

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062118\
 Data File : BG035315.D
 Acq On : 22 Jun 2018 2:27
 Operator : JU/SJ
 Sample : J3603-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 22 05:16:17 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

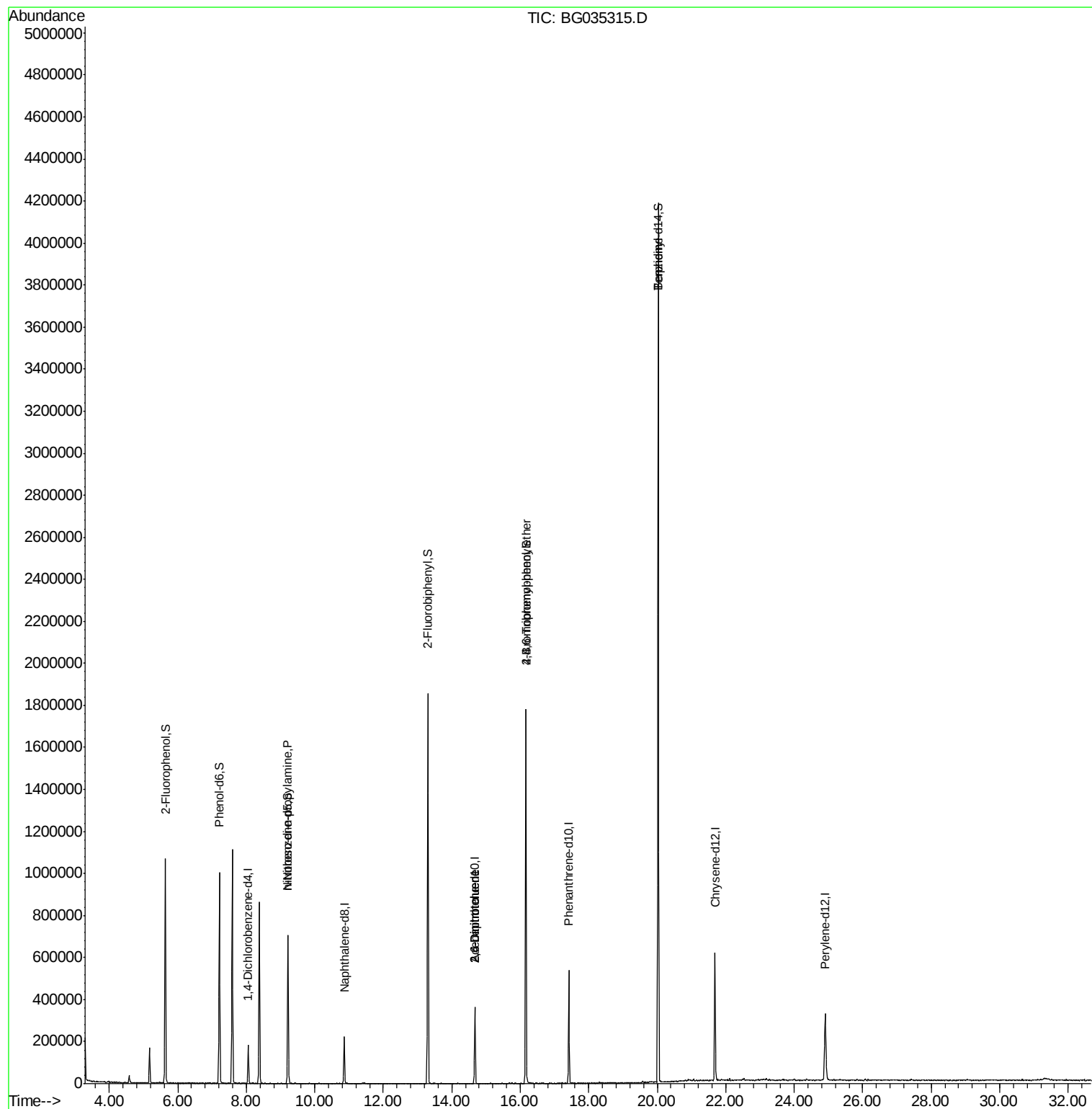
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	54169	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	183136	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	127261	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	348036	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	397192	20.00	ng	-0.03
86) Perylene-d12	24.91	264	378002	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	472324	147.15	ng	0.00
7) Phenol-d6	7.22	99	609371	128.63	ng	0.00
23) Nitrobenzene-d5	9.21	82	475758	123.49	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	337469	207.15	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	1011062	103.28	ng	-0.02
78) Terphenyl-d14	20.03	244	1972300	104.01	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	63402	15.753	ng	# 65
50) 2,6-Dinitrotoluene	14.68	165	17040	8.417	ng	# 23
56) 2,4-Dinitrotoluene	14.68	165	17040	6.336	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	27585	6.582	ng	# 1
76) Benzidine	20.03	184	33331	2.256	ng	# 95

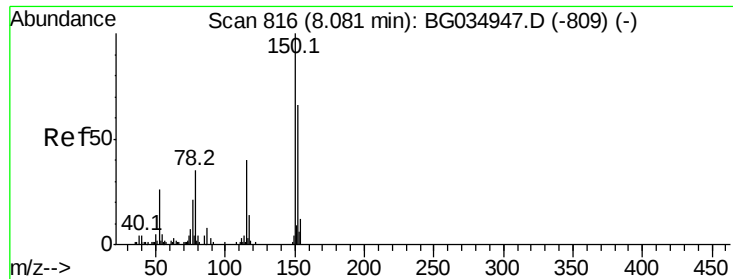
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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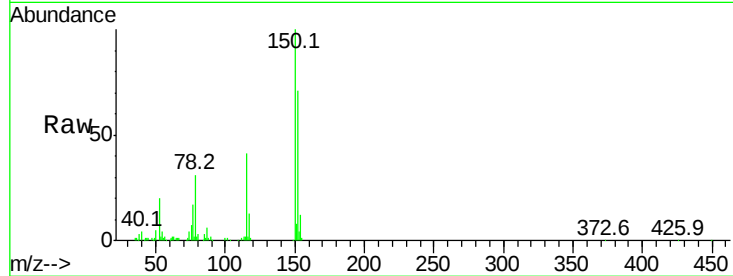


#1

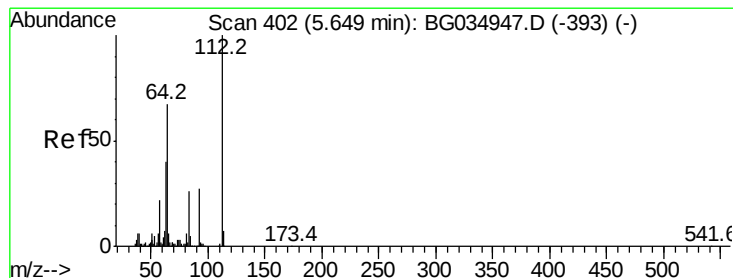
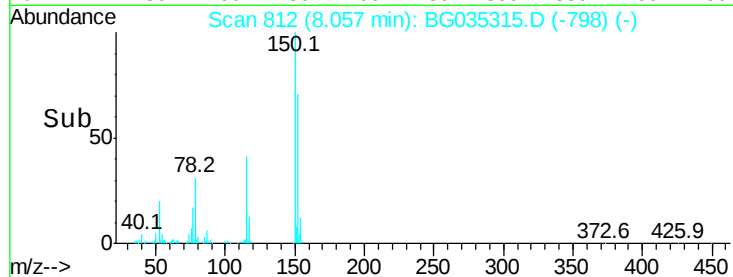
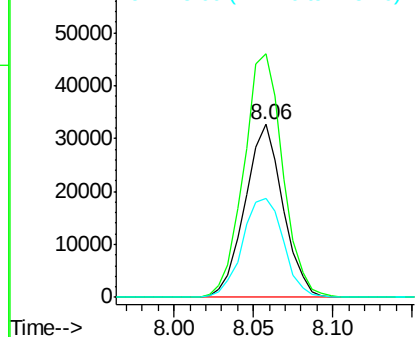
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.02 min
Lab File: BG035315.D
Acq: 22 Jun 2018 2:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 54169
Ion Ratio Lower Upper
152 100
150 141.0 126.6 189.8
115 57.1 53.0 79.4



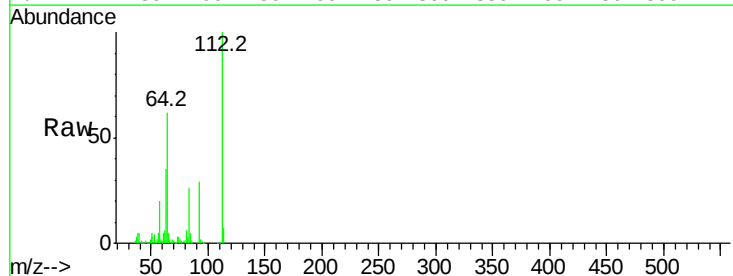
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



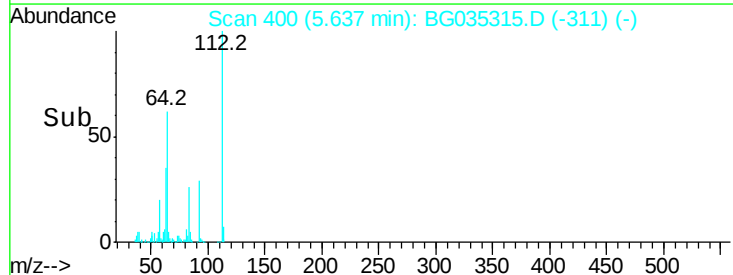
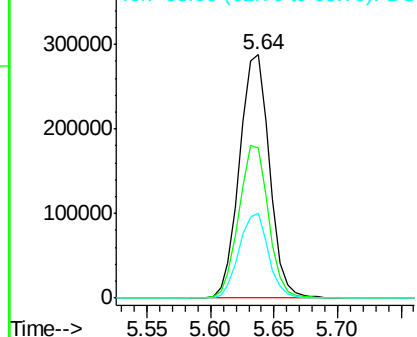
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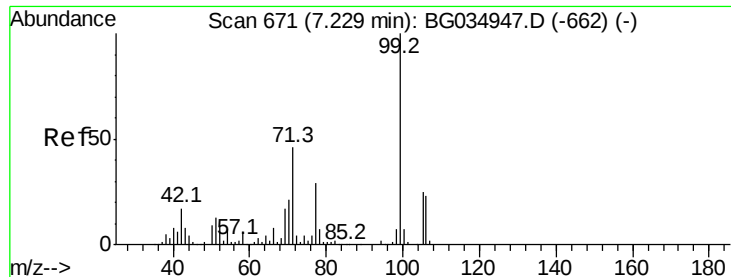
2-Fluorophenol
Concen: 147.150 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG035315.D
Acq: 22 Jun 2018 2:27

Tgt Ion:112 Resp: 472324
Ion Ratio Lower Upper
112 100
64 61.8 56.3 84.5
63 35.1 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: 128.627 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035315.D

Acq: 22 Jun 2018 2:27

Instrument :

BNA_G

ClientSampleId :

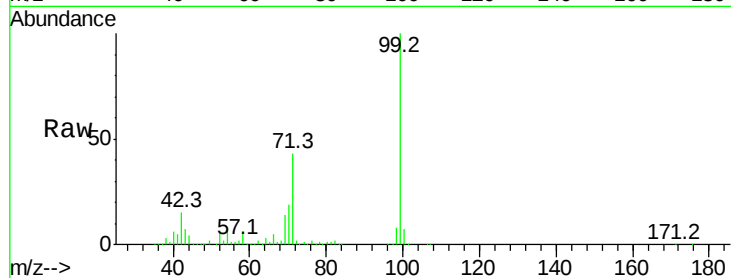
Tot Ion: 99 Resp: 609371

Ion Ratio Lower Upper

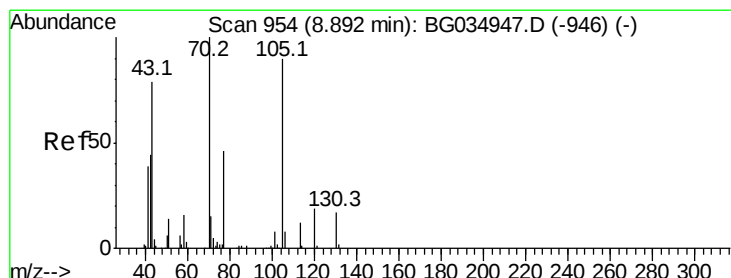
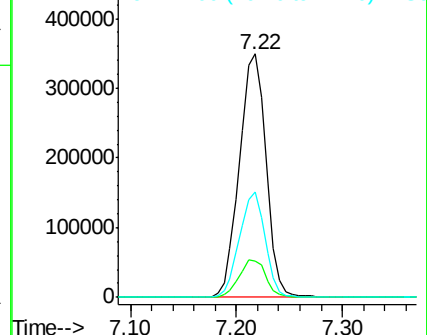
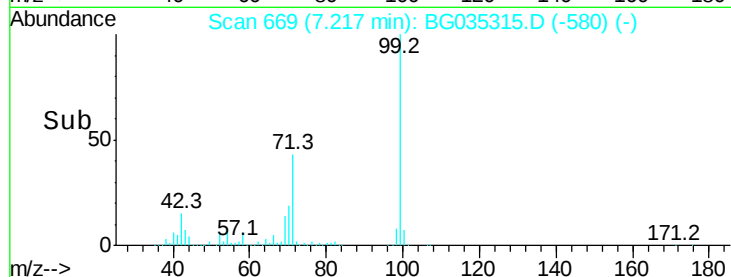
99 100

42 15.0 14.1 21.1

71 43.4 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: 15.753 ng

RT: 9.21 min Scan# 1009

Delta R.T. 0.33 min

Lab File: BG035315.D

Acq: 22 Jun 2018 2:27

Tgt Ion: 70 Resp: 63402

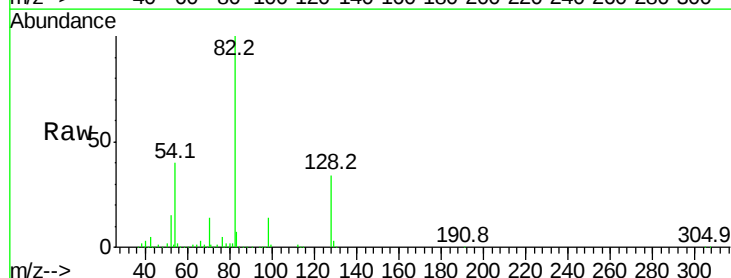
Ion Ratio Lower Upper

70 100

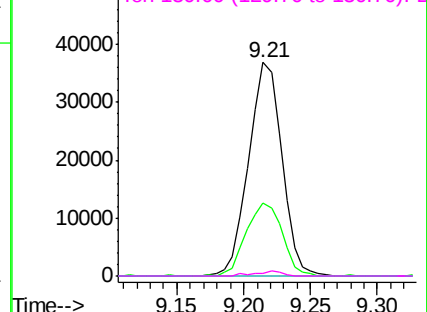
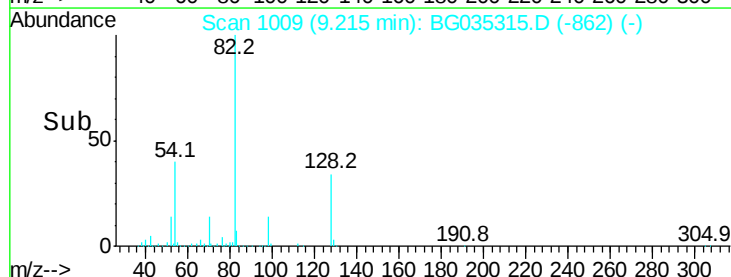
42 34.3 49.1 73.7#

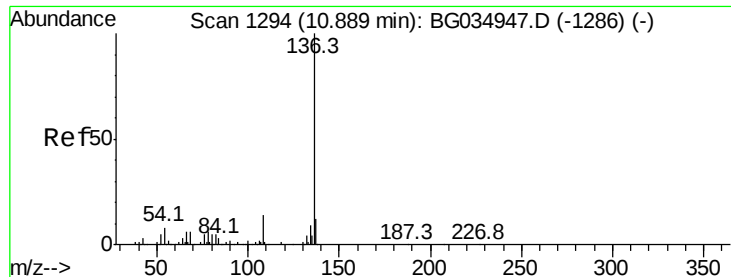
101 0.0 8.5 12.7#

130 1.4 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

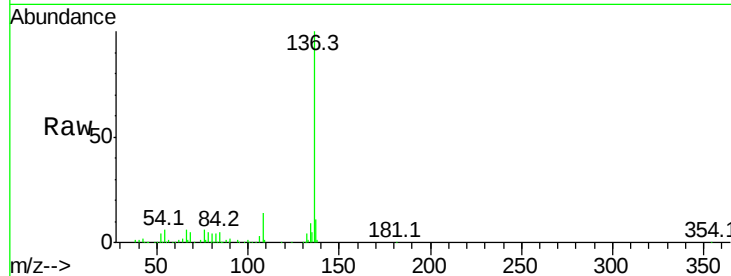




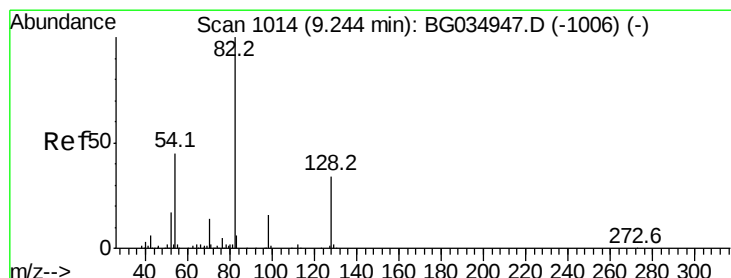
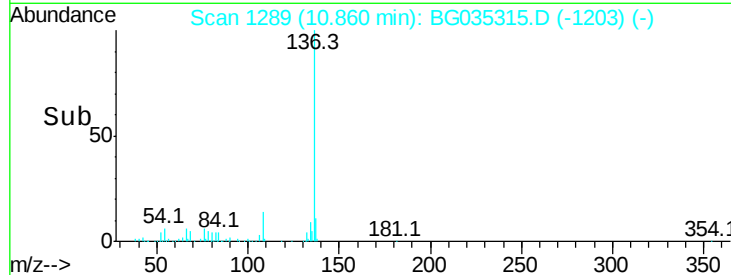
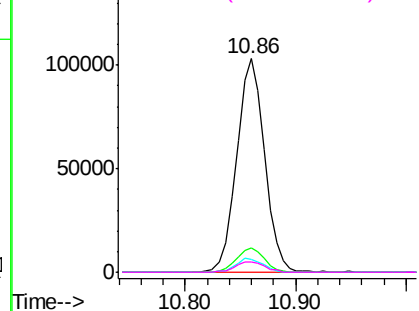
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.02 min
Lab File: BG035315.D
Acq: 22 Jun 2018 2:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	183136
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	6.1	10.3	15.5#
68	4.9	4.5	6.7

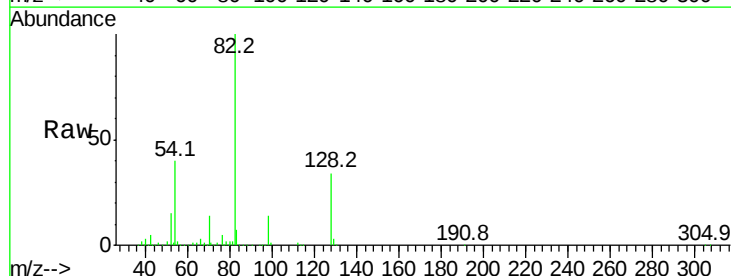


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

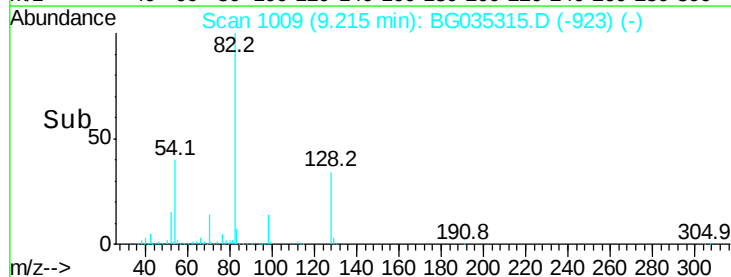
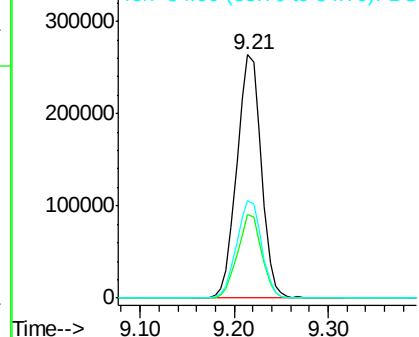


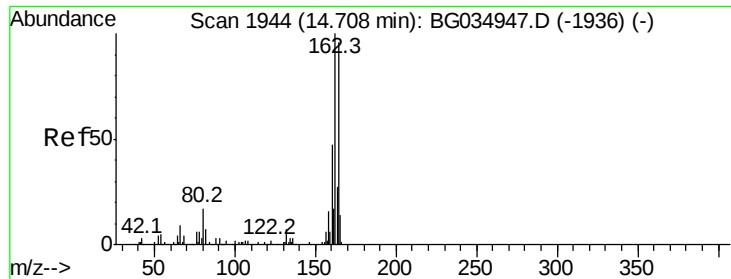
#23
Nitrobenzene-d5
Concen: 123.487 ng
RT: 9.21 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BG035315.D
Acq: 22 Jun 2018 2:27

Tgt Ion:	82	Resp:	475758
Ion	Ratio	Lower	Upper
82	100		
128	34.3	29.7	44.5
54	40.2	43.1	64.7#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

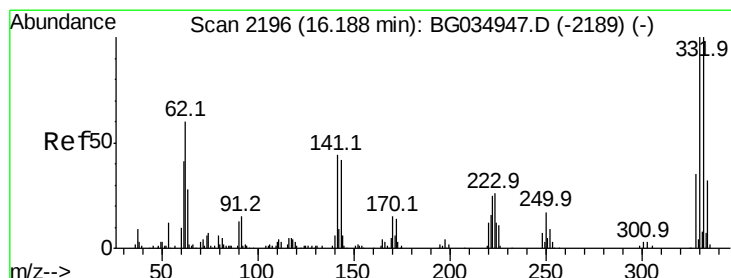
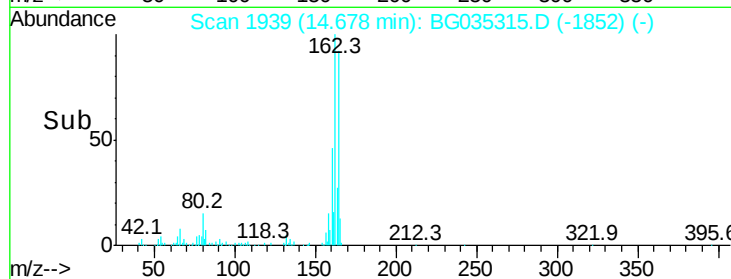
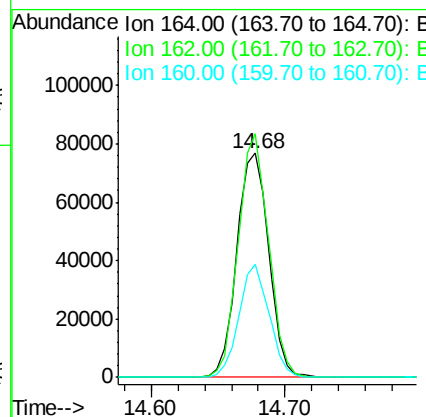
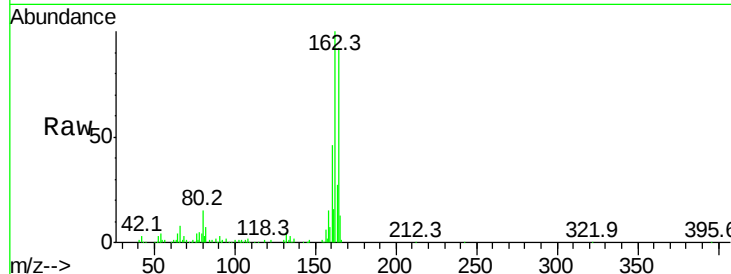




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.02 min
 Lab File: BG035315.D
 Acq: 22 Jun 2018 2:27

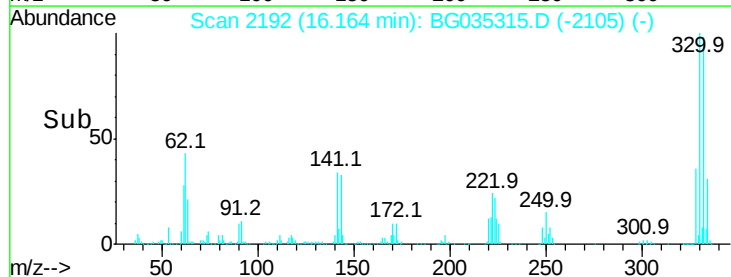
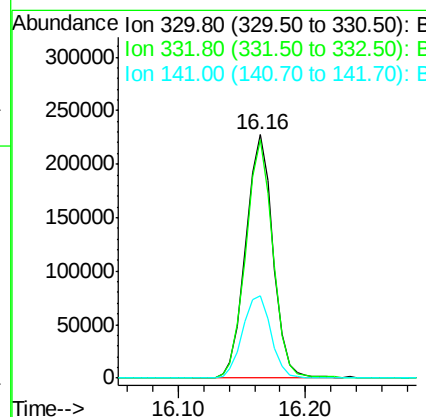
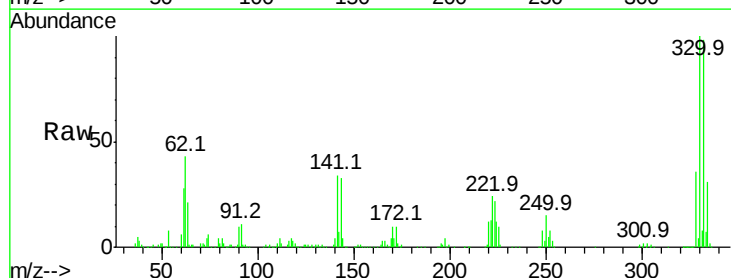
Instrument :
 BNA_G
 ClientSampleId :

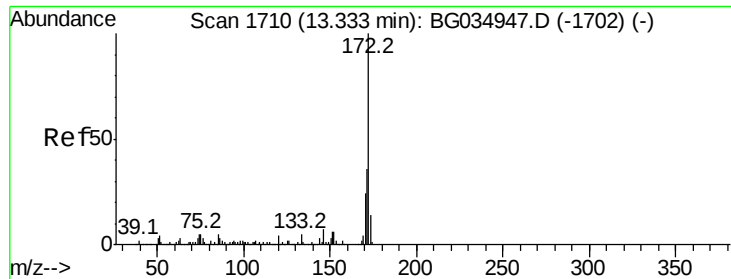
Tot Ion:164 Resp: 127261
 Ion Ratio Lower Upper
 164 100
 162 108.7 78.8 118.2
 160 50.5 35.4 53.0



#41
 2,4,6-Tribromophenol
 Concen: 207.150 ng
 RT: 16.16 min Scan# 2192
 Delta R.T. -0.02 min
 Lab File: BG035315.D
 Acq: 22 Jun 2018 2:27

Tgt Ion:330 Resp: 337469
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 35.4 25.2 37.8



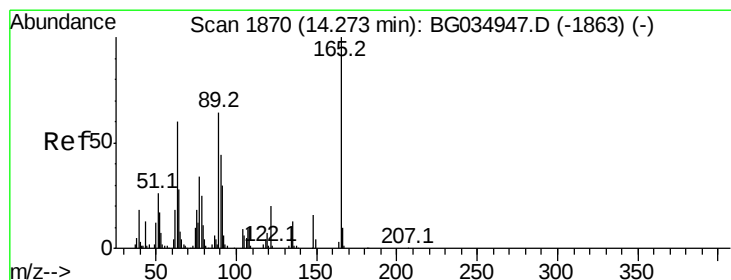
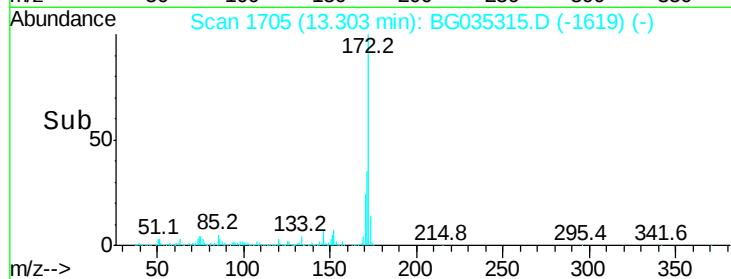
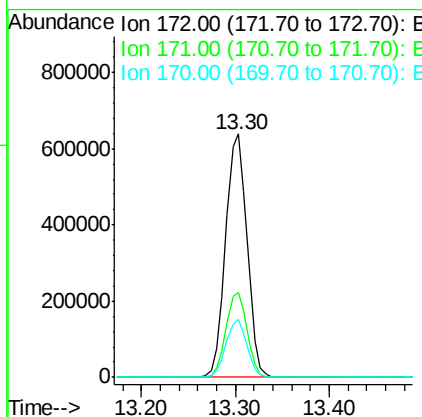
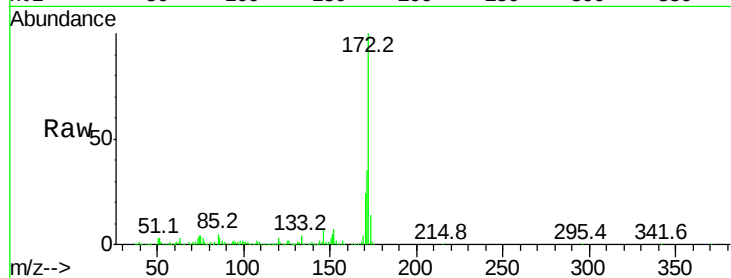


#44
 2-Fluorobiphenyl
 Concen: 103.282 ng
 RT: 13.30 min Scan# 1705
 Delta R.T. -0.02 min
 Lab File: BG035315.D
 Acq: 22 Jun 2018 2:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1011062

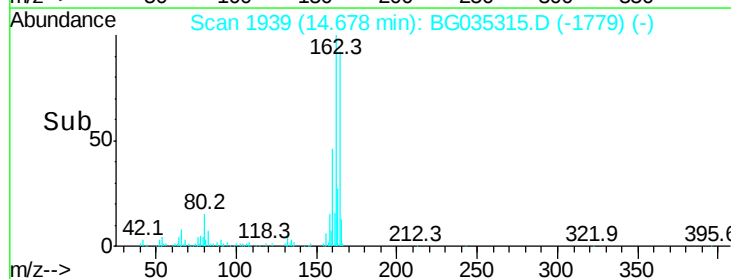
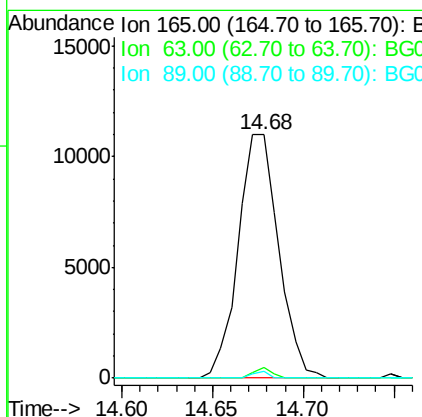
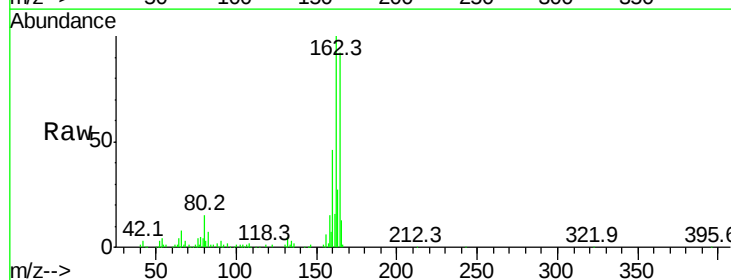
Ion	Ratio	Lower	Upper
172	100		
171	35.0	30.0	45.0
170	23.8	19.5	29.3

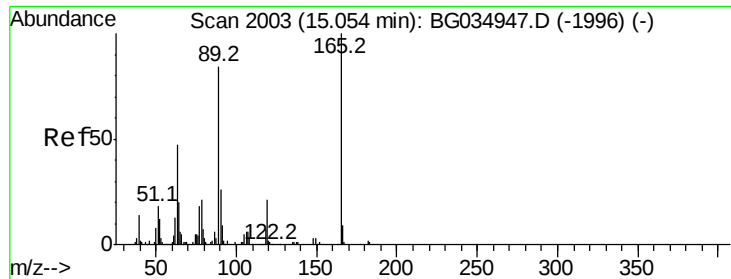


#50
 2,6-Dinitrotoluene
 Concen: 8.417 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. 0.41 min
 Lab File: BG035315.D
 Acq: 22 Jun 2018 2:27

Tgt Ion:165 Resp: 17040

Ion	Ratio	Lower	Upper
165	100		
63	4.5	52.7	79.1#
89	2.6	49.2	73.8#

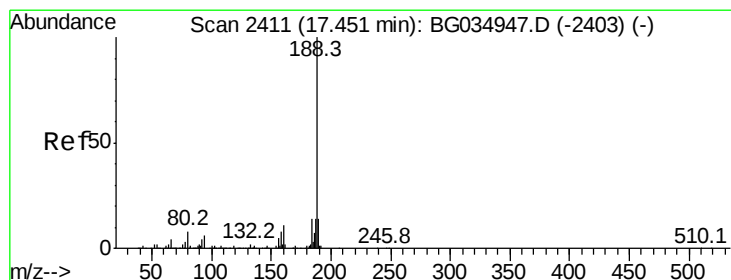
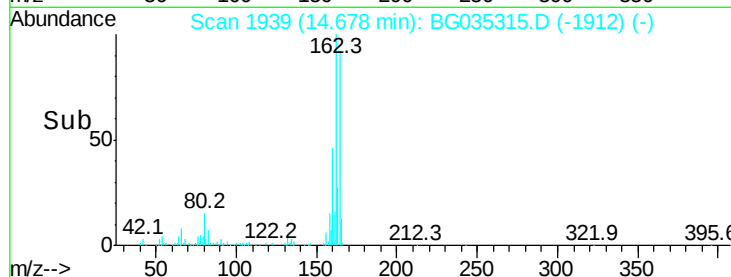
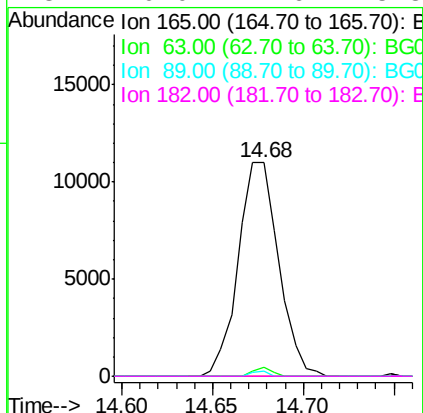
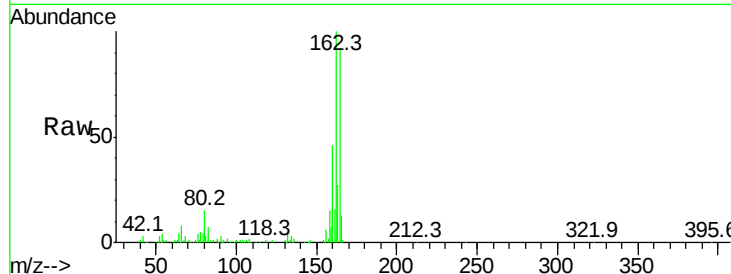




#56
 2,4-Dinitrotoluene
 Concen: 6.336 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.37 min
 Lab File: BG035315.D
 Acq: 22 Jun 2018 2:27

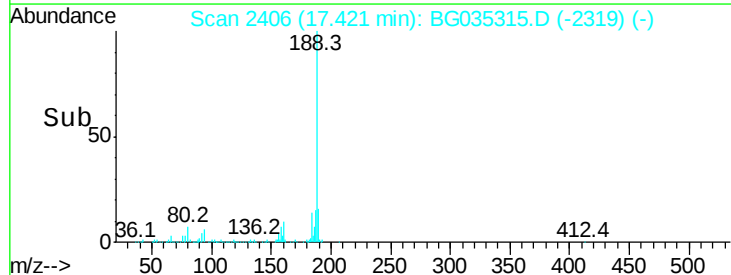
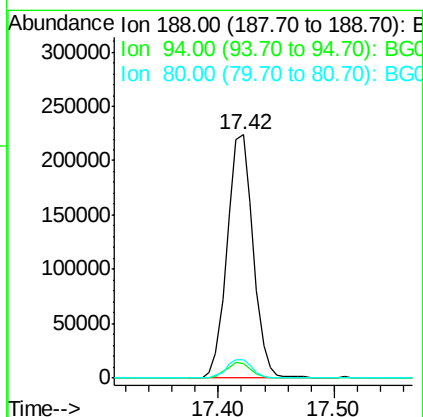
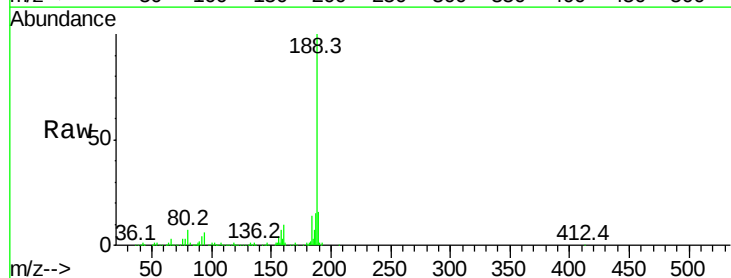
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 17040
 Ion Ratio Lower Upper
 165 100
 63 4.5 42.0 63.0#
 89 2.6 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2406
 Delta R.T. -0.02 min
 Lab File: BG035315.D
 Acq: 22 Jun 2018 2:27

Tgt Ion:188 Resp: 348036
 Ion Ratio Lower Upper
 188 100
 94 5.7 6.9 10.3#
 80 7.5 7.7 11.5#

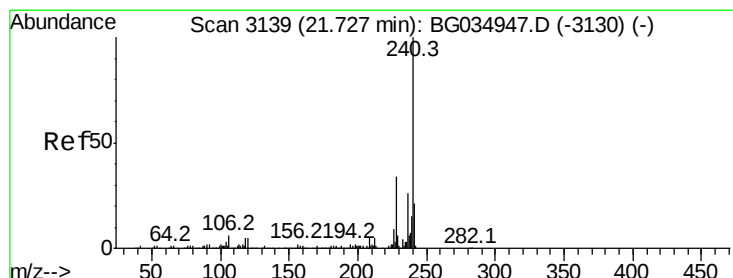
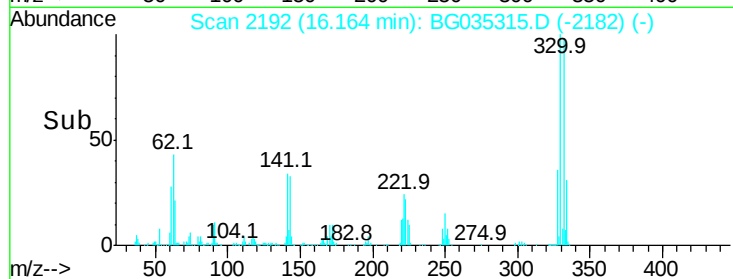
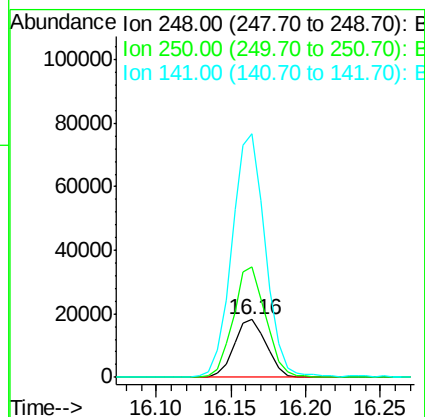
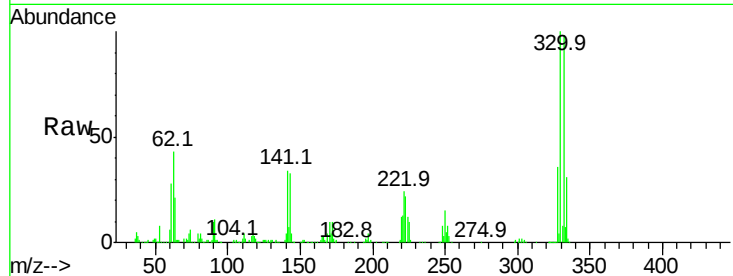




#66
 4-Bromophenyl-phenylether
 Concen: 6.582 ng
 RT: 16.16 min Scan# 2192
 Delta R.T. -0.47 min
 Lab File: BG035315.D
 Acq: 22 Jun 2018 2:27

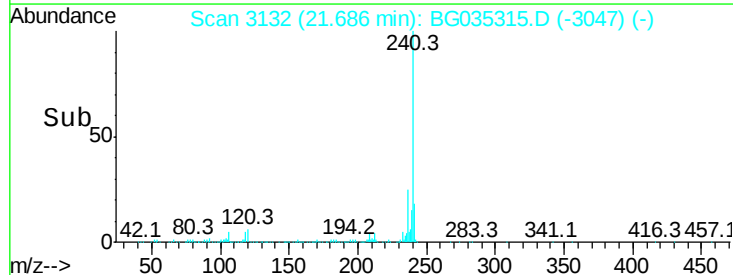
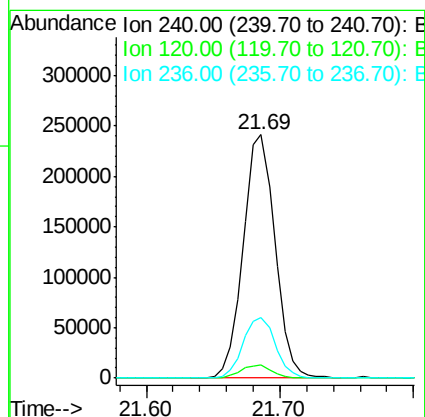
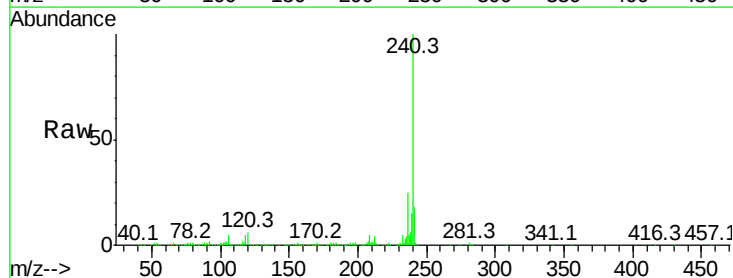
Instrument :
 BNA_G
 ClientSampled :

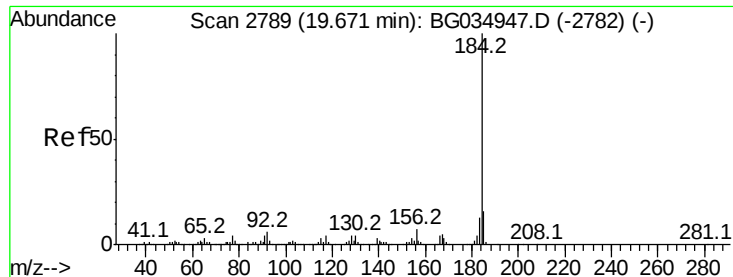
Tot Ion:248 Resp: 27585
 Ion Ratio Lower Upper
 248 100
 250 191.3 77.1 115.7#
 141 420.4 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3132
 Delta R.T. -0.03 min
 Lab File: BG035315.D
 Acq: 22 Jun 2018 2:27

Tgt Ion:240 Resp: 397192
 Ion Ratio Lower Upper
 240 100
 120 5.6 6.8 10.2#
 236 24.8 20.9 31.3





#76

Benzidine

Concen: 2.256 ng

RT: 20.03 min Scan# 2850

Delta R.T. 0.36 min

Lab File: BG035315.D

Acq: 22 Jun 2018 2:27

Instrument :

BNA_G

ClientSampleId :

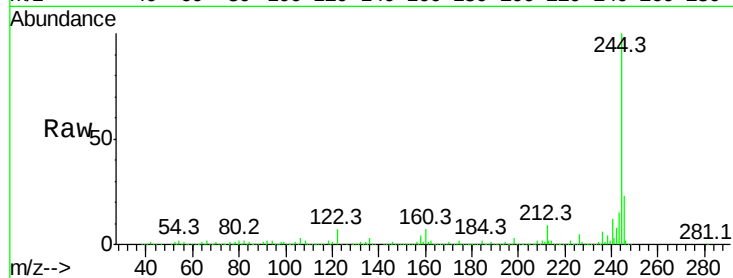
Tot Ion:184 Resp: 33331

Ion Ratio Lower Upper

184 100

185 13.5 11.1 16.7

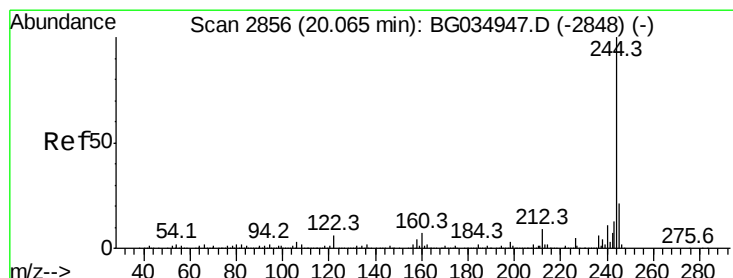
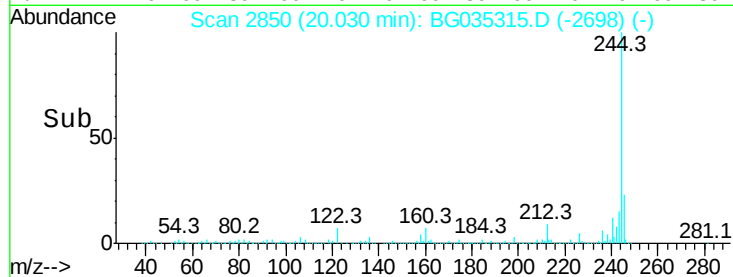
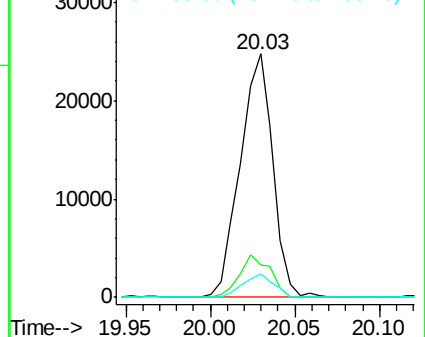
183 9.4 10.6 16.0#



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: 104.013 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG035315.D

Acq: 22 Jun 2018 2:27

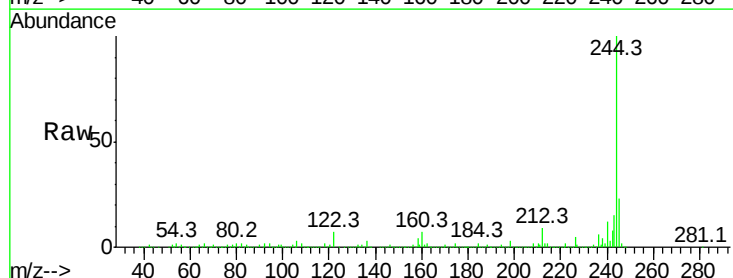
Tgt Ion:244 Resp: 1972300

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

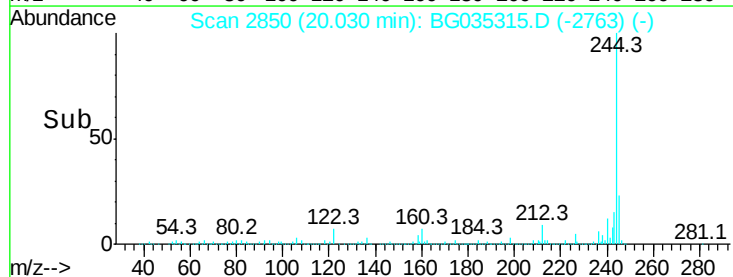
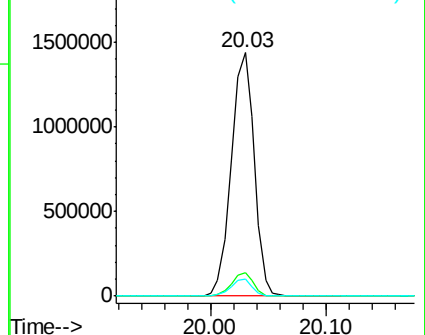
122 6.9 7.0 10.4#

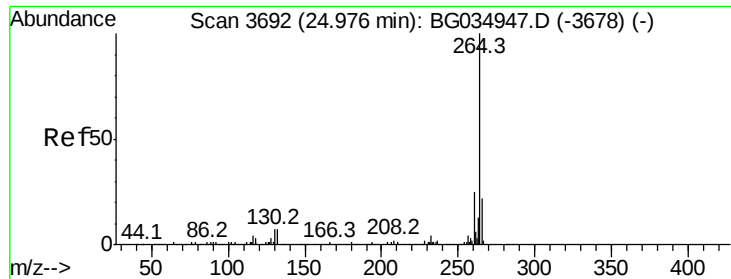


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

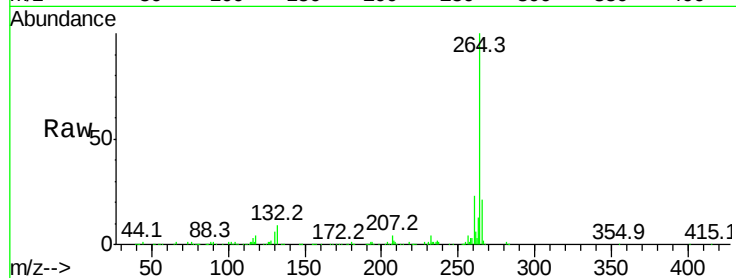




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.91 min Scan# 3680
 Delta R.T. -0.05 min
 Lab File: BG035315.D
 Acq: 22 Jun 2018 2:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.4	26.0
265	21.3	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

