

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033158.D
 Acq On : 14 Mar 2018 22:10
 Operator : SJ/JU
 Sample : PB107354BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 15 03:13:12 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

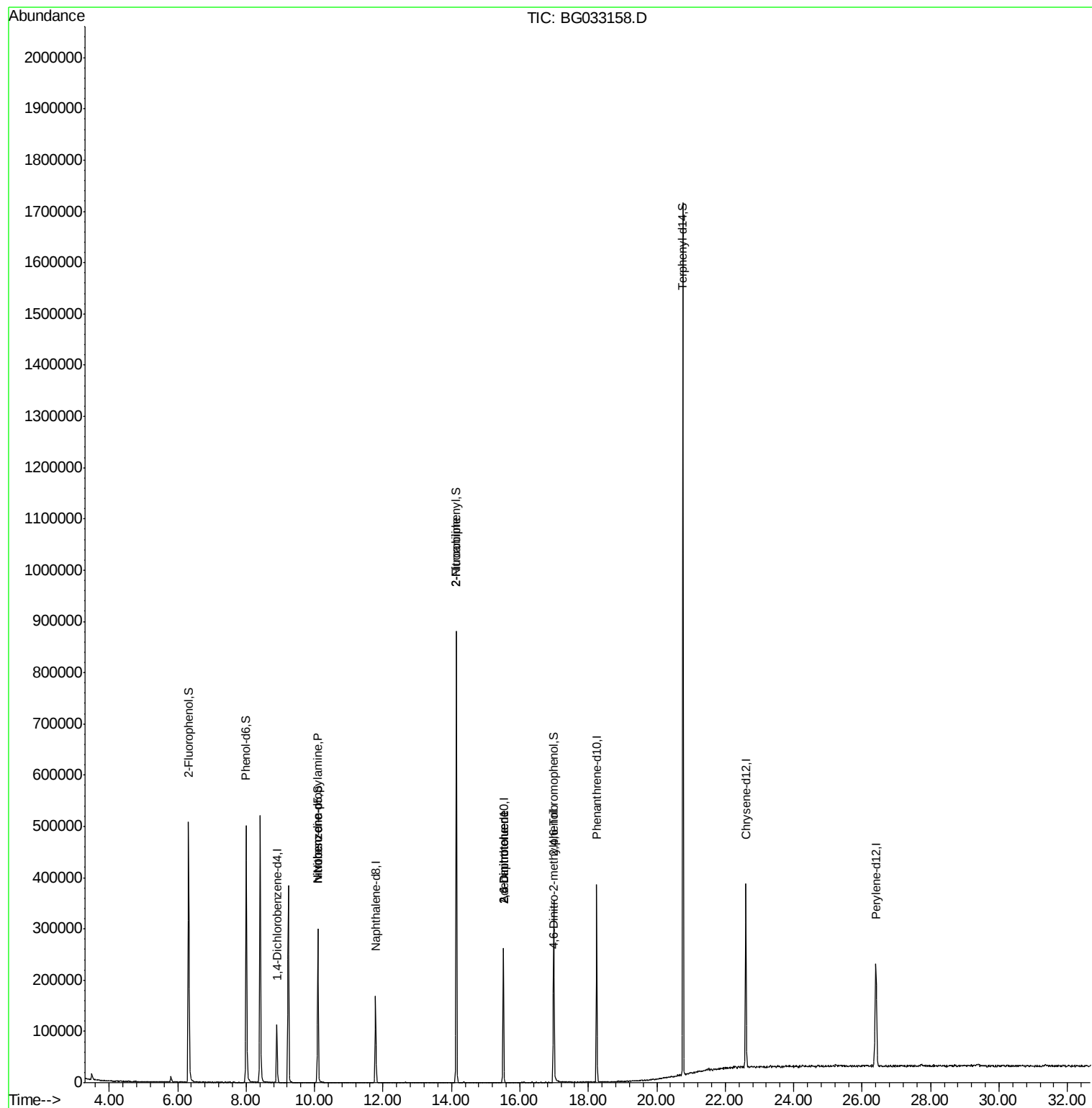
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	36316	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	157609	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	92627	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	235714	20.00	ng	0.00
75) Chrysene-d12	22.60	240	232424	20.00	ng	0.00
86) Perylene-d12	26.40	264	241668	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	254761	112.23	ng	0.00
7) Phenol-d6	8.00	99	324971	102.71	ng	0.00
23) Nitrobenzene-d5	10.10	82	192438	84.76	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	74512	76.51	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	450459	70.14	ng	0.00
78) Terphenyl-d14	20.76	244	819313	79.20	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.10	70	25558	11.442	ng	# 88
24) Nitrobenzene	10.09	77	575	6.579	ng	# 42
47) 2-Nitroaniline	14.14	65	871	10.290	ng	# 16
50) 2,6-Dinitrotoluene	15.51	165	11879	16.332	ng	# 18
56) 2,4-Dinitrotoluene	15.51	165	11879	14.529	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.97	198	53	5.043	ng	# 29

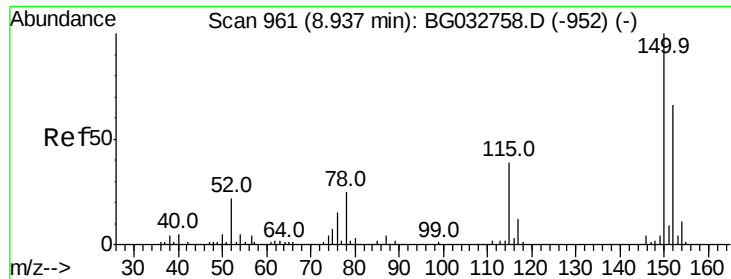
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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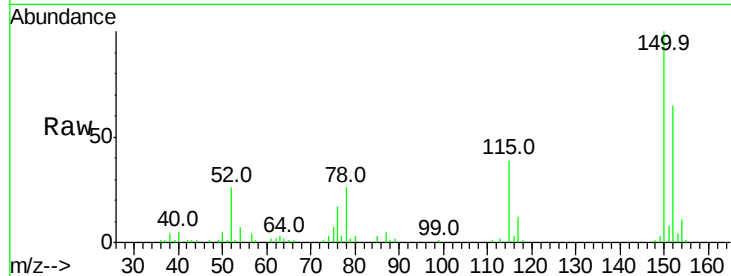


#1

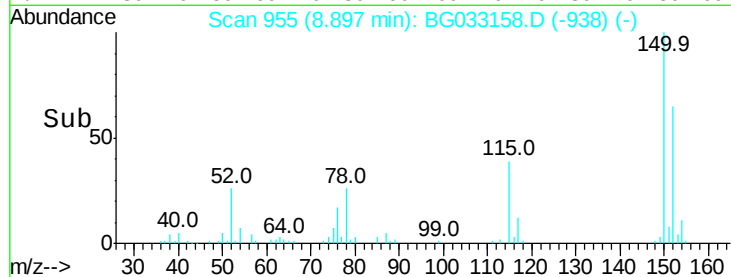
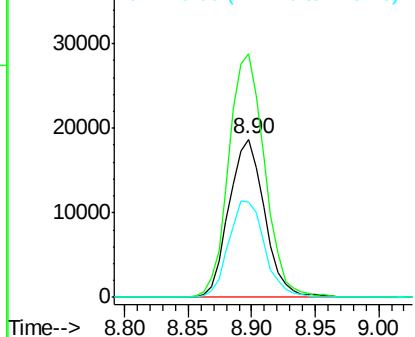
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. -0.00 min
Lab File: BG033158.D
Acq: 14 Mar 2018 22:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 36316
Ion Ratio Lower Upper
152 100
150 154.2 126.6 189.8
115 60.3 53.0 79.4



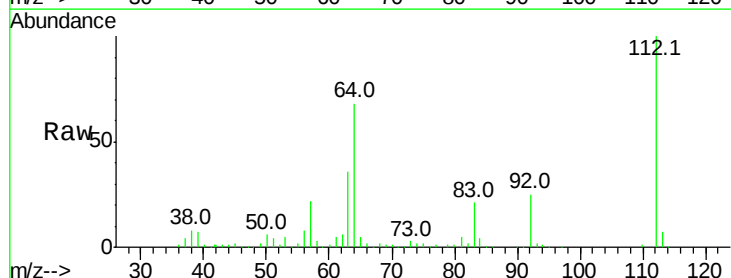
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



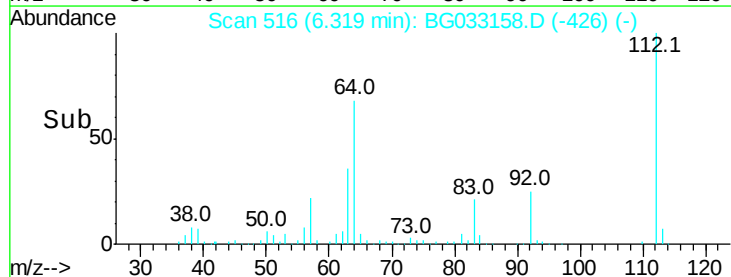
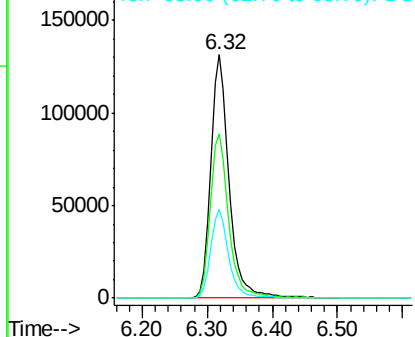
#5

2-Fluorophenol
Concen: 112.232 ng
RT: 6.32 min Scan# 516
Delta R.T. -0.00 min
Lab File: BG033158.D
Acq: 14 Mar 2018 22:10

Tgt Ion:112 Resp: 254761
Ion Ratio Lower Upper
112 100
64 67.5 56.3 84.5
63 36.4 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: 102.709 ng

RT: 8.00 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG033158.D

Acq: 14 Mar 2018 22:10

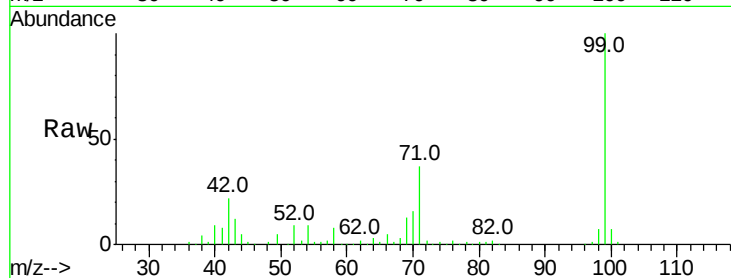
Instrument :

BNA_G

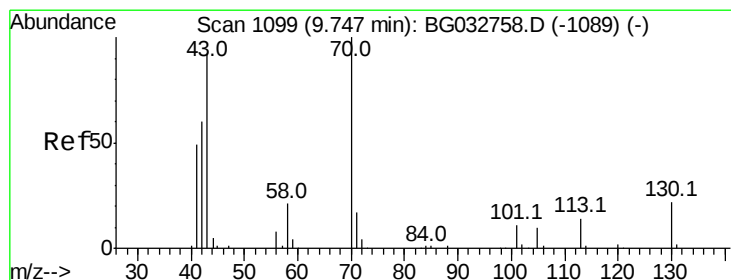
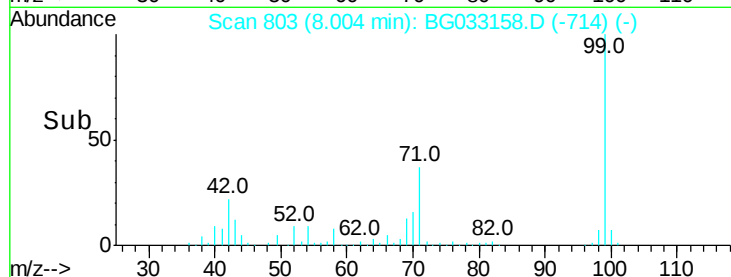
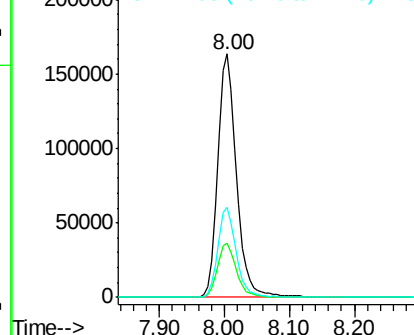
ClientSampleId :

Tot Ion: 99 Resp: 324971

Ion	Ratio	Lower	Upper
99	100		
42	22.2	14.1	21.1#
71	36.8	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: 11.442 ng

RT: 10.10 min Scan# 1159

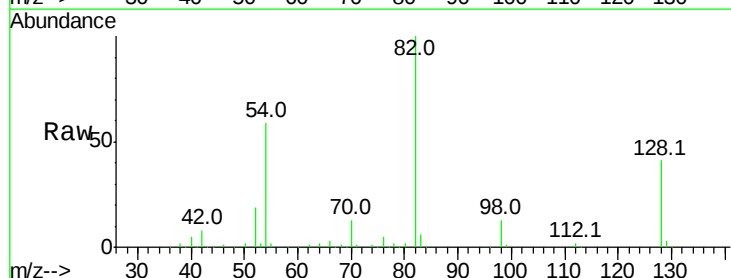
Delta R.T. 0.38 min

Lab File: BG033158.D

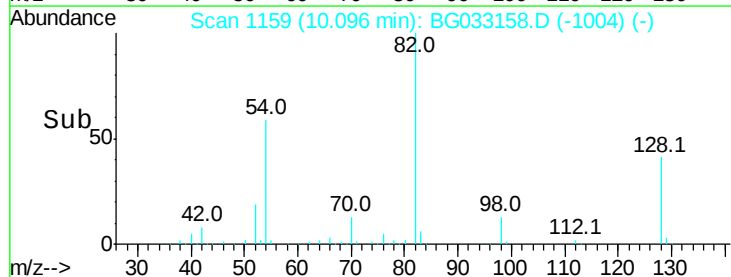
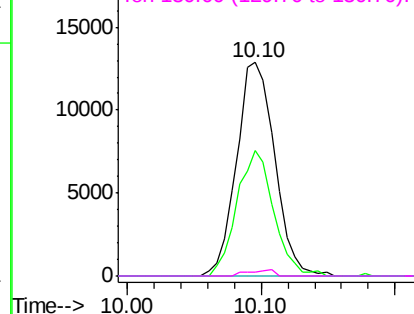
Acq: 14 Mar 2018 22:10

Tgt Ion: 70 Resp: 25558

Ion	Ratio	Lower	Upper
70	100		
42	58.8	49.1	73.7
101	0.0	8.5	12.7#
130	2.0	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

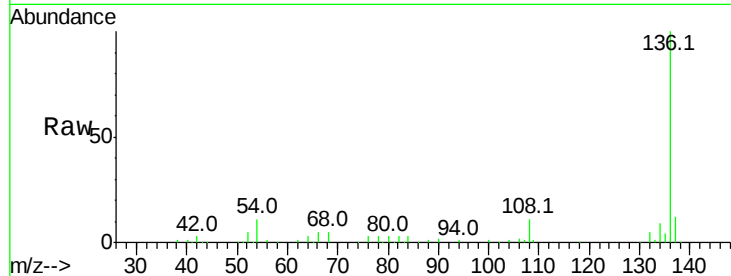




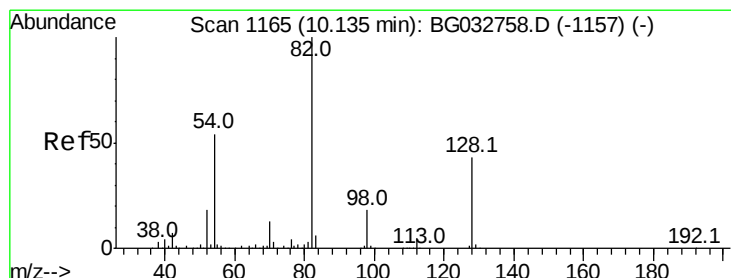
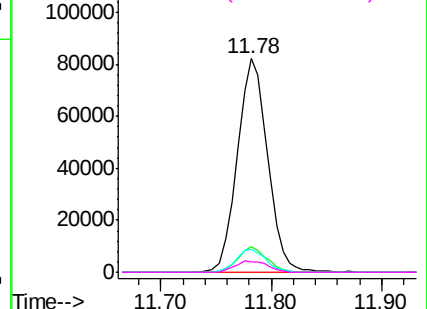
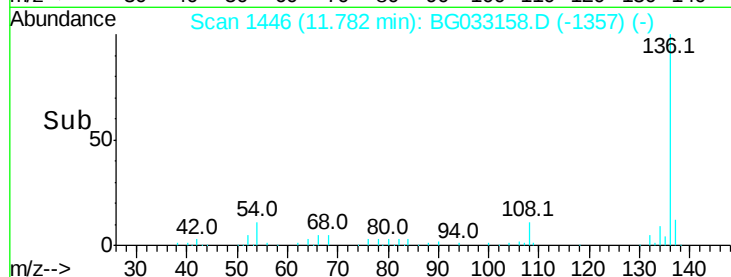
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.01 min
Lab File: BG033158.D
Acq: 14 Mar 2018 22:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	157609
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	10.7	10.3	15.5
68	5.0	4.5	6.7

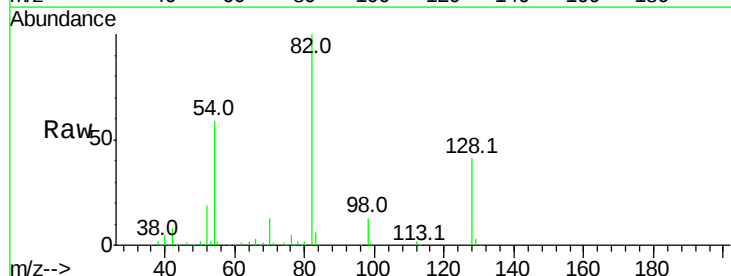


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

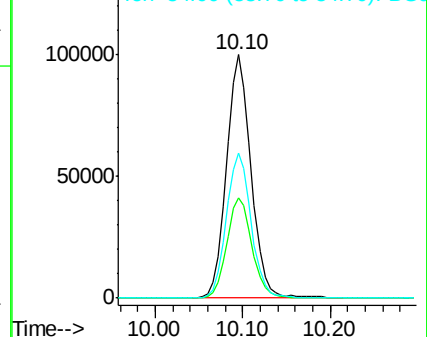
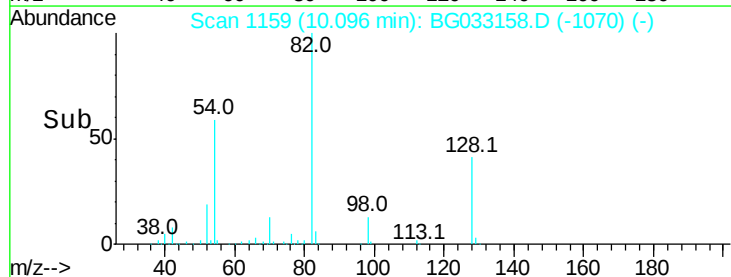


#23
Nitrobenzene-d5
Concen: 84.762 ng
RT: 10.10 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BG033158.D
Acq: 14 Mar 2018 22:10

Tgt Ion:	82	Resp:	192438
Ion	Ratio	Lower	Upper
82	100		
128	41.4	29.7	44.5
54	59.4	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: 6.579 ng

RT: 10.09 min Scan# 1158

Delta R.T. -0.05 min

Lab File: BG033158.D

Acq: 14 Mar 2018 22:10

Instrument :

BNA_G

ClientSampleId :

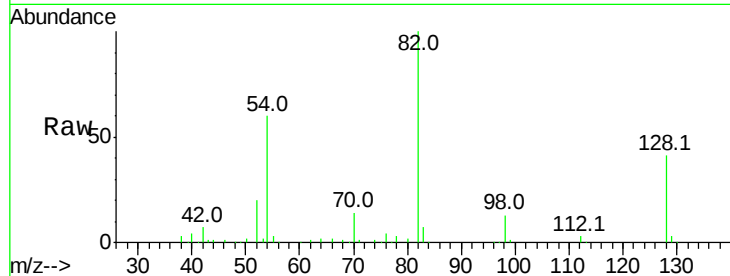
Tot Ion: 77 Resp: 575

Ion Ratio Lower Upper

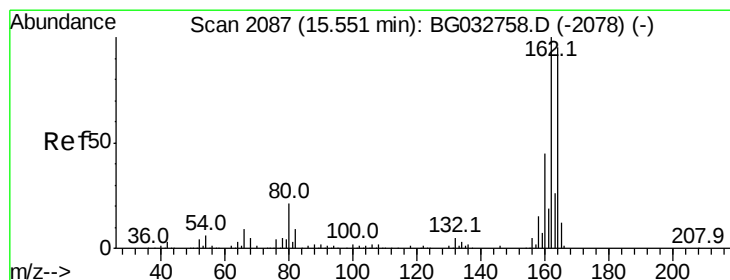
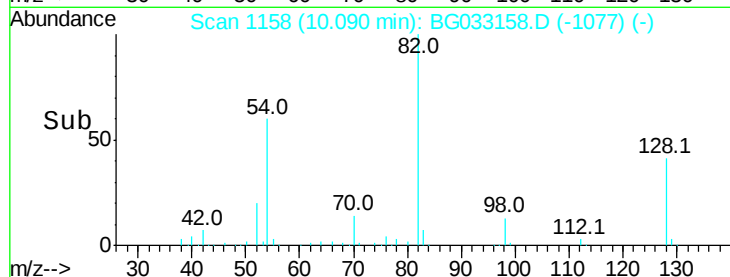
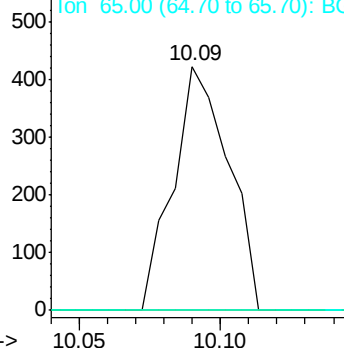
77 100

123 0.0 33.0 49.6#

65 0.0 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# 2082

Delta R.T. -0.00 min

Lab File: BG033158.D

Acq: 14 Mar 2018 22:10

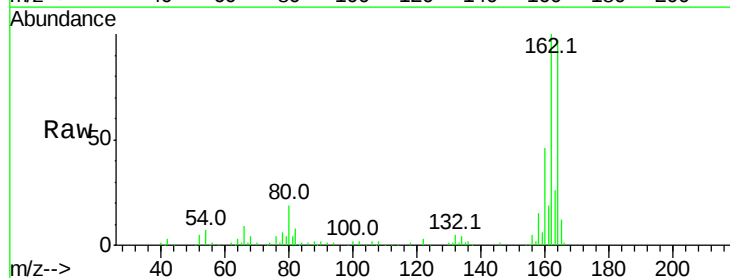
Tgt Ion:164 Resp: 92627

Ion Ratio Lower Upper

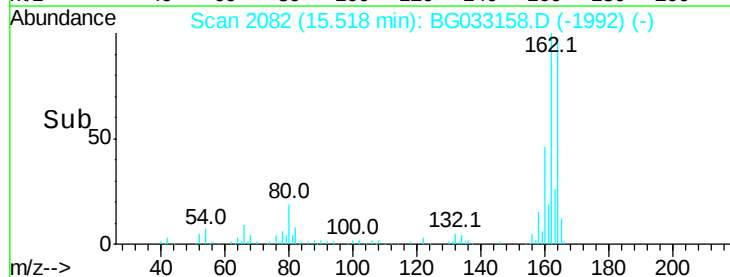
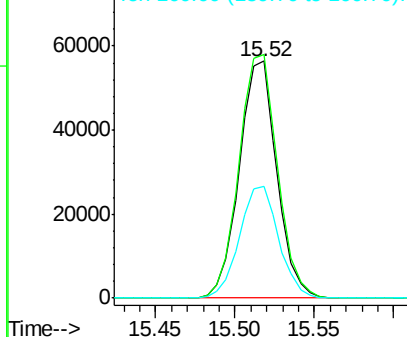
164 100

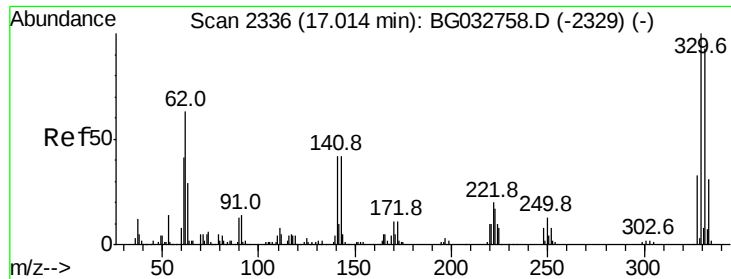
162 102.9 78.8 118.2

160 47.1 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

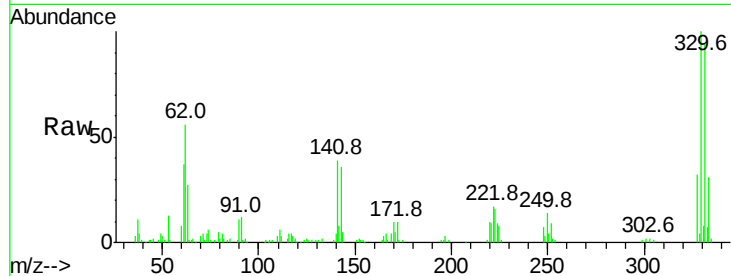




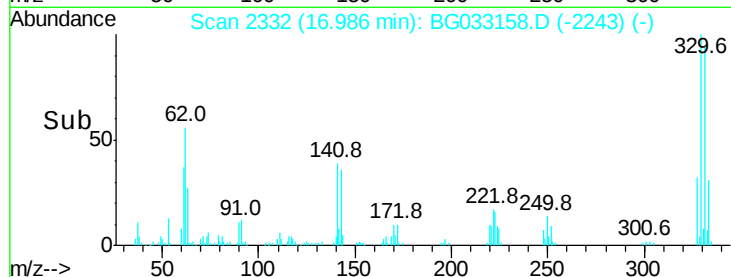
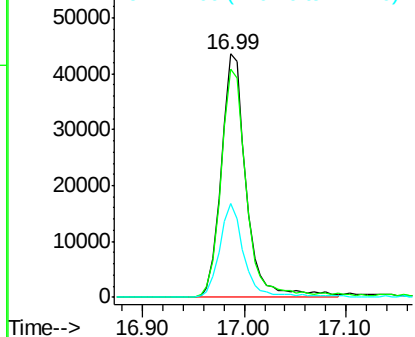
#41
 2,4,6-Tribromophenol
 Concen: 76.506 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.01 min
 Lab File: BG033158.D
 Acq: 14 Mar 2018 22:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 74512
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.0 115.6
 141 37.4 25.2 37.8

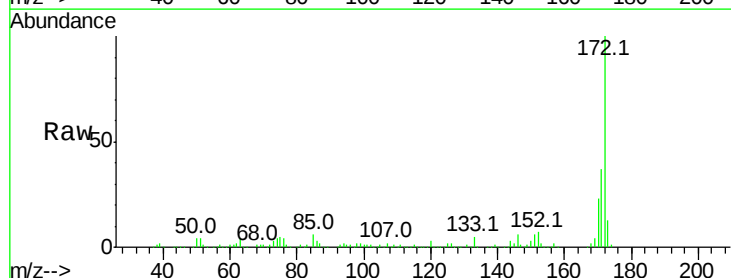


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

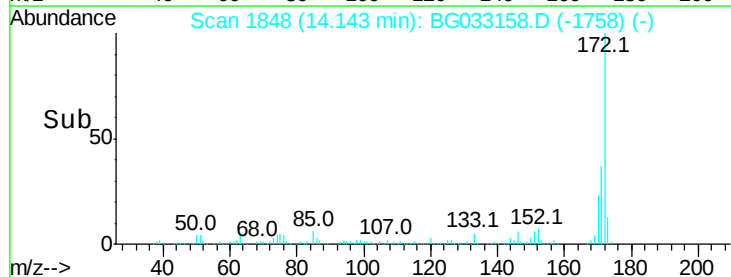
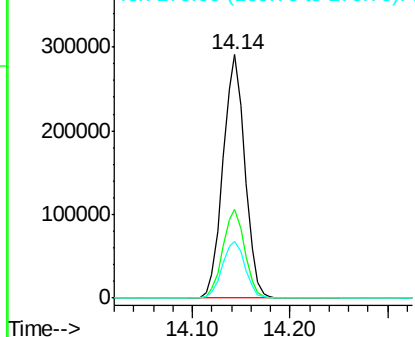


#44
 2-Fluorobiphenyl
 Concen: 70.139 ng
 RT: 14.14 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: BG033158.D
 Acq: 14 Mar 2018 22:10

Tgt Ion:172 Resp: 450459
 Ion Ratio Lower Upper
 172 100
 171 36.7 30.0 45.0
 170 23.5 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

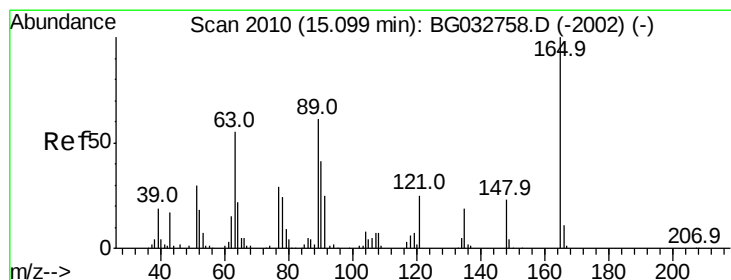
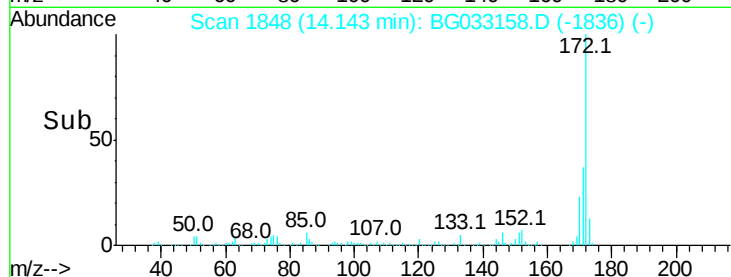
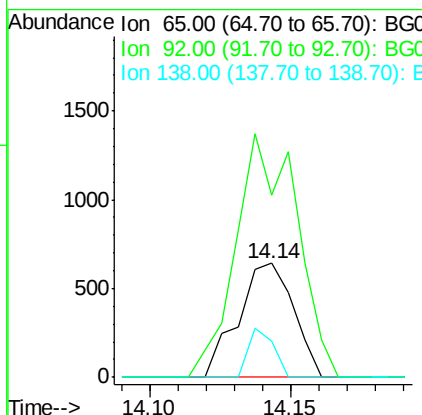
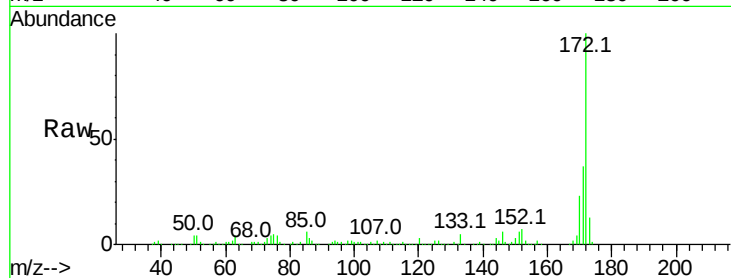




#47
 2-Nitroaniline
 Concen: 10.290 ng
 RT: 14.14 min Scan# 1848
 Delta R.T. -0.46 min
 Lab File: BG033158.D
 Acq: 14 Mar 2018 22:10

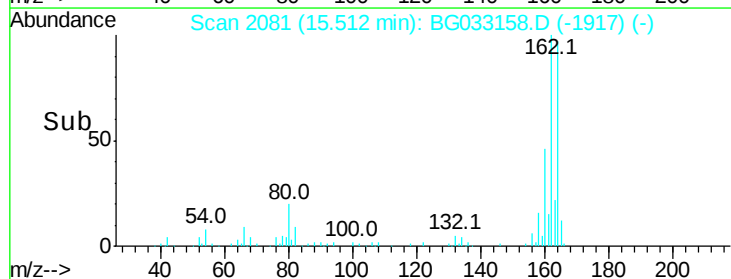
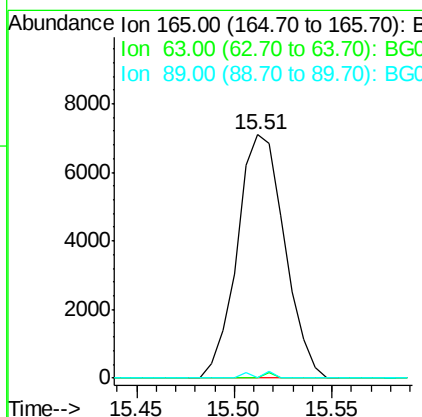
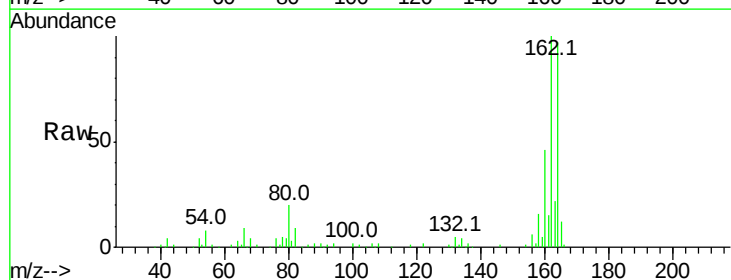
Instrument :
 BNA_G
 ClientSampled :

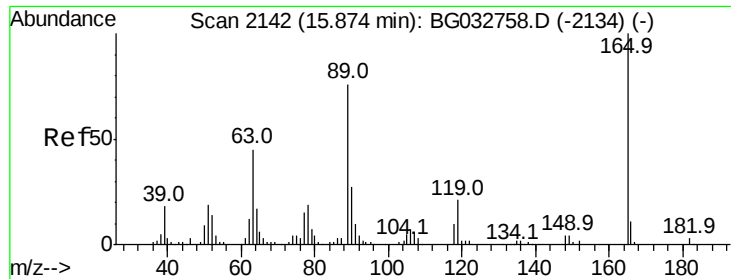
Tot Ion: 65 Resp: 871
 Ion Ratio Lower Upper
 65 100
 92 160.4 54.6 82.0#
 138 32.3 72.9 109.3#



#50
 2,6-Dinitrotoluene
 Concen: 16.332 ng
 RT: 15.51 min Scan# 2081
 Delta R.T. 0.43 min
 Lab File: BG033158.D
 Acq: 14 Mar 2018 22:10

Tgt Ion:165 Resp: 11879
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

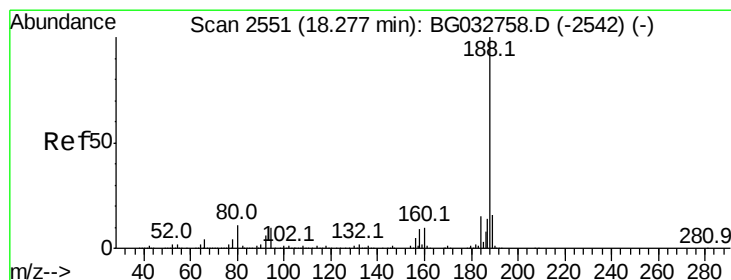
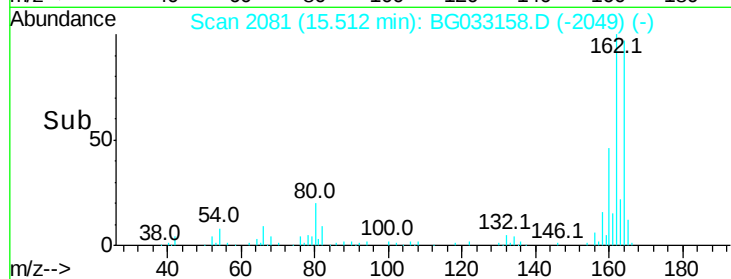
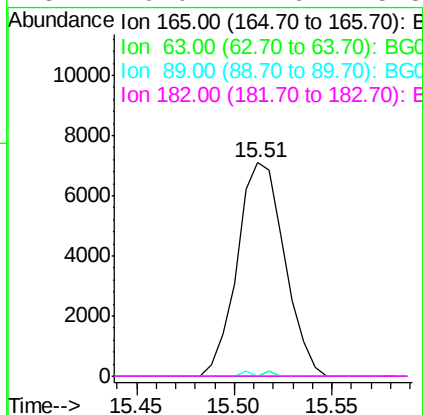
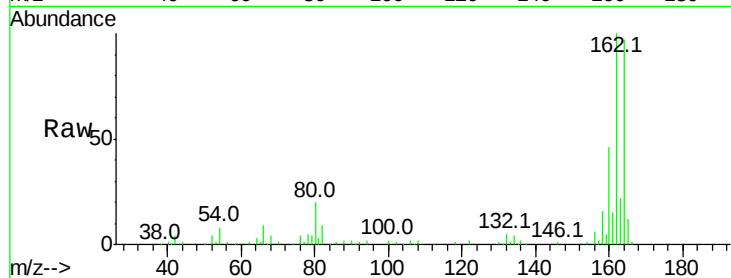




#56
 2,4-Dinitrotoluene
 Concen: 14.529 ng
 RT: 15.51 min Scan# 2081
 Delta R.T. -0.34 min
 Lab File: BG033158.D
 Acq: 14 Mar 2018 22:10

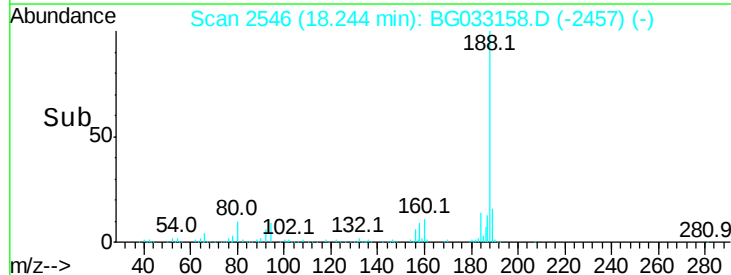
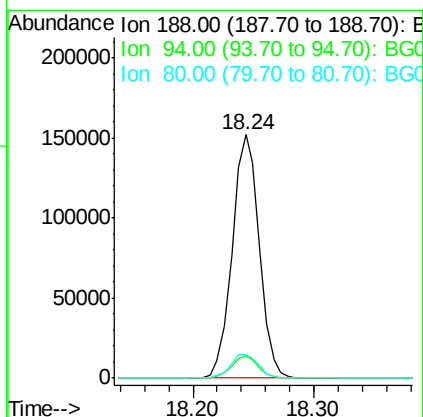
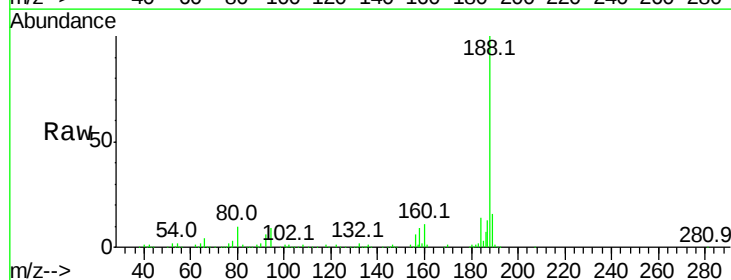
Instrument :
 BNA_G
 ClientSampled :

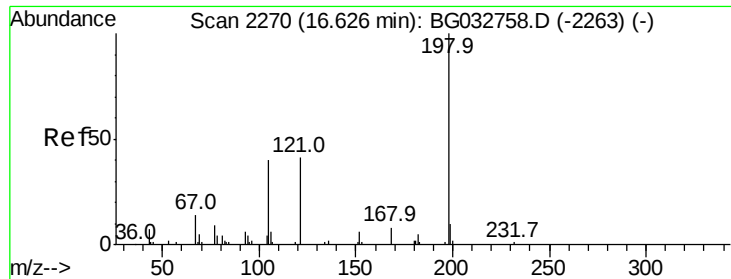
Tot Ion:165 Resp: 11879
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.24 min Scan# 2546
 Delta R.T. -0.01 min
 Lab File: BG033158.D
 Acq: 14 Mar 2018 22:10

Tgt Ion:188 Resp: 235714
 Ion Ratio Lower Upper
 188 100
 94 9.0 6.9 10.3
 80 9.6 7.7 11.5

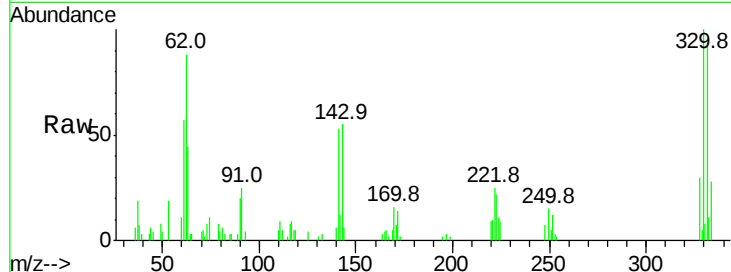




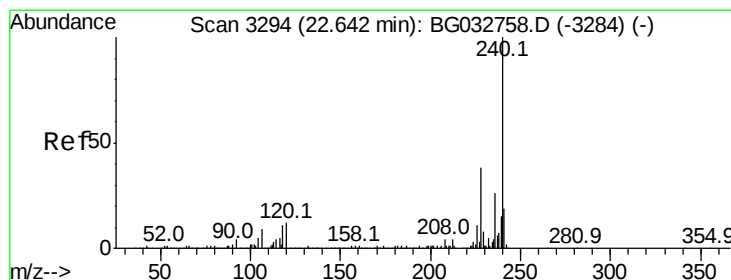
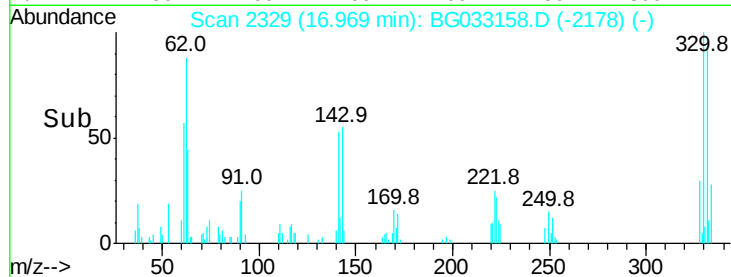
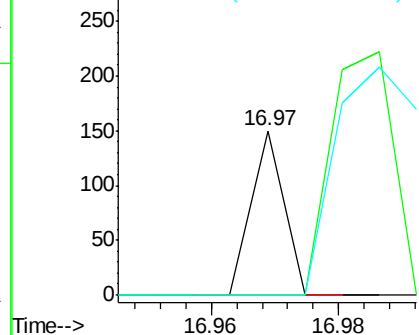
#64
4,6-Dinitro-2-methylphenol
Concen: 5.043 ng
RT: 16.97 min Scan# 2329
Delta R.T. 0.36 min
Lab File: BG033158.D
Acq: 14 Mar 2018 22:10

Instrument :
BNA_G
ClientSampled :

Tot Ion:198 Resp: 53
Ion Ratio Lower Upper
198 100
51 0.0 30.6 70.6#
105 0.0 23.8 63.8#

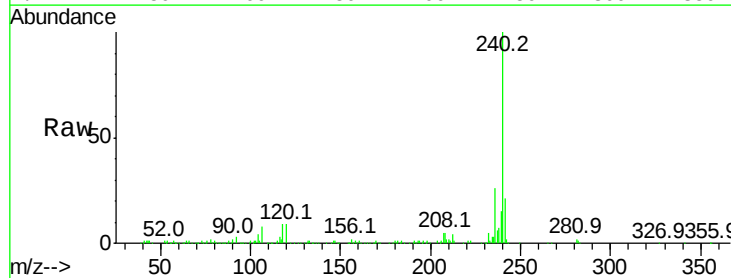


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

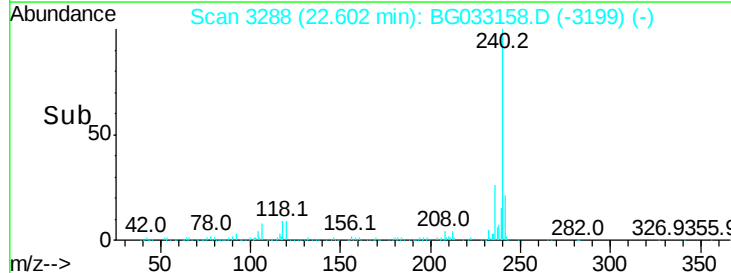
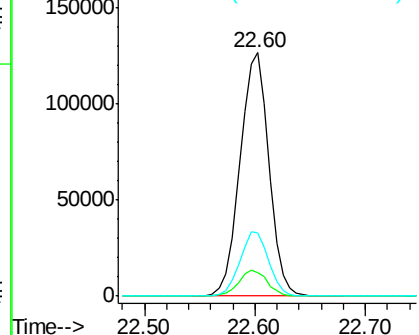


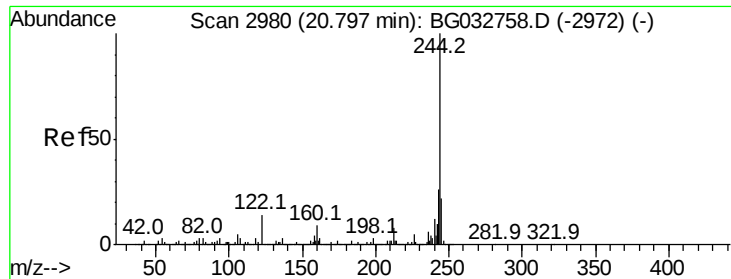
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.60 min Scan# 3288
Delta R.T. -0.01 min
Lab File: BG033158.D
Acq: 14 Mar 2018 22:10

Tgt Ion:240 Resp: 232424
Ion Ratio Lower Upper
240 100
120 9.5 6.8 10.2
236 25.9 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





#78

Terphenyl-d14

Concen: 79.199 ng

RT: 20.76 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BG033158.D

Acq: 14 Mar 2018 22:10

Instrument :

BNA_G

ClientSampleId :

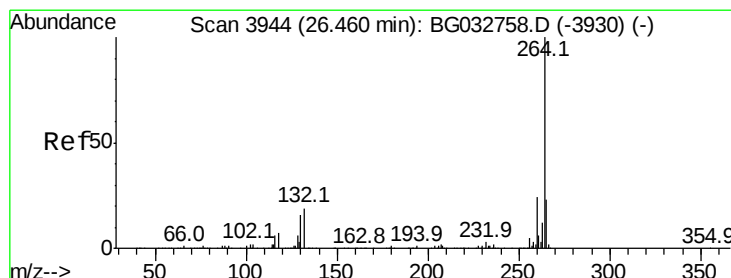
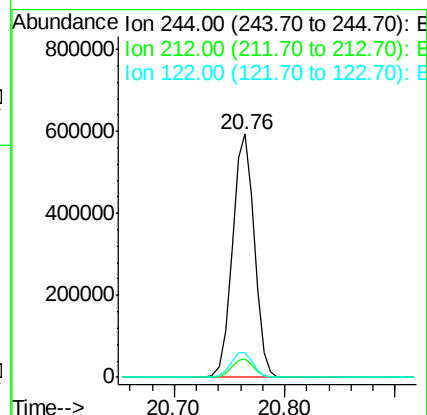
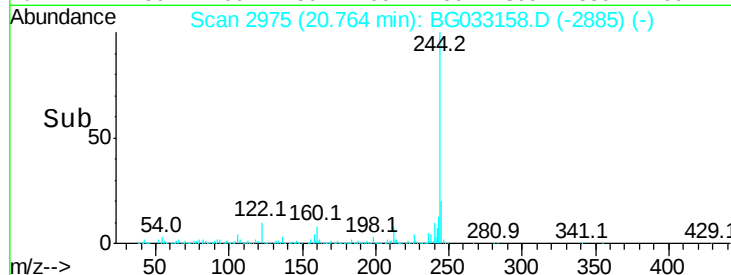
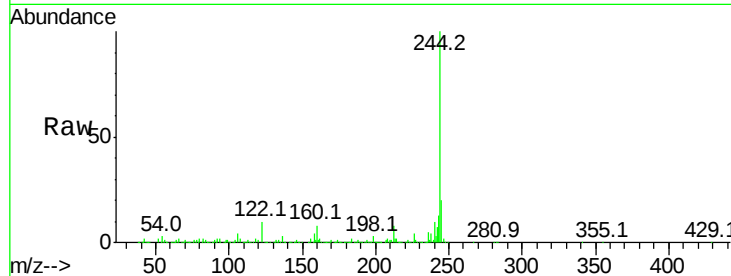
Tot Ion:244 Resp: 819313

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

122 10.4 7.0 10.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.40 min Scan# 3934

Delta R.T. -0.01 min

Lab File: BG033158.D

Acq: 14 Mar 2018 22:10

Tgt Ion:264 Resp: 241668

Ion Ratio Lower Upper

264 100

260 22.7 17.4 26.0

265 21.4 17.7 26.5

