

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033151.D
 Acq On : 14 Mar 2018 17:46
 Operator : SJ/JU
 Sample : J1893-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 15 03:10:45 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

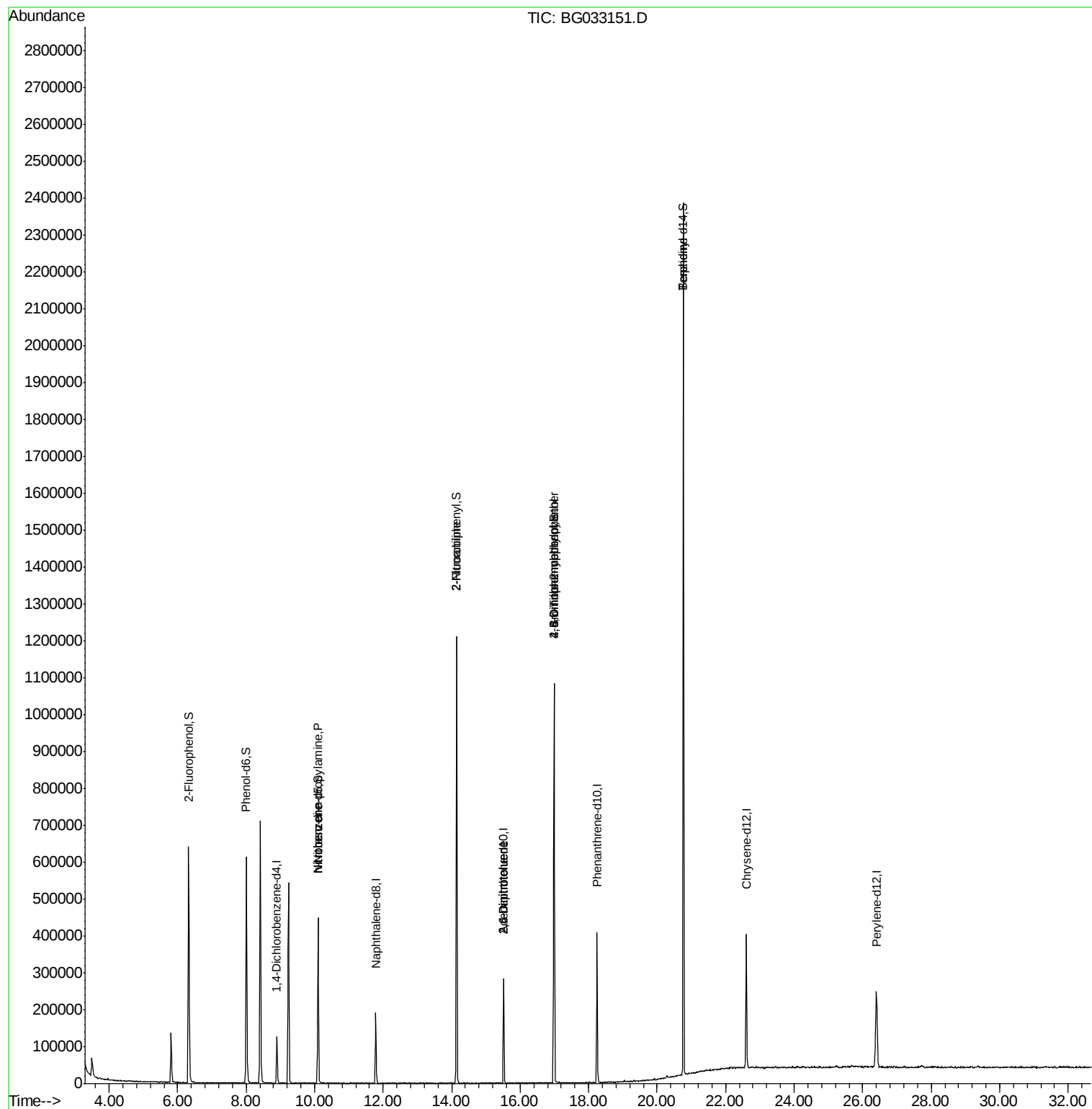
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	37837	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	165190	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	96516	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	248497	20.00	ng	0.00
75) Chrysene-d12	22.60	240	232554	20.00	ng	0.00
86) Perylene-d12	26.41	264	246773	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	308665	130.51	ng	0.00
7) Phenol-d6	8.01	99	376782	114.30	ng	0.00
23) Nitrobenzene-d5	10.10	82	280399	113.97	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	213531	210.41	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	620453	92.72	ng	0.00
78) Terphenyl-d14	20.77	244	1082772	104.61	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.10	70	37174	15.973	ng	# 85
24) Nitrobenzene	10.09	77	699	6.610	ng	# 18
47) 2-Nitroaniline	14.15	65	1043	10.358	ng	# 1
50) 2,6-Dinitrotoluene	15.51	165	12233	16.245	ng	# 20
56) 2,4-Dinitrotoluene	15.51	165	12233	14.442	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.99	198	616	6.000	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	14222	5.413	ng	# 1
76) Benzidine	20.77	184	18065	2.279	ng	# 91

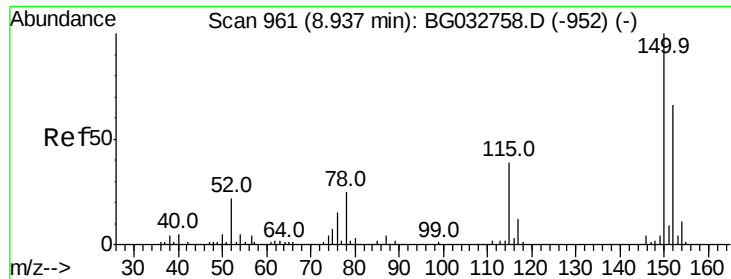
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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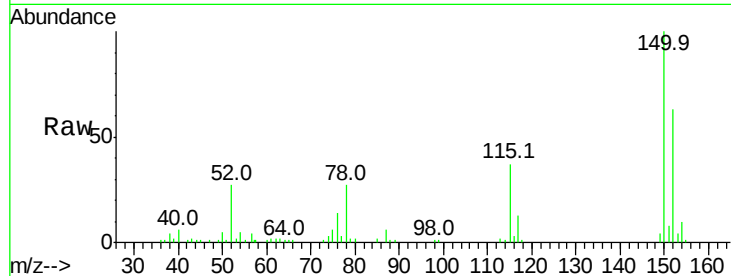


#1

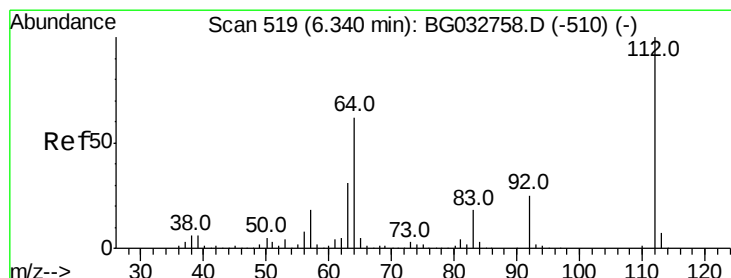
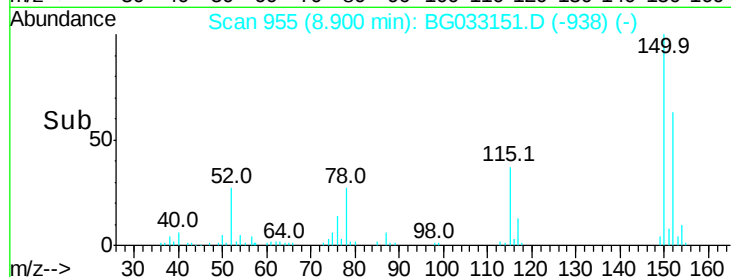
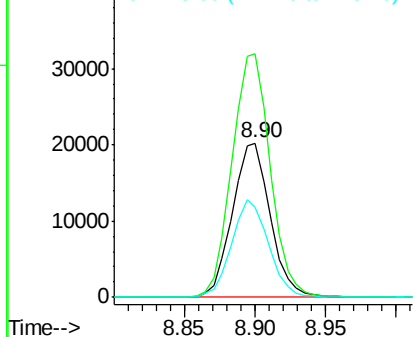
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. 0.00 min
Lab File: BG033151.D
Acq: 14 Mar 2018 17:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 37837
Ion Ratio Lower Upper
152 100
150 157.7 126.6 189.8
115 58.5 53.0 79.4



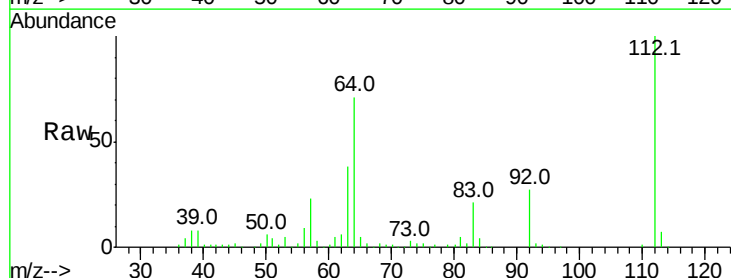
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



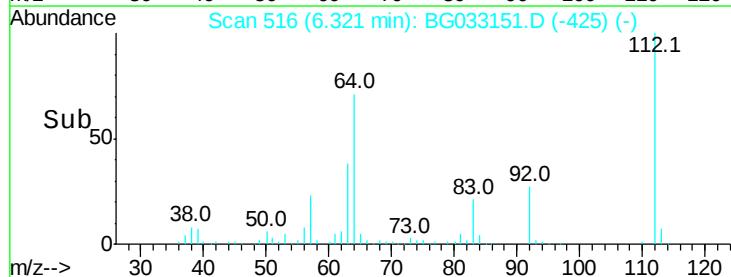
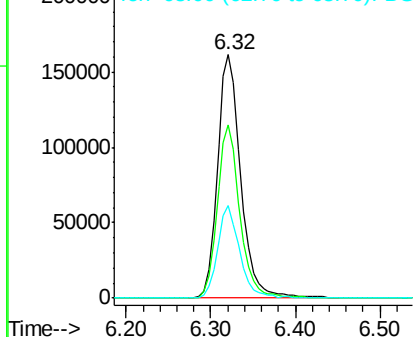
#5

2-Fluorophenol
Concen: 130.512 ng
RT: 6.32 min Scan# 516
Delta R.T. 0.00 min
Lab File: BG033151.D
Acq: 14 Mar 2018 17:46

Tgt Ion:112 Resp: 308665
Ion Ratio Lower Upper
112 100
64 71.3 56.3 84.5
63 38.0 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: 114.297 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033151.D

Acq: 14 Mar 2018 17:46

Instrument :

BNA_G

ClientSampled :

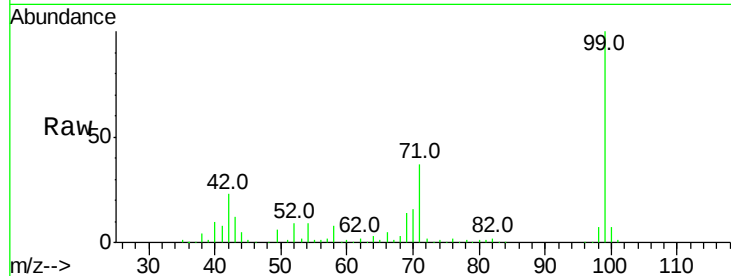
Tot Ion: 99 Resp: 376782

Ion Ratio Lower Upper

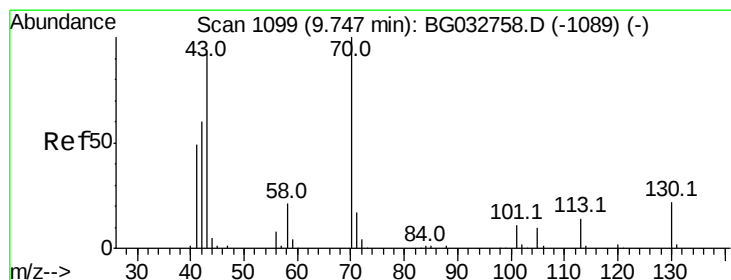
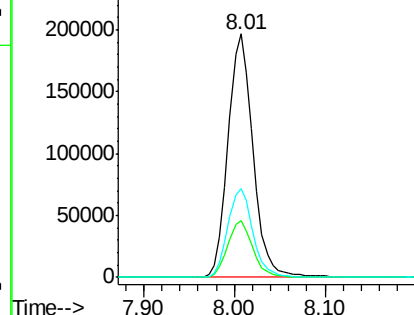
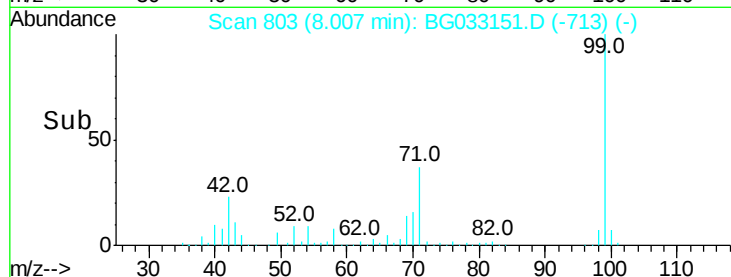
99 100

42 23.3 14.1 21.1#

71 36.5 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: 15.973 ng

RT: 10.10 min Scan# 1159

Delta R.T. 0.38 min

Lab File: BG033151.D

Acq: 14 Mar 2018 17:46

Tgt Ion: 70 Resp: 37174

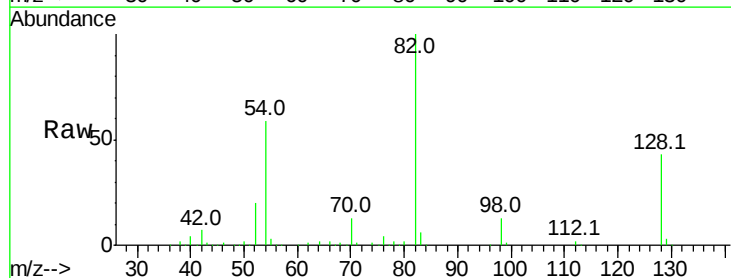
Ion Ratio Lower Upper

70 100

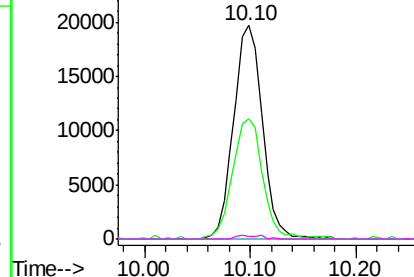
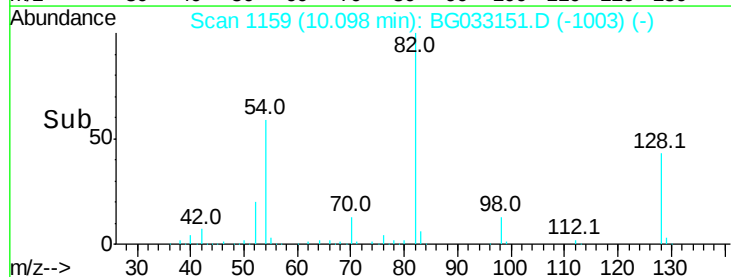
42 56.4 49.1 73.7

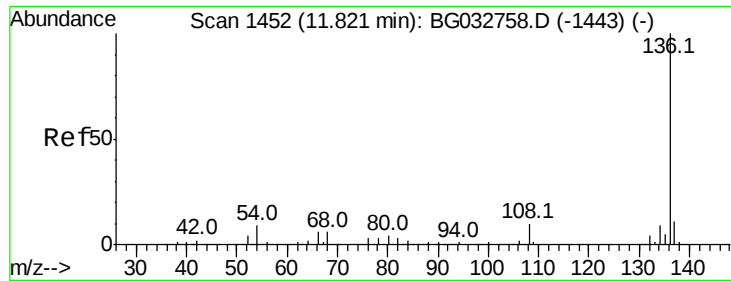
101 0.0 8.5 12.7#

130 1.4 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

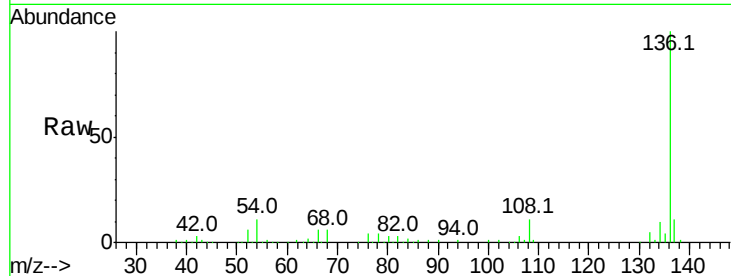




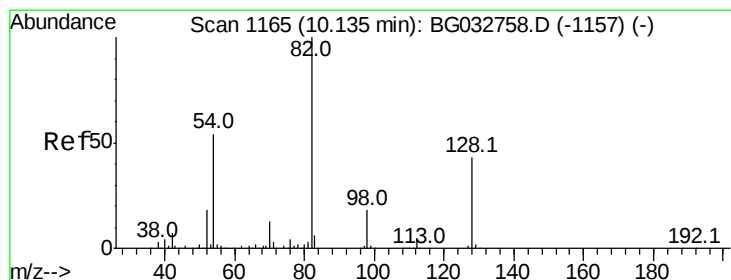
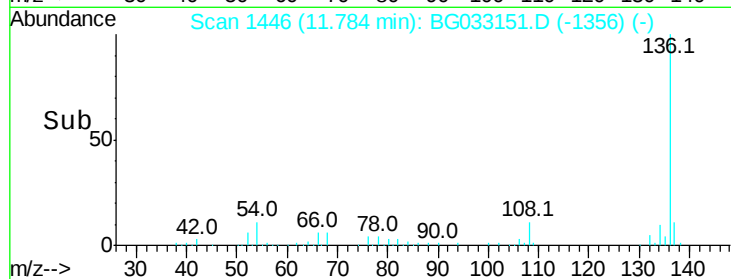
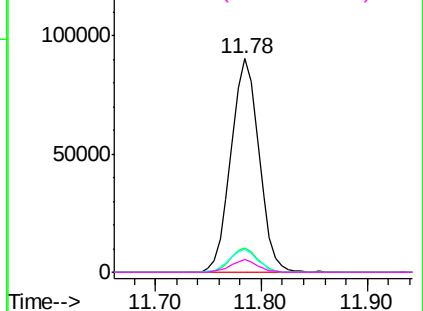
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BG033151.D
Acq: 14 Mar 2018 17:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	165190
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	10.6	10.3	15.5
68	6.1	4.5	6.7

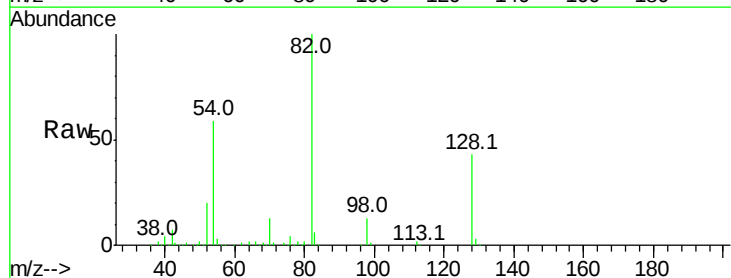


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

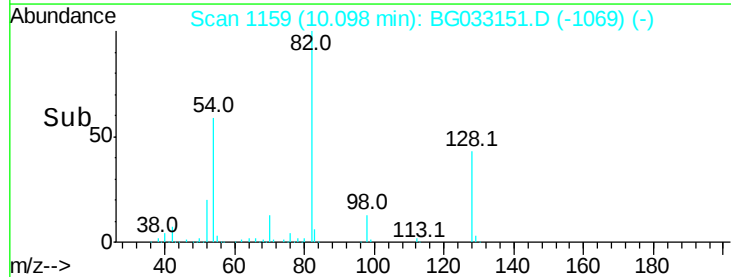
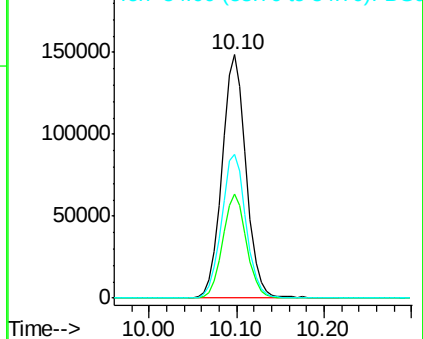


#23
Nitrobenzene-d5
Concen: 113.969 ng
RT: 10.10 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BG033151.D
Acq: 14 Mar 2018 17:46

Tgt Ion:	82	Resp:	280399
Ion	Ratio	Lower	Upper
82	100		
128	42.6	29.7	44.5
54	59.2	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B





#24

Nitrobenzene

Concen: 6.610 ng

RT: 10.09 min Scan# 1158

Delta R.T. -0.05 min

Lab File: BG033151.D

Acq: 14 Mar 2018 17:46

Instrument :

BNA_G

ClientSampleId :

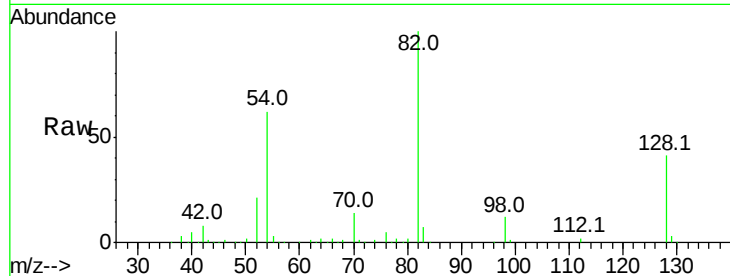
Tot Ion: 77 Resp: 699

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

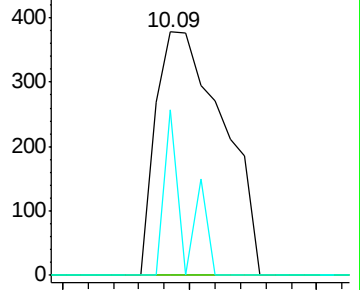
65 68.3 13.0 19.6#



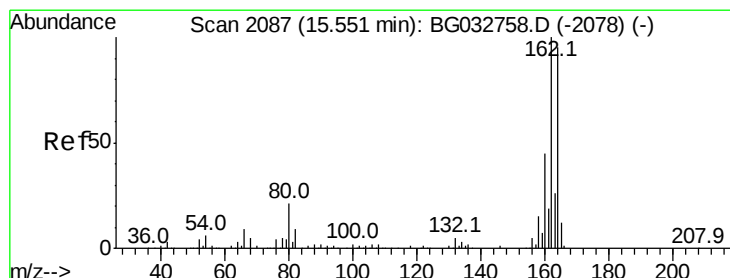
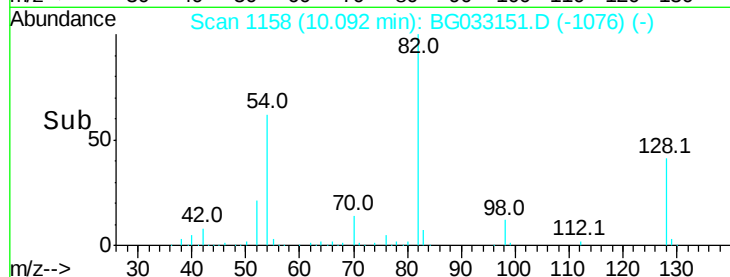
Abundance Ion 77.00 (76.70 to 77.70): BG033151.D (-1076) (-)

Ion 123.00 (122.70 to 123.70): BG033151.D (-1076) (-)

Ion 65.00 (64.70 to 65.70): BG033151.D (-1076) (-)



Time--> 10.05 10.10 10.15



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033151.D

Acq: 14 Mar 2018 17:46

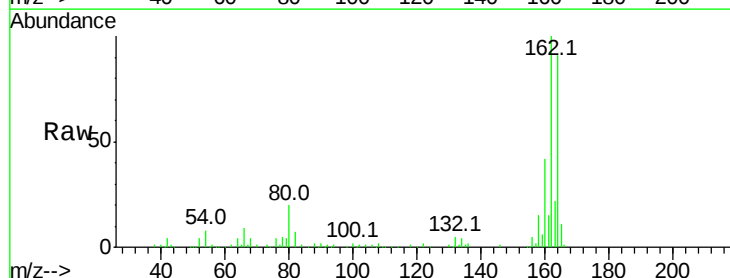
Tgt Ion: 164 Resp: 96516

Ion Ratio Lower Upper

164 100

162 110.3 78.8 118.2

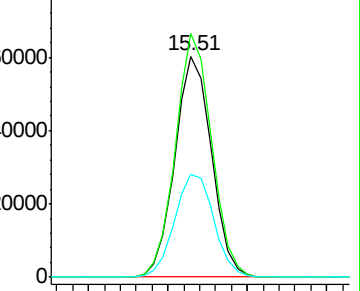
160 46.3 35.4 53.0



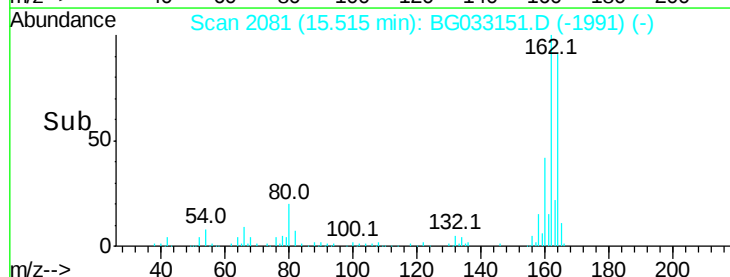
Abundance Ion 164.00 (163.70 to 164.70): BG033151.D (-1991) (-)

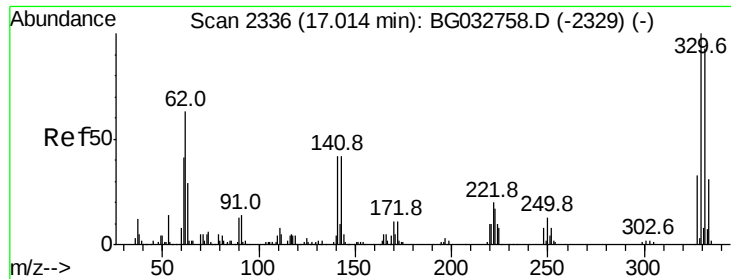
Ion 162.00 (161.70 to 162.70): BG033151.D (-1991) (-)

Ion 160.00 (159.70 to 160.70): BG033151.D (-1991) (-)



Time--> 15.45 15.50 15.55

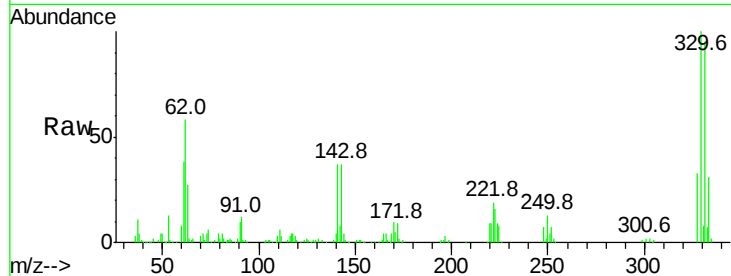




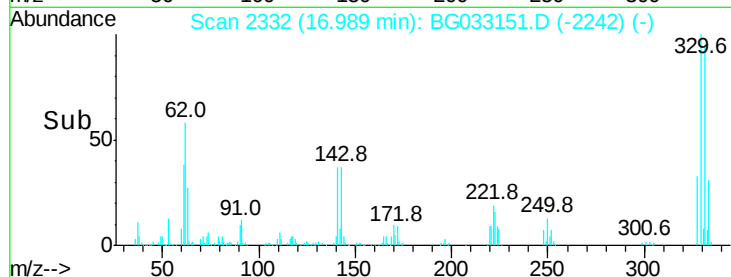
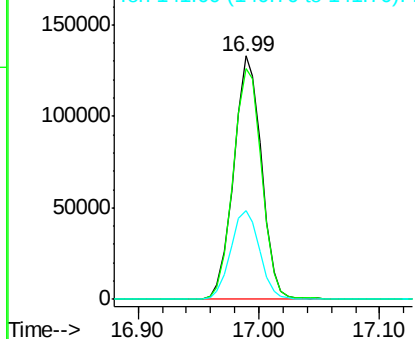
#41
 2,4,6-Tribromophenol
 Concen: 210.410 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: BG033151.D
 Acq: 14 Mar 2018 17:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 213531
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.0 115.6
 141 38.0 25.2 37.8#

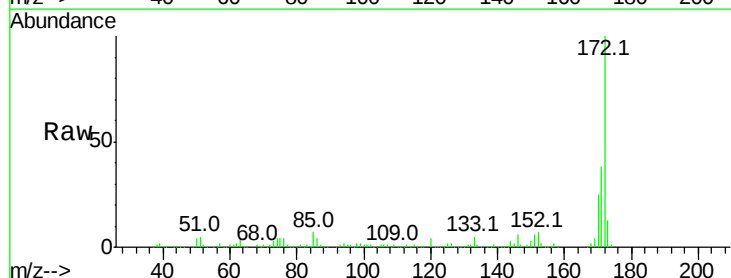


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

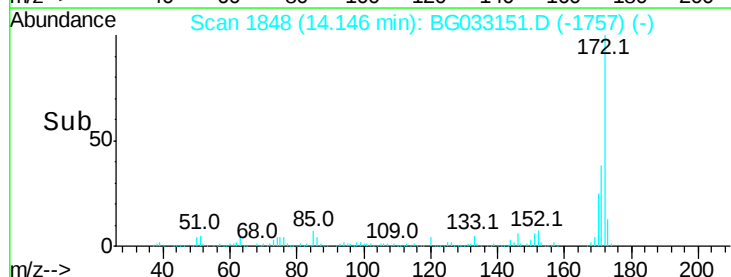
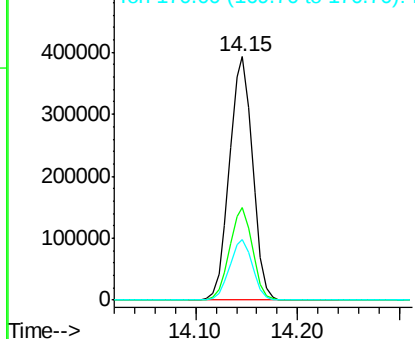


#44
 2-Fluorobiphenyl
 Concen: 92.715 ng
 RT: 14.15 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BG033151.D
 Acq: 14 Mar 2018 17:46

Tgt Ion:172 Resp: 620453
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.0 45.0
 170 24.8 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

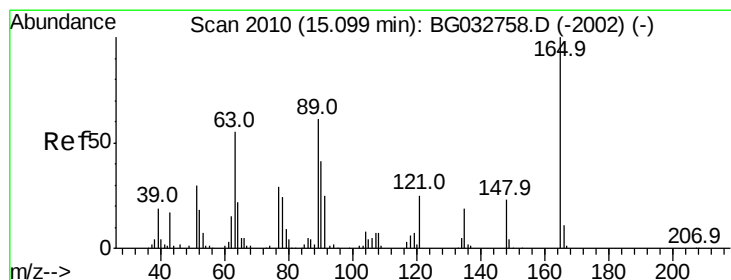
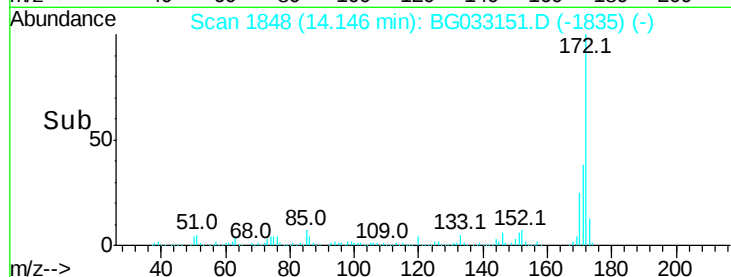
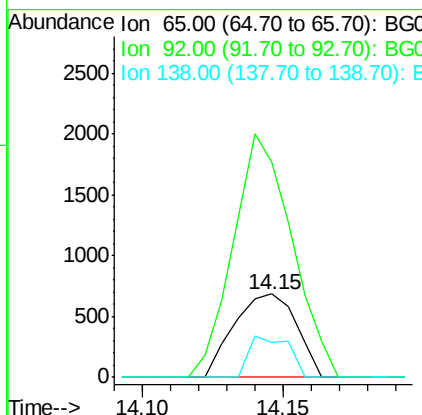
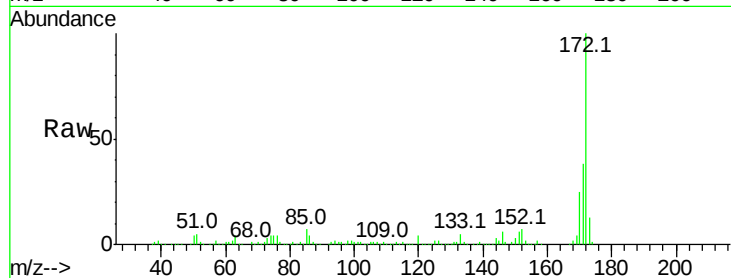




#47
2-Nitroaniline
Concen: 10.358 ng
RT: 14.15 min Scan# 1848
Delta R.T. -0.46 min
Lab File: BG033151.D
Acq: 14 Mar 2018 17:46

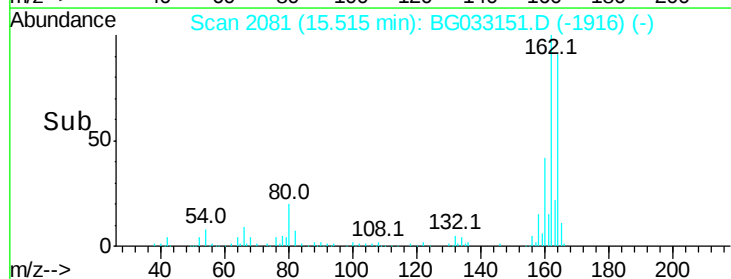
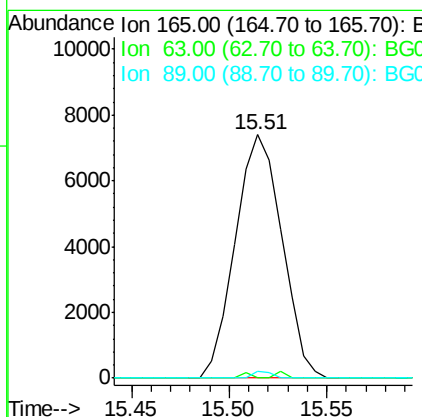
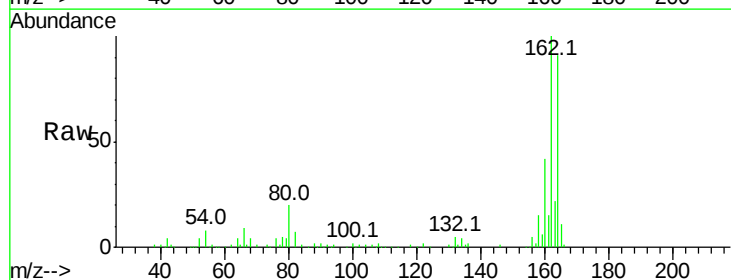
Instrument :
BNA_G
ClientSampled :

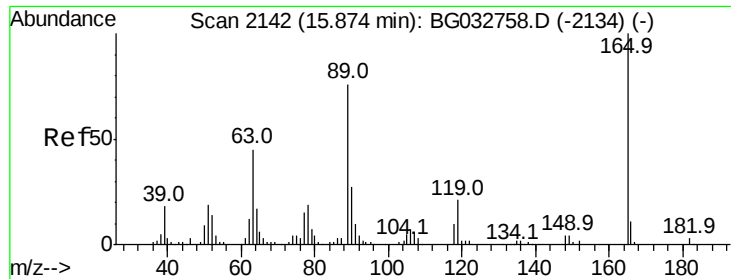
Tot Ion: 65 Resp: 1043
Ion Ratio Lower Upper
65 100
92 257.4 54.6 82.0#
138 42.6 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.245 ng
RT: 15.51 min Scan# 2081
Delta R.T. 0.44 min
Lab File: BG033151.D
Acq: 14 Mar 2018 17:46

Tgt Ion:165 Resp: 12233
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 2.7 49.2 73.8#

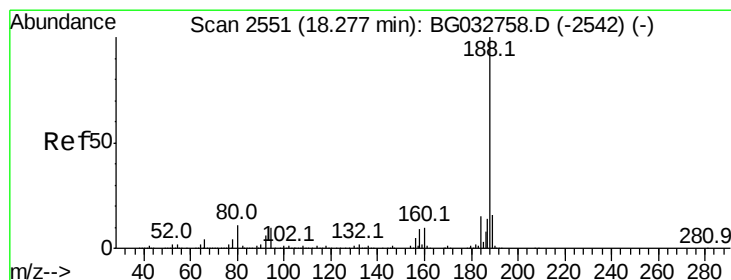
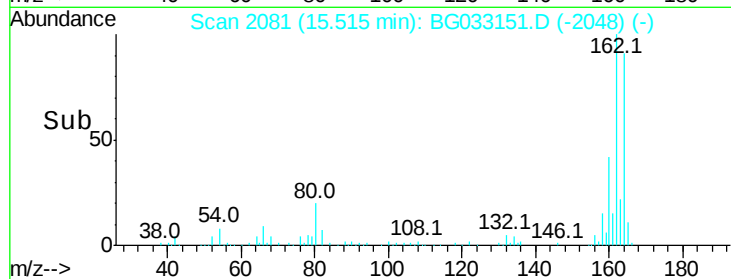
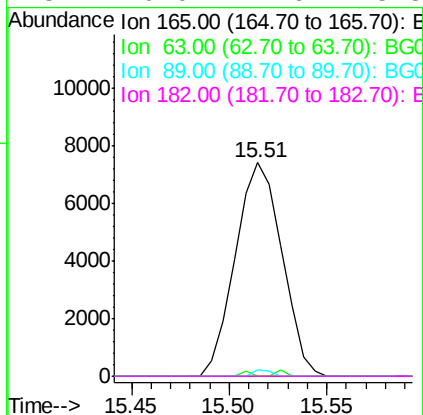
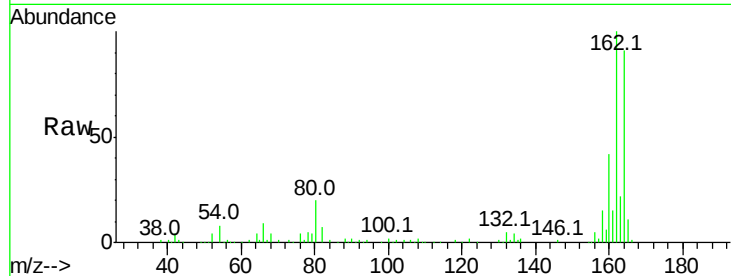




#56
 2,4-Dinitrotoluene
 Concen: 14.442 ng
 RT: 15.51 min Scan# 2081
 Delta R.T. -0.34 min
 Lab File: BG033151.D
 Acq: 14 Mar 2018 17:46

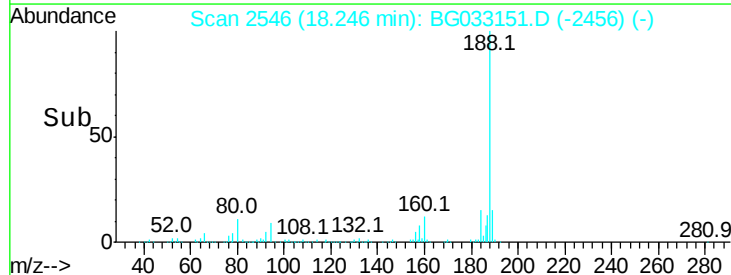
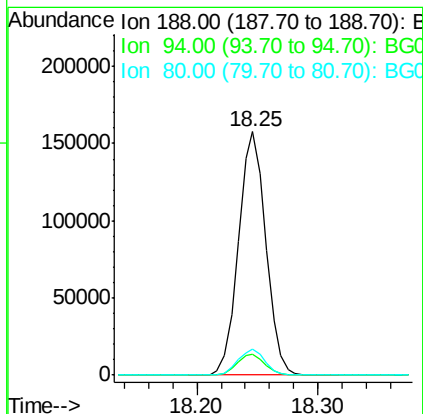
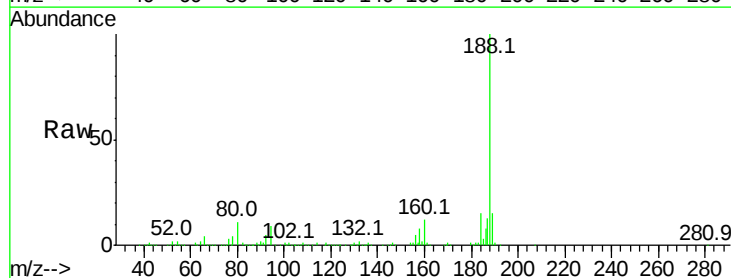
Instrument :
 BNA_G
 ClientSampleId :

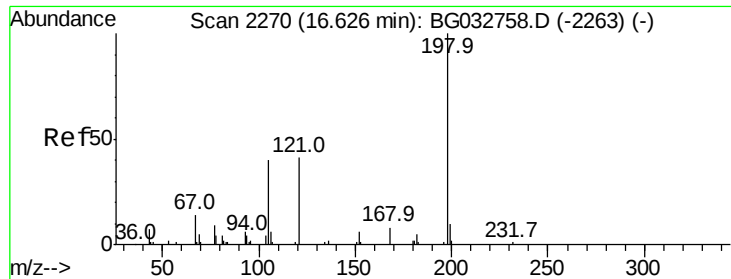
Tot Ion:	165	Resp:	12233
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.7	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2546
 Delta R.T. -0.00 min
 Lab File: BG033151.D
 Acq: 14 Mar 2018 17:46

Tgt Ion:	188	Resp:	248497
Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.9	10.3
80	10.8	7.7	11.5





#64

4,6-Dinitro-2-methylphenol

Concen: 6.000 ng

RT: 16.99 min Scan# 2332

Delta R.T. 0.38 min

Lab File: BG033151.D

Acq: 14 Mar 2018 17:46

Instrument :

BNA_G

ClientSampleId :

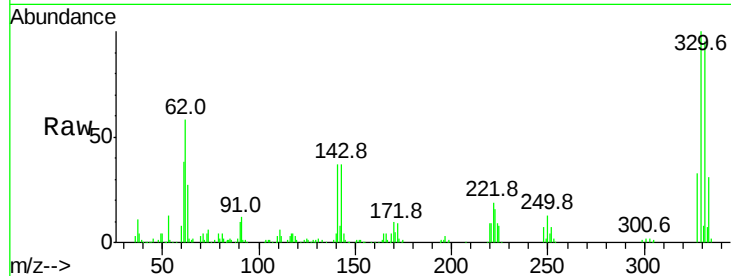
Tot Ion:198 Resp: 616

Ion Ratio Lower Upper

198 100

51 143.2 30.6 70.6#

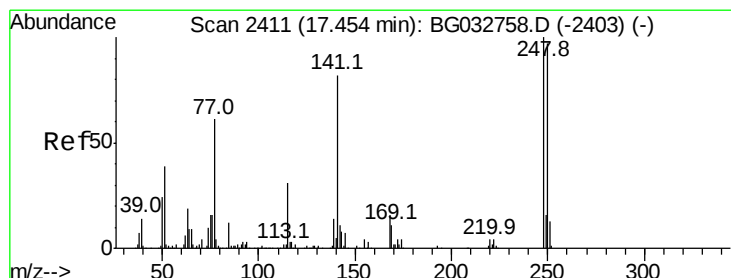
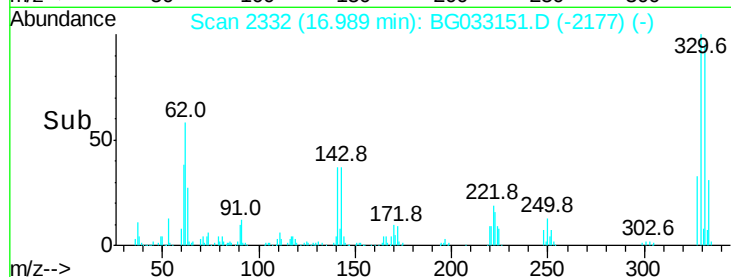
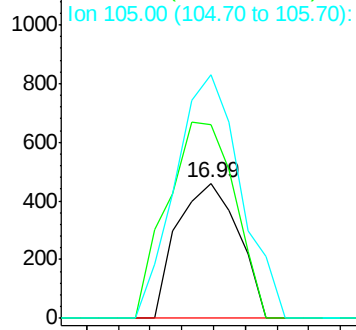
105 180.0 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 5.413 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.43 min

Lab File: BG033151.D

Acq: 14 Mar 2018 17:46

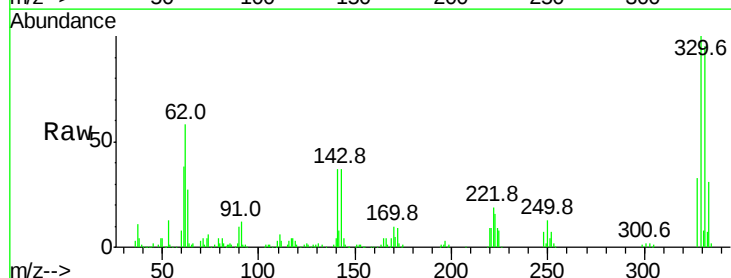
Tgt Ion:248 Resp: 14222

Ion Ratio Lower Upper

248 100

250 201.6 77.1 115.7#

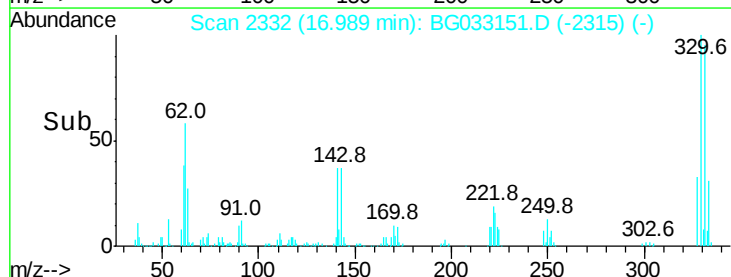
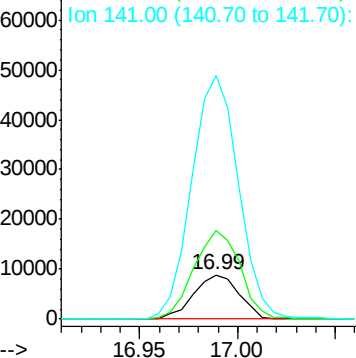
141 554.1 50.8 76.2#

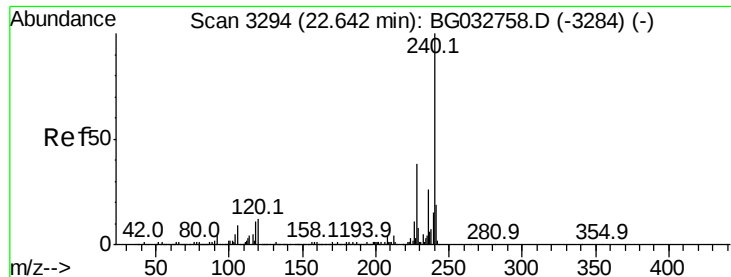


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.00 min

Lab File: BG033151.D

Acq: 14 Mar 2018 17:46

Instrument :

BNA_G

ClientSampleId :

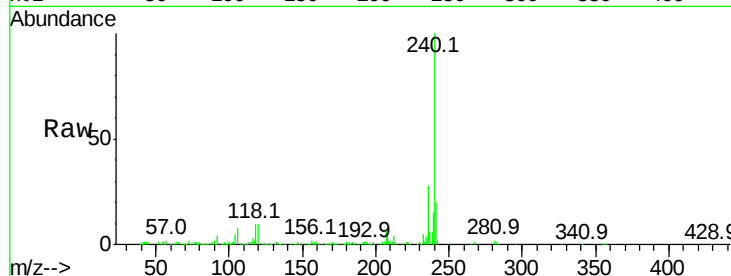
Tot Ion:240 Resp: 232554

Ion Ratio Lower Upper

240 100

120 10.0 6.8 10.2

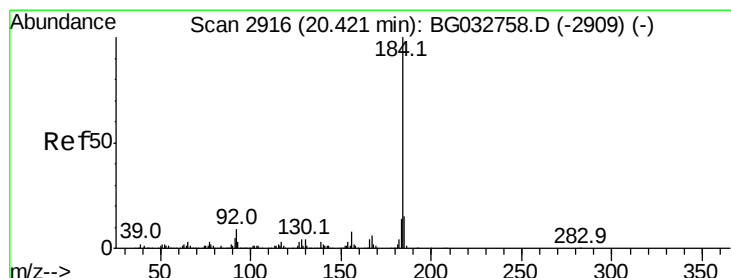
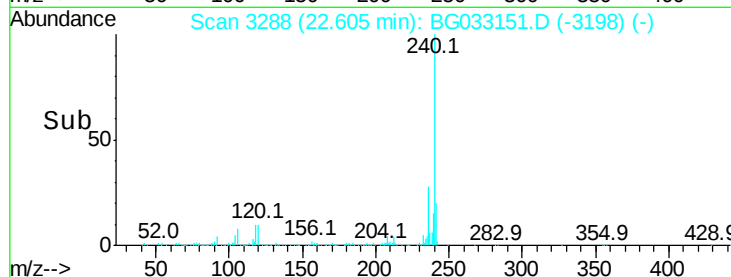
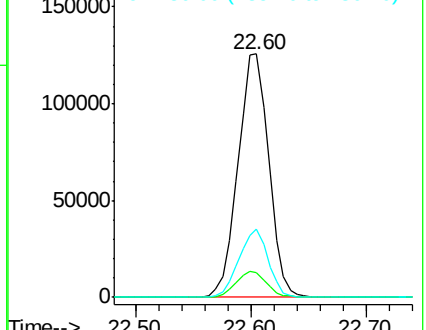
236 28.1 20.9 31.3



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: 2.279 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.37 min

Lab File: BG033151.D

Acq: 14 Mar 2018 17:46

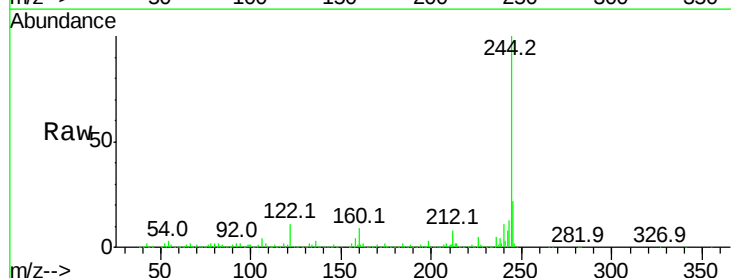
Tgt Ion:184 Resp: 18065

Ion Ratio Lower Upper

184 100

185 17.7 11.1 16.7#

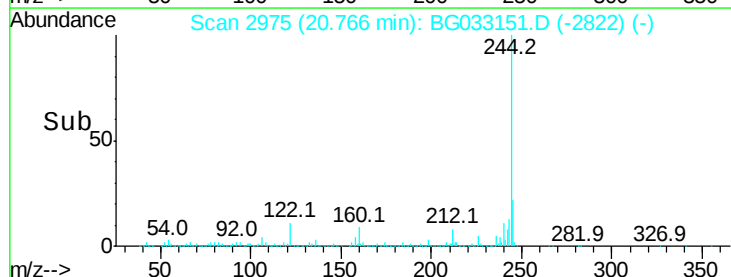
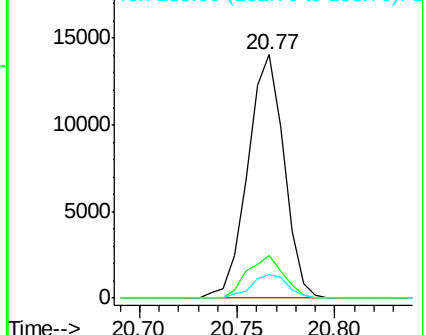
183 9.9 10.6 16.0#

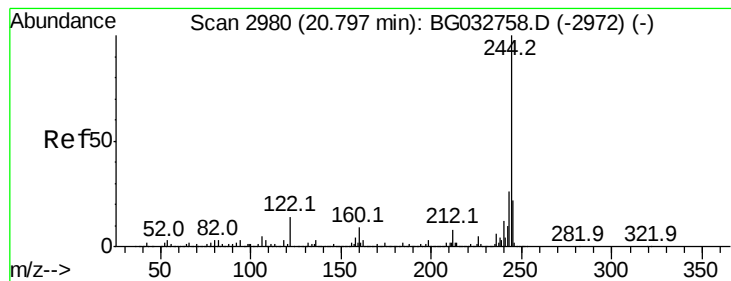


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 104.608 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BG033151.D

Acq: 14 Mar 2018 17:46

Instrument :

BNA_G

ClientSampleId :

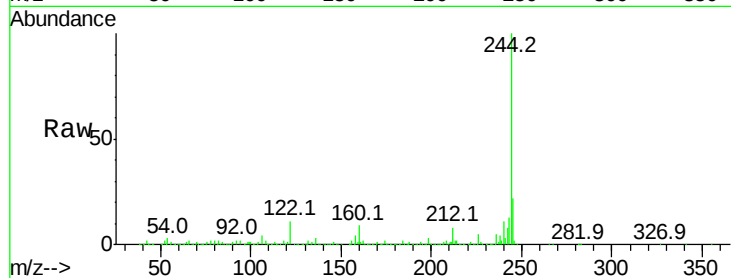
Tot Ion:244 Resp: 1082772

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

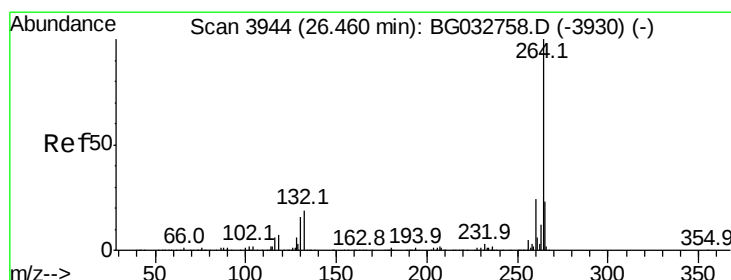
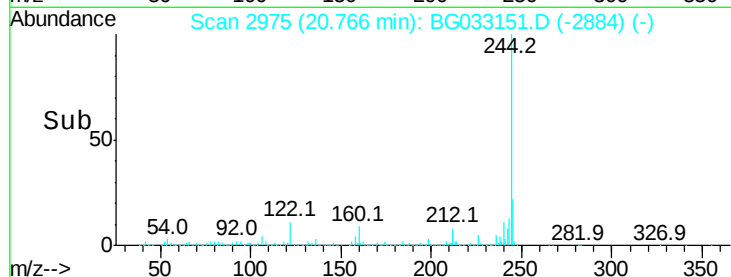
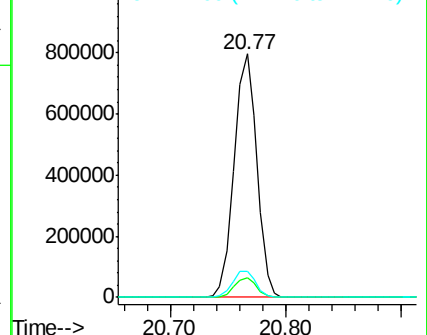
122 10.8 7.0 10.4#



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: 26.41 min Scan# 3935

Delta R.T. -0.00 min

Lab File: BG033151.D

Acq: 14 Mar 2018 17:46

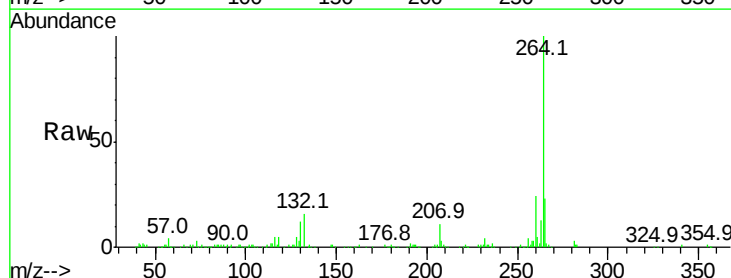
Tgt Ion:264 Resp: 246773

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.0

265 22.8 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

