

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071218\
 Data File : BG035617.D
 Acq On : 13 Jul 2018 6:15
 Operator : JU/SJ
 Sample : PB111040TB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB111040TB

Quant Time: Jul 13 08:10:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 12 14:43:32 2018
 Response via : Initial Calibration

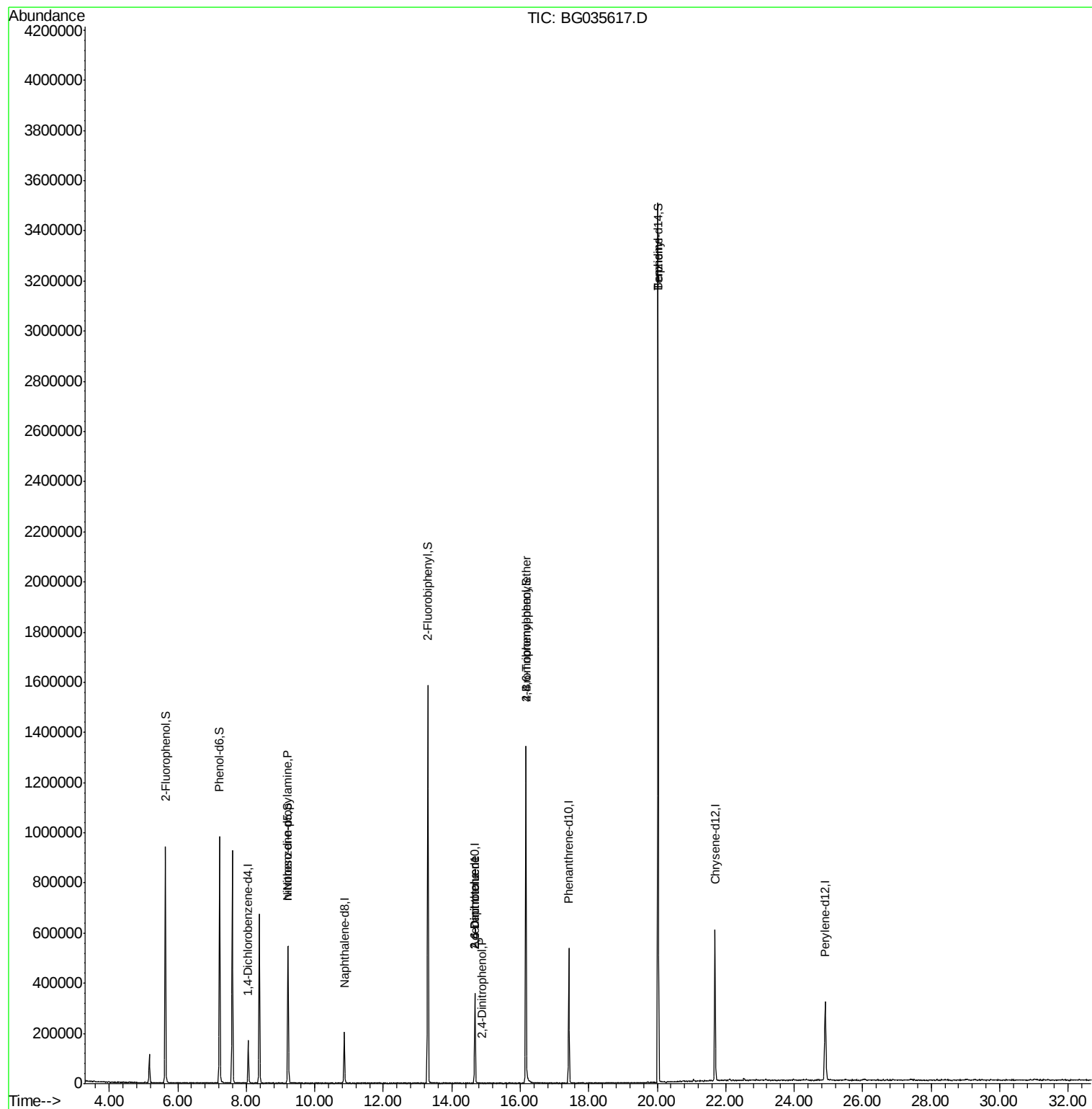
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	44804	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	167205	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	125779	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	355969	20.00	ng	0.00
75) Chrysene-d12	21.69	240	380702	20.00	ng	0.00
86) Perylene-d12	24.91	264	350140	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	393086	145.66	ng	0.00
7) Phenol-d6	7.22	99	566225	140.63	ng	0.00
23) Nitrobenzene-d5	9.21	82	370412	92.54	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	241499	145.67	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	853856	90.95	ng	0.00
78) Terphenyl-d14	20.02	244	1604368	92.89	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	51651	15.234	ng	# 74
50) 2,6-Dinitrotoluene	14.67	165	16614	7.403	ng	# 18
53) 2,4-Dinitrophenol	14.88	184	107	6.667	ng	# 1
56) 2,4-Dinitrotoluene	14.67	165	16614	5.160	ng	# 16
66) 4-Bromophenyl-phenylether	16.16	248	20729	5.019	ng	# 1
76) Benzidine	20.02	184	30559	3.053	ng	# 90

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

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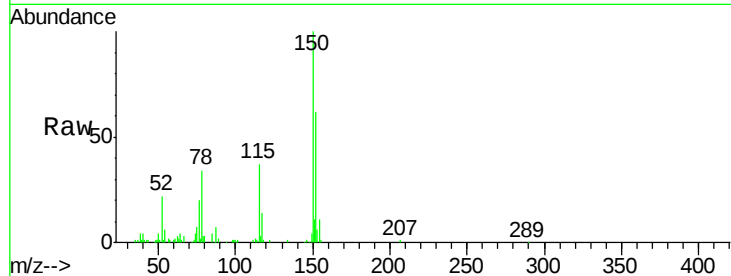


#1

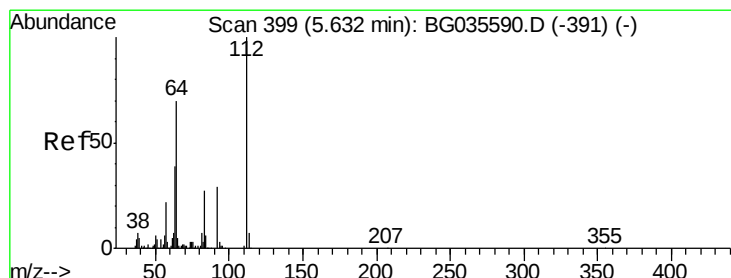
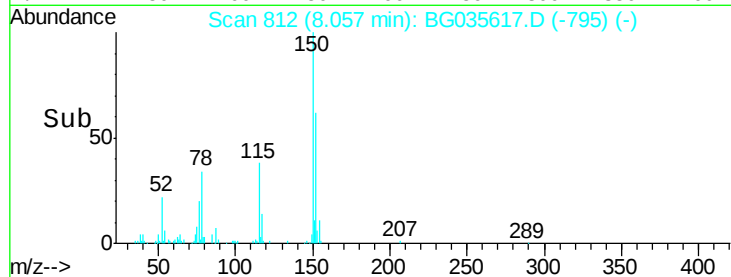
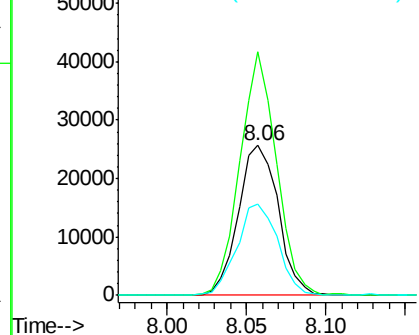
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BG035617.D
 Acq: 13 Jul 2018 6:15

Instrument :
 BNA_G
 ClientSampleId :
 PB111040TB

Tgt Ion:152 Resp: 44804
 Ion Ratio Lower Upper
 152 100
 150 162.6 126.6 189.8
 115 60.7 53.0 79.4



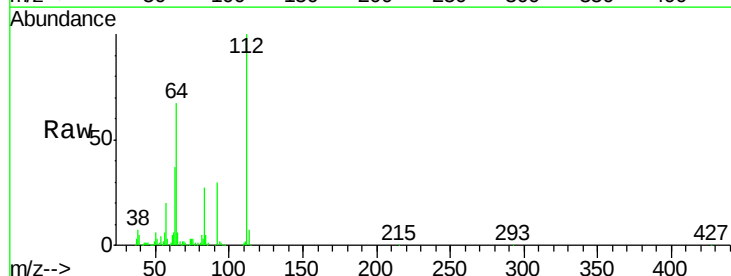
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



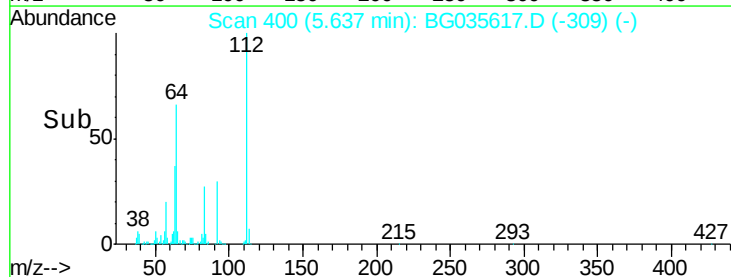
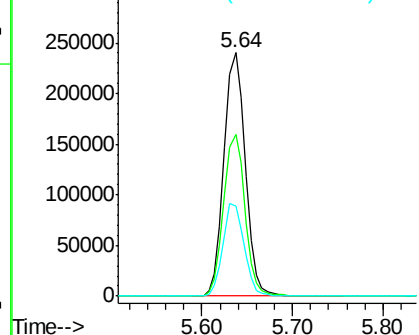
#5

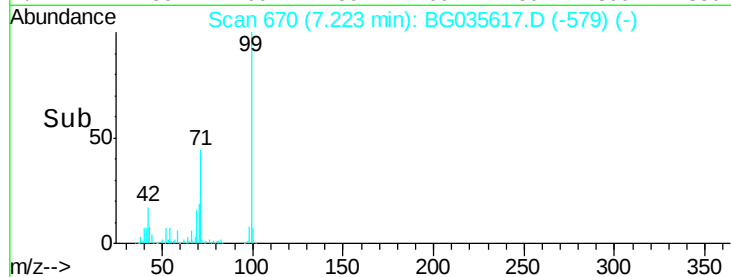
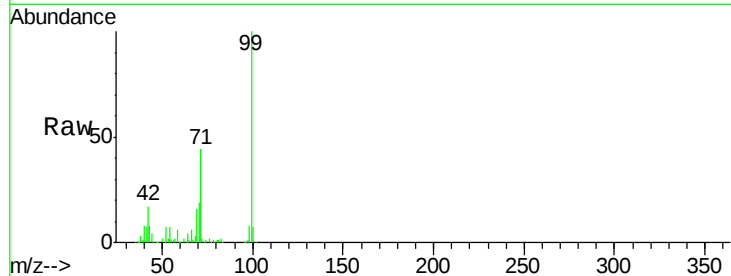
2-Fluorophenol
 Concen: 145.660 ng
 RT: 5.64 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: BG035617.D
 Acq: 13 Jul 2018 6:15

Tgt Ion:112 Resp: 393086
 Ion Ratio Lower Upper
 112 100
 64 66.6 56.3 84.5
 63 37.2 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: 140.629 ng

RT: 7.22 min Scan# 670

Delta R.T. 0.00 min

Lab File: BG035617.D

Acq: 13 Jul 2018 6:15

Instrument :

BNA_G

ClientSampleId :

PB111040TB

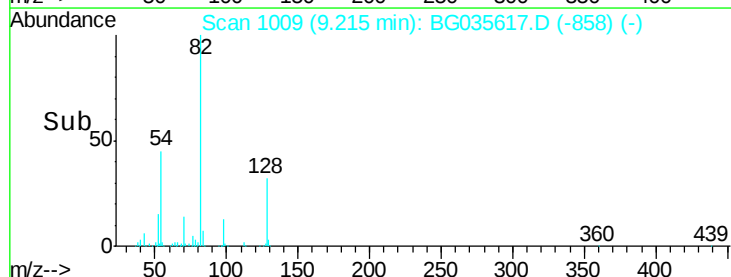
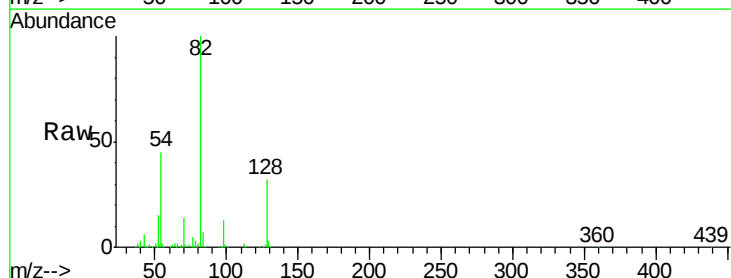
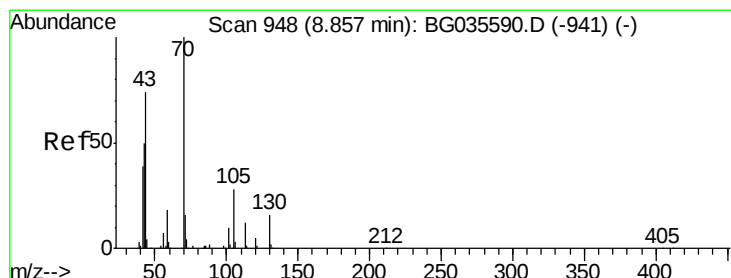
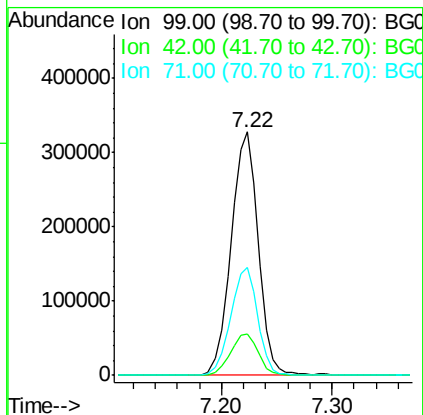
Tgt Ion: 99 Resp: 566225

Ion Ratio Lower Upper

99 100

42 17.2 14.1 21.1

71 44.1 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.234 ng

RT: 9.21 min Scan# 1009

Delta R.T. 0.36 min

Lab File: BG035617.D

Acq: 13 Jul 2018 6:15

Tgt Ion: 70 Resp: 51651

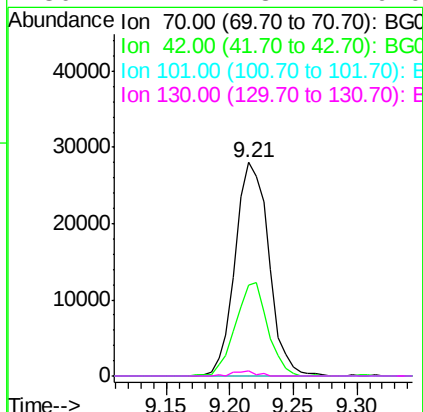
Ion Ratio Lower Upper

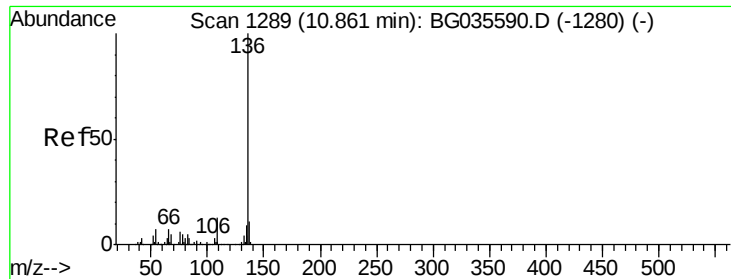
70 100

42 42.8 49.1 73.7#

101 0.0 8.5 12.7#

130 2.7 13.4 20.0#

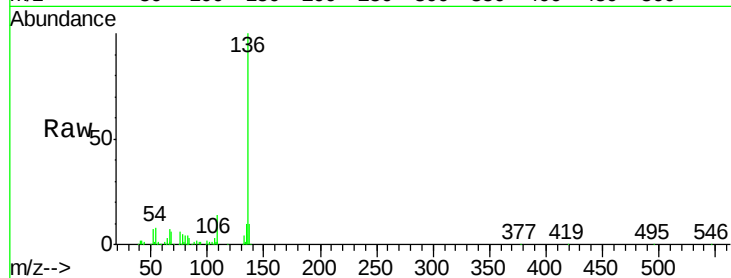




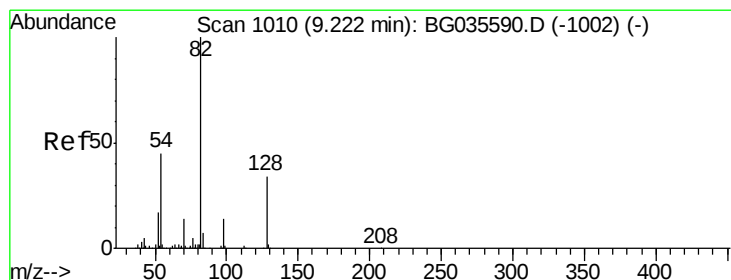
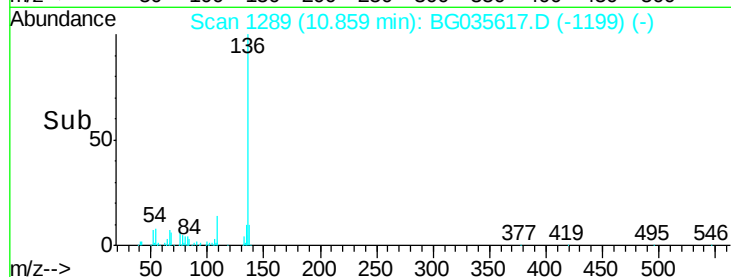
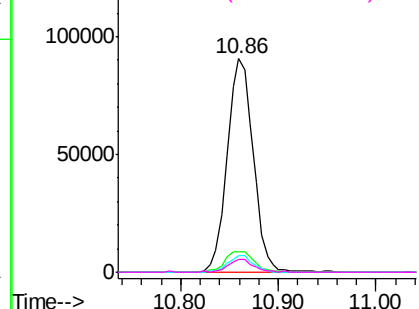
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG035617.D
Acq: 13 Jul 2018 6:15

Instrument :
BNA_G
ClientSampleId :
PB111040TB

Tgt Ion:	136	Resp:	167205
Ion	Ratio	Lower	Upper
136	100		
137	9.9	9.2	13.8
54	7.7	10.3	15.5#
68	5.8	4.5	6.7

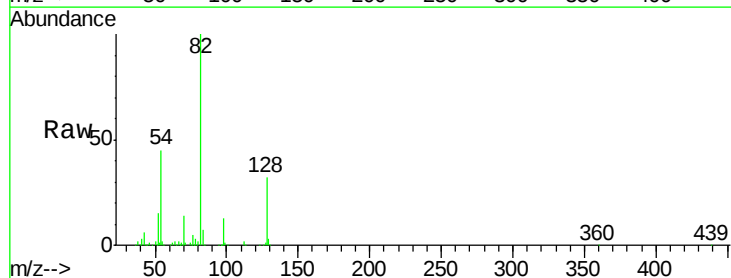


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

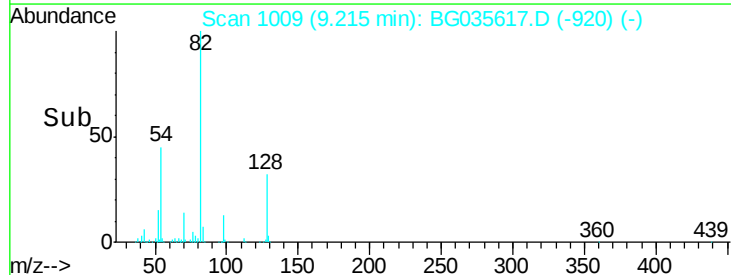
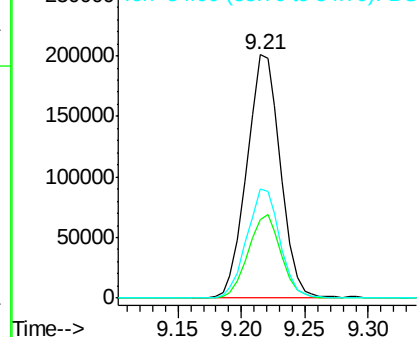


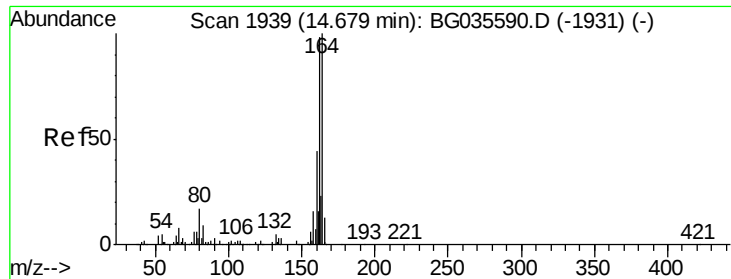
#23
Nitrobenzene-d5
Concen: 92.544 ng
RT: 9.21 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BG035617.D
Acq: 13 Jul 2018 6:15

Tgt Ion:	82	Resp:	370412
Ion	Ratio	Lower	Upper
82	100		
128	32.1	29.7	44.5
54	44.7	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. -0.00 min

Lab File: BG035617.D

Acq: 13 Jul 2018 6:15

Instrument :

BNA_G

ClientSampleId :

PB111040TB

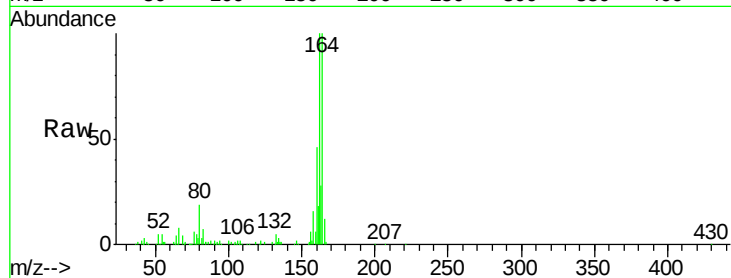
Tgt Ion:164 Resp: 125779

Ion Ratio Lower Upper

164 100

162 99.8 78.8 118.2

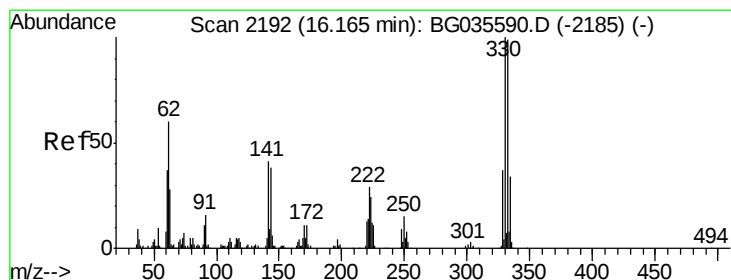
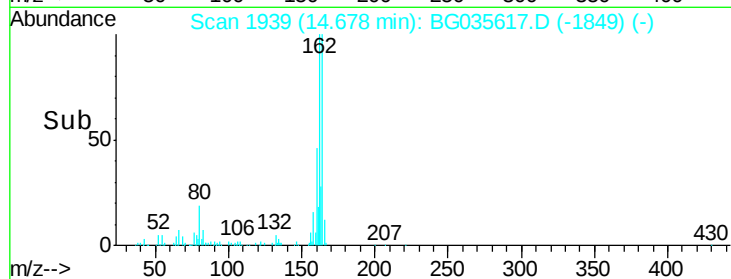
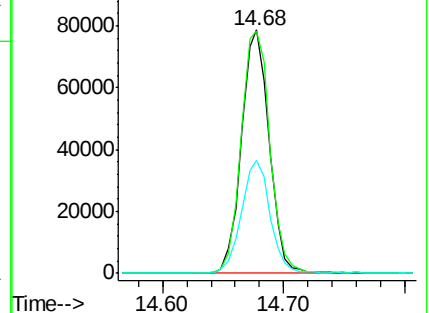
160 46.3 35.4 53.0



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: 145.670 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG035617.D

Acq: 13 Jul 2018 6:15

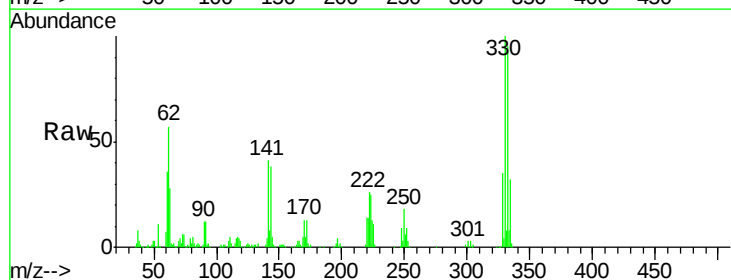
Tgt Ion:330 Resp: 241499

Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

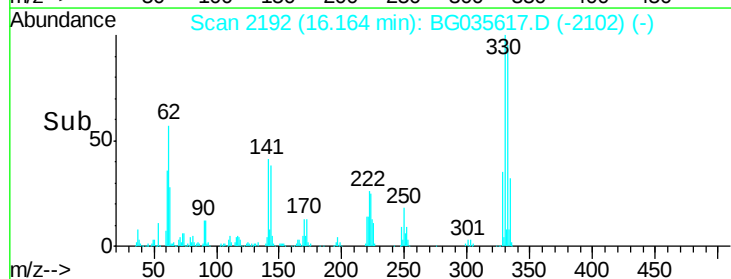
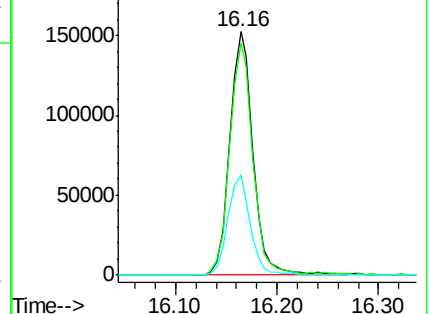
141 40.0 25.2 37.8#

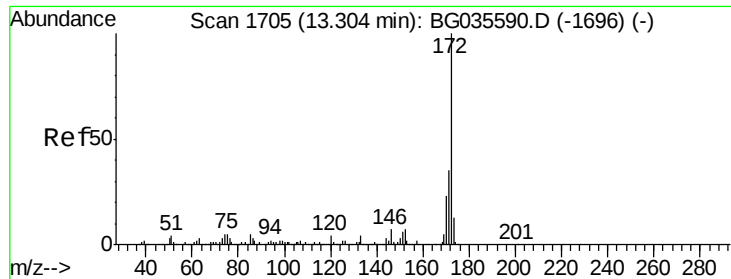


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

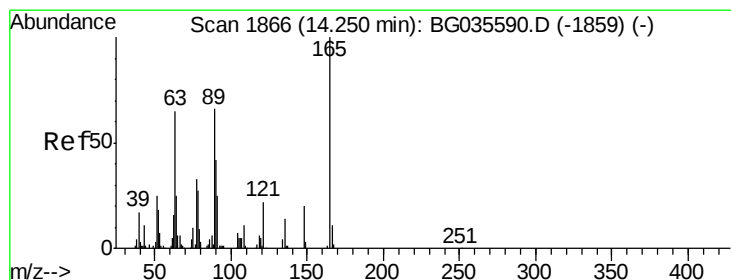
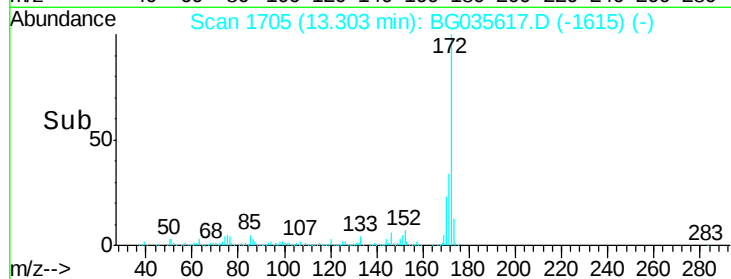
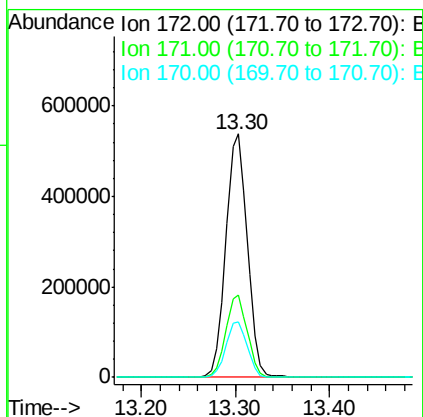
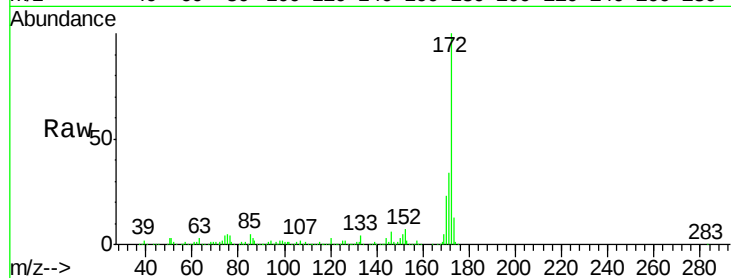




#44
 2-Fluorobiphenyl
 Concen: 90.949 ng
 RT: 13.30 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: BG035617.D
 Acq: 13 Jul 2018 6:15

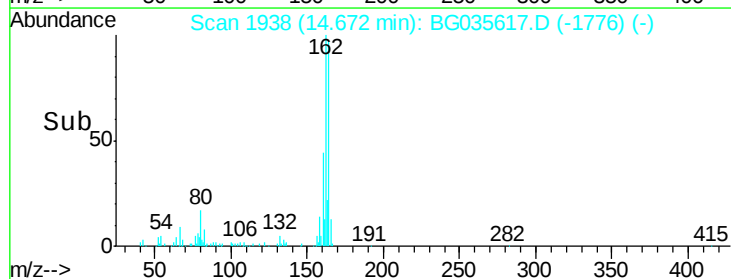
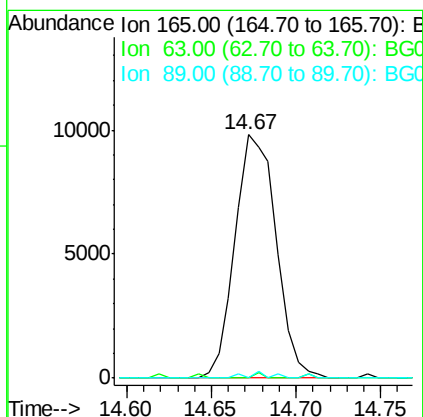
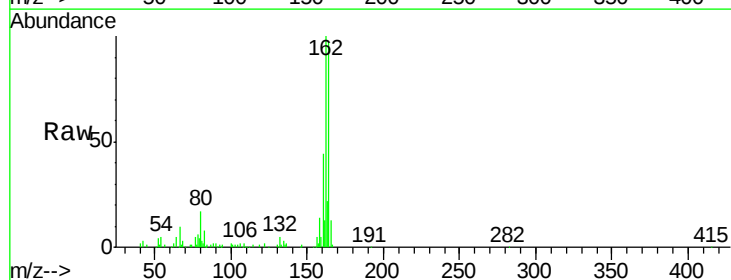
Instrument :
 BNA_G
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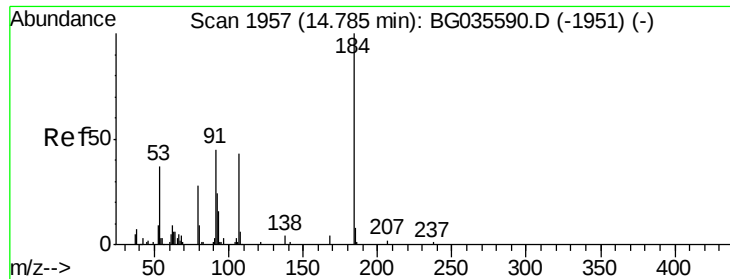
Tgt Ion:172 Resp: 853856
 Ion Ratio Lower Upper
 172 100
 171 33.9 30.0 45.0
 170 22.9 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.403 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.42 min
 Lab File: BG035617.D
 Acq: 13 Jul 2018 6:15

Tgt Ion:165 Resp: 16614
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

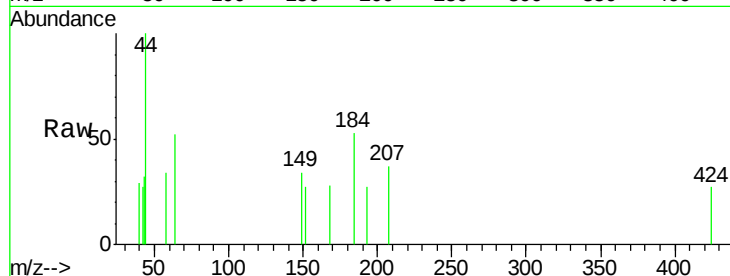




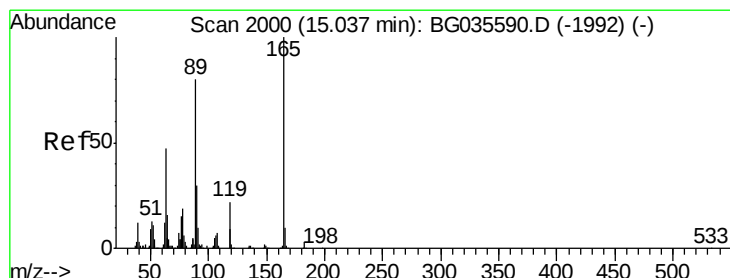
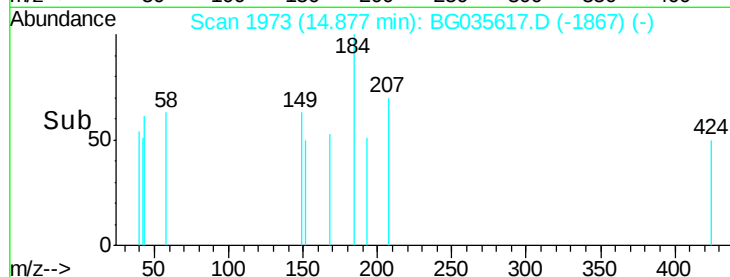
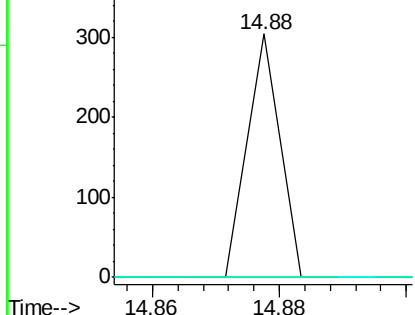
#53
 2,4-Dinitrophenol
 Concen: 6.667 ng
 RT: 14.88 min Scan# 1973
 Delta R.T. 0.09 min
 Lab File: BG035617.D
 Acq: 13 Jul 2018 6:15

Instrument :
 BNA_G
 ClientSampleId :
 PB111040TB

Tgt Ion:184 Resp: 107
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#

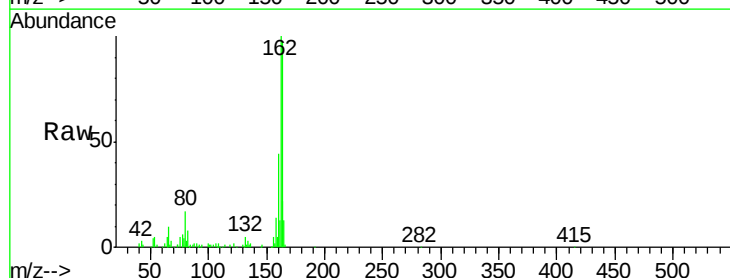


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

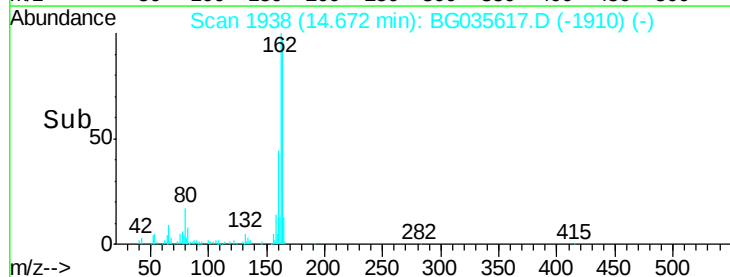
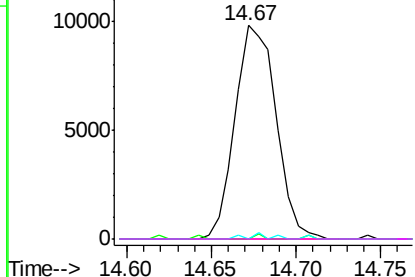


#56
 2,4-Dinitrotoluene
 Concen: 5.160 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.37 min
 Lab File: BG035617.D
 Acq: 13 Jul 2018 6:15

Tgt Ion:165 Resp: 16614
 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: 17.42 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BG035617.D

Acq: 13 Jul 2018 6:15

Instrument :

BNA_G

ClientSampleId :

PB111040TB

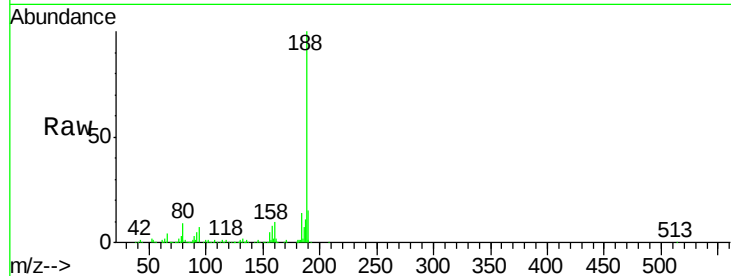
Tgt Ion:188 Resp: 355969

Ion Ratio Lower Upper

188 100

94 6.8 6.9 10.3#

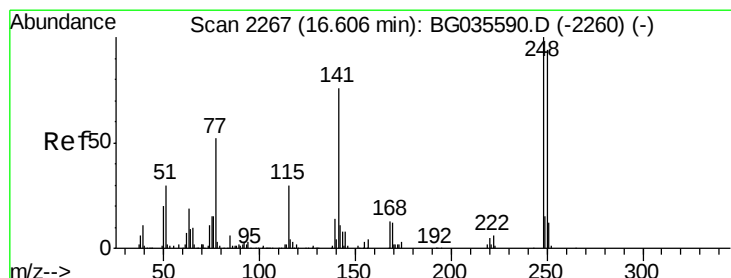
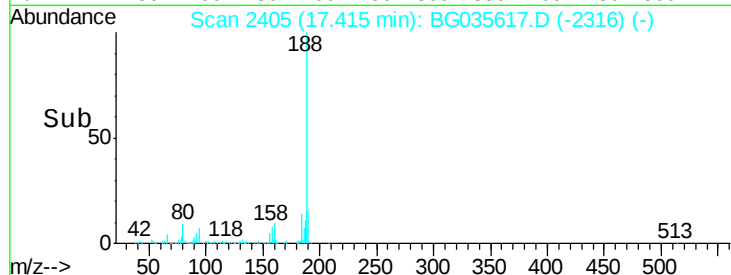
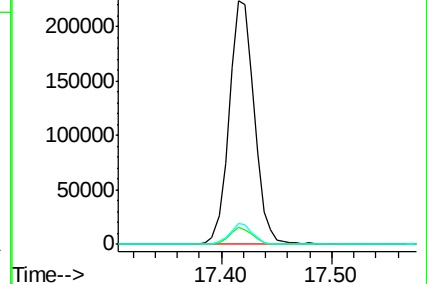
80 8.8 7.7 11.5



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: 5.019 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.44 min

Lab File: BG035617.D

Acq: 13 Jul 2018 6:15

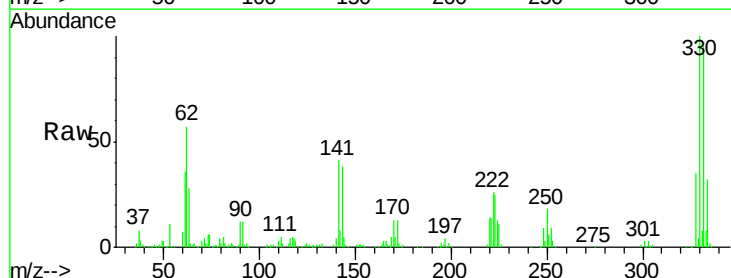
Tgt Ion:248 Resp: 20729

Ion Ratio Lower Upper

248 100

250 193.0 77.1 115.7#

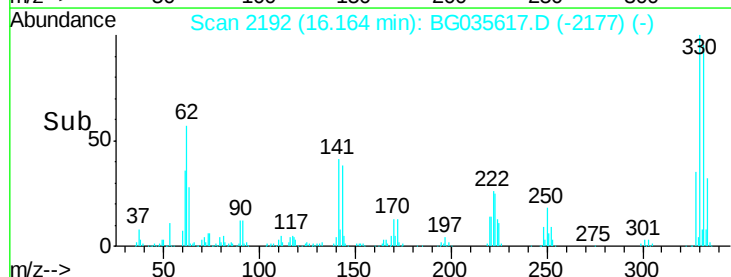
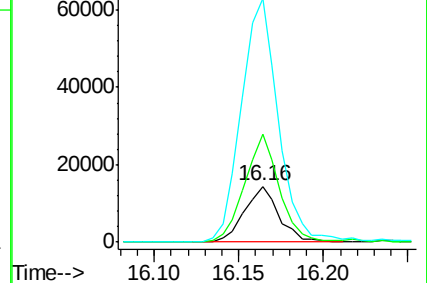
141 437.5 50.8 76.2#

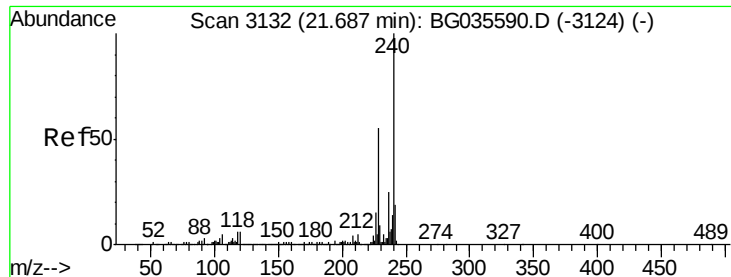


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

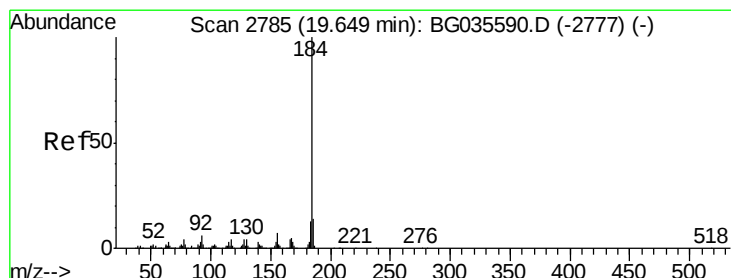
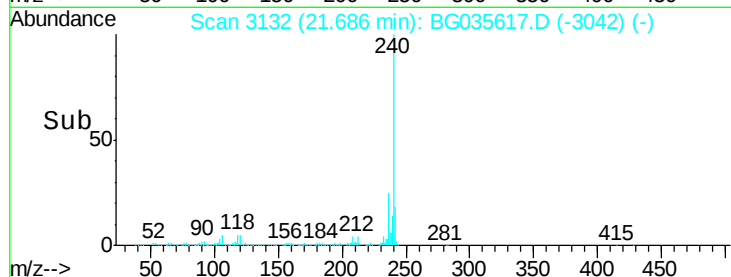
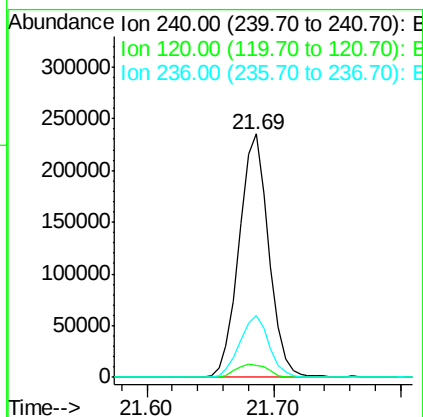
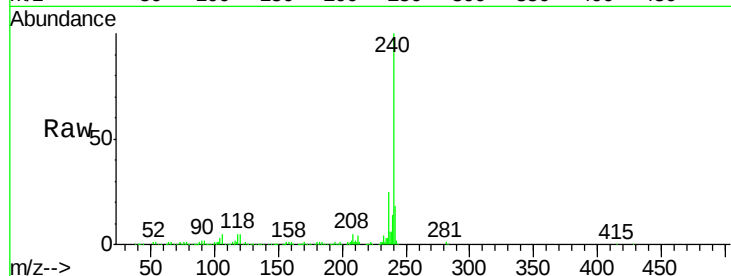




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3132
Delta R.T. -0.00 min
Lab File: BG035617.D
Acq: 13 Jul 2018 6:15

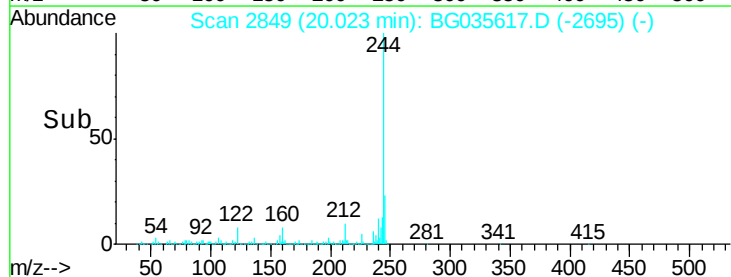
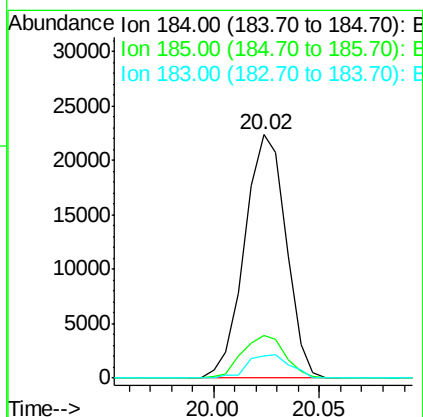
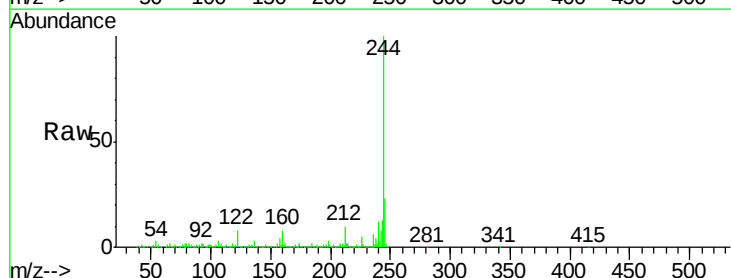
Instrument :
BNA_G
ClientSampleId :
PB111040TB

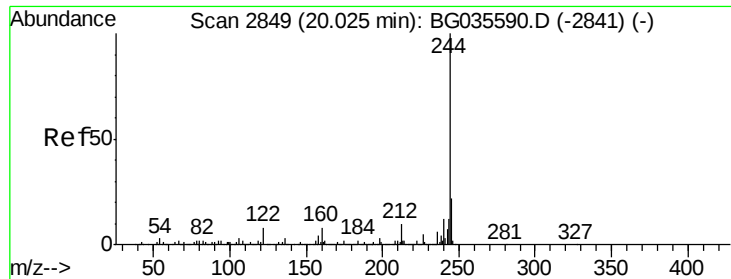
Tgt Ion:240 Resp: 380702
Ion Ratio Lower Upper
240 100
120 4.9 6.8 10.2#
236 25.4 20.9 31.3



#76
Benzidine
Concen: 3.053 ng
RT: 20.02 min Scan# 2849
Delta R.T. 0.37 min
Lab File: BG035617.D
Acq: 13 Jul 2018 6:15

Tgt Ion:184 Resp: 30559
Ion Ratio Lower Upper
184 100
185 17.5 11.1 16.7#
183 9.0 10.6 16.0#





#78

Terphenyl-d14

Concen: 92.894 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG035617.D

Acq: 13 Jul 2018 6:15

Instrument :

BNA_G

ClientSampleId :

PB111040TB

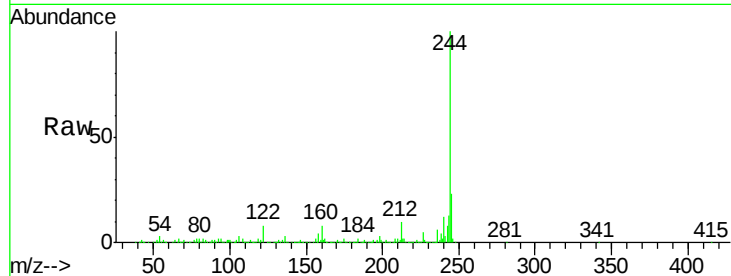
Tgt Ion:244 Resp: 1604368

Ion Ratio Lower Upper

244 100

212 9.9 5.8 8.8#

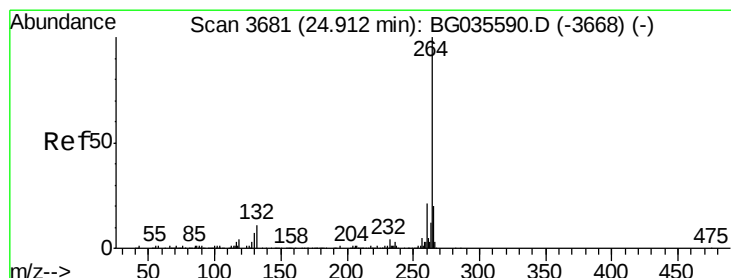
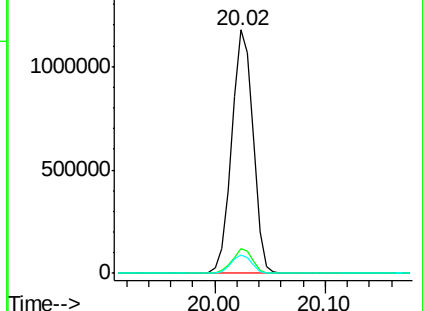
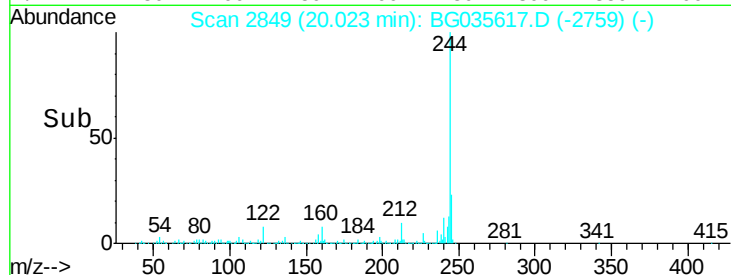
122 7.6 7.0 10.4



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: 24.91 min Scan# 3680

Delta R.T. -0.01 min

Lab File: BG035617.D

Acq: 13 Jul 2018 6:15

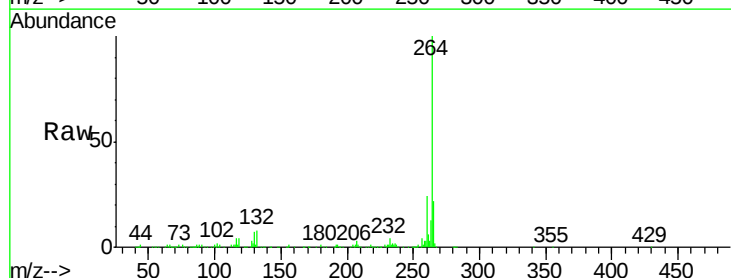
Tgt Ion:264 Resp: 350140

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.0

265 22.3 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

