

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031518\
 Data File : BG033194.D
 Acq On : 16 Mar 2018 2:03
 Operator : SJ/JU
 Sample : PB107389TB
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 16 04:58:44 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

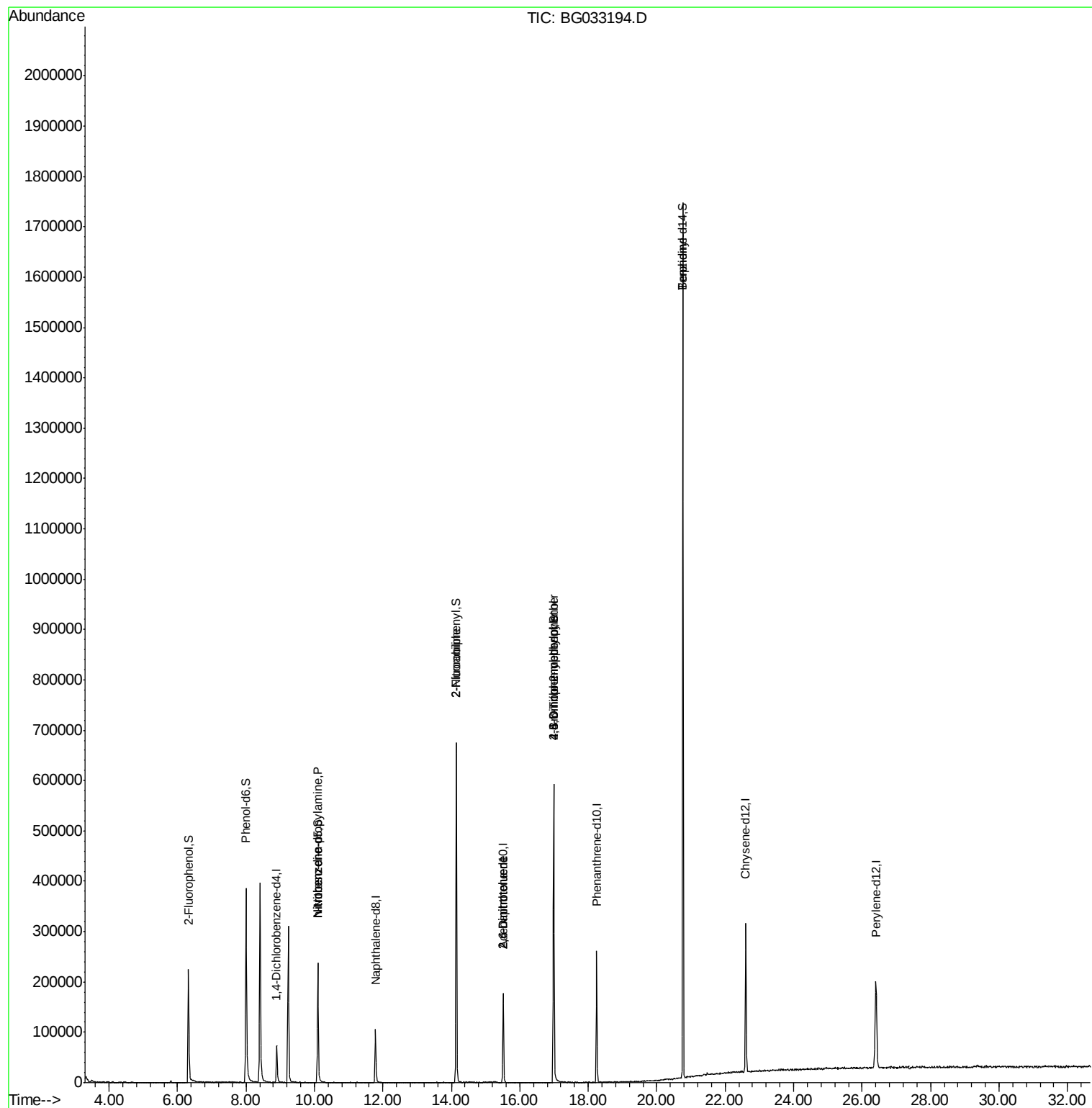
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	26048	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	110579	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	62274	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	171067	20.00	ng	0.00
75) Chrysene-d12	22.60	240	196997	20.00	ng	0.00
86) Perylene-d12	26.41	264	216655	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	122636	75.32	ng	0.00
7) Phenol-d6	8.00	99	277747	122.39	ng	0.00
23) Nitrobenzene-d5	10.10	82	166604	102.27	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	131834	201.34	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	390893	90.53	ng	0.00
78) Terphenyl-d14	20.77	244	818861	93.39	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.09	70	22222	13.870	ng	# 85
24) Nitrobenzene	10.10	77	479	6.616	ng	# 42
47) 2-Nitroaniline	14.15	65	692	10.372	ng	# 25
50) 2,6-Dinitrotoluene	15.51	165	8217	16.546	ng	# 18
56) 2,4-Dinitrotoluene	15.51	165	8217	14.745	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.98	198	132	5.277	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	8226	4.548	ng	# 1
76) Benzidine	20.77	184	13668	2.035	ng	# 92

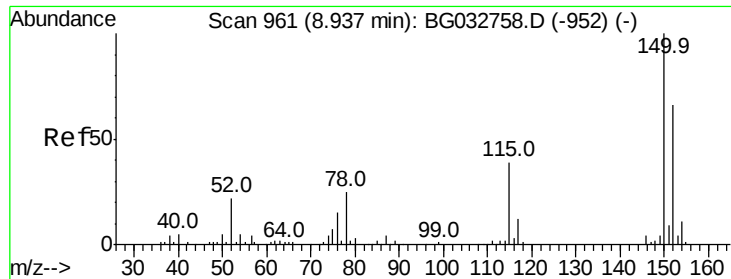
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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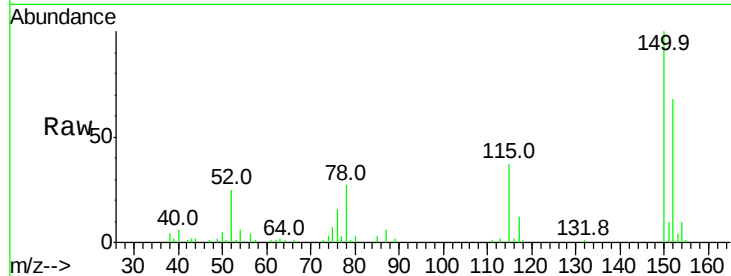


#1

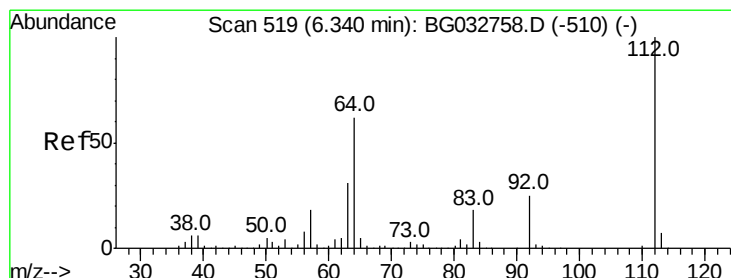
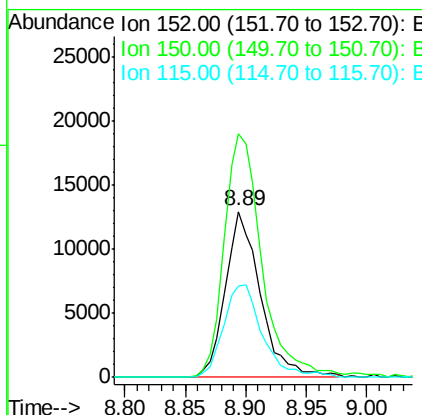
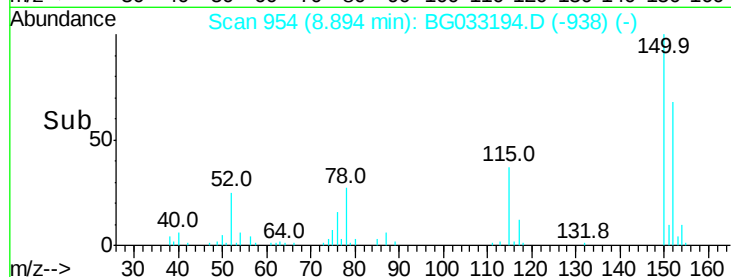
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033194.D
Acq: 16 Mar 2018 2:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 26048
Ion Ratio Lower Upper
152 100
150 146.9 126.6 189.8
115 54.8 53.0 79.4



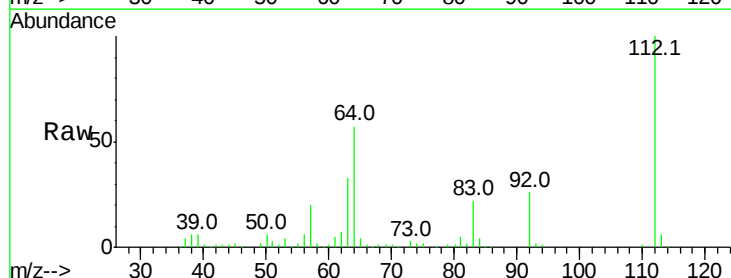
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



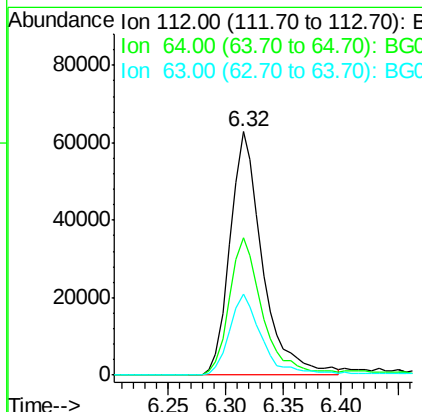
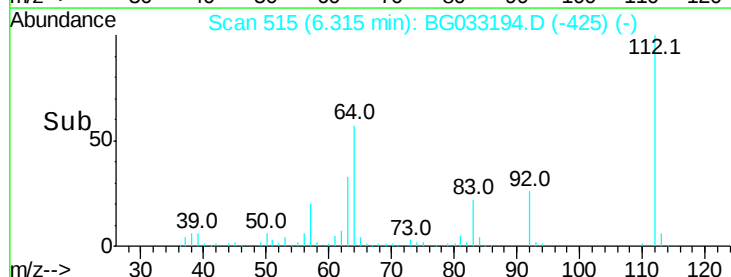
#5

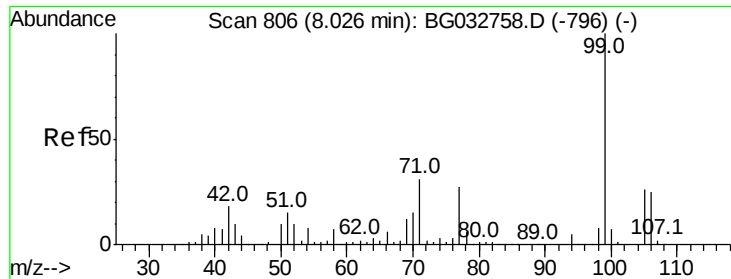
2-Fluorophenol
Concen: 75.322 ng
RT: 6.32 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033194.D
Acq: 16 Mar 2018 2:03

Tgt Ion:112 Resp: 122636
Ion Ratio Lower Upper
112 100
64 56.6 56.3 84.5
63 33.3 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: 122.387 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033194.D

Acq: 16 Mar 2018 2:03

Instrument :

BNA_G

ClientSampleId :

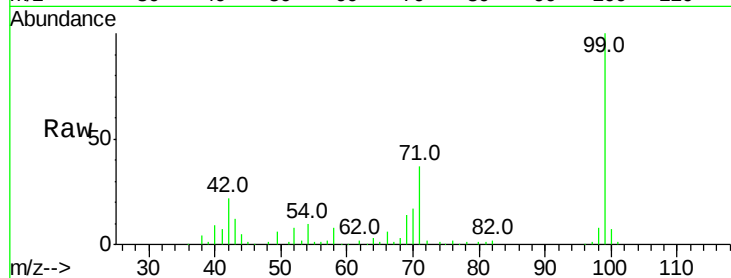
Tot Ion: 99 Resp: 277747

Ion Ratio Lower Upper

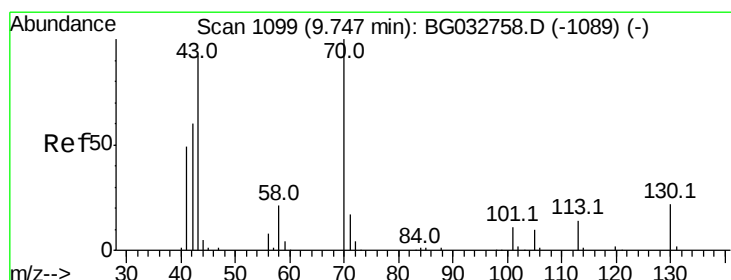
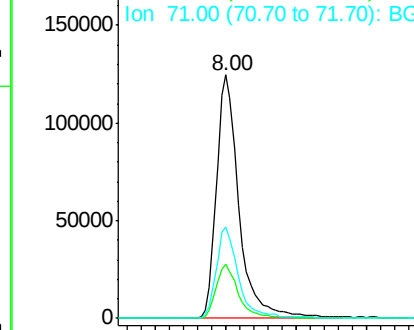
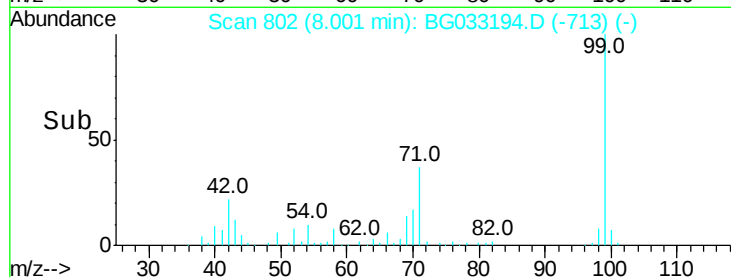
99 100

42 22.1 14.1 21.1#

71 37.4 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: 13.870 ng

RT: 10.09 min Scan# 1158

Delta R.T. 0.38 min

Lab File: BG033194.D

Acq: 16 Mar 2018 2:03

Tgt Ion: 70 Resp: 22222

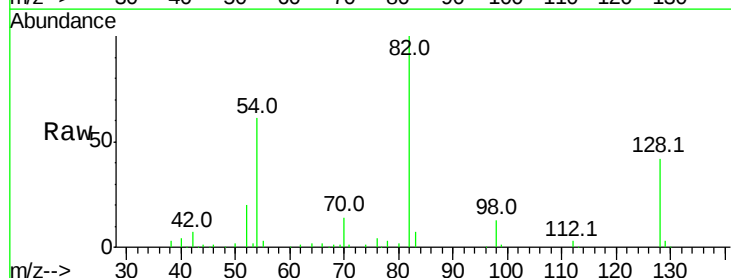
Ion Ratio Lower Upper

70 100

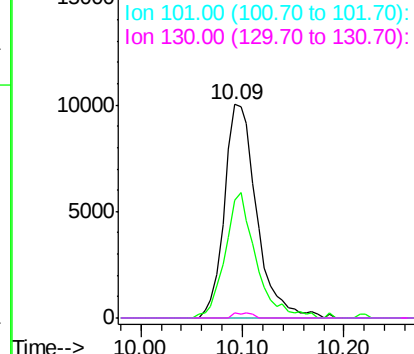
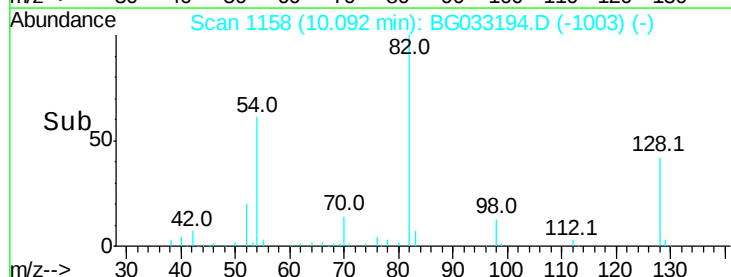
42 55.1 49.1 73.7

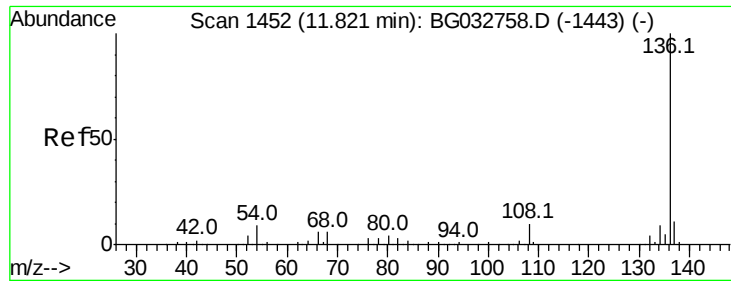
101 0.0 8.5 12.7#

130 2.1 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

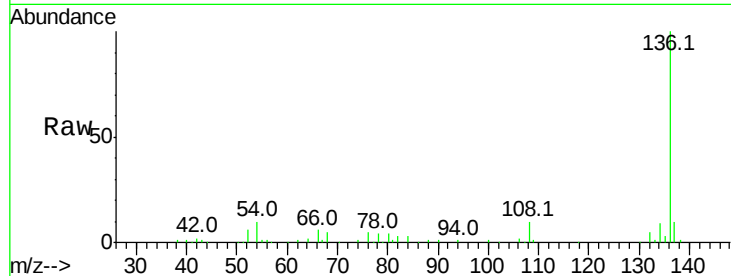




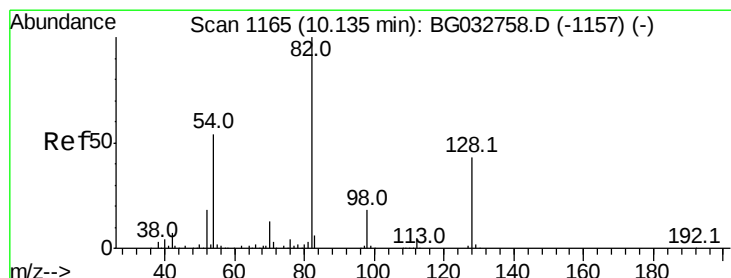
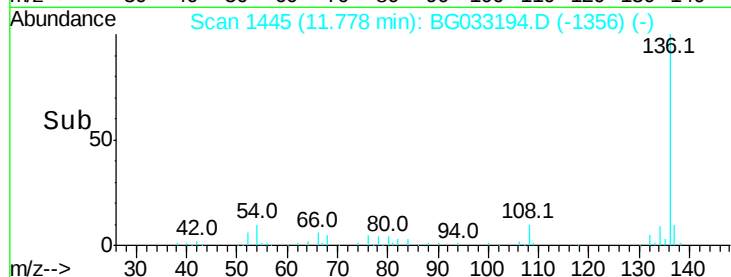
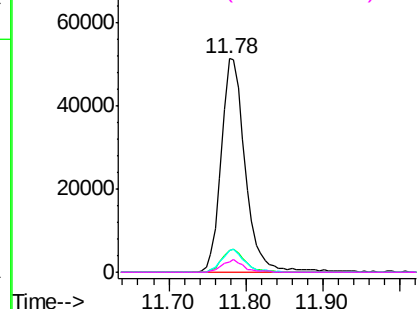
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BG033194.D
Acq: 16 Mar 2018 2:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	110579
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	10.4	10.3	15.5
68	4.6	4.5	6.7

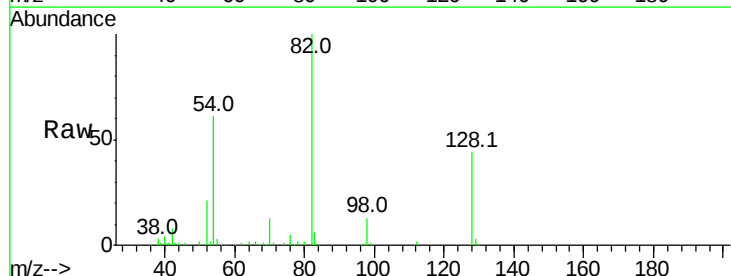


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

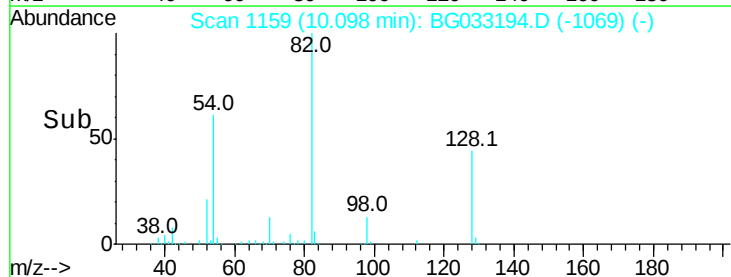
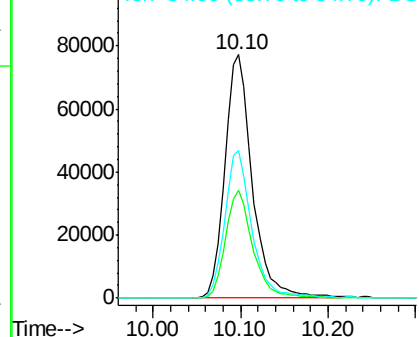


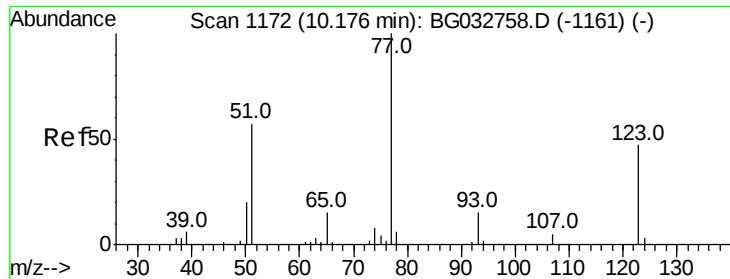
#23
Nitrobenzene-d5
Concen: 102.274 ng
RT: 10.10 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BG033194.D
Acq: 16 Mar 2018 2:03

Tgt Ion:	82	Resp:	166604
Ion	Ratio	Lower	Upper
82	100		
128	44.3	29.7	44.5
54	60.5	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: 6.616 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.04 min

Lab File: BG033194.D

Acq: 16 Mar 2018 2:03

Instrument :

BNA_G

ClientSampled :

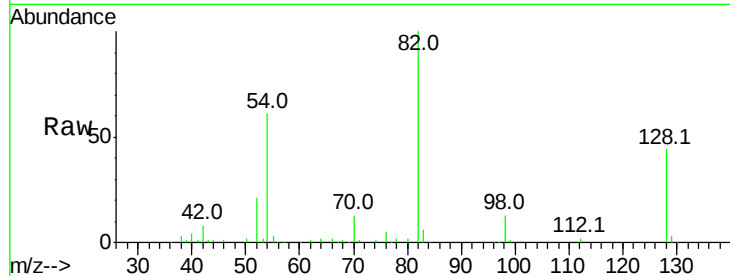
Tot Ion: 77 Resp: 479

Ion Ratio Lower Upper

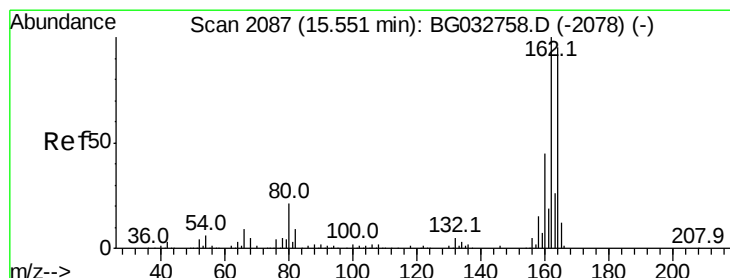
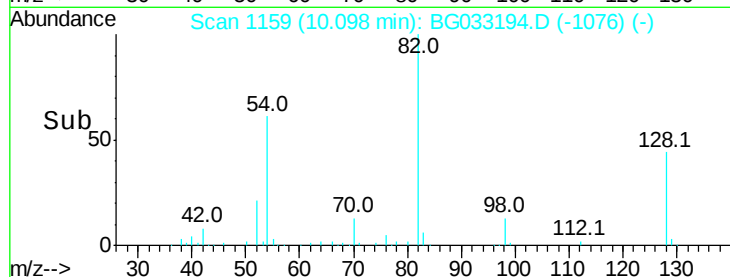
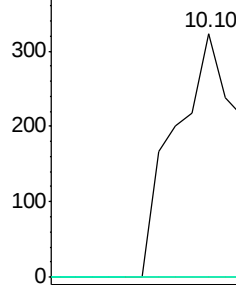
77 100

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: 15.51 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033194.D

Acq: 16 Mar 2018 2:03

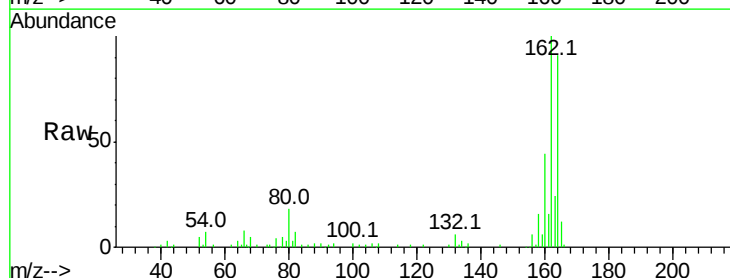
Tgt Ion:164 Resp: 62274

Ion Ratio Lower Upper

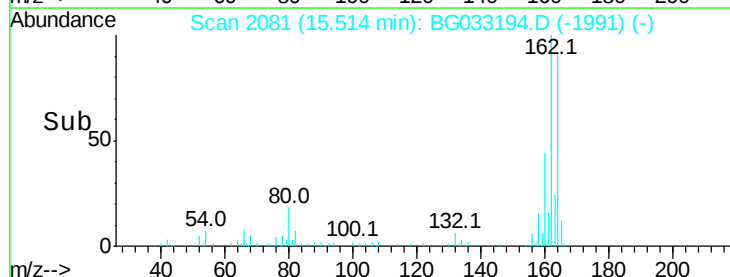
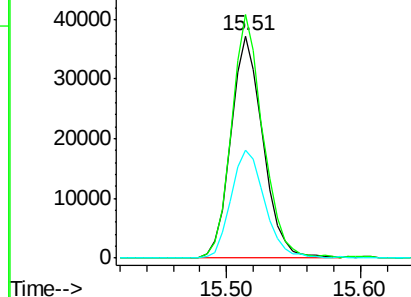
164 100

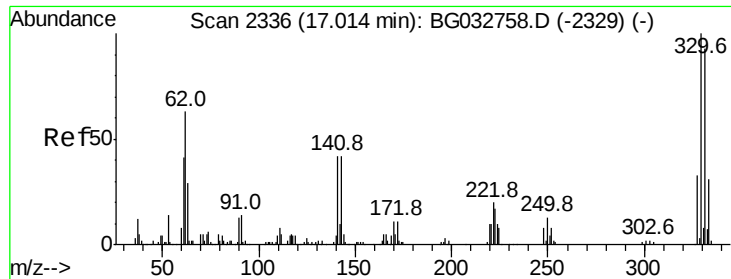
162 109.6 78.8 118.2

160 48.6 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

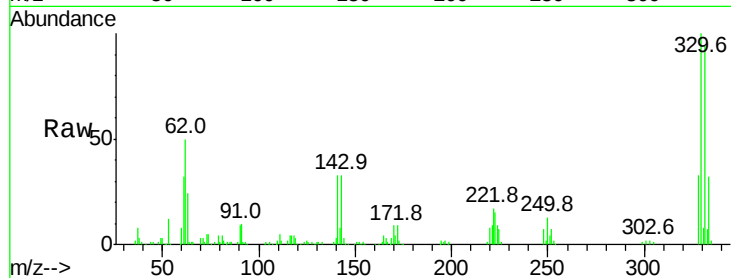




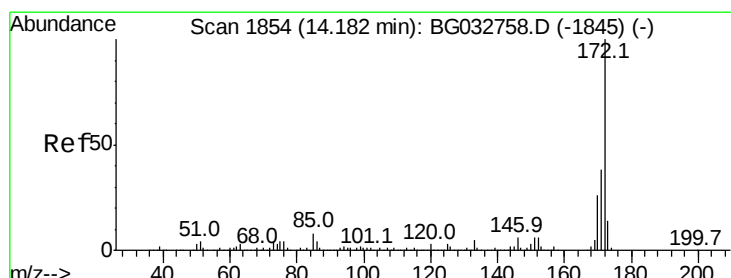
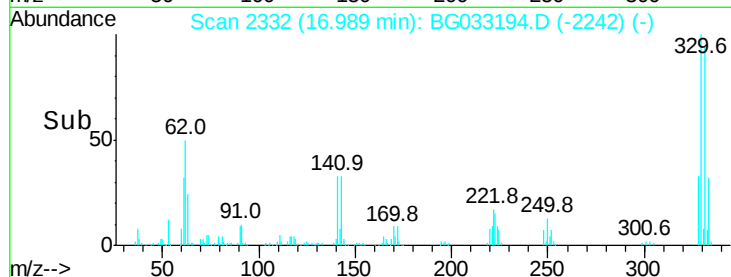
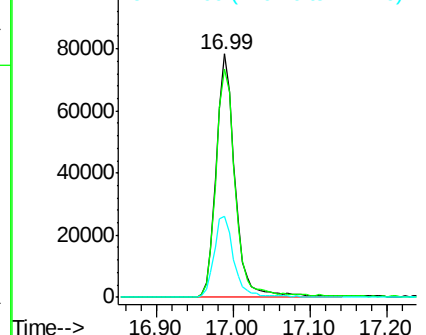
#41
 2,4,6-Tribromophenol
 Concen: 201.338 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: BG033194.D
 Acq: 16 Mar 2018 2:03

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 131834
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 35.2 25.2 37.8

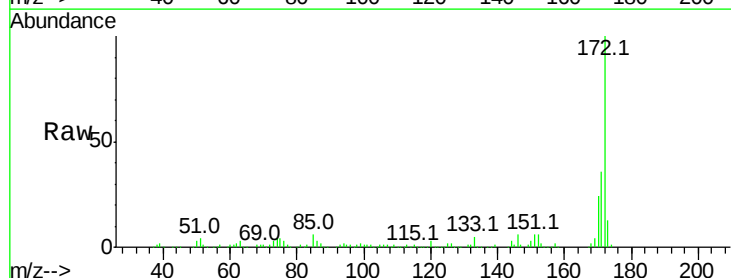


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

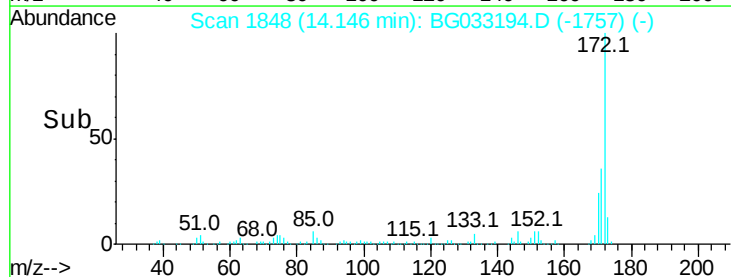
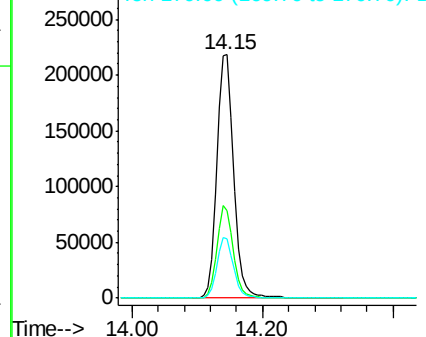


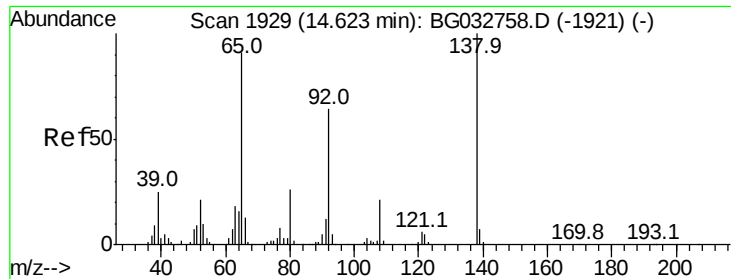
#44
 2-Fluorobiphenyl
 Concen: 90.530 ng
 RT: 14.15 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BG033194.D
 Acq: 16 Mar 2018 2:03

Tgt Ion:172 Resp: 390893
 Ion Ratio Lower Upper
 172 100
 171 36.1 30.0 45.0
 170 24.4 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: 10.372 ng

RT: 14.15 min Scan# 1848

Delta R.T. -0.46 min

Lab File: BG033194.D

Acq: 16 Mar 2018 2:03

Instrument :

BNA_G

ClientSampled :

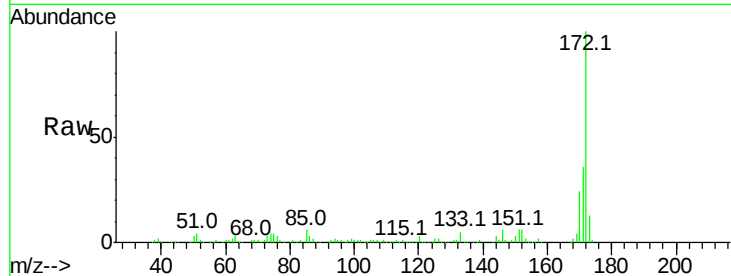
Tot Ion: 65 Resp: 692

Ion Ratio Lower Upper

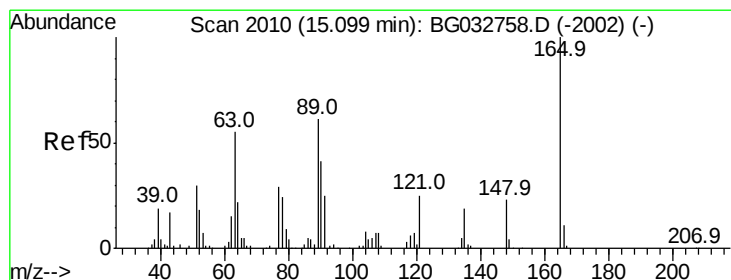
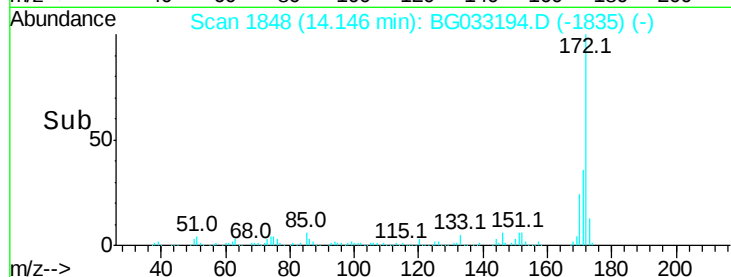
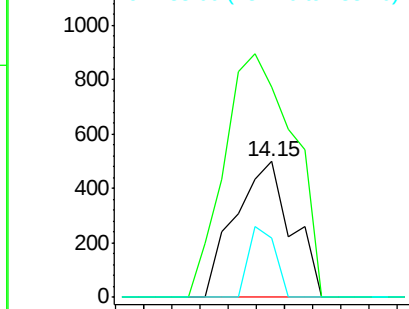
65 100

92 155.5 54.6 82.0#

138 43.7 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: 16.546 ng

RT: 15.51 min Scan# 2081

Delta R.T. 0.44 min

Lab File: BG033194.D

Acq: 16 Mar 2018 2:03

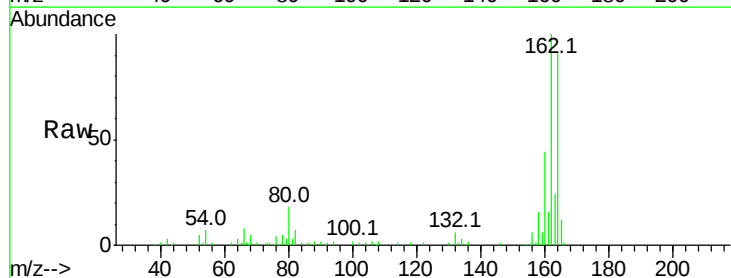
Tgt Ion:165 Resp: 8217

Ion Ratio Lower Upper

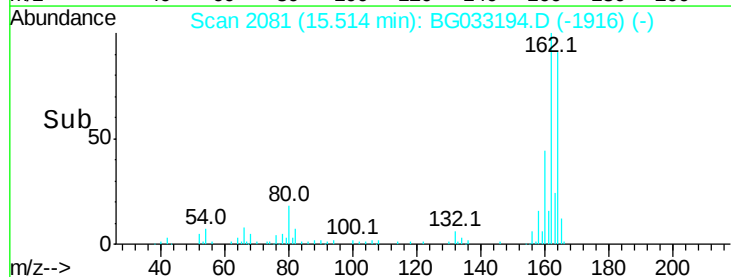
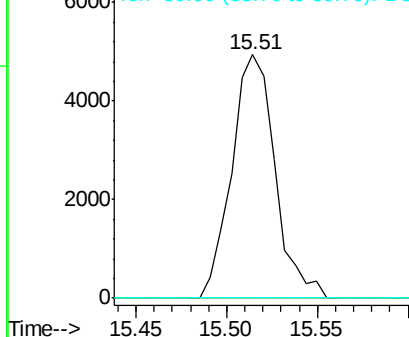
165 100

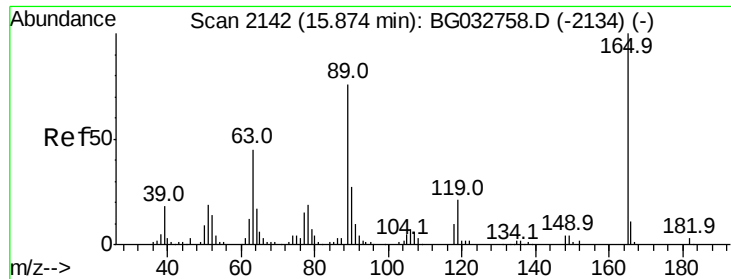
63 0.0 52.7 79.1#

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

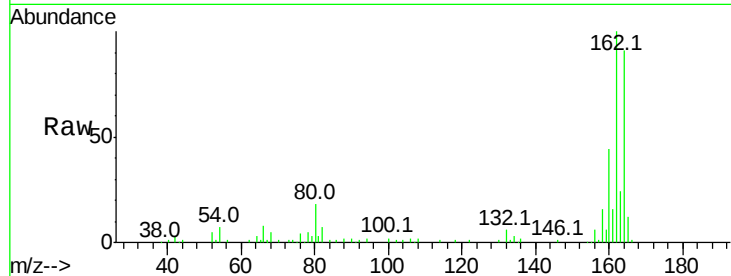




#56
 2,4-Dinitrotoluene
 Concen: 14.745 ng
 RT: 15.51 min Scan# 2081
 Delta R.T. -0.34 min
 Lab File: BG033194.D
 Acq: 16 Mar 2018 2:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	165	Resp:	8217
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#

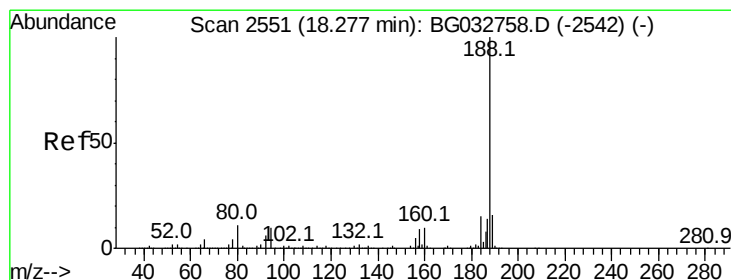
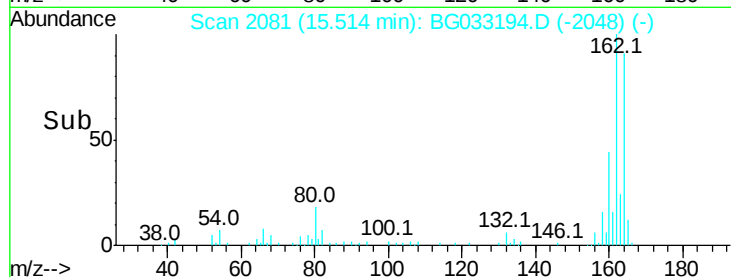
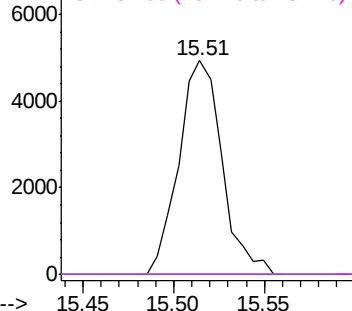


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

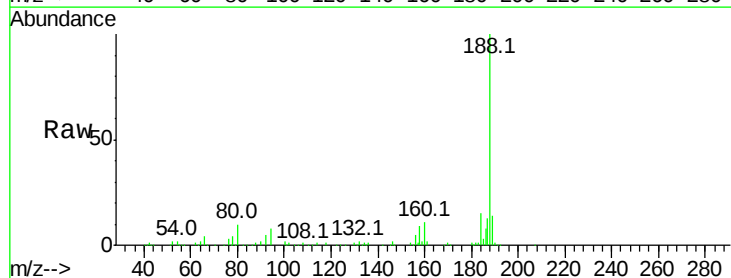
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2546
 Delta R.T. -0.00 min
 Lab File: BG033194.D
 Acq: 16 Mar 2018 2:03

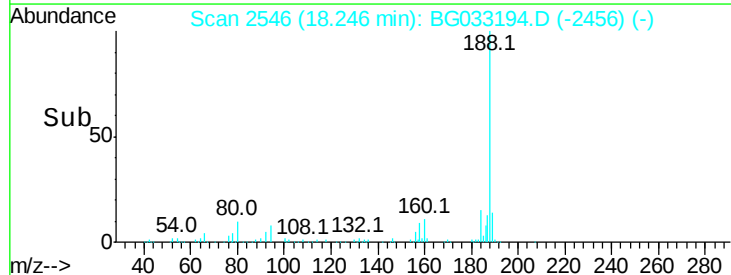
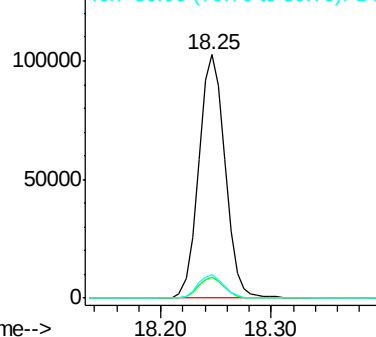
Tgt Ion:	188	Resp:	171067
Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.9	10.3
80	9.9	7.7	11.5

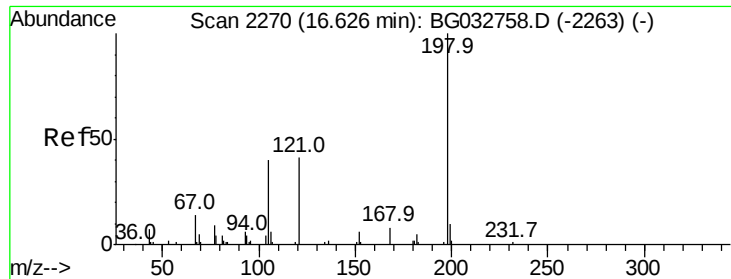


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.277 ng

RT: 16.98 min Scan# 2331

Delta R.T. 0.37 min

Lab File: BG033194.D

Acq: 16 Mar 2018 2:03

Instrument :

BNA_G

ClientSampleId :

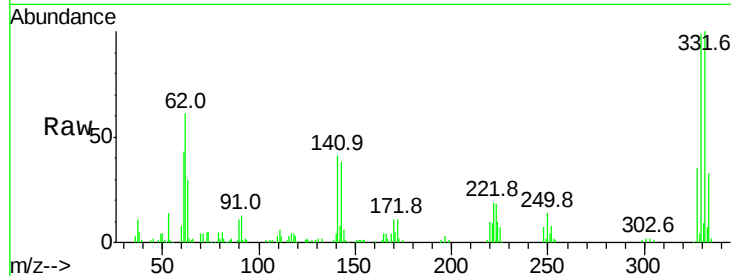
Tot Ion:198 Resp: 132

Ion Ratio Lower Upper

198 100

51 226.0 30.6 70.6#

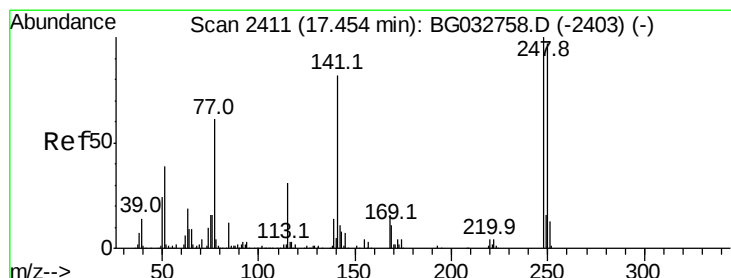
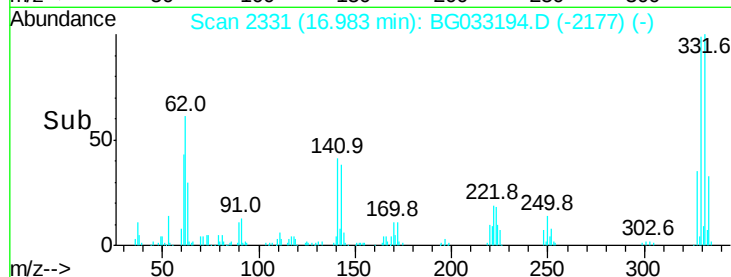
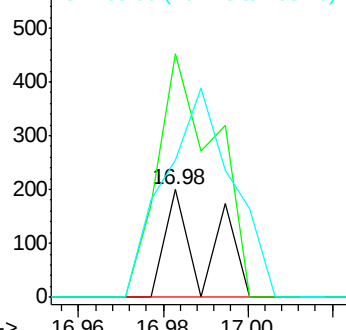
105 127.0 23.8 63.8#



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: 4.548 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.43 min

Lab File: BG033194.D

Acq: 16 Mar 2018 2:03

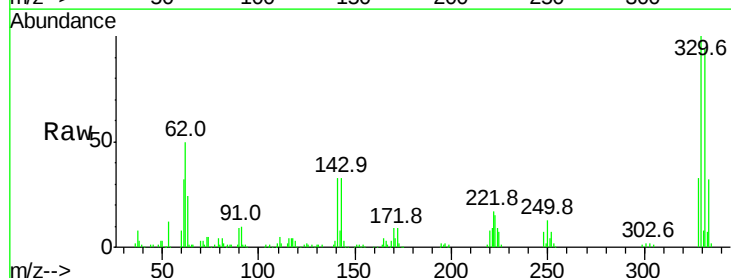
Tgt Ion:248 Resp: 8226

Ion Ratio Lower Upper

248 100

250 195.7 77.1 115.7#

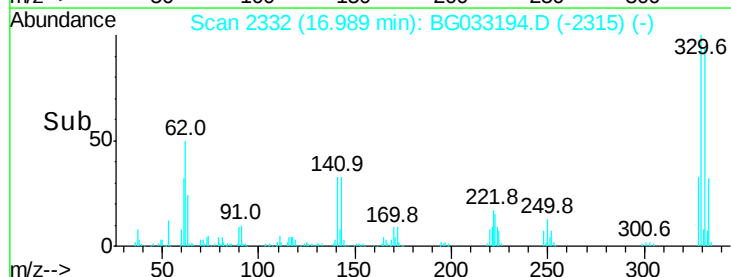
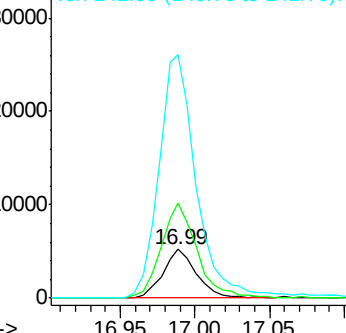
141 500.7 50.8 76.2#

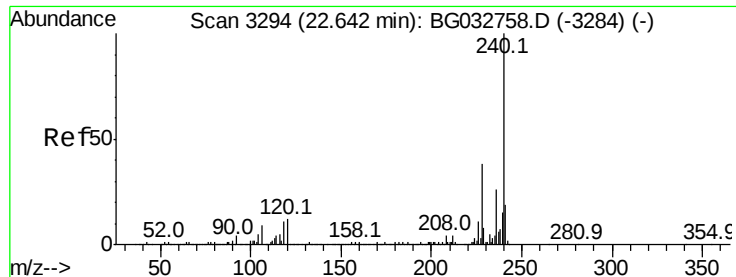


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3287

Delta R.T. -0.01 min

Lab File: BG033194.D

Acq: 16 Mar 2018 2:03

Instrument :

BNA_G

ClientSampleId :

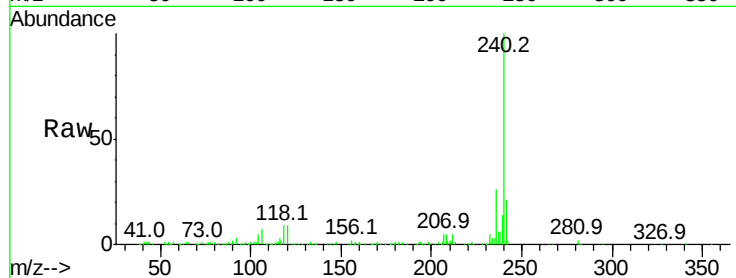
Tot Ion:240 Resp: 196997

Ion Ratio Lower Upper

240 100

120 9.4 6.8 10.2

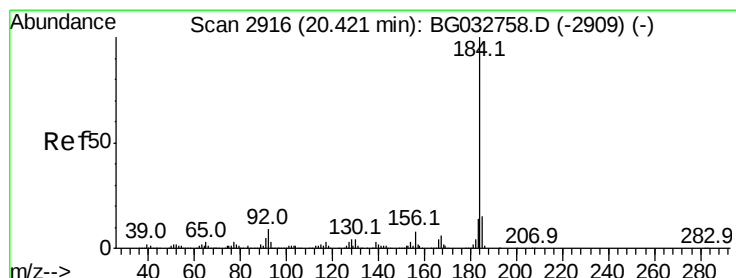
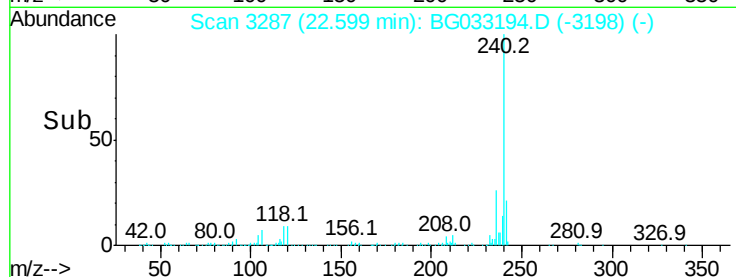
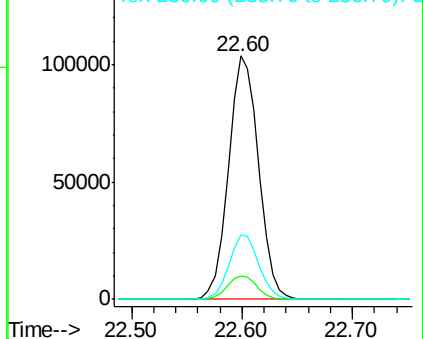
236 26.3 20.9 31.3



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: 2.035 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.37 min

Lab File: BG033194.D

Acq: 16 Mar 2018 2:03

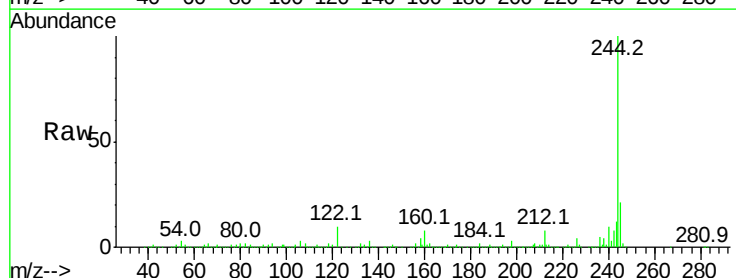
Tgt Ion:184 Resp: 13668

Ion Ratio Lower Upper

184 100

185 15.2 11.1 16.7

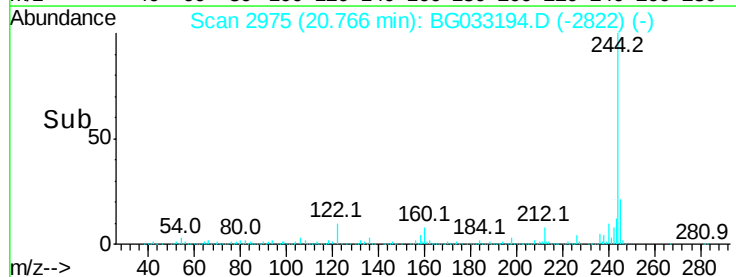
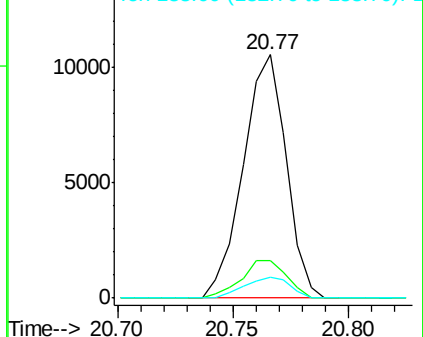
183 8.4 10.6 16.0#

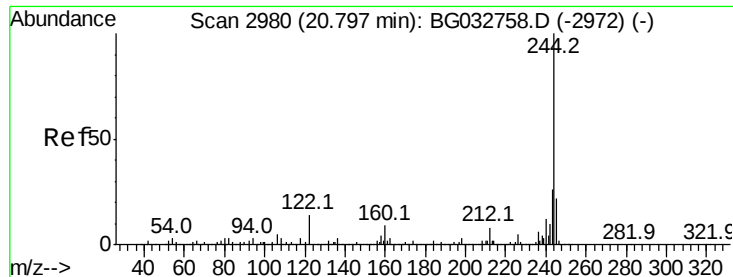


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 93.390 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BG033194.D

Acq: 16 Mar 2018 2:03

Instrument :

BNA_G

ClientSampleId :

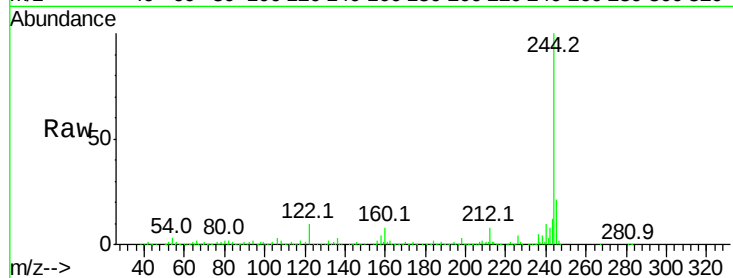
Tot Ion:244 Resp: 818861

Ion Ratio Lower Upper

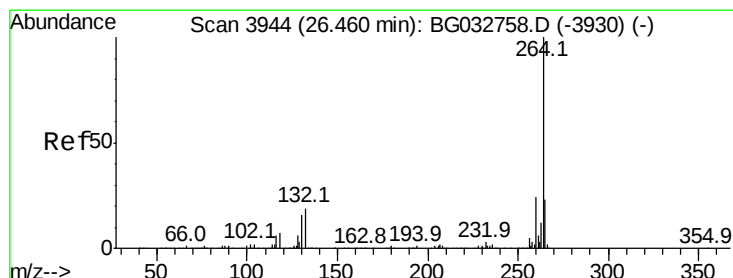
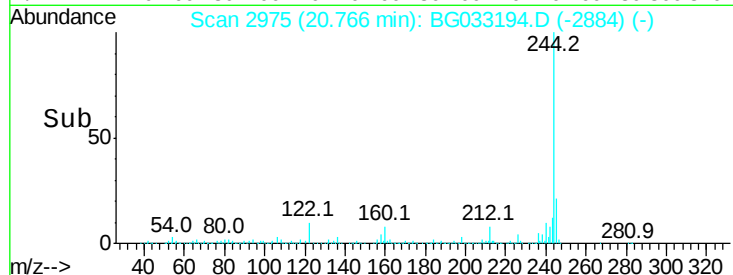
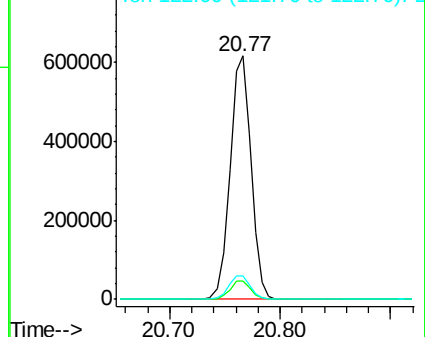
244 100

212 7.5 5.8 8.8

122 9.5 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: 26.41 min Scan# 3935

Delta R.T. -0.00 min

Lab File: BG033194.D

Acq: 16 Mar 2018 2:03

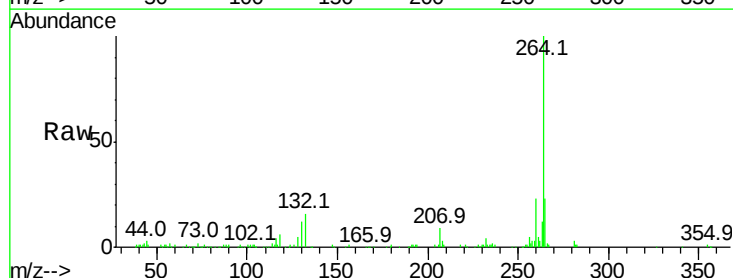
Tgt Ion:264 Resp: 216655

Ion Ratio Lower Upper

264 100

260 22.8 17.4 26.0

265 23.2 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

