

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
 Data File : BG034063.D
 Acq On : 28 Apr 2018 7:42
 Operator : SJ/JU
 Sample : J2572-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 30 02:27:26 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

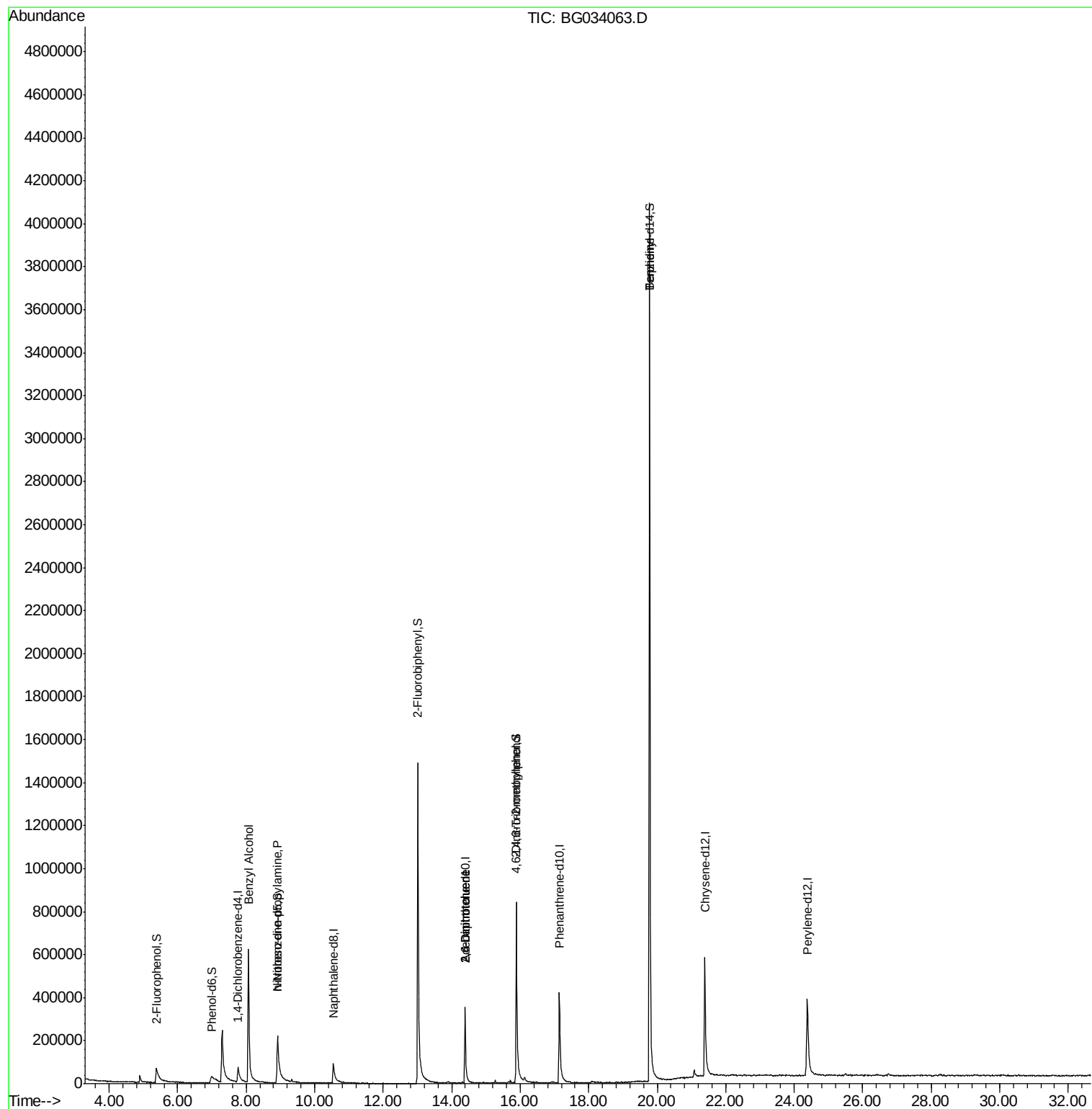
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	27172	20.00	ng	-0.08
21) Naphthalene-d8	10.55	136	211421	20.00	ng	-0.08
38) Acenaphthene-d10	14.39	164	172717	20.00	ng	-0.09
63) Phenanthrene-d10	17.14	188	482477	20.00	ng	-0.08
75) Chrysene-d12	21.39	240	549809	20.00	ng	-0.10
86) Perylene-d12	24.38	264	535225	20.00	ng	-0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	99826	58.65	ng	-0.07
7) Phenol-d6	6.99	99	48552	19.56	ng	-0.01
23) Nitrobenzene-d5	8.92	82	335501	90.31	ng	-0.07
41) 2,4,6-Tribromophenol	15.89	330	260509	129.28	ng	-0.08
44) 2-Fluorobiphenyl	13.01	172	1272837	108.26	ng	-0.09
78) Terphenyl-d14	19.78	244	2517860	102.88	ng	-0.08
Target Compounds						
15) Benzyl Alcohol	8.07	79	6046	2.79	ng	# 35
19) n-Nitroso-di-n-propylamine	8.91	70	43571	20.59	ng	# 78
50) 2,6-Dinitrotoluene	14.39	165	21977	7.63	ng	# 20
56) 2,4-Dinitrotoluene	14.39	165	22668	5.92	ng	# 18
64) 4,6-Dinitro-2-methylphenol	15.87	198	115	6.53	ng	# 78
76) Benzidine	19.78	184	36925	2.49	ng	# 92

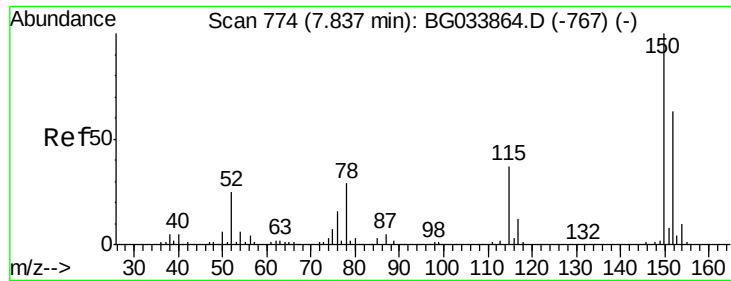
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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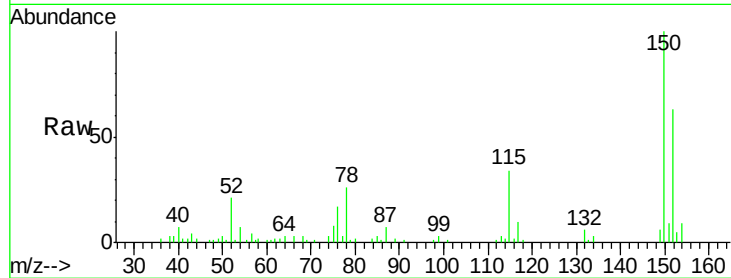


#1

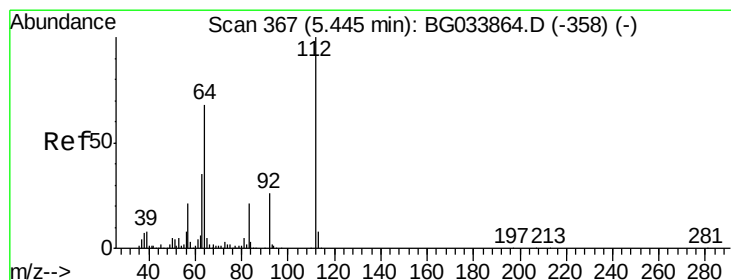
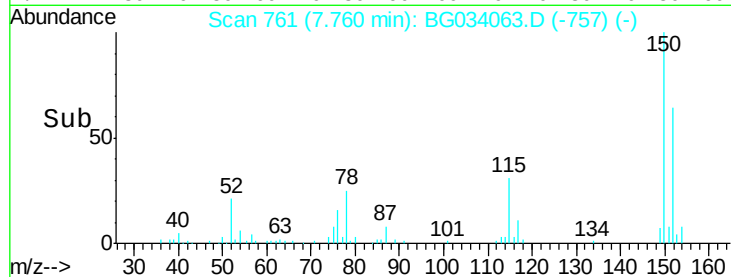
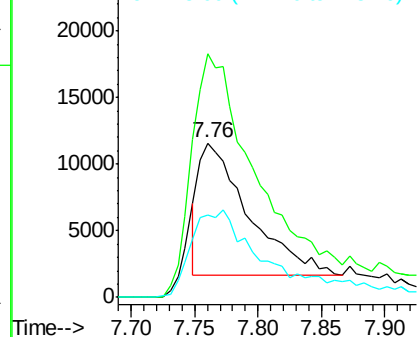
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 761
Delta R.T. -0.08 min
Lab File: BG034063.D
Acq: 28 Apr 2018 7:42

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 27172
Ion Ratio Lower Upper
152 100
150 157.5 126.6 189.8
115 53.3 53.0 79.4



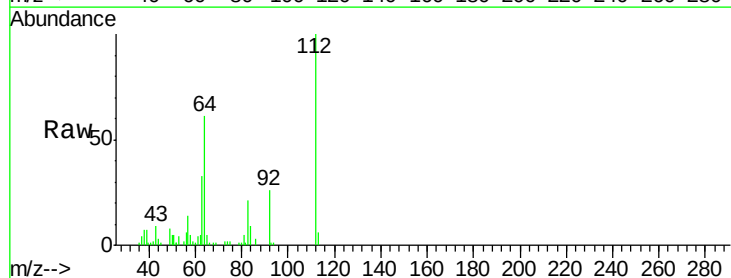
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



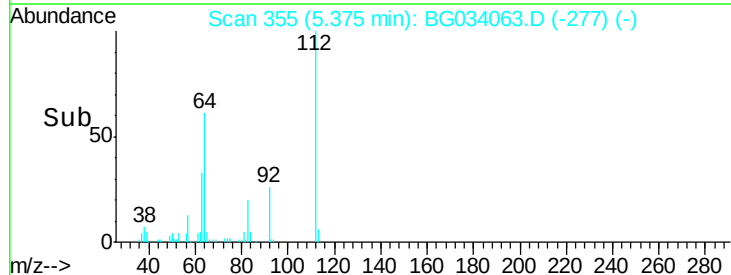
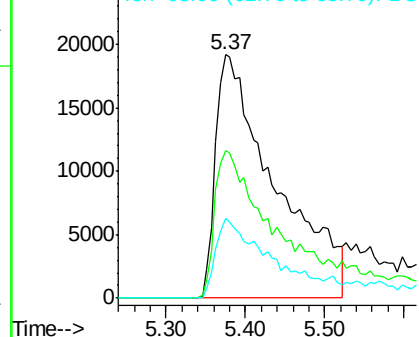
#5

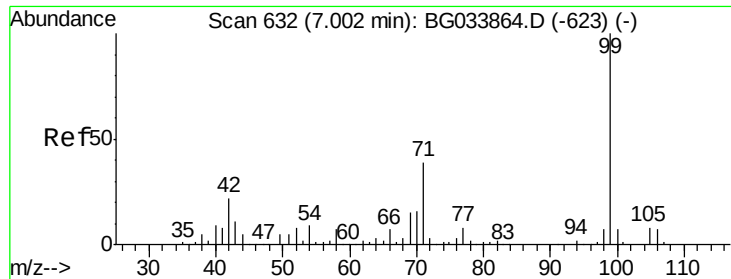
2-Fluorophenol
Concen: 58.65 ng
RT: 5.37 min Scan# 355
Delta R.T. -0.07 min
Lab File: BG034063.D
Acq: 28 Apr 2018 7:42

Tgt Ion:112 Resp: 99826
Ion Ratio Lower Upper
112 100
64 60.7 56.3 84.5
63 32.9 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 19.56 ng

RT: 6.99 min Scan# 630

Delta R.T. -0.01 min

Lab File: BG034063.D

Acq: 28 Apr 2018 7:42

Instrument :

BNA_G

ClientSampleId :

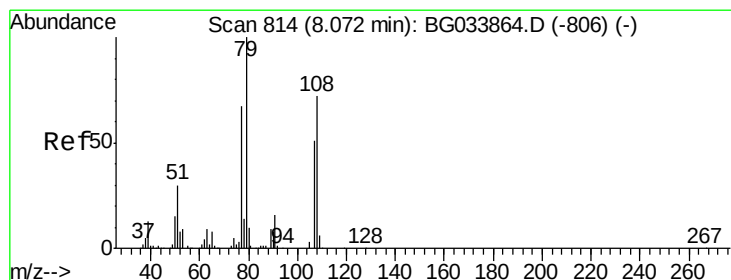
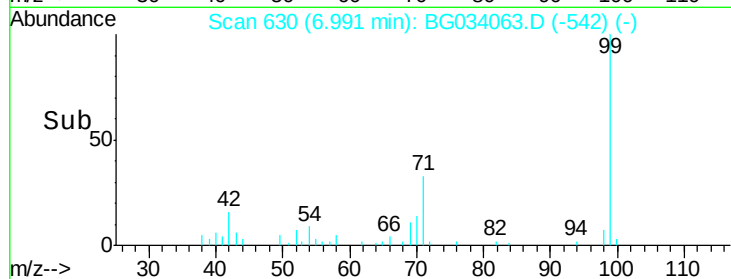
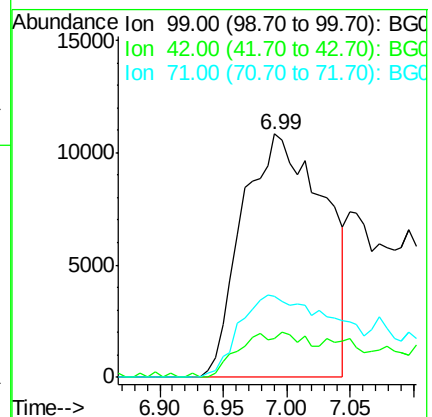
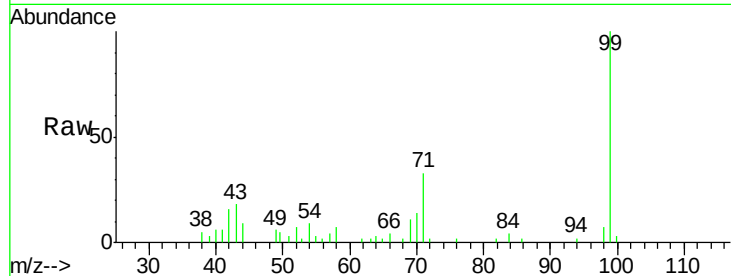
Tot Ion: 99 Resp: 48552

Ion Ratio Lower Upper

99 100

42 15.8 14.1 21.1

71 33.2 26.1 39.1



#15

Benzyl Alcohol

Concen: 2.79 ng

RT: 8.07 min Scan# 813

Delta R.T. -0.01 min

Lab File: BG034063.D

Acq: 28 Apr 2018 7:42

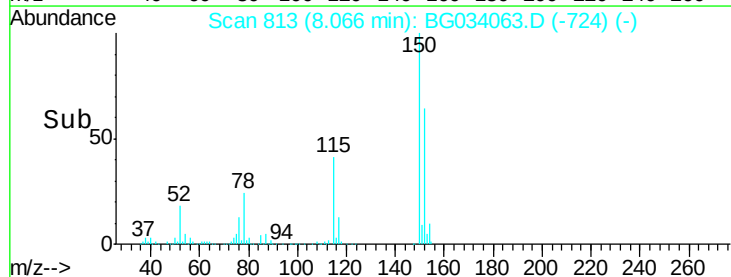
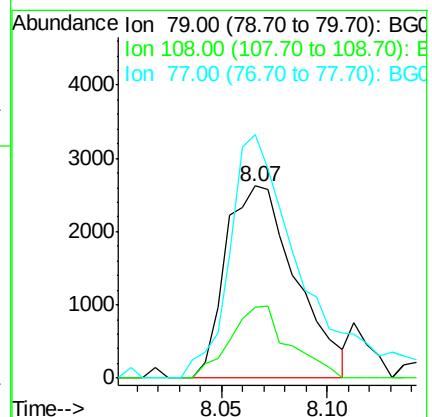
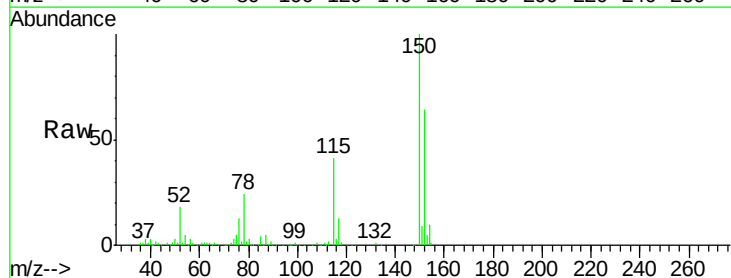
Tgt Ion: 79 Resp: 6046

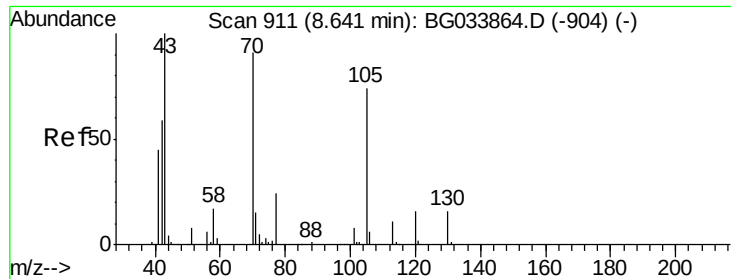
Ion Ratio Lower Upper

79 100

108 37.0 57.2 85.8#

77 126.9 46.1 69.1#

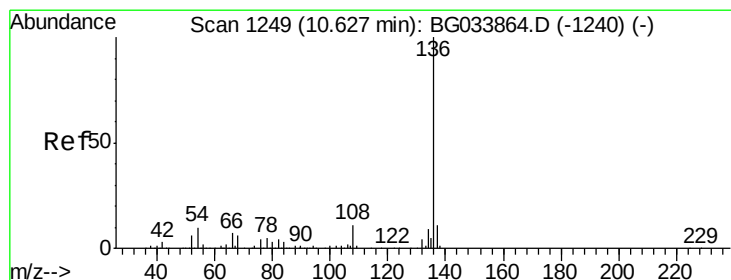
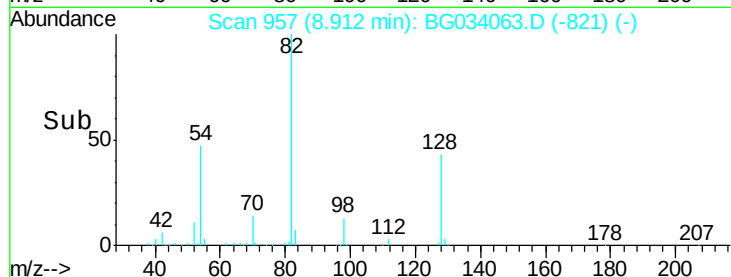
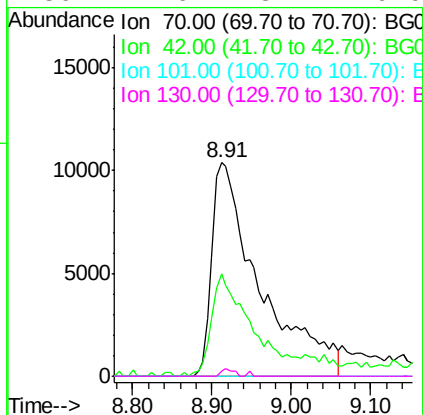
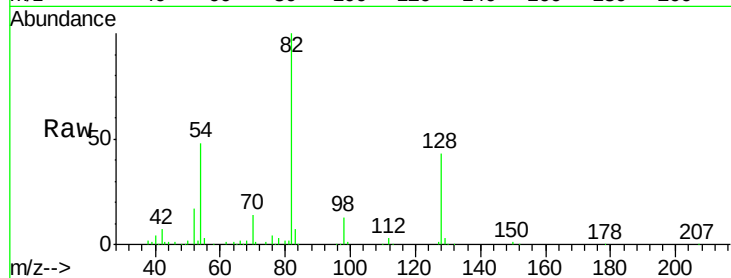




#19
n-Nitroso-di-n-propylamine
Concen: 20.59 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.27 min
Lab File: BG034063.D
Acq: 28 Apr 2018 7:42

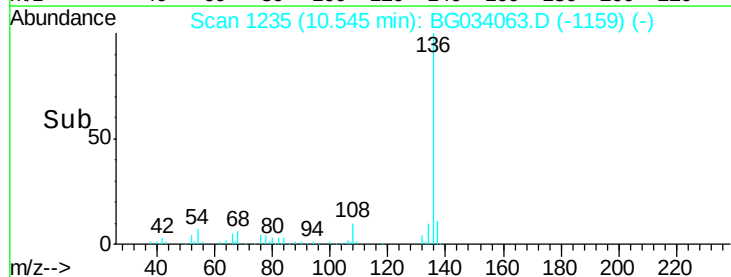
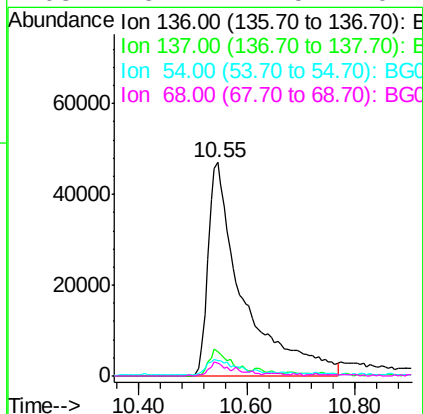
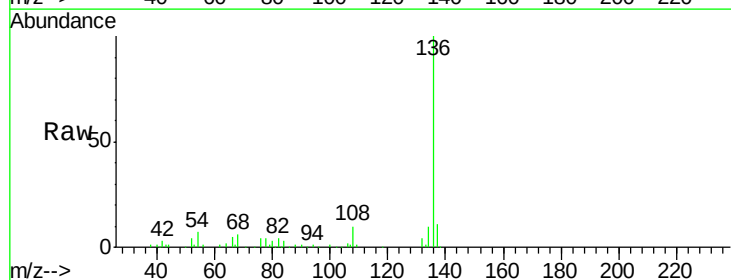
Instrument :
BNA_G
ClientSampleId :

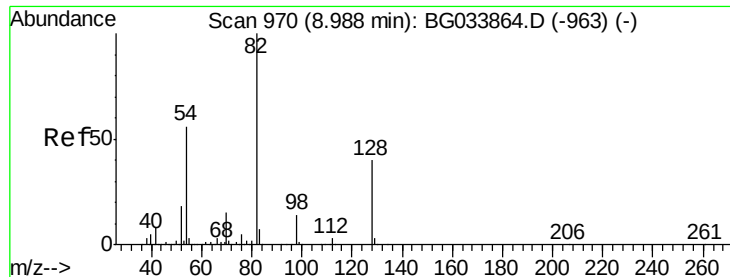
Tot Ion: 70 Resp: 43571
Ion Ratio Lower Upper
70 100
42 48.1 49.1 73.7#
101 0.0 8.5 12.7#
130 2.6 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.55 min Scan# 1235
Delta R.T. -0.08 min
Lab File: BG034063.D
Acq: 28 Apr 2018 7:42

Tgt Ion: 136 Resp: 211421
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 7.5 10.3 15.5#
68 5.7 4.5 6.7

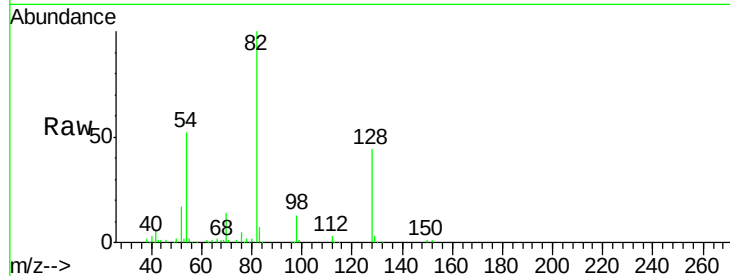




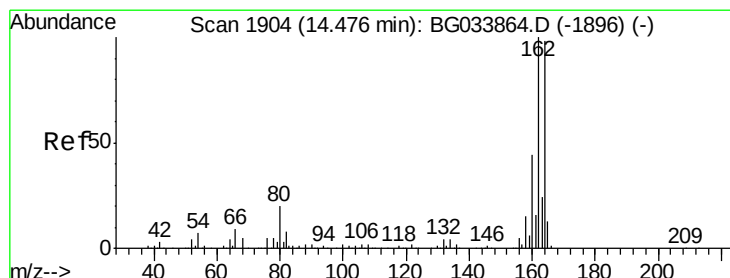
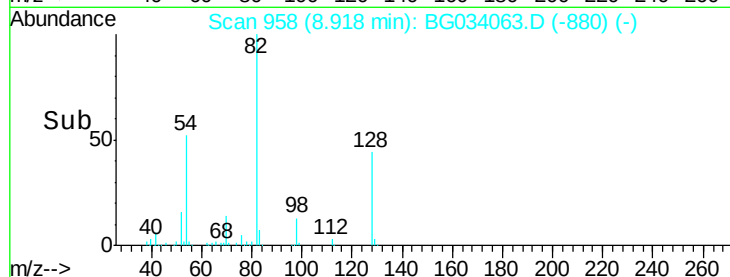
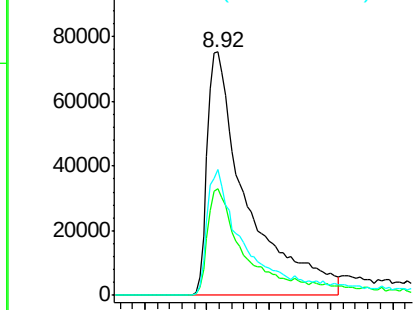
#23
Nitrobenzene-d5
Concen: 90.31 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.07 min
Lab File: BG034063.D
Acq: 28 Apr 2018 7:42

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	335501
Ion Ratio	100	Lower	Upper
128	43.8	29.7	44.5
54	51.8	43.1	64.7

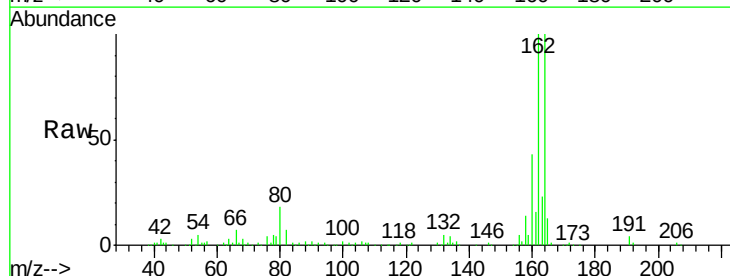


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

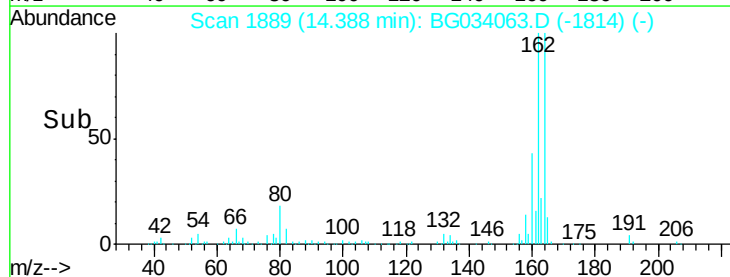
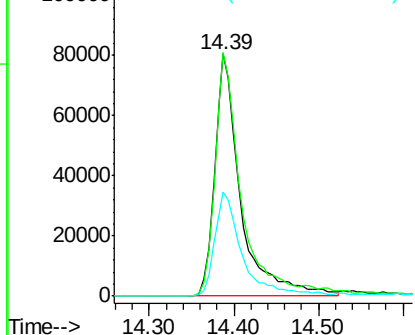


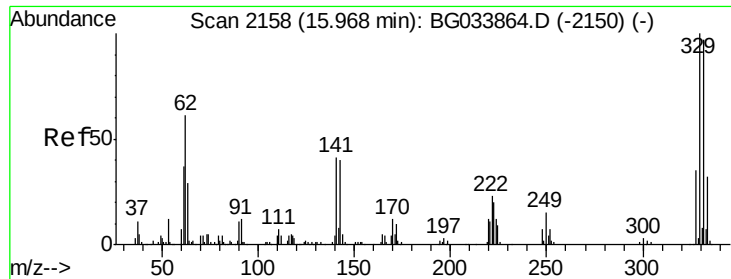
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.39 min Scan# 1889
Delta R.T. -0.09 min
Lab File: BG034063.D
Acq: 28 Apr 2018 7:42

Tgt Ion	164	Resp	172717
Ion Ratio	100	Lower	Upper
162	100.5	78.8	118.2
160	42.7	35.4	53.0



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

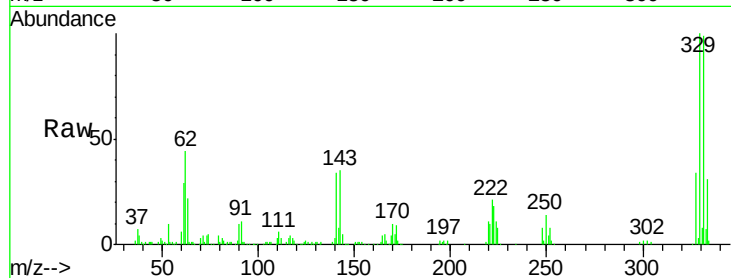




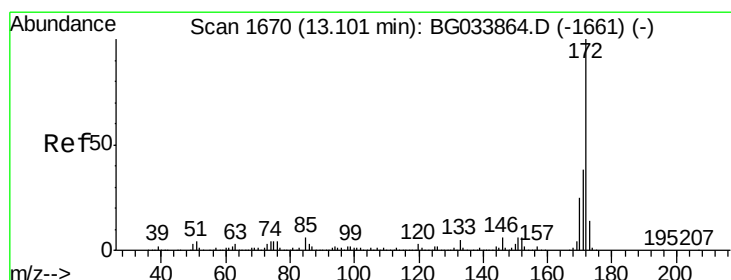
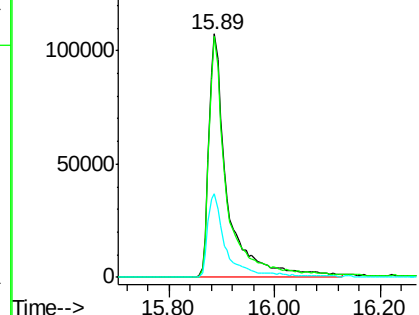
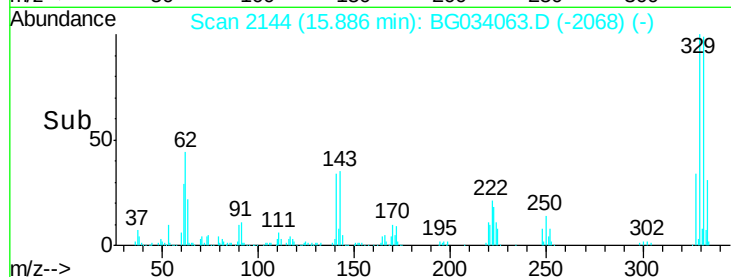
#41
 2,4,6-Tribromophenol
 Concen: 129.28 ng
 RT: 15.89 min Scan# 2144
 Delta R.T. -0.08 min
 Lab File: BG034063.D
 Acq: 28 Apr 2018 7:42

Instrument :
 BNA_G
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	33.0	25.2	37.8

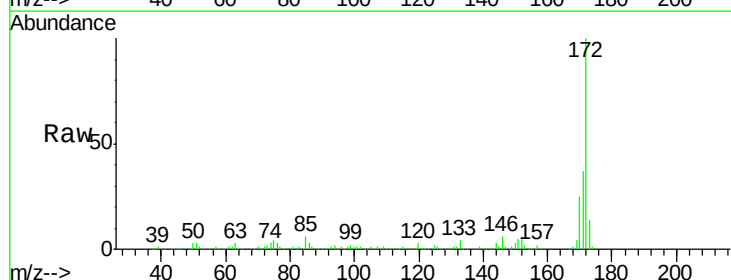


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

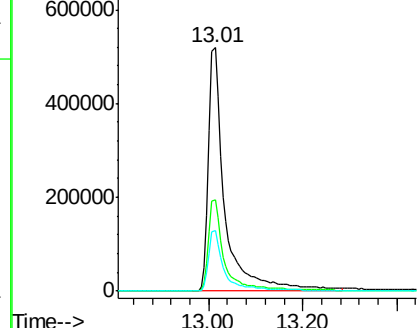
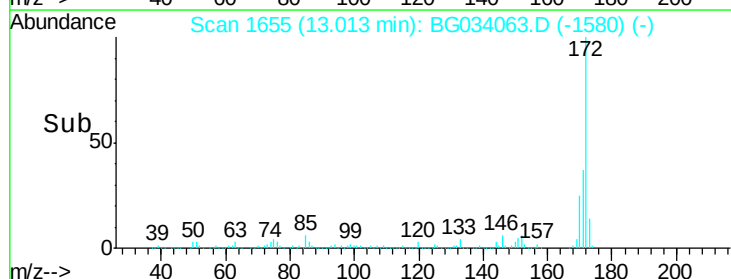


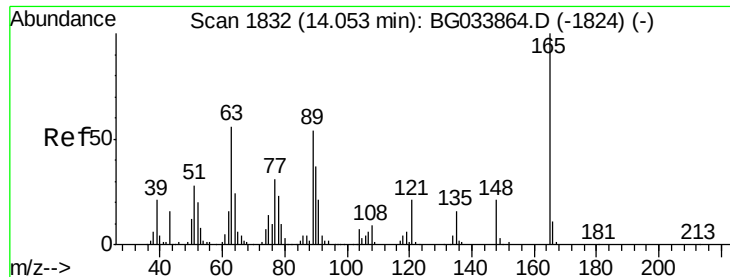
#44
 2-Fluorobiphenyl
 Concen: 108.26 ng
 RT: 13.01 min Scan# 1655
 Delta R.T. -0.09 min
 Lab File: BG034063.D
 Acq: 28 Apr 2018 7:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.0	45.0
170	24.7	19.5	29.3



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





#50

2,6-Dinitrotoluene

Concen: 7.63 ng

RT: 14.39 min Scan# 1889

Delta R.T. 0.34 min

Lab File: BG034063.D

Acq: 28 Apr 2018 7:42

Instrument :

BNA_G

ClientSampleId :

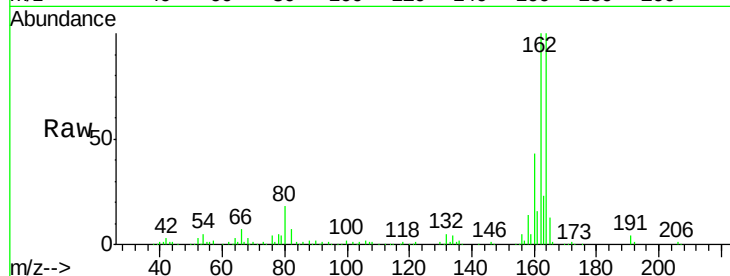
Tot Ion:165 Resp: 21977

Ion Ratio Lower Upper

165 100

63 1.5 52.7 79.1#

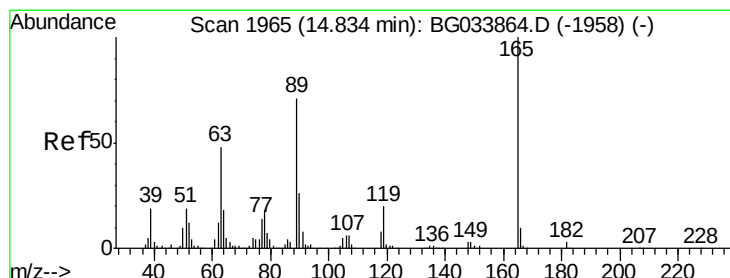
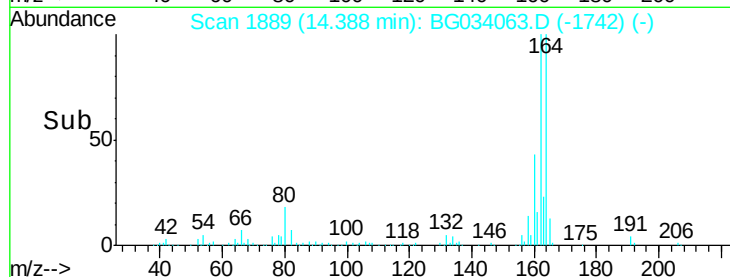
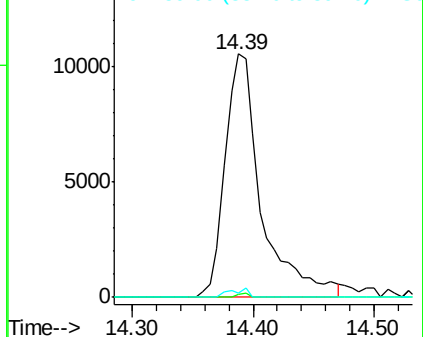
89 1.9 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56

2,4-Dinitrotoluene

Concen: 5.92 ng

RT: 14.39 min Scan# 1889

Delta R.T. -0.45 min

Lab File: BG034063.D

Acq: 28 Apr 2018 7:42

Tgt Ion:165 Resp: 22668

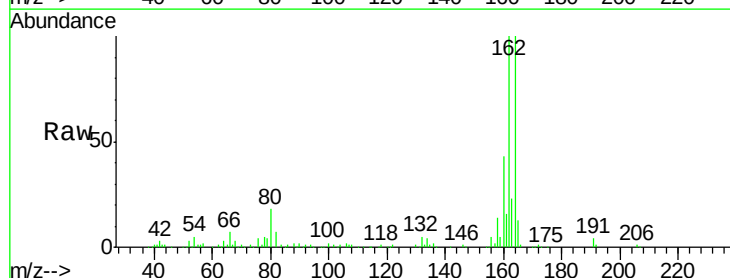
Ion Ratio Lower Upper

165 100

63 1.5 42.0 63.0#

89 1.9 66.9 100.3#

182 0.0 2.6 3.8#

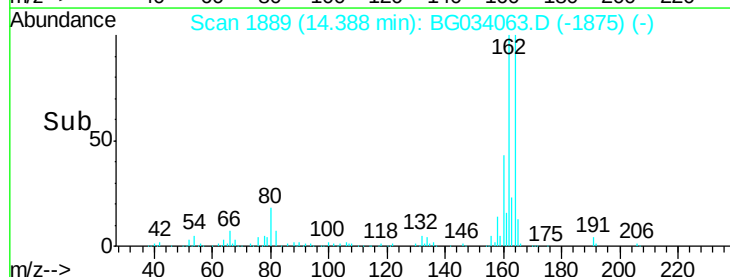
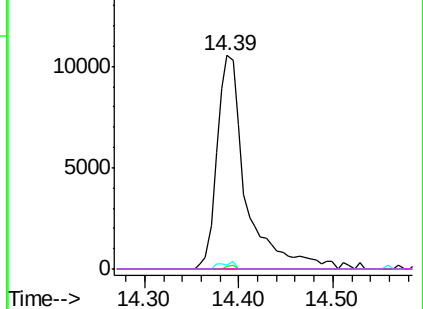


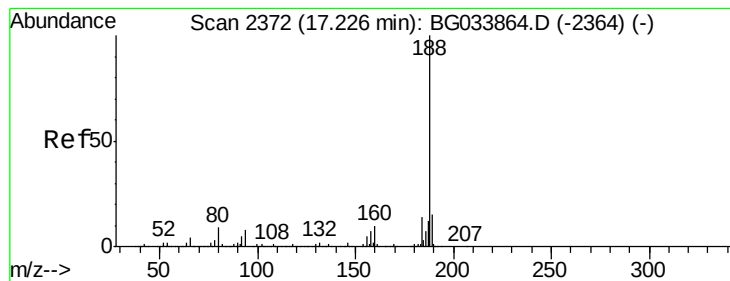
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.14 min Scan# 2358

Delta R.T. -0.08 min

Lab File: BG034063.D

Acq: 28 Apr 2018 7:42

Instrument :

BNA_G

ClientSampleId :

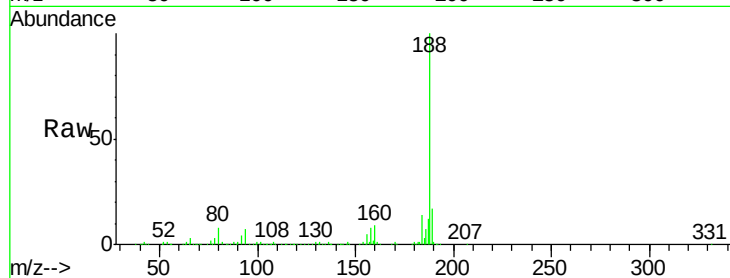
Tot Ion:188 Resp: 482477

Ion Ratio Lower Upper

188 100

94 7.4 6.9 10.3

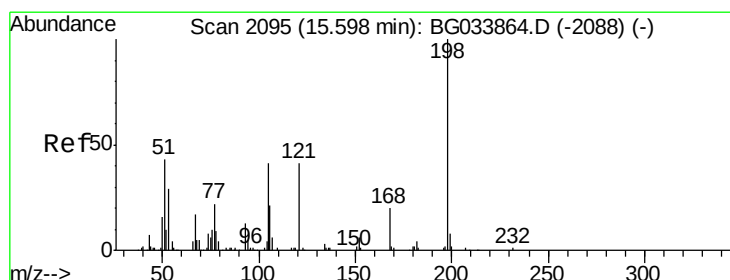
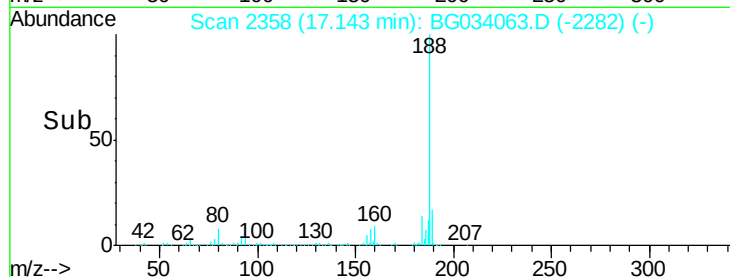
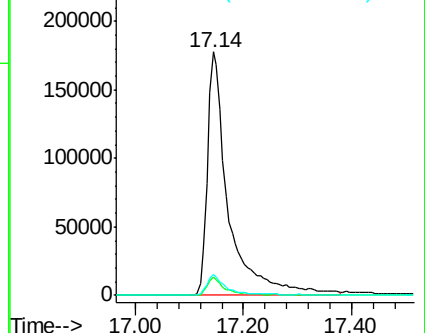
80 8.4 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 6.53 ng

RT: 15.87 min Scan# 2142

Delta R.T. 0.28 min

Lab File: BG034063.D

Acq: 28 Apr 2018 7:42

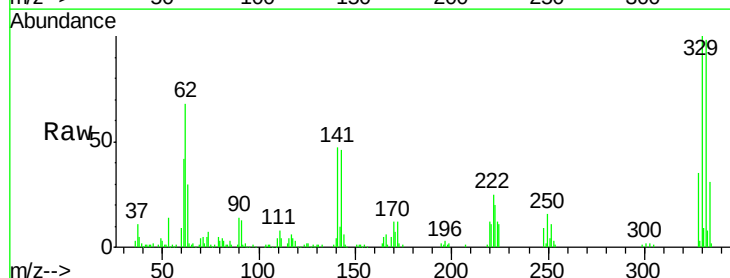
Tgt Ion:198 Resp: 115

Ion Ratio Lower Upper

198 100

51 26.9 30.6 70.6#

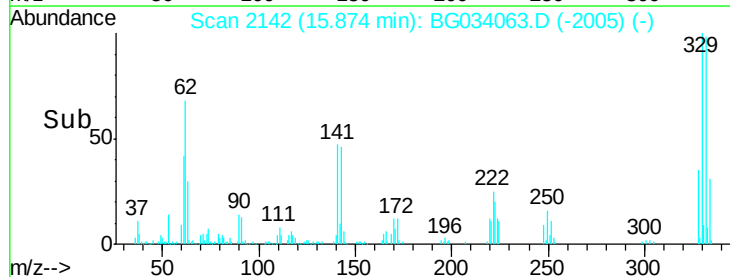
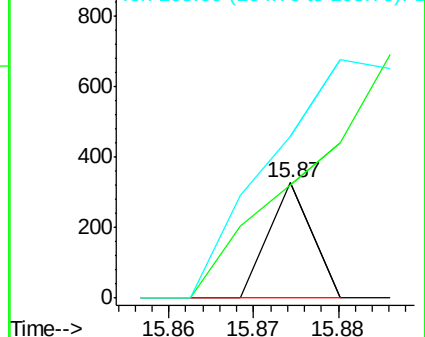
105 38.5 23.8 63.8

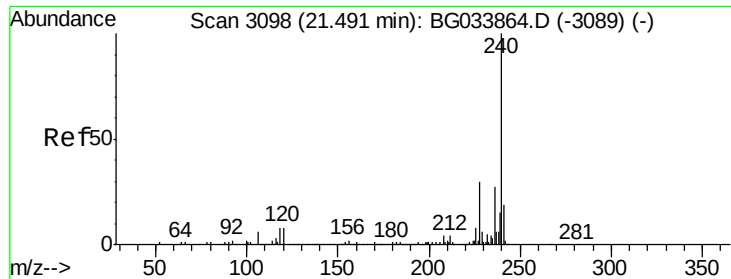


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.39 min Scan# 3081

Delta R.T. -0.10 min

Lab File: BG034063.D

Acq: 28 Apr 2018 7:42

Instrument :

BNA_G

ClientSampled :

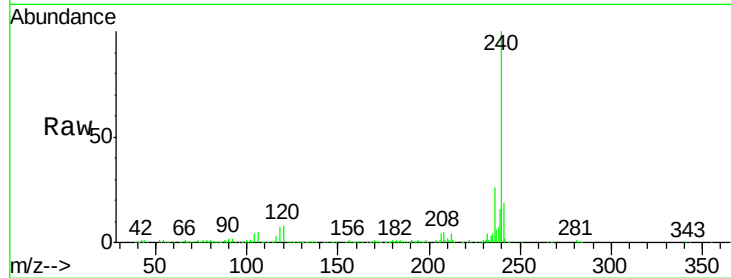
Tot Ion:240 Resp: 549809

Ion Ratio Lower Upper

240 100

120 7.6 6.8 10.2

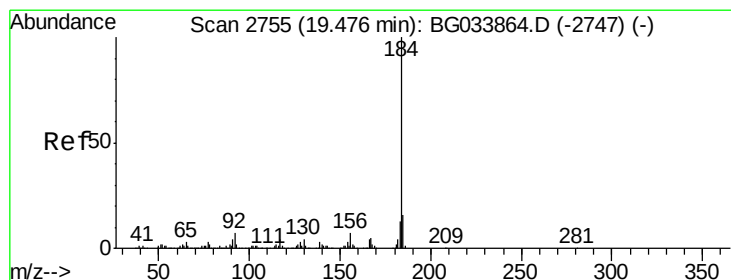
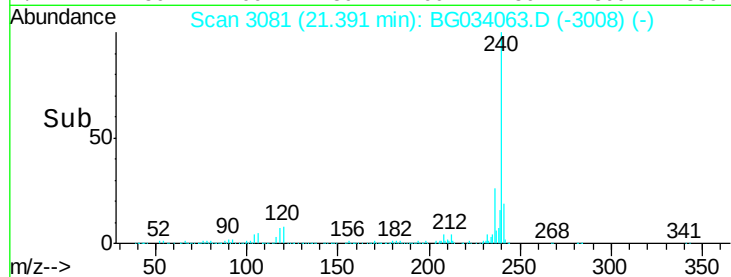
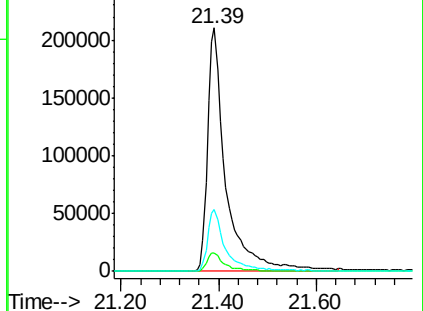
236 25.6 20.9 31.3



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



#76

Benzidine

Concen: 2.49 ng

RT: 19.78 min Scan# 2807

Delta R.T. 0.31 min

Lab File: BG034063.D

Acq: 28 Apr 2018 7:42

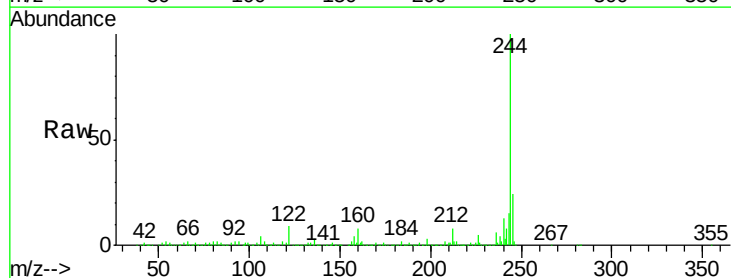
Tgt Ion:184 Resp: 36925

Ion Ratio Lower Upper

184 100

185 17.2 11.1 16.7#

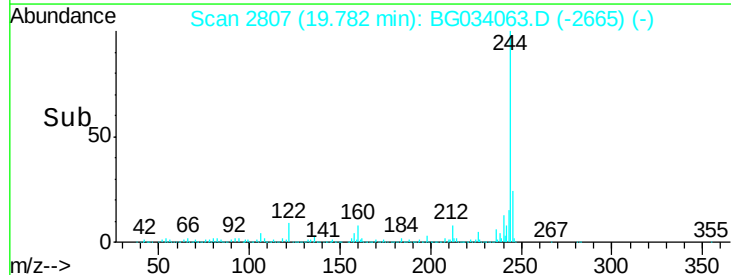
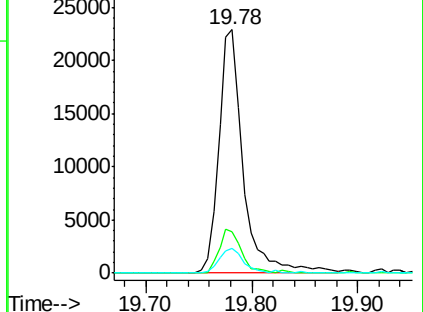
183 10.0 10.6 16.0#

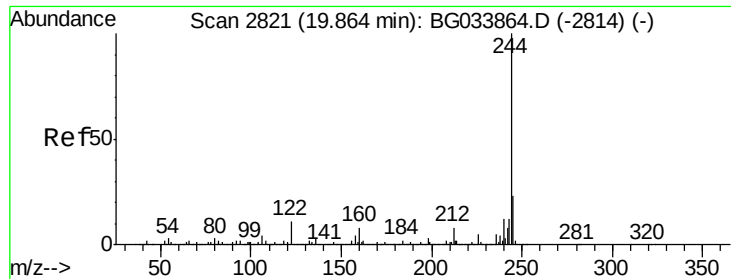


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

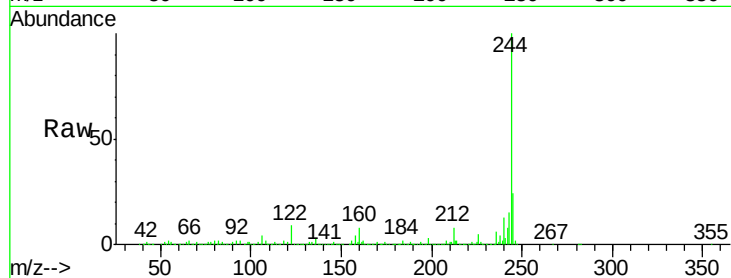




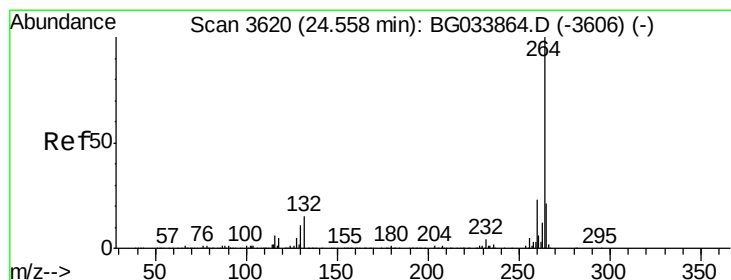
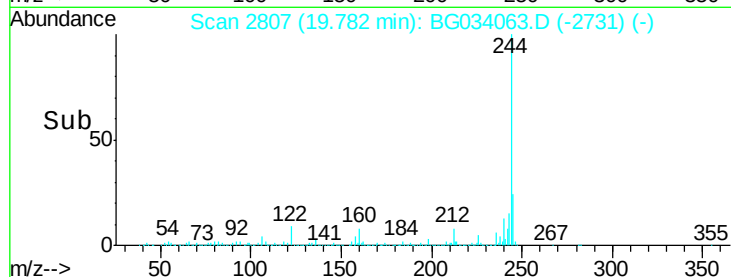
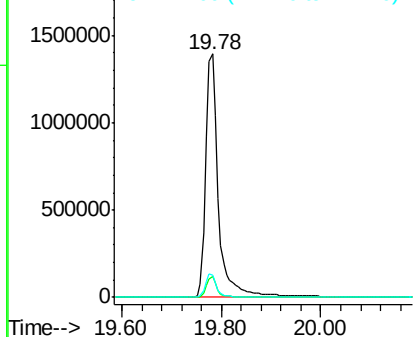
#78
 Terphenyl-d14
 Concen: 102.88 ng
 RT: 19.78 min Scan# 2807
 Delta R.T. -0.08 min
 Lab File: BG034063.D
 Acq: 28 Apr 2018 7:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 2517860
 Ion Ratio Lower Upper
 244 100
 212 8.5 5.8 8.8
 122 9.3 7.0 10.4

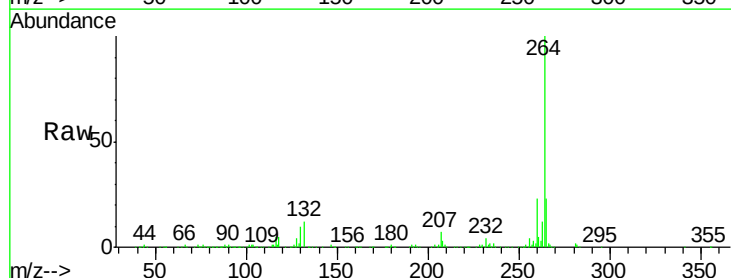


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.38 min Scan# 3590
 Delta R.T. -0.18 min
 Lab File: BG034063.D
 Acq: 28 Apr 2018 7:42

Tgt Ion:264 Resp: 535225
 Ion Ratio Lower Upper
 264 100
 260 23.2 17.4 26.0
 265 22.9 17.7 26.5



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

