

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042418\
 Data File : BG033960.D
 Acq On : 24 Apr 2018 18:48
 Operator : SJ/JU
 Sample : J2509-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 00:02:11 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

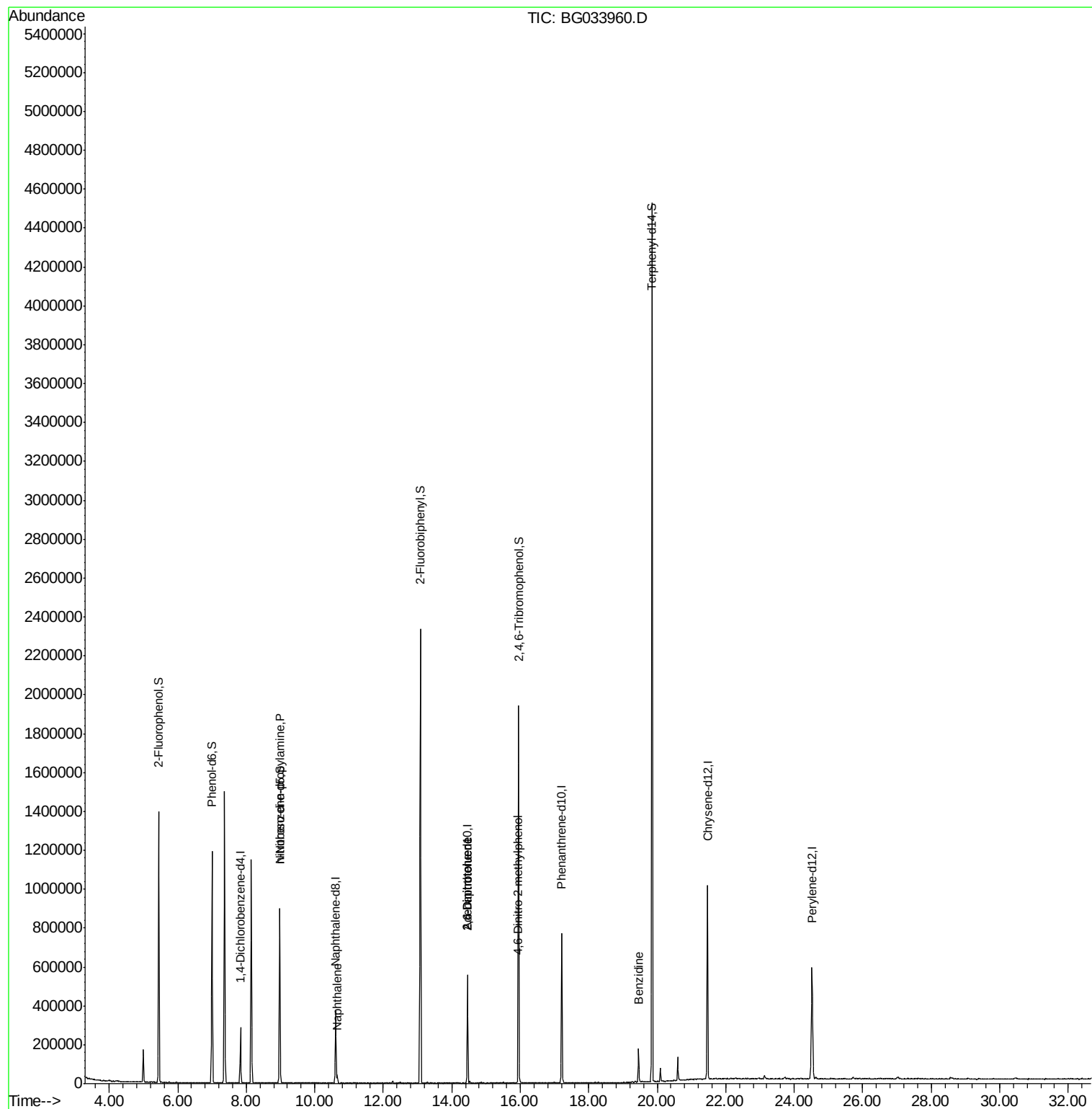
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	77541	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	314016	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	190681	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	483859	20.00	ng	-0.02
75) Chrysene-d12	21.47	240	588062	20.00	ng	-0.02
86) Perylene-d12	24.52	264	595023	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	585493	120.55	ng	0.00
7) Phenol-d6	7.00	99	659205	93.06	ng	0.00
23) Nitrobenzene-d5	8.98	82	536189	97.17	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	348803	156.79	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1229195	94.70	ng	-0.02
78) Terphenyl-d14	19.85	244	2178201	83.22	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.01	77	1131	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	8.98	70	73560	12.182 ng	#	5
31) Naphthalene	10.66	128	35916	2.224 ng	#	76
50) 2,6-Dinitrotoluene	14.46	165	24756	7.788 ng	#	97
56) 2,4-Dinitrotoluene	14.46	165	24756	5.857 ng	#	21
64) 4,6-Dinitro-2-methylphenol	15.93	198	93	6.524 ng	#	18
76) Benizidine	19.46	184	100607	6.336 ng	#	52
						98

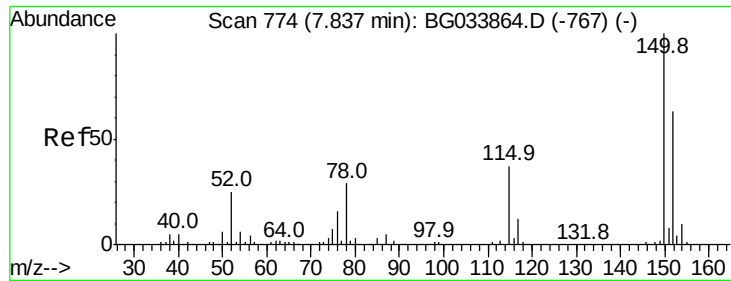
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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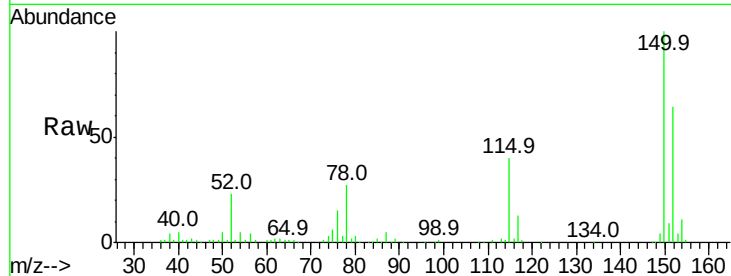


#1

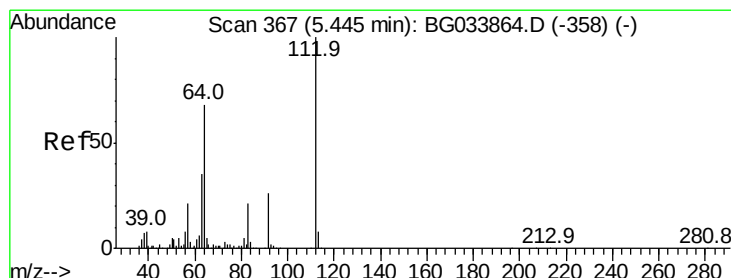
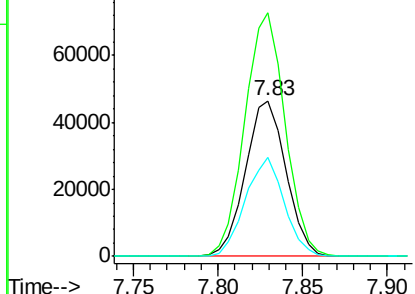
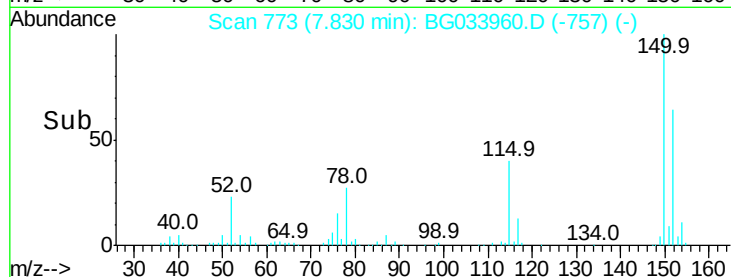
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.83 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BG033960.D
 Acq: 24 Apr 2018 18:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 77541
 Ion Ratio Lower Upper
 152 100
 150 156.6 126.6 189.8
 115 63.3 53.0 79.4



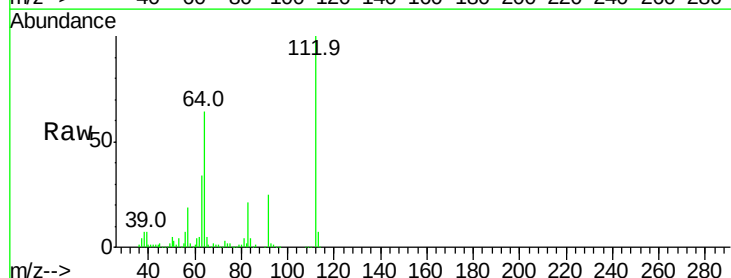
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



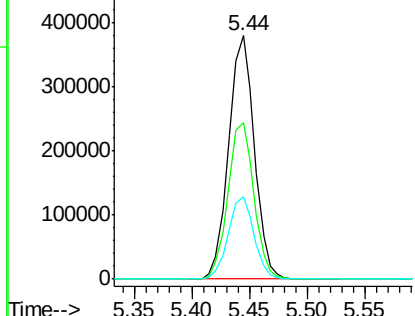
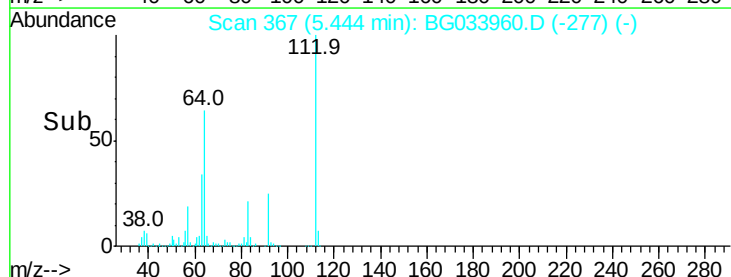
#5

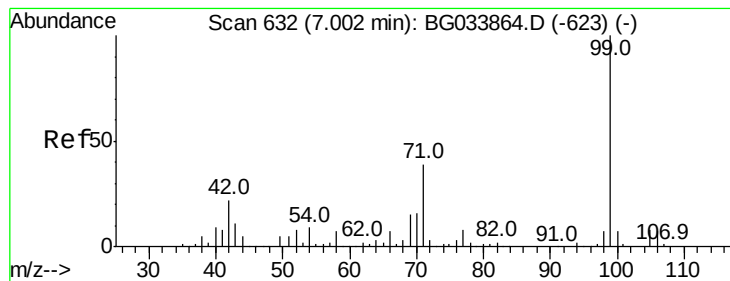
2-Fluorophenol
 Concen: 120.550 ng
 RT: 5.44 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: BG033960.D
 Acq: 24 Apr 2018 18:48

Tgt Ion:112 Resp: 585493
 Ion Ratio Lower Upper
 112 100
 64 64.4 56.3 84.5
 63 33.7 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: 93.056 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033960.D

Acq: 24 Apr 2018 18:48

Instrument :

BNA_G

ClientSampleId :

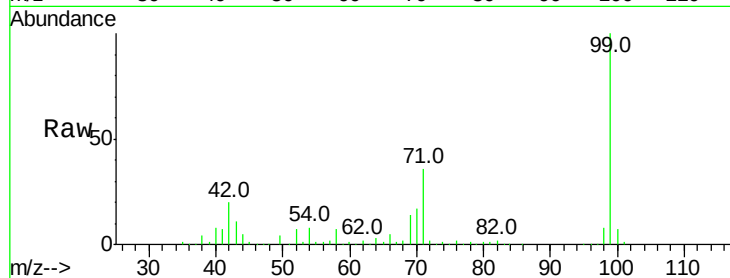
Tot Ion: 99 Resp: 659205

Ion Ratio Lower Upper

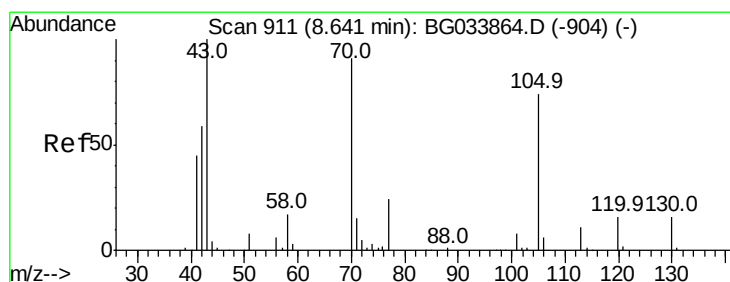
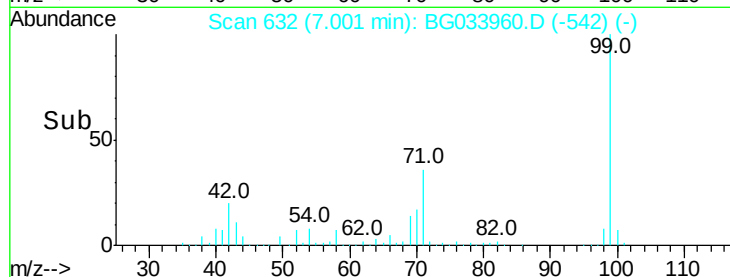
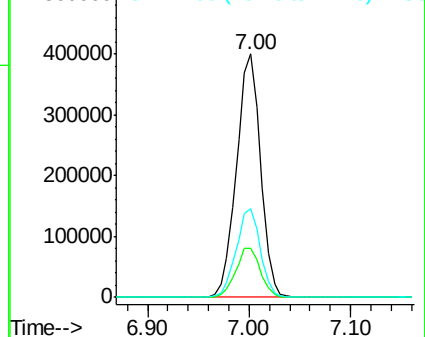
99 100

42 20.3 14.1 21.1

71 36.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 12.182 ng

RT: 8.98 min Scan# 968

Delta R.T. 0.33 min

Lab File: BG033960.D

Acq: 24 Apr 2018 18:48

Tgt Ion: 70 Resp: 73560

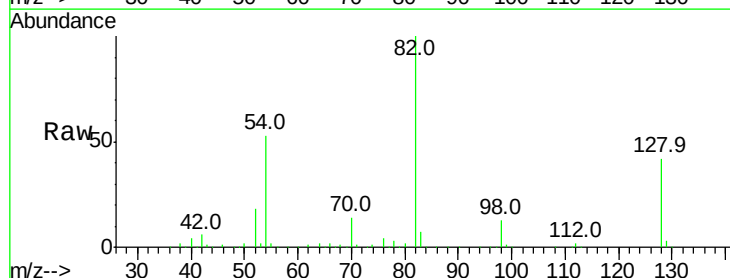
Ion Ratio Lower Upper

70 100

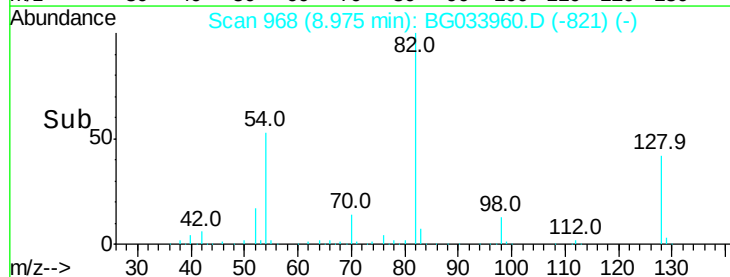
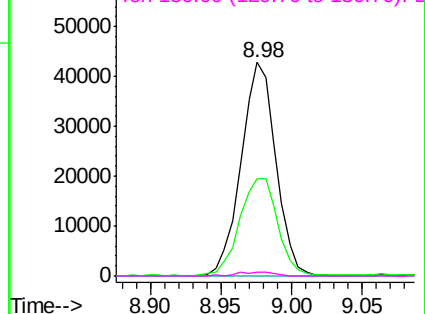
42 45.4 49.1 73.7#

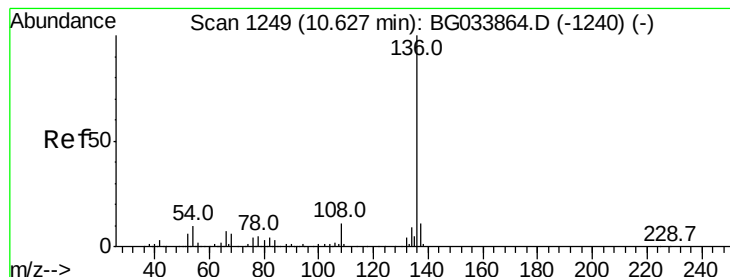
101 0.0 8.5 12.7#

130 2.1 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: 10.61 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BG033960.D

Acq: 24 Apr 2018 18:48

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 314016

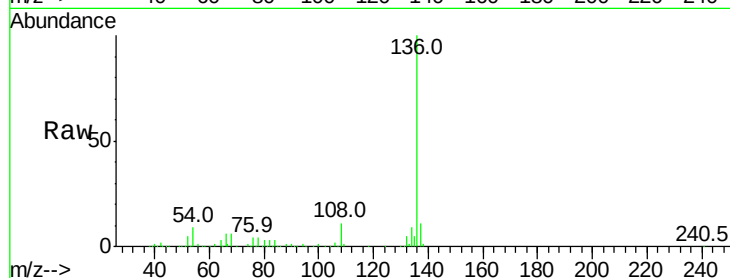
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 8.9 10.3 15.5#

68 6.0 4.5 6.7

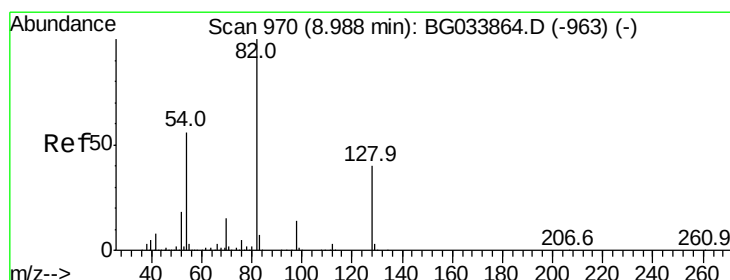
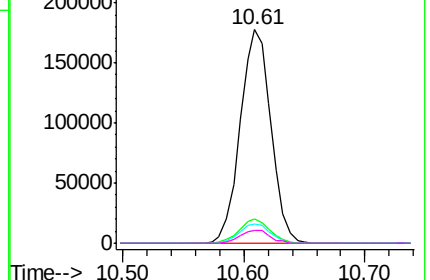
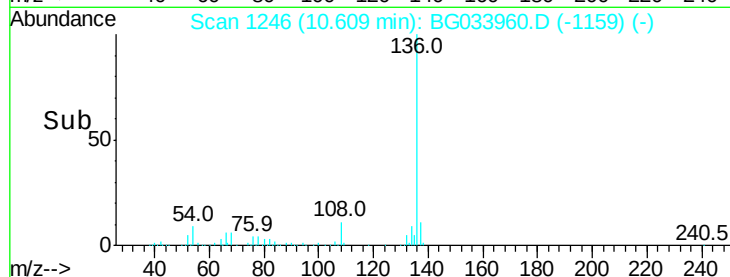


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 97.174 ng

RT: 8.98 min Scan# 968

Delta R.T. -0.01 min

Lab File: BG033960.D

Acq: 24 Apr 2018 18:48

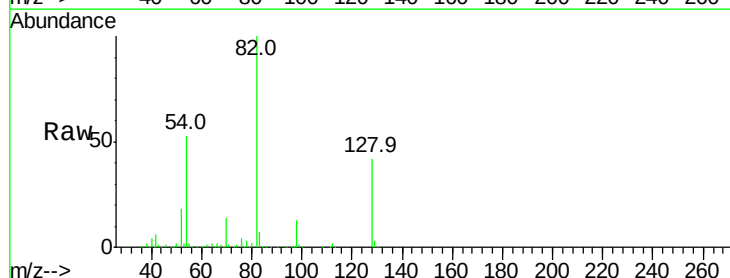
Tgt Ion: 82 Resp: 536189

Ion Ratio Lower Upper

82 100

128 42.4 29.7 44.5

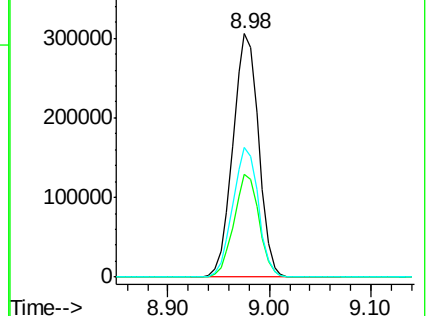
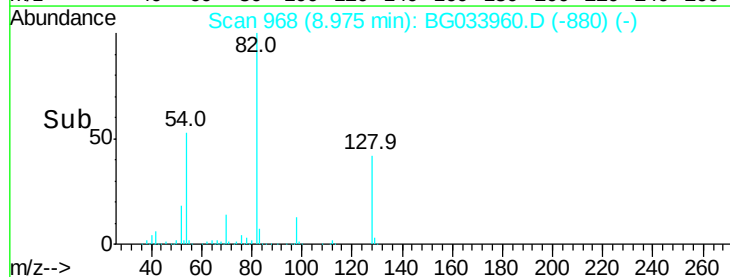
54 53.4 43.1 64.7

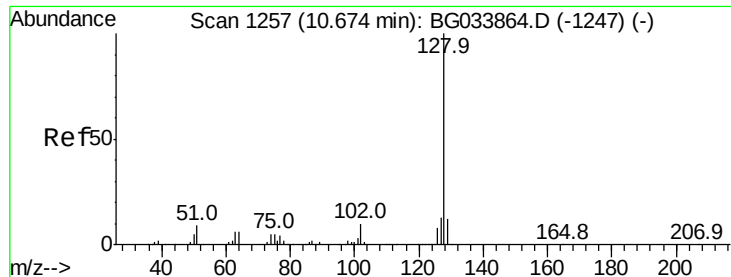


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

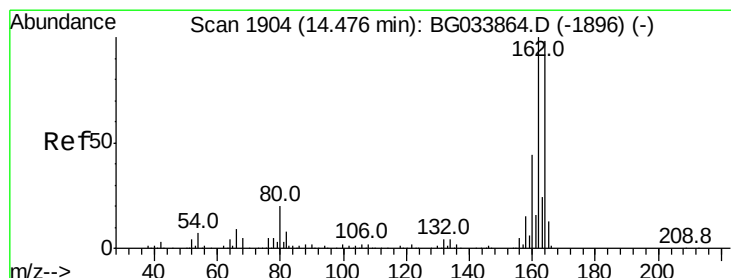
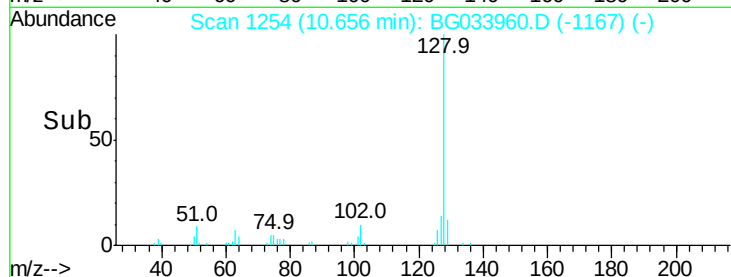
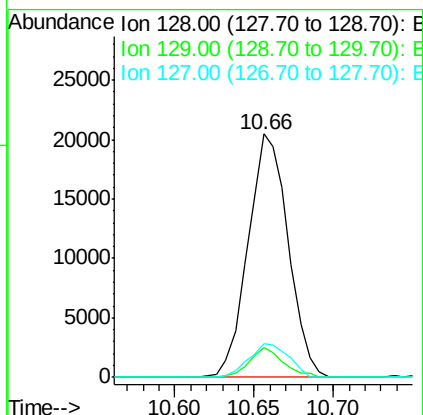
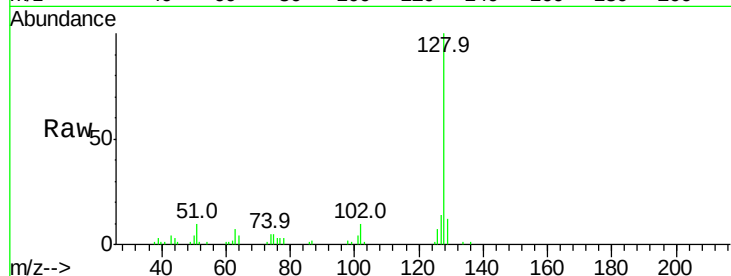




#31
Naphthalene
Concen: 2.224 ng
RT: 10.66 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BG033960.D
Acq: 24 Apr 2018 18:48

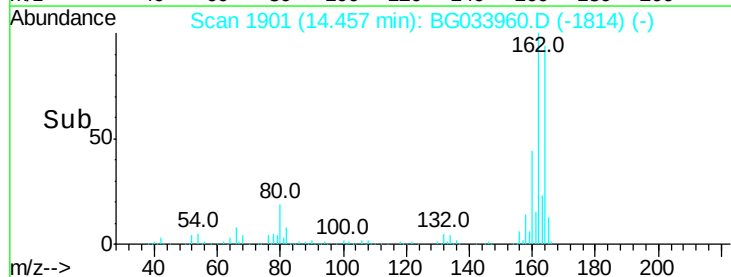
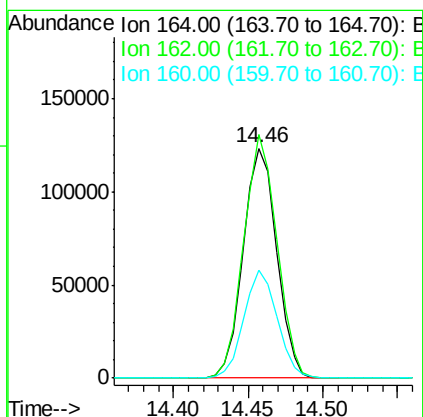
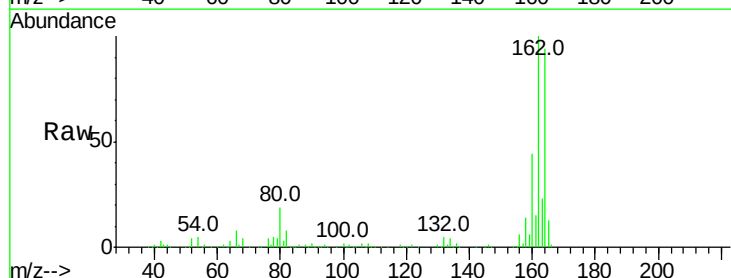
Instrument :
BNA_G
ClientSampleId :

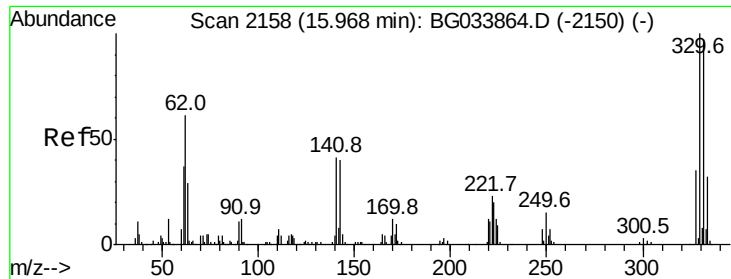
Tot Ion:128 Resp: 35916
Ion Ratio Lower Upper
128 100
129 12.1 8.6 12.8
127 13.6 11.6 17.4



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.46 min Scan# 1901
Delta R.T. -0.02 min
Lab File: BG033960.D
Acq: 24 Apr 2018 18:48

Tgt Ion:164 Resp: 190681
Ion Ratio Lower Upper
164 100
162 106.1 78.8 118.2
160 47.1 35.4 53.0

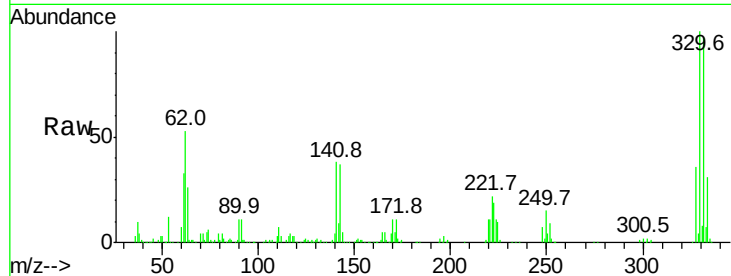




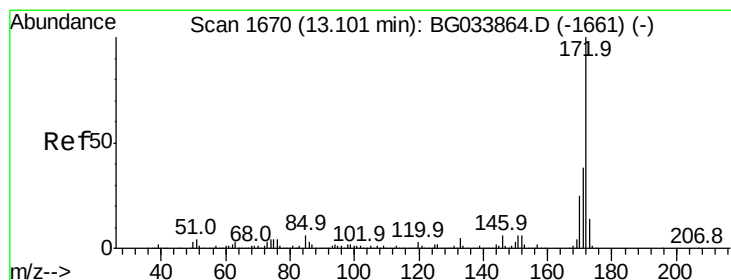
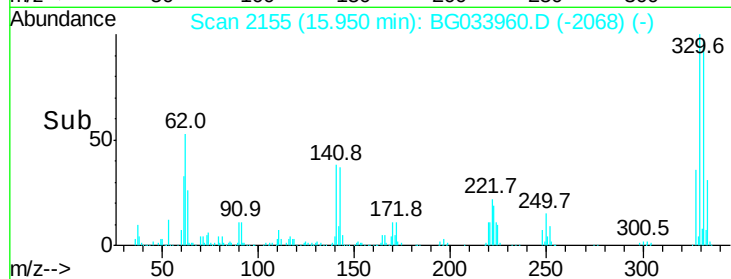
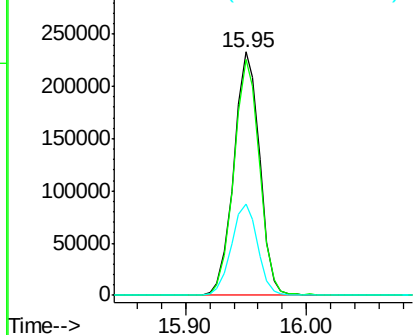
#41
 2,4,6-Tribromophenol
 Concen: 156.794 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.02 min
 Lab File: BG033960.D
 Acq: 24 Apr 2018 18:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	38.2	25.2	37.8#

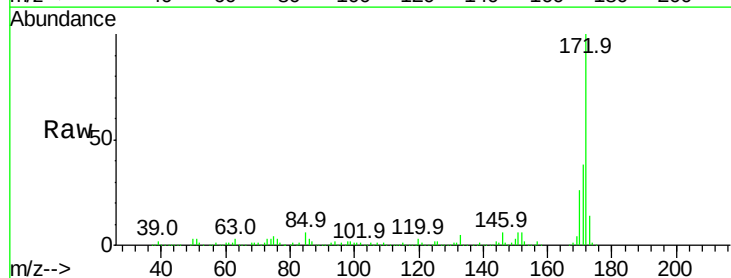


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

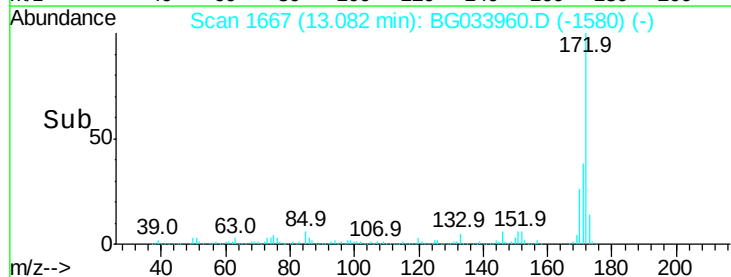
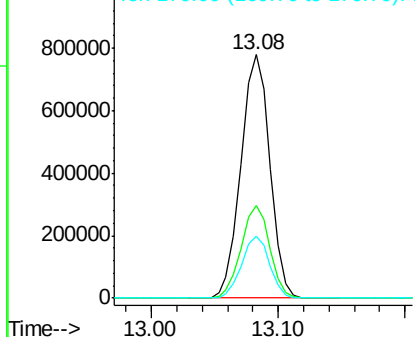


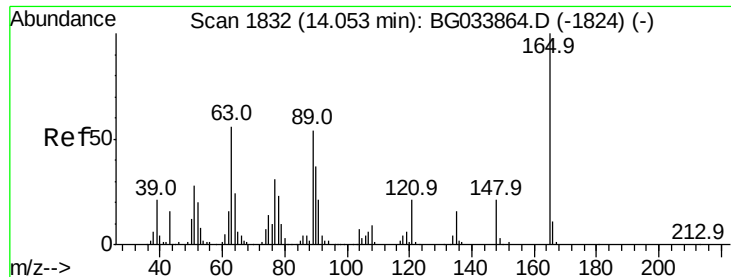
#44
 2-Fluorobiphenyl
 Concen: 94.698 ng
 RT: 13.08 min Scan# 1667
 Delta R.T. -0.02 min
 Lab File: BG033960.D
 Acq: 24 Apr 2018 18:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.0	45.0
170	25.5	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

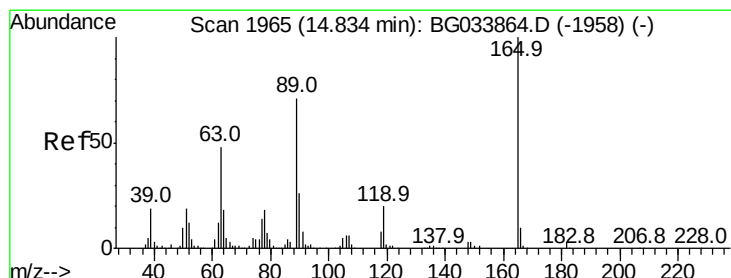
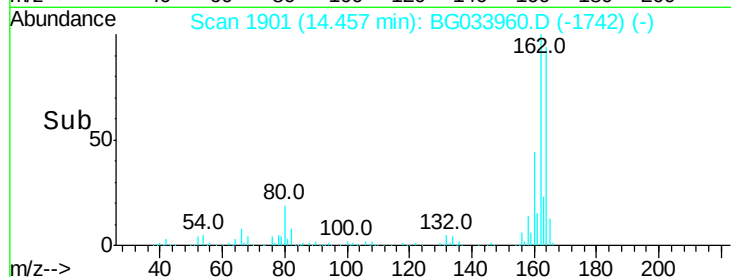
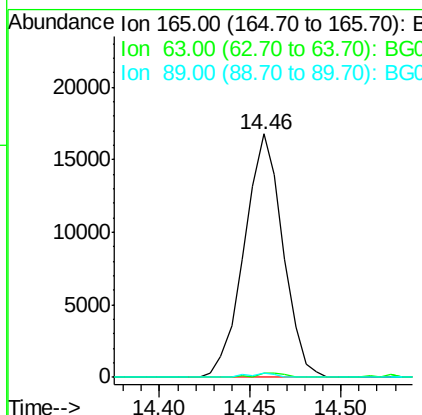
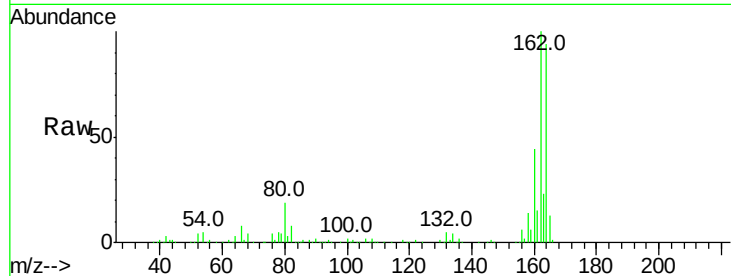




#50
 2,6-Dinitrotoluene
 Concen: 7.788 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. 0.40 min
 Lab File: BG033960.D
 Acq: 24 Apr 2018 18:48

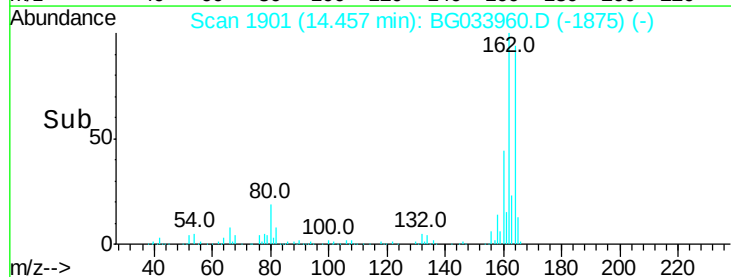
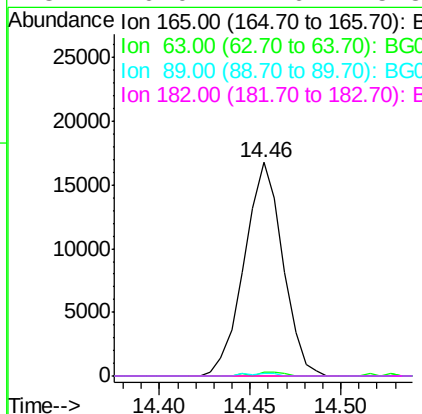
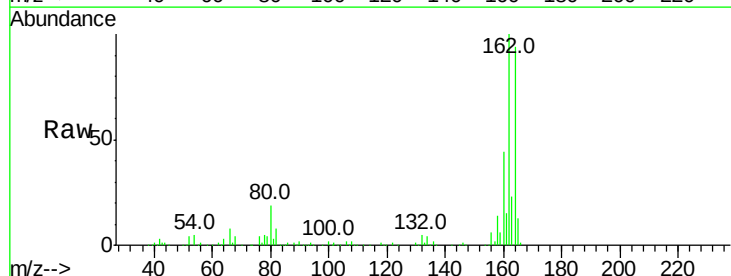
Instrument :
 BNA_G
 ClientSampleId :

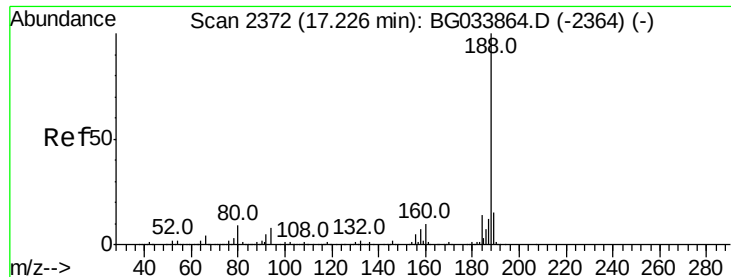
Tot Ion:165 Resp: 24756
 Ion Ratio Lower Upper
 165 100
 63 1.9 52.7 79.1#
 89 1.5 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.857 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. -0.38 min
 Lab File: BG033960.D
 Acq: 24 Apr 2018 18:48

Tgt Ion:165 Resp: 24756
 Ion Ratio Lower Upper
 165 100
 63 1.9 42.0 63.0#
 89 1.5 66.9 100.3#
 182 0.0 2.6 3.8#

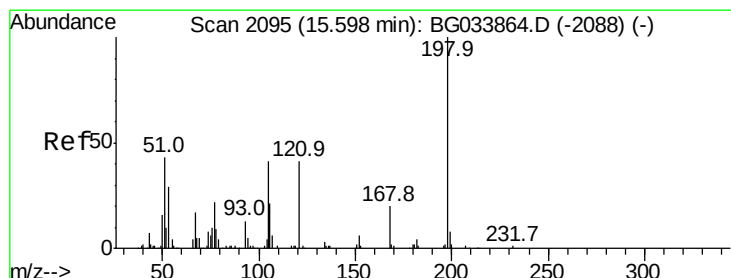
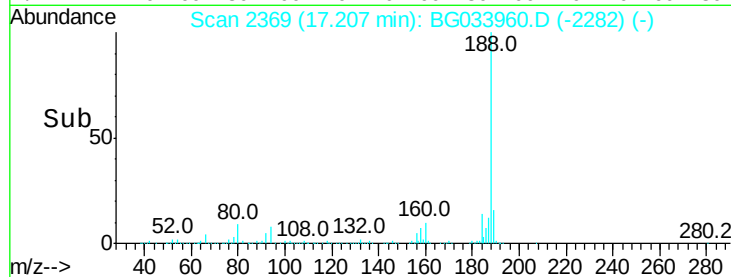
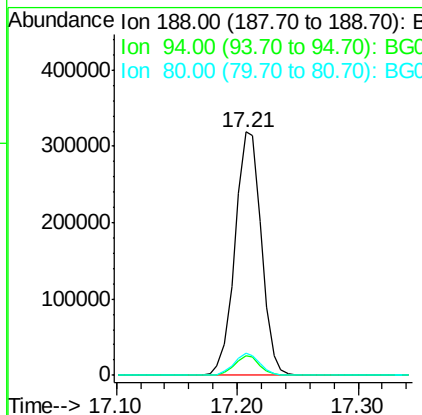
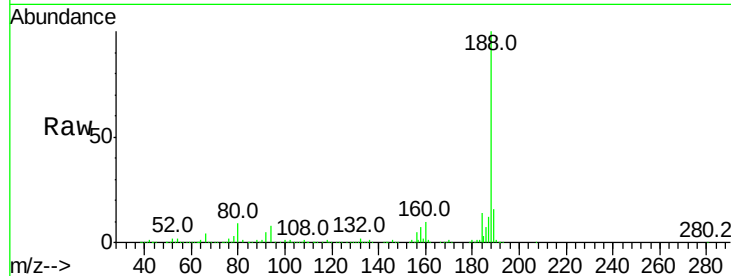




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2369
 Delta R.T. -0.02 min
 Lab File: BG033960.D
 Acq: 24 Apr 2018 18:48

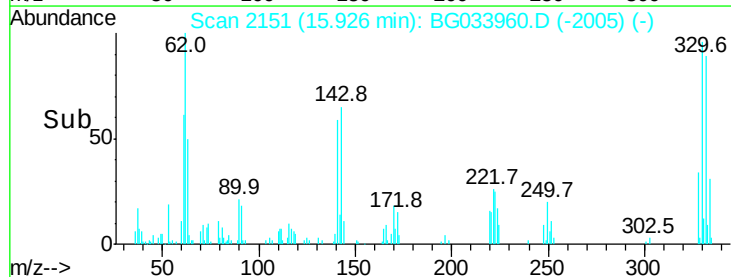
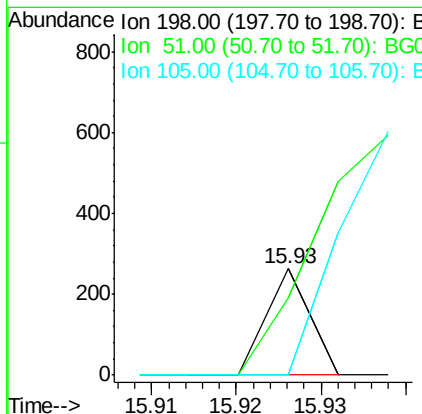
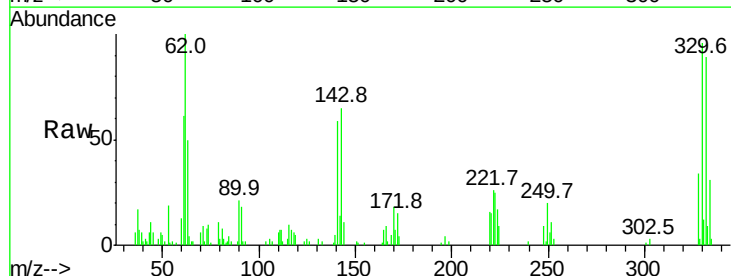
Instrument :
 BNA_G
 ClientSampleId :

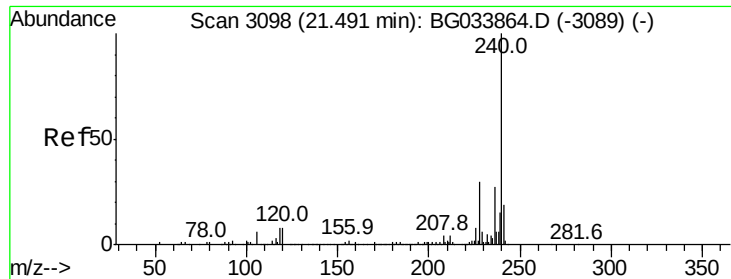
Tot Ion:188 Resp: 483859
 Ion Ratio Lower Upper
 188 100
 94 8.1 6.9 10.3
 80 9.0 7.7 11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.524 ng
 RT: 15.93 min Scan# 2151
 Delta R.T. 0.33 min
 Lab File: BG033960.D
 Acq: 24 Apr 2018 18:48

Tgt Ion:198 Resp: 93
 Ion Ratio Lower Upper
 198 100
 51 72.2 30.6 70.6#
 105 0.0 23.8 63.8#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.47 min Scan# 3094

Delta R.T. -0.02 min

Lab File: BG033960.D

Acq: 24 Apr 2018 18:48

Instrument :

BNA_G

ClientSampleId :

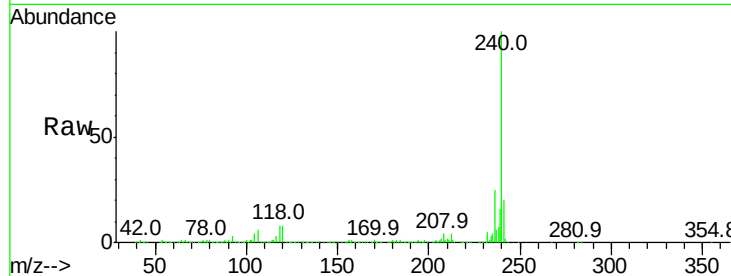
Tot Ion:240 Resp: 588062

Ion Ratio Lower Upper

240 100

120 7.5 6.8 10.2

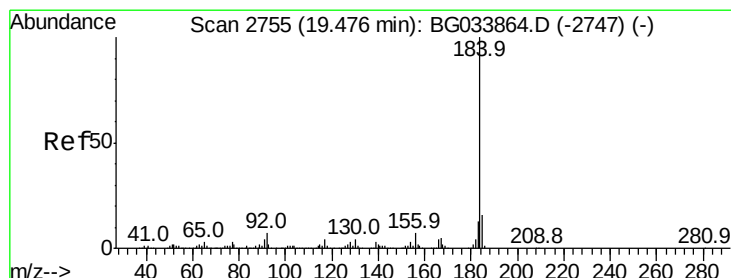
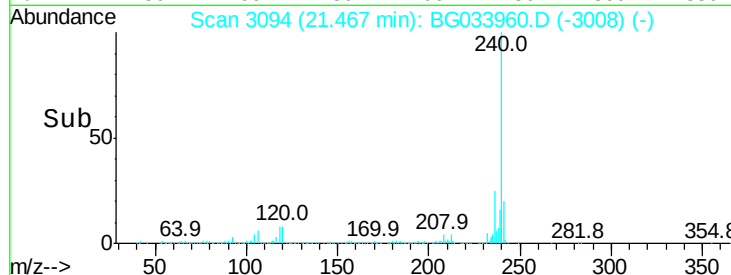
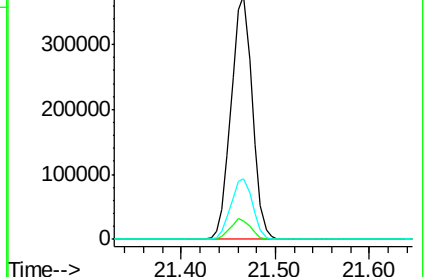
236 24.8 20.9 31.3



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: 6.336 ng

RT: 19.46 min Scan# 2752

Delta R.T. -0.02 min

Lab File: BG033960.D

Acq: 24 Apr 2018 18:48

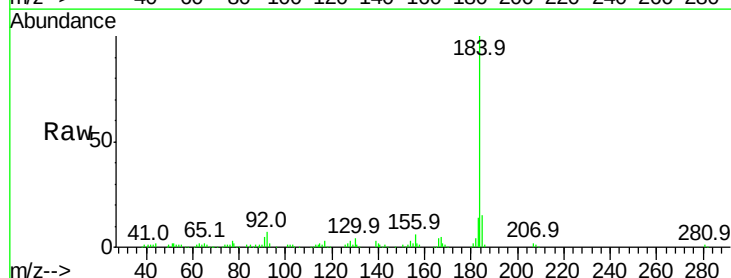
Tgt Ion:184 Resp: 100607

Ion Ratio Lower Upper

184 100

185 14.9 11.1 16.7

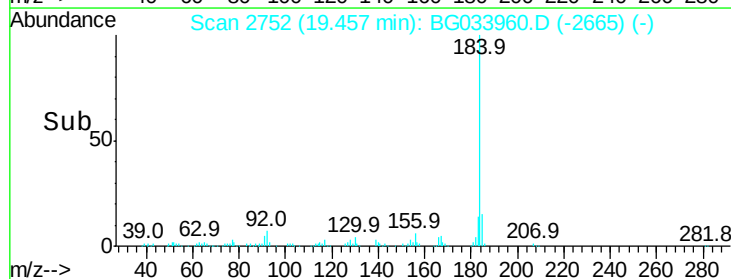
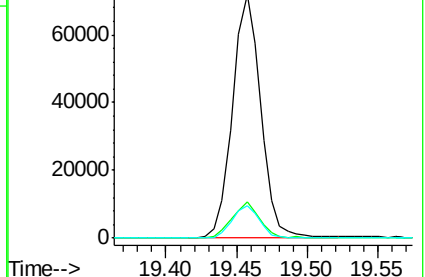
183 13.5 10.6 16.0

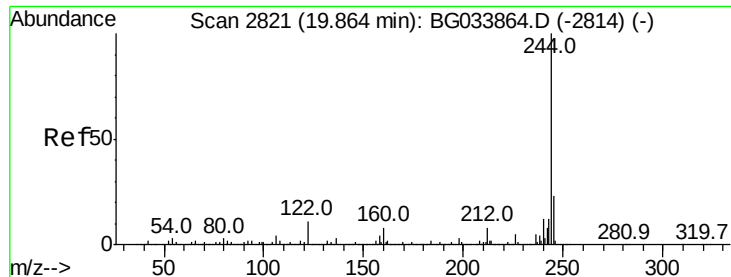


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 83.215 ng

RT: 19.85 min Scan# 2818

Delta R.T. -0.02 min

Lab File: BG033960.D

Acq: 24 Apr 2018 18:48

Instrument :

BNA_G

ClientSampleId :

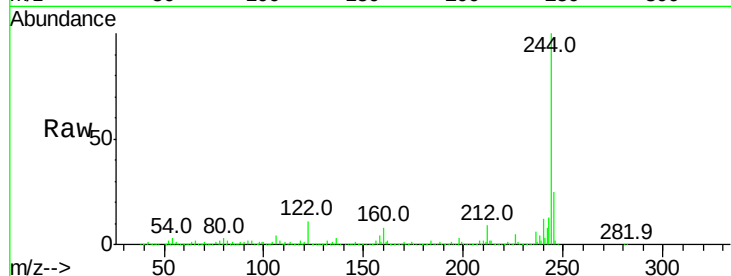
Tot Ion:244 Resp: 2178201

Ion	Ratio	Lower	Upper
244	100		
212	8.5	5.8	8.8
122	11.0	7.0	10.4

244 100

212 8.5 5.8 8.8

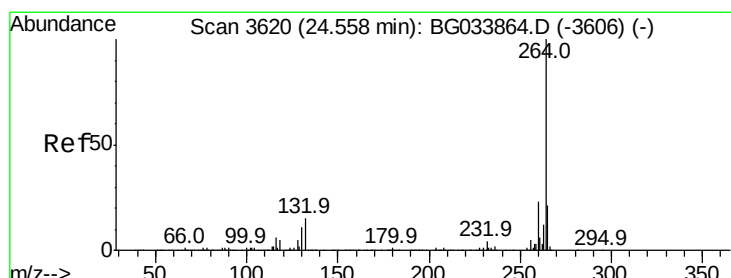
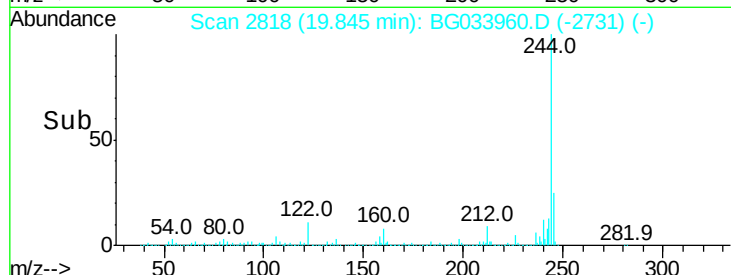
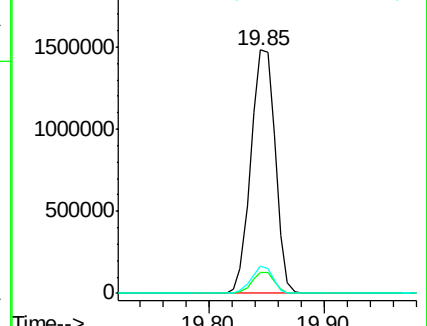
122 11.0 7.0 10.4



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: 24.52 min Scan# 3614

Delta R.T. -0.04 min

Lab File: BG033960.D

Acq: 24 Apr 2018 18:48

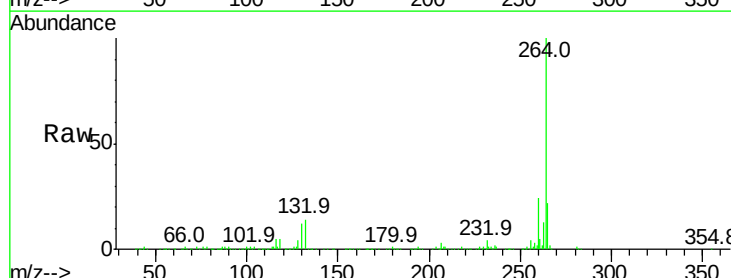
Tgt Ion:264 Resp: 595023

Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	22.3	17.7	26.5

264 100

260 23.7 17.4 26.0

265 22.3 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

