

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102929.D
 Acq On : 12 Feb 2018 19:11
 Operator : SJ/JU
 Sample : J1517-15
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 13 01:05:10 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

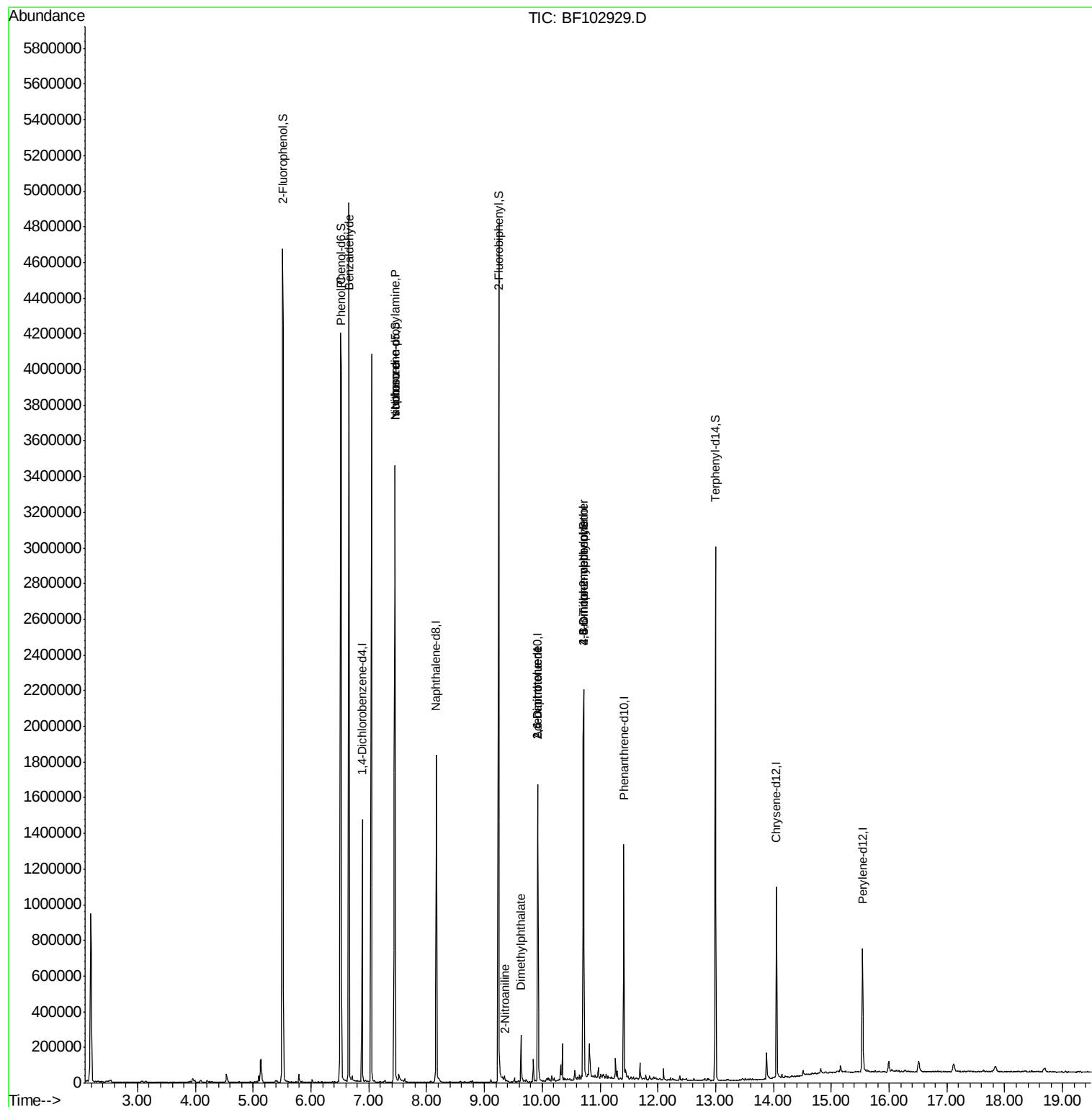
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	198241	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	817152	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	325375	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	455131	20.00	ng	0.00
75) Chrysene-d12	14.05	240	350590	20.00	ng	0.00
86) Perylene-d12	15.54	264	312746	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1454719	111.44	ng	0.02
7) Phenol-d6	6.52	99	1759987	111.98	ng	0.01
23) Nitrobenzene-d5	7.45	82	1180202	100.19	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	246485	94.12	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1584895	80.83	ng	0.00
78) Terphenyl-d14	13.00	244	999467	67.50	ng	0.00
Target Compounds						
9) Benzaldehyde	6.66	77	31356	2.69	ng	83
10) Phenol	6.53	94	41193	2.45	ng	94
19) n-Nitroso-di-n-propylamine	7.45	70	160124	15.45	ng	# 81
25) Isophorone	7.45	82	1180192	43.51	ng	# 64
47) 2-Nitroaniline	9.36	65	147	3.49	ng	# 2
49) Dimethylphthalate	9.63	163	99577	3.92	ng	98
50) 2,6-Dinitrotoluene	9.92	165	41931	8.69	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	41932	9.14	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.72	198	361	8.97	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	16029	3.33	ng	# 1

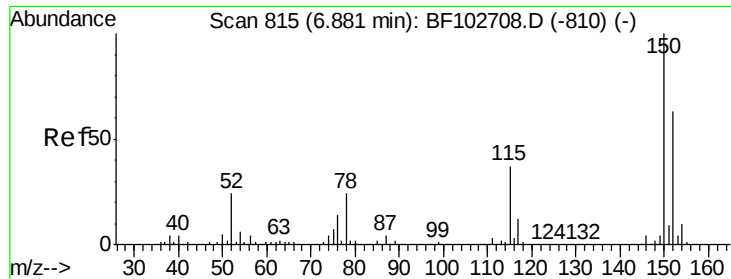
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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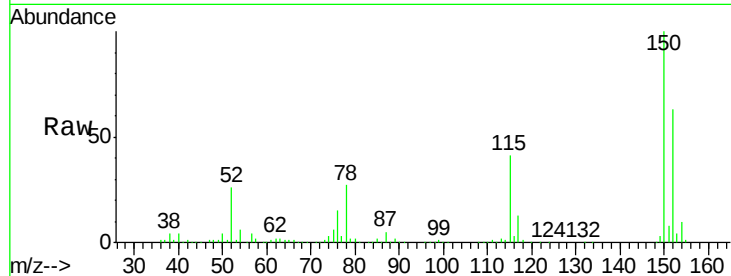


#1

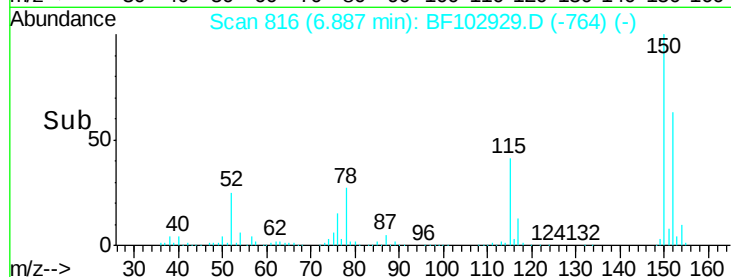
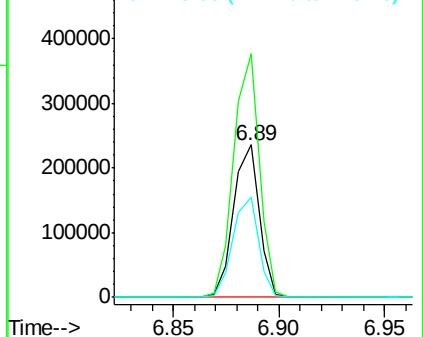
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102929.D
Acq: 12 Feb 2018 19:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 198241
Ion Ratio Lower Upper
152 100
150 160.0 124.6 186.8
115 66.2 50.1 75.1



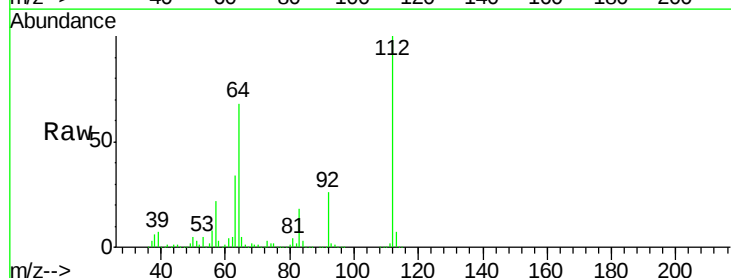
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



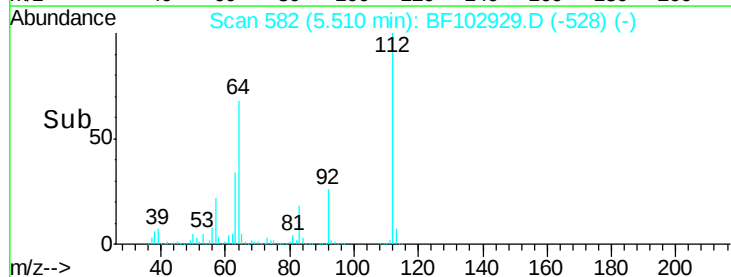
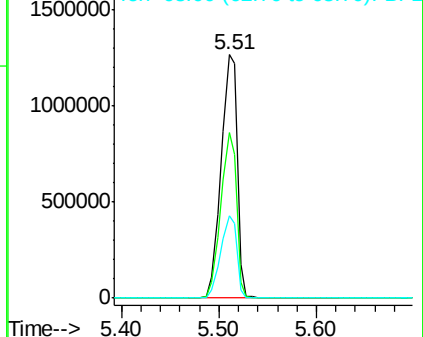
#5

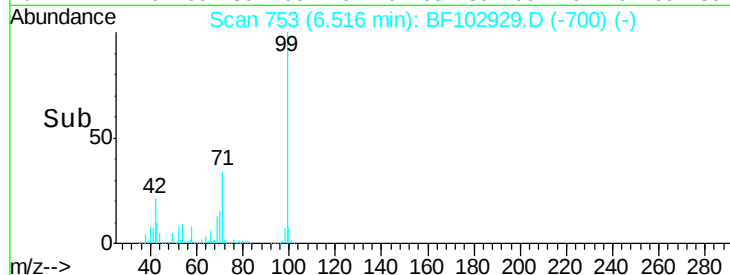
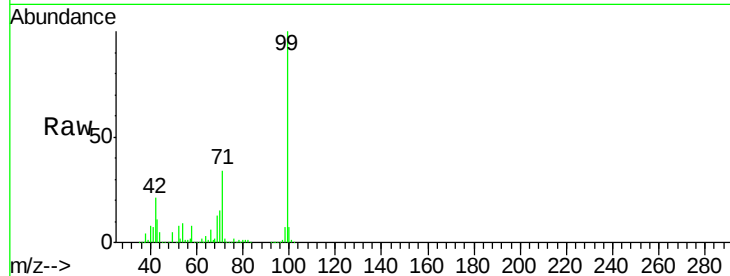
2-Fluorophenol
Concen: 111.44 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF102929.D
Acq: 12 Feb 2018 19:11

Tgt Ion:112 Resp: 1454719
Ion Ratio Lower Upper
112 100
64 67.9 47.9 71.9
63 34.1 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: 111.98 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102929.D

Acq: 12 Feb 2018 19:11

Instrument :

BNA_F

ClientSampleId :

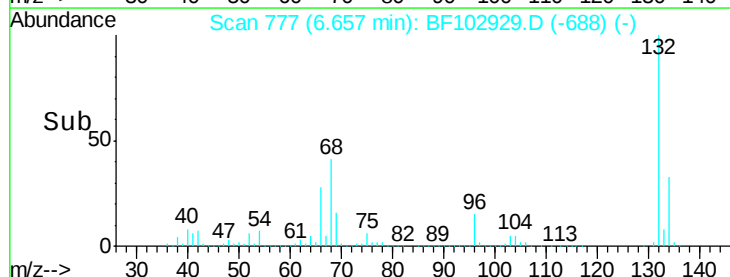
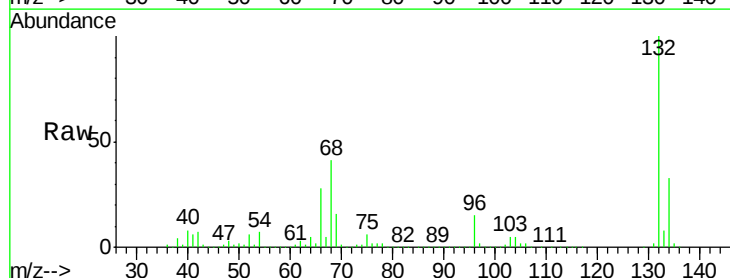
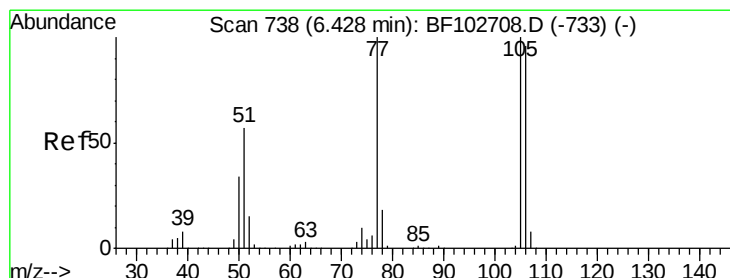
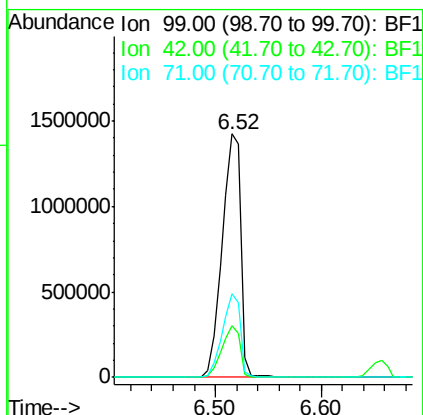
Tot Ion: 99 Resp: 1759987

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

71 34.1 25.4 38.0



#9

Benzaldehyde

Concen: 2.69 ng

RT: 6.66 min Scan# 777

Delta R.T. 0.22 min

Lab File: BF102929.D

Acq: 12 Feb 2018 19:11

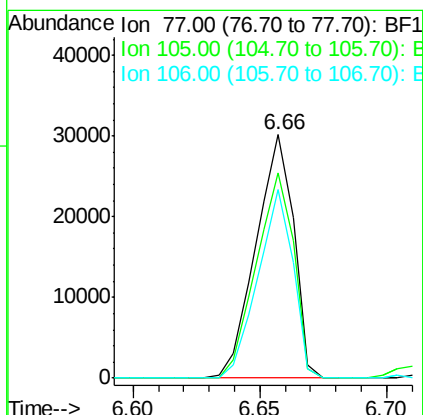
Tgt Ion: 77 Resp: 31356

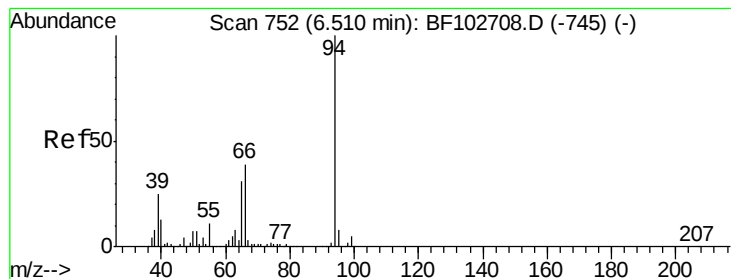
Ion Ratio Lower Upper

77 100

105 84.2 81.1 121.1

106 77.5 74.5 114.5





#10

Phenol

Concen: 2.45 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF102929.D

Acq: 12 Feb 2018 19:11

Instrument :

BNA_F

ClientSampled :

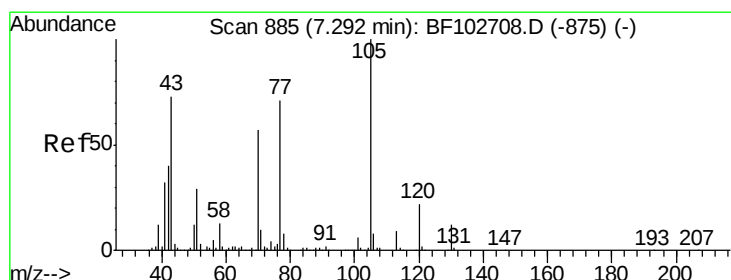
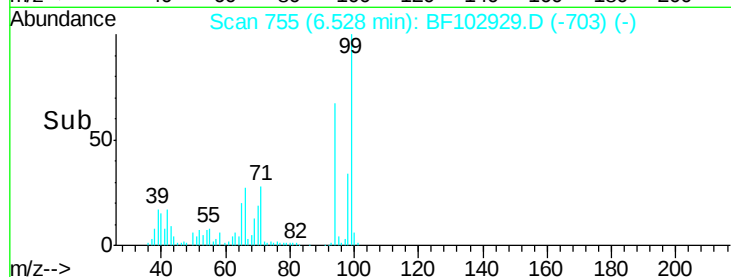
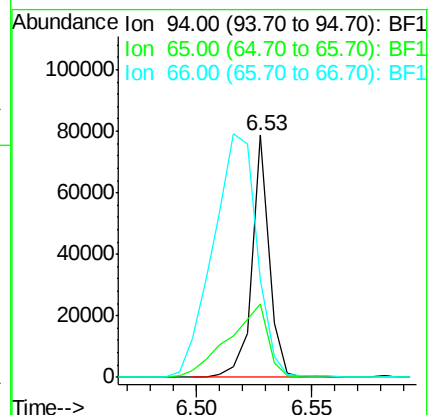
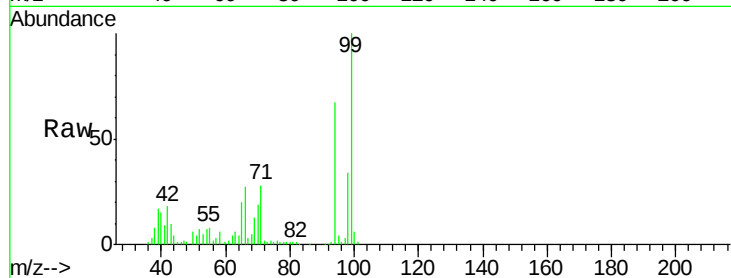
Tot Ion: 94 Resp: 41193

Ion Ratio Lower Upper

94 100

65 30.3 7.9 47.9

66 40.2 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 15.45 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.15 min

Lab File: BF102929.D

Acq: 12 Feb 2018 19:11

Tgt Ion: 70 Resp: 160124

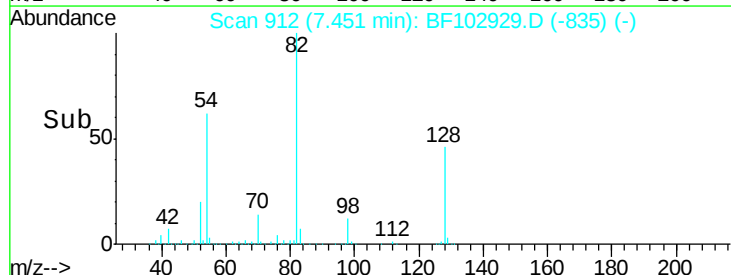
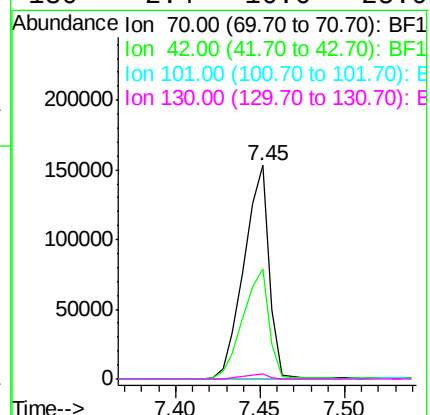
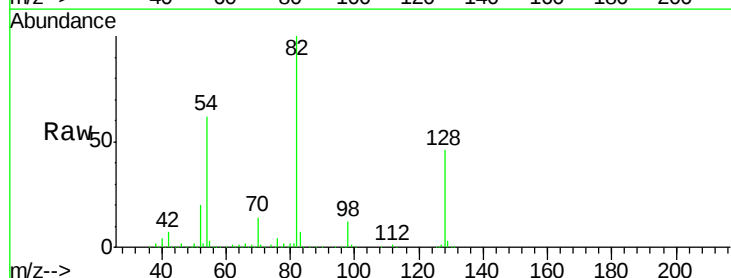
Ion Ratio Lower Upper

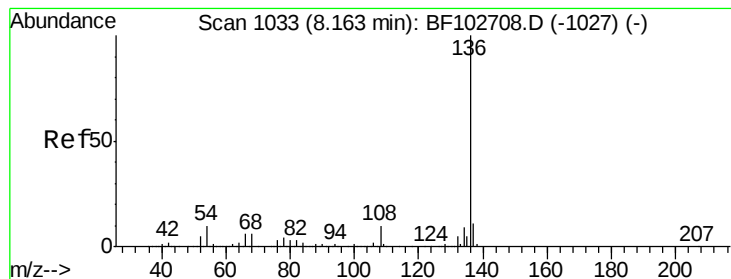
70 100

42 51.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 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: BF102929.D

Acq: 12 Feb 2018 19:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 817152

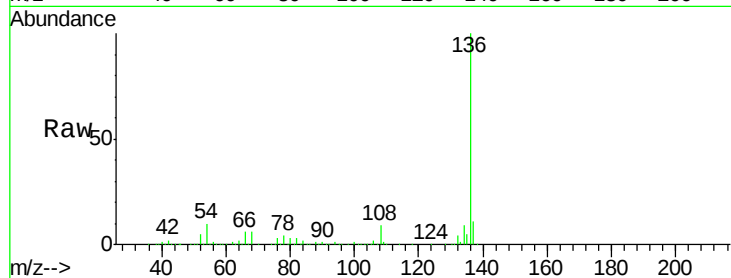
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.6 6.6 9.8

68 6.4 5.0 7.4

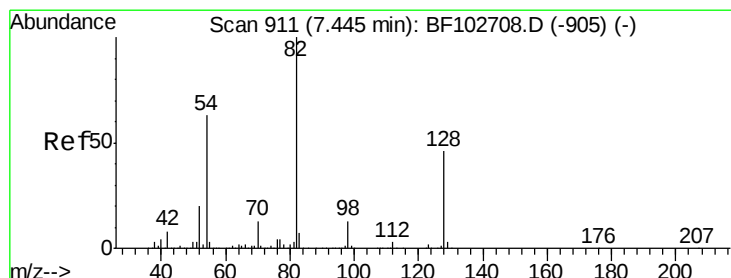
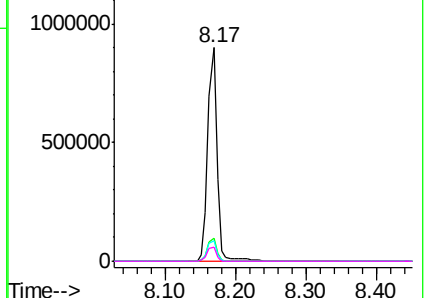
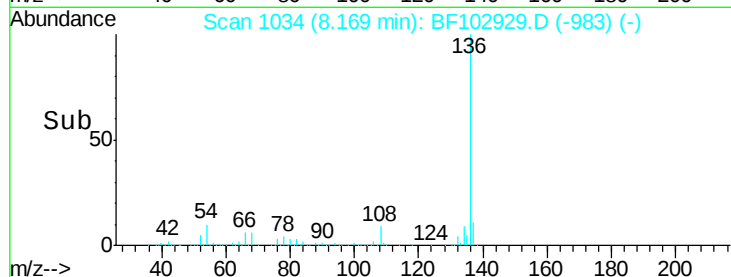


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 100.19 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.00 min

Lab File: BF102929.D

Acq: 12 Feb 2018 19:11

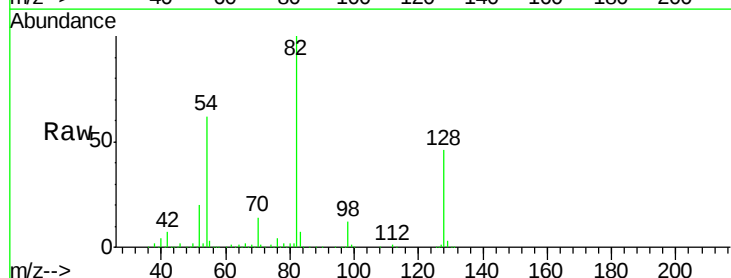
Tgt Ion: 82 Resp: 1180202

Ion Ratio Lower Upper

82 100

128 46.3 36.1 54.1

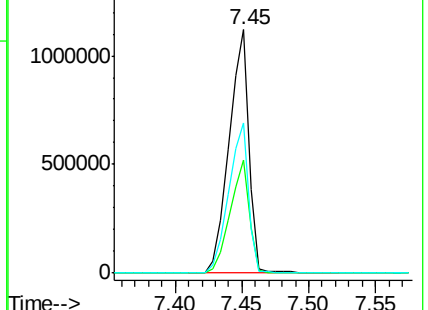
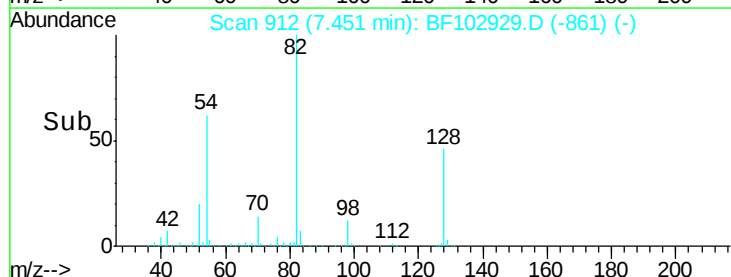
54 61.7 41.4 62.2

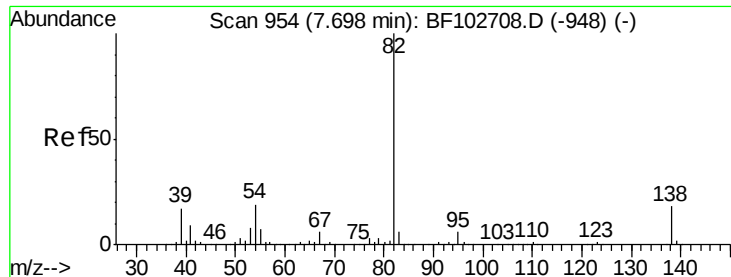


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.51 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.25 min

Lab File: BF102929.D

Acq: 12 Feb 2018 19:11

Instrument :

BNA_F

ClientSampled :

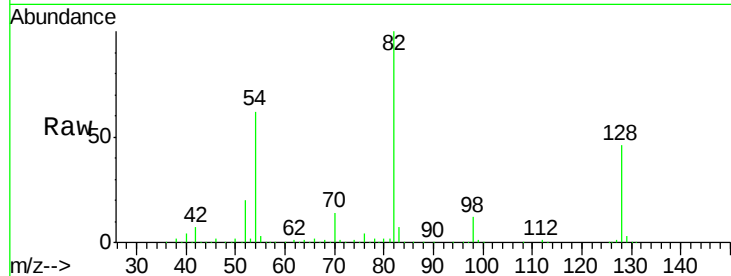
Tot Ion: 82 Resp: 1180192

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

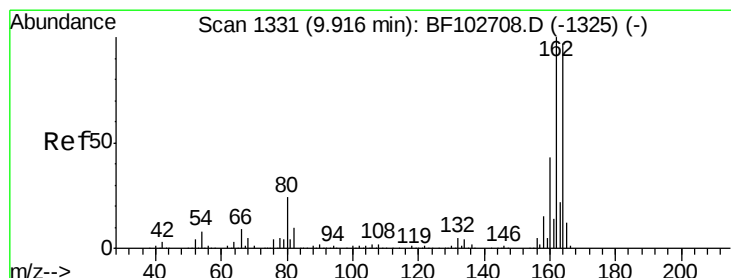
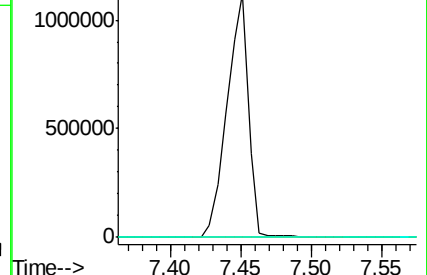
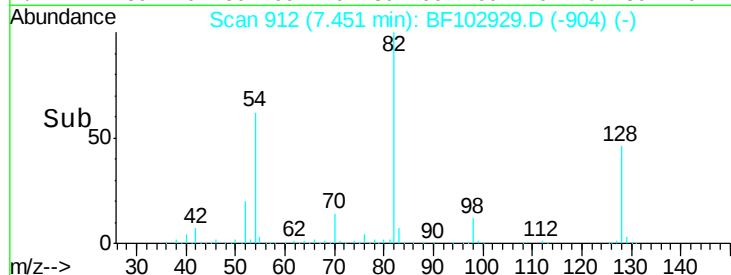
138 0.0 14.9 22.3#



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: BF102929.D

Acq: 12 Feb 2018 19:11

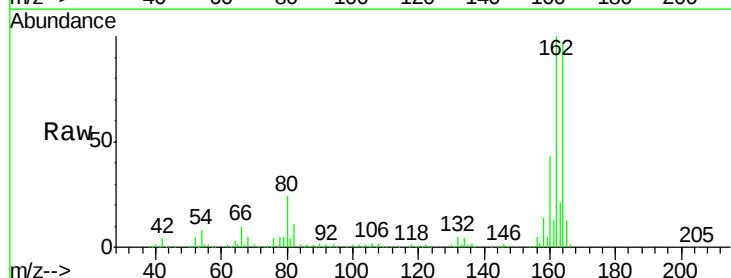
Tgt Ion:164 Resp: 325375

Ion Ratio Lower Upper

164 100

162 102.6 86.1 129.1

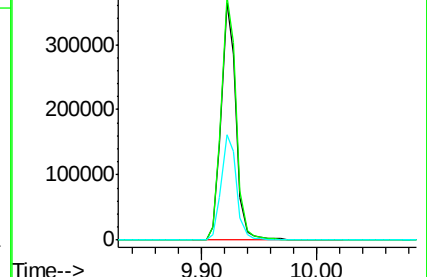
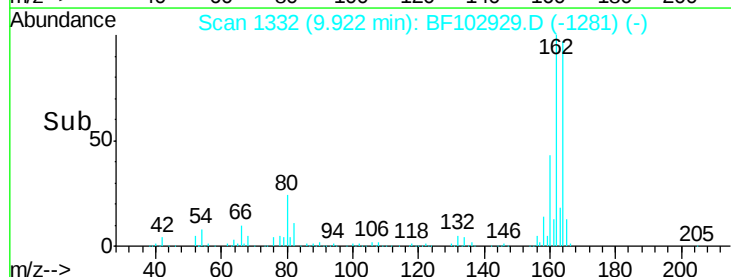
160 44.4 38.3 57.5

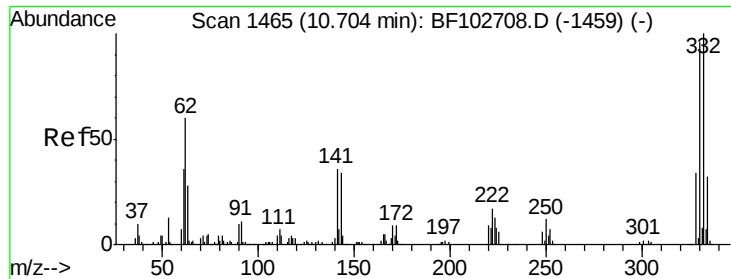


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 94.12 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.01 min

Lab File: BF102929.D

Acq: 12 Feb 2018 19:11

Instrument :

BNA_F

ClientSampleId :

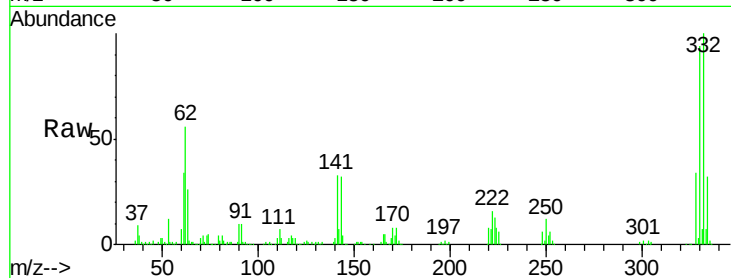
Tot Ion:330 Resp: 246485

Ion Ratio Lower Upper

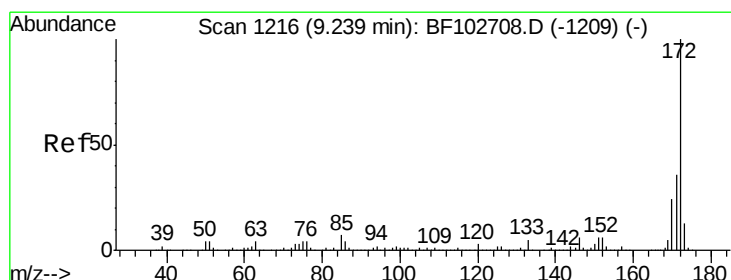
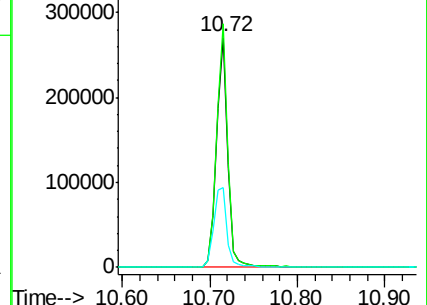
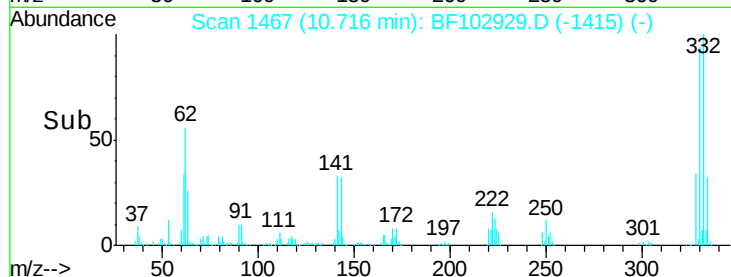
330 100

332 103.7 77.0 115.6

141 40.3 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: 80.83 ng

RT: 9.25 min Scan# 1217

Delta R.T. 0.00 min

Lab File: BF102929.D

Acq: 12 Feb 2018 19:11

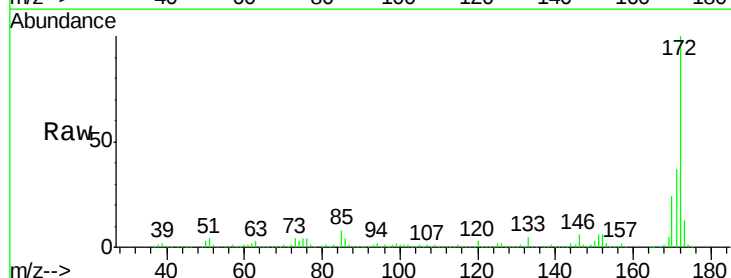
Tgt Ion:172 Resp: 1584895

Ion Ratio Lower Upper

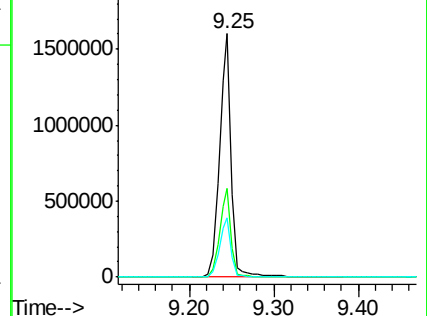
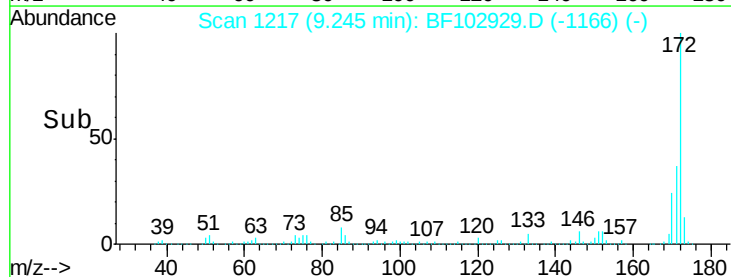
172 100

171 36.5 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

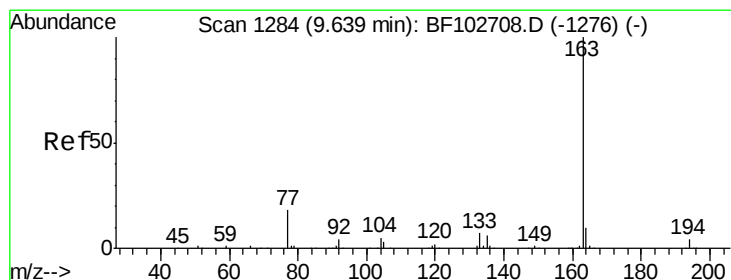
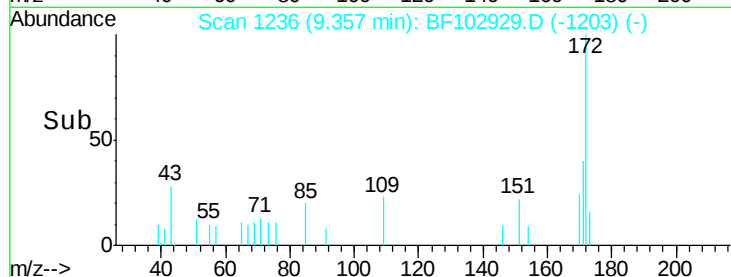
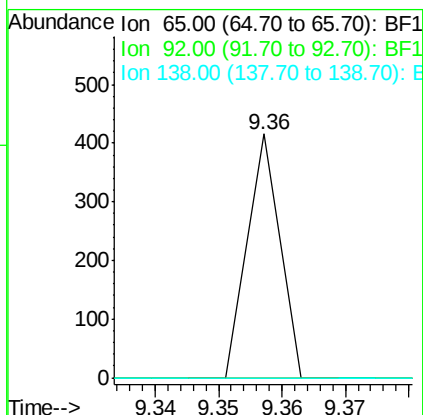
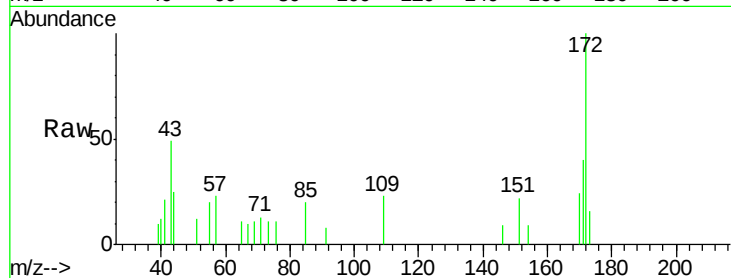




#47
2-Nitroaniline
Concen: 3.49 ng
RT: 9.36 min Scan# 1236
Delta R.T. -0.11 min
Lab File: BF102929.D
Acq: 12 Feb 2018 19:11

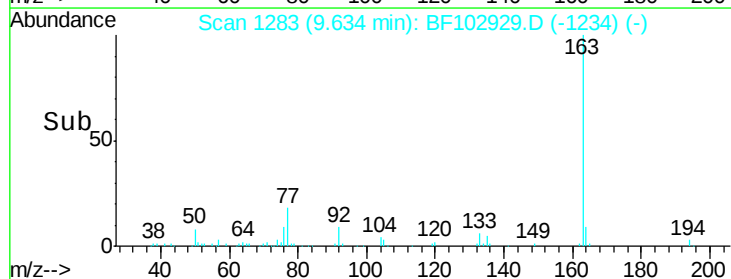
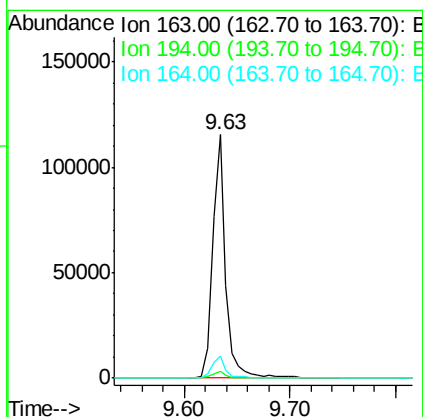
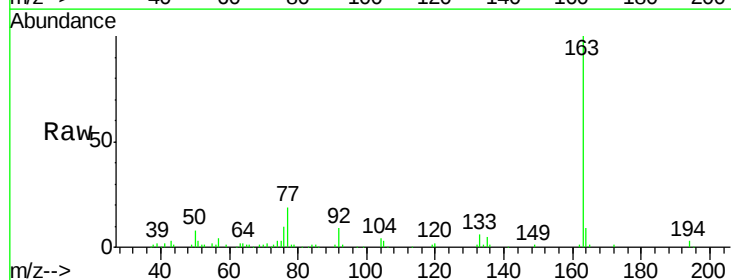
Instrument :
BNA_F
ClientSampled :

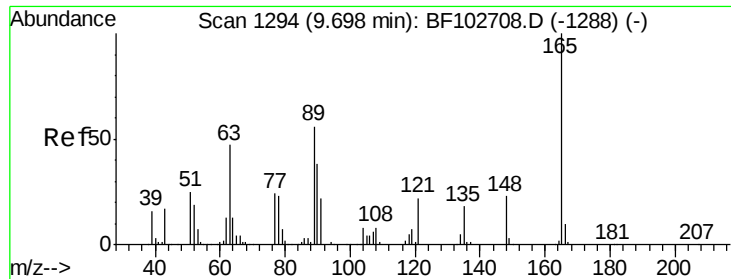
Tot Ion: 65 Resp: 147
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 3.92 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF102929.D
Acq: 12 Feb 2018 19:11

Tgt Ion: 163 Resp: 99577
Ion Ratio Lower Upper
163 100
194 2.9 2.7 4.1
164 9.2 8.2 12.2

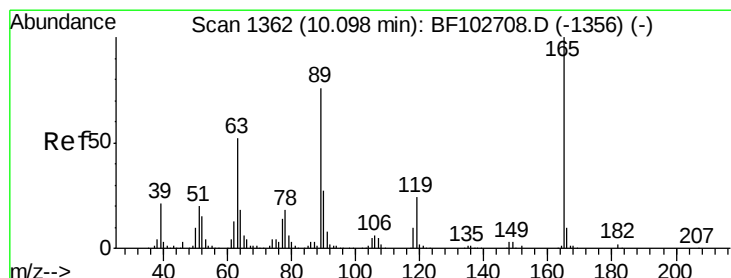
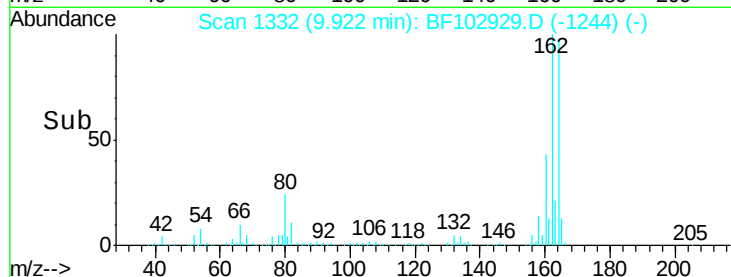
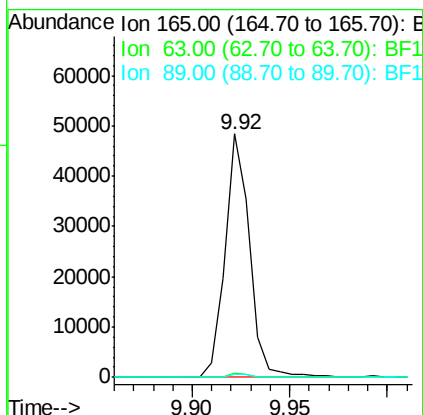
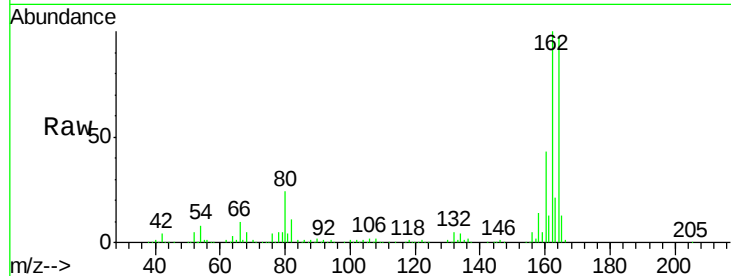




#50
 2,6-Dinitrotoluene
 Concen: 8.69 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.22 min
 Lab File: BF102929.D
 Acq: 12 Feb 2018 19:11

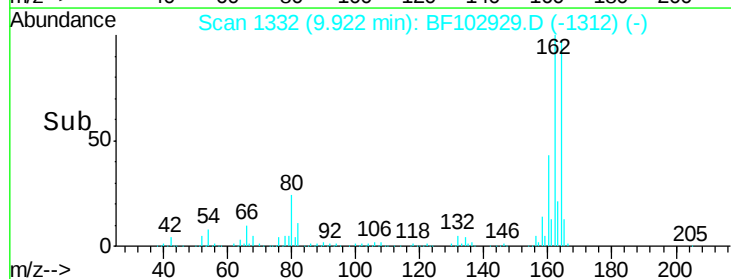
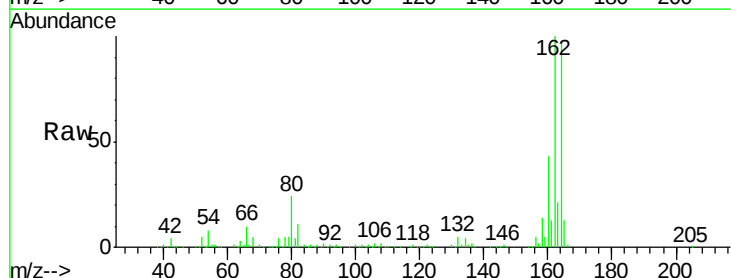
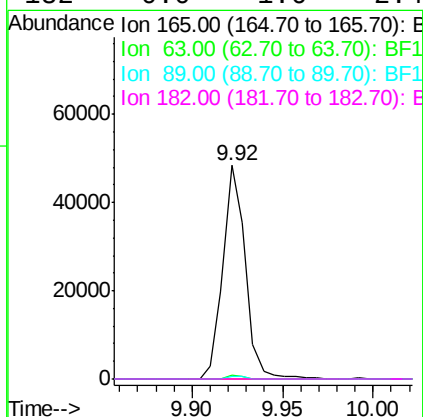
Instrument :
 BNA_F
 ClientSampleId :

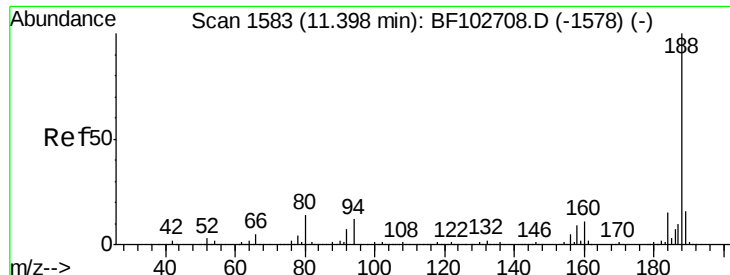
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 9.14 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.18 min
 Lab File: BF102929.D
 Acq: 12 Feb 2018 19:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.4	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: BF102929.D

Acq: 12 Feb 2018 19:11

Instrument :

BNA_F

ClientSampleId :

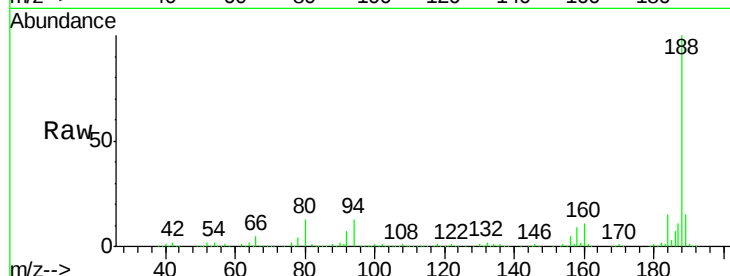
Tot Ion:188 Resp: 455131

Ion Ratio Lower Upper

188 100

94 12.6 8.5 12.7

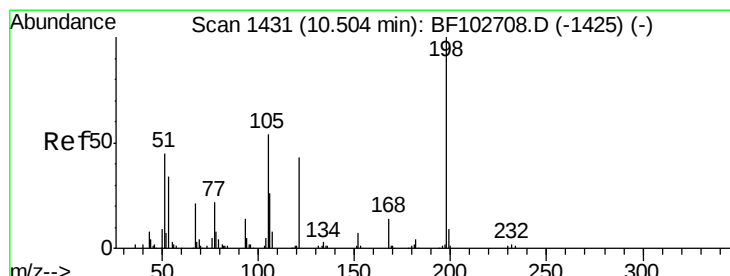
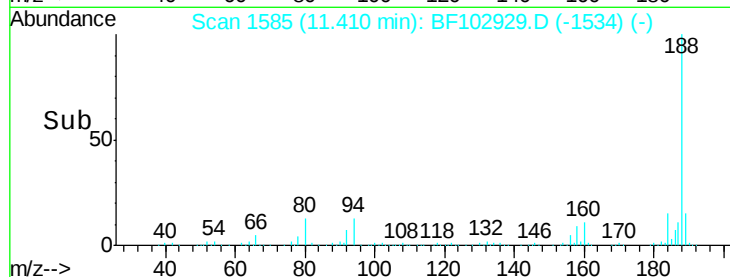
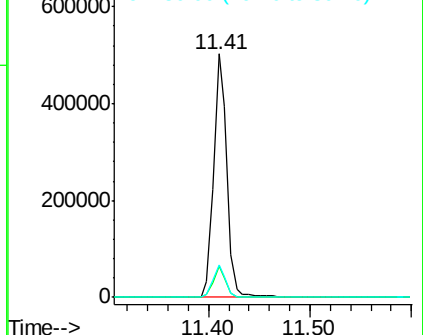
80 13.2 9.2 13.8



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: 8.97 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.20 min

Lab File: BF102929.D

Acq: 12 Feb 2018 19:11

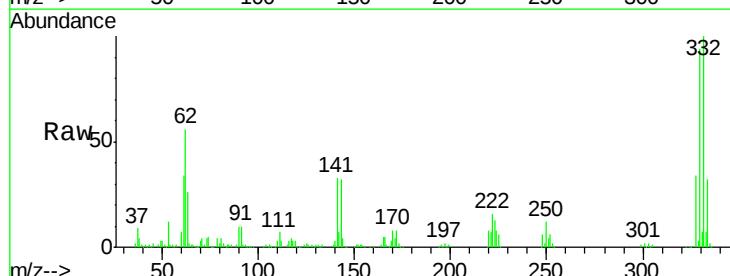
Tgt Ion:198 Resp: 361

Ion Ratio Lower Upper

198 100

51 317.0 37.7 77.7#

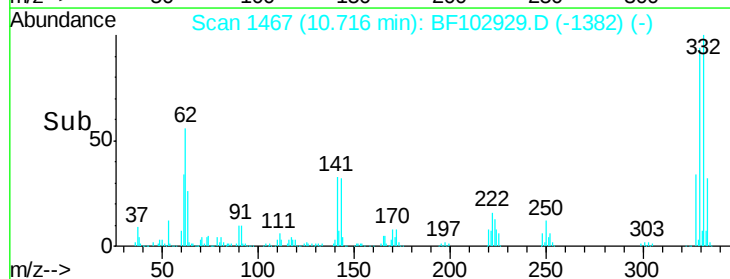
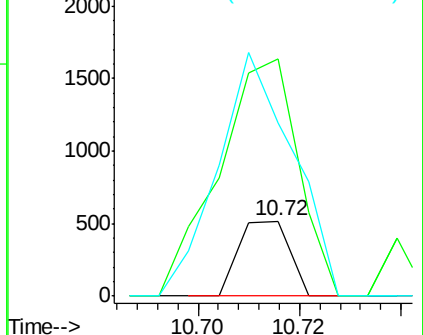
105 231.3 36.3 76.3#

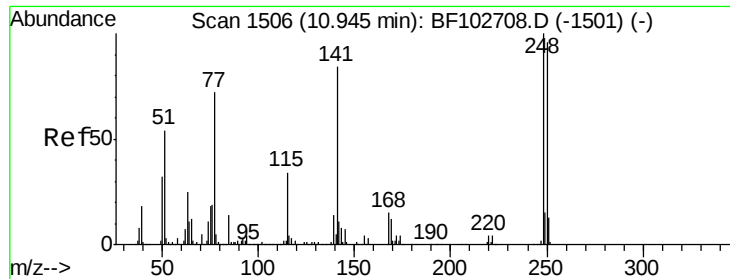


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

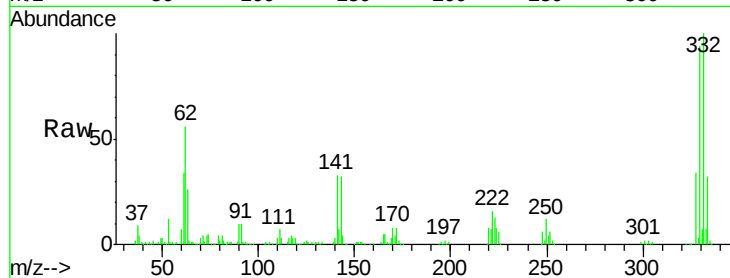




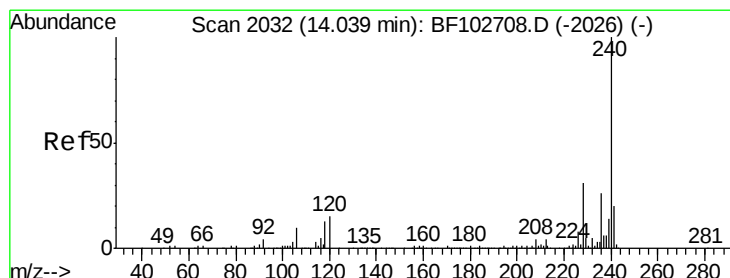
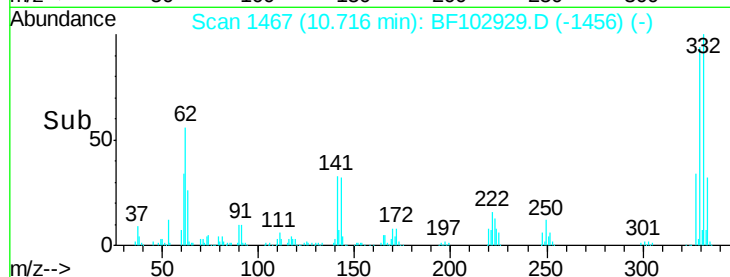
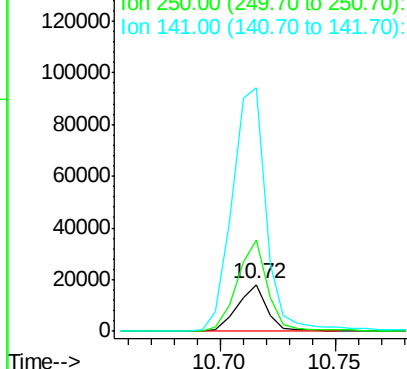
#66
4-Bromophenyl-phenylether
Concen: 3.33 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.24 min
Lab File: BF102929.D
Acq: 12 Feb 2018 19:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 16029
Ion Ratio Lower Upper
248 100
250 194.9 76.9 115.3#
141 522.1 74.4 111.6#

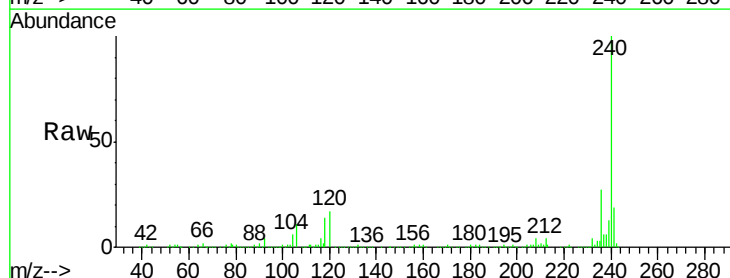


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

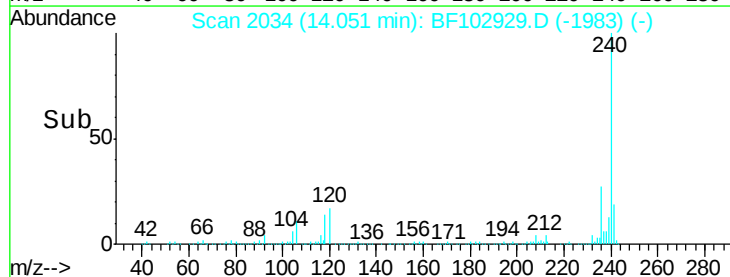
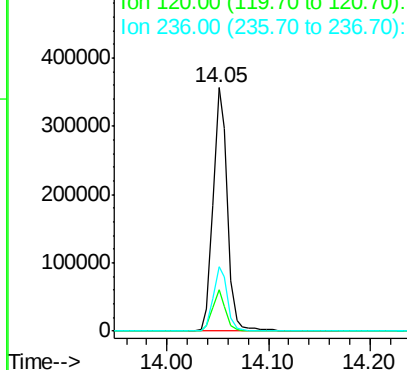


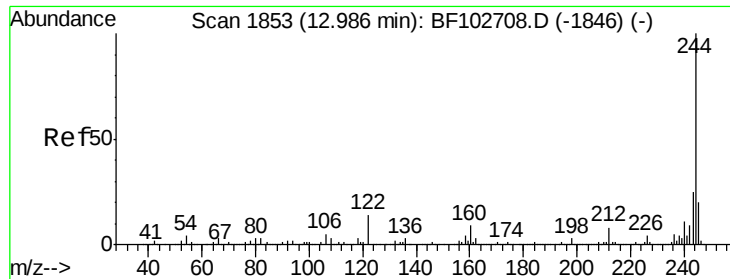
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF102929.D
Acq: 12 Feb 2018 19:11

Tgt Ion:240 Resp: 350590
Ion Ratio Lower Upper
240 100
120 16.9 9.5 14.3#
236 26.5 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: 67.50 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF102929.D

Acq: 12 Feb 2018 19:11

Instrument :

BNA_F

ClientSampleId :

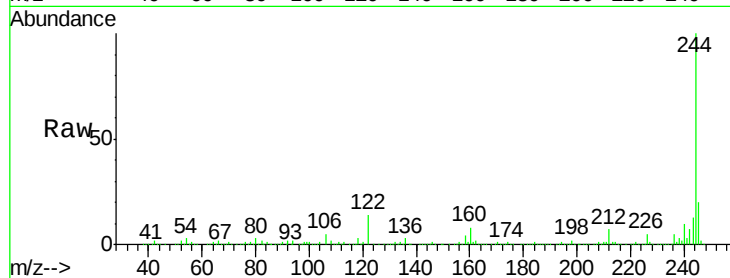
Tot Ion:244 Resp: 999467

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

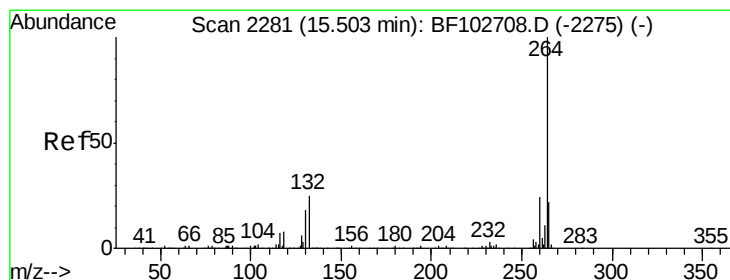
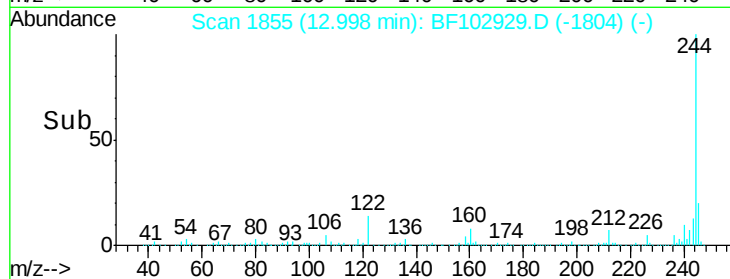
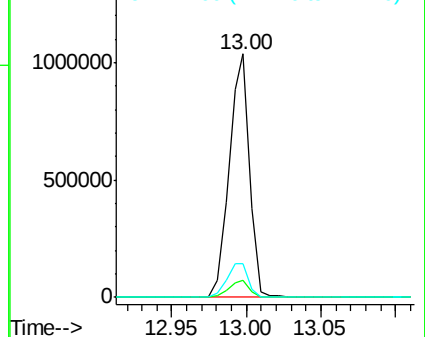
122 13.7 11.0 16.4



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: 20.00 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF102929.D

Acq: 12 Feb 2018 19:11

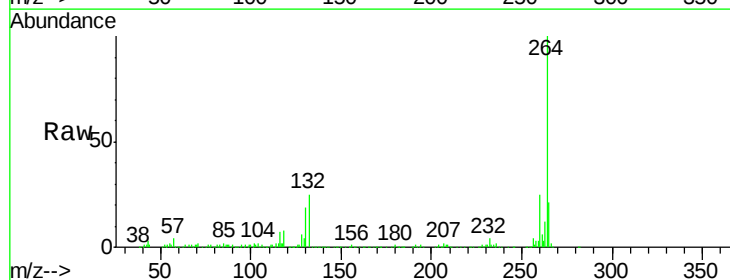
Tgt Ion:264 Resp: 312746

Ion Ratio Lower Upper

264 100

260 25.4 19.2 28.8

265 21.2 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

