

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031318\
 Data File : BG033125.D
 Acq On : 13 Mar 2018 18:57
 Operator : SJ/JU
 Sample : J1776-25
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 23:19:14 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 15:10:14 2018
 Response via : Initial Calibration

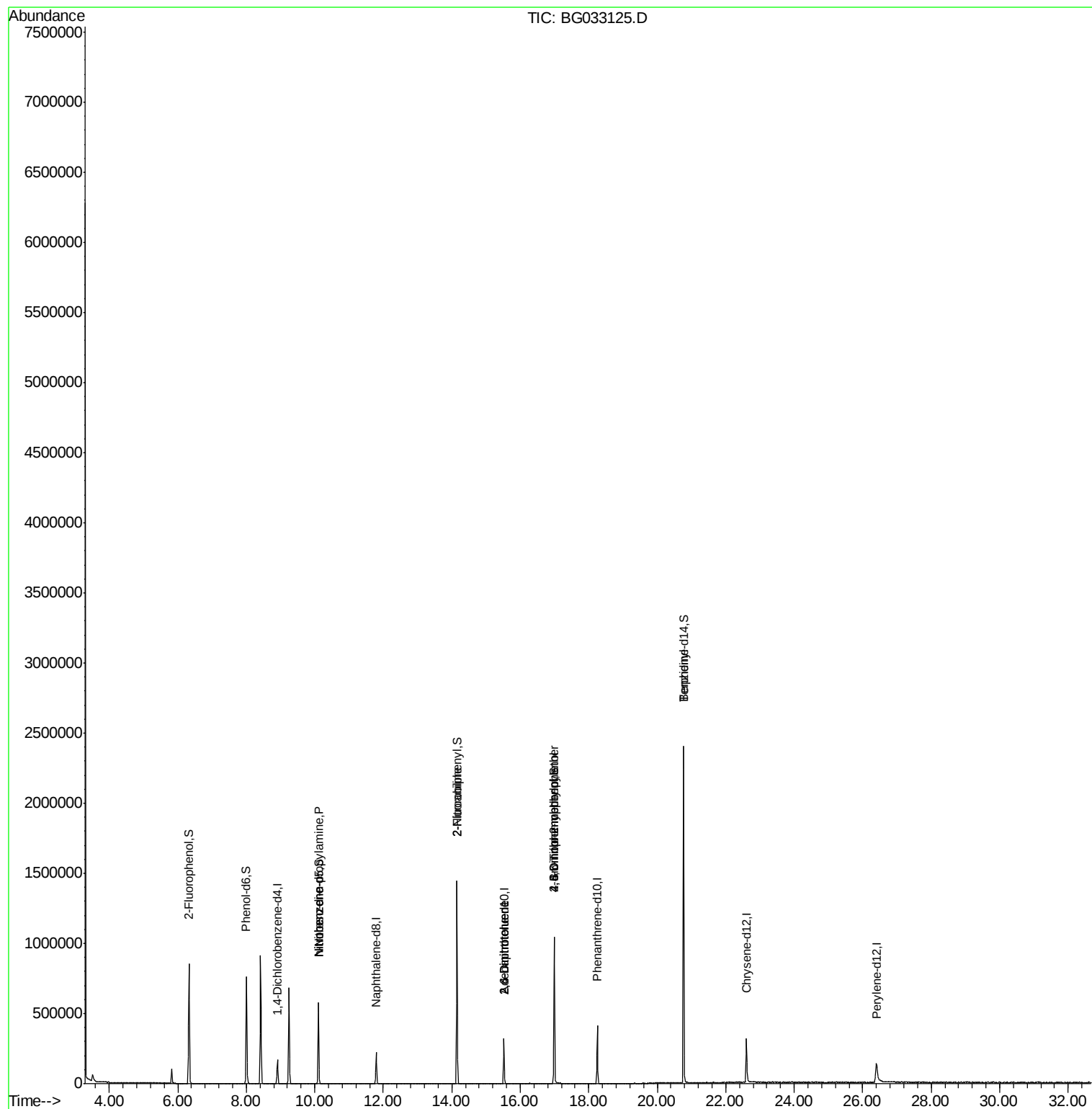
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	47906	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	201915	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	109053	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	244672	20.00	ng	0.00
75) Chrysene-d12	22.60	240	243388	20.00	ng	0.00
86) Perylene-d12	26.40	264	197168	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	387362	129.36	ng	0.00
7) Phenol-d6	8.00	99	455956	109.24	ng	0.00
23) Nitrobenzene-d5	10.11	82	355002	117.69	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	190484	166.12	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	743232	98.29	ng	0.00
78) Terphenyl-d14	20.77	244	1146826	105.86	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	46642	15.829	ng	# 87
24) Nitrobenzene	10.10	77	1171	6.696	ng	# 48
47) 2-Nitroaniline	14.15	65	1324	10.422	ng	# 1
50) 2,6-Dinitrotoluene	15.52	165	14415	16.560	ng	# 21
56) 2,4-Dinitrotoluene	15.52	165	14415	14.759	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.99	198	464	5.754	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	13241	5.118	ng	# 1
76) Benzidine	20.77	184	19897	2.398	ng	# 92

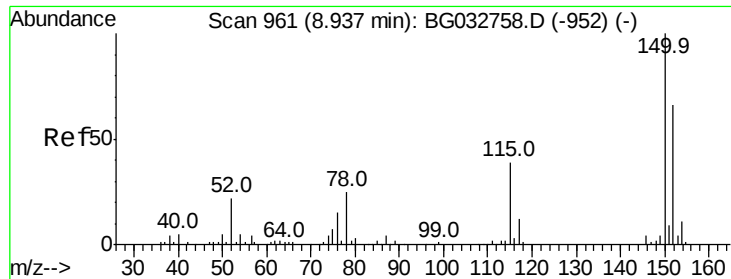
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 12 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 09 15:10:14 2018
Response via : Initial Calibration



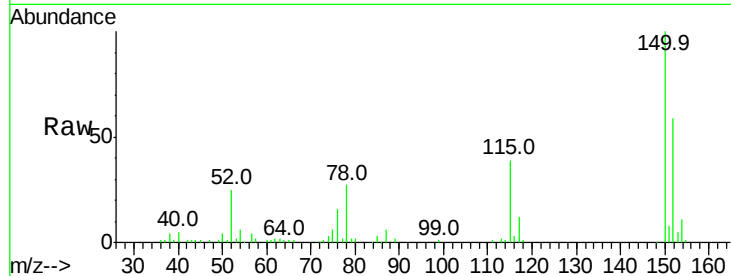


#1

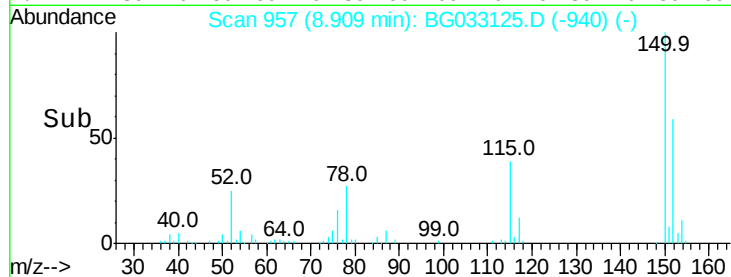
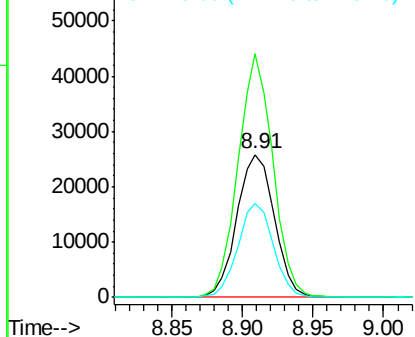
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033125.D
Acq: 13 Mar 2018 18:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 47906
Ion Ratio Lower Upper
152 100
150 170.6 126.6 189.8
115 65.7 53.0 79.4



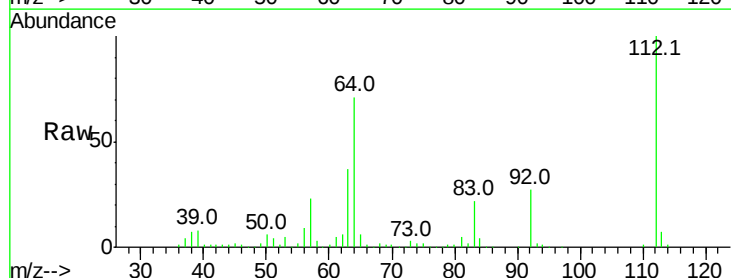
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



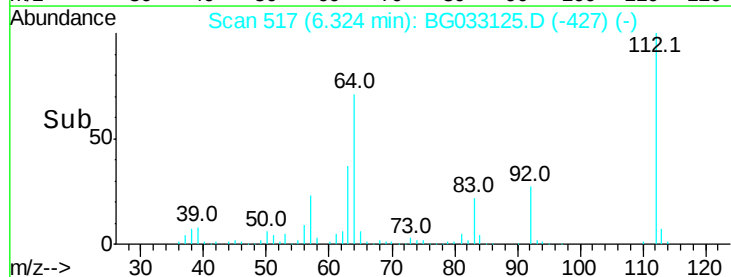
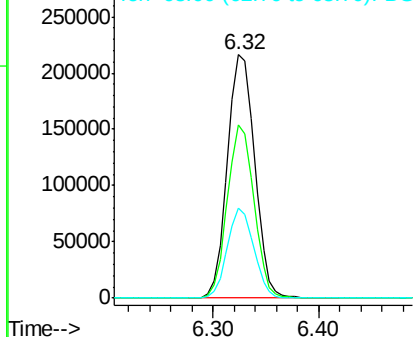
#5

2-Fluorophenol
Concen: 129.362 ng
RT: 6.32 min Scan# 517
Delta R.T. -0.00 min
Lab File: BG033125.D
Acq: 13 Mar 2018 18:57

Tgt Ion:112 Resp: 387362
Ion Ratio Lower Upper
112 100
64 71.0 56.3 84.5
63 37.0 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 109.243 ng

RT: 8.00 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033125.D

Acq: 13 Mar 2018 18:57

Instrument :

BNA_G

ClientSampleId :

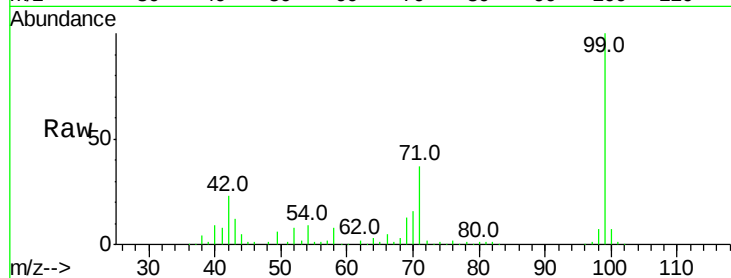
Tot Ion: 99 Resp: 455956

Ion Ratio Lower Upper

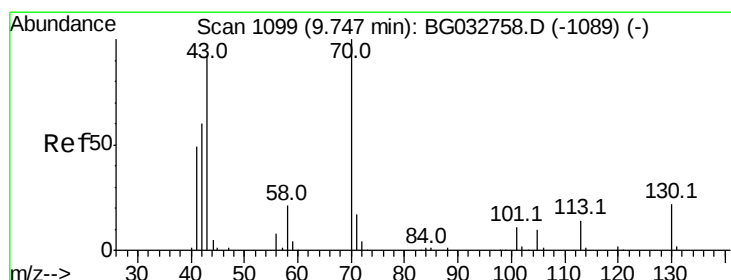
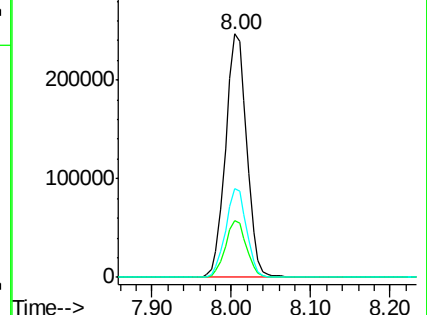
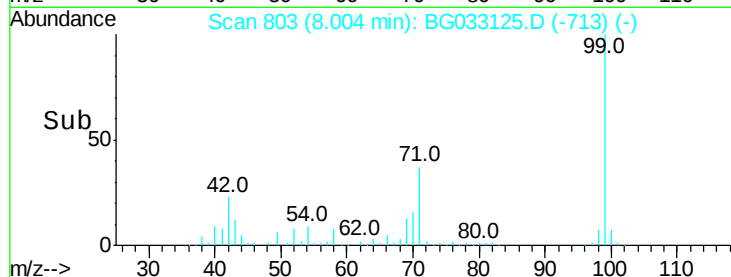
99 100

42 23.2 14.1 21.1#

71 36.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.829 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.39 min

Lab File: BG033125.D

Acq: 13 Mar 2018 18:57

Tgt Ion: 70 Resp: 46642

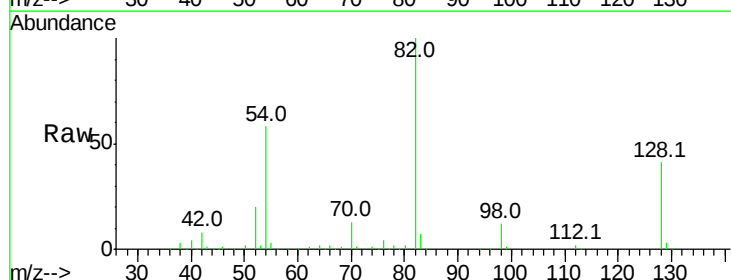
Ion Ratio Lower Upper

70 100

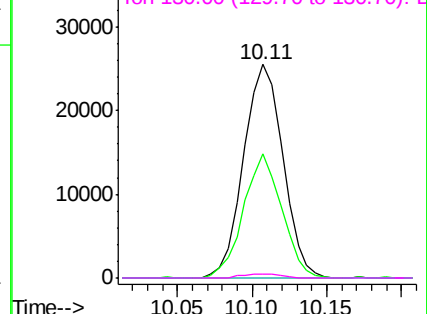
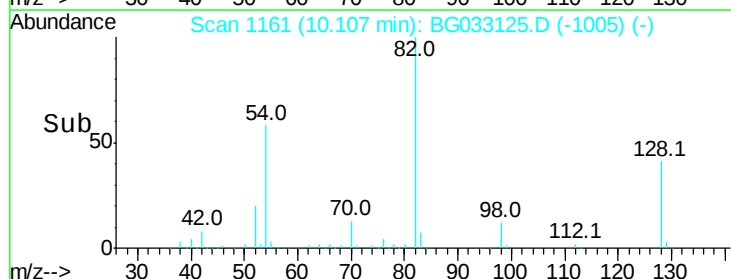
42 58.4 49.1 73.7

101 0.0 8.5 12.7#

130 1.9 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

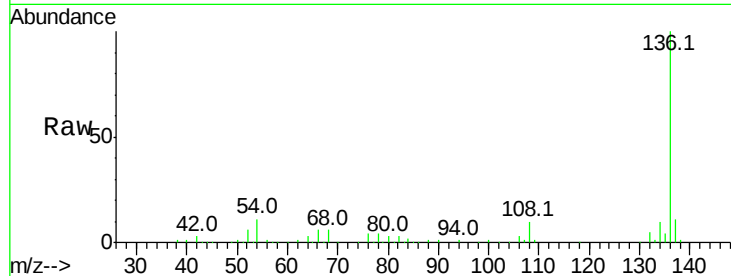




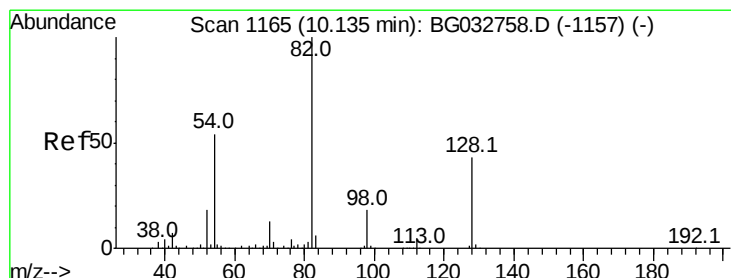
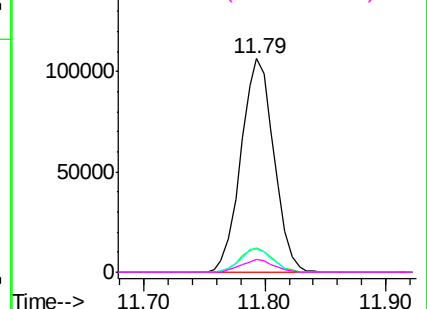
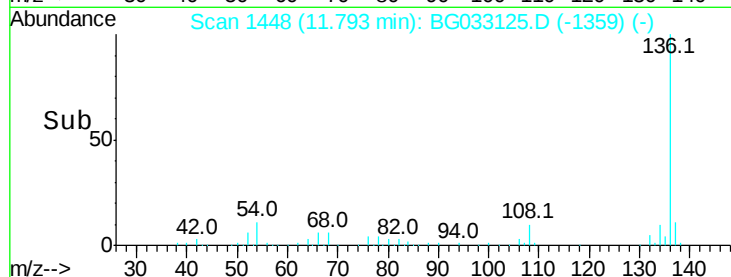
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG033125.D
Acq: 13 Mar 2018 18:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	201915
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	10.6	10.3	15.5
68	6.1	4.5	6.7

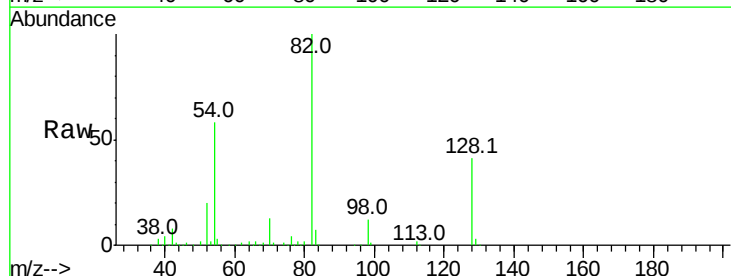


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

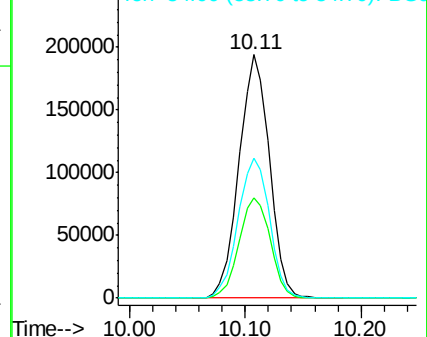
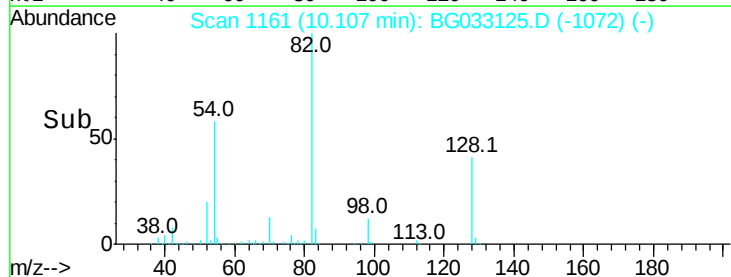


#23
Nitrobenzene-d5
Concen: 117.693 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG033125.D
Acq: 13 Mar 2018 18:57

Tgt Ion:	82	Resp:	355002
Ion	Ratio	Lower	Upper
82	100		
128	41.0	29.7	44.5
54	57.7	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





#24

Nitrobenzene

Concen: 6.696 ng

RT: 10.10 min Scan# 1160

Delta R.T. -0.05 min

Lab File: BG033125.D

Acq: 13 Mar 2018 18:57

Instrument :

BNA_G

ClientSampled :

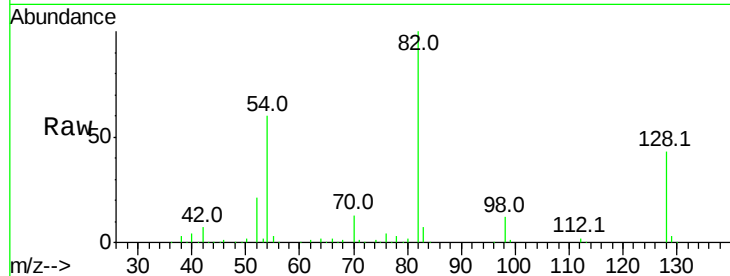
Tot Ion: 77 Resp: 1171

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

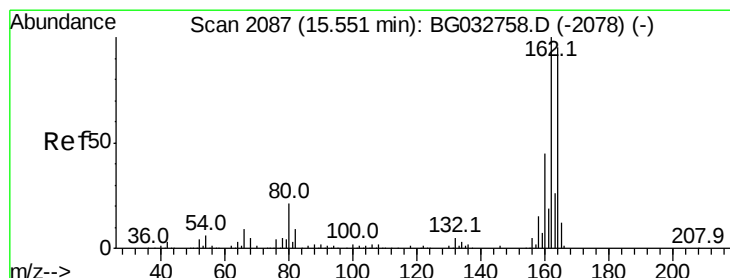
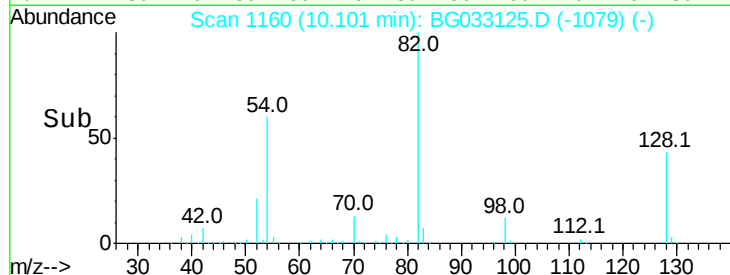
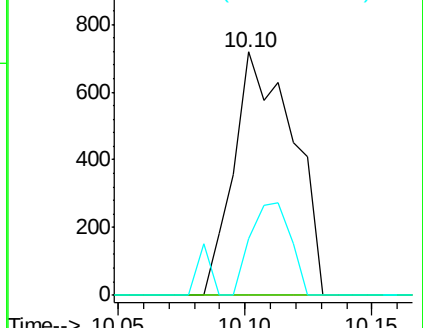
65 23.1 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BG033125.D

Acq: 13 Mar 2018 18:57

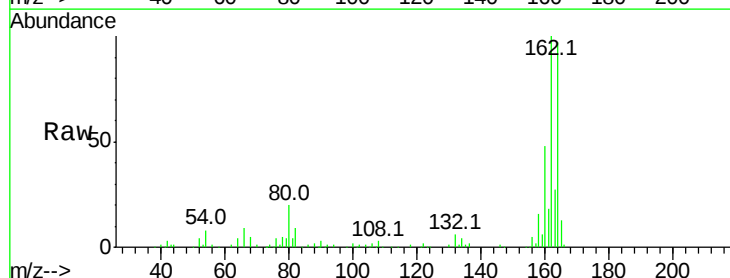
Tgt Ion:164 Resp: 109053

Ion Ratio Lower Upper

164 100

162 102.7 78.8 118.2

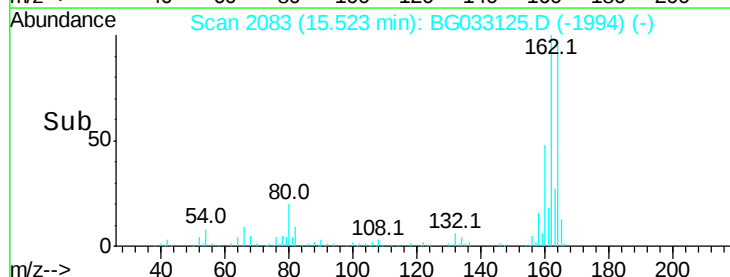
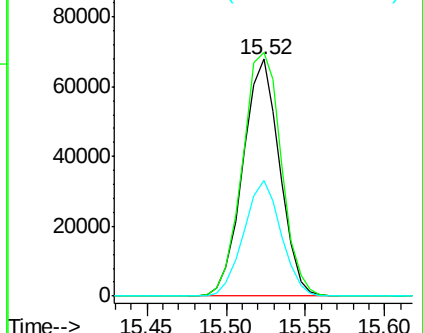
160 48.9 35.4 53.0

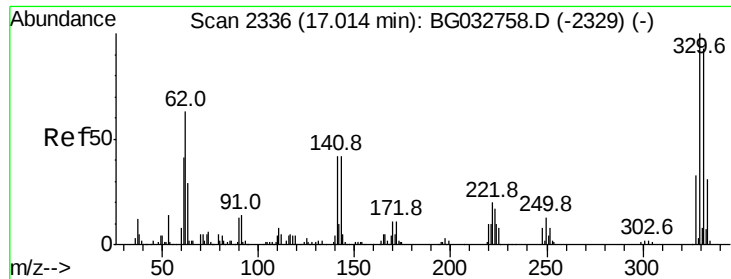


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

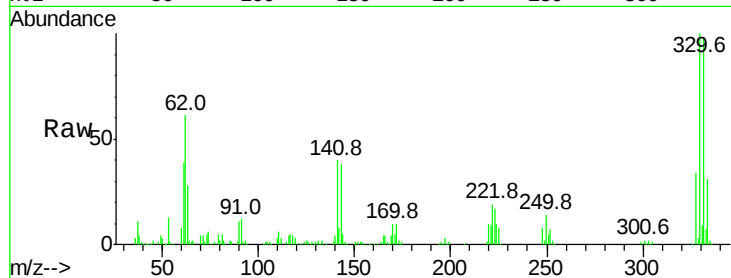




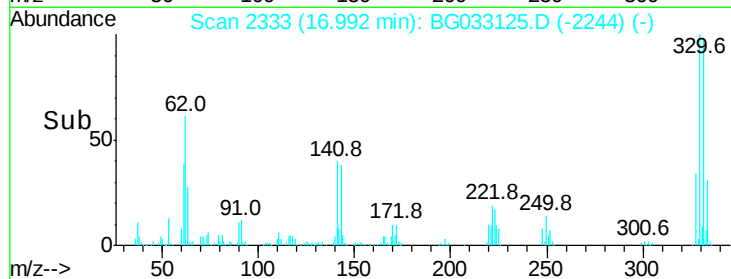
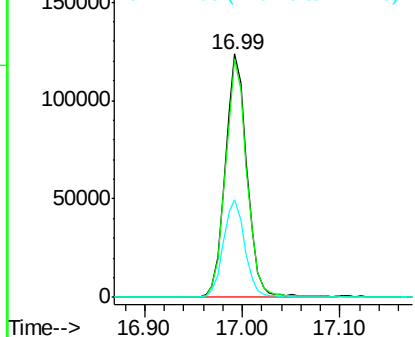
#41
 2,4,6-Tribromophenol
 Concen: 166.121 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.01 min
 Lab File: BG033125.D
 Acq: 13 Mar 2018 18:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 190484
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 40.4 25.2 37.8#

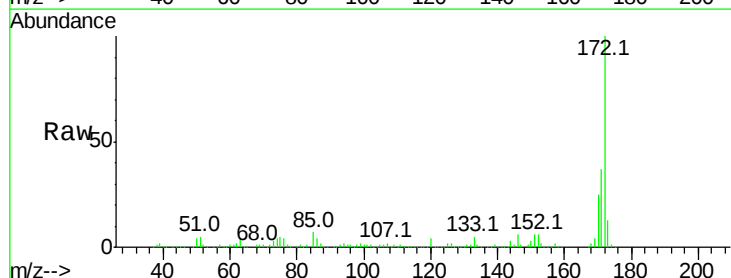


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

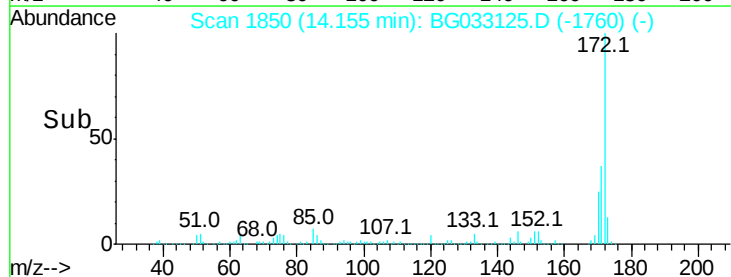
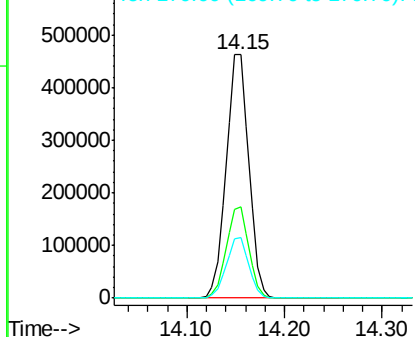


#44
 2-Fluorobiphenyl
 Concen: 98.294 ng
 RT: 14.15 min Scan# 1850
 Delta R.T. -0.00 min
 Lab File: BG033125.D
 Acq: 13 Mar 2018 18:57

Tgt Ion:172 Resp: 743232
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.0 45.0
 170 24.7 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

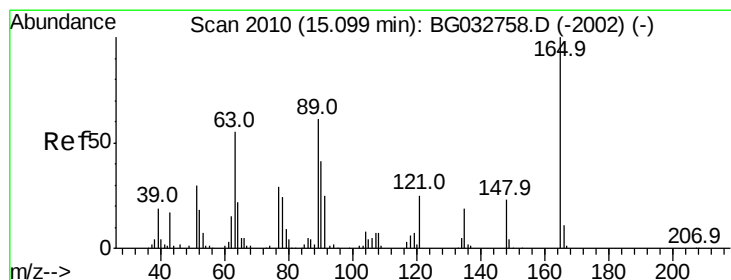
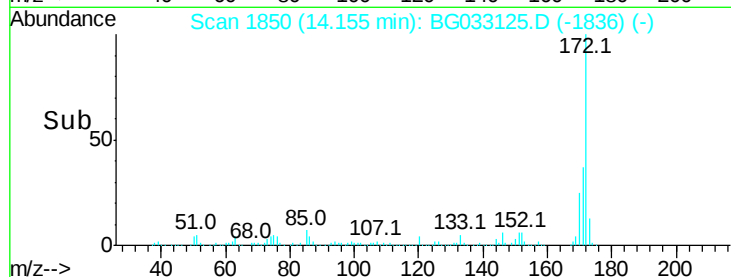
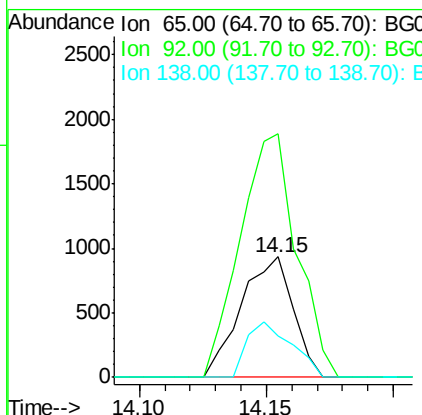
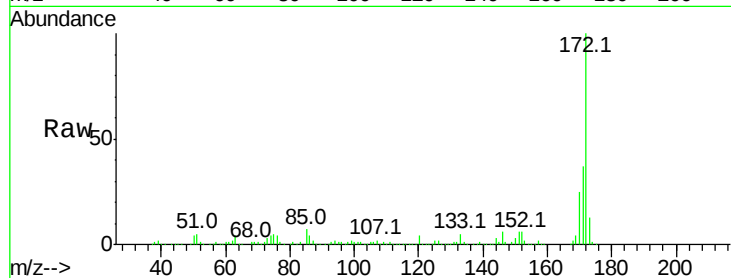




#47
2-Nitroaniline
Concen: 10.422 ng
RT: 14.15 min Scan# 1850
Delta R.T. -0.45 min
Lab File: BG033125.D
Acq: 13 Mar 2018 18:57

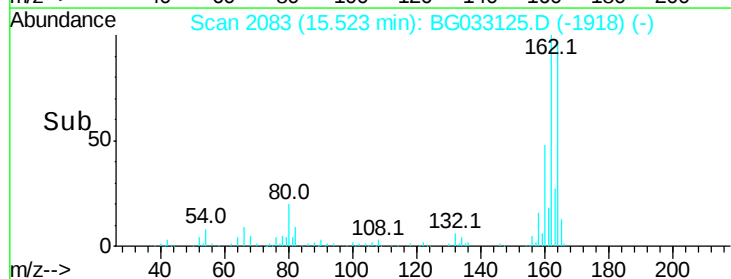
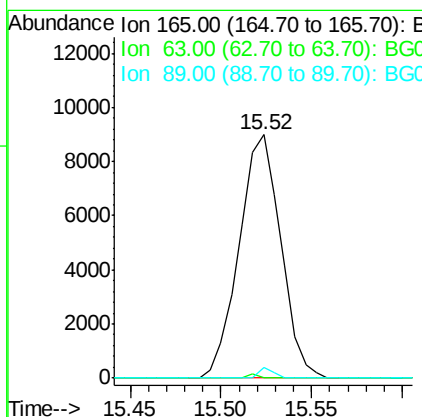
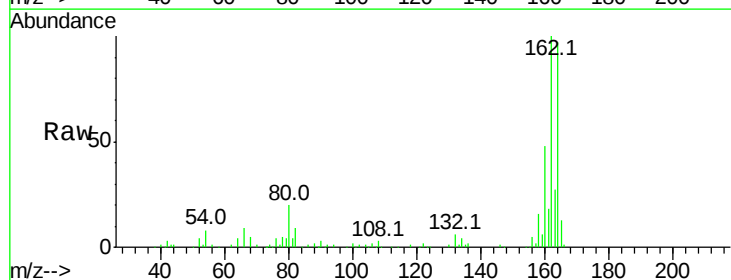
Instrument :
BNA_G
ClientSampleId :

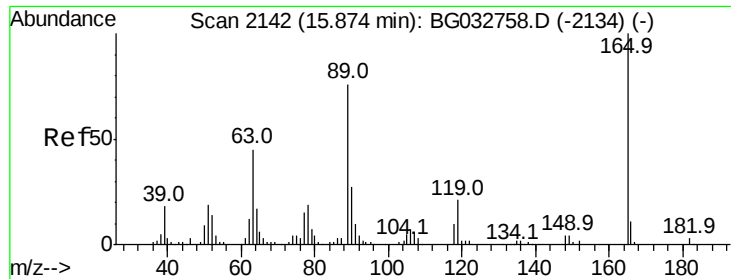
Tot Ion: 65 Resp: 1324
Ion Ratio Lower Upper
65 100
92 202.7 54.6 82.0#
138 34.3 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.560 ng
RT: 15.52 min Scan# 2083
Delta R.T. 0.44 min
Lab File: BG033125.D
Acq: 13 Mar 2018 18:57

Tgt Ion:165 Resp: 14415
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 4.3 49.2 73.8#

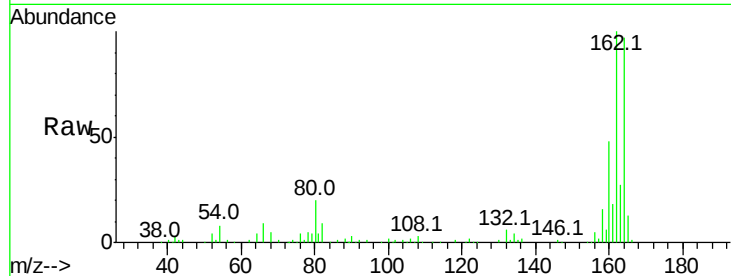




#56
 2,4-Dinitrotoluene
 Concen: 14.759 ng
 RT: 15.52 min Scan# 2083
 Delta R.T. -0.34 min
 Lab File: BG033125.D
 Acq: 13 Mar 2018 18:57

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:	165	Resp:	14415
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	4.3	66.9	100.3#
182	0.0	2.6	3.8#

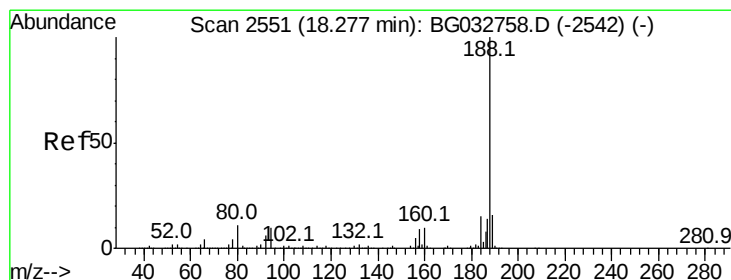
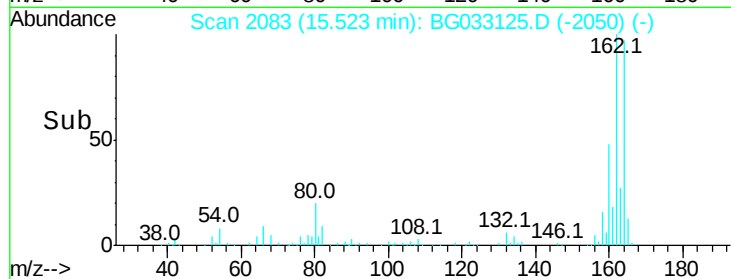
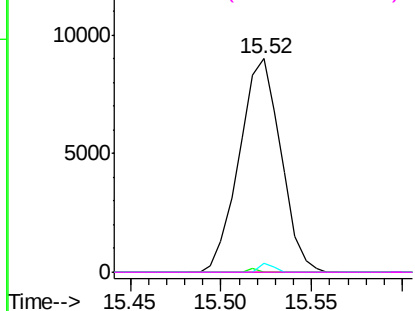


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

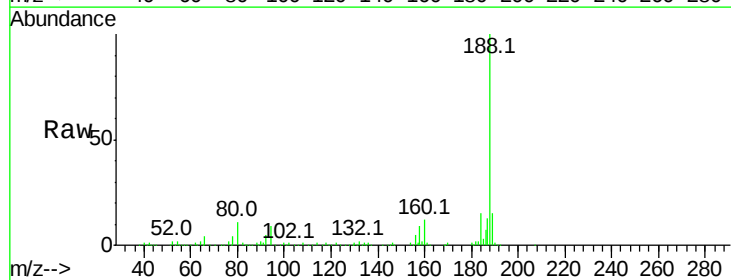
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2547
 Delta R.T. -0.01 min
 Lab File: BG033125.D
 Acq: 13 Mar 2018 18:57

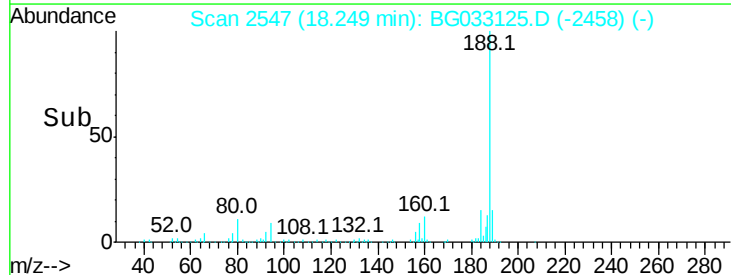
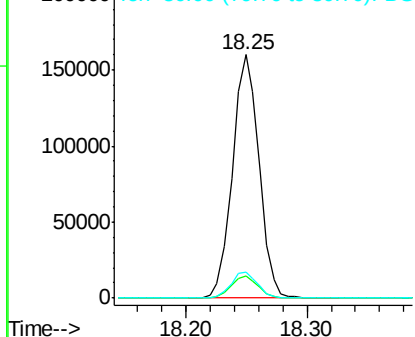
Tgt Ion:	188	Resp:	244672
Ion	Ratio	Lower	Upper
188	100		
94	9.3	6.9	10.3
80	10.9	7.7	11.5

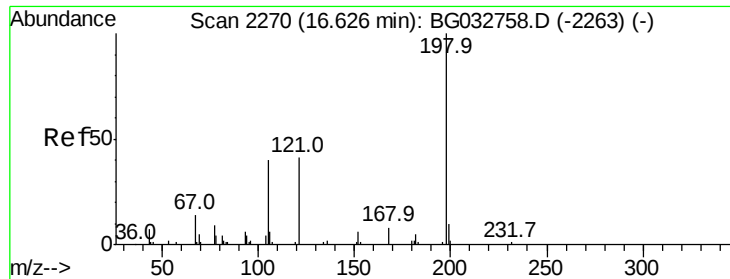


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.754 ng

RT: 16.99 min Scan# 2333

Delta R.T. 0.38 min

Lab File: BG033125.D

Acq: 13 Mar 2018 18:57

Instrument :

BNA_G

ClientSampleId :

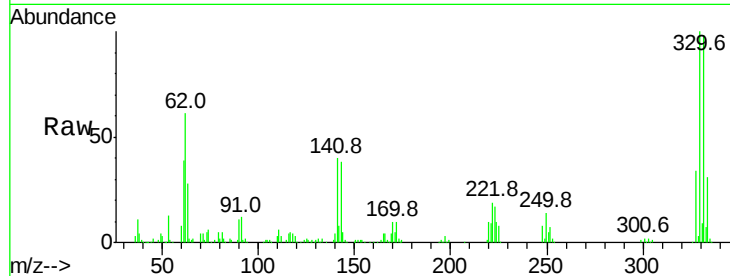
Tot Ion:198 Resp: 464

Ion Ratio Lower Upper

198 100

51 180.4 30.6 70.6#

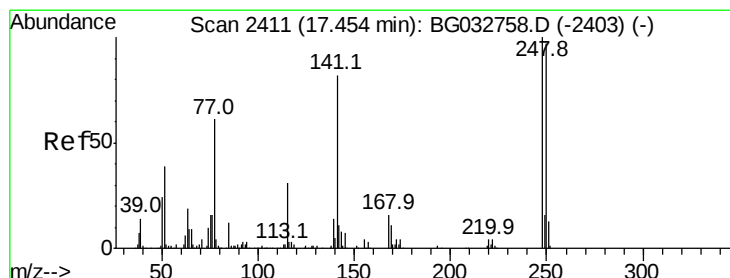
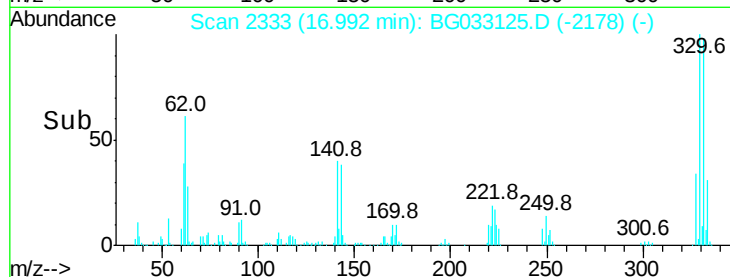
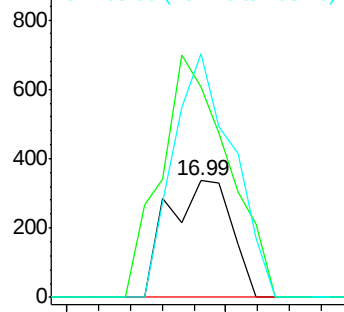
105 208.9 23.8 63.8#



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



#66

4-Bromophenyl-phenylether

Concen: 5.118 ng

RT: 16.99 min Scan# 2333

Delta R.T. -0.44 min

Lab File: BG033125.D

Acq: 13 Mar 2018 18:57

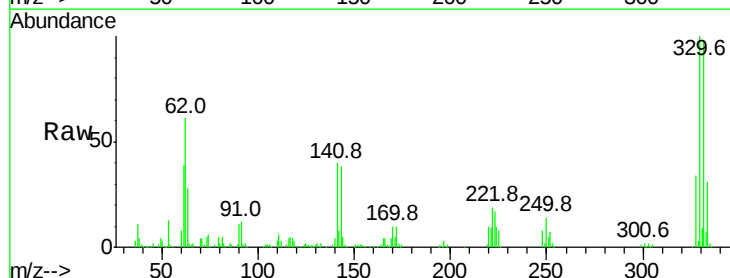
Tgt Ion:248 Resp: 13241

Ion Ratio Lower Upper

248 100

250 187.7 77.1 115.7#

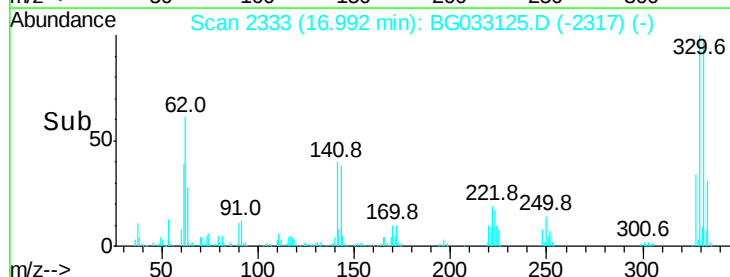
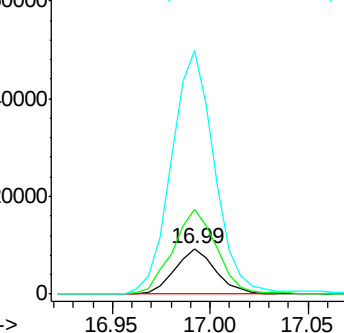
141 536.4 50.8 76.2#

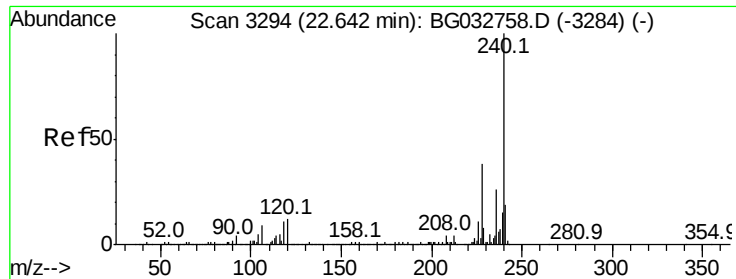


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.60 min Scan# 3288

Delta R.T. -0.01 min

Lab File: BG033125.D

Acq: 13 Mar 2018 18:57

Instrument :

BNA_G

ClientSampled :

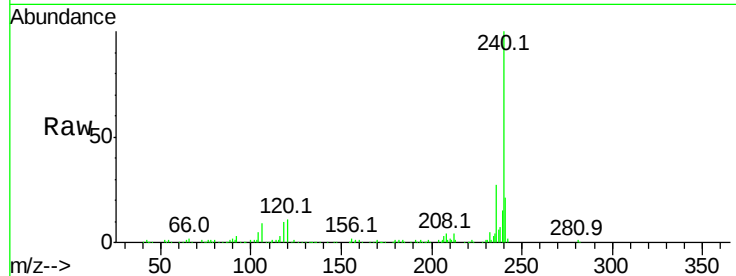
Tot Ion:240 Resp: 243388

Ion Ratio Lower Upper

240 100

120 11.2 6.8 10.2#

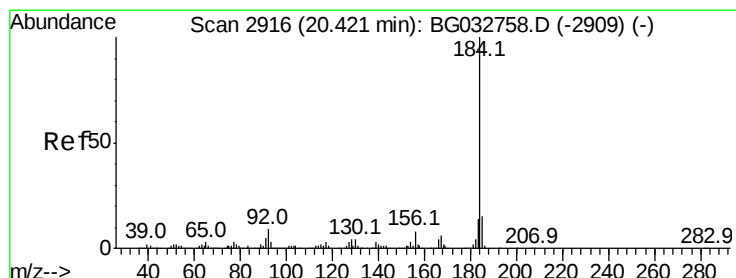
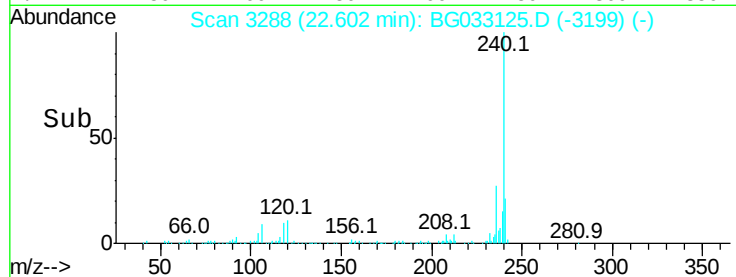
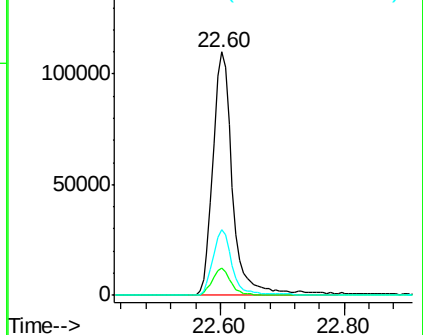
236 27.1 20.9 31.3



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: 2.398 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.36 min

Lab File: BG033125.D

Acq: 13 Mar 2018 18:57

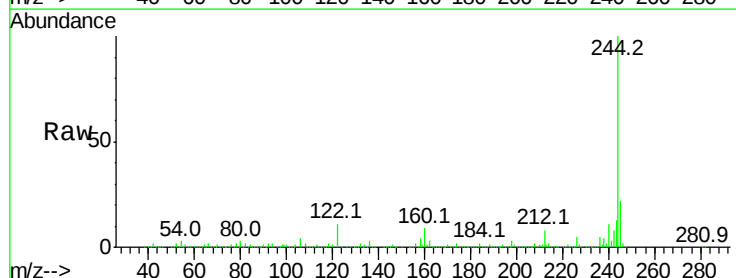
Tgt Ion:184 Resp: 19897

Ion Ratio Lower Upper

184 100

185 14.9 11.1 16.7

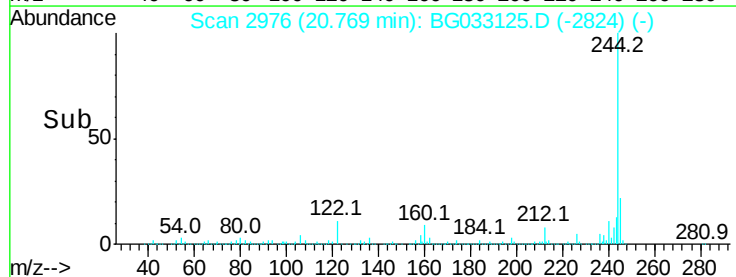
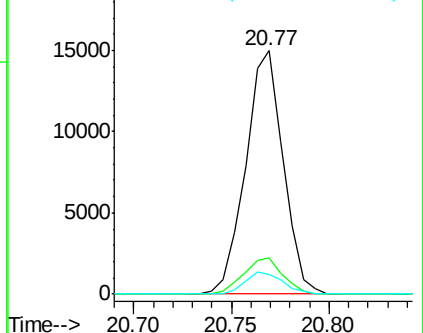
183 7.8 10.6 16.0#

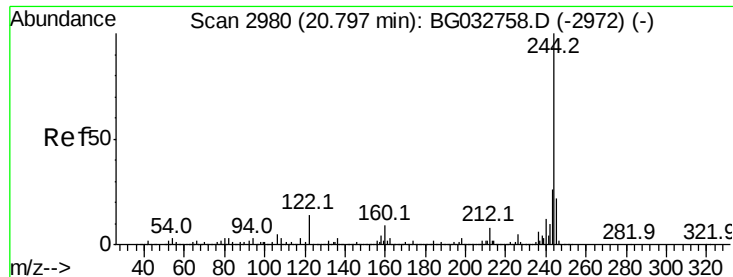


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 105.864 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG033125.D

Acq: 13 Mar 2018 18:57

Instrument :

BNA_G

ClientSampleId :

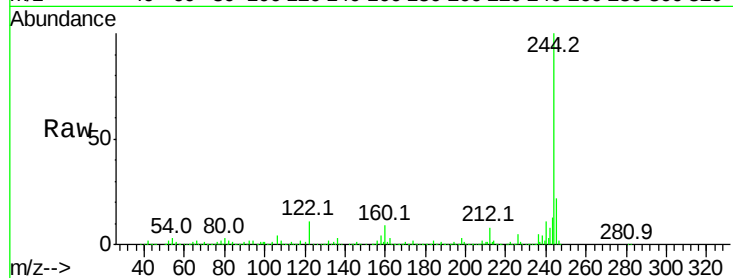
Tot Ion:244 Resp: 1146826

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

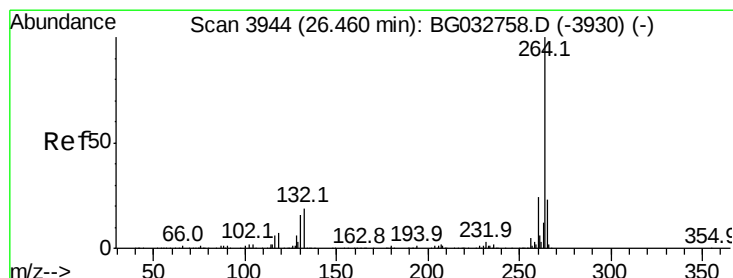
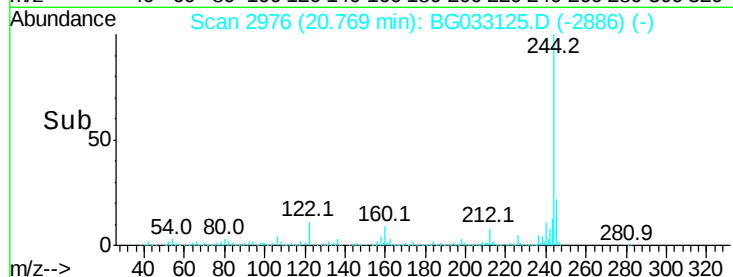
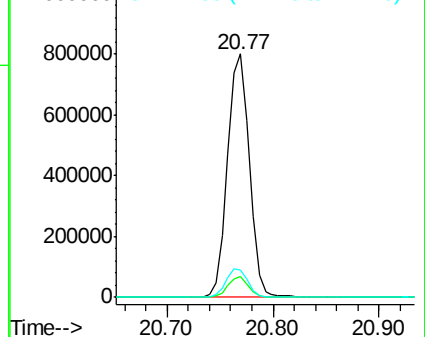
122 11.4 7.0 10.4#



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: 26.40 min Scan# 3935

Delta R.T. -0.01 min

Lab File: BG033125.D

Acq: 13 Mar 2018 18:57

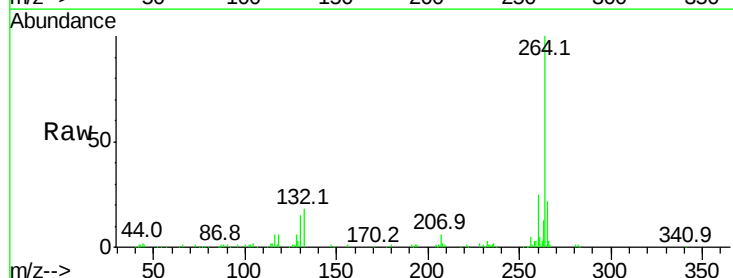
Tgt Ion:264 Resp: 197168

Ion Ratio Lower Upper

264 100

260 24.9 17.4 26.0

265 22.4 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

