

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
 Data File : BG034061.D
 Acq On : 28 Apr 2018 6:26
 Operator : SJ/JU
 Sample : J2571-14
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 30 02:26:31 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

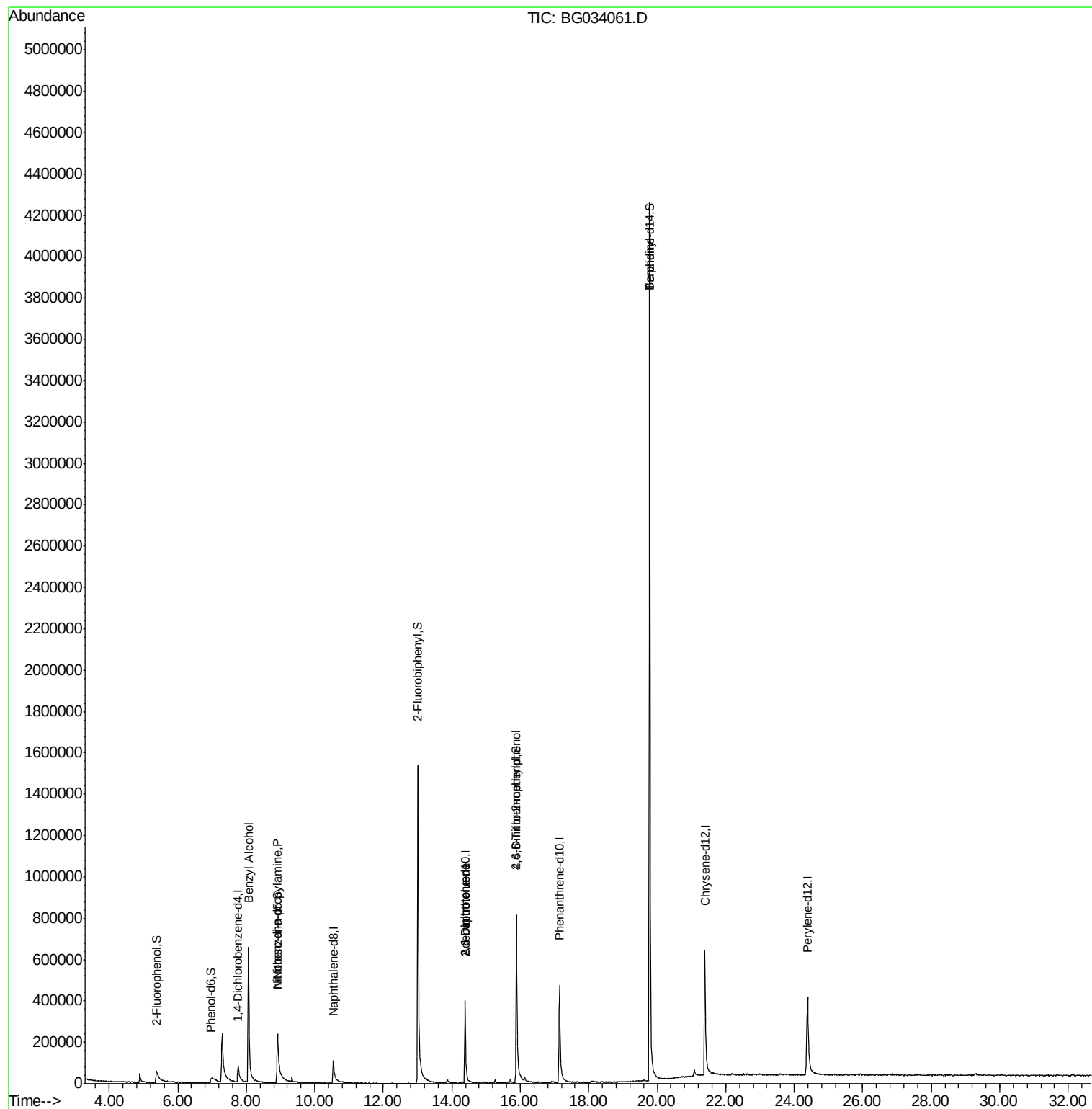
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	34590	20.00	ng	-0.07
21) Naphthalene-d8	10.54	136	229824	20.00	ng	-0.08
38) Acenaphthene-d10	14.39	164	192037	20.00	ng	-0.09
63) Phenanthrene-d10	17.15	188	518727	20.00	ng	-0.08
75) Chrysene-d12	21.39	240	581734	20.00	ng	-0.10
86) Perylene-d12	24.39	264	575618	20.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	84269	38.90	ng	-0.07
7) Phenol-d6	6.98	99	22866	7.24	ng	-0.02
23) Nitrobenzene-d5	8.91	82	337461	83.56	ng	-0.08
41) 2,4,6-Tribromophenol	15.89	330	258524	115.39	ng	-0.08
44) 2-Fluorobiphenyl	13.01	172	1297047	99.22	ng	-0.09
78) Terphenyl-d14	19.78	244	2504436	96.72	ng	-0.08
Target Compounds						
15) Benzyl Alcohol	8.06	79	6002	2.18	ng	# 50
19) n-Nitroso-di-n-propylamine	8.91	70	42861	15.91	ng	# 73
50) 2,6-Dinitrotoluene	14.39	165	23386	7.31	ng	# 21
56) 2,4-Dinitrotoluene	14.39	165	23757	5.58	ng	# 18
64) 4,6-Dinitro-2-methylphenol	15.89	198	1546	7.02	ng	# 77
76) Benzidine	19.78	184	35027	2.23	ng	# 92

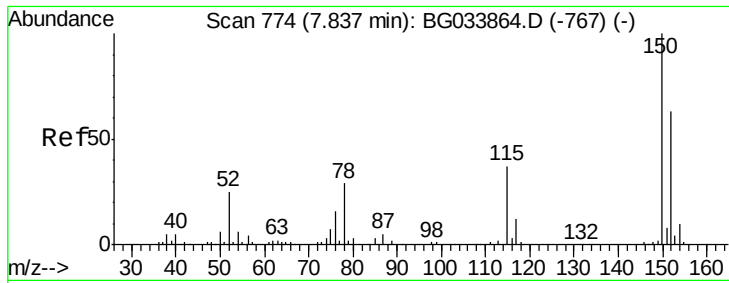
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 23 Sample Multiplier: 1

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BNA_G
ClientSampleId :

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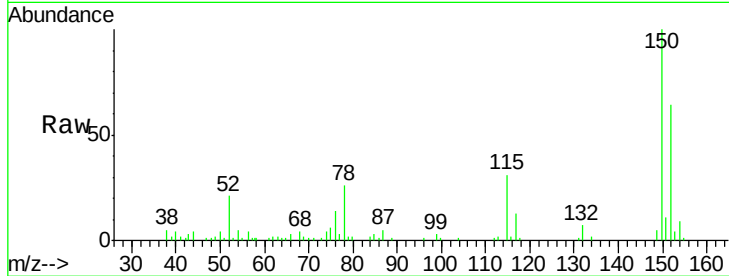


#1

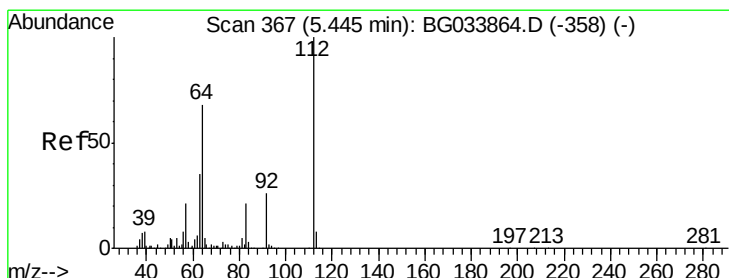
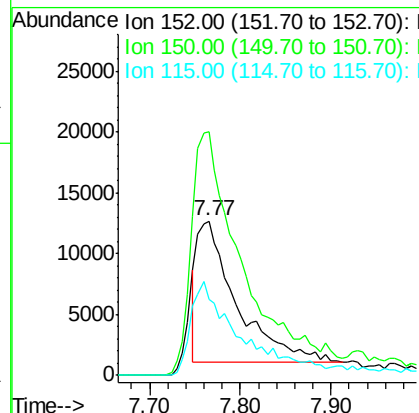
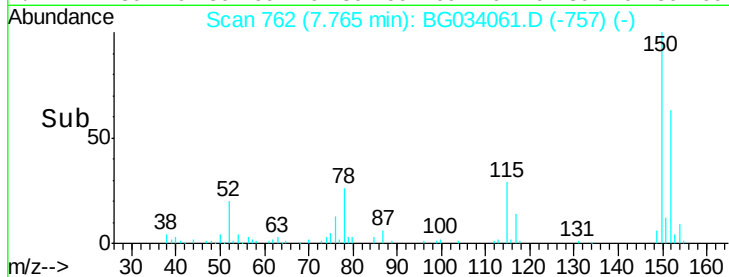
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.77 min Scan# 762
 Delta R.T. -0.07 min
 Lab File: BG034061.D
 Acq: 28 Apr 2018 6:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 34590
 Ion Ratio Lower Upper
 152 100
 150 157.5 126.6 189.8
 115 49.1 53.0 79.4#



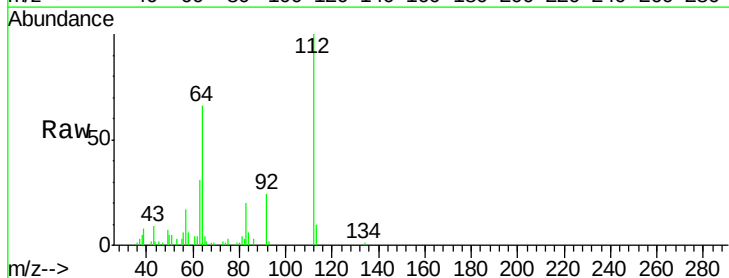
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



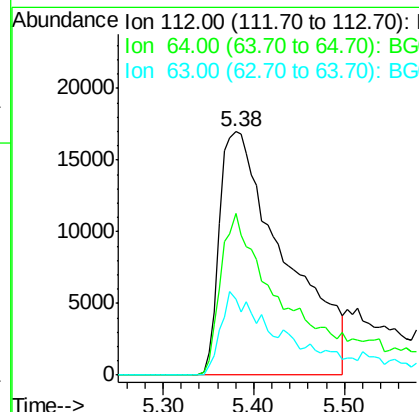
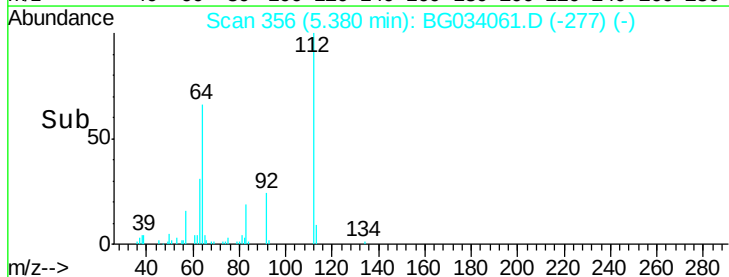
#5

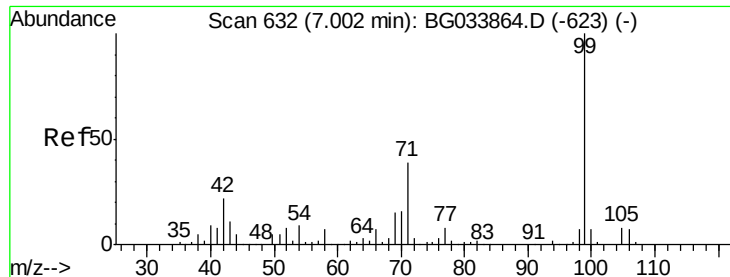
2-Fluorophenol
 Concen: 38.90 ng
 RT: 5.38 min Scan# 356
 Delta R.T. -0.07 min
 Lab File: BG034061.D
 Acq: 28 Apr 2018 6:26

Tgt Ion:112 Resp: 84269
 Ion Ratio Lower Upper
 112 100
 64 66.2 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: 7.24 ng

RT: 6.98 min Scan# 628

Delta R.T. -0.02 min

Lab File: BG034061.D

Acq: 28 Apr 2018 6:26

Instrument :

BNA_G

ClientSampleId :

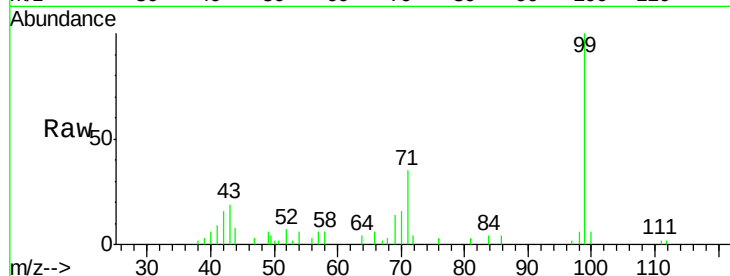
Tot Ion: 99 Resp: 22866

Ion Ratio Lower Upper

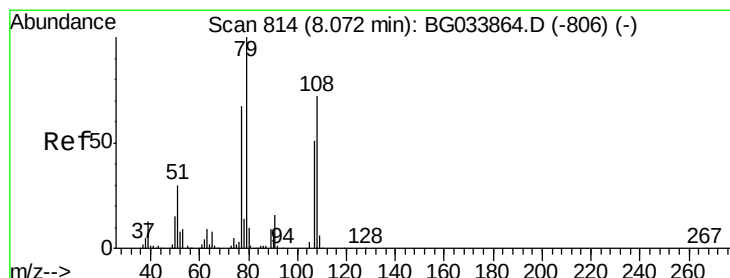
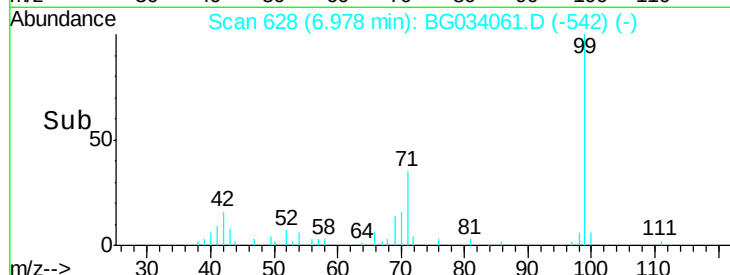
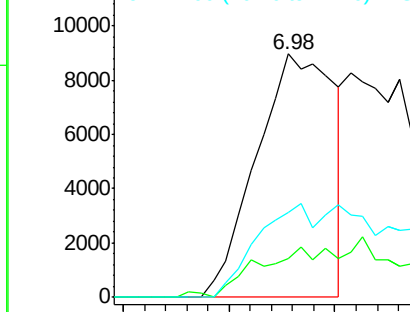
99 100

42 15.9 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: 2.18 ng

RT: 8.06 min Scan# 813

Delta R.T. -0.01 min

Lab File: BG034061.D

Acq: 28 Apr 2018 6:26

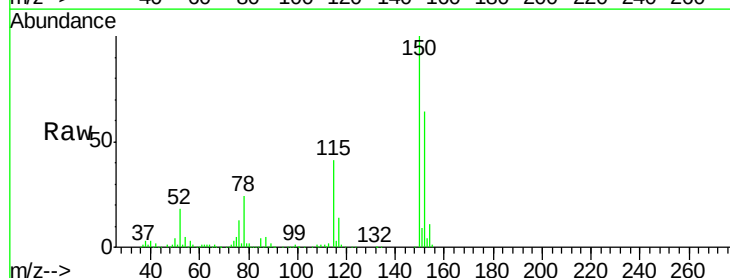
Tgt Ion: 79 Resp: 6002

Ion Ratio Lower Upper

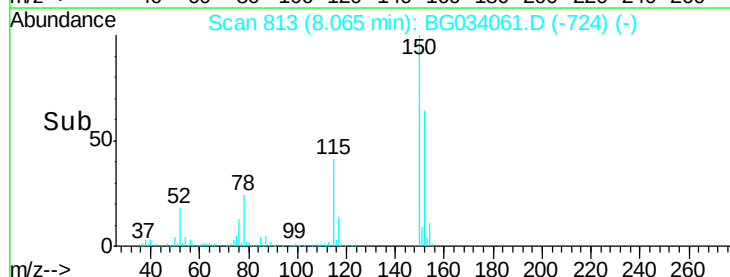
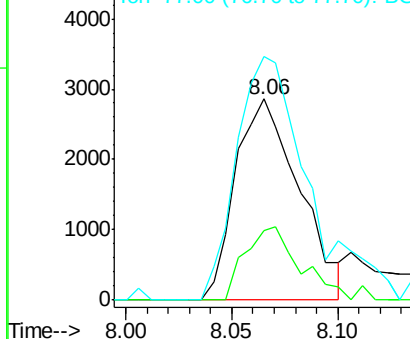
79 100

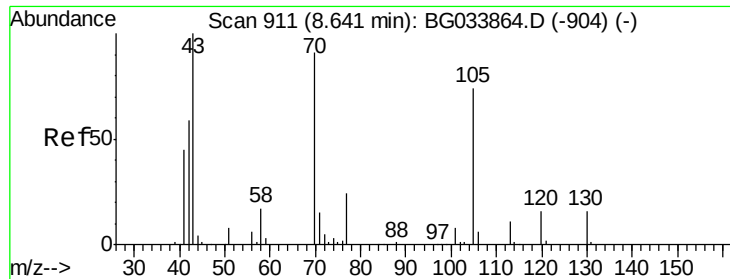
108 54.5 57.2 85.8#

77 121.0 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

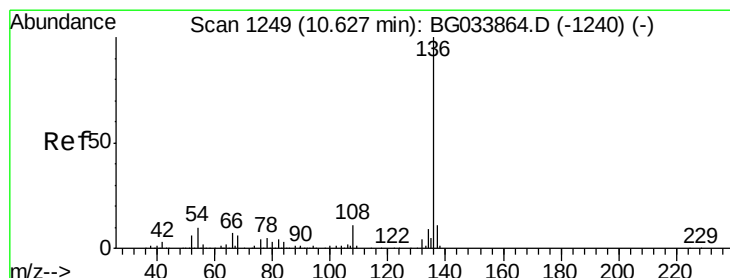
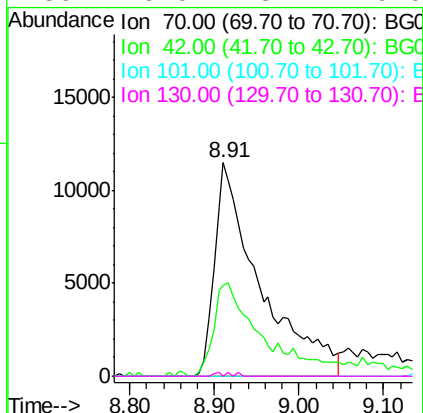
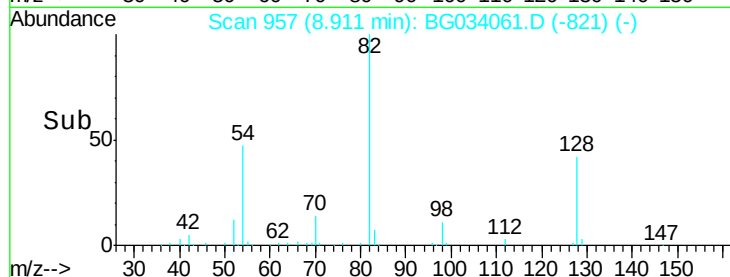
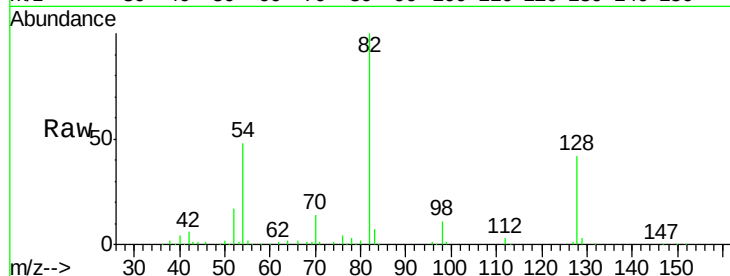




#19
n-Nitroso-di-n-propylamine
Concen: 15.91 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.27 min
Lab File: BG034061.D
Acq: 28 Apr 2018 6:26

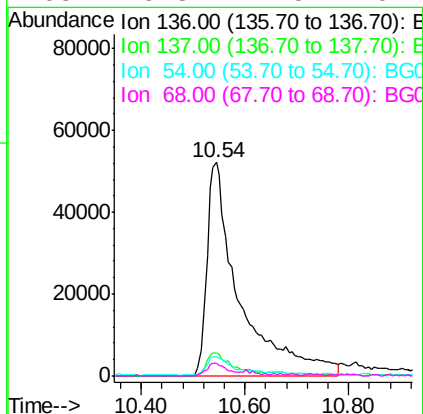
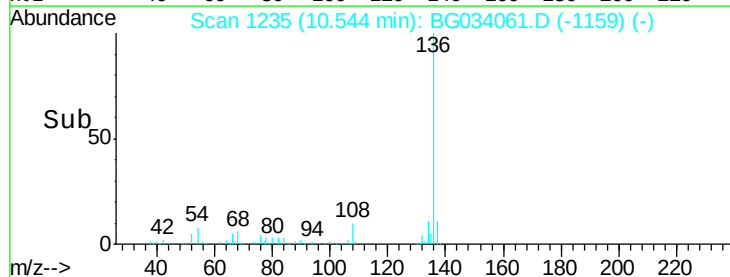
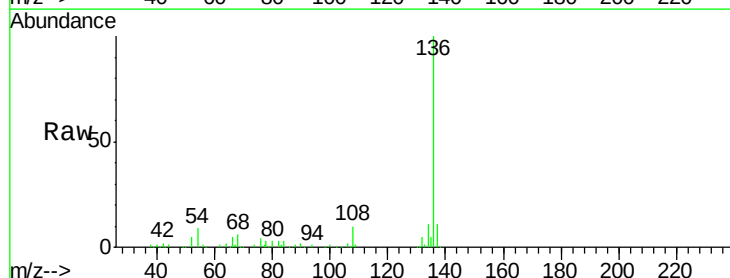
Instrument :
BNA_G
ClientSampleId :

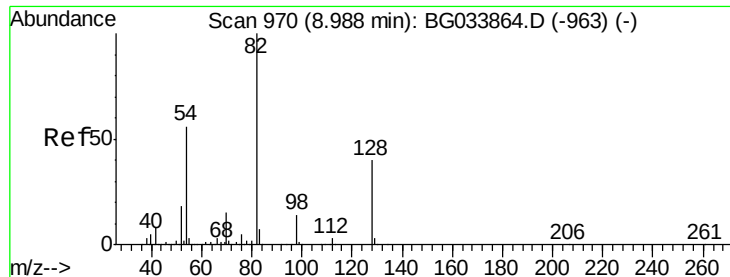
Tot Ion: 70 Resp: 42861
Ion Ratio Lower Upper
70 100
42 42.8 49.1 73.7#
101 0.0 8.5 12.7#
130 0.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.54 min Scan# 1235
Delta R.T. -0.08 min
Lab File: BG034061.D
Acq: 28 Apr 2018 6:26

Tgt Ion: 136 Resp: 229824
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 9.0 10.3 15.5#
68 5.8 4.5 6.7

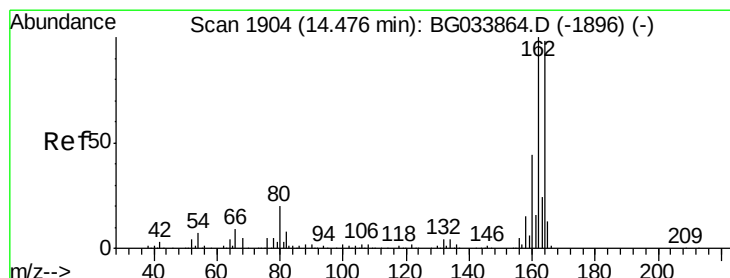
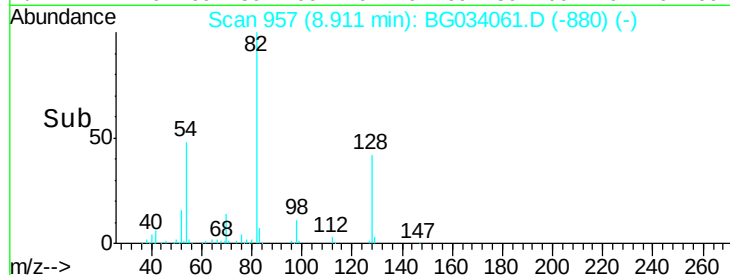
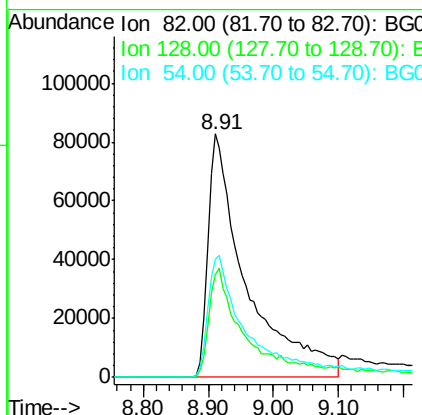
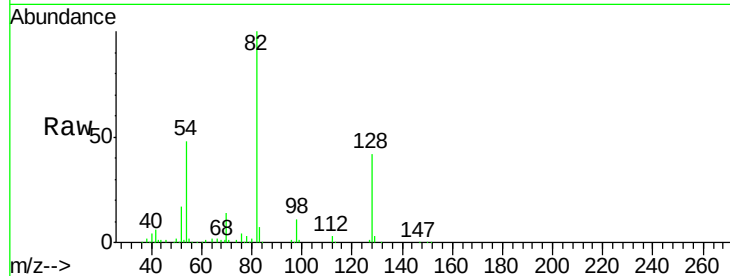




#23
 Nitrobenzene-d5
 Concen: 83.56 ng
 RT: 8.91 min Scan# 957
 Delta R.T. -0.08 min
 Lab File: BG034061.D
 Acq: 28 Apr 2018 6:26

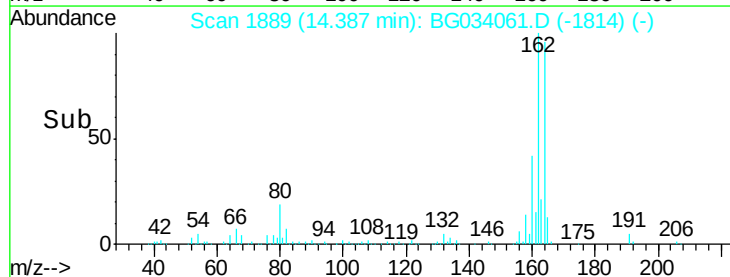
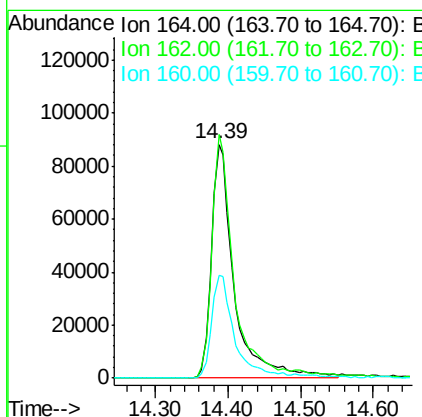
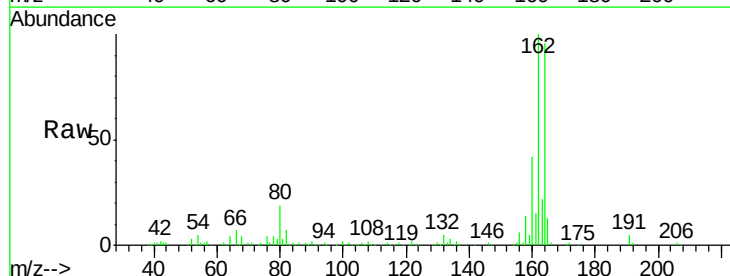
Instrument :
 BNA_G
 ClientSampled :

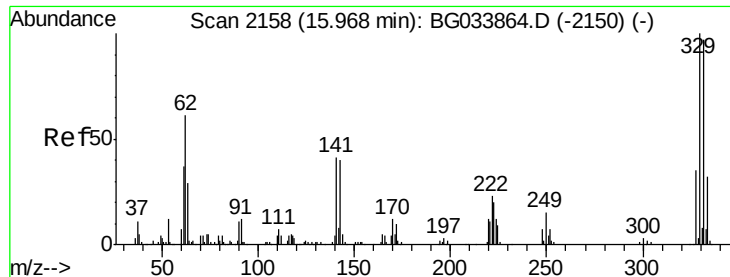
Tot Ion	82	Resp	337461
Ion Ratio	Lower	Upper	
82	100		
128	42.2	29.7	44.5
54	48.4	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.39 min Scan# 1889
 Delta R.T. -0.09 min
 Lab File: BG034061.D
 Acq: 28 Apr 2018 6:26

Tgt Ion	164	Resp	192037
Ion Ratio	Lower	Upper	
164	100		
162	104.3	78.8	118.2
160	44.1	35.4	53.0





#41

2,4,6-Tribromophenol

Concen: 115.39 ng

RT: 15.89 min Scan# 2144

Delta R.T. -0.08 min

Lab File: BG034061.D

Acq: 28 Apr 2018 6:26

Instrument :

BNA_G

ClientSampled :

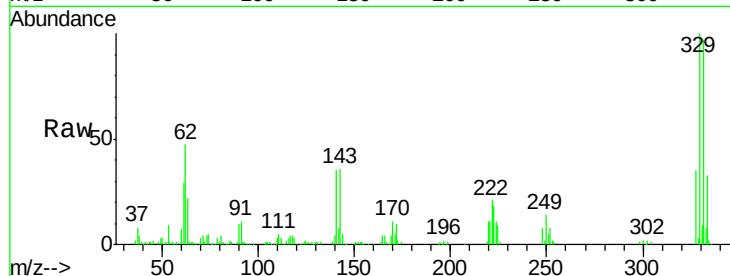
Tot Ion:330 Resp: 258524

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

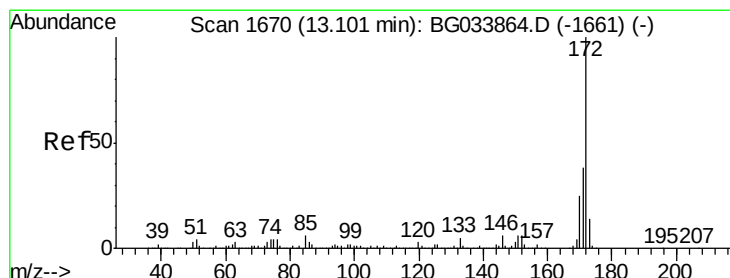
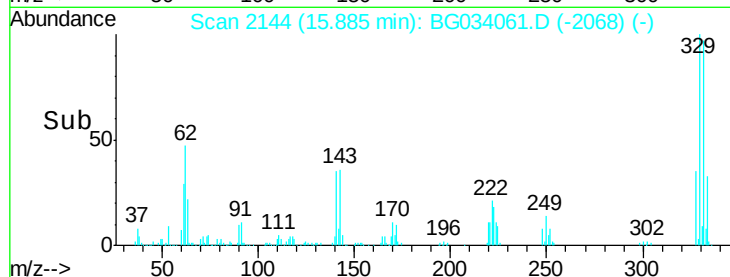
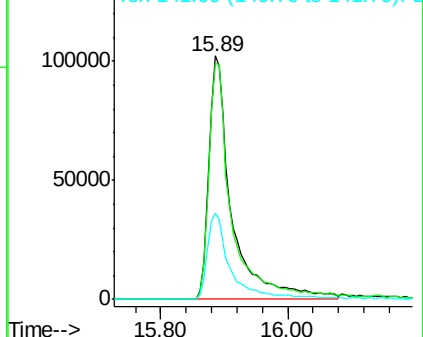
141 35.9 25.2 37.8



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: 99.22 ng

RT: 13.01 min Scan# 1655

Delta R.T. -0.09 min

Lab File: BG034061.D

Acq: 28 Apr 2018 6:26

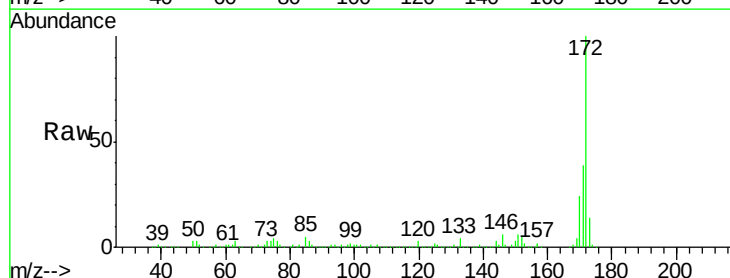
Tgt Ion:172 Resp: 1297047

Ion Ratio Lower Upper

172 100

171 38.6 30.0 45.0

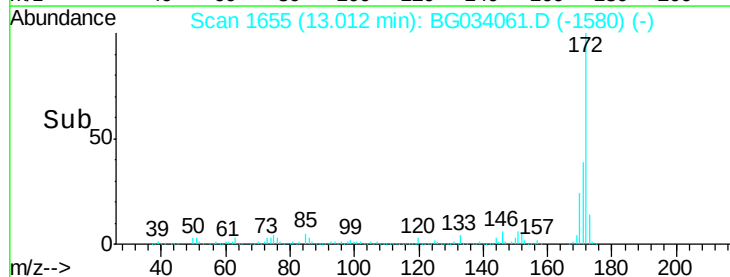
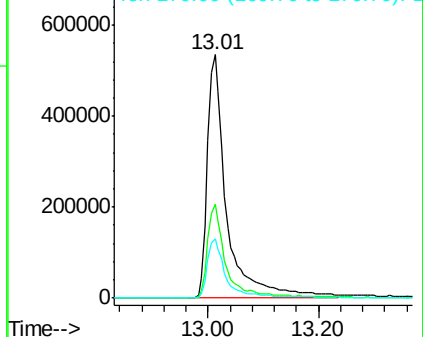
170 24.4 19.5 29.3

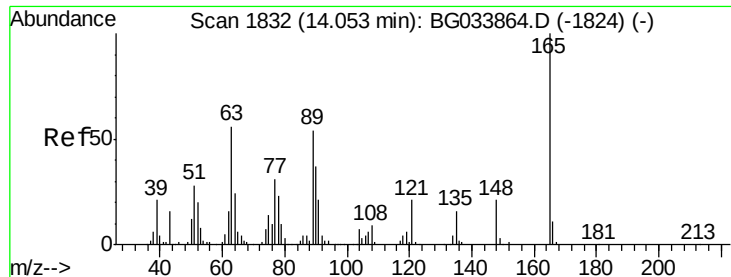


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

2,6-Dinitrotoluene

Concen: 7.31 ng

RT: 14.39 min Scan# 1889

Delta R.T. 0.33 min

Lab File: BG034061.D

Acq: 28 Apr 2018 6:26

Instrument :

BNA_G

ClientSampleId :

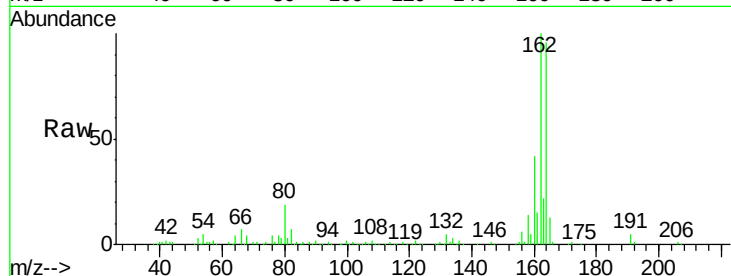
Tot Ion:165 Resp: 23386

Ion Ratio Lower Upper

165 100

63 2.1 52.7 79.1#

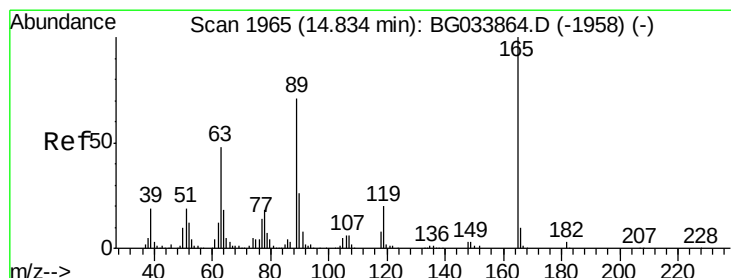
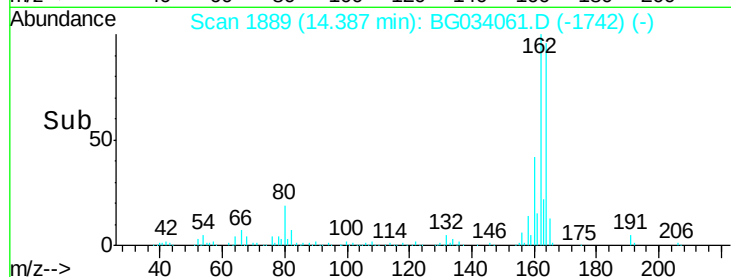
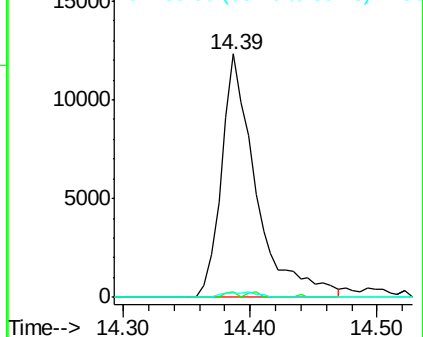
89 1.6 49.2 73.8#



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: 5.58 ng

RT: 14.39 min Scan# 1889

Delta R.T. -0.45 min

Lab File: BG034061.D

Acq: 28 Apr 2018 6:26

Tgt Ion:165 Resp: 23757

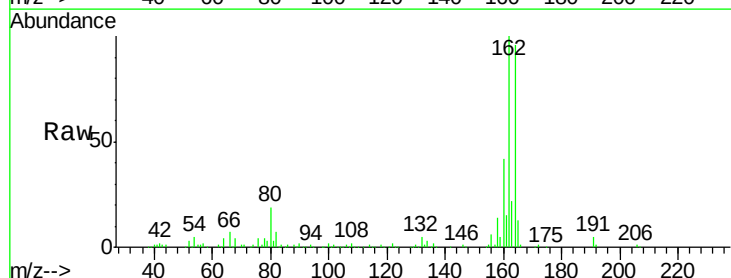
Ion Ratio Lower Upper

165 100

63 2.1 42.0 63.0#

89 1.6 66.9 100.3#

182 0.0 2.6 3.8#

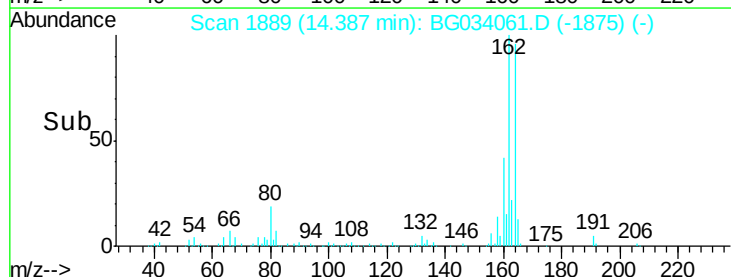
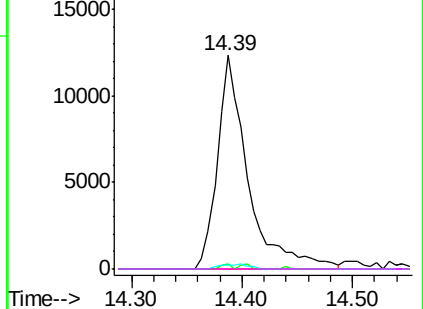


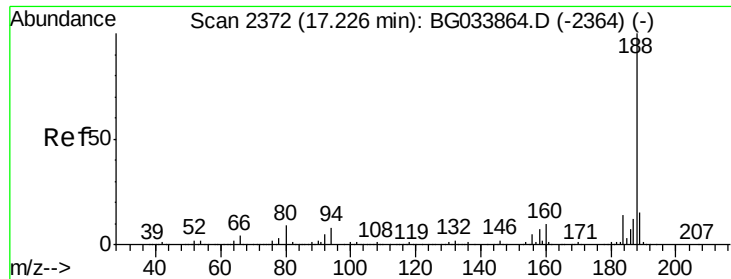
Abundance Ion 165.00 (164.70 to 165.70): E

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

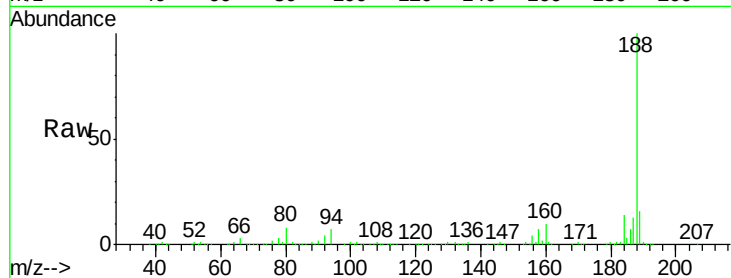




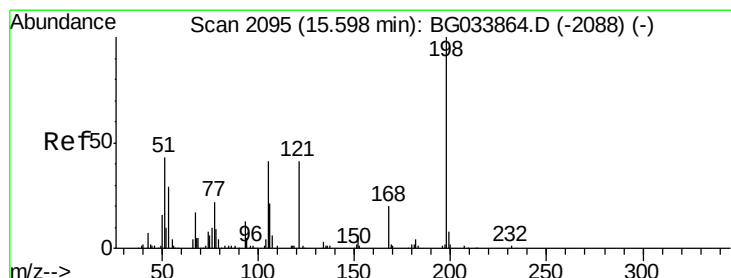
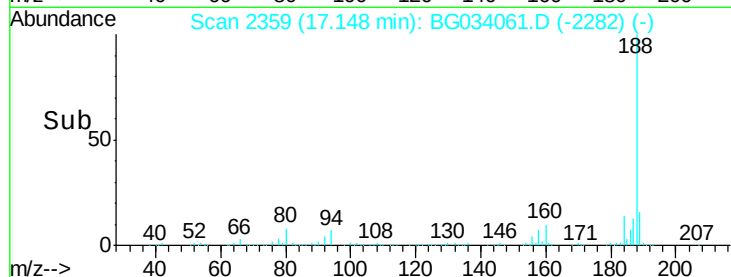
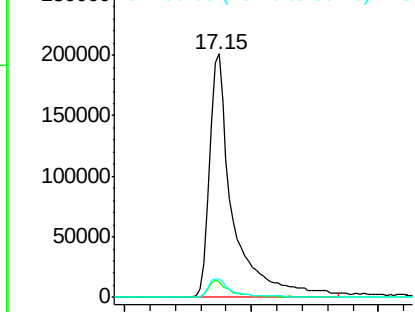
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.15 min Scan# 2359
Delta R.T. -0.08 min
Lab File: BG034061.D
Acq: 28 Apr 2018 6:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 518727
Ion Ratio Lower Upper
188 100
94 6.6 6.9 10.3#
80 7.8 7.7 11.5

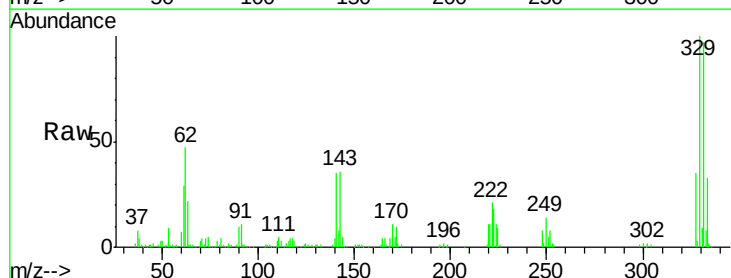


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

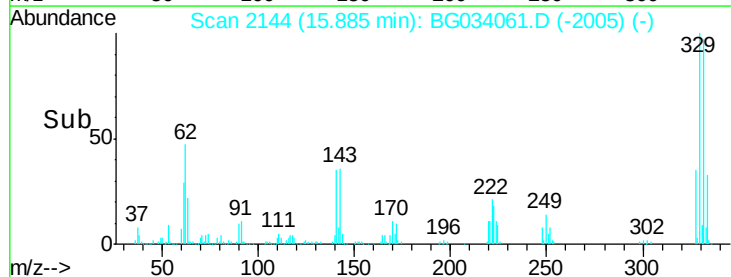
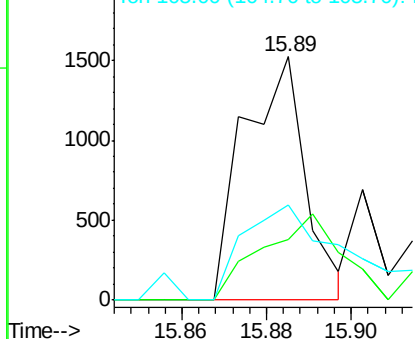


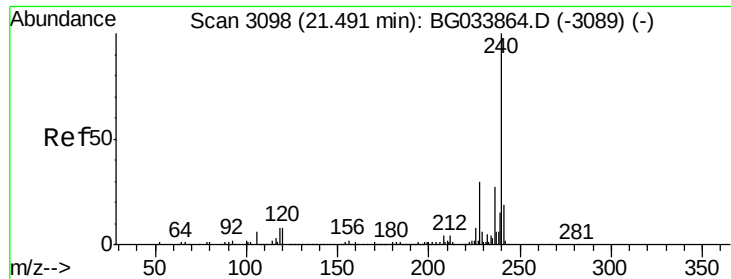
#64
4,6-Dinitro-2-methylphenol
Concen: 7.02 ng
RT: 15.89 min Scan# 2144
Delta R.T. 0.29 min
Lab File: BG034061.D
Acq: 28 Apr 2018 6:26

Tgt Ion:198 Resp: 1546
Ion Ratio Lower Upper
198 100
51 24.7 30.6 70.6#
105 39.2 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: BG034061.D

Acq: 28 Apr 2018 6:26

Instrument :

BNA_G

ClientSampleId :

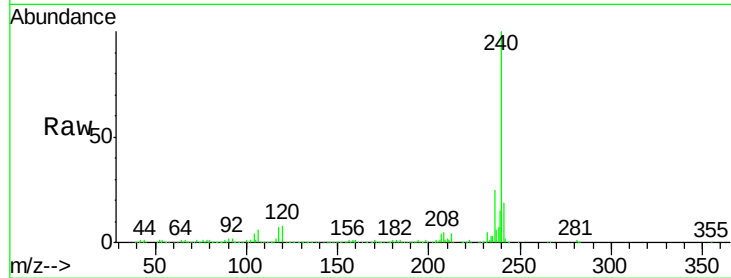
Tot Ion:240 Resp: 581734

Ion Ratio Lower Upper

240 100

120 8.0 6.8 10.2

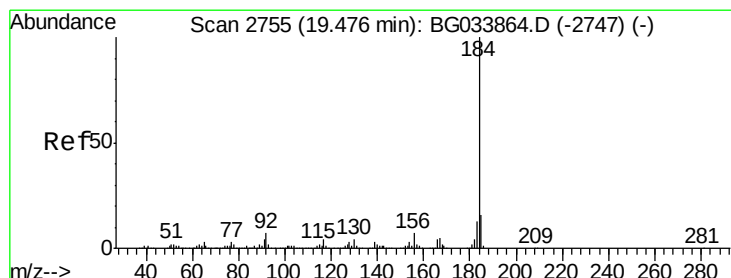
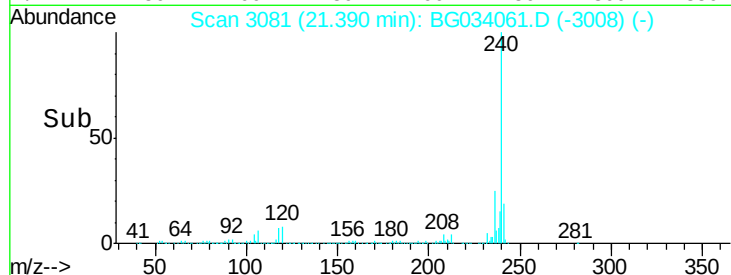
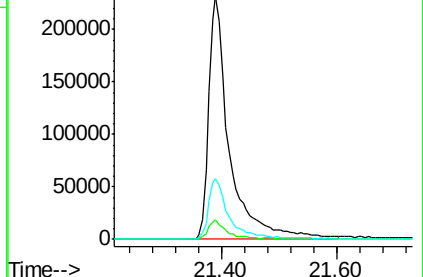
236 24.8 20.9 31.3



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: 2.23 ng

RT: 19.78 min Scan# 2807

Delta R.T. 0.30 min

Lab File: BG034061.D

Acq: 28 Apr 2018 6:26

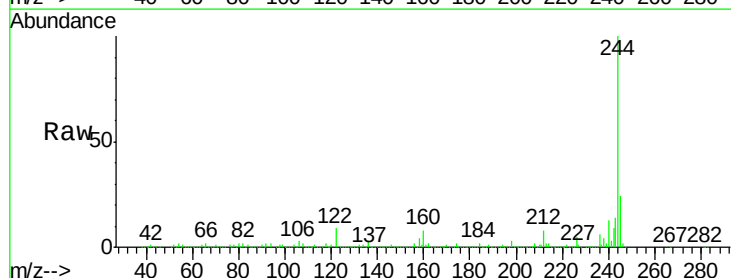
Tgt Ion:184 Resp: 35027

Ion Ratio Lower Upper

184 100

185 17.3 11.1 16.7#

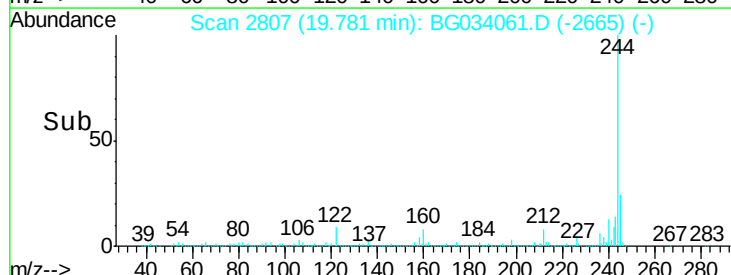
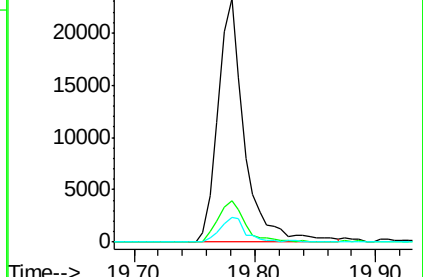
183 10.0 10.6 16.0#

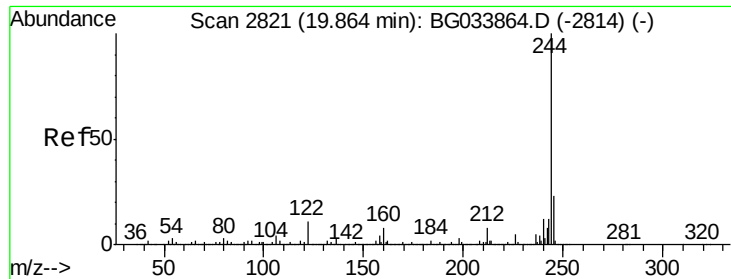


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



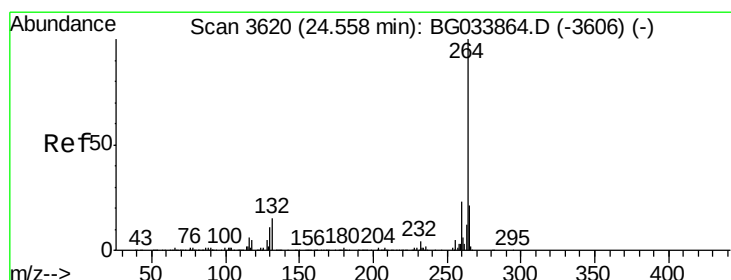
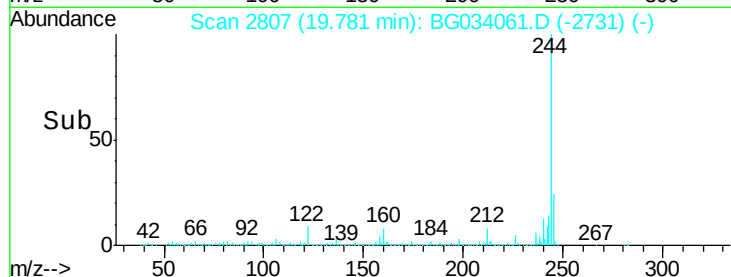
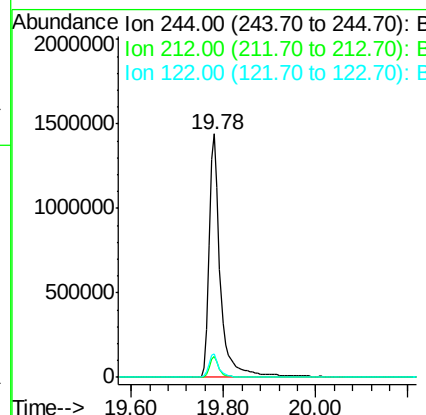
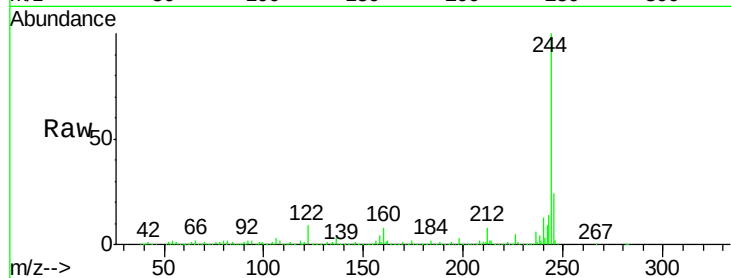


#78
 Terphenyl-d14
 Concen: 96.72 ng
 RT: 19.78 min Scan# 2807
 Delta R.T. -0.08 min
 Lab File: BG034061.D
 Acq: 28 Apr 2018 6:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 2504436

Ion	Ratio	Lower	Upper
244	100		
212	8.4	5.8	8.8
122	9.4	7.0	10.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.39 min Scan# 3591
 Delta R.T. -0.17 min
 Lab File: BG034061.D
 Acq: 28 Apr 2018 6:26

Tgt Ion:264 Resp: 575618

Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	22.3	17.7	26.5

