

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
 Data File : BF108865.D
 Acq On : 7 Sep 2018 17:19
 Operator : JU/SJ
 Sample : J4779-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 07 18:28:23 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	237475	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	907096	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	416713	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	659262	20.00	ng	0.00
75) Chrysene-d12	13.87	240	523241	20.00	ng	0.00
86) Perylene-d12	15.28	264	532658	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.34	112	456686	31.86	ng	0.00
7) Phenol-d6	6.36	99	597906	32.42	ng	0.00
23) Nitrobenzene-d5	7.29	82	353319	24.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	117396	29.51	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	697174	28.54	ng	0.00
78) Terphenyl-d14	12.82	244	478454	21.32	ng	0.00

Target Compounds

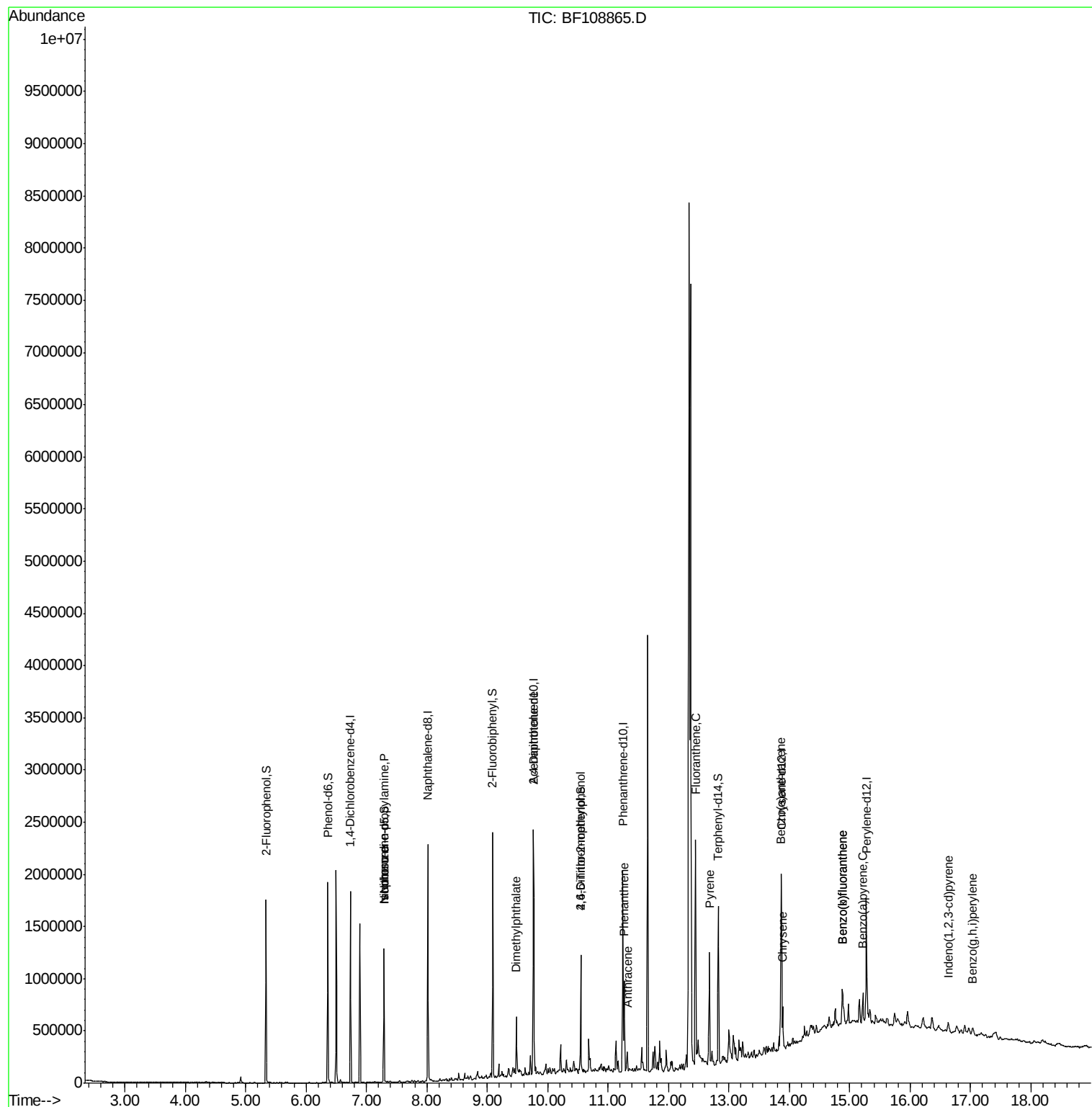
						Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	47270	3.687	ng	# 76
25) Isophorone	7.29	82	352173	12.181	ng	# 64
49) Dimethylphthalate	9.48	163	176517	6.056	ng	99
56) 2,4-Dinitrotoluene	9.77	165	56580	7.966	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.55	198	124	6.909	ng	# 1
70) Phenanthrene	11.27	178	280315	8.904	ng	98
71) Anthracene	11.32	178	68829	2.283	ng	100
74) Fluoranthene	12.45	202	326194	10.465	ng	95
77) Pyrene	12.68	202	334124	8.299	ng	99
80) Benzo(a)anthracene	13.86	228	172215	5.135	ng	95
82) Chrysene	13.89	228	148481	4.573	ng	97
85) Indeno(1,2,3-cd)pyrene	16.63	276	62888	2.189	ng	95
87) Benzo(b)fluoranthene	14.88	252	241090	8.324	ng	# 92
88) Benzo(k)fluoranthene	14.88	252	241090	9.039	ng	95
89) Benzo(a)pyrene	15.22	252	132465	5.069	ng	# 95
91) Benzo(g,h,i)perylene	17.04	276	58429	2.534	ng	# 92

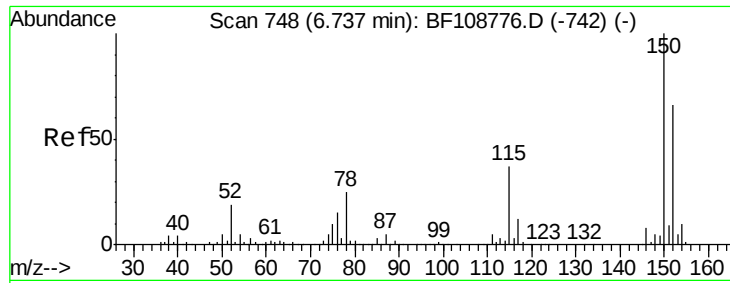
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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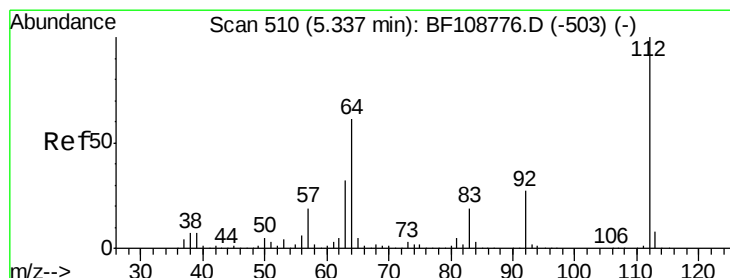
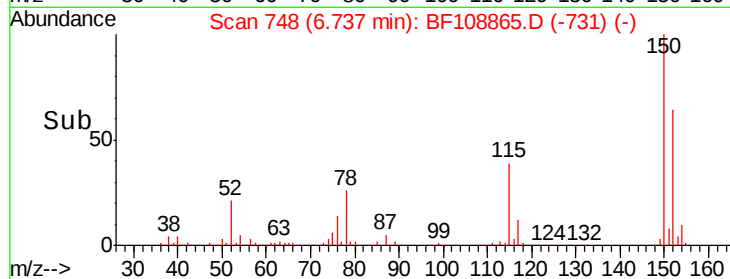
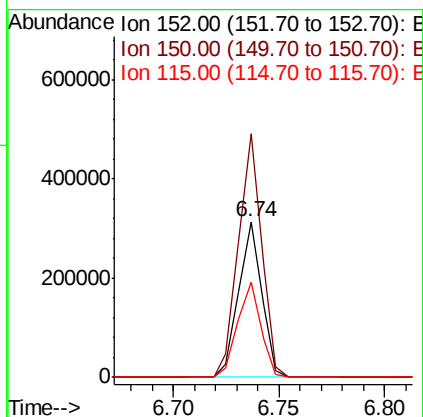
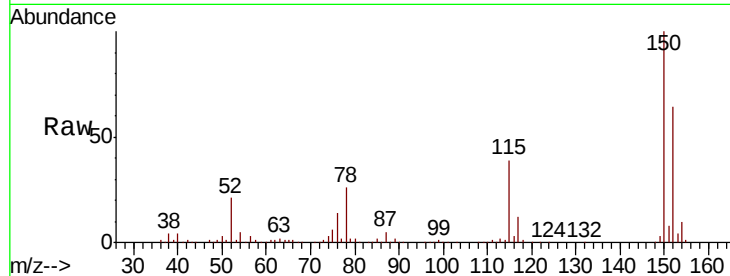


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Instrument :
BNA_F
ClientSampleId :

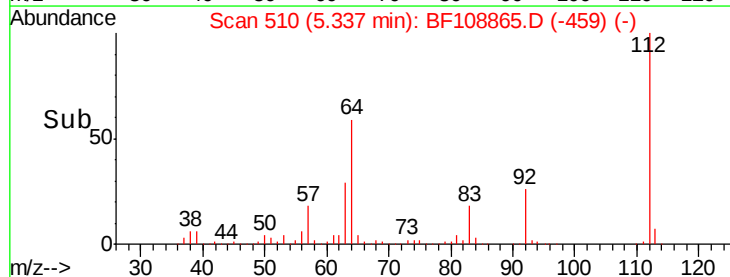
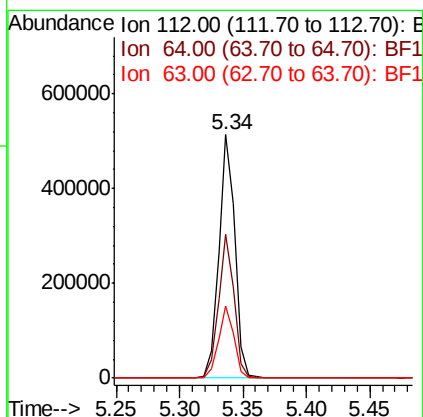
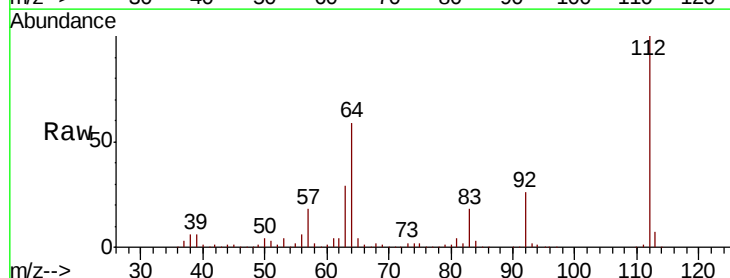
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	61.2	50.1	75.1

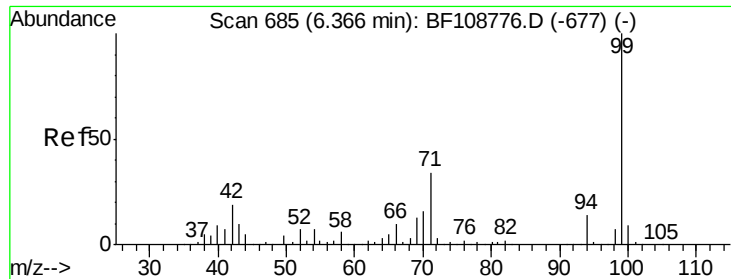


#5

2-Fluorophenol
Concen: 31.859 ng
RT: 5.34 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.9	71.9
63	29.4	23.7	35.5





#7

Phenol-d6

Concen: 32.418 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF108865.D

Acq: 7 Sep 2018 17:19

Instrument :

BNA_F

ClientSampleId :

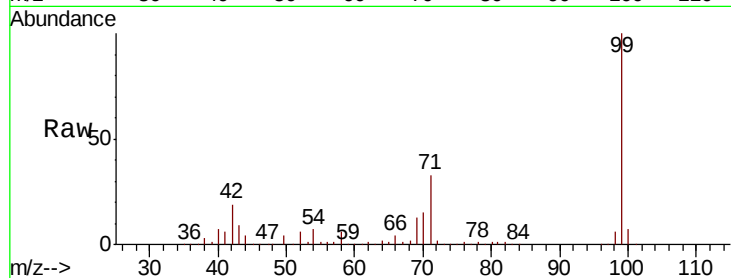
Tot Ion: 99 Resp: 597906

Ion Ratio Lower Upper

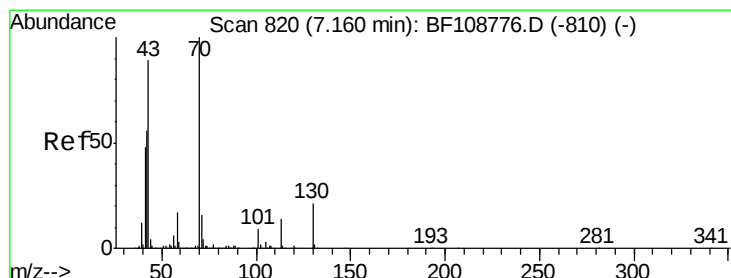
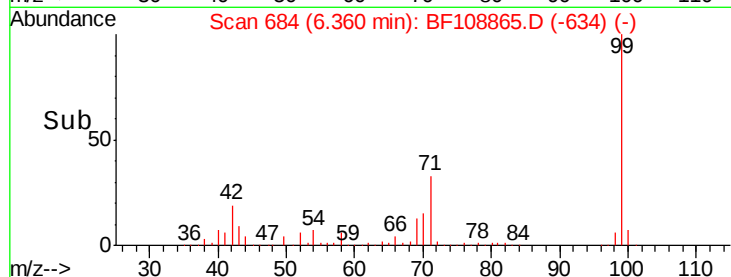
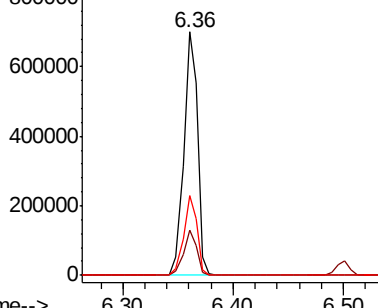
99 100

42 18.7 14.5 21.7

71 33.0 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



#19

n-Nitroso-di-n-propylamine

Concen: 3.687 ng

RT: 7.29 min Scan# 842

Delta R.T. 0.13 min

Lab File: BF108865.D

Acq: 7 Sep 2018 17:19

Tgt Ion: 70 Resp: 47270

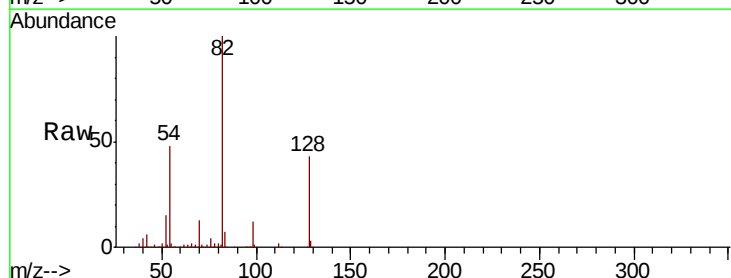
Ion Ratio Lower Upper

70 100

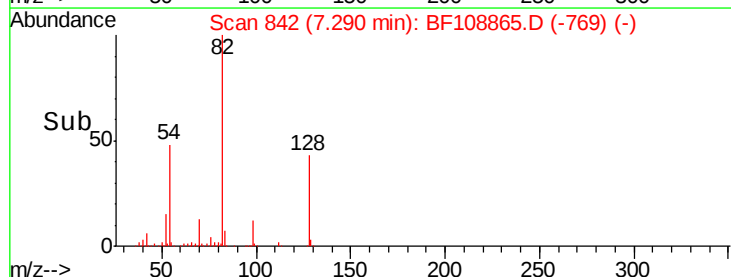
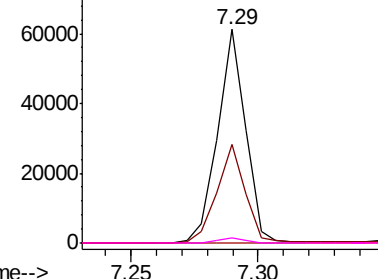
42 46.3 47.5 71.3#

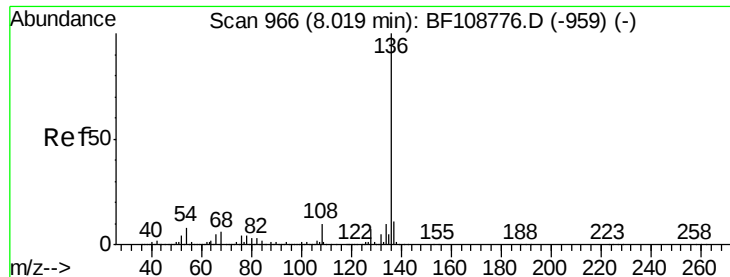
101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

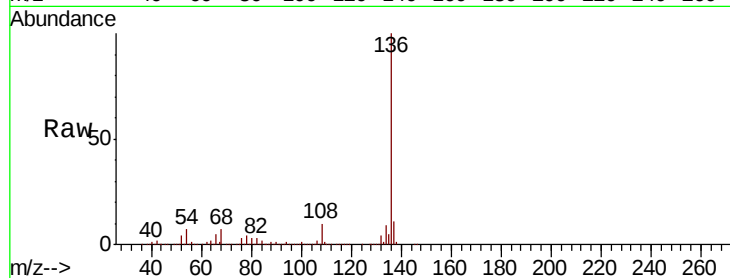




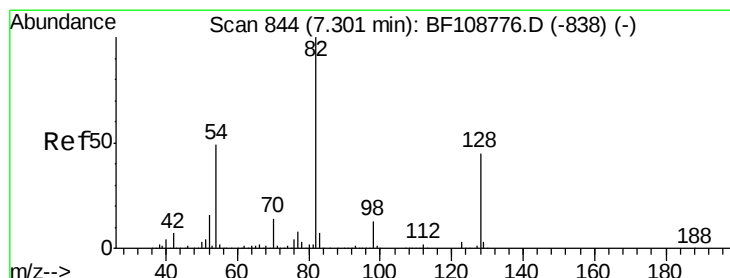
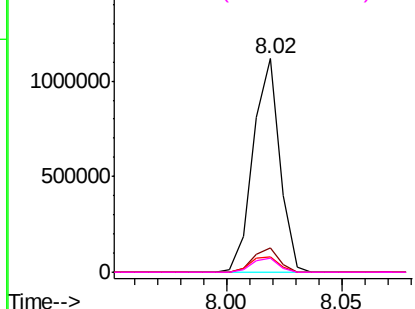
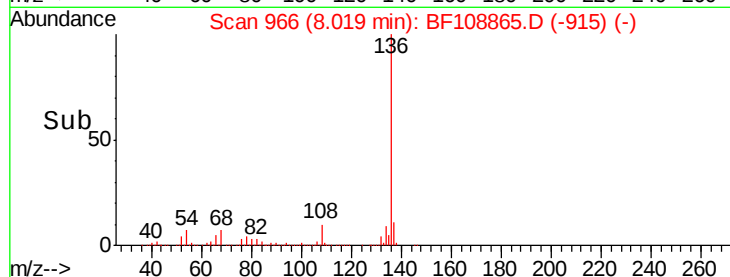
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	907096	
Ion Ratio	Lower	Upper	
136 100			
137 11.1	8.9	13.3	
54 7.4	6.6	9.8	
68 6.6	5.0	7.4	

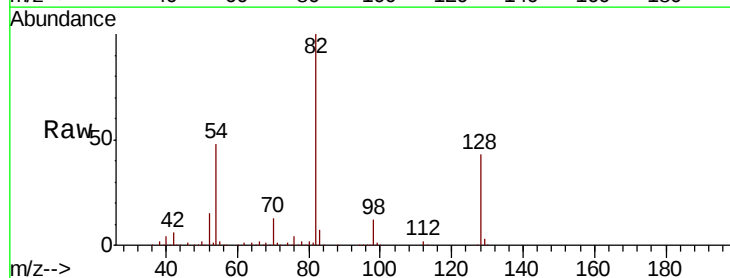


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

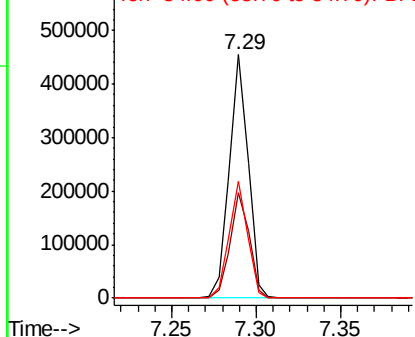
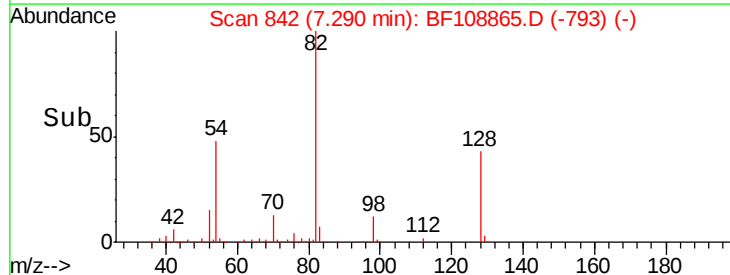


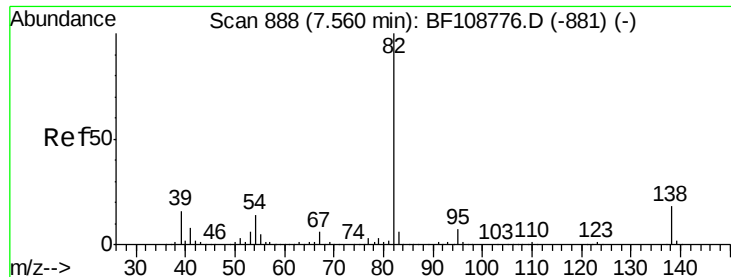
#23
Nitrobenzene-d5
Concen: 24.376 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion: 82	Resp: 353319
Ion Ratio	Lower Upper
82 100	
128 43.1	36.1 54.1
54 47.9	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

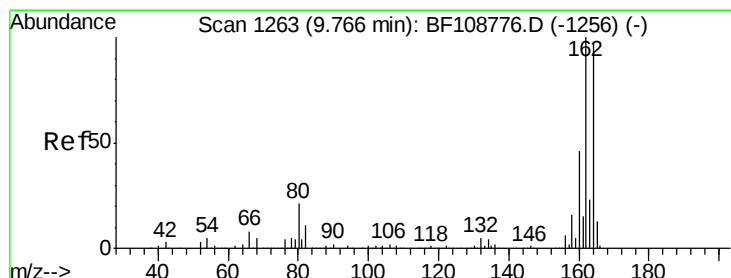
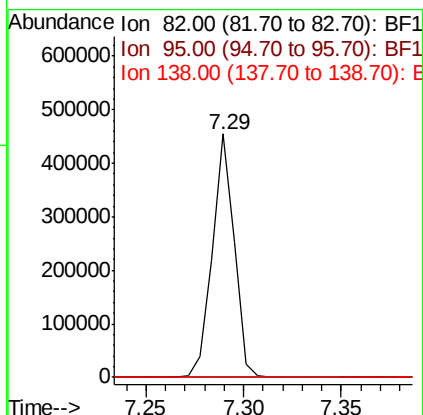
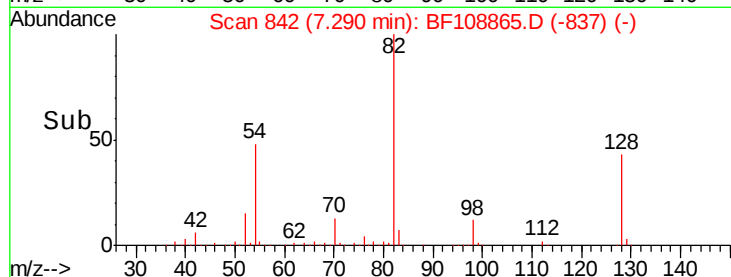
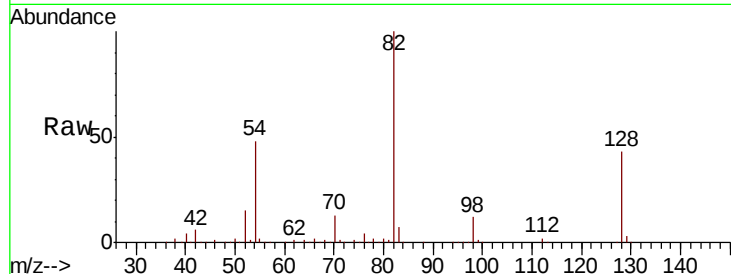




#25
Isophorone
Concen: 12.181 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.27 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

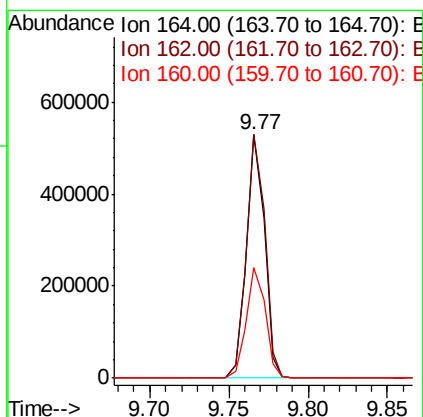
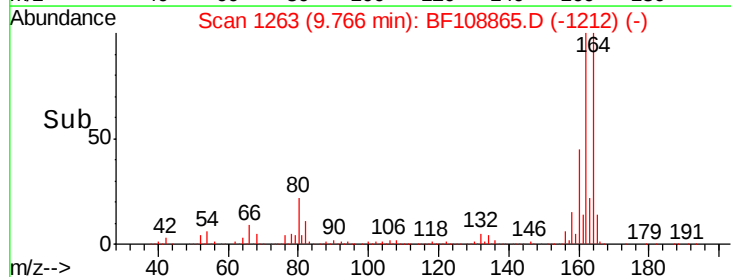
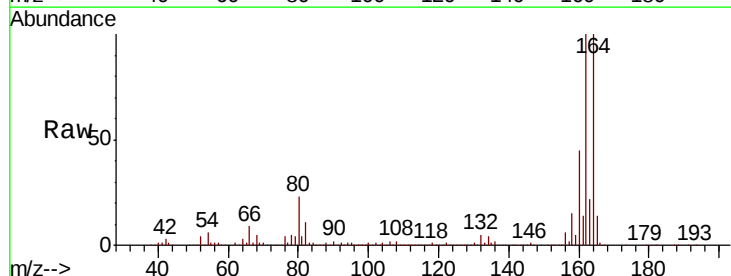
Instrument :
BNA_F
ClientSampleId :

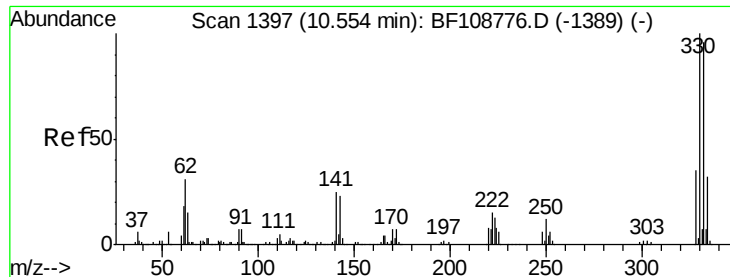
Tot Ion: 82 Resp: 352173
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:164 Resp: 416713
Ion Ratio Lower Upper
164 100
162 100.1 86.1 129.1
160 45.3 38.3 57.5

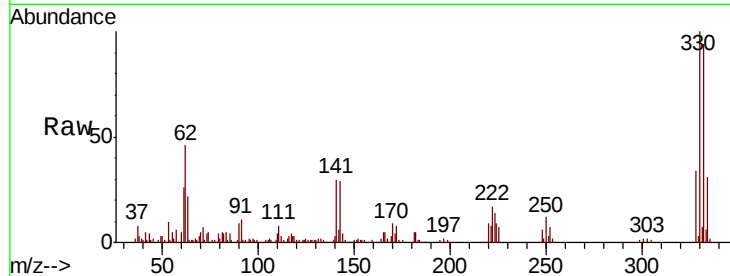




#41
 2,4,6-Tribromophenol
 Concen: 29.510 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108865.D
 Acq: 7 Sep 2018 17:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	33.1	29.9	44.9

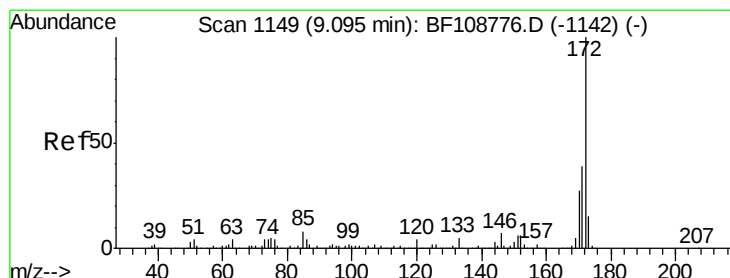
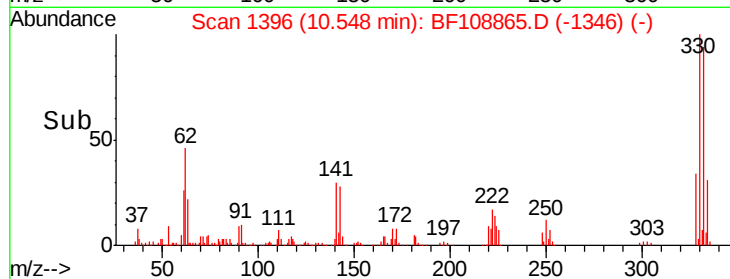
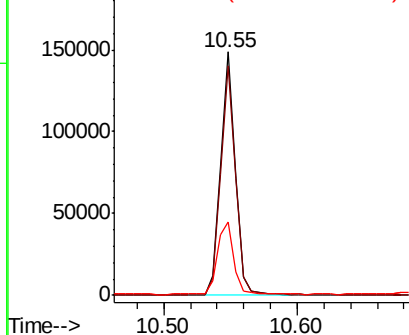


Abundance

Ion 329.80 (329.50 to 330.50): E

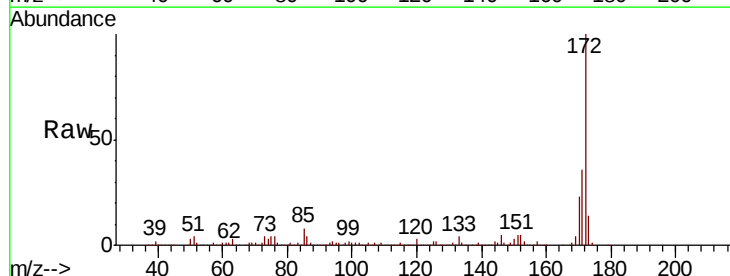
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 28.542 ng
 RT: 9.09 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BF108865.D
 Acq: 7 Sep 2018 17:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.3	19.6	29.4

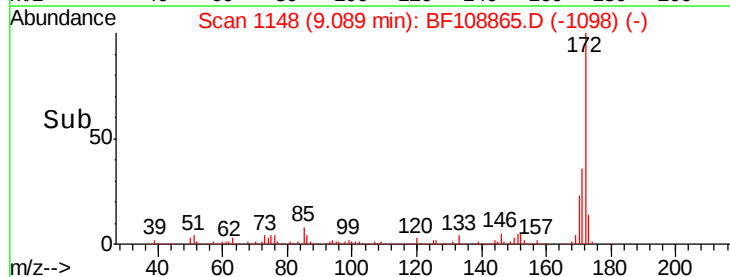
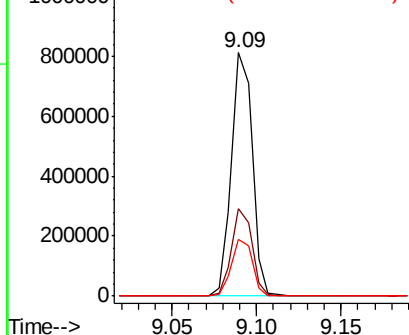


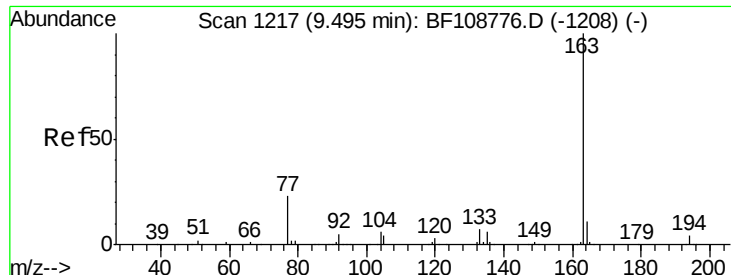
Abundance

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

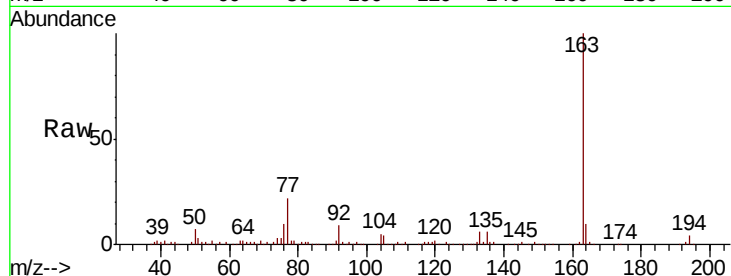




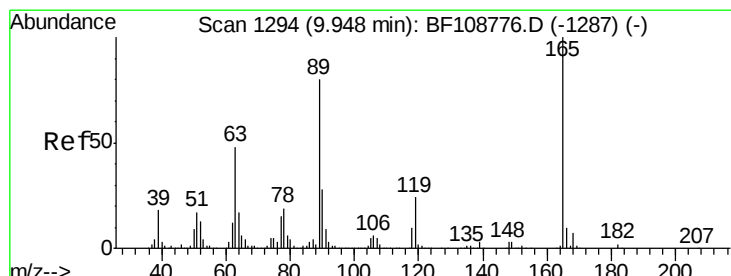
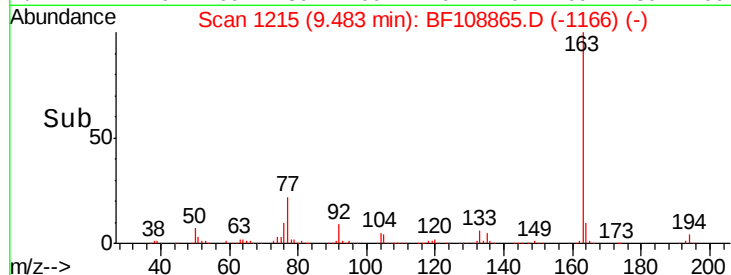
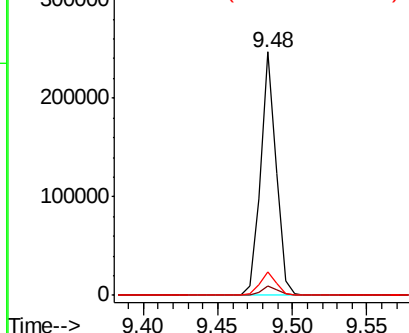
#49
Dimethylphthalate
Concen: 6.056 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 176517
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.9 8.2 12.2

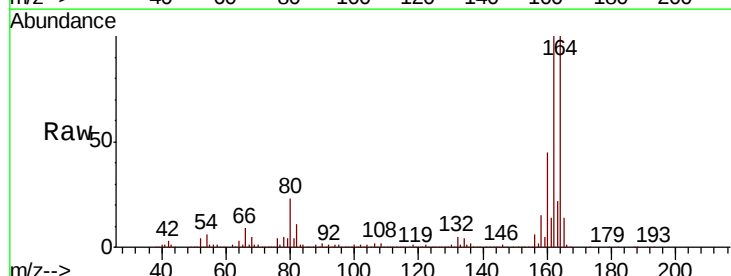


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

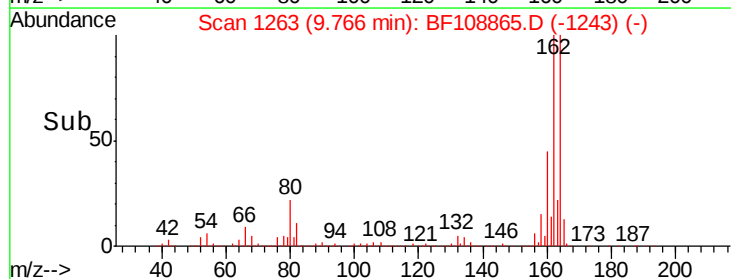
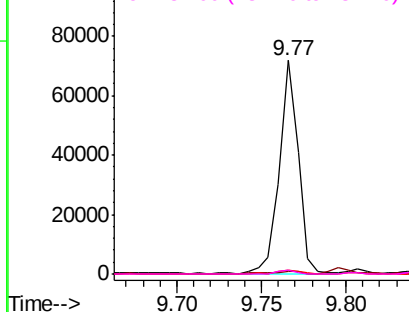


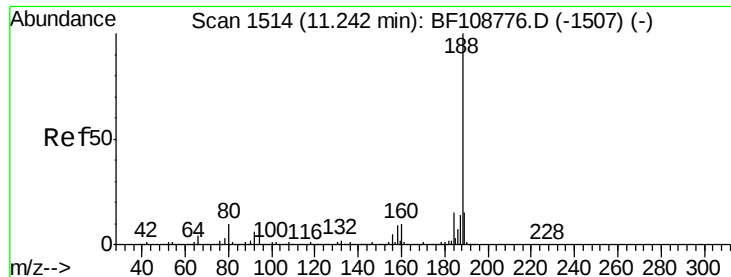
#56
2,4-Dinitrotoluene
Concen: 7.966 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.18 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:165 Resp: 56580
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 1.8 57.8 86.6#
182 1.6 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

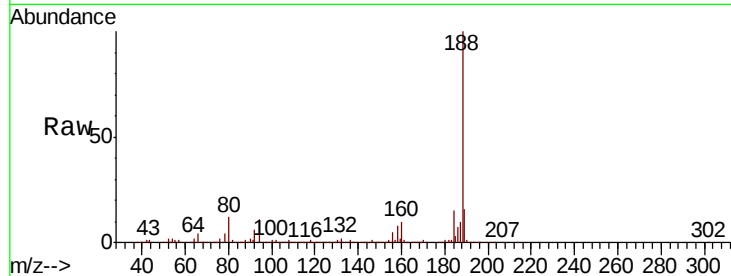




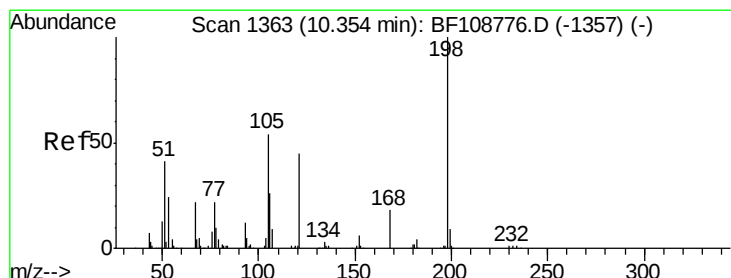
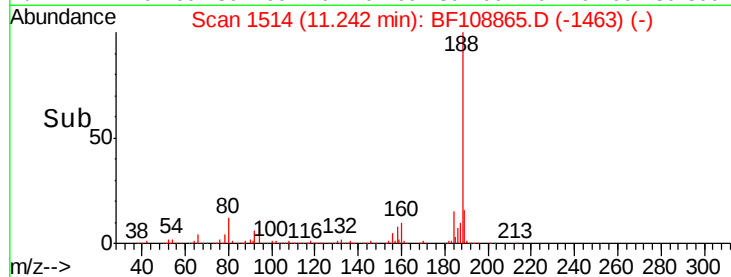
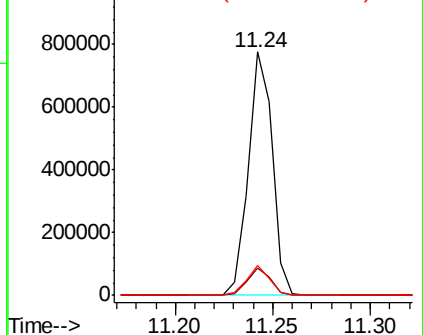
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 659262
Ion Ratio Lower Upper
188 100
94 11.4 8.5 12.7
80 12.2 9.2 13.8

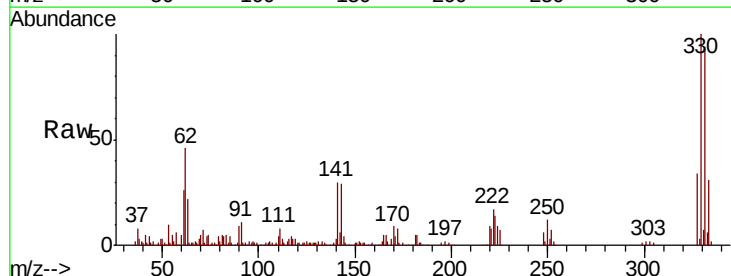


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

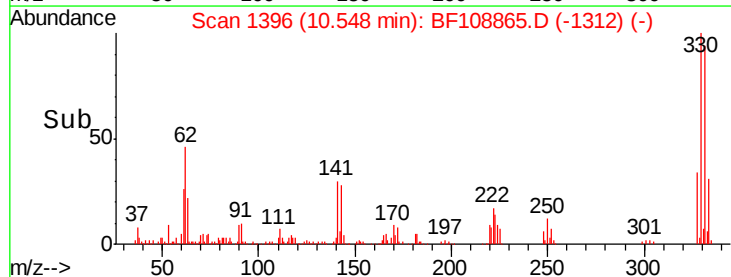
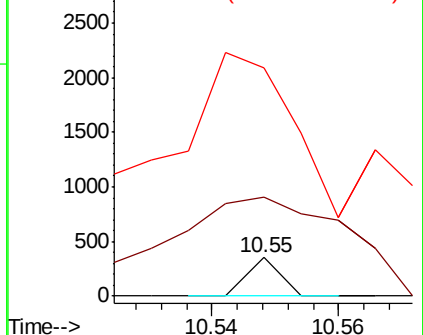


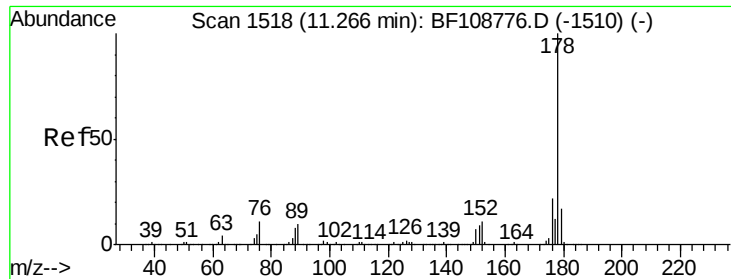
#64
4,6-Dinitro-2-methylphenol
Concen: 6.909 ng
RT: 10.55 min Scan# 1396
Delta R.T. 0.19 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:198 Resp: 124
Ion Ratio Lower Upper
198 100
51 256.8 37.7 77.7#
105 592.9 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E





#70

Phenanthrene

Concen: 8.904 ng

RT: 11.27 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BF108865.D

Acq: 7 Sep 2018 17:19

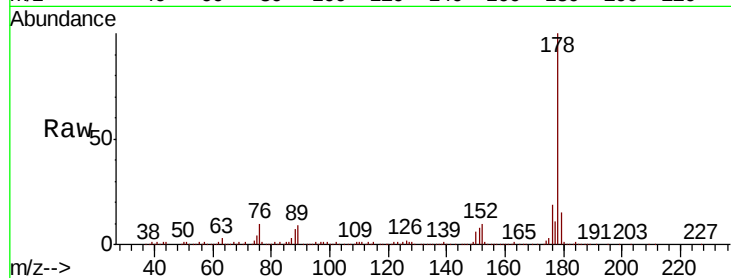
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 280315

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.3	13.0	19.6

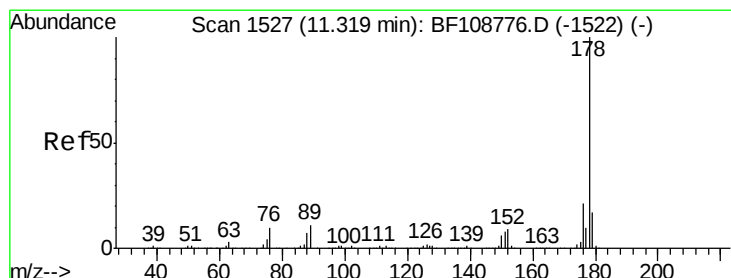
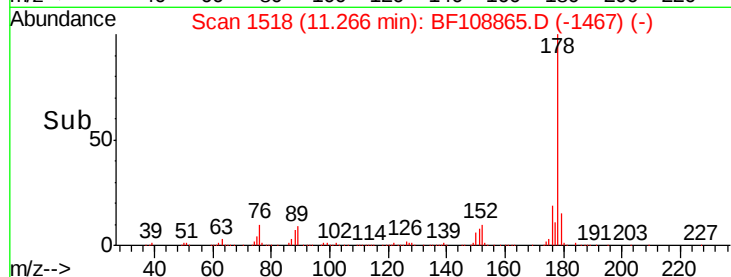
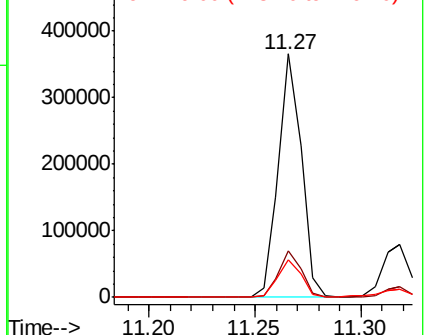


Abundance

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



#71

Anthracene

Concen: 2.283 ng

RT: 11.32 min Scan# 1527

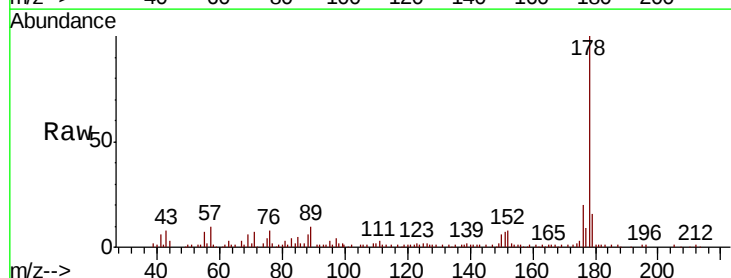
Delta R.T. -0.00 min

Lab File: BF108865.D

Acq: 7 Sep 2018 17:19

Tgt Ion:178 Resp: 68829

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.8	12.6	19.0

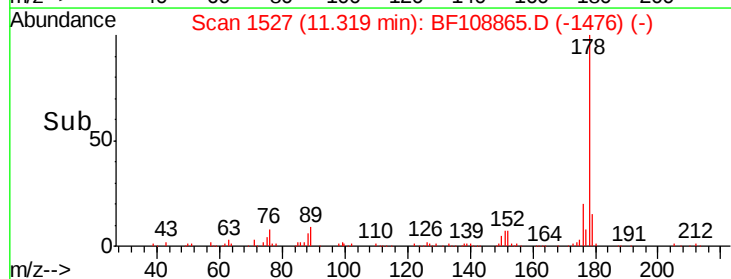
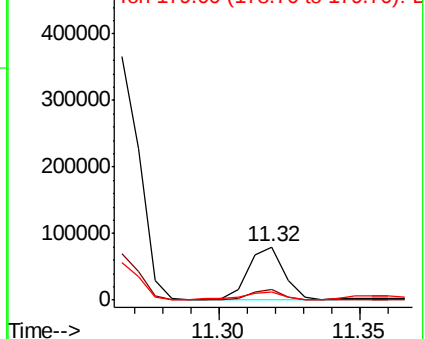


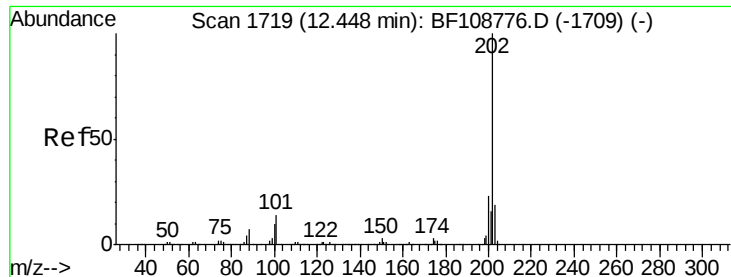
Abundance

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: 10.465 ng

RT: 12.45 min Scan# 1719

Delta R.T. 0.00 min

Lab File: BF108865.D

Acq: 7 Sep 2018 17:19

Instrument :

BNA_F

ClientSampleId :

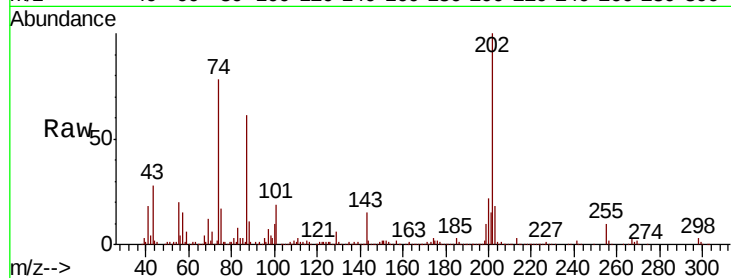
Tot Ion:202 Resp: 326194

Ion Ratio Lower Upper

202 100

101 18.6 0.0 34.1

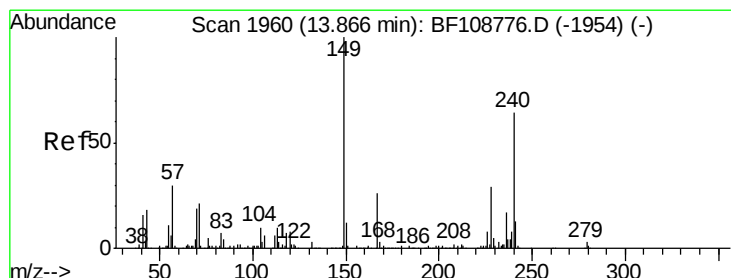
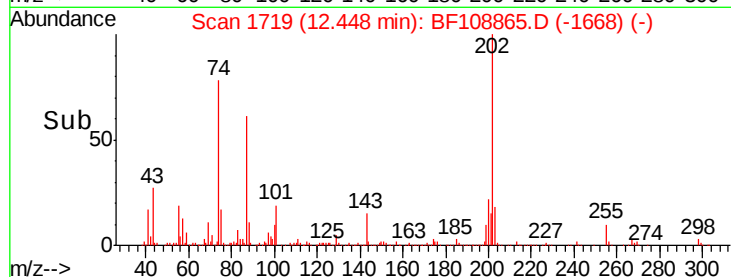
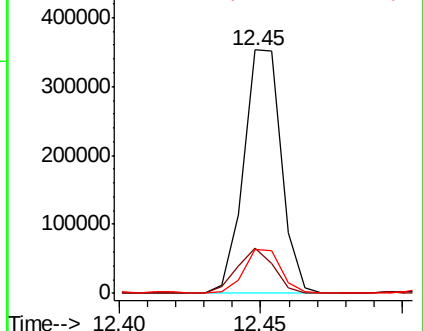
203 17.8 0.0 38.1



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: BF108865.D

Acq: 7 Sep 2018 17:19

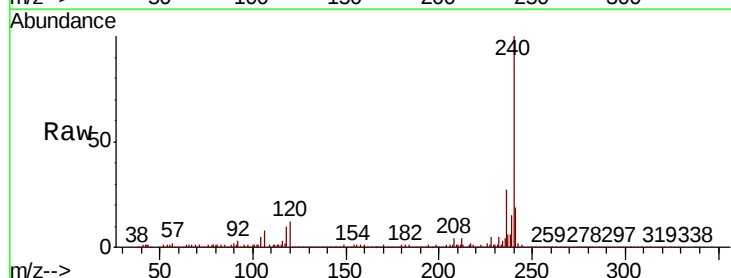
Tgt Ion:240 Resp: 523241

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

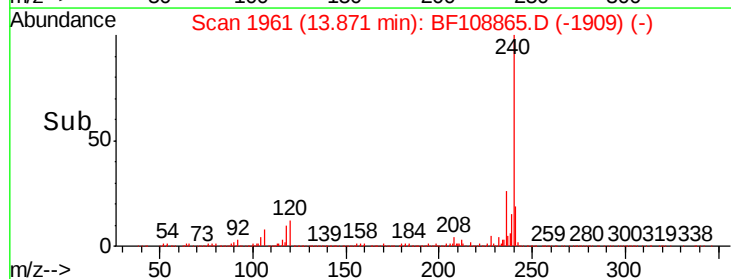
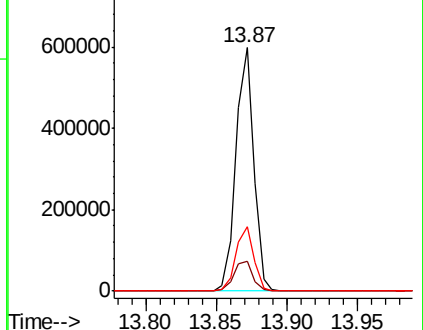
236 26.6 20.7 31.1

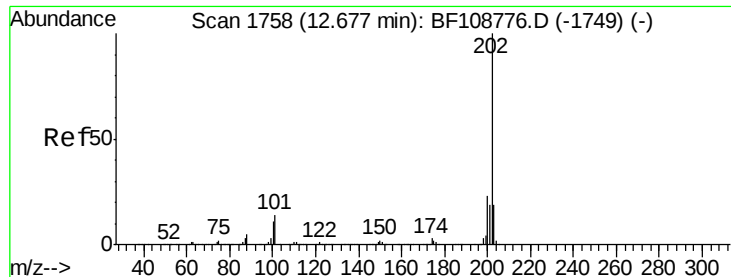


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.299 ng

RT: 12.68 min Scan# 1758

Delta R.T. 0.00 min

Lab File: BF108865.D

Acq: 7 Sep 2018 17:19

Instrument :

BNA_F

ClientSampled :

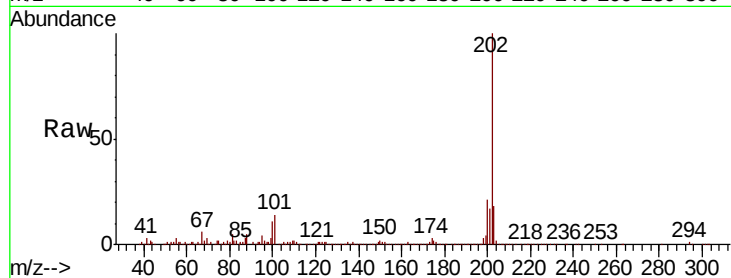
Tot Ion:202 Resp: 334124

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

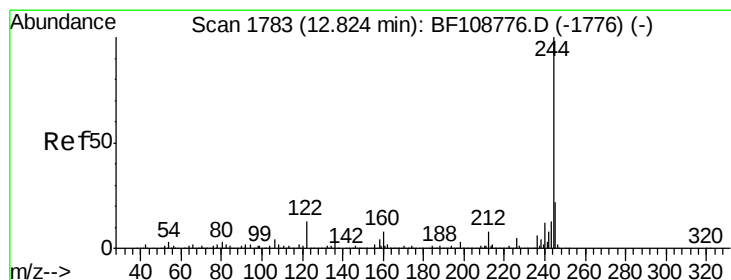
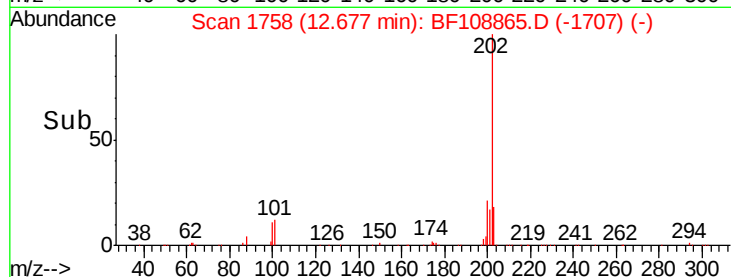
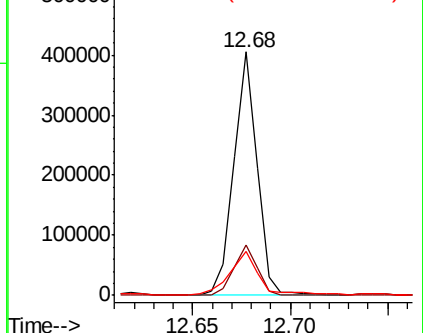
203 17.9 14.3 21.5



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: 21.323 ng

RT: 12.82 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF108865.D

Acq: 7 Sep 2018 17:19

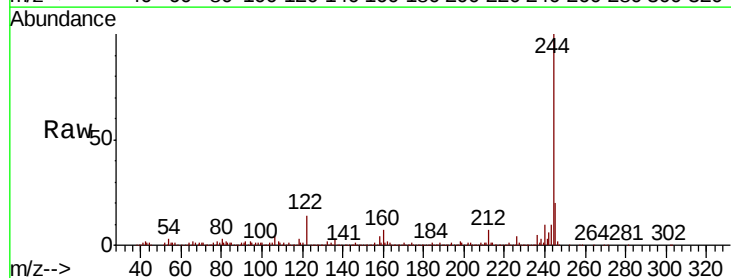
Tgt Ion:244 Resp: 478454

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

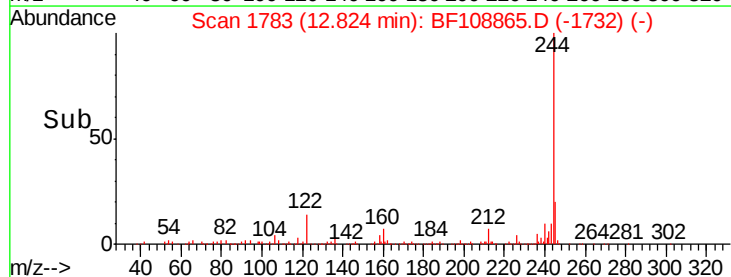
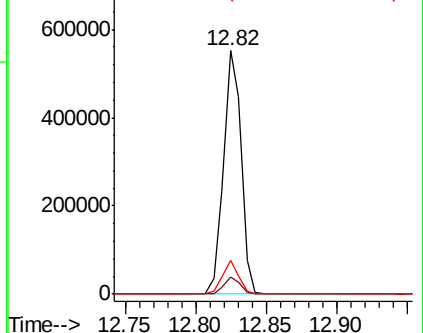
122 13.8 11.0 16.4

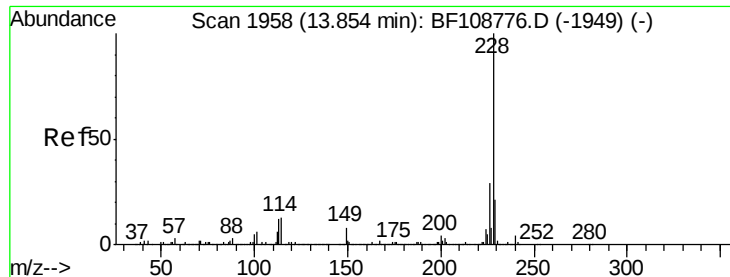


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.135 ng

RT: 13.86 min Scan# 1959

Delta R.T. 0.01 min

Lab File: BF108865.D

Acq: 7 Sep 2018 17:19

Instrument :

BNA_F

ClientSampleId :

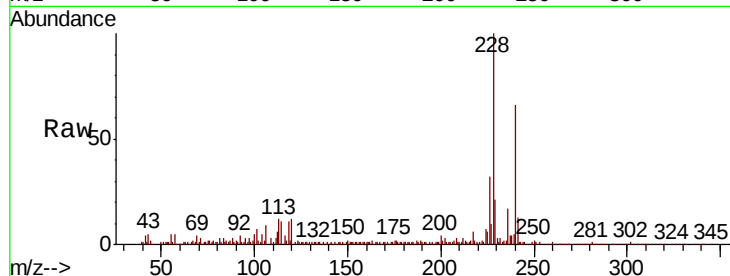
Tot Ion:228 Resp: 172215

Ion Ratio Lower Upper

228 100

226 32.1 22.6 33.8

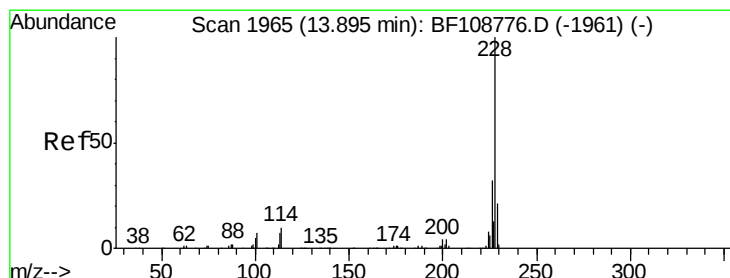
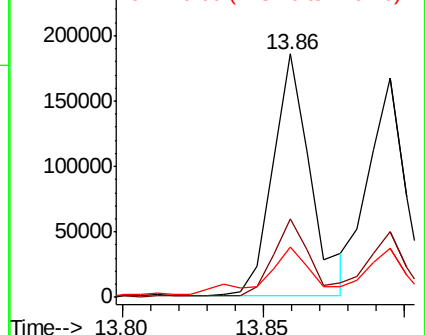
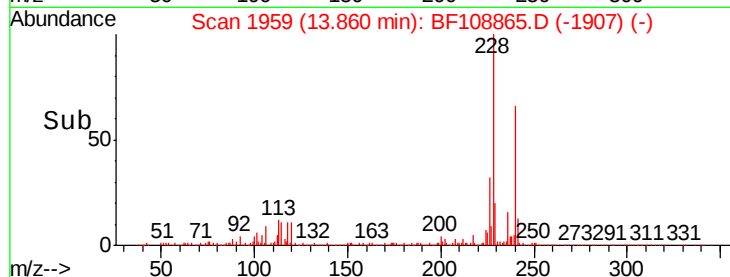
229 20.7 15.8 23.6



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: 4.573 ng

RT: 13.89 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BF108865.D

Acq: 7 Sep 2018 17:19

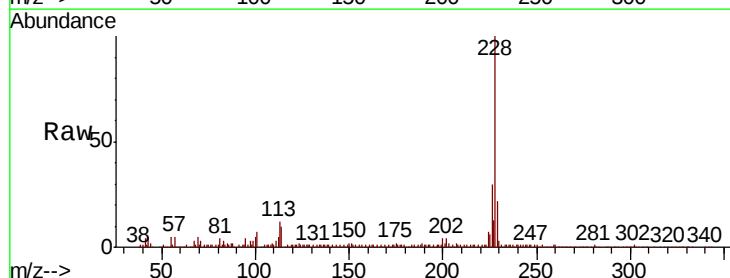
Tgt Ion:228 Resp: 148481

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

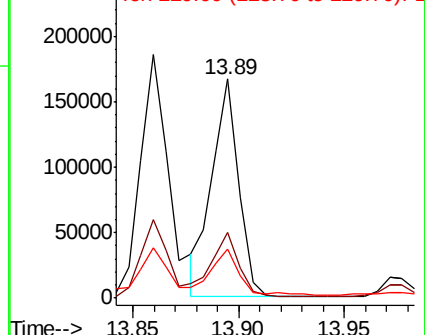
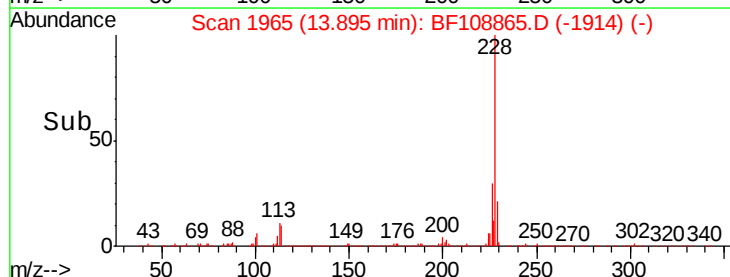
229 22.1 16.2 24.4

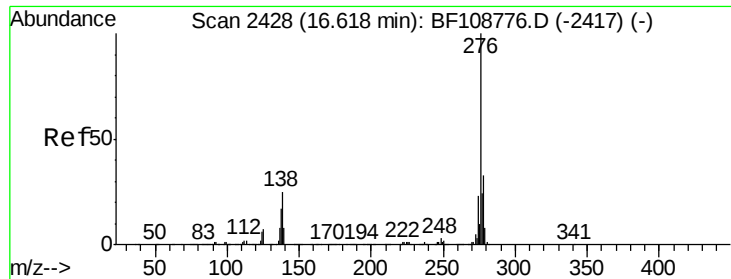


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

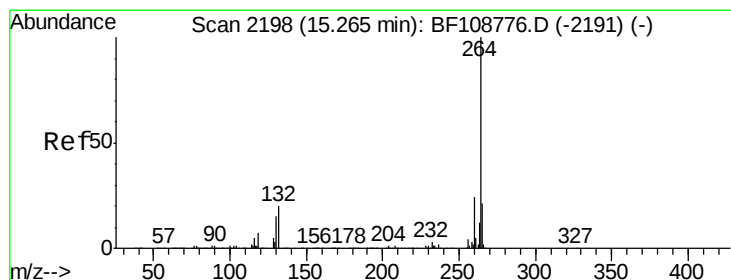
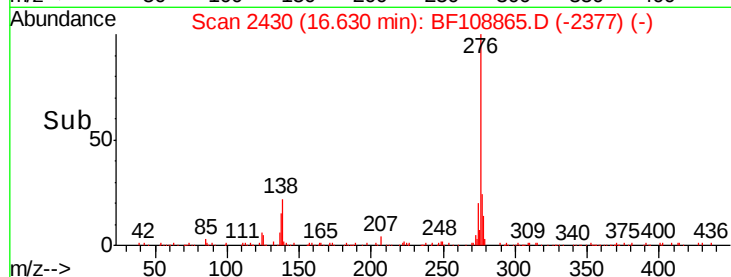
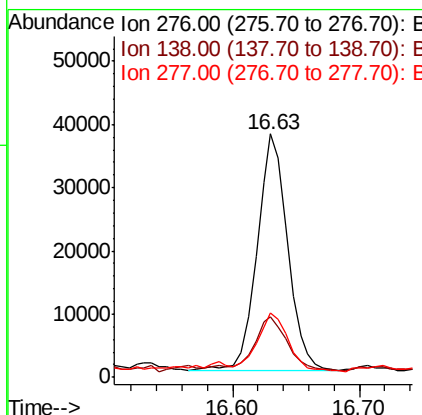
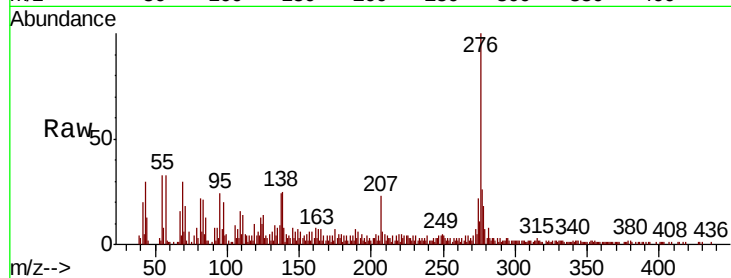




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.189 ng
RT: 16.63 min Scan# 2430
Delta R.T. 0.01 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

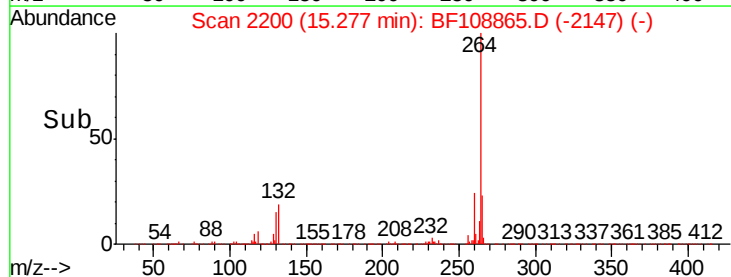
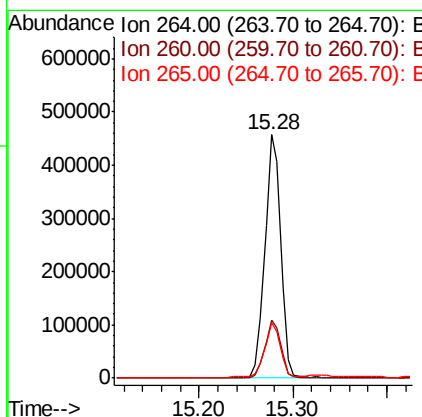
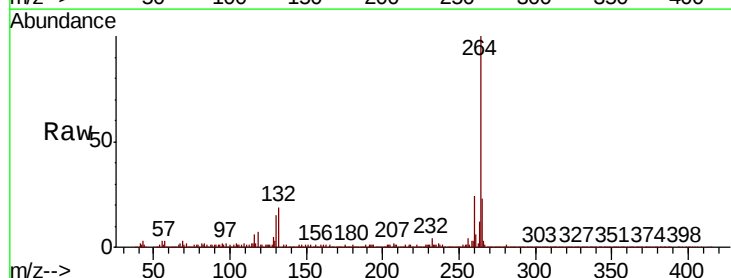
Instrument :
BNA_F
ClientSampleId :

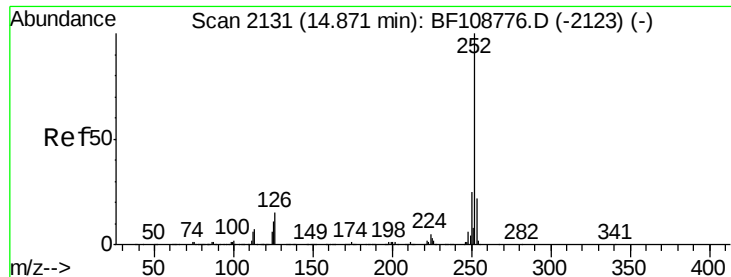
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.3	25.0	37.6
277	25.2	20.1	30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 8.324 ng

RT: 14.88 min Scan# 2132

Delta R.T. 0.01 min

Lab File: BF108865.D

Acq: 7 Sep 2018 17:19

Instrument :

BNA_F

ClientSampleId :

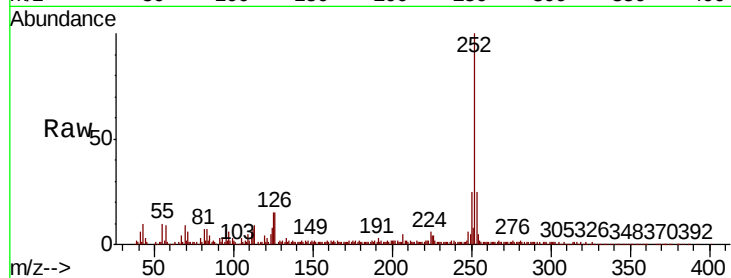
Tot Ion:252 Resp: 241090

Ion Ratio Lower Upper

252 100

253 24.7 17.0 25.6

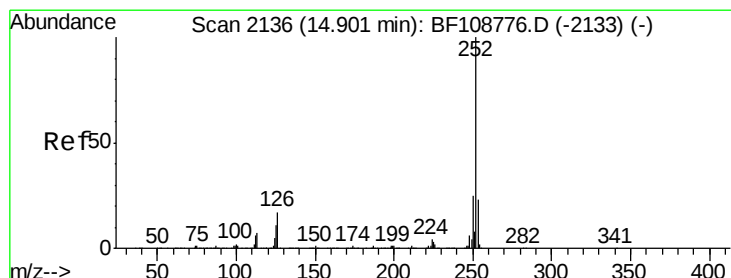
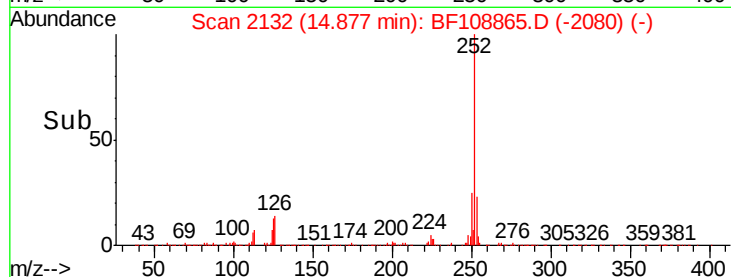
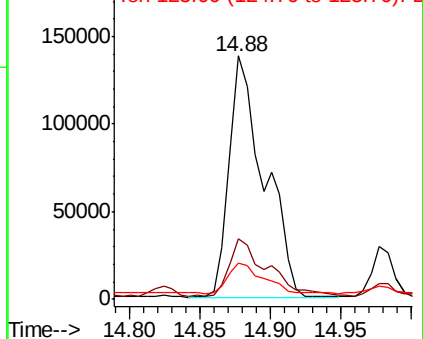
125 15.1 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 9.039 ng

RT: 14.88 min Scan# 2132

Delta R.T. -0.02 min

Lab File: BF108865.D

Acq: 7 Sep 2018 17:19

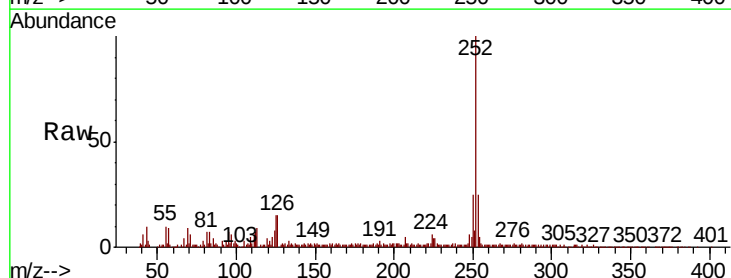
Tgt Ion:252 Resp: 241090

Ion Ratio Lower Upper

252 100

253 24.7 17.9 26.9

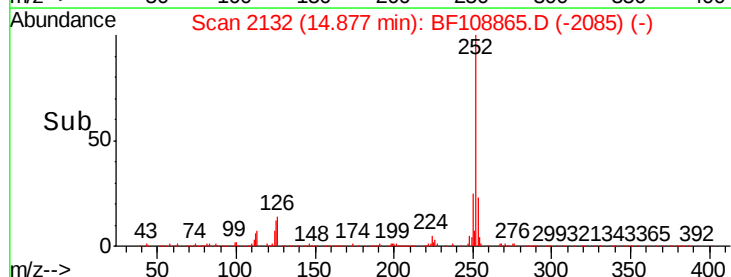
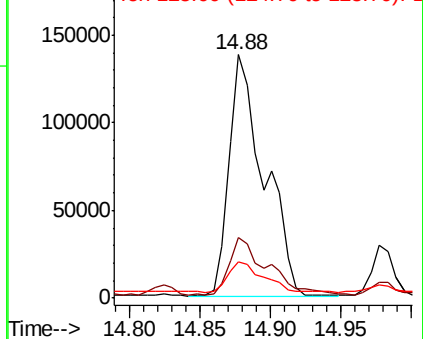
125 15.1 10.2 15.2

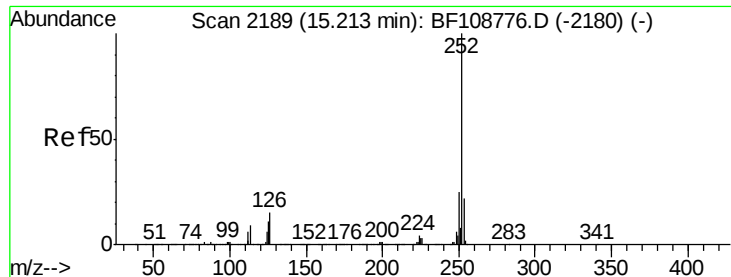


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.069 ng

RT: 15.22 min Scan# 2190

Delta R.T. 0.01 min

Lab File: BF108865.D

Acq: 7 Sep 2018 17:19

Instrument :

BNA_F

ClientSampleId :

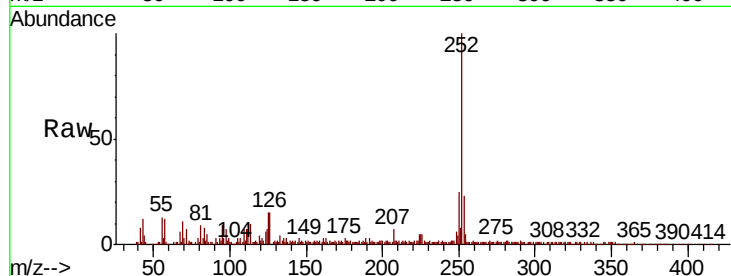
Tot Ion:252 Resp: 132465

Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

125 14.9 9.8 14.6#

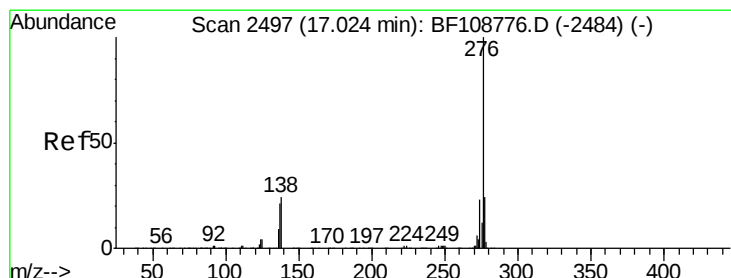
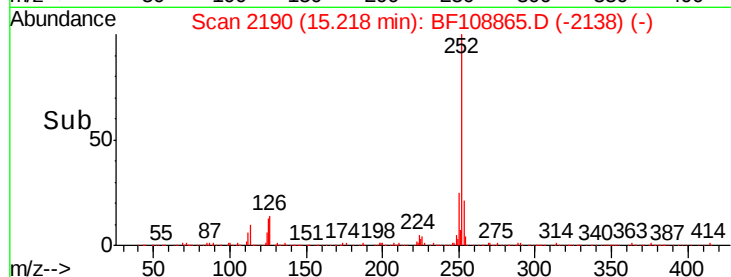
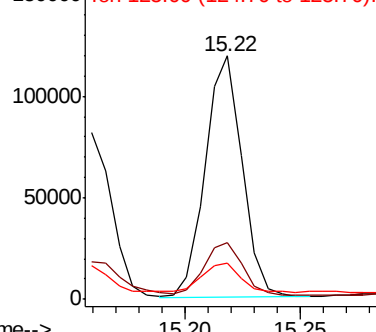


Abundance

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: 2.534 ng

RT: 17.04 min Scan# 2499

Delta R.T. 0.01 min

Lab File: BF108865.D

Acq: 7 Sep 2018 17:19

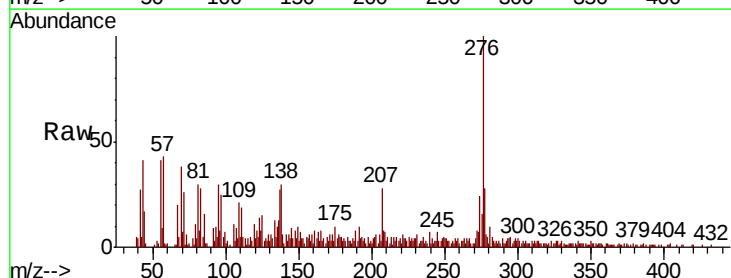
Tgt Ion:276 Resp: 58429

Ion Ratio Lower Upper

276 100

277 28.1 17.9 26.9#

138 30.2 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

