

Data Path : U:\HPCHEM1\BNA F\DATA\BF020618\
 Data File : BF102789.D
 Acq On : 6 Feb 2018 17:34
 Operator : SJ/JU
 Sample : J1454-20
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 06 18:21:03 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	204103	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	808054	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	328274	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	450465	20.00	ng	0.00
75) Chrysene-d12	14.04	240	357489	20.00	ng	0.00
86) Perylene-d12	15.53	264	333798	20.00	ng	0.00

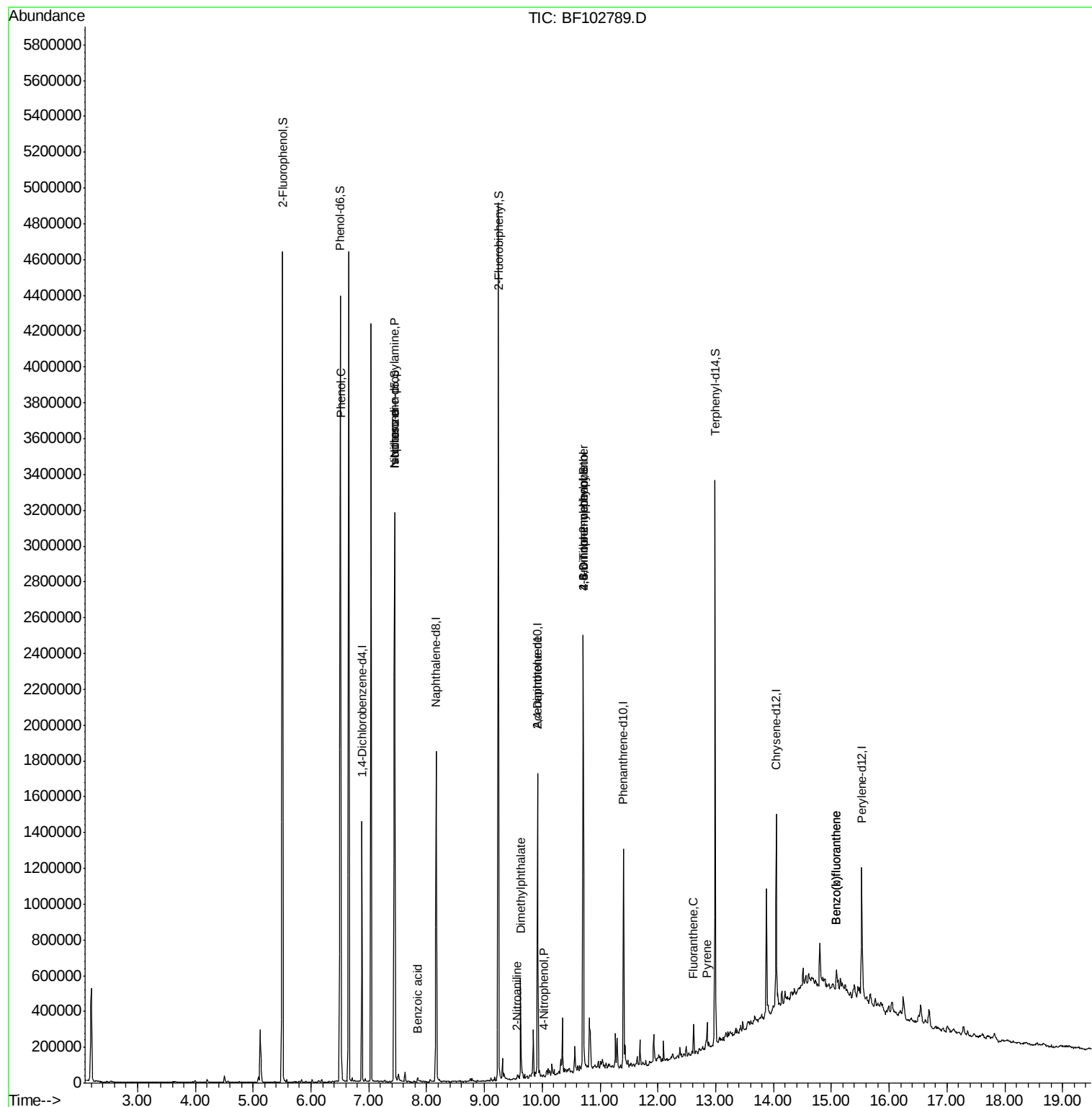
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	1445887	107.58	ng	0.02
7) Phenol-d6	6.51	99	1695378	104.77	ng	0.00
23) Nitrobenzene-d5	7.45	82	1055723	90.63	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	266866	101.00	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1682943	85.07	ng	0.00
78) Terphenyl-d14	12.99	244	1036172	68.63	ng	0.00

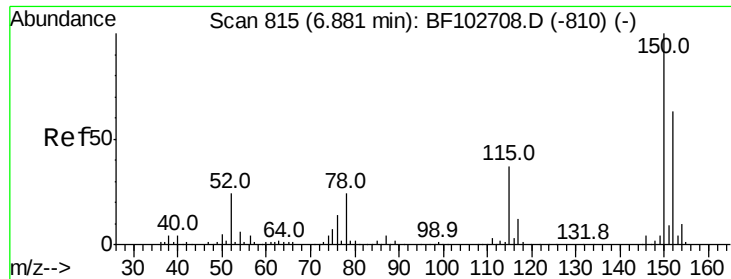
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	48984	2.825	ng	96
19) n-Nitroso-di-n-propylamine	7.45	70	141349	13.248	ng	# 83
25) Isophorone	7.45	82	1055709	39.360	ng	# 64
32) Benzoic acid	7.85	122	5571	9.216	ng	91
47) 2-Nitroaniline	9.56	65	126	3.490	ng	# 2
49) Dimethylphthalate	9.63	163	201127	7.858	ng	100
55) 4-Nitrophenol	10.03	139	245	4.071	ng	# 1
56) 2,4-Dinitrotoluene	9.92	165	42815	9.211	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	686	9.131	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	17734	3.722	ng	# 1
74) Fluoranthene	12.62	202	67110	2.659	ng	98
77) Pylene	12.85	202	62261	2.221	ng	98
87) Benzo(b)fluoranthene	15.09	252	65037	3.005	ng	# 79
88) Benzo(k)fluoranthene	15.09	252	65037	3.145	ng	# 82

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

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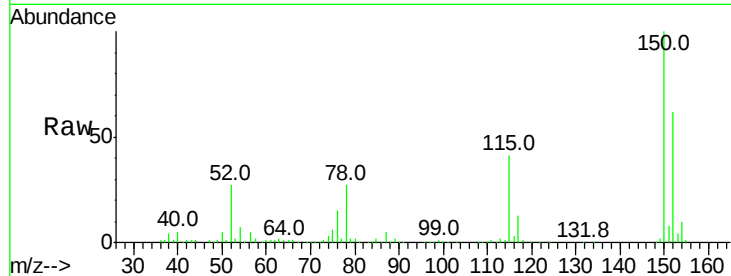




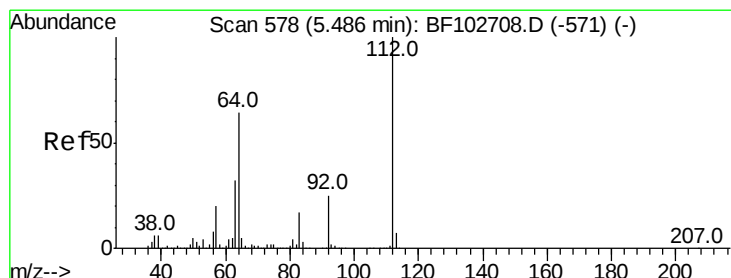
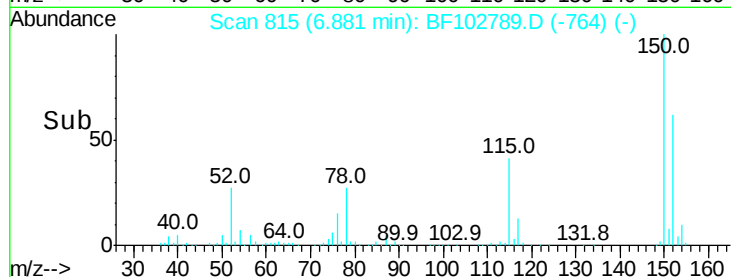
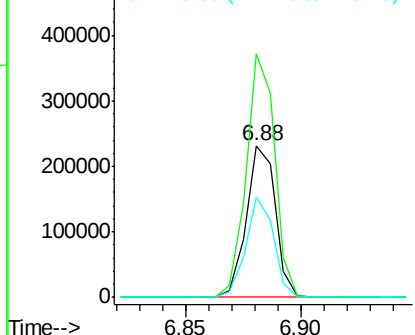
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102789.D
Acq: 6 Feb 2018 17:34

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	124.6	186.8
115	65.6	50.1	75.1



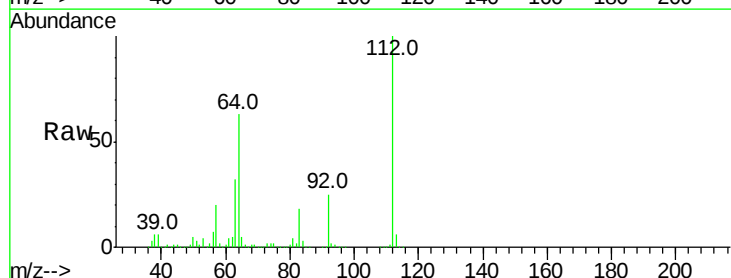
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



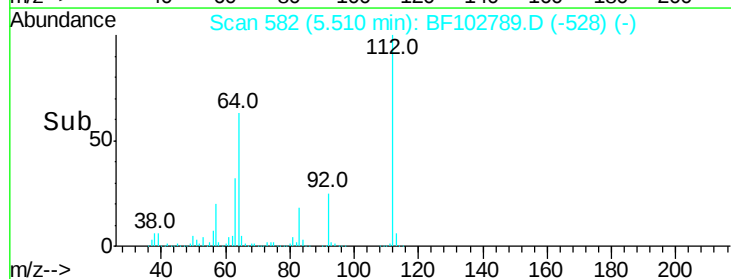
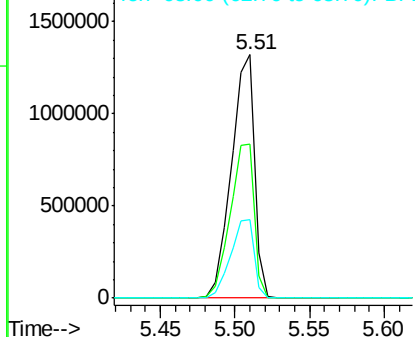
#5

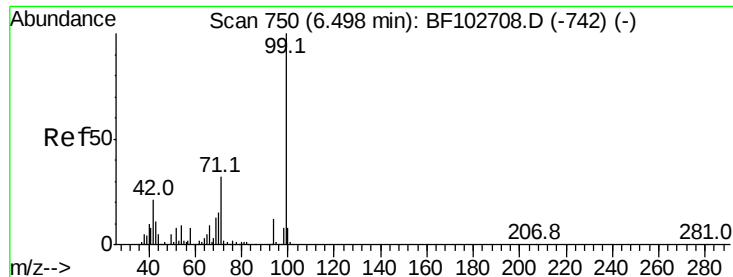
2-Fluorophenol
Concen: 107.584 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF102789.D
Acq: 6 Feb 2018 17:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	47.9	71.9
63	32.4	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: 104.768 ng

RT: 6.51 min Scan# 752

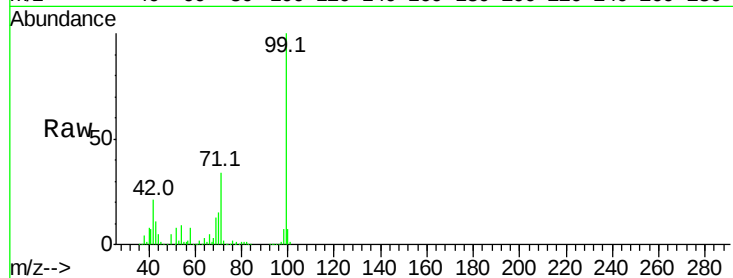
Delta R.T. 0.01 min

Lab File: BF102789.D

Acq: 6 Feb 2018 17:34

Tot Ion: 99 Resp: 1695378

Ion	Ratio	Lower	Upper
99	100		
42	20.6	14.5	21.7
71	33.8	25.4	38.0

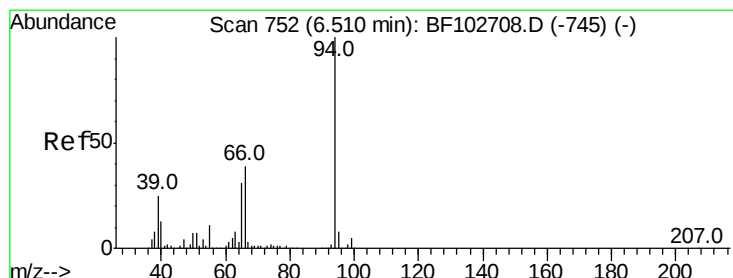
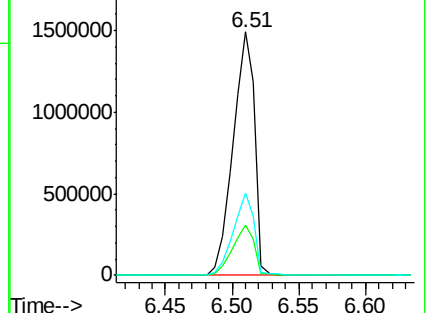
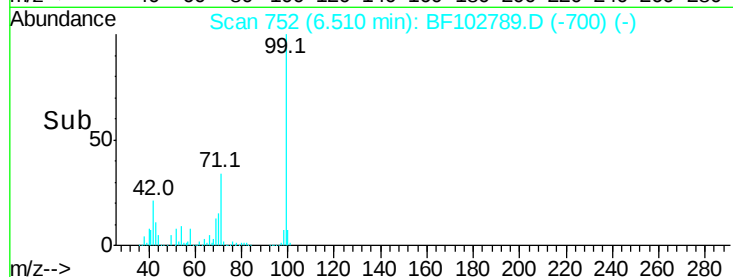


Abundance

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



#10

Phenol

Concen: 2.825 ng

RT: 6.52 min Scan# 754

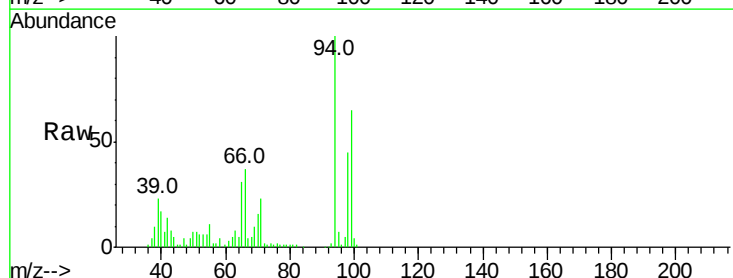
Delta R.T. 0.00 min

Lab File: BF102789.D

Acq: 6 Feb 2018 17:34

Tgt Ion: 94 Resp: 48984

Ion	Ratio	Lower	Upper
94	100		
65	30.8	7.9	47.9
66	37.4	16.2	56.2

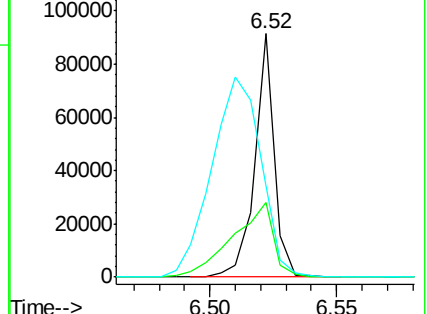
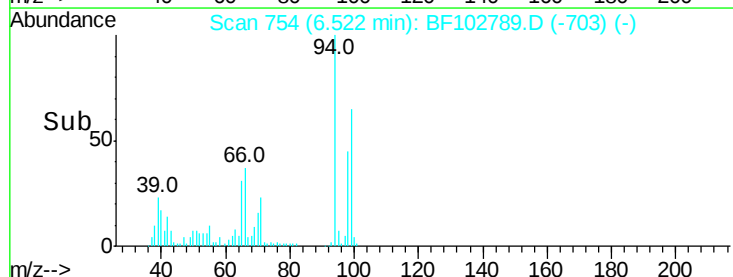


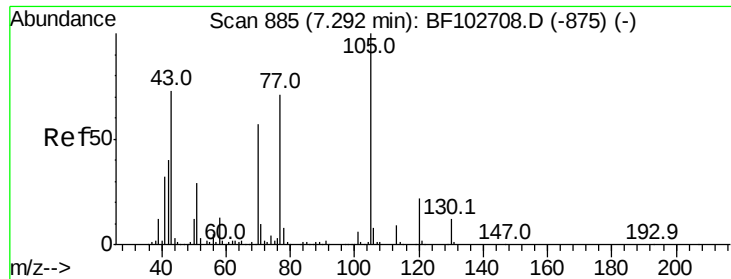
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 13.248 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

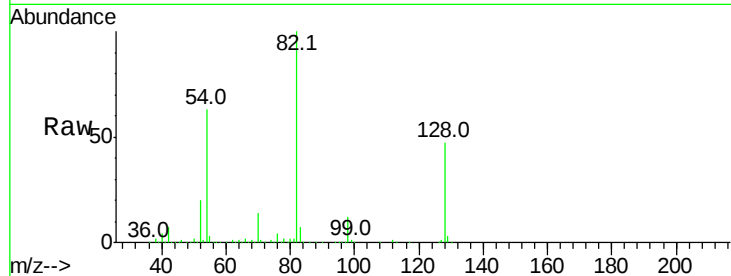
Lab File: BF102789.D

Acq: 6 Feb 2018 17:34

Tot Ion: 70 Resp: 141349

Ion Ratio Lower Upper

70	100		
42	53.2	47.5	71.3
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#

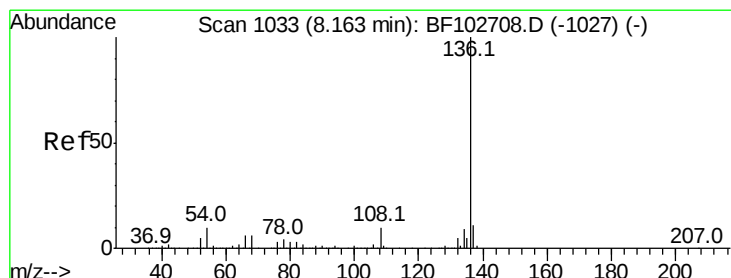
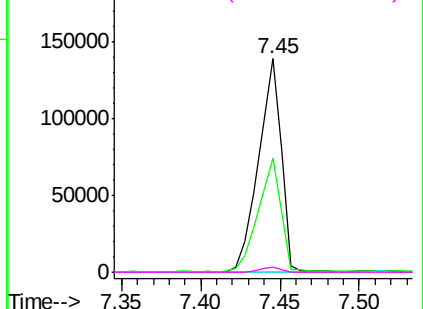
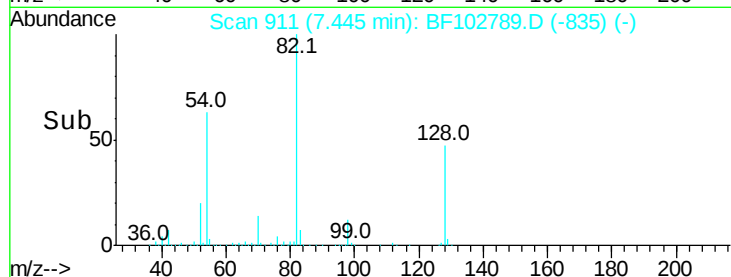


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.16 min Scan# 1033

Delta R.T. -0.01 min

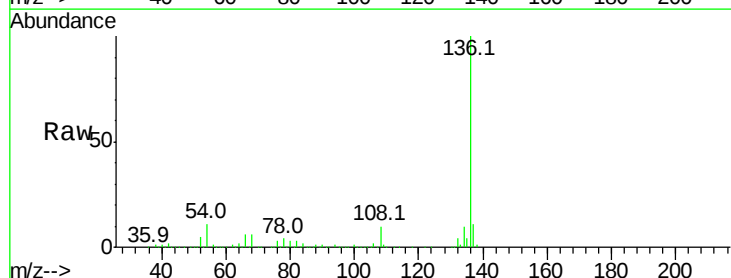
Lab File: BF102789.D

Acq: 6 Feb 2018 17:34

Tgt Ion: 136 Resp: 808054

Ion Ratio Lower Upper

136	100		
137	10.8	8.9	13.3
54	10.6	6.6	9.8#
68	6.4	5.0	7.4

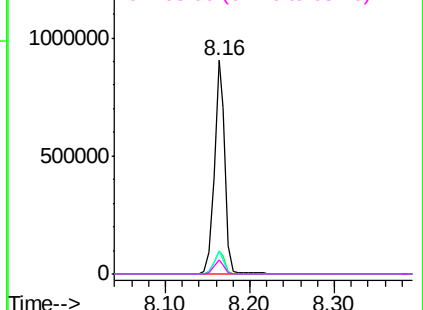
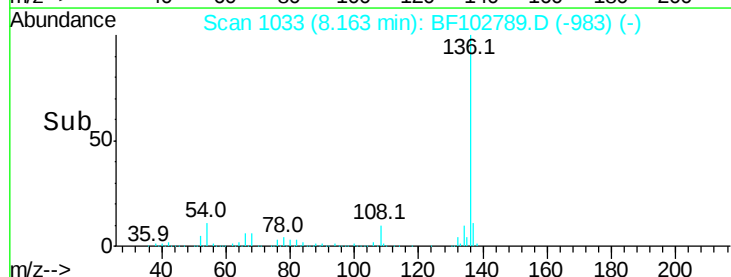


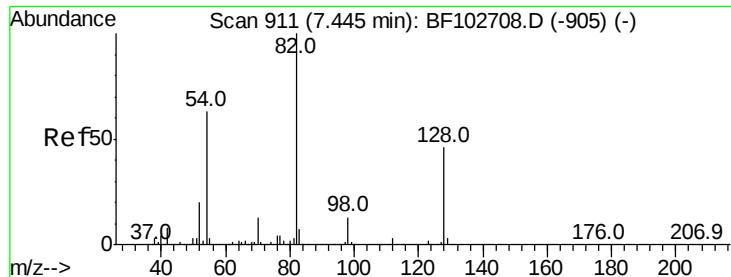
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

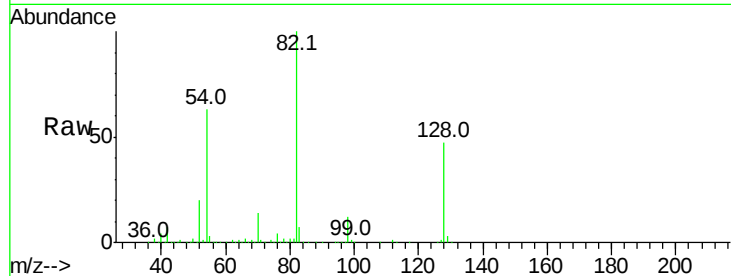




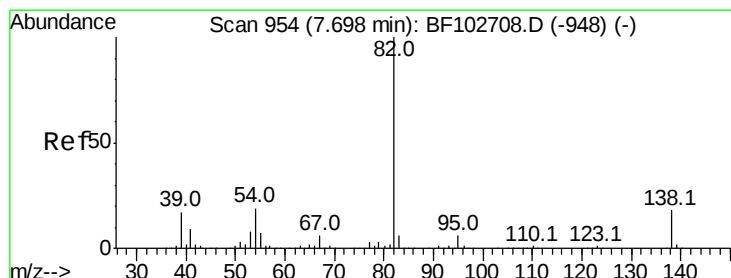
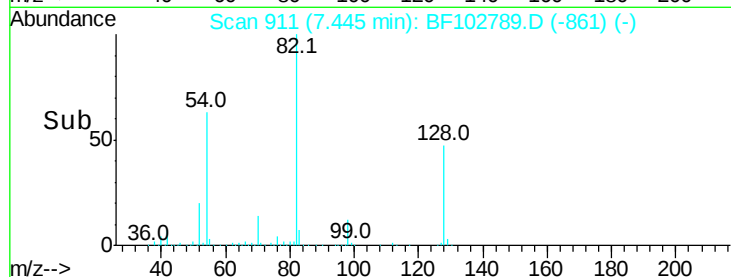
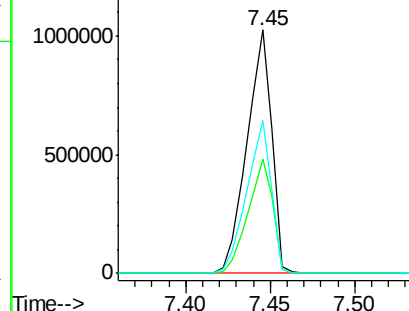
#23
Nitrobenzene-d5
Concen: 90.633 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102789.D
Acq: 6 Feb 2018 17:34

Tot Ion: 82 Resp: 1055723

Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.1	54.1
54	62.5	41.4	62.2#



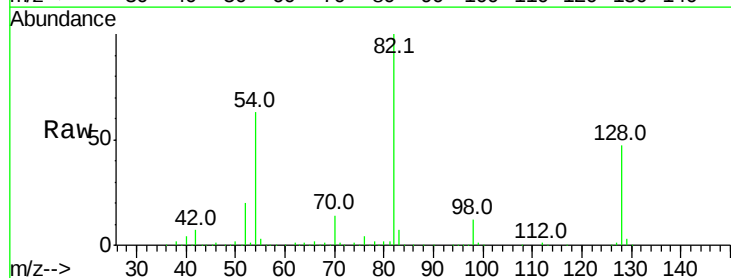
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



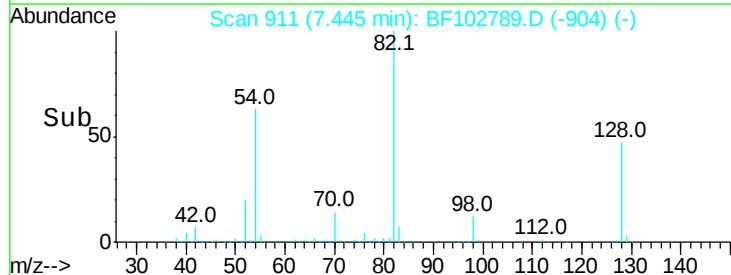
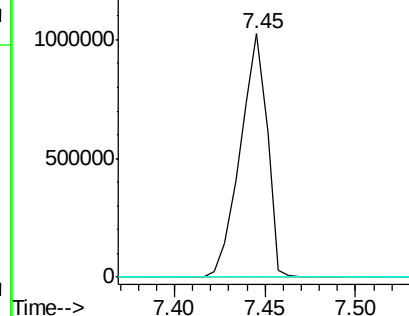
#25
Isophorone
Concen: 39.360 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF102789.D
Acq: 6 Feb 2018 17:34

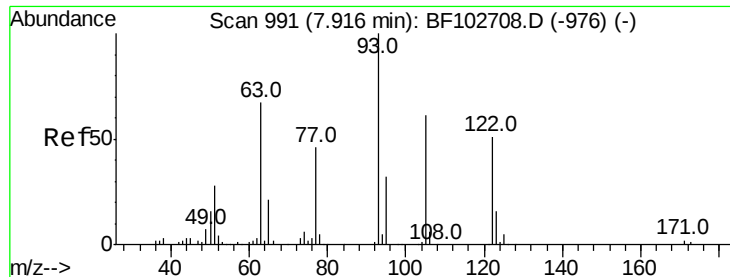
Tgt Ion: 82 Resp: 1055709

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





#32

Benzoic acid

Concen: 9.216 ng

RT: 7.85 min Scan# 979

Delta R.T. -0.09 min

Lab File: BF102789.D

Acq: 6 Feb 2018 17:34

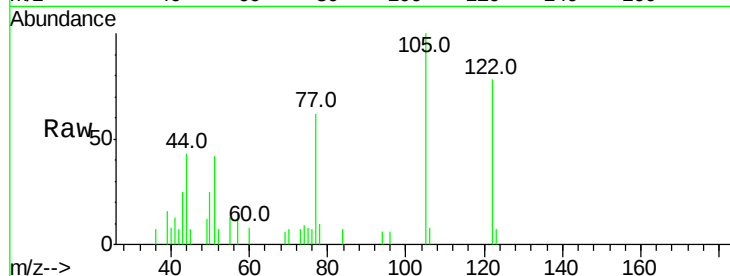
Tot Ion:122 Resp: 5571

Ion Ratio Lower Upper

122 100

105 128.4 101.1 141.1

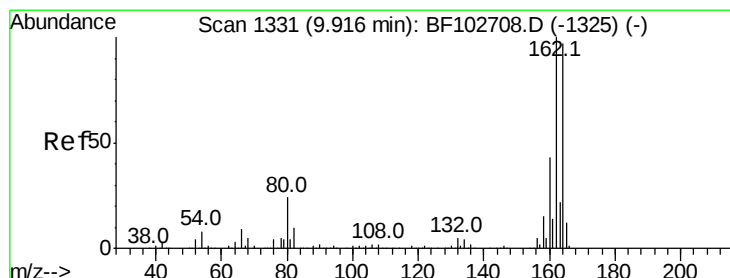
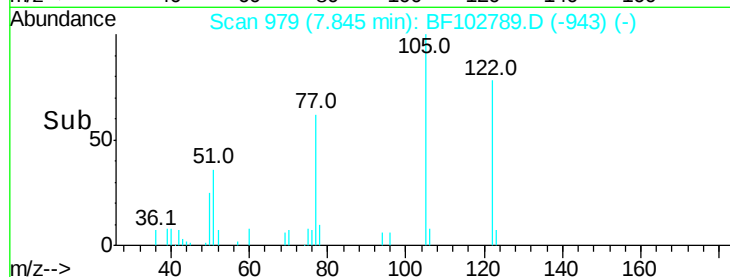
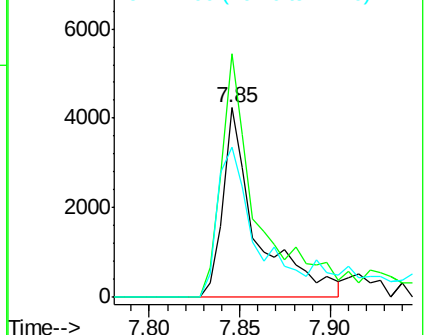
77 79.2 70.7 110.7



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# 1332

Delta R.T. 0.00 min

Lab File: BF102789.D

Acq: 6 Feb 2018 17:34

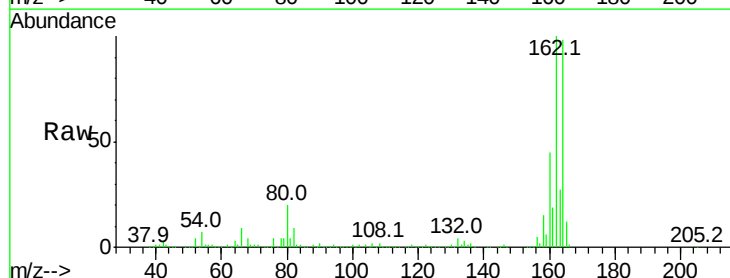
Tgt Ion:164 Resp: 328274

Ion Ratio Lower Upper

164 100

162 102.1 86.1 129.1

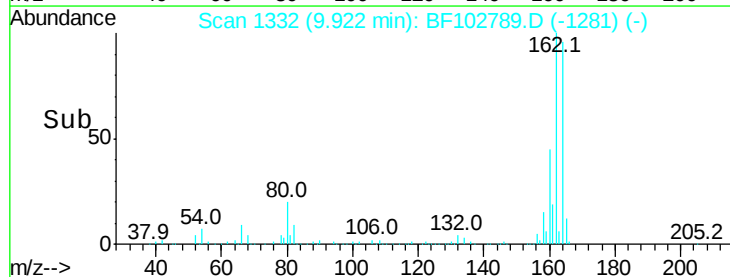
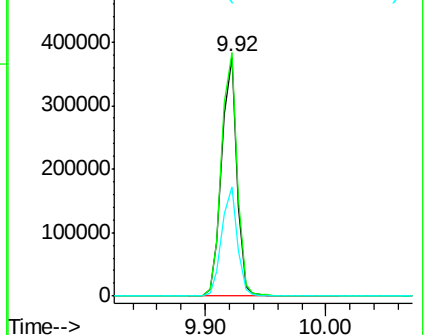
160 45.8 38.3 57.5

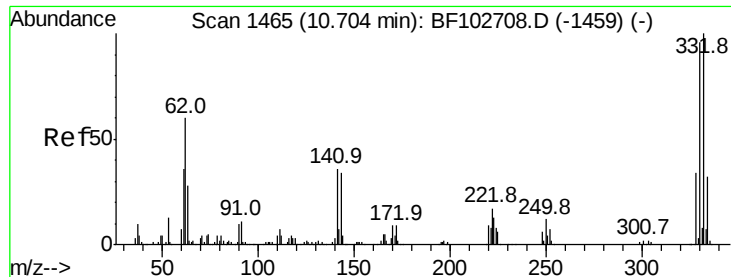


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

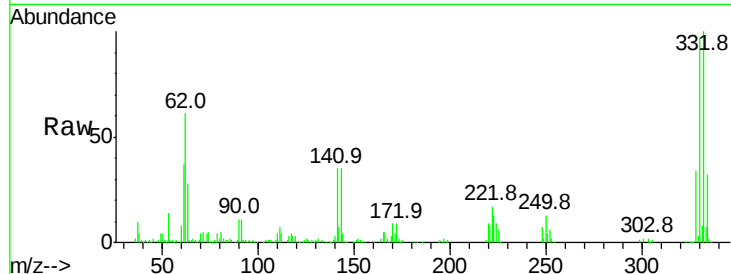
Ion 160.00 (159.70 to 160.70): E



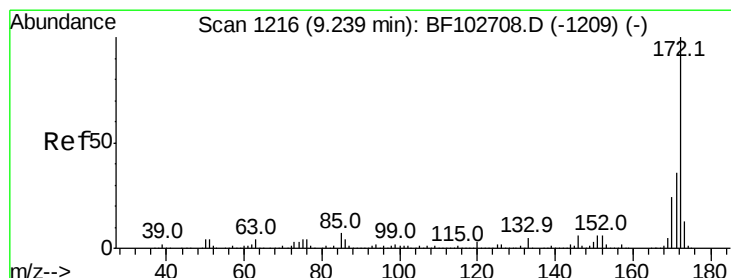
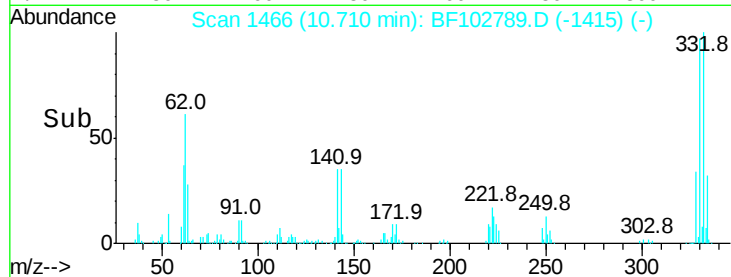
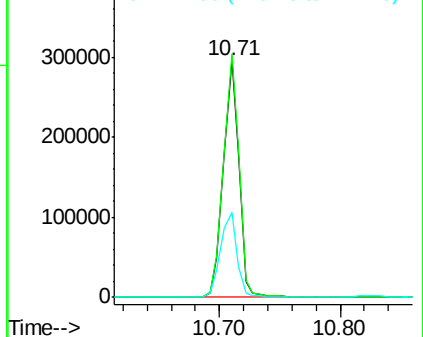


#41
 2,4,6-Tribromophenol
 Concen: 101.001 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF102789.D
 Acq: 6 Feb 2018 17:34

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.7	77.0	115.6
141	38.0	29.9	44.9

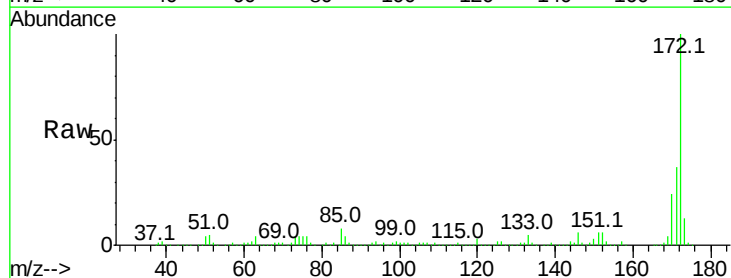


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

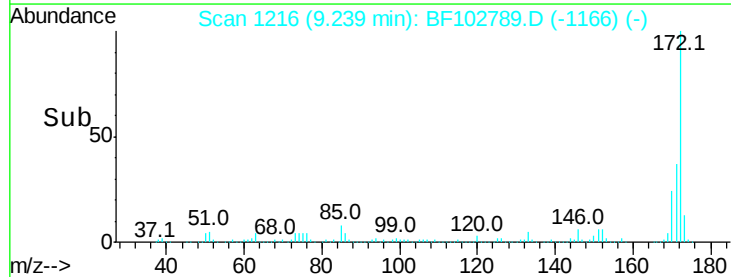
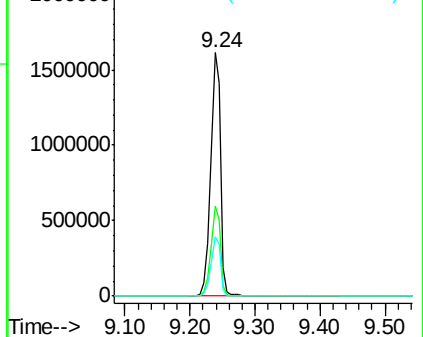


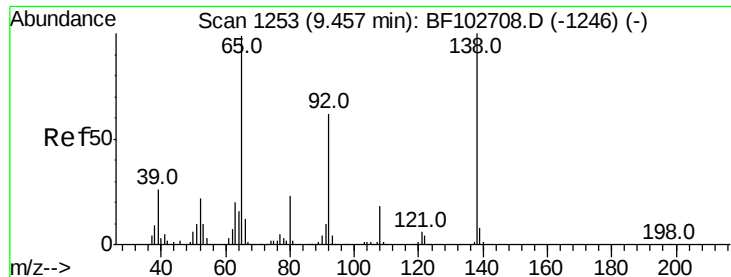
#44
 2-Fluorobiphenyl
 Concen: 85.069 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102789.D
 Acq: 6 Feb 2018 17:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	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





#47

2-Nitroaniline

Concen: 3.490 ng

RT: 9.56 min Scan# 1271

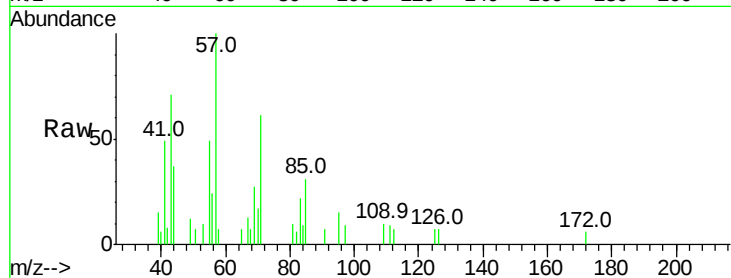
Delta R.T. 0.10 min

Lab File: BF102789.D

Acq: 6 Feb 2018 17:34

Tot Ion: 65 Resp: 126

Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.8	83.6#
138	0.0	91.2	136.8#

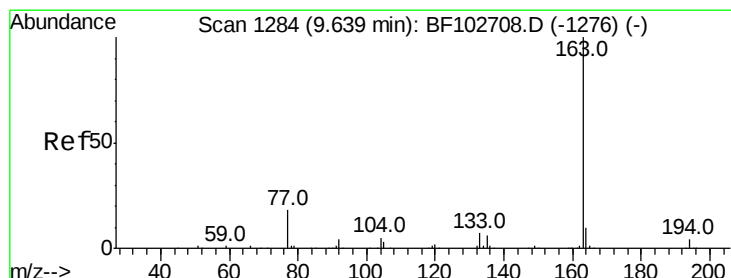
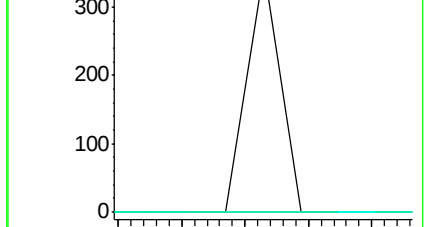
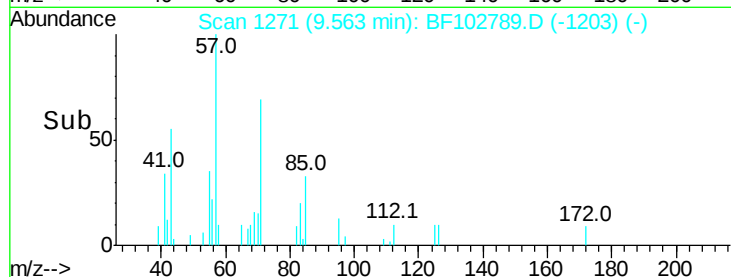


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time--> 9.54 9.55 9.56 9.57 9.58



#49

Dimethylphthalate

Concen: 7.858 ng

RT: 9.63 min Scan# 1282

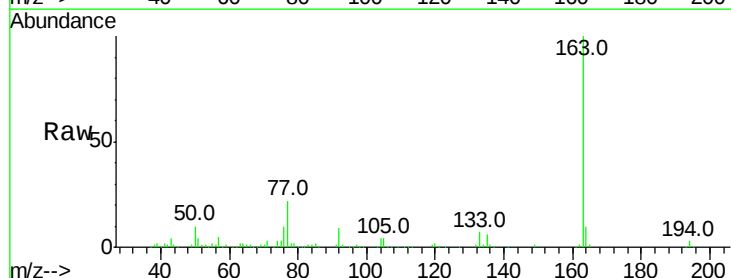
Delta R.T. -0.02 min

Lab File: BF102789.D

Acq: 6 Feb 2018 17:34

Tgt Ion: 163 Resp: 201127

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.1	8.2	12.2

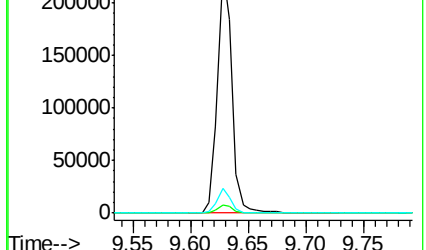
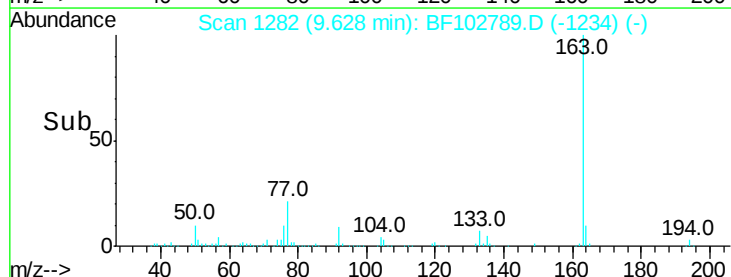


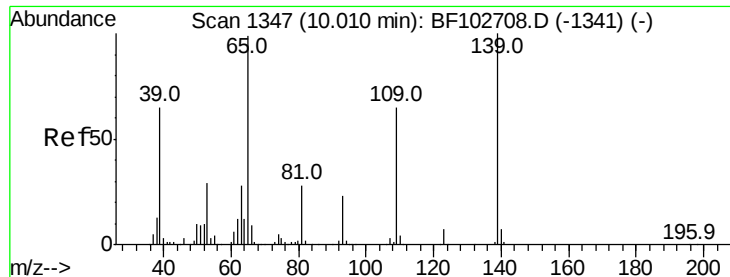
Abundance Ion 163.00 (162.70 to 163.70): BF1

Ion 194.00 (193.70 to 194.70): BF1

Ion 164.00 (163.70 to 164.70): BF1

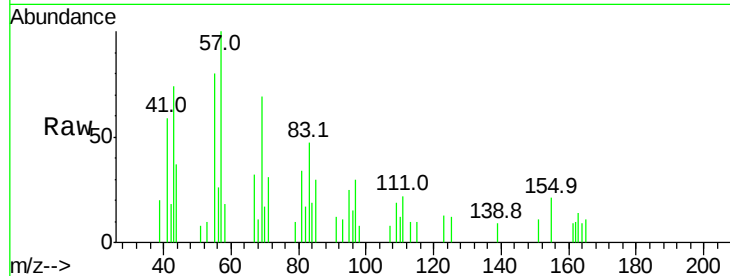
Time--> 9.55 9.60 9.65 9.70 9.75



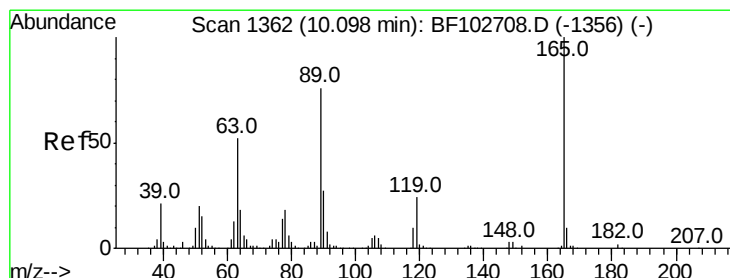
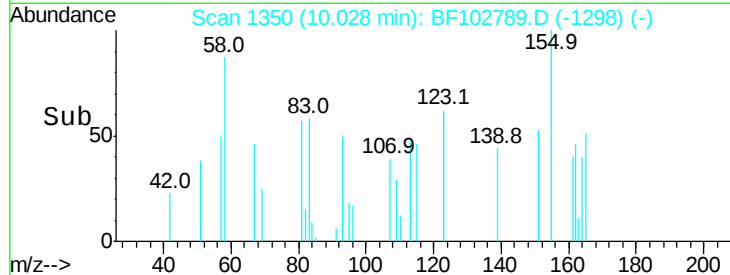
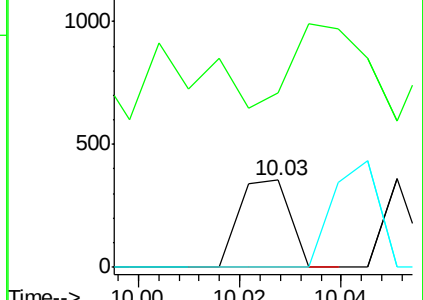


#55
4-Nitrophenol
Concen: 4.071 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BF102789.D
Acq: 6 Feb 2018 17:34

Tot Ion:139 Resp: 245
Ion Ratio Lower Upper
139 100
109 200.0 48.4 88.4#
65 0.0 72.6 112.6#

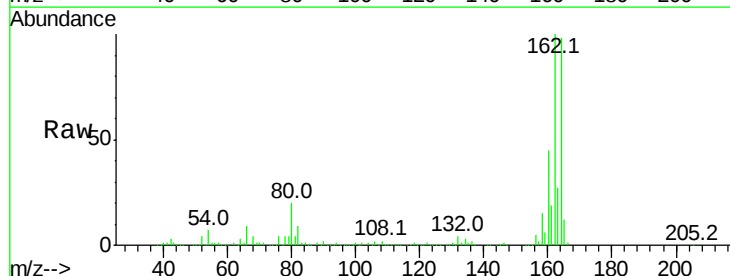


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

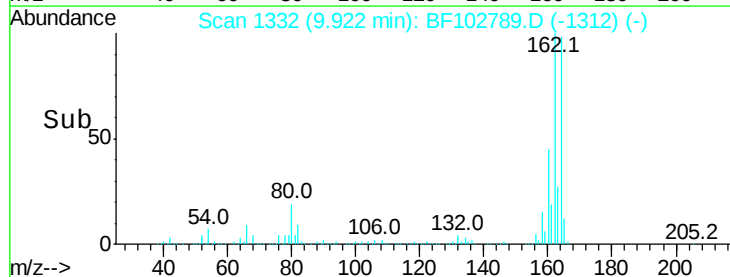
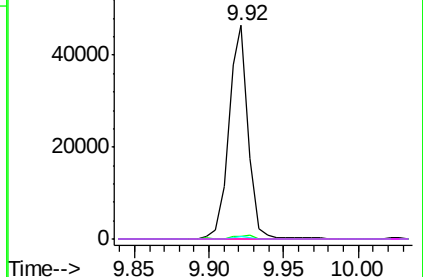


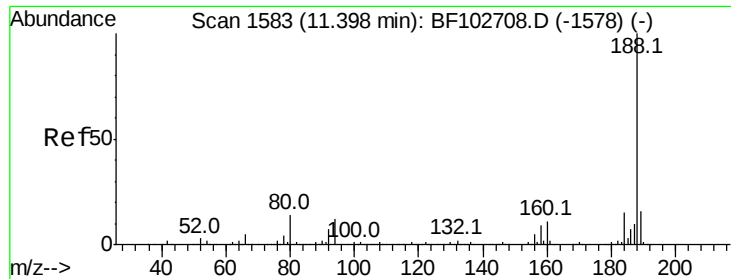
#56
2,4-Dinitrotoluene
Concen: 9.211 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.18 min
Lab File: BF102789.D
Acq: 6 Feb 2018 17:34

Tgt Ion:165 Resp: 42815
Ion Ratio Lower Upper
165 100
63 1.2 36.4 54.6#
89 1.3 57.8 86.6#
182 0.0 1.6 2.4#



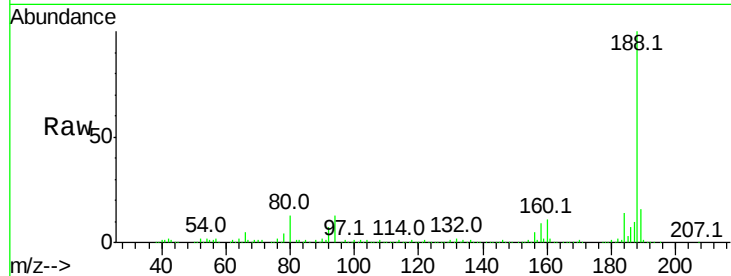
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF102789.D
 Acq: 6 Feb 2018 17:34

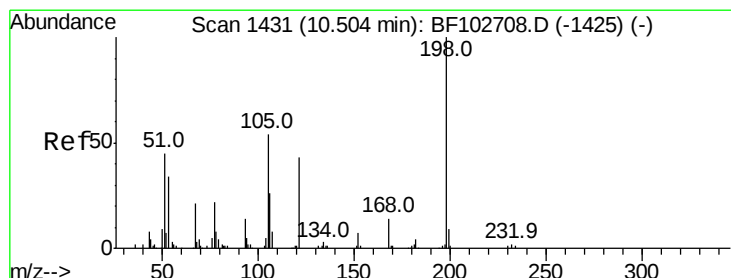
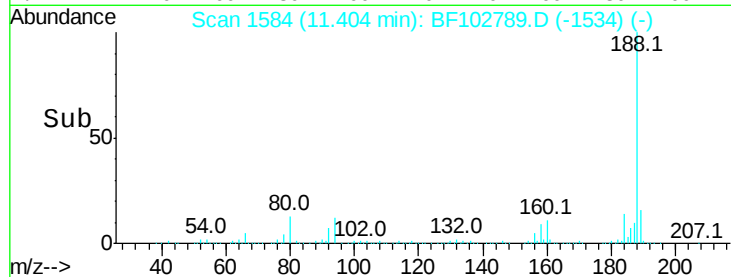
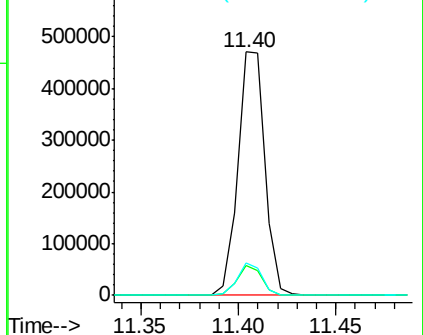
Tot Ion	Ratio	Lower	Upper
188	100		
94	12.5	8.5	12.7
80	13.1	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E

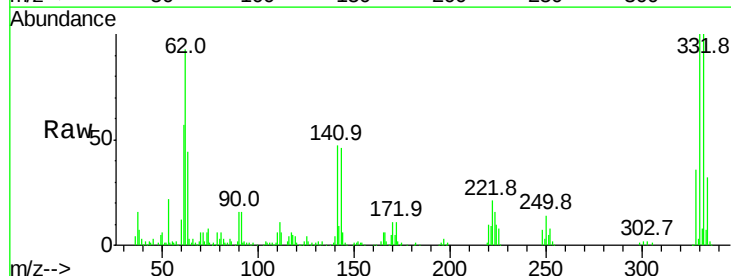
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.131 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.19 min
 Lab File: BF102789.D
 Acq: 6 Feb 2018 17:34

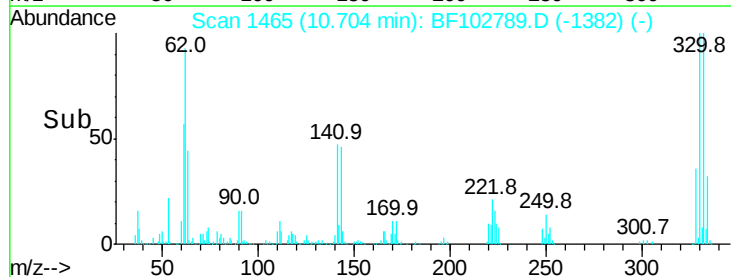
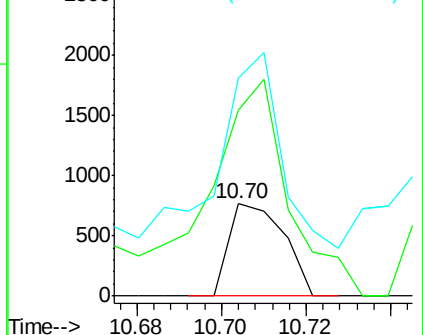
Tgt Ion	Ratio	Lower	Upper
198	100		
51	201.3	37.7	77.7#
105	236.8	36.3	76.3#

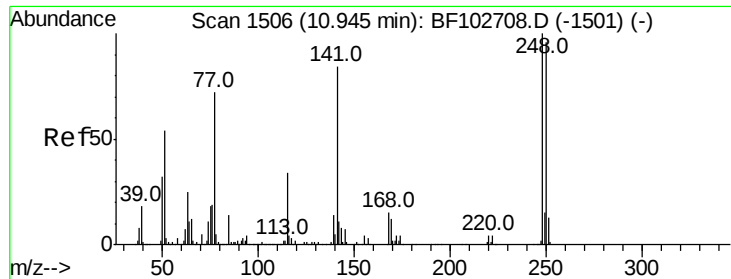


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

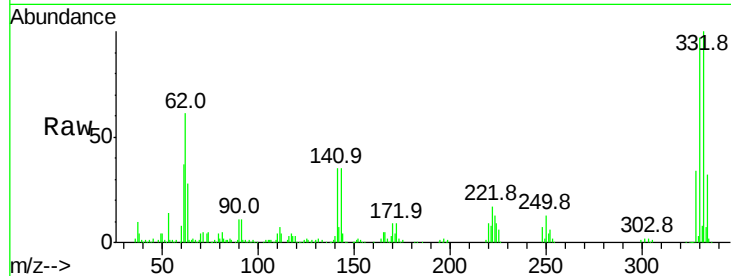
Ion 105.00 (104.70 to 105.70): E



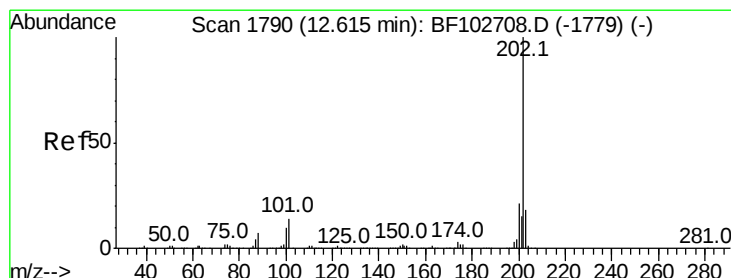
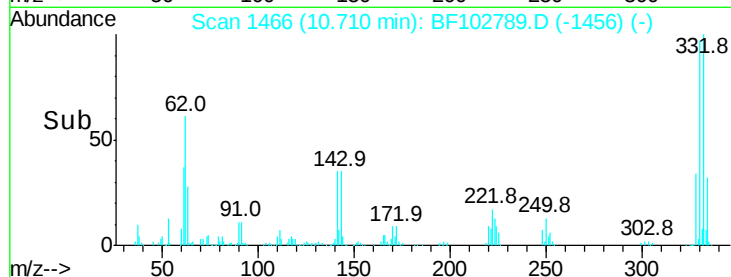
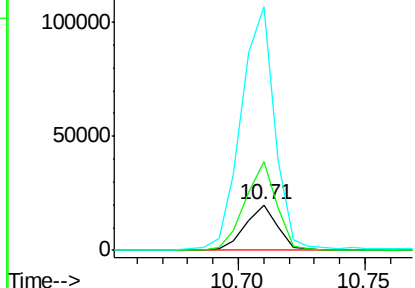


#66
 4-Bromophenyl-phenylether
 Concen: 3.722 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF102789.D
 Acq: 6 Feb 2018 17:34

Tot Ion	Ratio	Lower	Upper
248	100		
250	195.5	76.9	115.3#
141	536.6	74.4	111.6#

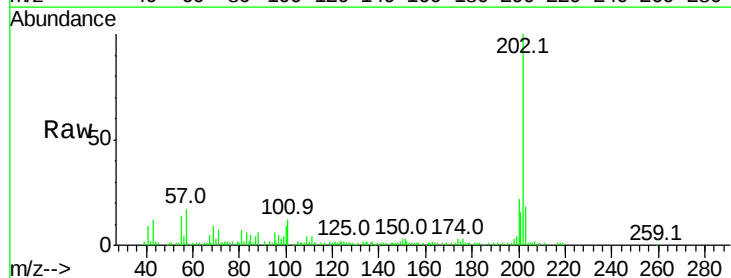


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

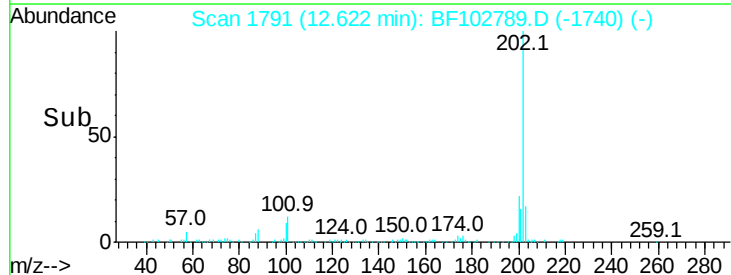
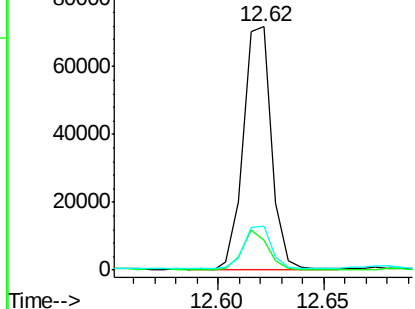


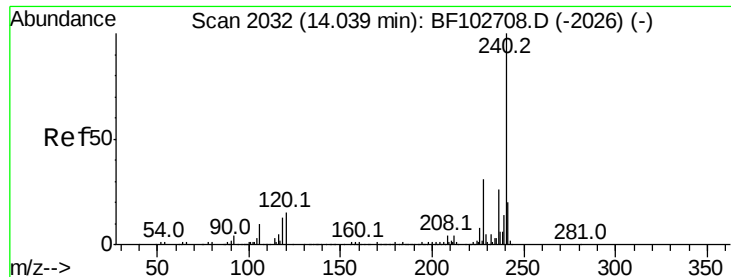
#74
 Fluoranthene
 Concen: 2.659 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: BF102789.D
 Acq: 6 Feb 2018 17:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	34.1
203	18.1	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: BF102789.D

Acq: 6 Feb 2018 17:34

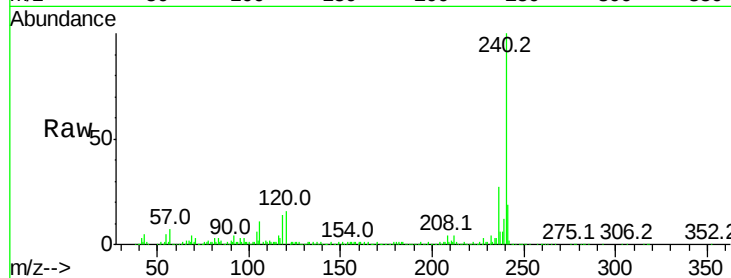
Tot Ion:240 Resp: 357489

Ion Ratio Lower Upper

240 100

120 16.3 9.5 14.3#

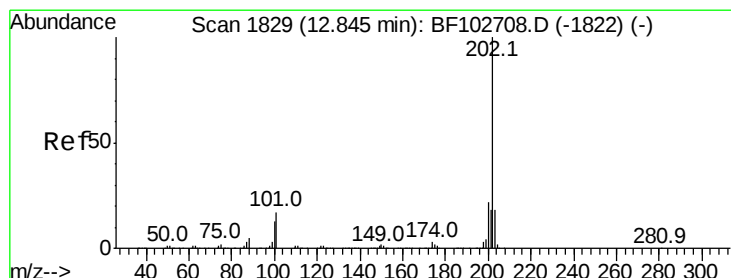
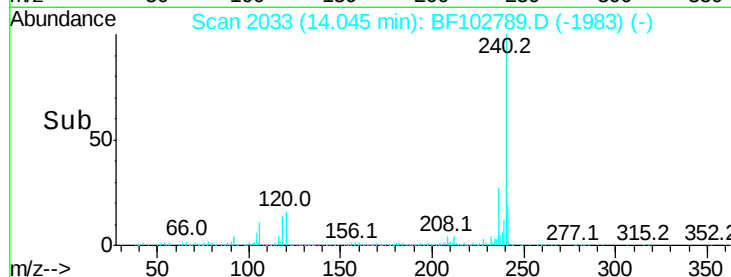
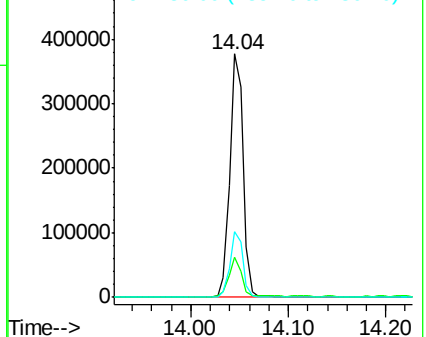
236 26.8 20.7 31.1



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: 2.221 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF102789.D

Acq: 6 Feb 2018 17:34

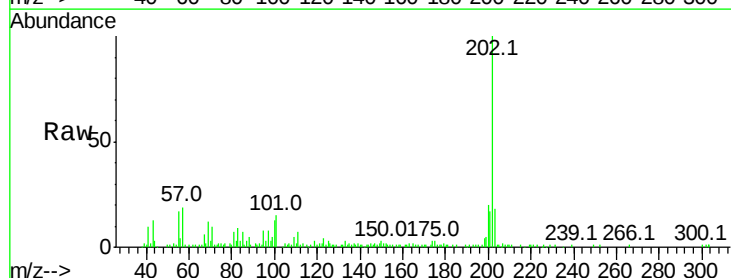
Tgt Ion:202 Resp: 62261

Ion Ratio Lower Upper

202 100

200 19.8 17.4 26.2

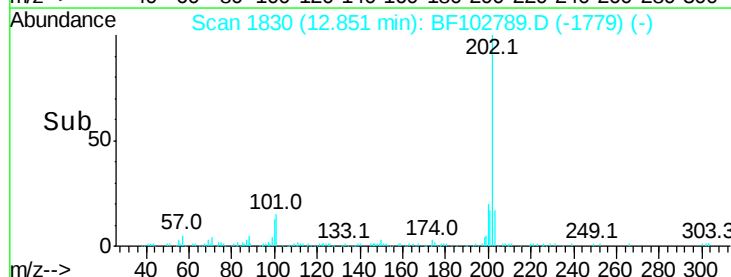
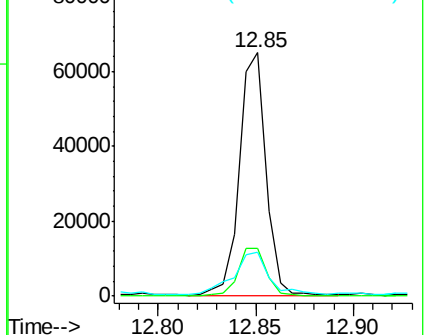
203 18.0 14.3 21.5

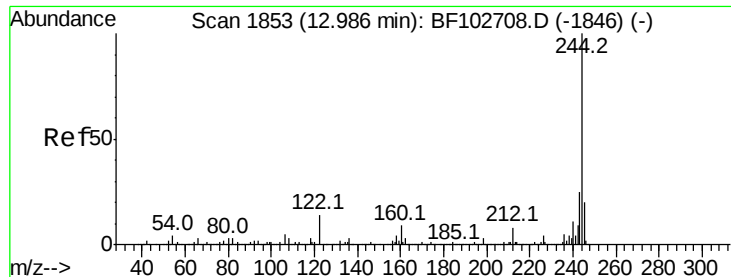


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

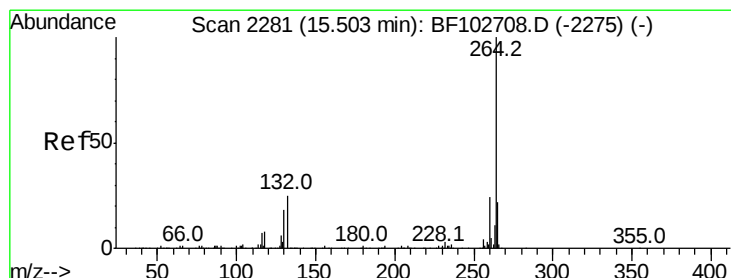
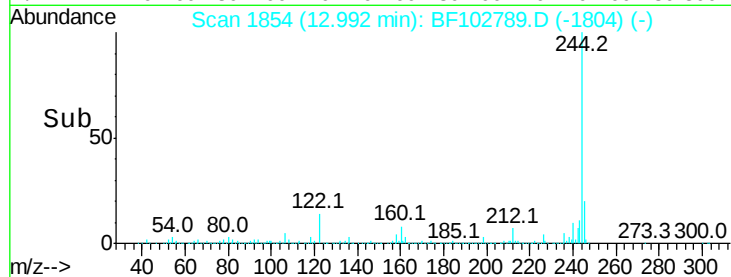
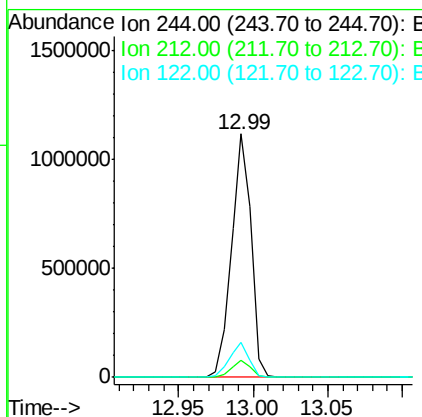
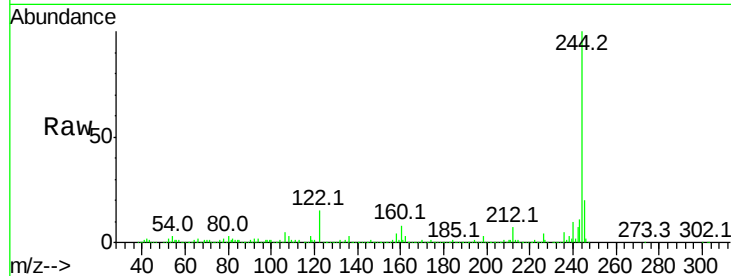




#78
 Terphenyl-d14
 Concen: 68.629 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF102789.D
 Acq: 6 Feb 2018 17:34

Tot Ion:244 Resp: 1036172

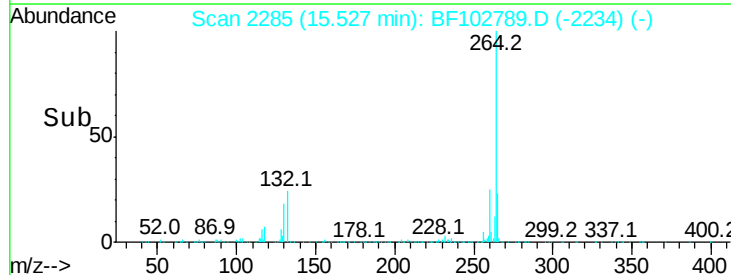
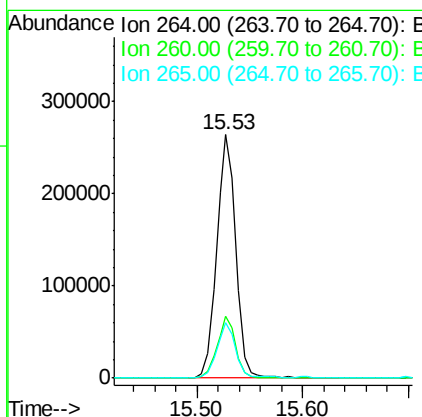
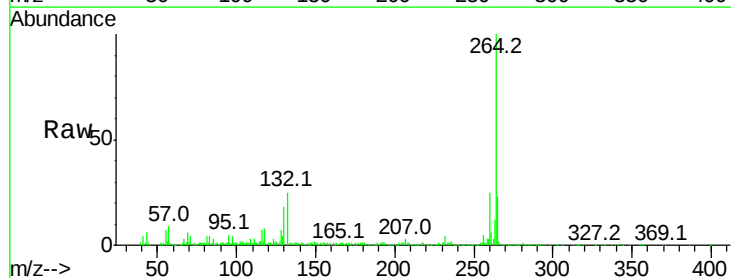
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	14.5	11.0	16.4

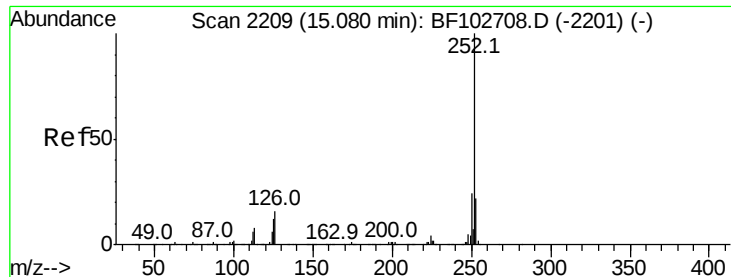


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: BF102789.D
 Acq: 6 Feb 2018 17:34

Tgt Ion:264 Resp: 333798

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	22.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 3.005 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BF102789.D

Acq: 6 Feb 2018 17:34

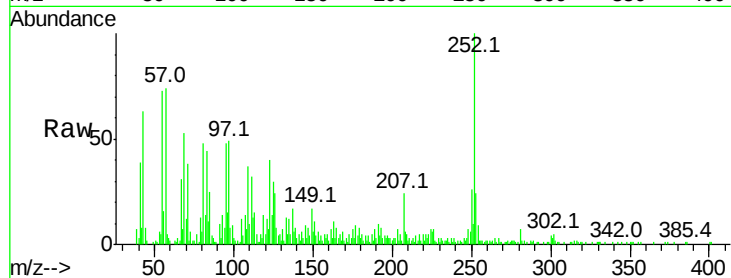
Tot Ion:252 Resp: 65037

Ion Ratio Lower Upper

252 100

253 23.9 17.0 25.6

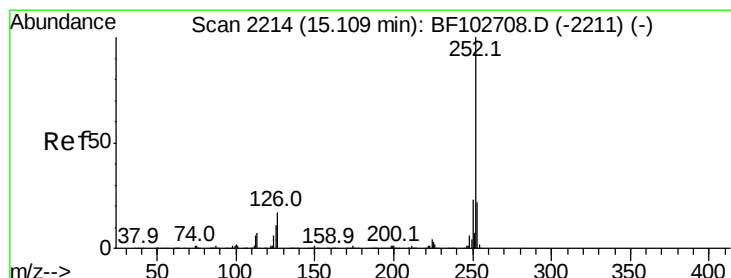
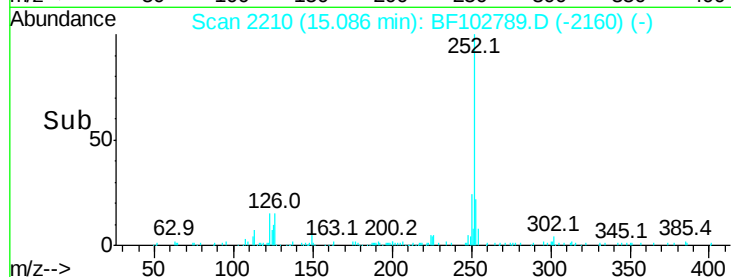
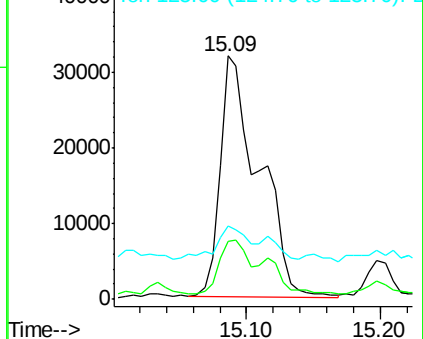
125 30.2 9.0 13.6#



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: 3.145 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.04 min

Lab File: BF102789.D

Acq: 6 Feb 2018 17:34

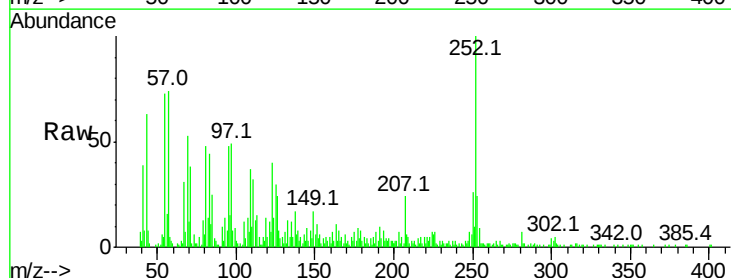
Tgt Ion:252 Resp: 65037

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

125 30.2 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

