

Data Path : U:\HPCHEM1\BNA F\DATA\BF020618\
 Data File : BF102794.D
 Acq On : 6 Feb 2018 19:50
 Operator : SJ/JU
 Sample : J1459-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Feb 07 00:20:37 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	187318	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	741516	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	299212	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	385936	20.00	ng	0.00
75) Chrysene-d12	14.04	240	335788	20.00	ng	0.00
86) Perylene-d12	15.53	264	309581	20.00	ng	0.00

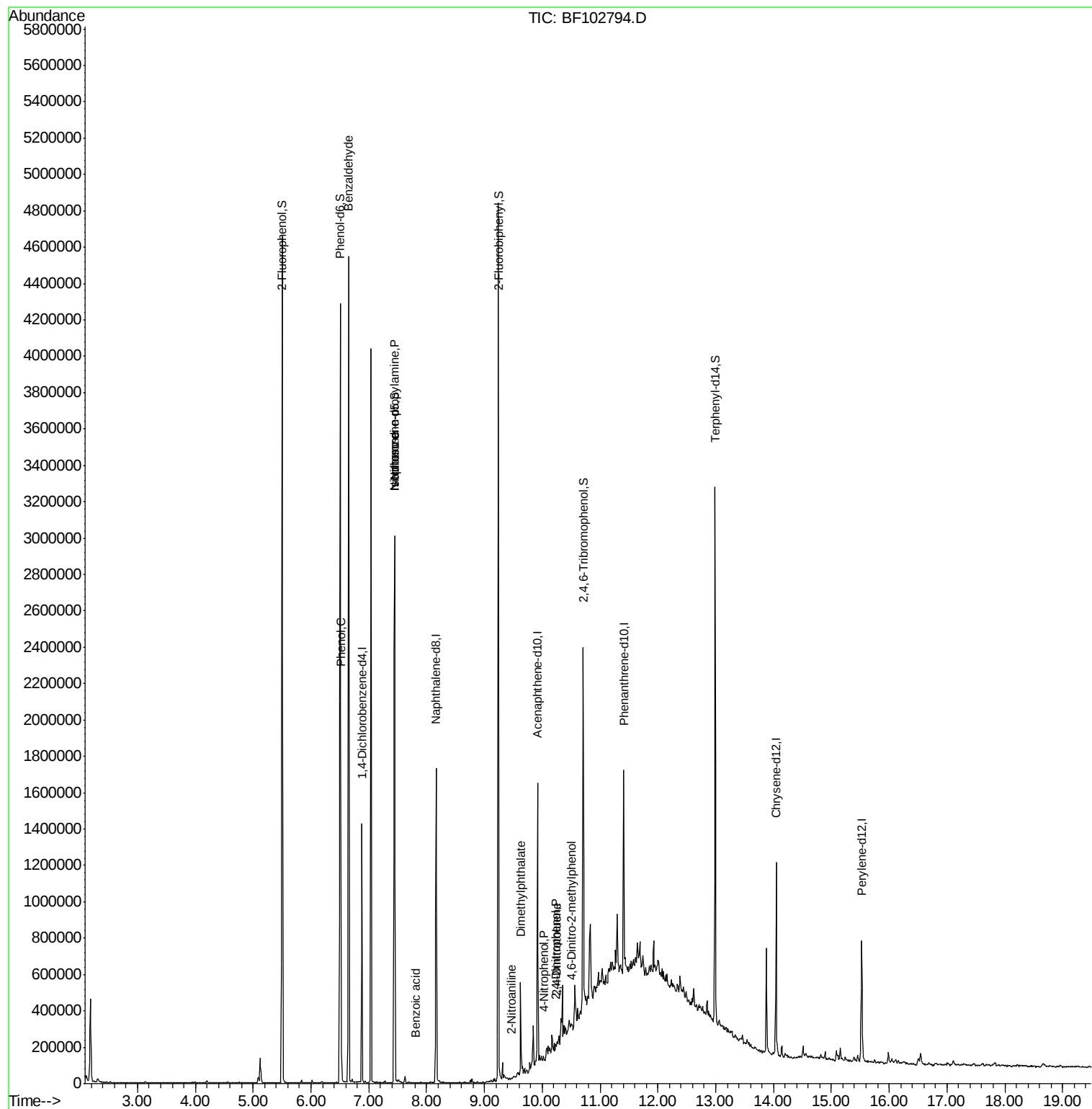
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1342646	108.85	ng	0.01
7) Phenol-d6	6.51	99	1578067	106.26	ng	0.00
23) Nitrobenzene-d5	7.45	82	959202	89.74	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	229344	95.23	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1532746	85.00	ng	0.00
78) Terphenyl-d14	12.99	244	966343	68.14	ng	0.00

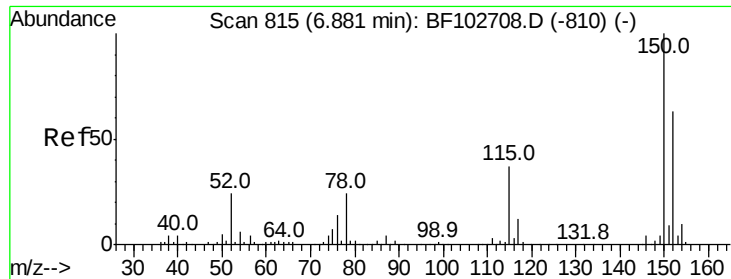
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.65	77	27732	2.514	ng	88
10) Phenol	6.52	94	42308	2.658	ng	99
19) n-Nitroso-di-n-propylamine	7.45	70	129484	13.224	ng	# 83
25) Isophorone	7.45	82	959186	38.970	ng	# 64
32) Benzoic acid	7.81	122	451	8.602	ng	# 26
47) 2-Nitroaniline	9.46	65	482	3.545	ng	# 62
49) Dimethylphthalate	9.63	163	177243	7.597	ng	99
53) 2,4-Dinitrophenol	10.24	184	110	8.058	ng	# 73
55) 4-Nitrophenol	10.02	139	632	4.158	ng	# 1
56) 2,4-Dinitrotoluene	10.26	165	1526	3.315	ng	# 40
64) 4,6-Dinitro-2-methylphenol	10.49	198	106	8.853	ng	# 1

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

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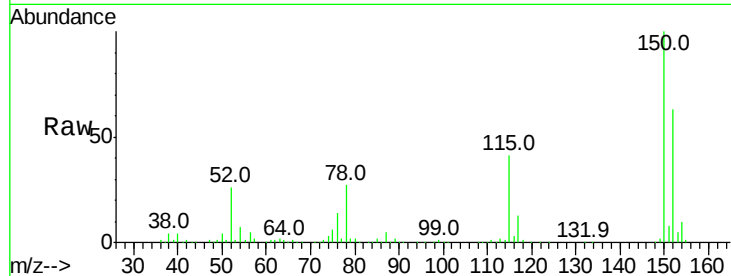




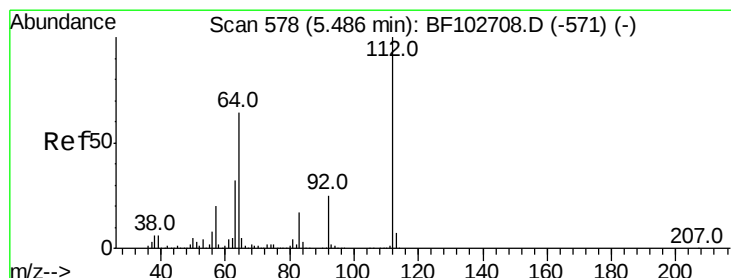
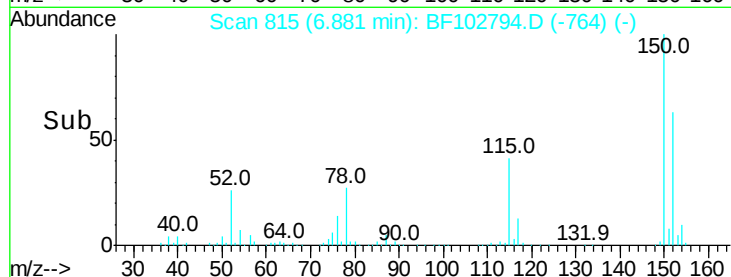
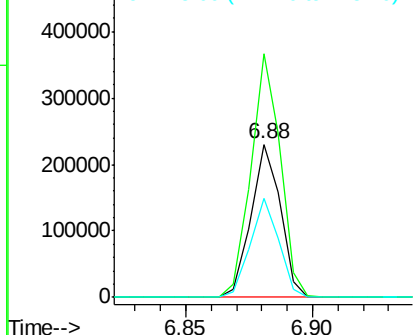
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102794.D
Acq: 6 Feb 2018 19:50

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	64.9	50.1	75.1



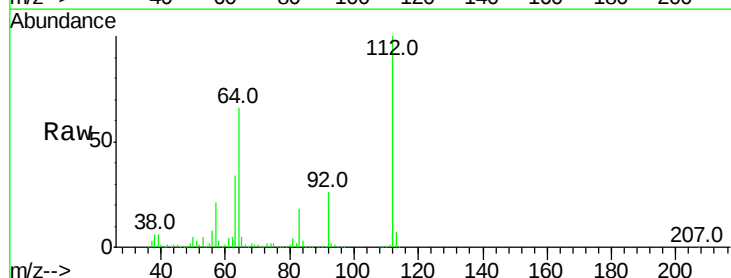
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



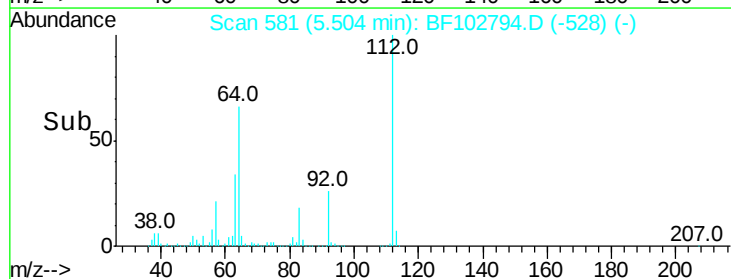
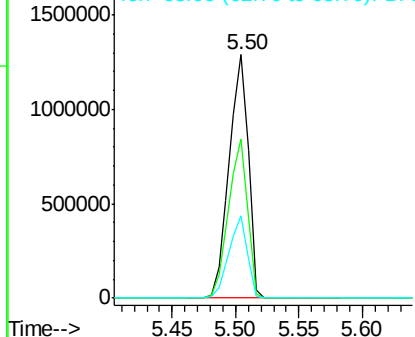
#5

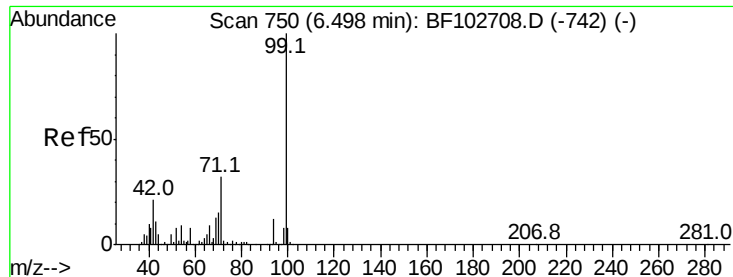
2-Fluorophenol
Concen: 108.854 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102794.D
Acq: 6 Feb 2018 19:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	47.9	71.9
63	33.7	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: 106.257 ng

RT: 6.51 min Scan# 752

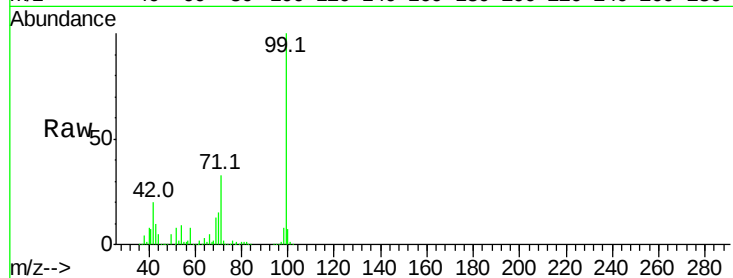
Delta R.T. 0.01 min

Lab File: BF102794.D

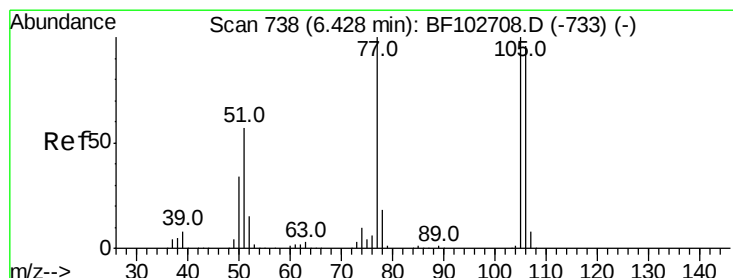
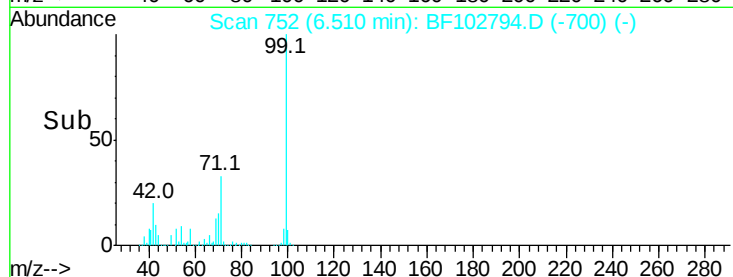
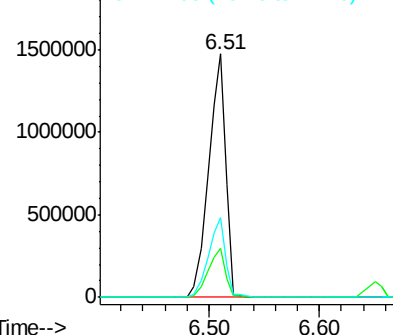
Acq: 6 Feb 2018 19:50

Tot Ion: 99 Resp: 1578067

Ion	Ratio	Lower	Upper
99	100		
42	19.9	14.5	21.7
71	33.0	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: 2.514 ng

RT: 6.65 min Scan# 776

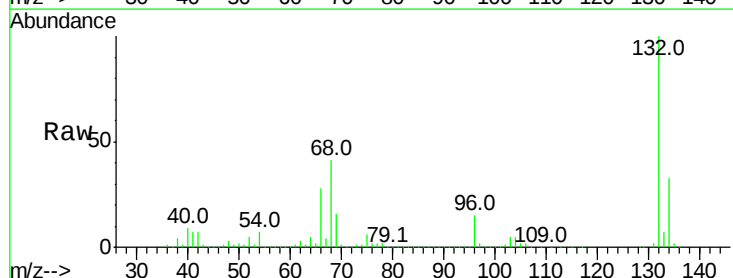
Delta R.T. 0.22 min

Lab File: BF102794.D

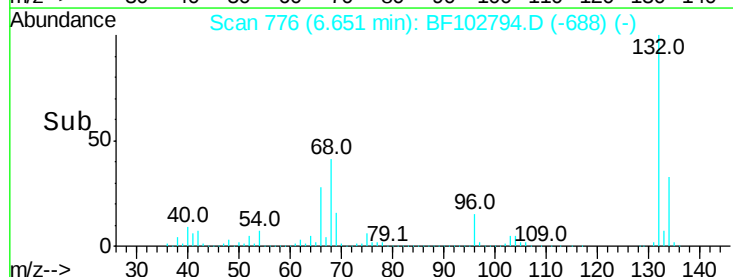
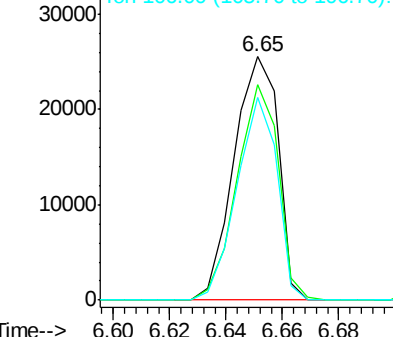
Acq: 6 Feb 2018 19:50

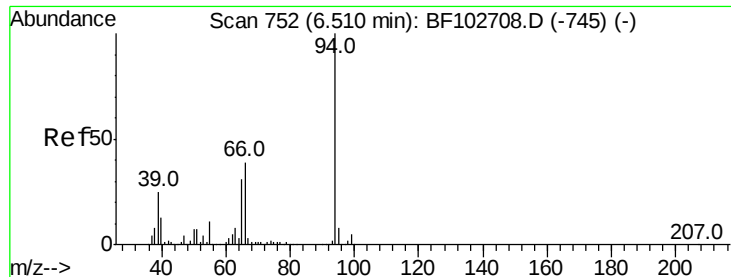
Tgt Ion: 77 Resp: 27732

Ion	Ratio	Lower	Upper
77	100		
105	88.5	81.1	121.1
106	83.4	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: 2.658 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF102794.D

Acq: 6 Feb 2018 19:50

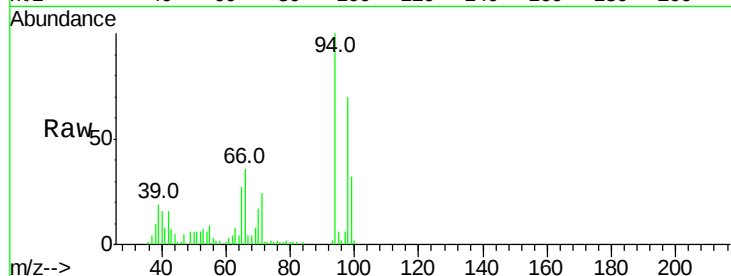
Tot Ion: 94 Resp: 42308

Ion Ratio Lower Upper

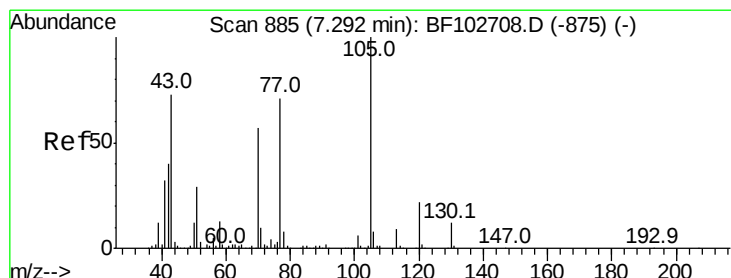
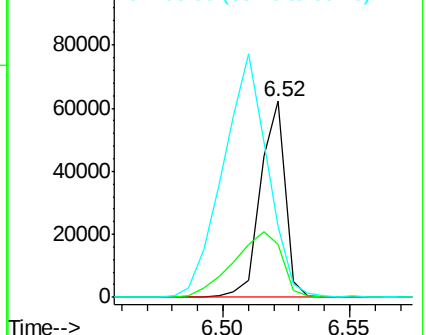
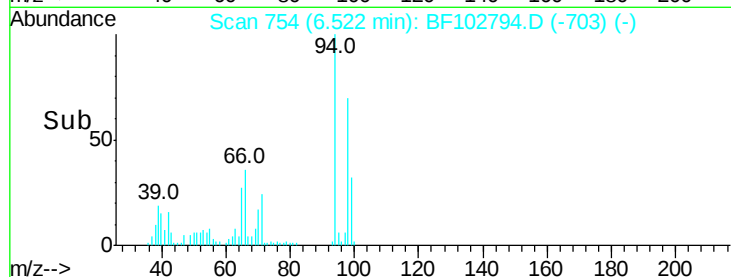
94 100

65 27.2 7.9 47.9

66 36.2 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: 13.224 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102794.D

Acq: 6 Feb 2018 19:50

Tgt Ion: 70 Resp: 129484

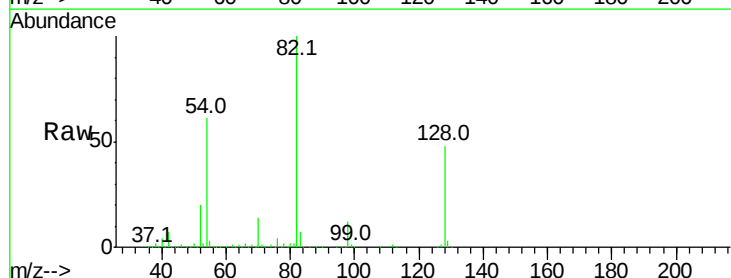
Ion Ratio Lower Upper

70 100

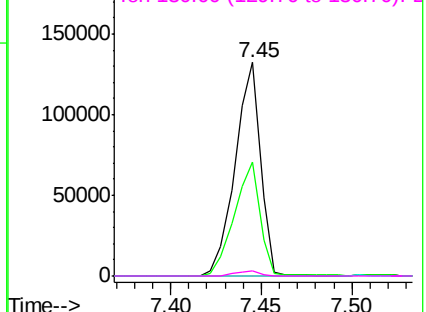
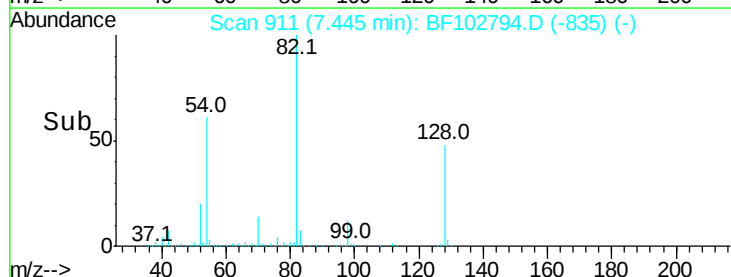
42 53.4 47.5 71.3

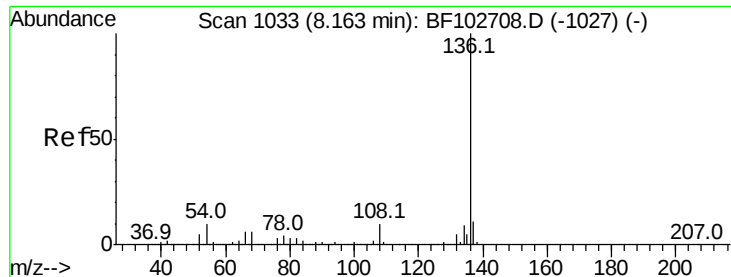
101 0.0 7.4 11.2#

130 2.4 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

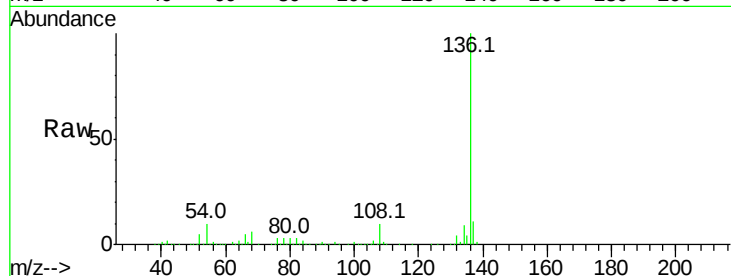
RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF102794.D

Acq: 6 Feb 2018 19:50

Tot Ion:136	Resp:	741516
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	9.9	6.6 9.8#
68	6.1	5.0 7.4

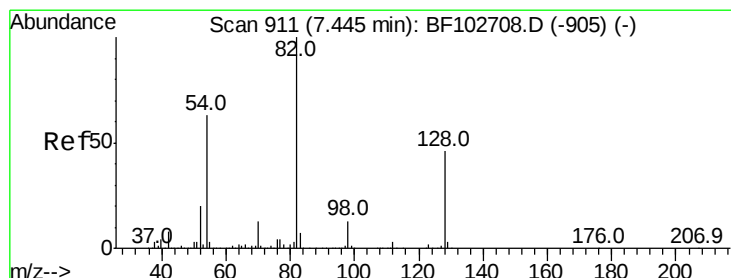
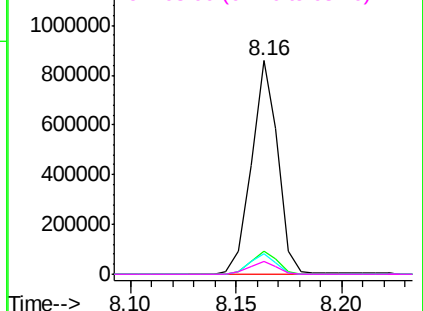
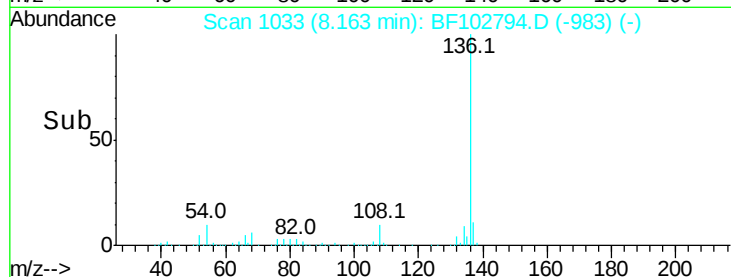


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.736 ng

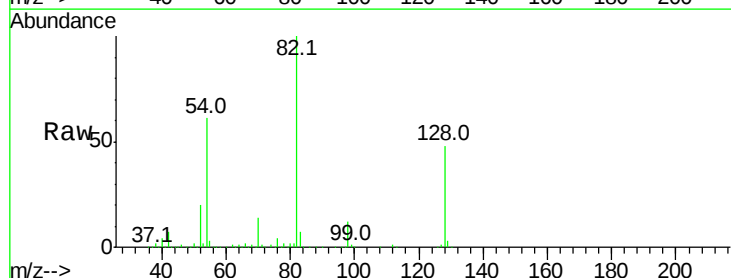
RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF102794.D

Acq: 6 Feb 2018 19:50

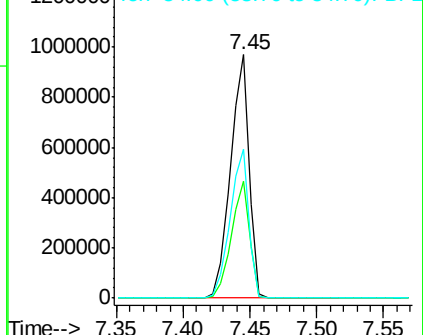
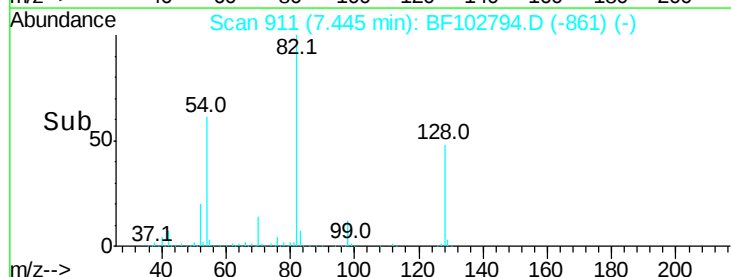
Tgt Ion: 82	Resp:	959202
Ion Ratio	Lower	Upper
82	100	
128	47.9	36.1 54.1
54	61.4	41.4 62.2

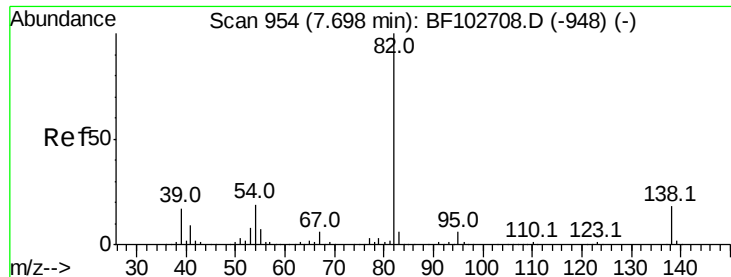


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.970 ng

RT: 7.45 min Scan# 911

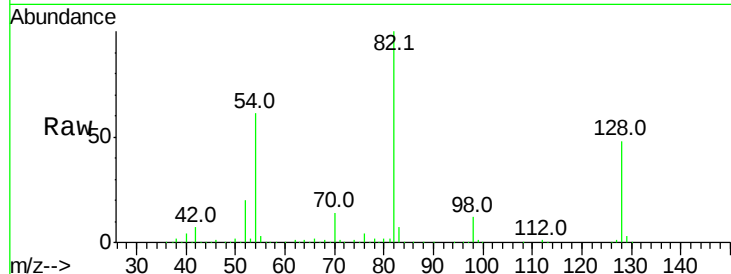
Delta R.T. -0.26 min

Lab File: BF102794.D

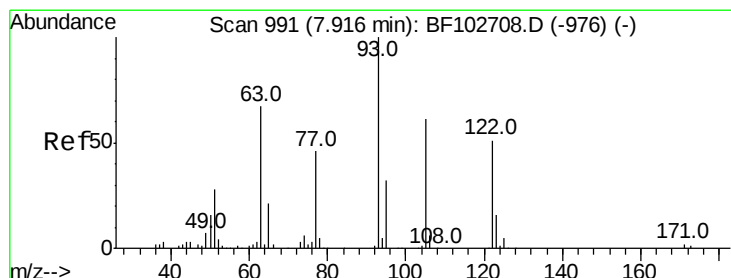
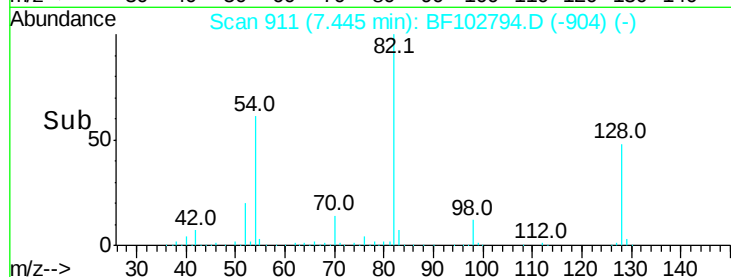
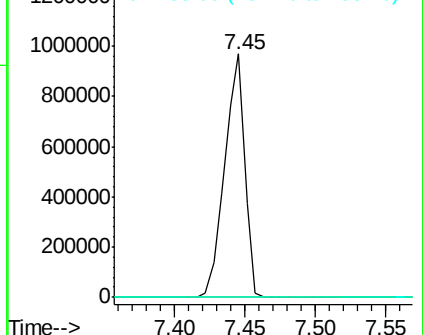
Acq: 6 Feb 2018 19:50

Tot Ion: 82 Resp: 959186

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: 8.602 ng

RT: 7.81 min Scan# 973

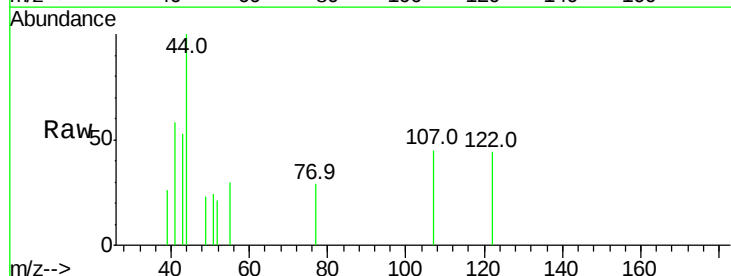
Delta R.T. -0.12 min

Lab File: BF102794.D

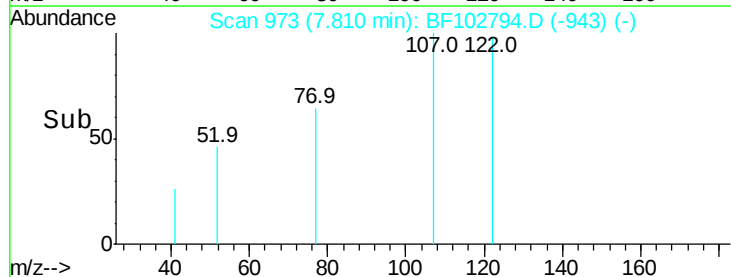
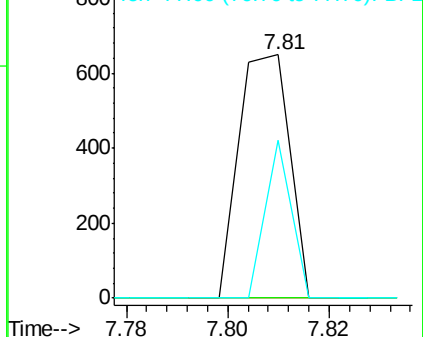
Acq: 6 Feb 2018 19:50

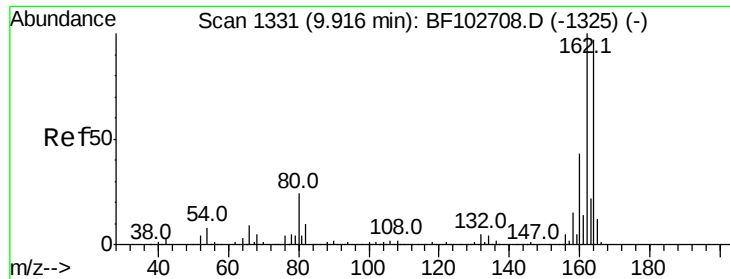
Tgt Ion: 122 Resp: 451

Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	65.0	70.7	110.7#



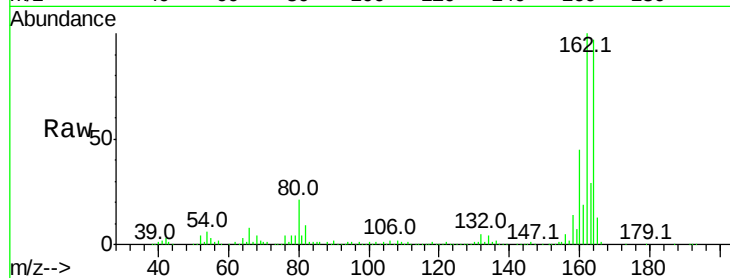
Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1



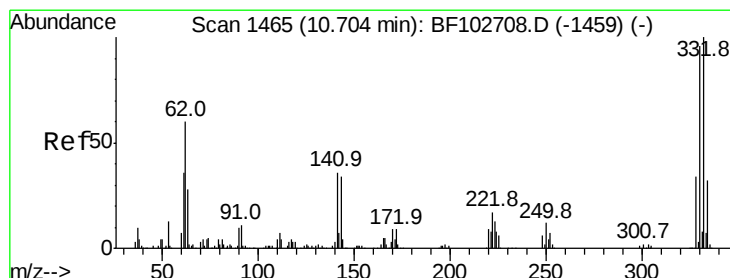
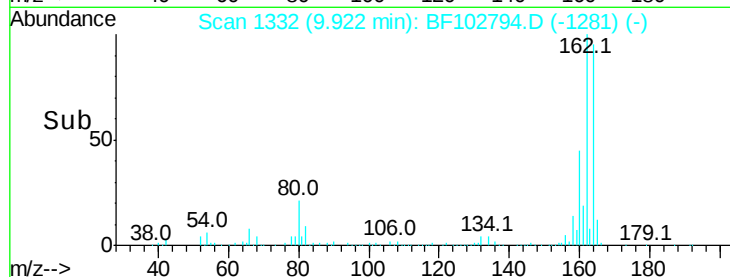
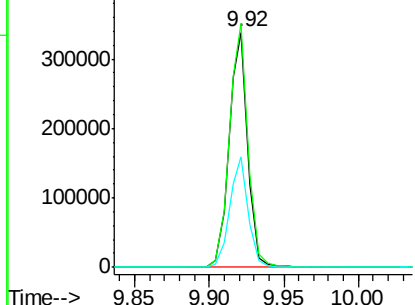


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF102794.D
Acq: 6 Feb 2018 19:50

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.6	86.1	129.1
160	46.9	38.3	57.5

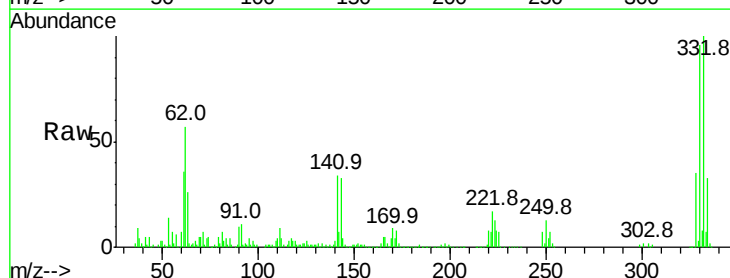


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

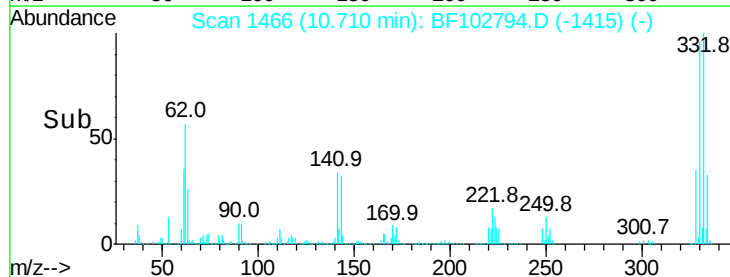
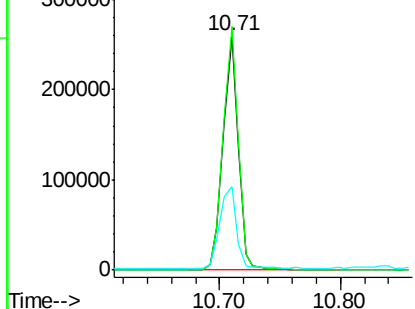


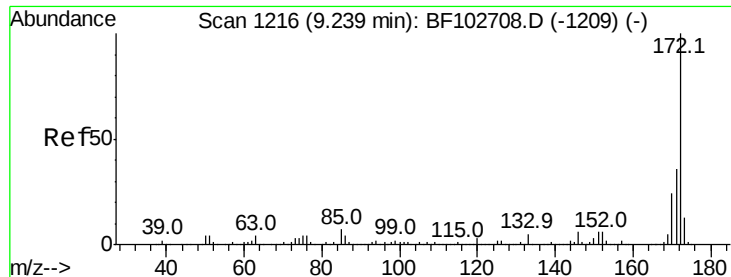
#41
2,4,6-Tribromophenol
Concen: 95.230 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BF102794.D
Acq: 6 Feb 2018 19:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	103.8	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

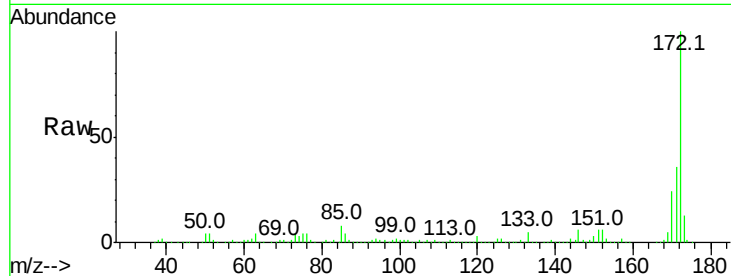




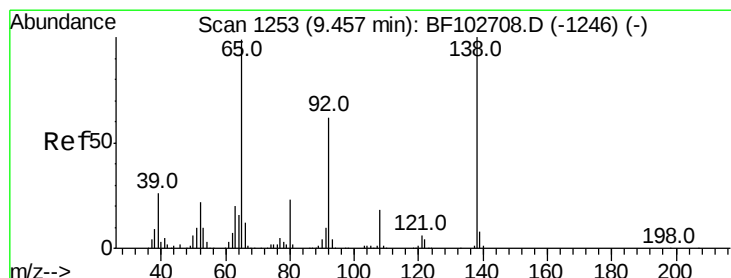
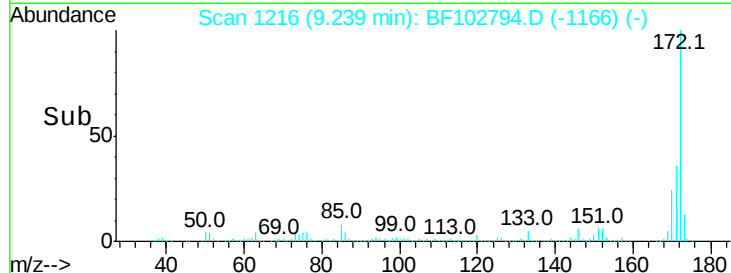
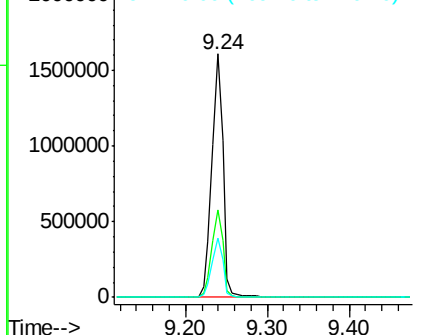
#44
 2-Fluorobiphenyl
 Concen: 85.002 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102794.D
 Acq: 6 Feb 2018 19:50

Tot Ion: 172 Resp: 1532746

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.4	19.6	29.4



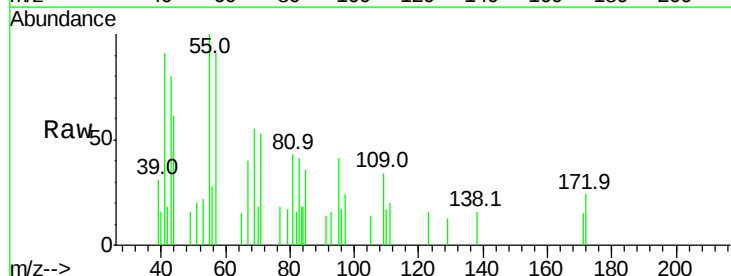
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



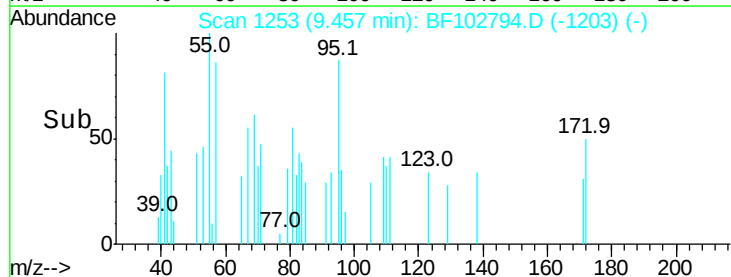
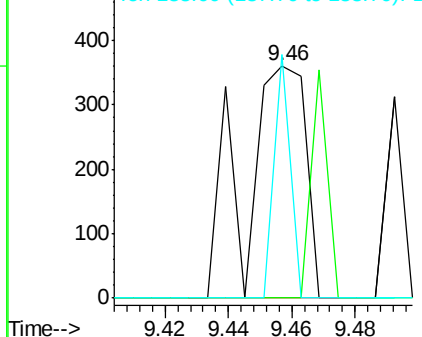
#47
 2-Nitroaniline
 Concen: 3.545 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. -0.01 min
 Lab File: BF102794.D
 Acq: 6 Feb 2018 19:50

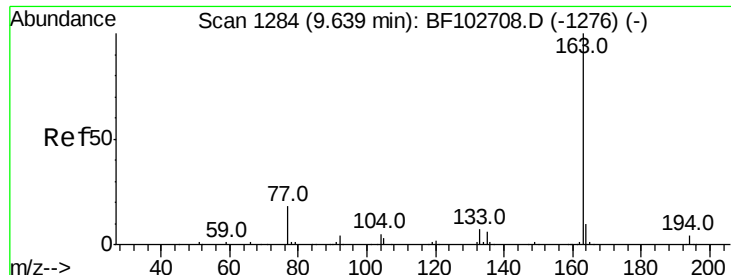
Tgt Ion: 65 Resp: 482

Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.8	83.6#
138	104.7	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: 7.597 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF102794.D

Acq: 6 Feb 2018 19:50

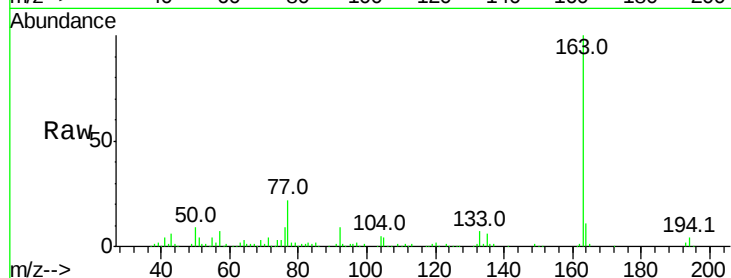
Tot Ion:163 Resp: 177243

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

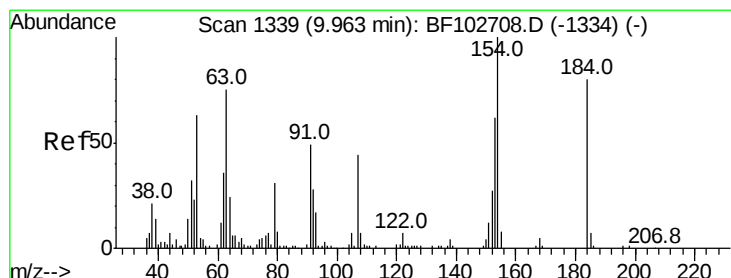
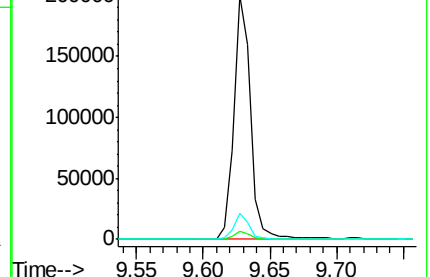
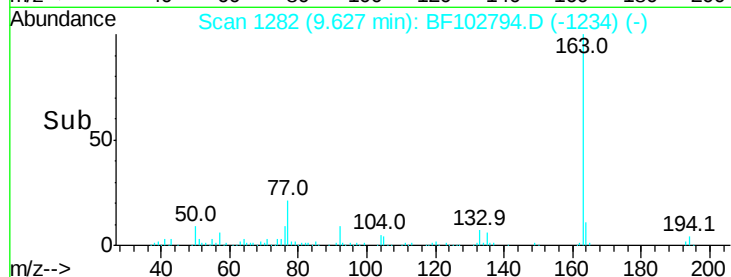
164 10.5 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#53

2,4-Dinitrophenol

Concen: 8.058 ng

RT: 10.24 min Scan# 1386

Delta R.T. 0.26 min

Lab File: BF102794.D

Acq: 6 Feb 2018 19:50

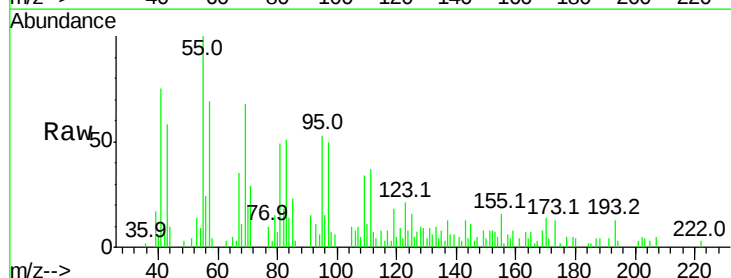
Tgt Ion:184 Resp: 110

Ion Ratio Lower Upper

184 100

63 113.1 54.2 81.2#

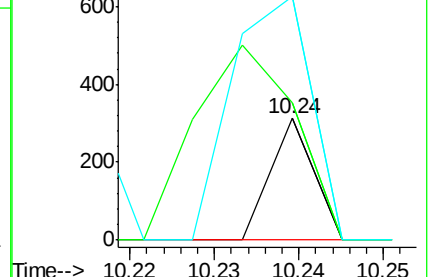
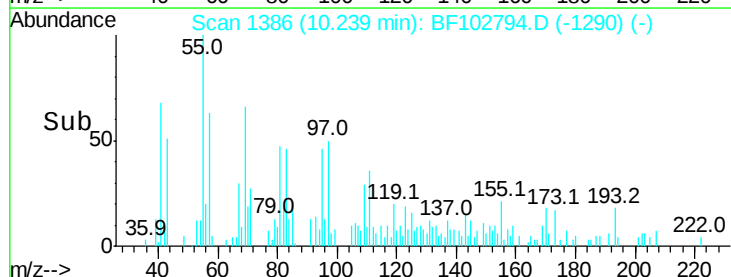
154 200.6 184.0 276.0

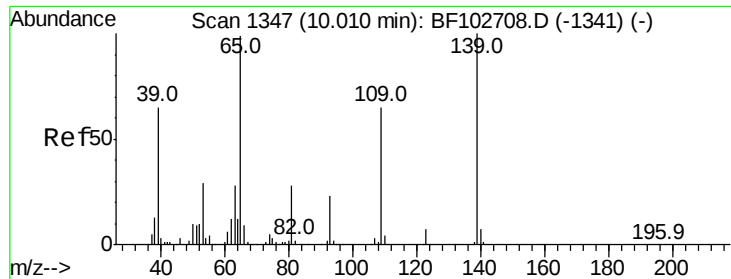


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

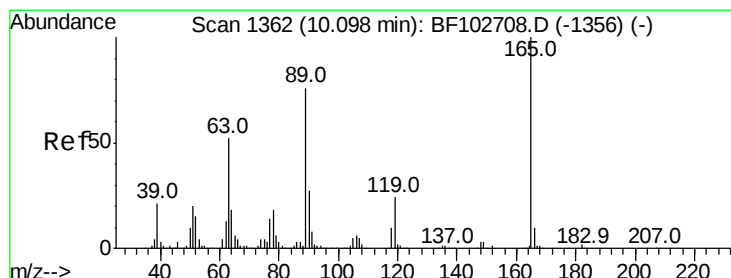
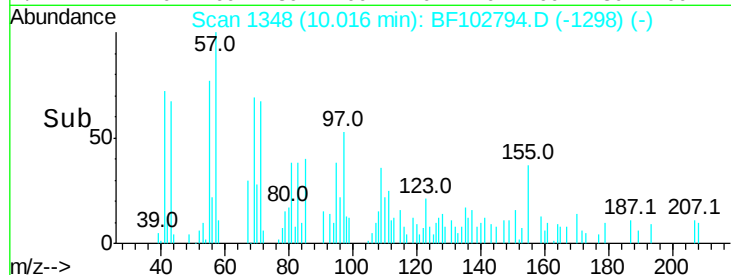
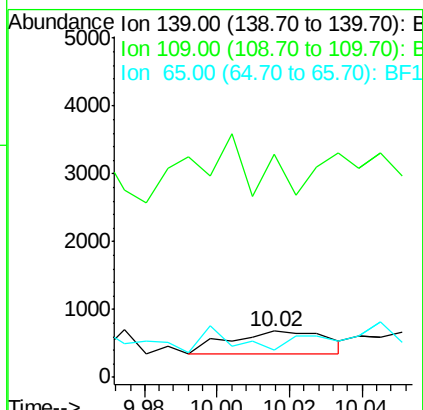
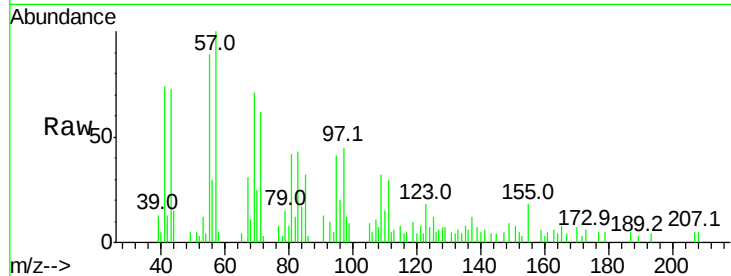
Ion 154.00 (153.70 to 154.70): E





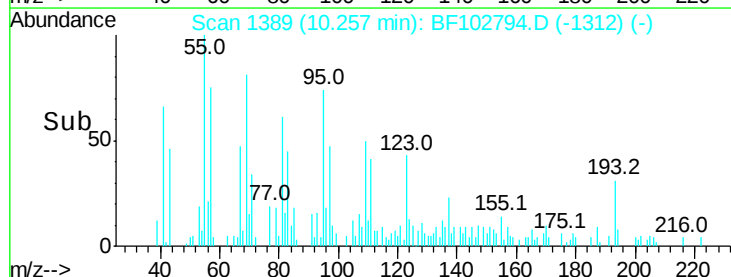
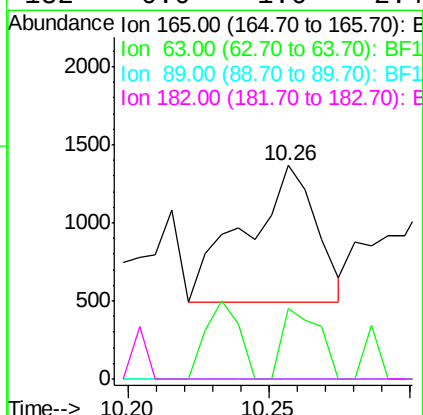
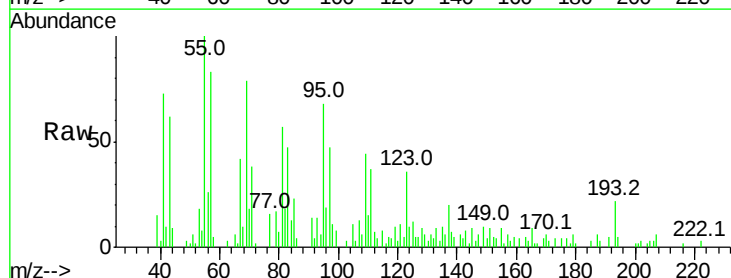
#55
4-Nitrophenol
Concen: 4.158 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF102794.D
Acq: 6 Feb 2018 19:50

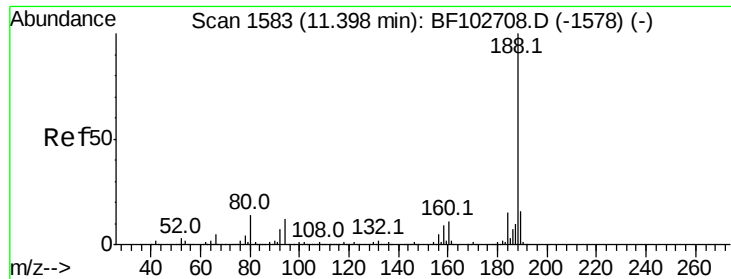
Tot Ion:139 Resp: 632
Ion Ratio Lower Upper
139 100
109 485.1 48.4 88.4#
65 59.5 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 3.315 ng
RT: 10.26 min Scan# 1389
Delta R.T. 0.15 min
Lab File: BF102794.D
Acq: 6 Feb 2018 19:50

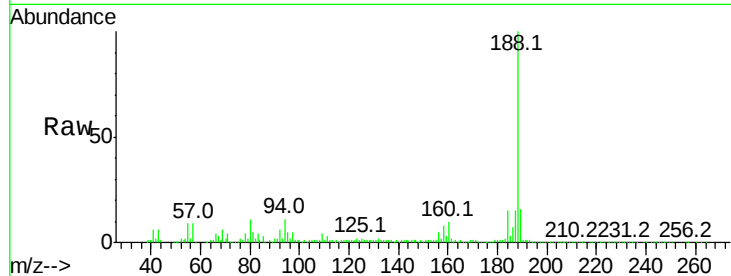
Tgt Ion:165 Resp: 1526
Ion Ratio Lower Upper
165 100
63 32.7 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#



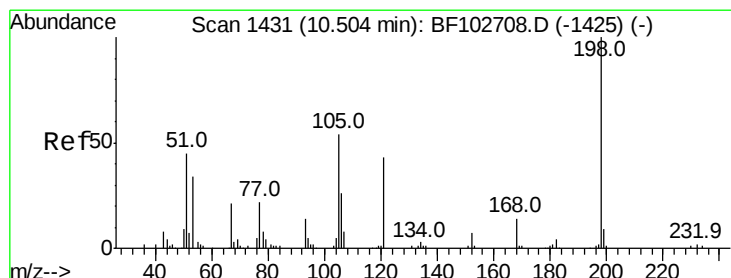
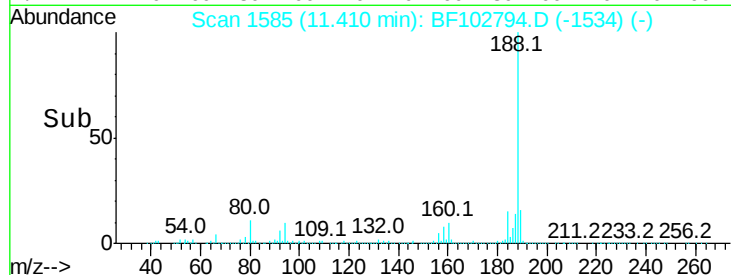
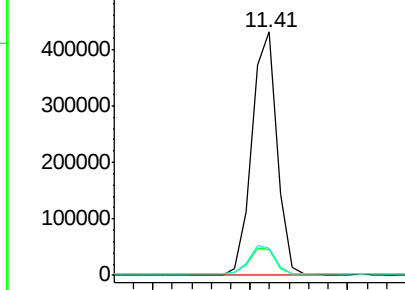


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF102794.D
Acq: 6 Feb 2018 19:50

Tot Ion:188 Resp: 385936
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.2 9.2 13.8

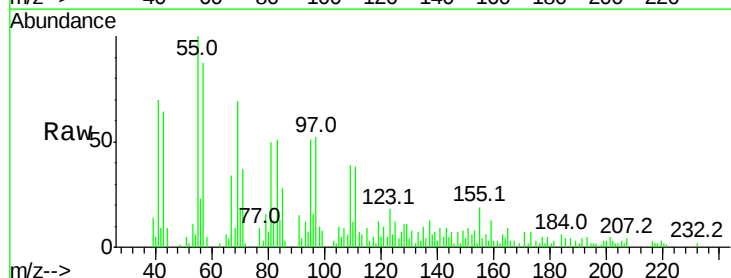


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

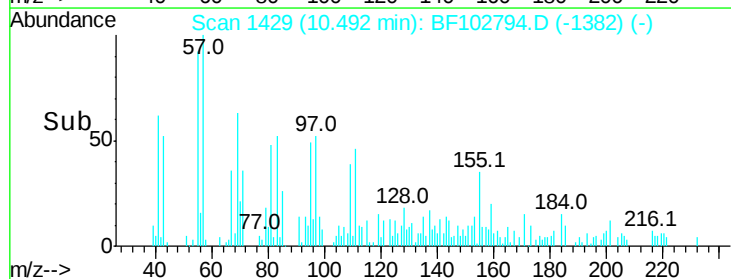
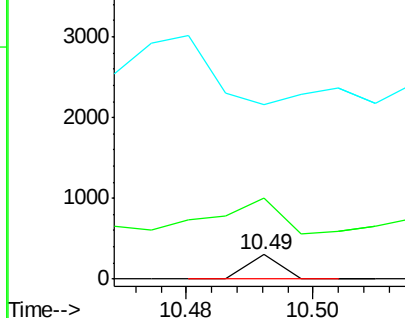


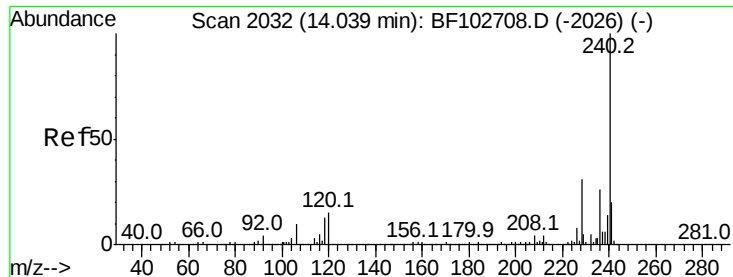
#64
4,6-Dinitro-2-methylphenol
Concen: 8.853 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.02 min
Lab File: BF102794.D
Acq: 6 Feb 2018 19:50

Tgt Ion:198 Resp: 106
Ion Ratio Lower Upper
198 100
51 333.0 37.7 77.7#
105 717.7 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

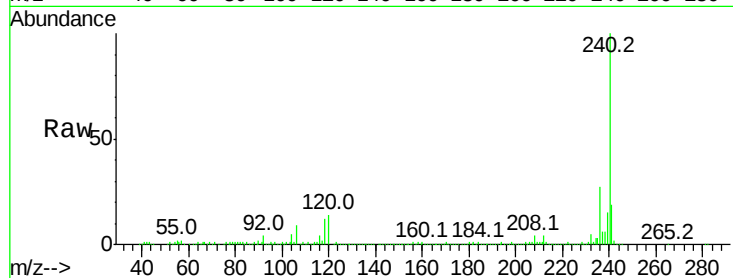
Delta R.T. -0.01 min

Lab File: BF102794.D

Acq: 6 Feb 2018 19:50

Tot Ion:240 Resp: 335788

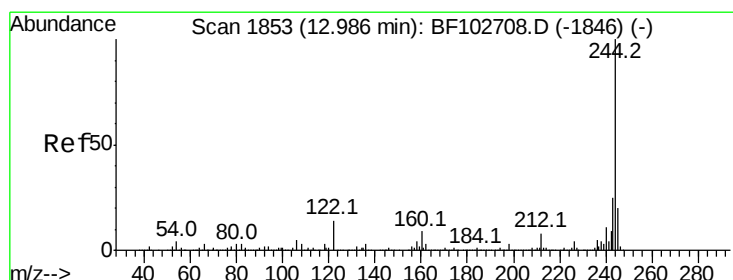
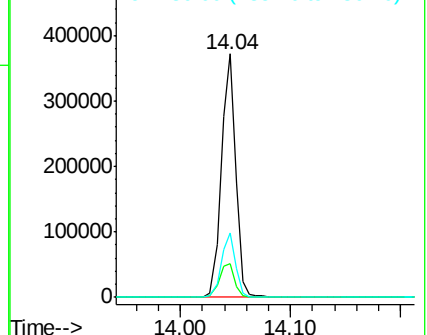
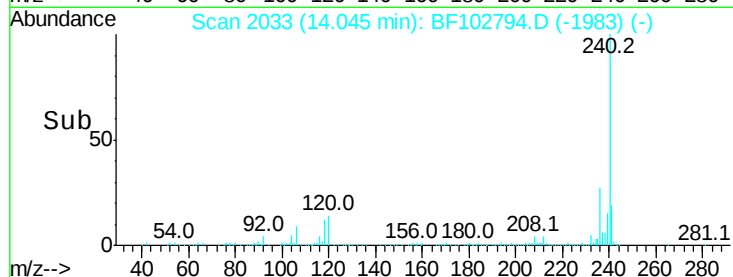
Ion	Ratio	Lower	Upper
240	100		
120	13.9	9.5	14.3
236	26.7	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 68.141 ng

RT: 12.99 min Scan# 1854

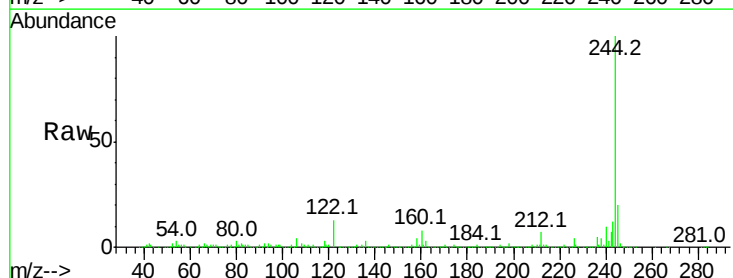
Delta R.T. -0.01 min

Lab File: BF102794.D

Acq: 6 Feb 2018 19:50

Tgt Ion:244 Resp: 966343

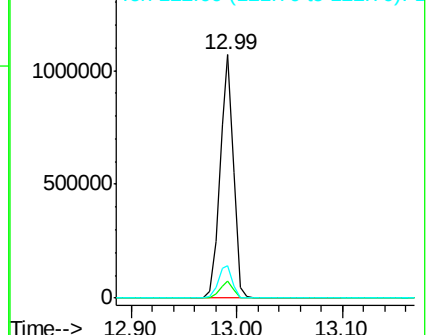
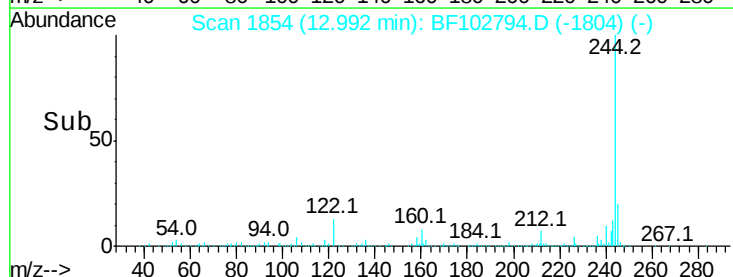
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.4	11.0	16.4

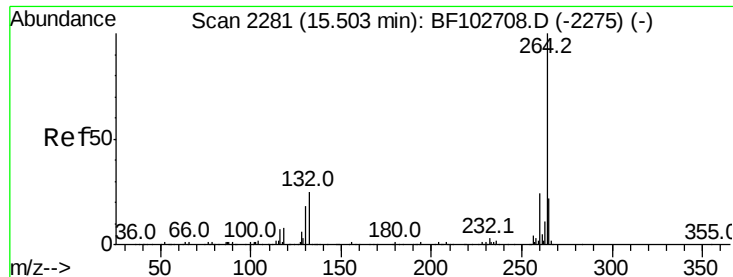


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. -0.00 min
Lab File: BF102794.D
Acq: 6 Feb 2018 19:50

Tot Ion:	264	Resp:	309581
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.9	17.5	26.3

