

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062718\
 Data File : BG035460.D
 Acq On : 28 Jun 2018 00:42
 Operator : JU/SJ
 Sample : J3694-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 28 04:33:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

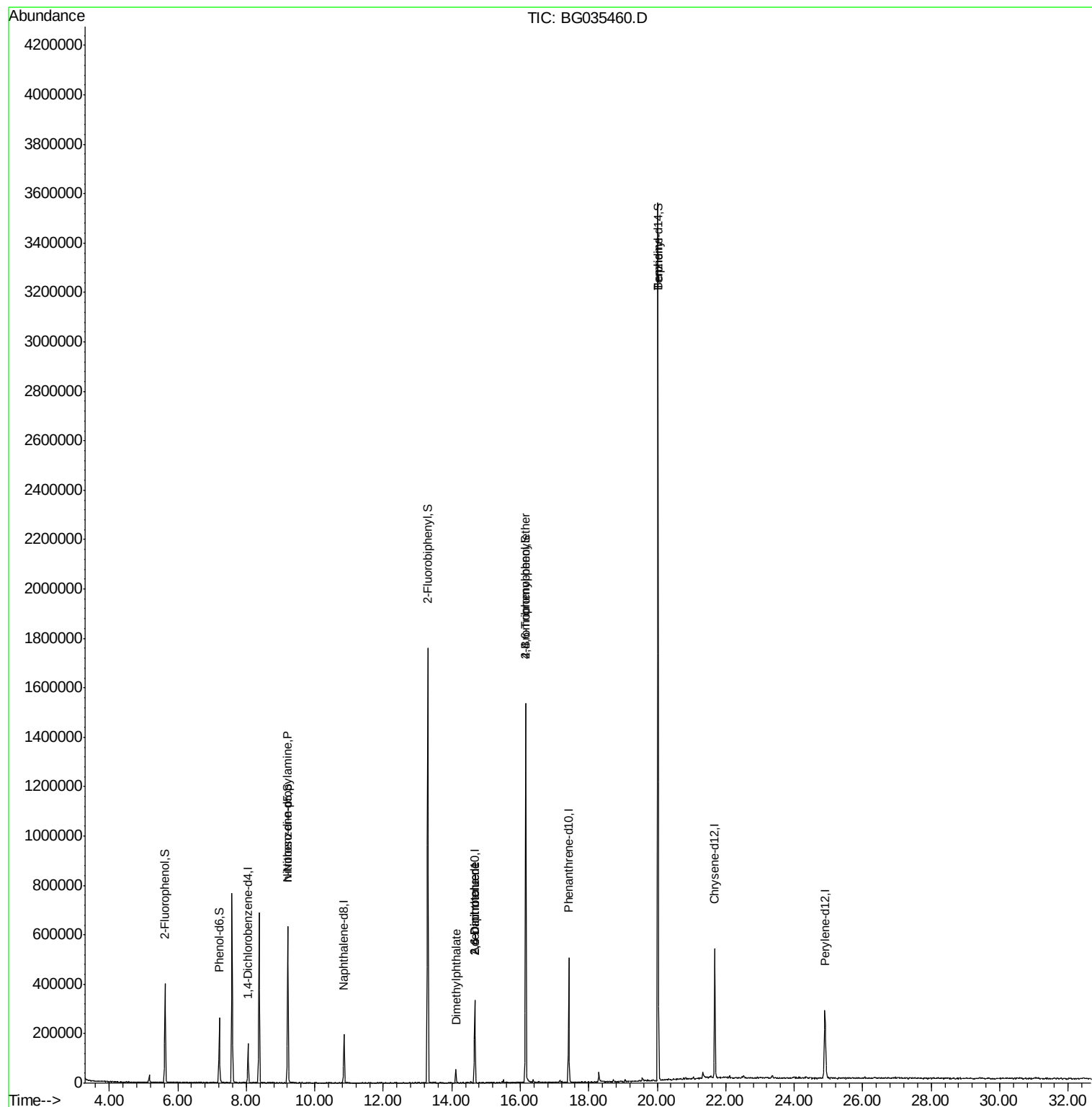
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	46094	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	162516	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	115724	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	313438	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	333979	20.00	ng	-0.04
86) Perylene-d12	24.90	264	322190	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	181386	66.41	ng	-0.02
7) Phenol-d6	7.21	99	163229	40.49	ng	-0.01
23) Nitrobenzene-d5	9.22	82	428312	125.28	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	284963	192.36	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	942840	105.91	ng	-0.03
78) Terphenyl-d14	20.02	244	1720046	107.88	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	56757	16.572	ng	# 69
49) Dimethylphthalate	14.12	163	35642	3.532	ng	# 97
50) 2,6-Dinitrotoluene	14.67	165	15933	8.654	ng	# 20
56) 2,4-Dinitrotoluene	14.67	165	15933	6.515	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	22911	6.070	ng	# 1
76) Benzidine	20.02	184	29011	2.335	ng	# 93

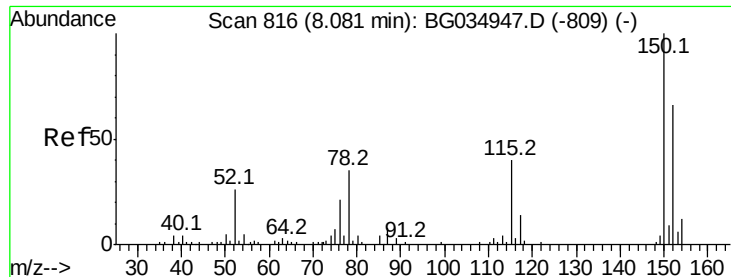
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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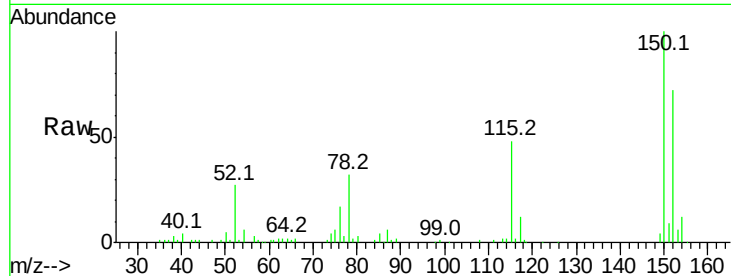


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035460.D
Acq: 28 Jun 2018 00:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.6	126.6	189.8
115	66.7	53.0	79.4

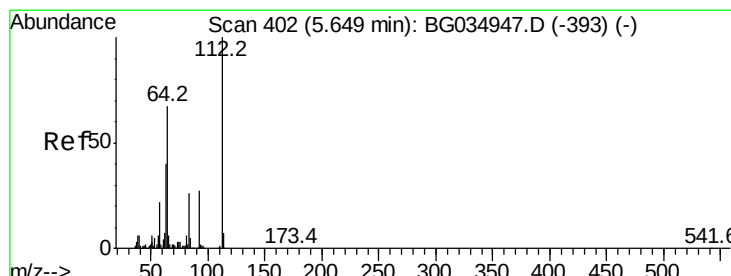
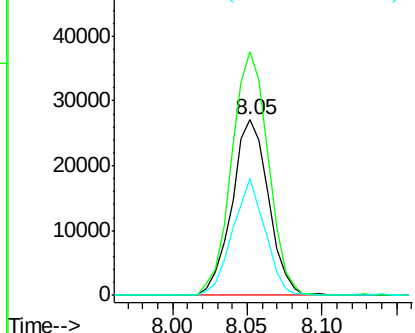
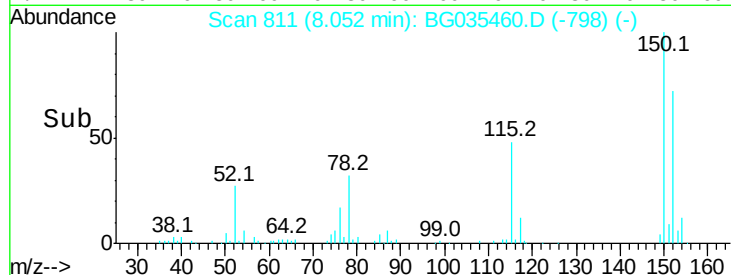


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

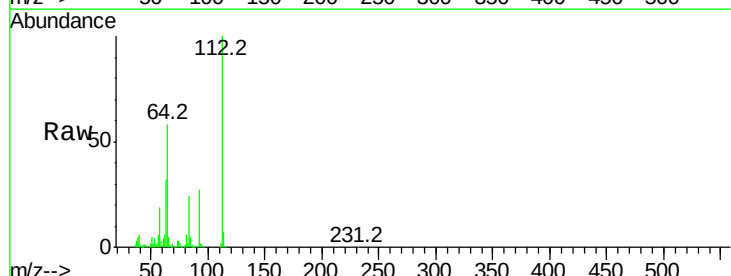
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 66.410 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.02 min
Lab File: BG035460.D
Acq: 28 Jun 2018 00:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	56.3	84.5
63	32.4	30.1	45.1

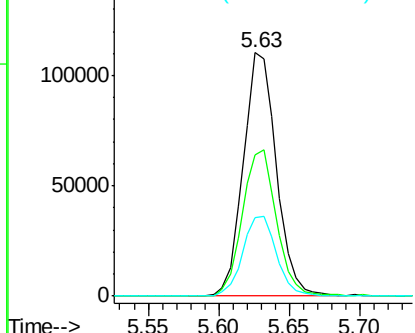
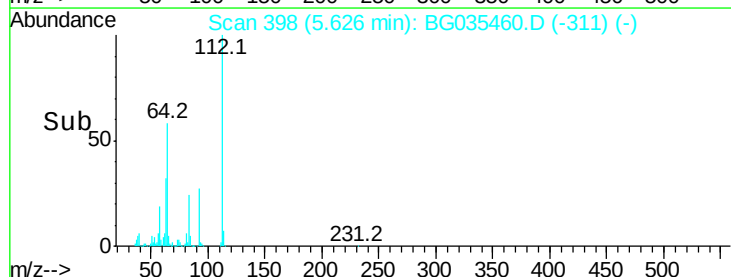


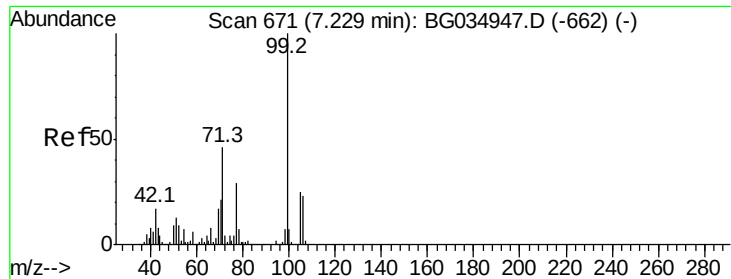
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 40.491 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035460.D

Acq: 28 Jun 2018 00:42

Instrument :

BNA_G

ClientSampled :

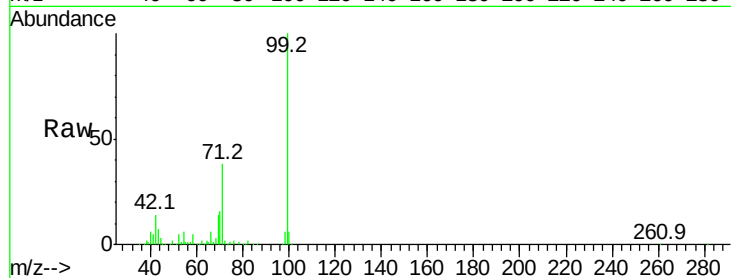
Tot Ion: 99 Resp: 163229

Ion Ratio Lower Upper

99 100

42 14.2 14.1 21.1

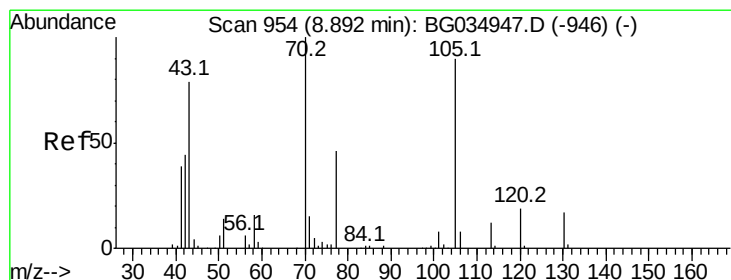
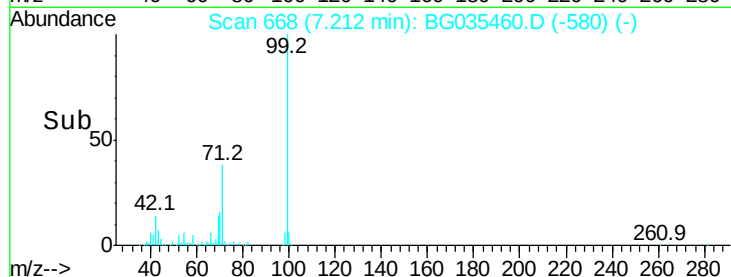
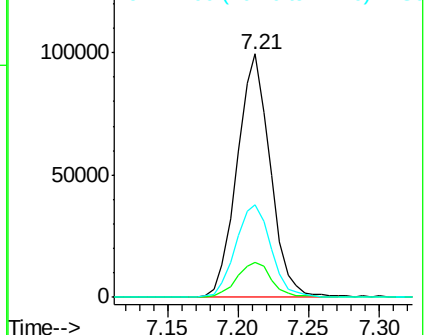
71 38.1 26.1 39.1



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: 16.572 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.33 min

Lab File: BG035460.D

Acq: 28 Jun 2018 00:42

Tgt Ion: 70 Resp: 56757

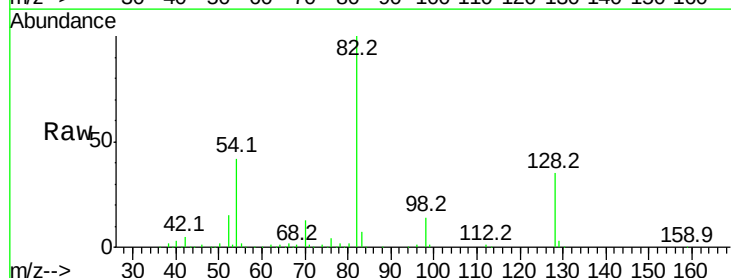
Ion Ratio Lower Upper

70 100

42 37.9 49.1 73.7#

101 0.0 8.5 12.7#

130 2.4 13.4 20.0#

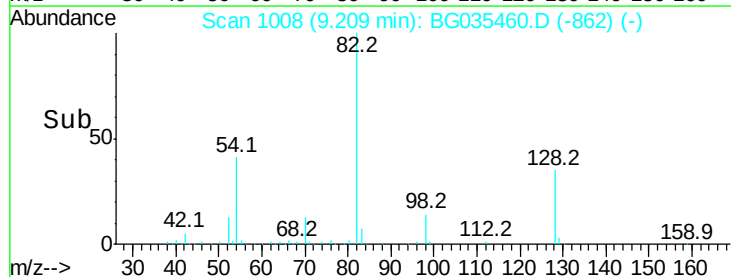
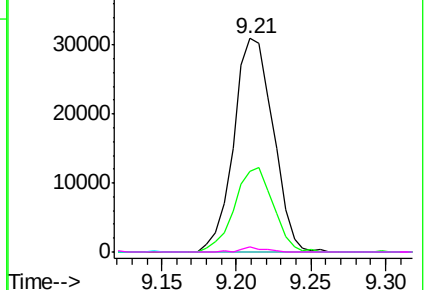


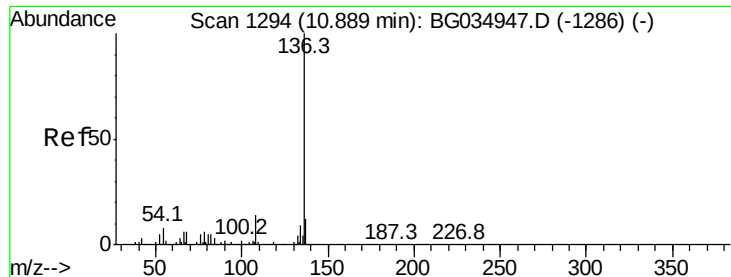
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

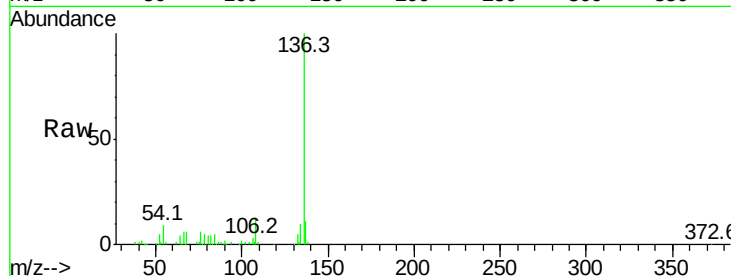




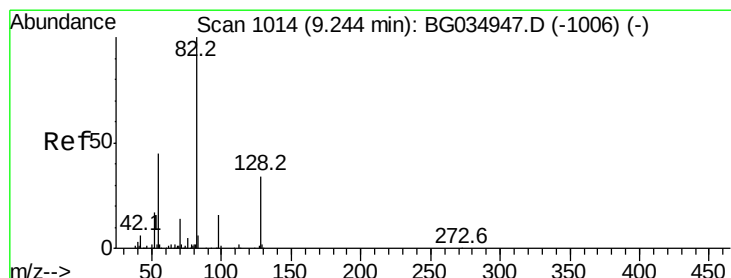
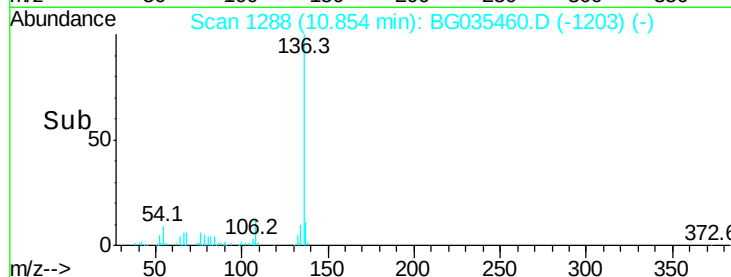
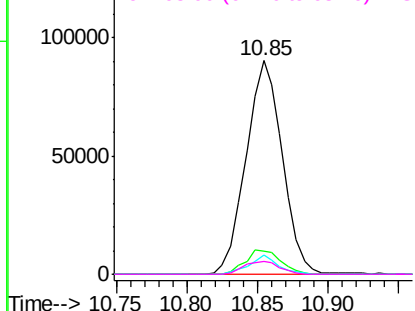
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BG035460.D
Acq: 28 Jun 2018 00:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	9.0	10.3	15.5
68	5.8	4.5	6.7

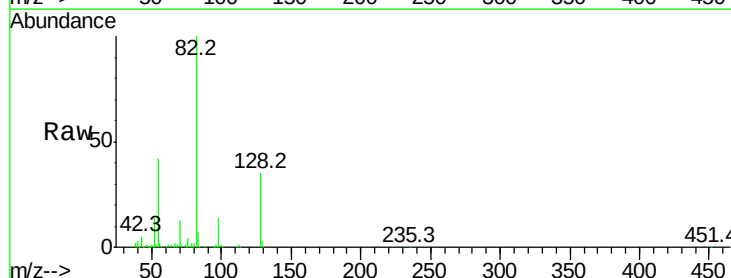


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

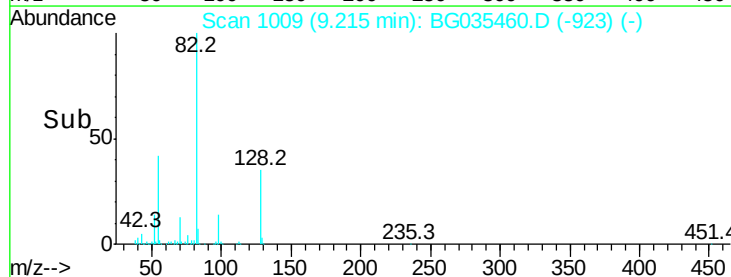
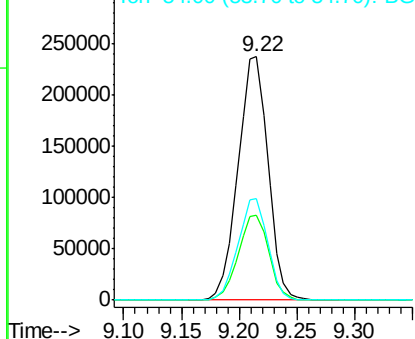


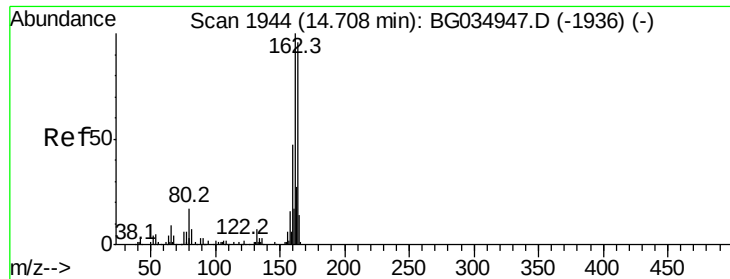
#23
Nitrobenzene-d5
Concen: 125.277 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BG035460.D
Acq: 28 Jun 2018 00:42

Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.1	29.7	44.5
54	41.6	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.02 min

Lab File: BG035460.D

Acq: 28 Jun 2018 00:42

Instrument :

BNA_G

ClientSampleId :

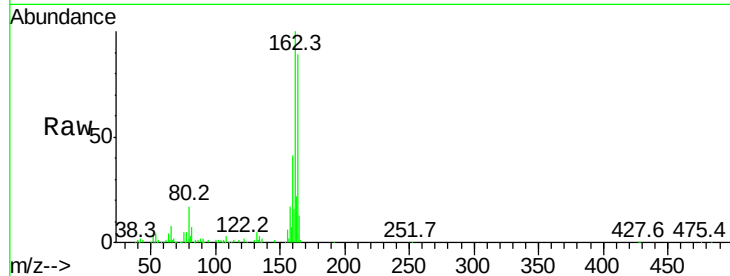
Tot Ion:164 Resp: 115724

Ion Ratio Lower Upper

164 100

162 112.8 78.8 118.2

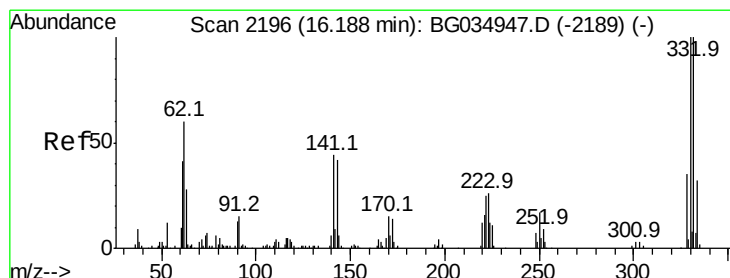
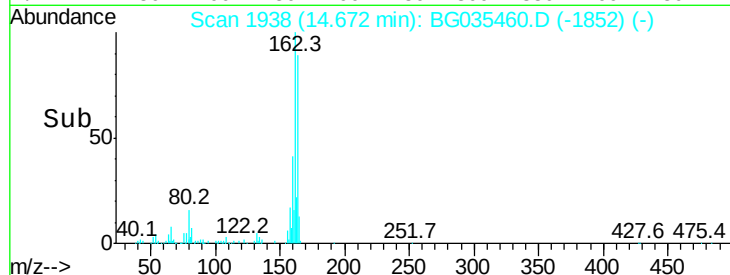
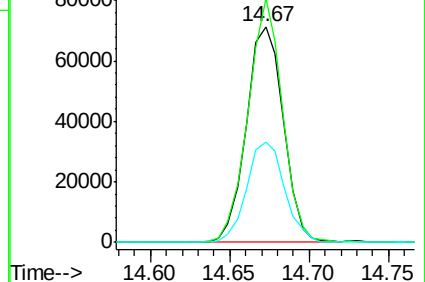
160 46.7 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 192.359 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BG035460.D

Acq: 28 Jun 2018 00:42

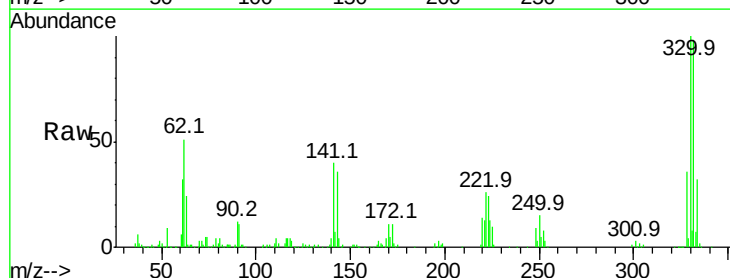
Tgt Ion:330 Resp: 284963

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

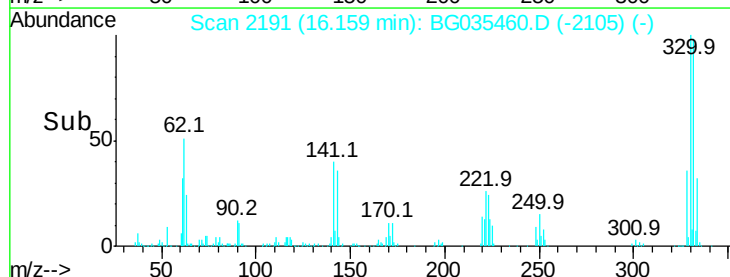
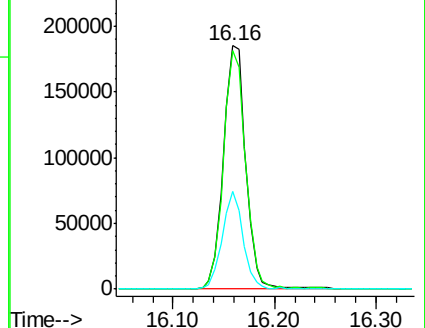
141 37.1 25.2 37.8

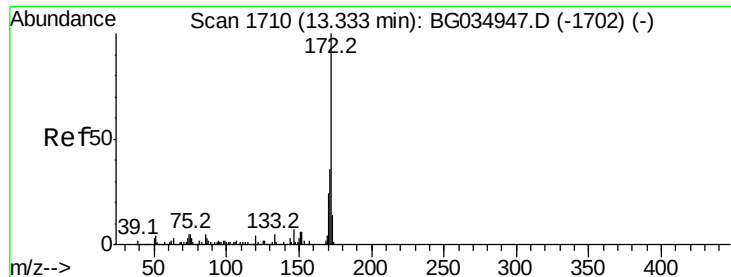


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

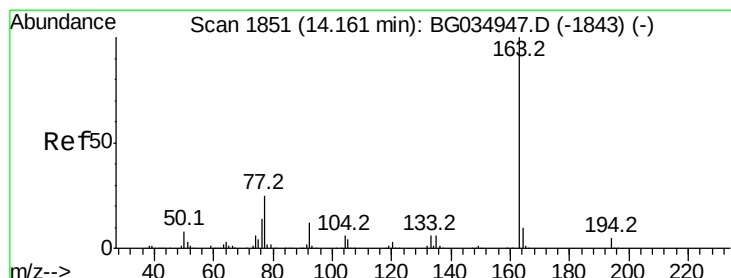
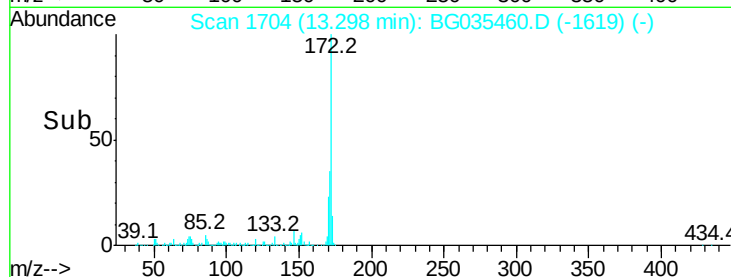
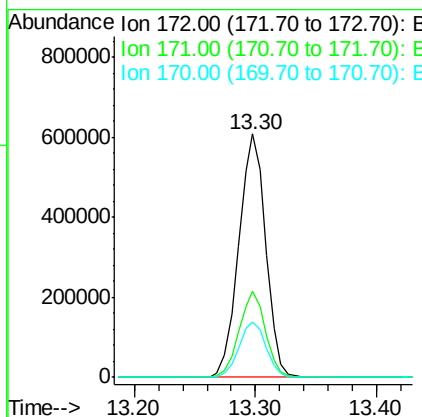
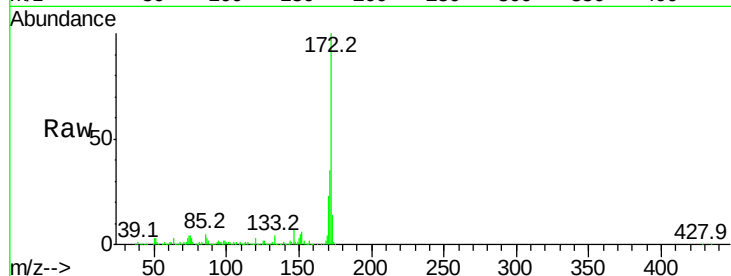




#44
2-Fluorobiphenyl
Concen: 105.915 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.03 min
Lab File: BG035460.D
Acq: 28 Jun 2018 00:42

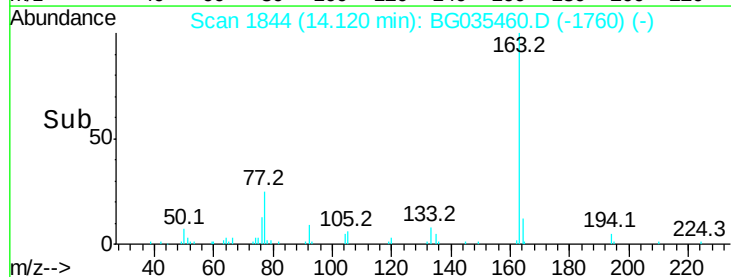
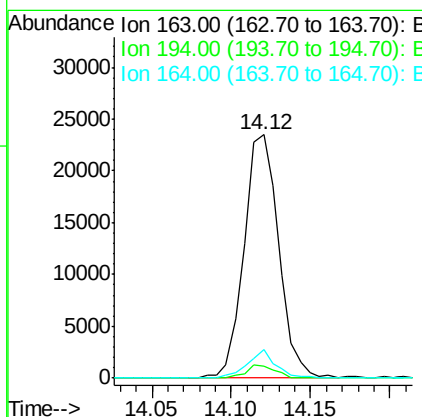
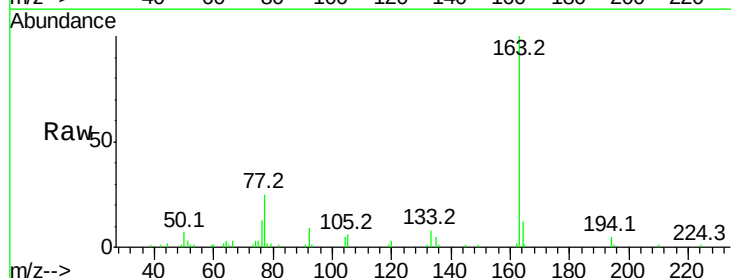
Instrument :
BNA_G
ClientSampleId :

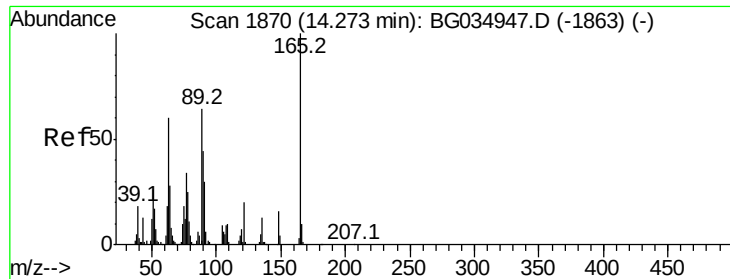
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	30.0	45.0
170	22.9	19.5	29.3



#49
Dimethylphthalate
Concen: 3.532 ng
RT: 14.12 min Scan# 1844
Delta R.T. -0.04 min
Lab File: BG035460.D
Acq: 28 Jun 2018 00:42

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.4	5.2
164	11.6	8.2	12.4





#50

2,6-Dinitrotoluene

Concen: 8.654 ng

RT: 14.67 min Scan# 1938

Delta R.T. 0.40 min

Lab File: BG035460.D

Acq: 28 Jun 2018 00:42

Instrument :

BNA_G

ClientSampleId :

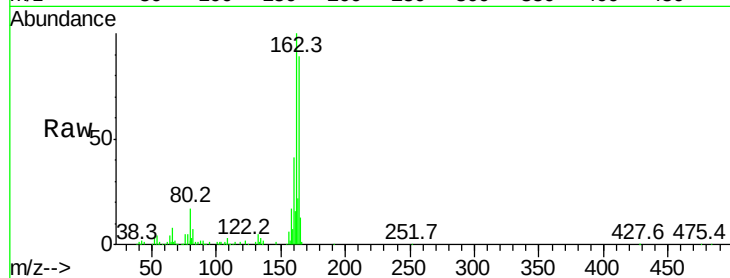
Tot Ion:165 Resp: 15933

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

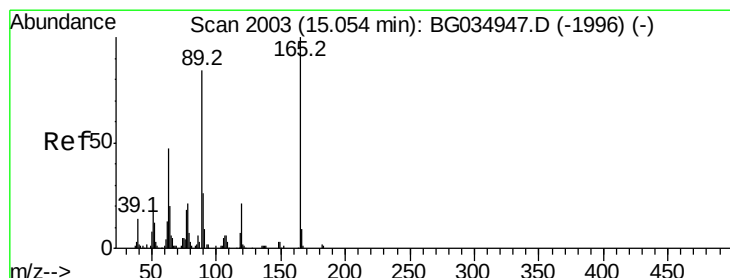
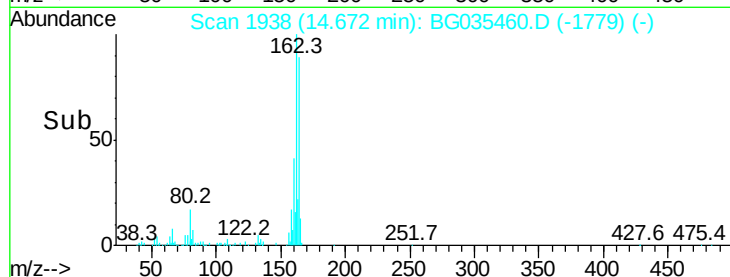
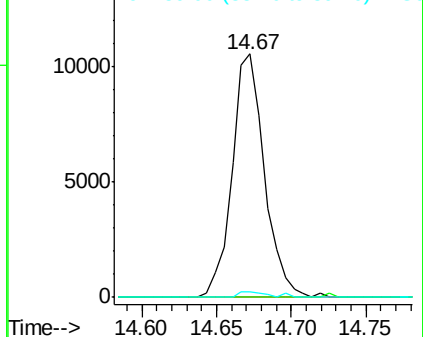
89 2.1 49.2 73.8#



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



#56

2,4-Dinitrotoluene

Concen: 6.515 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.38 min

Lab File: BG035460.D

Acq: 28 Jun 2018 00:42

Tgt Ion:165 Resp: 15933

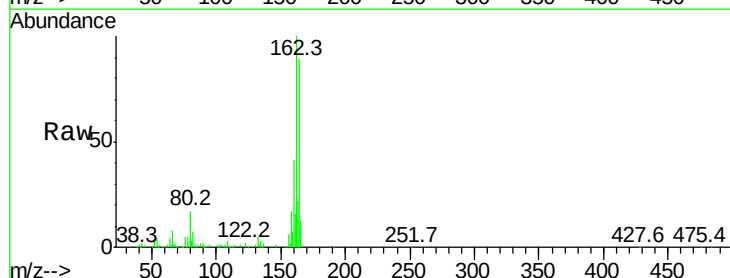
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.1 66.9 100.3#

182 0.0 2.6 3.8#

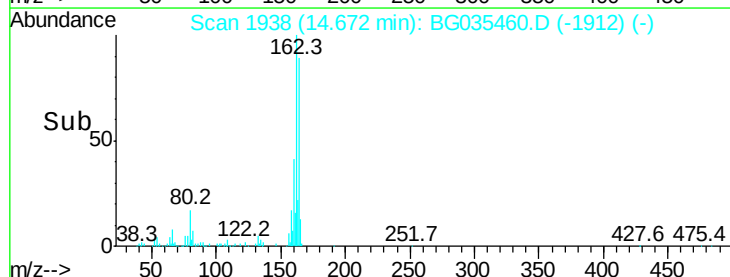
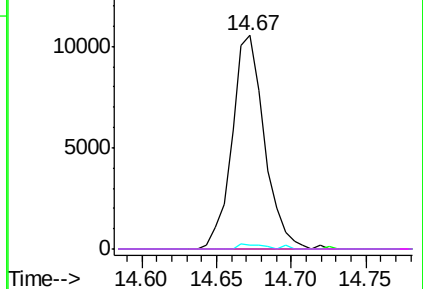


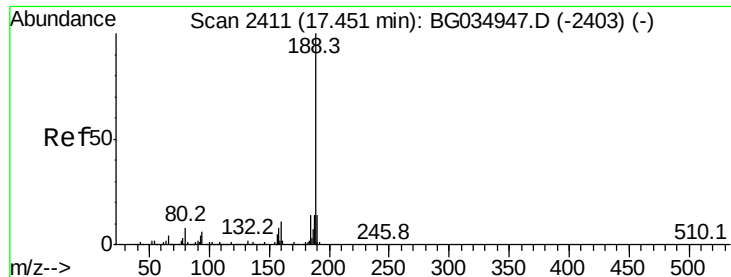
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.42 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BG035460.D

Acq: 28 Jun 2018 00:42

Instrument :

BNA_G

ClientSampled :

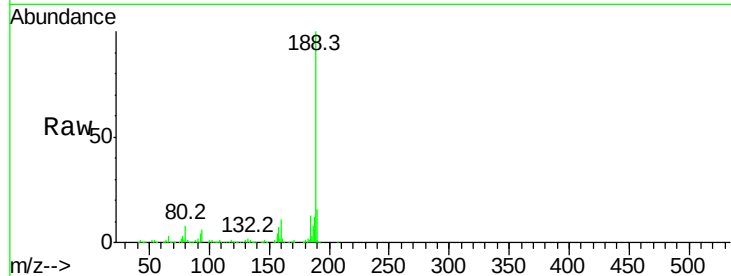
Tot Ion:188 Resp: 313438

Ion Ratio Lower Upper

188 100

94 6.1 6.9 10.3#

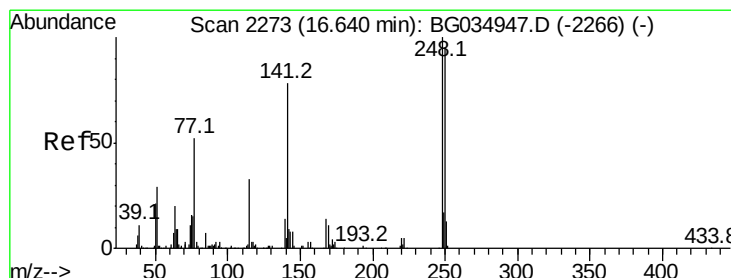
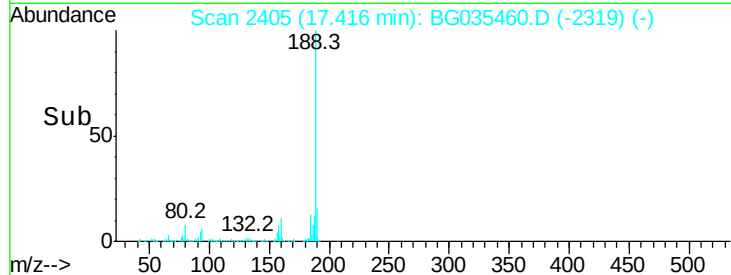
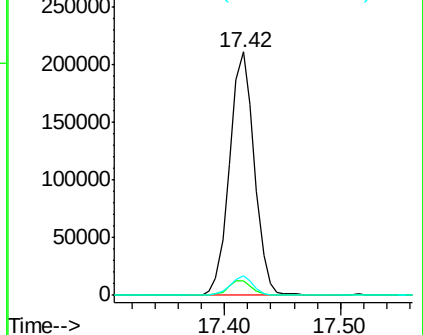
80 8.3 7.7 11.5



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



#66

4-Bromophenyl-phenylether

Concen: 6.070 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.48 min

Lab File: BG035460.D

Acq: 28 Jun 2018 00:42

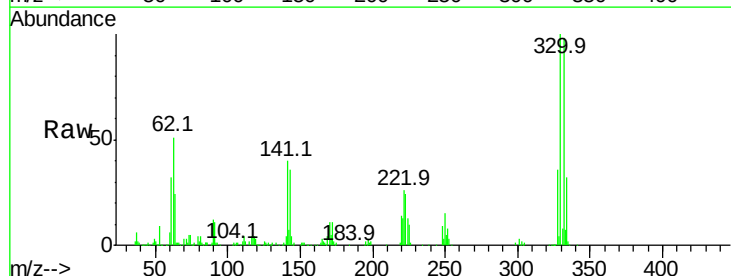
Tgt Ion:248 Resp: 22911

Ion Ratio Lower Upper

248 100

250 168.3 77.1 115.7#

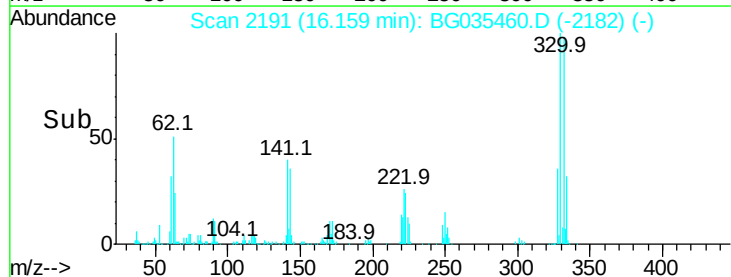
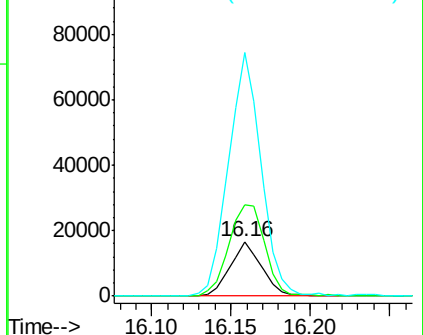
141 448.5 50.8 76.2#

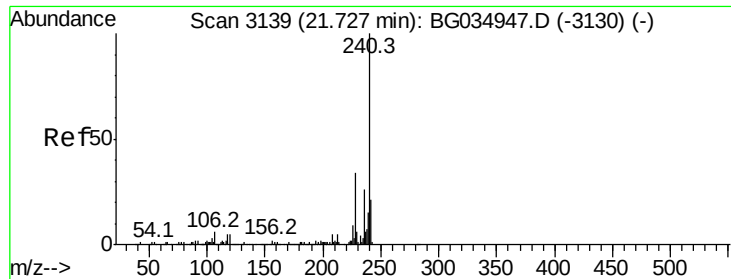


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.68 min Scan# 3131

Delta R.T. -0.04 min

Lab File: BG035460.D

Acq: 28 Jun 2018 00:42

Instrument :

BNA_G

ClientSampled :

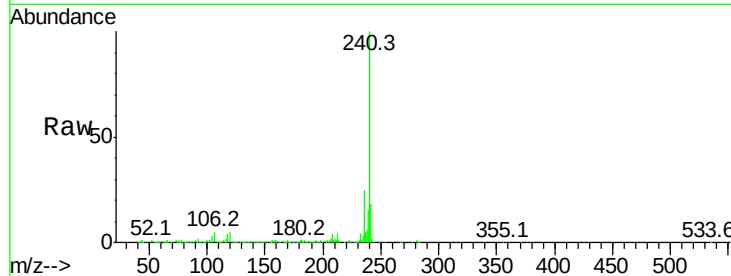
Tot Ion:240 Resp: 333979

Ion Ratio Lower Upper

240 100

120 5.3 6.8 10.2#

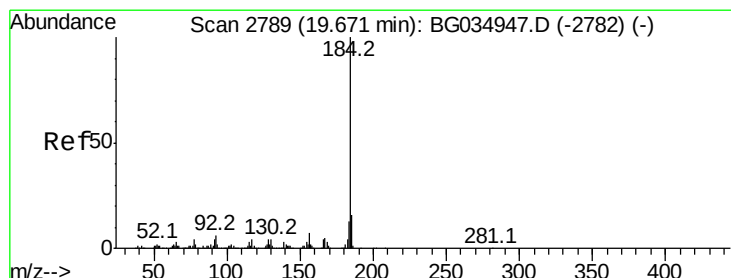
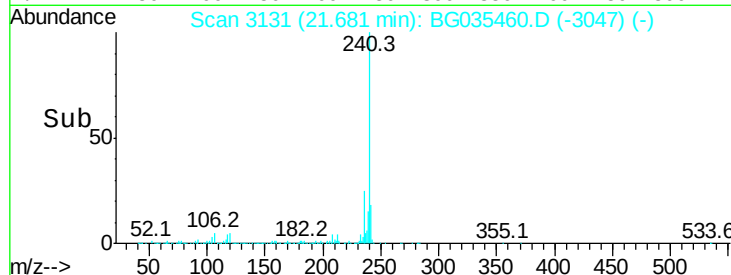
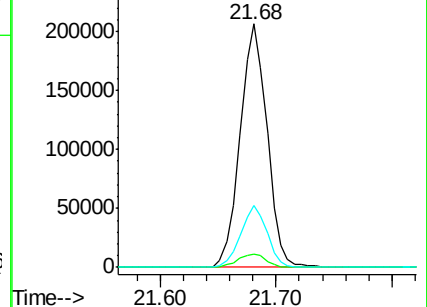
236 25.4 20.9 31.3



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: 2.335 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.36 min

Lab File: BG035460.D

Acq: 28 Jun 2018 00:42

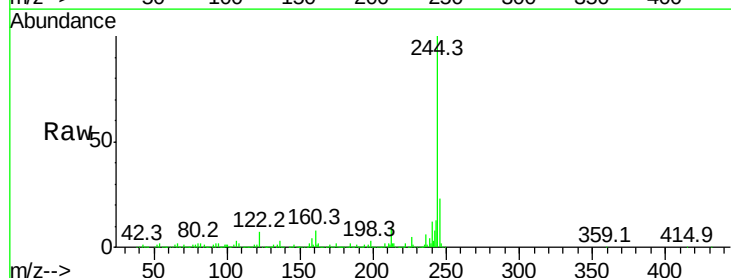
Tgt Ion:184 Resp: 29011

Ion Ratio Lower Upper

184 100

185 16.7 11.1 16.7

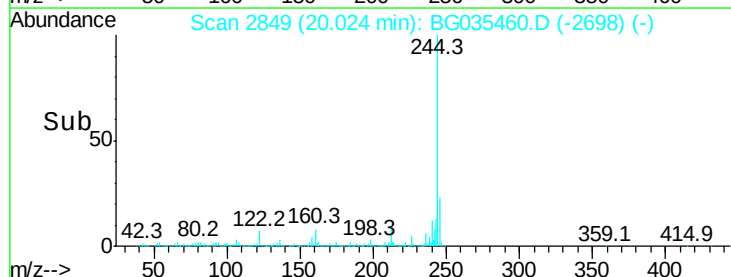
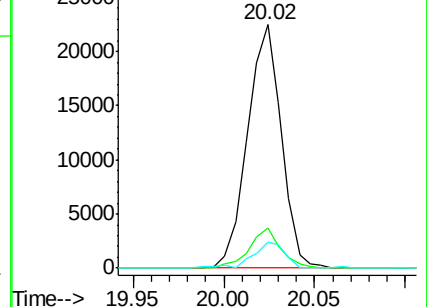
183 10.4 10.6 16.0#

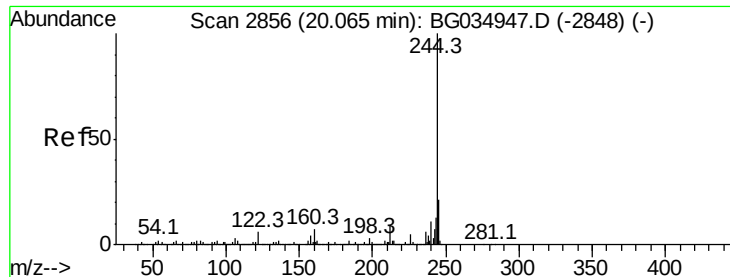


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 107.879 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035460.D

Acq: 28 Jun 2018 00:42

Instrument :

BNA_G

ClientSampleId :

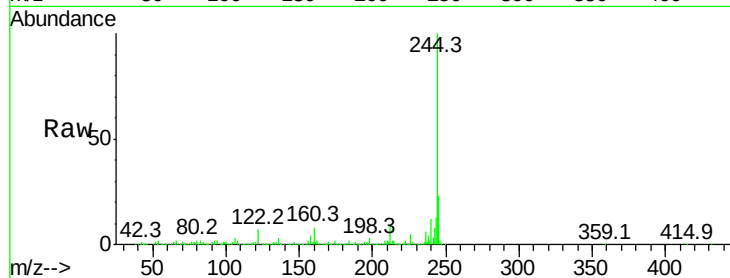
Tot Ion:244 Resp: 1720046

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

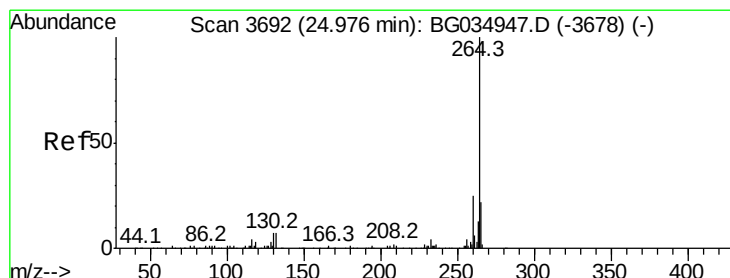
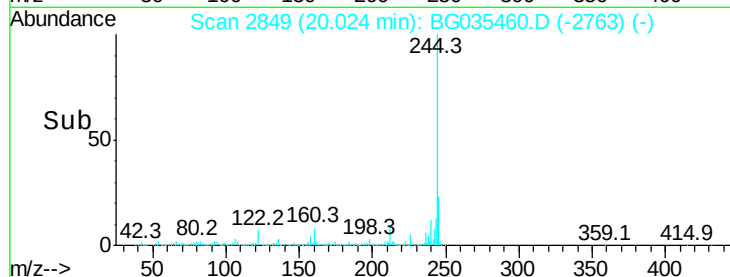
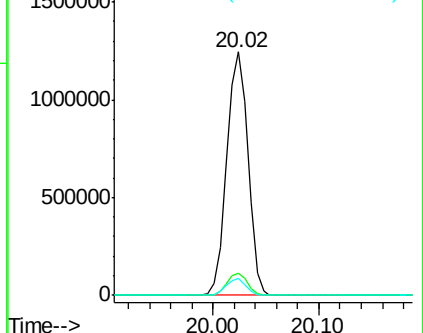
122 6.9 7.0 10.4#



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: 24.90 min Scan# 3679

Delta R.T. -0.05 min

Lab File: BG035460.D

Acq: 28 Jun 2018 00:42

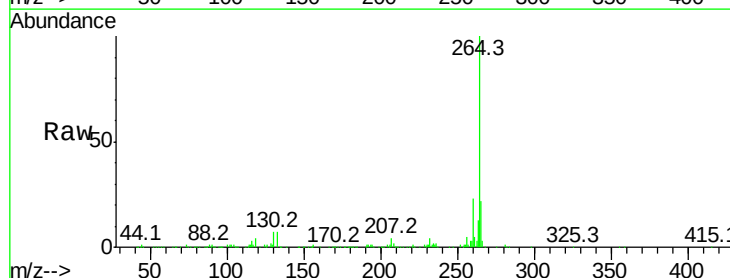
Tgt Ion:264 Resp: 322190

Ion Ratio Lower Upper

264 100

260 22.8 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

