

Data Path : U:\HPCHEM1\BNA F\DATA\BF020618\
 Data File : BF102777.D
 Acq On : 6 Feb 2018 12:09
 Operator : SJ/JU
 Sample : J1454-14 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 06 14:42:21 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	189694	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	782018	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	337317	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	487998	20.00	ng	0.00
75) Chrysene-d12	14.04	240	323643	20.00	ng	0.00
86) Perylene-d12	15.53	264	314976	20.00	ng	0.00

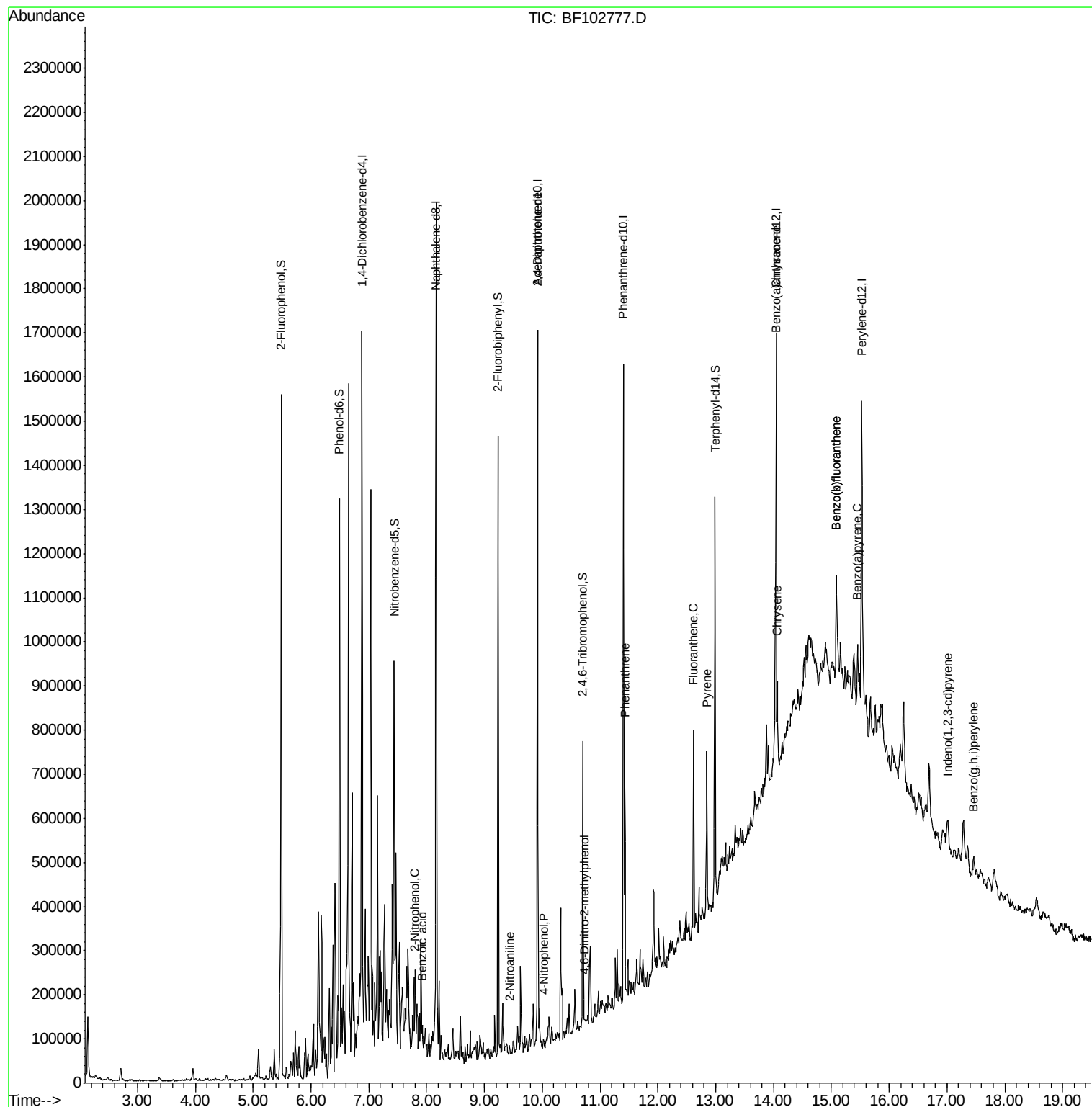
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	338310	27.08	ng	0.00
7) Phenol-d6	6.50	99	406326	27.02	ng	0.00
23) Nitrobenzene-d5	7.44	82	235564	20.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	65045	23.96	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	428114	21.06	ng	-0.01
78) Terphenyl-d14	12.99	244	269766	19.74	ng	-0.01

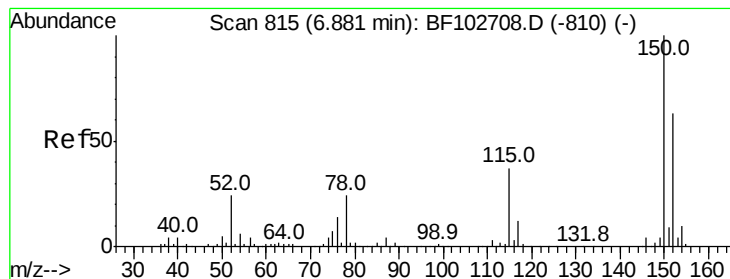
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
26) 2-Nitrophenol	7.79	139	1542	8.898	ng	# 1
32) Benzoic acid	7.93	122	1242	8.698	ng	# 1
47) 2-Nitroaniline	9.44	65	1499	3.674	ng	# 2
55) 4-Nitrophenol	10.02	139	1057	4.222	ng	# 1
56) 2,4-Dinitrotoluene	9.92	165	44031	9.216	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.74	198	156	8.863	ng	# 1
70) Phenanthrene	11.43	178	176604	6.498	ng	100
74) Fluoranthene	12.62	202	183907	6.726	ng	100
77) Pyrene	12.84	202	147594	5.816	ng	98
80) Benzo(a)anthracene	14.03	228	64607	3.174	ng	97
82) Chrysene	14.07	228	72301	3.524	ng	98
85) Indeno(1,2,3-cd)pyrene	17.01	276	37947	2.230	ng	96
87) Benzo(b)fluoranthene	15.09	252	121890	5.969	ng	# 81
88) Benzo(k)fluoranthene	15.09	252	121890	6.247	ng	# 84
89) Benzo(a)pyrene	15.46	252	56058	3.050	ng	# 76
91) Benzo(g,h,i)perylene	17.46	276	37537	2.570	ng	# 89

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

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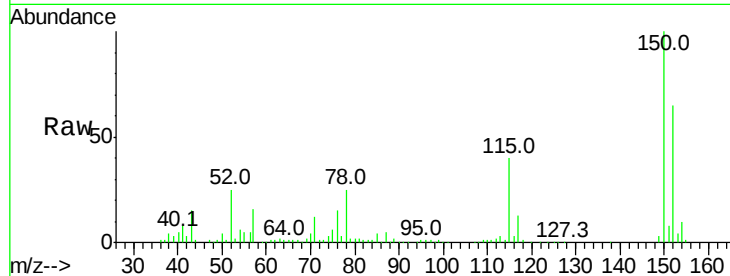




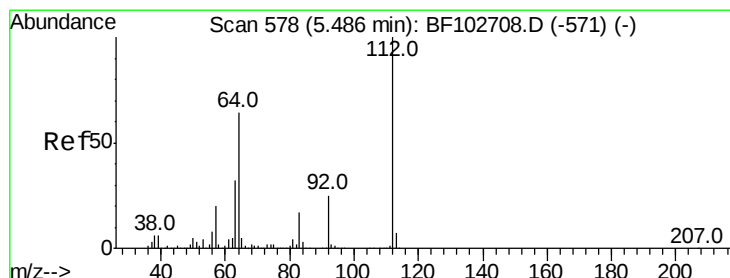
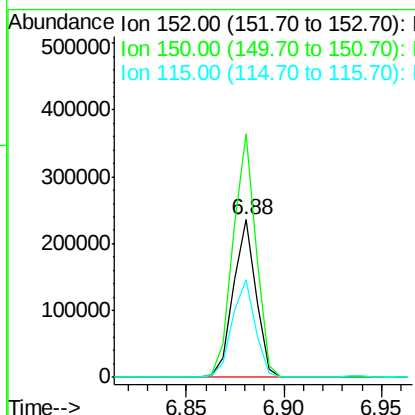
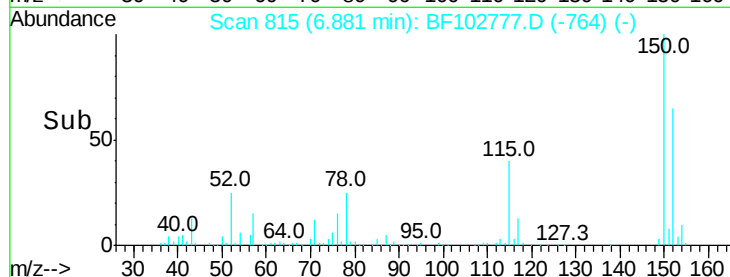
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.6	186.8
115	61.9	50.1	75.1



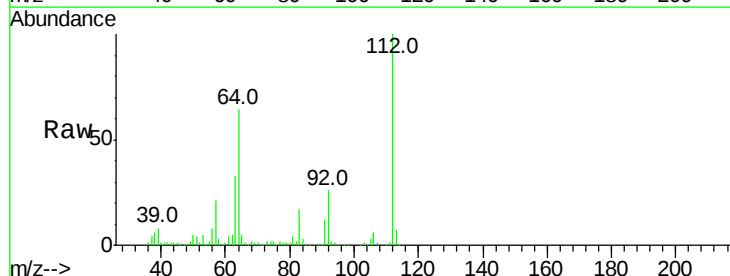
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



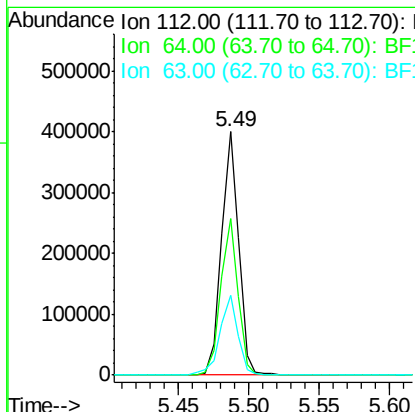
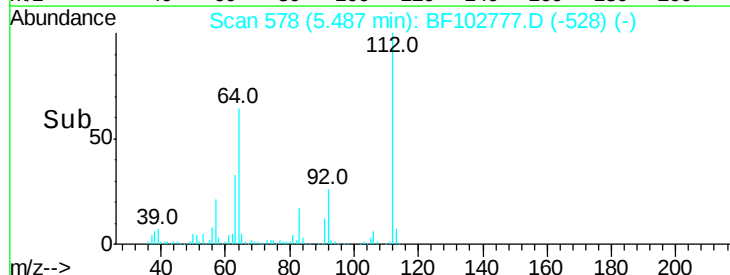
#5

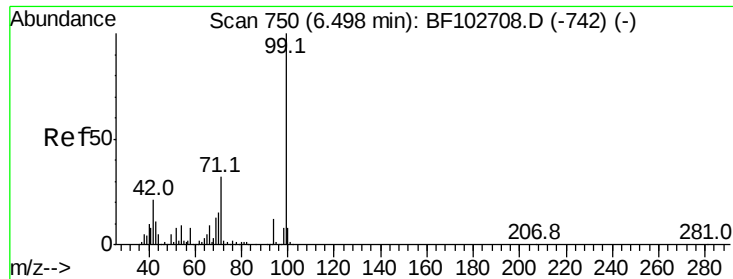
2-Fluorophenol
Concen: 27.085 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	47.9	71.9
63	32.6	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: 27.017 ng

RT: 6.50 min Scan# 750

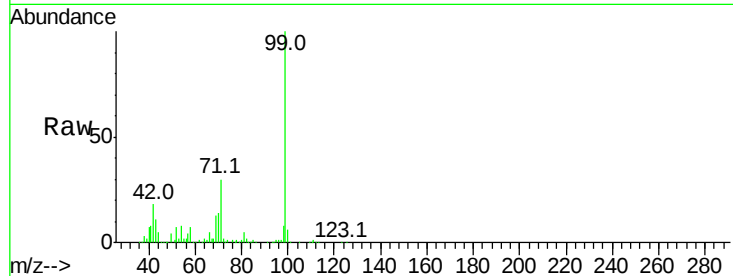
Delta R.T. -0.01 min

Lab File: BF102777.D

Acq: 6 Feb 2018 12:09

Tot Ion: 99 Resp: 406326

Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.5	21.7
71	30.2	25.4	38.0

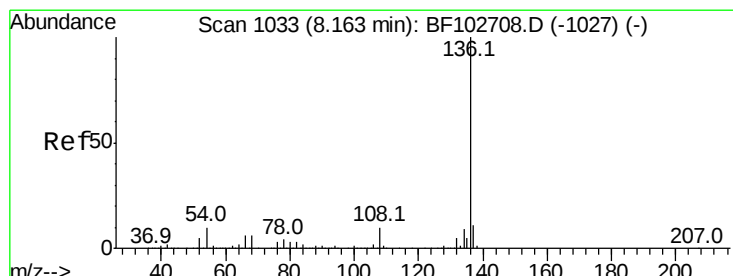
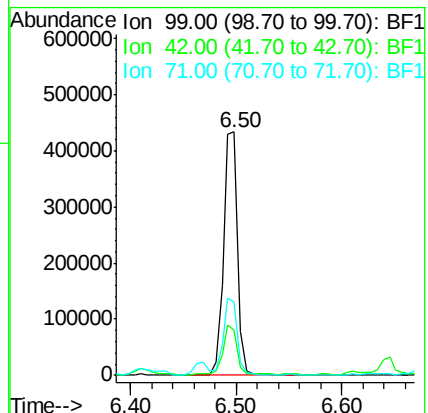
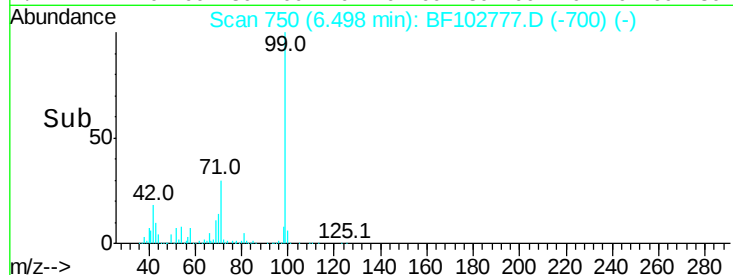


Abundance

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: 8.16 min Scan# 1033

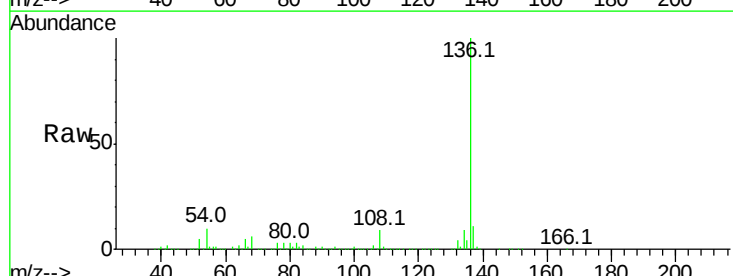
Delta R.T. -0.01 min

Lab File: BF102777.D

Acq: 6 Feb 2018 12:09

Tgt Ion: 136 Resp: 782018

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	10.0	6.6	9.8
68	6.4	5.0	7.4



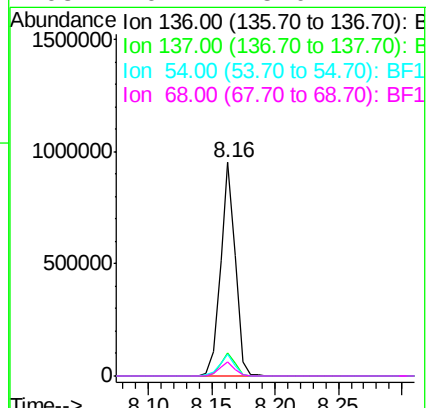
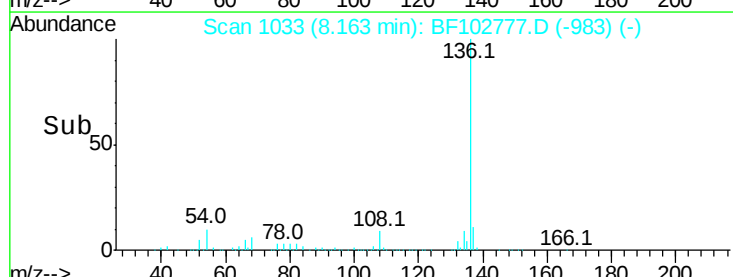
Abundance

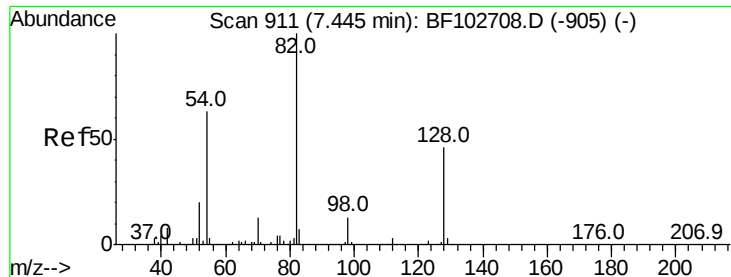
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

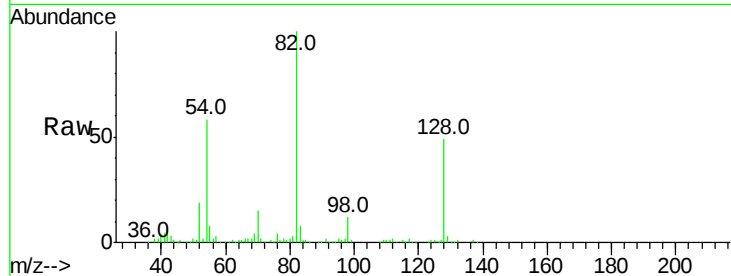
Ion 68.00 (67.70 to 68.70): BF1



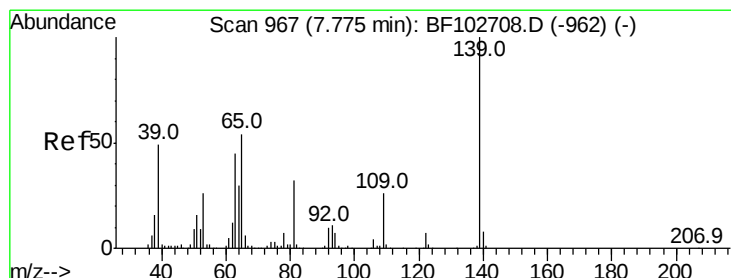
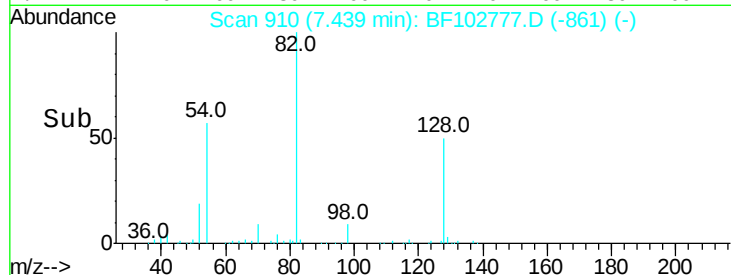
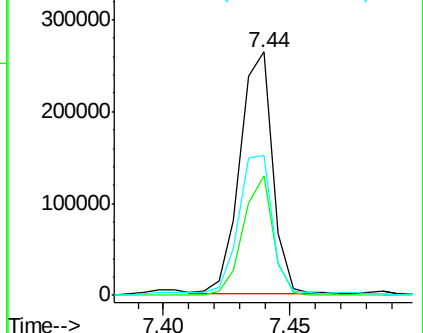


#23
Nitrobenzene-d5
Concen: 20.896 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

Tot Ion	82	Resp	235564
Ion	Ratio	Lower	Upper
82	100		
128	48.8	36.1	54.1
54	57.7	41.4	62.2

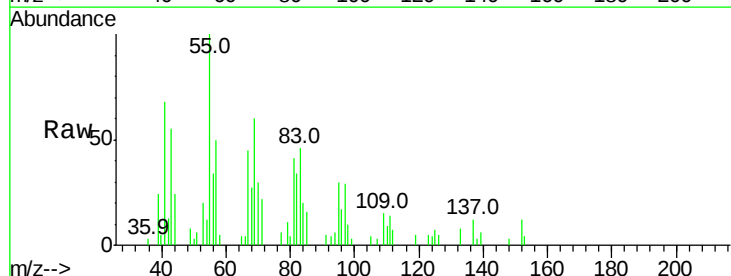


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

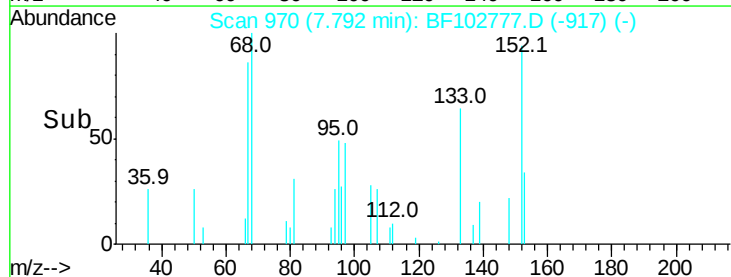
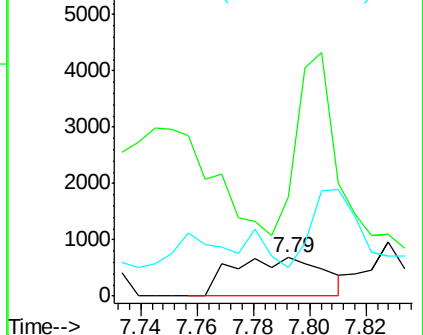


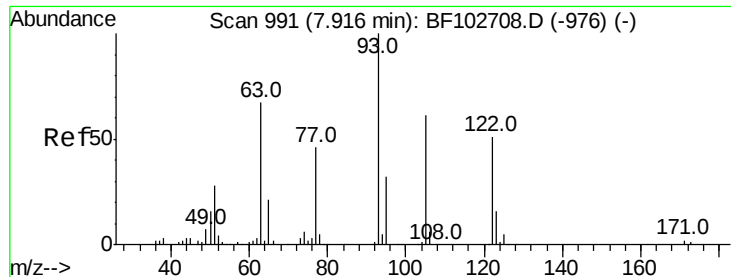
#26
2-Nitrophenol
Concen: 8.898 ng
RT: 7.79 min Scan# 970
Delta R.T. 0.01 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

Tgt Ion	139	Resp	1542
Ion	Ratio	Lower	Upper
139	100		
109	258.0	22.7	34.1#
65	74.0	40.5	60.7#



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#32

Benzoic acid

Concen: 8.698 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.00 min

Lab File: BF102777.D

Acq: 6 Feb 2018 12:09

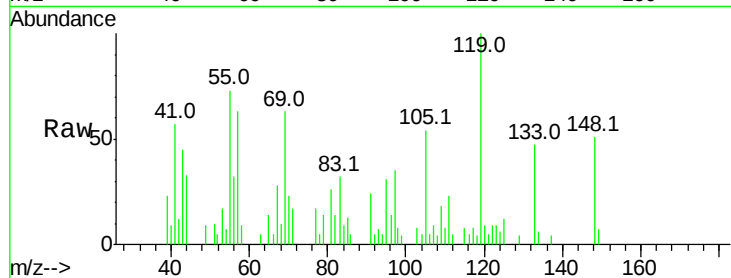
Tot Ion:122 Resp: 1242

Ion Ratio Lower Upper

122 100

105 628.6 101.1 141.1#

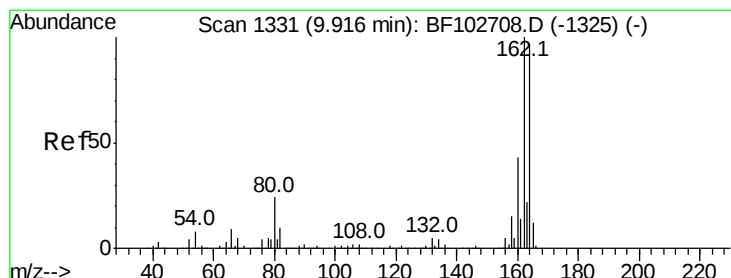
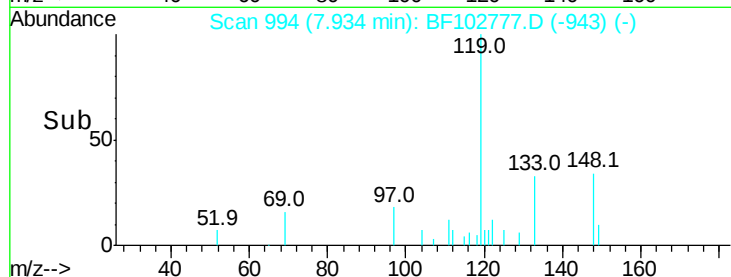
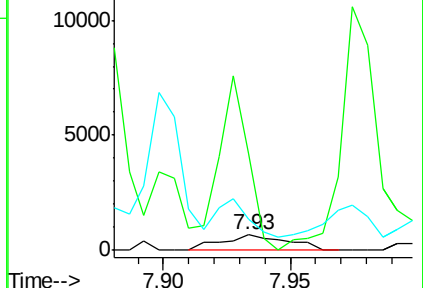
77 200.7 70.7 110.7#



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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF102777.D

Acq: 6 Feb 2018 12:09

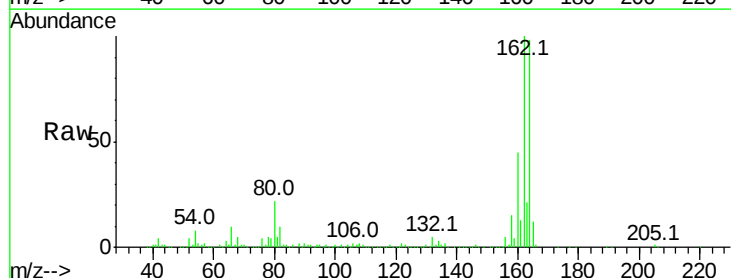
Tgt Ion:164 Resp: 337317

Ion Ratio Lower Upper

164 100

162 102.3 86.1 129.1

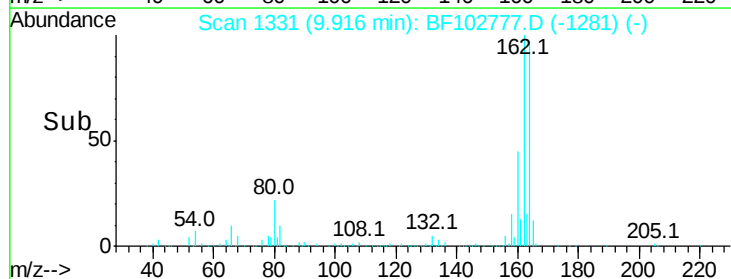
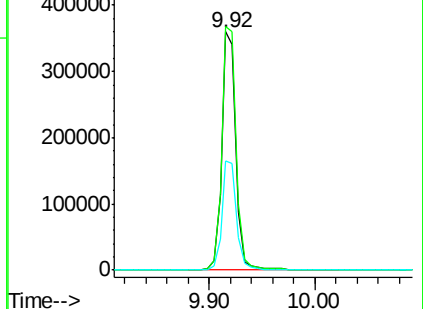
160 45.8 38.3 57.5

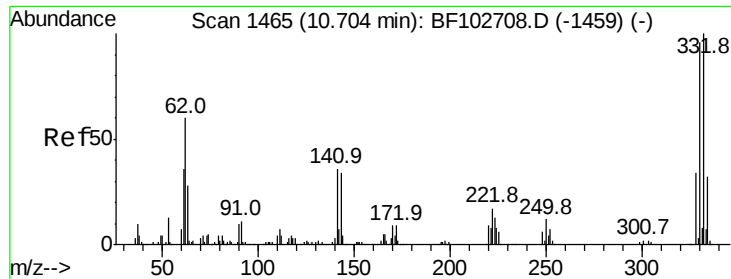


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

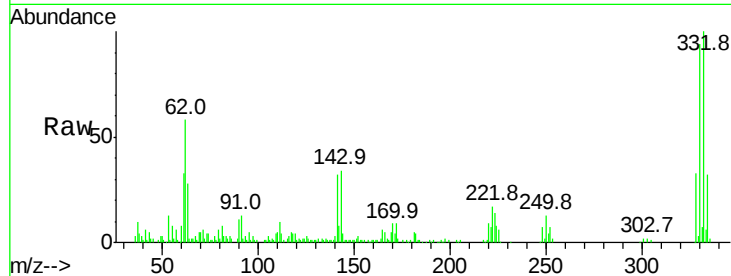
Ion 160.00 (159.70 to 160.70): E



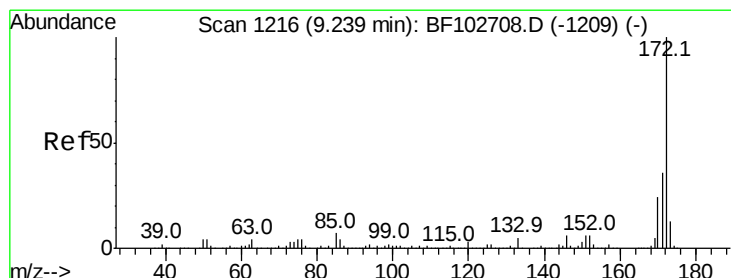
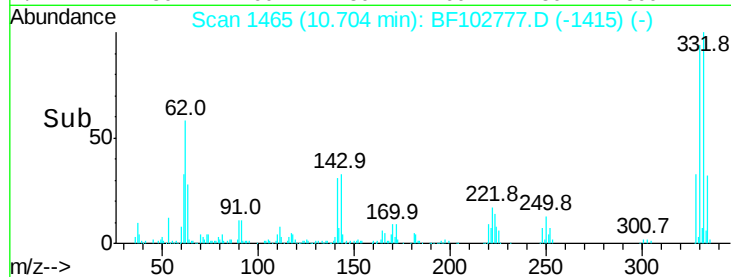
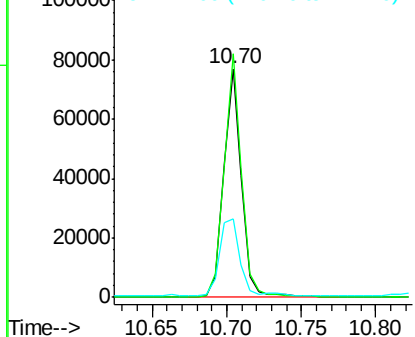


#41
 2,4,6-Tribromophenol
 Concen: 23.958 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF102777.D
 Acq: 6 Feb 2018 12:09

Tot Ion:330 Resp: 65045
 Ion Ratio Lower Upper
 330 100
 332 104.3 77.0 115.6
 141 38.7 29.9 44.9

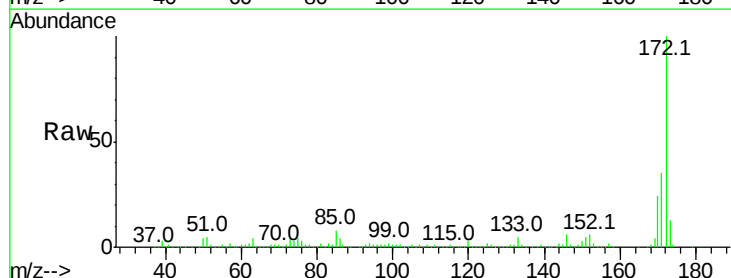


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

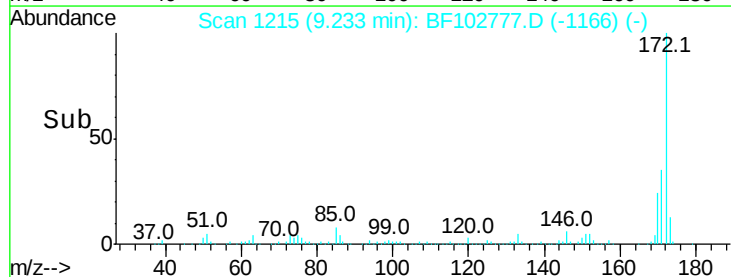
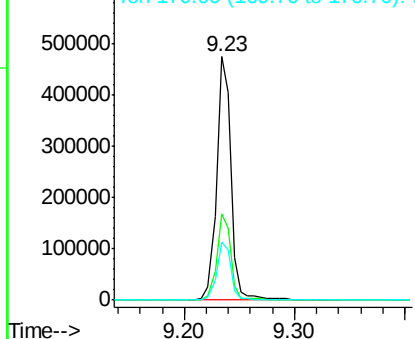


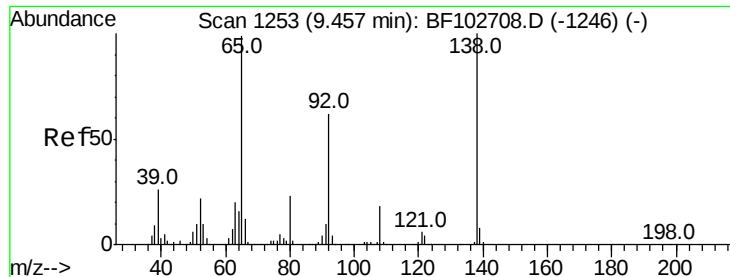
#44
 2-Fluorobiphenyl
 Concen: 21.060 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF102777.D
 Acq: 6 Feb 2018 12:09

Tgt Ion:172 Resp: 428114
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 24.0 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





#47

2-Nitroaniline

Concen: 3.674 ng

RT: 9.44 min Scan# 1250

Delta R.T. -0.02 min

Lab File: BF102777.D

Acq: 6 Feb 2018 12:09

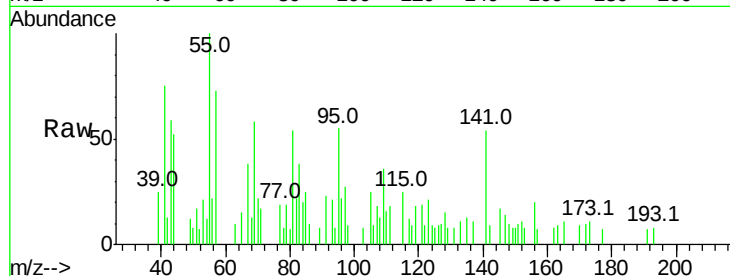
Tot Ion: 65 Resp: 1499

Ion Ratio Lower Upper

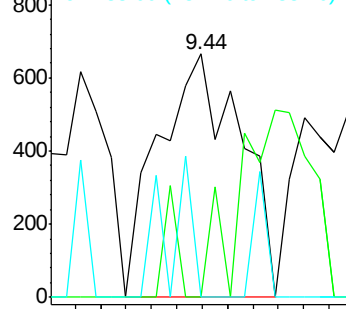
65 100

92 0.0 55.8 83.6#

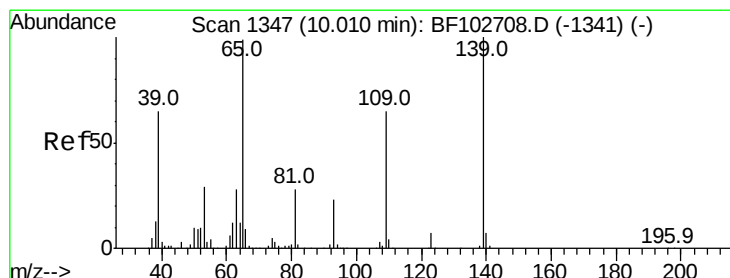
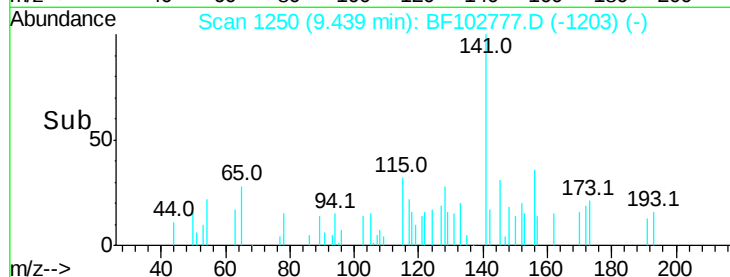
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



Time-->



#55

4-Nitrophenol

Concen: 4.222 ng

RT: 10.02 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BF102777.D

Acq: 6 Feb 2018 12:09

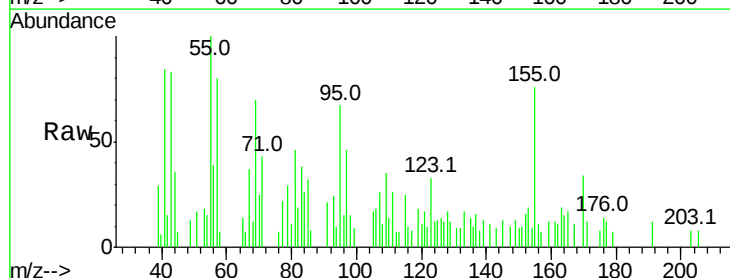
Tgt Ion: 139 Resp: 1057

Ion Ratio Lower Upper

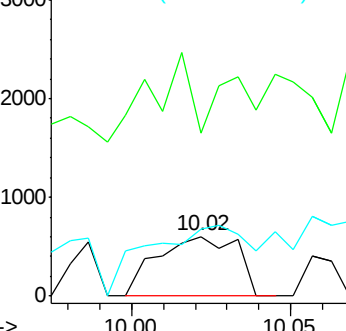
139 100

109 273.1 48.4 88.4#

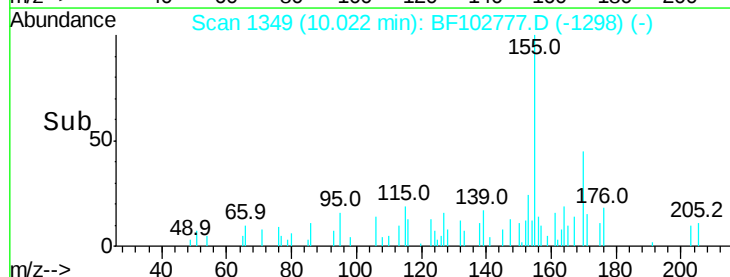
65 111.2 72.6 112.6

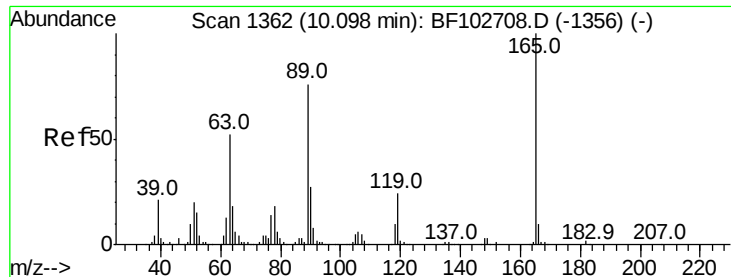


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1



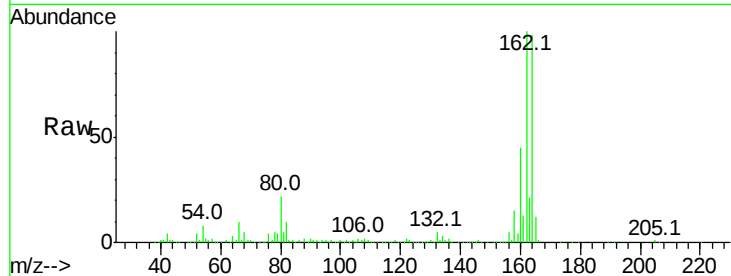
Time-->





#56
 2,4-Dinitrotoluene
 Concen: 9.216 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF102777.D
 Acq: 6 Feb 2018 12:09

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

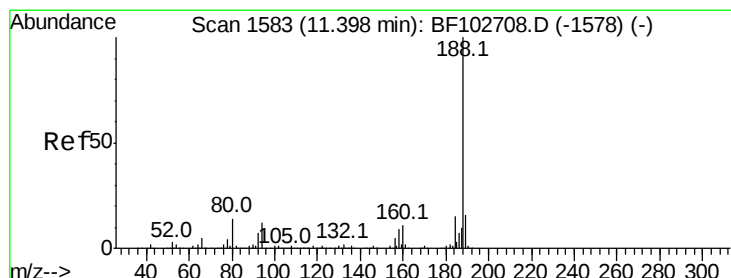
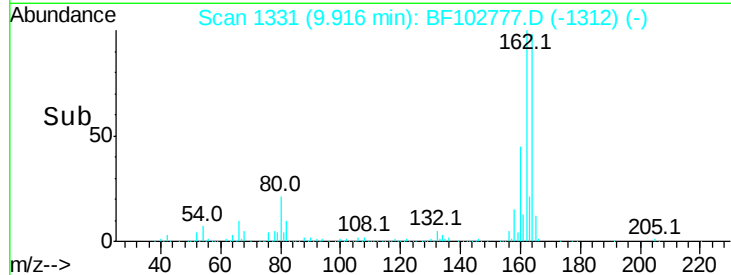
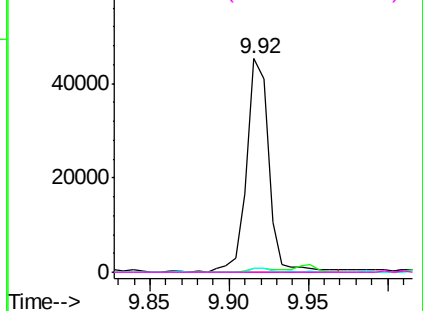


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

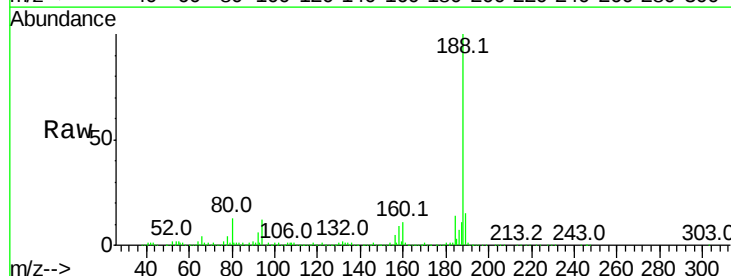
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF102777.D
 Acq: 6 Feb 2018 12:09

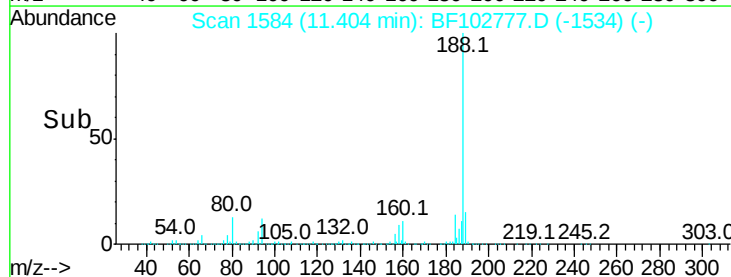
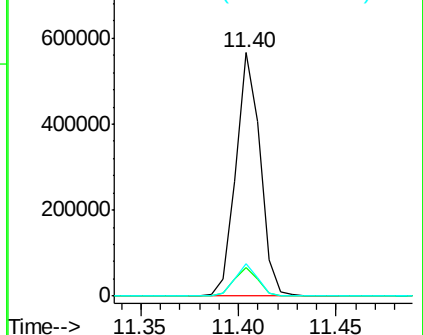
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.9	8.5	12.7
80	13.1	9.2	13.8

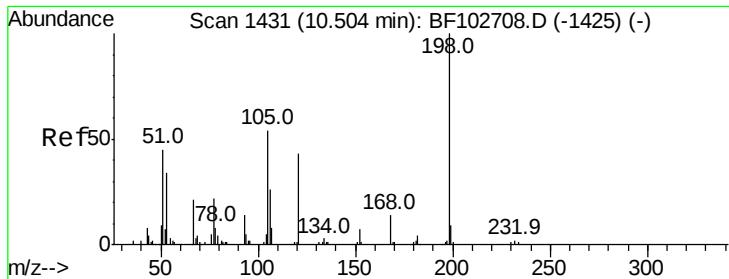


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.863 ng

RT: 10.74 min Scan# 1471

Delta R.T. 0.22 min

Lab File: BF102777.D

Acq: 6 Feb 2018 12:09

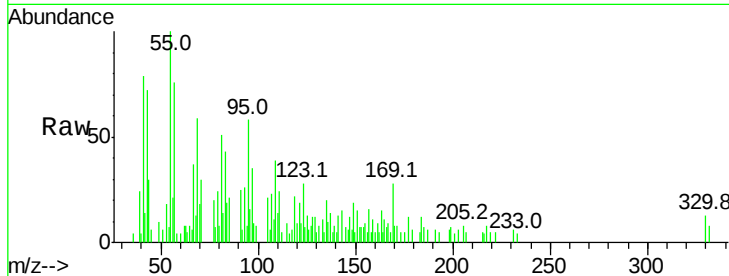
Tot Ion:198 Resp: 156

Ion Ratio Lower Upper

198 100

51 106.1 37.7 77.7#

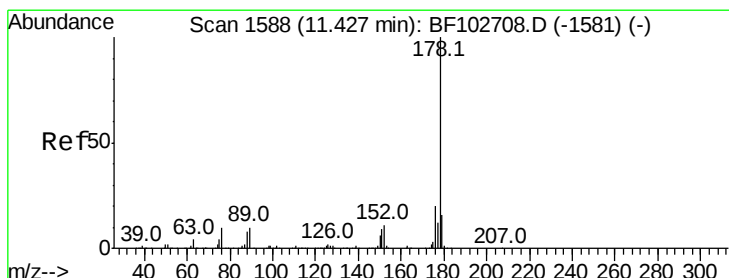
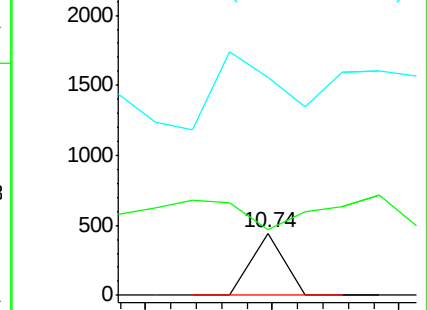
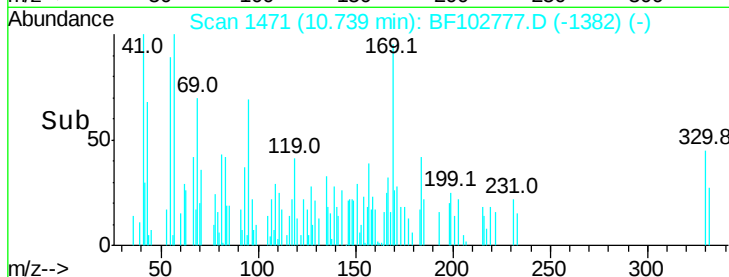
105 351.6 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#70

Phenanthrene

Concen: 6.498 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF102777.D

Acq: 6 Feb 2018 12:09

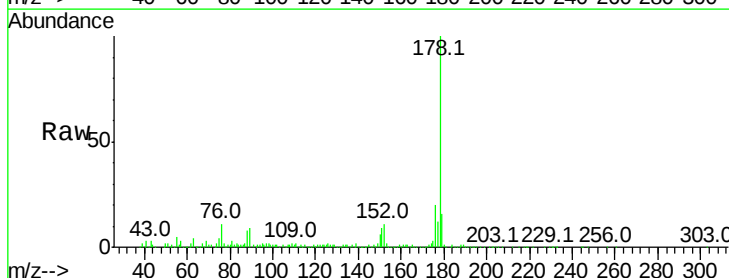
Tgt Ion:178 Resp: 176604

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

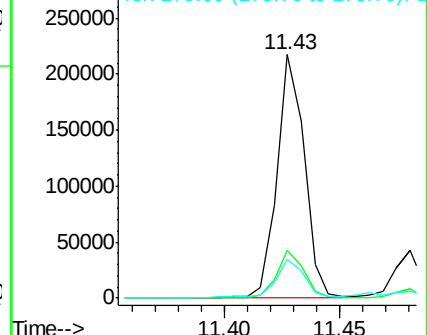
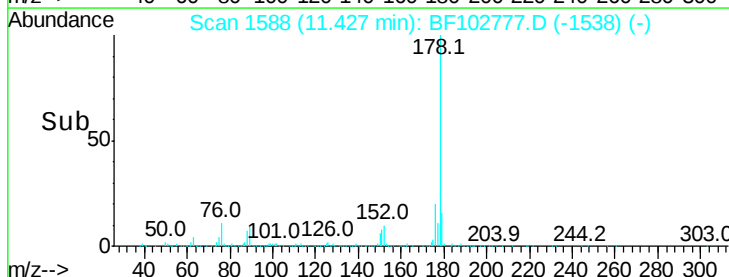
179 15.9 13.0 19.6

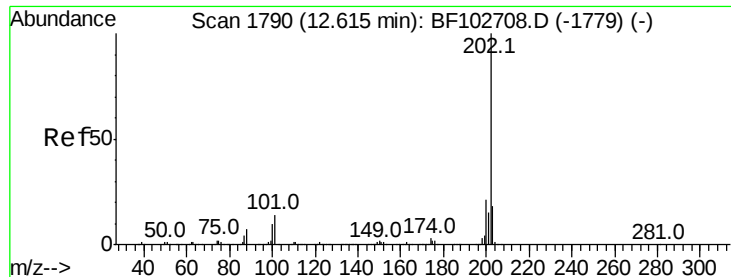


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.726 ng

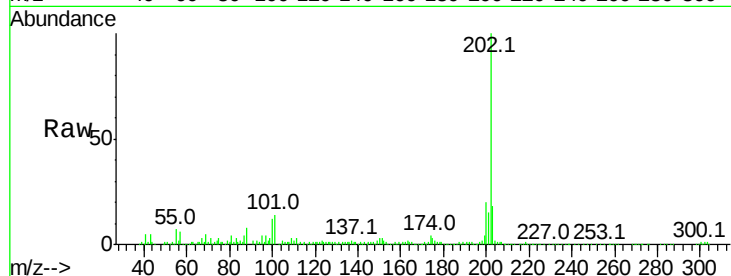
RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF102777.D

Acq: 6 Feb 2018 12:09

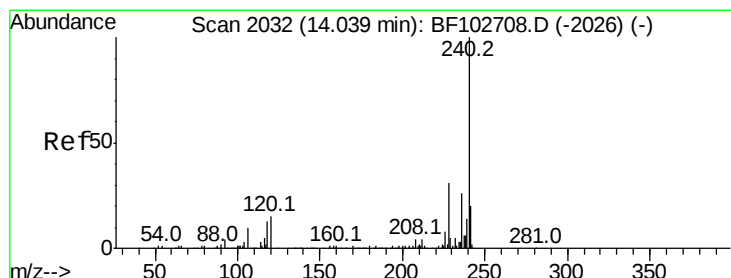
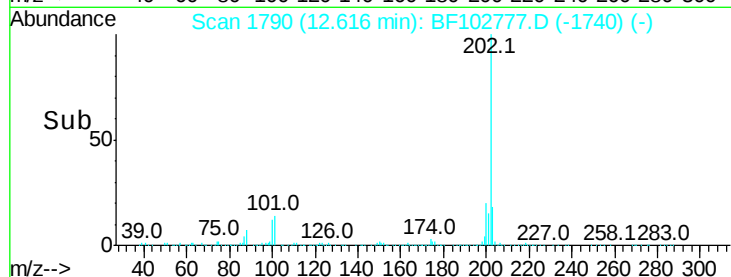
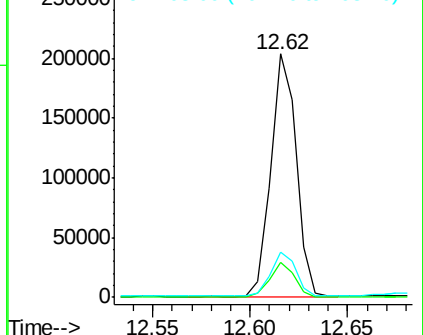
Tot Ion:	202	Resp:	183907
Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	34.1
203	18.4	0.0	38.1



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

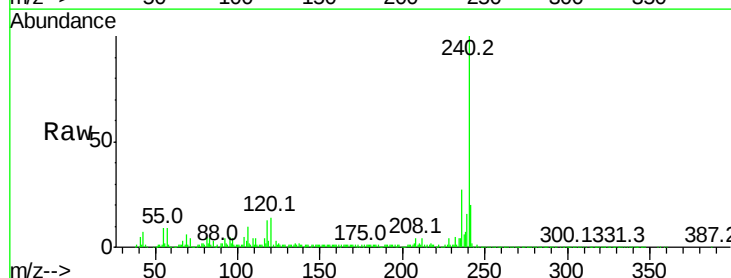
RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF102777.D

Acq: 6 Feb 2018 12:09

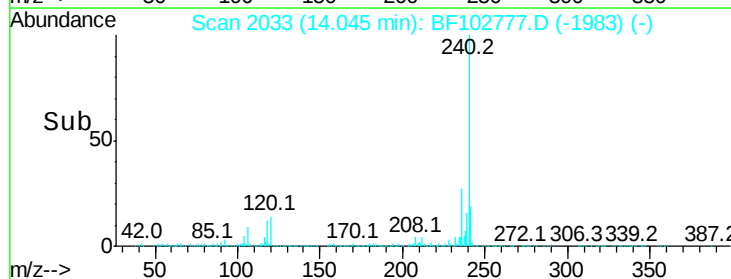
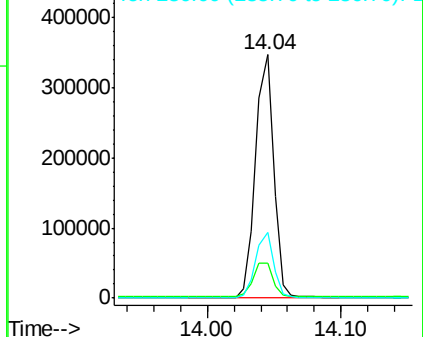
Tgt Ion:	240	Resp:	323643
Ion	Ratio	Lower	Upper
240	100		
120	14.3	9.5	14.3
236	27.2	20.7	31.1

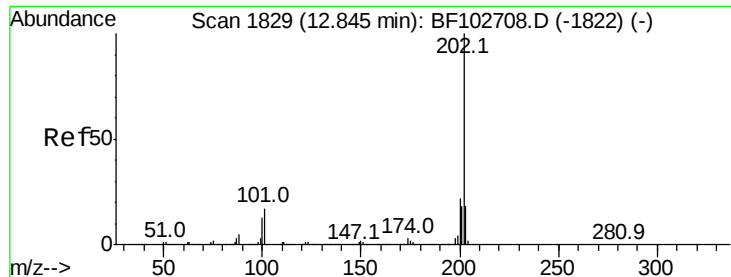


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.816 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF102777.D

Acq: 6 Feb 2018 12:09

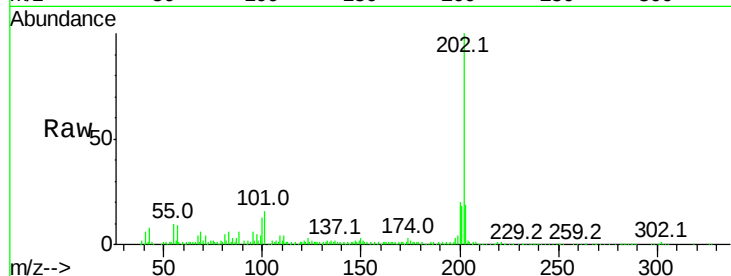
Tot Ion:202 Resp: 147594

Ion Ratio Lower Upper

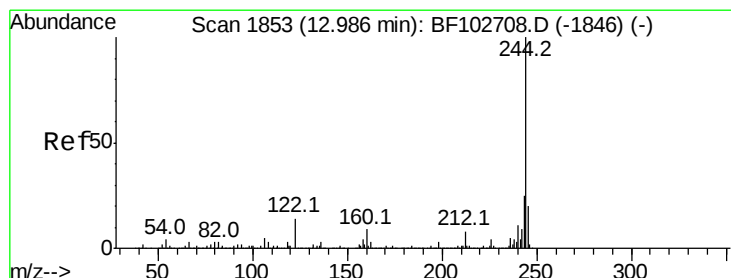
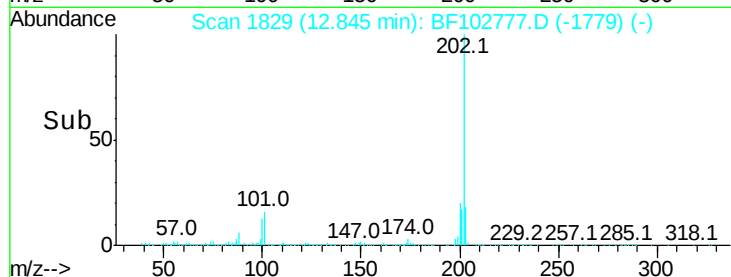
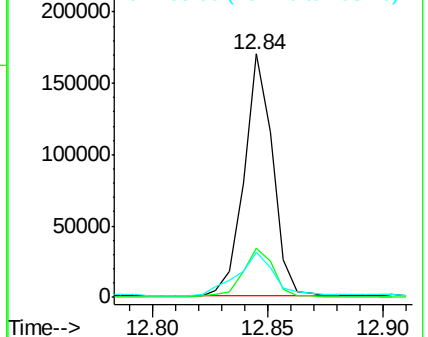
202 100

200 20.3 17.4 26.2

203 18.5 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: 19.736 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF102777.D

Acq: 6 Feb 2018 12:09

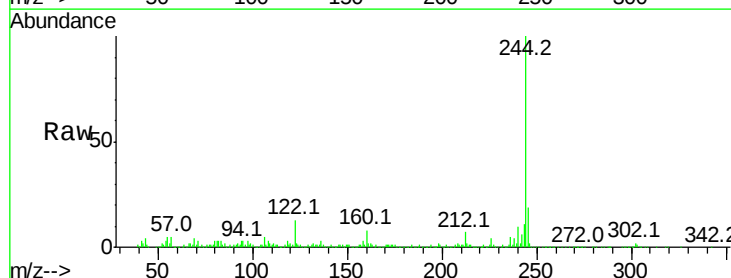
Tgt Ion:244 Resp: 269766

Ion Ratio Lower Upper

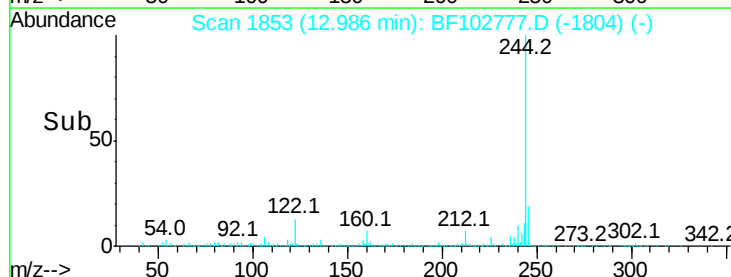
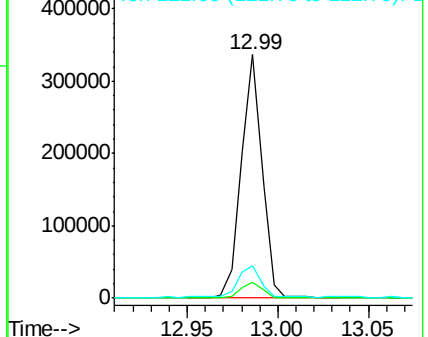
244 100

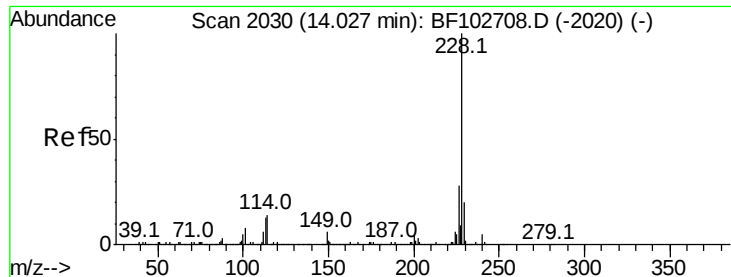
212 6.7 5.4 8.0

122 13.4 11.0 16.4



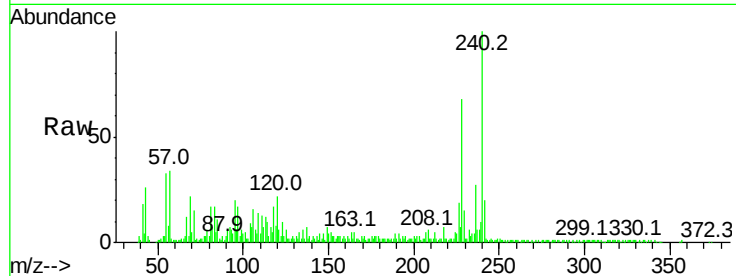
Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



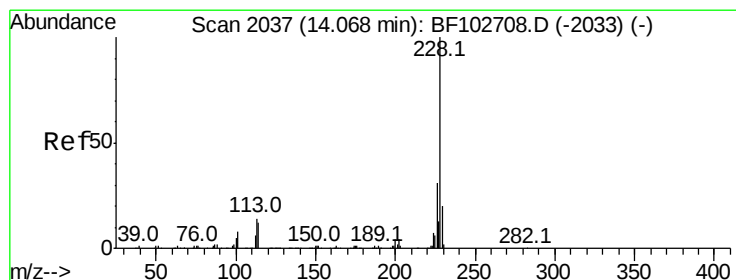
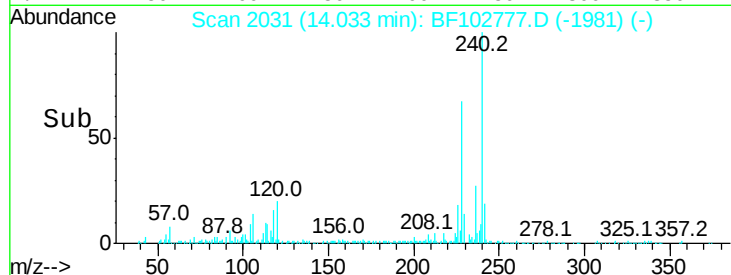
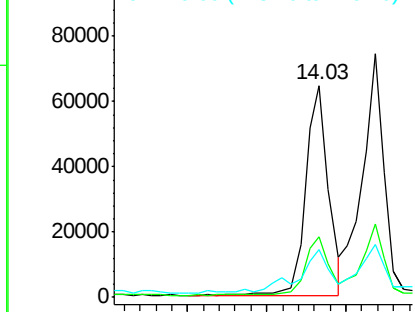


#80
Benzo(a)anthracene
Concen: 3.174 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	22.2	15.8	23.6

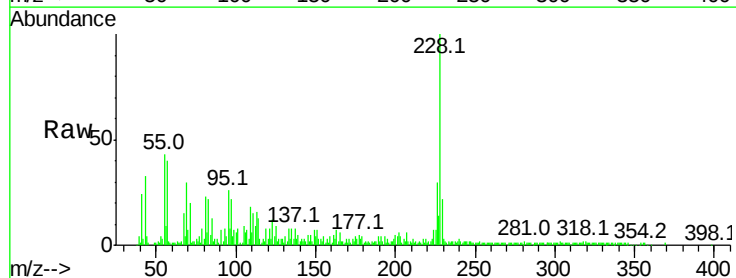


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

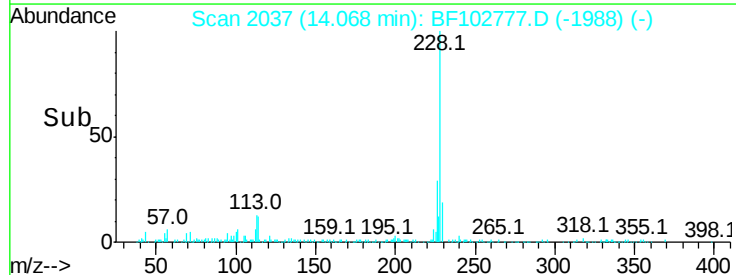
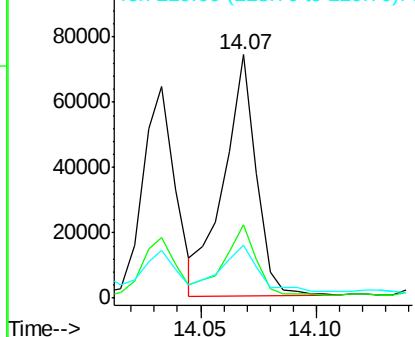


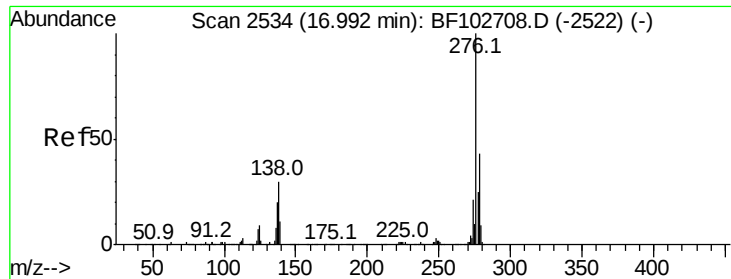
#82
Chrysene
Concen: 3.524 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	21.9	16.2	24.4



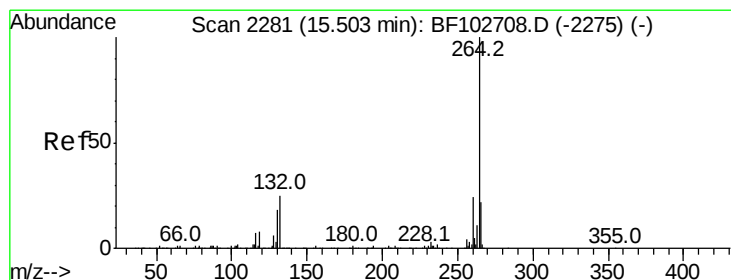
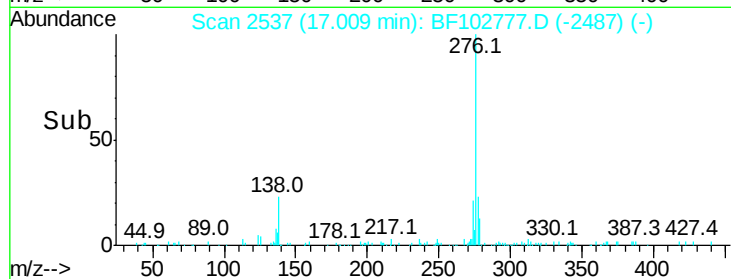
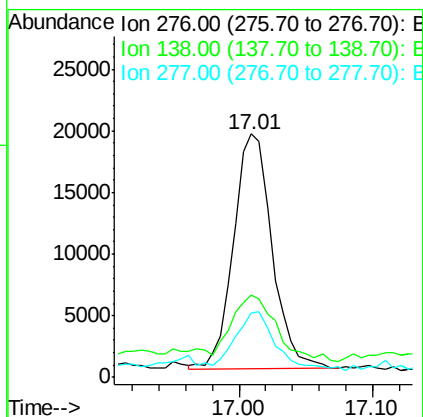
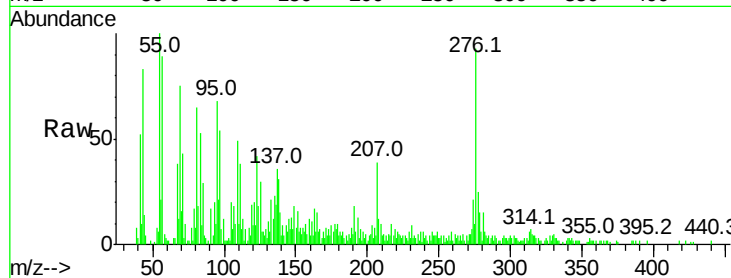
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





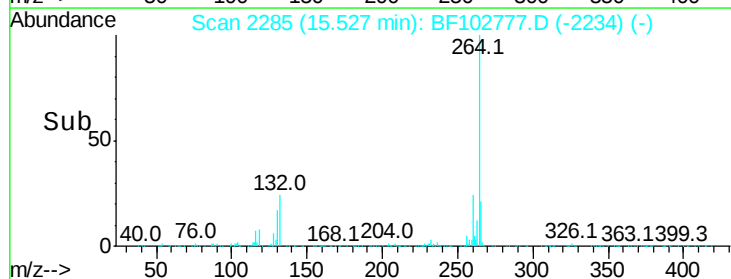
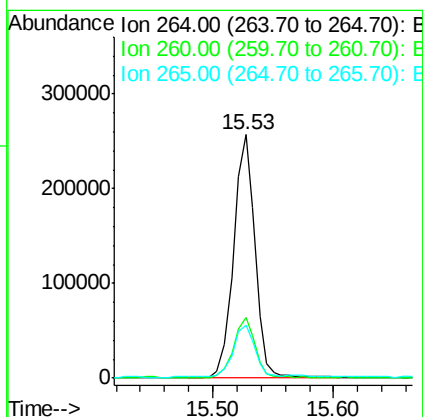
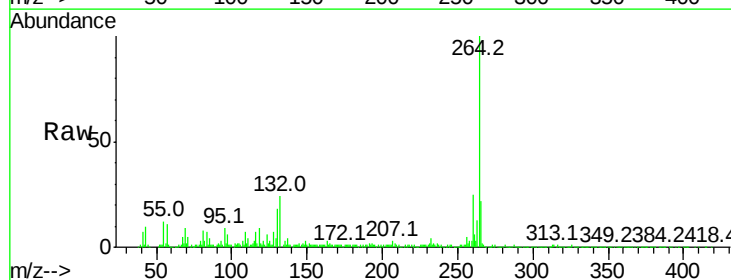
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.230 ng
RT: 17.01 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

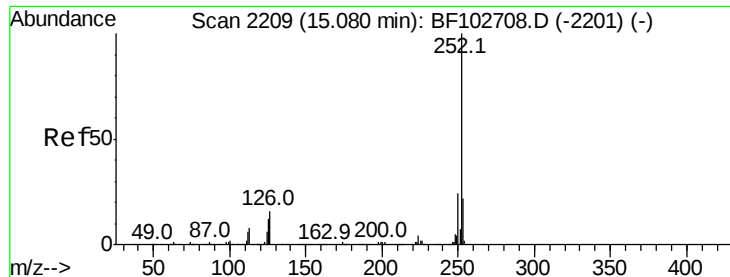
Tot Ion	Ratio	Lower	Upper
276	100		
138	33.6	25.0	37.6
277	26.5	20.1	30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.00 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	21.7	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 5.969 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BF102777.D

Acq: 6 Feb 2018 12:09

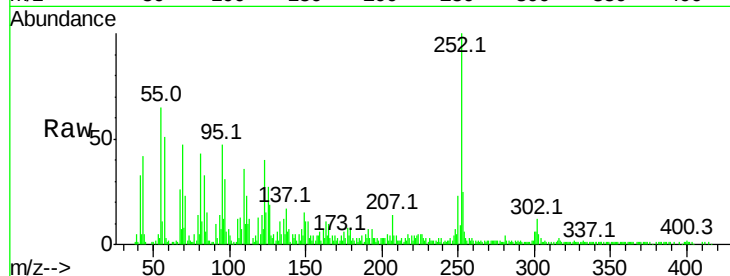
Tot Ion:252 Resp: 121890

Ion Ratio Lower Upper

252 100

253 24.9 17.0 25.6

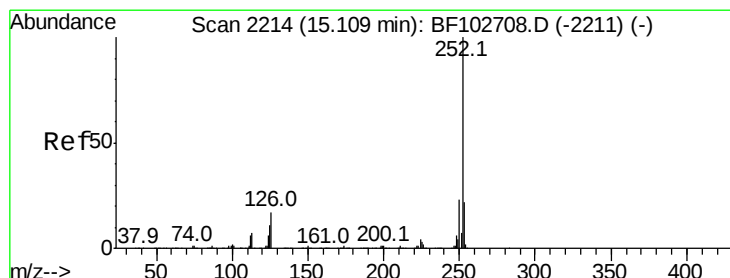
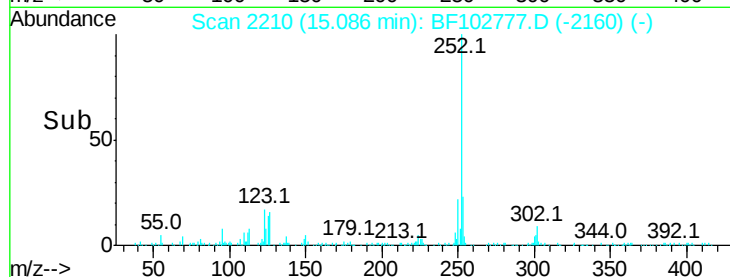
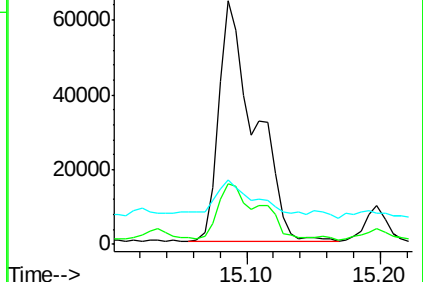
125 26.6 9.0 13.6#



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: 6.247 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.04 min

Lab File: BF102777.D

Acq: 6 Feb 2018 12:09

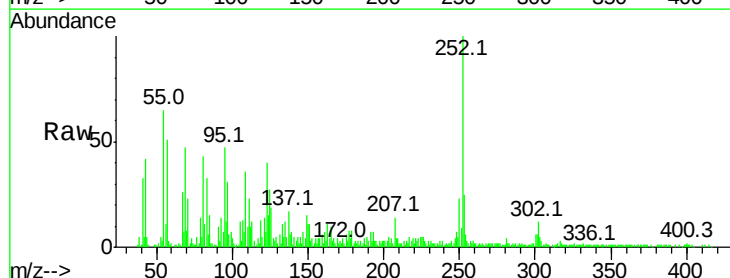
Tgt Ion:252 Resp: 121890

Ion Ratio Lower Upper

252 100

253 24.9 17.9 26.9

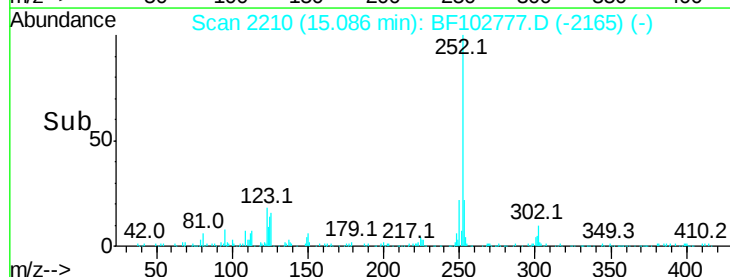
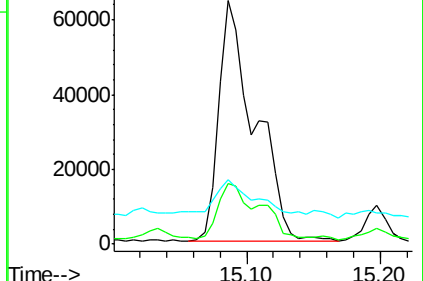
125 26.6 10.2 15.2#

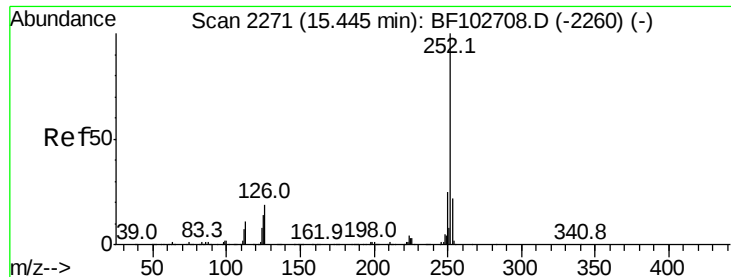


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

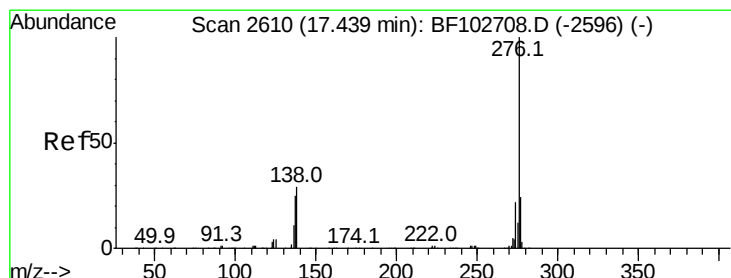
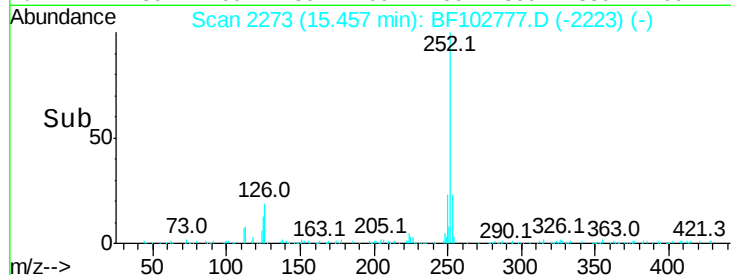
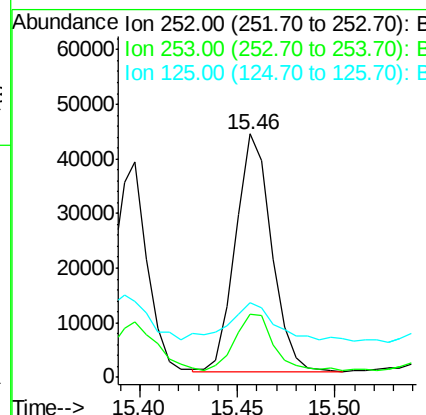
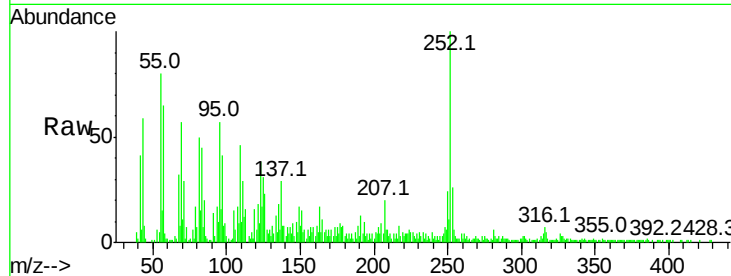
Ion 125.00 (124.70 to 125.70): E





#89
Benzo(a)pyrene
Concen: 3.050 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.1	25.7#
125	30.5	9.8	14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.570 ng
RT: 17.46 min Scan# 2614
Delta R.T. -0.01 min
Lab File: BF102777.D
Acq: 6 Feb 2018 12:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	35.3	21.8	32.8#

