

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030218\
 Data File : BG032961.D
 Acq On : 3 Mar 2018 00:47
 Operator : SJ/JU
 Sample : PB107023BL
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 03 04:33:27 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	55388	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	245800	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	137429	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	335697	20.00	ng	0.00
75) Chrysene-d12	22.61	240	310724	20.00	ng	0.00
86) Perylene-d12	26.42	264	305335	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	369545	106.74	ng	0.00
7) Phenol-d6	8.01	99	488095	101.15	ng	0.00
23) Nitrobenzene-d5	10.11	82	281077	80.01	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	150567	104.20	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	640433	67.21	ng	0.00
78) Terphenyl-d14	20.78	244	1005979	72.74	ng	0.00

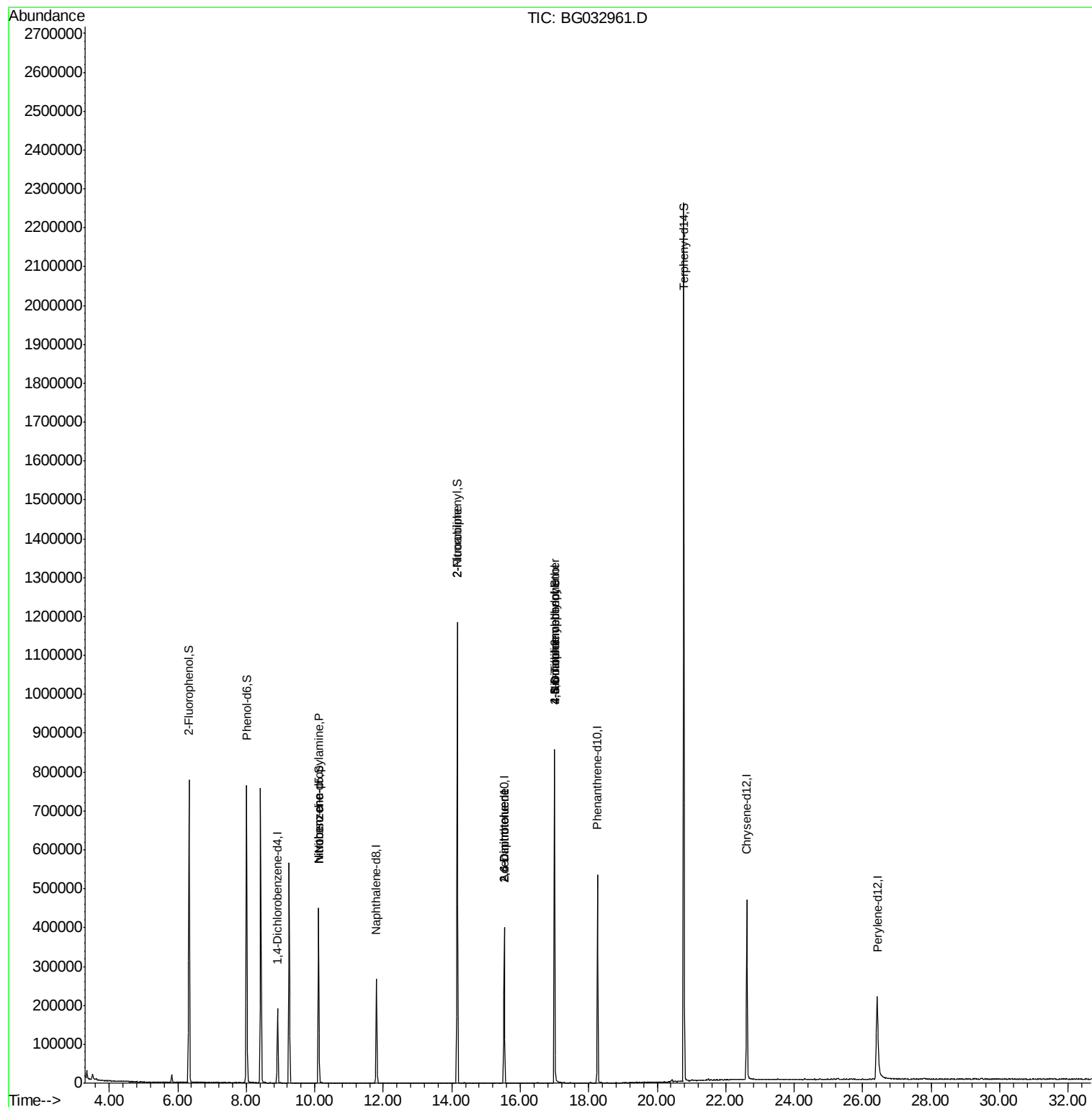
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.11	70	35528	10.429	ng	# 79
24) Nitrobenzene	10.11	77	742	6.544	ng	# 42
47) 2-Nitroaniline	14.16	65	989	10.183	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	17821	16.415	ng	# 19
56) 2,4-Dinitrotoluene	15.53	165	17821	14.613	ng	# 17
61) 4-Nitroaniline	17.00	138	55	5.319	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.99	198	597	5.704	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	11200	3.155	ng	# 1

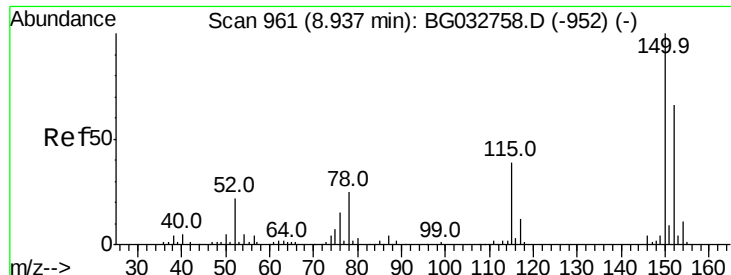
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030218\
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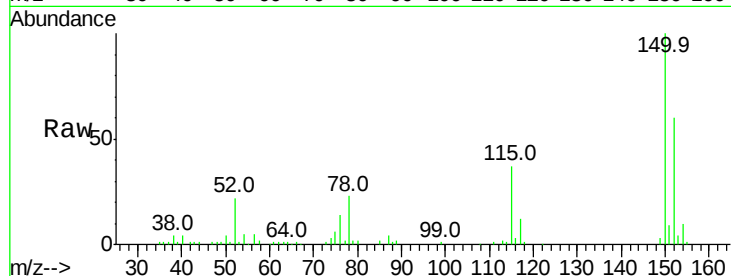


#1

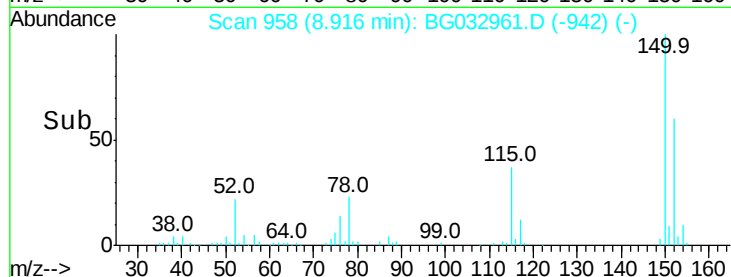
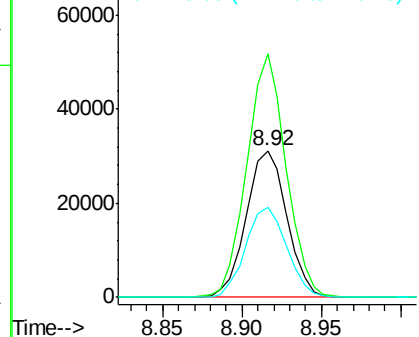
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.00 min
Lab File: BG032961.D
Acq: 3 Mar 2018 00:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 55388
Ion Ratio Lower Upper
152 100
150 165.8 126.6 189.8
115 61.2 53.0 79.4



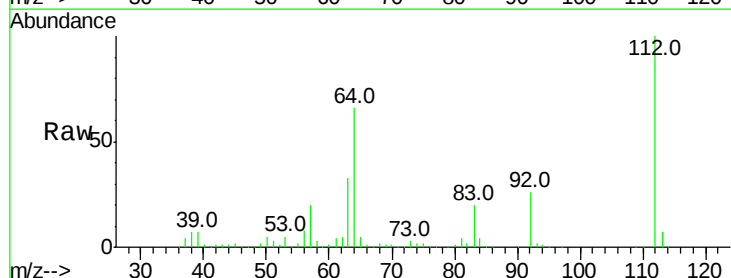
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



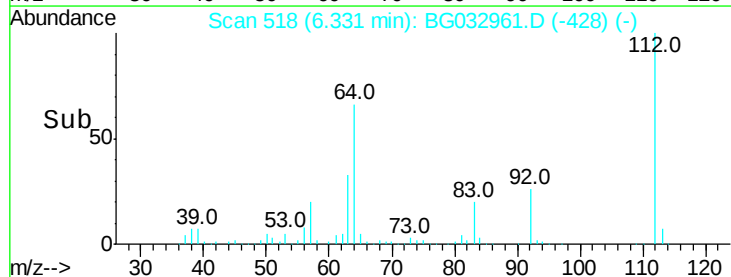
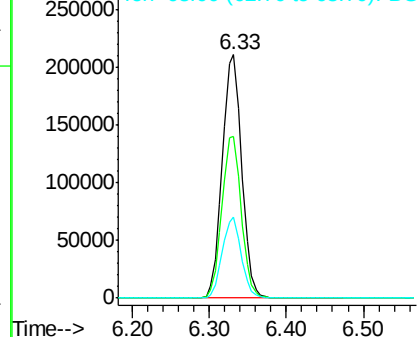
#5

2-Fluorophenol
Concen: 106.741 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.00 min
Lab File: BG032961.D
Acq: 3 Mar 2018 00:47

Tgt Ion:112 Resp: 369545
Ion Ratio Lower Upper
112 100
64 66.3 56.3 84.5
63 33.1 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: 101.146 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032961.D

Acq: 3 Mar 2018 00:47

Instrument :

BNA_G

ClientSampleId :

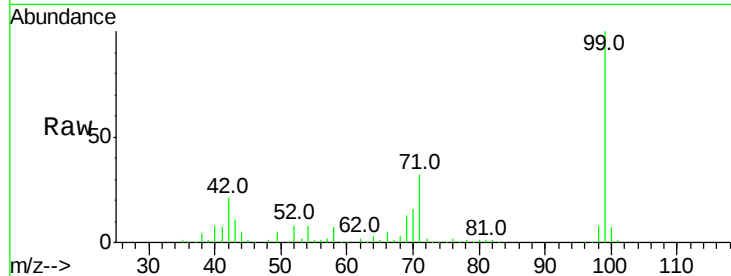
Tot Ion: 99 Resp: 488095

Ion Ratio Lower Upper

99 100

42 20.9 14.1 21.1

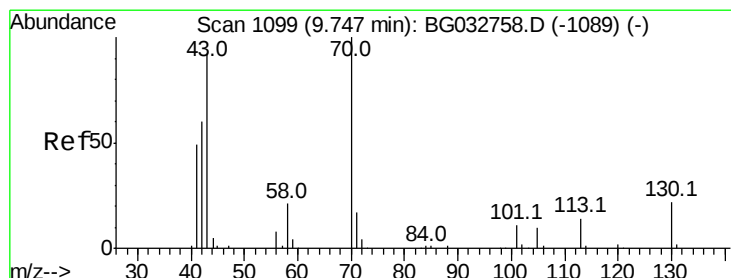
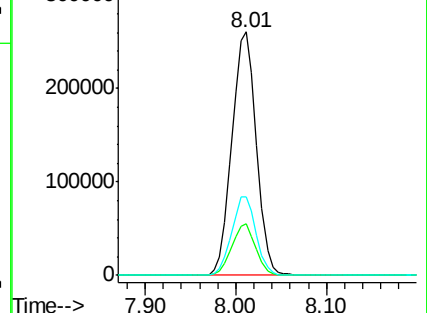
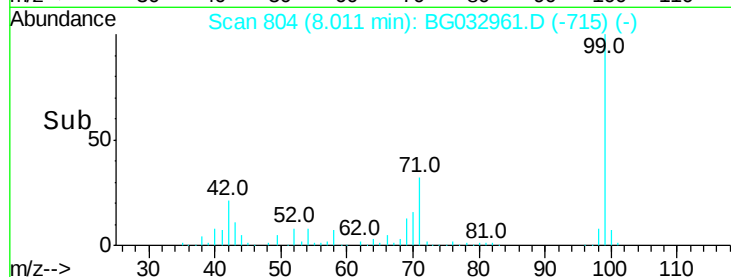
71 32.2 26.1 39.1



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: 10.429 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.38 min

Lab File: BG032961.D

Acq: 3 Mar 2018 00:47

Tgt Ion: 70 Resp: 35528

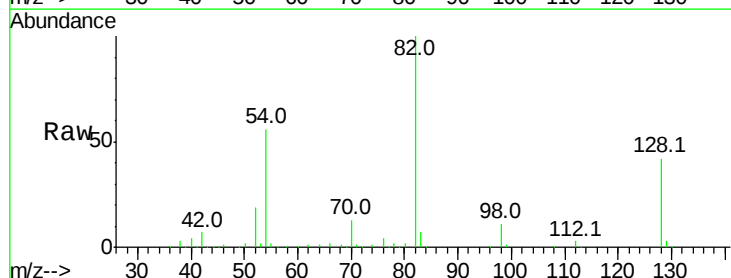
Ion Ratio Lower Upper

70 100

42 48.7 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

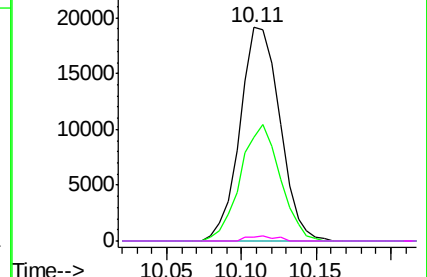
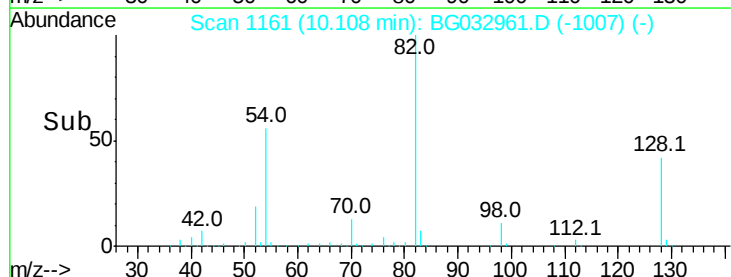


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

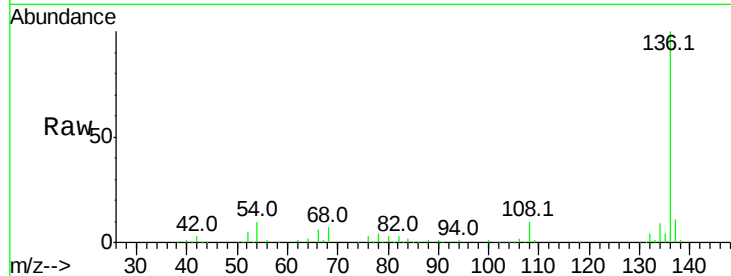




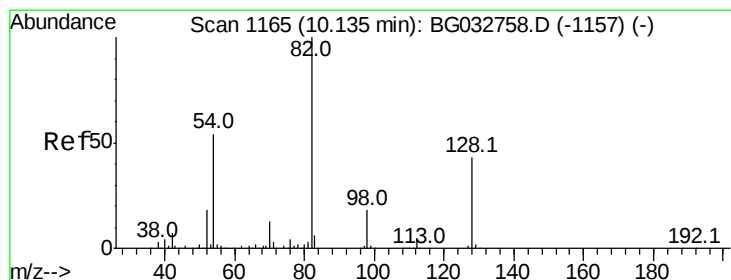
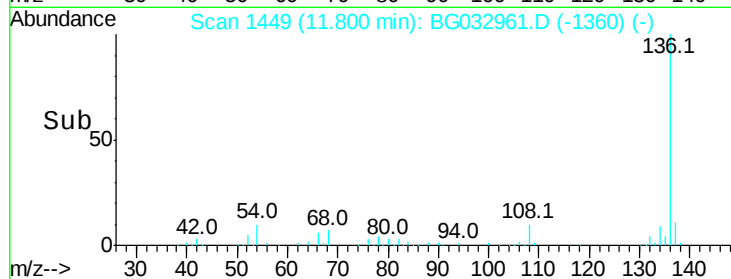
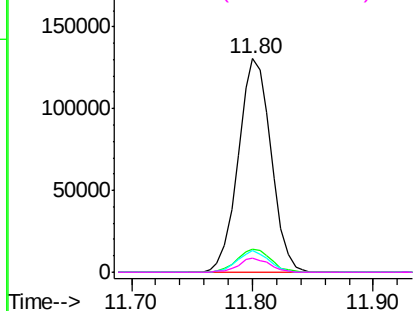
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BG032961.D
Acq: 3 Mar 2018 00:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	245800
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	10.1	10.3	15.5#
68	6.7	4.5	6.7#

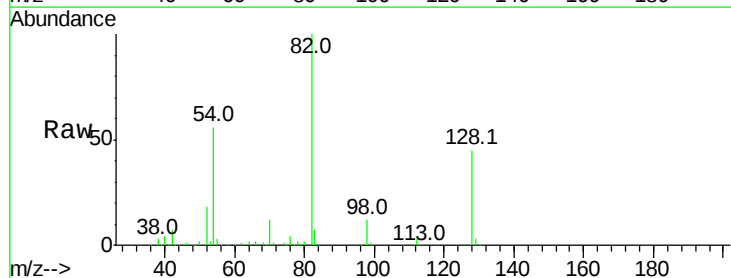


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

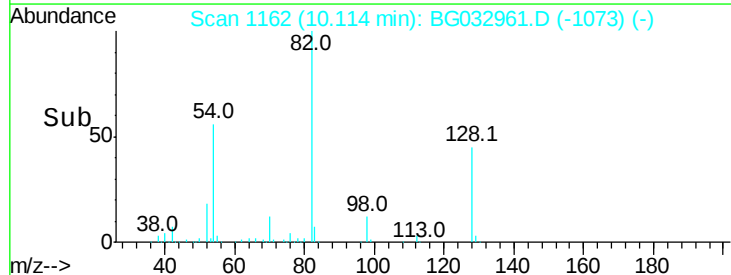
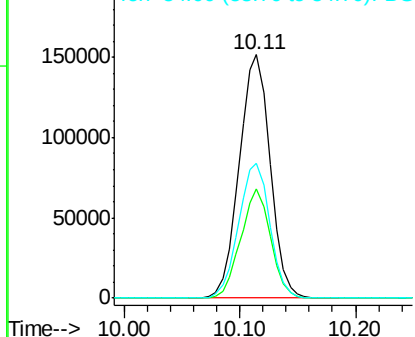


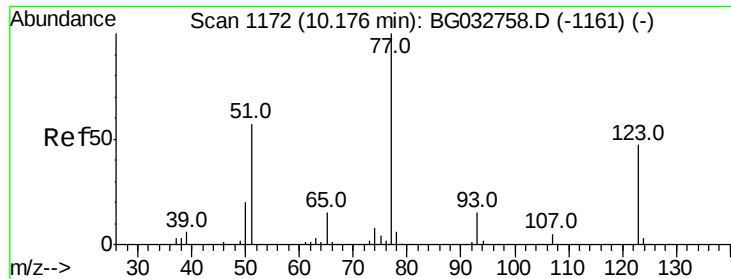
#23
Nitrobenzene-d5
Concen: 80.013 ng
RT: 10.11 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BG032961.D
Acq: 3 Mar 2018 00:47

Tgt Ion:	82	Resp:	281077
Ion	Ratio	Lower	Upper
82	100		
128	45.0	29.7	44.5#
54	55.6	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: 6.544 ng

RT: 10.11 min Scan# 1162

Delta R.T. -0.05 min

Lab File: BG032961.D

Acq: 3 Mar 2018 00:47

Instrument :

BNA_G

ClientSampled :

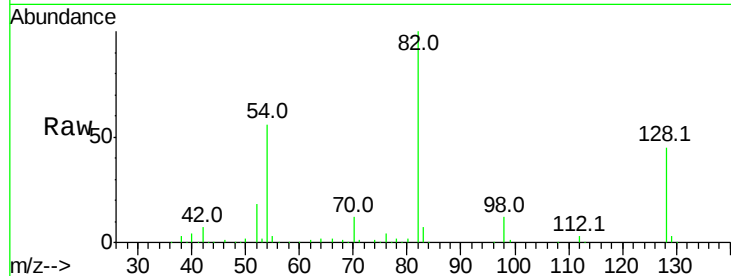
Tot Ion: 77 Resp: 742

Ion Ratio Lower Upper

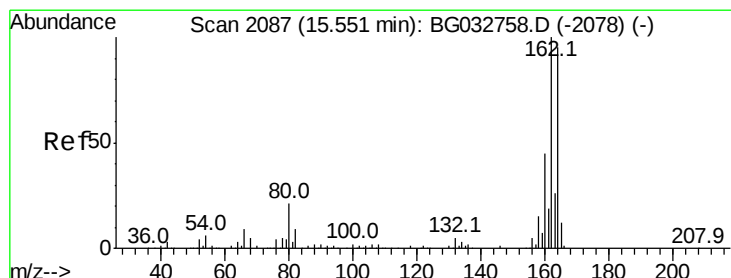
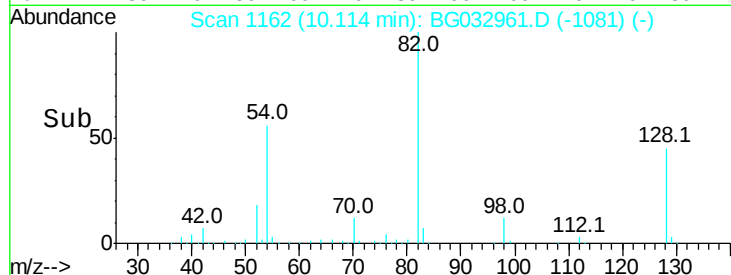
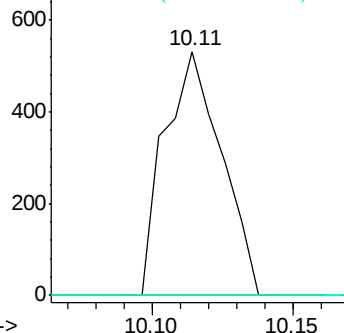
77 100

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: 15.53 min Scan# 2084

Delta R.T. -0.00 min

Lab File: BG032961.D

Acq: 3 Mar 2018 00:47

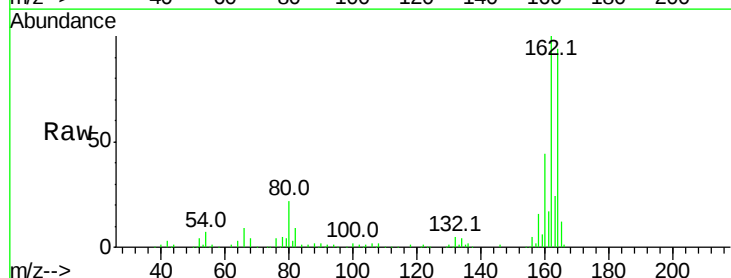
Tgt Ion:164 Resp: 137429

Ion Ratio Lower Upper

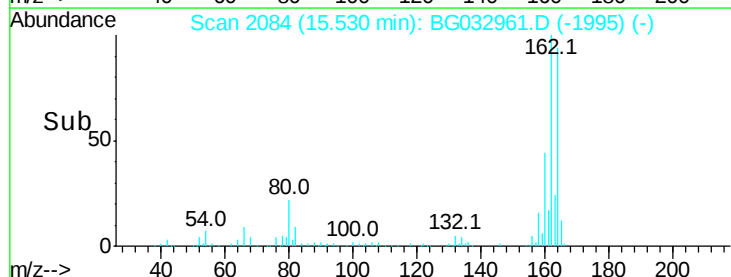
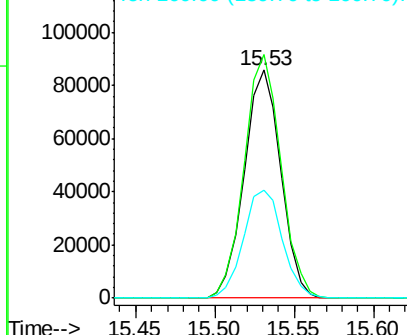
164 100

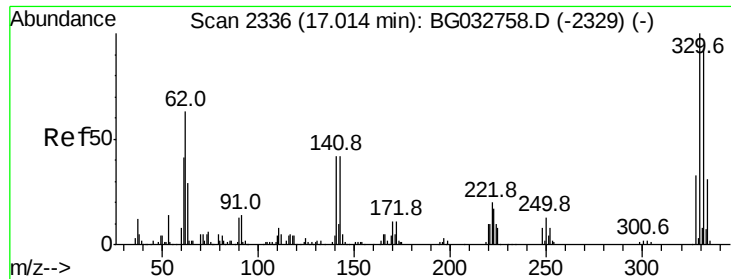
162 106.8 78.8 118.2

160 47.5 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

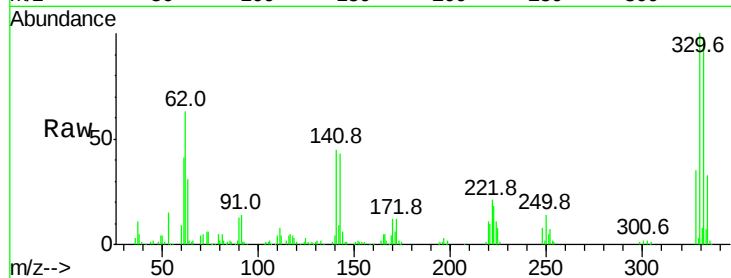




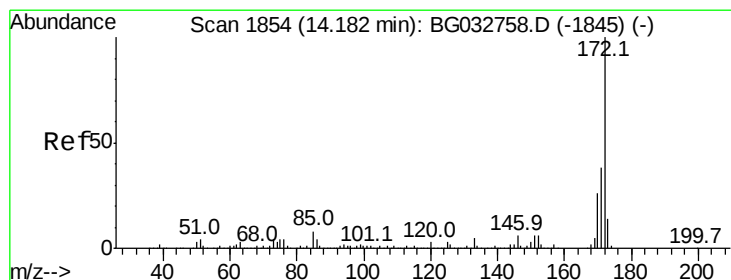
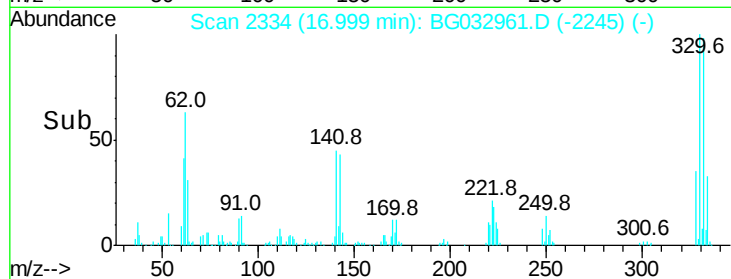
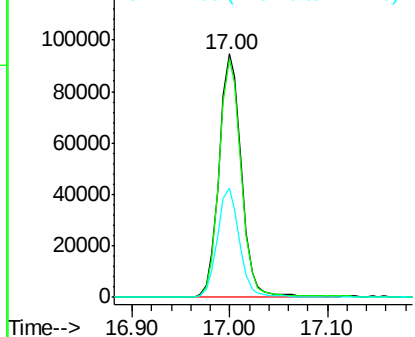
#41
 2,4,6-Tribromophenol
 Concen: 104.197 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.00 min
 Lab File: BG032961.D
 Acq: 3 Mar 2018 00:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 150567
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 44.2 25.2 37.8#

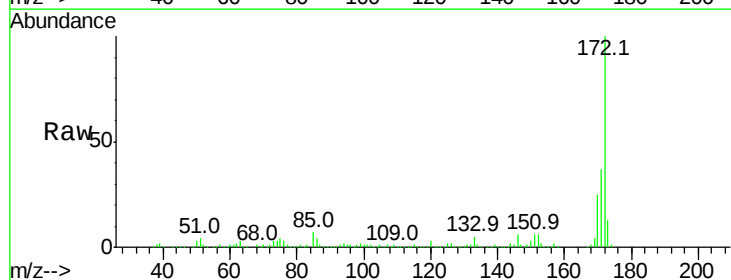


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

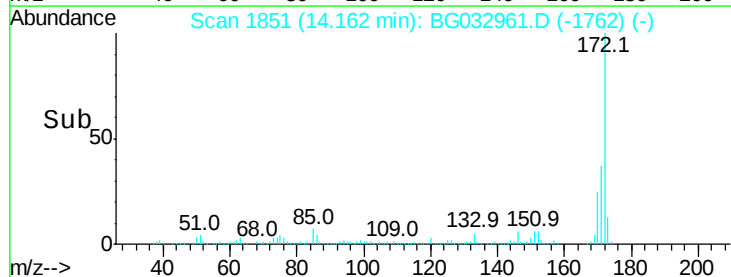
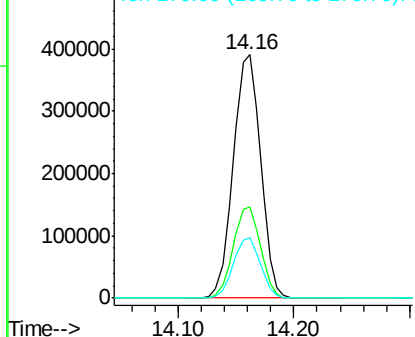


#44
 2-Fluorobiphenyl
 Concen: 67.210 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: BG032961.D
 Acq: 3 Mar 2018 00:47

Tgt Ion:172 Resp: 640433
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.0 45.0
 170 24.6 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: 10.183 ng

RT: 14.16 min Scan# 1851

Delta R.T. -0.45 min

Lab File: BG032961.D

Acq: 3 Mar 2018 00:47

Instrument :

BNA_G

ClientSampleId :

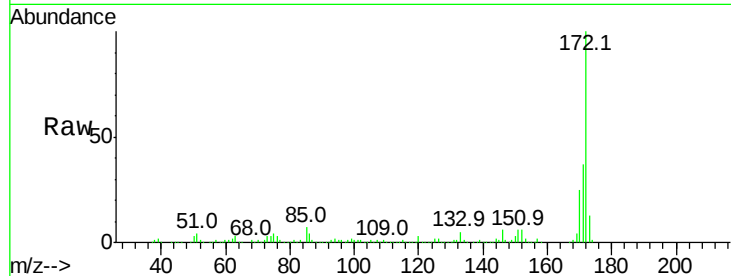
Tot Ion: 65 Resp: 989

Ion Ratio Lower Upper

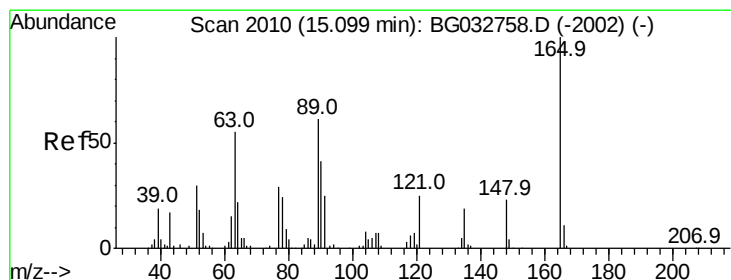
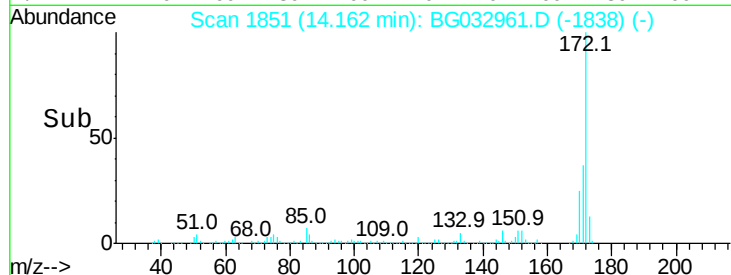
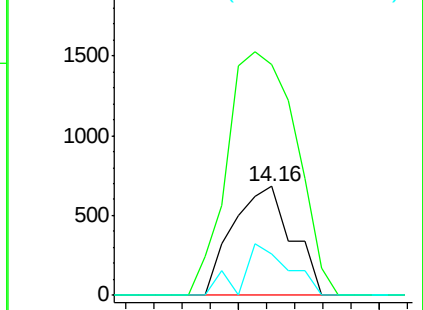
65 100

92 211.7 54.6 82.0#

138 37.8 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#50

2,6-Dinitrotoluene

Concen: 16.415 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.44 min

Lab File: BG032961.D

Acq: 3 Mar 2018 00:47

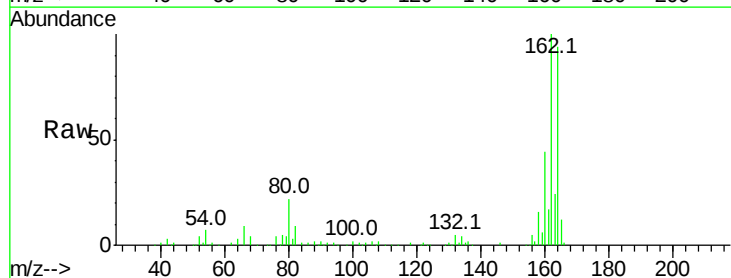
Tgt Ion:165 Resp: 17821

Ion Ratio Lower Upper

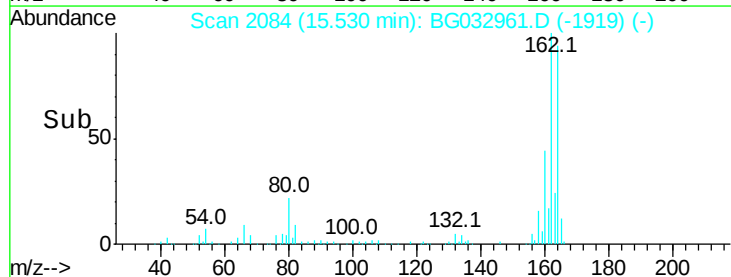
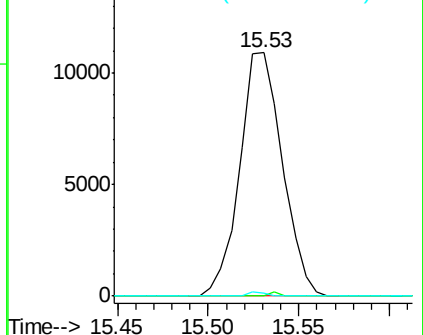
165 100

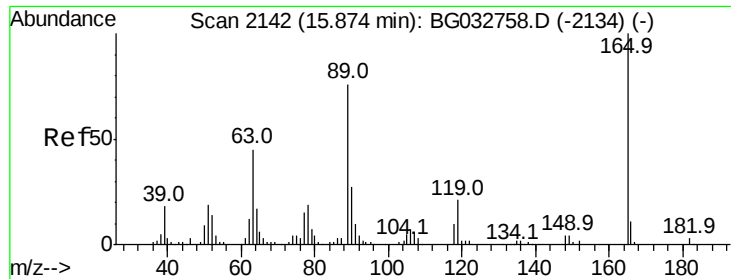
63 0.0 52.7 79.1#

89 1.4 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

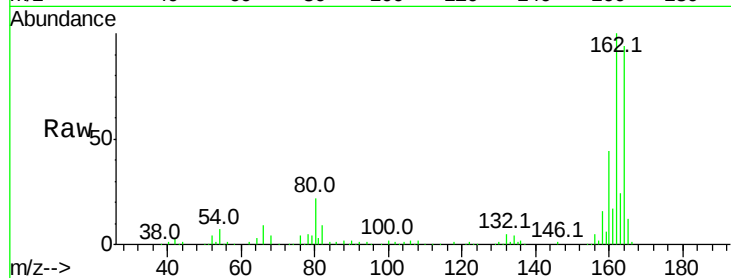




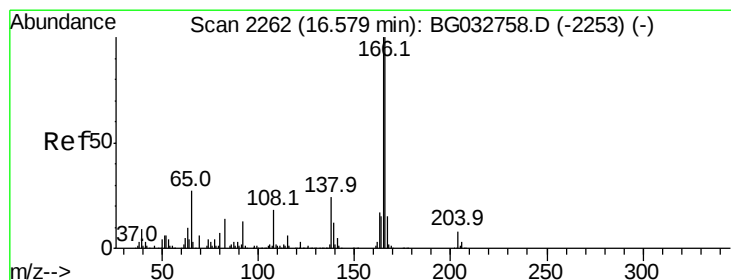
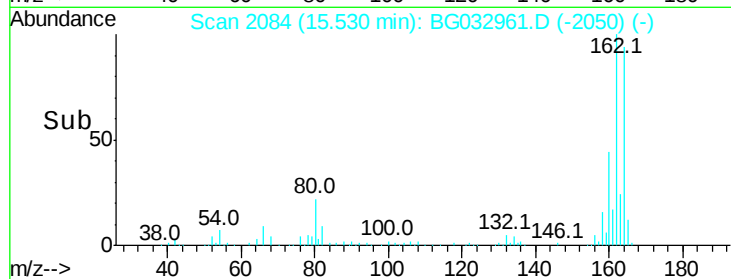
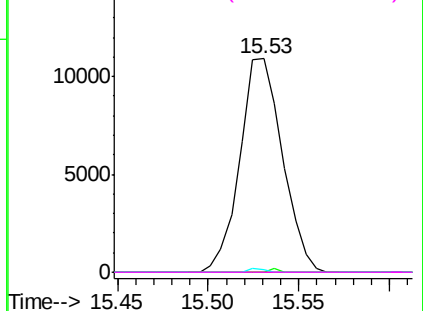
#56
2,4-Dinitrotoluene
Concen: 14.613 ng
RT: 15.53 min Scan# 2084
Delta R.T. -0.33 min
Lab File: BG032961.D
Acq: 3 Mar 2018 00:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 17821
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 1.4 66.9 100.3#
182 0.0 2.6 3.8#

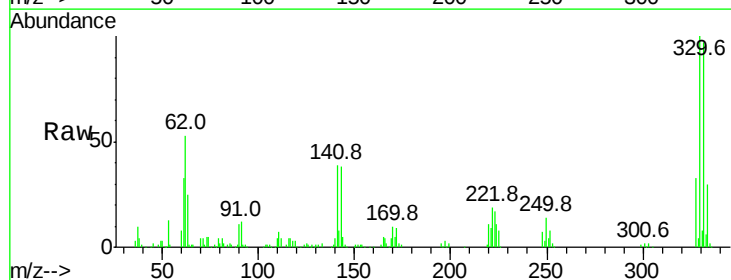


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

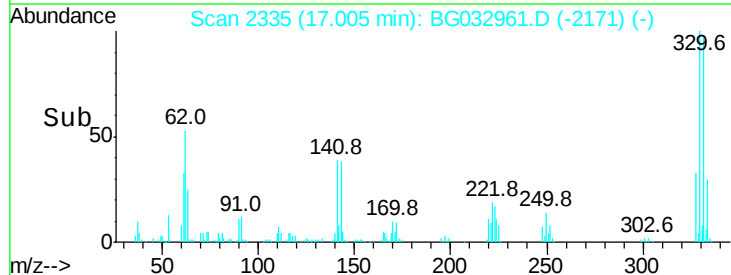
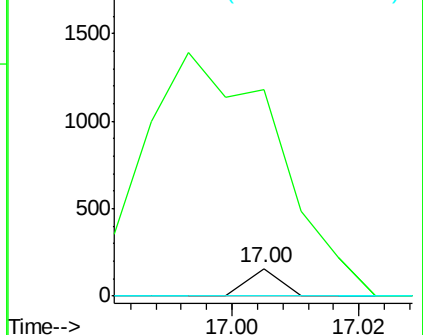


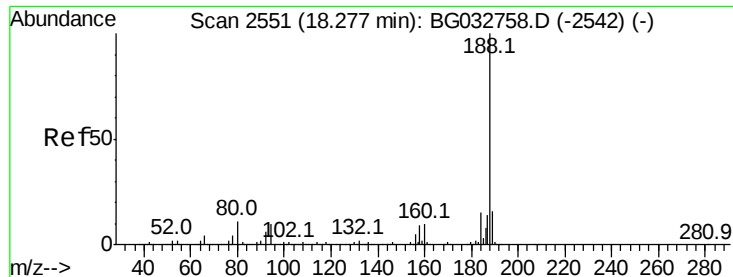
#61
4-Nitroaniline
Concen: 5.319 ng
RT: 17.00 min Scan# 2335
Delta R.T. 0.44 min
Lab File: BG032961.D
Acq: 3 Mar 2018 00:47

Tgt Ion:138 Resp: 55
Ion Ratio Lower Upper
138 100
92 759.0 40.1 80.1#
108 0.0 65.4 105.4#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BGC
Ion 108.00 (107.70 to 108.70): E

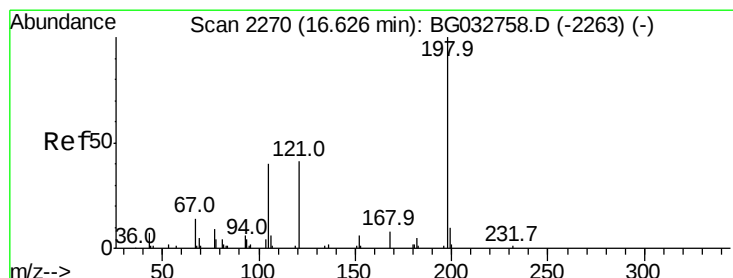
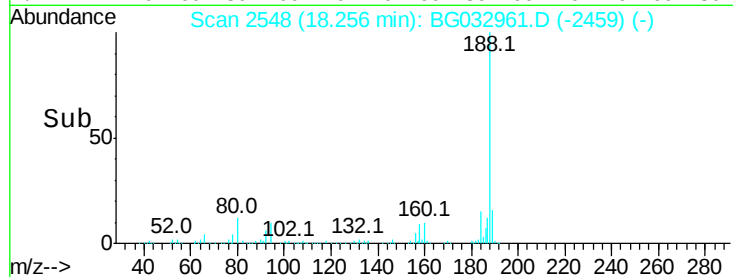
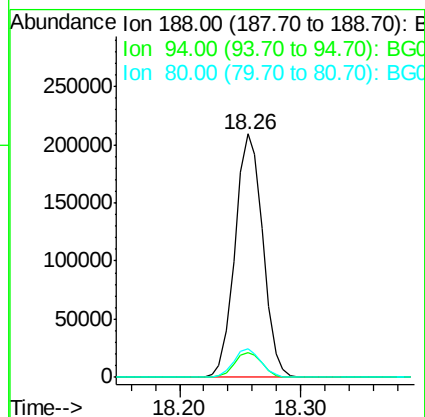
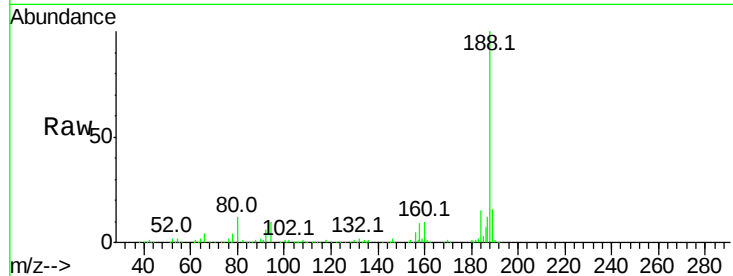




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: BG032961.D
 Acq: 3 Mar 2018 00:47

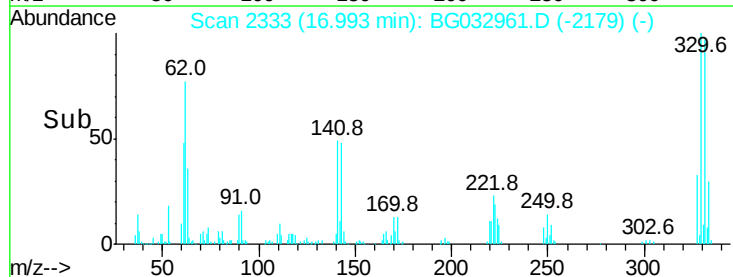
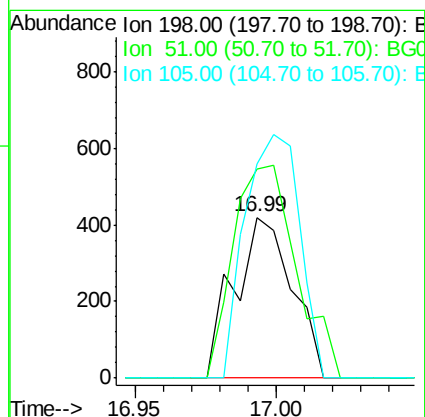
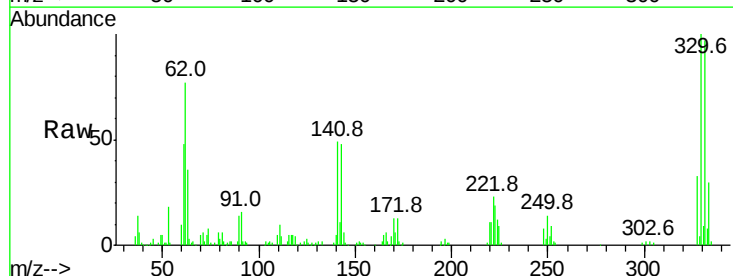
Instrument :
 BNA_G
 ClientSampled :

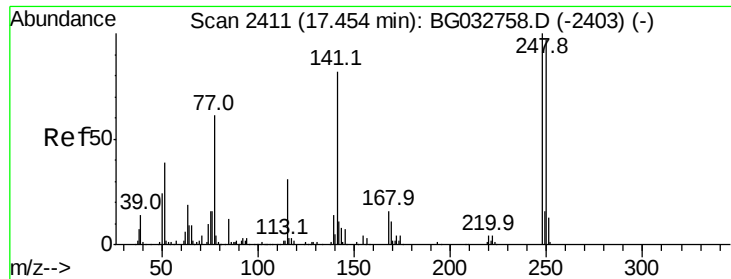
Tot Ion:188 Resp: 335697
 Ion Ratio Lower Upper
 188 100
 94 9.9 6.9 10.3
 80 11.6 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.704 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. 0.38 min
 Lab File: BG032961.D
 Acq: 3 Mar 2018 00:47

Tgt Ion:198 Resp: 597
 Ion Ratio Lower Upper
 198 100
 51 130.3 30.6 70.6#
 105 133.4 23.8 63.8#

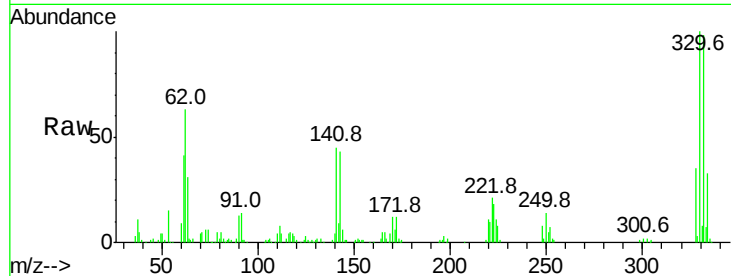




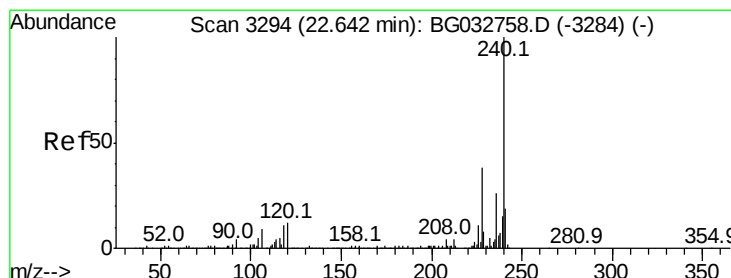
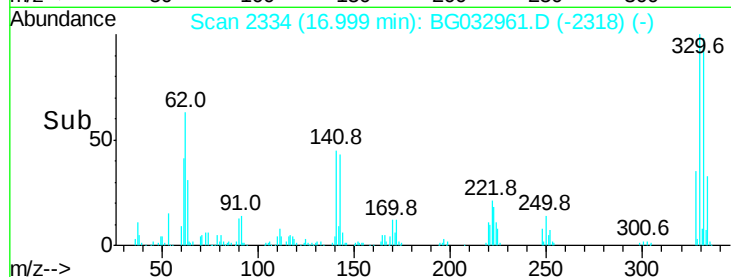
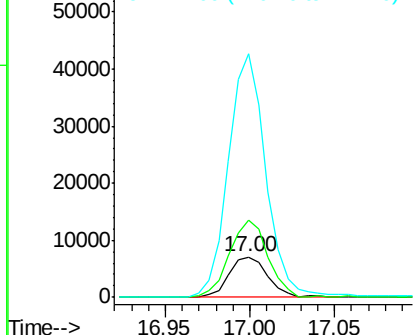
#66
4-Bromophenyl-phenylether
Concen: 3.155 ng
RT: 17.00 min Scan# 2334
Delta R.T. -0.43 min
Lab File: BG032961.D
Acq: 3 Mar 2018 00:47

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 11200
Ion Ratio Lower Upper
248 100
250 190.7 77.1 115.7#
141 601.1 50.8 76.2#

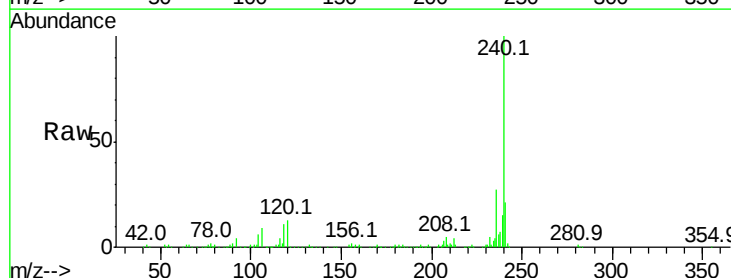


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

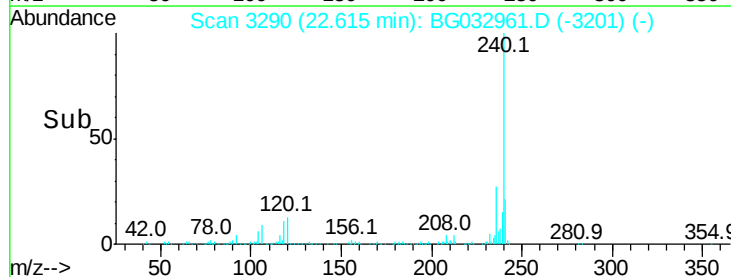
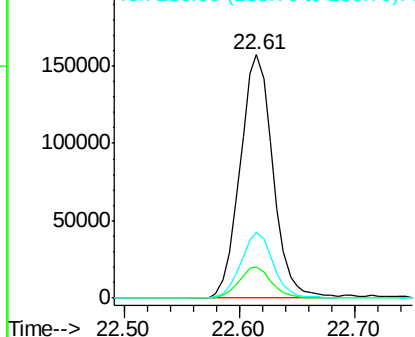


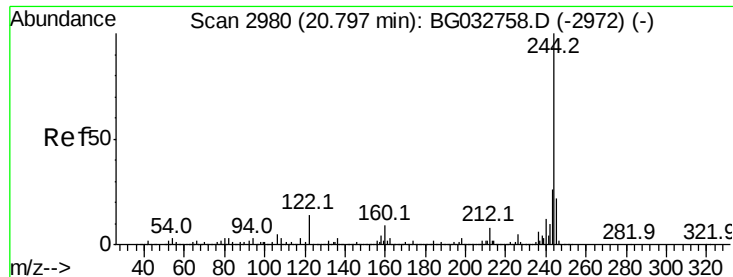
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.61 min Scan# 3290
Delta R.T. -0.00 min
Lab File: BG032961.D
Acq: 3 Mar 2018 00:47

Tgt Ion:240 Resp: 310724
Ion Ratio Lower Upper
240 100
120 12.5 6.8 10.2#
236 27.2 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: 72.739 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.00 min

Lab File: BG032961.D

Acq: 3 Mar 2018 00:47

Instrument :

BNA_G

ClientSampleId :

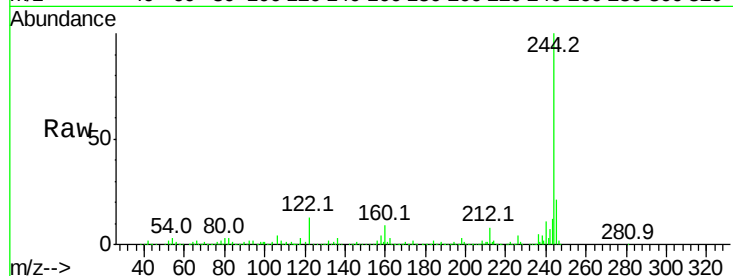
Tot Ion:244 Resp: 1005979

Ion Ratio Lower Upper

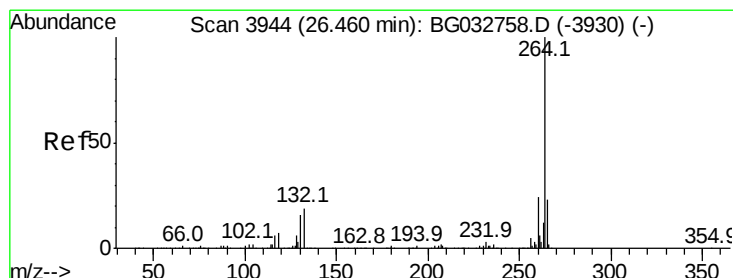
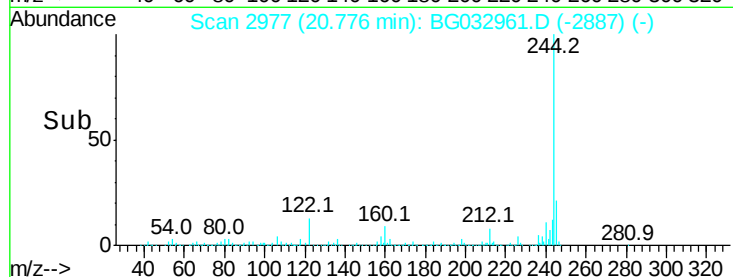
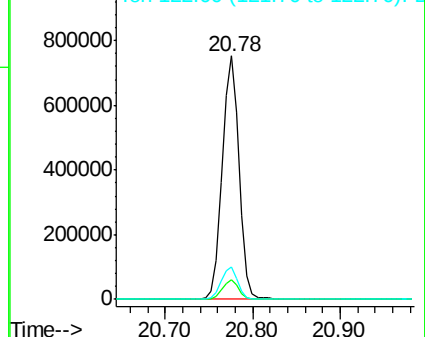
244 100

212 8.1 5.8 8.8

122 13.5 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: 26.42 min Scan# 3938

Delta R.T. -0.00 min

Lab File: BG032961.D

Acq: 3 Mar 2018 00:47

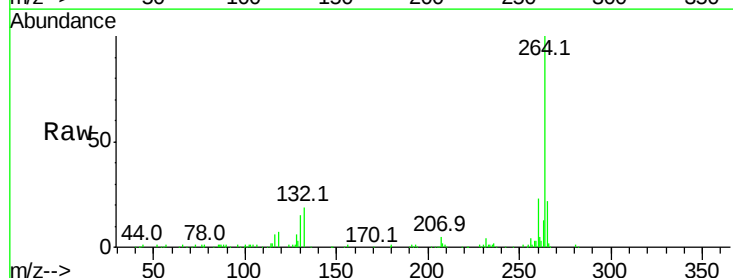
Tgt Ion:264 Resp: 305335

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 21.9 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

