

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
 Data File : BF108861.D
 Acq On : 7 Sep 2018 15:32
 Operator : JU/SJ
 Sample : J4825-18
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 07 16:26:08 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	228653	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	863684	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	409449	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	729116	20.00	ng	0.00
75) Chrysene-d12	13.87	240	446336	20.00	ng	0.00
86) Perylene-d12	15.28	264	549150	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1152914	83.53	ng	0.01
7) Phenol-d6	6.37	99	1481419	83.42	ng	0.00
23) Nitrobenzene-d5	7.30	82	933157	67.61	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	351505	89.93	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1647623	68.65	ng	0.00
78) Terphenyl-d14	12.82	244	1310720	68.48	ng	0.00

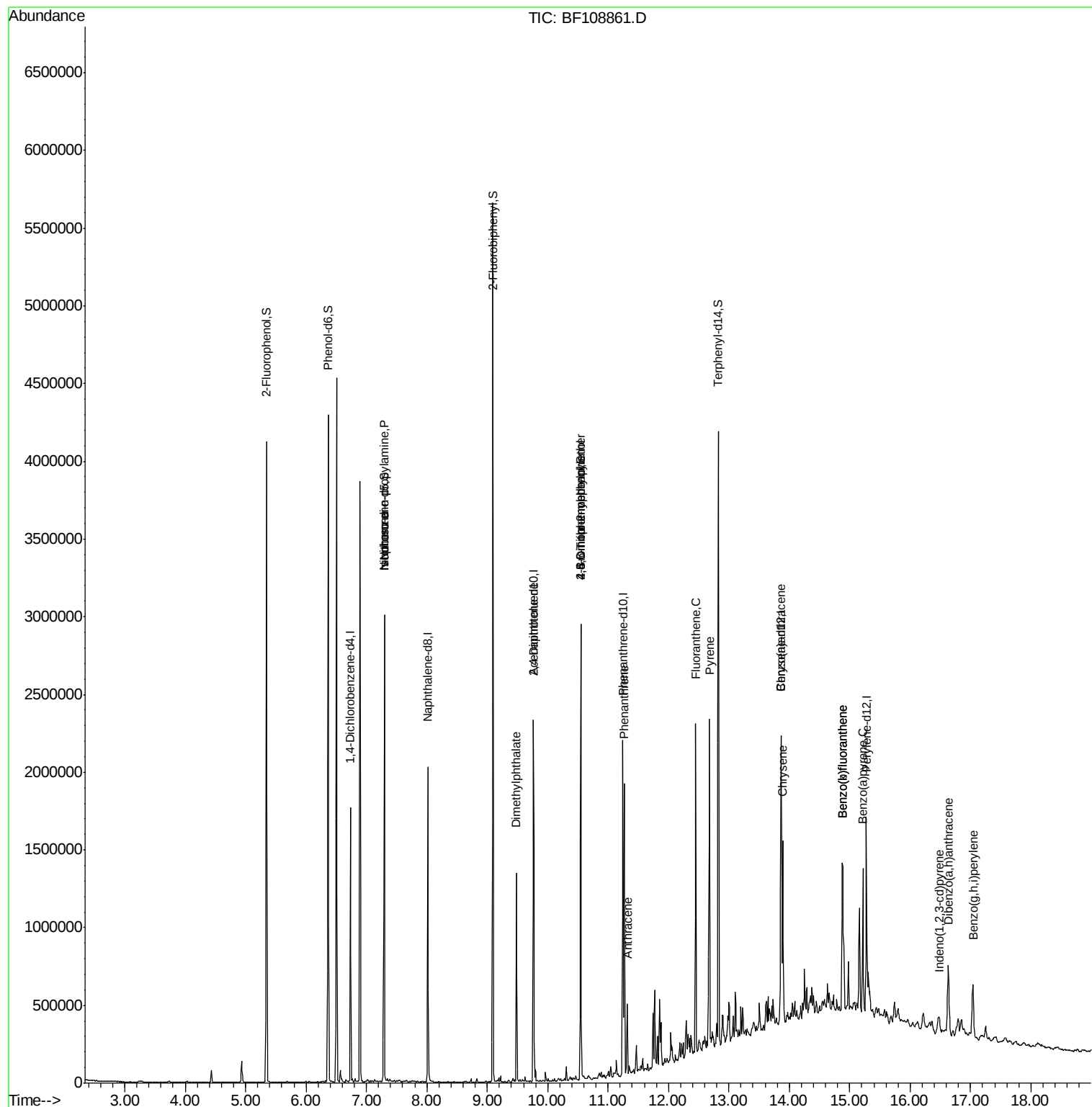
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.30	70	128682	10.425	ng	# 76
25) Isophorone	7.30	82	927893	33.706	ng	# 64
49) Dimethylphthalate	9.48	163	457906	15.989	ng	99
56) 2,4-Dinitrotoluene	9.77	165	53874	7.720	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	737	7.089	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	21237	2.579	ng	# 1
70) Phenanthrene	11.27	178	616178	17.697	ng	98
71) Anthracene	11.32	178	167295	5.018	ng	98
74) Fluoranthene	12.45	202	847174	24.574	ng	99
77) Pyrene	12.68	202	804616	23.428	ng	99
80) Benzo(a)anthracene	13.86	228	454507	15.887	ng	99
82) Chrysene	13.90	228	404222	14.595	ng	98
85) Indeno(1,2,3-cd)pyrene	16.48	276	52135	2.127	ng	93
87) Benzo(b)fluoranthene	14.88	252	711623	23.832	ng	96
88) Benzo(k)fluoranthene	14.88	252	711623	25.879	ng	99
89) Benzo(a)pyrene	15.22	252	427800	15.878	ng	98
90) Dibenzo(a,h)anthracene	16.64	278	82843	3.489	ng	94
91) Benzo(g,h,i)perylene	17.04	276	256550	10.793	ng	94

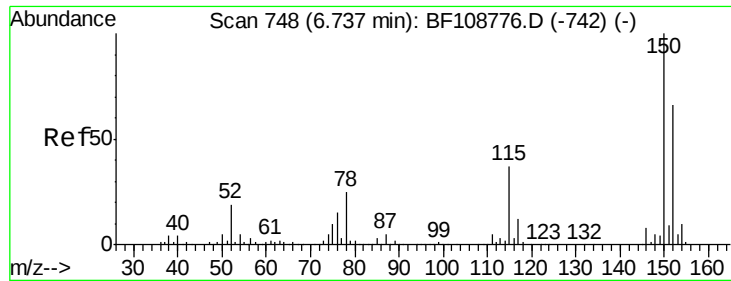
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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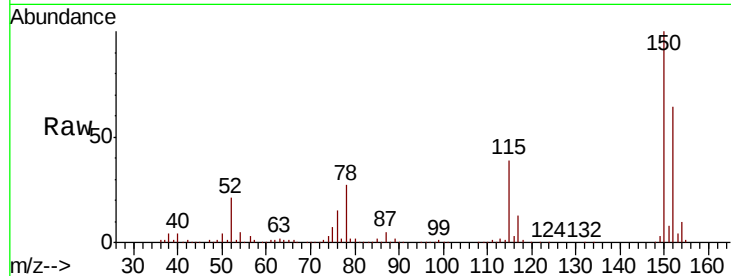


#1

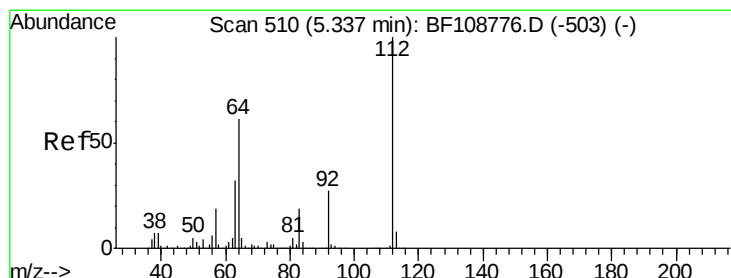
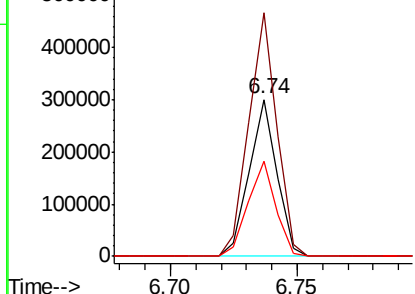
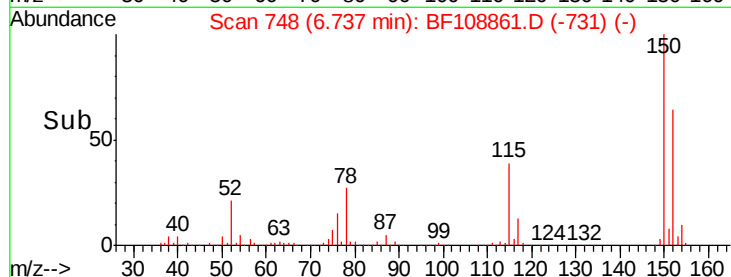
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. 0.00 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 228653
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 60.7 50.1 75.1



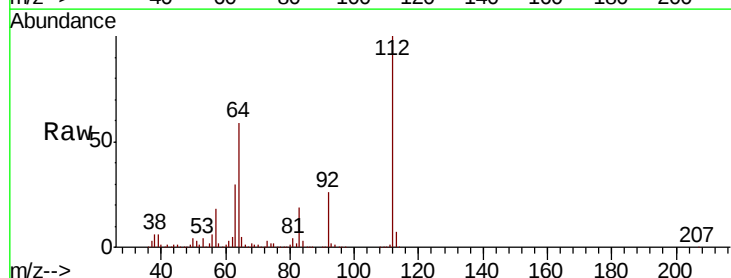
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



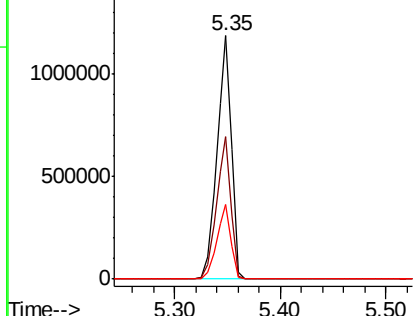
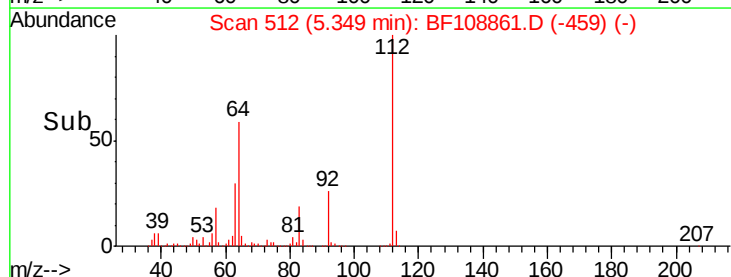
#5

2-Fluorophenol
Concen: 83.532 ng
RT: 5.35 min Scan# 512
Delta R.T. 0.01 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

Tgt Ion:112 Resp: 1152914
Ion Ratio Lower Upper
112 100
64 58.7 47.9 71.9
63 30.4 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: 83.421 ng

RT: 6.37 min Scan# 686

Delta R.T. 0.01 min

Lab File: BF108861.D

Acq: 7 Sep 2018 15:32

Instrument :

BNA_G

ClientSampleId :

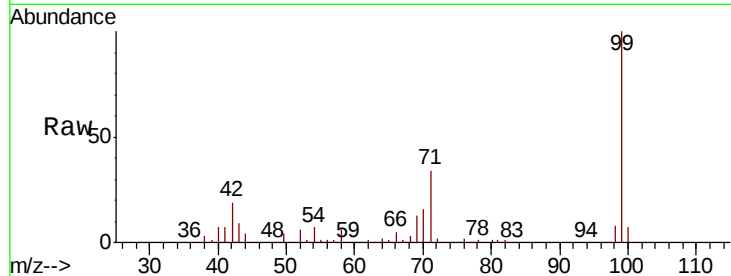
Tot Ion: 99 Resp: 1481419

Ion Ratio Lower Upper

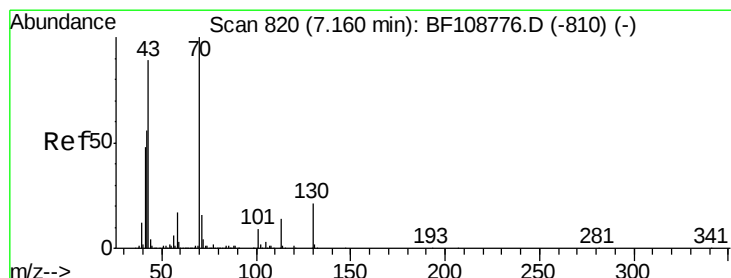
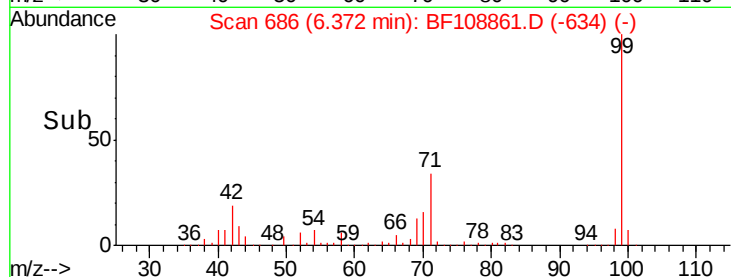
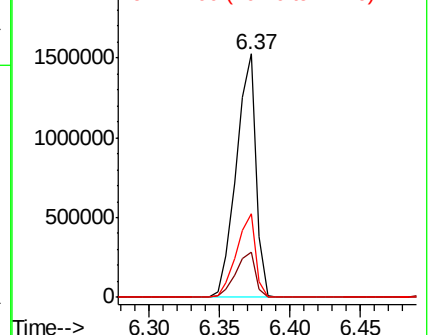
99 100

42 18.8 14.5 21.7

71 34.1 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: 10.425 ng

RT: 7.30 min Scan# 843

Delta R.T. 0.14 min

Lab File: BF108861.D

Acq: 7 Sep 2018 15:32

Tgt Ion: 70 Resp: 128682

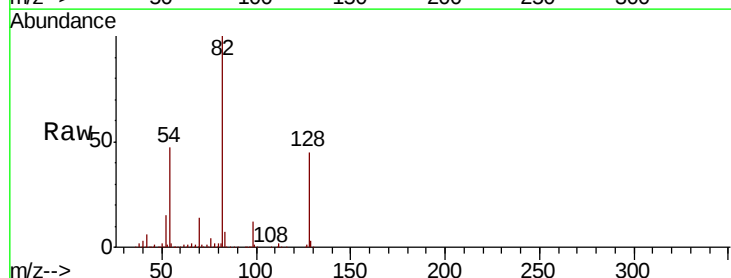
Ion Ratio Lower Upper

70 100

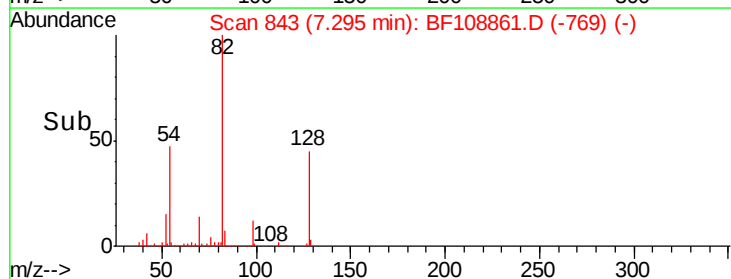
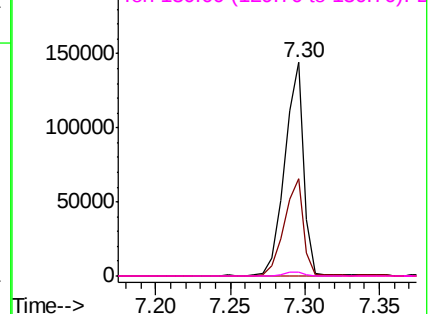
42 45.6 47.5 71.3#

101 0.0 7.4 11.2#

130 1.9 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

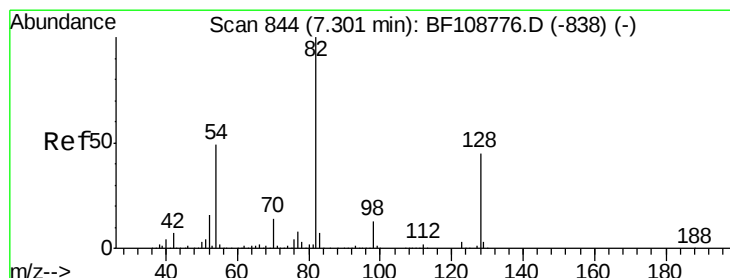
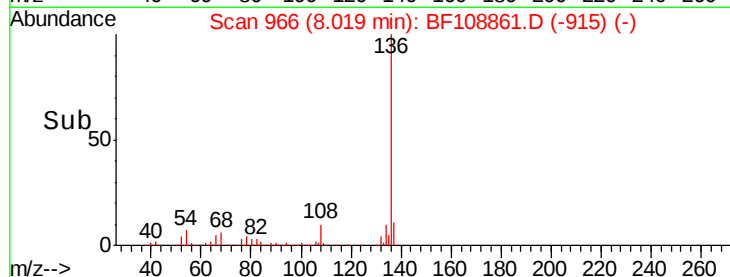
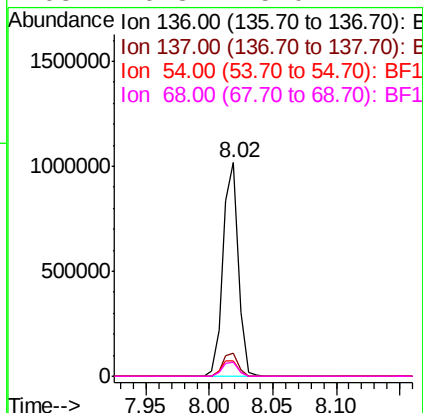
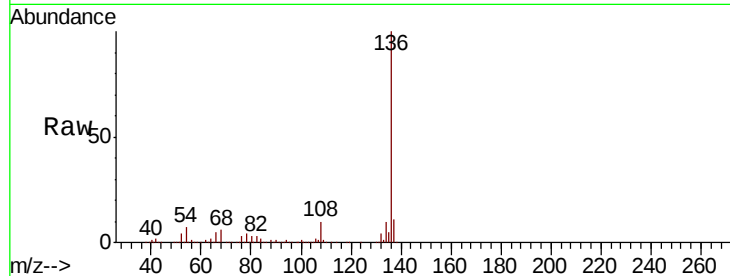




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. 0.00 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

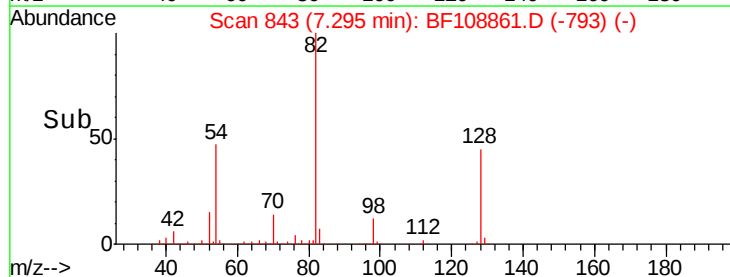
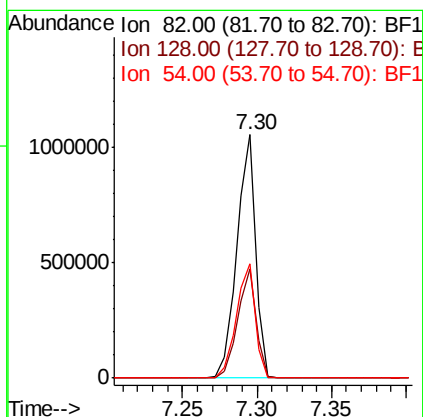
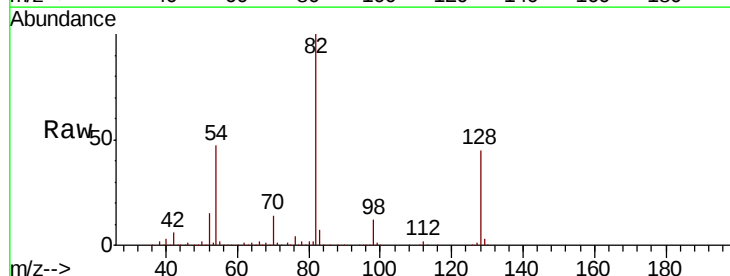
Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	863684	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	8.9	13.3	
54 7.2	6.6	9.8	
68 6.3	5.0	7.4	



#23
Nitrobenzene-d5
Concen: 67.615 ng
RT: 7.30 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

Tgt Ion: 82	Resp: 933157
Ion Ratio	Lower Upper
82 100	
128 44.7	36.1 54.1
54 47.1	41.4 62.2





#25

Isophorone

Concen: 33.706 ng

RT: 7.30 min Scan# 843

Delta R.T. -0.26 min

Lab File: BF108861.D

Acq: 7 Sep 2018 15:32

Instrument :

BNA_G

ClientSampled :

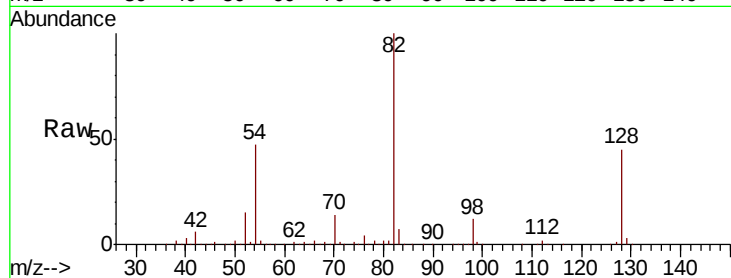
Tot Ion: 82 Resp: 927893

Ion Ratio Lower Upper

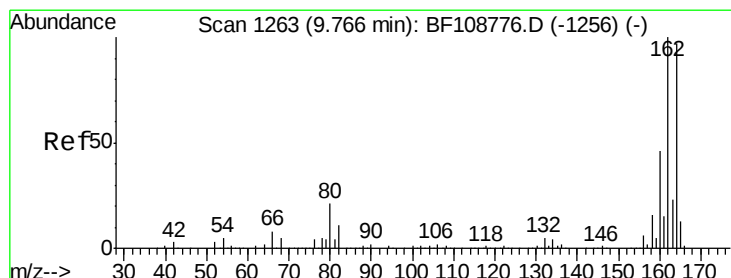
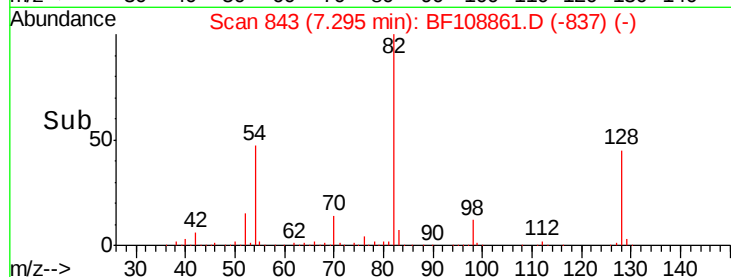
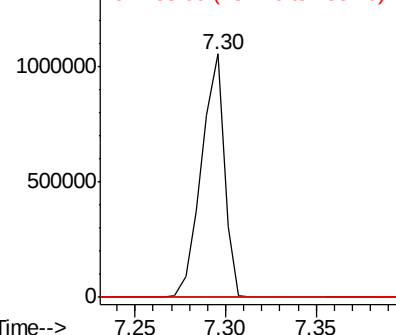
82 100

95 0.1 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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1263

Delta R.T. 0.00 min

Lab File: BF108861.D

Acq: 7 Sep 2018 15:32

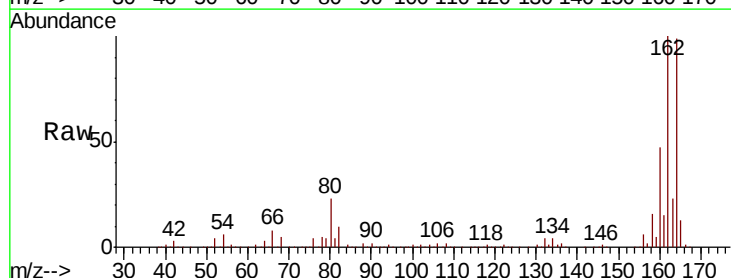
Tgt Ion: 164 Resp: 409449

Ion Ratio Lower Upper

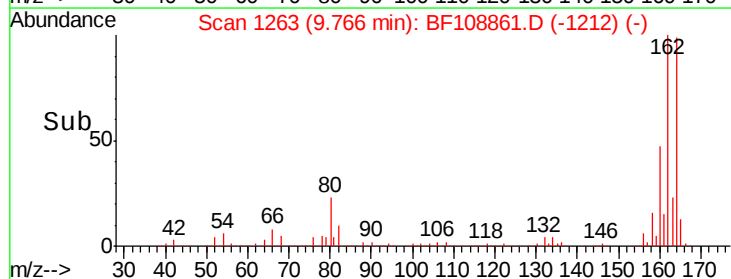
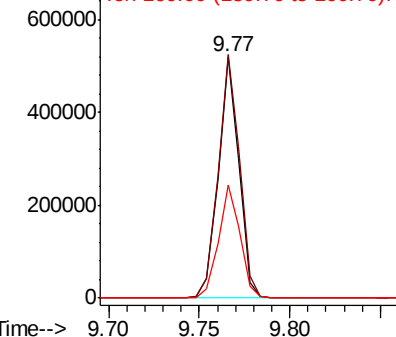
164 100

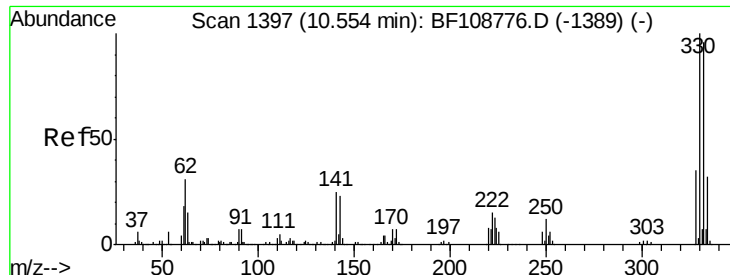
162 100.8 86.1 129.1

160 47.0 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

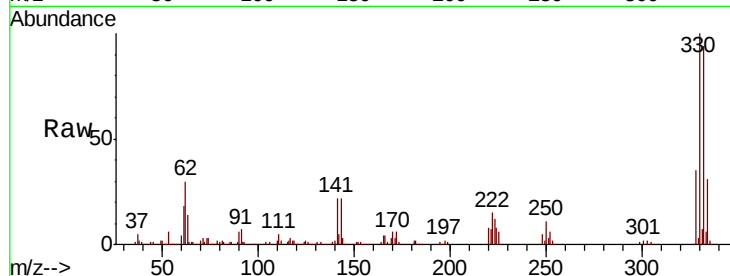




#41
 2,4,6-Tribromophenol
 Concen: 89.927 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: BF108861.D
 Acq: 7 Sep 2018 15:32

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	32.0	29.9	44.9

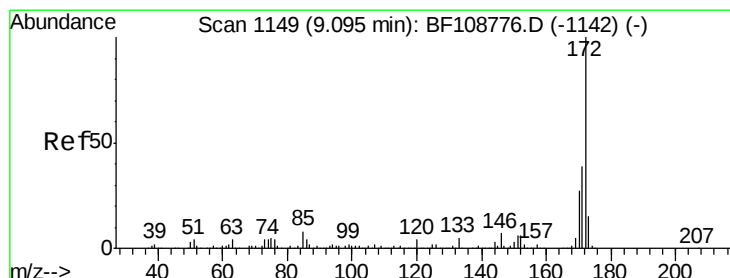
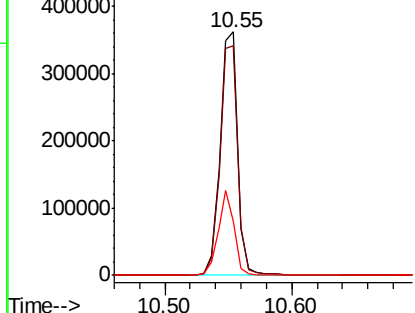
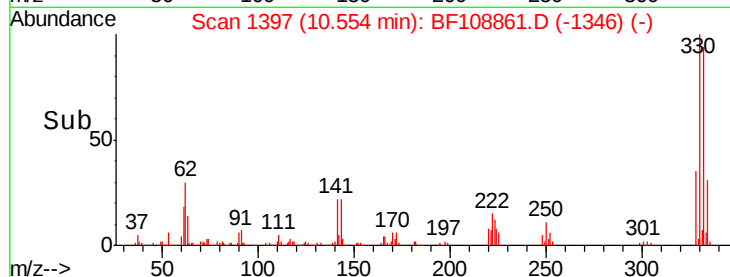


Abundance

Ion 329.80 (329.50 to 330.50): E

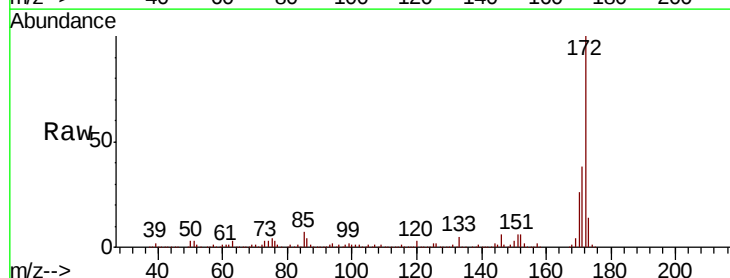
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 68.649 ng
 RT: 9.10 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: BF108861.D
 Acq: 7 Sep 2018 15:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.7	44.5
170	25.7	19.6	29.4

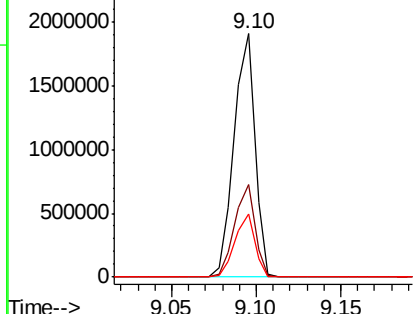
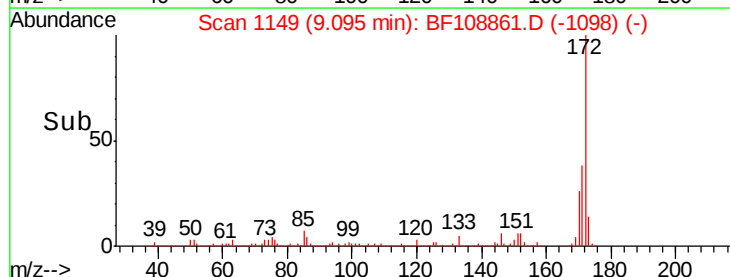


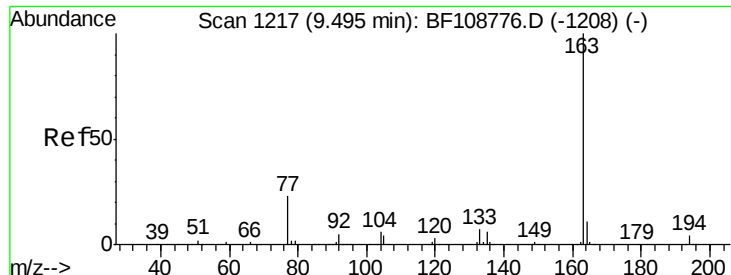
Abundance

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

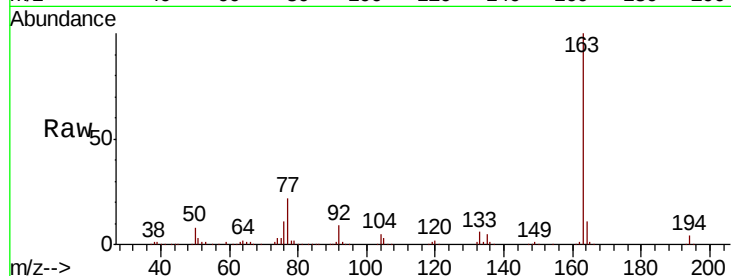




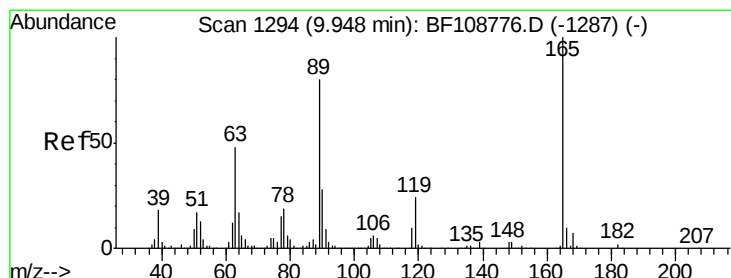
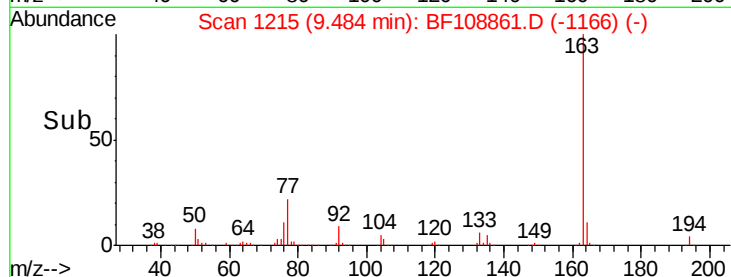
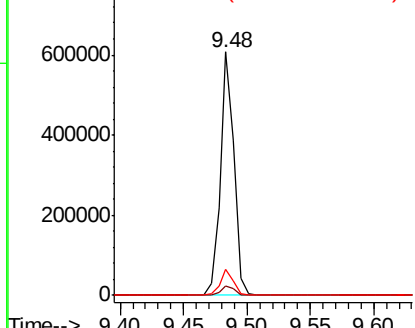
#49
Dimethylphthalate
Concen: 15.989 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	10.5	8.2	12.2

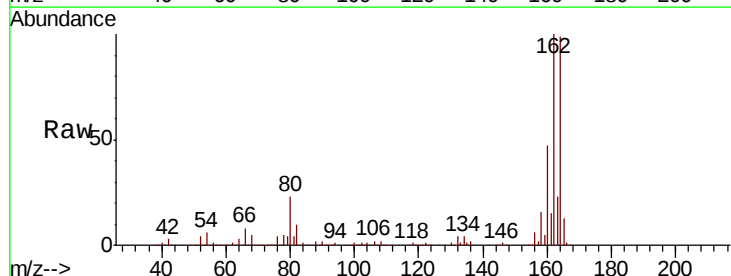


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

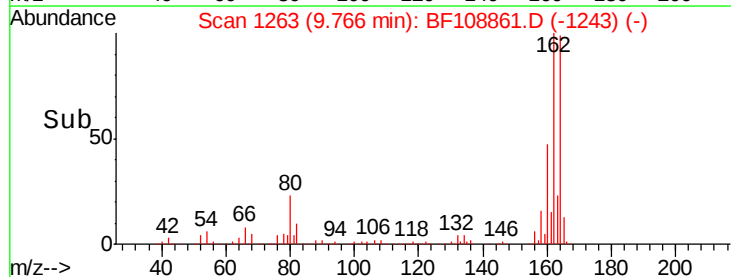
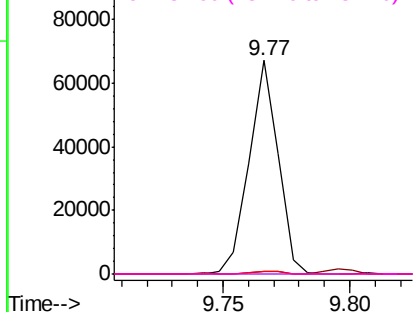


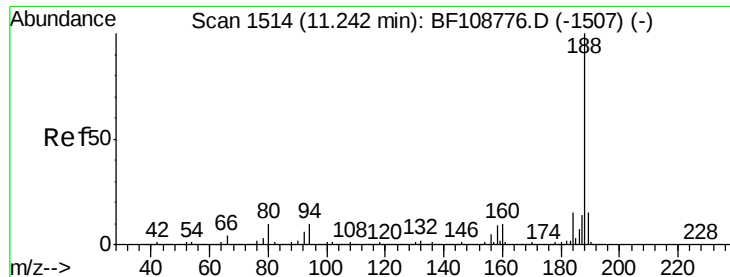
#56
2,4-Dinitrotoluene
Concen: 7.720 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.18 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.2	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

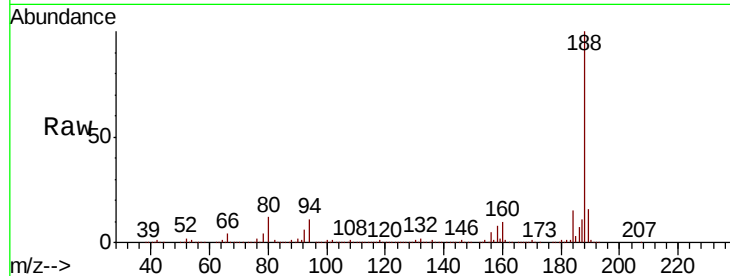




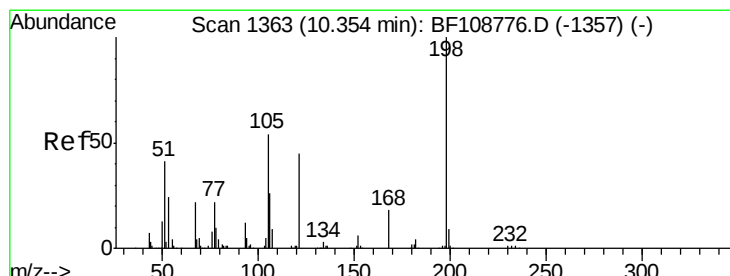
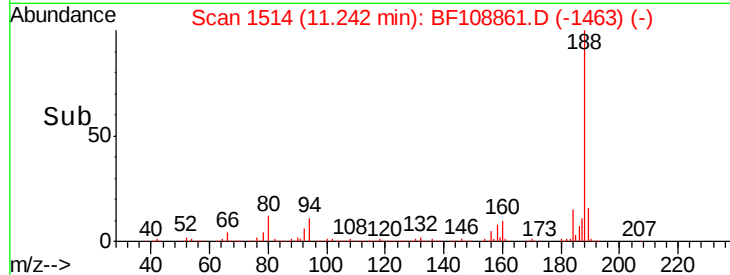
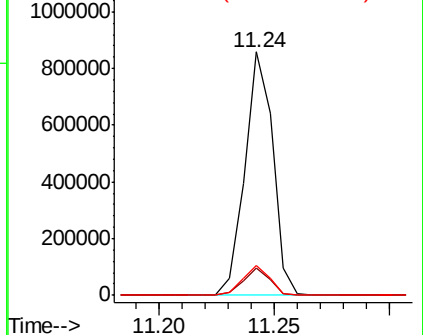
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: BF108861.D
 Acq: 7 Sep 2018 15:32

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:188 Resp: 729116
 Ion Ratio Lower Upper
 188 100
 94 11.3 8.5 12.7
 80 12.1 9.2 13.8

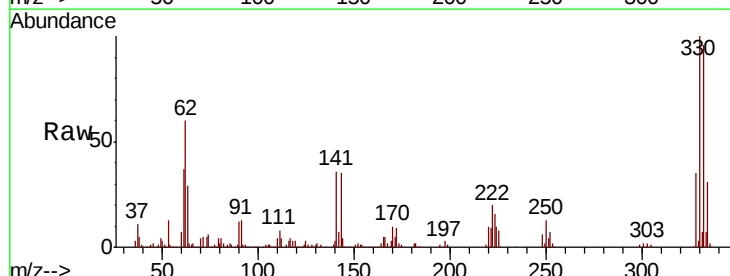


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

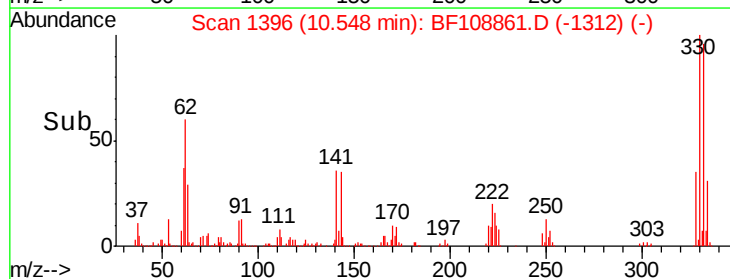
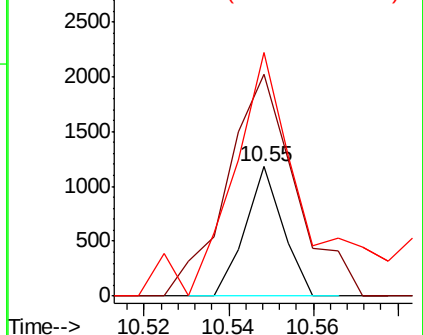


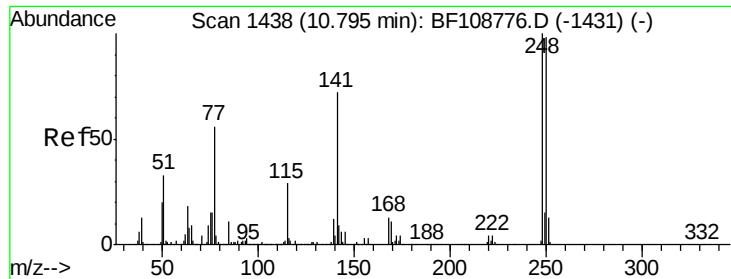
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.089 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. 0.19 min
 Lab File: BF108861.D
 Acq: 7 Sep 2018 15:32

Tgt Ion:198 Resp: 737
 Ion Ratio Lower Upper
 198 100
 51 170.9 37.7 77.7#
 105 188.0 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

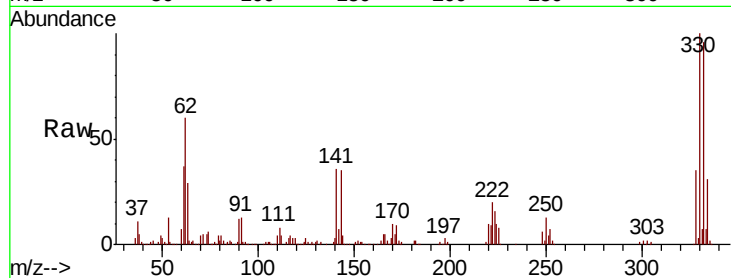




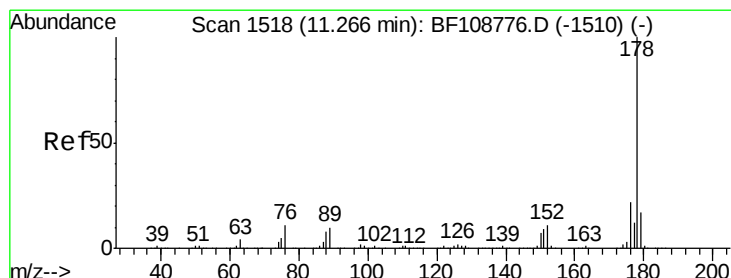
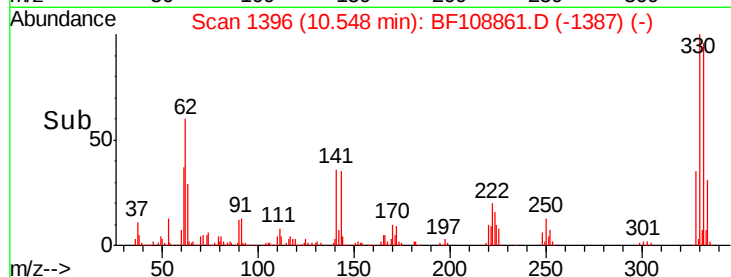
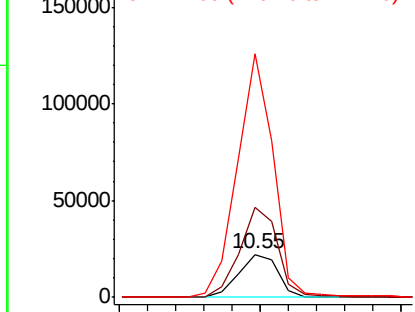
#66
 4-Bromophenyl-phenylether
 Concen: 2.579 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.25 min
 Lab File: BF108861.D
 Acq: 7 Sep 2018 15:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 21237
 Ion Ratio Lower Upper
 248 100
 250 209.4 76.9 115.3#
 141 564.4 74.4 111.6#

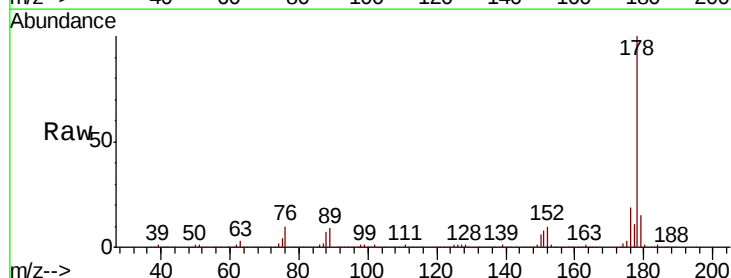


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

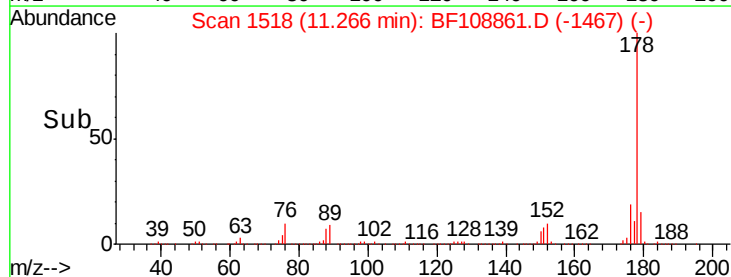
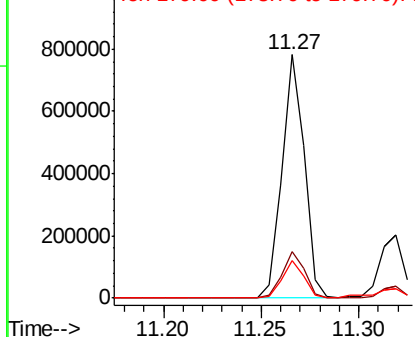


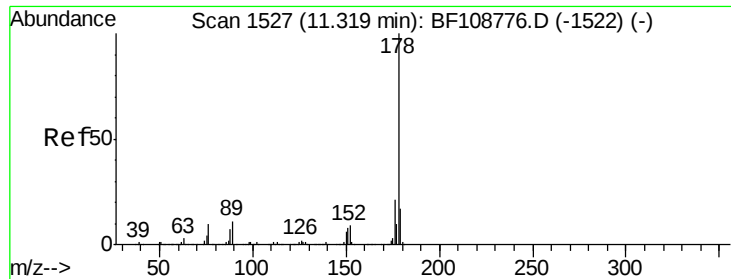
#70
 Phenanthrene
 Concen: 17.697 ng
 RT: 11.27 min Scan# 1518
 Delta R.T. 0.00 min
 Lab File: BF108861.D
 Acq: 7 Sep 2018 15:32

Tgt Ion:178 Resp: 616178
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.4 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

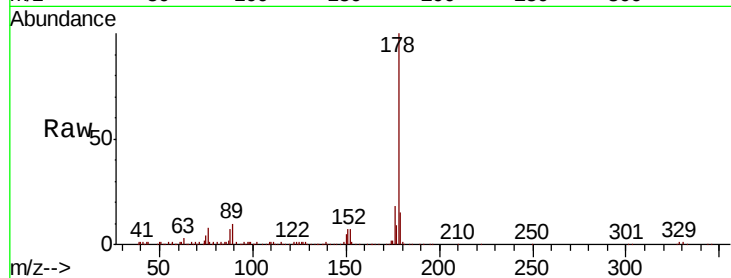




#71
 Anthracene
 Concen: 5.018 ng
 RT: 11.32 min Scan# 1527
 Delta R.T. 0.00 min
 Lab File: BF108861.D
 Acq: 7 Sep 2018 15:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	14.8	12.6	19.0

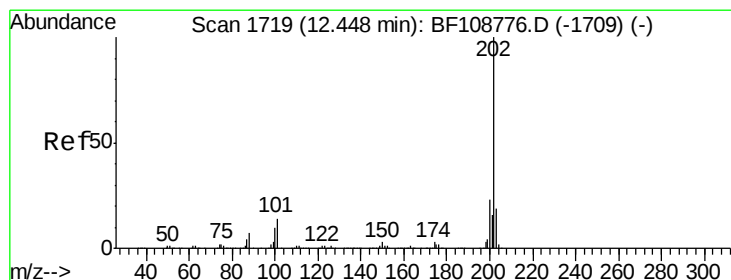
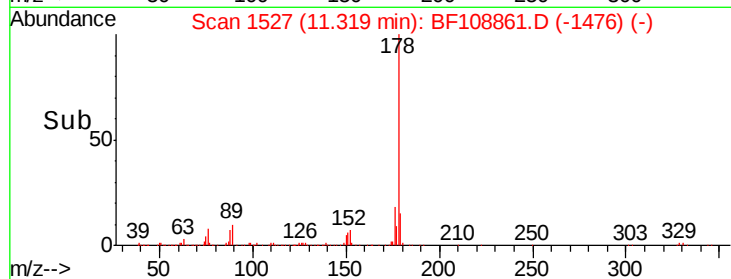
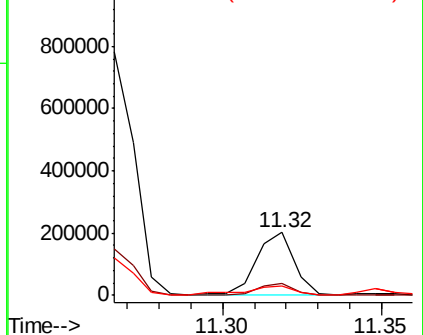


Abundance

Ion 178.00 (177.70 to 178.70): E

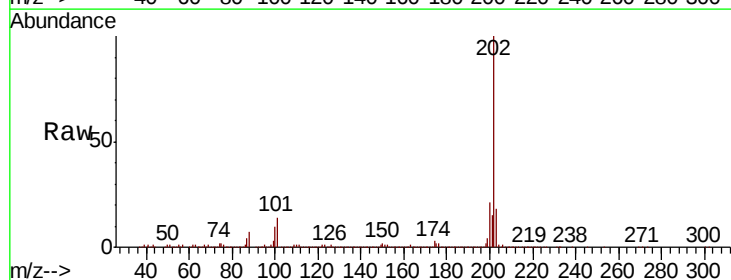
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74
 Fluoranthene
 Concen: 24.574 ng
 RT: 12.45 min Scan# 1719
 Delta R.T. 0.00 min
 Lab File: BF108861.D
 Acq: 7 Sep 2018 15:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	34.1
203	18.2	0.0	38.1

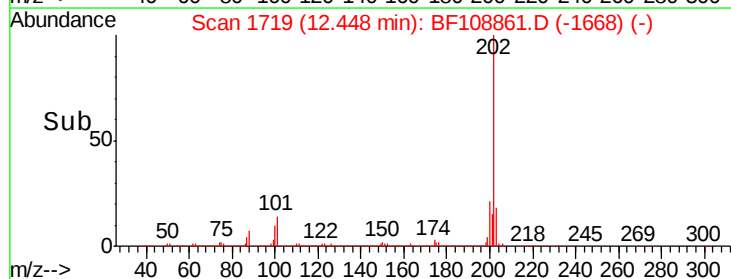
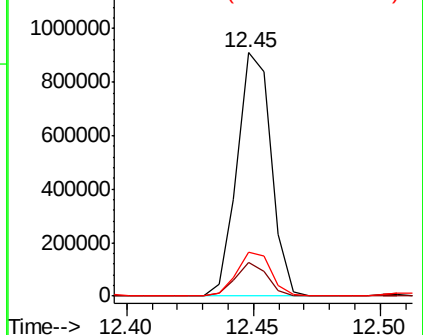


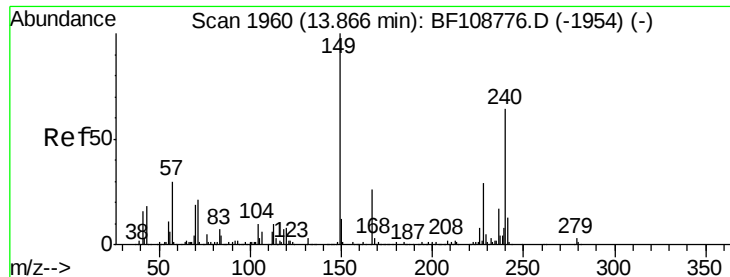
Abundance

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: BF108861.D

Acq: 7 Sep 2018 15:32

Instrument :

BNA_G

ClientSampleId :

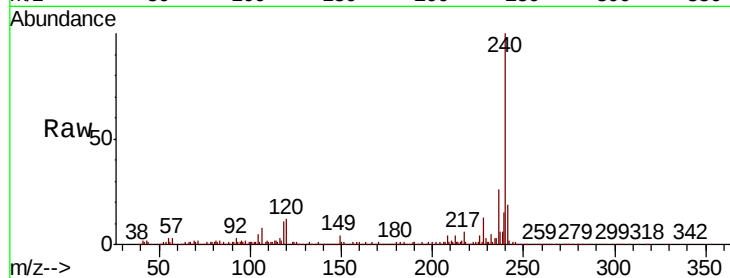
Tot Ion:240 Resp: 446336

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

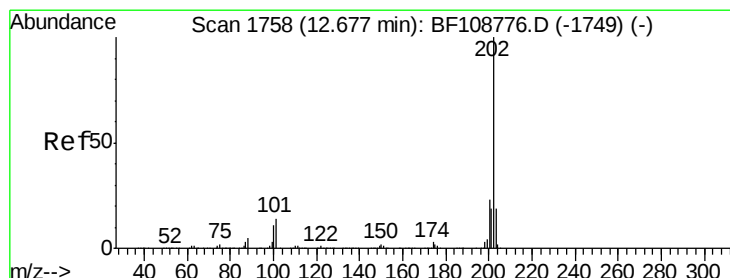
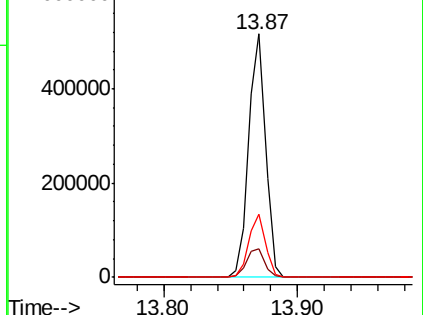
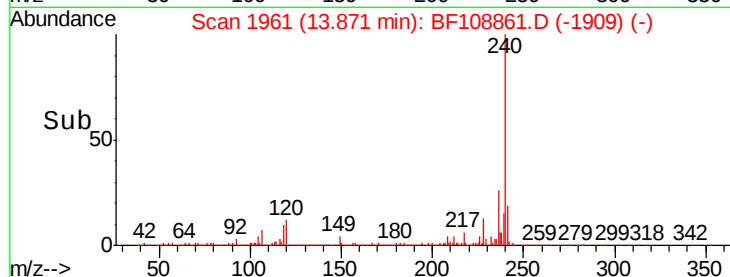
236 25.8 20.7 31.1



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

Pyrene

Concen: 23.428 ng

RT: 12.68 min Scan# 1758

Delta R.T. 0.00 min

Lab File: BF108861.D

Acq: 7 Sep 2018 15:32

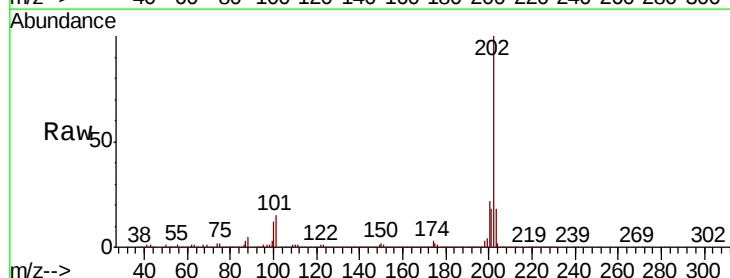
Tgt Ion:202 Resp: 804616

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

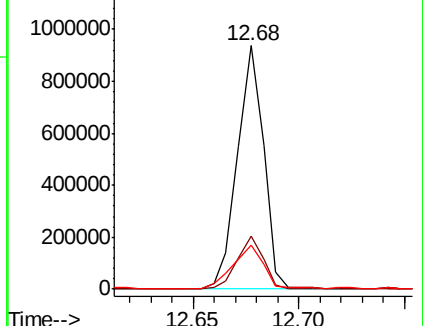
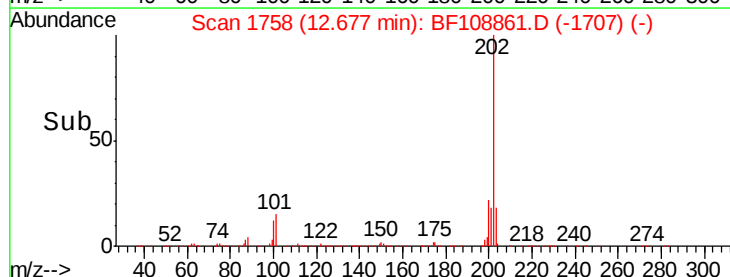
203 18.2 14.3 21.5

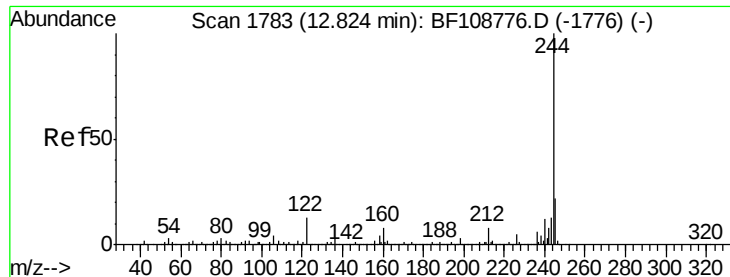


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

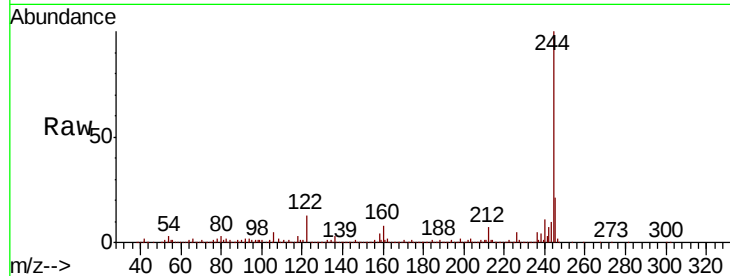




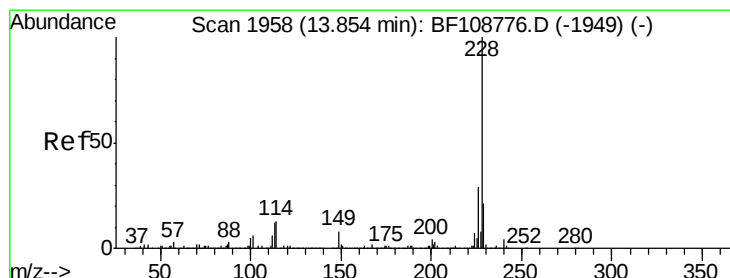
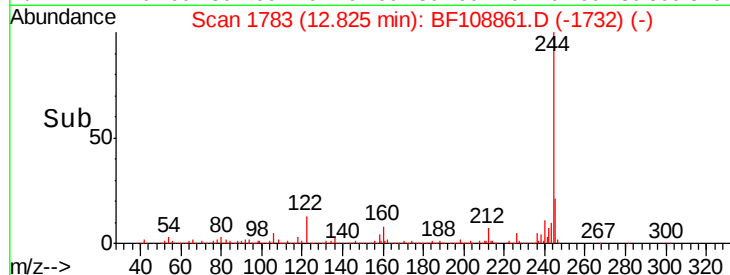
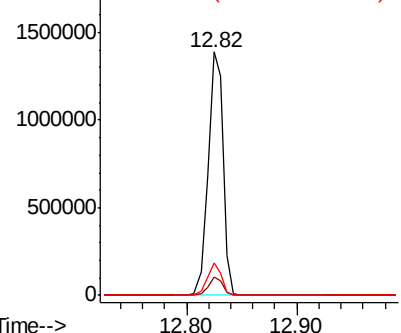
#78
 Terphenyl-d14
 Concen: 68.479 ng
 RT: 12.82 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: BF108861.D
 Acq: 7 Sep 2018 15:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1310720
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.0
 122 13.4 11.0 16.4

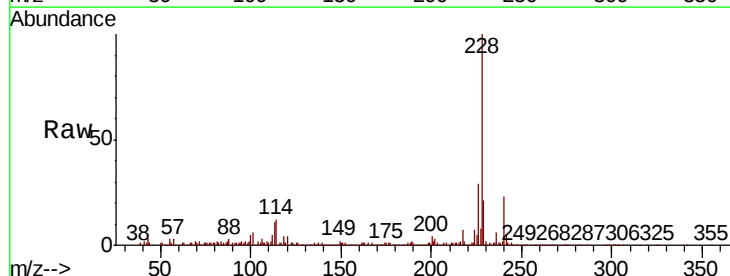


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

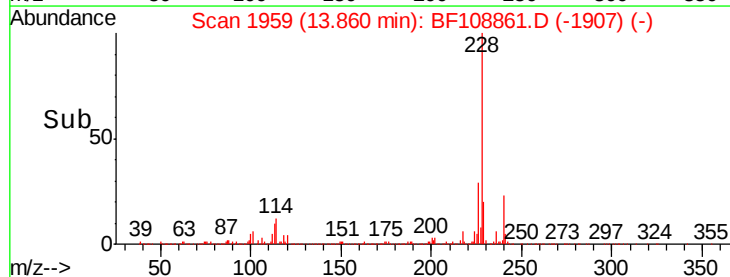
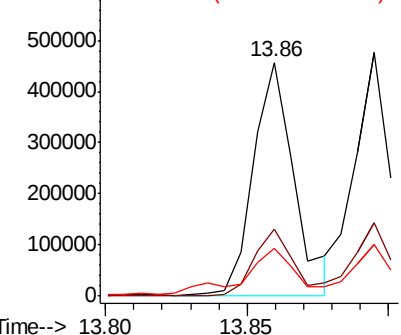


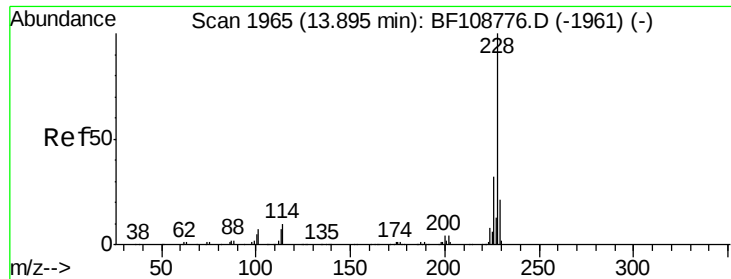
#80
 Benzo(a)anthracene
 Concen: 15.887 ng
 RT: 13.86 min Scan# 1959
 Delta R.T. 0.01 min
 Lab File: BF108861.D
 Acq: 7 Sep 2018 15:32

Tgt Ion:228 Resp: 454507
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.6 33.8
 229 20.6 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

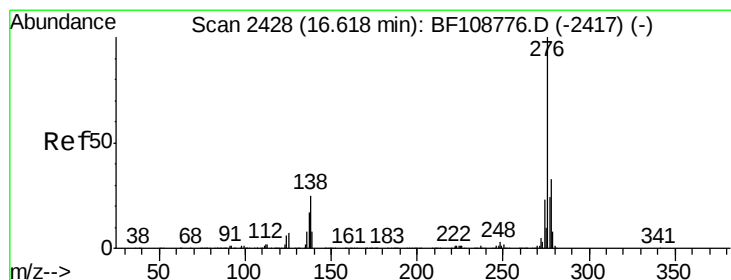
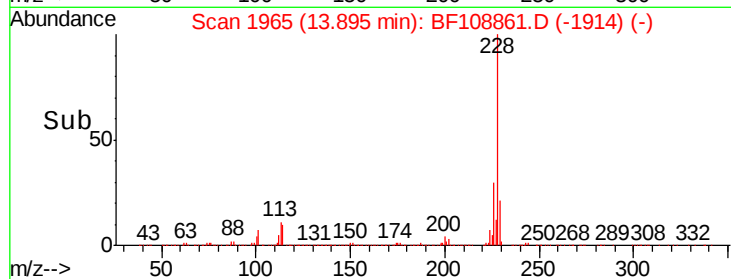
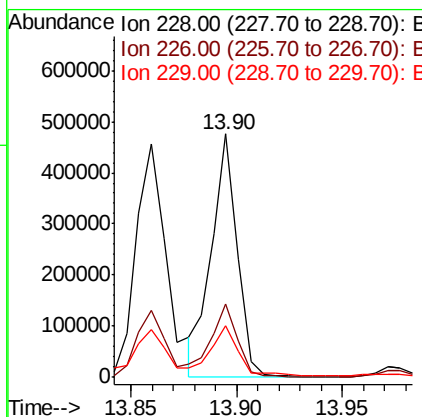
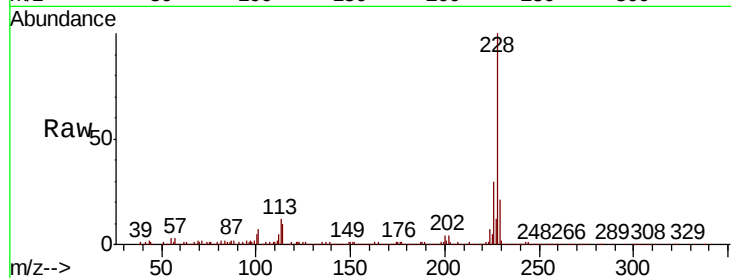




#82
Chrysene
Concen: 14.595 ng
RT: 13.90 min Scan# 1965
Delta R.T. 0.00 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

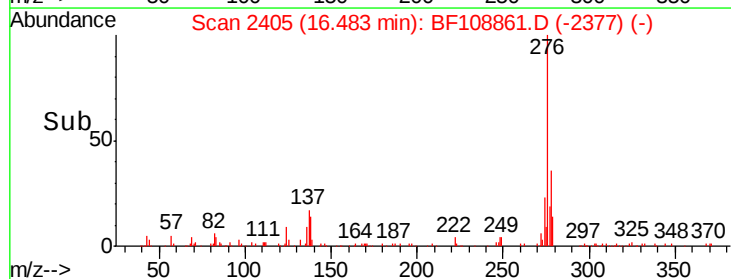
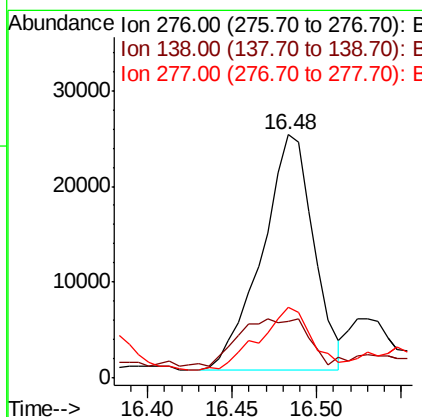
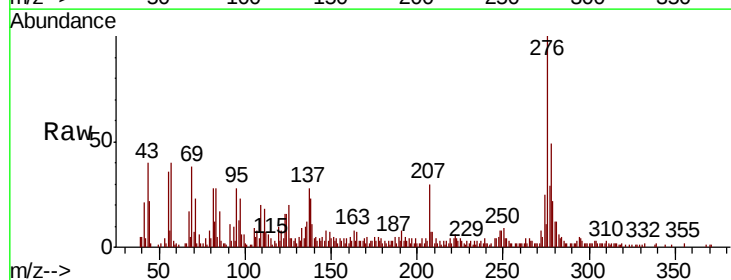
Instrument :
BNA_G
ClientSampleId :

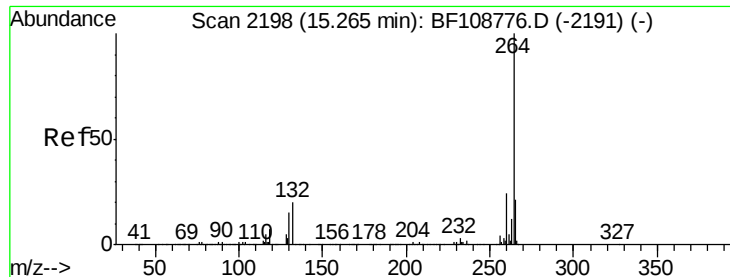
Tot Ion:228 Resp: 404222
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 21.0 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.127 ng
RT: 16.48 min Scan# 2405
Delta R.T. -0.14 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

Tgt Ion:276 Resp: 52135
Ion Ratio Lower Upper
276 100
138 25.6 25.0 37.6
277 26.9 20.1 30.1

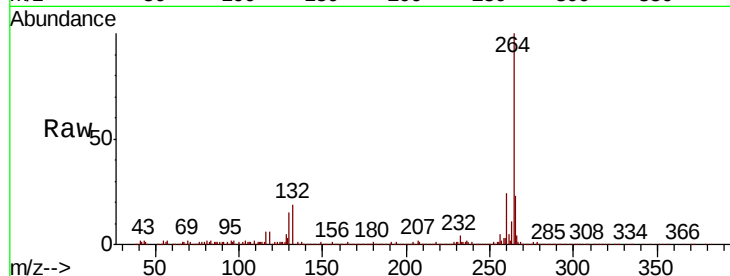




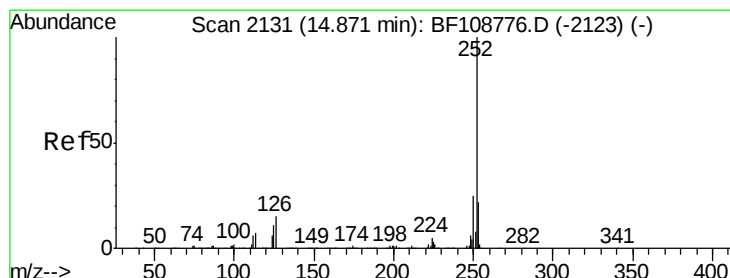
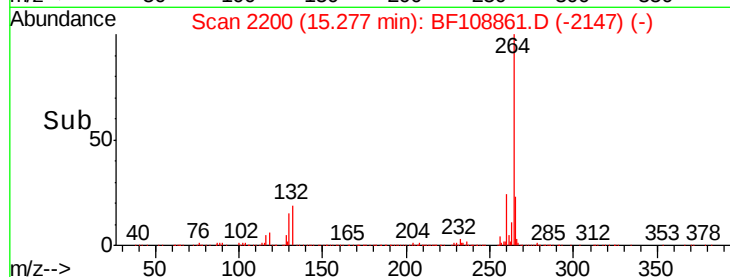
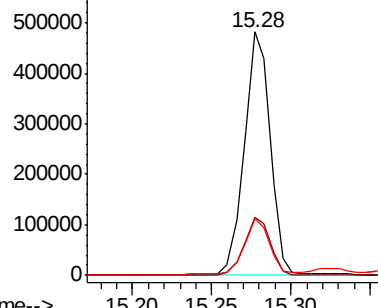
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 549150
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 23.2 17.5 26.3

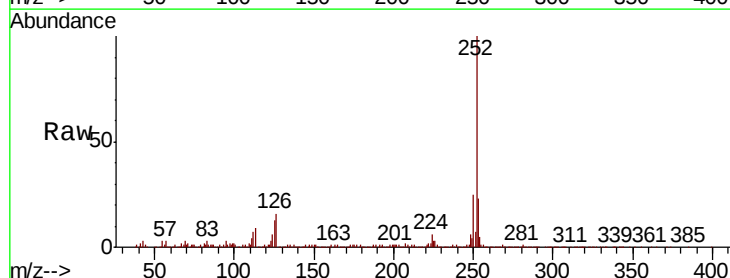


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

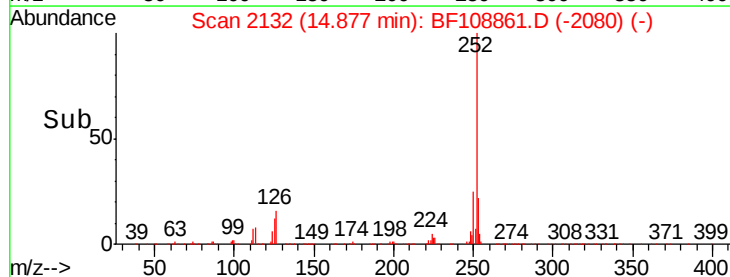
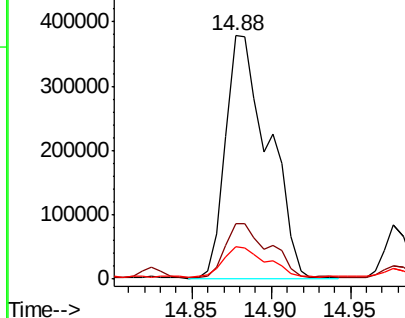


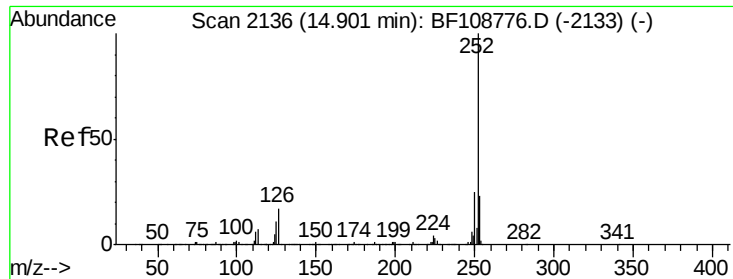
#87
Benzo(b)fluoranthene
Concen: 23.832 ng
RT: 14.88 min Scan# 2132
Delta R.T. 0.01 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

Tgt Ion:252 Resp: 711623
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 13.2 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

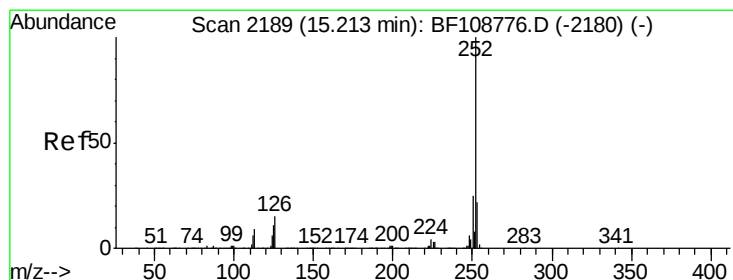
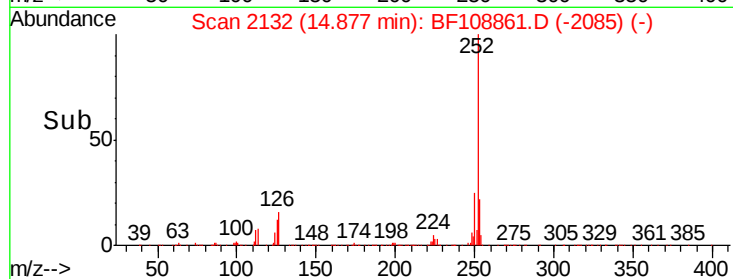
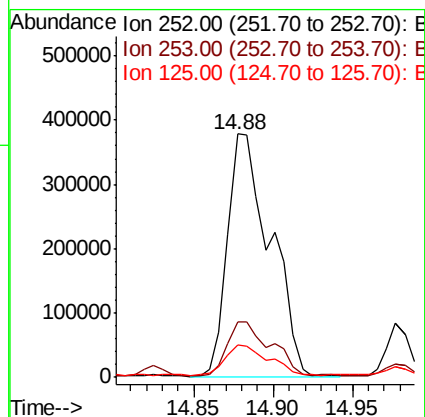
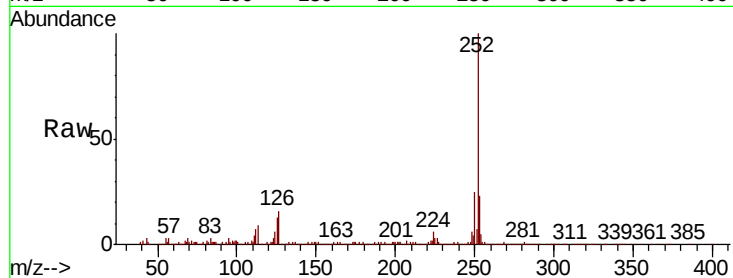




#88
Benzo(k)fluoranthene
Concen: 25.879 ng
RT: 14.88 min Scan# 2132
Delta R.T. -0.02 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

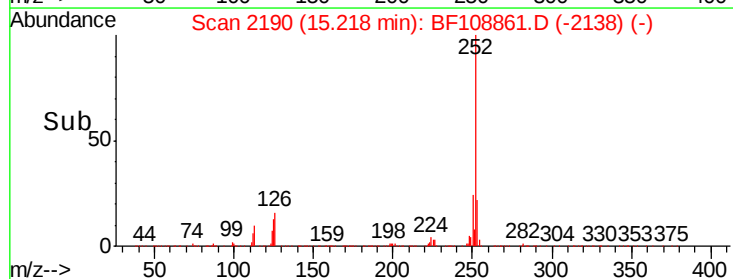
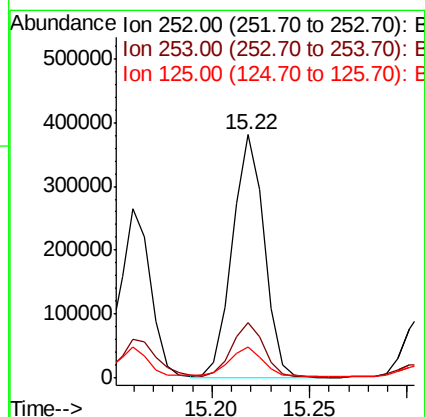
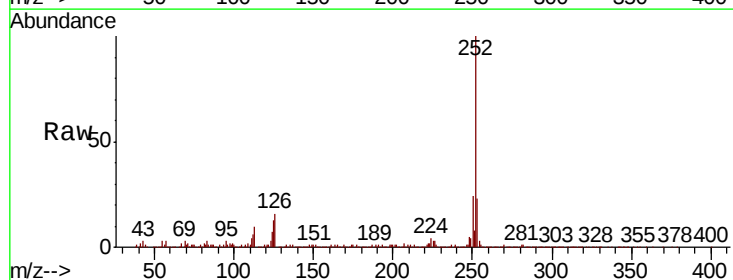
Instrument :
BNA_G
ClientSampleId :

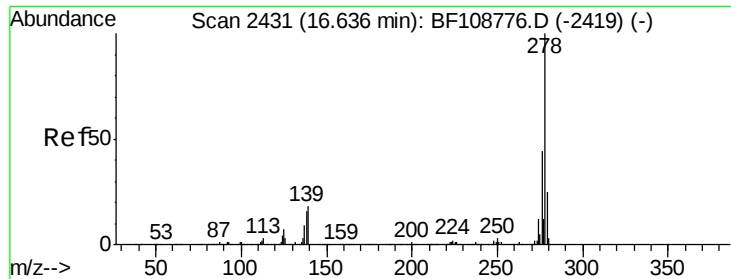
Tot Ion:252 Resp: 711623
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 13.2 10.2 15.2



#89
Benzo(a)pyrene
Concen: 15.878 ng
RT: 15.22 min Scan# 2190
Delta R.T. 0.01 min
Lab File: BF108861.D
Acq: 7 Sep 2018 15:32

Tgt Ion:252 Resp: 427800
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 12.7 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 3.489 ng

RT: 16.64 min Scan# 2432

Delta R.T. 0.01 min

Lab File: BF108861.D

Acq: 7 Sep 2018 15:32

Instrument :

BNA_G

ClientSampleId :

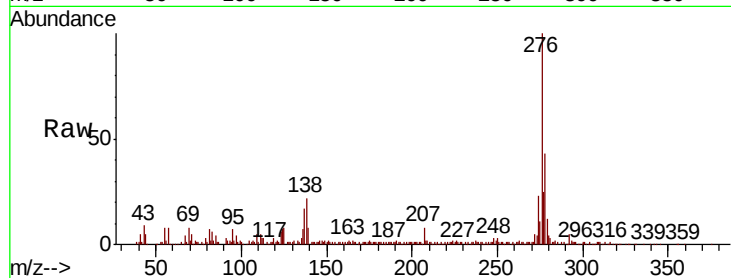
Tot Ion:278 Resp: 82843

Ion Ratio Lower Upper

278 100

139 18.6 15.9 23.9

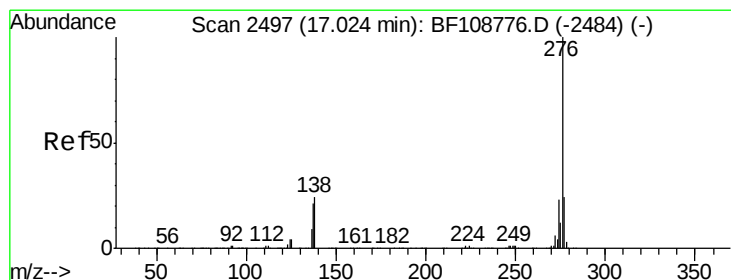
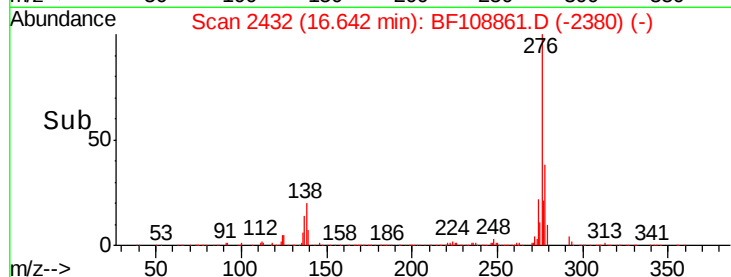
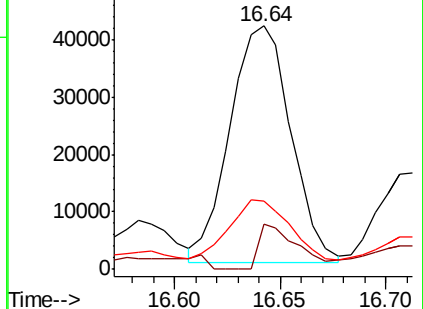
279 27.8 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 10.793 ng

RT: 17.04 min Scan# 2500

Delta R.T. 0.02 min

Lab File: BF108861.D

Acq: 7 Sep 2018 15:32

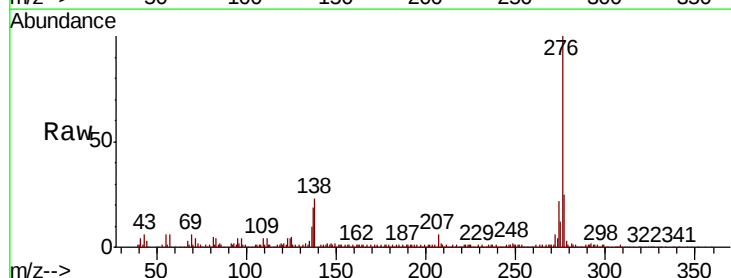
Tgt Ion:276 Resp: 256550

Ion Ratio Lower Upper

276 100

277 24.6 17.9 26.9

138 23.1 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

