

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
 Data File : BG034046.D
 Acq On : 27 Apr 2018 19:31
 Operator : SJ/JU
 Sample : J2161-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 28 00:32:47 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

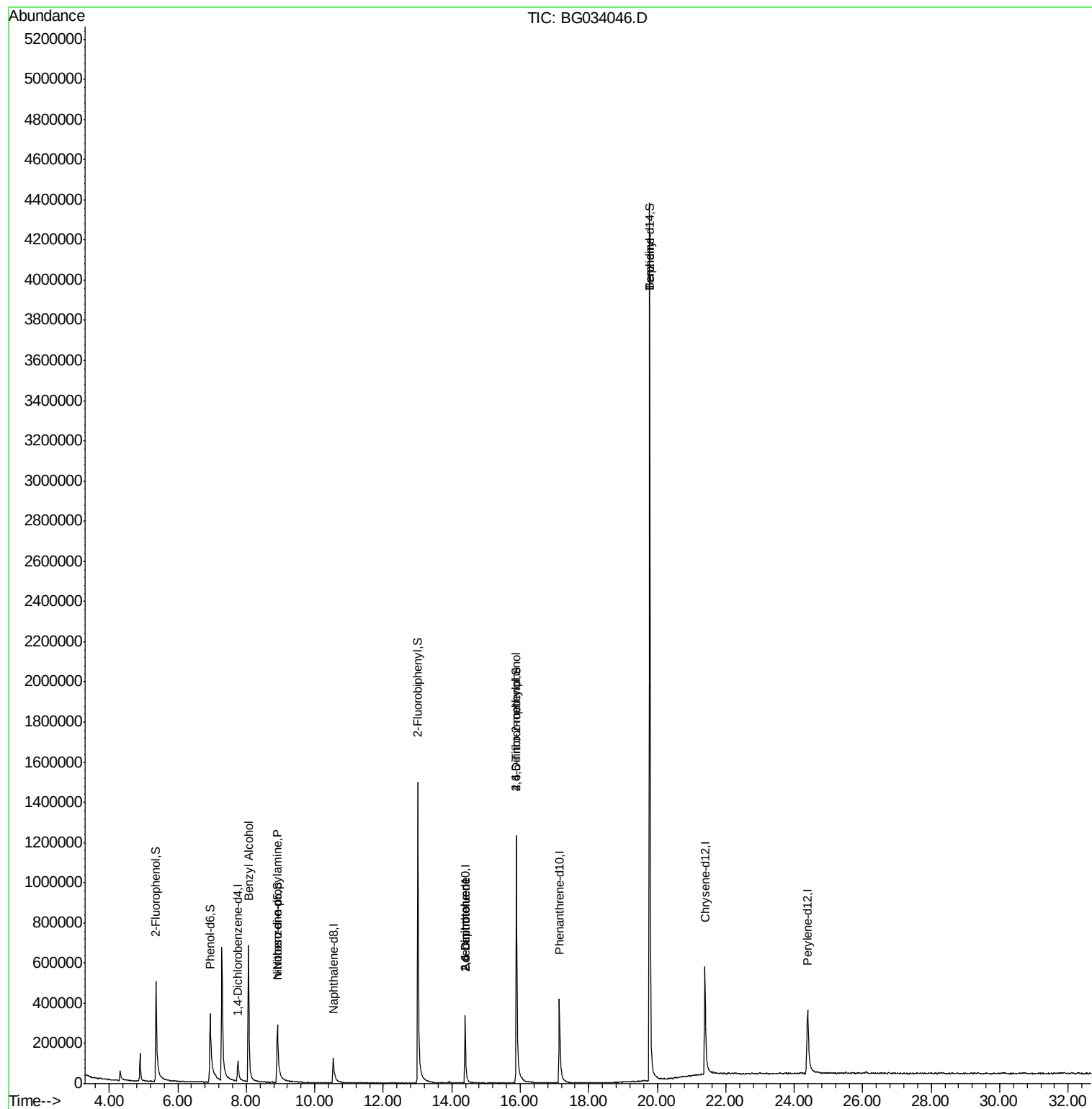
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	37176	20.00	ng	-0.08
21) Naphthalene-d8	10.54	136	211830	20.00	ng	-0.09
38) Acenaphthene-d10	14.39	164	165183	20.00	ng	-0.09
63) Phenanthrene-d10	17.14	188	461765	20.00	ng	-0.08
75) Chrysene-d12	21.39	240	537118	20.00	ng	-0.10
86) Perylene-d12	24.39	264	476778	20.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	390344	167.63	ng	-0.08
7) Phenol-d6	6.94	99	501865	147.77	ng	-0.06
23) Nitrobenzene-d5	8.91	82	364958	98.05	ng	-0.08
41) 2,4,6-Tribromophenol	15.89	330	364705	189.25	ng	-0.08
44) 2-Fluorobiphenyl	13.01	172	1144515	101.79	ng	-0.09
78) Terphenyl-d14	19.78	244	2543953	106.41	ng	-0.08
Target Compounds						
9) Benzaldehyde	6.94	77	364	Below Cal	Qvalue #	5
15) Benzyl Alcohol	8.06	79	6710	2.266 ng	#	46
19) n-Nitroso-di-n-propylamine	8.91	70	42756	14.769 ng	#	76
50) 2,6-Dinitrotoluene	14.39	165	21126	7.672 ng	#	20
56) 2,4-Dinitrotoluene	14.39	165	21903	5.982 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.88	198	1021	6.886 ng	#	64
76) Benizidine	19.78	184	36601	2.523 ng	#	90

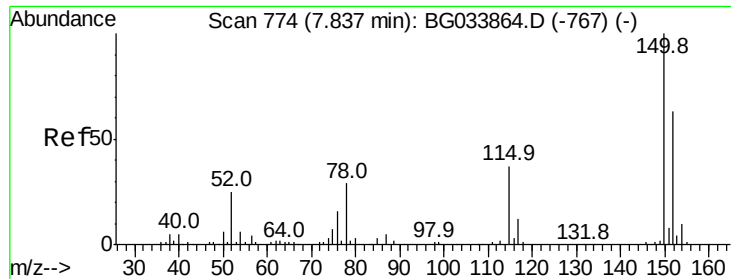
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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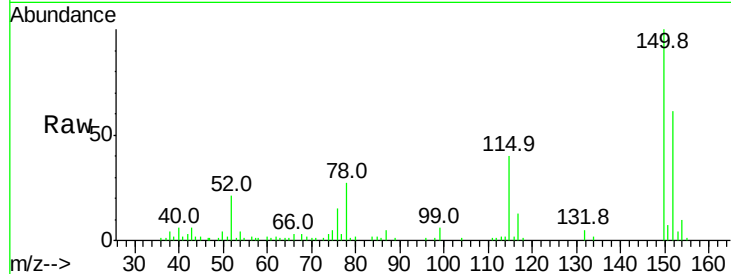


#1

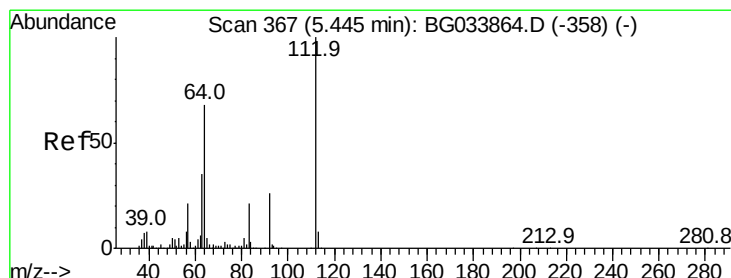
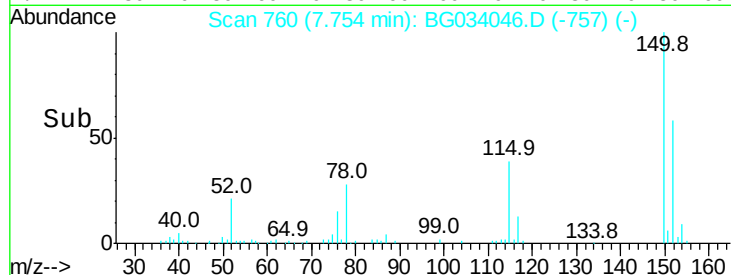
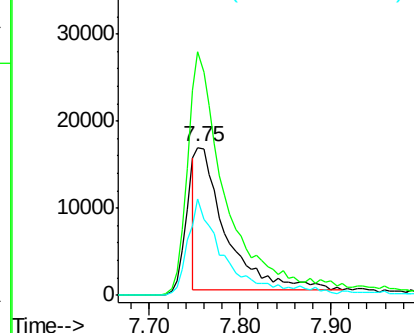
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.75 min Scan# 760
Delta R.T. -0.08 min
Lab File: BG034046.D
Acq: 27 Apr 2018 19:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 37176
Ion Ratio Lower Upper
152 100
150 164.9 126.6 189.8
115 65.5 53.0 79.4



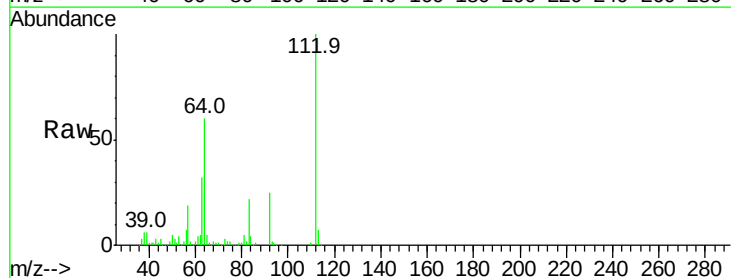
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



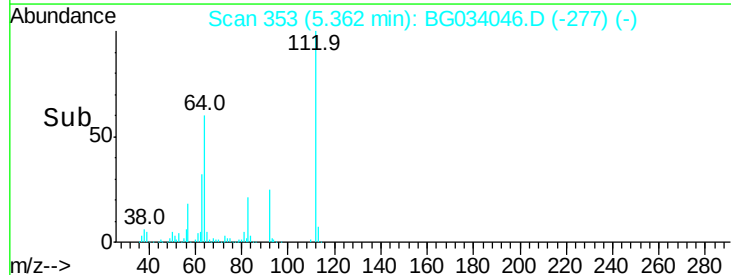
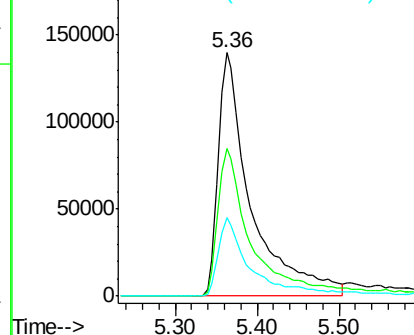
#5

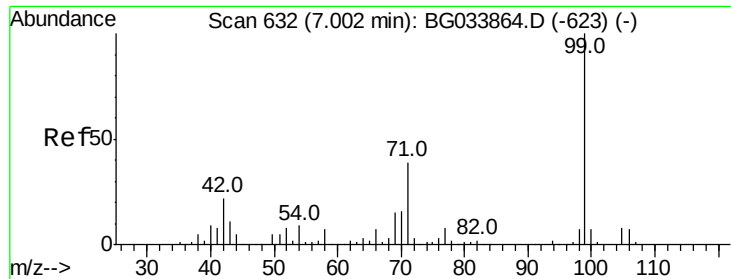
2-Fluorophenol
Concen: 167.634 ng
RT: 5.36 min Scan# 353
Delta R.T. -0.08 min
Lab File: BG034046.D
Acq: 27 Apr 2018 19:31

Tgt Ion:112 Resp: 390344
Ion Ratio Lower Upper
112 100
64 60.4 56.3 84.5
63 32.4 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: 147.767 ng

RT: 6.94 min Scan# 622

Delta R.T. -0.06 min

Lab File: BG034046.D

Acq: 27 Apr 2018 19:31

Instrument :

BNA_G

ClientSampleId :

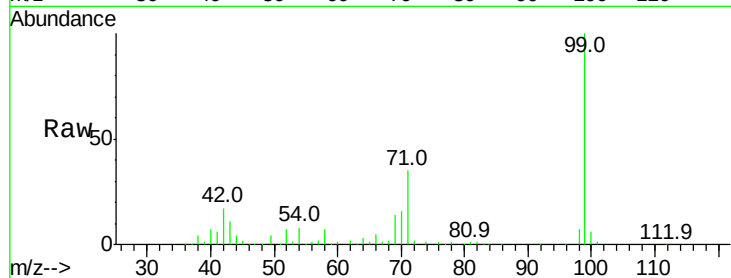
Tot Ion: 99 Resp: 501865

Ion Ratio Lower Upper

99 100

42 17.4 14.1 21.1

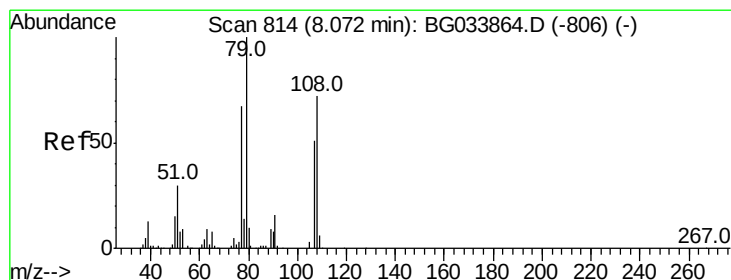
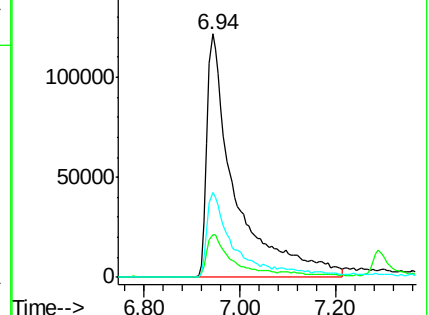
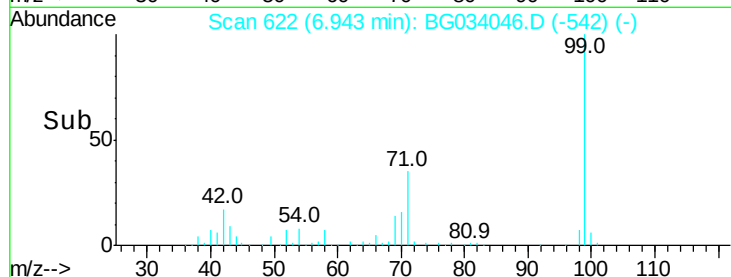
71 34.7 26.1 39.1



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: 2.266 ng

RT: 8.06 min Scan# 812

Delta R.T. -0.01 min

Lab File: BG034046.D

Acq: 27 Apr 2018 19:31

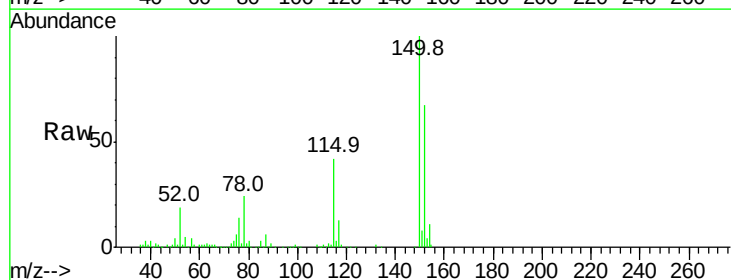
Tgt Ion: 79 Resp: 6710

Ion Ratio Lower Upper

79 100

108 35.6 57.2 85.8#

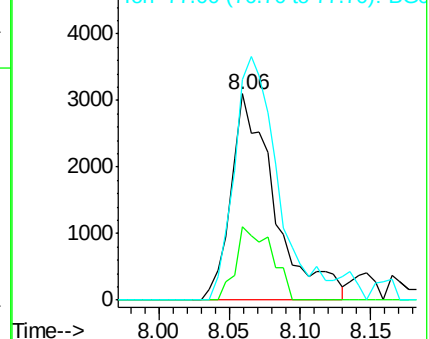
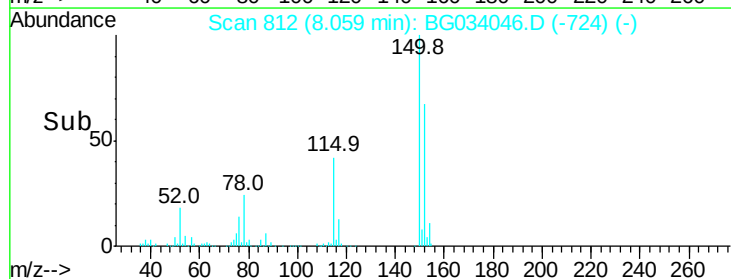
77 106.8 46.1 69.1#

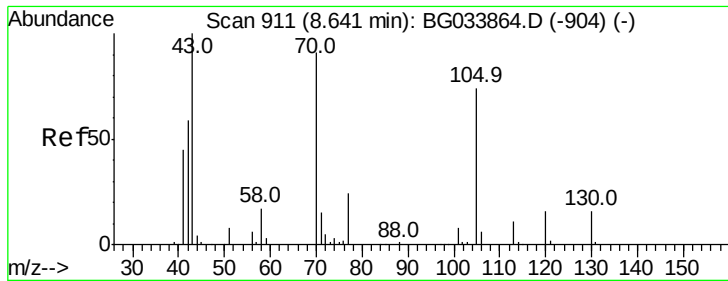


Abundance Ion 79.00 (78.70 to 79.70): BGC

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: 14.769 ng

RT: 8.91 min Scan# 957

Delta R.T. 0.27 min

Lab File: BG034046.D

Acq: 27 Apr 2018 19:31

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 42756

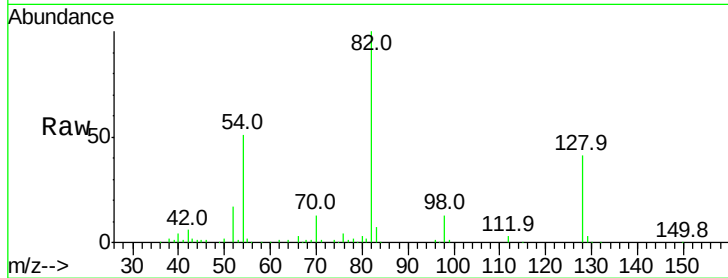
Ion Ratio Lower Upper

70 100

42 45.6 49.1 73.7#

101 0.0 8.5 12.7#

130 2.7 13.4 20.0#

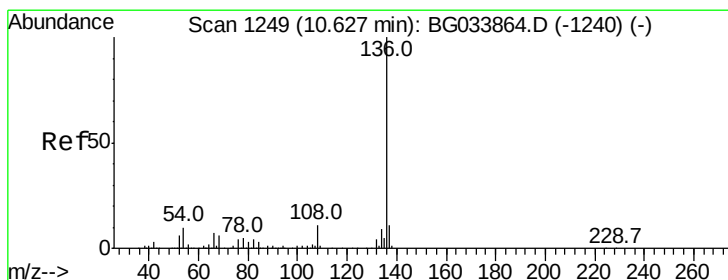
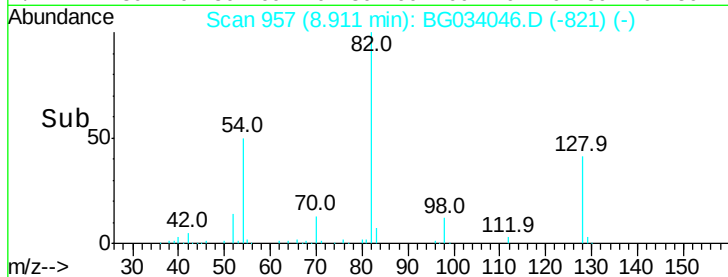
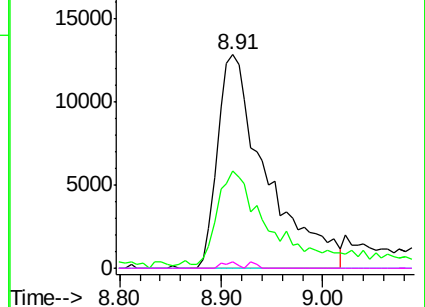


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.54 min Scan# 1234

Delta R.T. -0.09 min

Lab File: BG034046.D

Acq: 27 Apr 2018 19:31

Tgt Ion: 136 Resp: 211830

Ion Ratio Lower Upper

136 100

137 10.7 9.2 13.8

54 8.0 10.3 15.5#

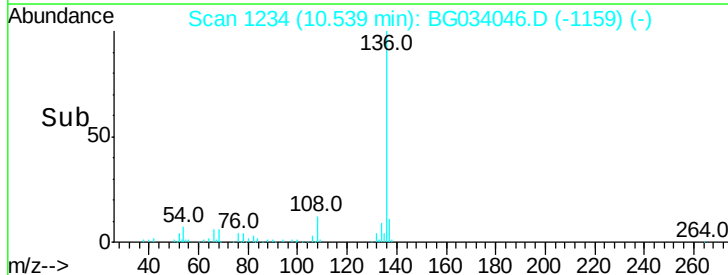
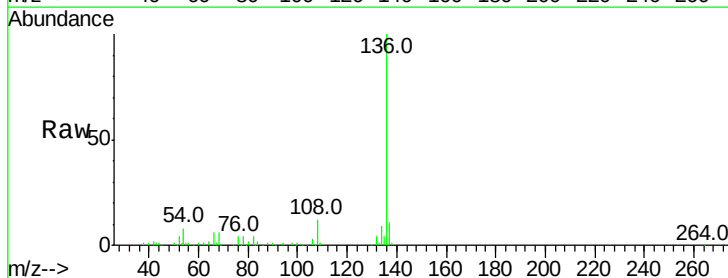
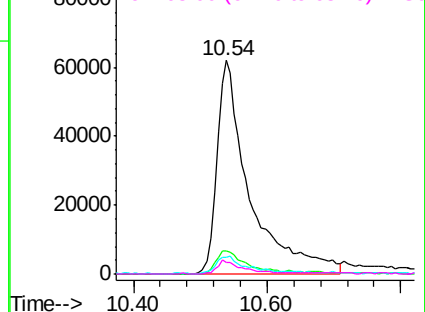
68 5.5 4.5 6.7

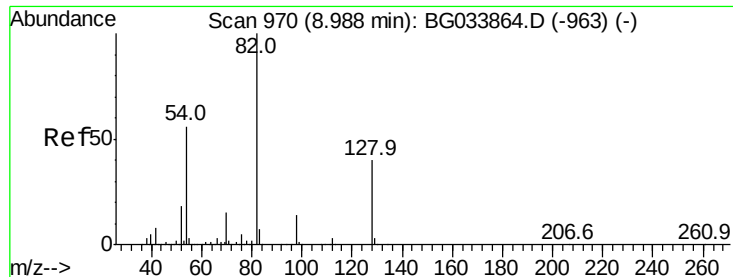
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

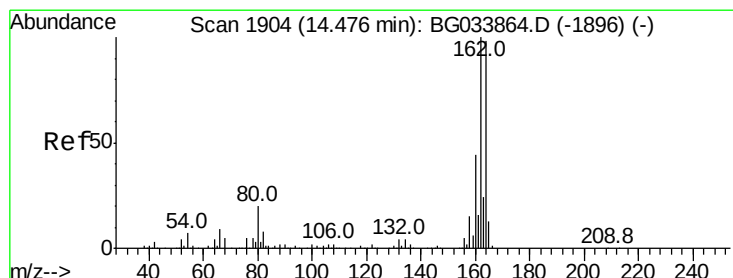
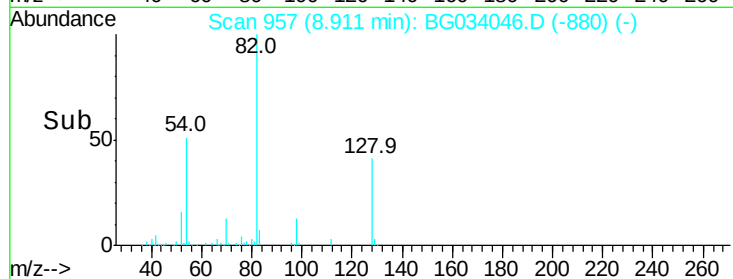
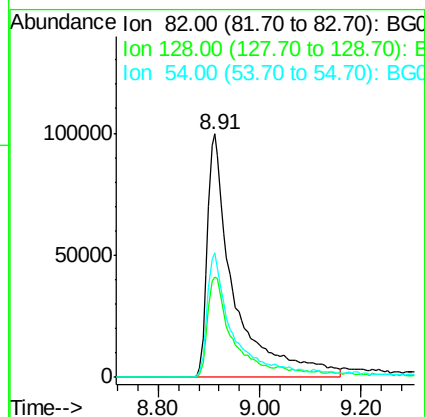
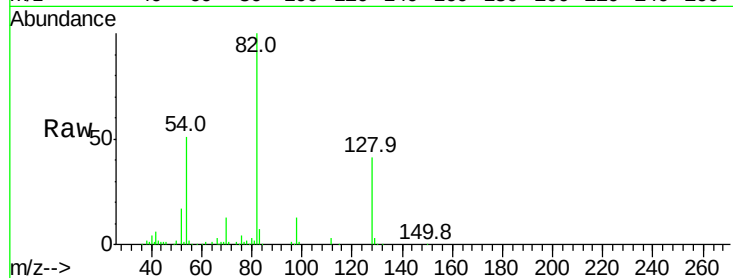




#23
 Nitrobenzene-d5
 Concen: 98.049 ng
 RT: 8.91 min Scan# 957
 Delta R.T. -0.08 min
 Lab File: BG034046.D
 Acq: 27 Apr 2018 19:31

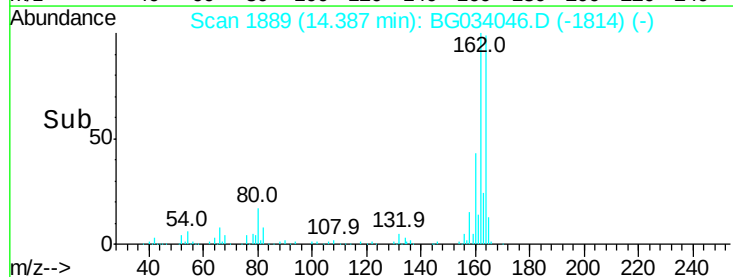
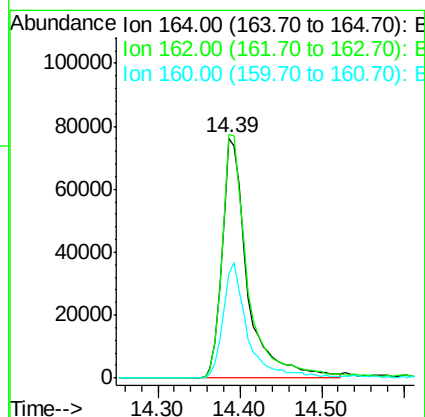
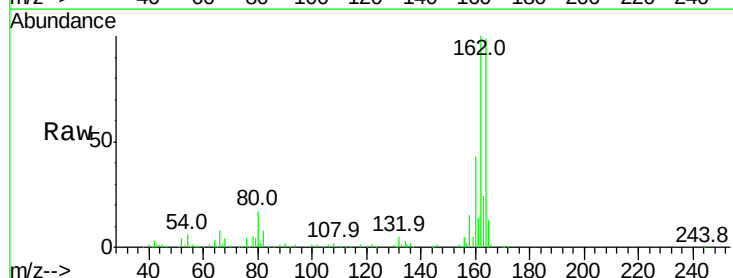
Instrument :
 BNA_G
 ClientSampleId :

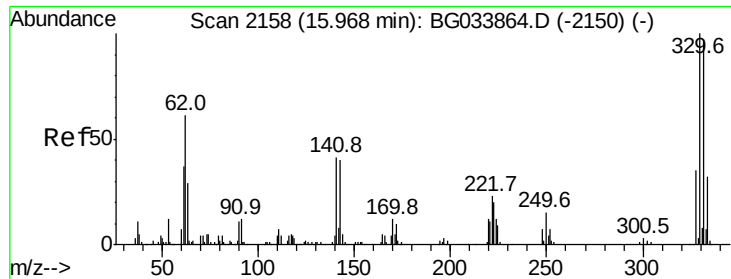
Tot Ion	82	Resp	364958
Ion	Ratio	Lower	Upper
82	100		
128	41.3	29.7	44.5
54	51.3	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.39 min Scan# 1889
 Delta R.T. -0.09 min
 Lab File: BG034046.D
 Acq: 27 Apr 2018 19:31

Tgt Ion	164	Resp	165183
Ion	Ratio	Lower	Upper
164	100		
162	101.4	78.8	118.2
160	43.5	35.4	53.0

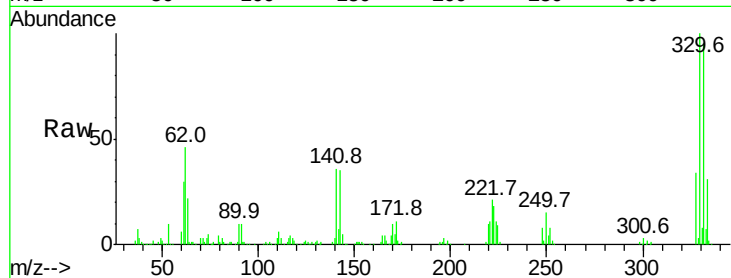




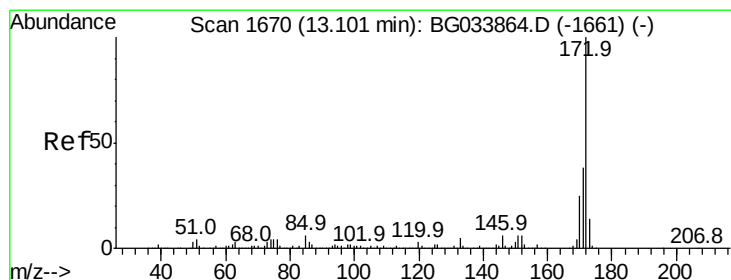
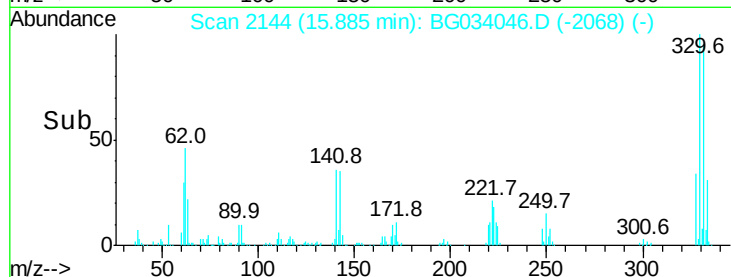
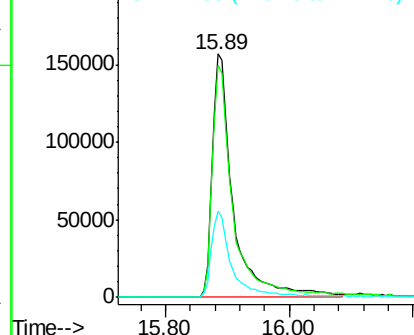
#41
 2,4,6-Tribromophenol
 Concen: 189.248 ng
 RT: 15.89 min Scan# 2144
 Delta R.T. -0.08 min
 Lab File: BG034046.D
 Acq: 27 Apr 2018 19:31

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.3	77.0	115.6
141	33.9	25.2	37.8

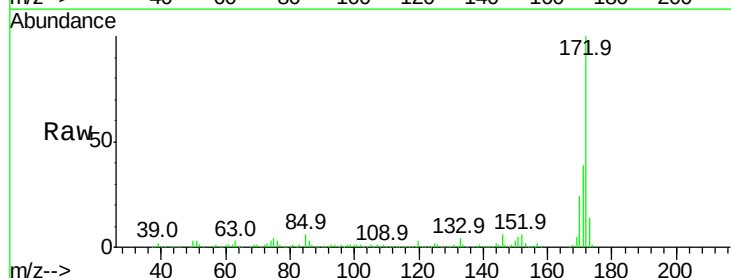


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

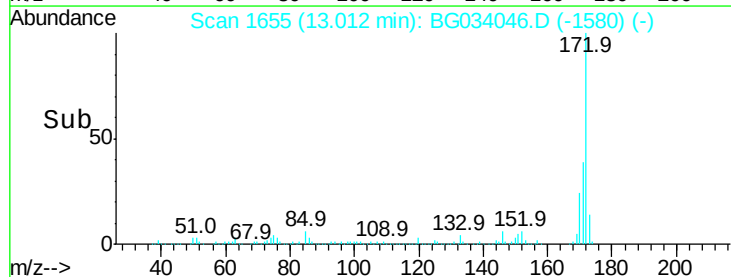
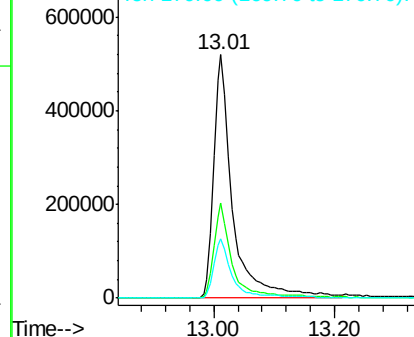


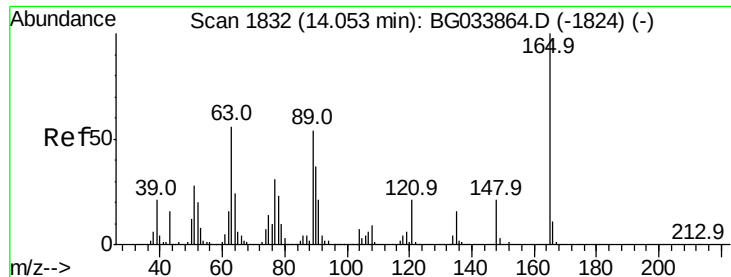
#44
 2-Fluorobiphenyl
 Concen: 101.785 ng
 RT: 13.01 min Scan# 1655
 Delta R.T. -0.09 min
 Lab File: BG034046.D
 Acq: 27 Apr 2018 19:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.1	30.0	45.0
170	24.4	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

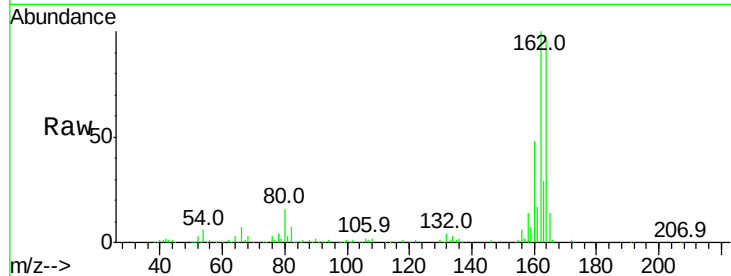




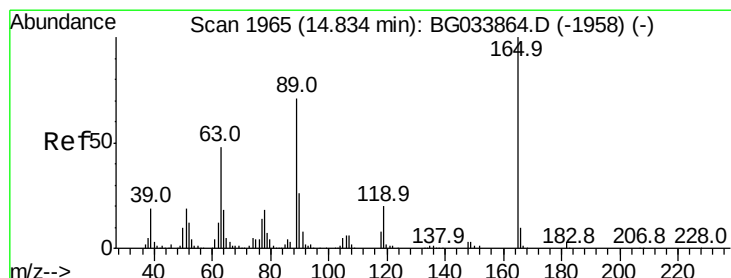
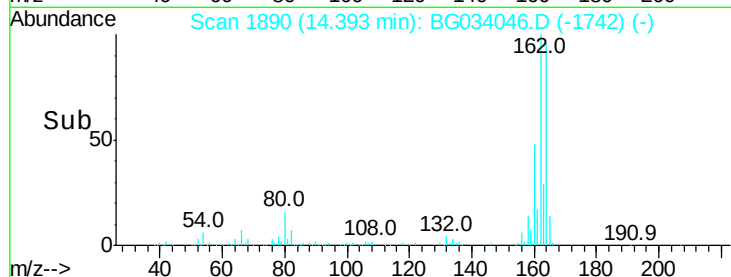
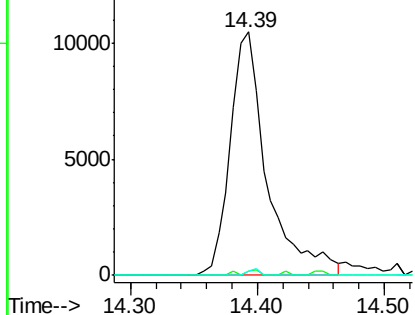
#50
2,6-Dinitrotoluene
Concen: 7.672 ng
RT: 14.39 min Scan# 1890
Delta R.T. 0.34 min
Lab File: BG034046.D
Acq: 27 Apr 2018 19:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 21126
Ion Ratio Lower Upper
165 100
63 1.6 52.7 79.1#
89 1.5 49.2 73.8#

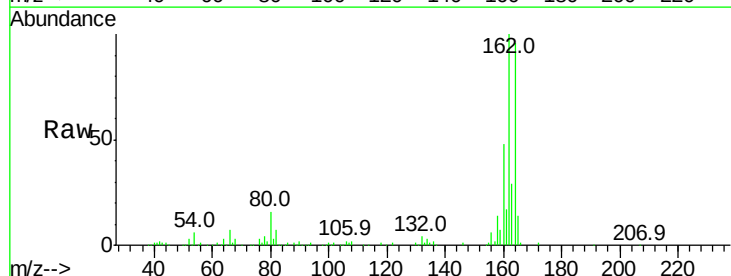


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

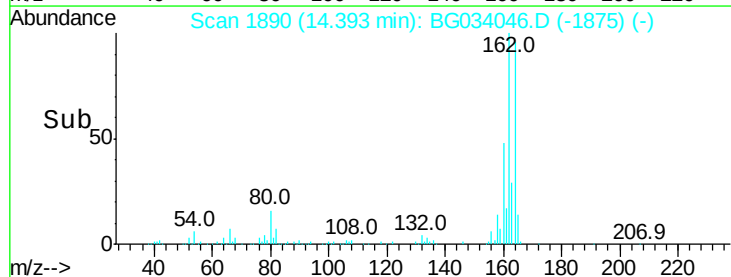
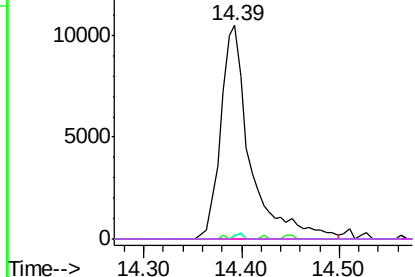


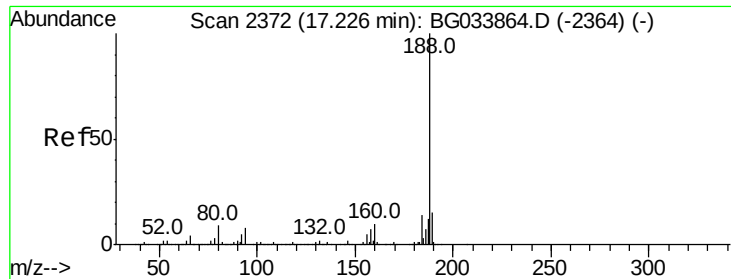
#56
2,4-Dinitrotoluene
Concen: 5.982 ng
RT: 14.39 min Scan# 1890
Delta R.T. -0.44 min
Lab File: BG034046.D
Acq: 27 Apr 2018 19:31

Tgt Ion:165 Resp: 21903
Ion Ratio Lower Upper
165 100
63 1.6 42.0 63.0#
89 1.5 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: 20.000 ng

RT: 17.14 min Scan# 2358

Delta R.T. -0.08 min

Lab File: BG034046.D

Acq: 27 Apr 2018 19:31

Instrument :

BNA_G

ClientSampleId :

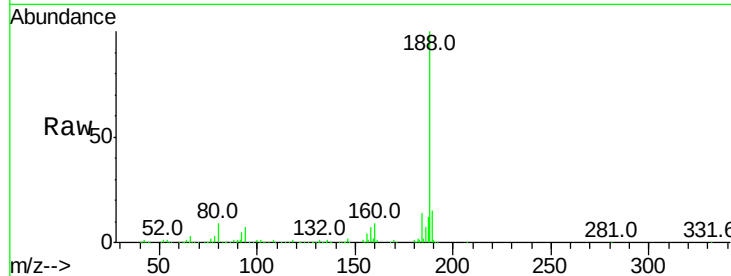
Tot Ion:188 Resp: 461765

Ion Ratio Lower Upper

188 100

94 6.7 6.9 10.3#

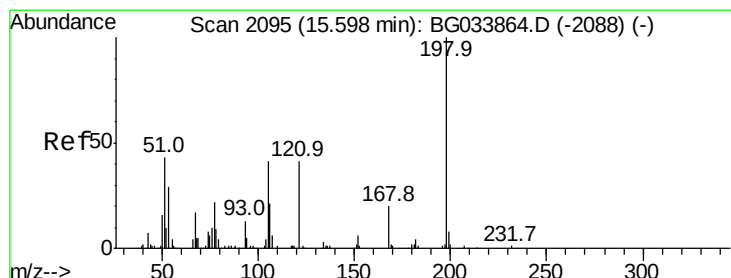
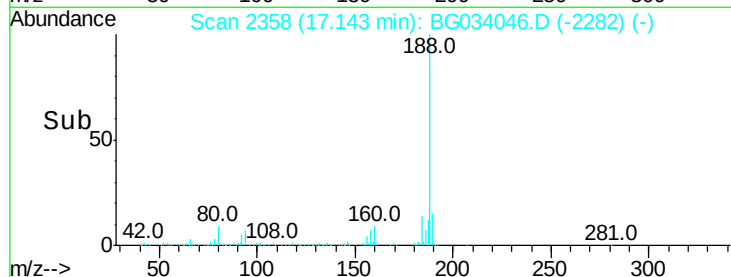
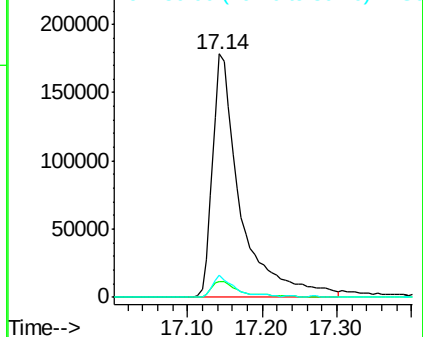
80 8.9 7.7 11.5



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: 6.886 ng

RT: 15.88 min Scan# 2143

Delta R.T. 0.28 min

Lab File: BG034046.D

Acq: 27 Apr 2018 19:31

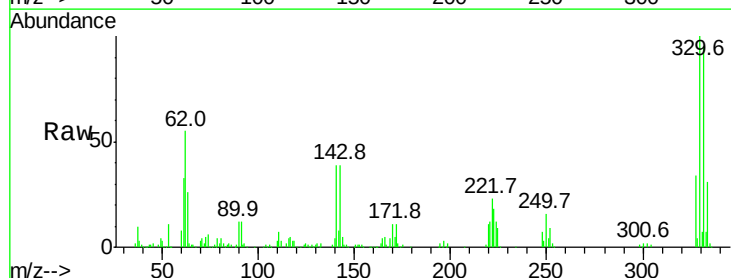
Tgt Ion:198 Resp: 1021

Ion Ratio Lower Upper

198 100

51 18.5 30.6 70.6#

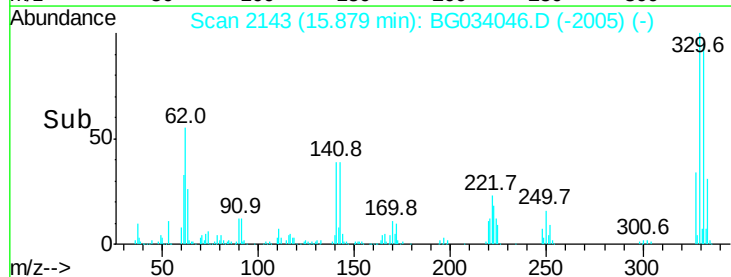
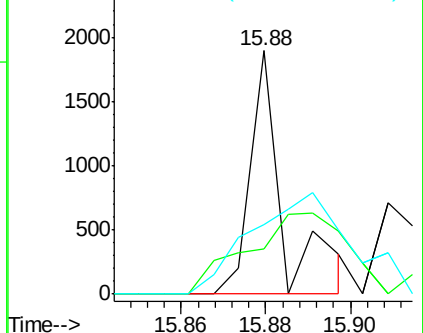
105 28.5 23.8 63.8

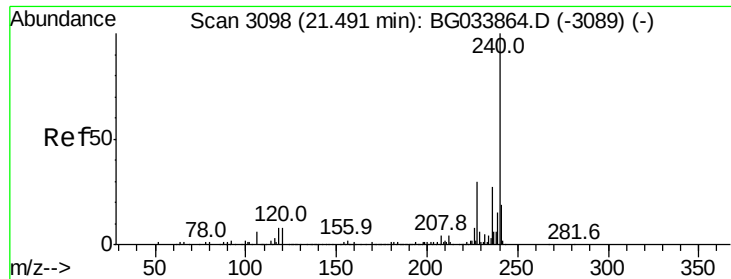


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.39 min Scan# 3081

Delta R.T. -0.10 min

Lab File: BG034046.D

Acq: 27 Apr 2018 19:31

Instrument :

BNA_G

ClientSampled :

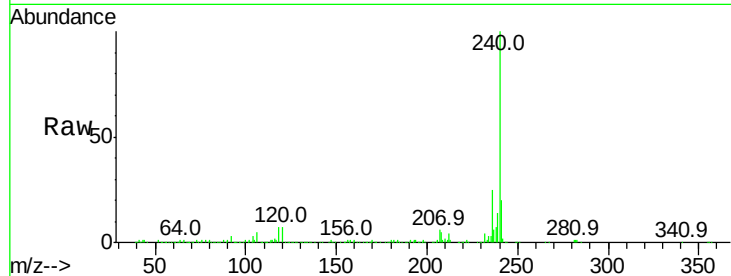
Tot Ion:240 Resp: 537118

Ion Ratio Lower Upper

240 100

120 7.3 6.8 10.2

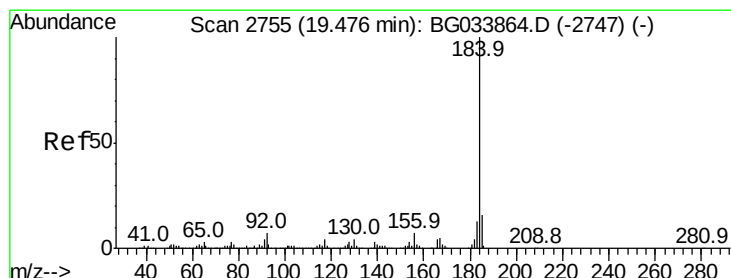
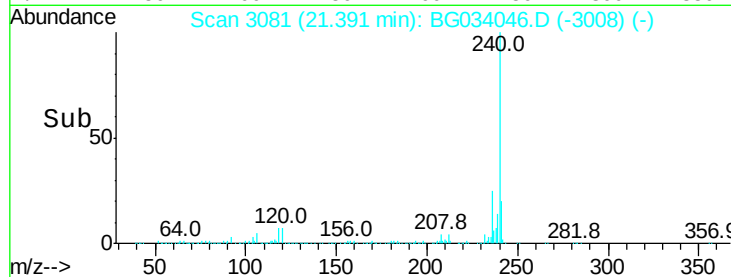
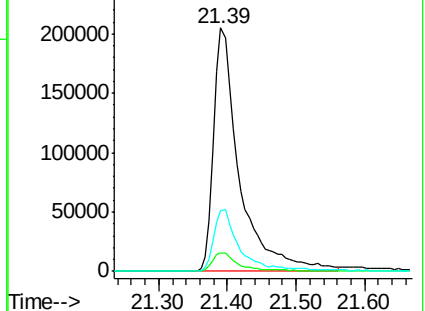
236 24.9 20.9 31.3



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: 2.523 ng

RT: 19.78 min Scan# 2807

Delta R.T. 0.30 min

Lab File: BG034046.D

Acq: 27 Apr 2018 19:31

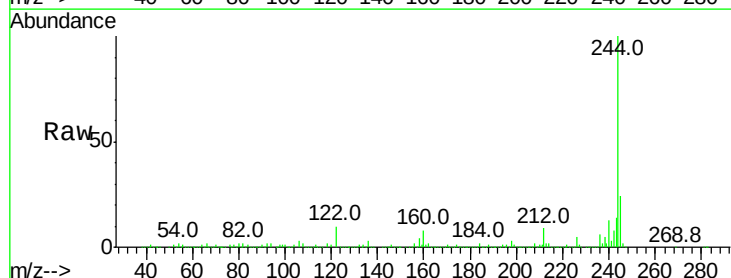
Tgt Ion:184 Resp: 36601

Ion Ratio Lower Upper

184 100

185 16.5 11.1 16.7

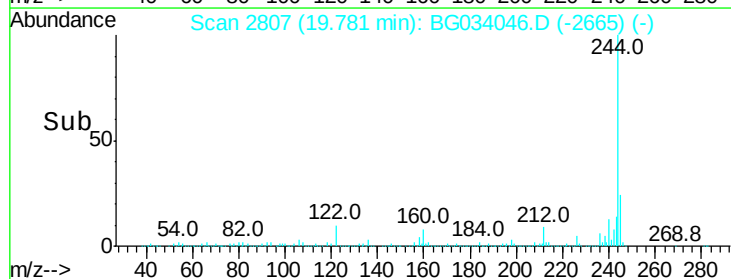
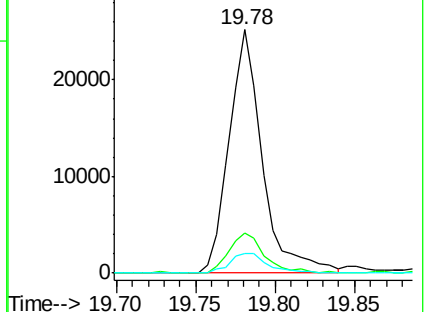
183 8.0 10.6 16.0#

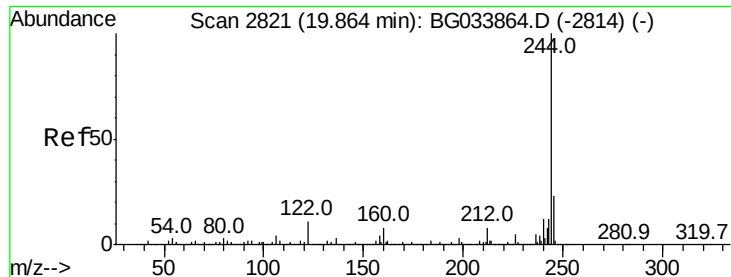


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 106.406 ng

RT: 19.78 min Scan# 2807

Delta R.T. -0.08 min

Lab File: BG034046.D

Acq: 27 Apr 2018 19:31

Instrument :

BNA_G

ClientSampleId :

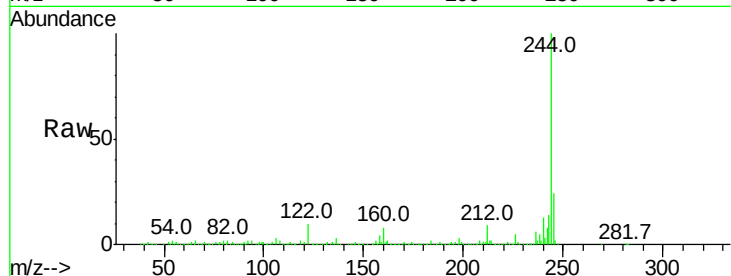
Tot Ion:244 Resp: 2543953

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

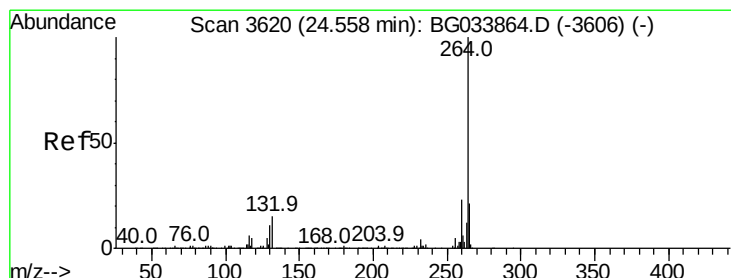
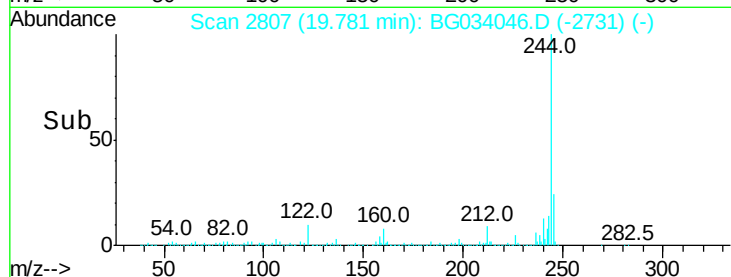
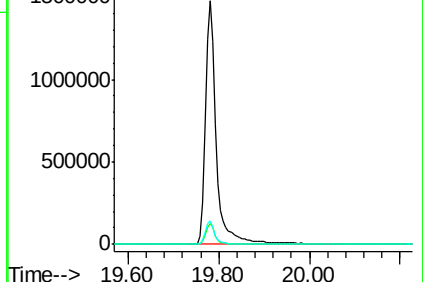
122 9.5 7.0 10.4



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# 3592

Delta R.T. -0.17 min

Lab File: BG034046.D

Acq: 27 Apr 2018 19:31

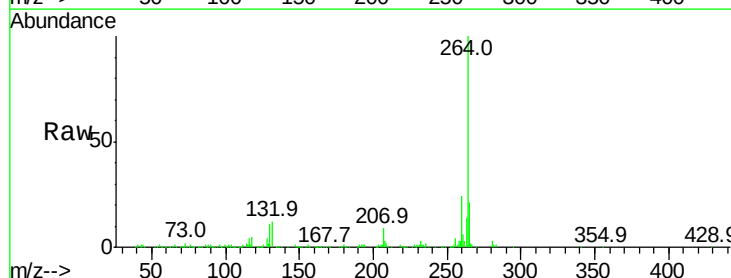
Tgt Ion:264 Resp: 476778

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.0

265 20.8 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

