

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
 Data File : BG034050.D
 Acq On : 27 Apr 2018 22:03
 Operator : SJ/JU
 Sample : J2455-47
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 28 00:34:47 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

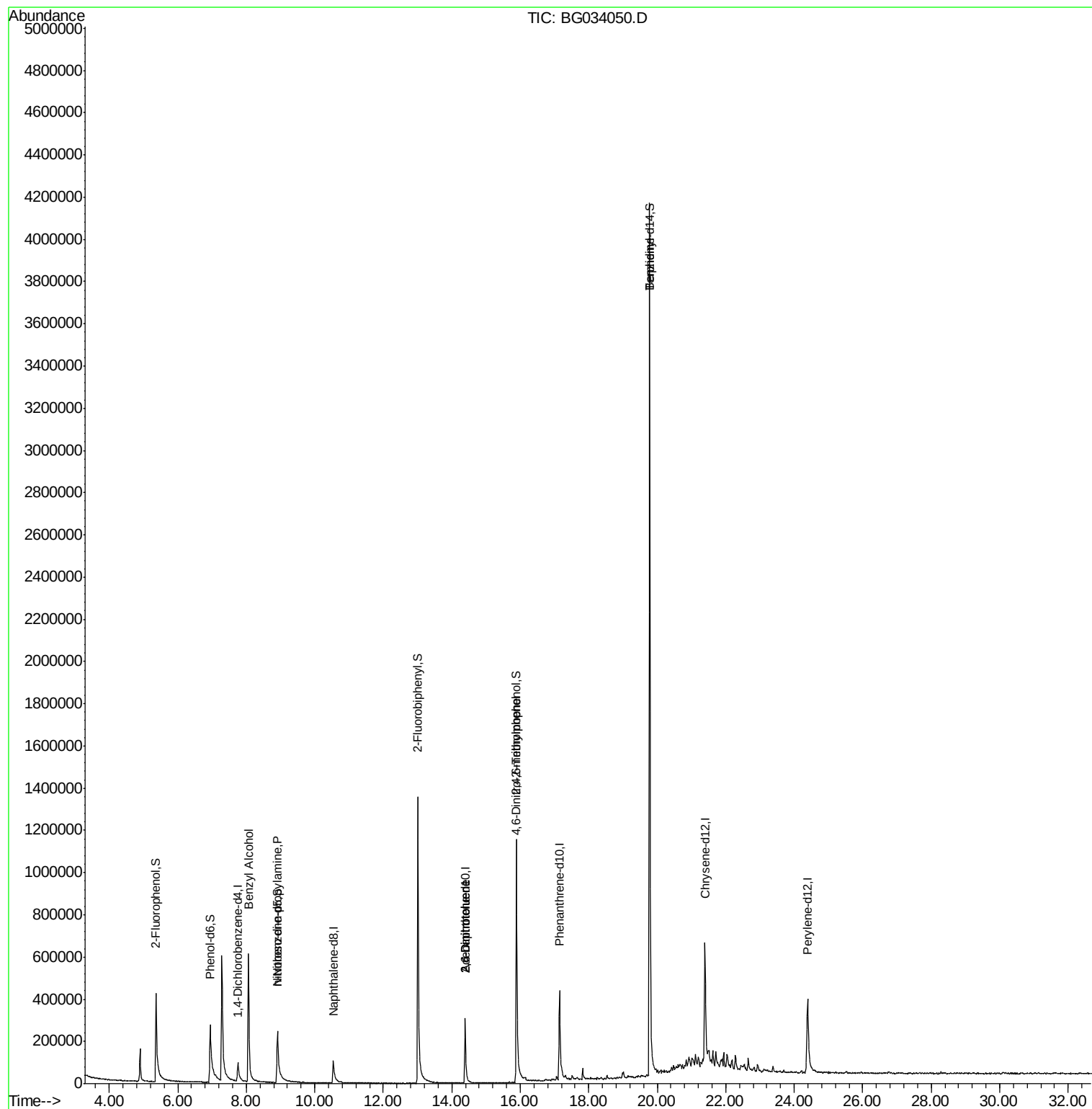
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	29029	20.00	ng	-0.08
21) Naphthalene-d8	10.54	136	203644	20.00	ng	-0.09
38) Acenaphthene-d10	14.39	164	159629	20.00	ng	-0.08
63) Phenanthrene-d10	17.15	188	465412	20.00	ng	-0.08
75) Chrysene-d12	21.39	240	527148	20.00	ng	-0.10
86) Perylene-d12	24.39	264	534160	20.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	371090	204.09	ng	-0.08
7) Phenol-d6	6.94	99	384348	144.93	ng	-0.06
23) Nitrobenzene-d5	8.91	82	309469	86.48	ng	-0.08
41) 2,4,6-Tribromophenol	15.89	330	333246	178.94	ng	-0.08
44) 2-Fluorobiphenyl	13.01	172	1090666	100.37	ng	-0.09
78) Terphenyl-d14	19.78	244	2511075	107.02	ng	-0.08
Target Compounds						
9) Benzaldehyde	6.96	77	382	Below Cal	Qvalue #	5
15) Benzyl Alcohol	8.07	79	5731	2.478 ng	#	45
19) n-Nitroso-di-n-propylamine	8.91	70	40703	18.005 ng	#	80
50) 2,6-Dinitrotoluene	14.39	165	20439	7.681 ng	#	20
56) 2,4-Dinitrotoluene	14.39	165	20439	5.776 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.87	198	493	6.679 ng		90
76) Benizidine	19.78	184	36727	2.580 ng	#	87

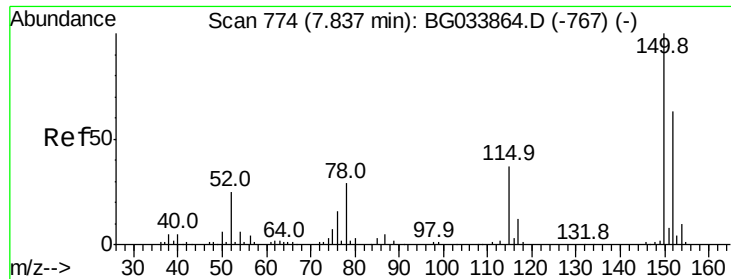
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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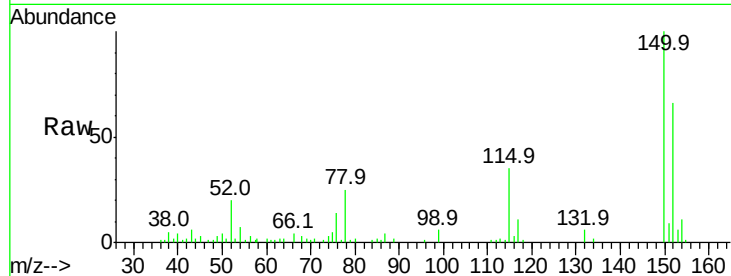


#1

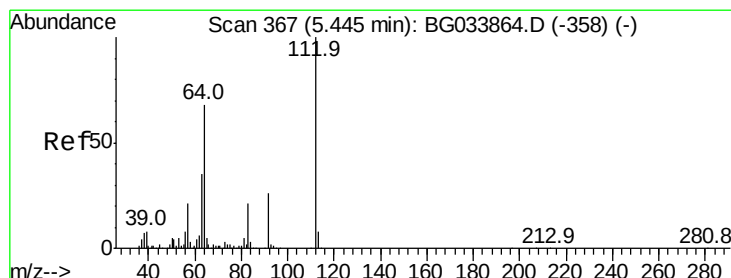
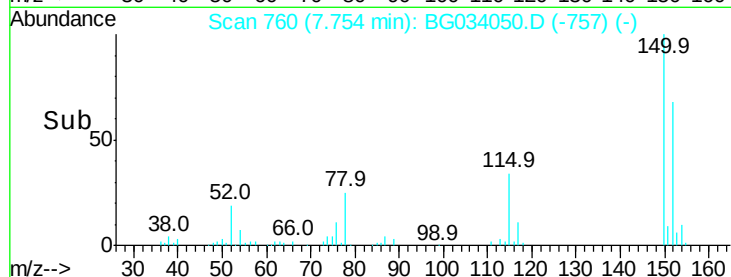
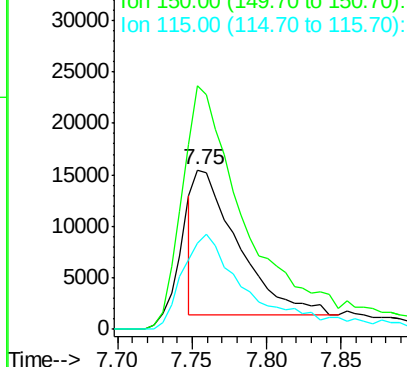
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.75 min Scan# 760
Delta R.T. -0.08 min
Lab File: BG034050.D
Acq: 27 Apr 2018 22:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 29029
Ion Ratio Lower Upper
152 100
150 152.7 126.6 189.8
115 54.1 53.0 79.4



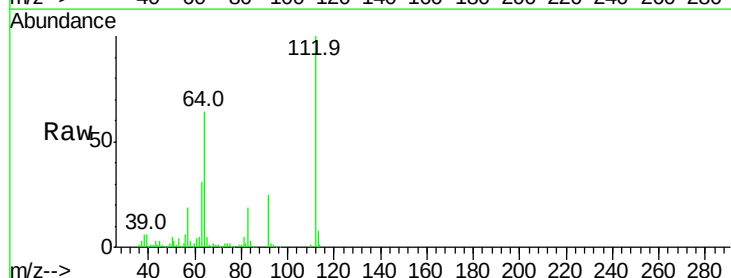
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



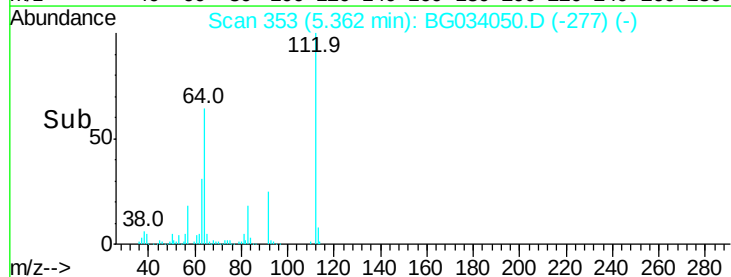
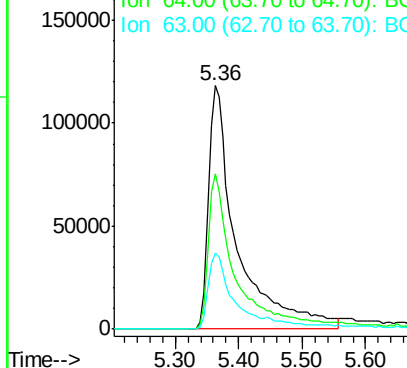
#5

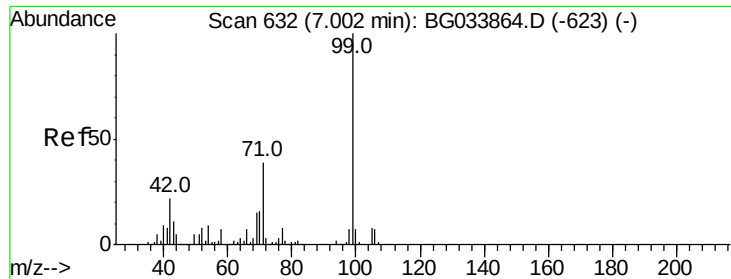
2-Fluorophenol
Concen: 204.092 ng
RT: 5.36 min Scan# 353
Delta R.T. -0.08 min
Lab File: BG034050.D
Acq: 27 Apr 2018 22:03

Tgt Ion:112 Resp: 371090
Ion Ratio Lower Upper
112 100
64 64.0 56.3 84.5
63 31.2 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: 144.926 ng

RT: 6.94 min Scan# 622

Delta R.T. -0.06 min

Lab File: BG034050.D

Acq: 27 Apr 2018 22:03

Instrument :

BNA_G

ClientSampleId :

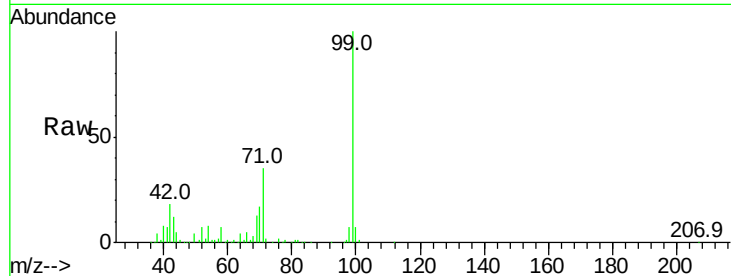
Tot Ion: 99 Resp: 384348

Ion Ratio Lower Upper

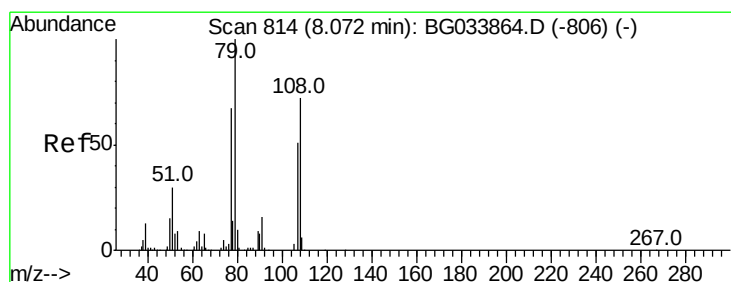
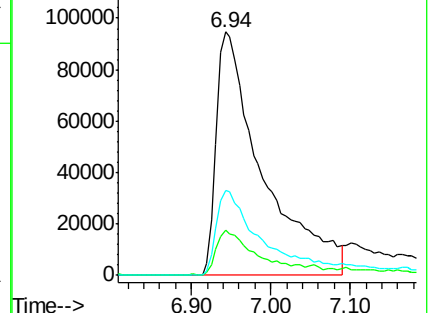
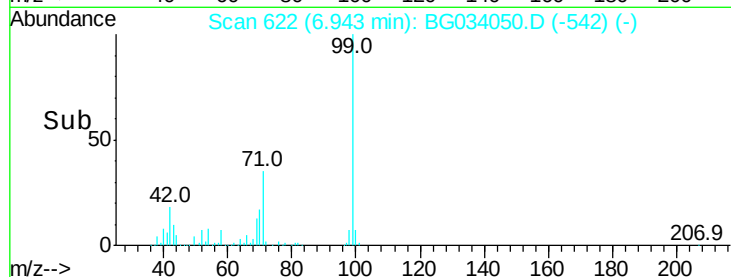
99 100

42 18.4 14.1 21.1

71 35.1 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: 2.478 ng

RT: 8.07 min Scan# 813

Delta R.T. -0.01 min

Lab File: BG034050.D

Acq: 27 Apr 2018 22:03

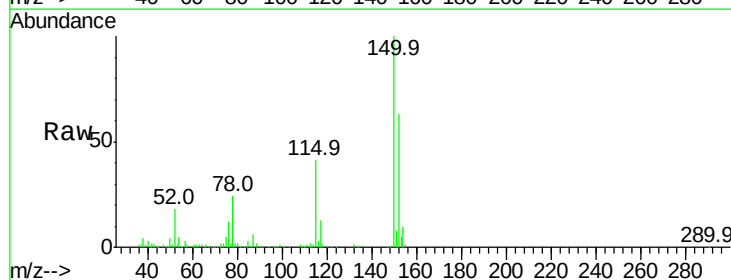
Tgt Ion: 79 Resp: 5731

Ion Ratio Lower Upper

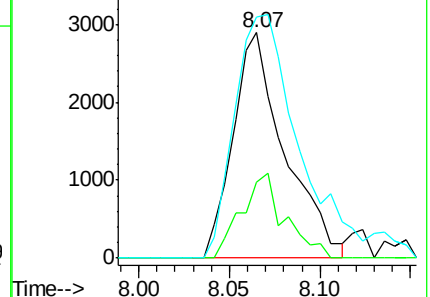
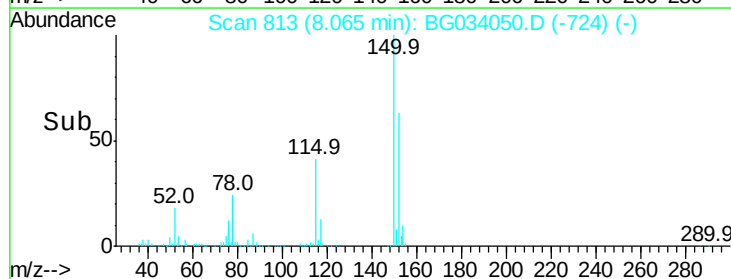
79 100

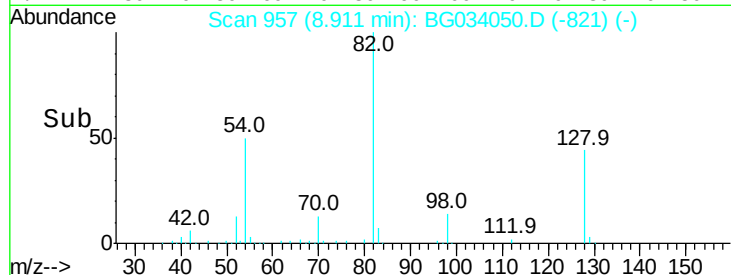
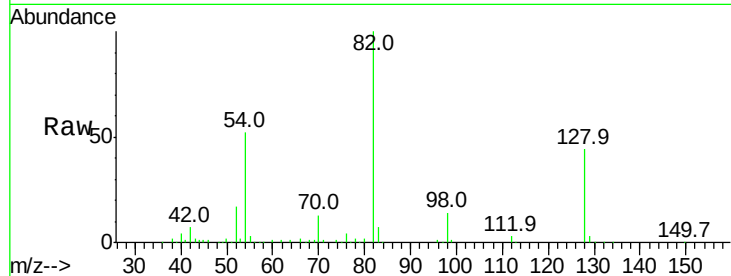
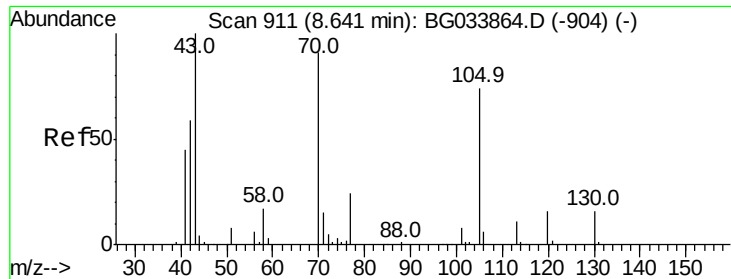
108 33.8 57.2 85.8#

77 106.8 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

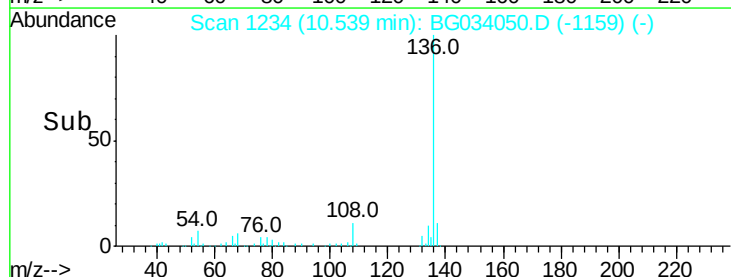
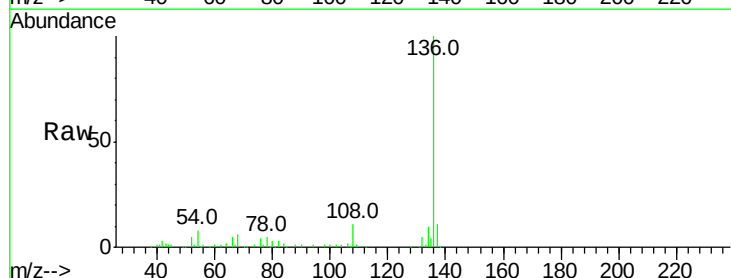
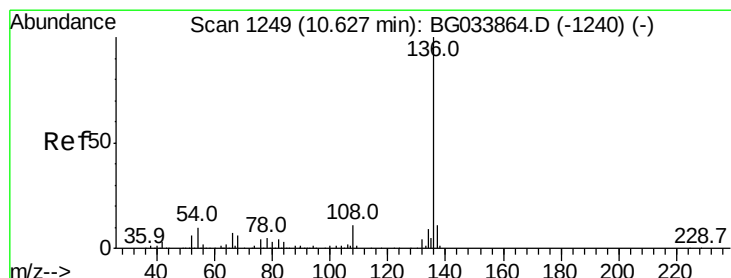
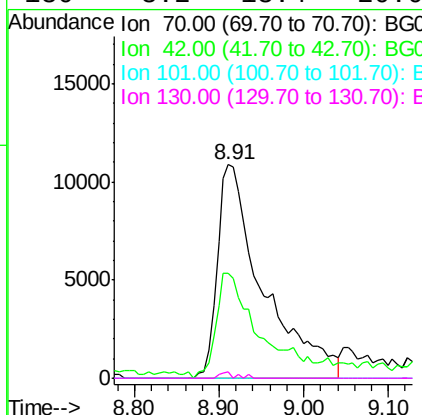




#19
n-Nitroso-di-n-propylamine
Concen: 18.005 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.27 min
Lab File: BG034050.D
Acq: 27 Apr 2018 22:03

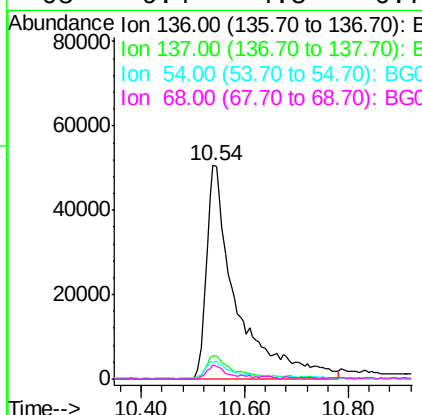
Instrument :
BNA_G
ClientSampleId :

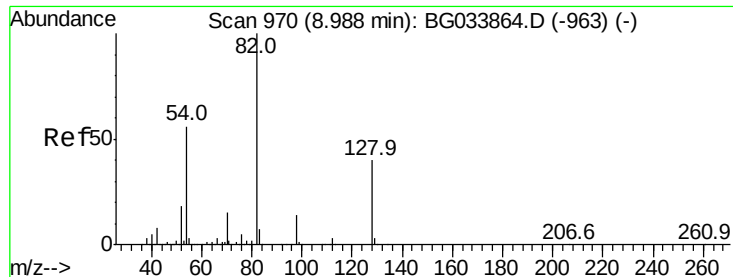
Tot Ion: 70 Resp: 40703
Ion Ratio Lower Upper
70 100
42 49.3 49.1 73.7
101 0.0 8.5 12.7#
130 3.2 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.54 min Scan# 1234
Delta R.T. -0.09 min
Lab File: BG034050.D
Acq: 27 Apr 2018 22:03

Tgt Ion: 136 Resp: 203644
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 7.8 10.3 15.5#
68 6.4 4.5 6.7

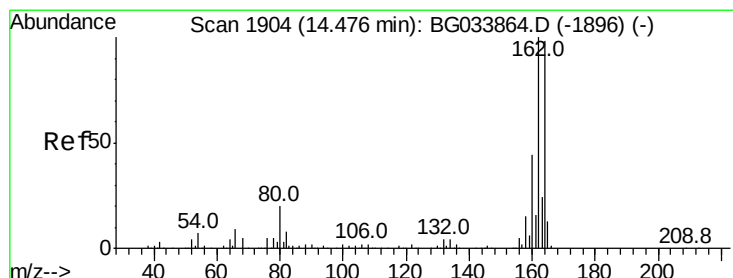
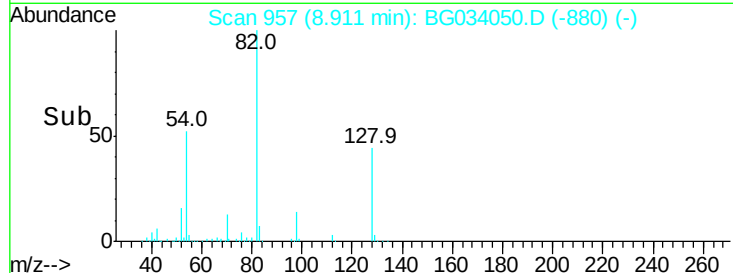
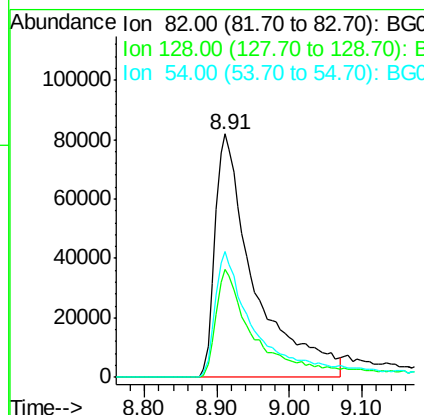
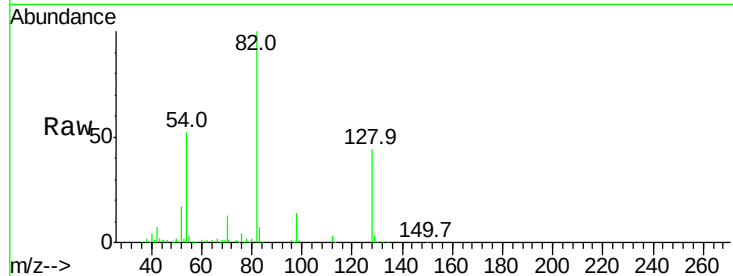




#23
Nitrobenzene-d5
Concen: 86.483 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.08 min
Lab File: BG034050.D
Acq: 27 Apr 2018 22:03

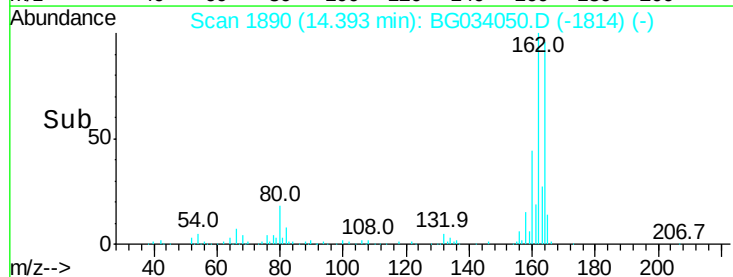
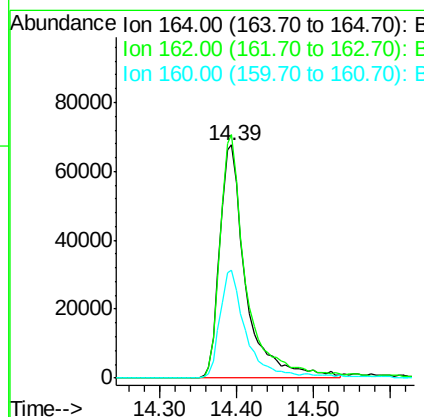
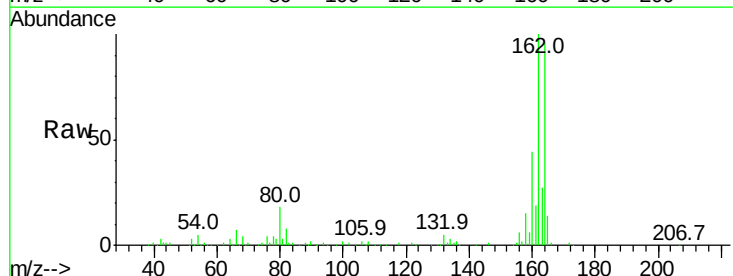
Instrument :
BNA_G
ClientSampleId :

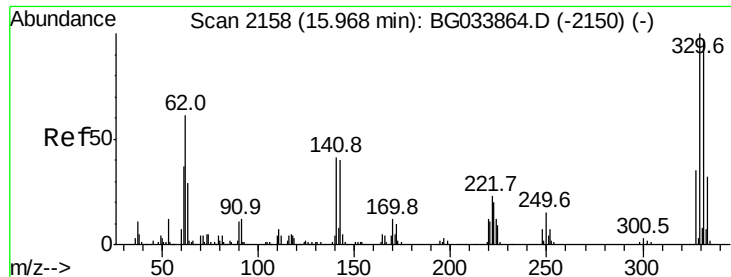
Tot Ion	82	Resp	309469
Ion Ratio	100	Lower	Upper
128	44.4	29.7	44.5
54	51.7	43.1	64.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.39 min Scan# 1890
Delta R.T. -0.08 min
Lab File: BG034050.D
Acq: 27 Apr 2018 22:03

Tgt Ion	164	Resp	159629
Ion Ratio	100	Lower	Upper
162	104.4	78.8	118.2
160	46.1	35.4	53.0

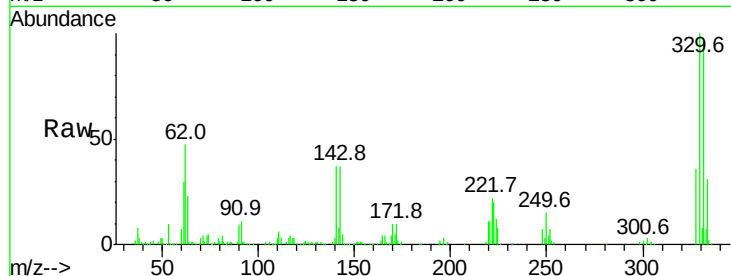




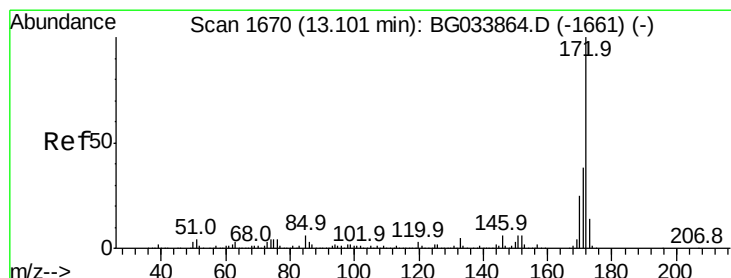
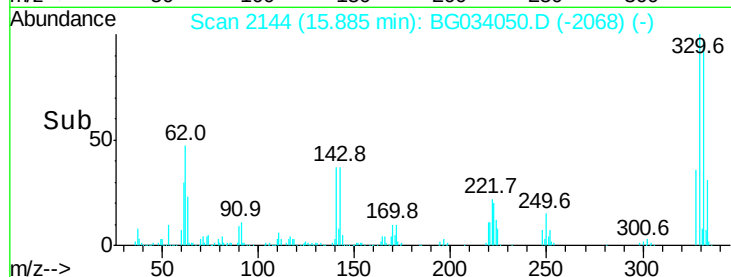
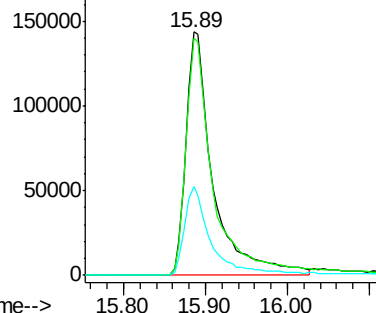
#41
 2,4,6-Tribromophenol
 Concen: 178.941 ng
 RT: 15.89 min Scan# 2144
 Delta R.T. -0.08 min
 Lab File: BG034050.D
 Acq: 27 Apr 2018 22:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 333246
 Ion Ratio Lower Upper
 330 100
 332 103.0 77.0 115.6
 141 36.3 25.2 37.8

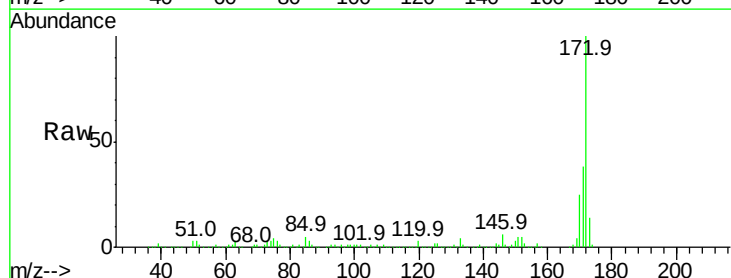


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

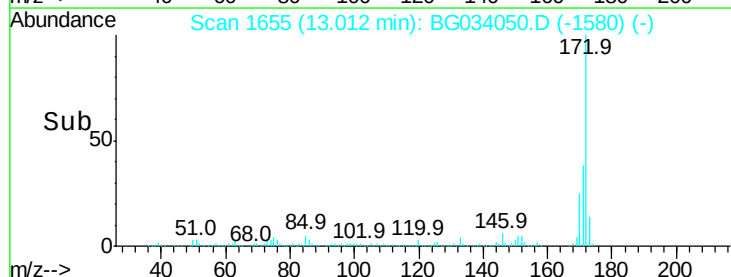
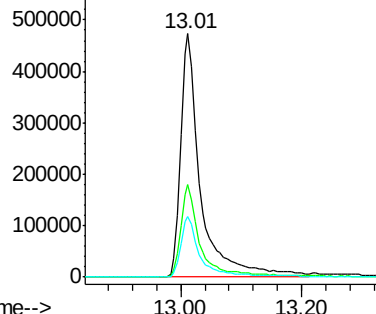


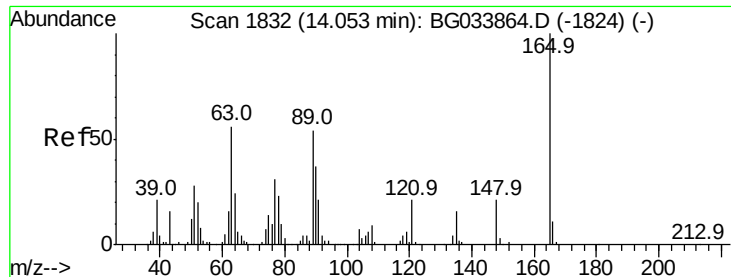
#44
 2-Fluorobiphenyl
 Concen: 100.371 ng
 RT: 13.01 min Scan# 1655
 Delta R.T. -0.09 min
 Lab File: BG034050.D
 Acq: 27 Apr 2018 22:03

Tgt Ion:172 Resp: 1090666
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.0 45.0
 170 25.1 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

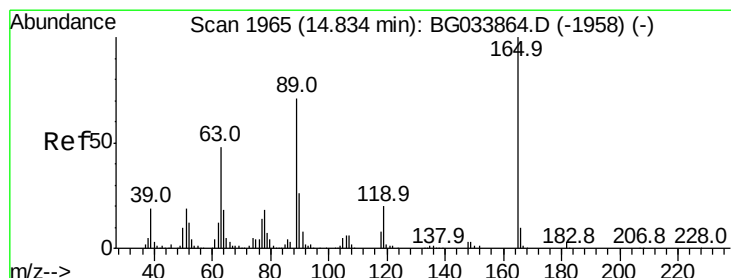
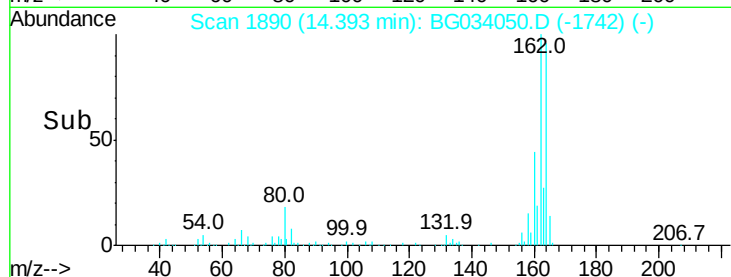
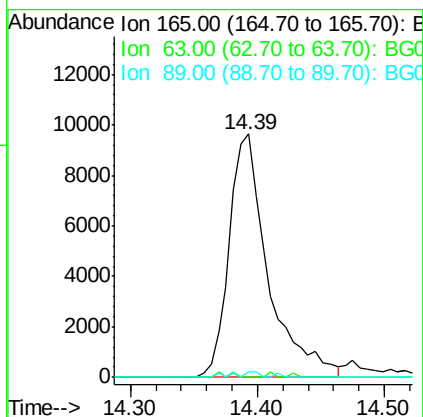
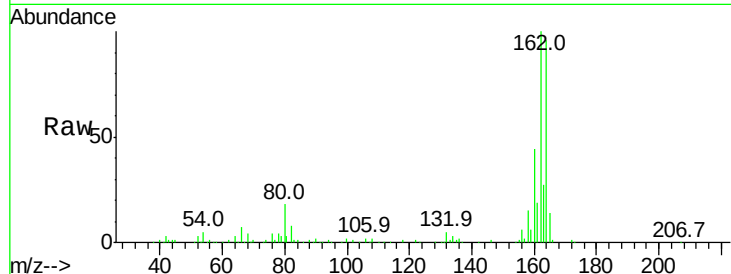




#50
2,6-Dinitrotoluene
Concen: 7.681 ng
RT: 14.39 min Scan# 1890
Delta R.T. 0.34 min
Lab File: BG034050.D
Acq: 27 Apr 2018 22:03

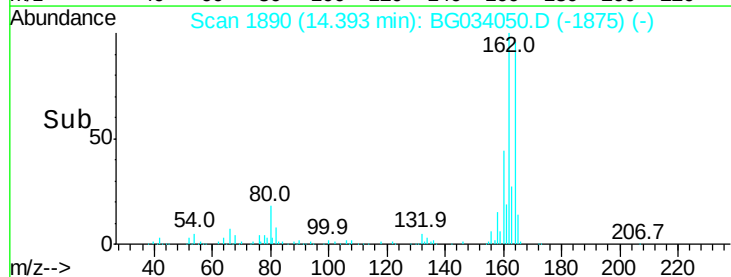
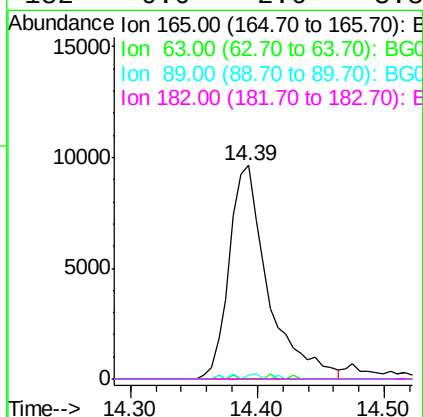
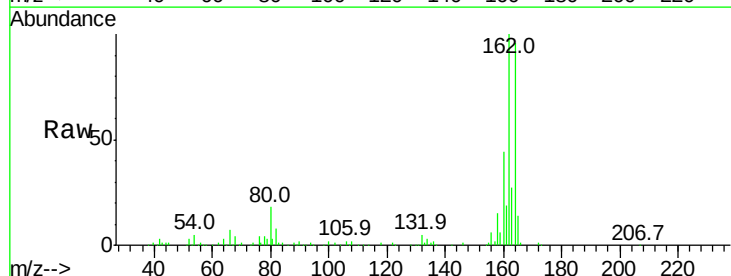
Instrument :
BNA_G
ClientSampleId :

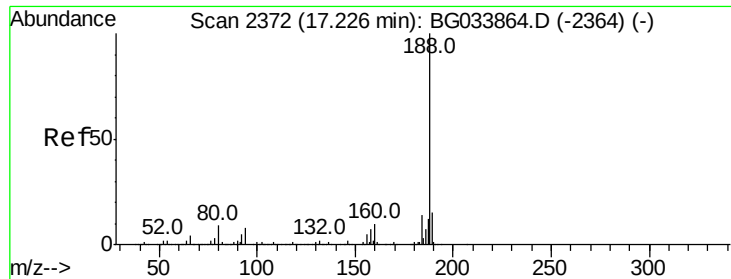
Tot Ion:165 Resp: 20439
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 2.1 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 5.776 ng
RT: 14.39 min Scan# 1890
Delta R.T. -0.44 min
Lab File: BG034050.D
Acq: 27 Apr 2018 22:03

Tgt Ion:165 Resp: 20439
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 2.1 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.15 min Scan# 2359

Delta R.T. -0.08 min

Lab File: BG034050.D

Acq: 27 Apr 2018 22:03

Instrument :

BNA_G

ClientSampleId :

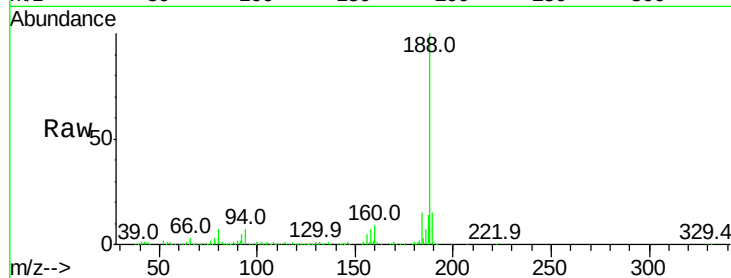
Tot Ion:188 Resp: 465412

Ion Ratio Lower Upper

188 100

94 7.2 6.9 10.3

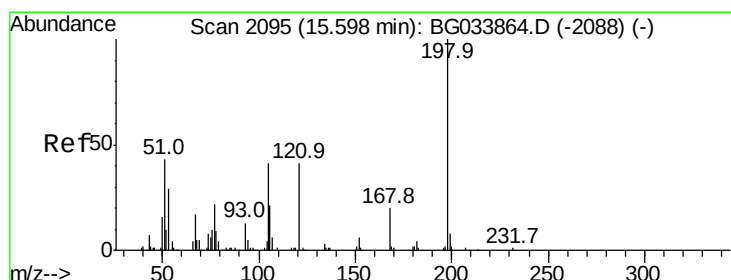
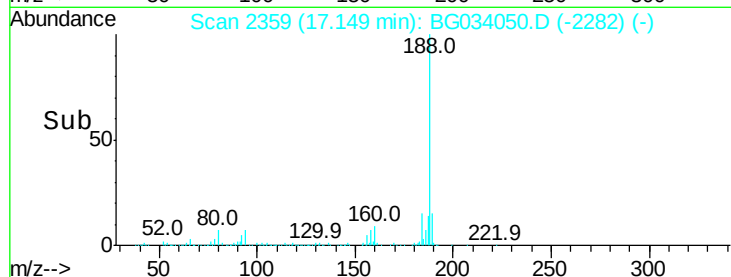
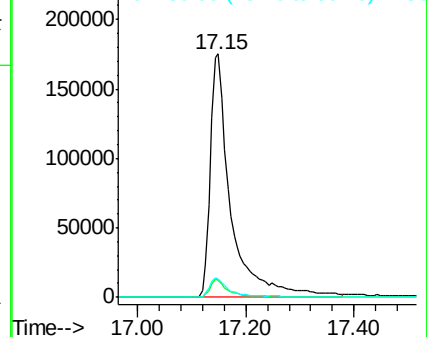
80 7.4 7.7 11.5#



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: 6.679 ng

RT: 15.87 min Scan# 2142

Delta R.T. 0.28 min

Lab File: BG034050.D

Acq: 27 Apr 2018 22:03

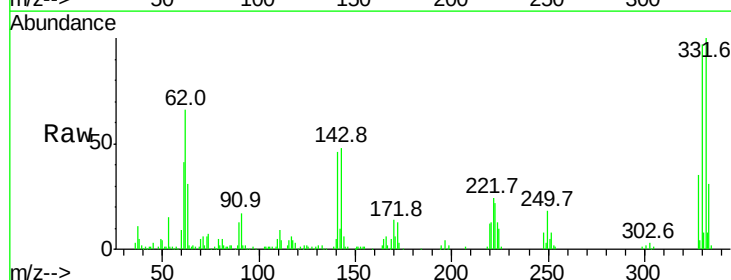
Tgt Ion:198 Resp: 493

Ion Ratio Lower Upper

198 100

51 51.0 30.6 70.6

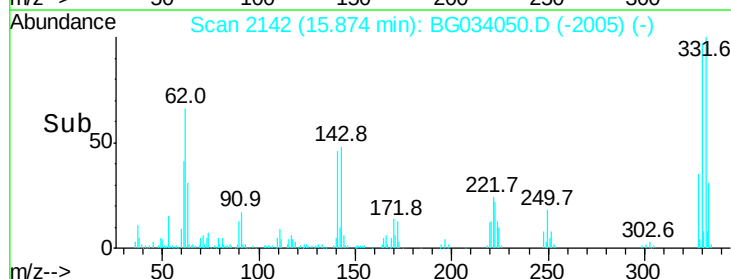
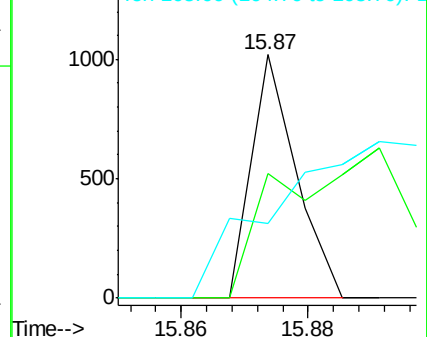
105 30.6 23.8 63.8

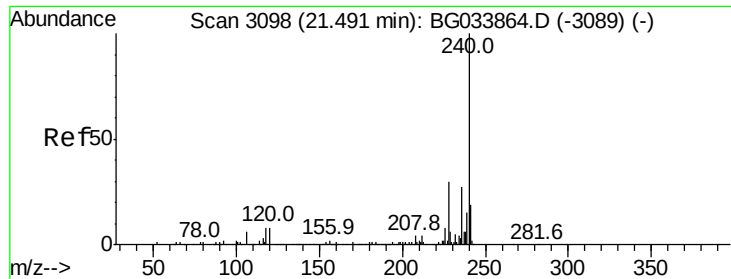


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.39 min Scan# 3081

Delta R.T. -0.10 min

Lab File: BG034050.D

Acq: 27 Apr 2018 22:03

Instrument :

BNA_G

ClientSampleId :

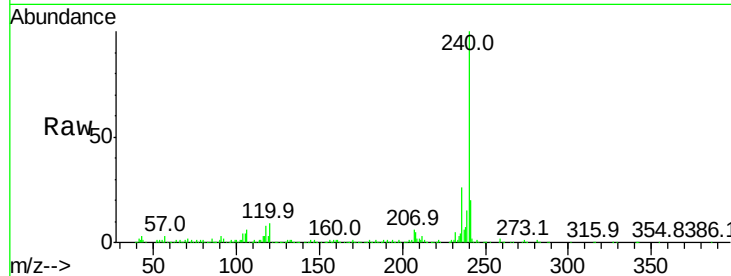
Tot Ion:240 Resp: 527148

Ion Ratio Lower Upper

240 100

120 8.7 6.8 10.2

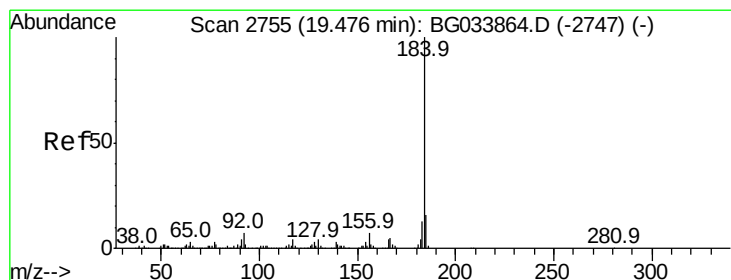
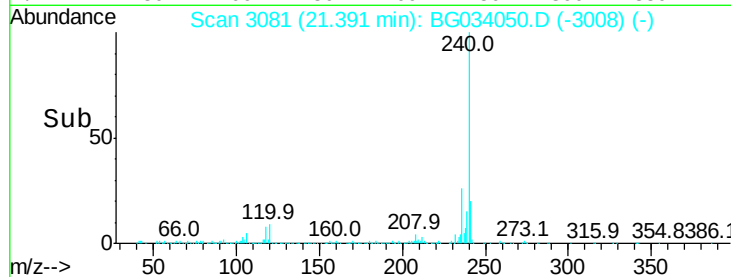
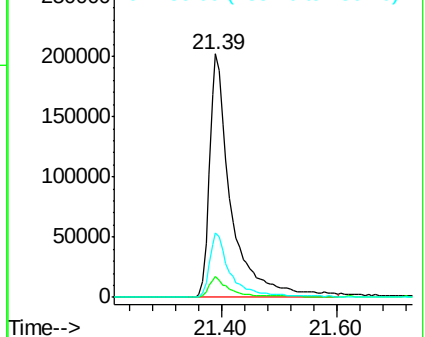
236 26.3 20.9 31.3



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: 2.580 ng

RT: 19.78 min Scan# 2807

Delta R.T. 0.30 min

Lab File: BG034050.D

Acq: 27 Apr 2018 22:03

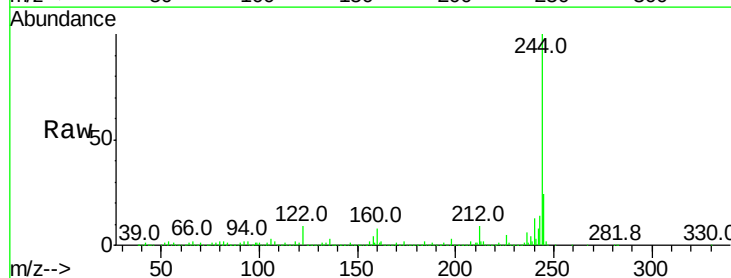
Tgt Ion:184 Resp: 36727

Ion Ratio Lower Upper

184 100

185 18.9 11.1 16.7#

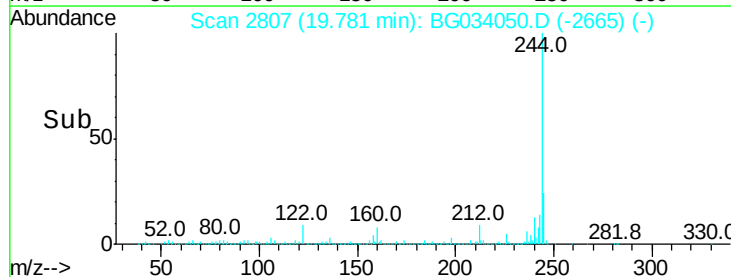
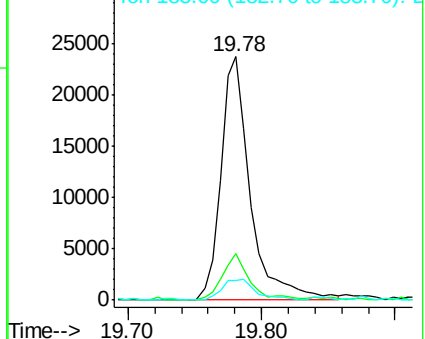
183 8.1 10.6 16.0#

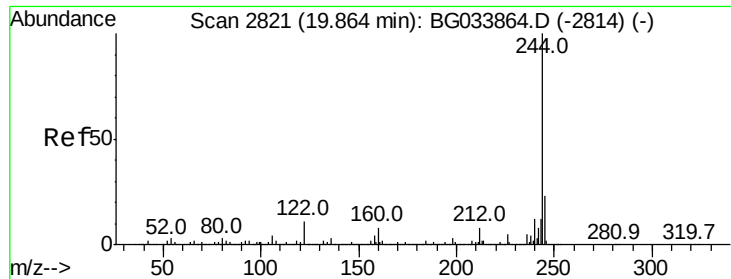


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 107.018 ng

RT: 19.78 min Scan# 2807

Delta R.T. -0.08 min

Lab File: BG034050.D

Acq: 27 Apr 2018 22:03

Instrument :

BNA_G

ClientSampleId :

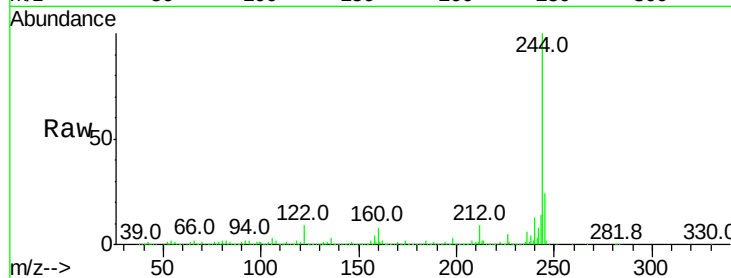
Tot Ion:244 Resp: 2511075

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

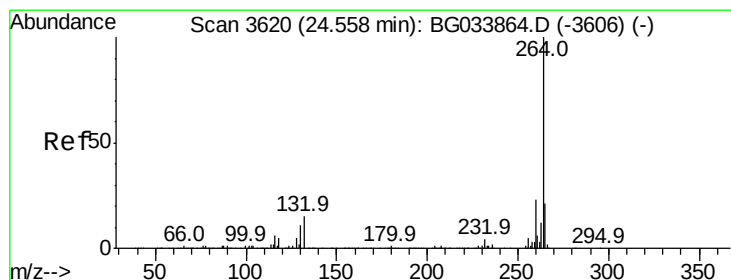
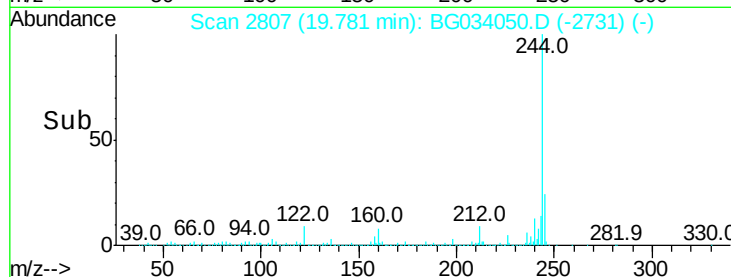
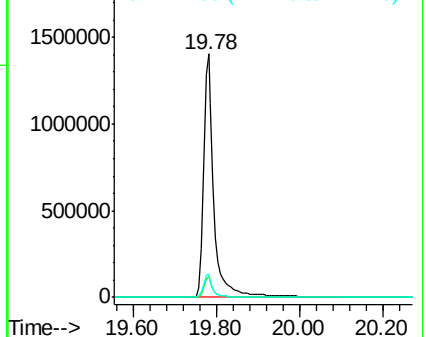
122 9.4 7.0 10.4



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: 20.000 ng

RT: 24.39 min Scan# 3591

Delta R.T. -0.17 min

Lab File: BG034050.D

Acq: 27 Apr 2018 22:03

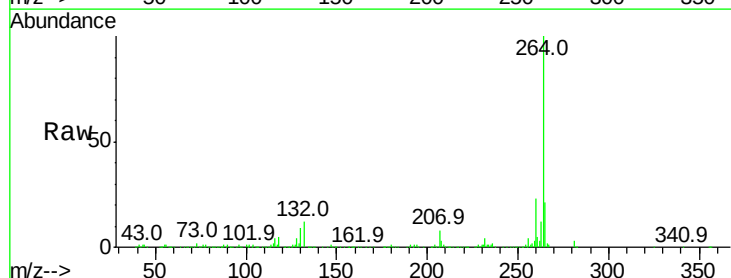
Tgt Ion:264 Resp: 534160

Ion Ratio Lower Upper

264 100

260 22.8 17.4 26.0

265 21.1 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

