

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070218\
 Data File : BG035575.D
 Acq On : 3 Jul 2018 7:21
 Operator : JU/SJ
 Sample : J3800-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 03 08:05:23 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

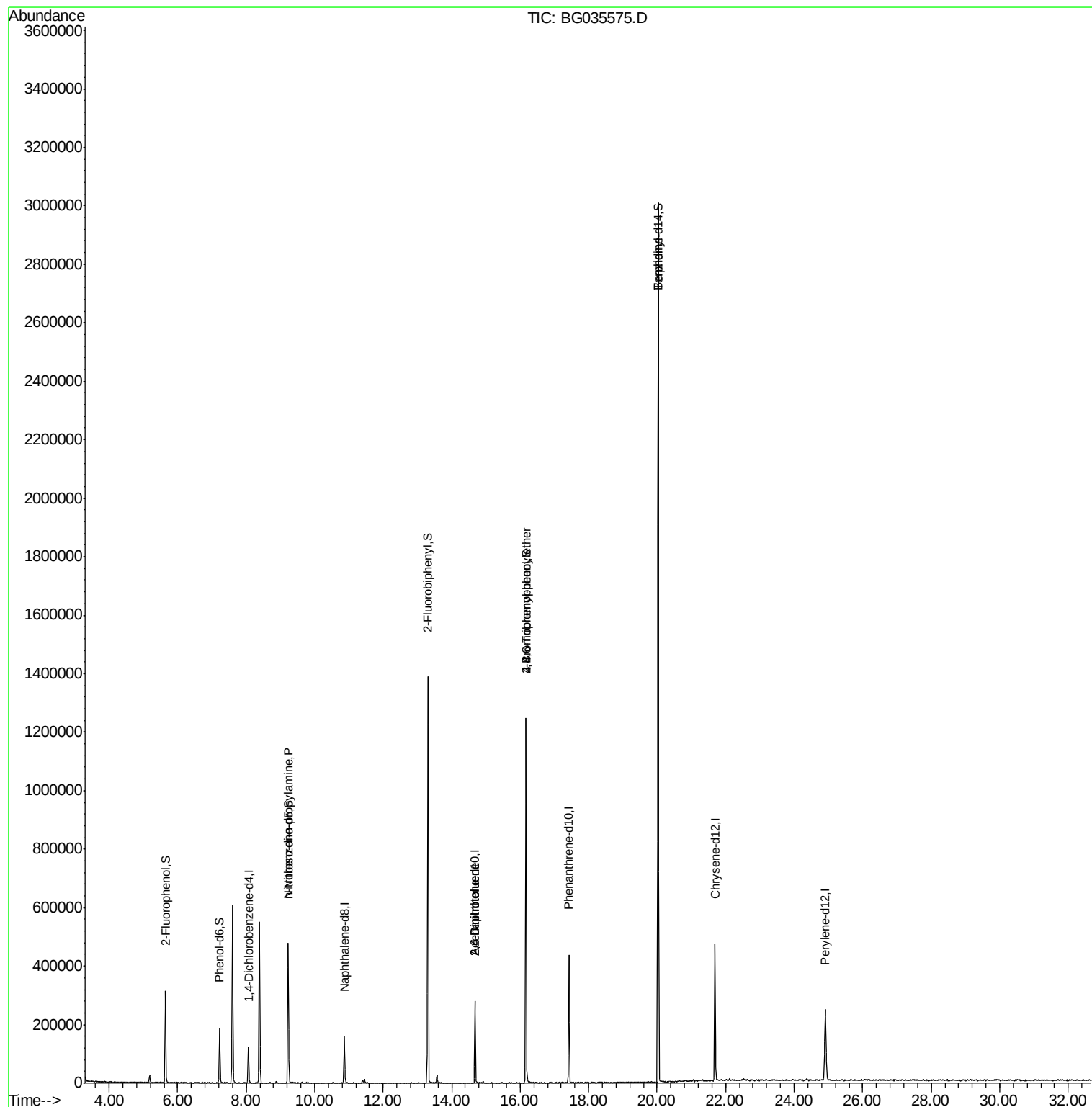
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	35242	20.00	ng	-0.02
21) Naphthalene-d8	10.87	136	135595	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	97357	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	276976	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	300293	20.00	ng	-0.03
86) Perylene-d12	24.91	264	285787	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	135265	64.77	ng	0.00
7) Phenol-d6	7.22	99	117328	38.07	ng	0.00
23) Nitrobenzene-d5	9.22	82	318294	111.58	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	238583	191.43	ng	-0.02
44) 2-Fluorobiphenyl	13.31	172	749059	100.02	ng	-0.02
78) Terphenyl-d14	20.03	244	1512199	105.48	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	43783	16.720	ng	# 68
50) 2,6-Dinitrotoluene	14.68	165	13478	8.702	ng	# 20
56) 2,4-Dinitrotoluene	14.68	165	13478	6.551	ng	# 18
66) 4-Bromophenyl-phenylether	16.17	248	17995	5.395	ng	# 1
76) Benzidine	20.03	184	25092	2.246	ng	# 92

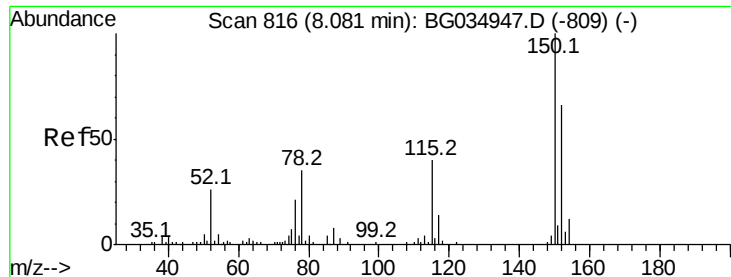
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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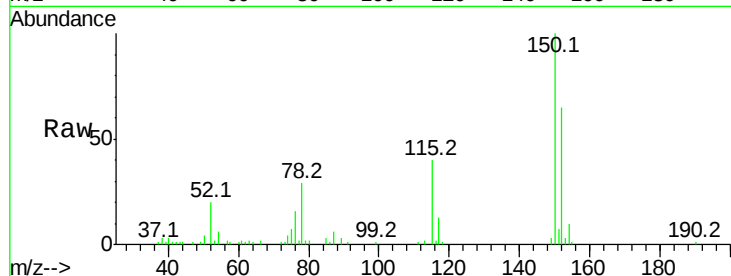


#1

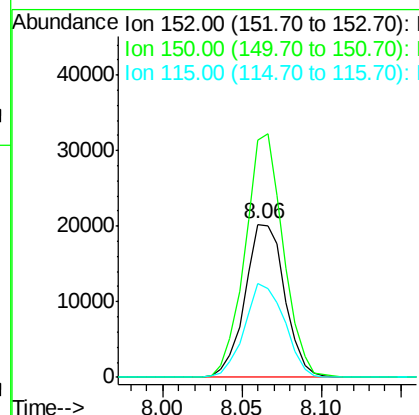
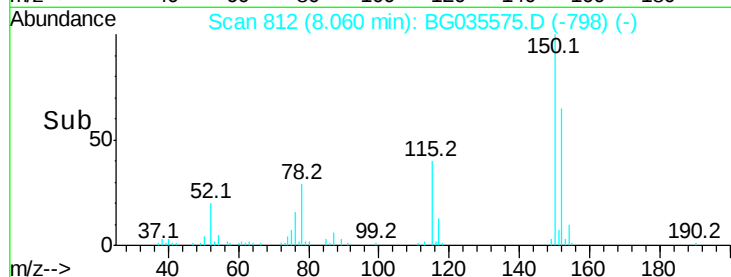
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: BG035575.D
 Acq: 3 Jul 2018 7:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 35242
 Ion Ratio Lower Upper
 152 100
 150 154.8 126.6 189.8
 115 61.3 53.0 79.4



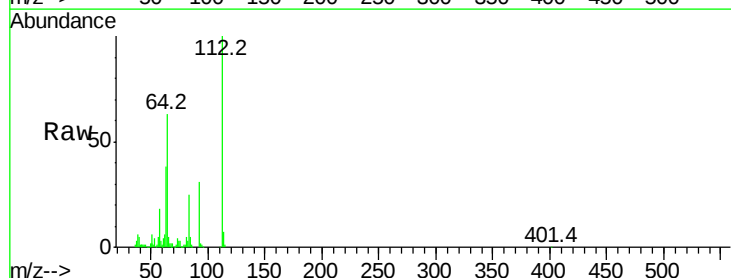
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



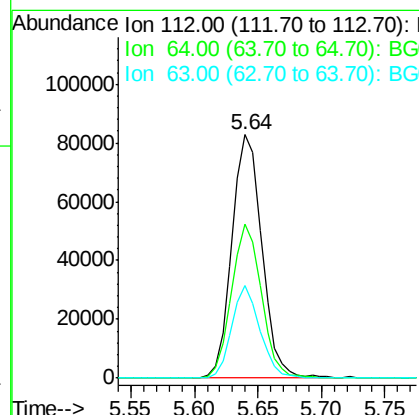
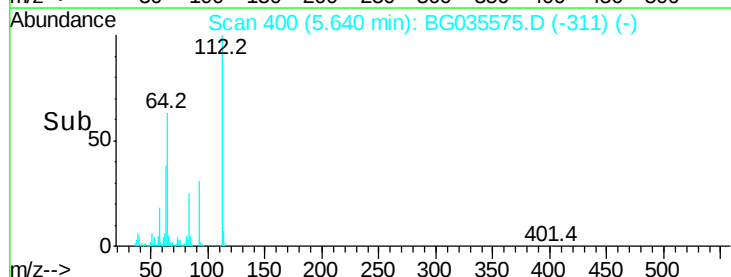
#5

2-Fluorophenol
 Concen: 64.773 ng
 RT: 5.64 min Scan# 400
 Delta R.T. -0.00 min
 Lab File: BG035575.D
 Acq: 3 Jul 2018 7:21

Tgt Ion:112 Resp: 135265
 Ion Ratio Lower Upper
 112 100
 64 63.4 56.3 84.5
 63 37.9 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG
 Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 38.067 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG035575.D

Acq: 3 Jul 2018 7:21

Instrument :

BNA_G

ClientSampleId :

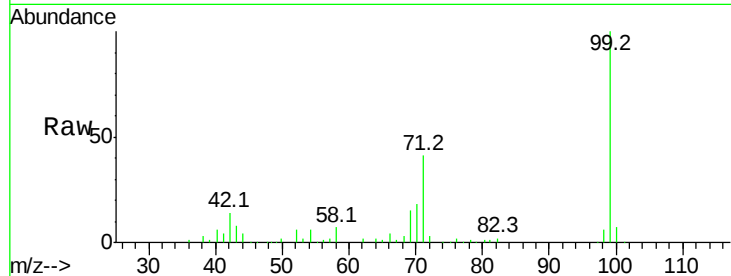
Tot Ion: 99 Resp: 117328

Ion Ratio Lower Upper

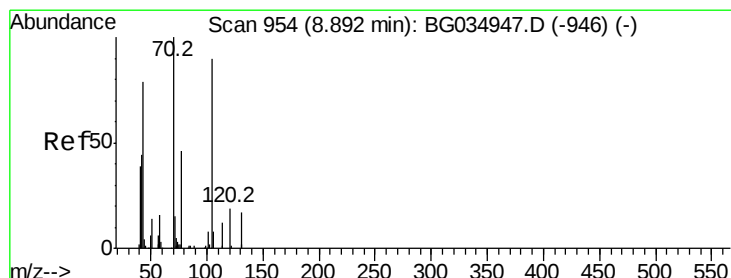
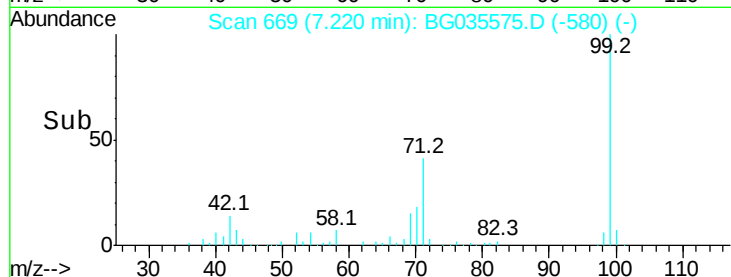
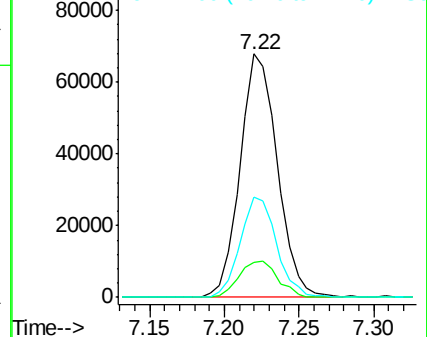
99 100

42 14.4 14.1 21.1

71 41.2 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: 16.720 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035575.D

Acq: 3 Jul 2018 7:21

Tgt Ion: 70 Resp: 43783

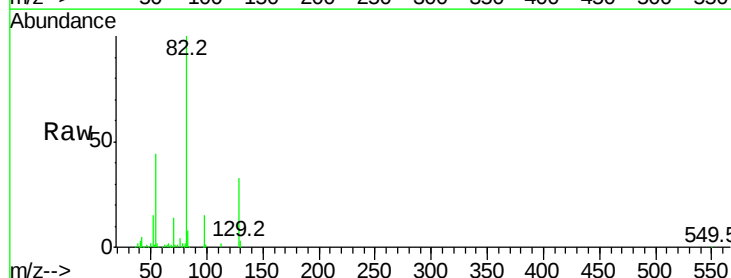
Ion Ratio Lower Upper

70 100

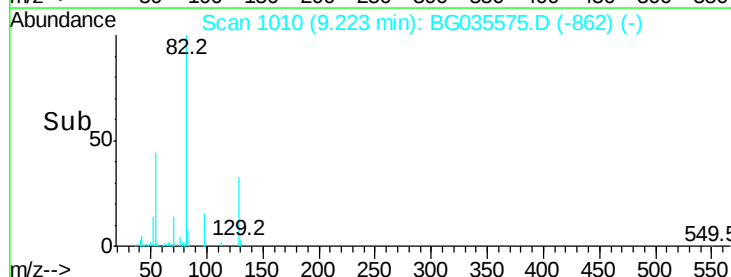
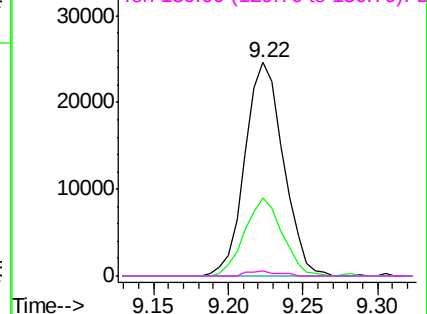
42 36.4 49.1 73.7#

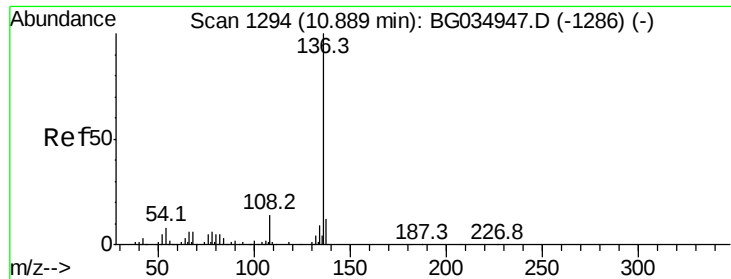
101 0.0 8.5 12.7#

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

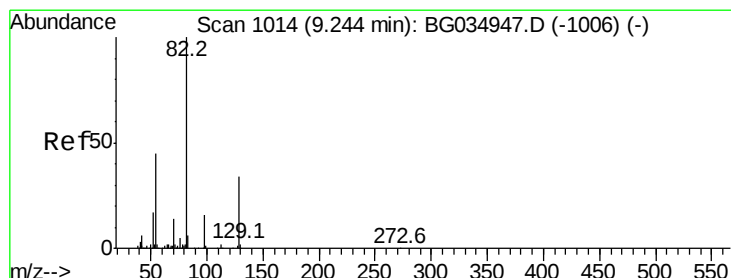
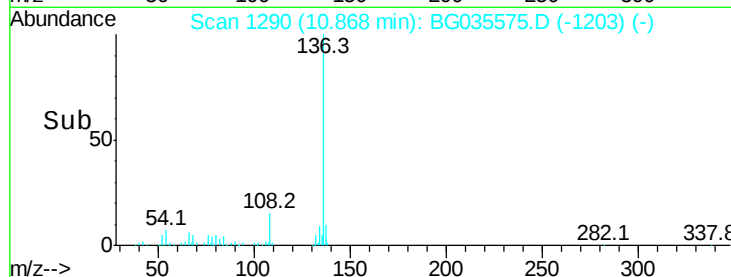
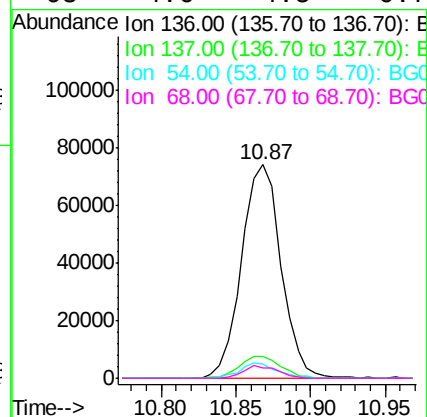
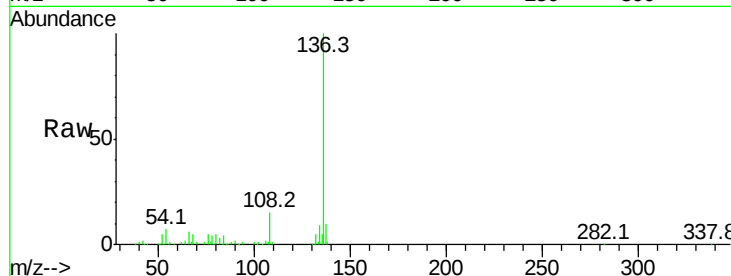




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BG035575.D
Acq: 3 Jul 2018 7:21

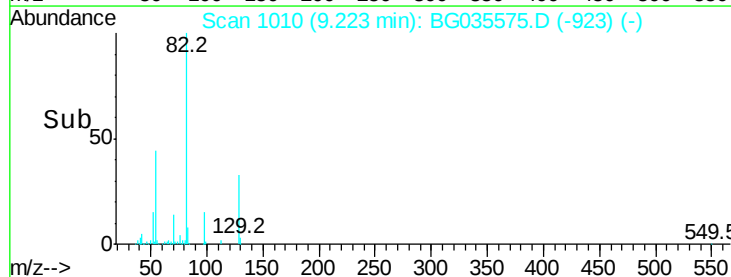
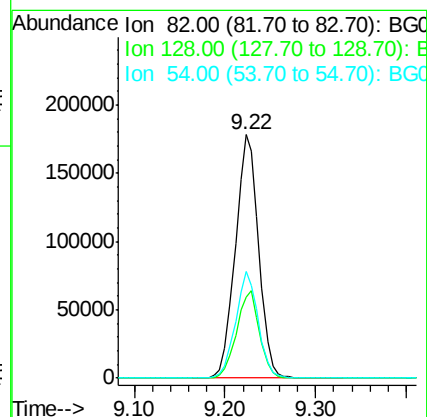
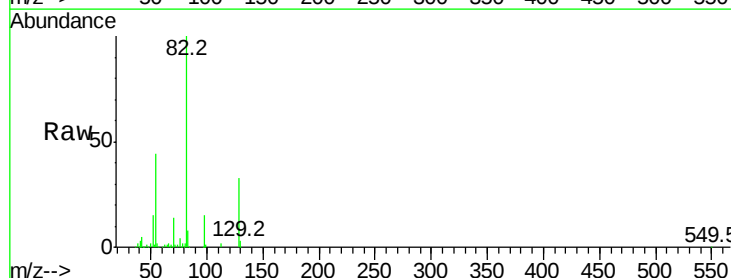
Instrument :
BNA_G
ClientSampleId :

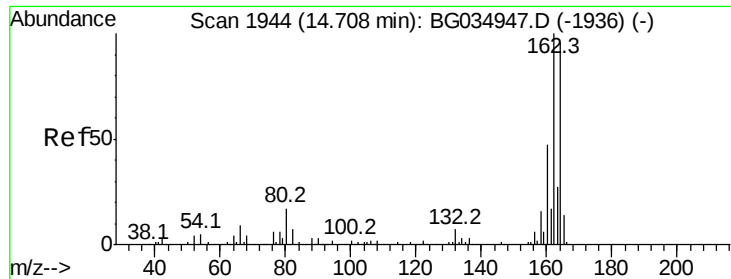
Tot Ion:	136	Resp:	135595
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.2	13.8
54	6.8	10.3	15.5
68	4.6	4.5	6.7



#23
Nitrobenzene-d5
Concen: 111.582 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG035575.D
Acq: 3 Jul 2018 7:21

Tgt Ion:	82	Resp:	318294
Ion	Ratio	Lower	Upper
82	100		
128	33.4	29.7	44.5
54	43.8	43.1	64.7

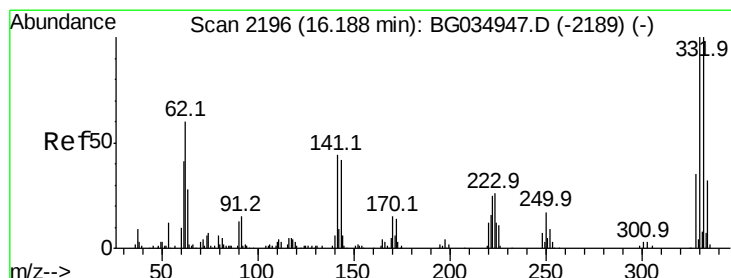
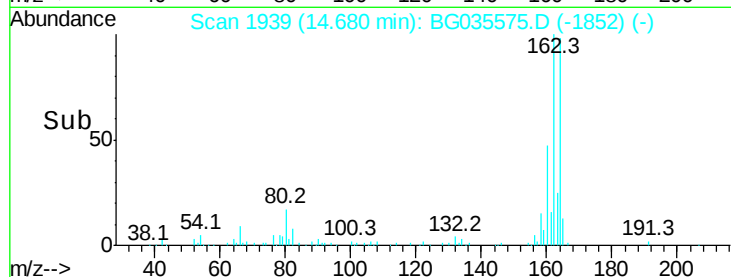
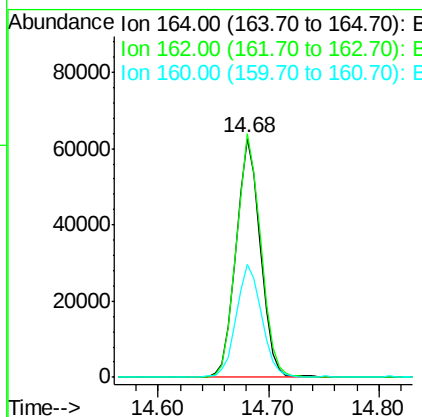
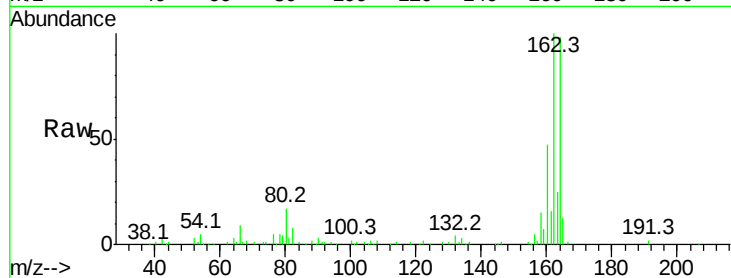




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.02 min
 Lab File: BG035575.D
 Acq: 3 Jul 2018 7:21

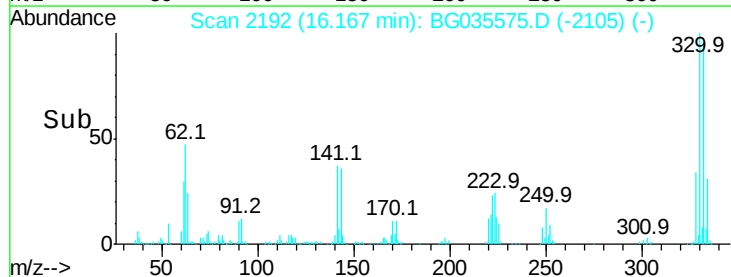
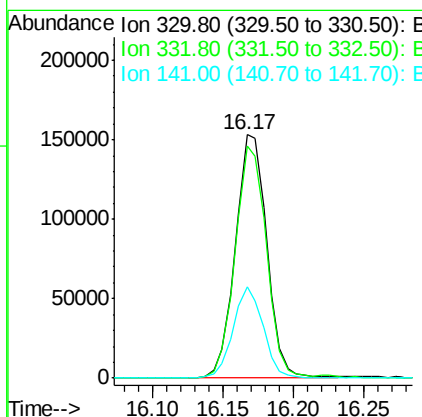
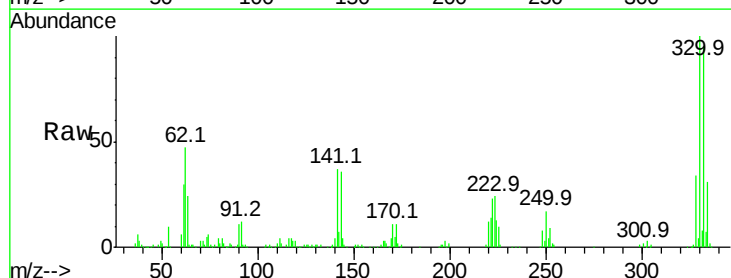
Instrument :
 BNA_G
 ClientSampleId :

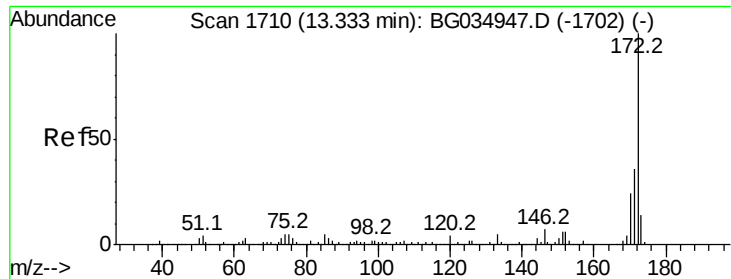
Tot Ion:164 Resp: 97357
 Ion Ratio Lower Upper
 164 100
 162 101.9 78.8 118.2
 160 47.6 35.4 53.0



#41
 2,4,6-Tribromophenol
 Concen: 191.434 ng
 RT: 16.17 min Scan# 2192
 Delta R.T. -0.02 min
 Lab File: BG035575.D
 Acq: 3 Jul 2018 7:21

Tgt Ion:330 Resp: 238583
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 36.1 25.2 37.8

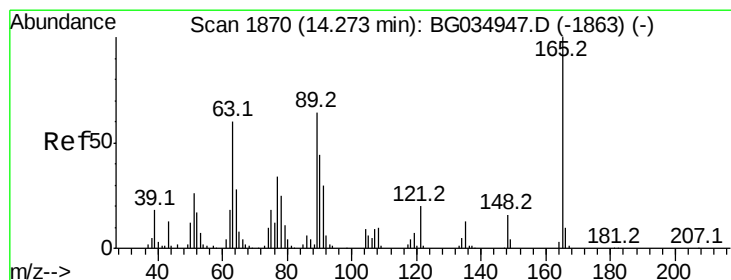
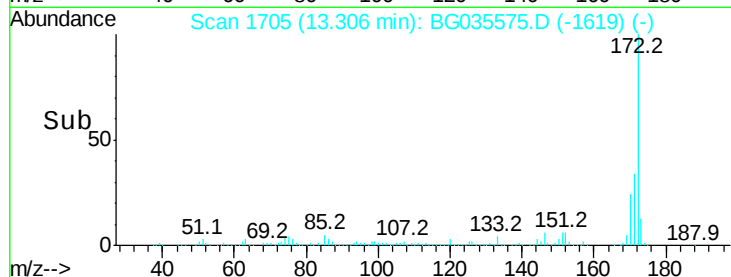
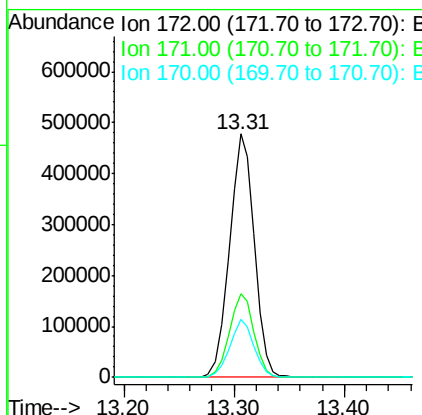
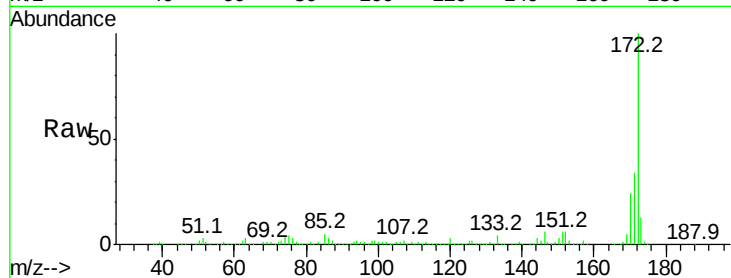




#44
 2-Fluorobiphenyl
 Concen: 100.021 ng
 RT: 13.31 min Scan# 1705
 Delta R.T. -0.02 min
 Lab File: BG035575.D
 Acq: 3 Jul 2018 7:21

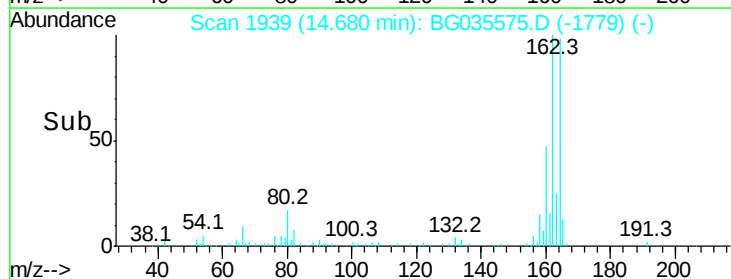
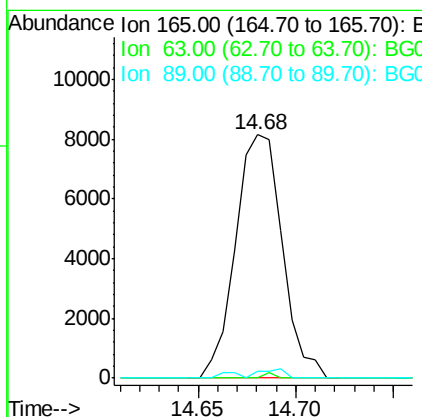
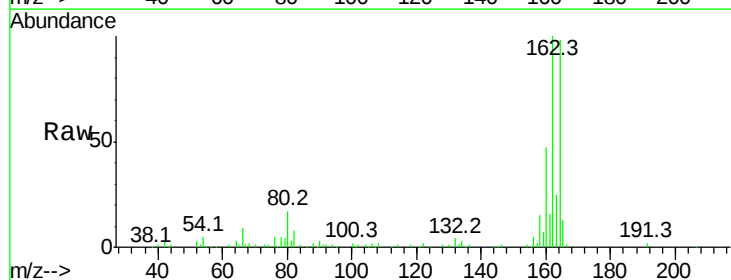
Instrument :
 BNA_G
 ClientSampleId :

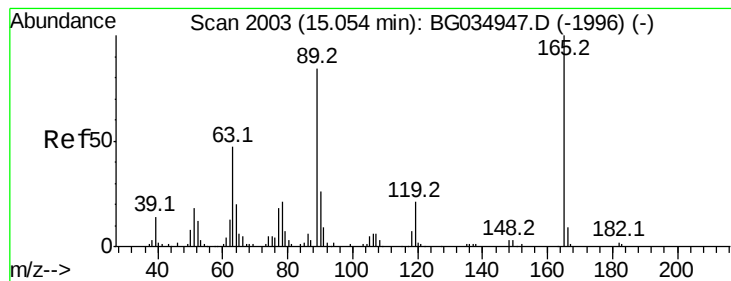
Tot Ion:172 Resp: 749059
 Ion Ratio Lower Upper
 172 100
 171 34.3 30.0 45.0
 170 23.8 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.702 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. 0.41 min
 Lab File: BG035575.D
 Acq: 3 Jul 2018 7:21

Tgt Ion:165 Resp: 13478
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.7 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 6.551 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.37 min

Lab File: BG035575.D

Acq: 3 Jul 2018 7:21

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 13478

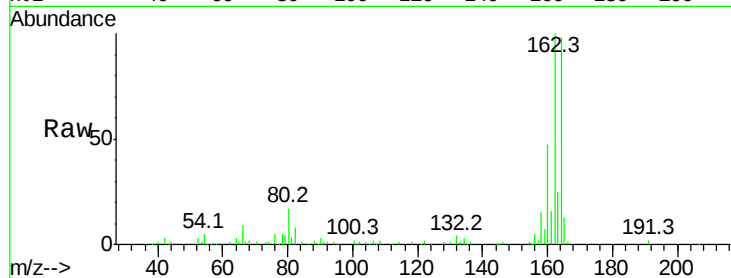
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.7 66.9 100.3#

182 0.0 2.6 3.8#

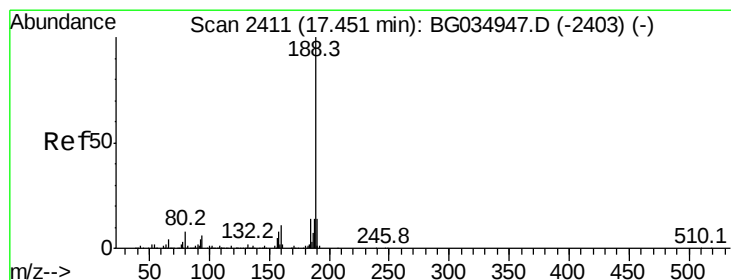
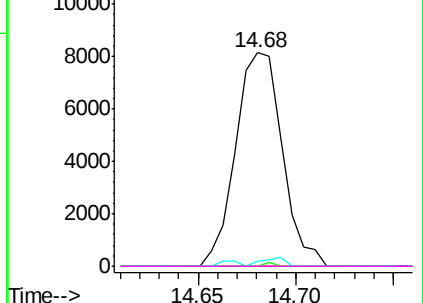
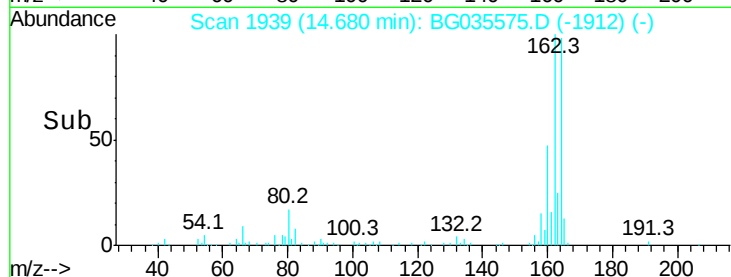


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2406

Delta R.T. -0.02 min

Lab File: BG035575.D

Acq: 3 Jul 2018 7:21

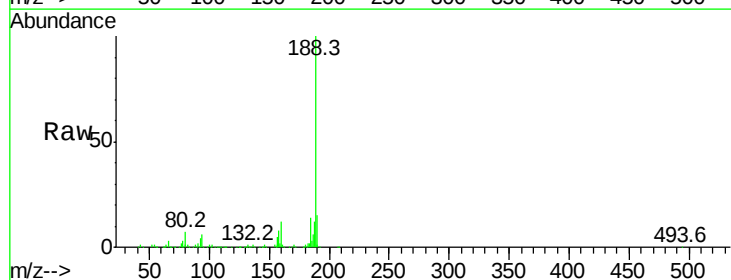
Tgt Ion:188 Resp: 276976

Ion Ratio Lower Upper

188 100

94 6.2 6.9 10.3#

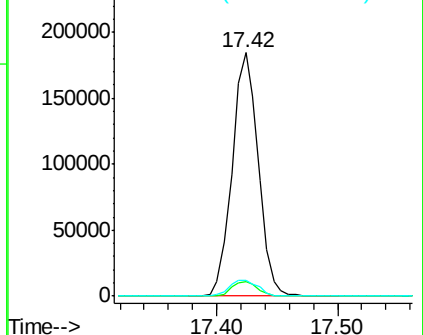
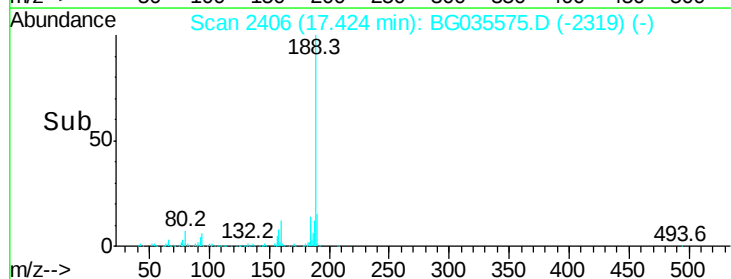
80 6.7 7.7 11.5#



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

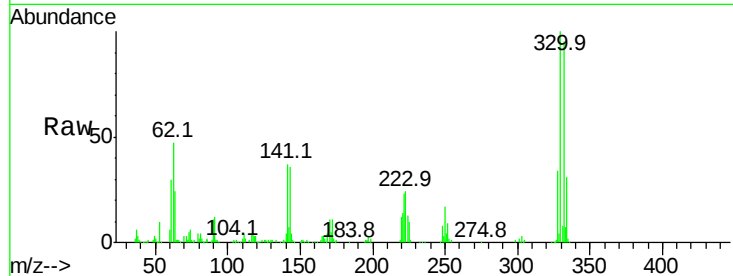




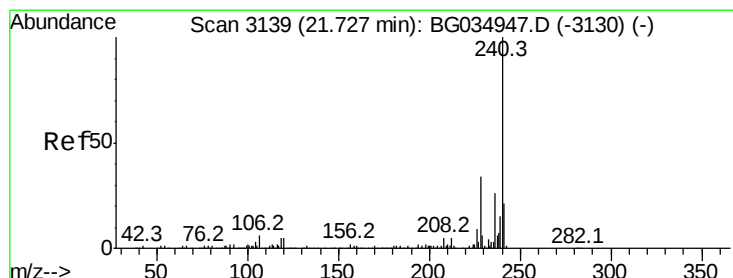
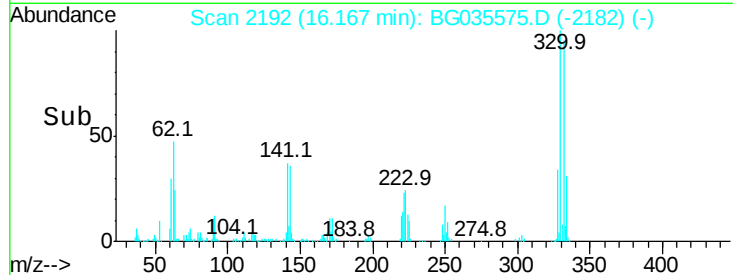
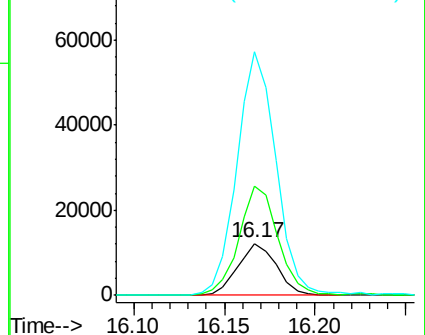
#66
4-Bromophenyl-phenylether
Concen: 5.395 ng
RT: 16.17 min Scan# 2192
Delta R.T. -0.47 min
Lab File: BG035575.D
Acq: 3 Jul 2018 7:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	209.4	77.1	115.7#
141	466.9	50.8	76.2#

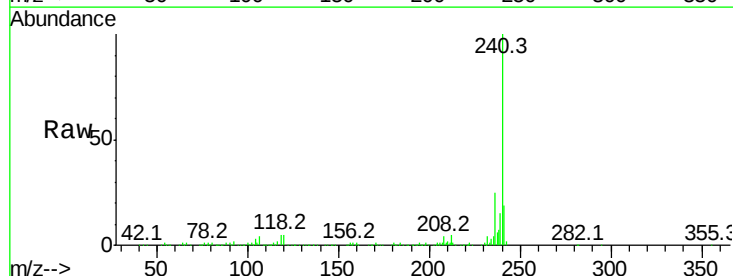


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

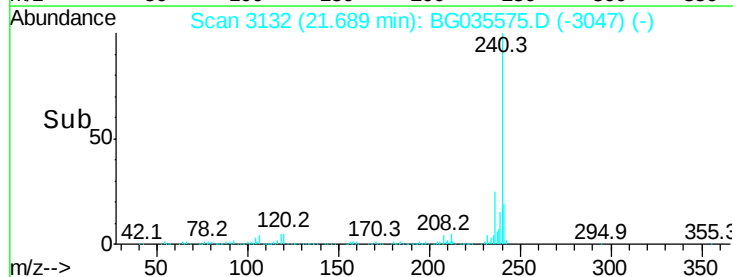
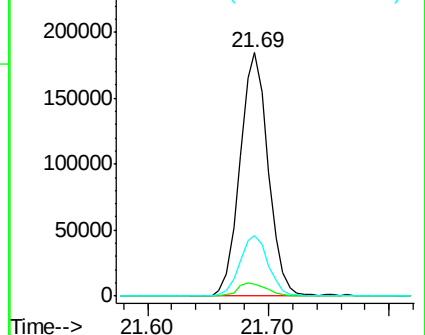


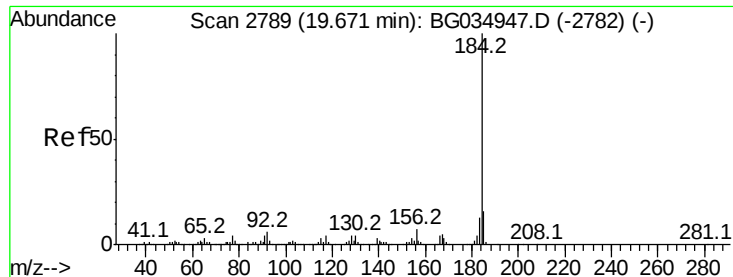
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3132
Delta R.T. -0.03 min
Lab File: BG035575.D
Acq: 3 Jul 2018 7:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.9	6.8	10.2#
236	24.6	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: 2.246 ng

RT: 20.03 min Scan# 2850

Delta R.T. 0.37 min

Lab File: BG035575.D

Acq: 3 Jul 2018 7:21

Instrument :

BNA_G

ClientSampled :

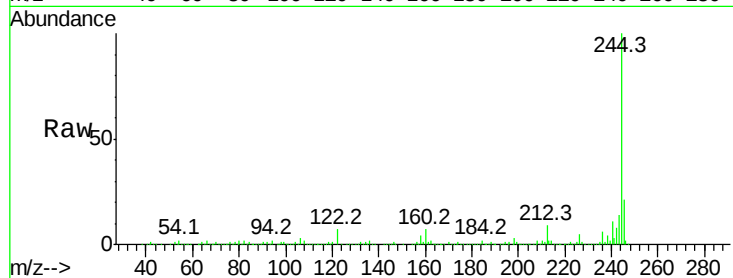
Tot Ion:184 Resp: 25092

Ion Ratio Lower Upper

184 100

185 12.0 11.1 16.7

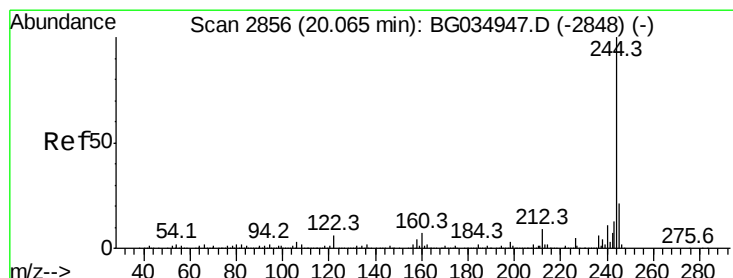
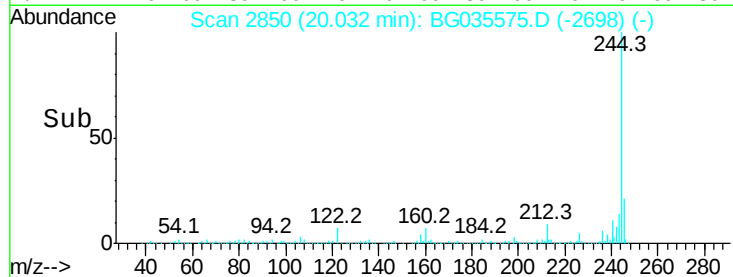
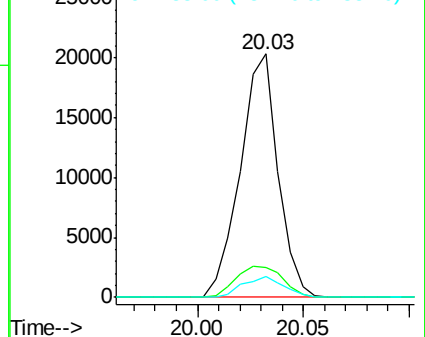
183 8.7 10.6 16.0#



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: 105.482 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG035575.D

Acq: 3 Jul 2018 7:21

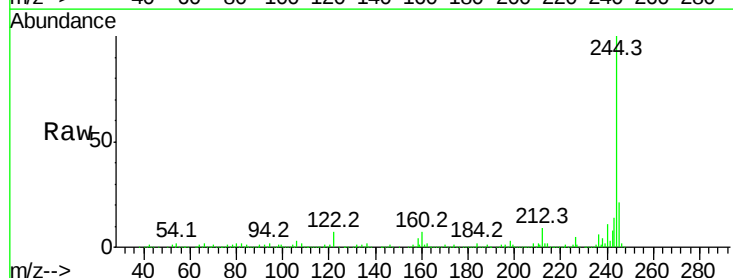
Tgt Ion:244 Resp: 1512199

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

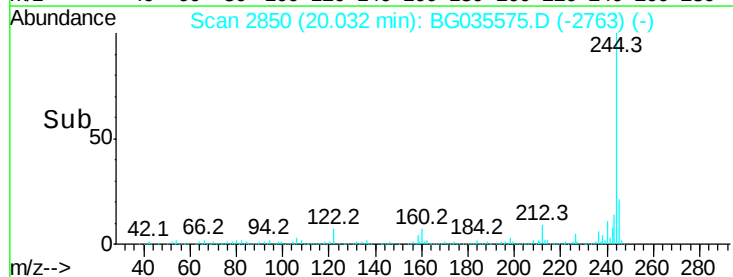
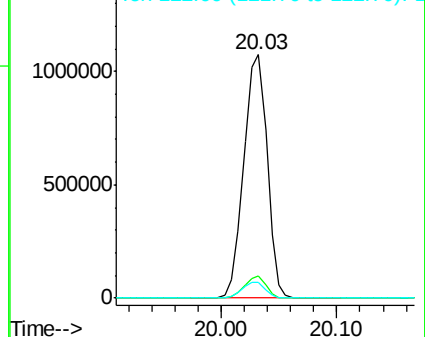
122 6.5 7.0 10.4#

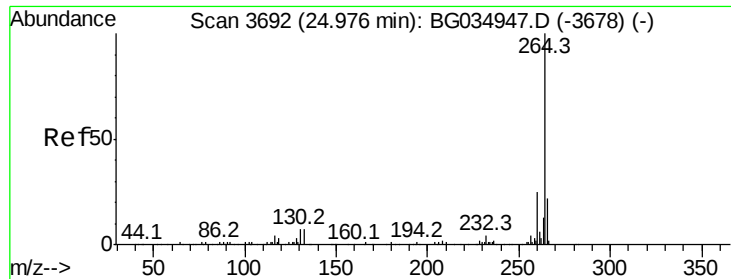


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

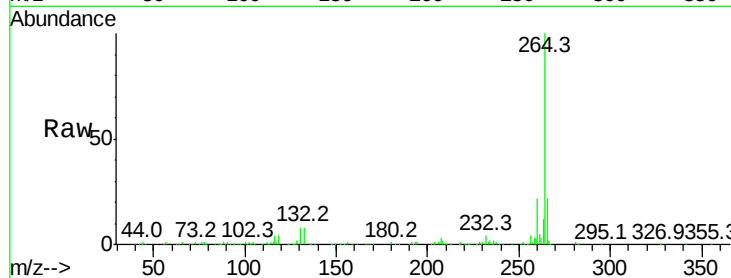




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.91 min Scan# 3680
Delta R.T. -0.05 min
Lab File: BG035575.D
Acq: 3 Jul 2018 7:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.5	17.4	26.0
265	21.6	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

