

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\
 Data File : BF102834.D
 Acq On : 8 Feb 2018 00:23
 Operator : SJ/JU
 Sample : J1473-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 06:29:30 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	6.89	152	189065	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	732033	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	296533	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	434655	20.00	ng	0.00
75) Chrysene-d12	14.05	240	351723	20.00	ng	0.00
86) Perylene-d12	15.53	264	274717	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	1347449	108.23	ng	0.02
7) Phenol-d6	6.52	99	1558049	103.94	ng	0.01
23) Nitrobenzene-d5	7.45	82	967955	91.73	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	252350	105.73	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1380089	77.23	ng	0.00
78) Terphenyl-d14	13.00	244	953834	64.21	ng	0.00

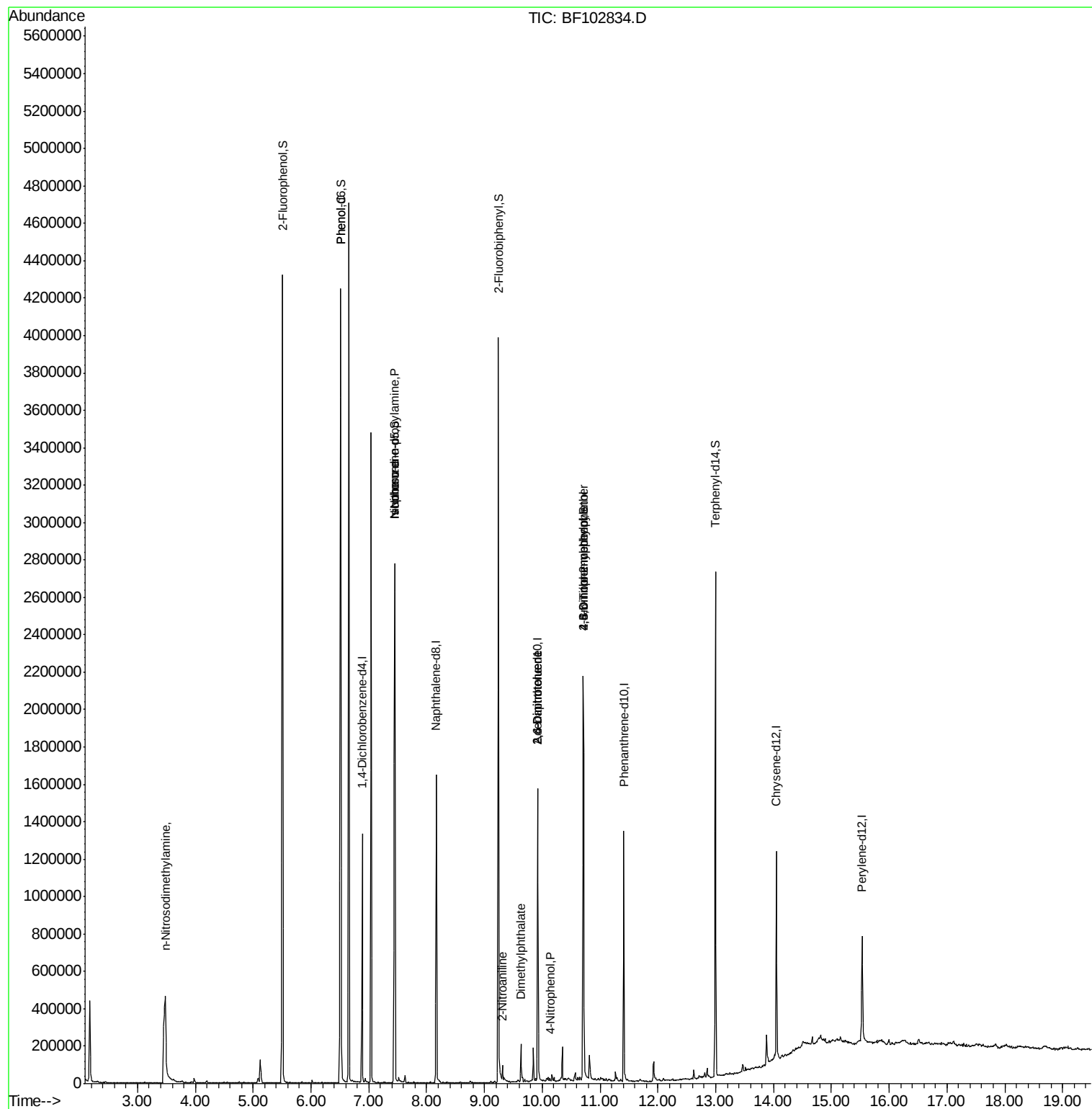
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.48	42	24316	3.35	ng	# 1
10) Phenol	6.52	94	35353	2.20	ng	# 61
19) n-Nitroso-di-n-propylamine	7.45	70	129575	13.11	ng	# 80
25) Isophorone	7.45	82	967939	39.83	ng	# 64
47) 2-Nitroaniline	9.32	65	114	3.49	ng	# 2
49) Dimethylphthalate	9.63	163	74939	3.24	ng	# 99
50) 2,6-Dinitrotoluene	9.92	165	37170	8.45	ng	# 26
55) 4-Nitrophenol	10.13	139	306	4.09	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	37298	8.99	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.71	198	261	8.93	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	15896	3.46	ng	# 1

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

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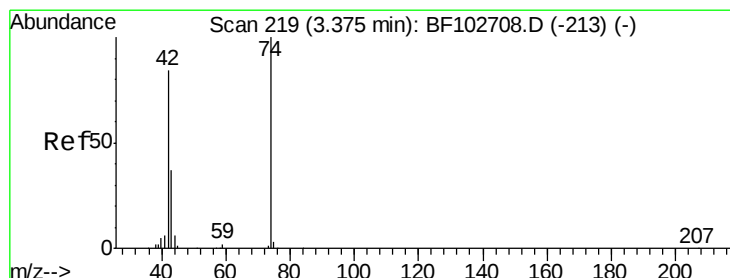
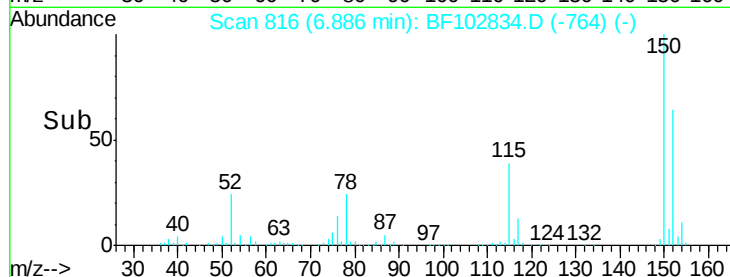
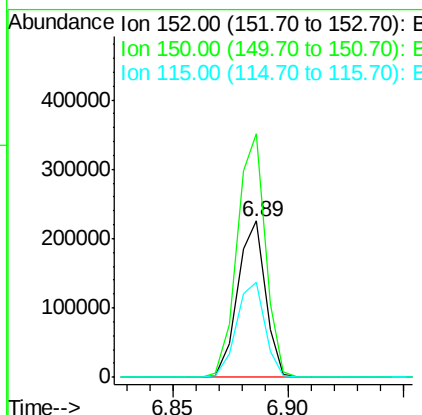
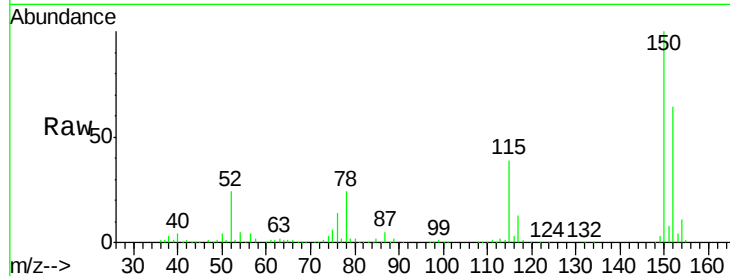


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102834.D
Acq: 8 Feb 2018 00:23

Instrument :
BNA_F
ClientSampleId :

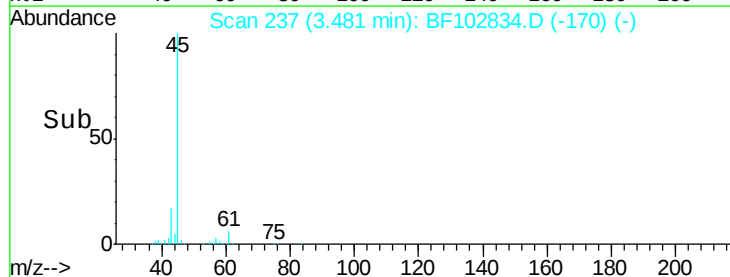
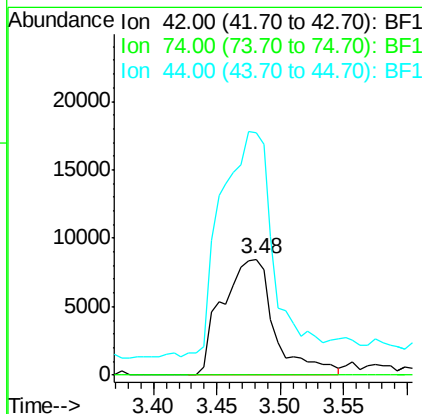
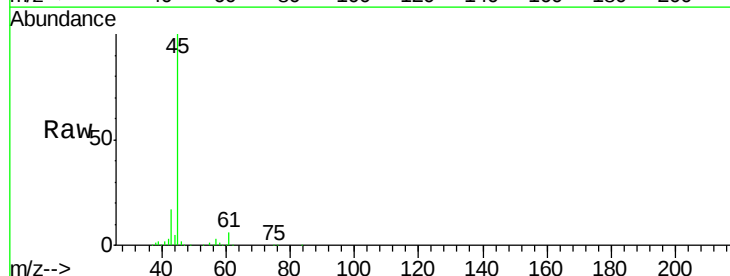
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Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 60.9 50.1 75.1

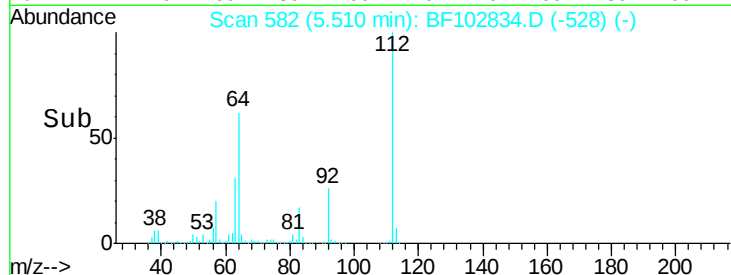
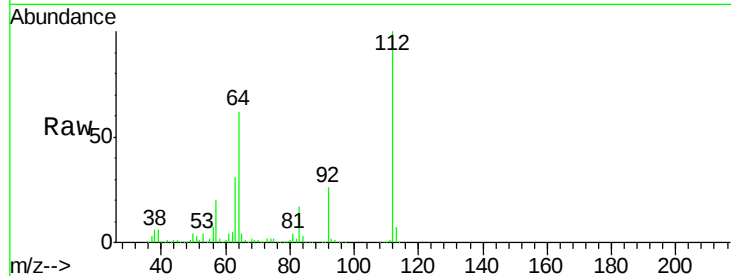
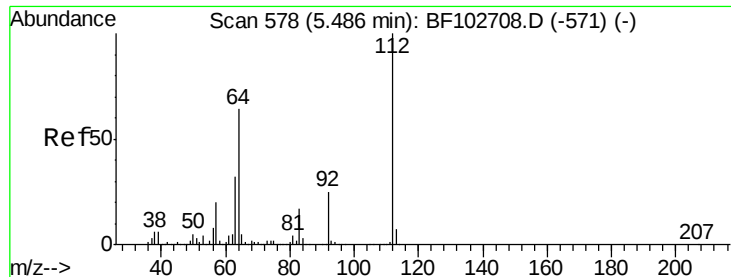


#4

n-Nitrosodimethylamine
Concen: 3.35 ng
RT: 3.48 min Scan# 237
Delta R.T. 0.09 min
Lab File: BF102834.D
Acq: 8 Feb 2018 00:23

Tgt Ion: 42 Resp: 24316
Ion Ratio Lower Upper
42 100
74 0.0 104.9 157.3#
44 209.4 6.9 10.3#

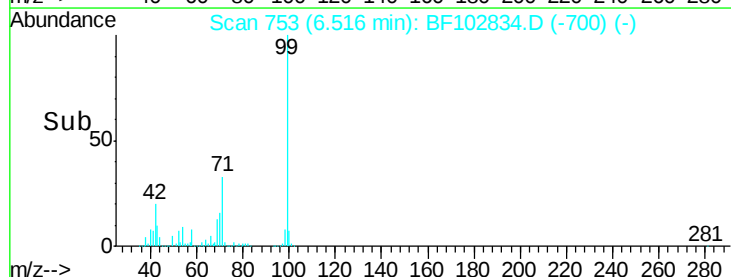
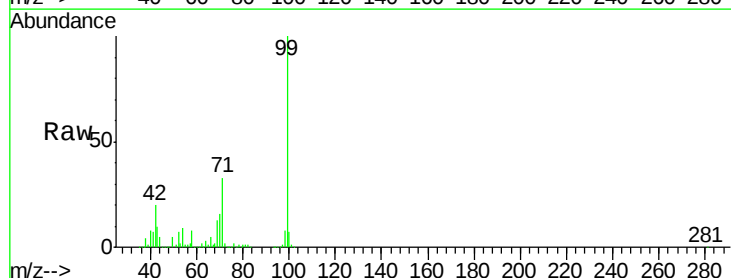
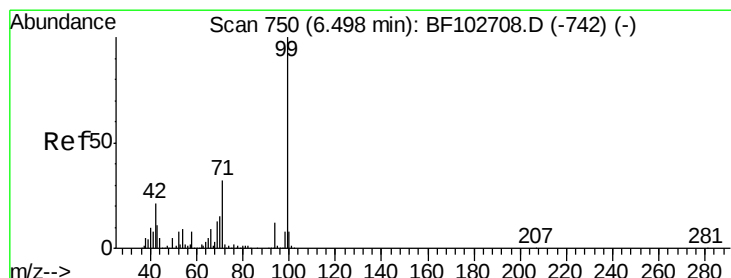
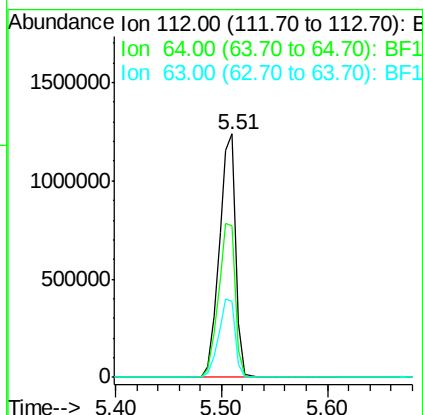




#5
2-Fluorophenol
Concen: 108.23 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF102834.D
Acq: 8 Feb 2018 00:23

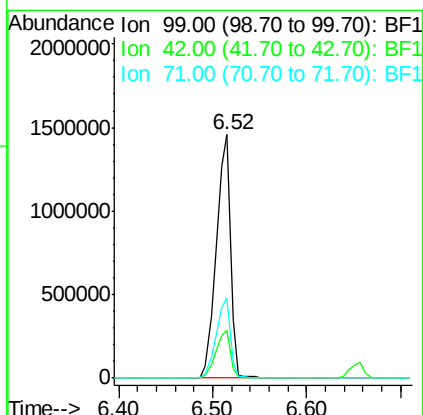
Instrument :
BNA_F
ClientSampleId :

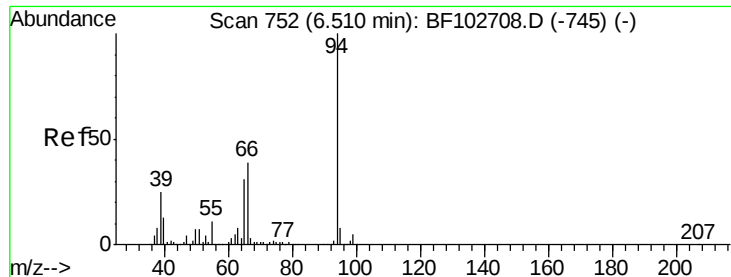
Tot Ion:112 Resp: 1347449
Ion Ratio Lower Upper
112 100
64 62.5 47.9 71.9
63 31.1 23.7 35.5



#7
Phenol-d6
Concen: 103.94 ng
RT: 6.52 min Scan# 753
Delta R.T. 0.01 min
Lab File: BF102834.D
Acq: 8 Feb 2018 00:23

Tgt Ion: 99 Resp: 1558049
Ion Ratio Lower Upper
99 100
42 19.7 14.5 21.7
71 32.9 25.4 38.0

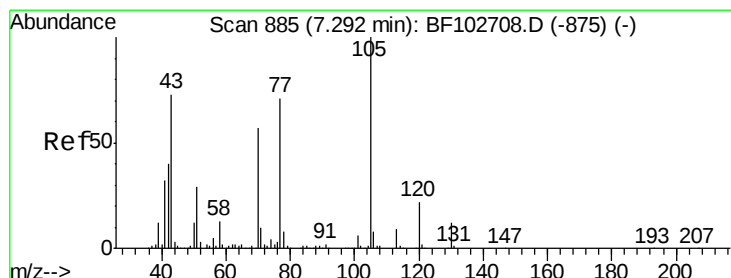
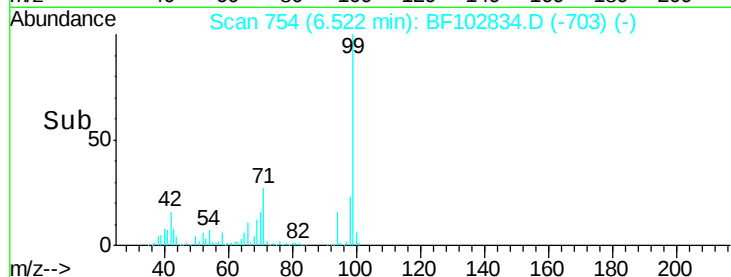
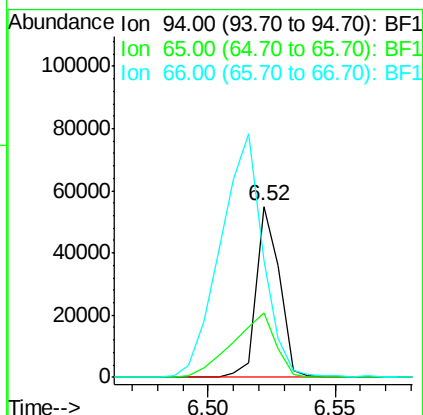
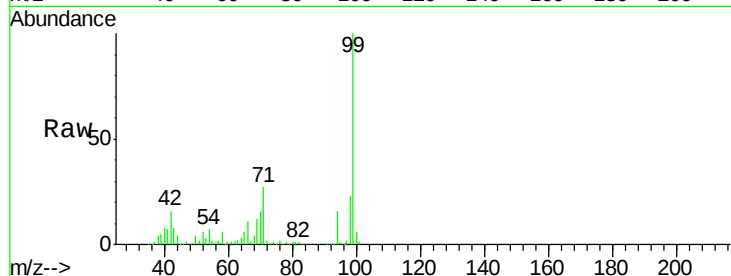




#10
Phenol
Concen: 2.20 ng
RT: 6.52 min Scan# 754
Delta R.T. -0.00 min
Lab File: BF102834.D
Acq: 8 Feb 2018 00:23

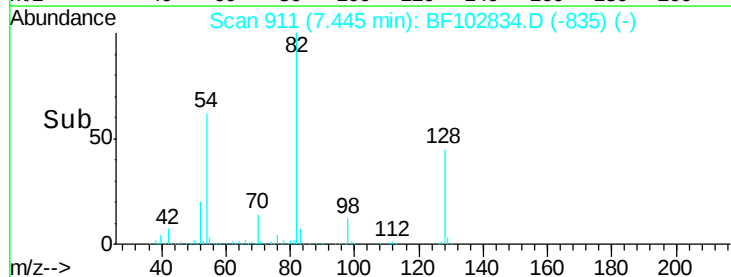
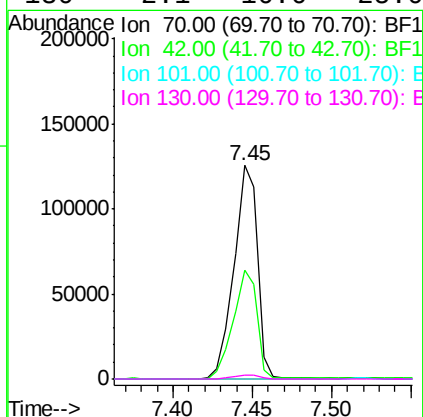
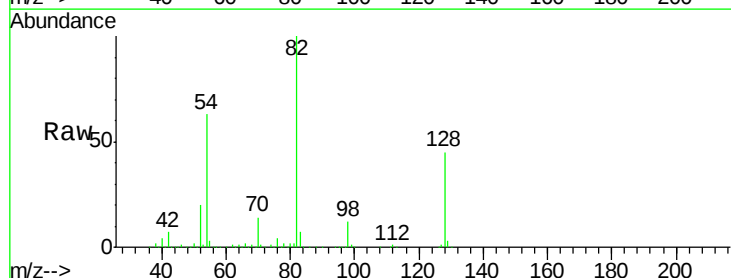
Instrument :
BNA_F
ClientSampled :

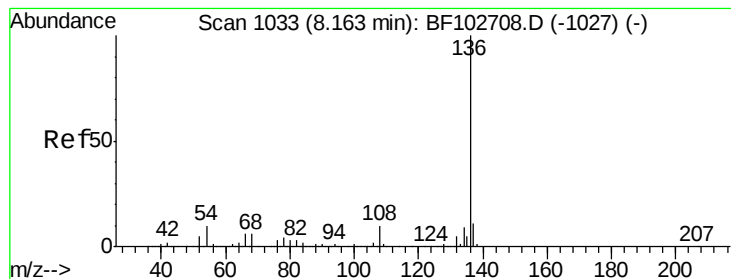
Tot Ion: 94 Resp: 35353
Ion Ratio Lower Upper
94 100
65 37.4 7.9 47.9
66 68.3 16.2 56.2#



#19
n-Nitroso-di-n-propylamine
Concen: 13.11 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.15 min
Lab File: BF102834.D
Acq: 8 Feb 2018 00:23

Tgt Ion: 70 Resp: 129575
Ion Ratio Lower Upper
70 100
42 50.8 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF102834.D

Acq: 8 Feb 2018 00:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 732033

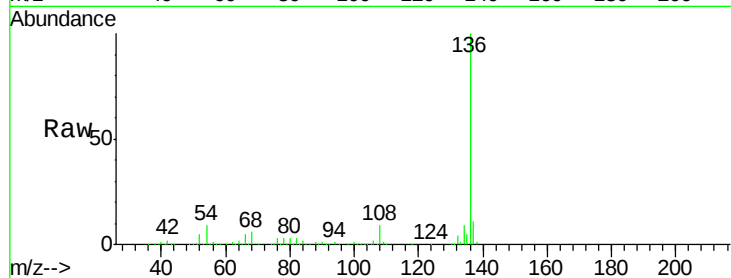
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.2 6.6 9.8

68 6.1 5.0 7.4

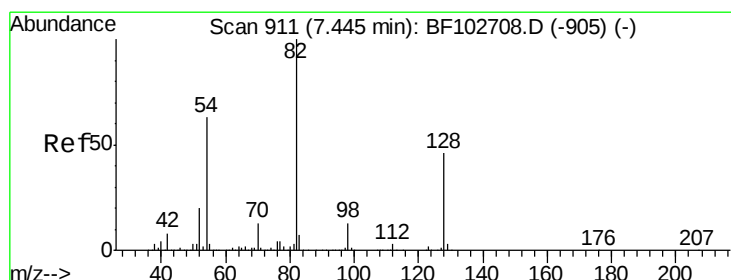
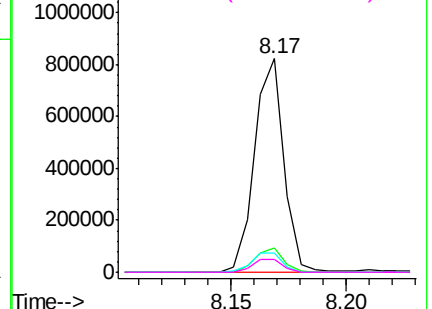
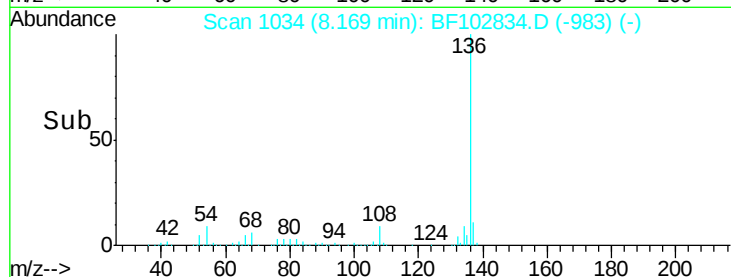


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.73 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF102834.D

Acq: 8 Feb 2018 00:23

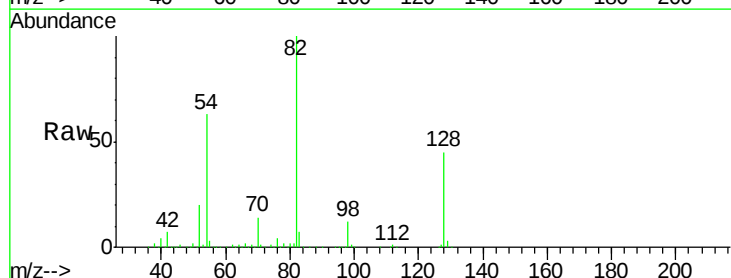
Tgt Ion: 82 Resp: 967955

Ion Ratio Lower Upper

82 100

128 45.4 36.1 54.1

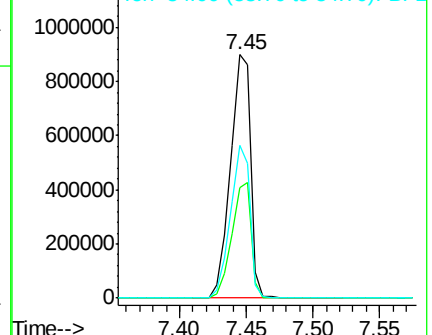
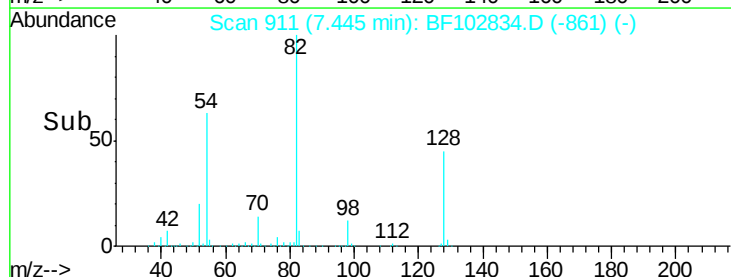
54 62.5 41.4 62.2#

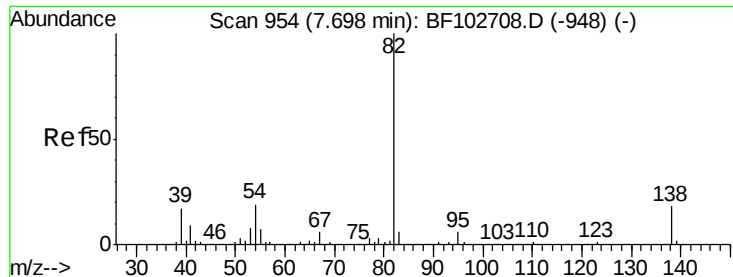


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.83 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102834.D

Acq: 8 Feb 2018 00:23

Instrument :

BNA_F

ClientSampleId :

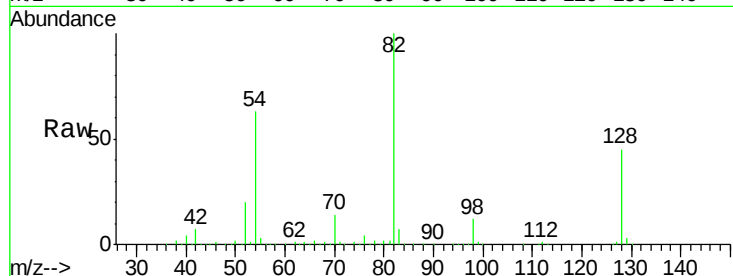
Tot Ion: 82 Resp: 967939

Ion Ratio Lower Upper

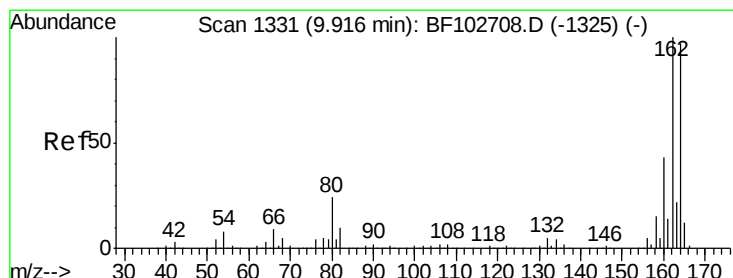
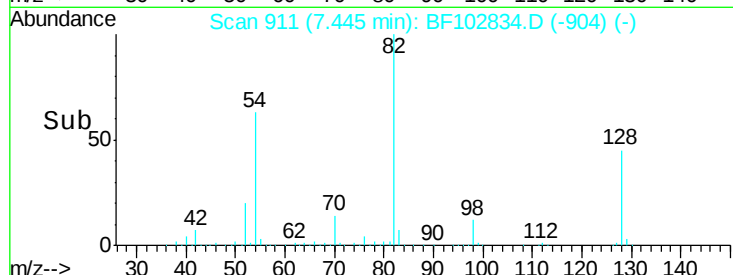
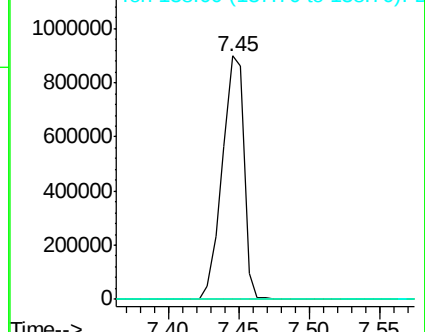
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.00 min

Lab File: BF102834.D

Acq: 8 Feb 2018 00:23

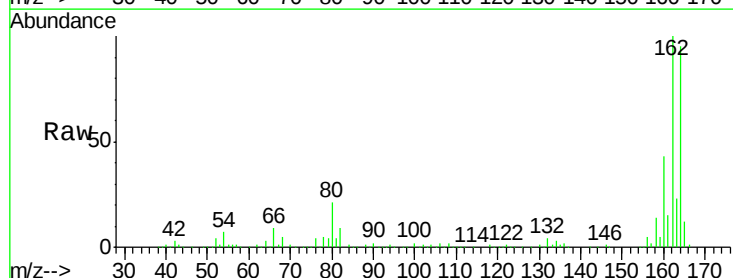
Tgt Ion: 164 Resp: 296533

Ion Ratio Lower Upper

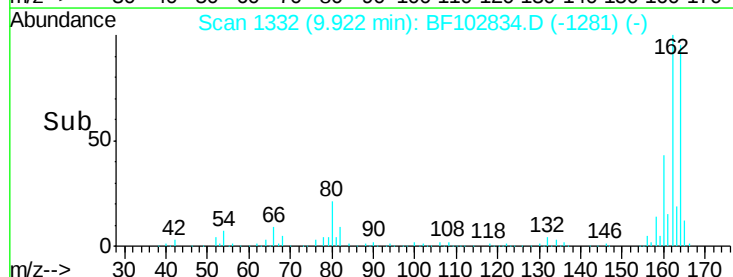
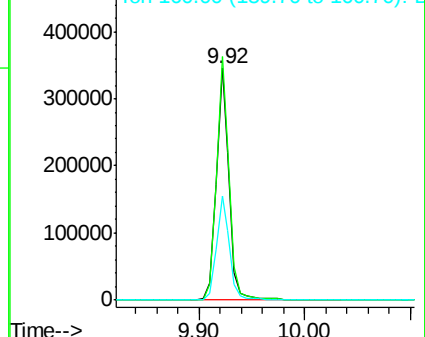
164 100

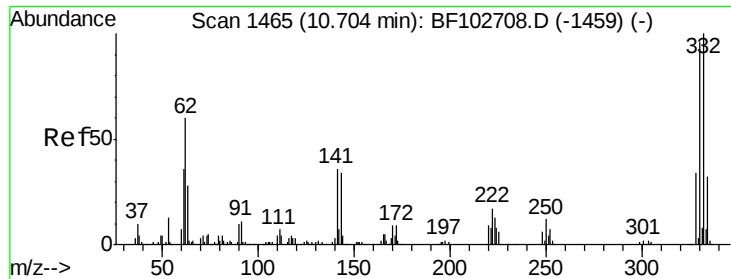
162 105.2 86.1 129.1

160 44.9 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

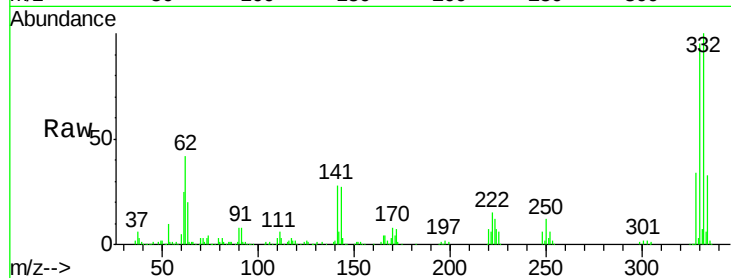




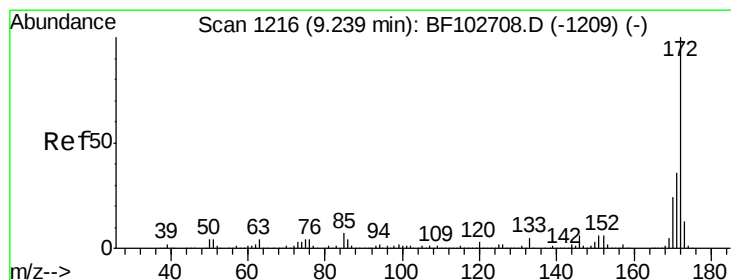
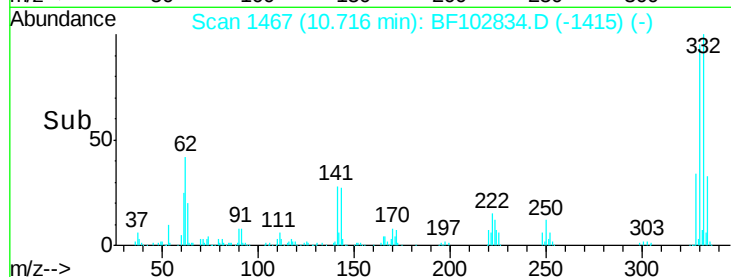
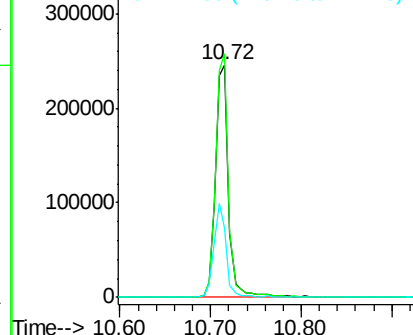
#41
 2,4,6-Tribromophenol
 Concen: 105.73 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF102834.D
 Acq: 8 Feb 2018 00:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 252350
 Ion Ratio Lower Upper
 330 100
 332 101.9 77.0 115.6
 141 38.5 29.9 44.9

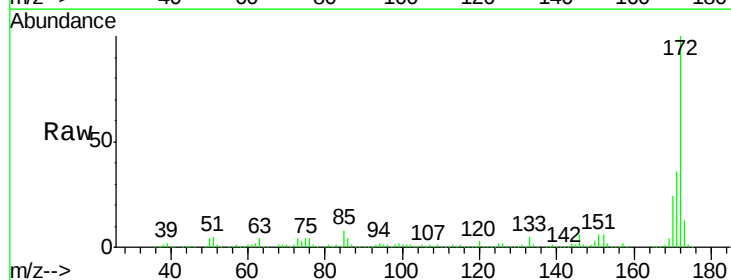


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

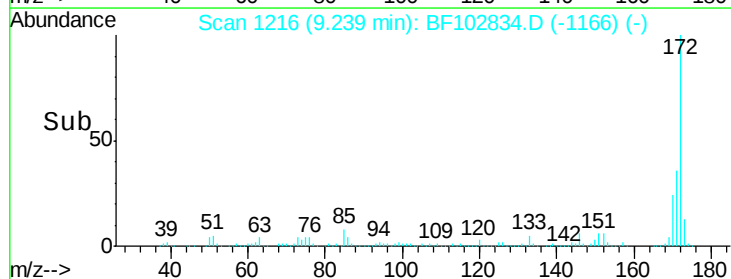
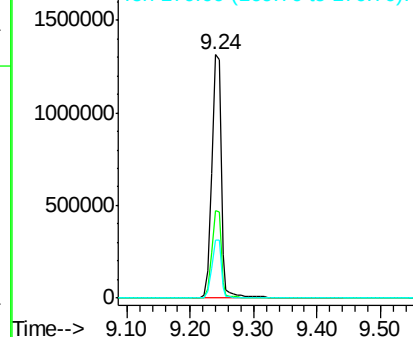


#44
 2-Fluorobiphenyl
 Concen: 77.23 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102834.D
 Acq: 8 Feb 2018 00:23

Tgt Ion:172 Resp: 1380089
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.8 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: 3.49 ng

RT: 9.32 min Scan# 1229

Delta R.T. -0.15 min

Lab File: BF102834.D

Acq: 8 Feb 2018 00:23

Instrument :

BNA_F

ClientSampleId :

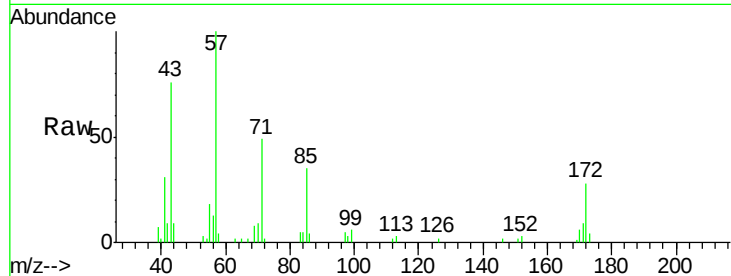
Tot Ion: 65 Resp: 114

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

138 0.0 91.2 136.8#

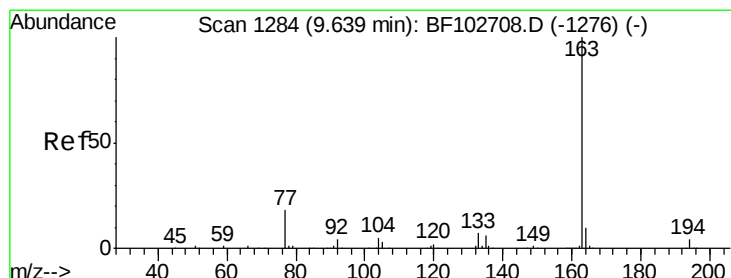
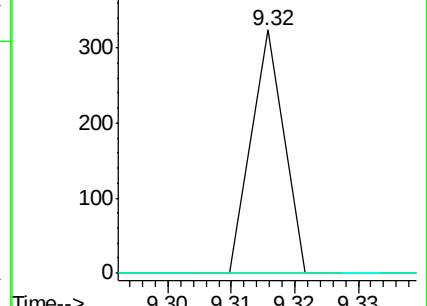
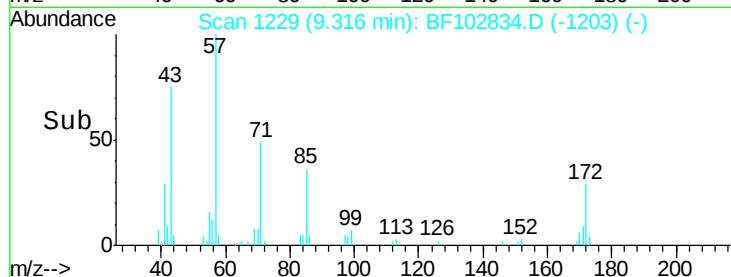


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time-->



#49

Dimethylphthalate

Concen: 3.24 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF102834.D

Acq: 8 Feb 2018 00:23

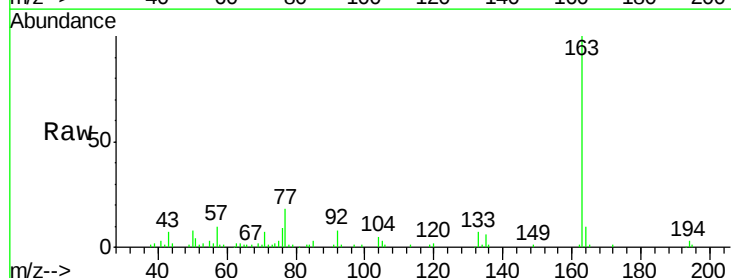
Tgt Ion: 163 Resp: 74939

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

164 9.7 8.2 12.2

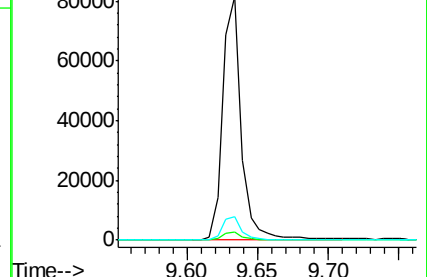
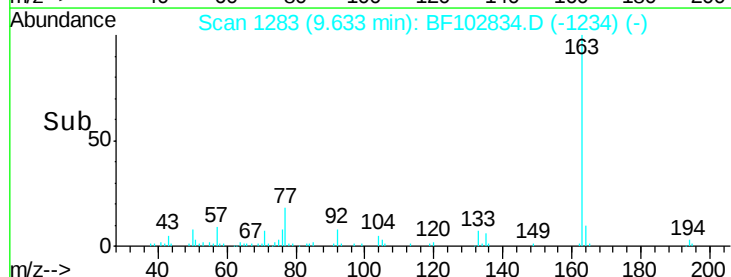


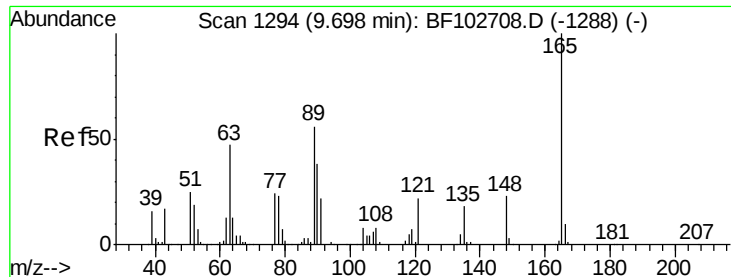
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->

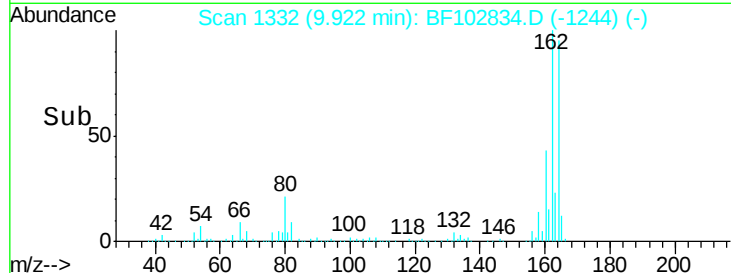
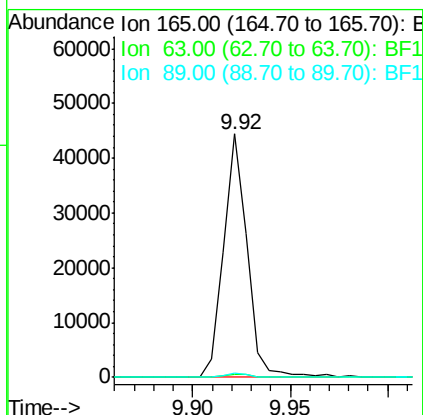
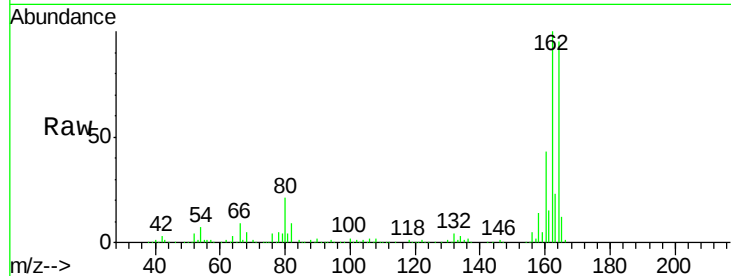




#50
 2,6-Dinitrotoluene
 Concen: 8.45 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.22 min
 Lab File: BF102834.D
 Acq: 8 Feb 2018 00:23

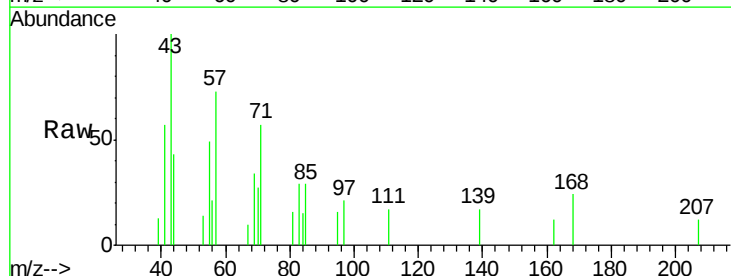
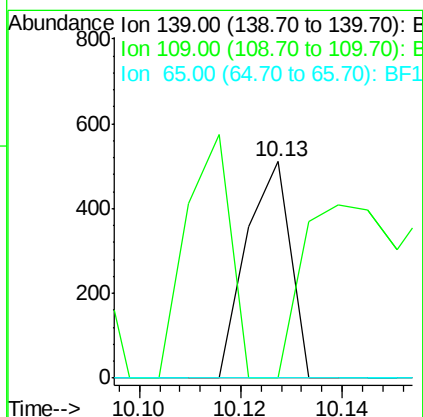
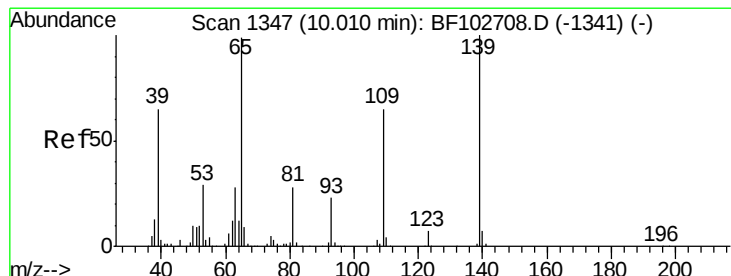
Instrument :
 BNA_F
 ClientSampleId :

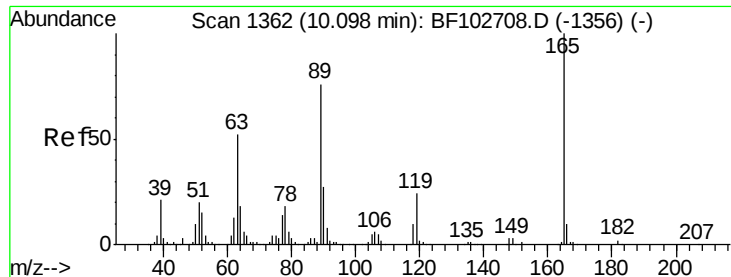
Tot Ion:165 Resp: 37170
 Ion Ratio Lower Upper
 165 100
 63 1.4 44.7 67.1#
 89 1.8 44.0 66.0#



#55
 4-Nitrophenol
 Concen: 4.09 ng
 RT: 10.13 min Scan# 1367
 Delta R.T. 0.11 min
 Lab File: BF102834.D
 Acq: 8 Feb 2018 00:23

Tgt Ion:139 Resp: 306
 Ion Ratio Lower Upper
 139 100
 109 0.0 48.4 88.4#
 65 0.0 72.6 112.6#

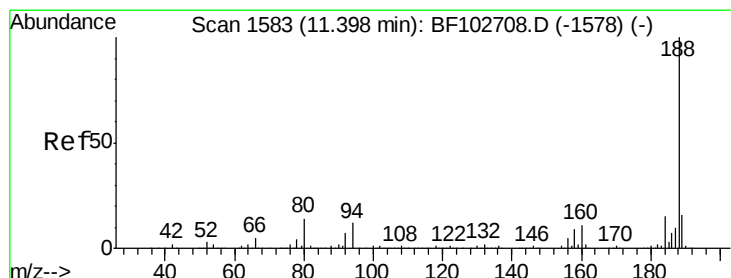
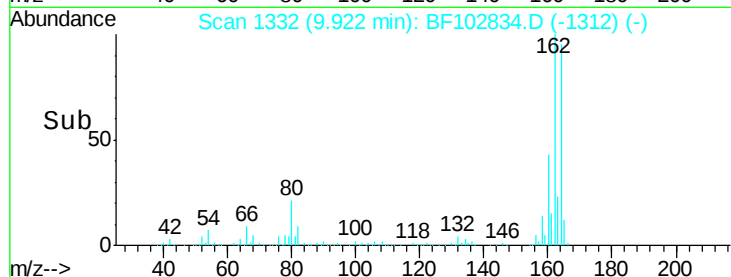
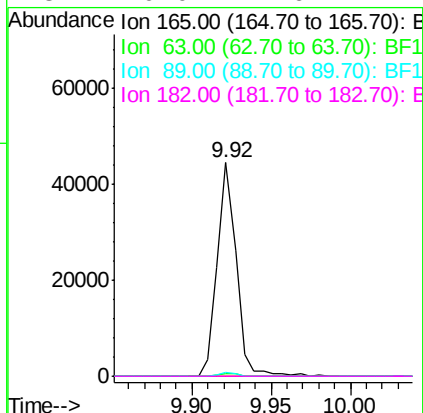
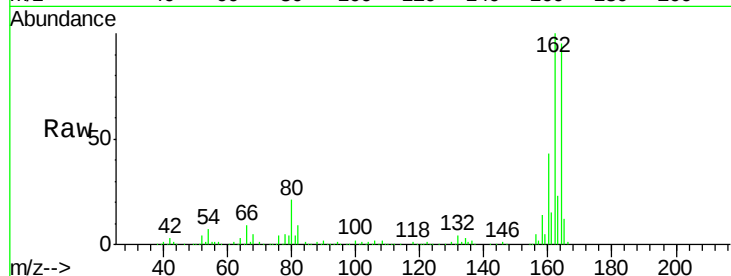




#56
 2,4-Dinitrotoluene
 Concen: 8.99 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.18 min
 Lab File: BF102834.D
 Acq: 8 Feb 2018 00:23

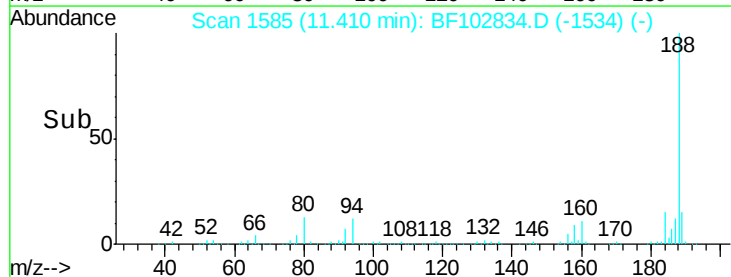
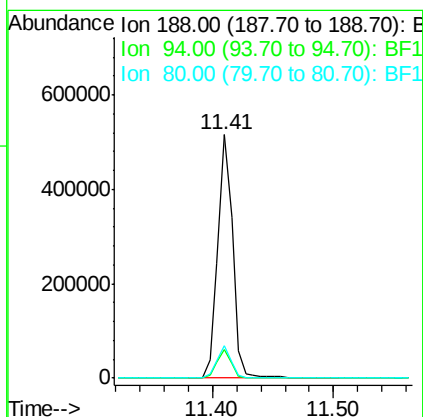
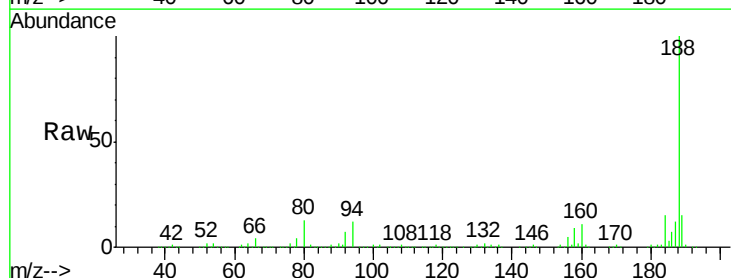
Instrument :
 BNA_F
 ClientSampleId :

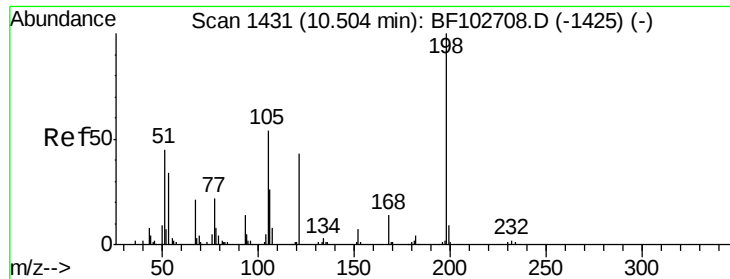
Tot Ion:165 Resp: 37298
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.4 54.6#
 89 1.8 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF102834.D
 Acq: 8 Feb 2018 00:23

Tgt Ion:188 Resp: 434655
 Ion Ratio Lower Upper
 188 100
 94 11.6 8.5 12.7
 80 13.3 9.2 13.8

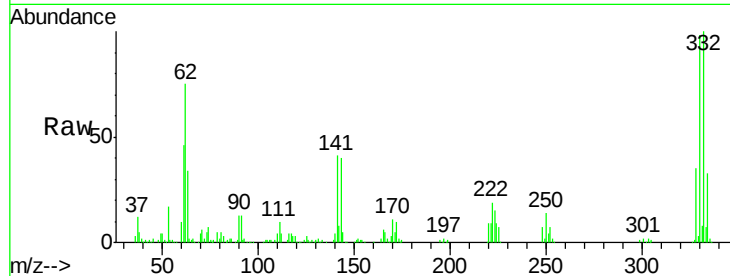




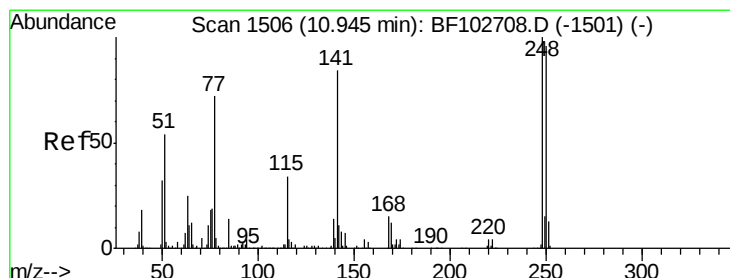
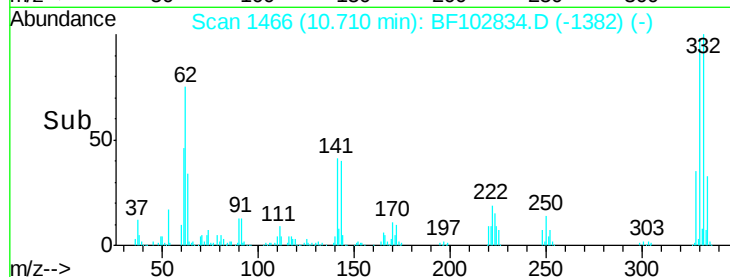
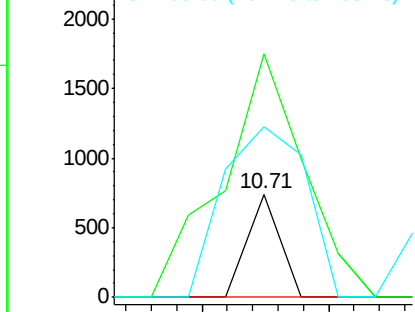
#64
4,6-Dinitro-2-methylphenol
Concen: 8.93 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF102834.D
Acq: 8 Feb 2018 00:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 261
Ion Ratio Lower Upper
198 100
51 236.2 37.7 77.7#
105 165.5 36.3 76.3#

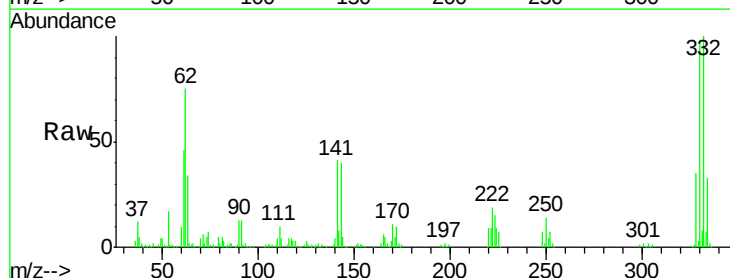


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

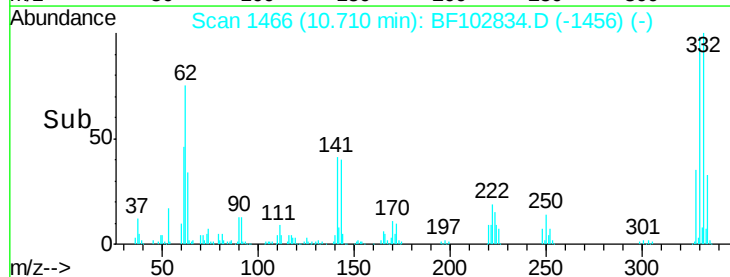
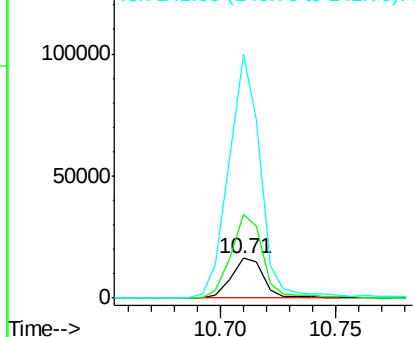


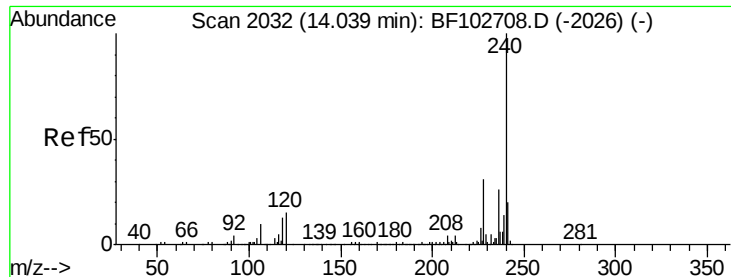
#66
4-Bromophenyl-phenylether
Concen: 3.46 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF102834.D
Acq: 8 Feb 2018 00:23

Tgt Ion:248 Resp: 15896
Ion Ratio Lower Upper
248 100
250 209.0 76.9 115.3#
141 612.1 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF102834.D

Acq: 8 Feb 2018 00:23

Instrument :

BNA_F

ClientSampled :

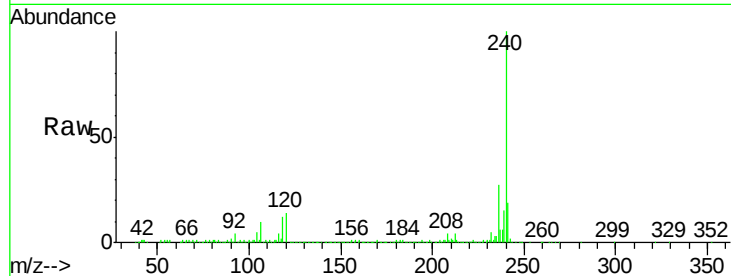
Tot Ion:240 Resp: 351723

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

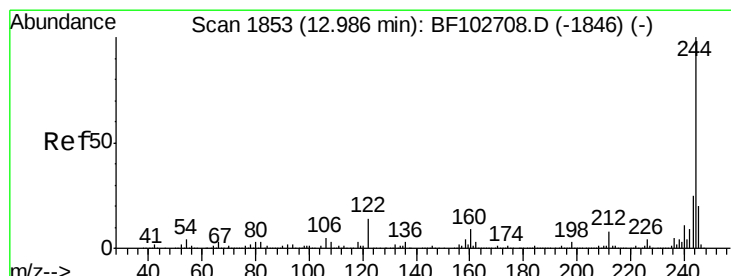
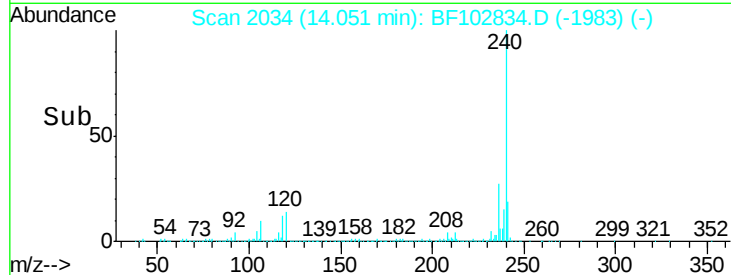
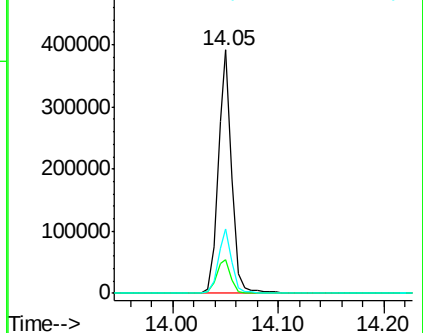
236 26.7 20.7 31.1



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: 64.21 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF102834.D

Acq: 8 Feb 2018 00:23

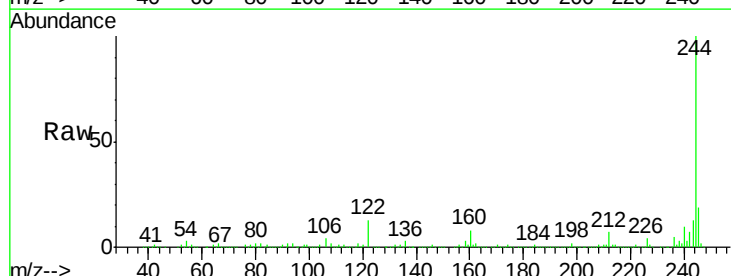
Tgt Ion:244 Resp: 953834

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

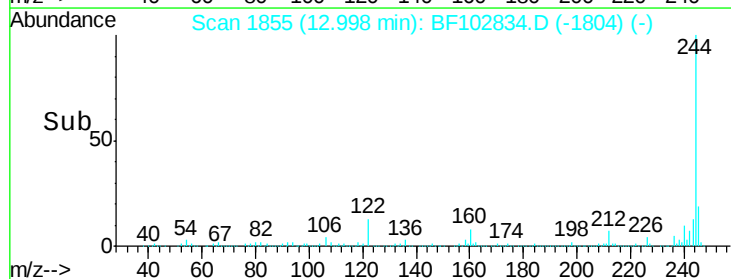
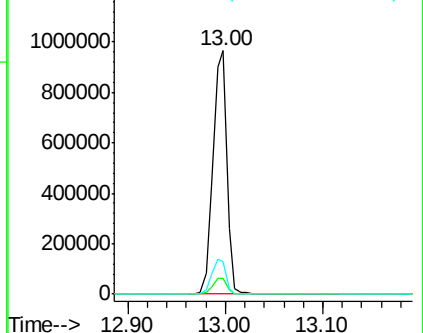
122 13.4 11.0 16.4

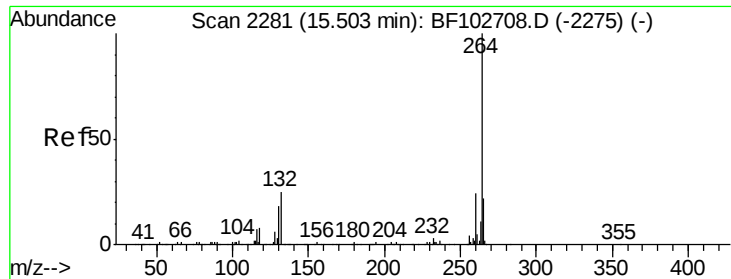


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF102834.D
Acq: 8 Feb 2018 00:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.1	17.5	26.3

