

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071318\
 Data File : BG035645.D
 Acq On : 14 Jul 2018 1:16
 Operator : JU/SJ
 Sample : J3980-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-E-MH-D

Quant Time: Jul 14 04:01:08 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

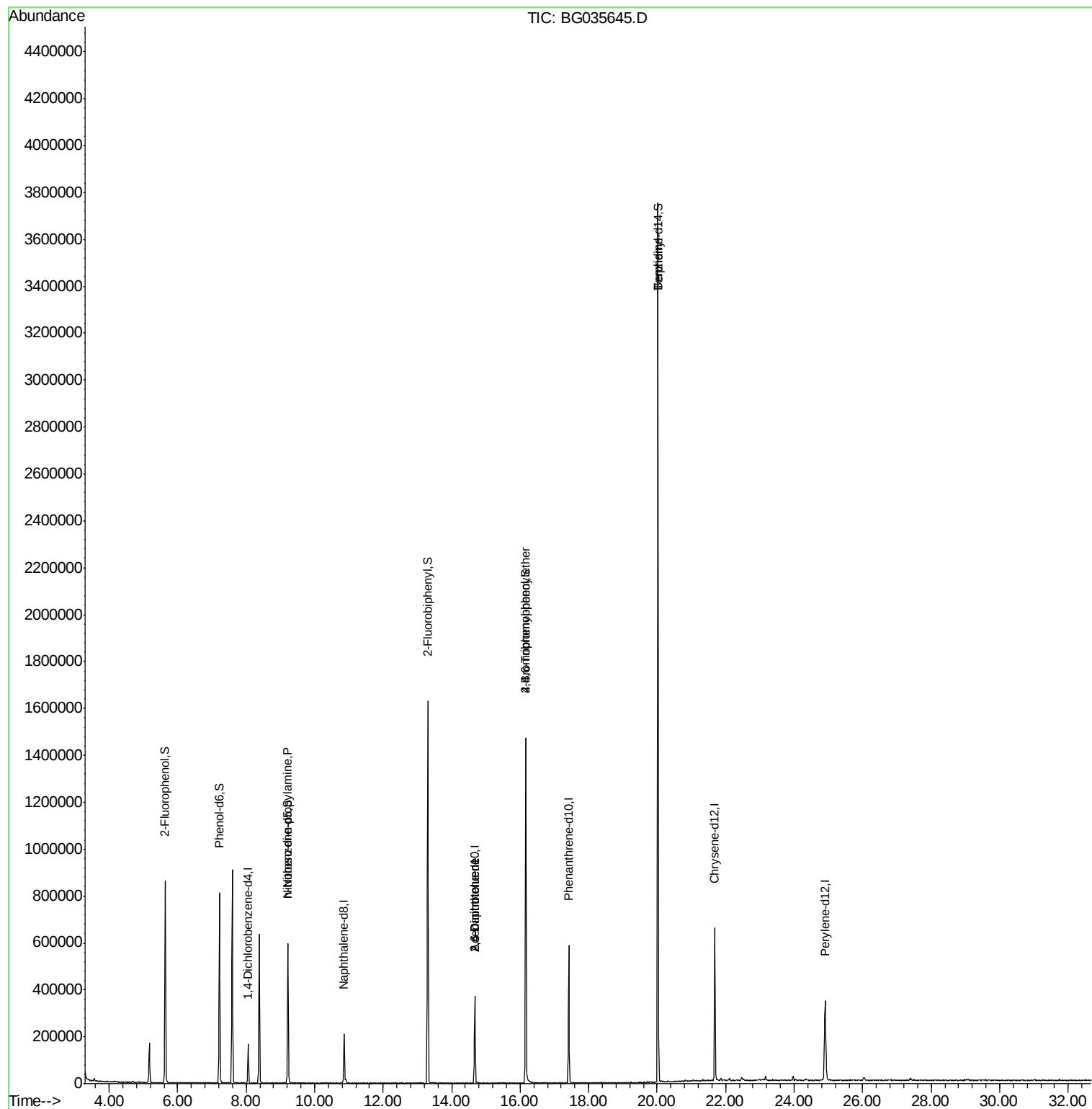
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	45270	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	177559	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	128137	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	371406	20.00	ng	0.00
75) Chrysene-d12	21.68	240	402839	20.00	ng	0.00
86) Perylene-d12	24.90	264	377277	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	356697	130.82	ng	0.00
7) Phenol-d6	7.22	99	470315	115.61	ng	0.00
23) Nitrobenzene-d5	9.22	82	386657	90.97	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	260697	154.36	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	844285	88.27	ng	0.00
78) Terphenyl-d14	20.03	244	1722255	94.24	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	54098	15.791	ng	# 69
50) 2,6-Dinitrotoluene	14.67	165	19648	8.594	ng	# 18
56) 2,4-Dinitrotoluene	14.67	165	19648	5.991	ng	# 16
66) 4-Bromophenyl-phenylether	16.16	248	21955	5.095	ng	# 1
76) Benzidine	20.03	184	32042	3.025	ng	# 90

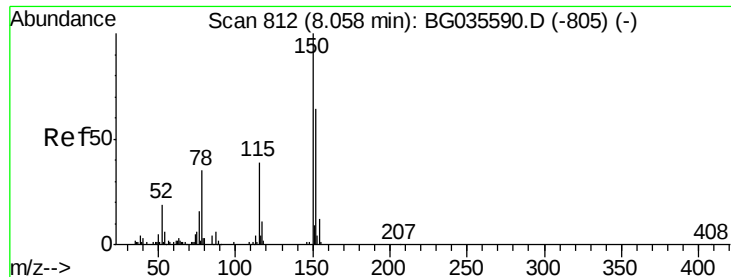
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 12 14:43:32 2018
Response via : Initial Calibration



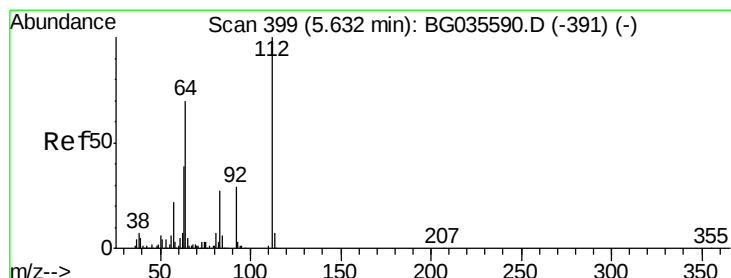
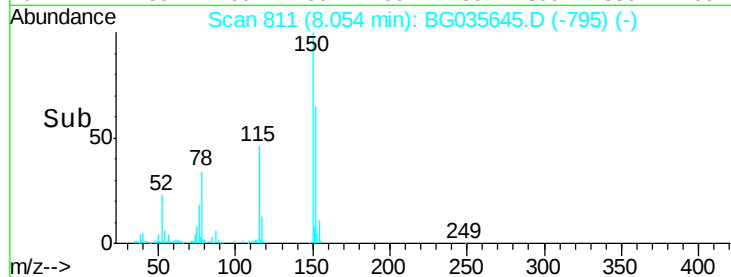
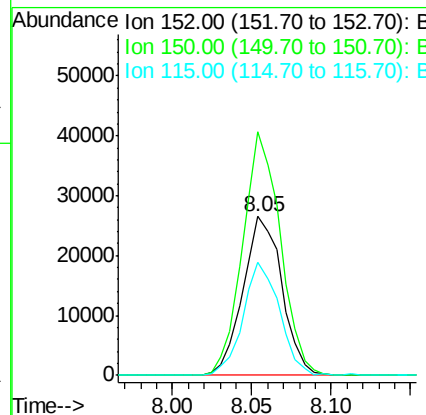
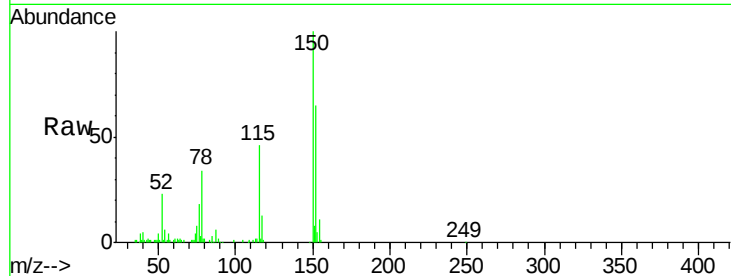


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.00 min
Lab File: BG035645.D
Acq: 14 Jul 2018 1:16

Instrument :
BNA_G
ClientSampleId :
TP-E-MH-D

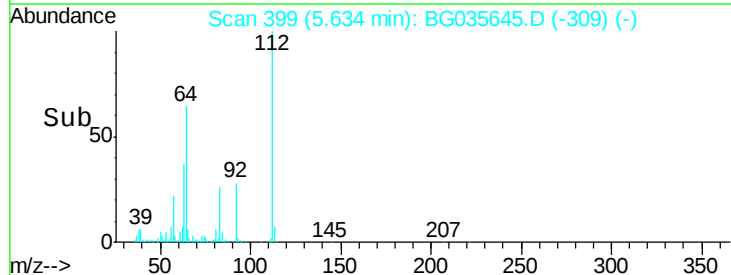
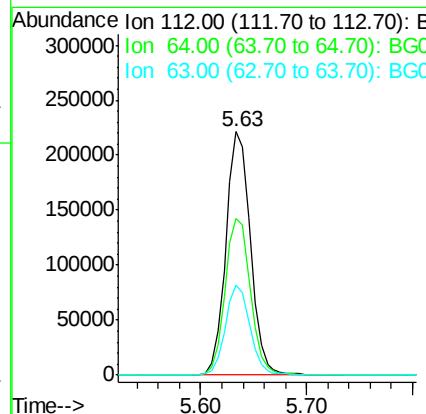
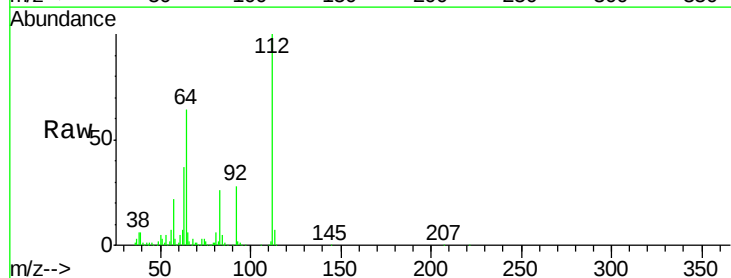
Tgt Ion:152 Resp: 45270
Ion Ratio Lower Upper
152 100
150 153.2 126.6 189.8
115 71.0 53.0 79.4

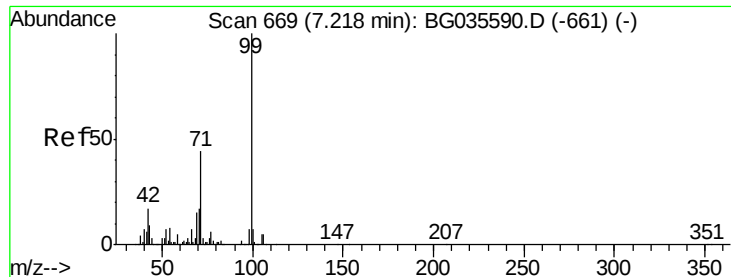


#5

2-Fluorophenol
Concen: 130.815 ng
RT: 5.63 min Scan# 399
Delta R.T. 0.00 min
Lab File: BG035645.D
Acq: 14 Jul 2018 1:16

Tgt Ion:112 Resp: 356697
Ion Ratio Lower Upper
112 100
64 64.4 56.3 84.5
63 37.2 30.1 45.1





#7

Phenol-d6

Concen: 115.607 ng

RT: 7.22 min Scan# 669

Delta R.T. 0.00 min

Lab File: BG035645.D

Acq: 14 Jul 2018 1:16

Instrument :

BNA_G

ClientSampleId :

TP-E-MH-D

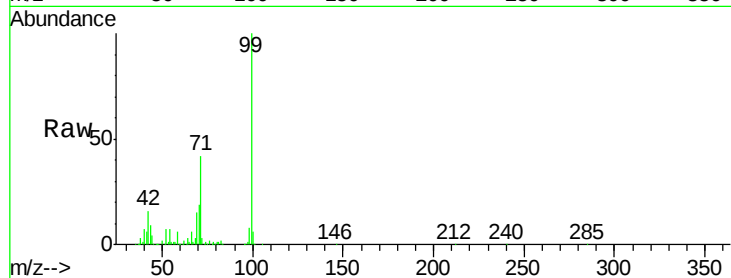
Tgt Ion: 99 Resp: 470315

Ion Ratio Lower Upper

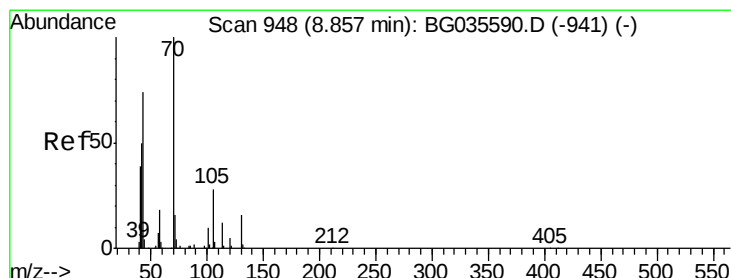
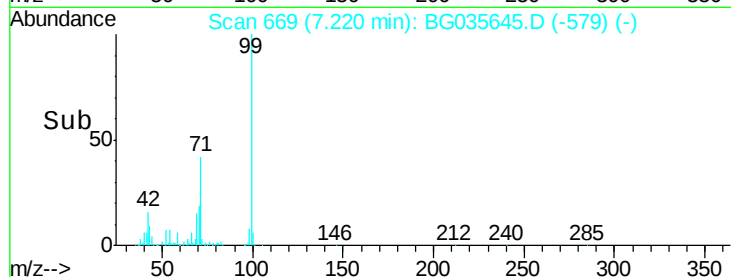
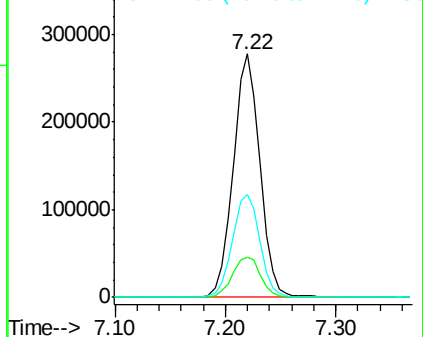
99 100

42 16.5 14.1 21.1

71 42.2 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: 15.791 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.36 min

Lab File: BG035645.D

Acq: 14 Jul 2018 1:16

Tgt Ion: 70 Resp: 54098

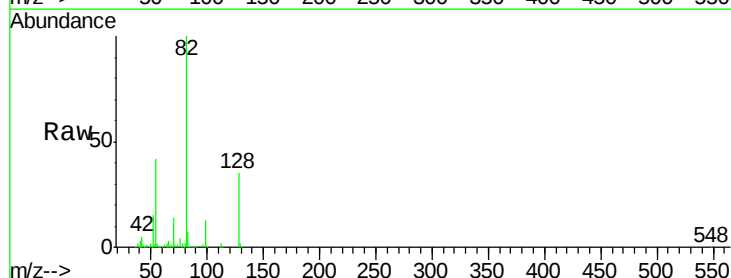
Ion Ratio Lower Upper

70 100

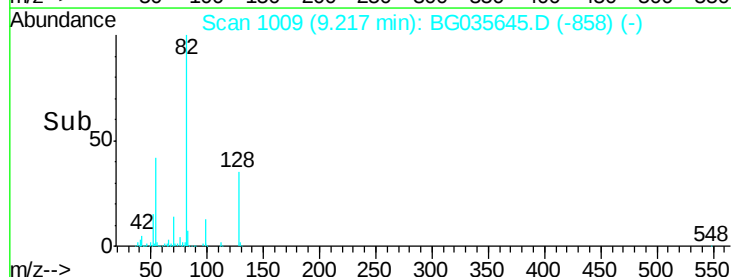
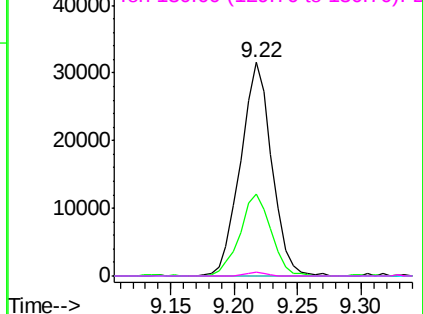
42 38.4 49.1 73.7#

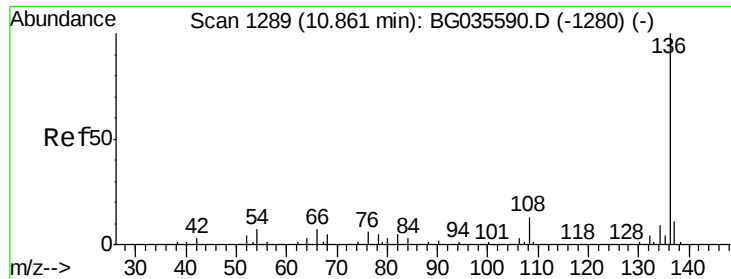
101 0.0 8.5 12.7#

130 1.6 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

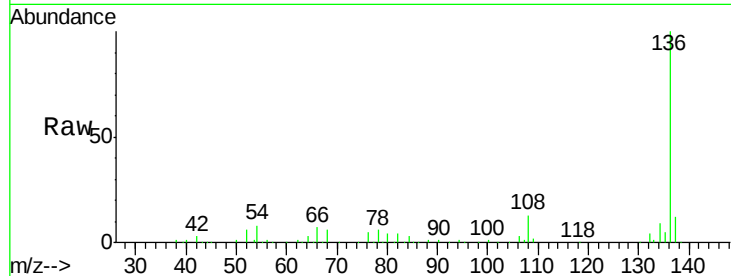




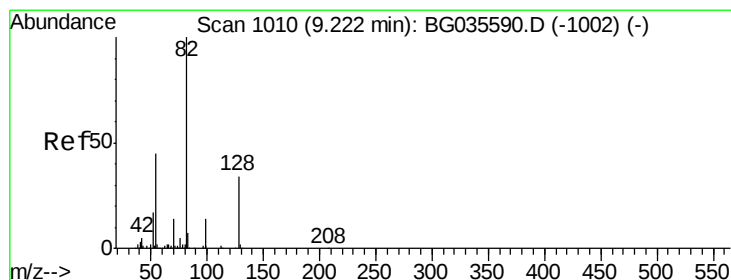
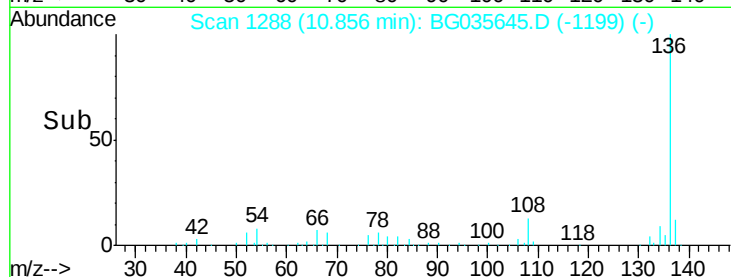
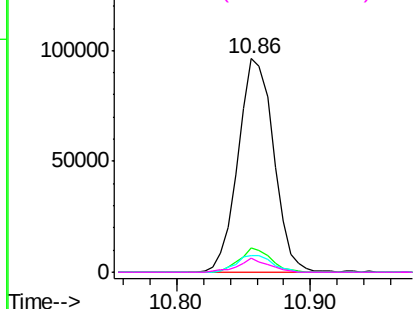
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.00 min
Lab File: BG035645.D
Acq: 14 Jul 2018 1:16

Instrument :
BNA_G
ClientSampleId :
TP-E-MH-D

Tgt Ion:	136	Resp:	177559
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	8.0	10.3	15.5
68	6.3	4.5	6.7

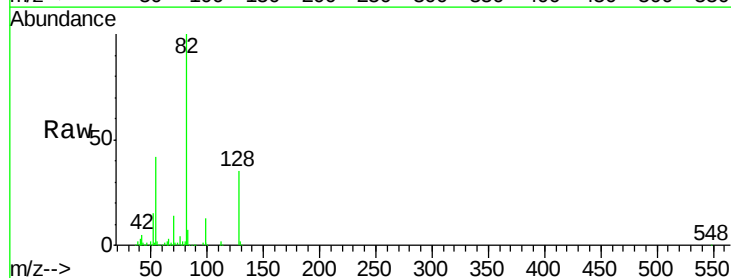


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

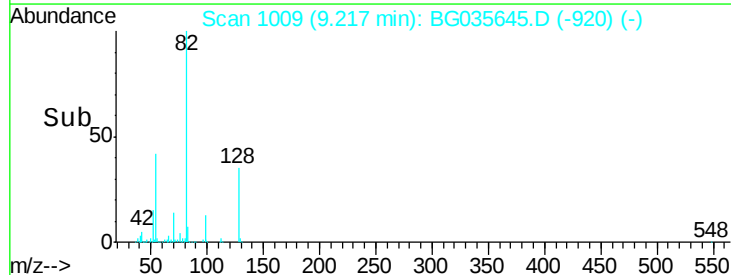
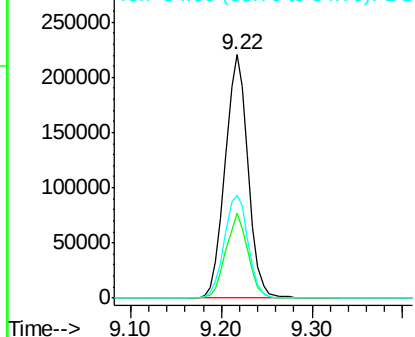


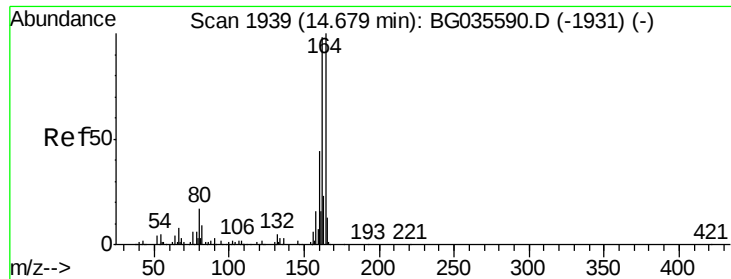
#23
Nitrobenzene-d5
Concen: 90.970 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BG035645.D
Acq: 14 Jul 2018 1:16

Tgt Ion:	82	Resp:	386657
Ion	Ratio	Lower	Upper
82	100		
128	34.8	29.7	44.5
54	42.4	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. -0.00 min

Lab File: BG035645.D

Acq: 14 Jul 2018 1:16

Instrument :

BNA_G

ClientSampleId :

TP-E-MH-D

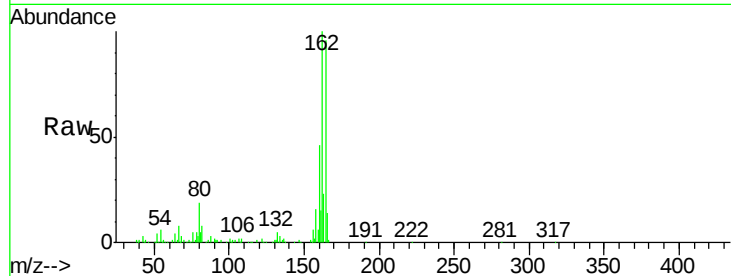
Tgt Ion:164 Resp: 128137

Ion Ratio Lower Upper

164 100

162 104.3 78.8 118.2

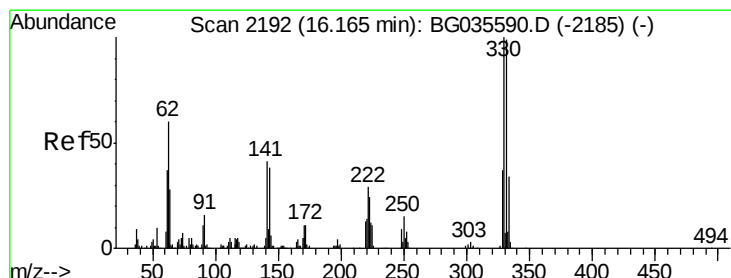
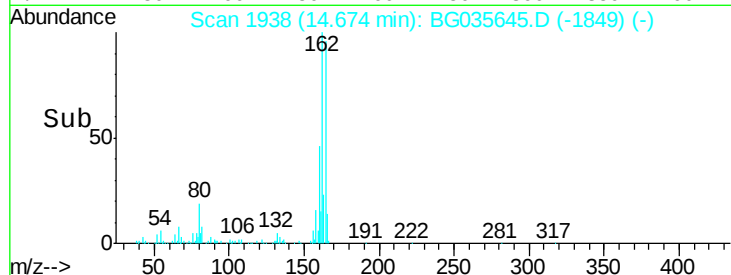
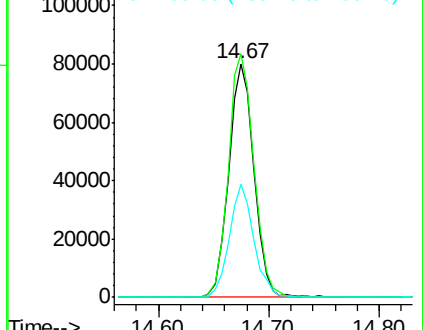
160 48.4 35.4 53.0



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: 154.356 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BG035645.D

Acq: 14 Jul 2018 1:16

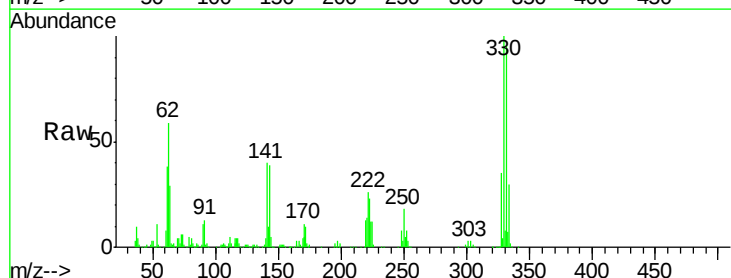
Tgt Ion:330 Resp: 260697

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

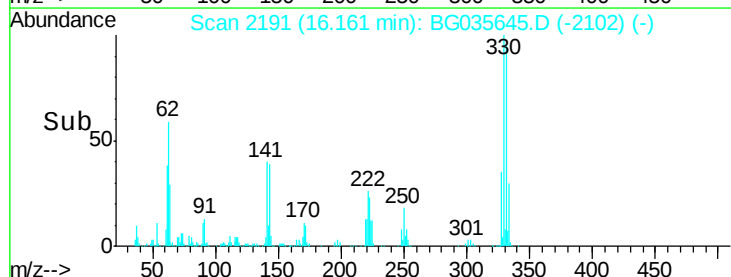
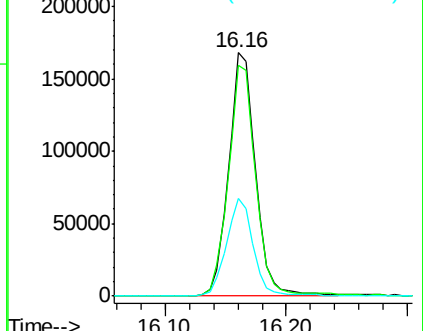
141 40.0 25.2 37.8#

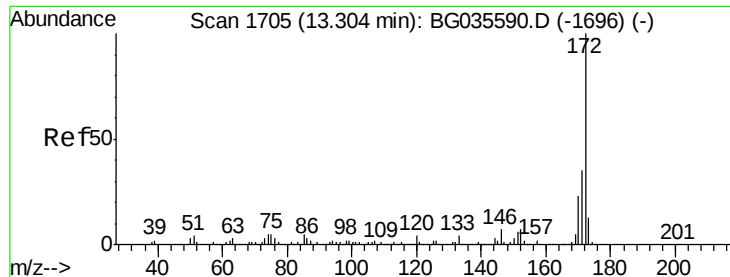


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

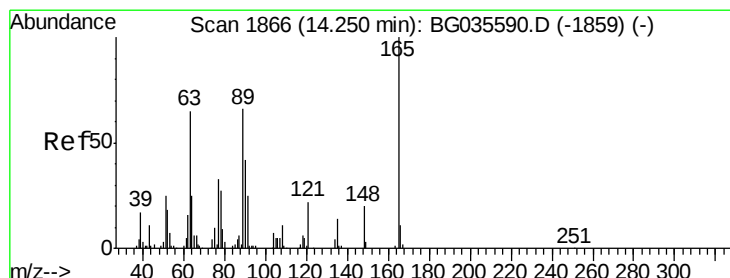
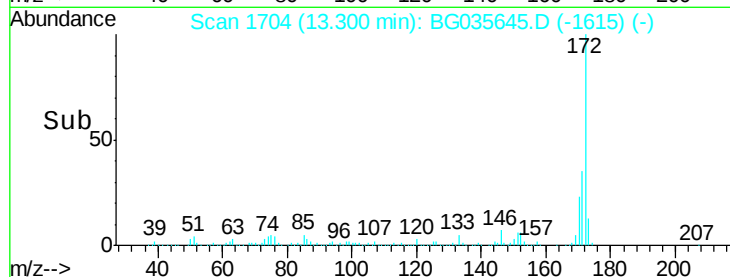
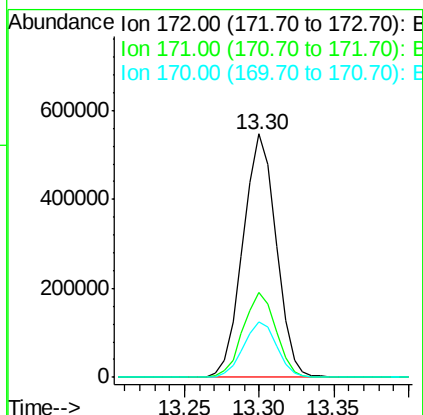
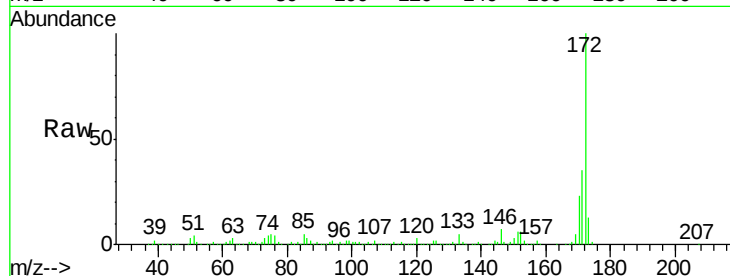




#44
2-Fluorobiphenyl
Concen: 88.275 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.00 min
Lab File: BG035645.D
Acq: 14 Jul 2018 1:16

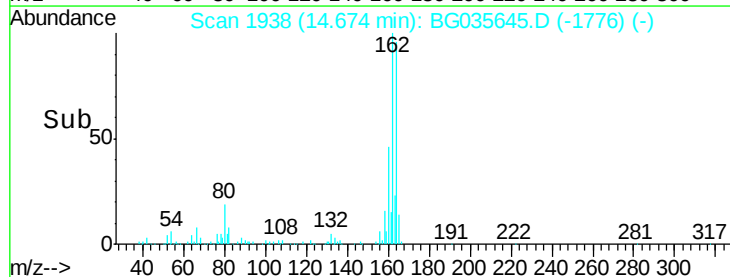
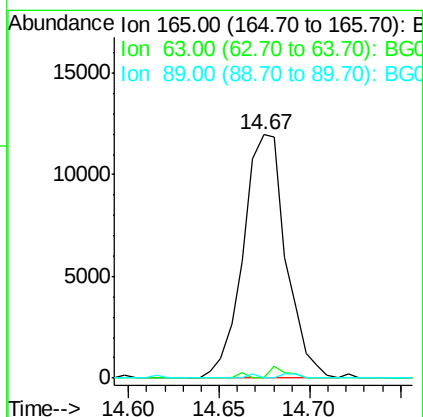
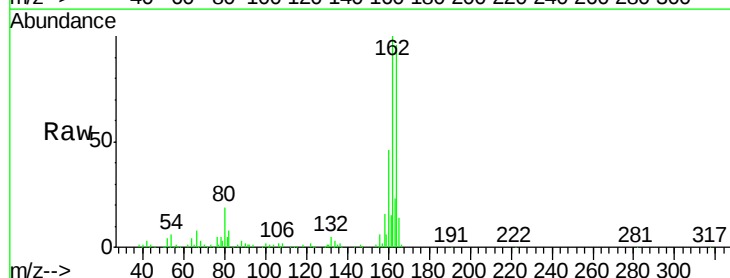
Instrument :
BNA_G
ClientSampleId :
TP-E-MH-D

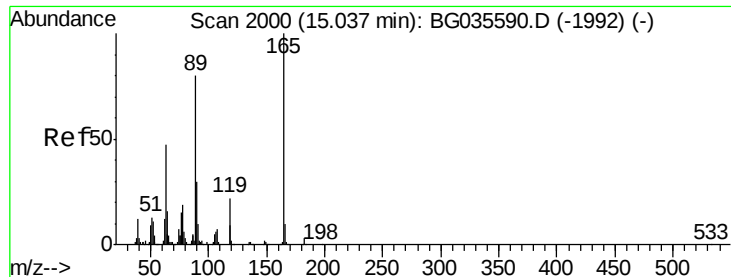
Tgt Ion:172 Resp: 844285
Ion Ratio Lower Upper
172 100
171 35.0 30.0 45.0
170 22.6 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 8.594 ng
RT: 14.67 min Scan# 1938
Delta R.T. 0.42 min
Lab File: BG035645.D
Acq: 14 Jul 2018 1:16

Tgt Ion:165 Resp: 19648
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

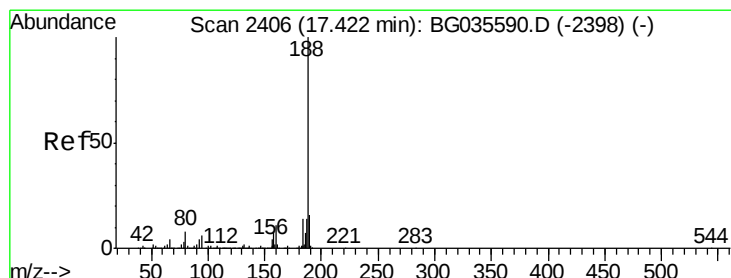
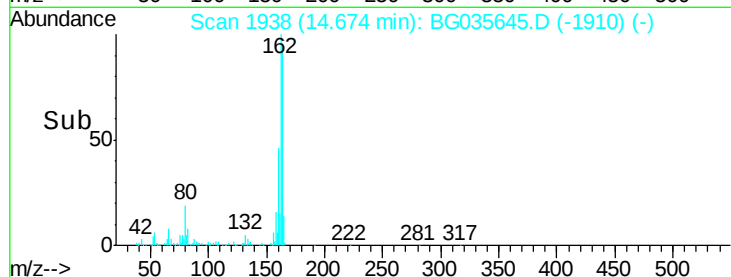
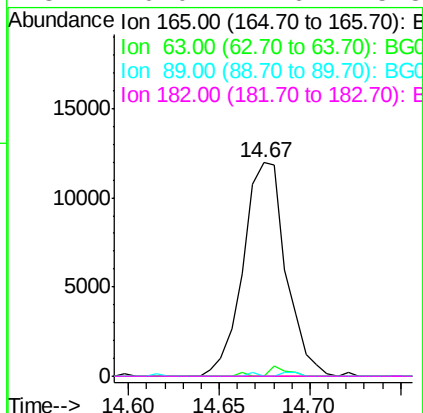
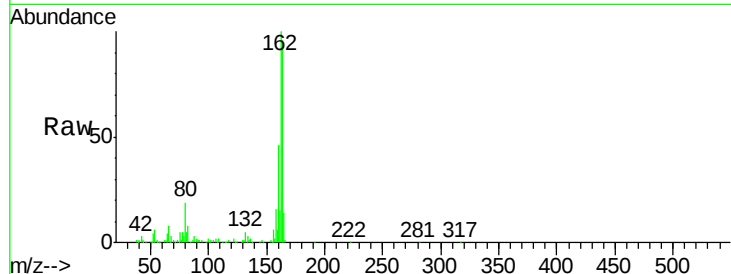




#56
2,4-Dinitrotoluene
Concen: 5.991 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.36 min
Lab File: BG035645.D
Acq: 14 Jul 2018 1:16

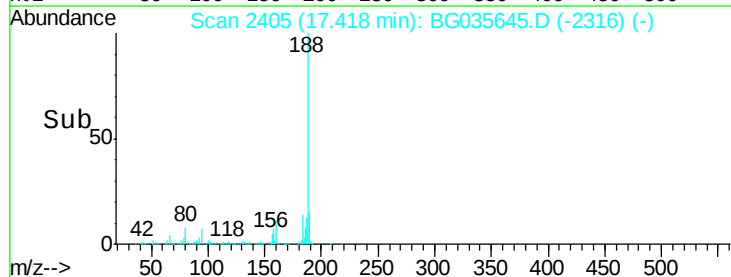
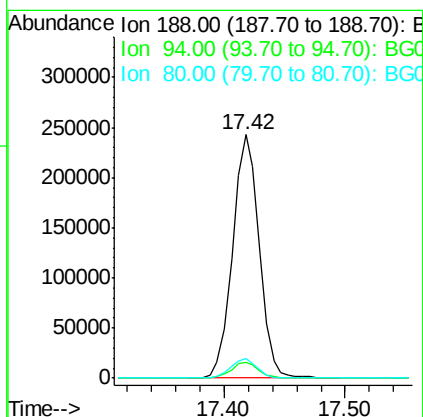
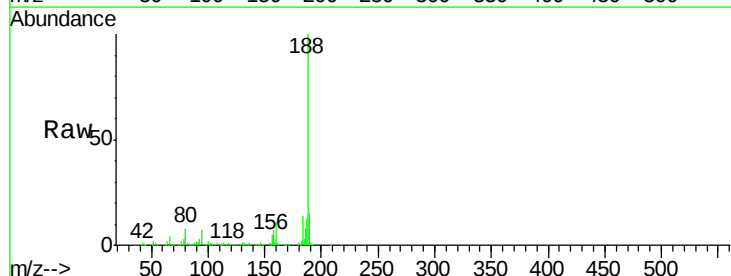
Instrument :
BNA_G
ClientSampleId :
TP-E-MH-D

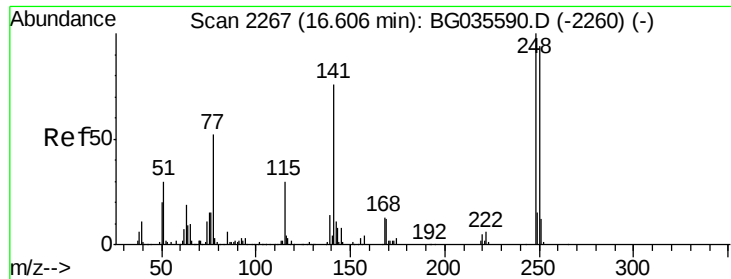
Tgt Ion:165 Resp: 19648
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2405
Delta R.T. -0.00 min
Lab File: BG035645.D
Acq: 14 Jul 2018 1:16

Tgt Ion:188 Resp: 371406
Ion Ratio Lower Upper
188 100
94 6.6 6.9 10.3#
80 7.8 7.7 11.5

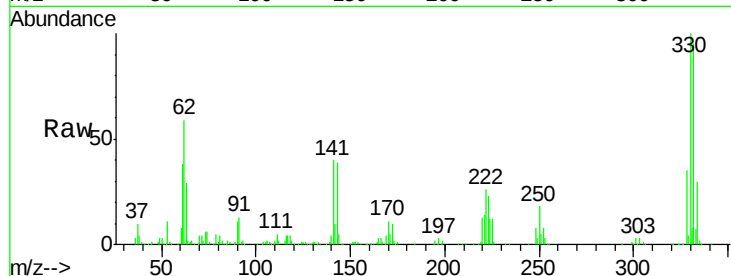




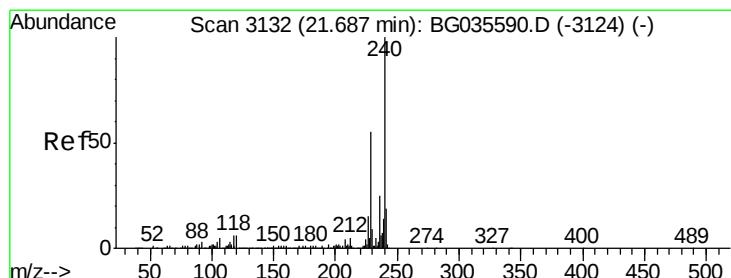
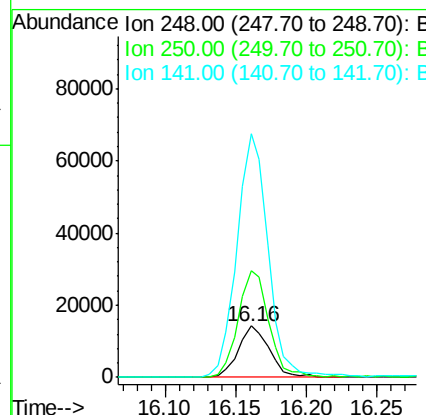
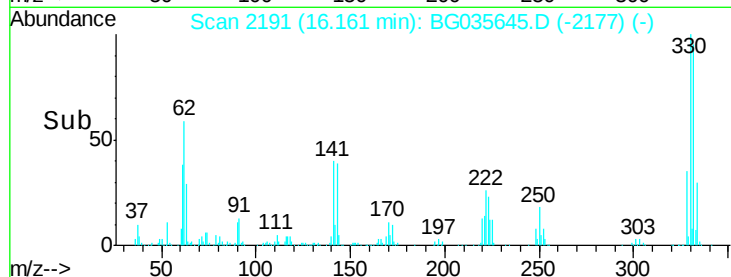
#66
 4-Bromophenyl-phenylether
 Concen: 5.095 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.45 min
 Lab File: BG035645.D
 Acq: 14 Jul 2018 1:16

Instrument :
 BNA_G
 ClientSampleId :
 TP-E-MH-D

Tgt Ion:248 Resp: 21955
 Ion Ratio Lower Upper
 248 100
 250 207.7 77.1 115.7#
 141 474.9 50.8 76.2#

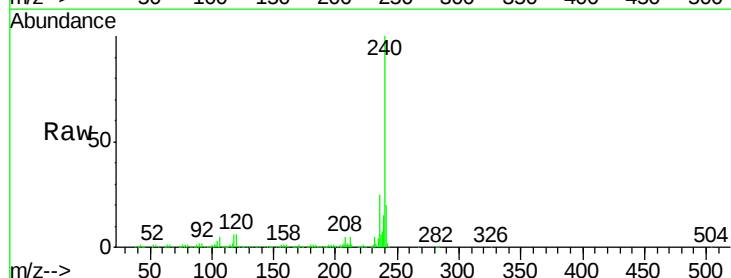


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

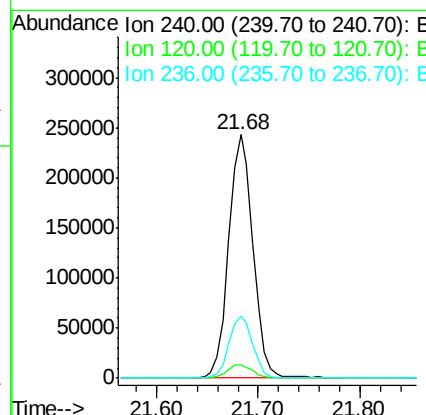
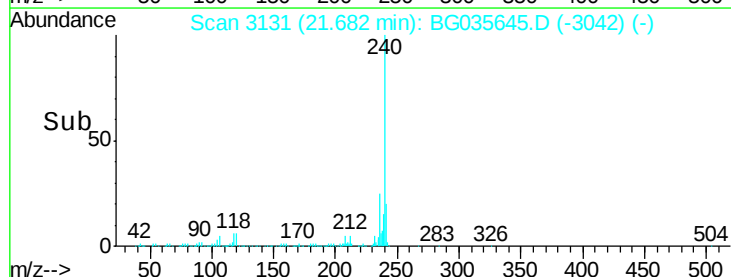


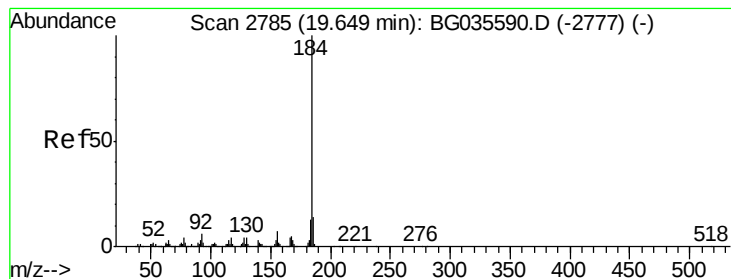
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.00 min
 Lab File: BG035645.D
 Acq: 14 Jul 2018 1:16

Tgt Ion:240 Resp: 402839
 Ion Ratio Lower Upper
 240 100
 120 5.5 6.8 10.2#
 236 25.2 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: 3.025 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG035645.D

Acq: 14 Jul 2018 1:16

Instrument :

BNA_G

ClientSampleId :

TP-E-MH-D

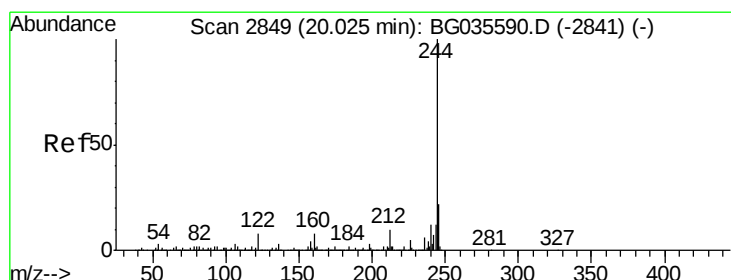
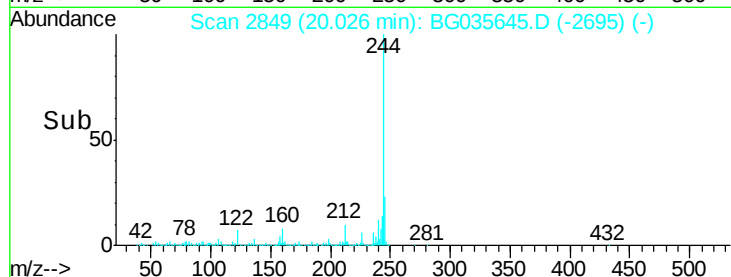
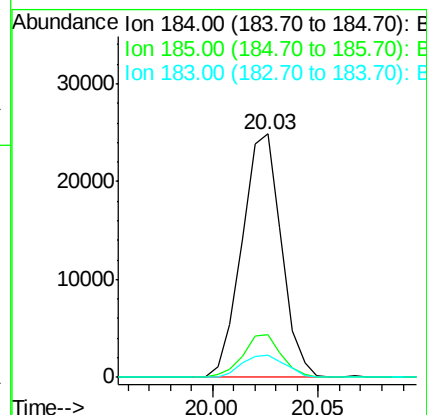
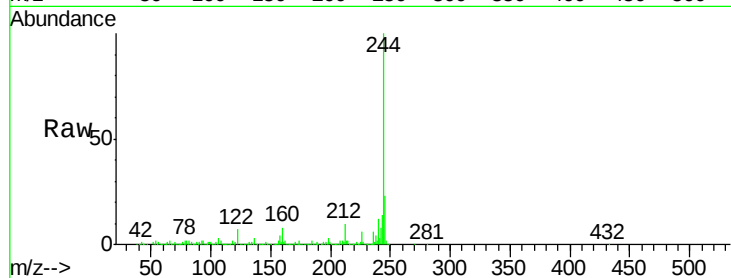
Tgt Ion:184 Resp: 32042

Ion Ratio Lower Upper

184 100

185 17.6 11.1 16.7#

183 9.1 10.6 16.0#



#78

Terphenyl-d14

Concen: 94.240 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.00 min

Lab File: BG035645.D

Acq: 14 Jul 2018 1:16

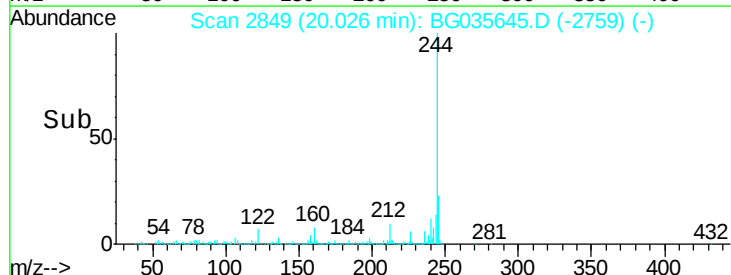
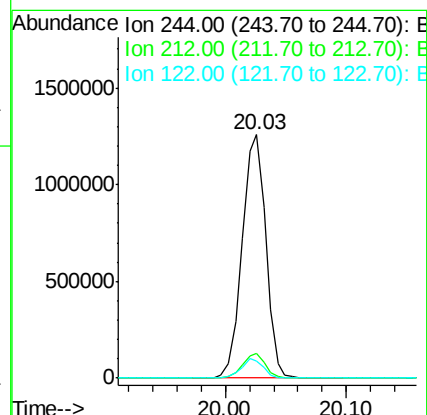
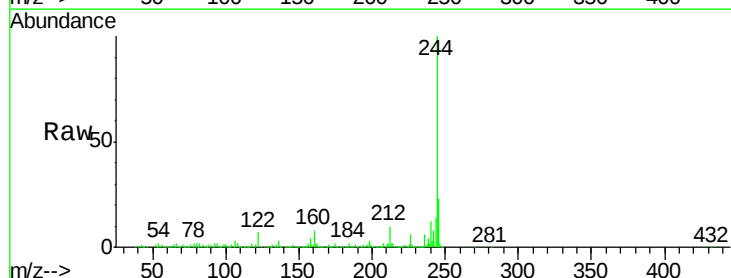
Tgt Ion:244 Resp: 1722255

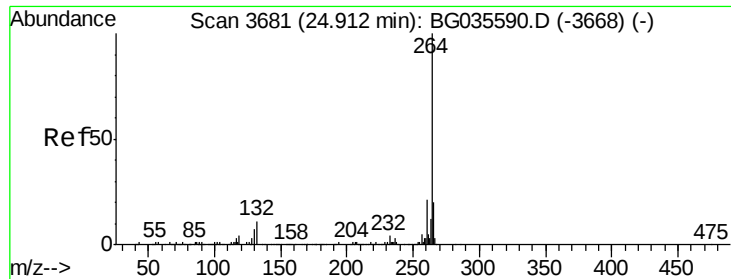
Ion Ratio Lower Upper

244 100

212 10.0 5.8 8.8#

122 7.2 7.0 10.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3679
Delta R.T. -0.01 min
Lab File: BG035645.D
Acq: 14 Jul 2018 1:16

Instrument :
BNA_G
ClientSampleId :
TP-E-MH-D

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.8	17.4	26.0
265	20.3	17.7	26.5

