

Data File : BF108961.D
Acq On : 12 Sep 2018 20:20
Operator : JU/SJ
Sample : J4838-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 13 02:15:13 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	164290	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	594202	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	259403	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	405936	20.00	ng	0.00
75) Chrysene-d12	13.87	240	380586	20.00	ng	0.00
86) Perylene-d12	15.28	264	362319	20.00	ng	0.01

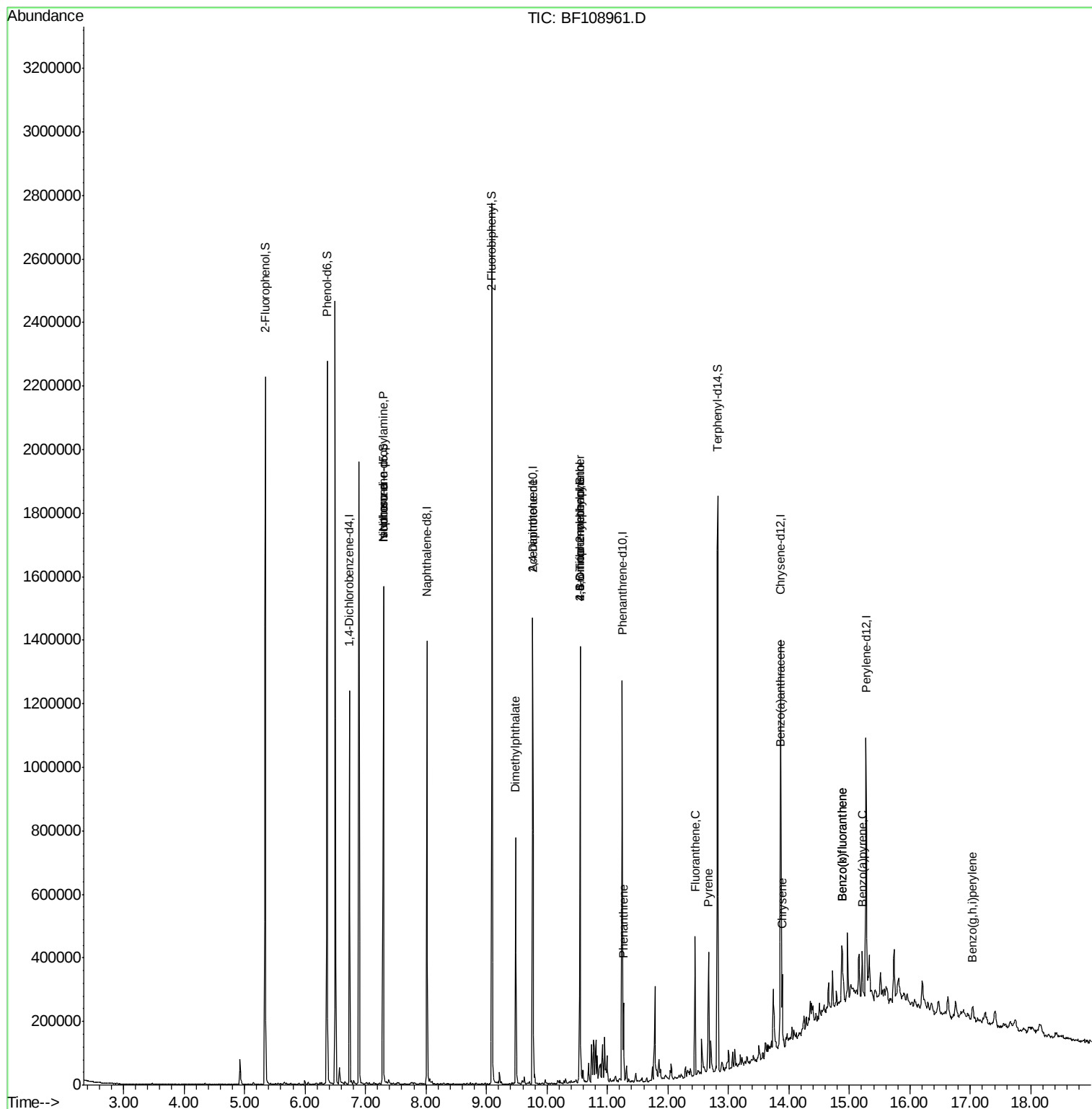
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	640753	64.61	ng	0.00
7) Phenol-d6	6.37	99	819169	64.20	ng	0.00
23) Nitrobenzene-d5	7.30	82	516963	54.45	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	161042	65.03	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	835486	54.95	ng	0.00
78) Terphenyl-d14	12.82	244	600537	36.80	ng	0.00

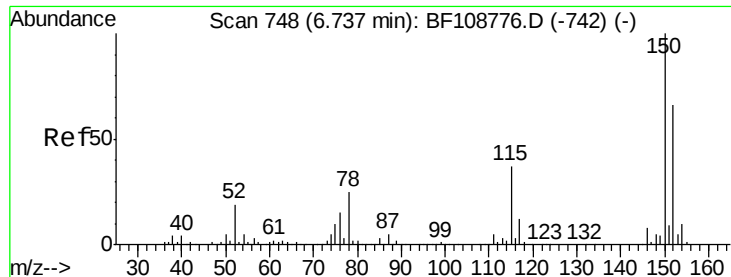
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.30	70	67793	7.644	ng	# 76
25) Isophorone	7.30	82	512397	27.055	ng	# 64
49) Dimethylphthalate	9.48	163	287262	15.833	ng	100
56) 2,4-Dinitrotoluene	9.77	165	32224	7.288	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	161	6.955	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	9849	2.148	ng	# 1
70) Phenanthrene	11.27	178	87568	4.517	ng	98
74) Fluoranthene	12.45	202	157948	8.229	ng	95
77) Pyrene	12.67	202	146241	4.994	ng	98
80) Benzo(a)anthracene	13.85	228	77171	3.163	ng	96
82) Chrysene	13.89	228	83511	3.536	ng	97
87) Benzo(b)fluoranthene	14.88	252	138297	7.020	ng	# 93
88) Benzo(k)fluoranthene	14.88	252	138297	7.623	ng	96
89) Benzo(a)pyrene	15.21	252	65440	3.681	ng	96
91) Benzo(g,h,i)perylene	17.04	276	39067	2.491	ng	# 90

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

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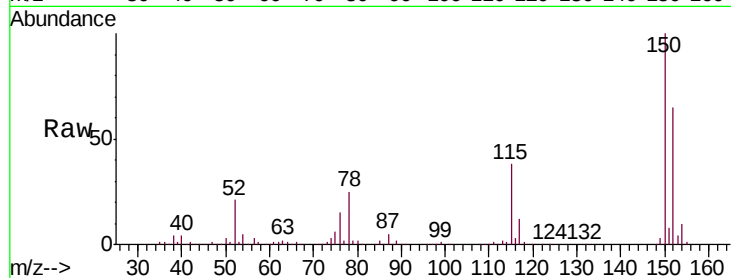




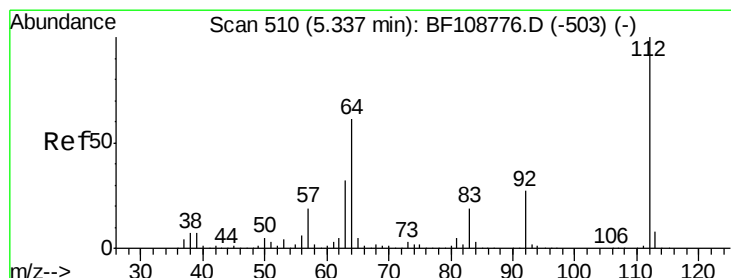
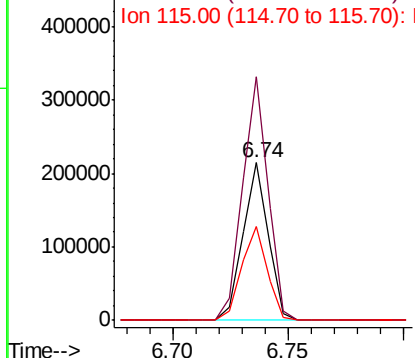
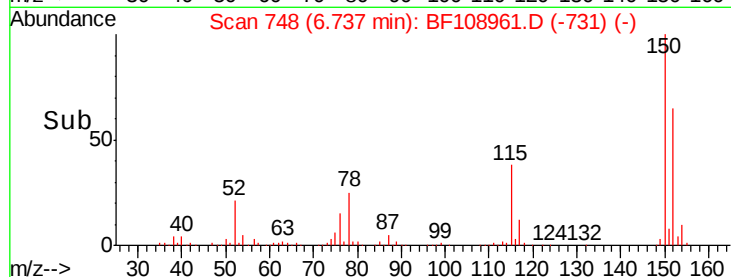
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.6	186.8
115	59.2	50.1	75.1



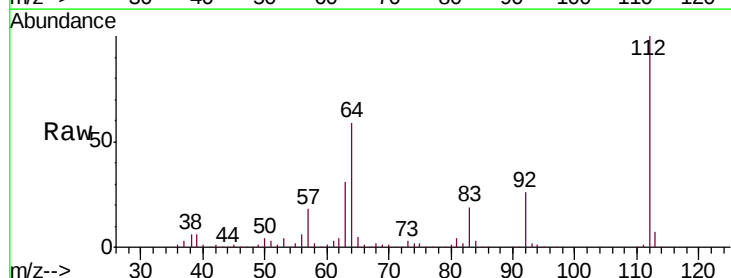
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



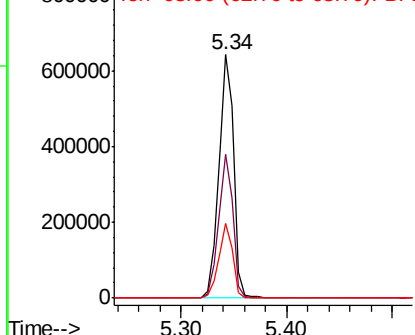
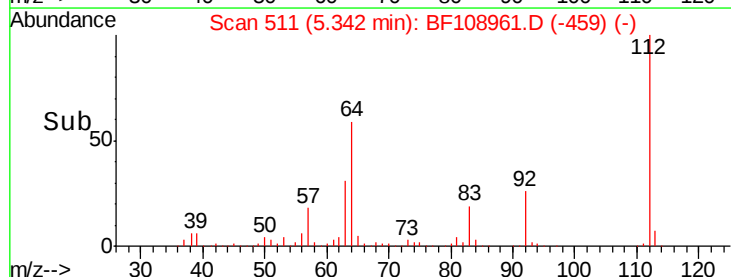
#5

2-Fluorophenol
Concen: 64.612 ng
RT: 5.34 min Scan# 511
Delta R.T. 0.01 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	47.9	71.9
63	30.9	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: 64.200 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF108961.D

Acq: 12 Sep 2018 20:20

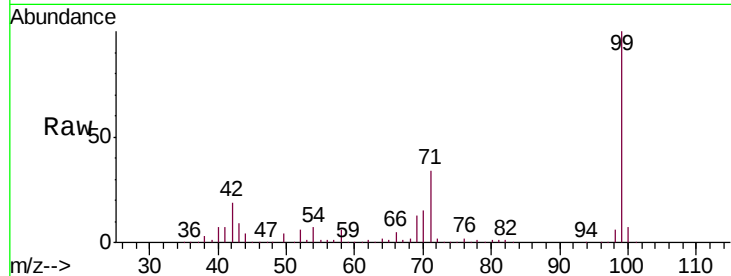
Tgt Ion: 99 Resp: 819169

Ion Ratio Lower Upper

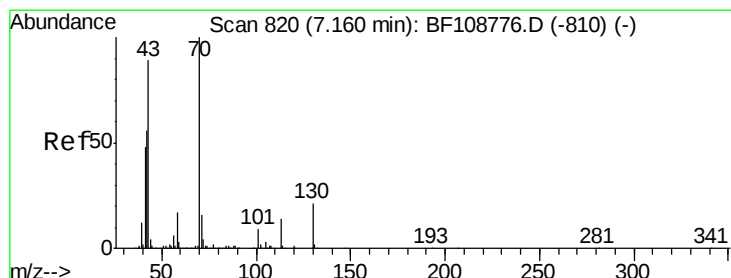
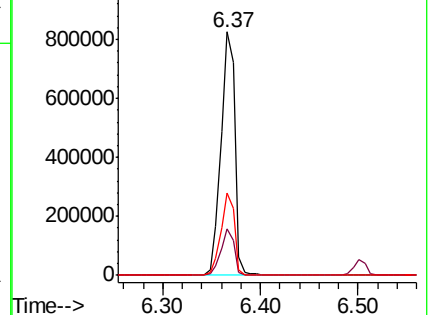
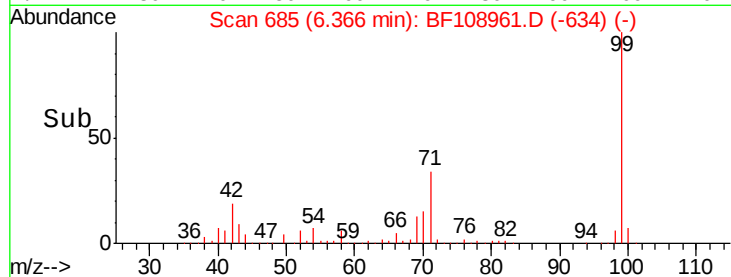
99 100

42 19.0 14.5 21.7

71 33.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 7.644 ng

RT: 7.30 min Scan# 843

Delta R.T. 0.14 min

Lab File: BF108961.D

Acq: 12 Sep 2018 20:20

Tgt Ion: 70 Resp: 67793

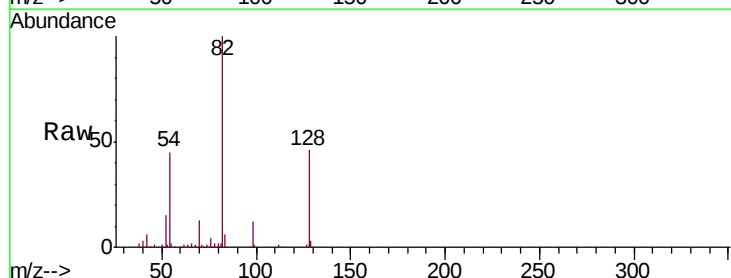
Ion Ratio Lower Upper

70 100

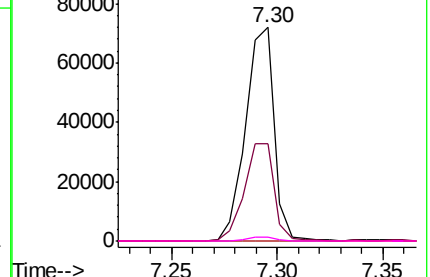
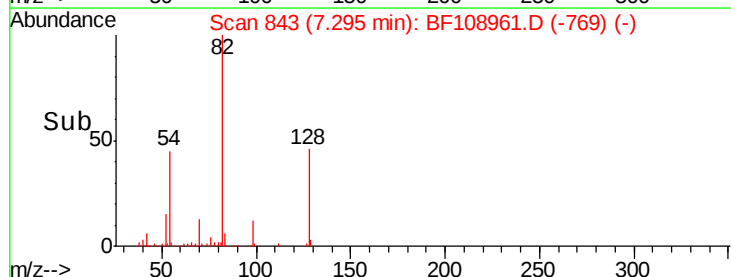
42 45.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#



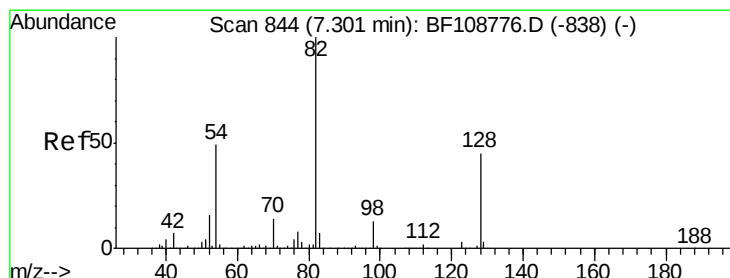
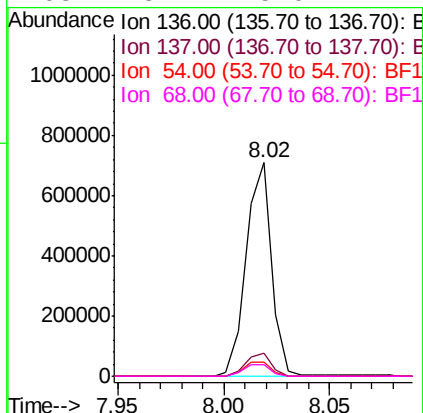
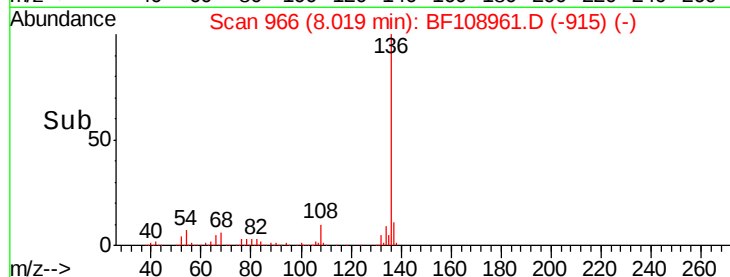
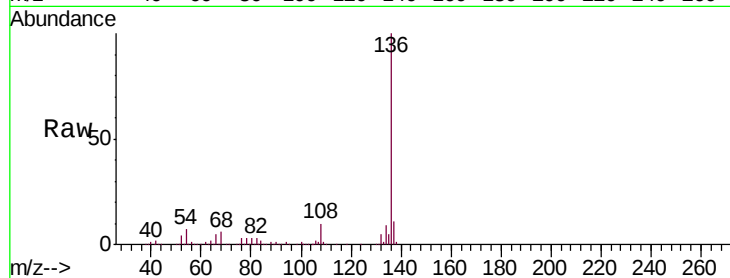
Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





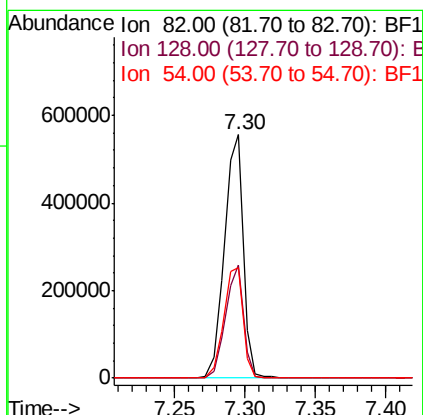
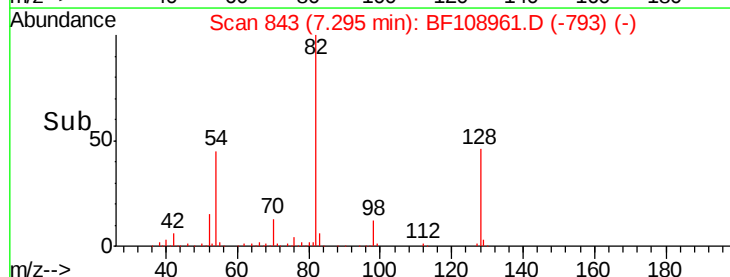
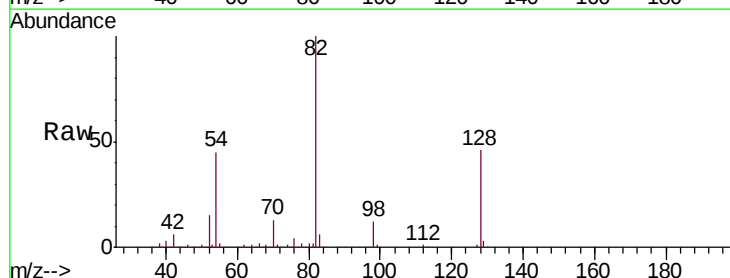
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

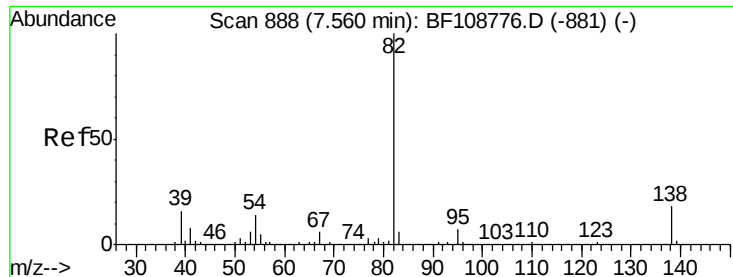
Tgt Ion:	136	Resp:	594202
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	6.7	6.6	9.8
68	5.7	5.0	7.4



#23
Nitrobenzene-d5
Concen: 54.446 ng
RT: 7.30 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

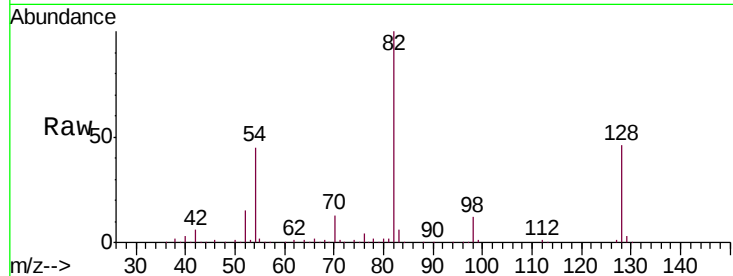
Tgt Ion:	82	Resp:	516963
Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.1	54.1
54	45.5	41.4	62.2



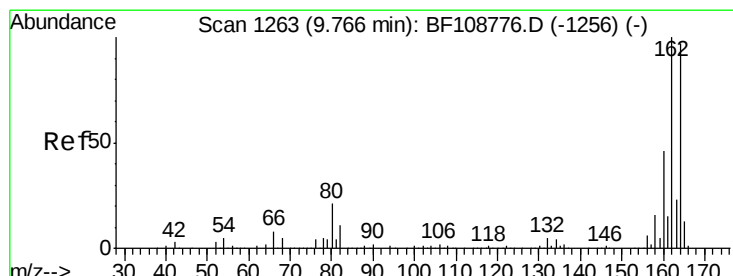
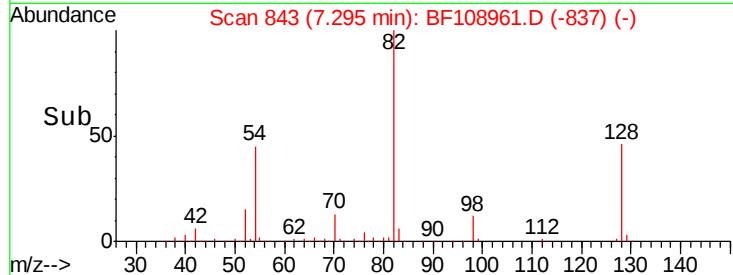
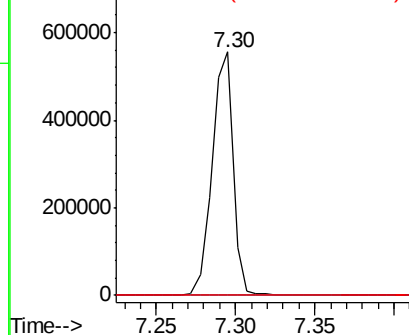


#25
Isophorone
Concen: 27.055 ng
RT: 7.30 min Scan# 843
Delta R.T. -0.26 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

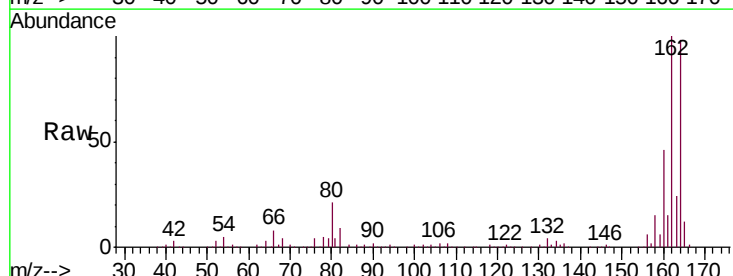


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

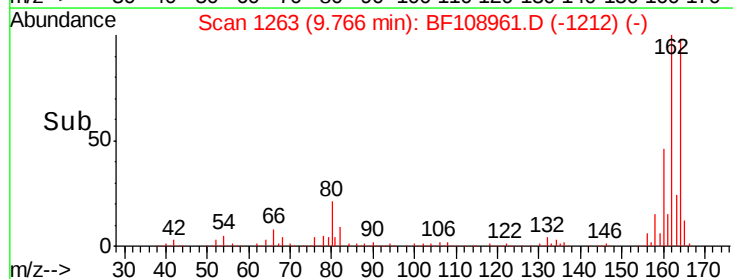
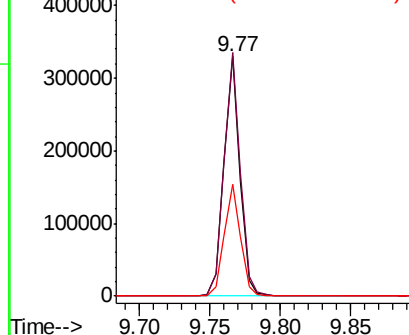


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	86.1	129.1
160	46.5	38.3	57.5



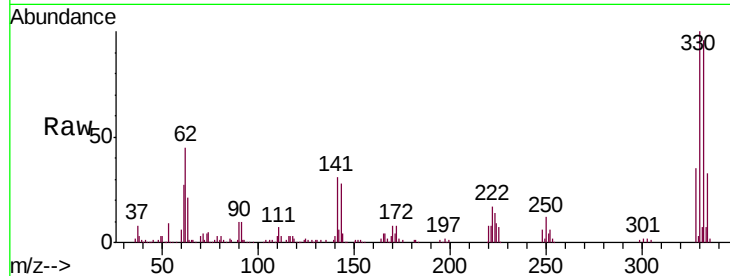
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



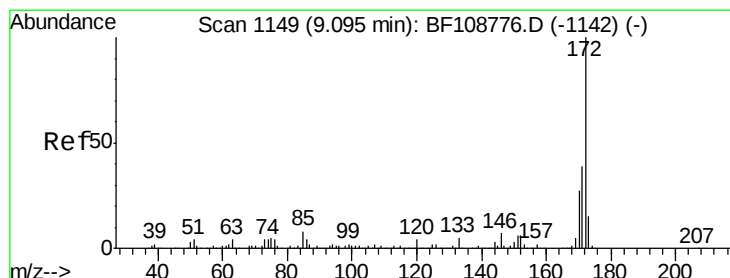
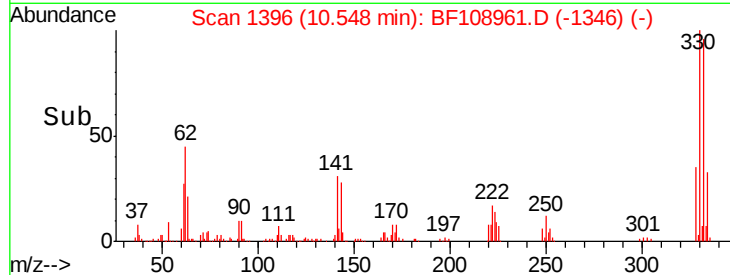
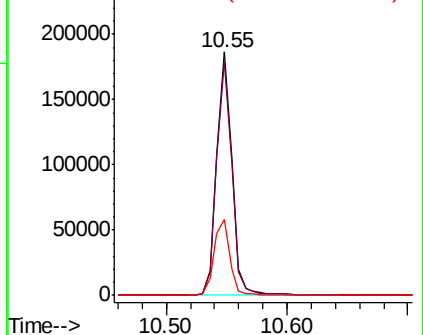


#41
 2,4,6-Tribromophenol
 Concen: 65.031 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108961.D
 Acq: 12 Sep 2018 20:20

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	32.4	29.9	44.9

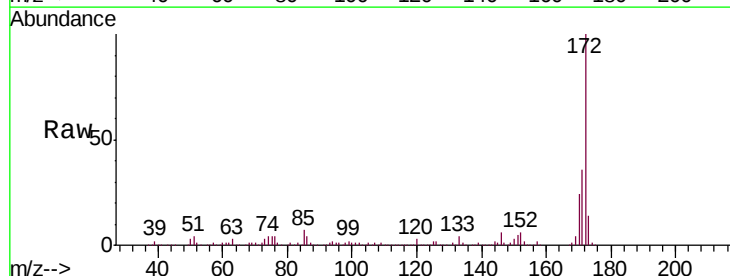


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

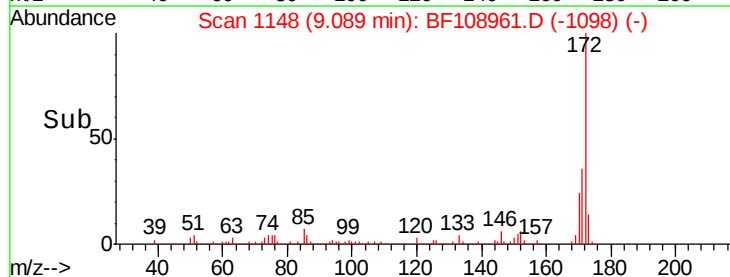
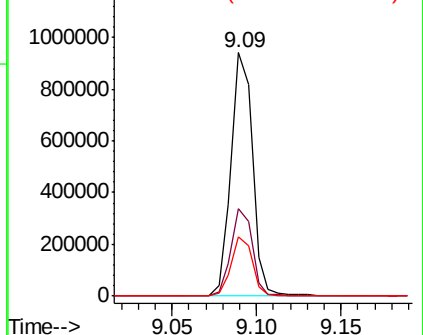


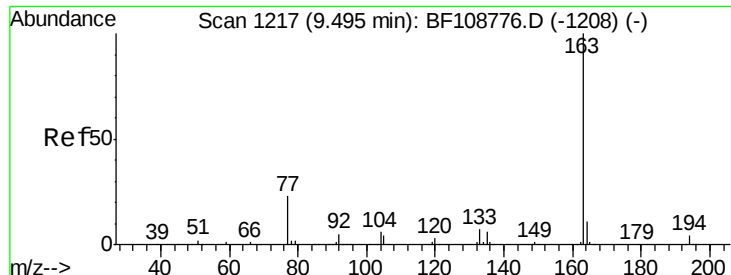
#44
 2-Fluorobiphenyl
 Concen: 54.946 ng
 RT: 9.09 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BF108961.D
 Acq: 12 Sep 2018 20:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	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: 15.833 ng

RT: 9.48 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF108961.D

Acq: 12 Sep 2018 20:20

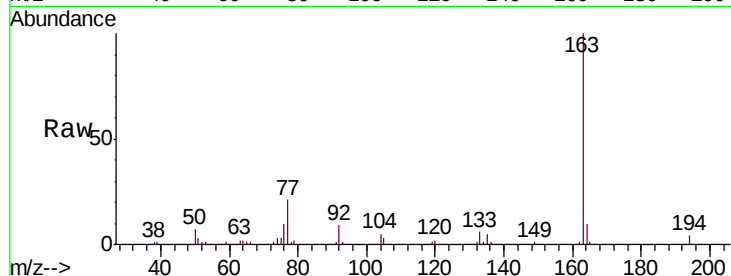
Tgt Ion:163 Resp: 287262

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

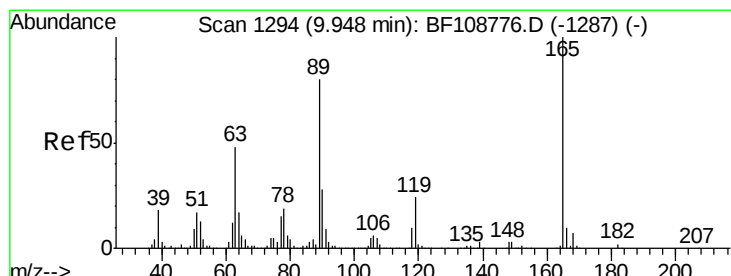
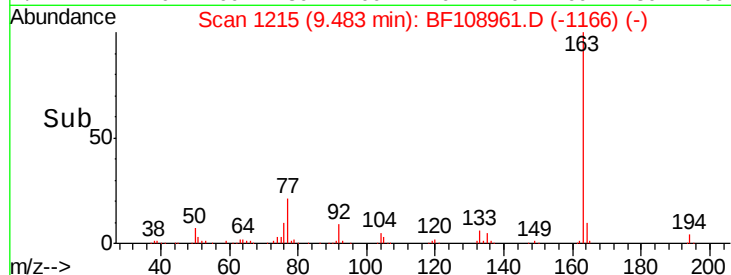
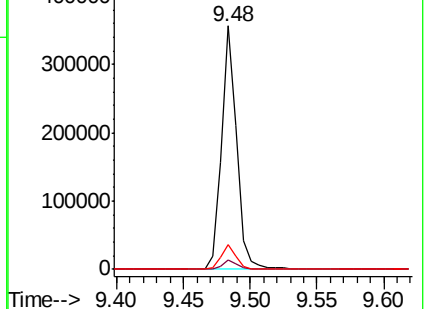
164 10.3 8.2 12.2



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: 7.288 ng

RT: 9.77 min Scan# 1263

Delta R.T. -0.18 min

Lab File: BF108961.D

Acq: 12 Sep 2018 20:20

Tgt Ion:165 Resp: 32224

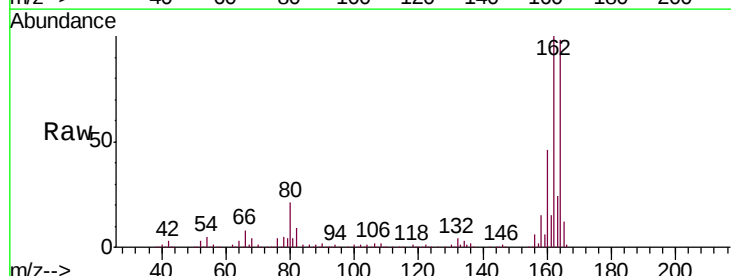
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

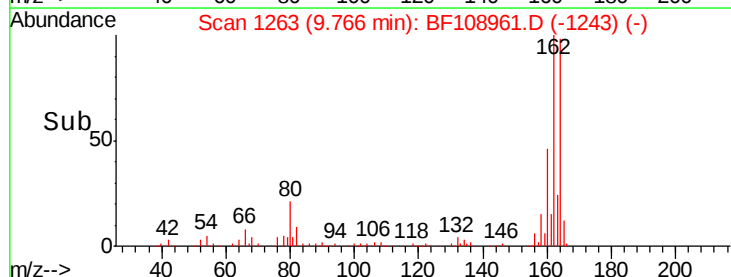
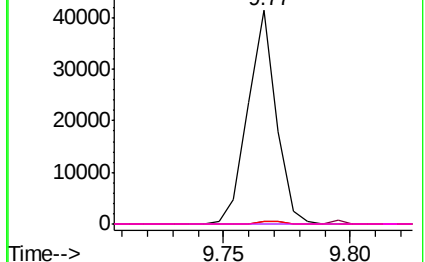


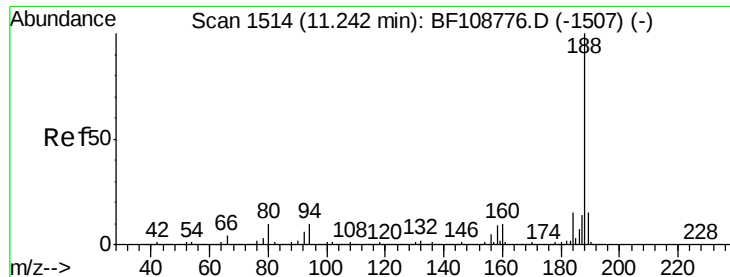
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

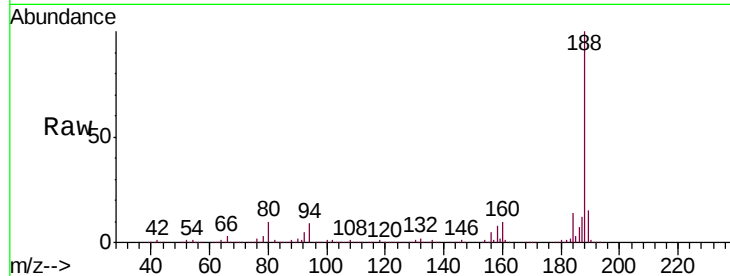
Ion 182.00 (181.70 to 182.70): E



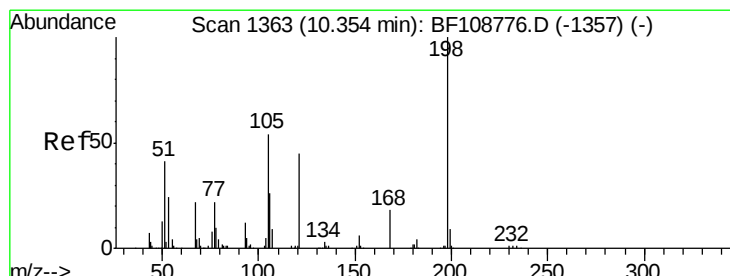
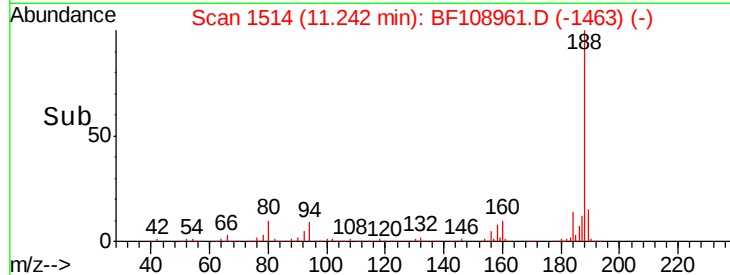
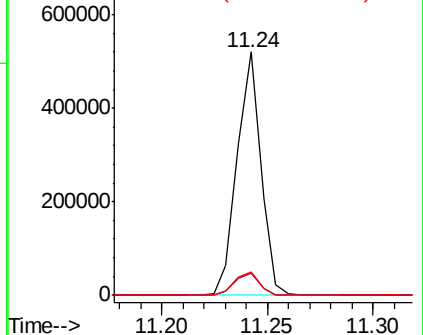


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

Tgt Ion:	188	Resp:	405936
Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	9.6	9.2	13.8

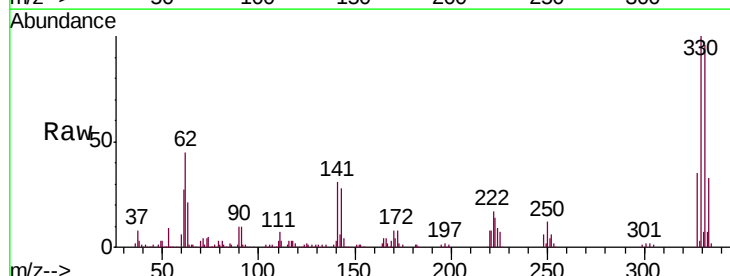


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

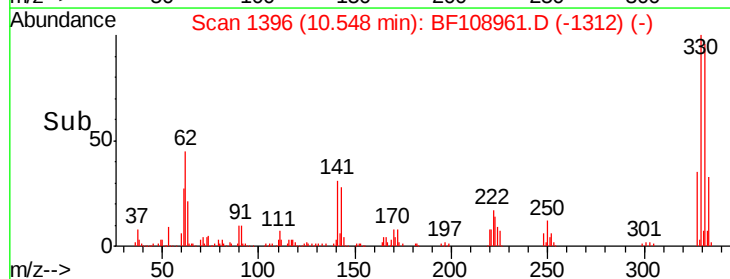
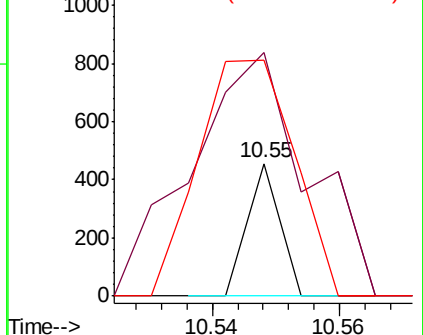


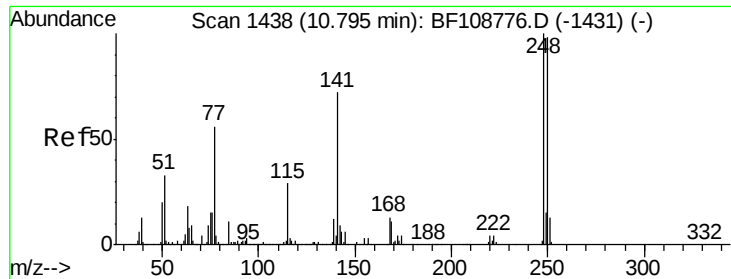
#64
4,6-Dinitro-2-methylphenol
Concen: 6.955 ng
RT: 10.55 min Scan# 1396
Delta R.T. 0.19 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

Tgt Ion:	198	Resp:	161
Ion	Ratio	Lower	Upper
198	100		
51	183.6	37.7	77.7#
105	178.3	36.3	76.3#



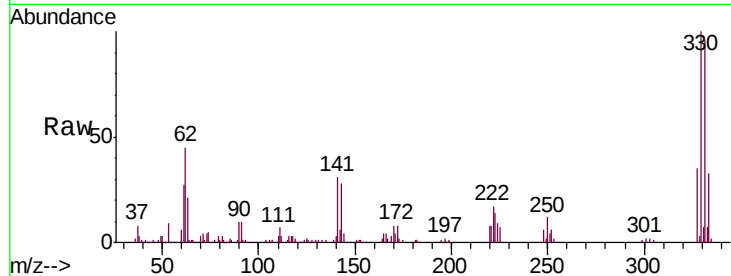
Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E





#66
 4-Bromophenyl-phenylether
 Concen: 2.148 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.25 min
 Lab File: BF108961.D
 Acq: 12 Sep 2018 20:20

Tgt Ion	Ratio	Lower	Upper
248	100		
250	195.9	76.9	115.3#
141	503.3	74.4	111.6#

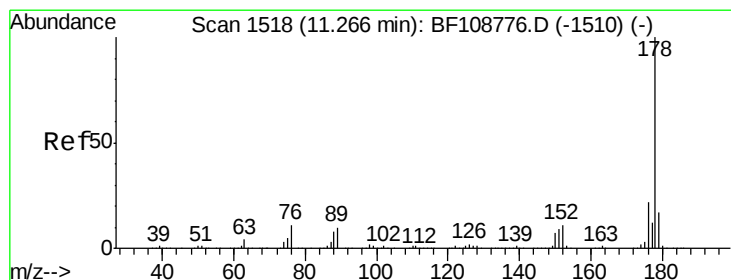
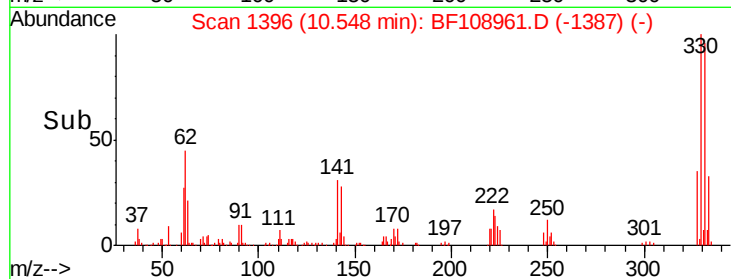
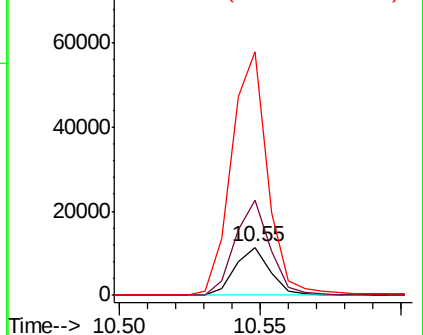


Abundance

Ion 248.00 (247.70 to 248.70): E

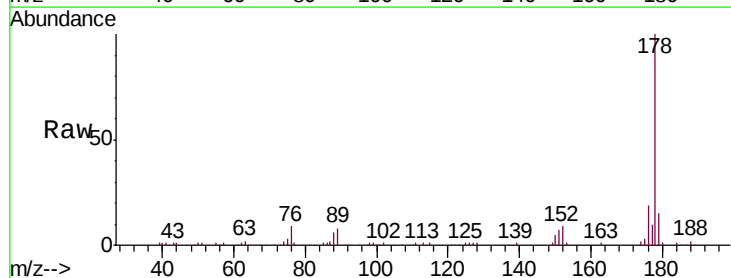
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70
 Phenanthrene
 Concen: 4.517 ng
 RT: 11.27 min Scan# 1518
 Delta R.T. -0.00 min
 Lab File: BF108961.D
 Acq: 12 Sep 2018 20:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.2	13.0	19.6

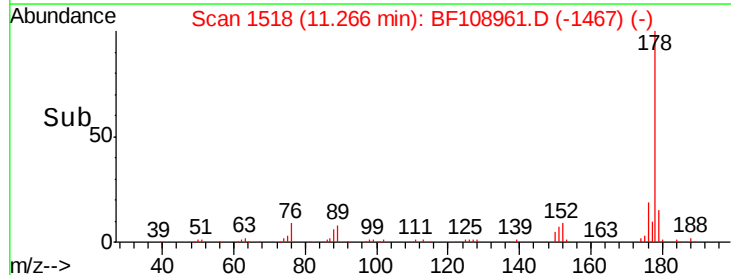
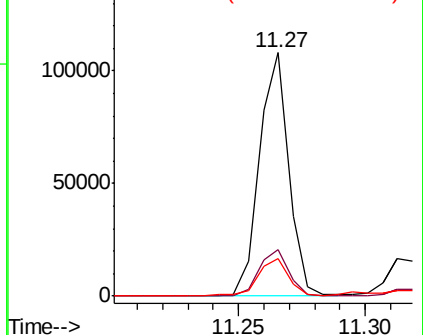


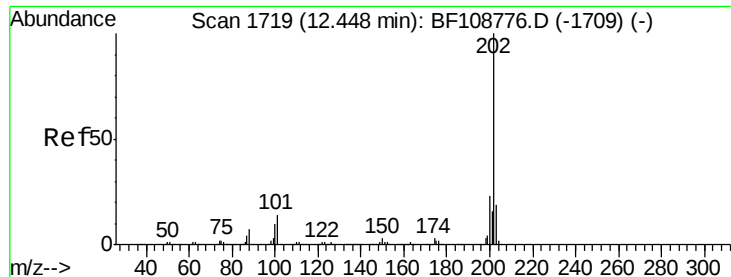
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

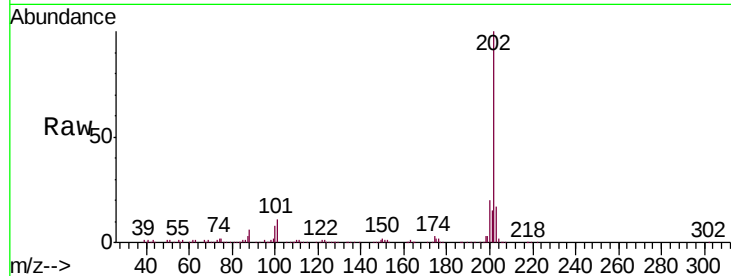
Ion 179.00 (178.70 to 179.70): E



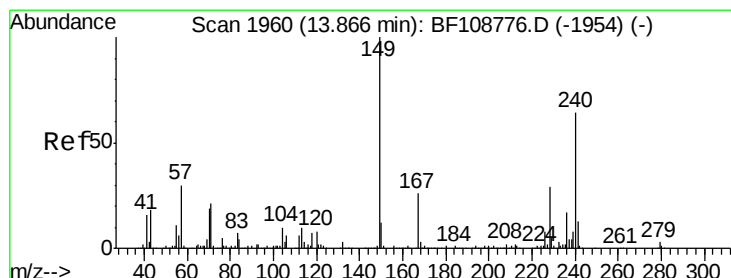
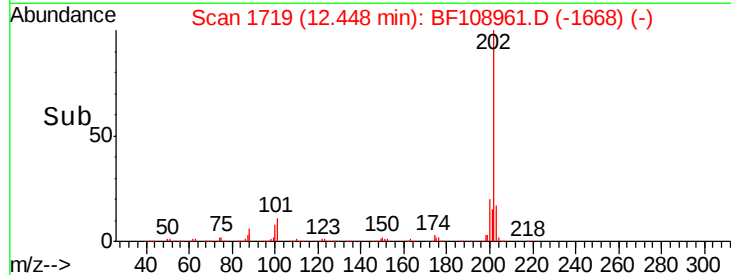
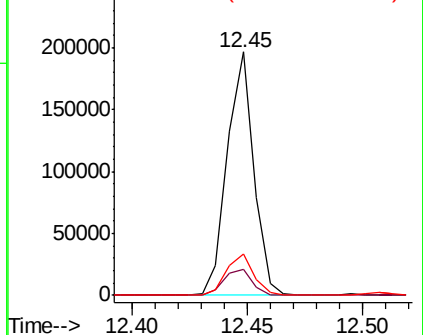


#74
Fluoranthene
Concen: 8.229 ng
RT: 12.45 min Scan# 1719
Delta R.T. -0.00 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

Tgt Ion:	202	Resp:	157948
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	34.1
203	16.8	0.0	38.1

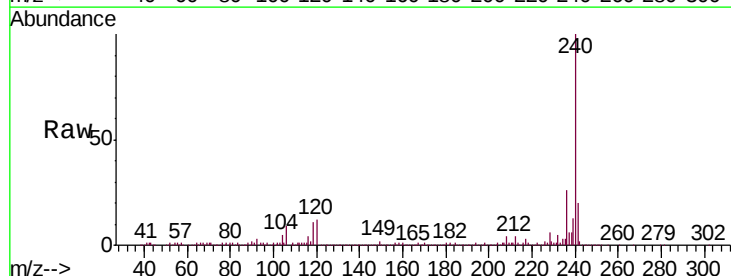


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

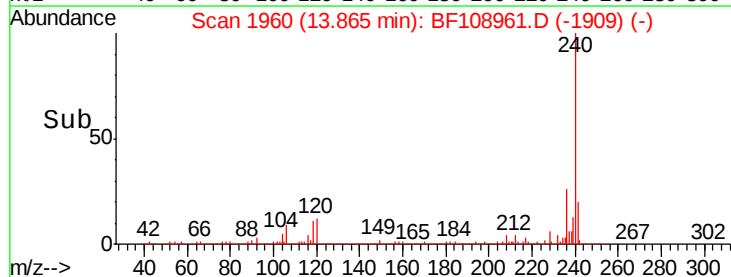
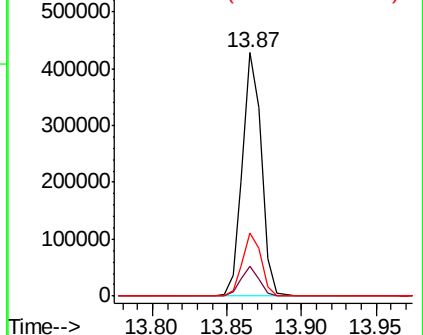


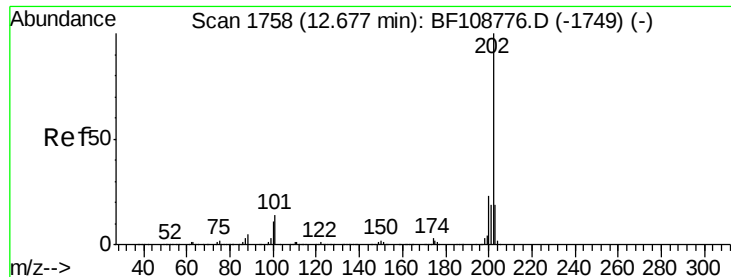
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

Tgt Ion:	240	Resp:	380586
Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.5	14.3
236	25.9	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.994 ng

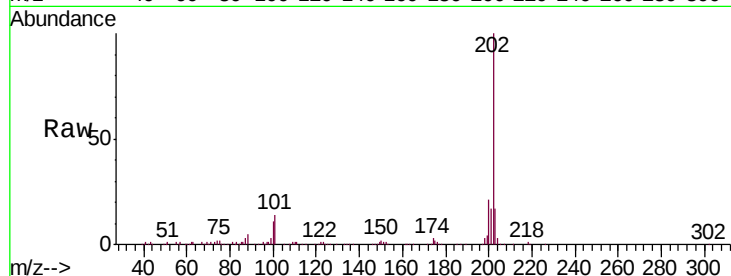
RT: 12.67 min Scan# 1757

Delta R.T. -0.01 min

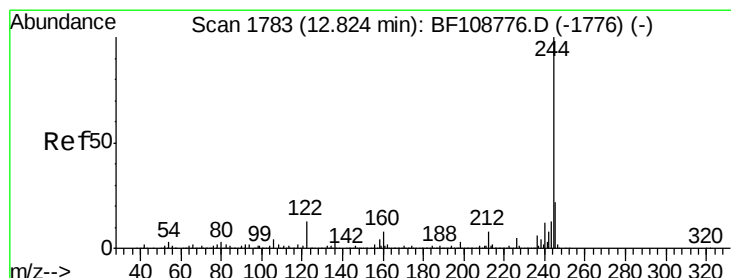
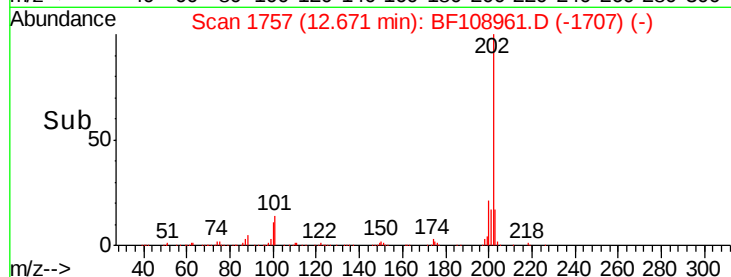
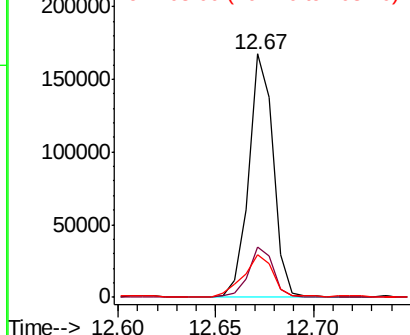
Lab File: BF108961.D

Acq: 12 Sep 2018 20:20

Tgt Ion:	202	Resp:	146241
Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.2
203	17.3	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: 36.796 ng

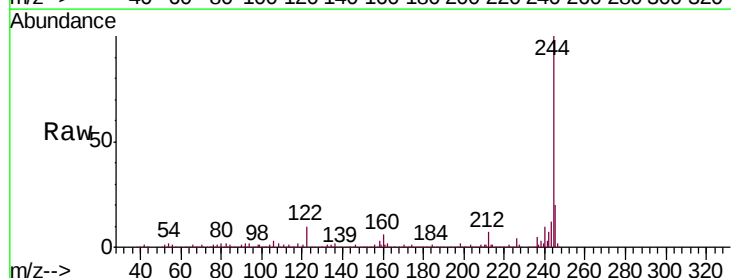
RT: 12.82 min Scan# 1783

Delta R.T. 0.00 min

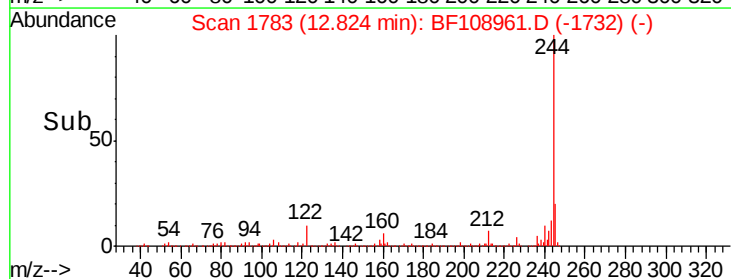
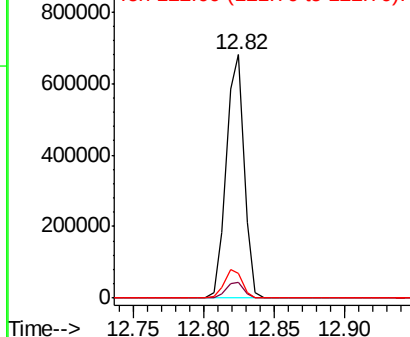
Lab File: BF108961.D

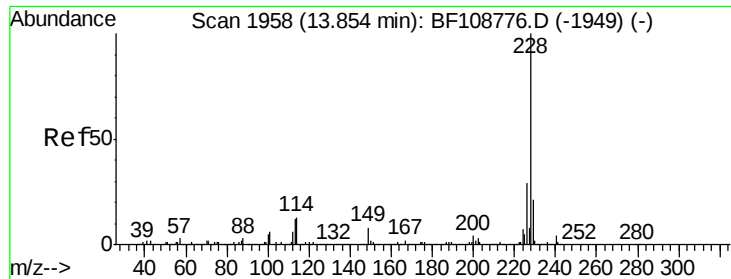
Acq: 12 Sep 2018 20:20

Tgt Ion:	244	Resp:	600537
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.4	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: 3.163 ng

RT: 13.85 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BF108961.D

Acq: 12 Sep 2018 20:20

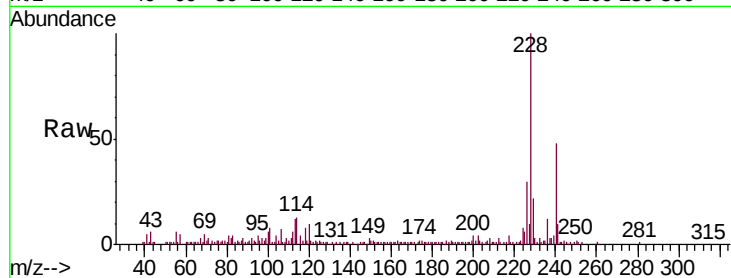
Tgt Ion:228 Resp: 77171

Ion Ratio Lower Upper

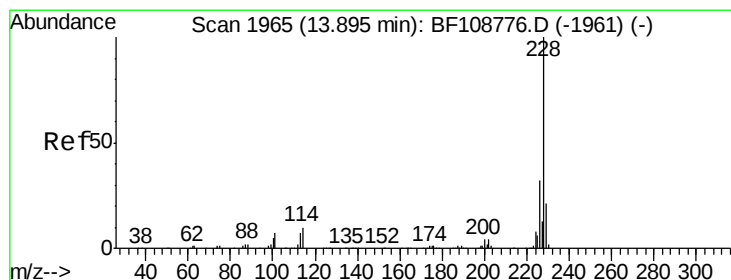
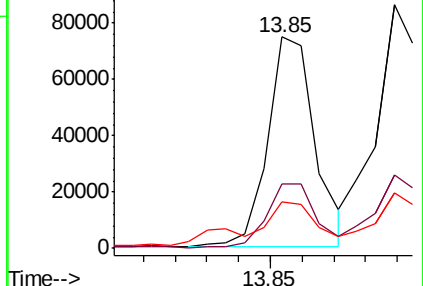
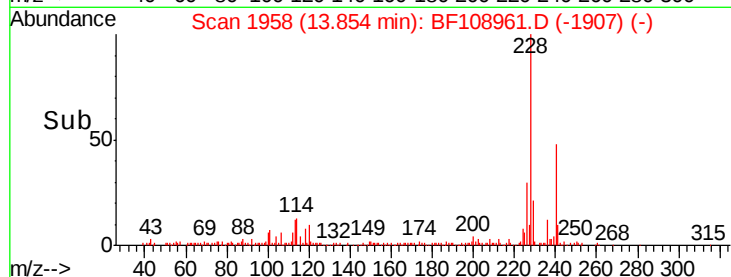
228 100

226 30.2 22.6 33.8

229 22.1 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: 3.536 ng

RT: 13.89 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BF108961.D

Acq: 12 Sep 2018 20:20

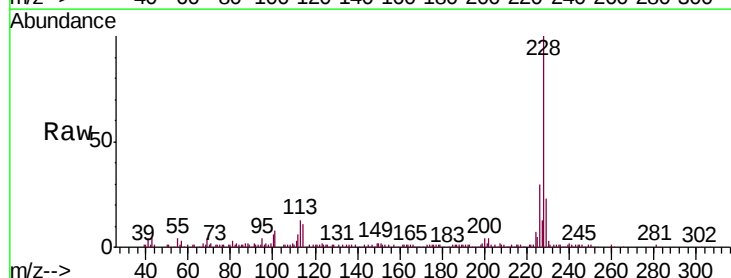
Tgt Ion:228 Resp: 83511

Ion Ratio Lower Upper

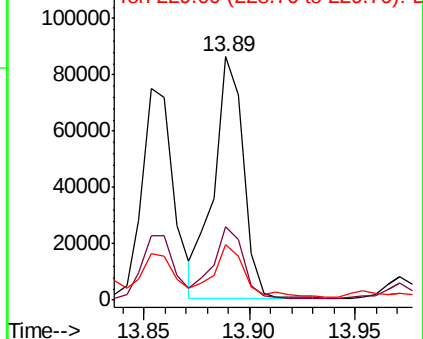
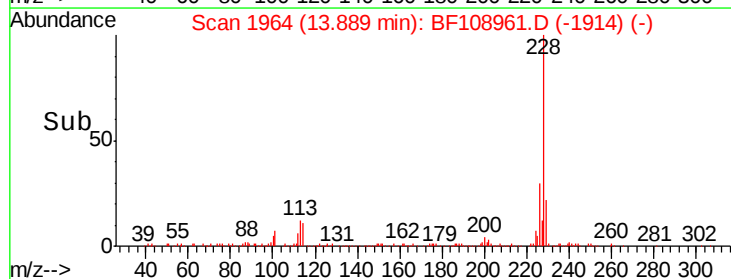
228 100

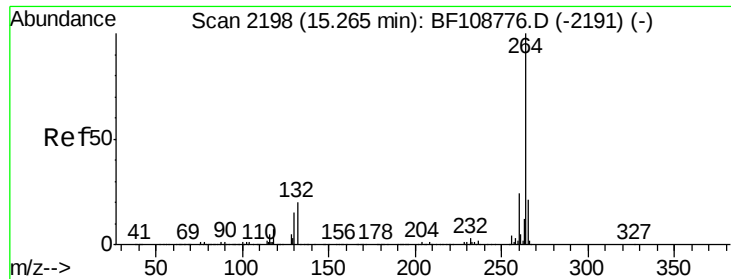
226 30.4 25.0 37.6

229 22.6 16.2 24.4



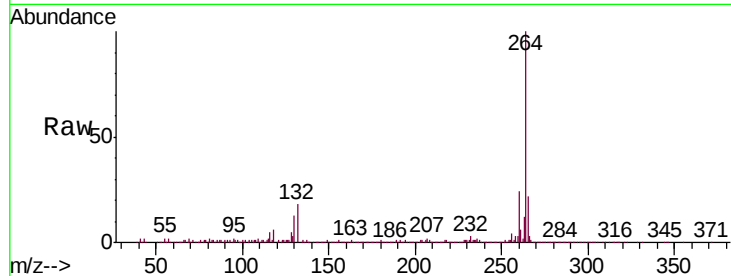
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



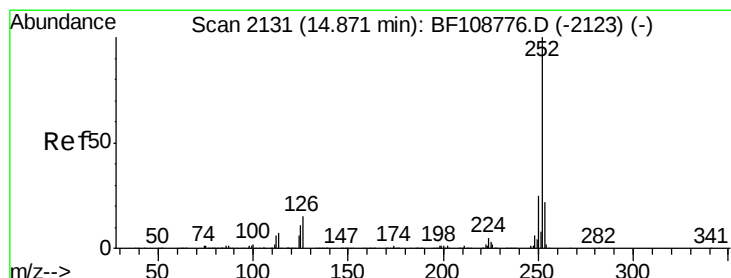
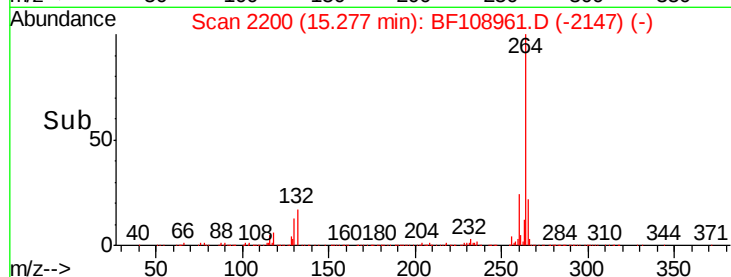
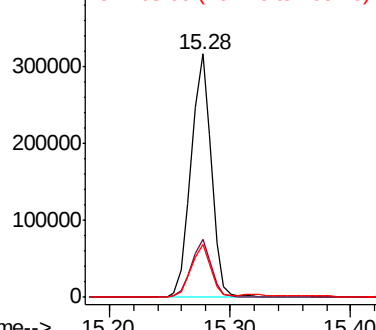


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

Tgt Ion:	264	Resp:	362319
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.9	17.5	26.3

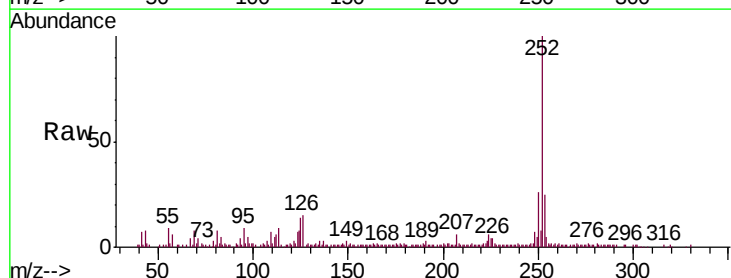


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

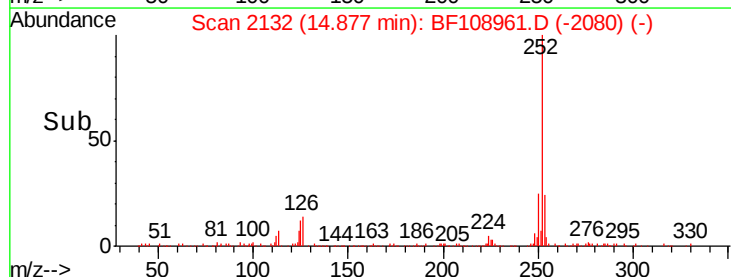
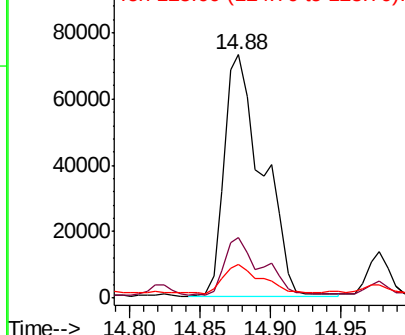


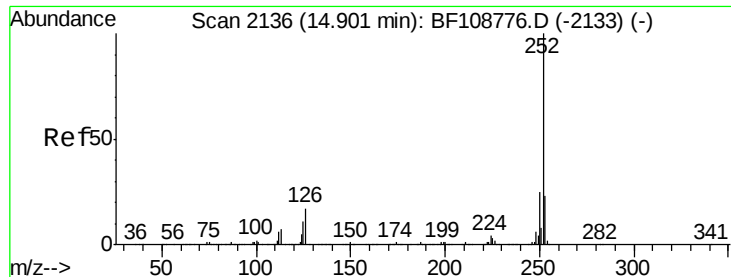
#87
Benzo(b)fluoranthene
Concen: 7.020 ng
RT: 14.88 min Scan# 2132
Delta R.T. 0.01 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

Tgt Ion:	252	Resp:	138297
Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.6
125	13.9	9.0	13.6#



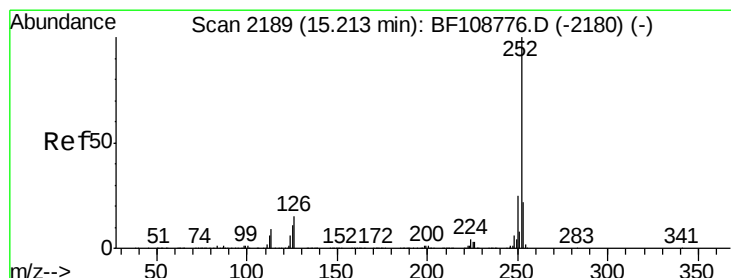
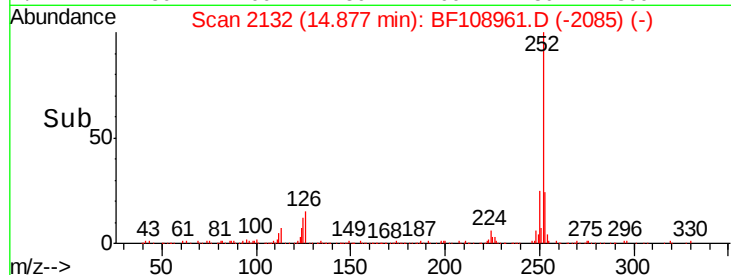
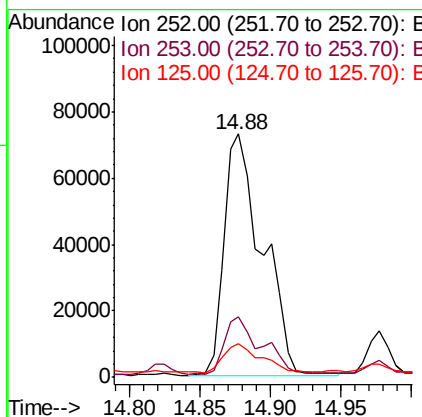
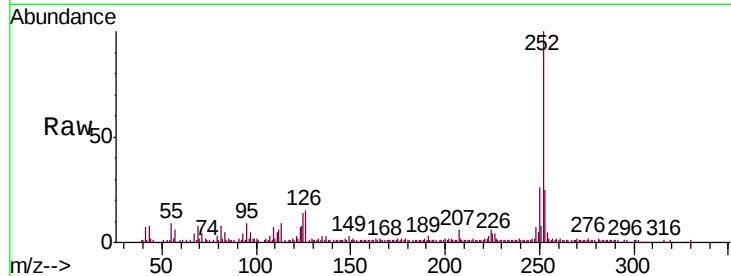
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





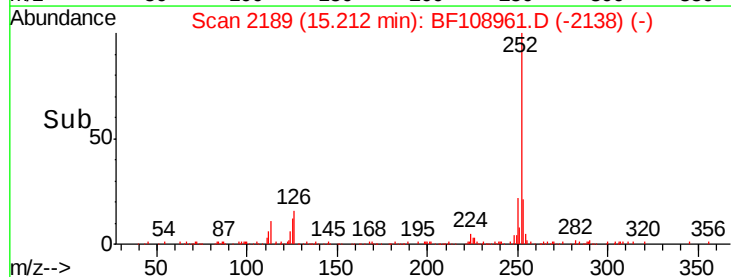
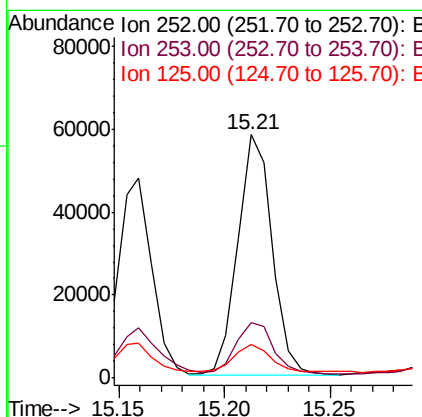
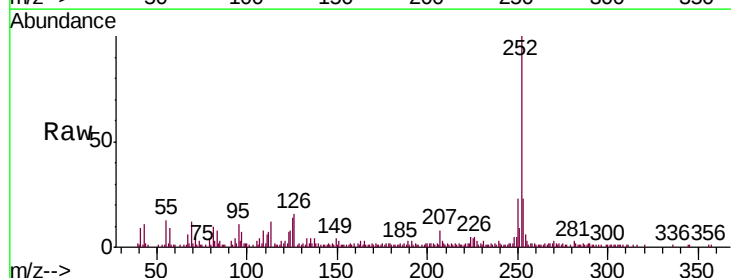
#88
Benzo(k)fluoranthene
Concen: 7.623 ng
RT: 14.88 min Scan# 2132
Delta R.T. -0.02 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

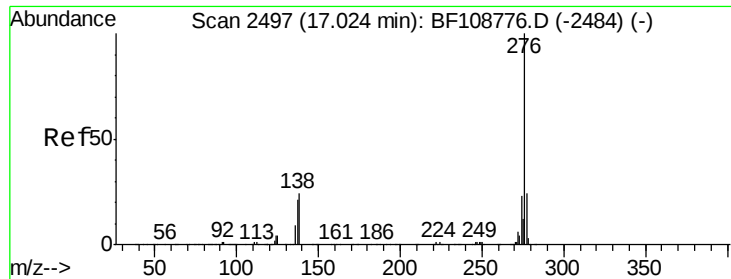
Tgt Ion:	252	Resp:	138297
Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	13.9	10.2	15.2



#89
Benzo(a)pyrene
Concen: 3.681 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.00 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

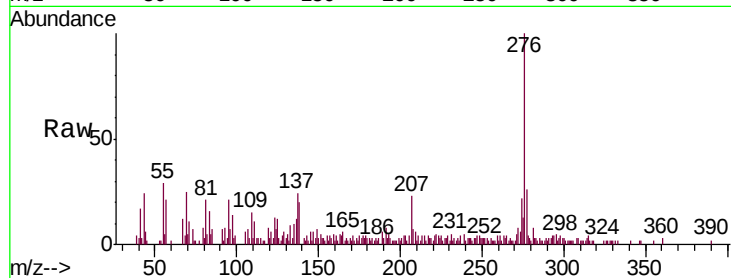
Tgt Ion:	252	Resp:	65440
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	13.7	9.8	14.6





#91
 Benzo(g,h,i)perylene
 Concen: 2.491 ng
 RT: 17.04 min Scan# 2500
 Delta R.T. 0.02 min
 Lab File: BF108961.D
 Acq: 12 Sep 2018 20:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	20.2	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

