

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
 Data File : BG034070.D
 Acq On : 28 Apr 2018 12:06
 Operator : SJ/JU
 Sample : PB108633BL
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 30 02:30:58 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

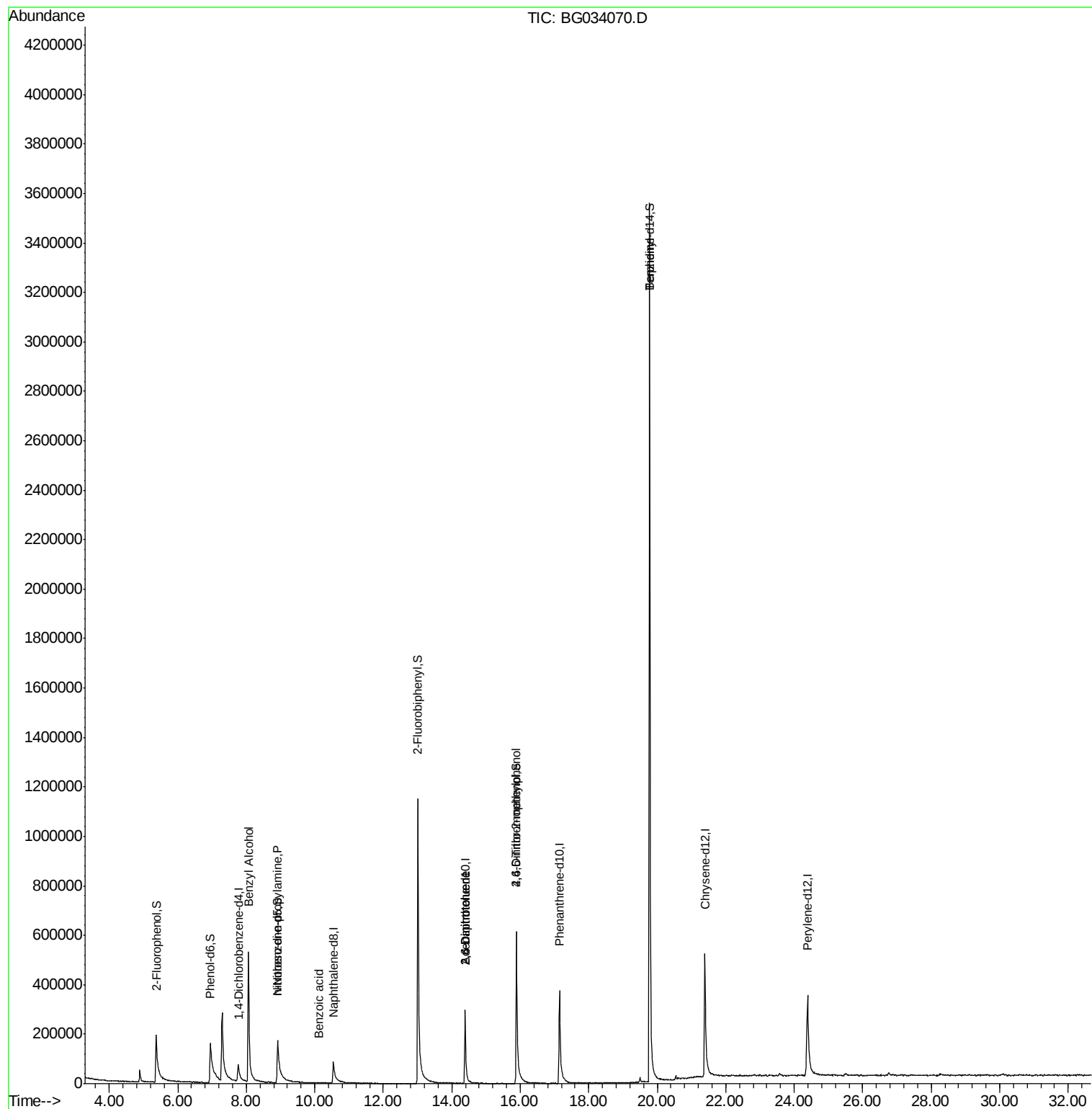
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	27092	20.00	ng	-0.07
21) Naphthalene-d8	10.54	136	185087	20.00	ng	-0.08
38) Acenaphthene-d10	14.39	164	162885	20.00	ng	-0.09
63) Phenanthrene-d10	17.15	188	453932	20.00	ng	-0.08
75) Chrysene-d12	21.39	240	538955	20.00	ng	-0.10
86) Perylene-d12	24.39	264	507633	20.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	238978	140.83	ng	-0.08
7) Phenol-d6	6.95	99	267262	107.98	ng	-0.05
23) Nitrobenzene-d5	8.92	82	299567	92.11	ng	-0.07
41) 2,4,6-Tribromophenol	15.88	330	210582	110.81	ng	-0.08
44) 2-Fluorobiphenyl	13.01	172	1074224	96.88	ng	-0.09
78) Terphenyl-d14	19.78	244	2307741	96.20	ng	-0.08
Target Compounds						
9) Benzaldehyde	6.95	77	59	Below Cal	#	5
15) Benzyl Alcohol	8.07	79	6246	2.89 ng	#	47
19) n-Nitroso-di-n-propylamine	8.92	70	34142	16.18 ng	#	79
32) Benzoic acid	10.12	122	54	5.10 ng	#	1
50) 2,6-Dinitrotoluene	14.39	165	19915	7.33 ng	#	20
56) 2,4-Dinitrotoluene	14.39	165	20474	5.67 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.88	198	1578	7.11 ng	#	67
76) Benzidine	19.78	184	32656	2.24 ng	#	94

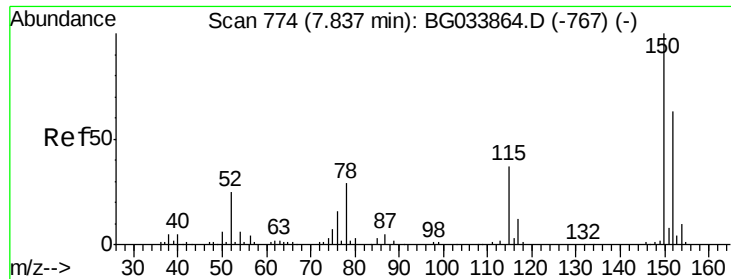
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
Data File : BG034070.D
Acq On : 28 Apr 2018 12:06
Operator : SJ/JU
Sample : PB108633BL
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Apr 30 02:30:58 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



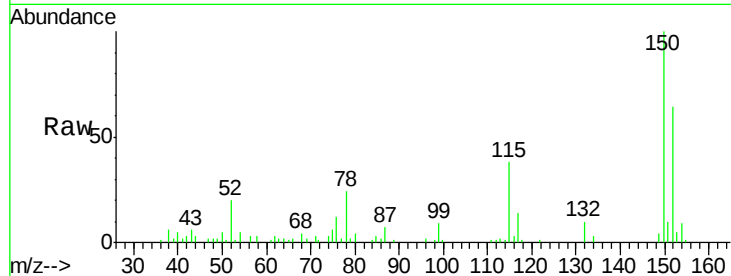


#1

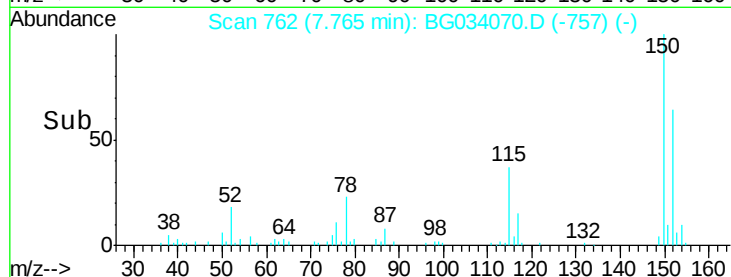
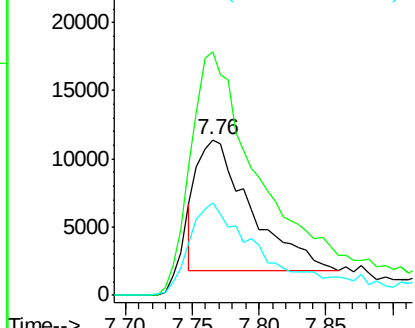
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 762
Delta R.T. -0.07 min
Lab File: BG034070.D
Acq: 28 Apr 2018 12:06

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 27092
Ion Ratio Lower Upper
152 100
150 156.2 126.6 189.8
115 59.3 53.0 79.4



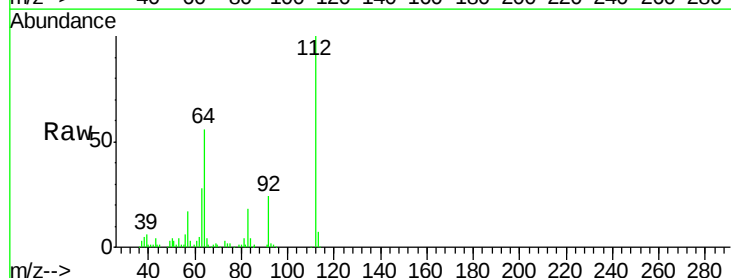
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



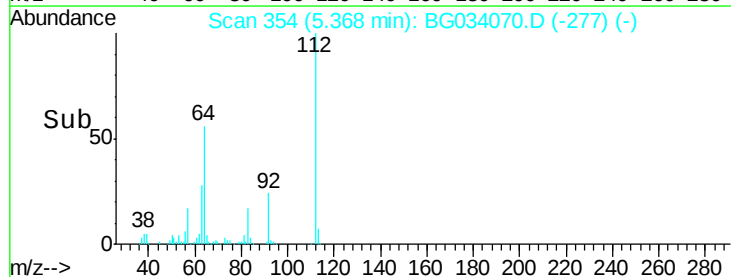
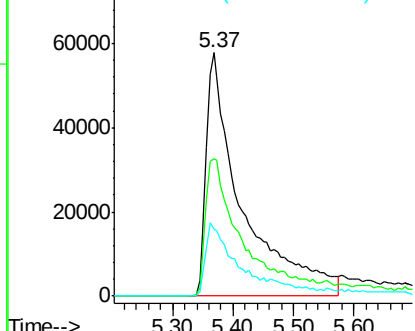
#5

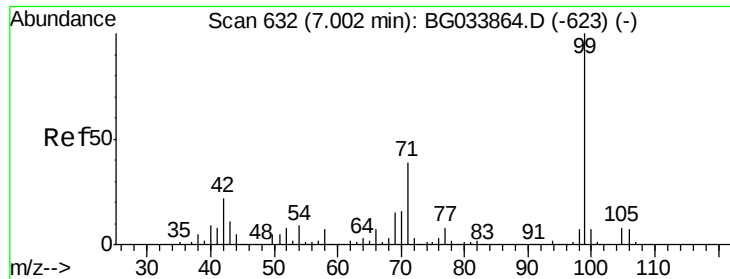
2-Fluorophenol
Concen: 140.83 ng
RT: 5.37 min Scan# 354
Delta R.T. -0.08 min
Lab File: BG034070.D
Acq: 28 Apr 2018 12:06

Tgt Ion:112 Resp: 238978
Ion Ratio Lower Upper
112 100
64 56.5 56.3 84.5
63 27.7 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: 107.98 ng

RT: 6.95 min Scan# 623

Delta R.T. -0.05 min

Lab File: BG034070.D

Acq: 28 Apr 2018 12:06

Instrument :

BNA_G

ClientSampleId :

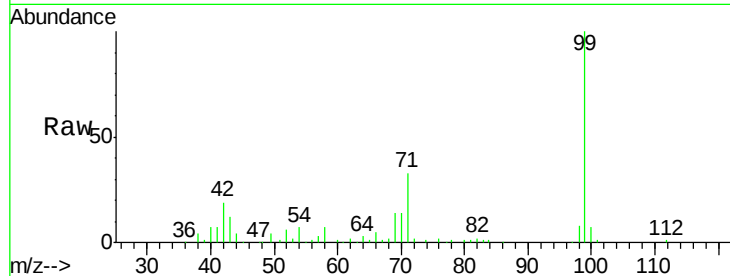
Tot Ion: 99 Resp: 267262

Ion Ratio Lower Upper

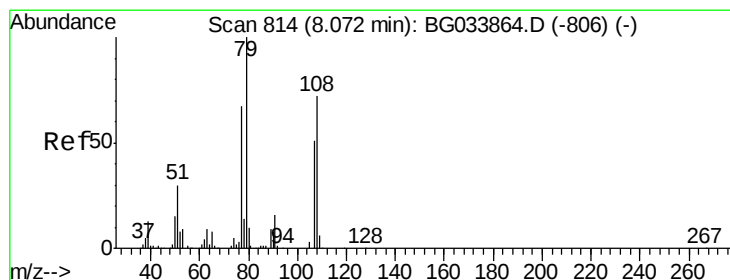
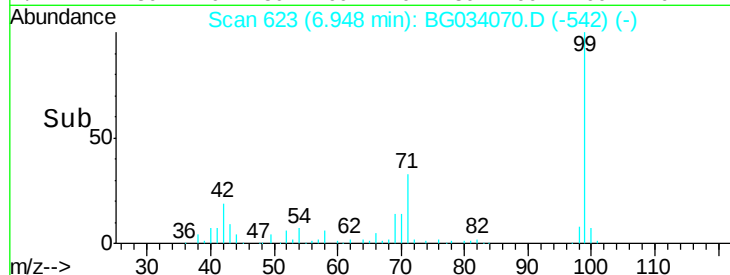
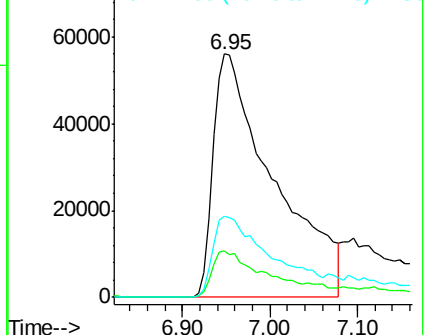
99 100

42 19.3 14.1 21.1

71 33.5 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.89 ng

RT: 8.07 min Scan# 814

Delta R.T. -0.00 min

Lab File: BG034070.D

Acq: 28 Apr 2018 12:06

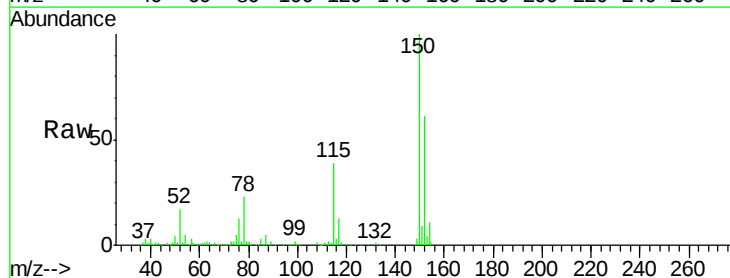
Tgt Ion: 79 Resp: 6246

Ion Ratio Lower Upper

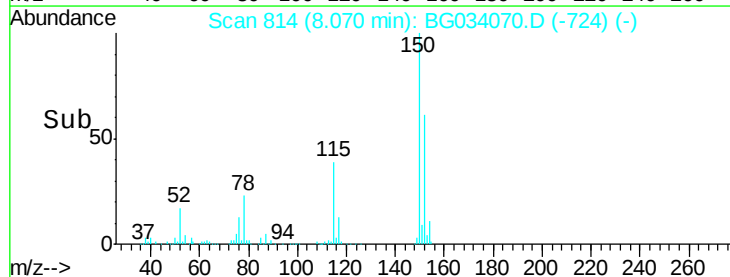
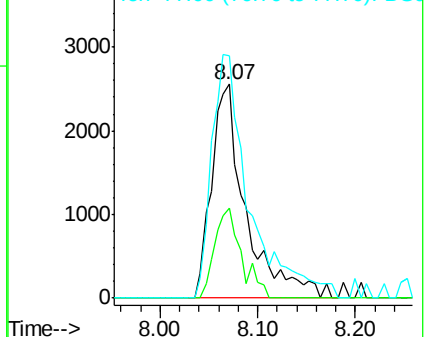
79 100

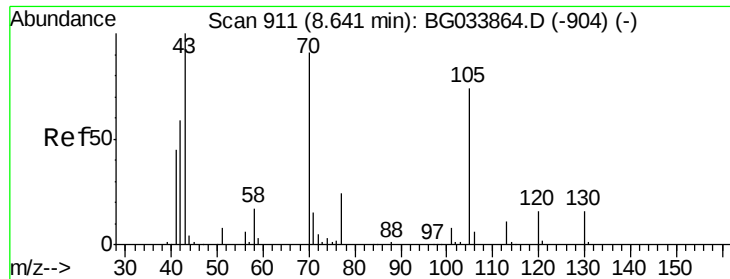
108 41.9 57.2 85.8#

77 113.4 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

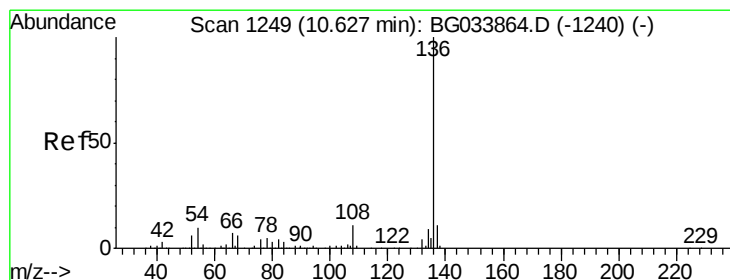
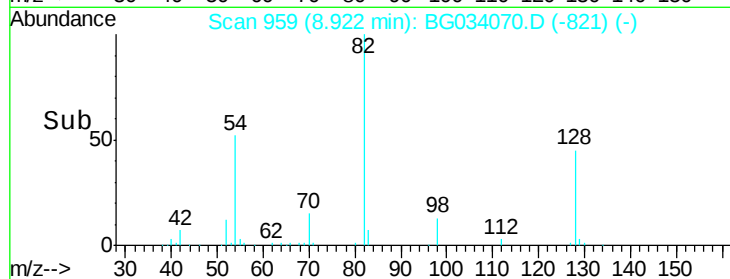
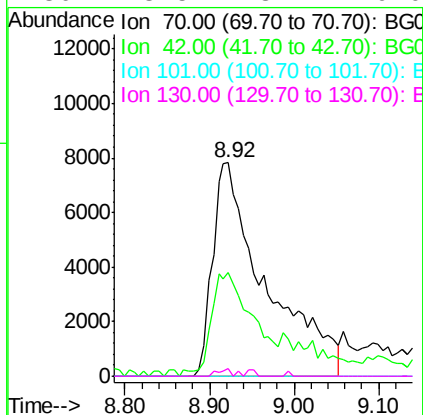
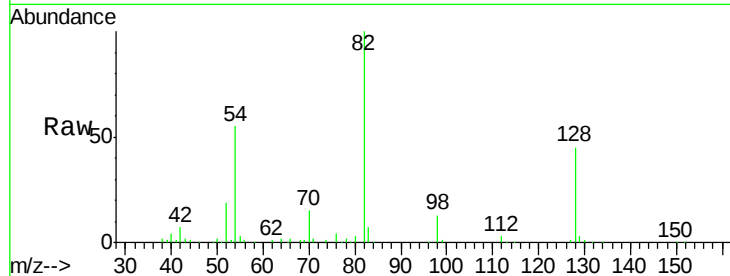




#19
n-Nitroso-di-n-propylamine
Concen: 16.18 ng
RT: 8.92 min Scan# 959
Delta R.T. 0.28 min
Lab File: BG034070.D
Acq: 28 Apr 2018 12:06

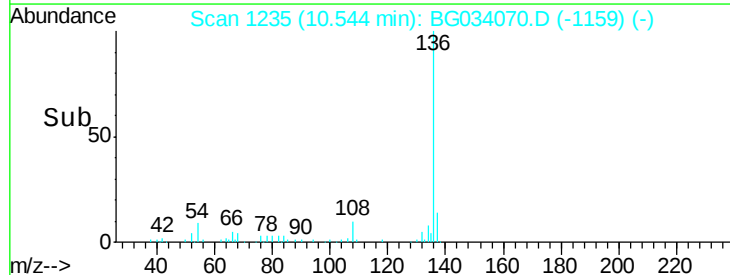
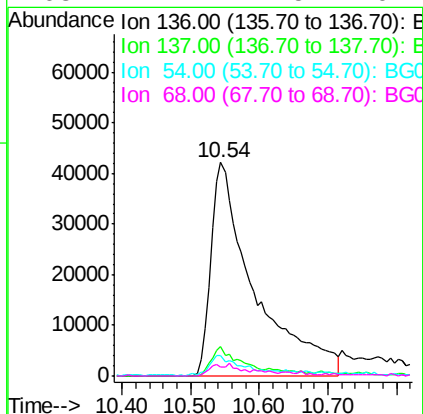
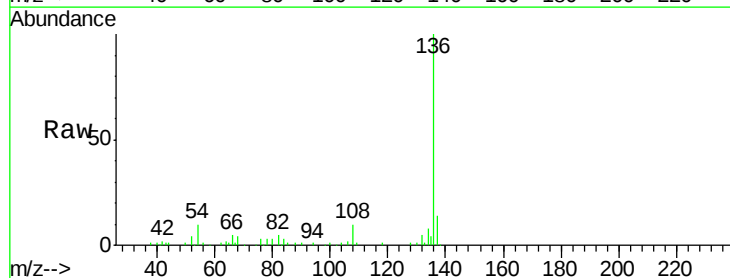
Instrument :
BNA_G
ClientSampleId :

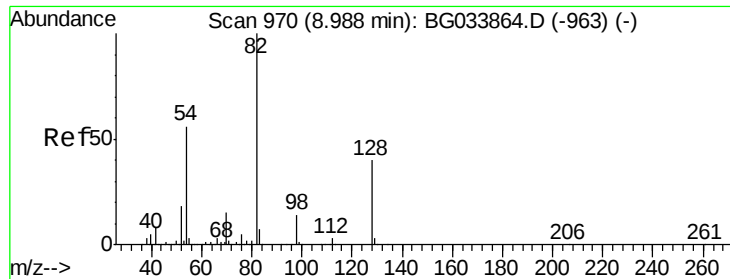
Tot Ion: 70 Resp: 34142
Ion Ratio Lower Upper
70 100
42 48.5 49.1 73.7#
101 0.0 8.5 12.7#
130 3.5 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.54 min Scan# 1235
Delta R.T. -0.08 min
Lab File: BG034070.D
Acq: 28 Apr 2018 12:06

Tgt Ion: 136 Resp: 185087
Ion Ratio Lower Upper
136 100
137 13.6 9.2 13.8
54 9.7 10.3 15.5#
68 4.2 4.5 6.7#

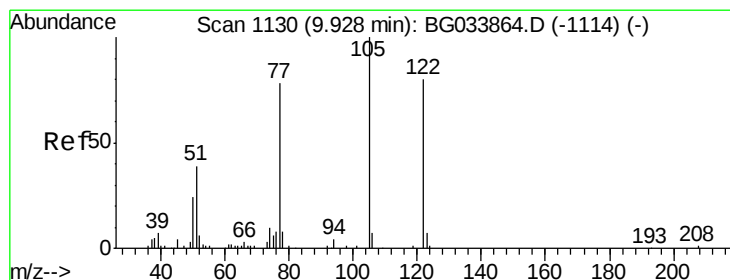
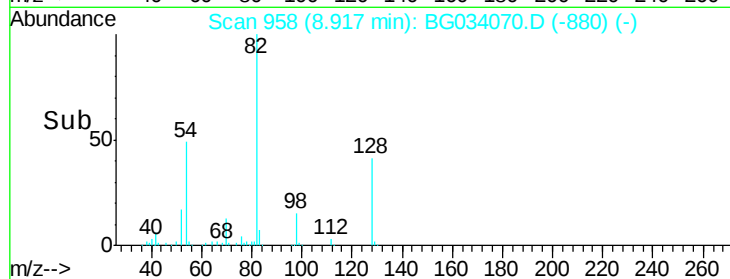
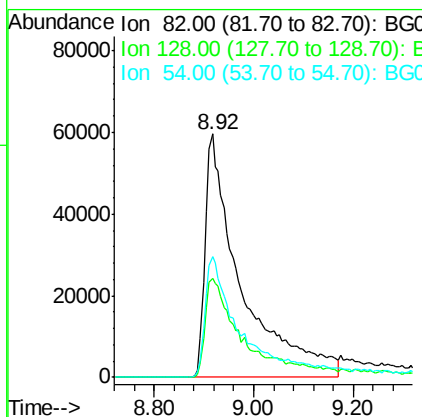
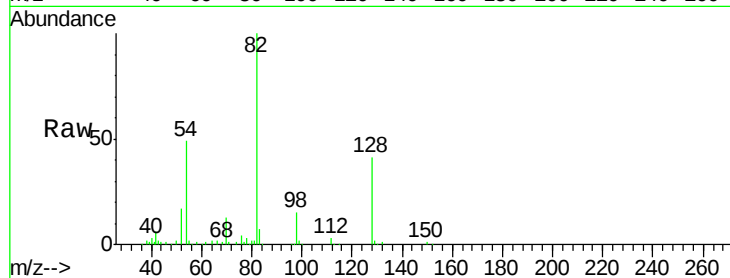




#23
 Nitrobenzene-d5
 Concen: 92.11 ng
 RT: 8.92 min Scan# 958
 Delta R.T. -0.07 min
 Lab File: BG034070.D
 Acq: 28 Apr 2018 12:06

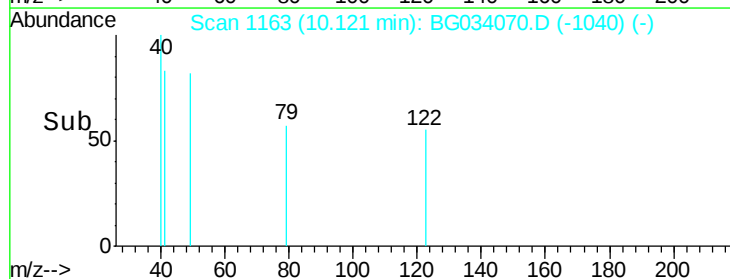
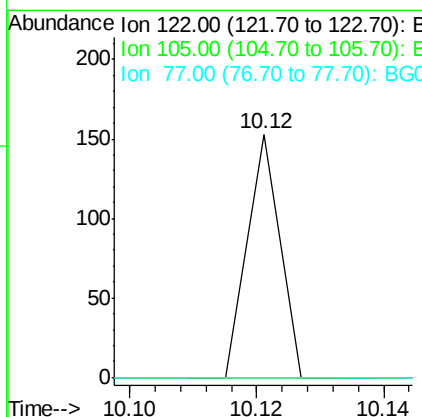
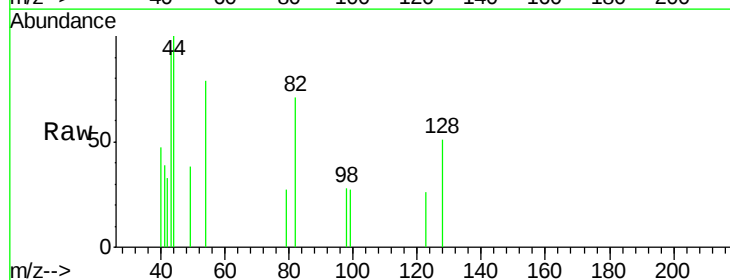
Instrument :
 BNA_G
 ClientSampleId :

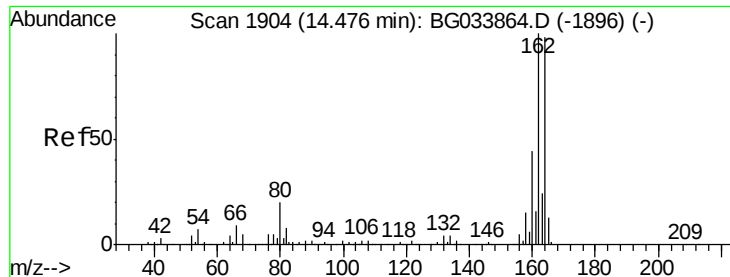
Tot Ion	82	Resp	299567
Ion Ratio	100	Lower	Upper
128	40.6	29.7	44.5
54	49.4	43.1	64.7



#32
 Benzoic acid
 Concen: 5.10 ng
 RT: 10.12 min Scan# 1163
 Delta R.T. 0.19 min
 Lab File: BG034070.D
 Acq: 28 Apr 2018 12:06

Tgt Ion	122	Resp	54
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.39 min Scan# 1889

Delta R.T. -0.09 min

Lab File: BG034070.D

Acq: 28 Apr 2018 12:06

Instrument :

BNA_G

ClientSampleId :

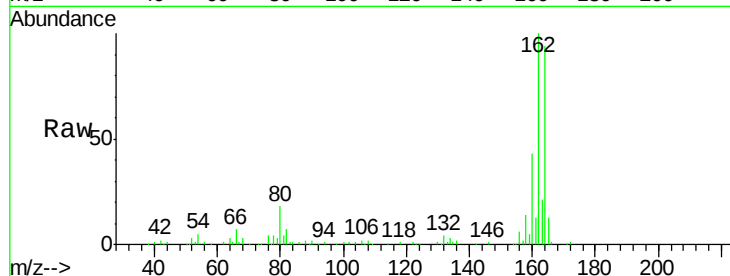
Tot Ion:164 Resp: 162885

Ion Ratio Lower Upper

164 100

162 106.0 78.8 118.2

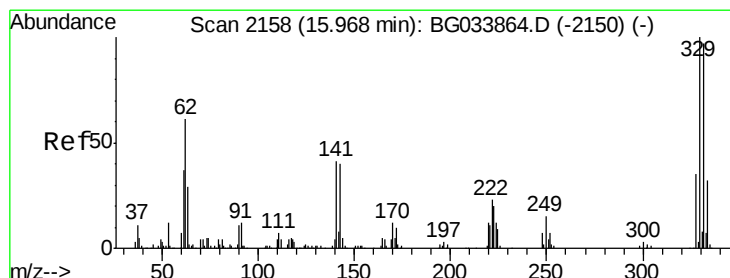
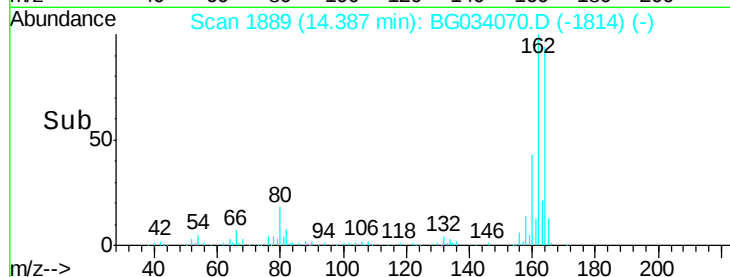
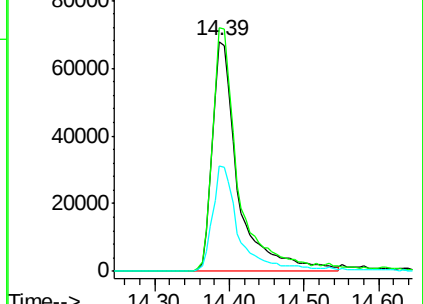
160 45.7 35.4 53.0



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: 110.81 ng

RT: 15.88 min Scan# 2144

Delta R.T. -0.08 min

Lab File: BG034070.D

Acq: 28 Apr 2018 12:06

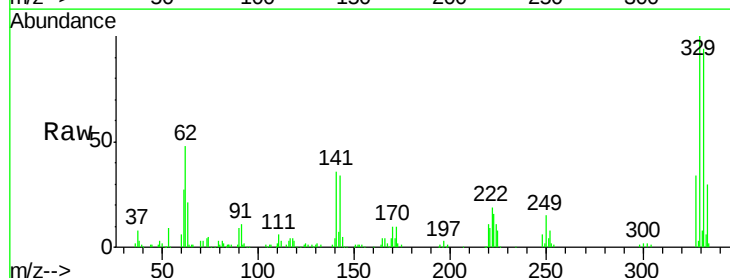
Tgt Ion:330 Resp: 210582

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

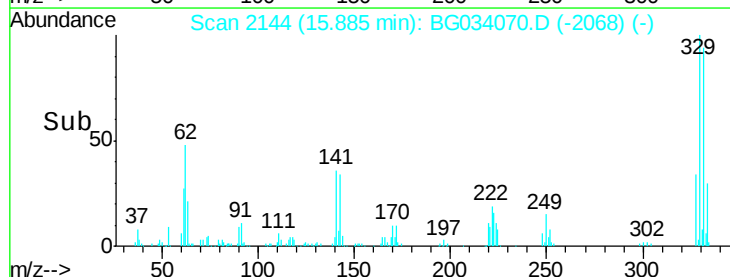
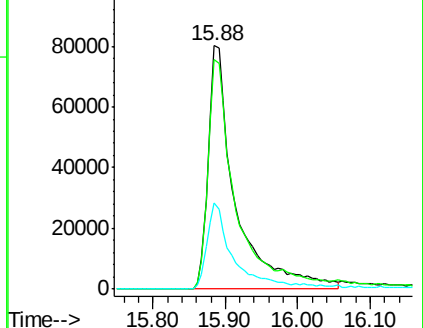
141 33.0 25.2 37.8

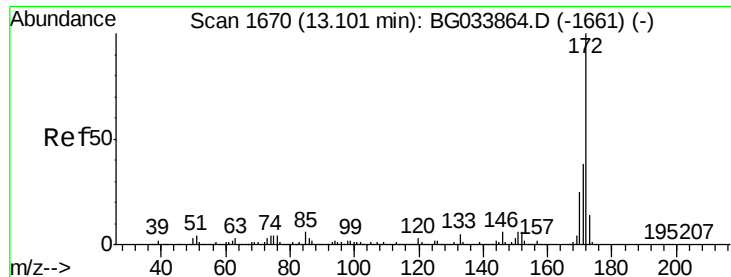


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

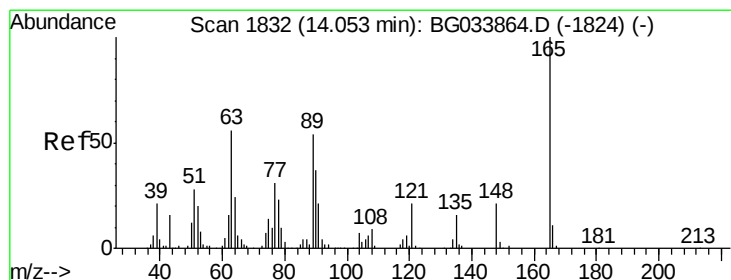
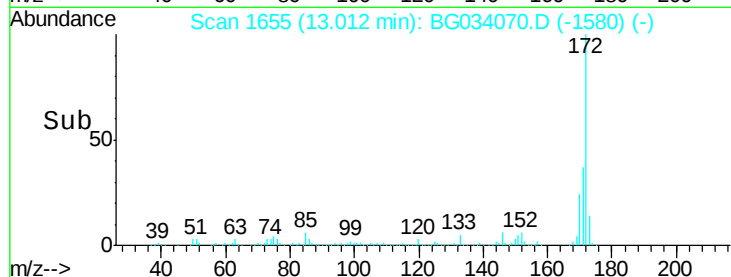
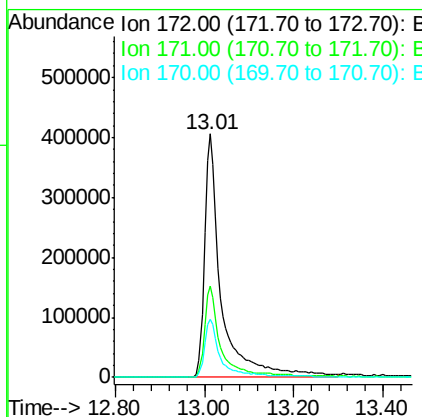
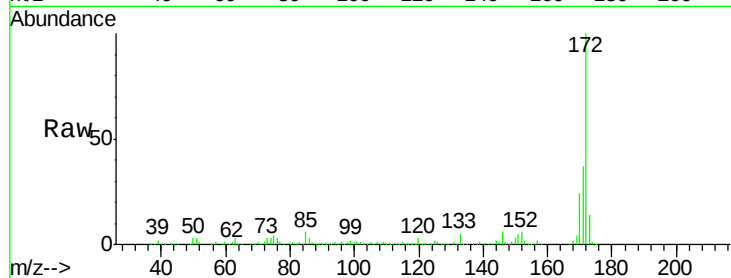




#44
 2-Fluorobiphenyl
 Concen: 96.88 ng
 RT: 13.01 min Scan# 1655
 Delta R.T. -0.09 min
 Lab File: BG034070.D
 Acq: 28 Apr 2018 12:06

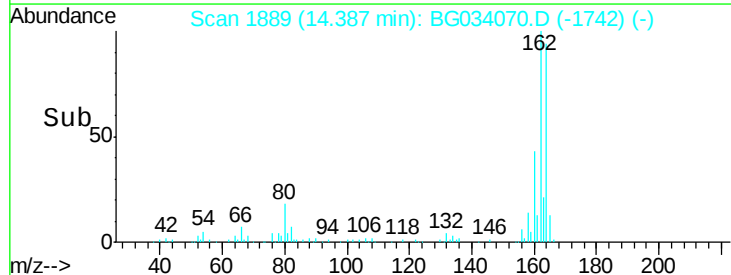
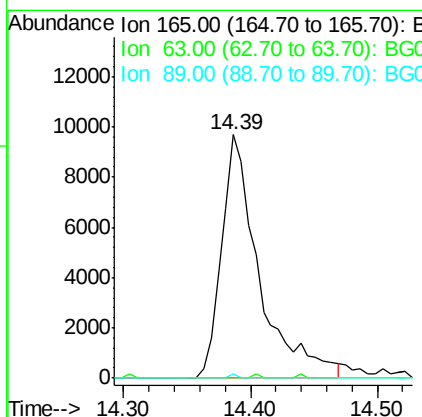
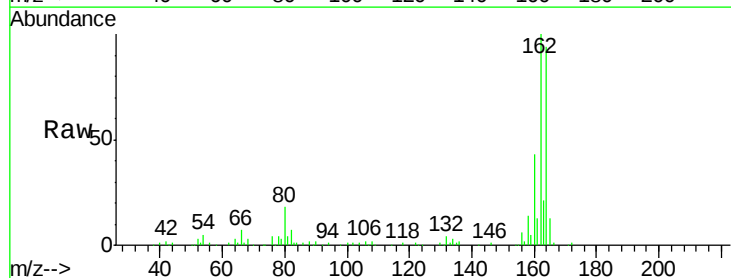
Instrument :
 BNA_G
 ClientSampled :

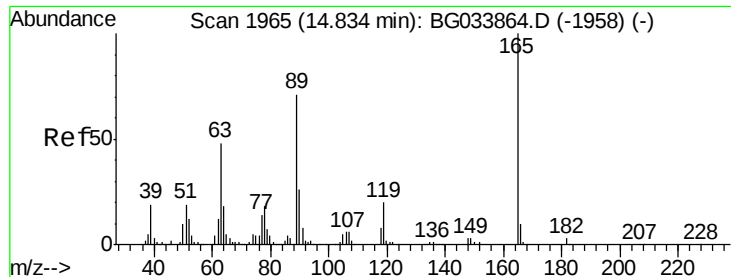
Tot Ion:172 Resp: 1074224
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.0 45.0
 170 24.1 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.33 ng
 RT: 14.39 min Scan# 1889
 Delta R.T. 0.33 min
 Lab File: BG034070.D
 Acq: 28 Apr 2018 12:06

Tgt Ion:165 Resp: 19915
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.0 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 5.67 ng

RT: 14.39 min Scan# 1889

Delta R.T. -0.45 min

Lab File: BG034070.D

Acq: 28 Apr 2018 12:06

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 20474

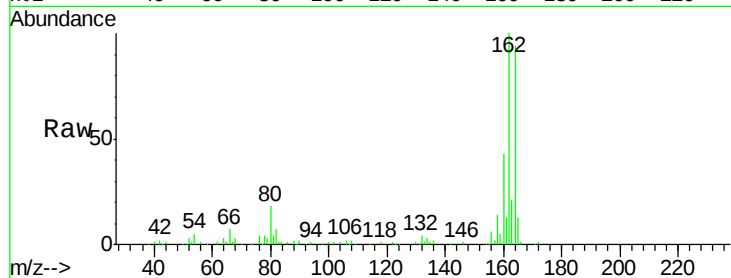
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.0 66.9 100.3#

182 0.0 2.6 3.8#

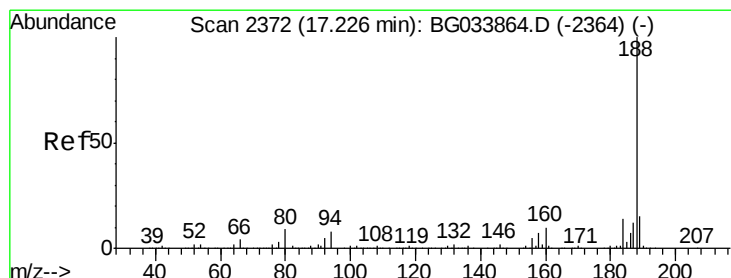
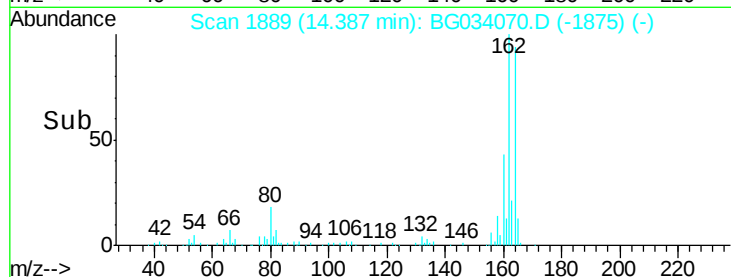
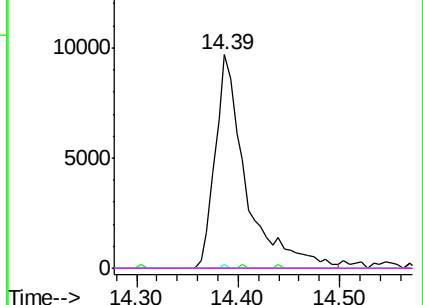


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.15 min Scan# 2359

Delta R.T. -0.08 min

Lab File: BG034070.D

Acq: 28 Apr 2018 12:06

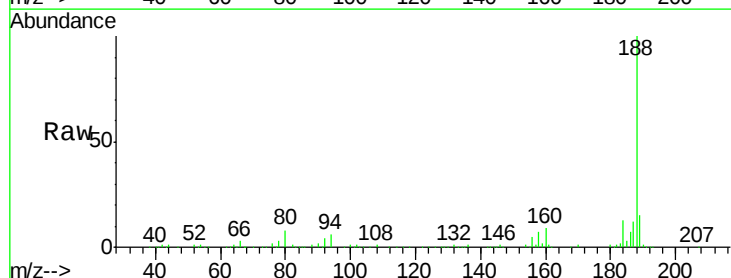
Tgt Ion:188 Resp: 453932

Ion Ratio Lower Upper

188 100

94 6.0 6.9 10.3#

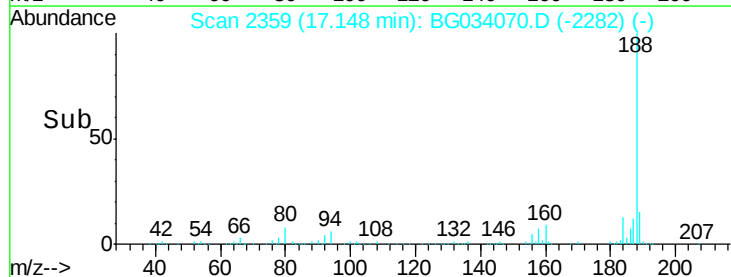
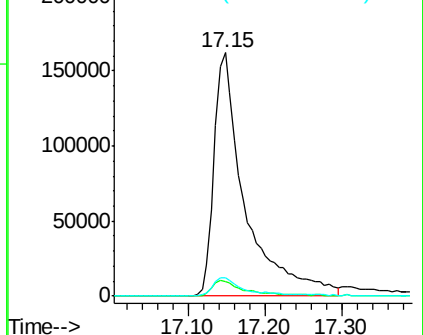
80 7.7 7.7 11.5#

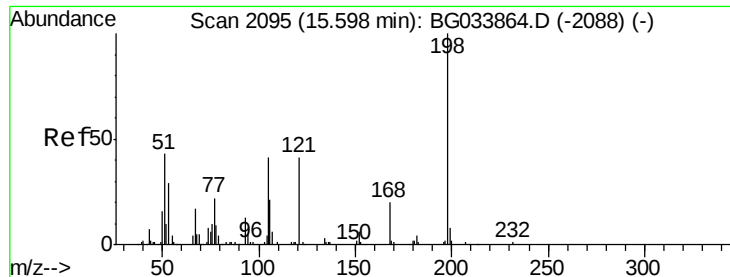


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.11 ng

RT: 15.88 min Scan# 2144

Delta R.T. 0.29 min

Lab File: BG034070.D

Acq: 28 Apr 2018 12:06

Instrument :

BNA_G

ClientSampleId :

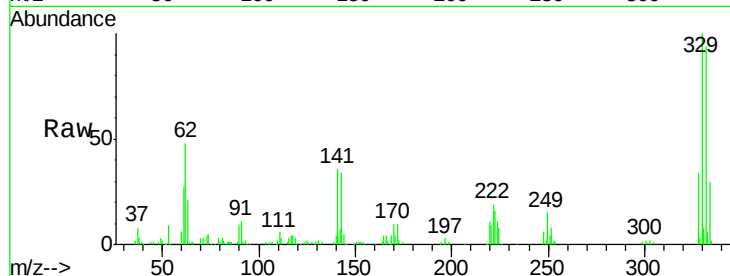
Tot Ion:198 Resp: 1578

Ion Ratio Lower Upper

198 100

51 21.5 30.6 70.6#

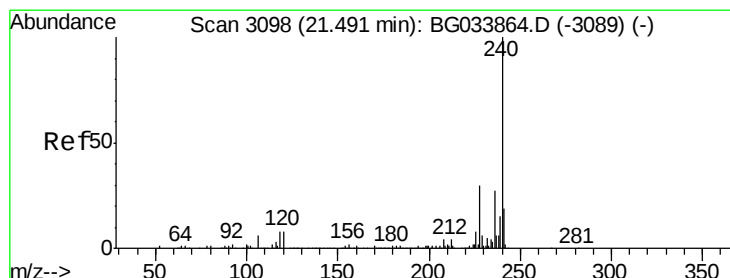
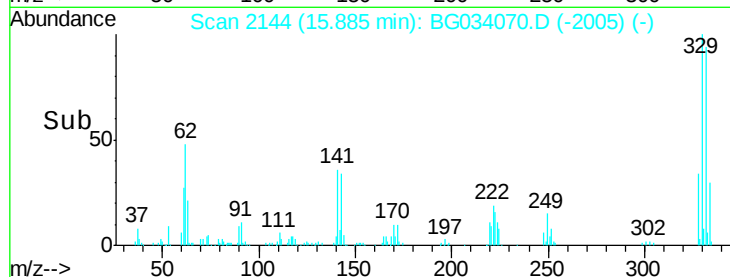
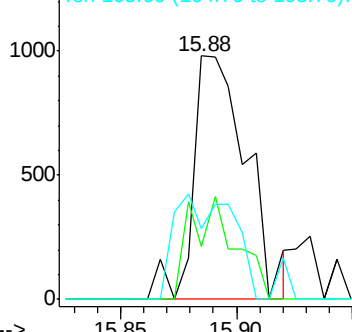
105 29.4 23.8 63.8



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

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: BG034070.D

Acq: 28 Apr 2018 12:06

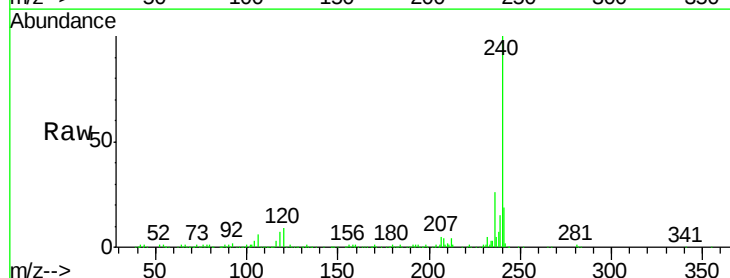
Tgt Ion:240 Resp: 538955

Ion Ratio Lower Upper

240 100

120 8.7 6.8 10.2

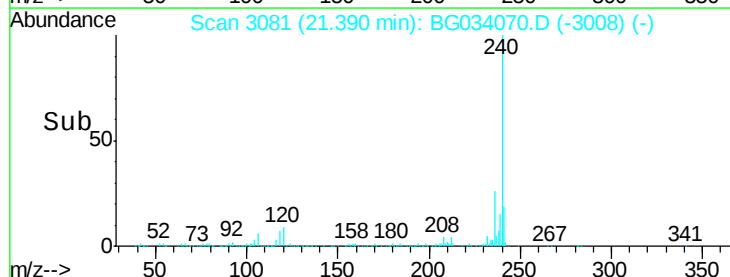
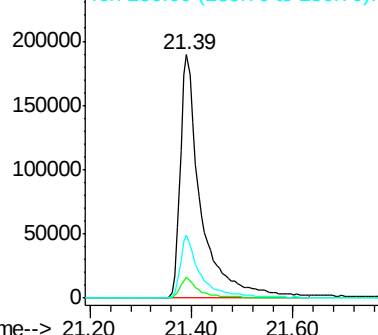
236 25.9 20.9 31.3

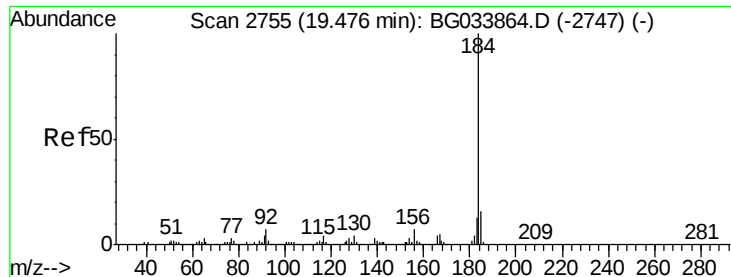


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.24 ng

RT: 19.78 min Scan# 2807

Delta R.T. 0.30 min

Lab File: BG034070.D

Acq: 28 Apr 2018 12:06

Instrument :

BNA_G

ClientSampled :

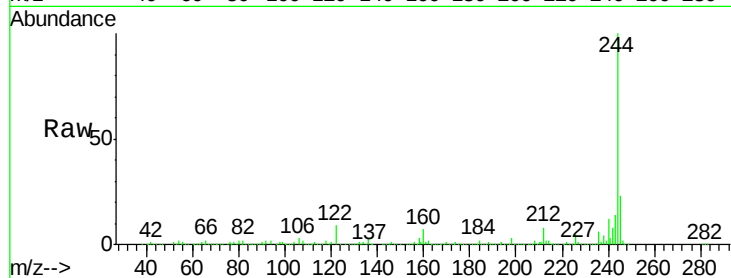
Tot Ion:184 Resp: 32656

Ion Ratio Lower Upper

184 100

185 15.4 11.1 16.7

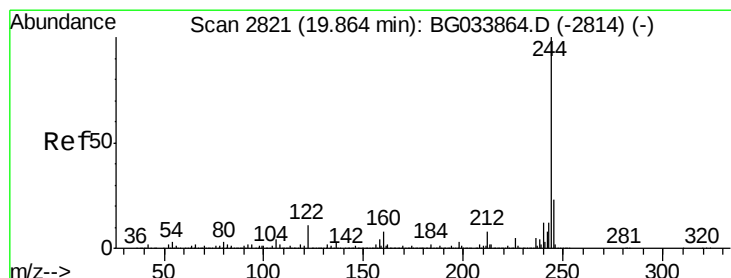
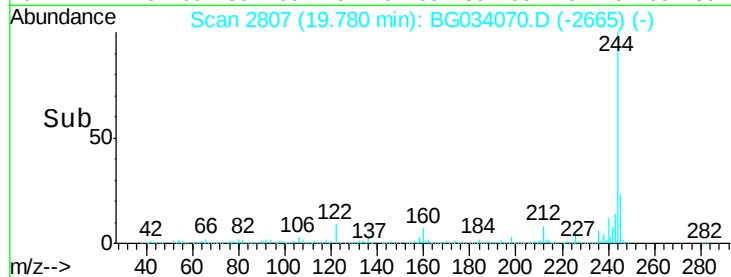
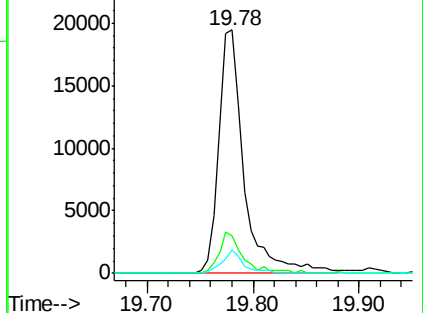
183 9.5 10.6 16.0#



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: 96.20 ng

RT: 19.78 min Scan# 2807

Delta R.T. -0.08 min

Lab File: BG034070.D

Acq: 28 Apr 2018 12:06

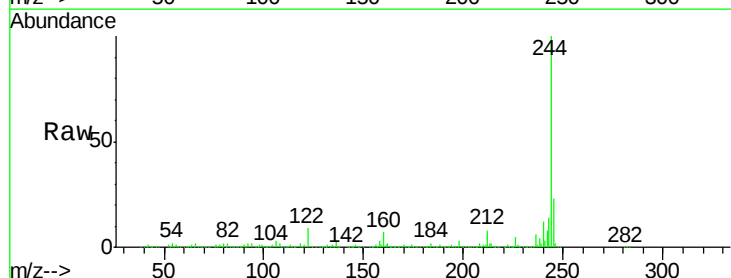
Tgt Ion:244 Resp: 2307741

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

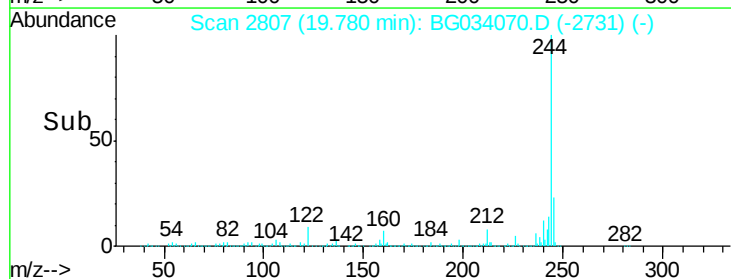
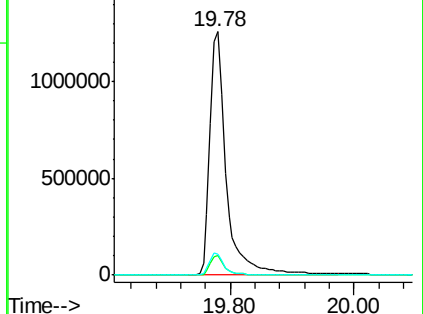
122 8.8 7.0 10.4

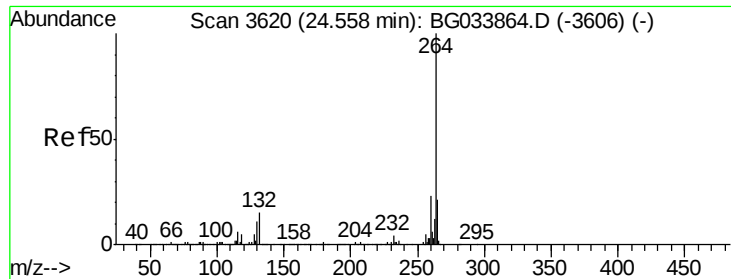


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 24.39 min Scan# 3591
 Delta R.T. -0.17 min
 Lab File: BG034070.D
 Acq: 28 Apr 2018 12:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.4	26.0
265	22.4	17.7	26.5

