

Data Path : U:\HPCHEM1\BNA F\DATA\BF020618\
 Data File : BF102787.D
 Acq On : 6 Feb 2018 16:40
 Operator : SJ/JU
 Sample : J1454-18
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 06 18:20:08 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	192011	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	765823	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	293807	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	397722	20.00	ng	0.00
75) Chrysene-d12	14.04	240	351378	20.00	ng	0.00
86) Perylene-d12	15.53	264	319598	20.00	ng	0.00

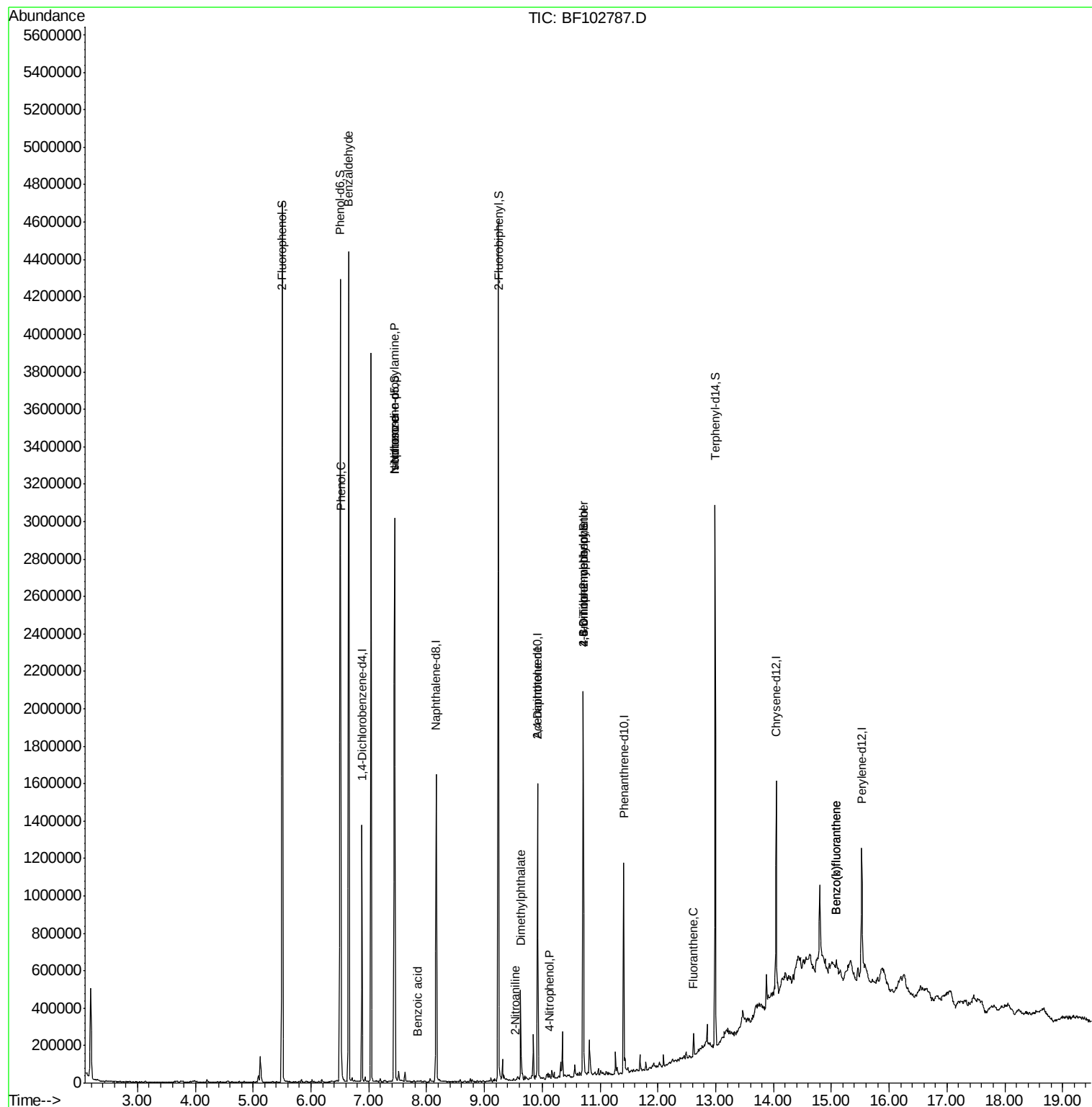
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1358168	107.42	ng	0.01
7) Phenol-d6	6.51	99	1572829	103.32	ng	0.00
23) Nitrobenzene-d5	7.45	82	965807	87.49	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	221407	93.63	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1477556	83.45	ng	0.00
78) Terphenyl-d14	12.99	244	941918	63.47	ng	0.00

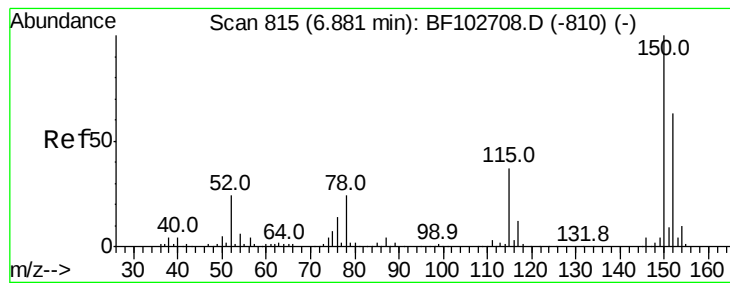
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.65	77	27931	2.471	ng	82
10) Phenol	6.52	94	77452	4.747	ng	98
19) n-Nitroso-di-n-propylamine	7.45	70	128431	12.795	ng	# 84
25) Isophorone	7.45	82	965798	37.993	ng	# 64
32) Benzoic acid	7.85	122	910	8.659	ng	# 85
47) 2-Nitroaniline	9.53	65	120	3.491	ng	# 2
49) Dimethylphthalate	9.63	163	184883	8.070	ng	98
55) 4-Nitrophenol	10.12	139	413	4.113	ng	# 43
56) 2,4-Dinitrotoluene	9.92	165	38579	9.253	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	506	9.075	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	14243	3.385	ng	# 1
74) Fluoranthene	12.62	202	47295	2.122	ng	98
87) Benzo(b)fluoranthene	15.09	252	45222	2.182	ng	# 69
88) Benzo(k)fluoranthene	15.09	252	45222	2.284	ng	# 71

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

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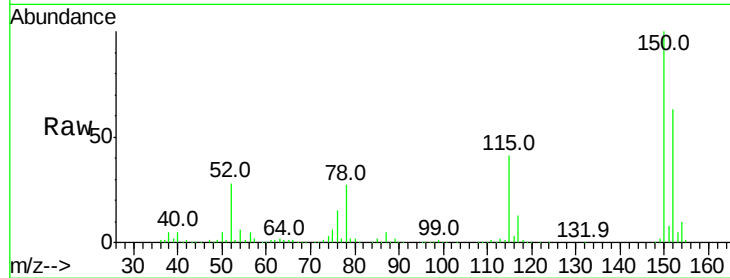




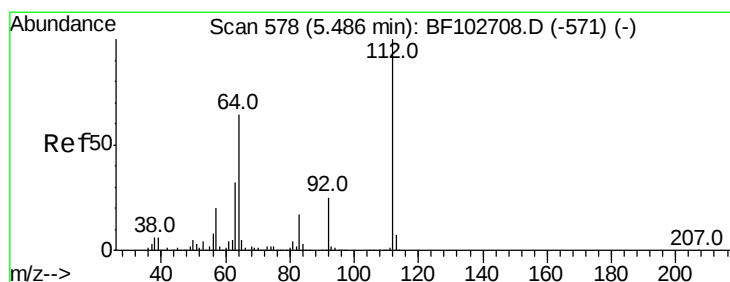
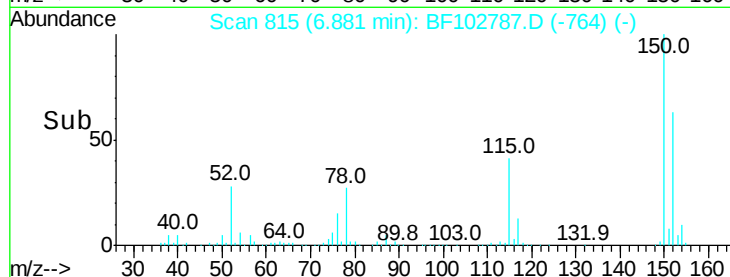
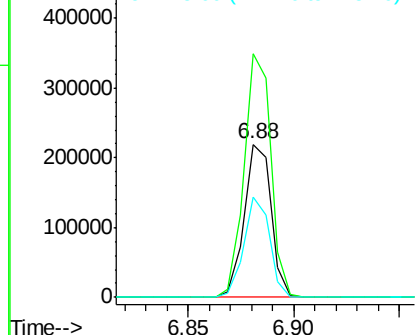
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102787.D
Acq: 6 Feb 2018 16:40

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.6	186.8
115	65.3	50.1	75.1



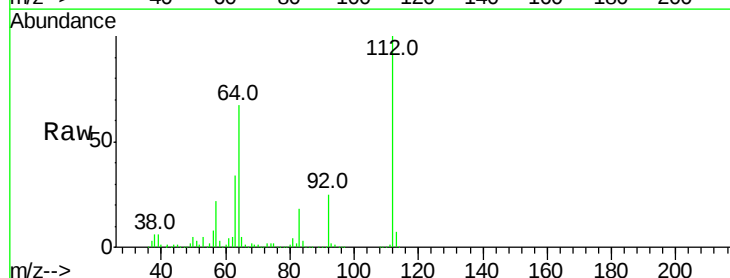
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



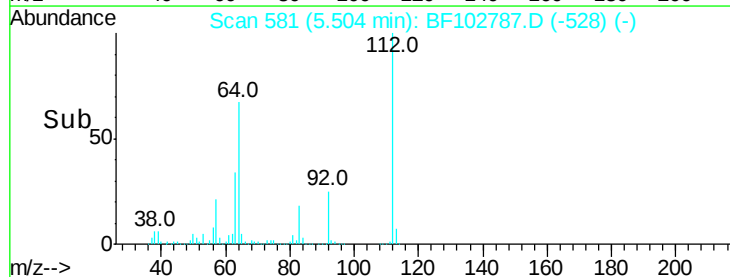
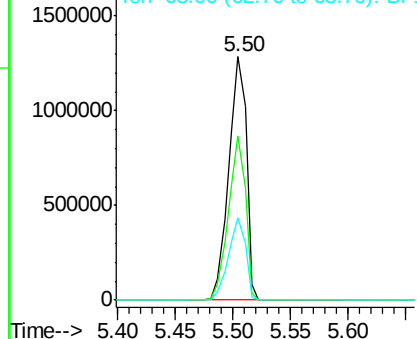
#5

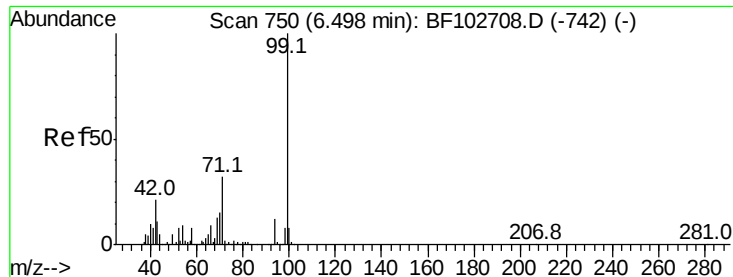
2-Fluorophenol
Concen: 107.421 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102787.D
Acq: 6 Feb 2018 16:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	47.9	71.9
63	33.6	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: 103.316 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102787.D

Acq: 6 Feb 2018 16:40

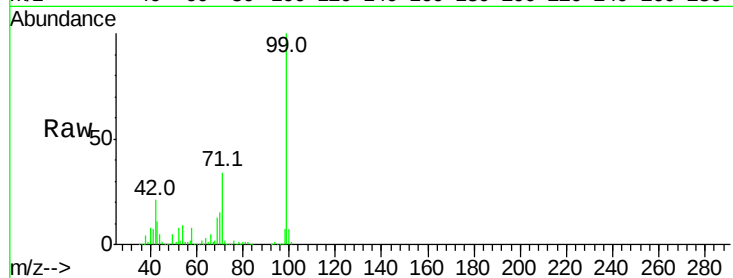
Tot Ion: 99 Resp: 1572829

Ion Ratio Lower Upper

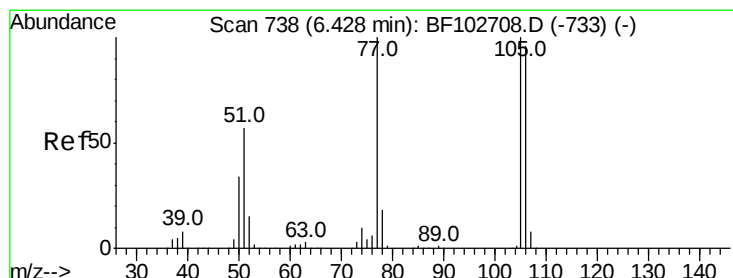
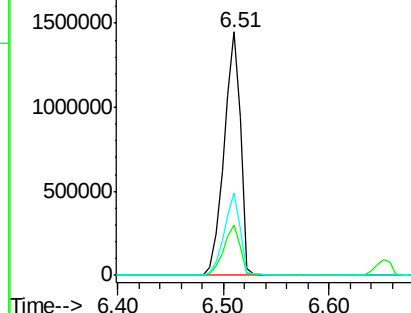
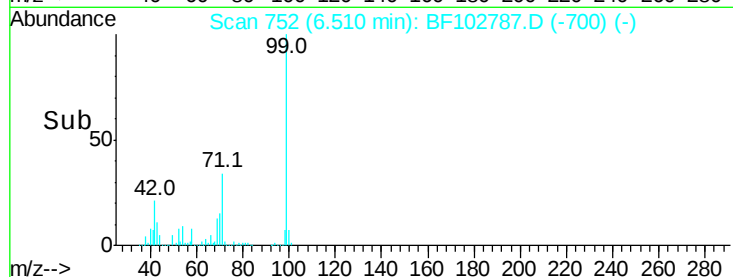
99 100

42 20.6 14.5 21.7

71 34.0 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



#9

Benzaldehyde

Concen: 2.471 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.22 min

Lab File: BF102787.D

Acq: 6 Feb 2018 16:40

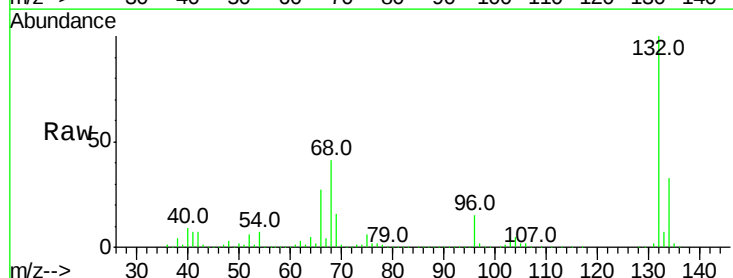
Tgt Ion: 77 Resp: 27931

Ion Ratio Lower Upper

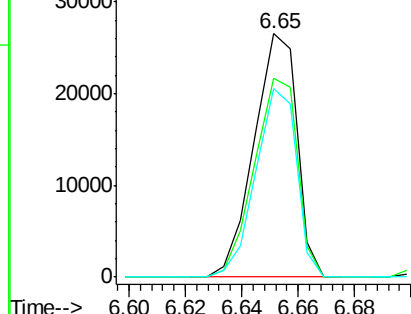
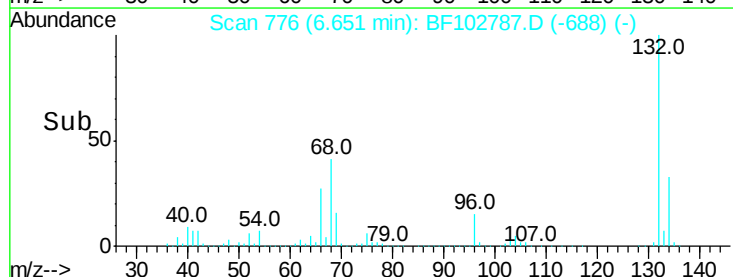
77 100

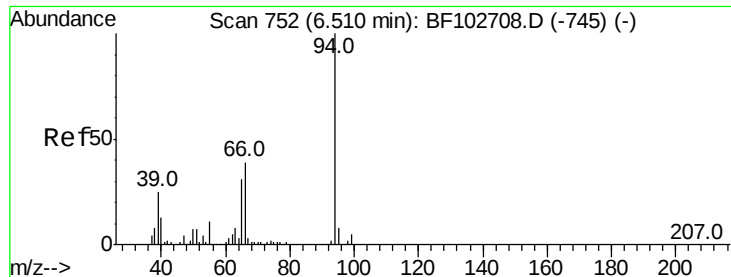
105 81.9 81.1 121.1

106 77.4 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 4.747 ng

RT: 6.52 min Scan# 754

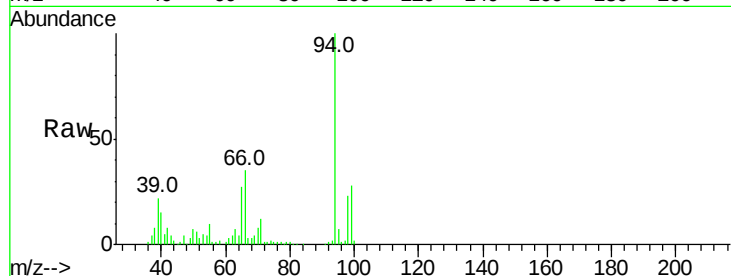
Delta R.T. 0.00 min

Lab File: BF102787.D

Acq: 6 Feb 2018 16:40

Tot Ion: 94 Resp: 77452

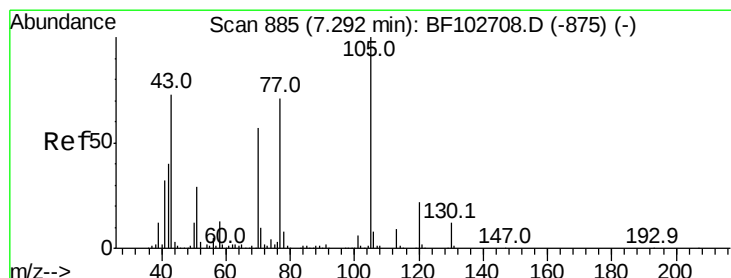
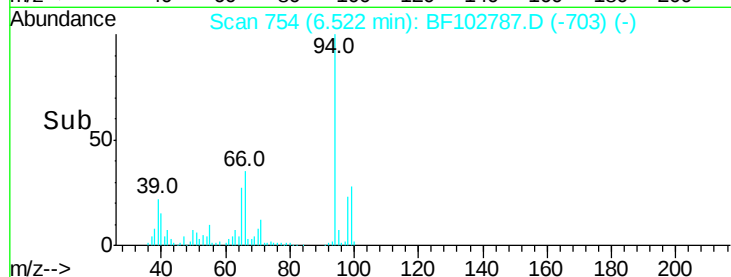
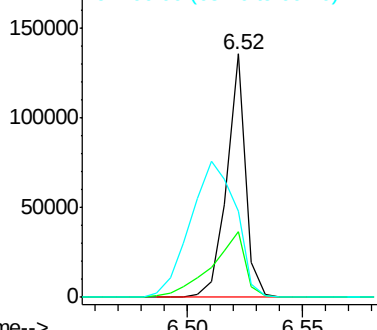
Ion	Ratio	Lower	Upper
94	100		
65	27.0	7.9	47.9
66	35.1	16.2	56.2



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: 12.795 ng

RT: 7.45 min Scan# 911

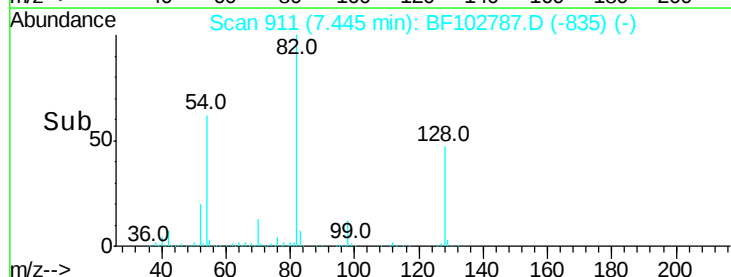
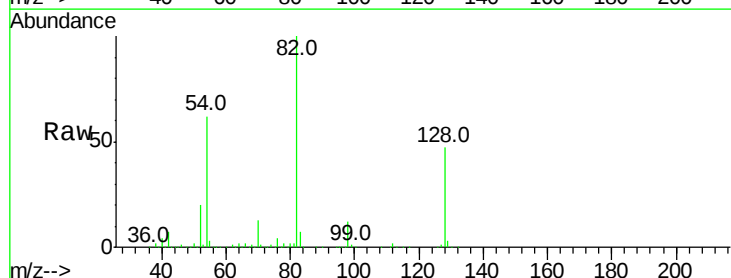
Delta R.T. 0.15 min

Lab File: BF102787.D

Acq: 6 Feb 2018 16:40

Tgt Ion: 70 Resp: 128431

Ion	Ratio	Lower	Upper
70	100		
42	54.5	47.5	71.3
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#

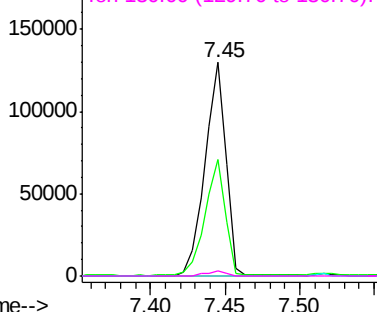


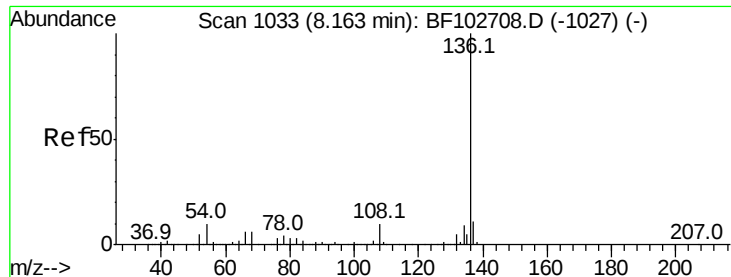
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

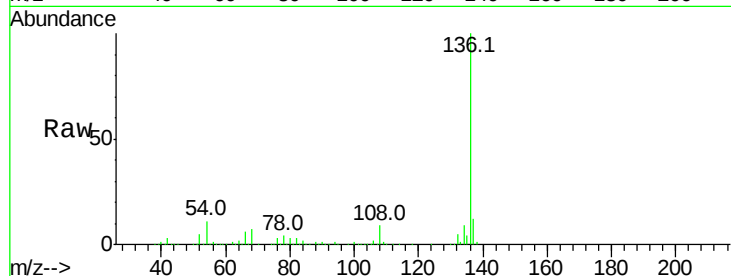
Delta R.T. -0.01 min

Lab File: BF102787.D

Acq: 6 Feb 2018 16:40

Tot Ion:136 Resp: 765823

Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.9	13.3
54	10.6	6.6	9.8#
68	6.6	5.0	7.4

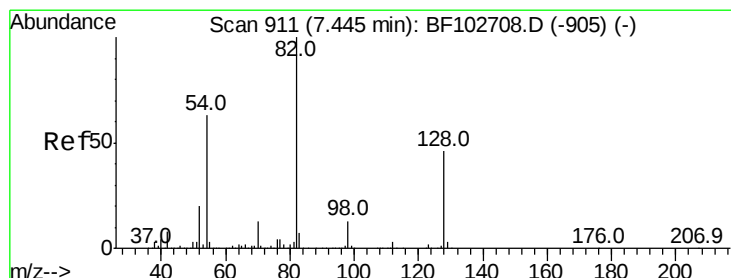
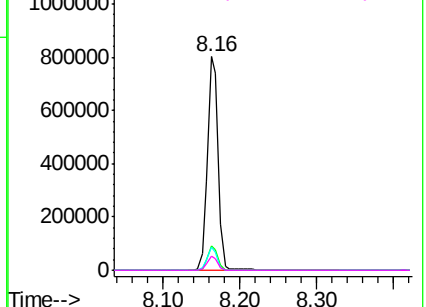
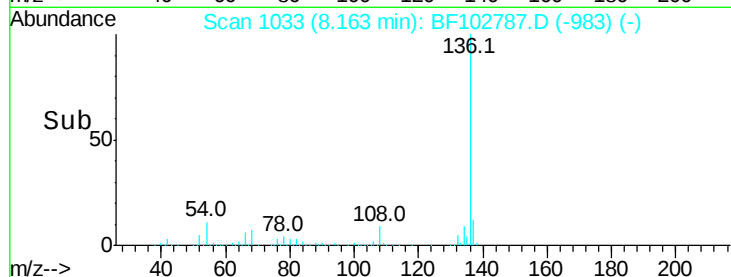


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.486 ng

RT: 7.45 min Scan# 911

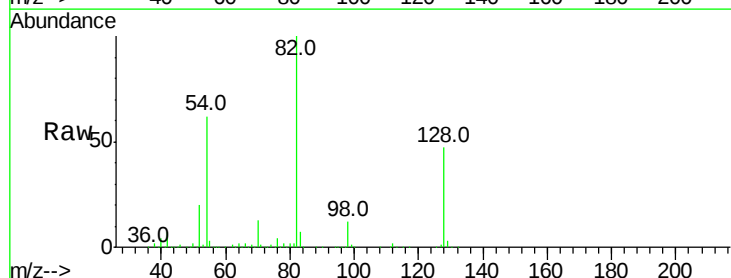
Delta R.T. -0.01 min

Lab File: BF102787.D

Acq: 6 Feb 2018 16:40

Tgt Ion: 82 Resp: 965807

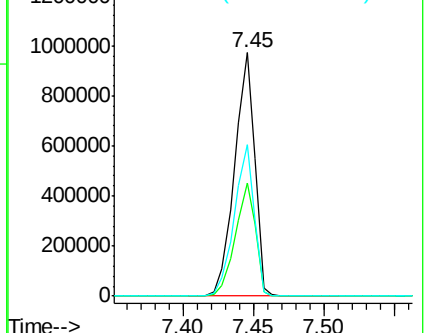
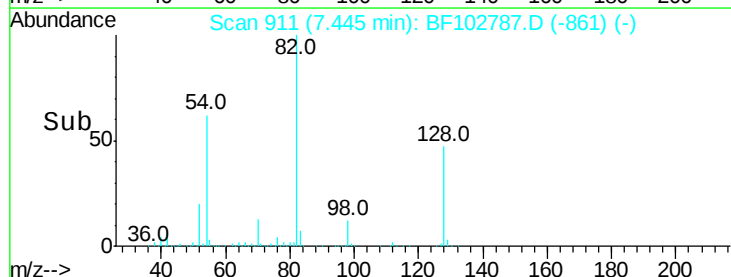
Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.1	54.1
54	62.0	41.4	62.2

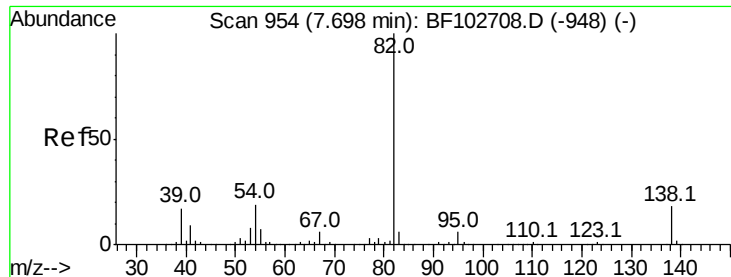


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.993 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102787.D

Acq: 6 Feb 2018 16:40

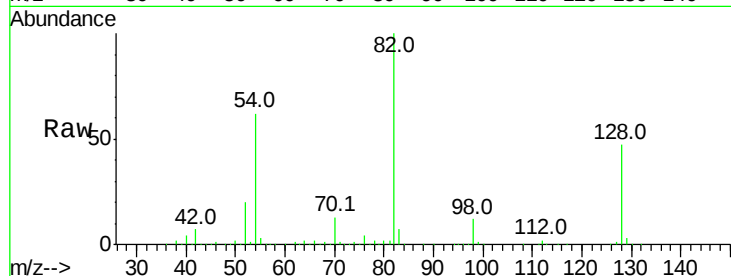
Tot Ion: 82 Resp: 965798

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

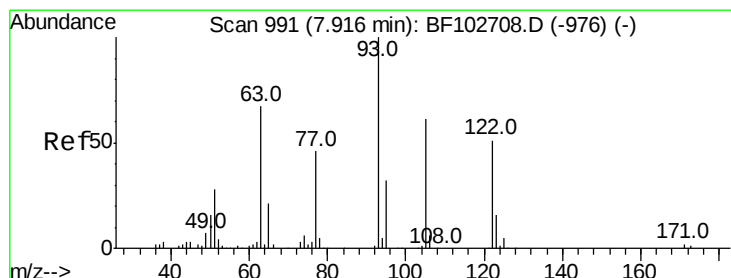
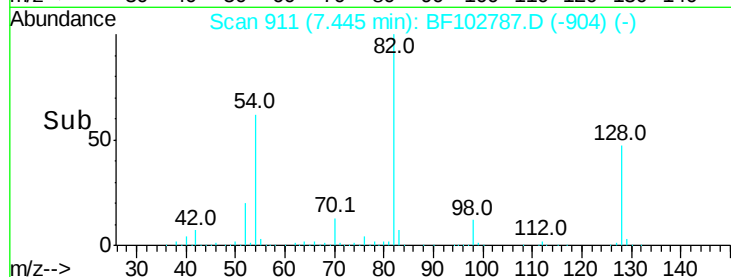
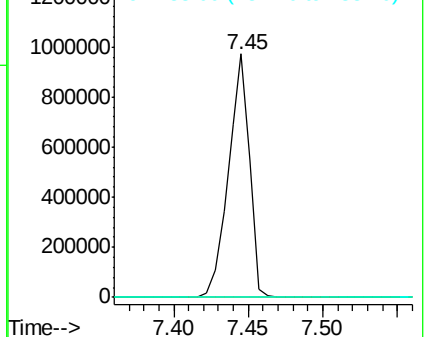
138 0.0 14.9 22.3#



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: 8.659 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.08 min

Lab File: BF102787.D

Acq: 6 Feb 2018 16:40

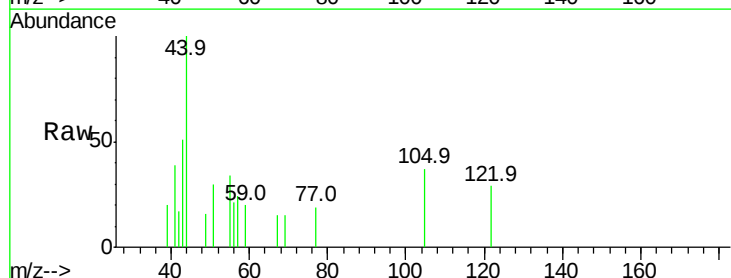
Tgt Ion: 122 Resp: 910

Ion Ratio Lower Upper

122 100

105 128.8 101.1 141.1

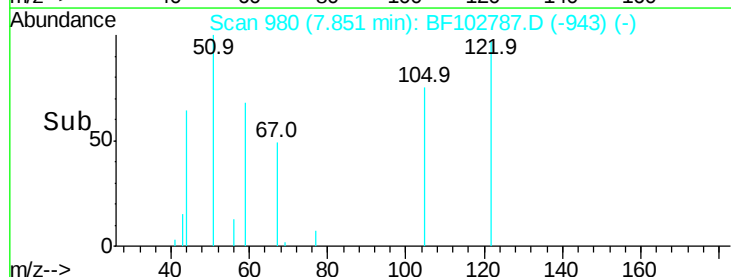
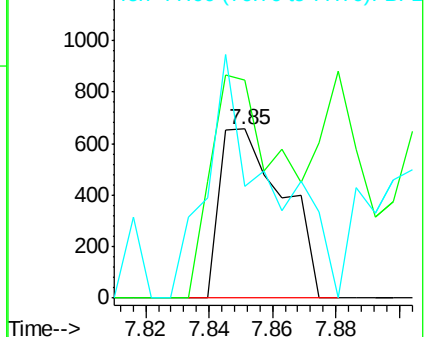
77 66.2 70.7 110.7#

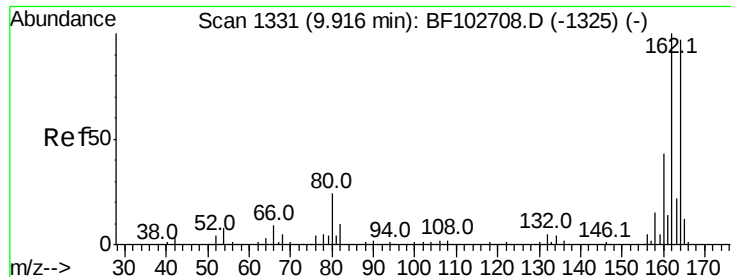


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

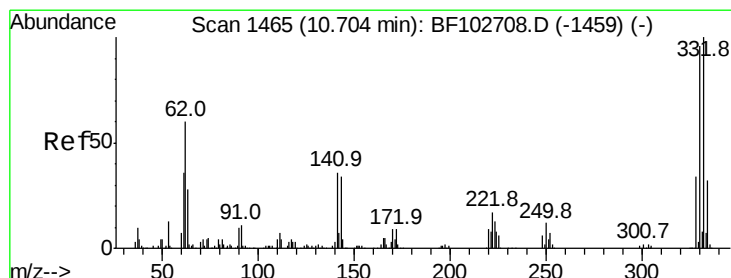
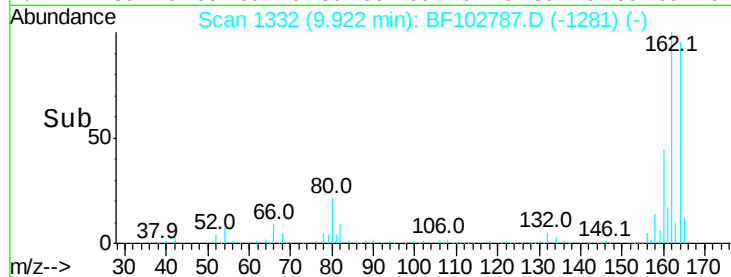
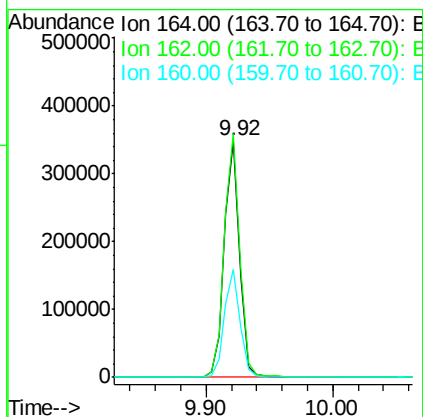
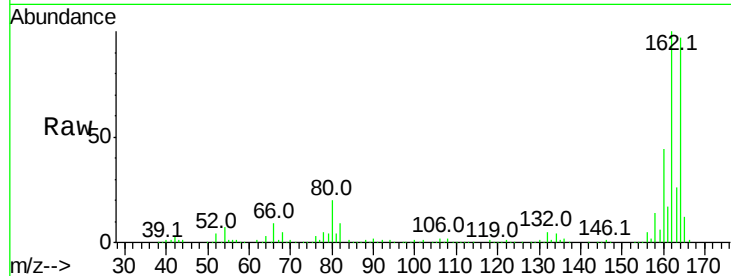
Ion 77.00 (76.70 to 77.70): BF1





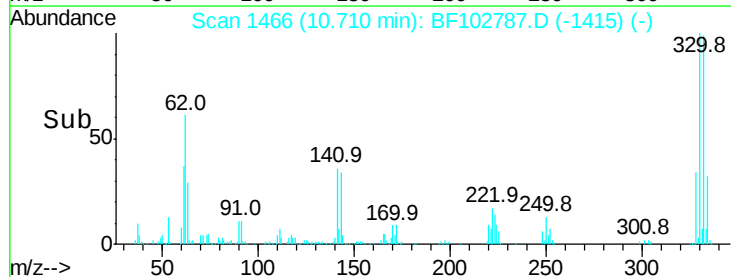
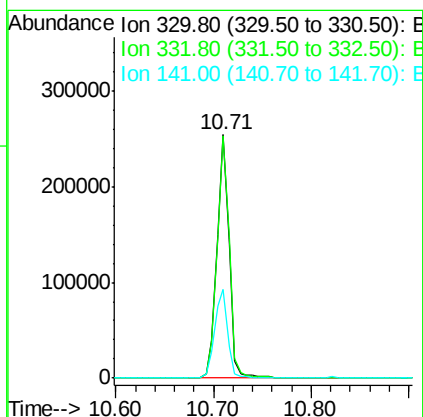
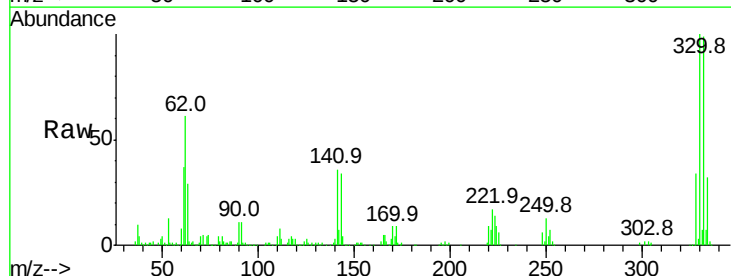
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: BF102787.D
 Acq: 6 Feb 2018 16:40

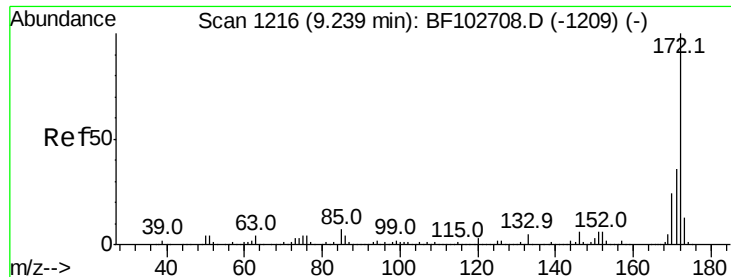
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	86.1	129.1
160	45.7	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 93.626 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF102787.D
 Acq: 6 Feb 2018 16:40

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.1	77.0	115.6
141	39.3	29.9	44.9

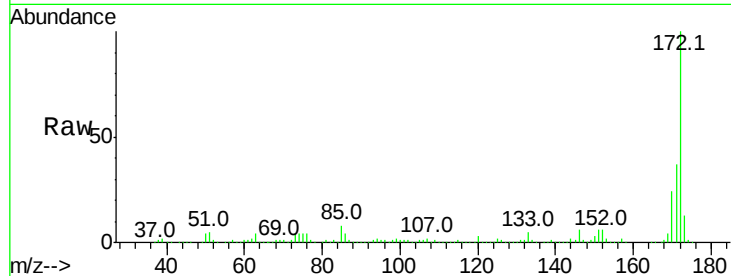




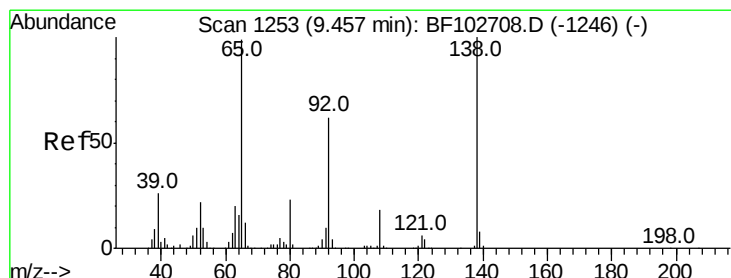
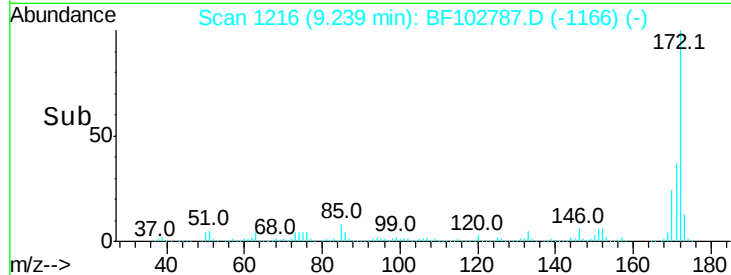
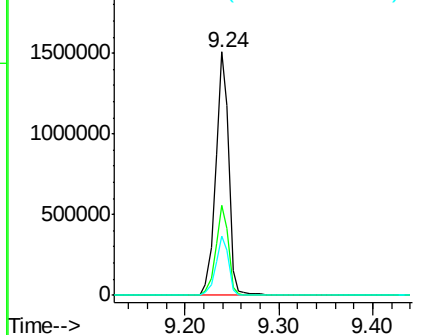
#44
 2-Fluorobiphenyl
 Concen: 83.449 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102787.D
 Acq: 6 Feb 2018 16:40

Tot Ion:172 Resp: 1477556

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.4	19.6	29.4



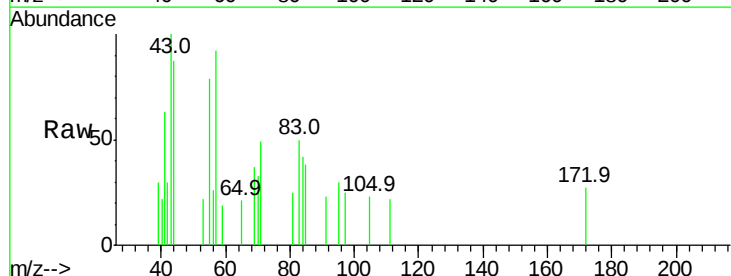
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



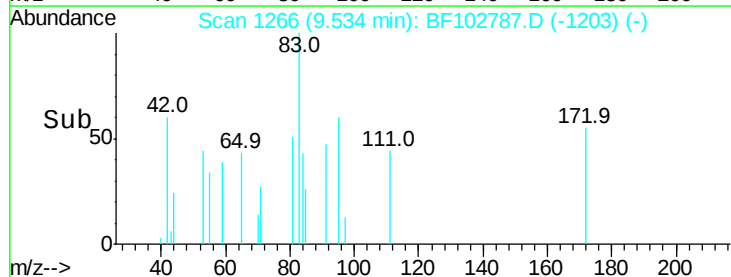
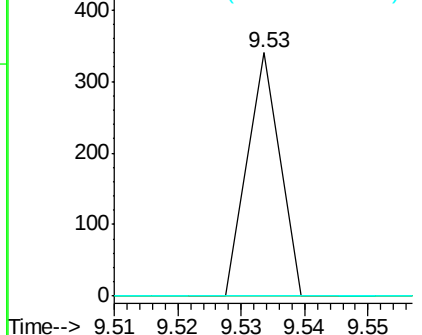
#47
 2-Nitroaniline
 Concen: 3.491 ng
 RT: 9.53 min Scan# 1266
 Delta R.T. 0.07 min
 Lab File: BF102787.D
 Acq: 6 Feb 2018 16:40

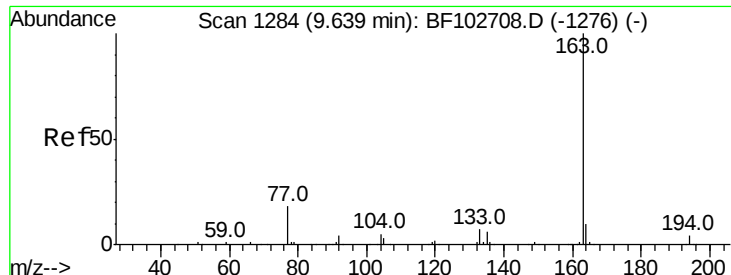
Tgt Ion: 65 Resp: 120

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): E





#49

Dimethylphthalate

Concen: 8.070 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF102787.D

Acq: 6 Feb 2018 16:40

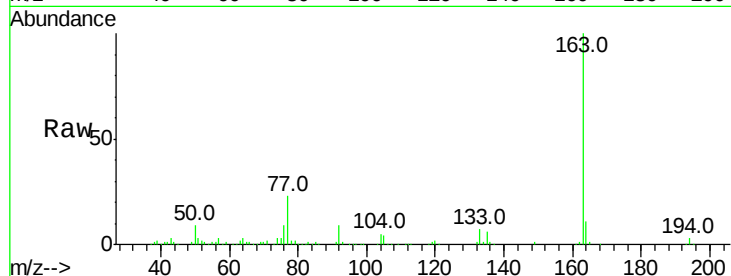
Tot Ion:163 Resp: 184883

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

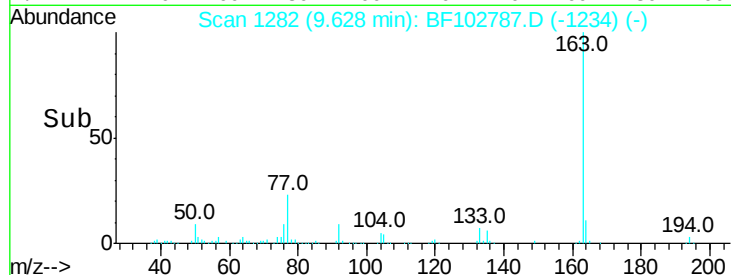
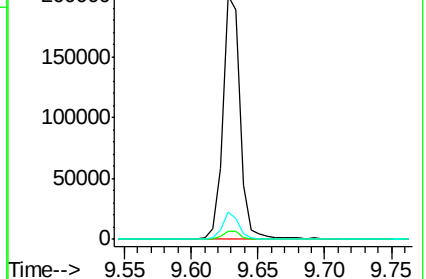
164 11.1 8.2 12.2



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



#55

4-Nitrophenol

Concen: 4.113 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.10 min

Lab File: BF102787.D

Acq: 6 Feb 2018 16:40

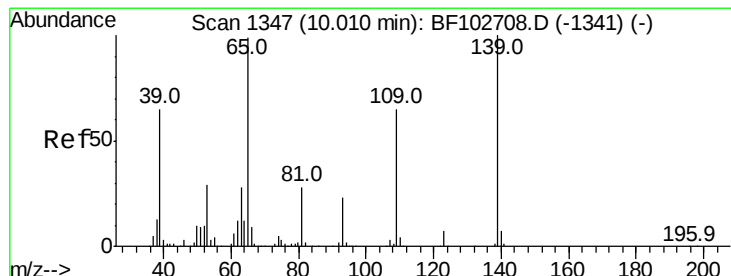
Tgt Ion:139 Resp: 413

Ion Ratio Lower Upper

139 100

109 71.2 48.4 88.4

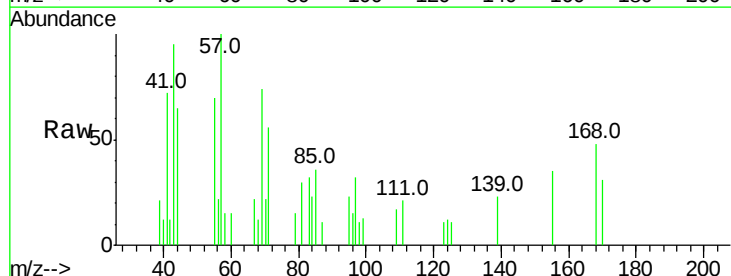
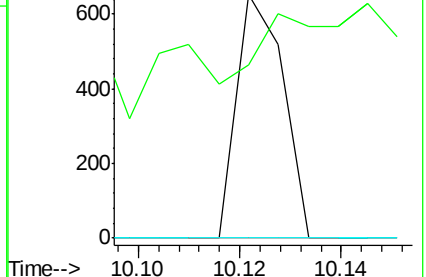
65 0.0 72.6 112.6#

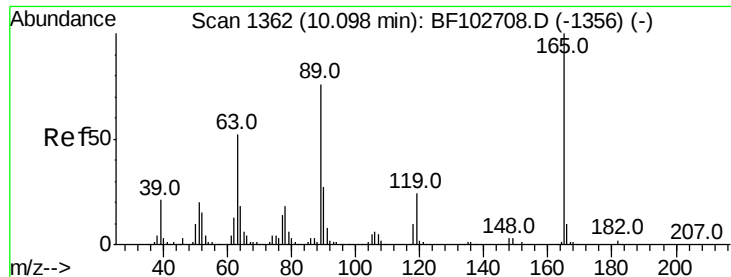


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

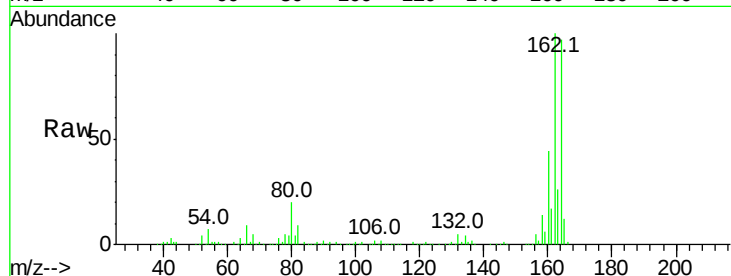
Ion 65.00 (64.70 to 65.70): BF1





#56
 2,4-Dinitrotoluene
 Concen: 9.253 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.18 min
 Lab File: BF102787.D
 Acq: 6 Feb 2018 16:40

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#

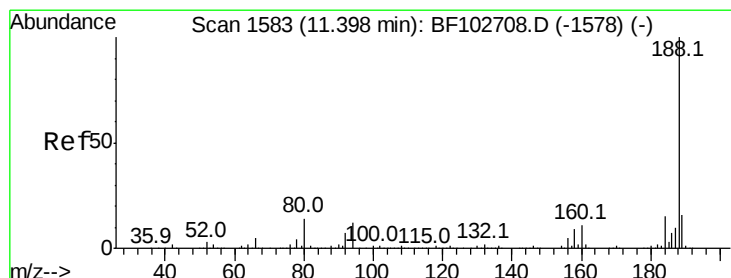
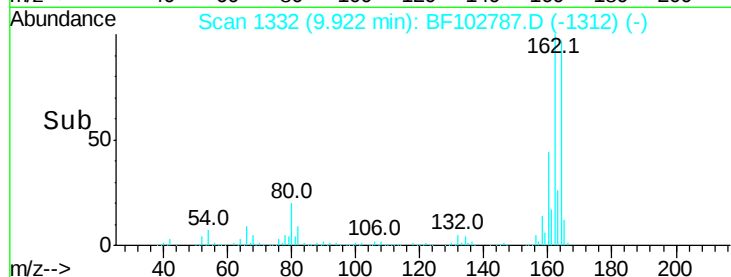
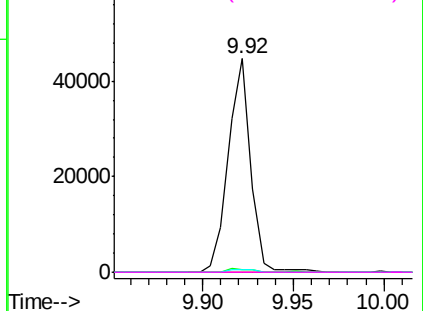


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

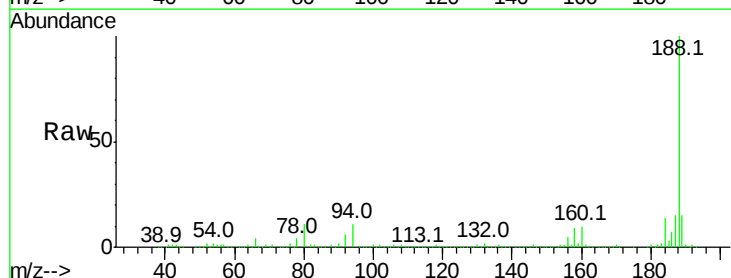
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF102787.D
 Acq: 6 Feb 2018 16:40

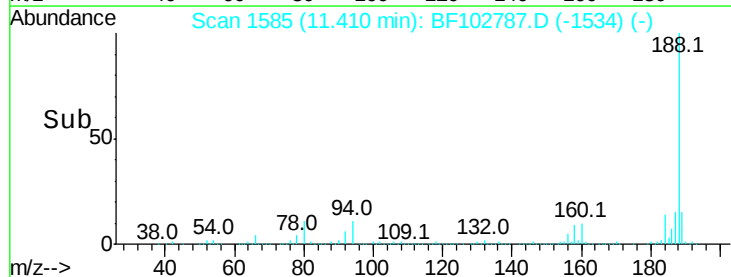
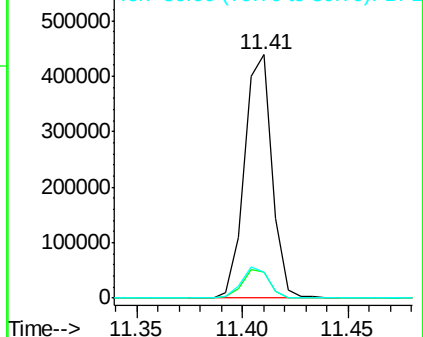
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	10.9	9.2	13.8

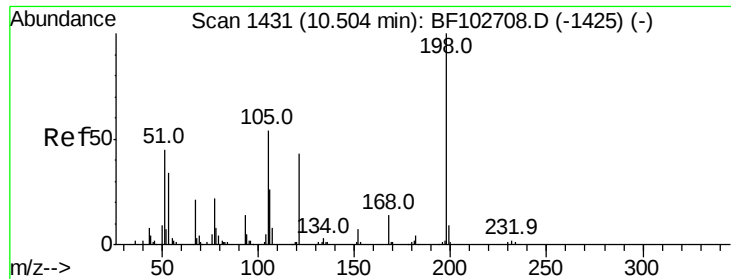


Abundance Ion 188.00 (187.70 to 188.70): E

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: 9.075 ng

RT: 10.71 min Scan# 1466

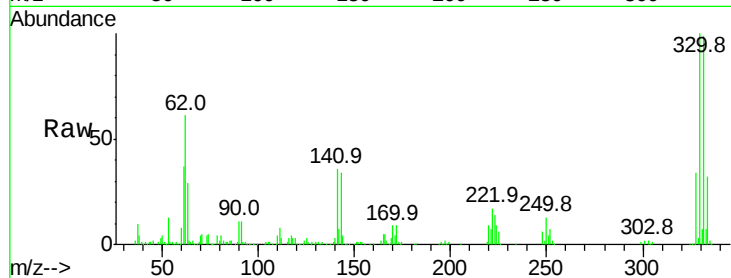
Delta R.T. 0.19 min

Lab File: BF102787.D

Acq: 6 Feb 2018 16:40

Tot Ion:198 Resp: 506

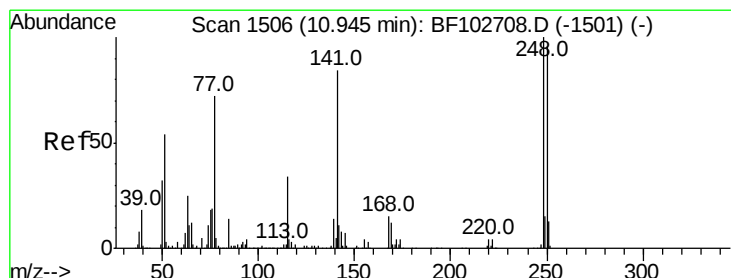
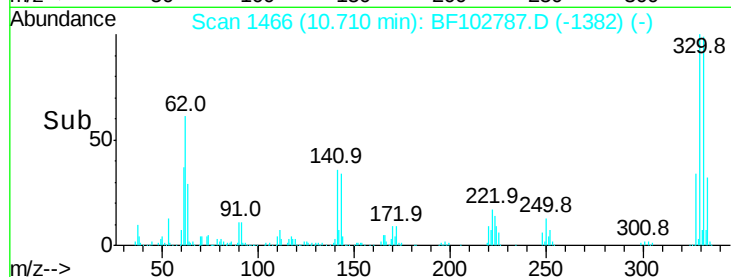
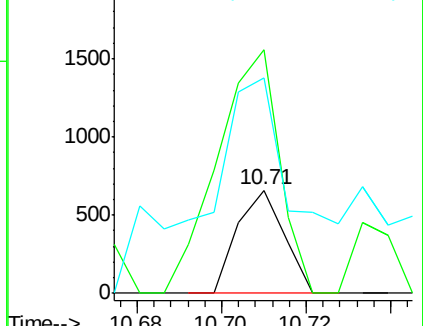
Ion	Ratio	Lower	Upper
198	100		
51	236.6	37.7	77.7#
105	209.3	36.3	76.3#



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: 3.385 ng

RT: 10.71 min Scan# 1466

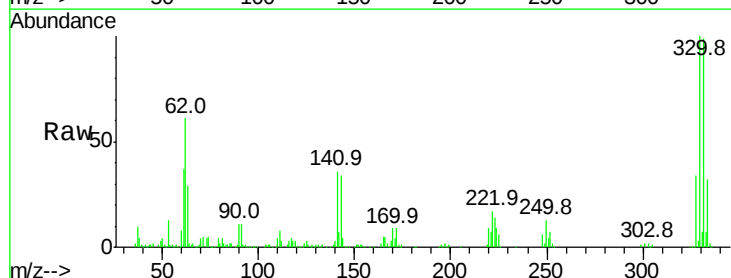
Delta R.T. -0.24 min

Lab File: BF102787.D

Acq: 6 Feb 2018 16:40

Tgt Ion:248 Resp: 14243

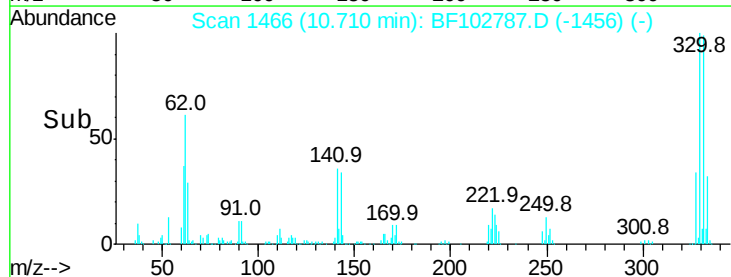
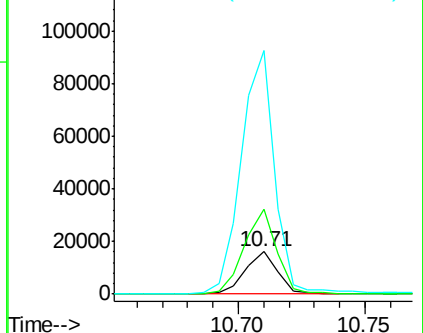
Ion	Ratio	Lower	Upper
248	100		
250	200.1	76.9	115.3#
141	576.4	74.4	111.6#

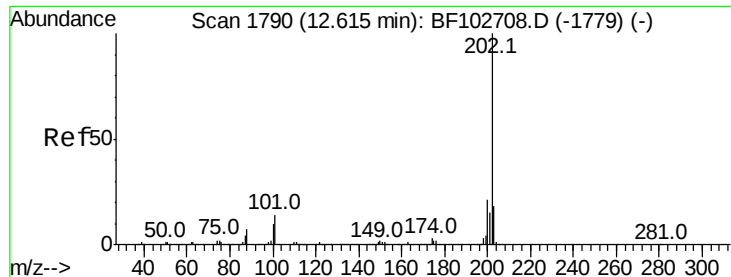


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 2.122 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF102787.D

Acq: 6 Feb 2018 16:40

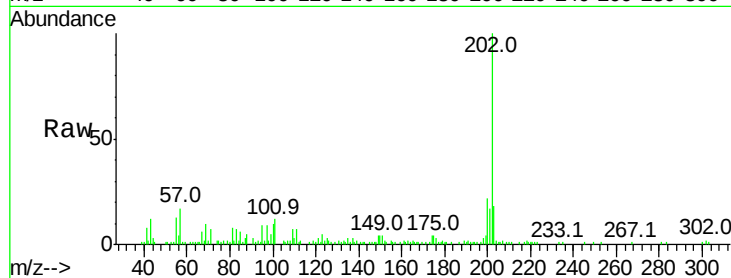
Tot Ion:202 Resp: 47295

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.1

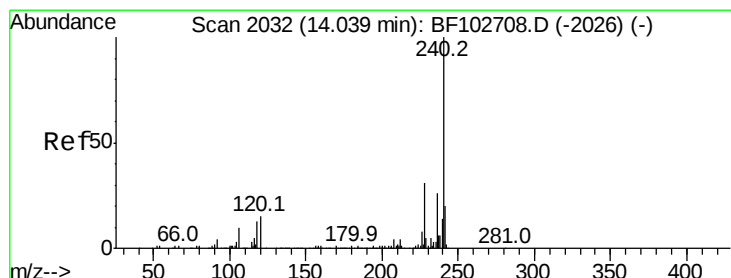
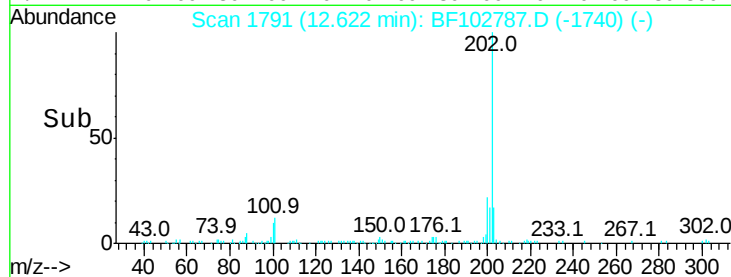
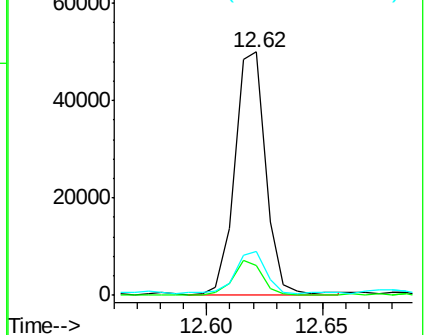
203 17.8 0.0 38.1



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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF102787.D

Acq: 6 Feb 2018 16:40

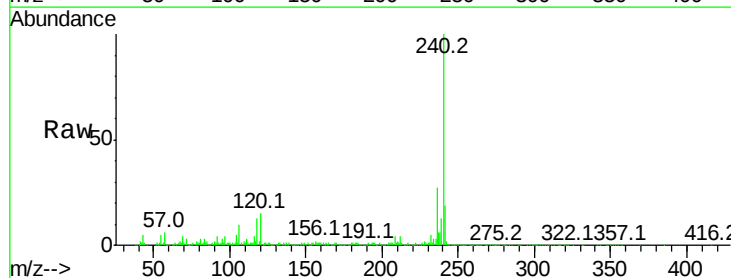
Tgt Ion:240 Resp: 351378

Ion Ratio Lower Upper

240 100

120 15.1 9.5 14.3#

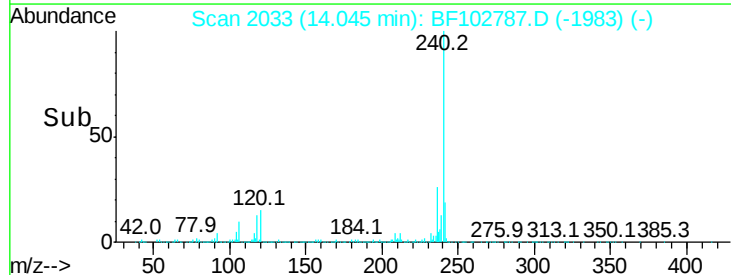
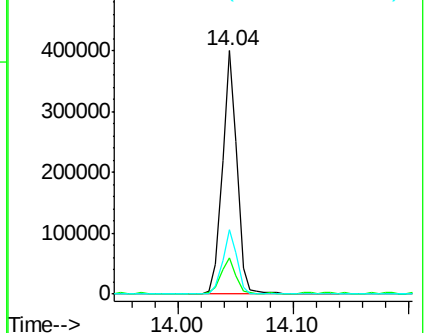
236 26.6 20.7 31.1

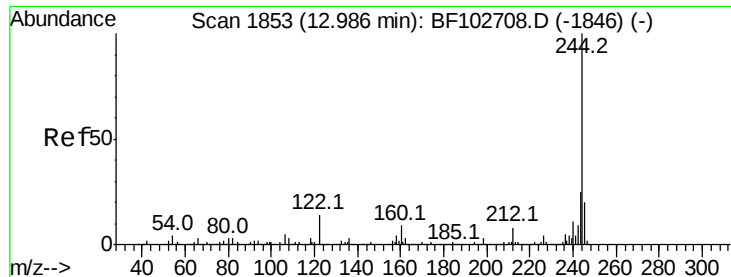


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 63.472 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102787.D

Acq: 6 Feb 2018 16:40

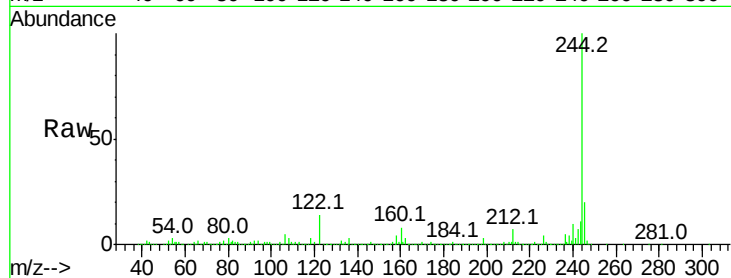
Tot Ion:244 Resp: 941918

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

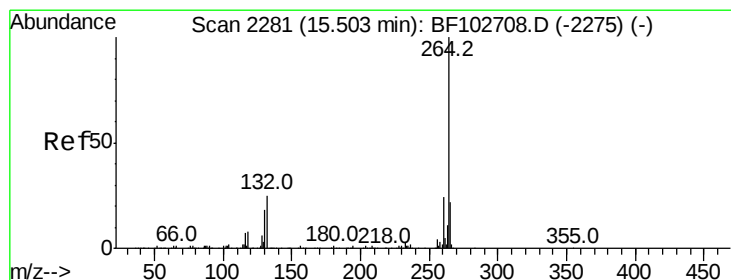
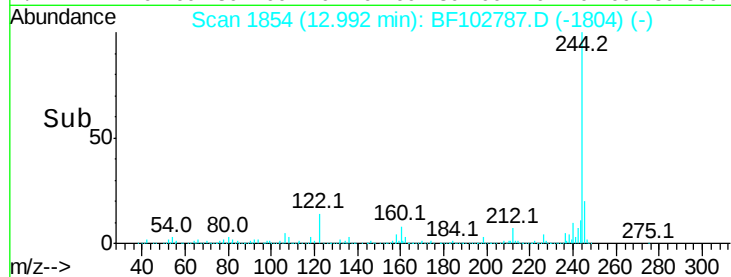
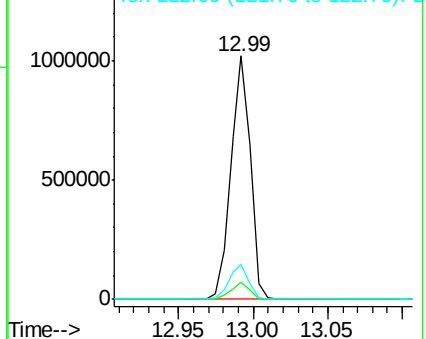
122 14.1 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BF102787.D

Acq: 6 Feb 2018 16:40

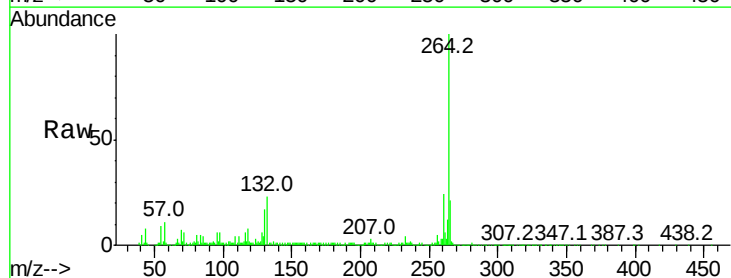
Tgt Ion:264 Resp: 319598

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

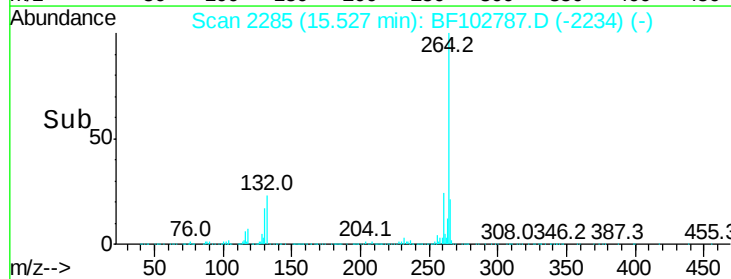
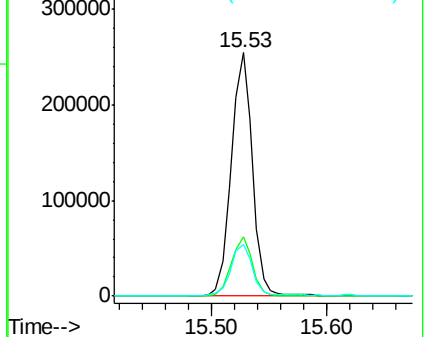
265 21.3 17.5 26.3

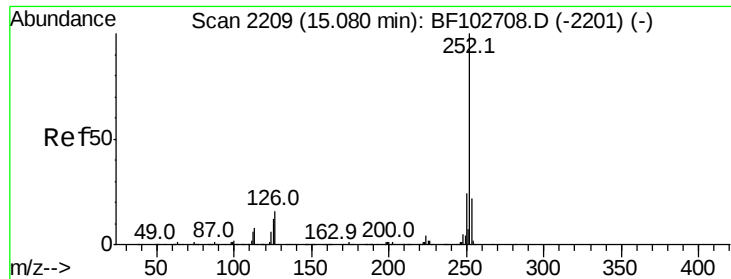


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.182 ng

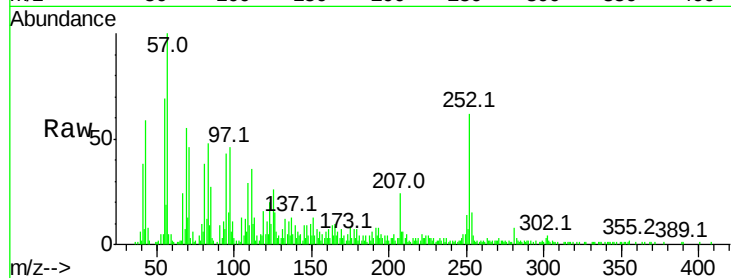
RT: 15.09 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BF102787.D

Acq: 6 Feb 2018 16:40

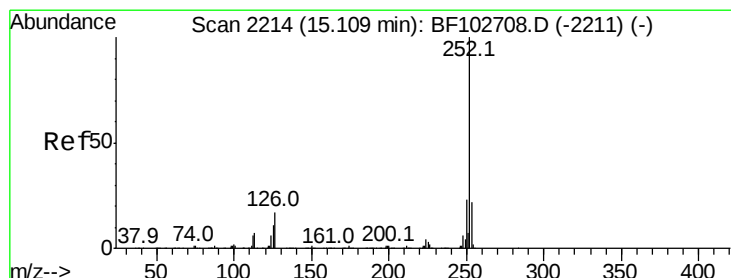
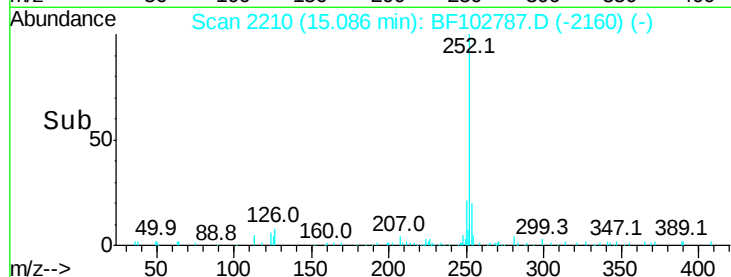
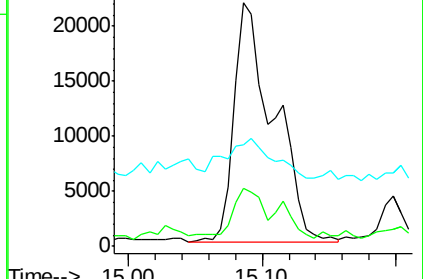
Tot Ion:252	Resp:	45222
Ion Ratio	Lower	Upper
252	100	
253	23.9	17.0 25.6
125	41.8	9.0 13.6#



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: 2.284 ng

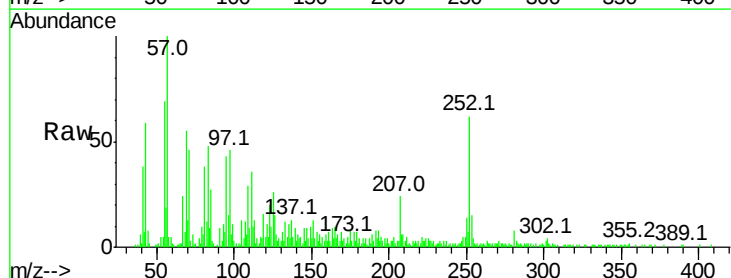
RT: 15.09 min Scan# 2210

Delta R.T. -0.04 min

Lab File: BF102787.D

Acq: 6 Feb 2018 16:40

Tgt Ion:252	Resp:	45222
Ion Ratio	Lower	Upper
252	100	
253	23.9	17.9 26.9
125	41.8	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

