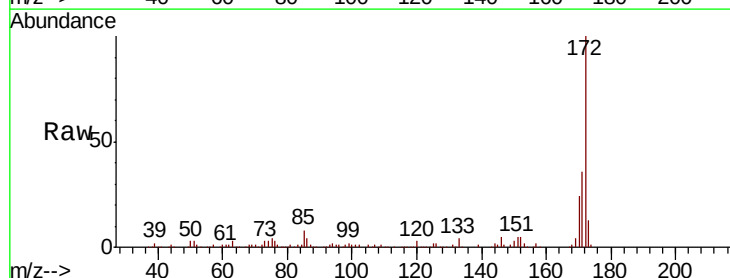
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 7.241 ng
 RT: 9.09 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BF108858.D
 Acq: 7 Sep 2018 14:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.5	19.6	29.4

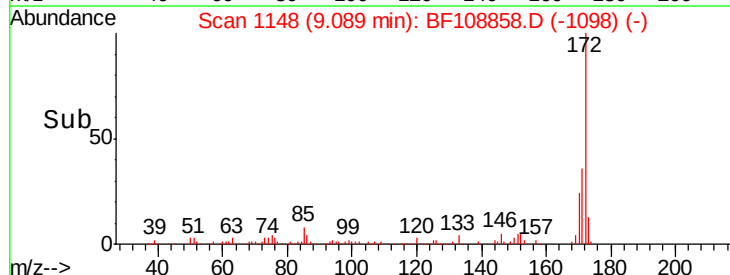
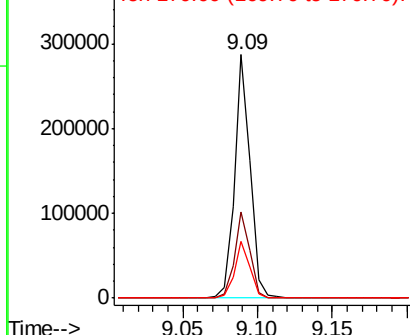


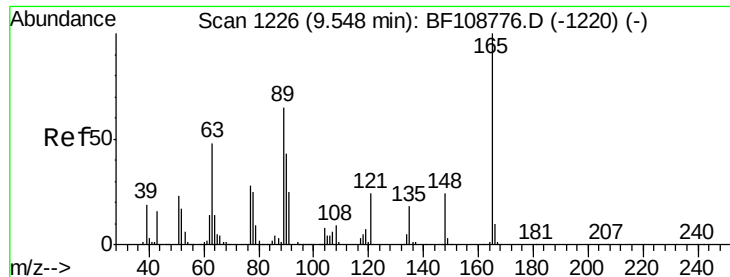
Abundance

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

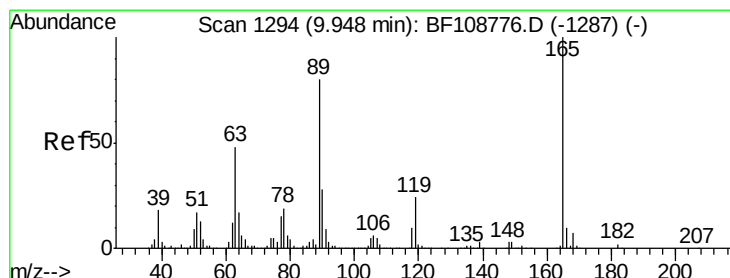
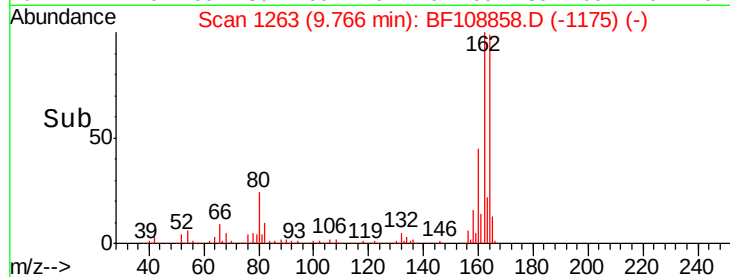
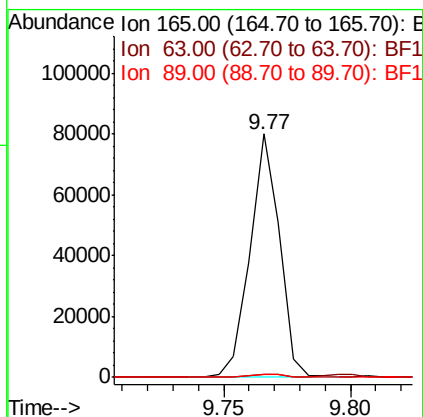
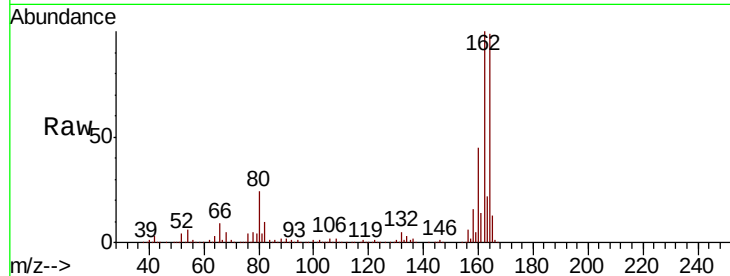




#50
 2,6-Dinitrotoluene
 Concen: 9.746 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. 0.22 min
 Lab File: BF108858.D
 Acq: 7 Sep 2018 14:11

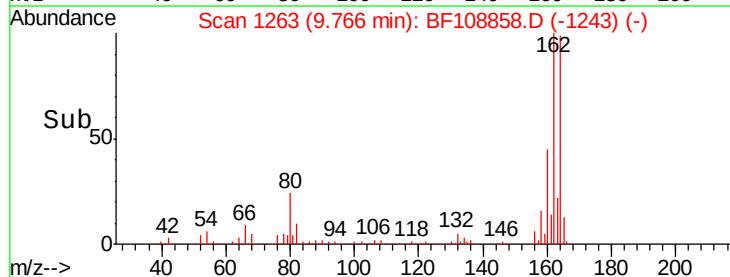
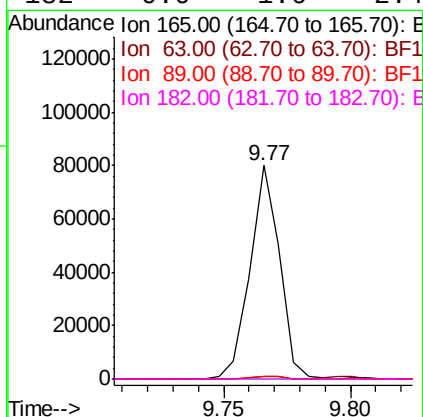
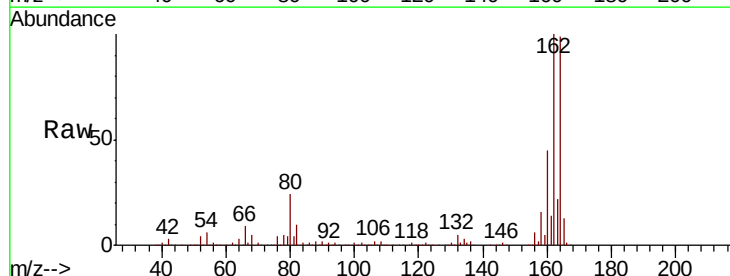
Instrument :
 BNA_G
 ClientSampled :

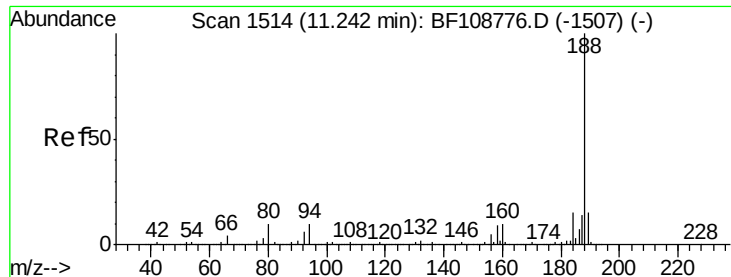
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.3	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 7.621 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.18 min
 Lab File: BF108858.D
 Acq: 7 Sep 2018 14:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

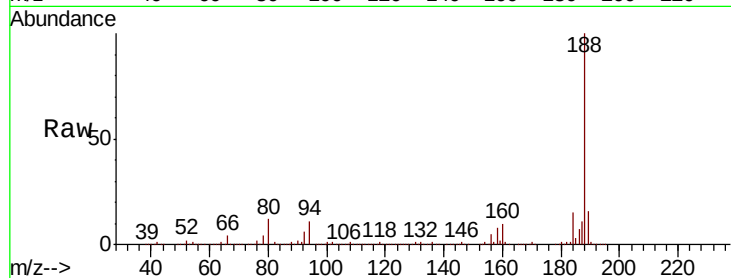




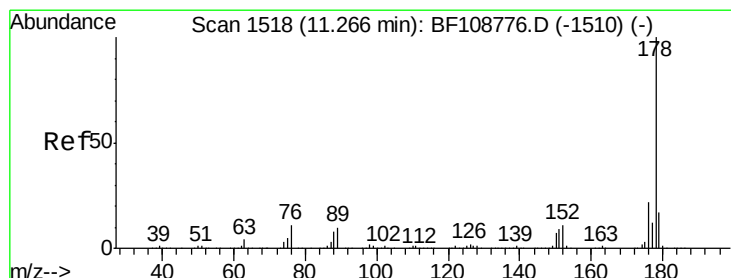
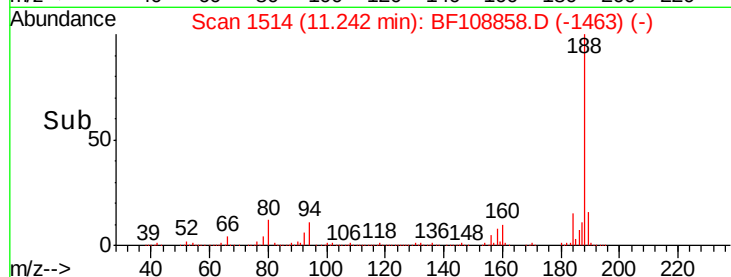
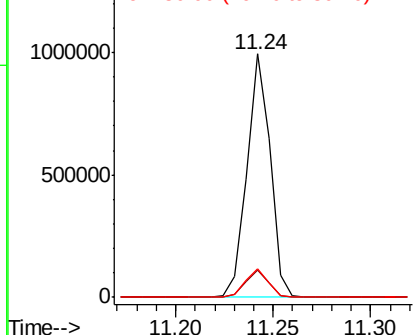
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Instrument :
BNA_G
ClientSampled :

Tot Ion:188 Resp: 819344
Ion Ratio Lower Upper
188 100
94 11.1 8.5 12.7
80 11.7 9.2 13.8

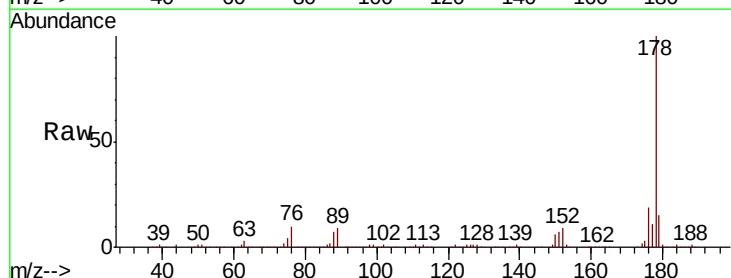


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

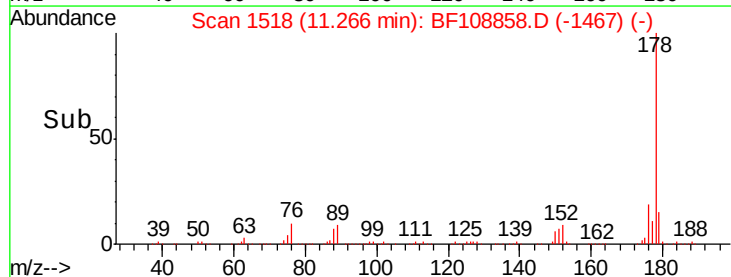
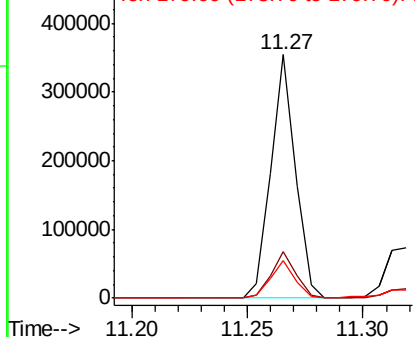


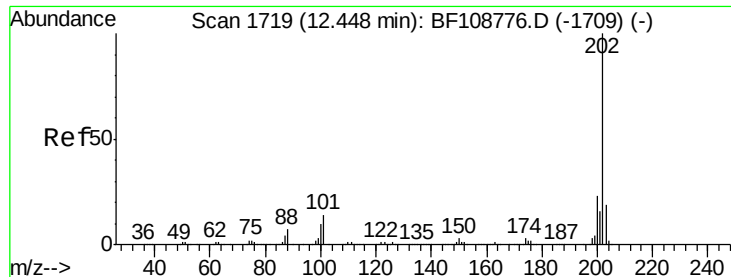
#70
Phenanthrene
Concen: 6.722 ng
RT: 11.27 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion:178 Resp: 263009
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.5 13.0 19.6



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





#74

Fluoranthene

Concen: 10.091 ng

RT: 12.45 min Scan# 1719

Delta R.T. -0.00 min

Lab File: BF108858.D

Acq: 7 Sep 2018 14:11

Instrument :

BNA_G

ClientSampleId :

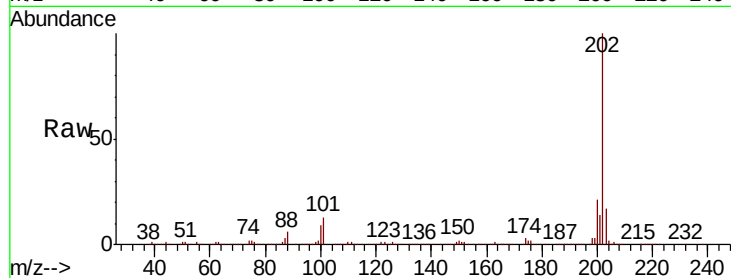
Tot Ion:202 Resp: 390915

Ion Ratio Lower Upper

202 100

101 12.9 0.0 34.1

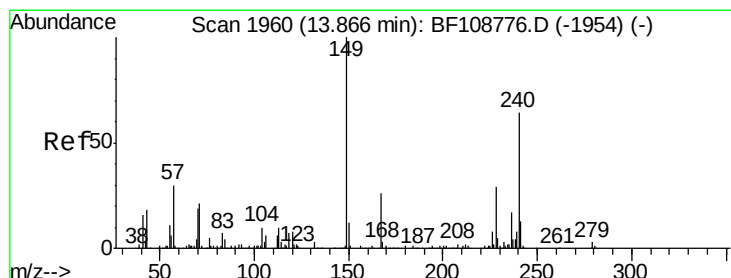
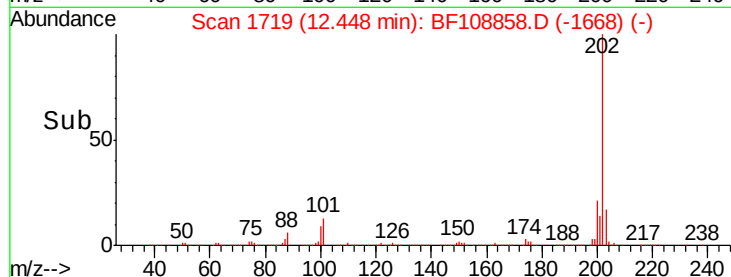
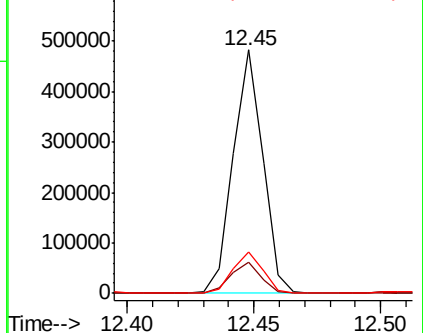
203 17.2 0.0 38.1



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: 13.87 min Scan# 1961

Delta R.T. 0.01 min

Lab File: BF108858.D

Acq: 7 Sep 2018 14:11

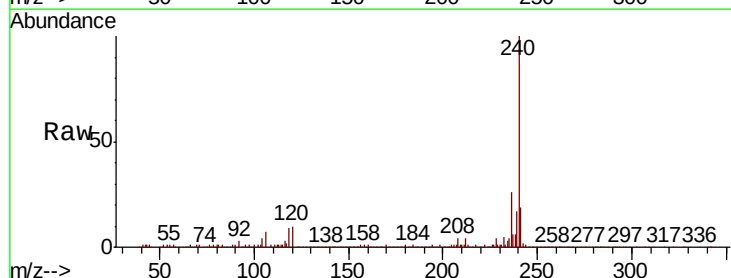
Tgt Ion:240 Resp: 591933

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

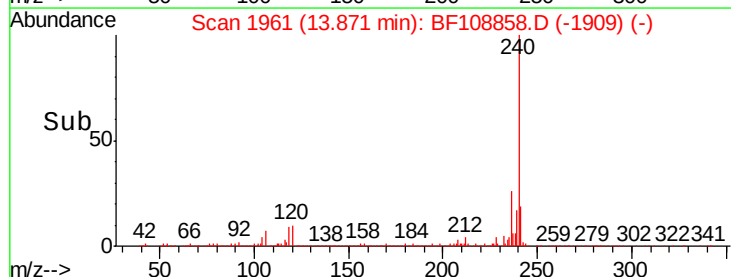
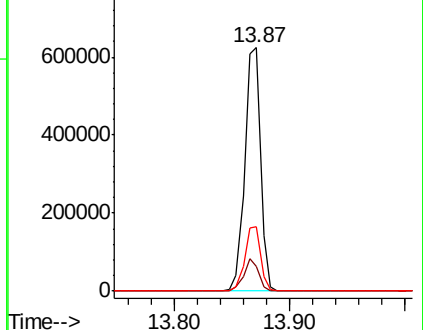
236 26.2 20.7 31.1

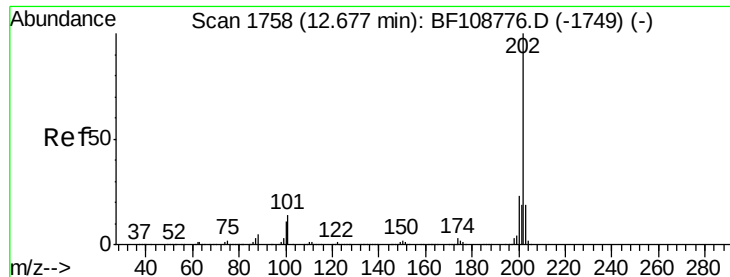


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.514 ng

RT: 12.68 min Scan# 1758

Delta R.T. -0.00 min

Lab File: BF108858.D

Acq: 7 Sep 2018 14:11

Instrument :

BNA_G

ClientSampled :

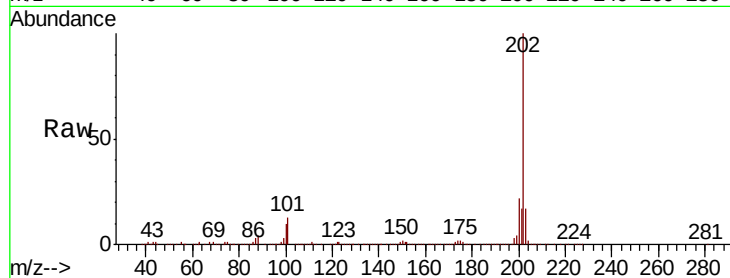
Tot Ion:202 Resp: 387815

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

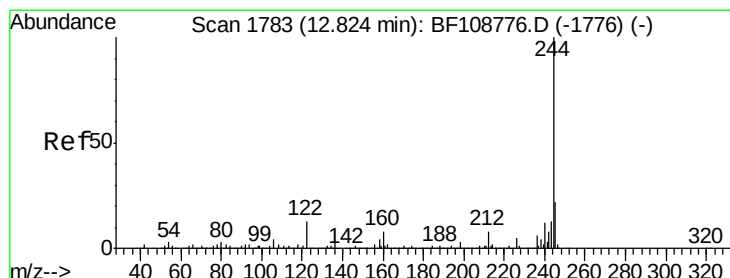
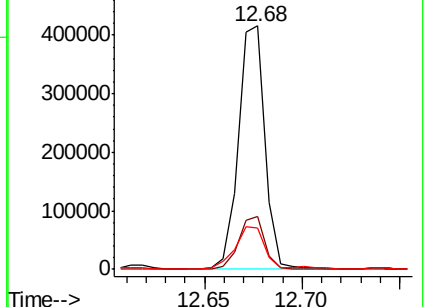
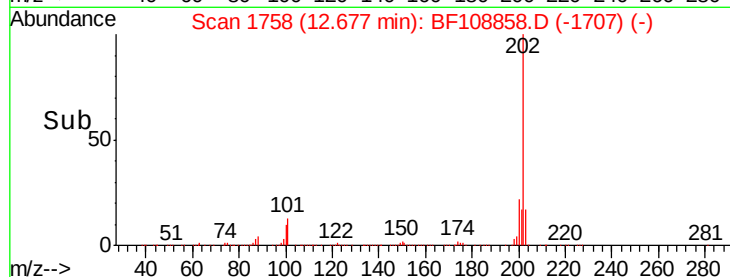
203 17.1 14.3 21.5



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



#78

Terphenyl-d14

Concen: 6.357 ng

RT: 12.82 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF108858.D

Acq: 7 Sep 2018 14:11

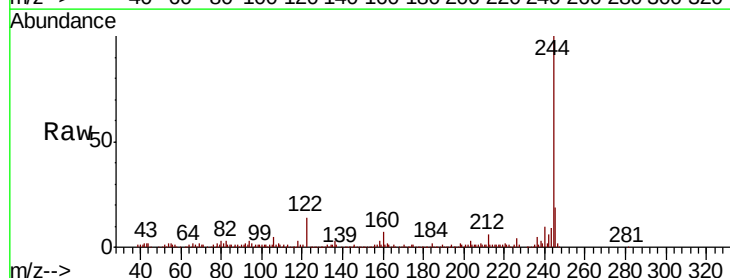
Tgt Ion:244 Resp: 161360

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

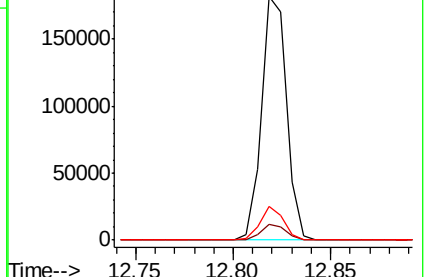
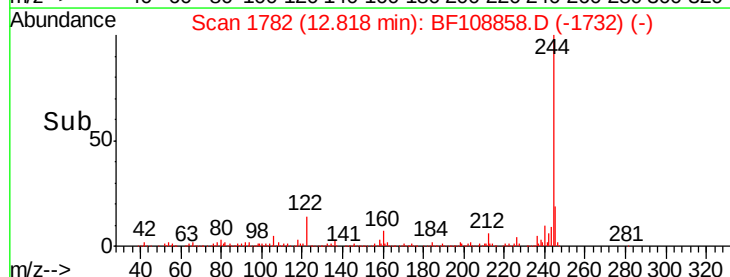
122 13.7 11.0 16.4

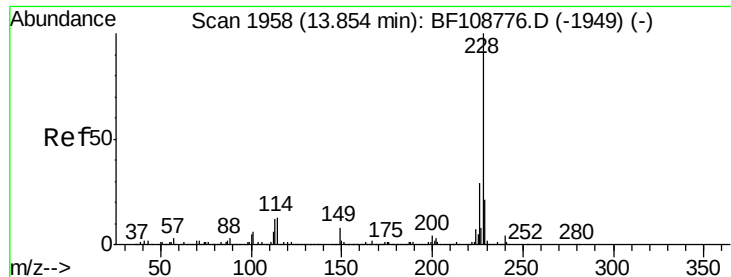


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.908 ng

RT: 13.86 min Scan# 1959

Delta R.T. 0.01 min

Lab File: BF108858.D

Acq: 7 Sep 2018 14:11

Instrument :

BNA_G

ClientSampled :

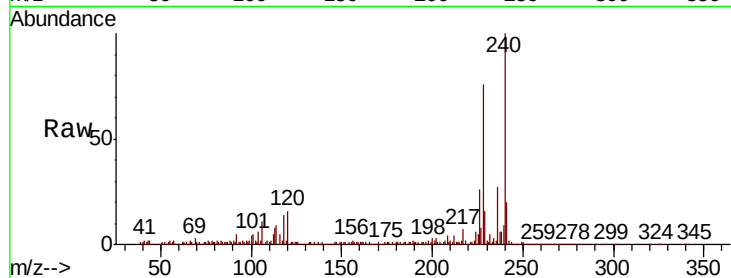
Tot Ion:228 Resp: 186204

Ion Ratio Lower Upper

228 100

226 34.3 22.6 33.8#

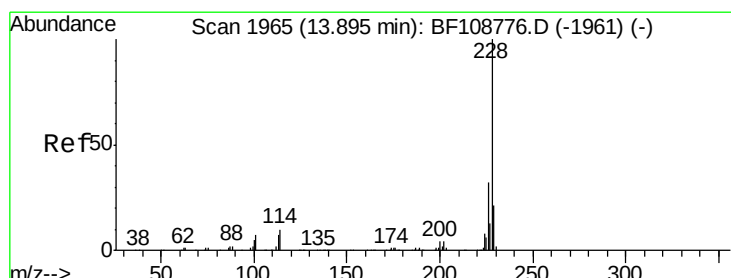
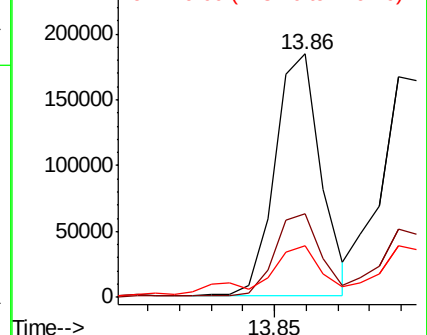
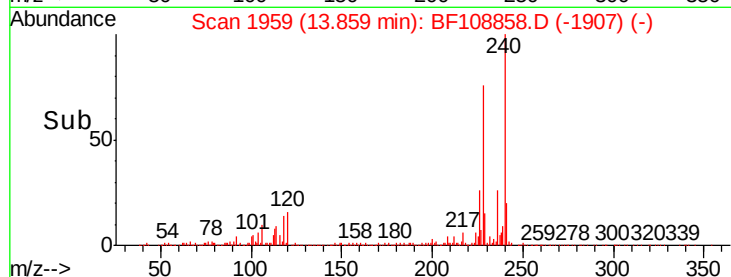
229 21.0 15.8 23.6



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: 4.739 ng

RT: 13.89 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BF108858.D

Acq: 7 Sep 2018 14:11

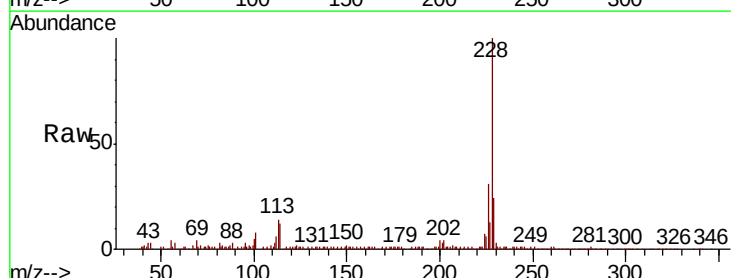
Tgt Ion:228 Resp: 174056

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

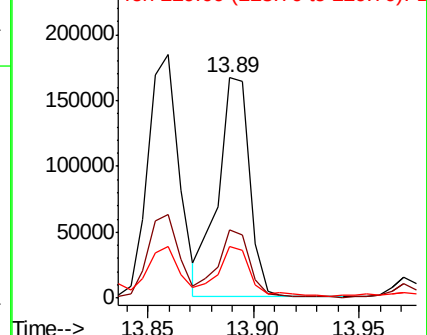
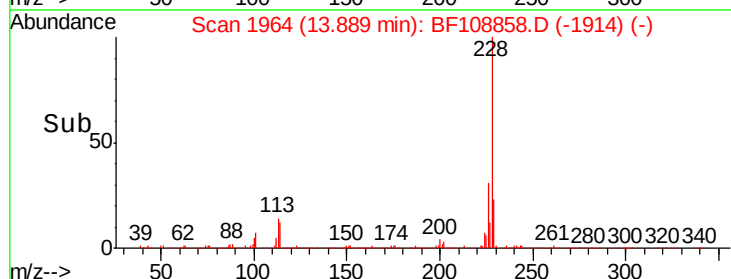
229 23.7 16.2 24.4

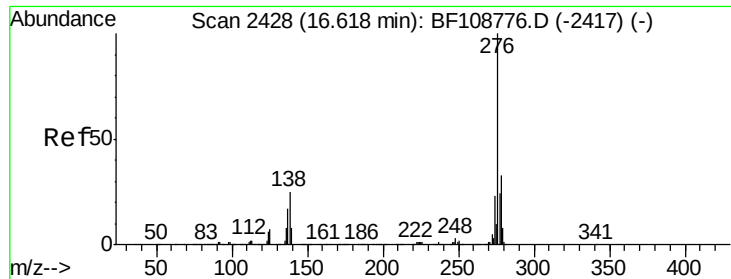


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

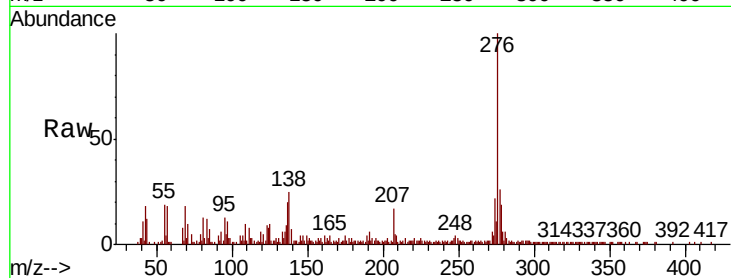




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.435 ng
 RT: 16.62 min Scan# 2429
 Delta R.T. 0.01 min
 Lab File: BF108858.D
 Acq: 7 Sep 2018 14:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.1	25.0	37.6
277	26.9	20.1	30.1

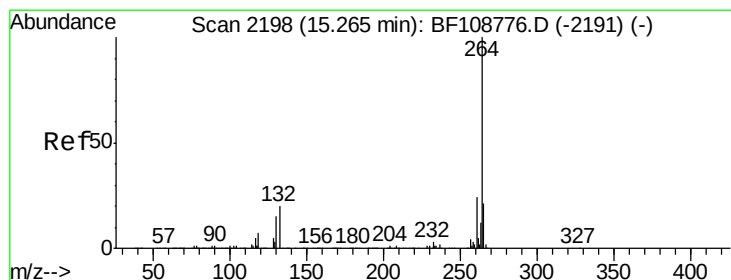
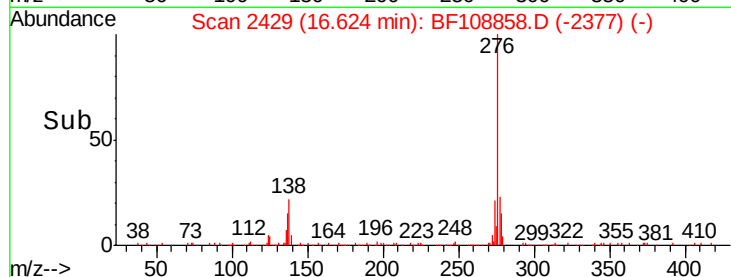
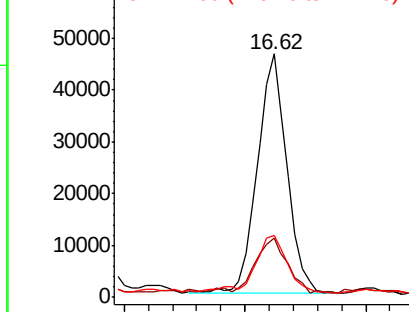


Abundance

Ion 276.00 (275.70 to 276.70): E

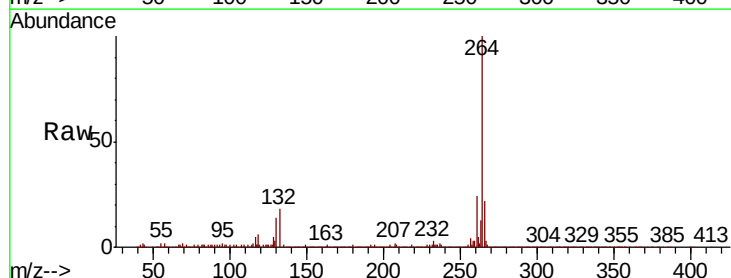
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2200
 Delta R.T. 0.01 min
 Lab File: BF108858.D
 Acq: 7 Sep 2018 14:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.7	17.5	26.3

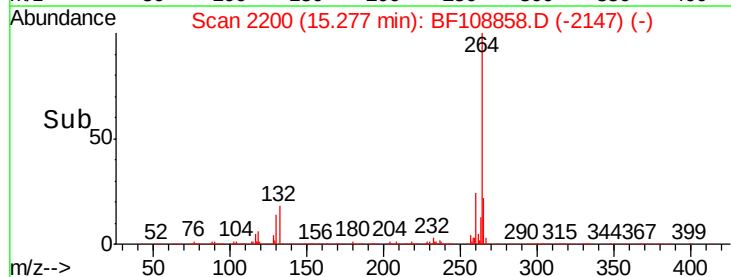
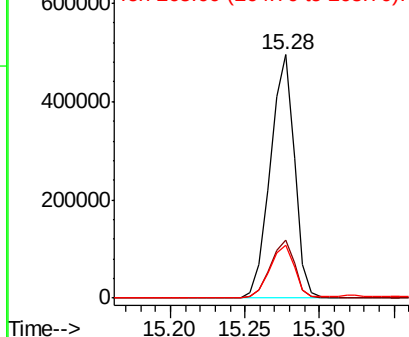


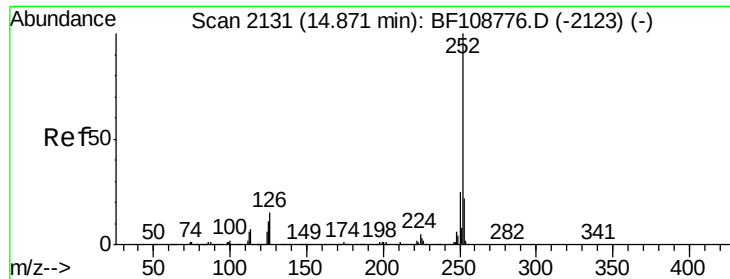
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 9.426 ng

RT: 14.88 min Scan# 2132

Delta R.T. 0.01 min

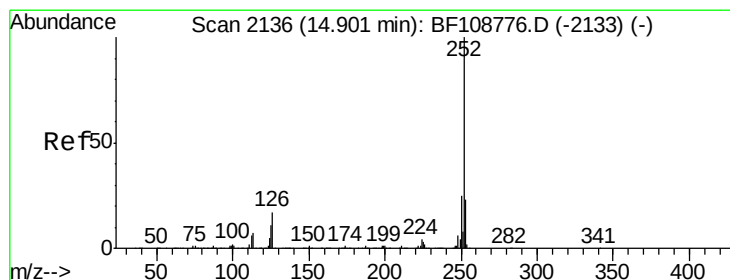
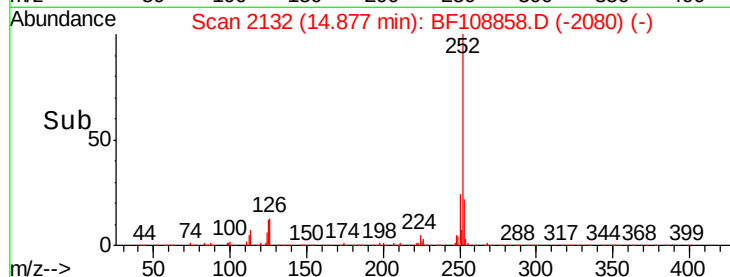
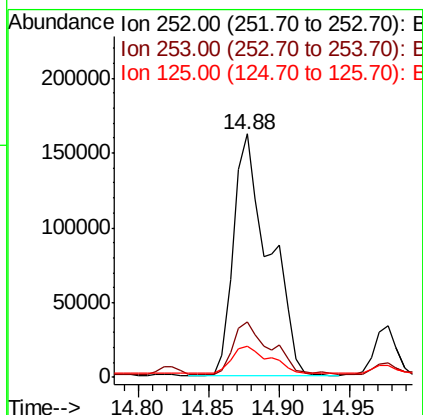
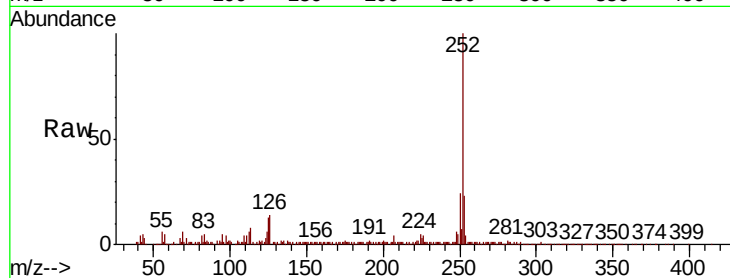
Lab File: BF108858.D

Acq: 7 Sep 2018 14:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:252 Resp: 284979

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	13.0	9.0	13.6



#88

Benzo(k)fluoranthene

Concen: 10.236 ng

RT: 14.88 min Scan# 2132

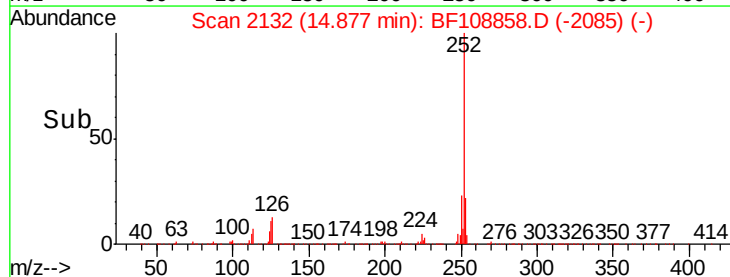
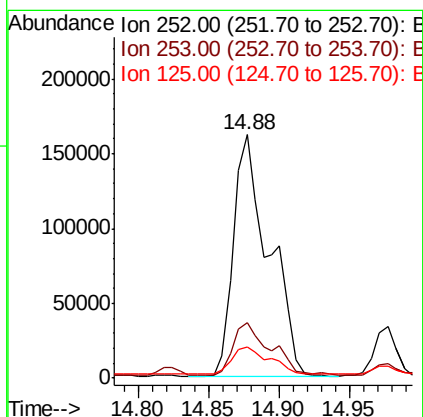
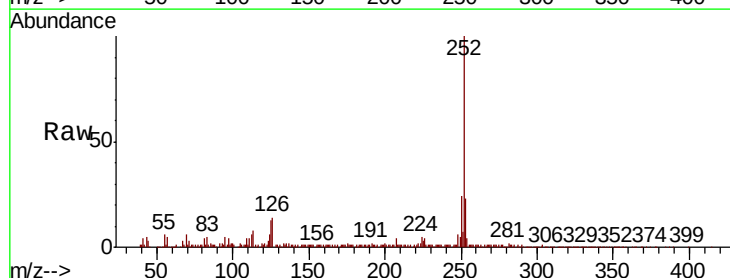
Delta R.T. -0.02 min

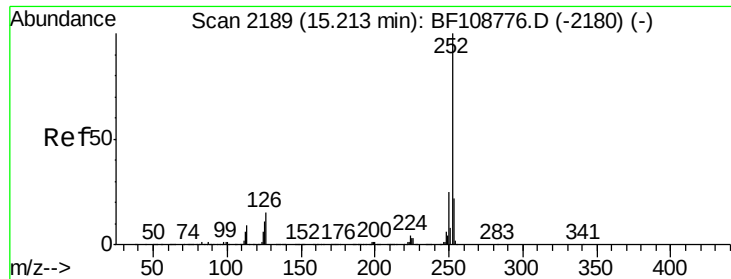
Lab File: BF108858.D

Acq: 7 Sep 2018 14:11

Tgt Ion:252 Resp: 284979

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	13.0	10.2	15.2





#89

Benzo(a)pyrene

Concen: 5.390 ng

RT: 15.21 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BF108858.D

Acq: 7 Sep 2018 14:11

Instrument :

BNA_G

ClientSampleId :

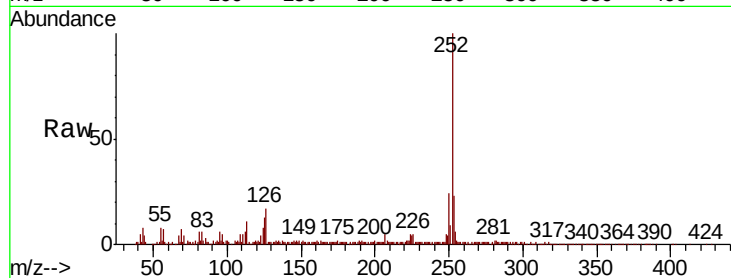
Tot Ion:252 Resp: 147031

Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

125 13.4 9.8 14.6

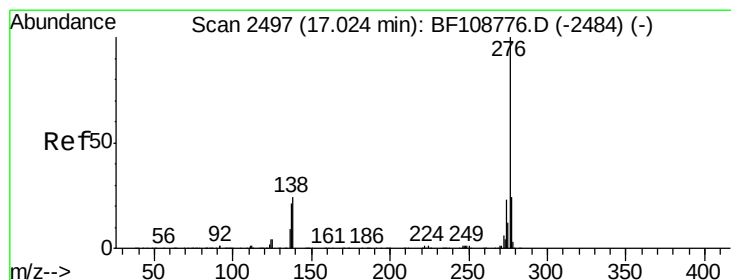
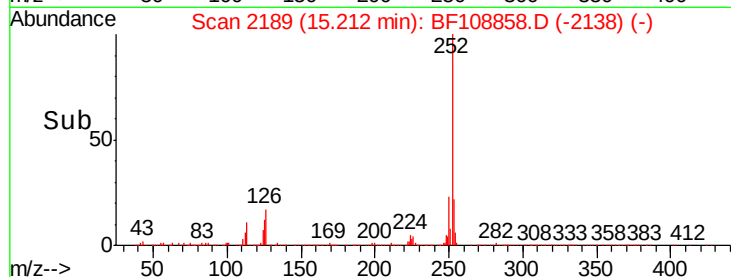
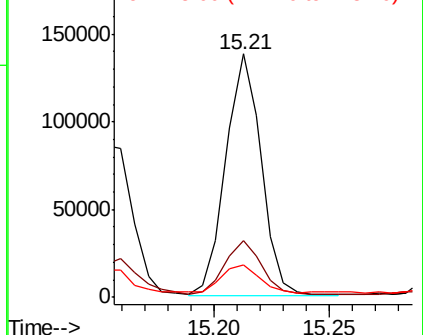


Abundance

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

Benzo(g,h,i)perylene

Concen: 3.009 ng

RT: 17.03 min Scan# 2498

Delta R.T. 0.01 min

Lab File: BF108858.D

Acq: 7 Sep 2018 14:11

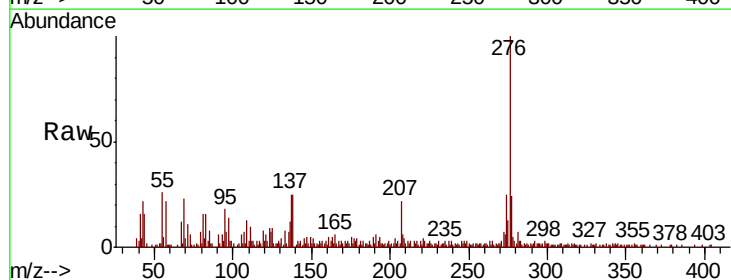
Tgt Ion:276 Resp: 72417

Ion Ratio Lower Upper

276 100

277 24.1 17.9 26.9

138 25.0 21.8 32.8



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

