

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
 Data File : BF108860.D
 Acq On : 7 Sep 2018 15:05
 Operator : JU/SJ
 Sample : J4825-17
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 07 15:39:26 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	214147	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	803799	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	374786	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	644324	20.00	ng	0.00
75) Chrysene-d12	13.87	240	423916	20.00	ng	0.00
86) Perylene-d12	15.28	264	538354	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1019920	78.90	ng	0.01
7) Phenol-d6	6.37	99	1317180	79.20	ng	0.00
23) Nitrobenzene-d5	7.30	82	814338	63.40	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	286399	80.05	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1448297	65.92	ng	0.00
78) Terphenyl-d14	12.82	244	1062786	58.46	ng	0.00

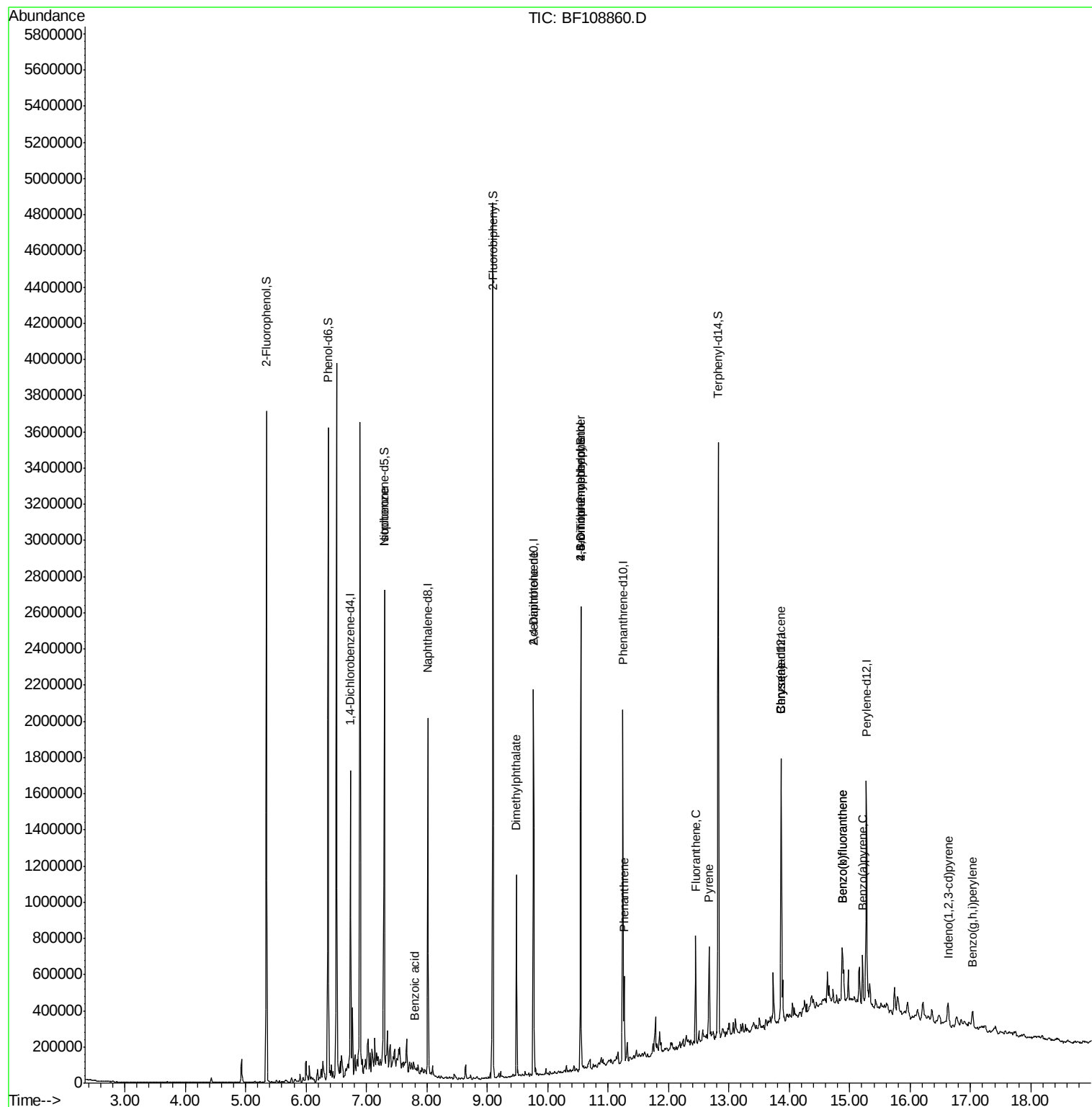
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.30	82	808973	31.576	ng	# 65
32) Benzoic acid	7.80	122	1044	4.168	ng	88
49) Dimethylphthalate	9.48	163	373784	14.259	ng	99
56) 2,4-Dinitrotoluene	9.77	165	48438	7.583	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	687	7.101	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	17284	2.375	ng	# 1
70) Phenanthrene	11.27	178	150046	4.876	ng	98
74) Fluoranthene	12.45	202	217044	7.124	ng	98
77) Pyrene	12.68	202	209970	6.437	ng	99
80) Benzo(a)anthracene	13.86	228	103386	3.805	ng	95
82) Chrysene	13.86	228	103386	3.930	ng	98
85) Indeno(1,2,3-cd)pyrene	16.62	276	81058	3.482	ng	93
87) Benzo(b)fluoranthene	14.88	252	207010	7.072	ng	# 95
88) Benzo(k)fluoranthene	14.88	252	207010	7.679	ng	98
89) Benzo(a)pyrene	15.21	252	120967	4.580	ng	# 93
91) Benzo(g,h,i)perylene	17.04	276	78359	3.363	ng	96

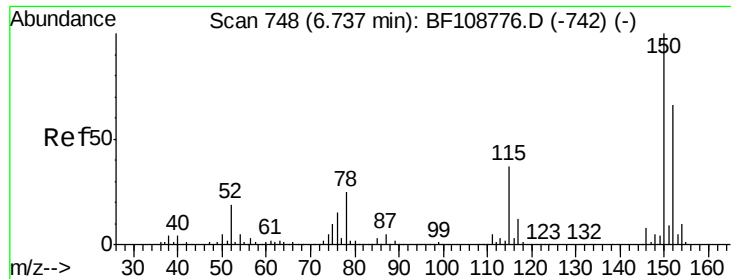
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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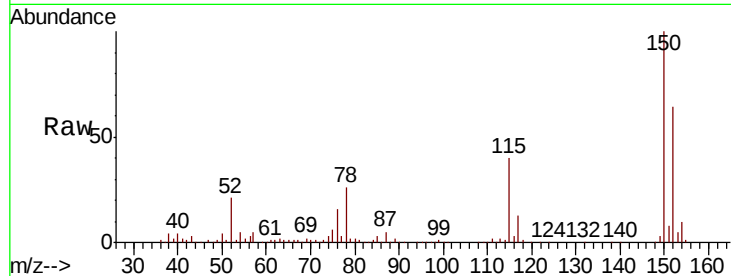


#1

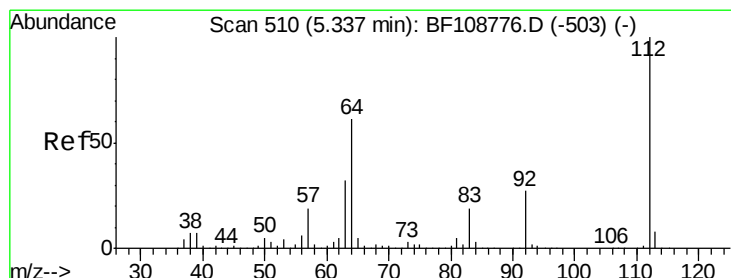
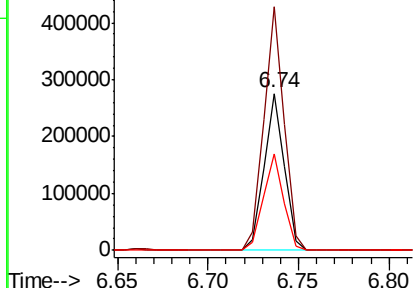
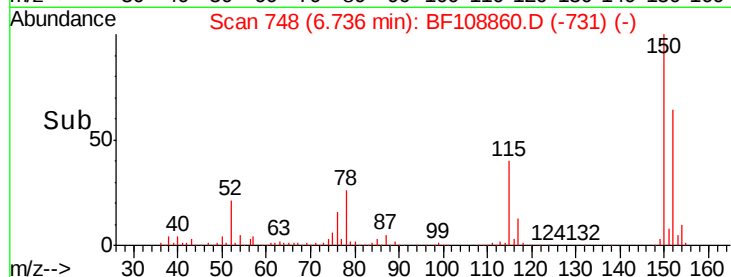
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108860.D
Acq: 7 Sep 2018 15:05

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 214147
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 61.3 50.1 75.1



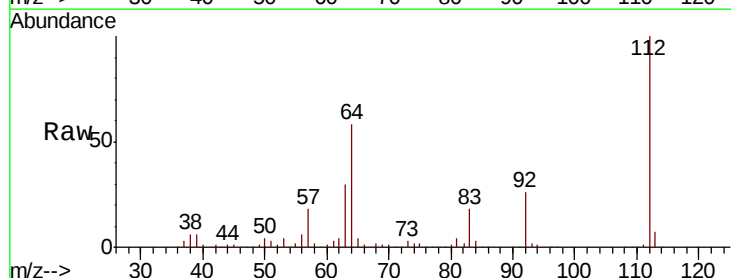
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



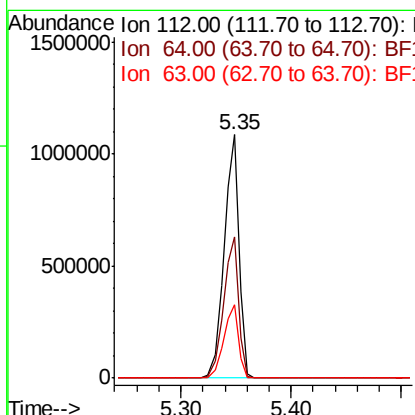
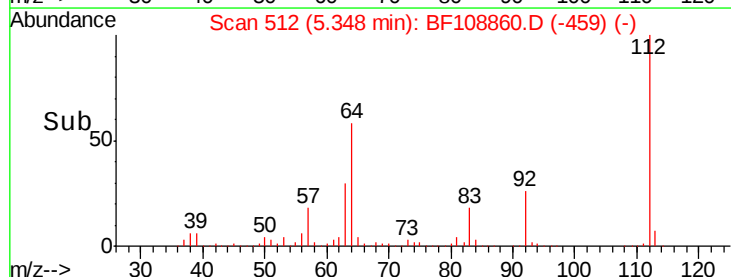
#5

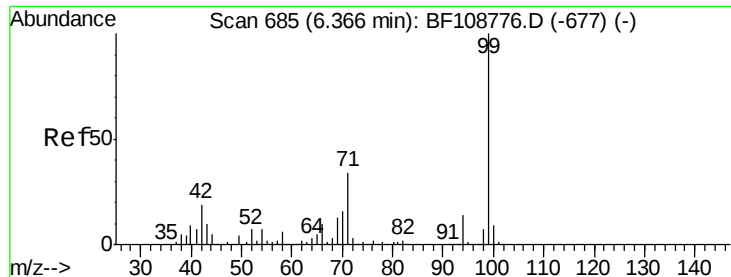
2-Fluorophenol
Concen: 78.902 ng
RT: 5.35 min Scan# 512
Delta R.T. 0.01 min
Lab File: BF108860.D
Acq: 7 Sep 2018 15:05

Tgt Ion:112 Resp: 1019920
Ion Ratio Lower Upper
112 100
64 58.2 47.9 71.9
63 30.1 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: 79.197 ng

RT: 6.37 min Scan# 686

Delta R.T. 0.01 min

Lab File: BF108860.D

Acq: 7 Sep 2018 15:05

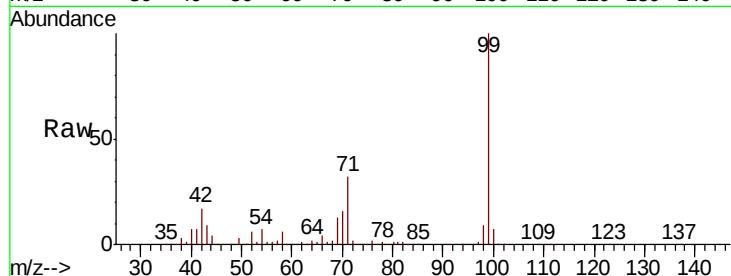
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 1317180

Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.5	21.7
71	32.3	25.4	38.0

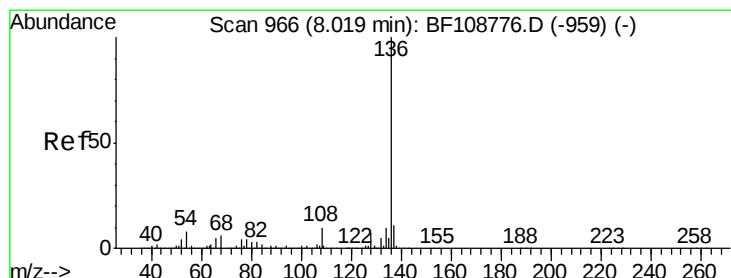
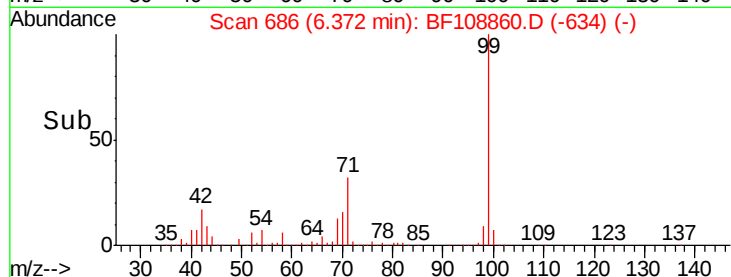


Abundance

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

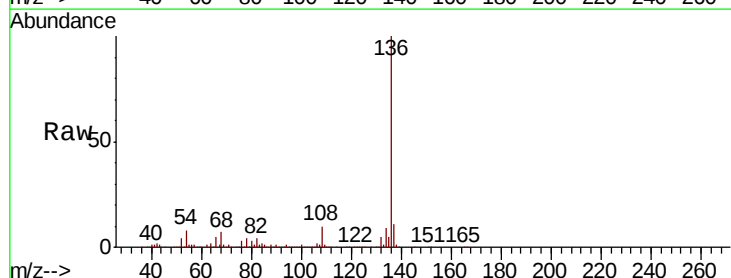
Delta R.T. -0.00 min

Lab File: BF108860.D

Acq: 7 Sep 2018 15:05

Tgt Ion: 136 Resp: 803799

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.5	6.6	9.8
68	6.7	5.0	7.4



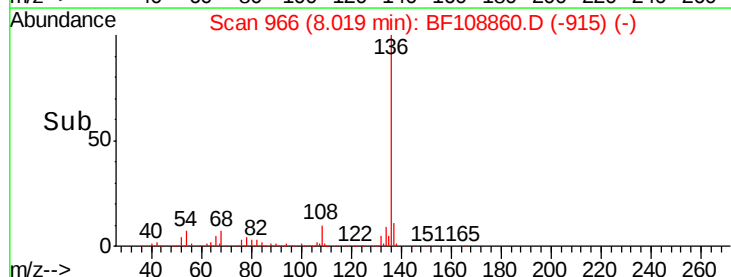
Abundance

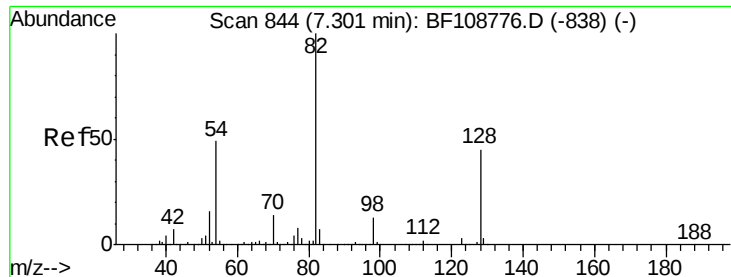
Ion 136.00 (135.70 to 136.70): E

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

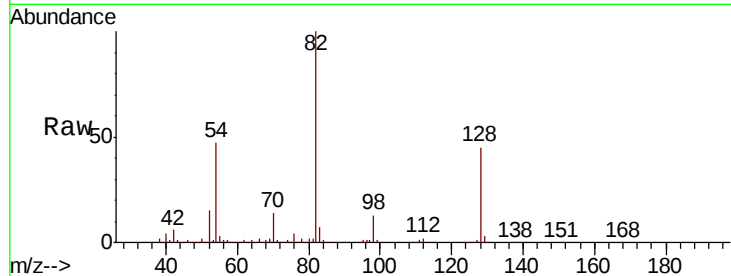




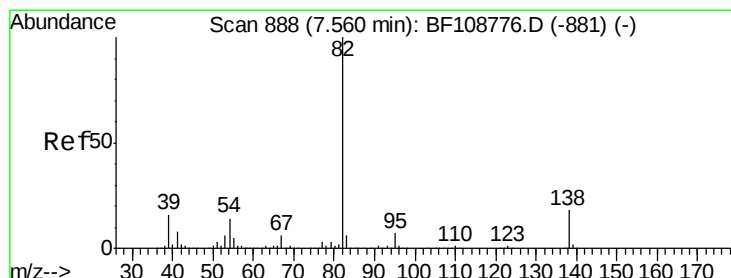
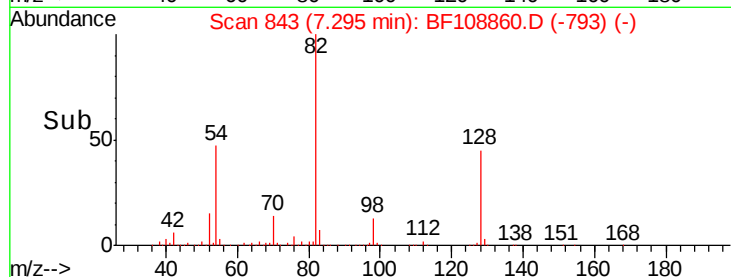
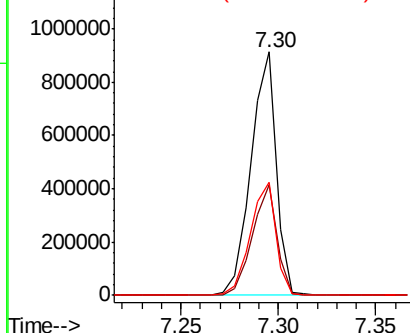
#23
Nitrobenzene-d5
Concen: 63.401 ng
RT: 7.30 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF108860.D
Acq: 7 Sep 2018 15:05

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	814338
Ion Ratio	Lower	Upper	
82	100		
128	45.2	36.1	54.1
54	46.7	41.4	62.2

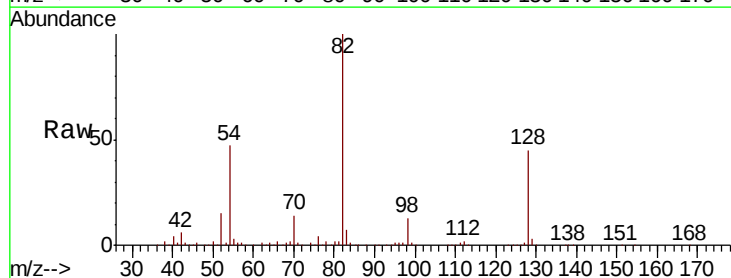


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

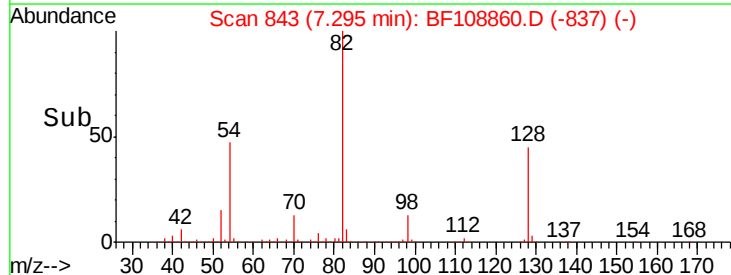
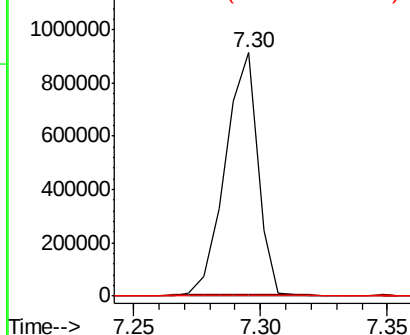


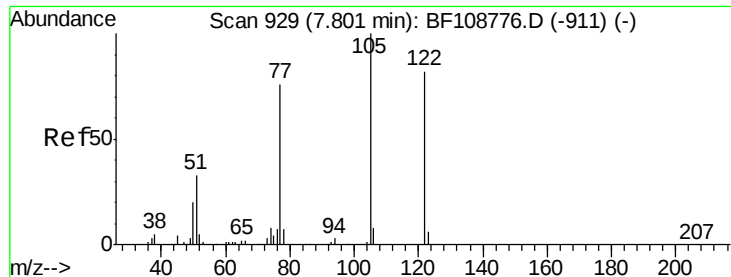
#25
Isophorone
Concen: 31.576 ng
RT: 7.30 min Scan# 843
Delta R.T. -0.26 min
Lab File: BF108860.D
Acq: 7 Sep 2018 15:05

Tgt Ion	82	Resp	808973
Ion Ratio	Lower	Upper	
82	100		
95	0.6	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

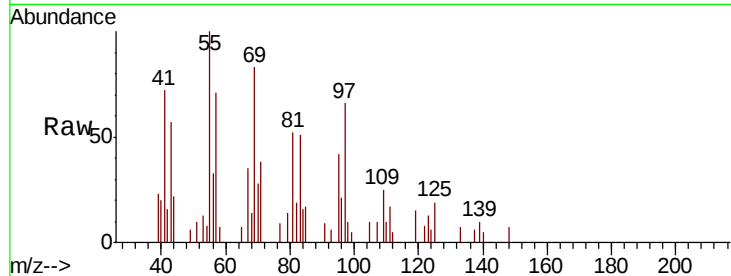




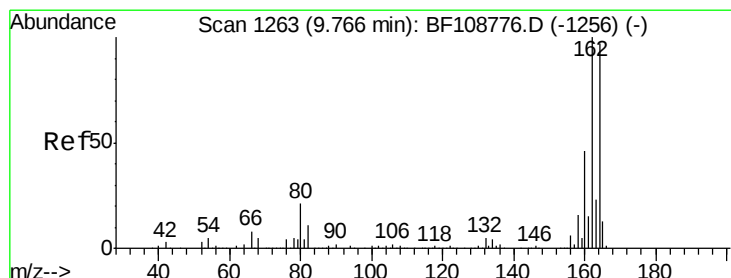
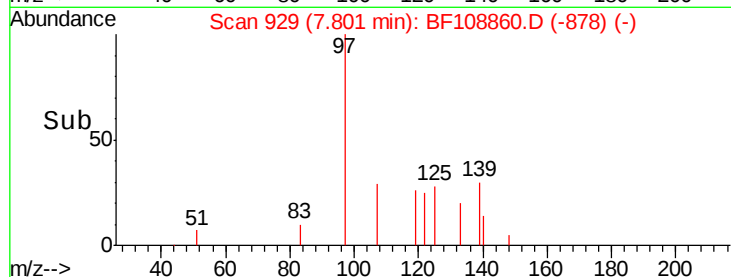
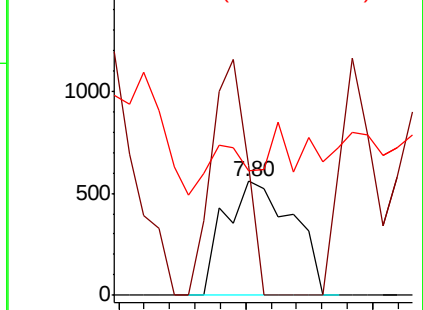
#32
Benzoic acid
Concen: 4.168 ng
RT: 7.80 min Scan# 929
Delta R.T. 0.00 min
Lab File: BF108860.D
Acq: 7 Sep 2018 15:05

Instrument :
BNA_G
ClientSampled :

Tot Ion:122 Resp: 1044
Ion Ratio Lower Upper
122 100
105 114.0 101.1 141.1
77 109.1 70.7 110.7

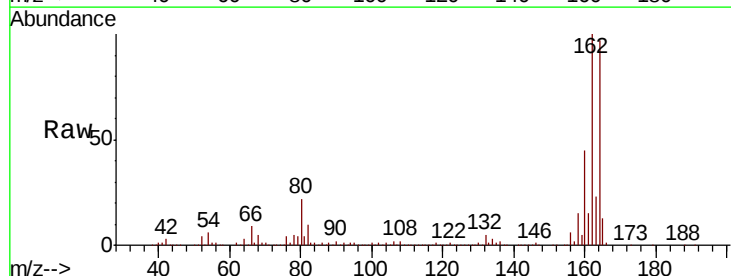


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

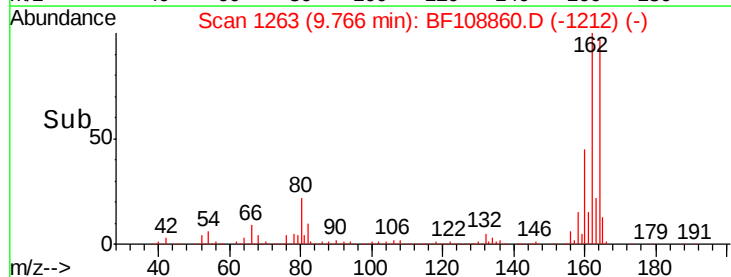
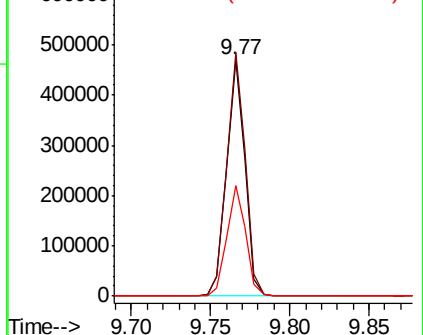


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BF108860.D
Acq: 7 Sep 2018 15:05

Tgt Ion:164 Resp: 374786
Ion Ratio Lower Upper
164 100
162 103.1 86.1 129.1
160 46.9 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

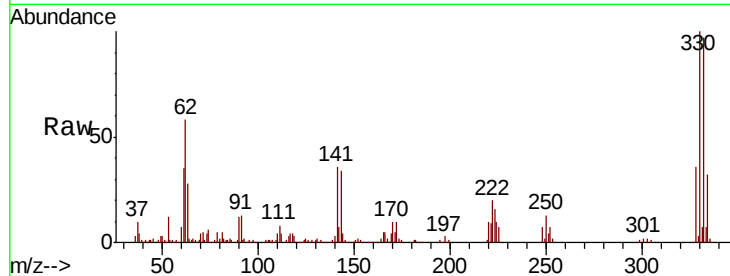




#41
 2,4,6-Tribromophenol
 Concen: 80.047 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108860.D
 Acq: 7 Sep 2018 15:05

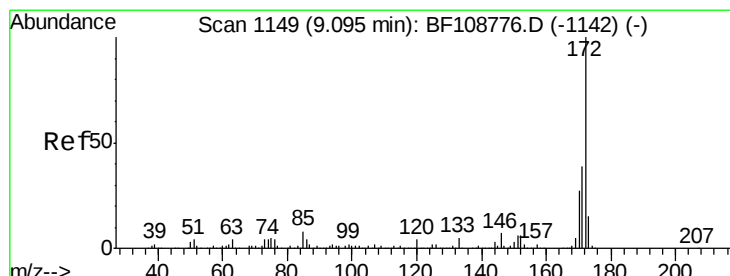
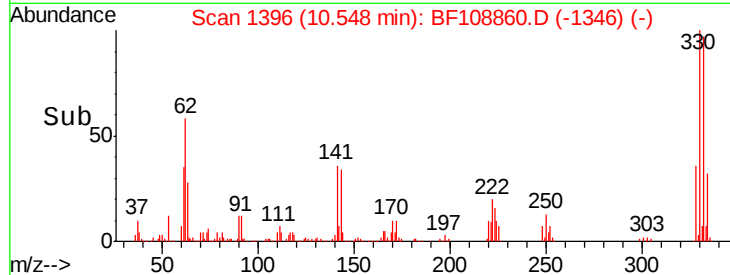
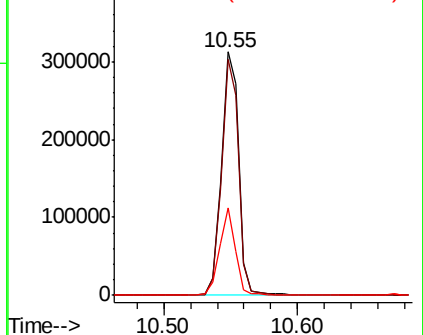
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	32.6	29.9	44.9



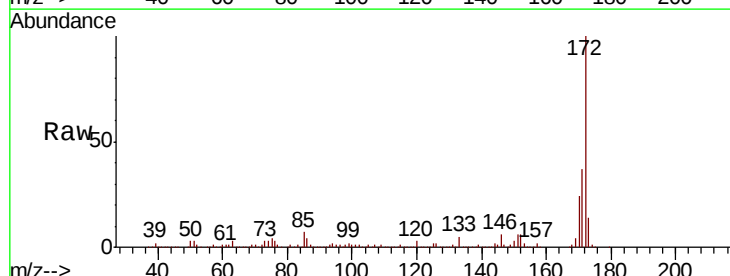
Abundance

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



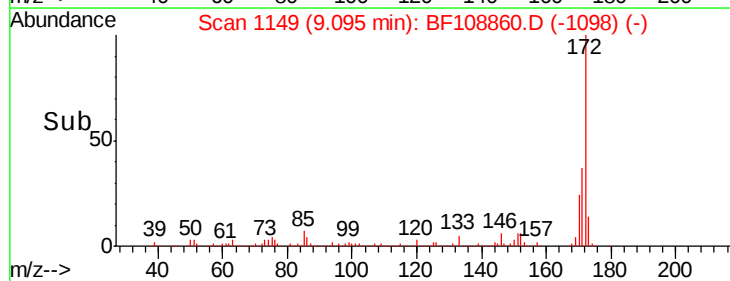
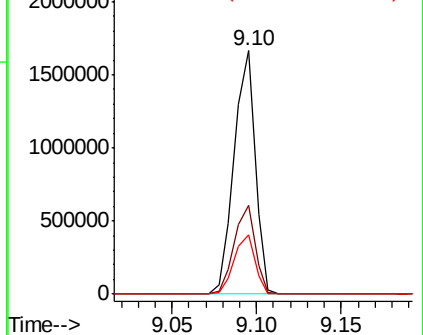
#44
 2-Fluorobiphenyl
 Concen: 65.925 ng
 RT: 9.10 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: BF108860.D
 Acq: 7 Sep 2018 15:05

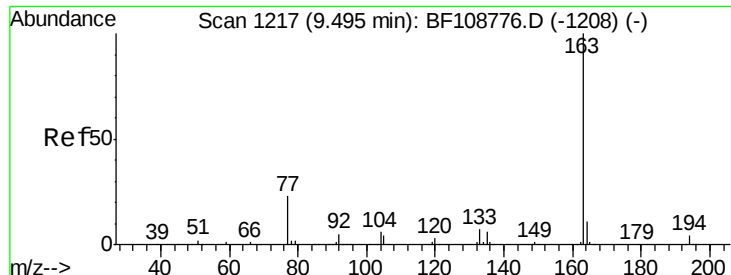
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.3	19.6	29.4



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: 14.259 ng

RT: 9.48 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF108860.D

Acq: 7 Sep 2018 15:05

Instrument :

BNA_G

ClientSampleId :

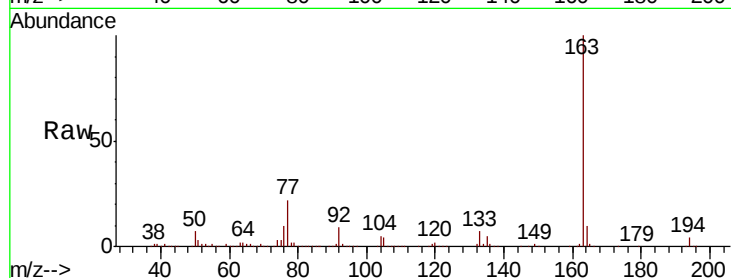
Tot Ion:163 Resp: 373784

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

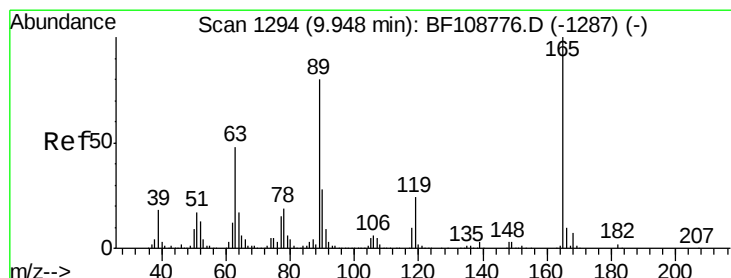
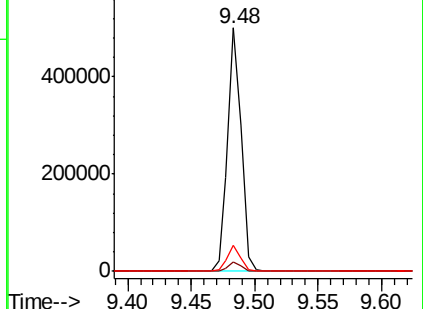
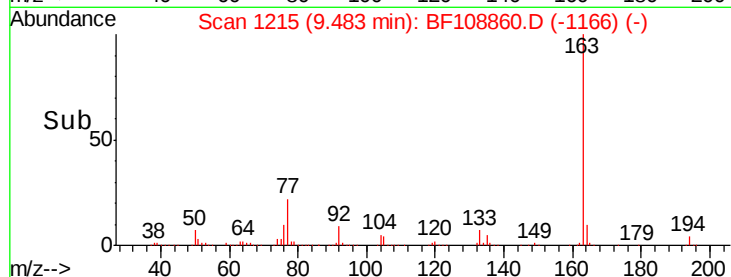
164 10.5 8.2 12.2



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: 7.583 ng

RT: 9.77 min Scan# 1263

Delta R.T. -0.18 min

Lab File: BF108860.D

Acq: 7 Sep 2018 15:05

Tgt Ion:165 Resp: 48438

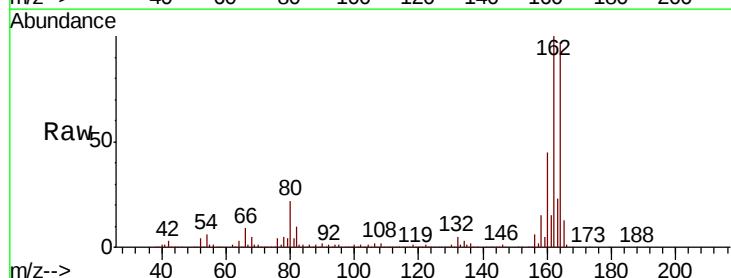
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.1 57.8 86.6#

182 0.0 1.6 2.4#

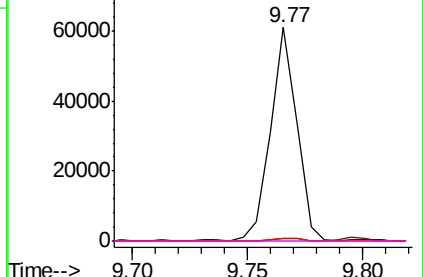
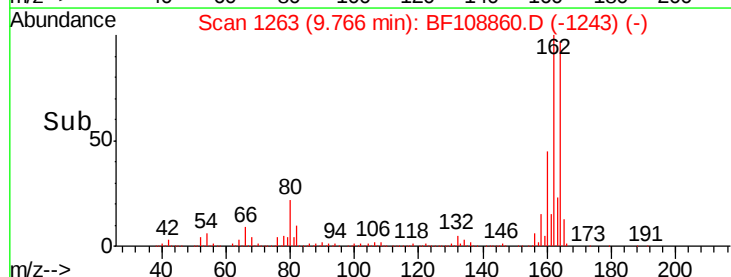


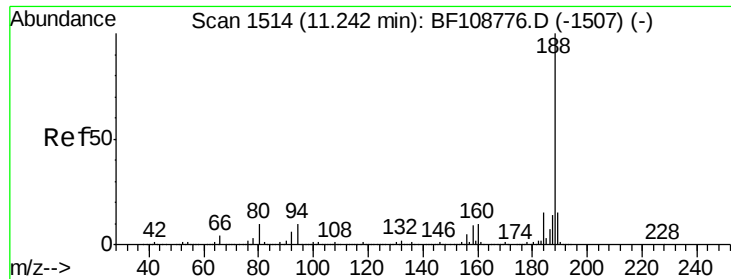
Abundance Ion 165.00 (164.70 to 165.70): E

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

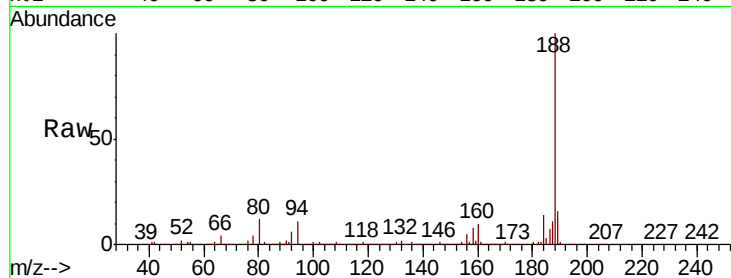




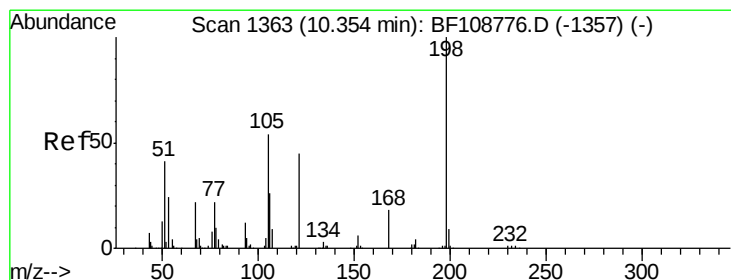
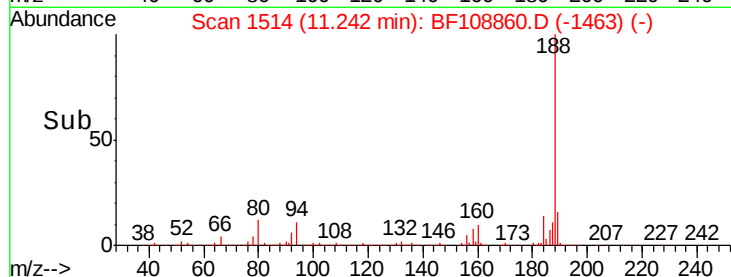
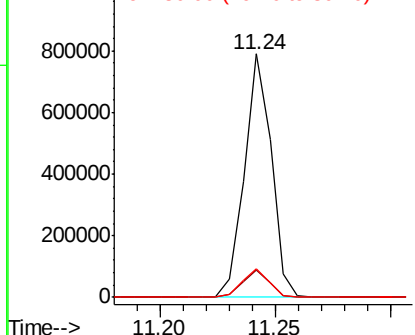
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF108860.D
Acq: 7 Sep 2018 15:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 644324
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 11.8 9.2 13.8

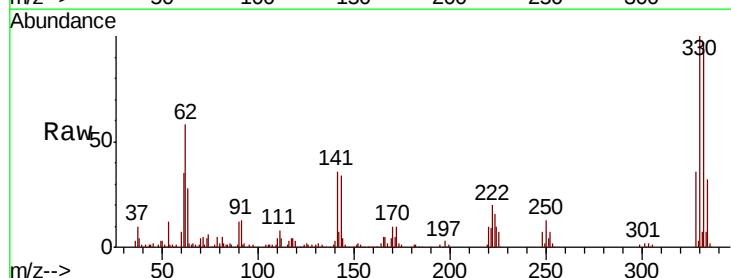


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

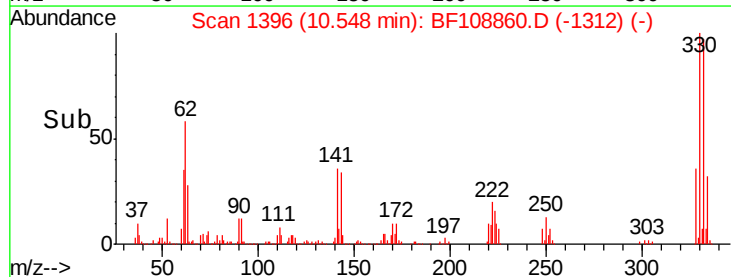
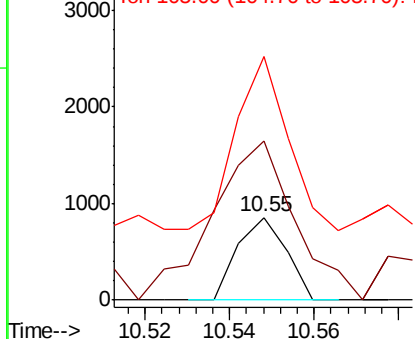


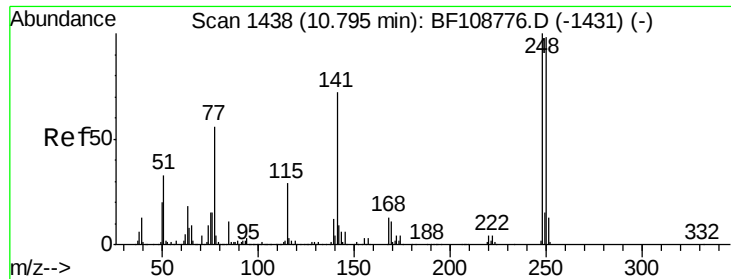
#64
4,6-Dinitro-2-methylphenol
Concen: 7.101 ng
RT: 10.55 min Scan# 1396
Delta R.T. 0.19 min
Lab File: BF108860.D
Acq: 7 Sep 2018 15:05

Tgt Ion:198 Resp: 687
Ion Ratio Lower Upper
198 100
51 192.4 37.7 77.7#
105 293.9 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

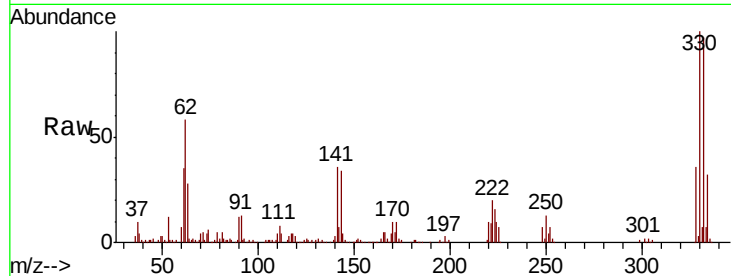




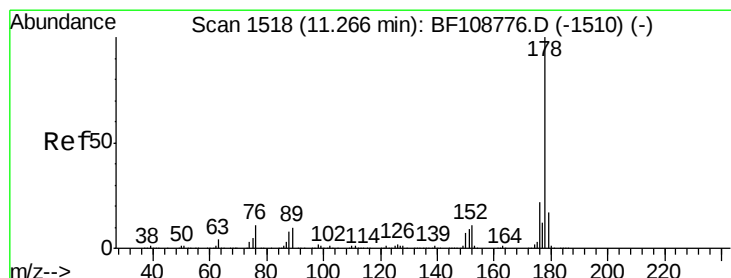
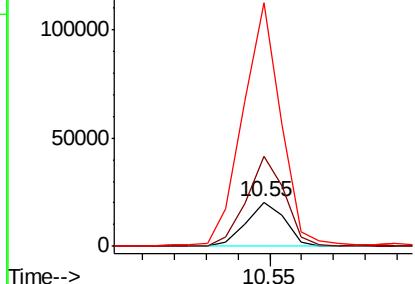
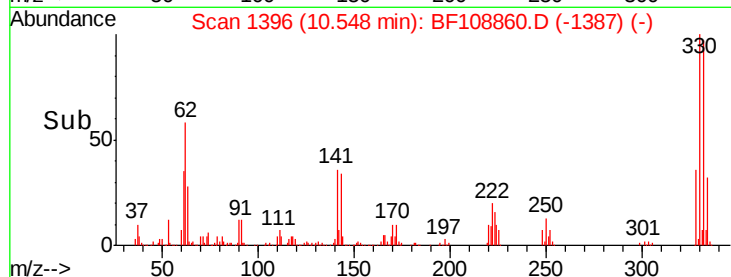
#66
 4-Bromophenyl-phenylether
 Concen: 2.375 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.25 min
 Lab File: BF108860.D
 Acq: 7 Sep 2018 15:05

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 17284
 Ion Ratio Lower Upper
 248 100
 250 202.7 76.9 115.3#
 141 549.4 74.4 111.6#

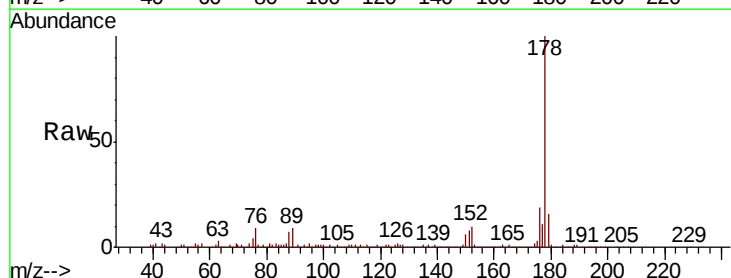


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

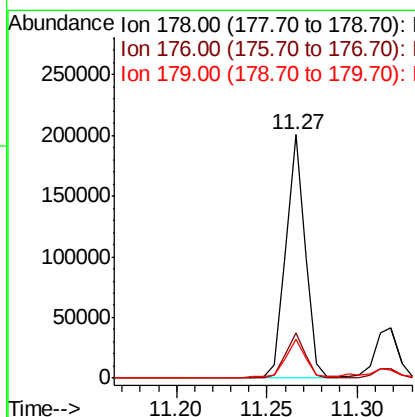
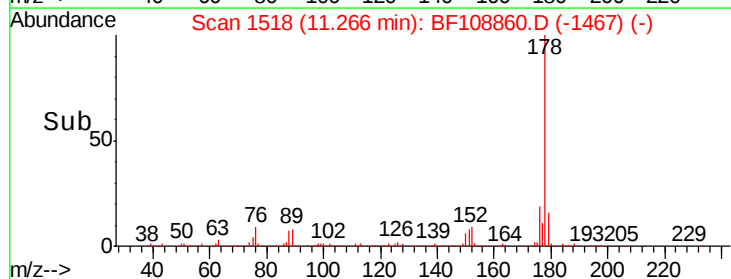


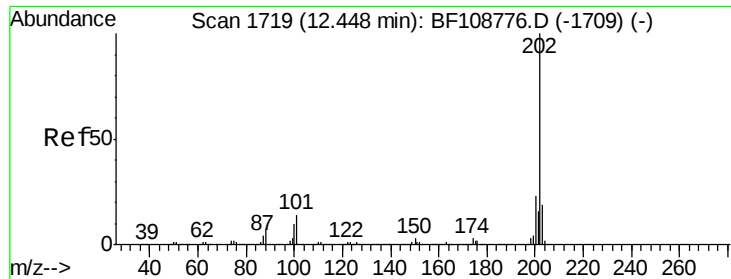
#70
 Phenanthrene
 Concen: 4.876 ng
 RT: 11.27 min Scan# 1518
 Delta R.T. -0.00 min
 Lab File: BF108860.D
 Acq: 7 Sep 2018 15:05

Tgt Ion:178 Resp: 150046
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.8
 179 15.9 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: 7.124 ng

RT: 12.45 min Scan# 1719

Delta R.T. -0.00 min

Lab File: BF108860.D

Acq: 7 Sep 2018 15:05

Instrument :

BNA_G

ClientSampleId :

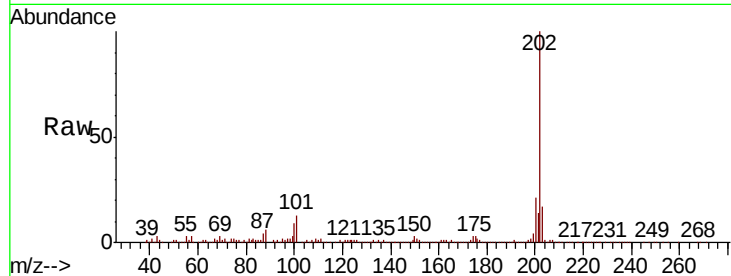
Tot Ion:202 Resp: 217044

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

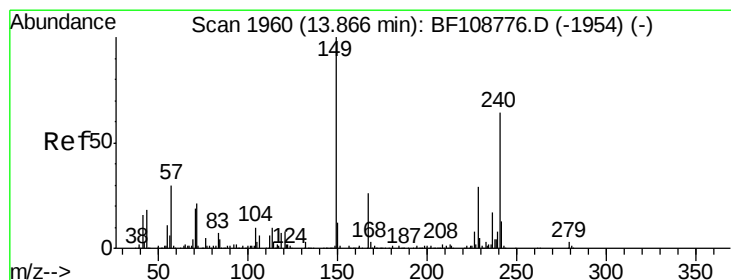
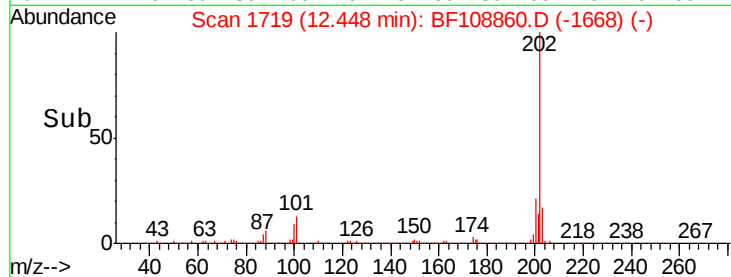
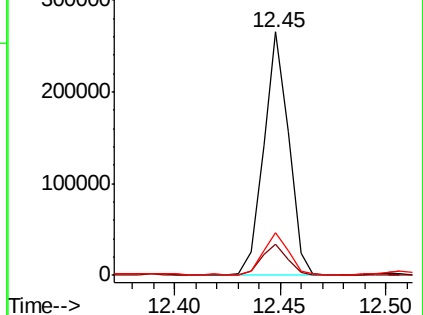
203 17.4 0.0 38.1



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# 1960

Delta R.T. -0.00 min

Lab File: BF108860.D

Acq: 7 Sep 2018 15:05

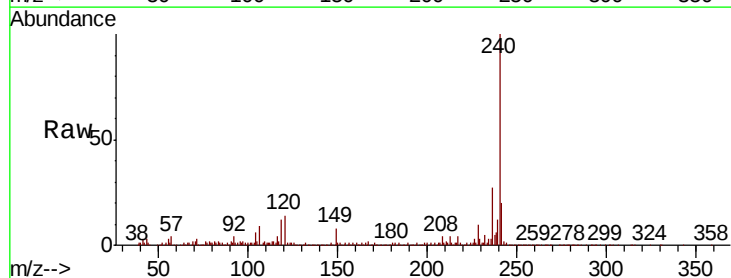
Tgt Ion:240 Resp: 423916

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

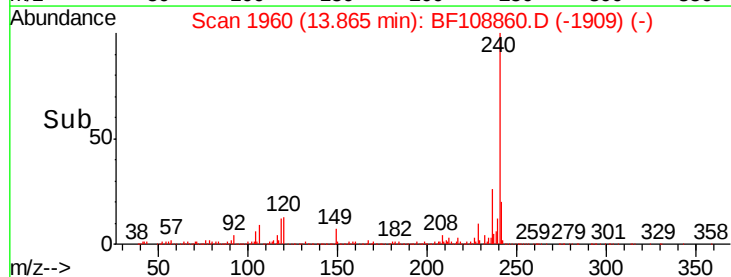
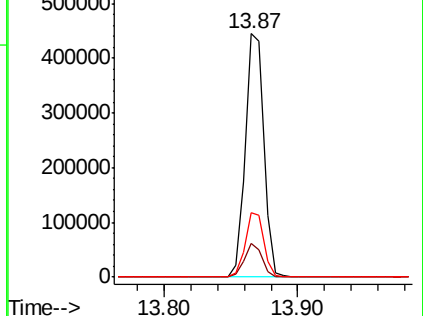
236 26.7 20.7 31.1

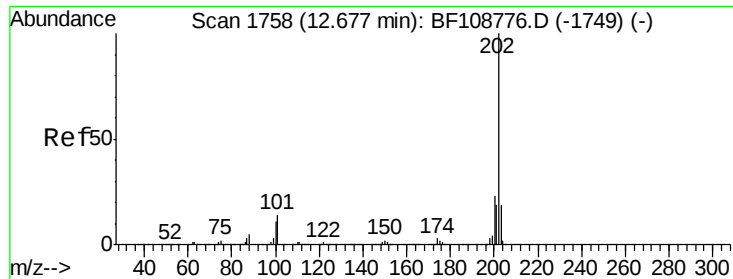


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

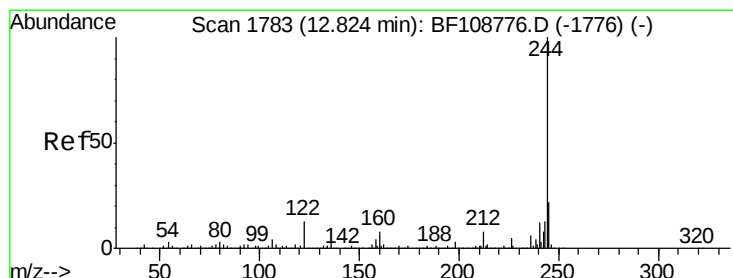
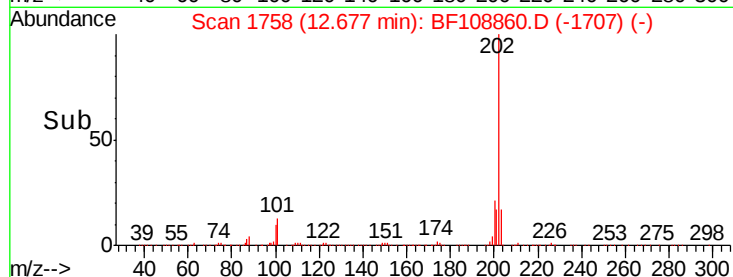
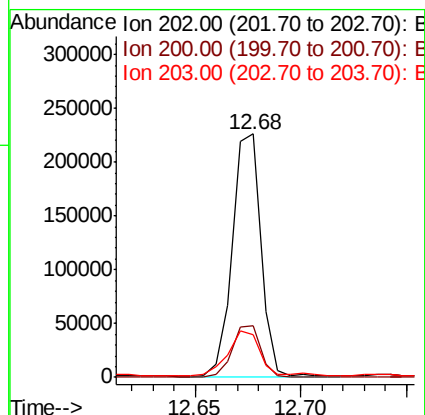
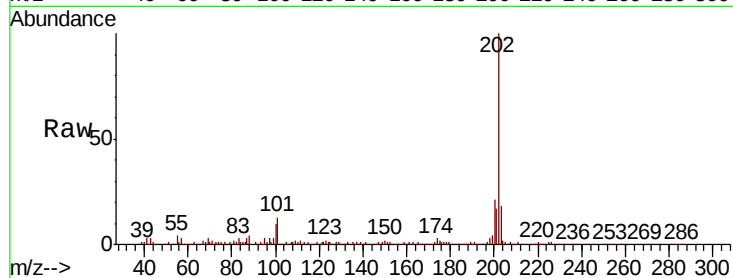




#77
Pvrene
Concen: 6.437 ng
RT: 12.68 min Scan# 1758
Delta R.T. -0.00 min
Lab File: BF108860.D
Acq: 7 Sep 2018 15:05

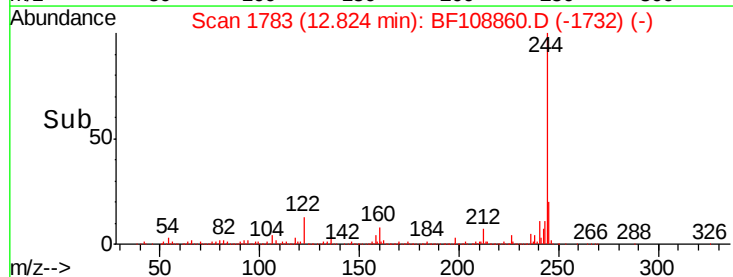
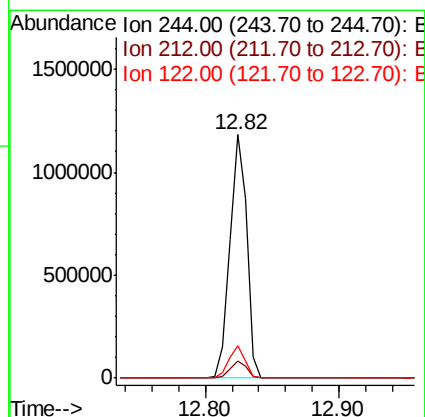
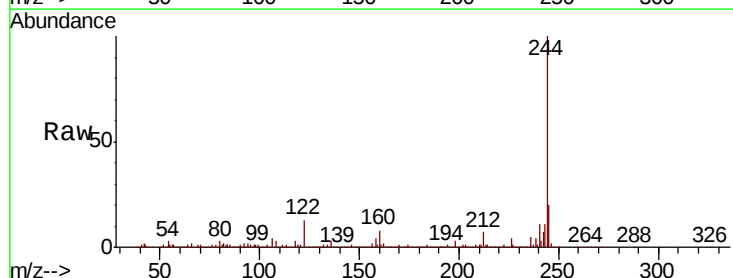
Instrument :
BNA_G
ClientSampleId :

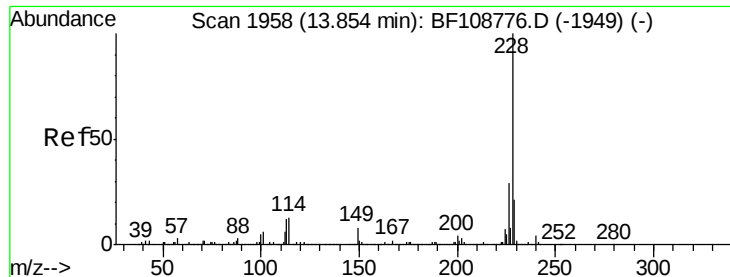
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.8	14.3	21.5



#78
Terphenyl-d14
Concen: 58.462 ng
RT: 12.82 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BF108860.D
Acq: 7 Sep 2018 15:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	13.1	11.0	16.4





#80

Benzo(a)anthracene

Concen: 3.805 ng

RT: 13.86 min Scan# 1959

Delta R.T. 0.01 min

Lab File: BF108860.D

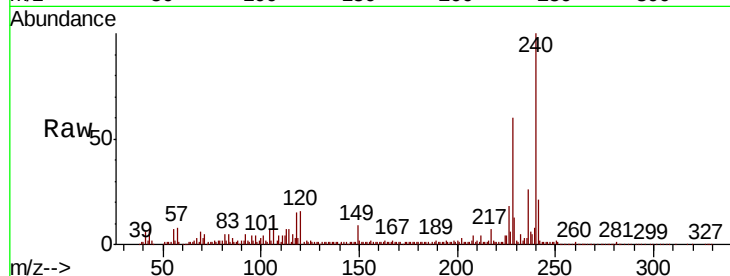
Acq: 7 Sep 2018 15:05

Instrument :

BNA_G

ClientSampleId :

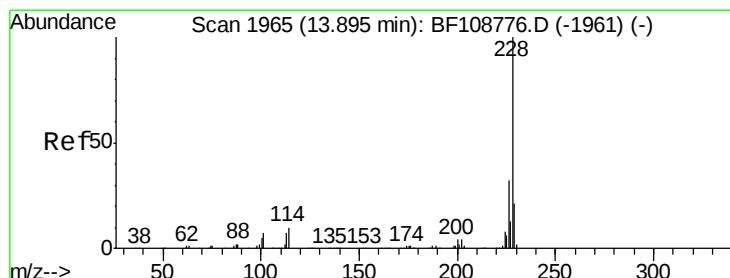
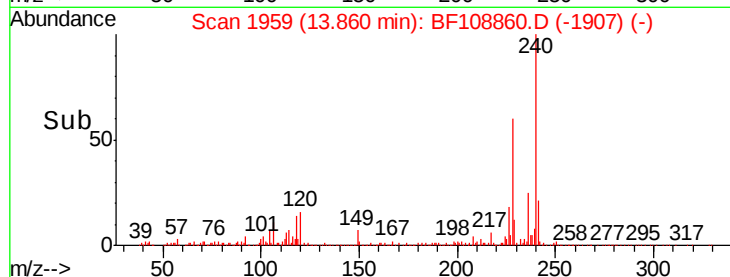
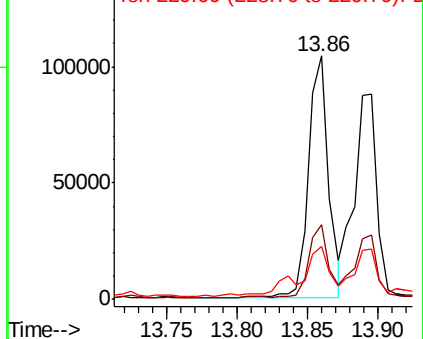
Tot Ion:228	Resp:	103386
Ion Ratio	Lower	Upper
228	100	
226	30.8	22.6 33.8
229	21.8	15.8 23.6



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: 3.930 ng

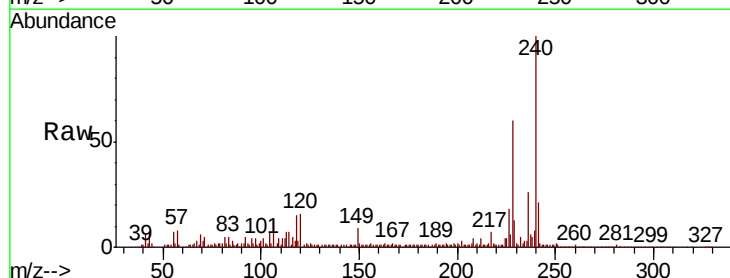
RT: 13.86 min Scan# 1959

Delta R.T. -0.04 min

Lab File: BF108860.D

Acq: 7 Sep 2018 15:05

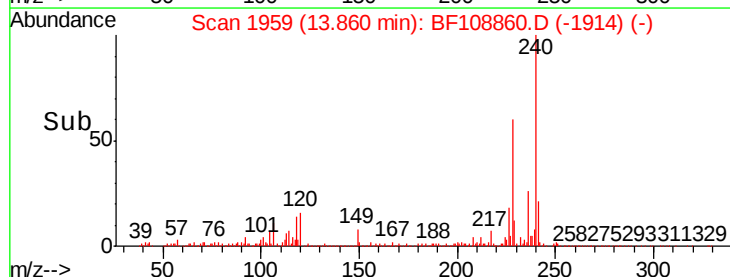
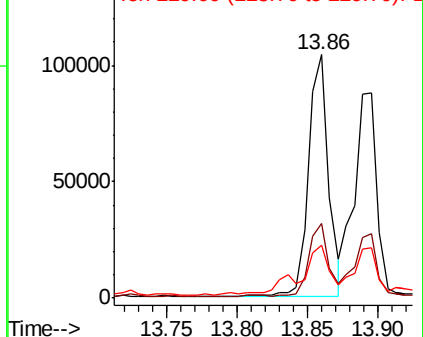
Tgt Ion:228	Resp:	103386
Ion Ratio	Lower	Upper
228	100	
226	30.8	25.0 37.6
229	21.8	16.2 24.4

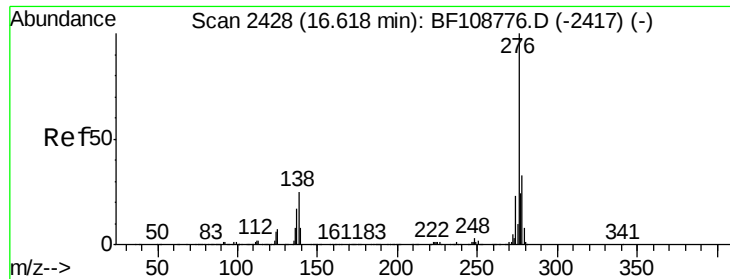


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

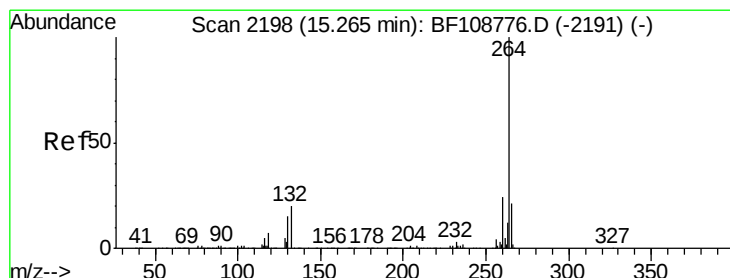
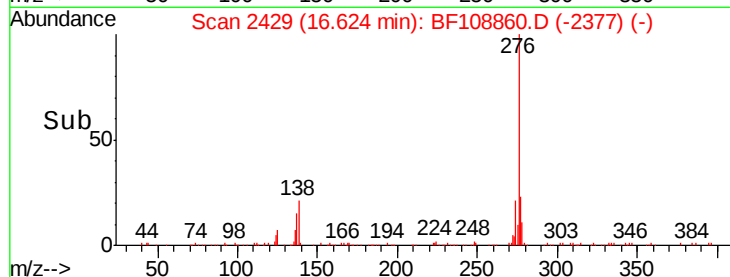
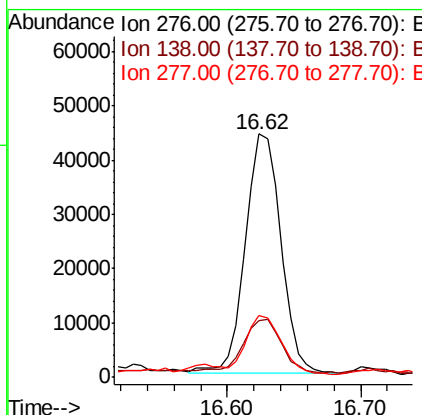
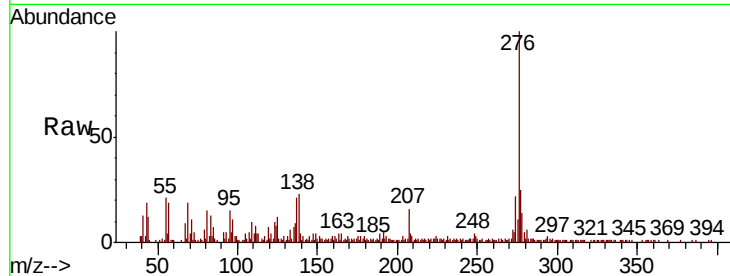




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.482 ng
RT: 16.62 min Scan# 2429
Delta R.T. 0.01 min
Lab File: BF108860.D
Acq: 7 Sep 2018 15:05

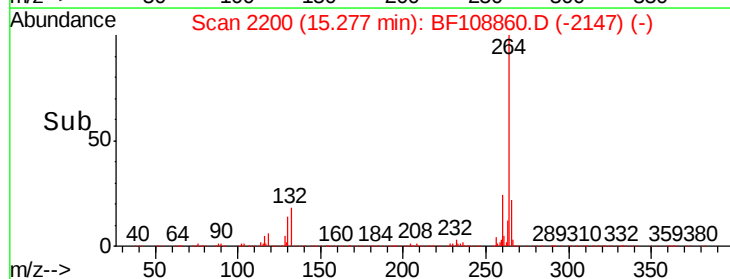
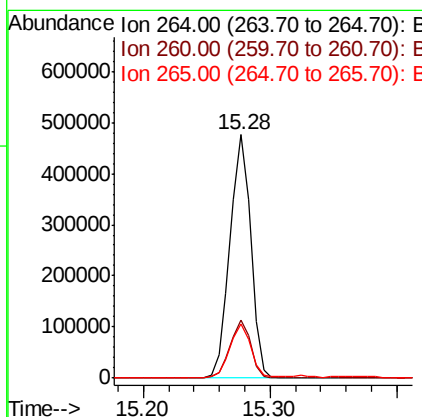
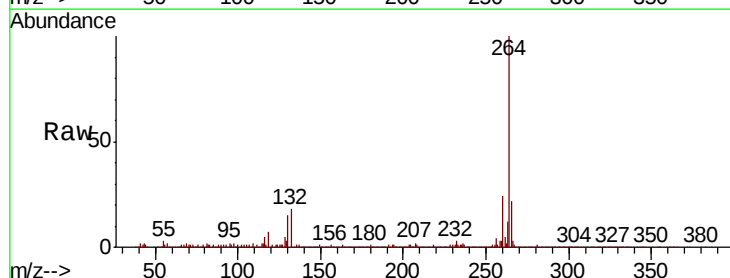
Instrument :
BNA_G
ClientSampleId :

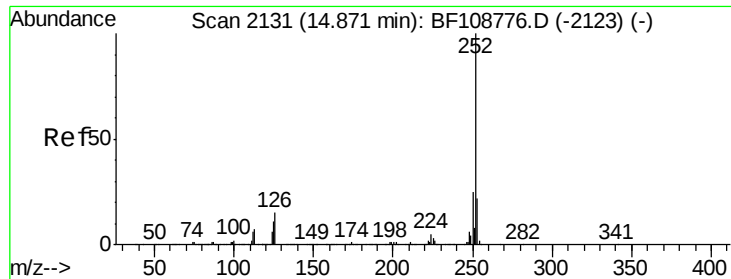
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.2	25.0	37.6
277	23.9	20.1	30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF108860.D
Acq: 7 Sep 2018 15:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 7.072 ng

RT: 14.88 min Scan# 2132

Delta R.T. 0.01 min

Lab File: BF108860.D

Acq: 7 Sep 2018 15:05

Instrument :

BNA_G

ClientSampleId :

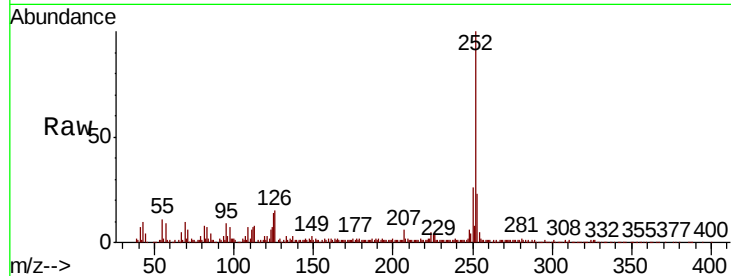
Tot Ion:252 Resp: 207010

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

125 14.0 9.0 13.6#

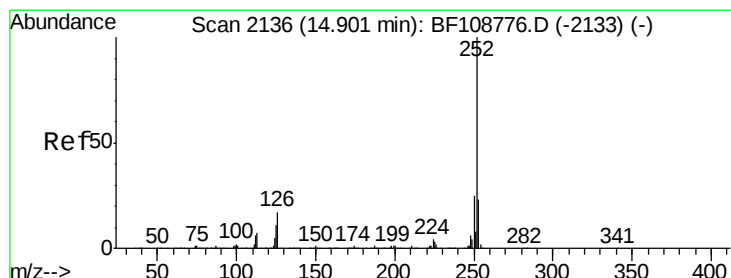
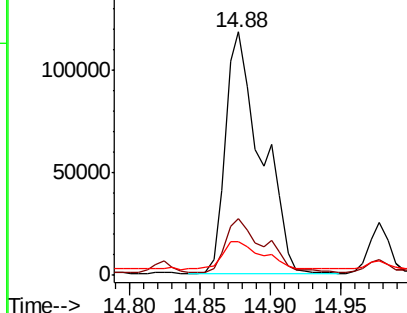
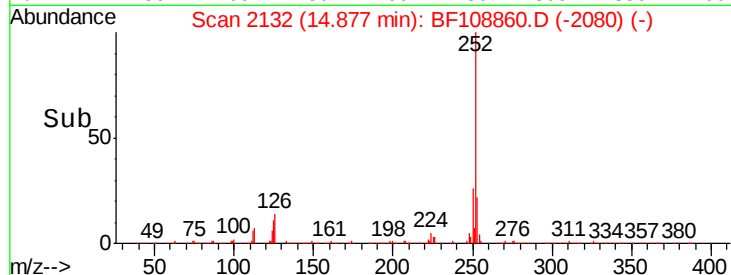


Abundance

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: 7.679 ng

RT: 14.88 min Scan# 2132

Delta R.T. -0.02 min

Lab File: BF108860.D

Acq: 7 Sep 2018 15:05

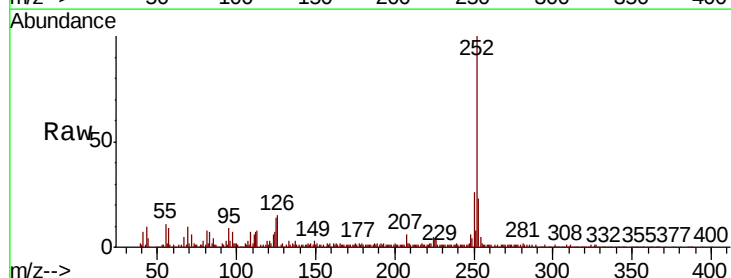
Tgt Ion:252 Resp: 207010

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

125 14.0 10.2 15.2

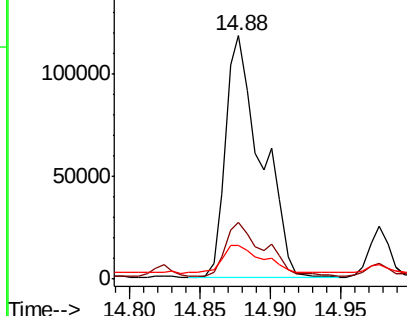
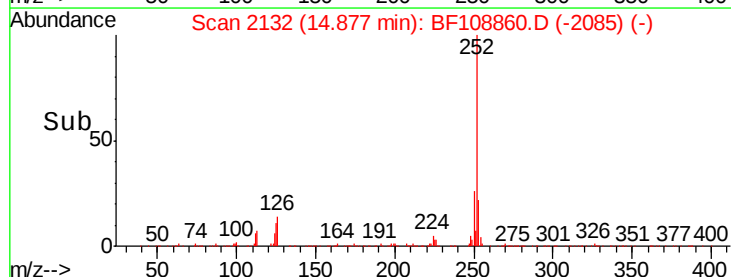


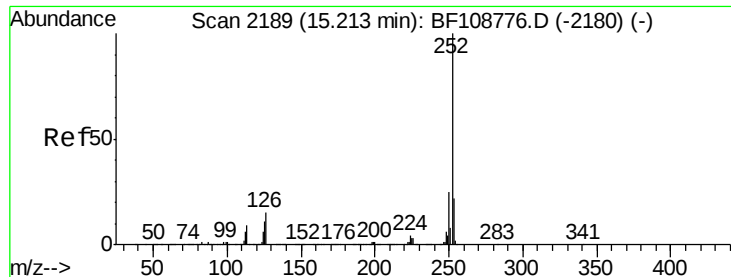
Abundance

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

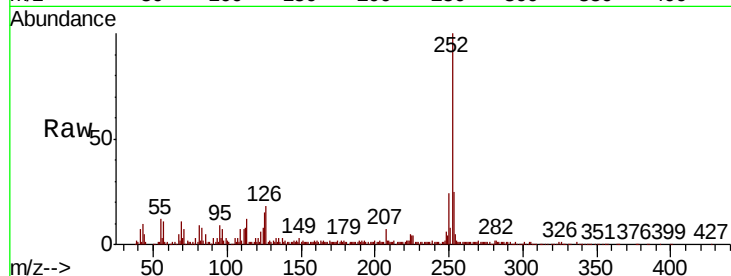




#89
Benzo(a)pyrene
Concen: 4.580 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.00 min
Lab File: BF108860.D
Acq: 7 Sep 2018 15:05

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.1	25.7
125	15.2	9.8	14.6

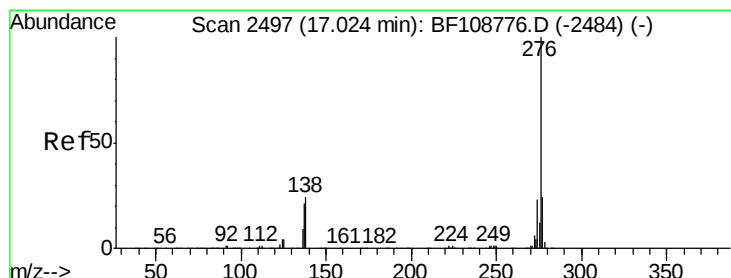
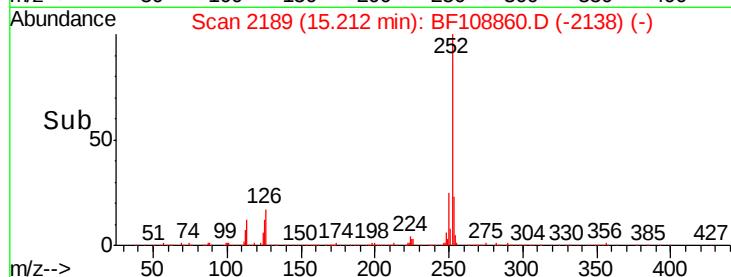
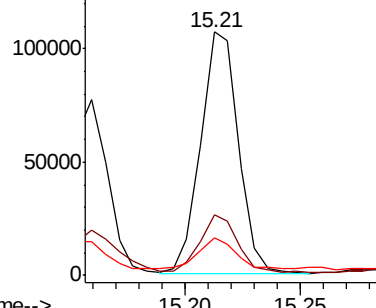


Abundance

Ion 252.00 (251.70 to 252.70): E

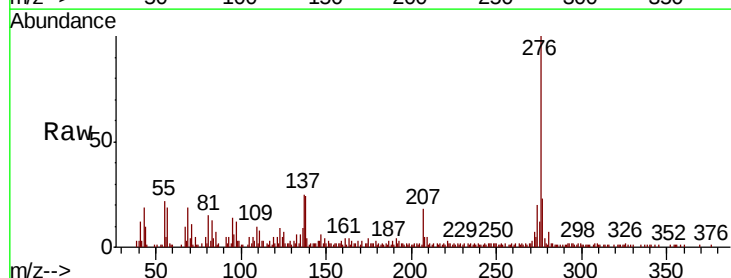
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.363 ng
RT: 17.04 min Scan# 2499
Delta R.T. 0.01 min
Lab File: BF108860.D
Acq: 7 Sep 2018 15:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.7	17.9	26.9
138	23.6	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

