

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
 Data File : BG035999.D
 Acq On : 31 Jul 2018 7:15
 Operator : JU/SJ
 Sample : J4219-10
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 31 07:51:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 01:42:28 2018
 Response via : Initial Calibration

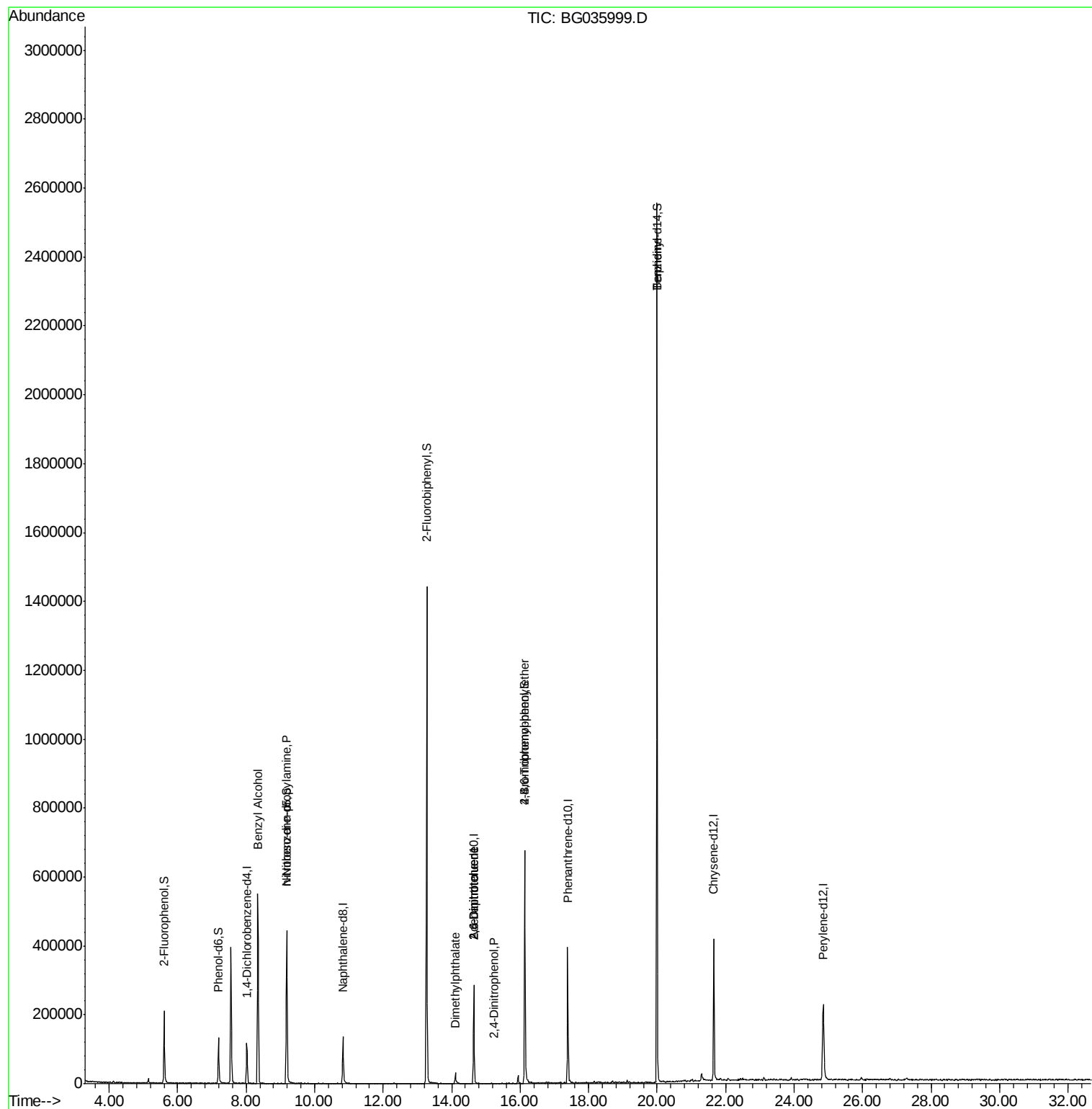
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	33682	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	130918	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	102312	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	276234	20.00	ng	0.00
75) Chrysene-d12	21.65	240	287557	20.00	ng	0.00
86) Perylene-d12	24.85	264	269073	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	98454	48.53	ng	0.00
7) Phenol-d6	7.19	99	89524	29.58	ng	0.00
23) Nitrobenzene-d5	9.18	82	313651	100.08	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	136080	100.91	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	801814	104.99	ng	0.00
78) Terphenyl-d14	20.00	244	1213241	93.00	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.35	79	5503	2.002	ng	# 58
19) n-Nitroso-di-n-propylamine	9.18	70	43636	17.120	ng	# 67
49) Dimethylphthalate	14.11	163	28228	3.149	ng	# 94
50) 2,6-Dinitrotoluene	14.65	165	13600	7.450	ng	# 18
53) 2,4-Dinitrophenol	15.24	184	86	6.666	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	13600	5.193	ng	# 16
66) 4-Bromophenyl-phenylether	16.13	248	11503	3.589	ng	# 1
76) Benzidine	20.00	184	20846	2.757	ng	95

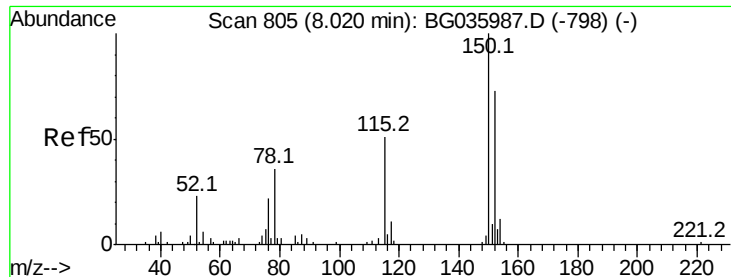
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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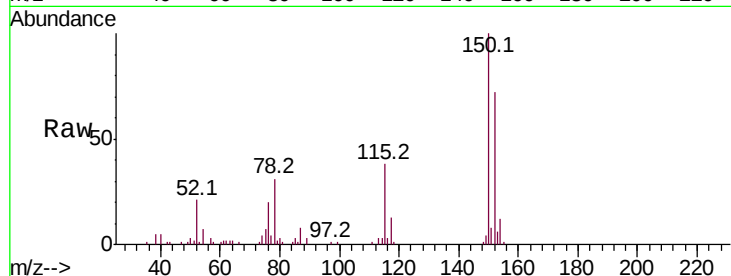


#1

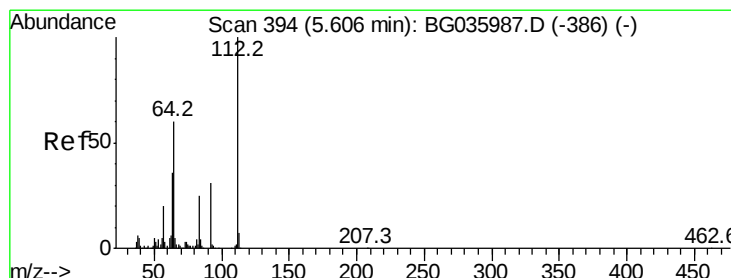
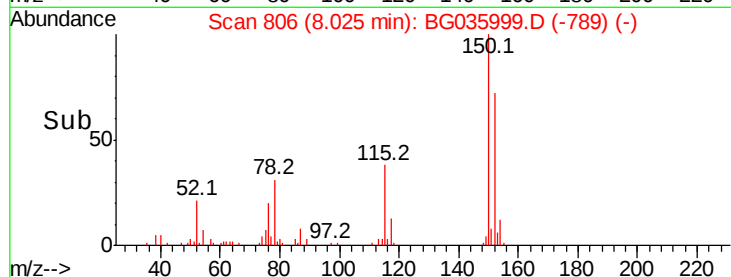
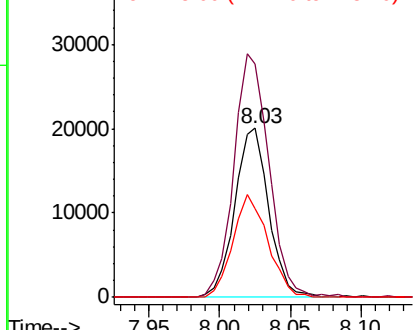
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 806
Delta R.T. 0.00 min
Lab File: BG035999.D
Acq: 31 Jul 2018 7:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33682
Ion Ratio Lower Upper
152 100
150 138.0 126.6 189.8
115 52.7 53.0 79.4#



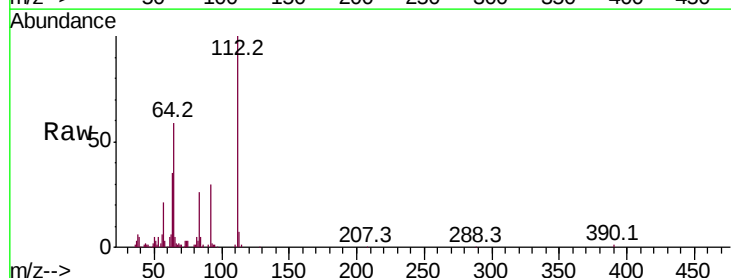
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



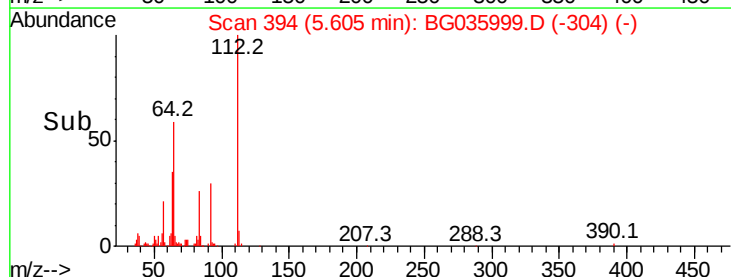
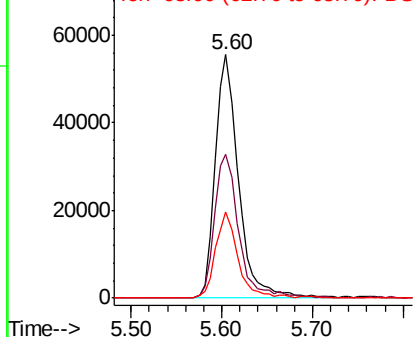
#5

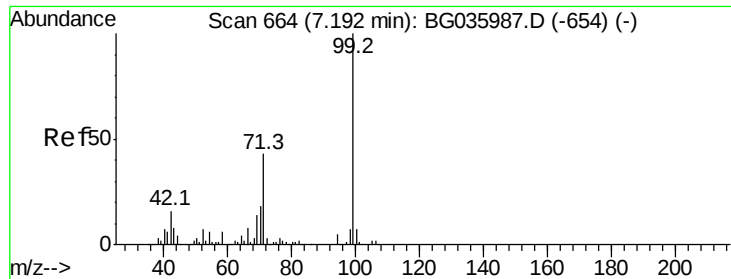
2-Fluorophenol
Concen: 48.529 ng
RT: 5.60 min Scan# 394
Delta R.T. 0.00 min
Lab File: BG035999.D
Acq: 31 Jul 2018 7:15

Tgt Ion:112 Resp: 98454
Ion Ratio Lower Upper
112 100
64 59.3 56.3 84.5
63 35.2 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: 29.576 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG035999.D

Acq: 31 Jul 2018 7:15

Instrument :

BNA_G

ClientSampleId :

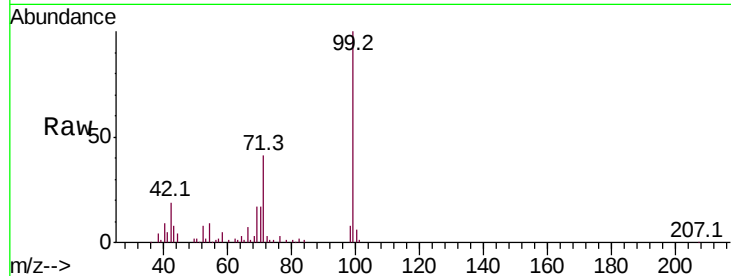
Tot Ion: 99 Resp: 89524

Ion Ratio Lower Upper

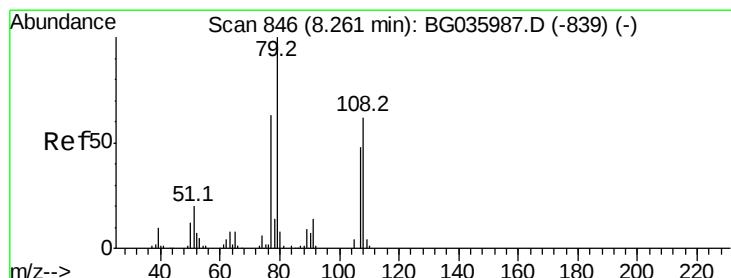
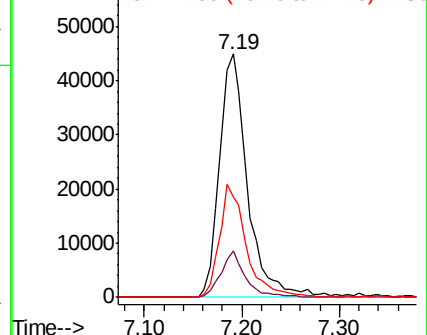
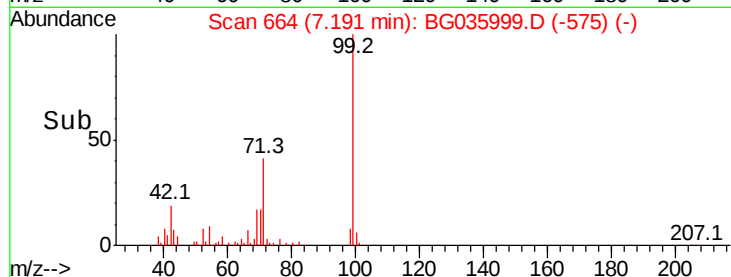
99 100

42 18.8 14.1 21.1

71 41.3 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



#15

Benzyl Alcohol

Concen: 2.002 ng

RT: 8.35 min Scan# 861

Delta R.T. 0.08 min

Lab File: BG035999.D

Acq: 31 Jul 2018 7:15

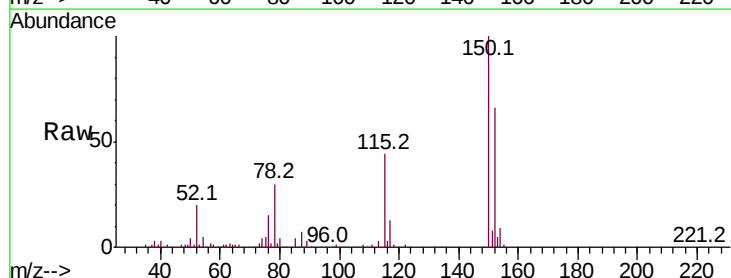
Tgt Ion: 79 Resp: 5503

Ion Ratio Lower Upper

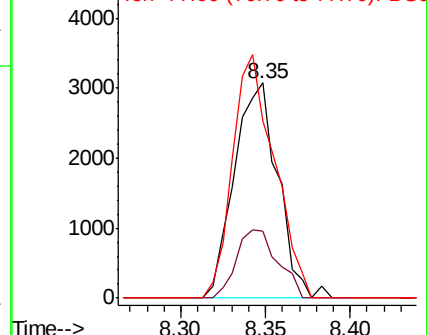
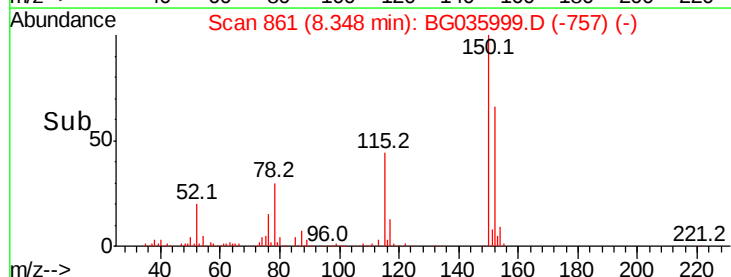
79 100

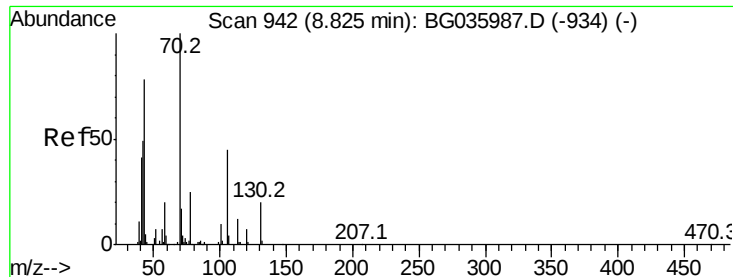
108 31.0 57.2 85.8#

77 82.4 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 17.120 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.35 min

Lab File: BG035999.D

Acq: 31 Jul 2018 7:15

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 43636

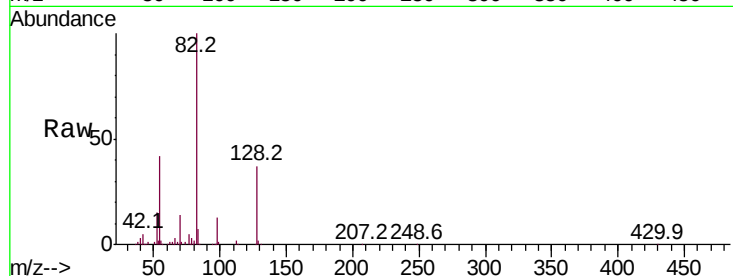
Ion Ratio Lower Upper

70 100

42 36.1 49.1 73.7#

101 0.0 8.5 12.7#

130 1.3 13.4 20.0#

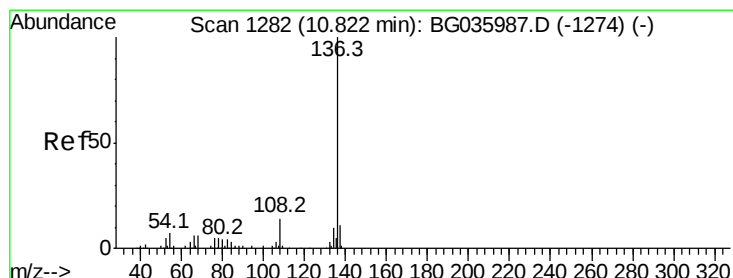
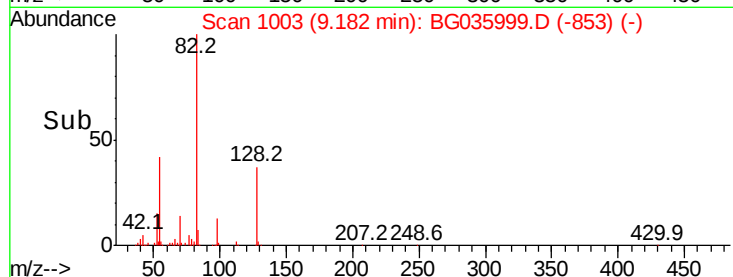
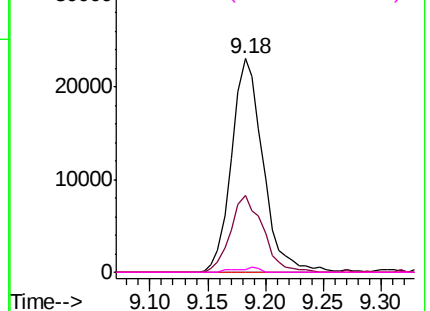


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.83 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BG035999.D

Acq: 31 Jul 2018 7:15

Tgt Ion: 136 Resp: 130918

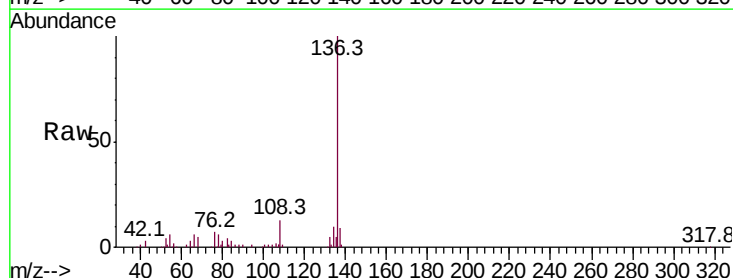
Ion Ratio Lower Upper

136 100

137 9.4 9.2 13.8

54 6.3 10.3 15.5#

68 4.6 4.5 6.7

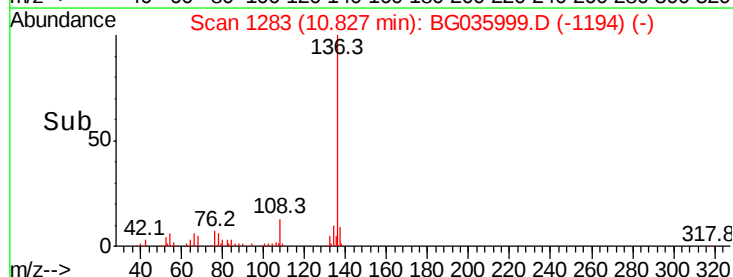
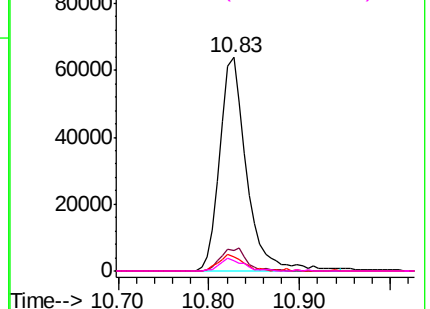


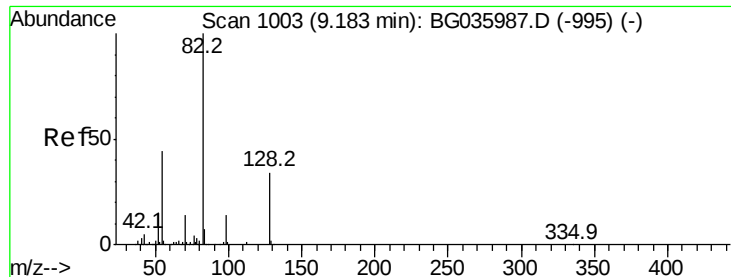
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

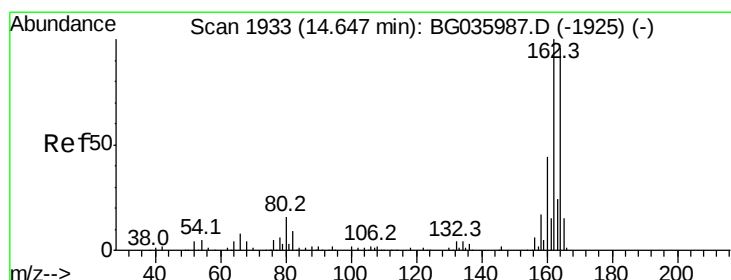
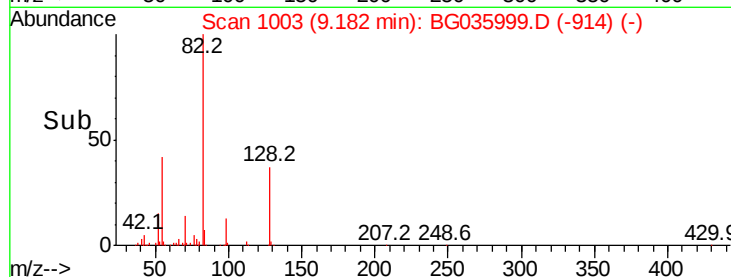
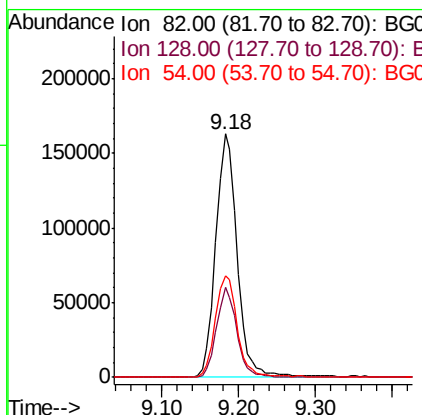
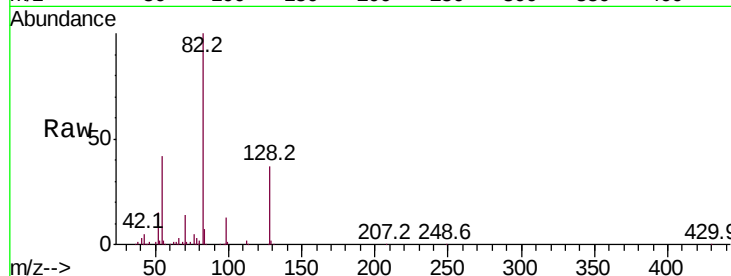




#23
 Nitrobenzene-d5
 Concen: 100.083 ng
 RT: 9.18 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: BG035999.D
 Acq: 31 Jul 2018 7:15

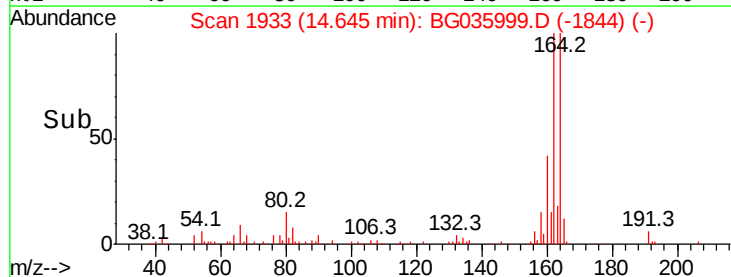
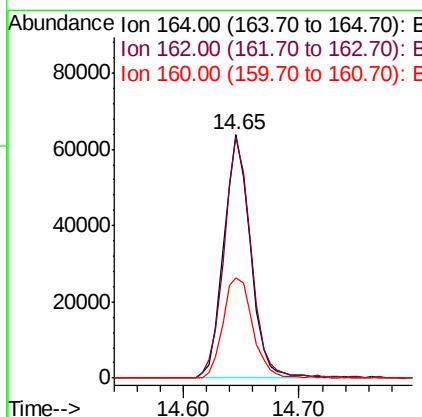
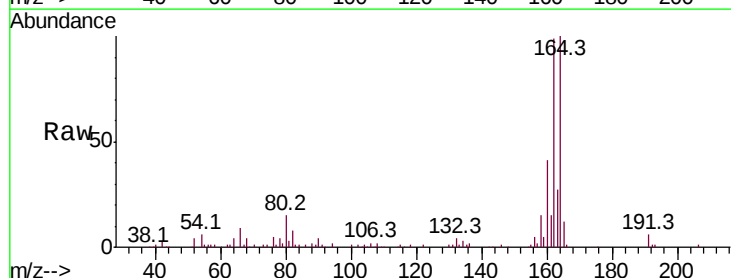
Instrument :
 BNA_G
 ClientSampleId :

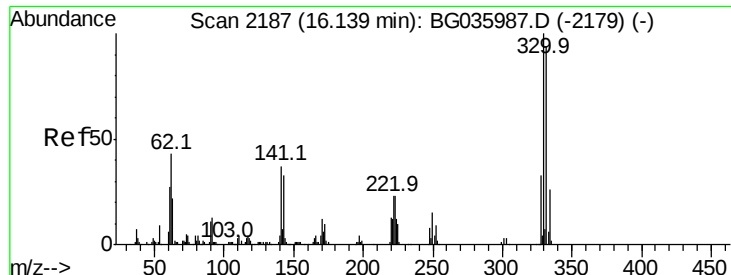
Tot Ion	Ratio	Lower	Upper
82	100		
128	36.7	29.7	44.5
54	42.0	43.1	64.7#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1933
 Delta R.T. -0.01 min
 Lab File: BG035999.D
 Acq: 31 Jul 2018 7:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.3	78.8	118.2
160	41.3	35.4	53.0

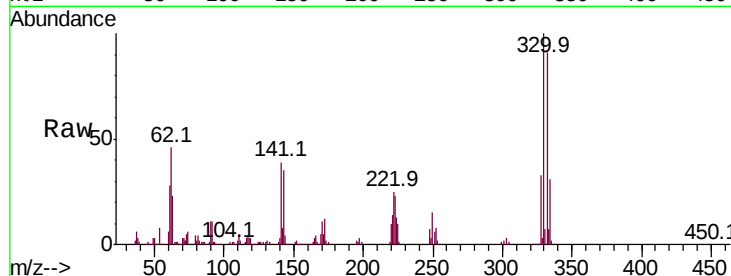




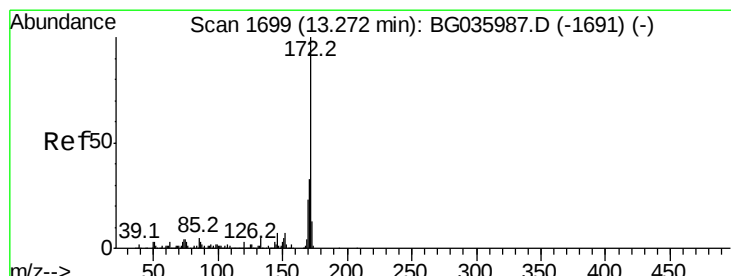
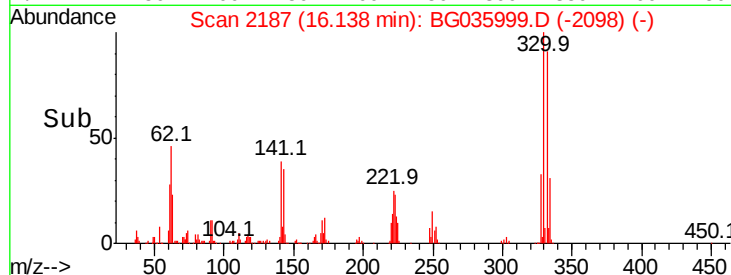
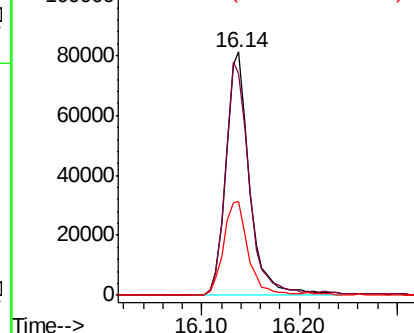
#41
 2,4,6-Tribromophenol
 Concen: 100.909 ng
 RT: 16.14 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: BG035999.D
 Acq: 31 Jul 2018 7:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	40.1	25.2	37.8#

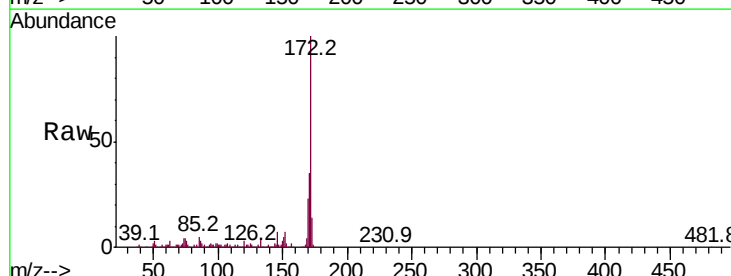


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

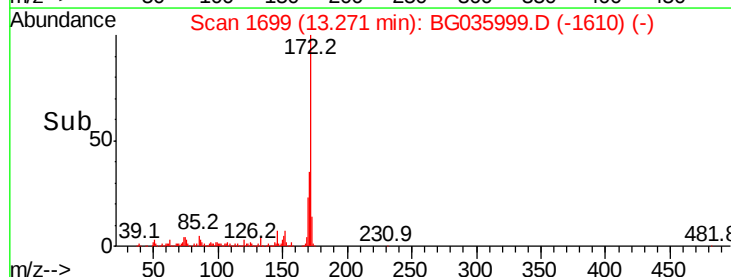
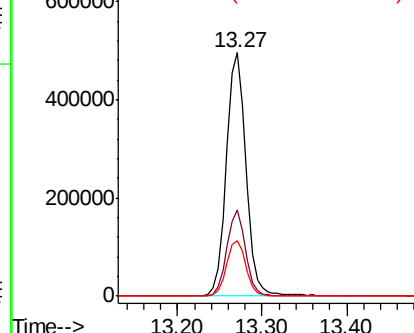


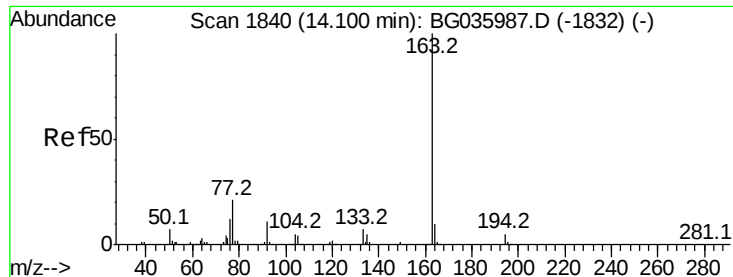
#44
 2-Fluorobiphenyl
 Concen: 104.995 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG035999.D
 Acq: 31 Jul 2018 7:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	30.0	45.0
170	22.9	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





#49

Dimethylphthalate

Concen: 3.149 ng

RT: 14.11 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BG035999.D

Acq: 31 Jul 2018 7:15

Instrument :

BNA_G

ClientSampleId :

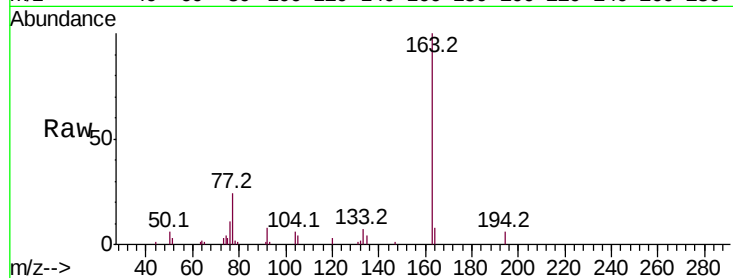
Tot Ion:163 Resp: 28228

Ion Ratio Lower Upper

163 100

194 5.9 3.4 5.2#

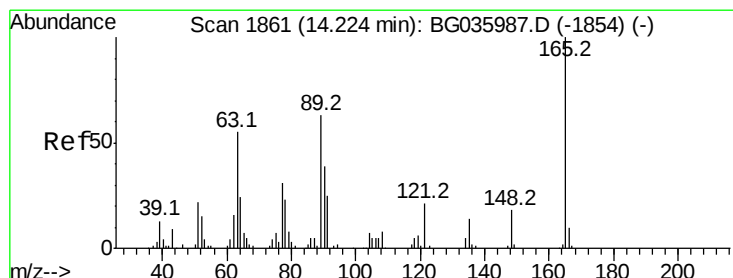
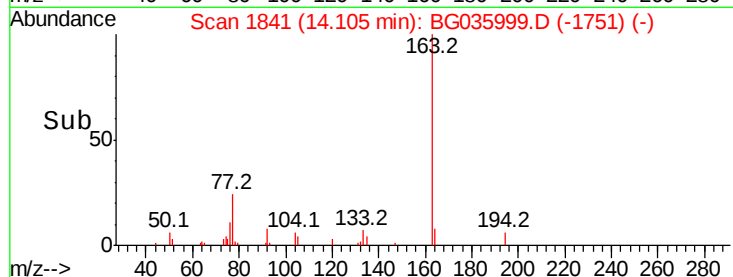
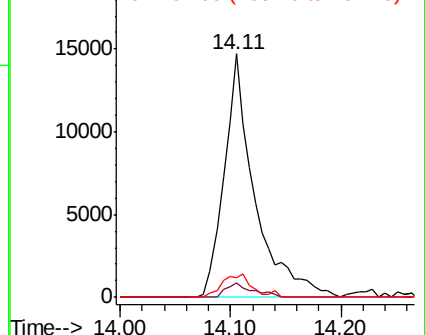
164 8.0 8.2 12.4#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.450 ng

RT: 14.65 min Scan# 1934

Delta R.T. 0.42 min

Lab File: BG035999.D

Acq: 31 Jul 2018 7:15

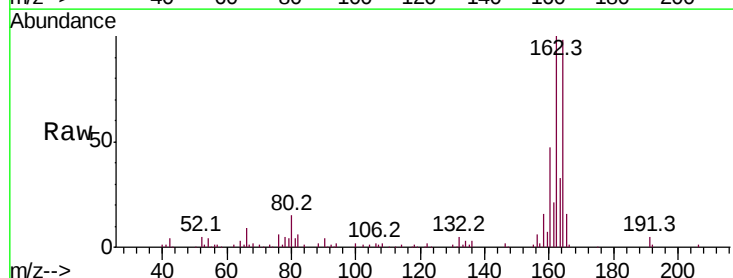
Tgt Ion:165 Resp: 13600

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

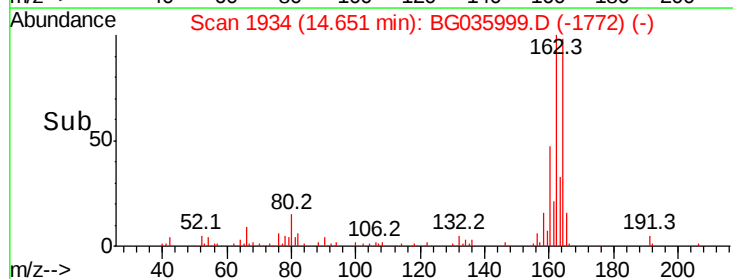
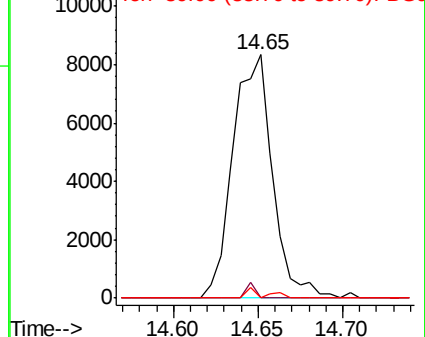
89 0.0 49.2 73.8#

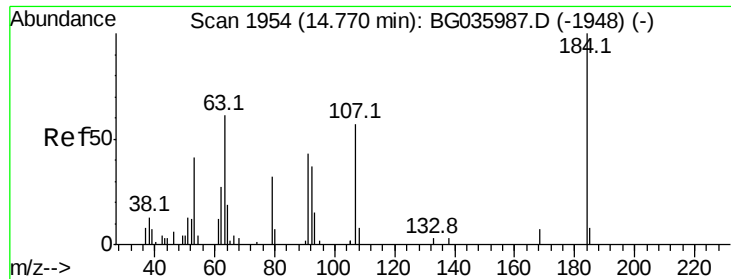


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

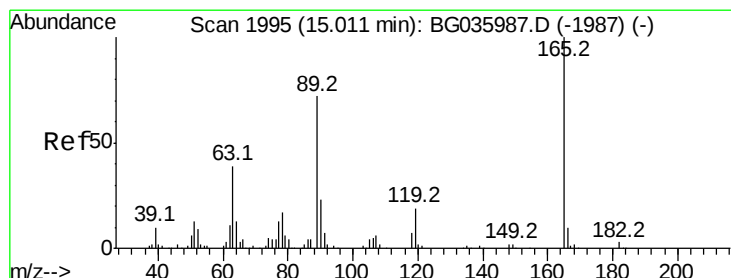
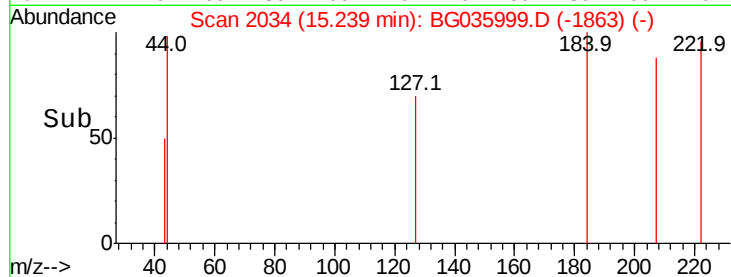
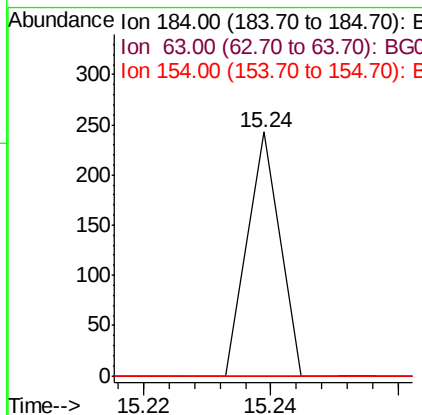
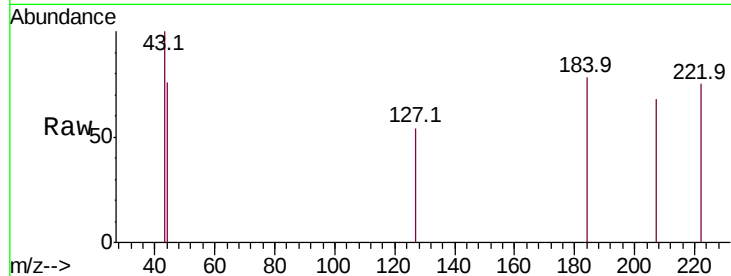




#53
 2,4-Dinitrophenol
 Concen: 6.666 ng
 RT: 15.24 min Scan# 2034
 Delta R.T. 0.48 min
 Lab File: BG035999.D
 Acq: 31 Jul 2018 7:15

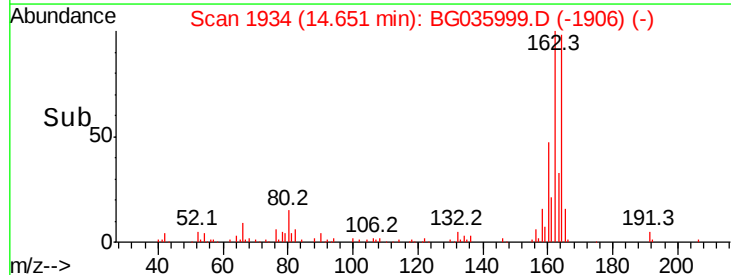
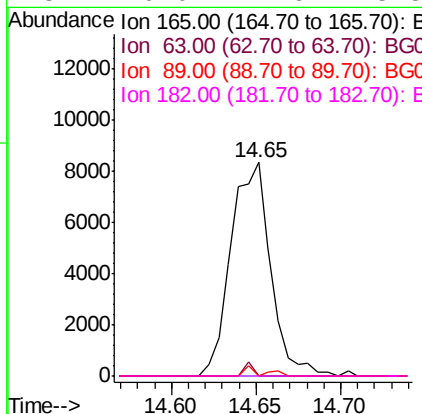
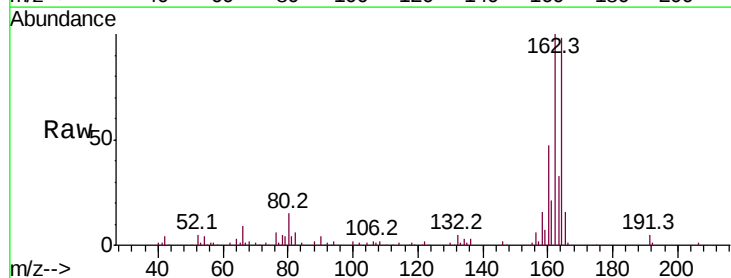
Instrument :
 BNA_G
 ClientSampleId :

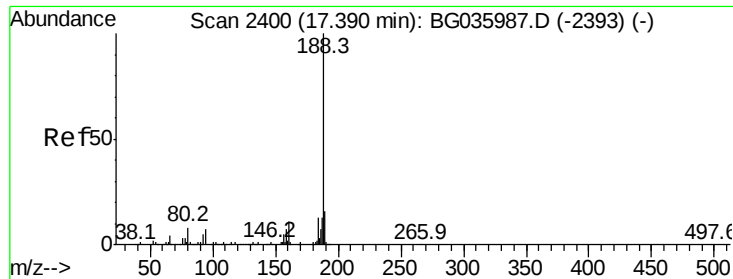
Tot Ion:184 Resp: 86
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.193 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. -0.36 min
 Lab File: BG035999.D
 Acq: 31 Jul 2018 7:15

Tgt Ion:165 Resp: 13600
 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#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BG035999.D

Acq: 31 Jul 2018 7:15

Instrument :

BNA_G

ClientSampleId :

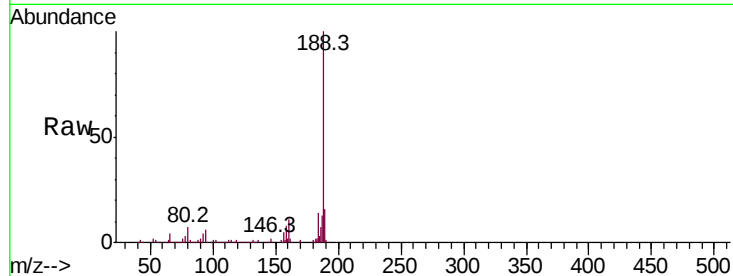
Tot Ion:188 Resp: 276234

Ion Ratio Lower Upper

188 100

94 5.8 6.9 10.3#

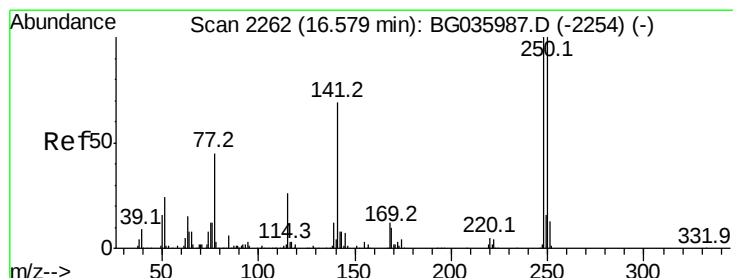
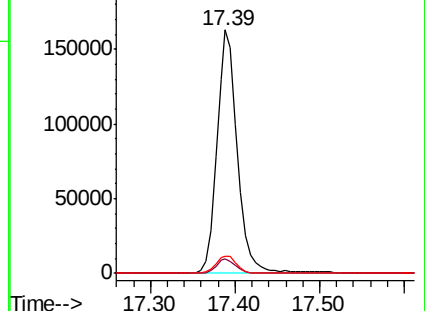
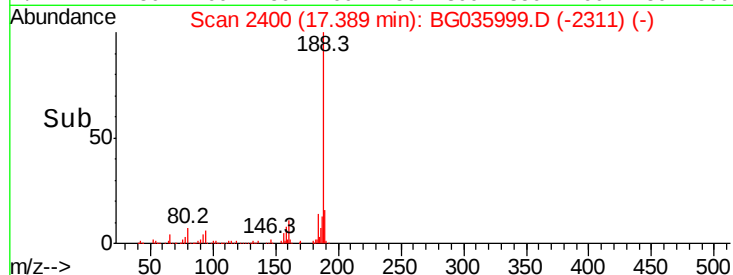
80 7.2 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 3.589 ng

RT: 16.13 min Scan# 2186

Delta R.T. -0.45 min

Lab File: BG035999.D

Acq: 31 Jul 2018 7:15

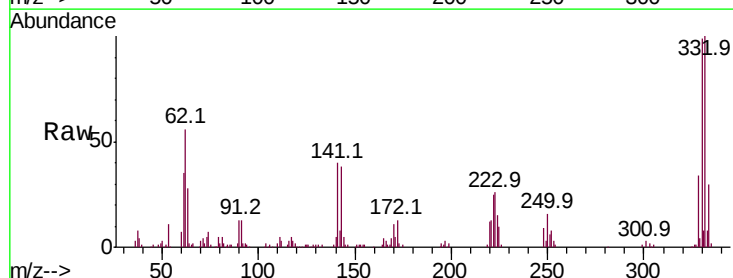
Tgt Ion:248 Resp: 11503

Ion Ratio Lower Upper

248 100

250 177.3 77.1 115.7#

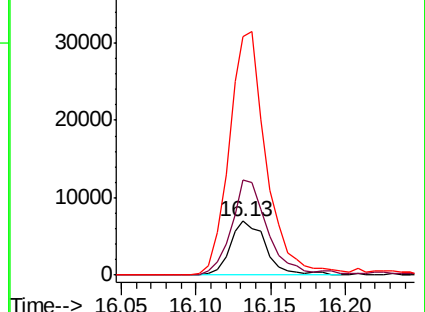
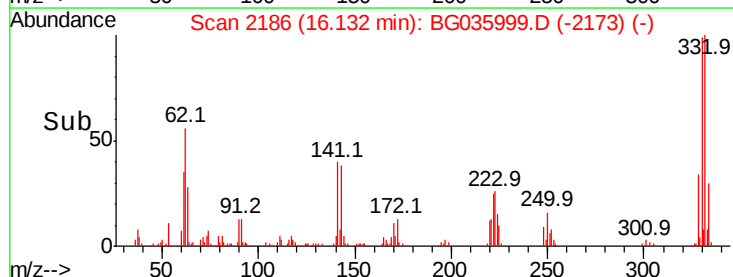
141 442.7 50.8 76.2#

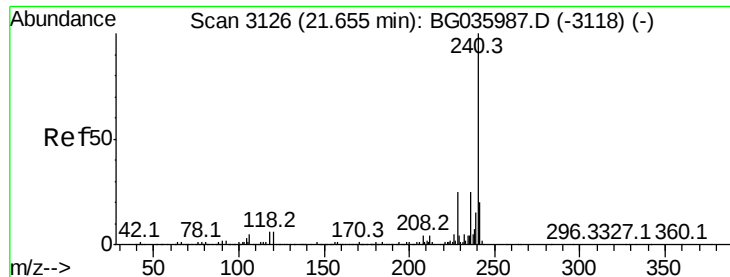


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.65 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BG035999.D

Acq: 31 Jul 2018 7:15

Instrument :

BNA_G

ClientSampleId :

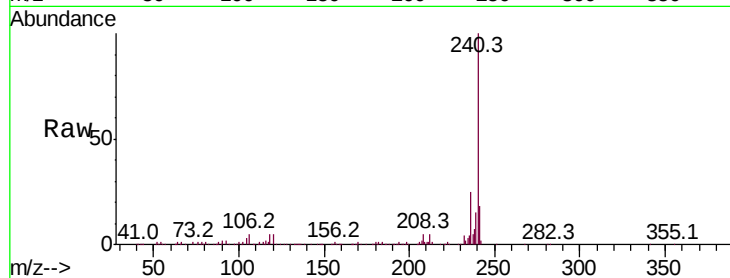
Tot Ion:240 Resp: 287557

Ion Ratio Lower Upper

240 100

120 5.4 6.8 10.2#

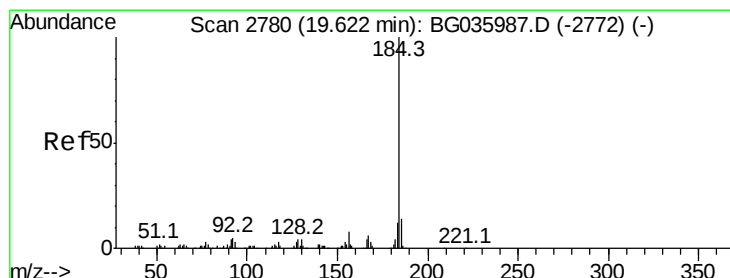
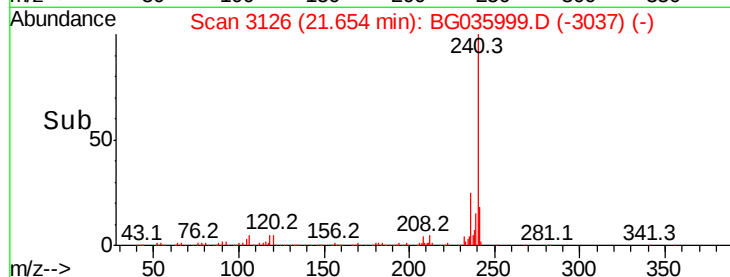
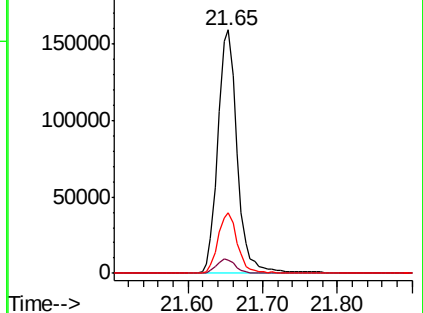
236 25.1 20.9 31.3



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: 2.757 ng

RT: 20.00 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG035999.D

Acq: 31 Jul 2018 7:15

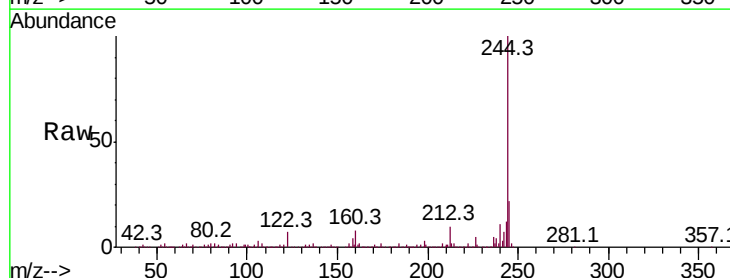
Tgt Ion:184 Resp: 20846

Ion Ratio Lower Upper

184 100

185 15.3 11.1 16.7

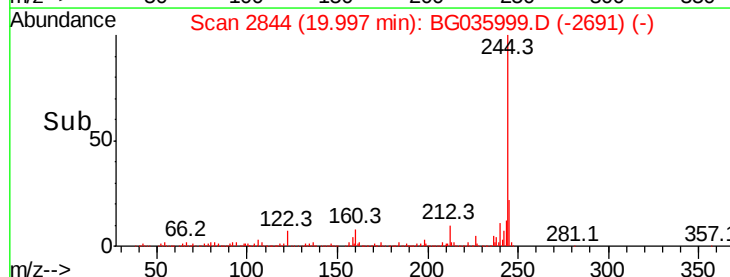
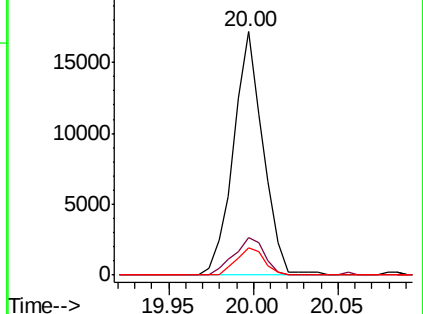
183 11.0 10.6 16.0

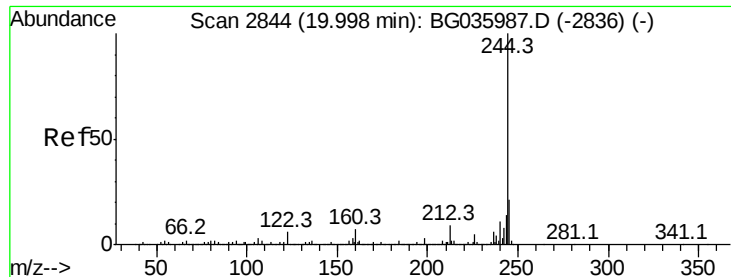


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

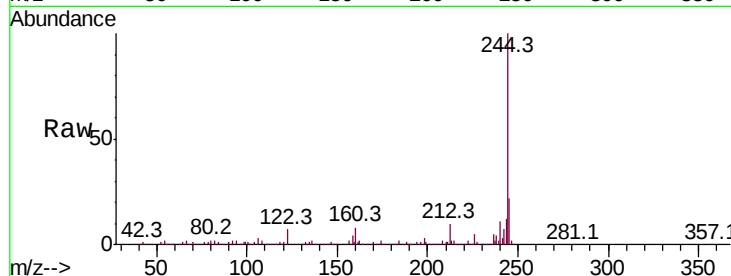




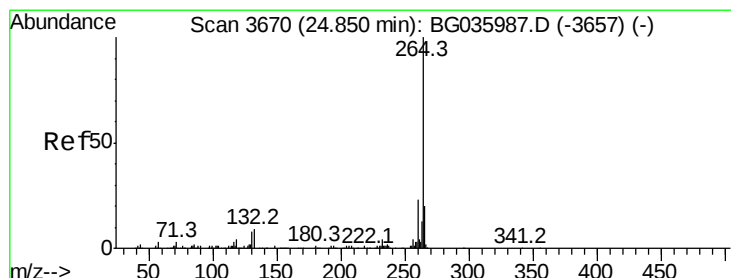
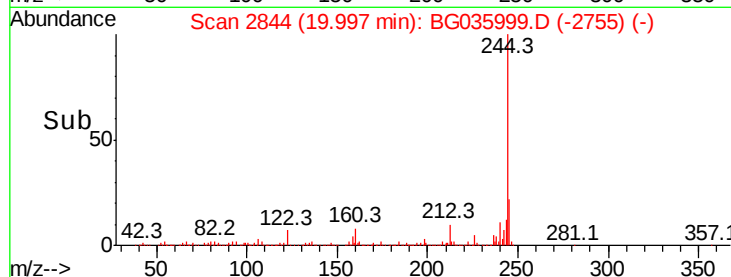
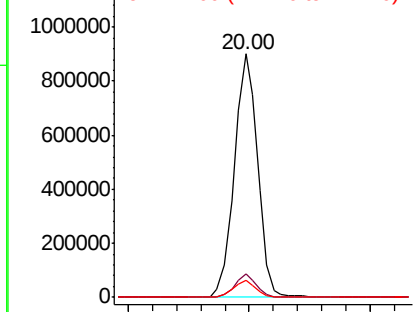
#78
 Terphenyl-d14
 Concen: 93.002 ng
 RT: 20.00 min Scan# 2844
 Delta R.T. -0.01 min
 Lab File: BG035999.D
 Acq: 31 Jul 2018 7:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1213241
 Ion Ratio Lower Upper
 244 100
 212 9.7 5.8 8.8#
 122 6.9 7.0 10.4#

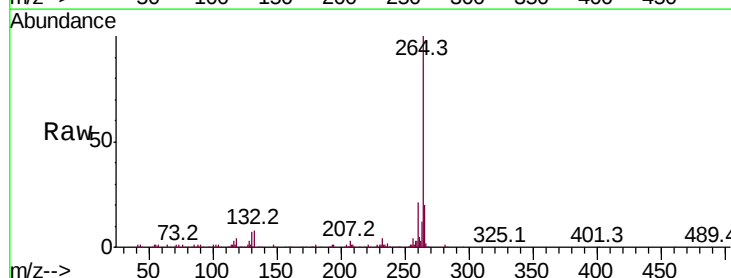


Abundance Ion 244.00 (243.70 to 244.70): E
 1200000 Ion 212.00 (211.70 to 212.70): E
 1000000 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3670
 Delta R.T. -0.01 min
 Lab File: BG035999.D
 Acq: 31 Jul 2018 7:15

Tgt Ion:264 Resp: 269073
 Ion Ratio Lower Upper
 264 100
 260 20.8 17.4 26.0
 265 19.7 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E
 120000 Ion 260.00 (259.70 to 260.70): E
 100000 Ion 265.00 (264.70 to 265.70): E

