

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031218\
 Data File : BG033093.D
 Acq On : 12 Mar 2018 17:25
 Operator : SJ/JU
 Sample : J1869-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 12 17:59:39 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

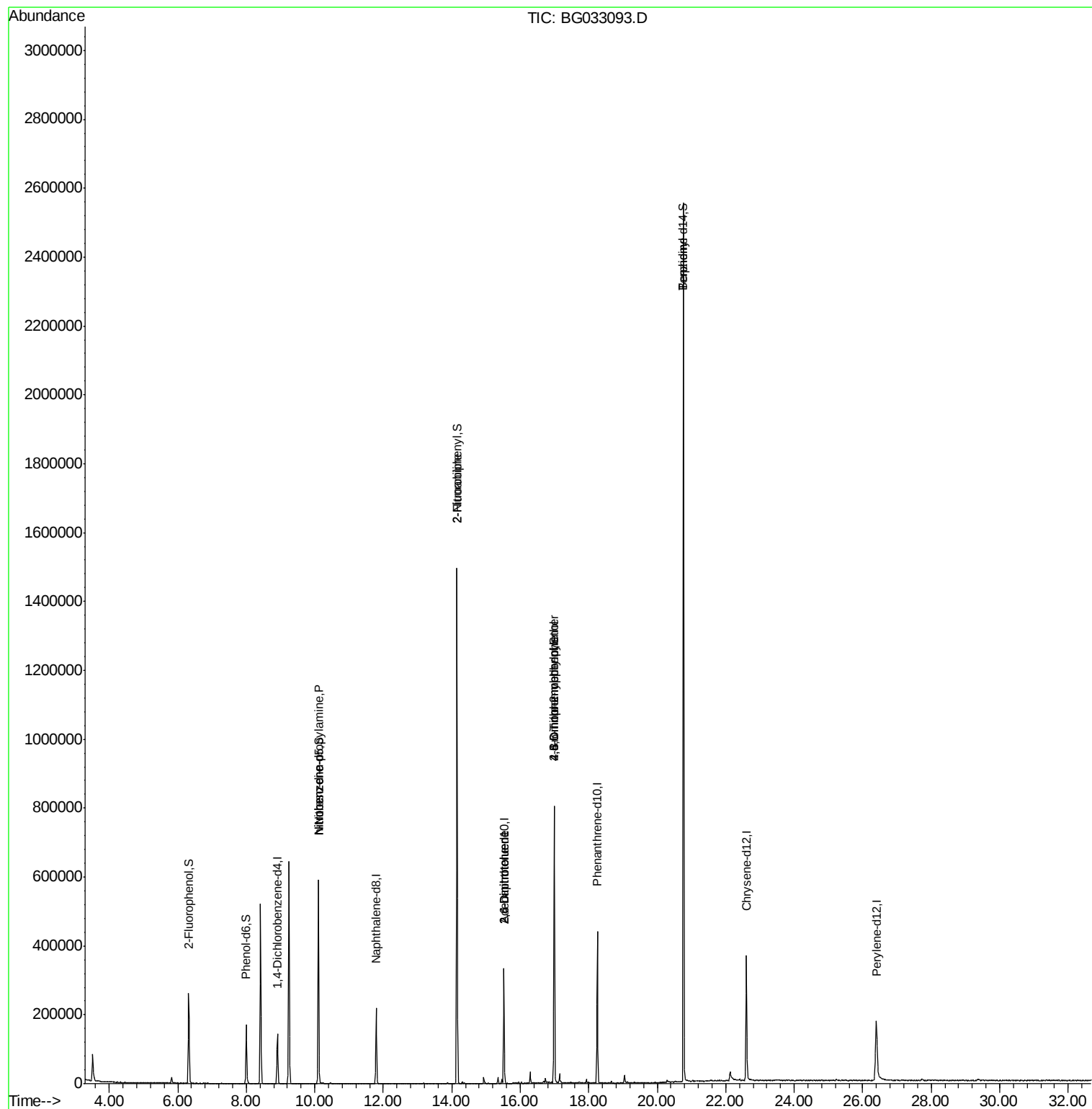
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	42583	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	191706	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	113034	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	262601	20.00	ng	0.00
75) Chrysene-d12	22.60	240	249514	20.00	ng	0.00
86) Perylene-d12	26.40	264	248607	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	124359	46.72	ng	0.00
7) Phenol-d6	8.00	99	106842	28.80	ng	0.00
23) Nitrobenzene-d5	10.11	82	364513	126.47	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	143126	120.42	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	781150	99.67	ng	0.00
78) Terphenyl-d14	20.76	244	1165916	104.98	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	48826	18.642	ng	# 82
24) Nitrobenzene	10.10	77	1101	6.693	ng	# 45
47) 2-Nitroaniline	14.15	65	1418	10.442	ng	# 1
50) 2,6-Dinitrotoluene	15.52	165	14534	16.351	ng	# 18
56) 2,4-Dinitrotoluene	15.52	165	14534	14.549	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.99	198	155	5.199	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	9865	3.553	ng	# 1
76) Benzidine	20.76	184	19451	2.287	ng	# 90

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

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ALS Vial : 11 Sample Multiplier: 1

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BNA_G
ClientSampleId :

Quant Time: Mar 12 17:59:39 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



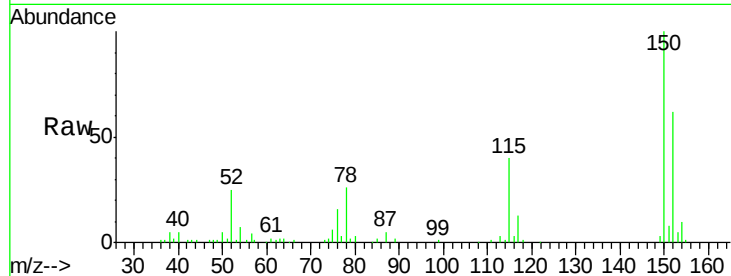


#1

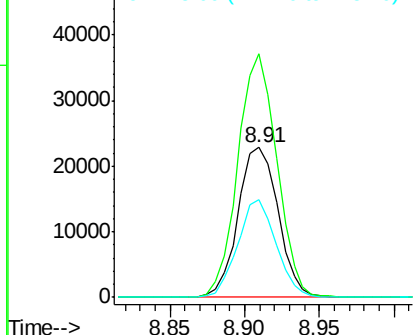
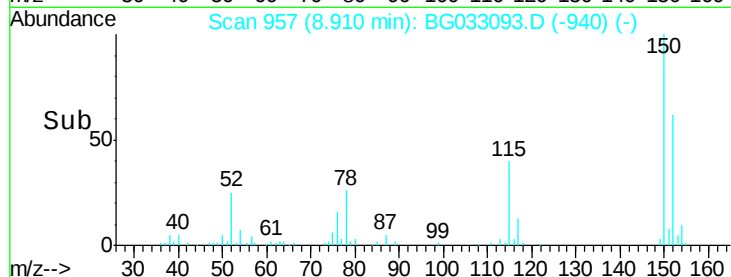
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.00 min
Lab File: BG033093.D
Acq: 12 Mar 2018 17:25

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 42583
Ion Ratio Lower Upper
152 100
150 162.4 126.6 189.8
115 65.0 53.0 79.4



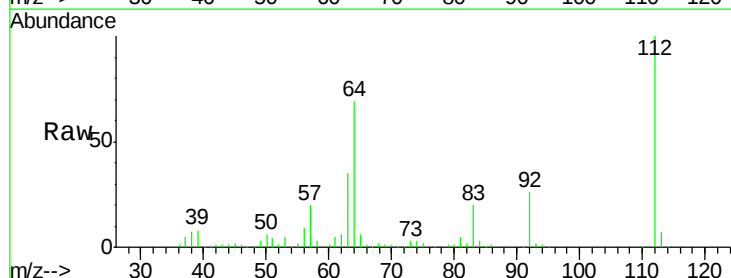
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



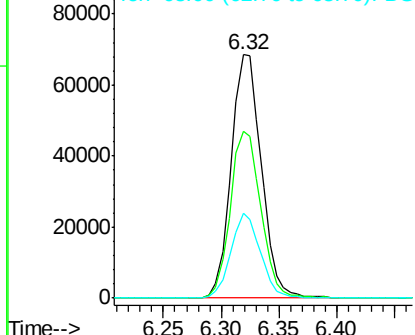
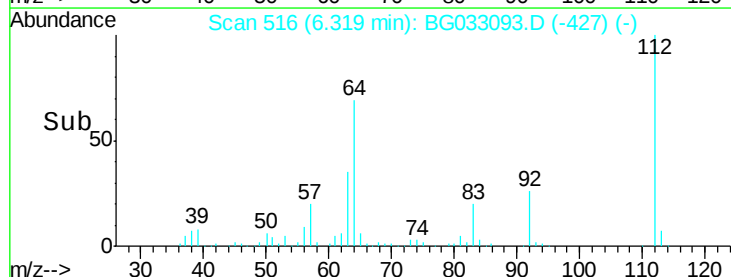
#5

2-Fluorophenol
Concen: 46.722 ng
RT: 6.32 min Scan# 516
Delta R.T. -0.01 min
Lab File: BG033093.D
Acq: 12 Mar 2018 17:25

Tgt Ion:112 Resp: 124359
Ion Ratio Lower Upper
112 100
64 68.7 56.3 84.5
63 35.0 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: 28.798 ng

RT: 8.00 min Scan# 803

Delta R.T. 0.00 min

Lab File: BG033093.D

Acq: 12 Mar 2018 17:25

Instrument :

BNA_G

ClientSampleId :

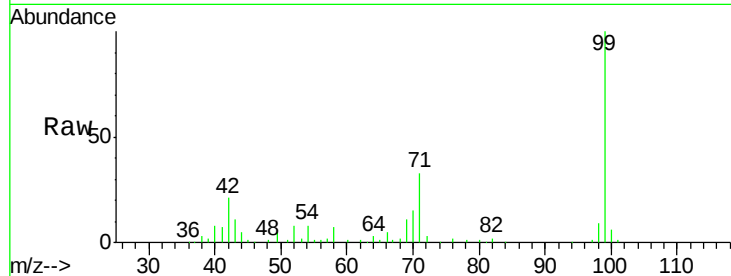
Tot Ion: 99 Resp: 106842

Ion Ratio Lower Upper

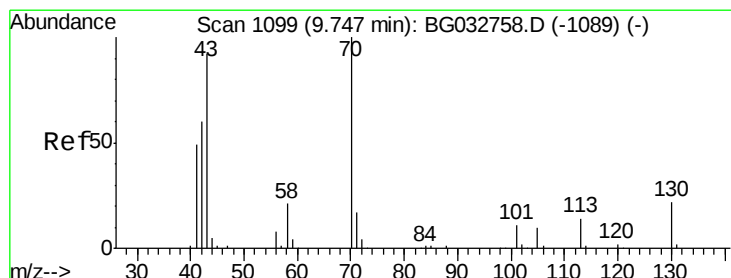
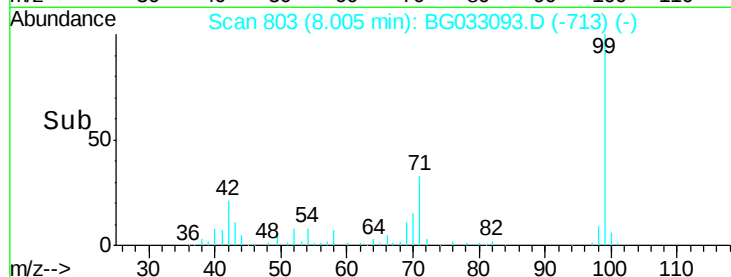
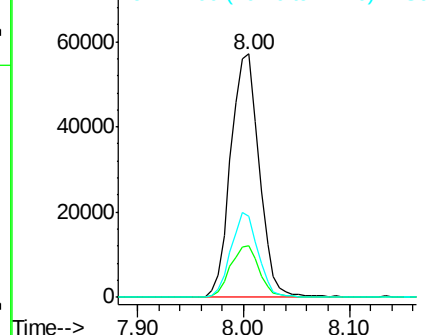
99 100

42 21.3 14.1 21.1#

71 33.3 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: 18.642 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.39 min

Lab File: BG033093.D

Acq: 12 Mar 2018 17:25

Tgt Ion: 70 Resp: 48826

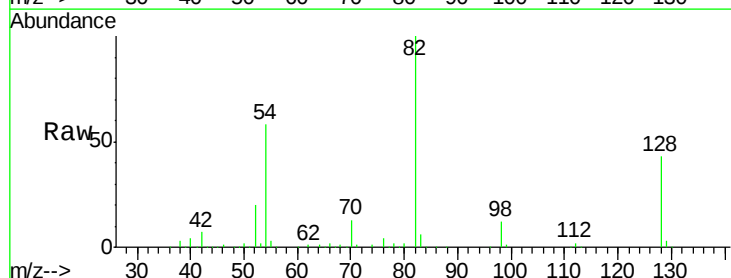
Ion Ratio Lower Upper

70 100

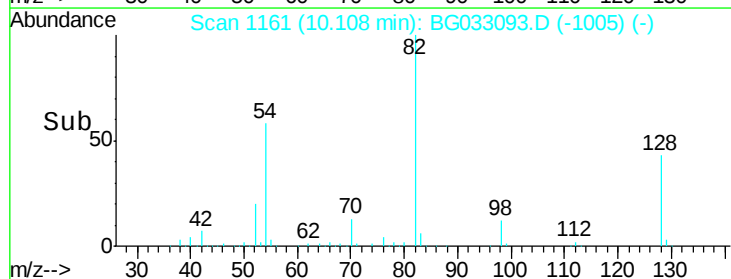
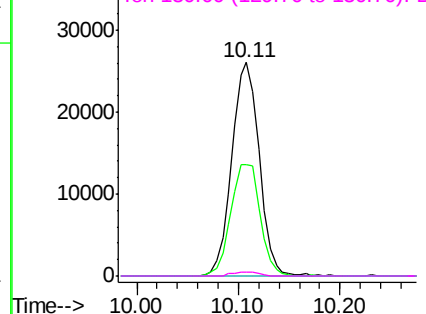
42 52.3 49.1 73.7

101 0.0 8.5 12.7#

130 1.7 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

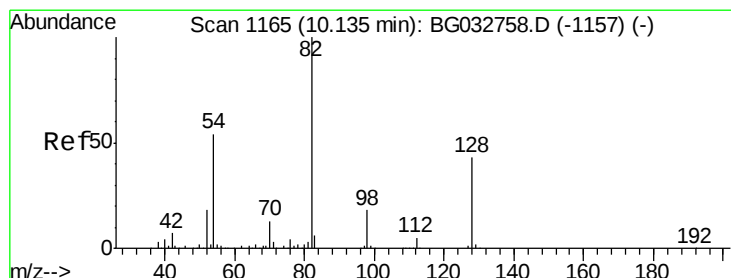
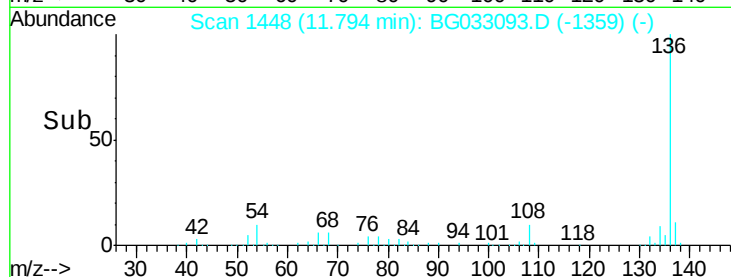
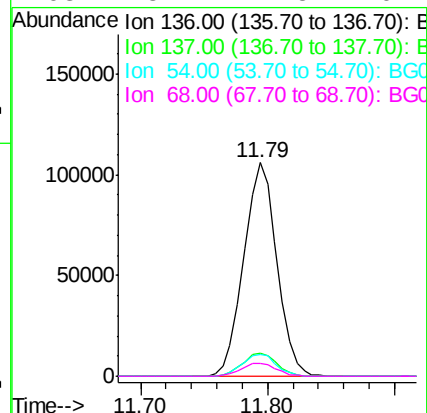
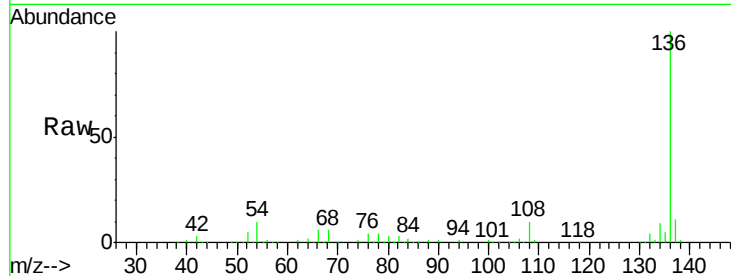




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG033093.D
Acq: 12 Mar 2018 17:25

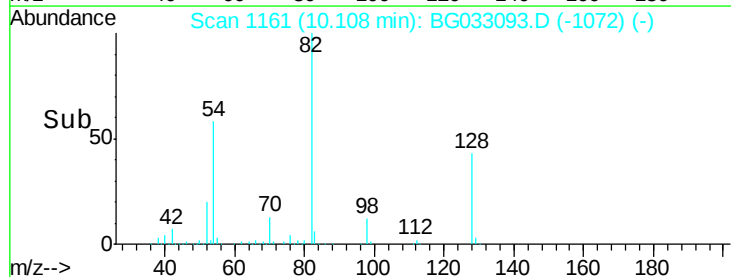
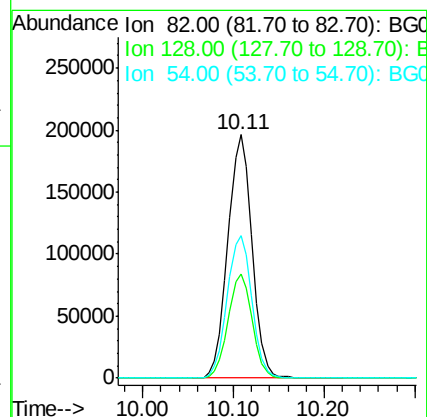
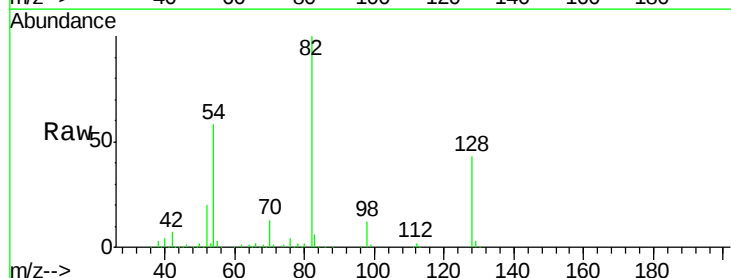
Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	191706
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.2 13.8
54	10.3	10.3 15.5
68	5.7	4.5 6.7



#23
Nitrobenzene-d5
Concen: 126.474 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG033093.D
Acq: 12 Mar 2018 17:25

Tgt Ion: 82	Resp:	364513
Ion Ratio	Lower	Upper
82	100	
128	42.8	29.7 44.5
54	58.4	43.1 64.7





#24

Nitrobenzene

Concen: 6.693 ng

RT: 10.10 min Scan# 1160

Delta R.T. -0.05 min

Lab File: BG033093.D

Acq: 12 Mar 2018 17:25

Instrument :

BNA_G

ClientSampleId :

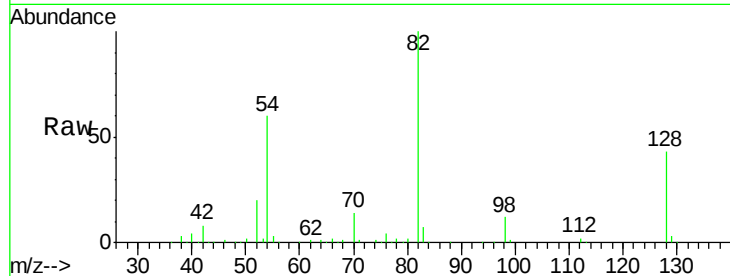
Tot Ion: 77 Resp: 1101

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

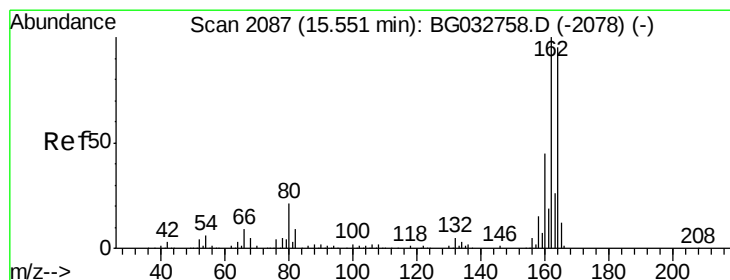
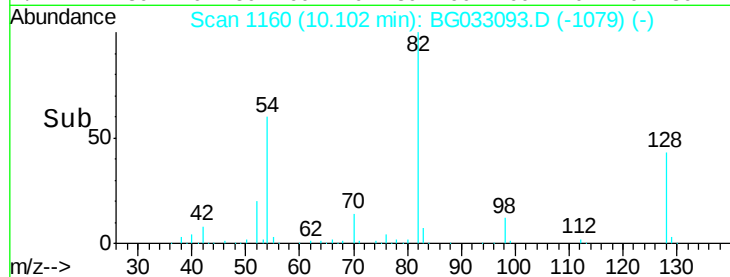
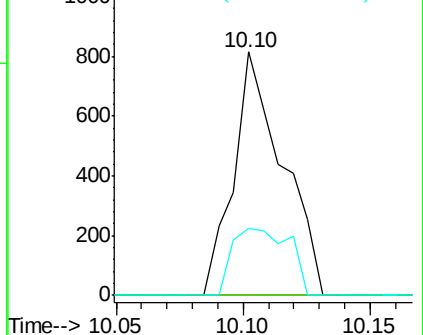
65 27.5 13.0 19.6#



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: BG033093.D

Acq: 12 Mar 2018 17:25

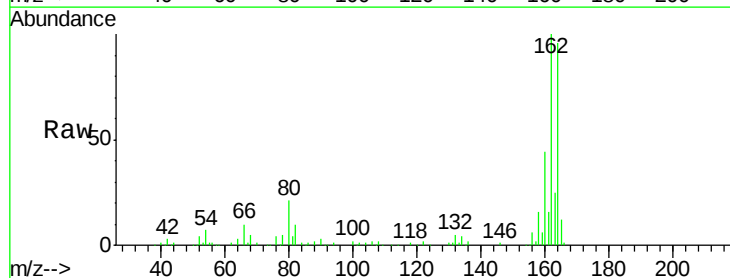
Tgt Ion:164 Resp: 113034

Ion Ratio Lower Upper

164 100

162 104.1 78.8 118.2

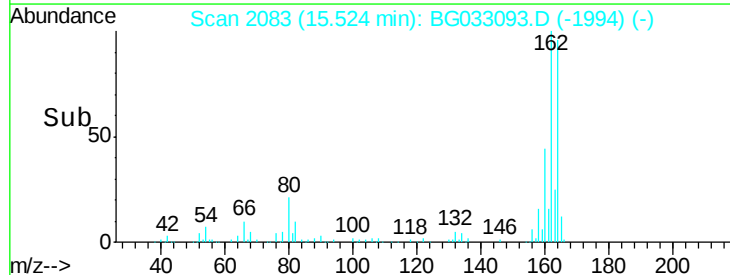
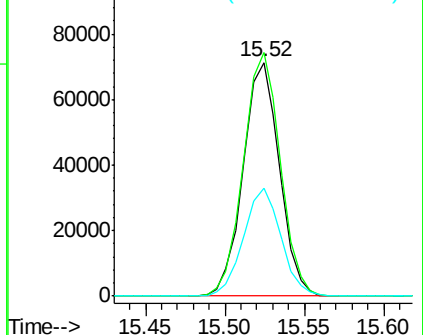
160 45.9 35.4 53.0

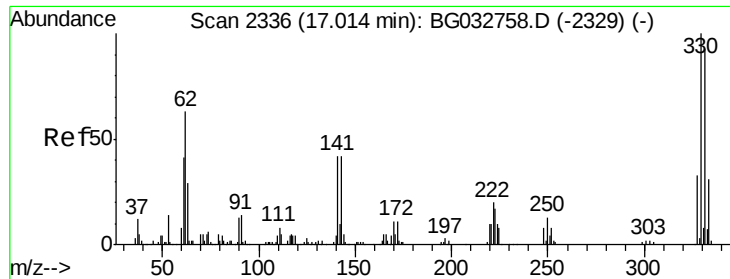


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC





#41

2,4,6-Tribromophenol

Concen: 120.424 ng

RT: 16.99 min Scan# 2333

Delta R.T. -0.01 min

Lab File: BG033093.D

Acq: 12 Mar 2018 17:25

Instrument :

BNA_G

ClientSampleId :

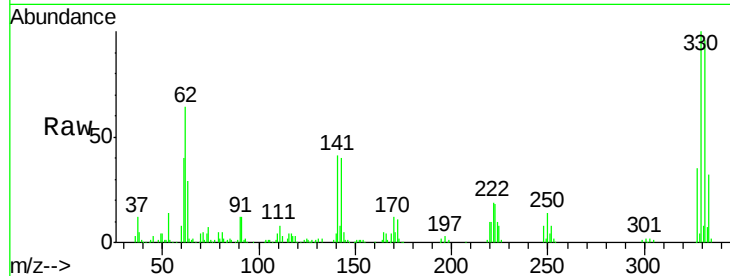
Tot Ion:330 Resp: 143126

Ion Ratio Lower Upper

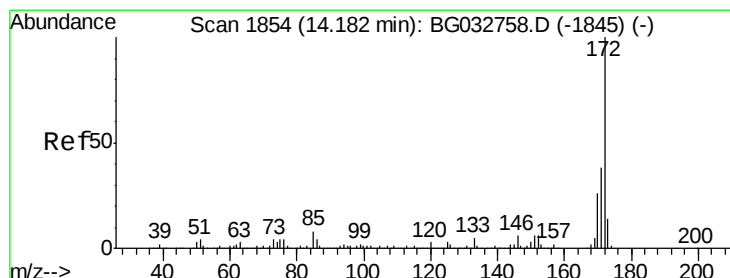
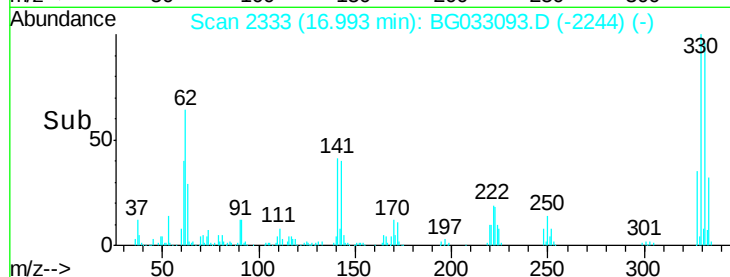
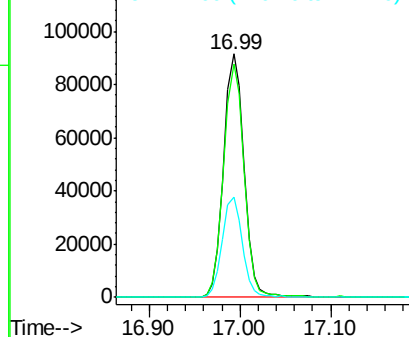
330 100

332 96.3 77.0 115.6

141 40.6 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: 99.670 ng

RT: 14.15 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BG033093.D

Acq: 12 Mar 2018 17:25

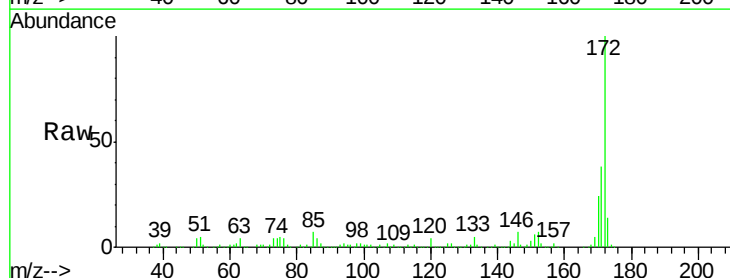
Tgt Ion:172 Resp: 781150

Ion Ratio Lower Upper

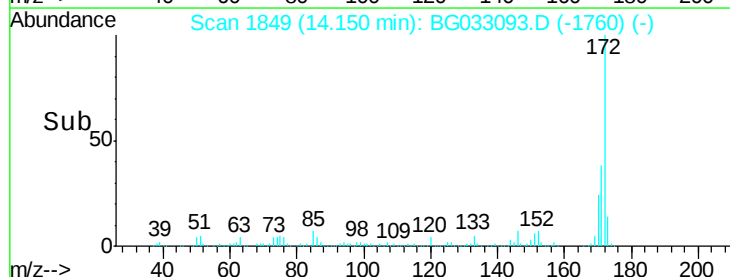
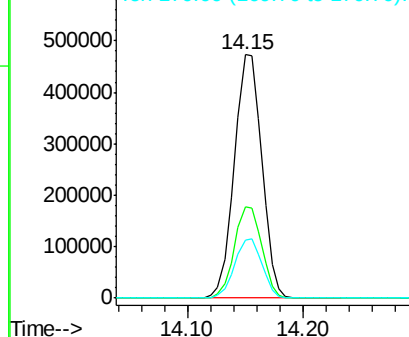
172 100

171 37.6 30.0 45.0

170 24.0 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

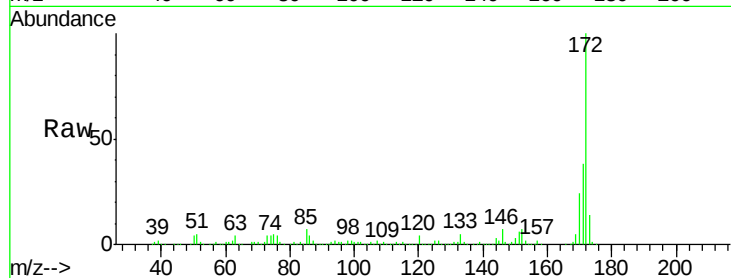




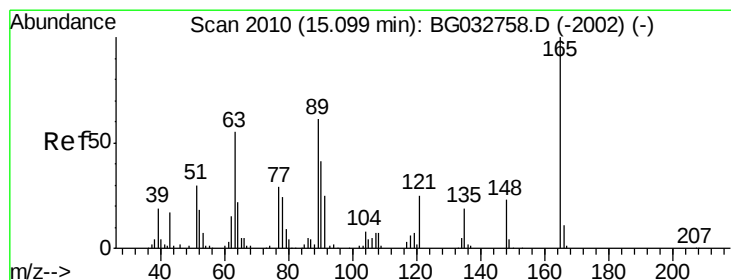
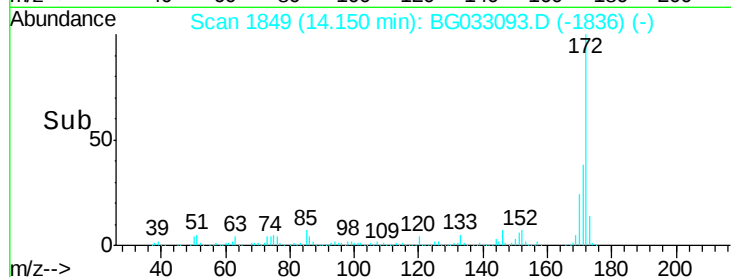
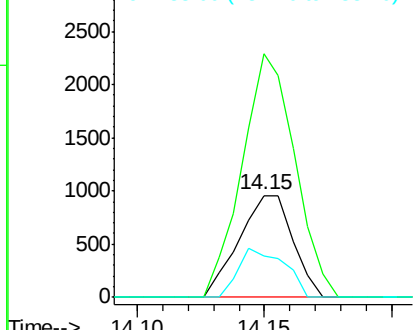
#47
2-Nitroaniline
Concen: 10.442 ng
RT: 14.15 min Scan# 1849
Delta R.T. -0.45 min
Lab File: BG033093.D
Acq: 12 Mar 2018 17:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 65 Resp: 1418
Ion Ratio Lower Upper
65 100
92 238.5 54.6 82.0#
138 39.9 72.9 109.3#

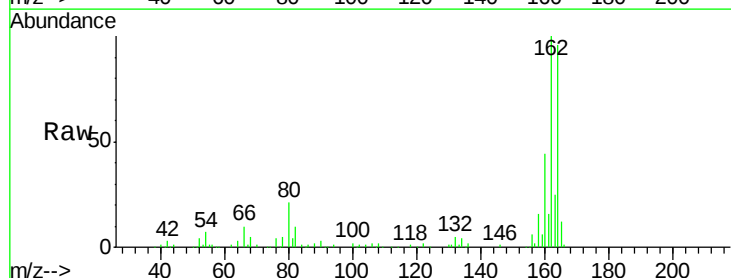


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

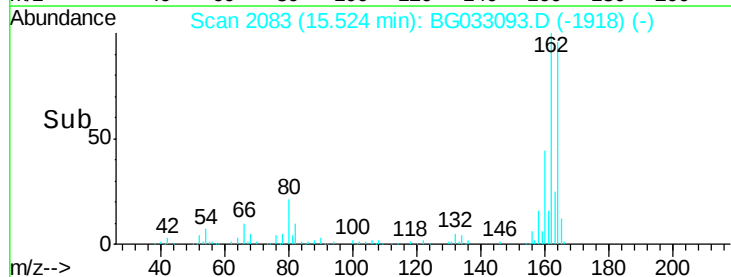
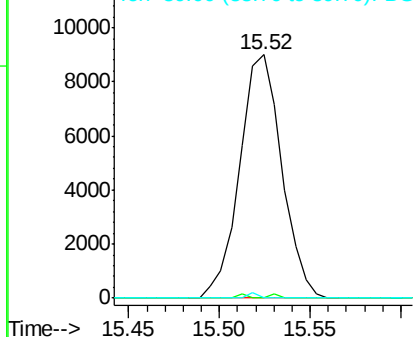


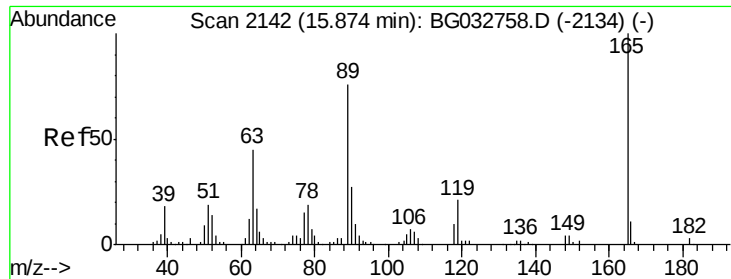
#50
2,6-Dinitrotoluene
Concen: 16.351 ng
RT: 15.52 min Scan# 2083
Delta R.T. 0.44 min
Lab File: BG033093.D
Acq: 12 Mar 2018 17:25

Tgt Ion:165 Resp: 14534
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 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

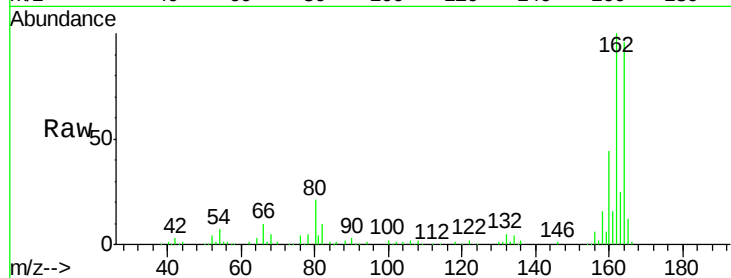




#56
 2,4-Dinitrotoluene
 Concen: 14.549 ng
 RT: 15.52 min Scan# 2083
 Delta R.T. -0.33 min
 Lab File: BG033093.D
 Acq: 12 Mar 2018 17:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	165	Resp:	14534
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#

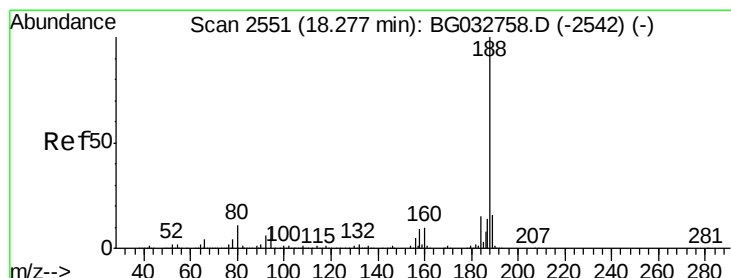
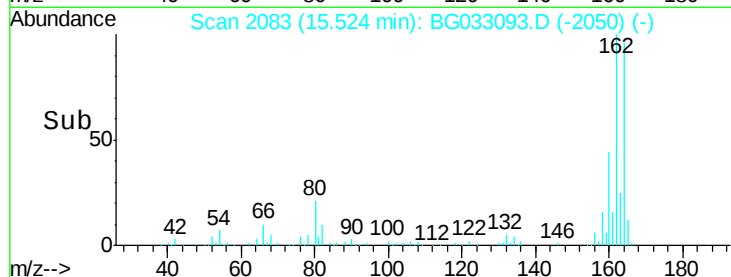
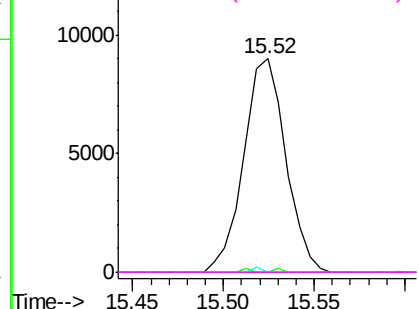


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

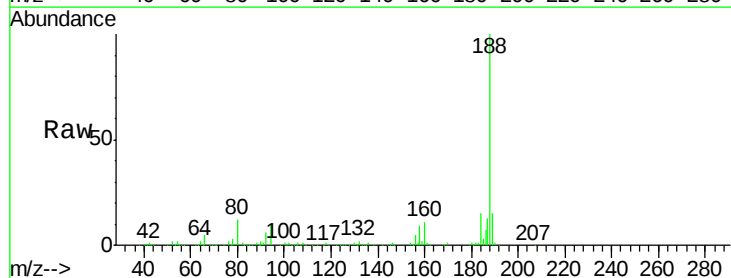
Ion 89.00 (88.70 to 89.70): BGC

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: BG033093.D
 Acq: 12 Mar 2018 17:25

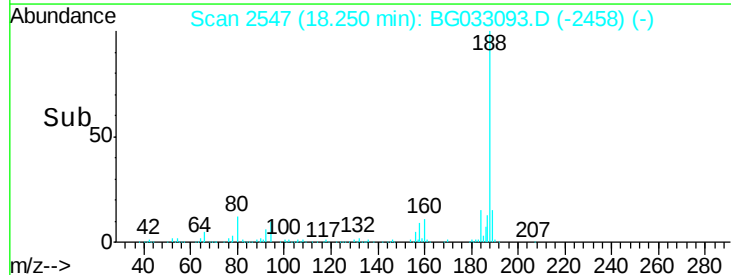
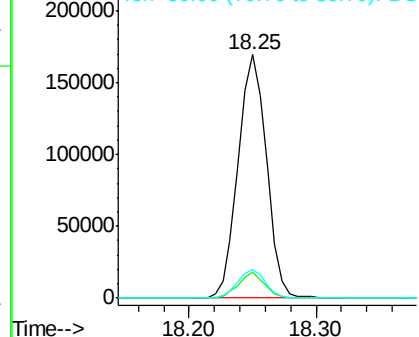
Tgt Ion:	188	Resp:	262601
Ion	Ratio	Lower	Upper
188	100		
94	10.5	6.9	10.3#
80	11.8	7.7	11.5#

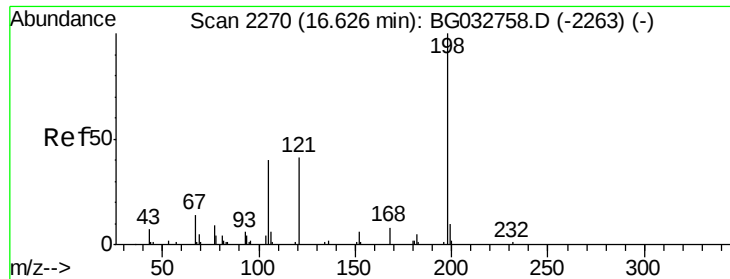


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

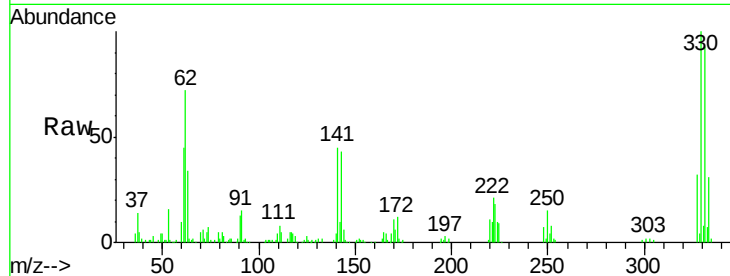




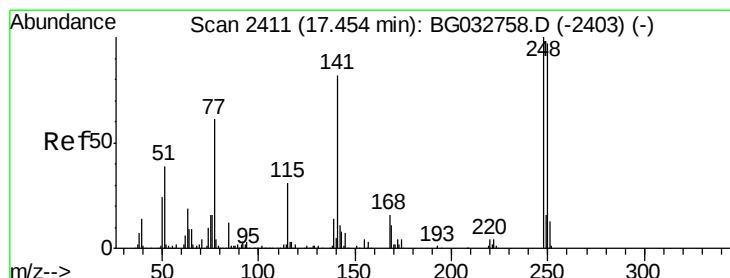
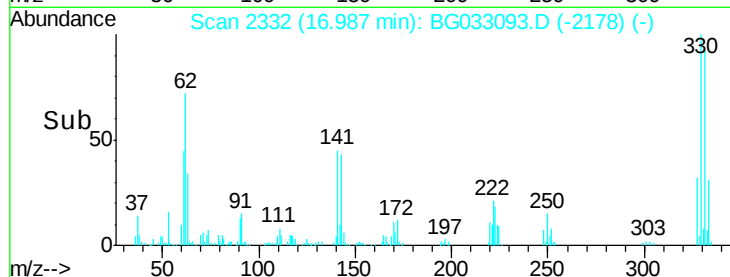
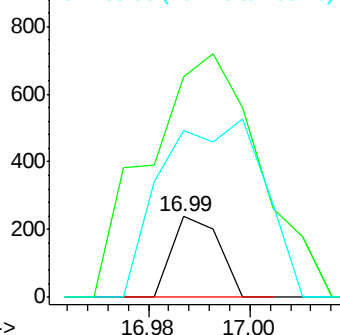
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.199 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. 0.38 min
 Lab File: BG033093.D
 Acq: 12 Mar 2018 17:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	272.4	30.6	70.6#
105	206.7	23.8	63.8#

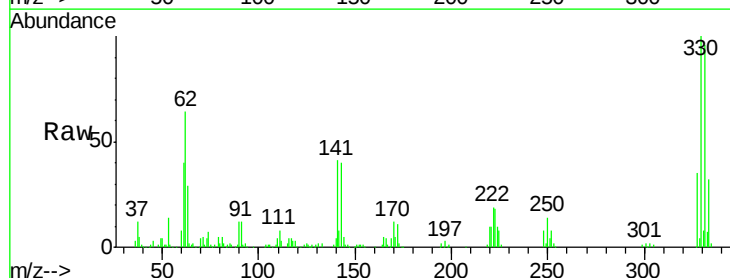


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

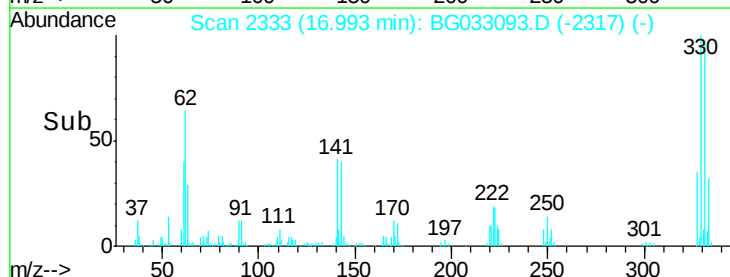
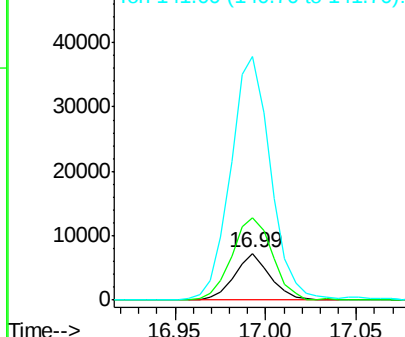


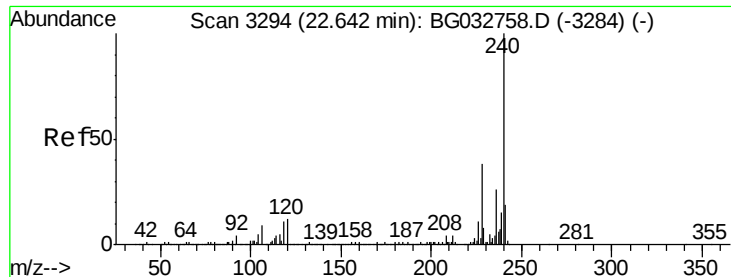
#66
 4-Bromophenyl-phenylether
 Concen: 3.553 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.43 min
 Lab File: BG033093.D
 Acq: 12 Mar 2018 17:25

Tgt Ion	Ratio	Lower	Upper
248	100		
250	177.1	77.1	115.7#
141	521.0	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: BG033093.D

Acq: 12 Mar 2018 17:25

Instrument :

BNA_G

ClientSampleId :

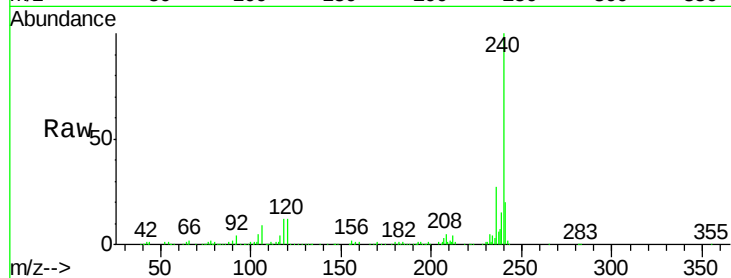
Tot Ion:240 Resp: 249514

Ion Ratio Lower Upper

240 100

120 12.3 6.8 10.2#

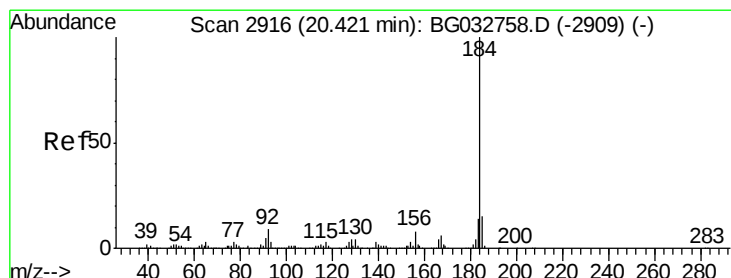
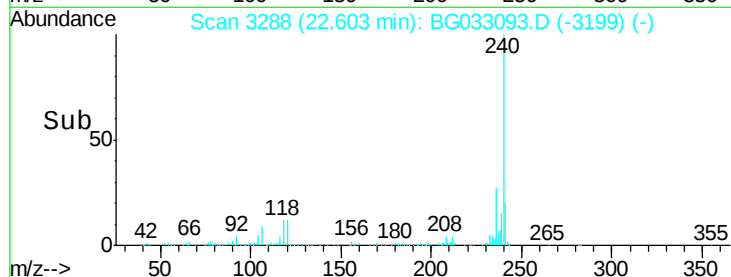
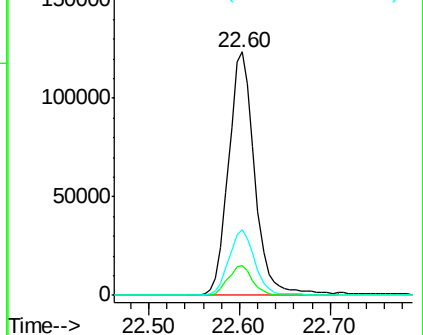
236 26.8 20.9 31.3



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: 2.287 ng

RT: 20.76 min Scan# 2975

Delta R.T. 0.36 min

Lab File: BG033093.D

Acq: 12 Mar 2018 17:25

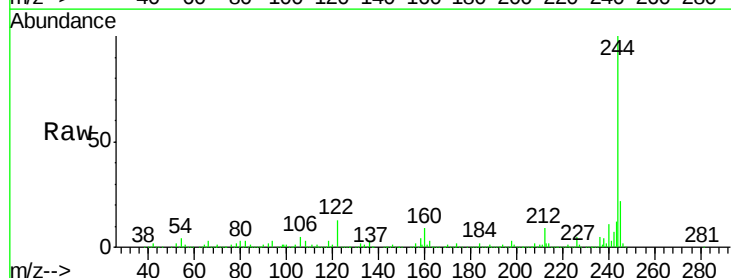
Tgt Ion:184 Resp: 19451

Ion Ratio Lower Upper

184 100

185 17.6 11.1 16.7#

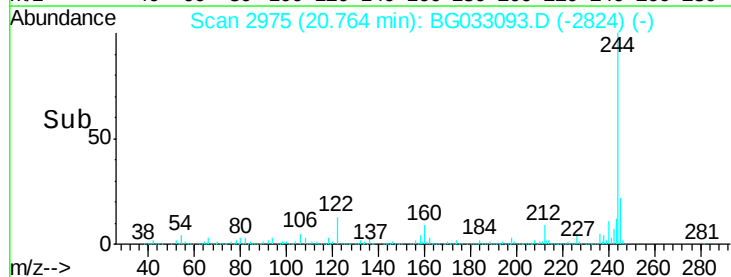
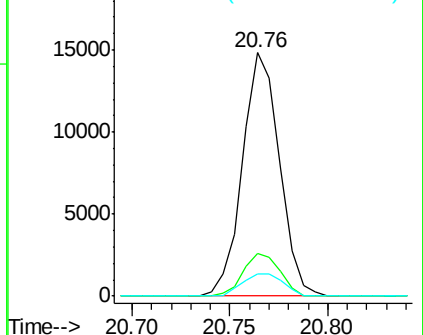
183 9.2 10.6 16.0#

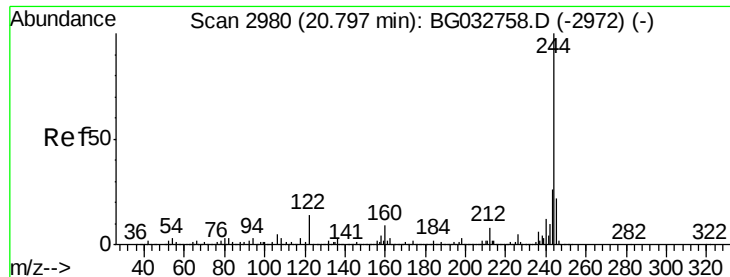


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 104.984 ng

RT: 20.76 min Scan# 2975

Delta R.T. -0.01 min

Lab File: BG033093.D

Acq: 12 Mar 2018 17:25

Instrument :

BNA_G

ClientSampleId :

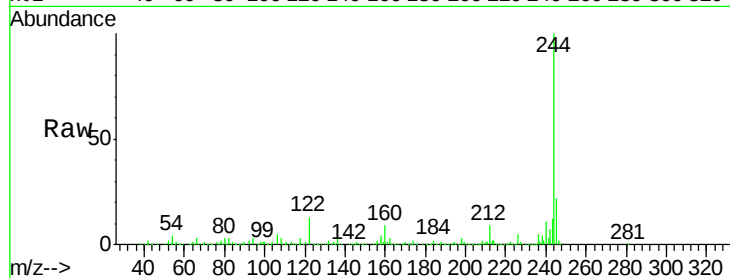
Tot Ion:244 Resp: 1165916

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

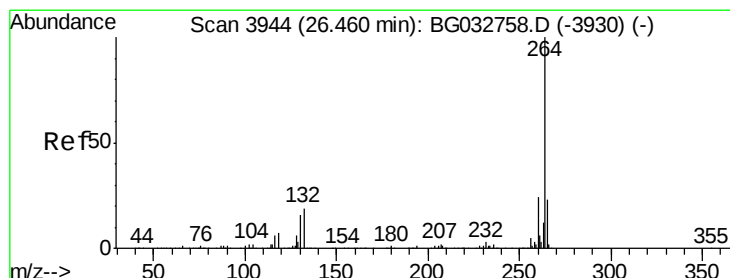
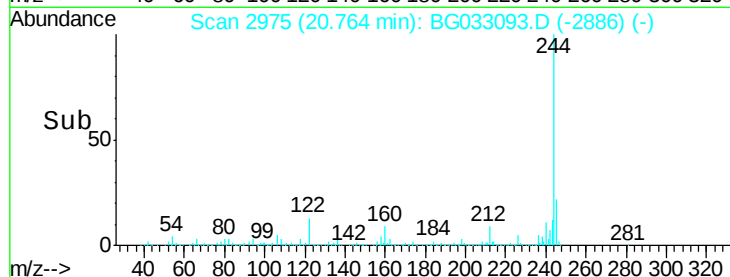
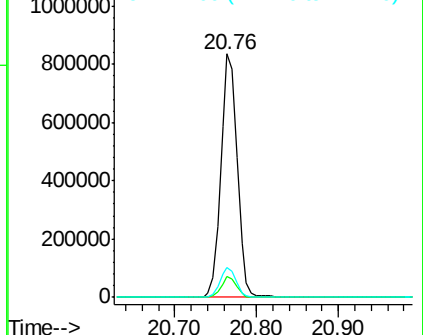
122 12.5 7.0 10.4#



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: 26.40 min Scan# 3934

Delta R.T. -0.01 min

Lab File: BG033093.D

Acq: 12 Mar 2018 17:25

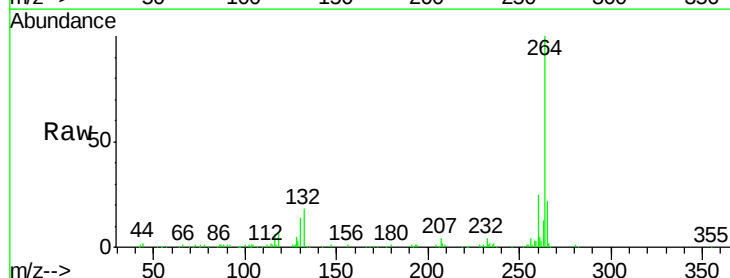
Tgt Ion:264 Resp: 248607

Ion Ratio Lower Upper

264 100

260 24.5 17.4 26.0

265 22.2 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

