

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071318\
 Data File : BG035652.D
 Acq On : 14 Jul 2018 5:48
 Operator : JU/SJ
 Sample : J3958-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CS-CONCRETE

Quant Time: Jul 14 06:24:55 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

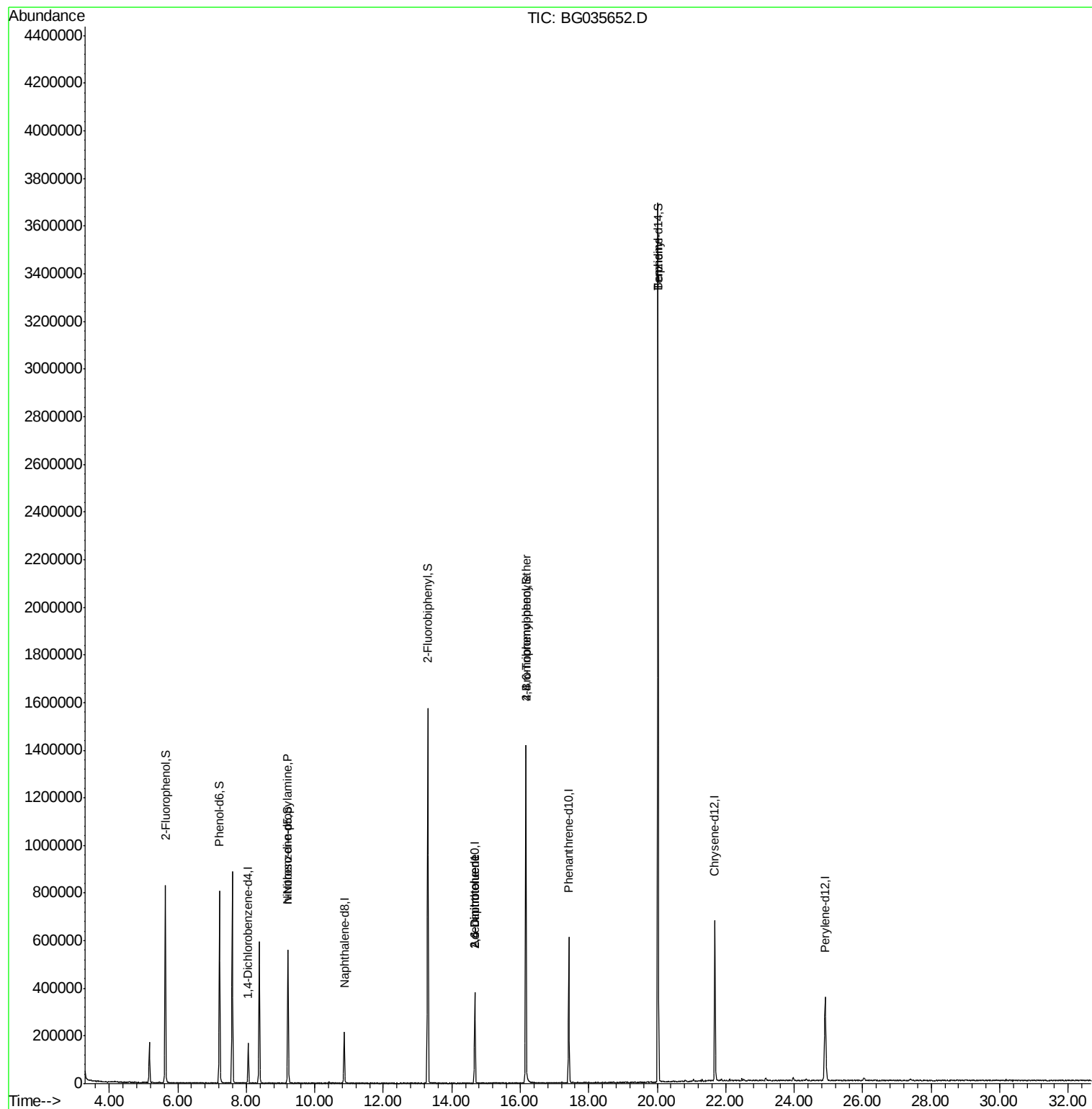
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	46114	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	179082	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	133081	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	392159	20.00	ng	0.00
75) Chrysene-d12	21.68	240	419713	20.00	ng	0.00
86) Perylene-d12	24.90	264	397483	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	342940	123.47	ng	0.00
7) Phenol-d6	7.22	99	475441	114.73	ng	0.00
23) Nitrobenzene-d5	9.22	82	373775	87.19	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	251293	143.26	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	828959	83.45	ng	0.00
78) Terphenyl-d14	20.02	244	1700632	89.32	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	53211	15.248	ng	# 73
50) 2,6-Dinitrotoluene	14.67	165	17636	7.428	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	17636	5.177	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	20449	4.495	ng	# 1
76) Benzidine	20.02	184	32579	2.953	ng	96

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071318\
Data File : BG035652.D
Acq On : 14 Jul 2018 5:48
Operator : JU/SJ
Sample : J3958-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CS-CONCRETE

Quant Time: Jul 14 06:24:55 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



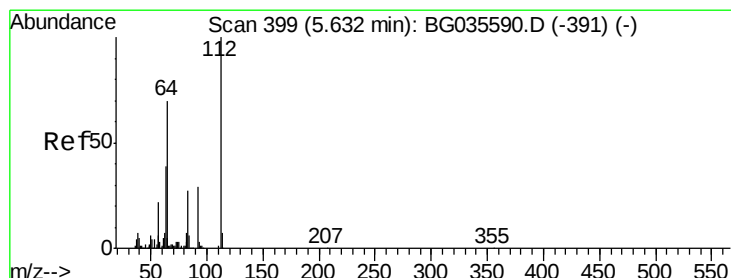
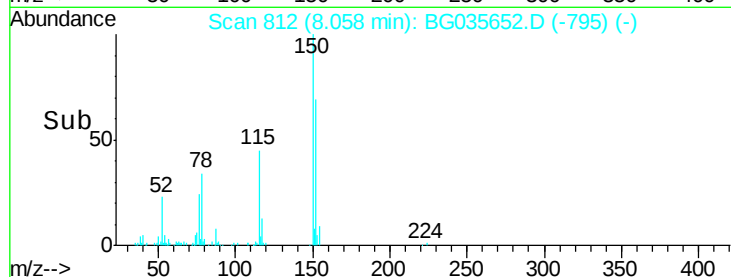
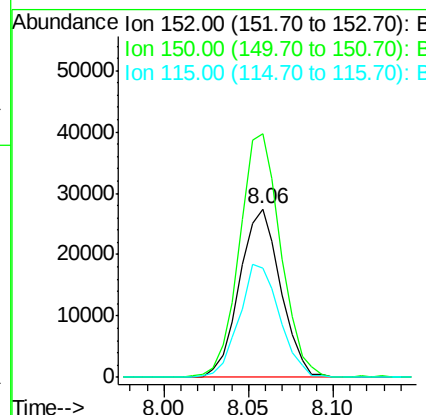
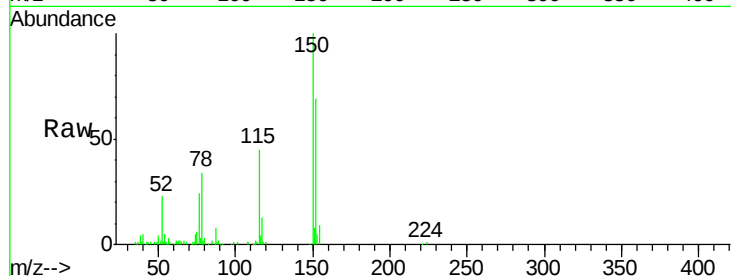


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.00 min
Lab File: BG035652.D
Acq: 14 Jul 2018 5:48

Instrument :
BNA_G
ClientSampleId :
CS-CONCRETE

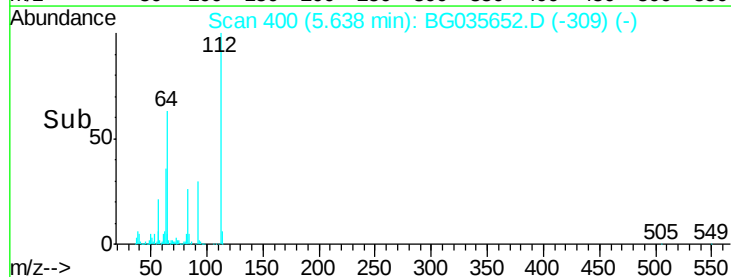
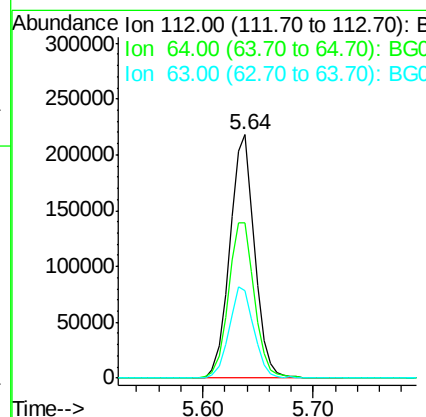
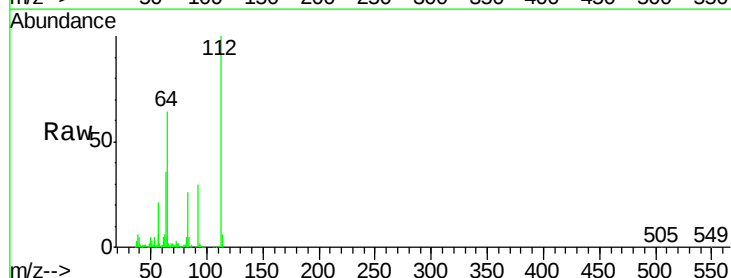
Tgt Ion:152 Resp: 46114
Ion Ratio Lower Upper
152 100
150 144.8 126.6 189.8
115 64.8 53.0 79.4

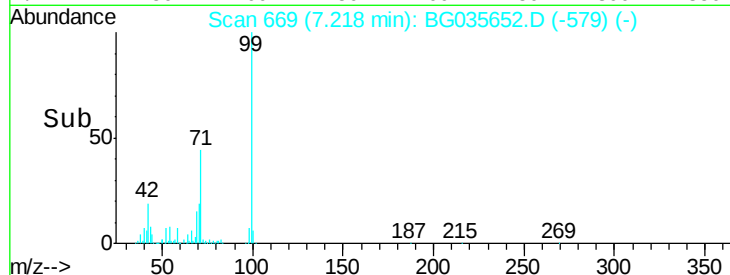
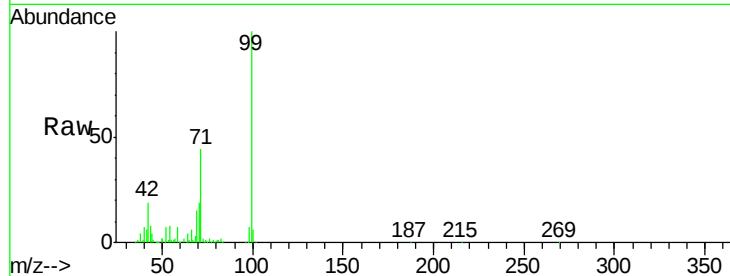
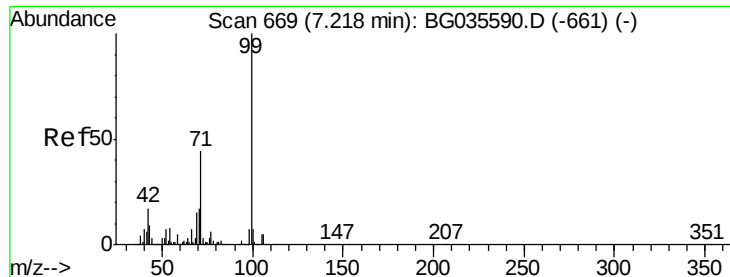


#5

2-Fluorophenol
Concen: 123.468 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.01 min
Lab File: BG035652.D
Acq: 14 Jul 2018 5:48

Tgt Ion:112 Resp: 342940
Ion Ratio Lower Upper
112 100
64 63.5 56.3 84.5
63 36.1 30.1 45.1





#7

Phenol-d6

Concen: 114.728 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG035652.D

Acq: 14 Jul 2018 5:48

Instrument :

BNA_G

ClientSampleId :

CS-CONCRETE

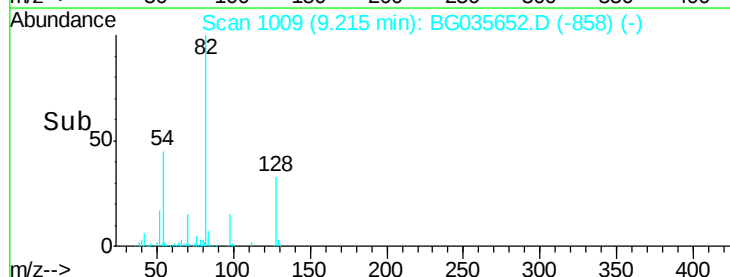
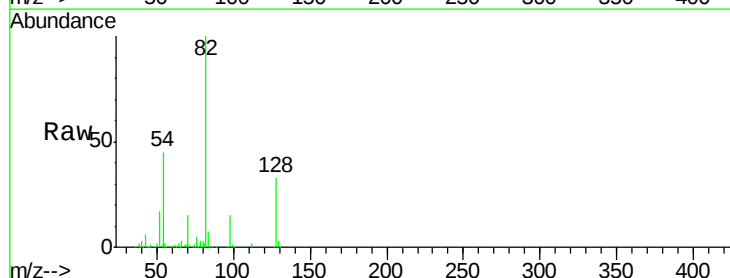
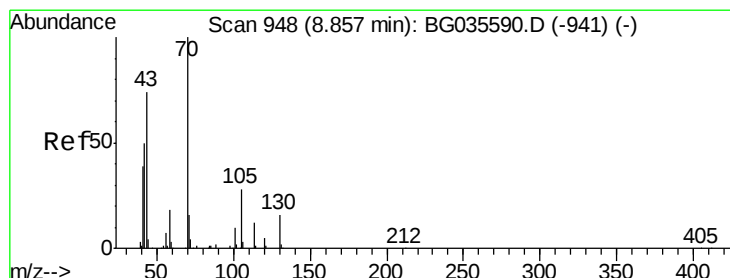
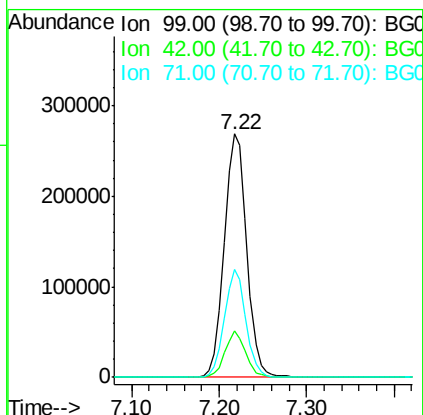
Tgt Ion: 99 Resp: 475441

Ion Ratio Lower Upper

99 100

42 18.9 14.1 21.1

71 44.1 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.248 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.36 min

Lab File: BG035652.D

Acq: 14 Jul 2018 5:48

Tgt Ion: 70 Resp: 53211

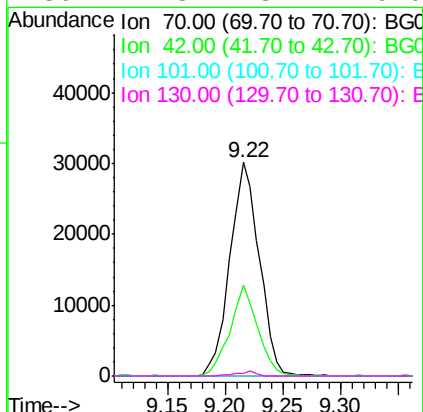
Ion Ratio Lower Upper

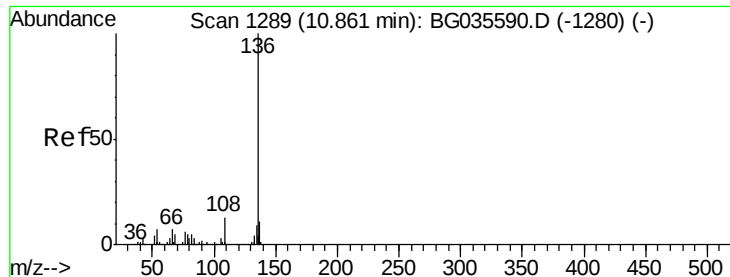
70 100

42 42.8 49.1 73.7#

101 0.0 8.5 12.7#

130 1.3 13.4 20.0#

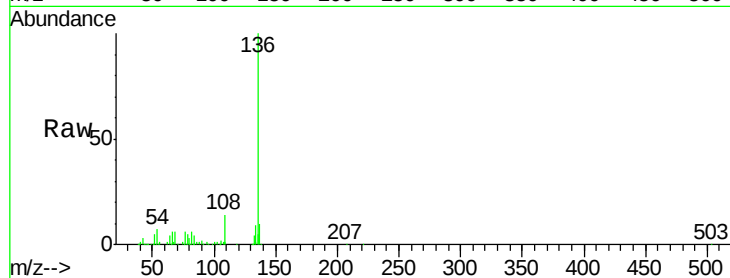




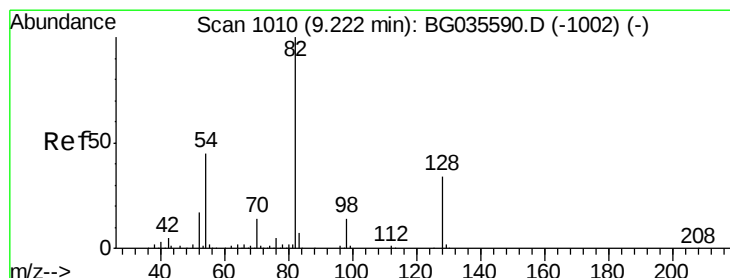
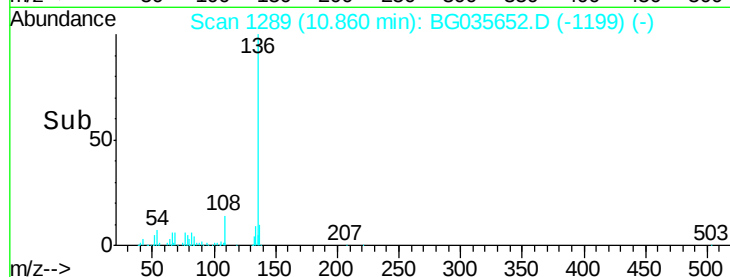
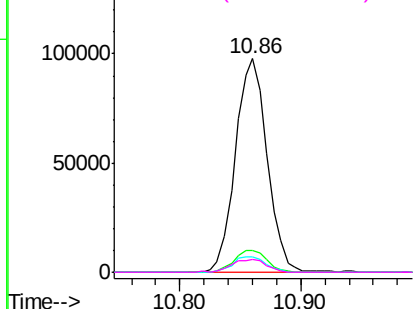
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG035652.D
Acq: 14 Jul 2018 5:48

Instrument :
BNA_G
ClientSampleId :
CS-CONCRETE

Tgt Ion:	136	Resp:	179082
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	7.5	10.3	15.5#
68	6.3	4.5	6.7

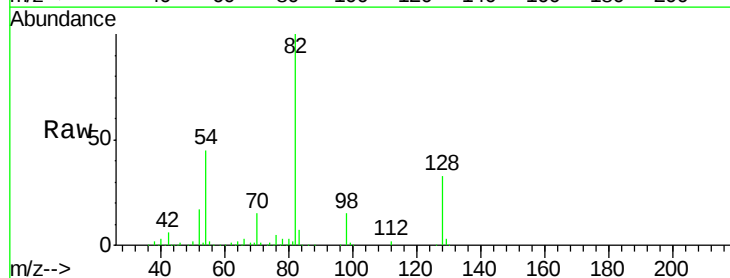


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

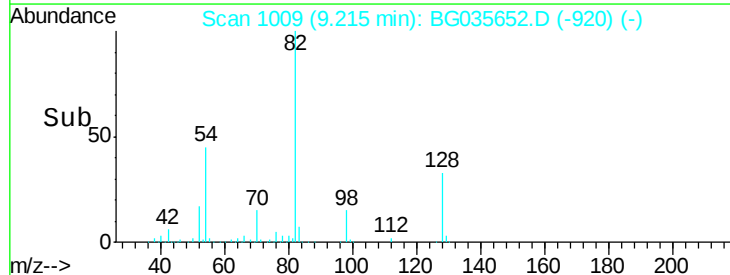
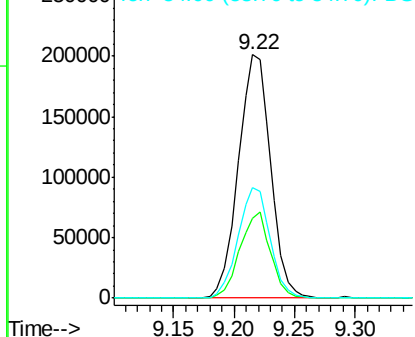


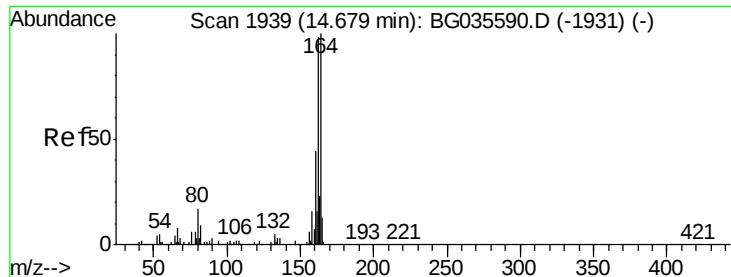
#23
Nitrobenzene-d5
Concen: 87.191 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BG035652.D
Acq: 14 Jul 2018 5:48

Tgt Ion:	82	Resp:	373775
Ion	Ratio	Lower	Upper
82	100		
128	32.8	29.7	44.5
54	45.5	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: 14.67 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG035652.D

Acq: 14 Jul 2018 5:48

Instrument :

BNA_G

ClientSampleId :

CS-CONCRETE

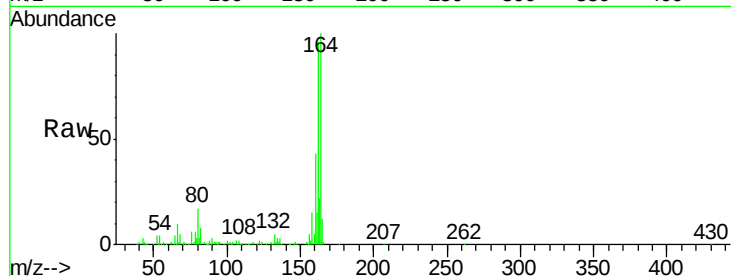
Tgt Ion:164 Resp: 133081

Ion Ratio Lower Upper

164 100

162 96.1 78.8 118.2

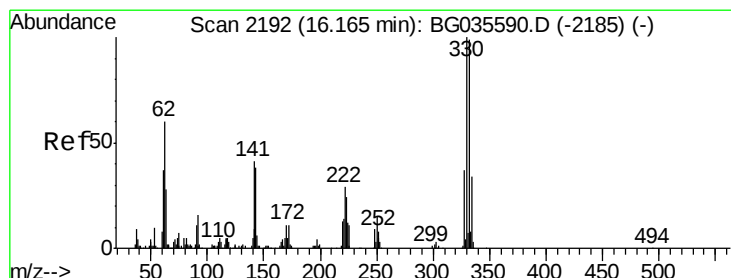
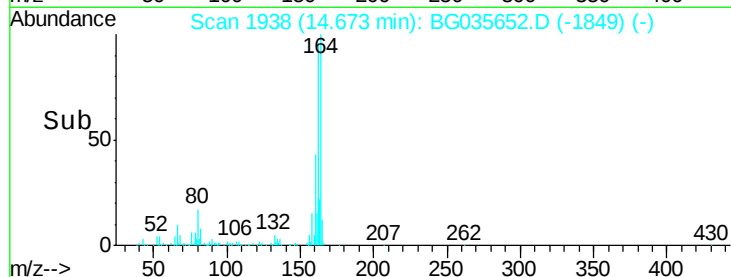
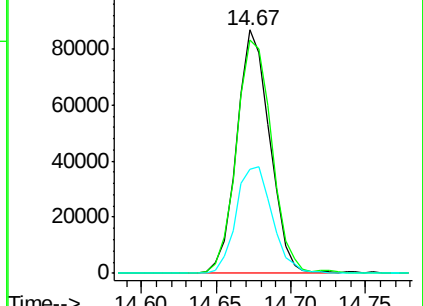
160 42.9 35.4 53.0



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: 143.261 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG035652.D

Acq: 14 Jul 2018 5:48

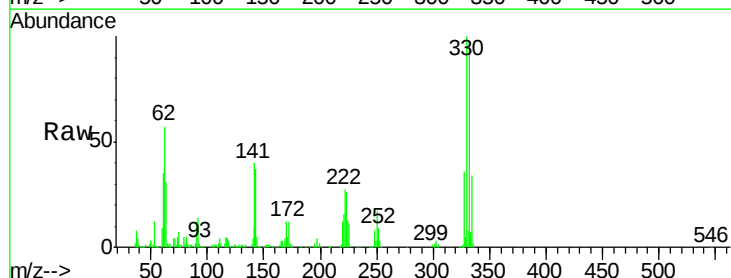
Tgt Ion:330 Resp: 251293

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

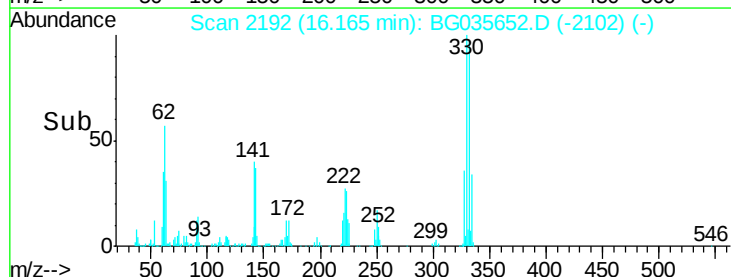
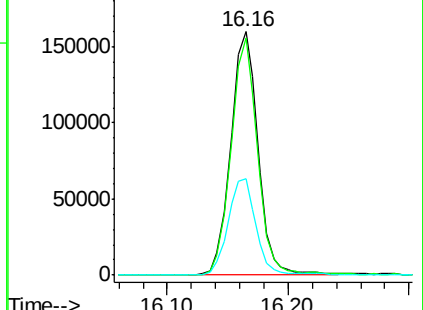
141 40.2 25.2 37.8#

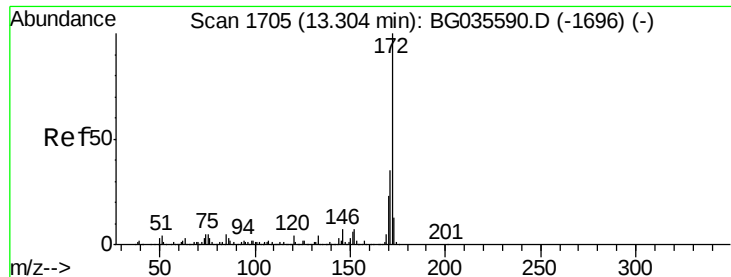


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

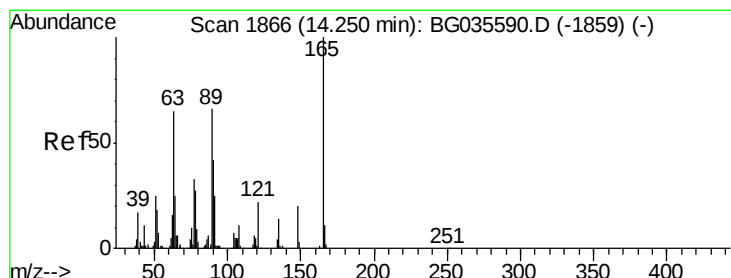
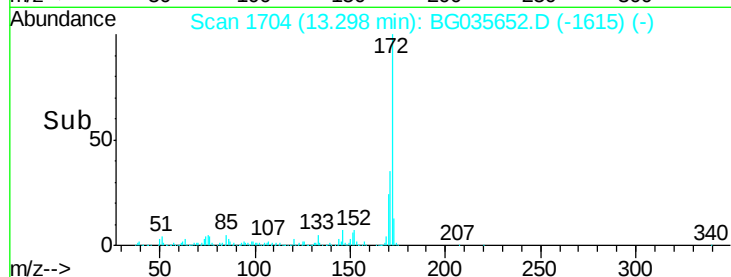
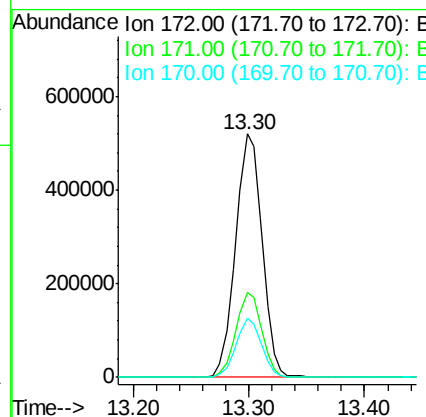
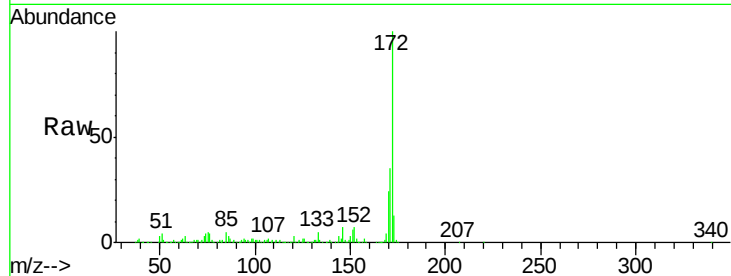




#44
 2-Fluorobiphenyl
 Concen: 83.452 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BG035652.D
 Acq: 14 Jul 2018 5:48

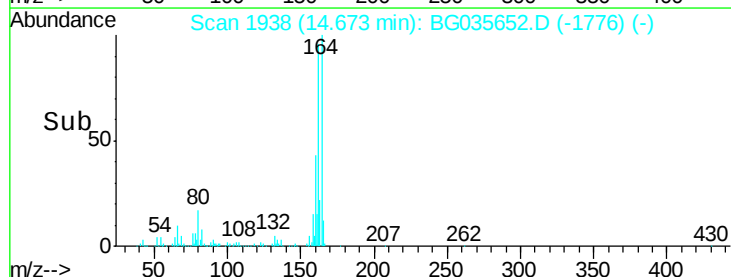
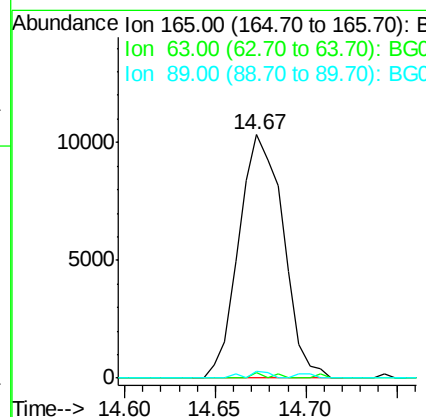
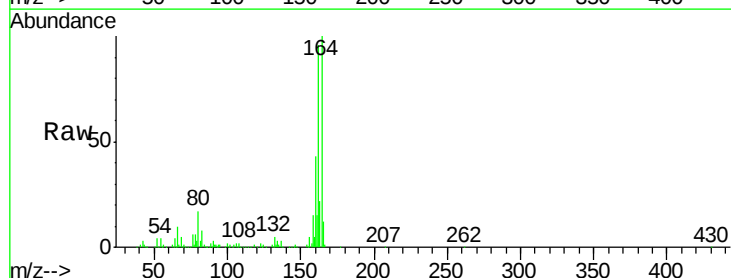
Instrument :
 BNA_G
 ClientSampleId :
 CS-CONCRETE

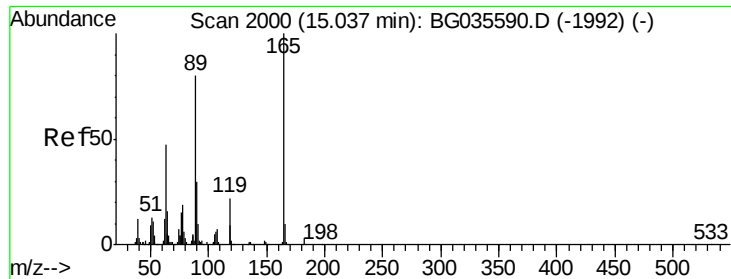
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	30.0	45.0
170	24.3	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.428 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.42 min
 Lab File: BG035652.D
 Acq: 14 Jul 2018 5:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	52.7	79.1#
89	2.9	49.2	73.8#

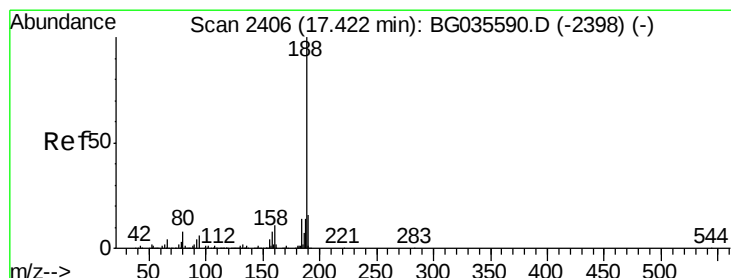
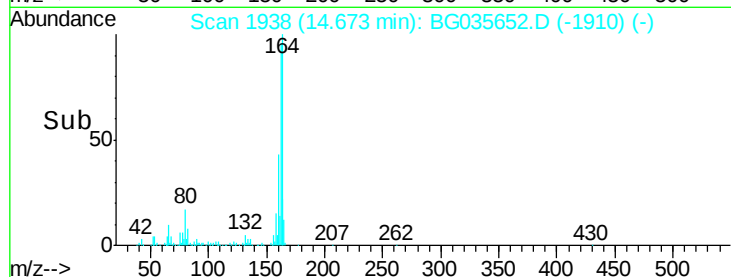
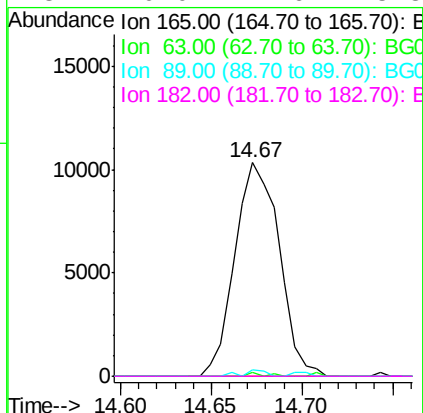
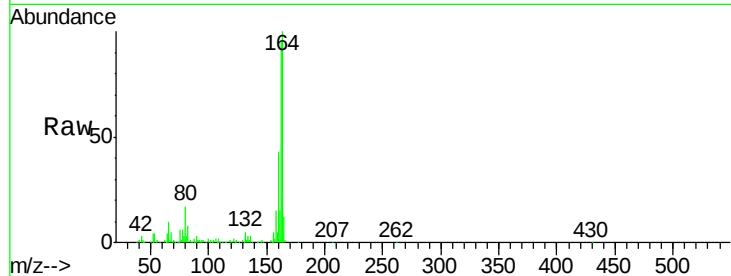




#56
 2,4-Dinitrotoluene
 Concen: 5.177 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.36 min
 Lab File: BG035652.D
 Acq: 14 Jul 2018 5:48

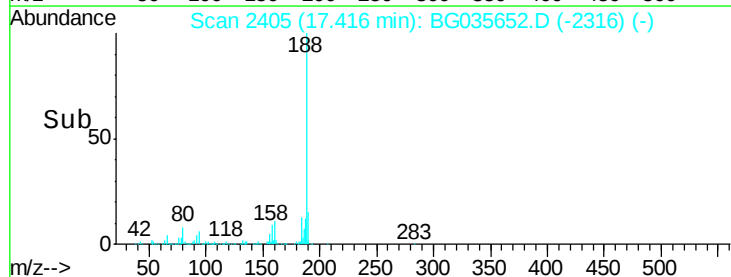
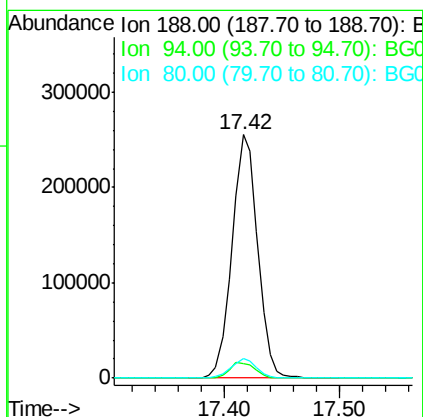
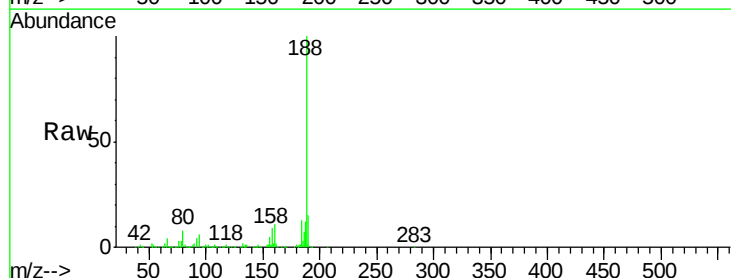
Instrument :
 BNA_G
 ClientSampleId :
 CS-CONCRETE

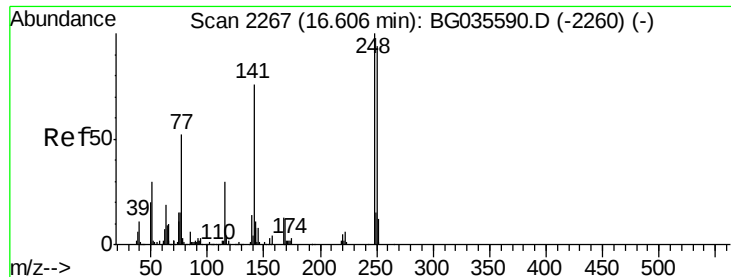
Tgt Ion:165 Resp: 17636
 Ion Ratio Lower Upper
 165 100
 63 2.0 42.0 63.0#
 89 2.9 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.01 min
 Lab File: BG035652.D
 Acq: 14 Jul 2018 5:48

Tgt Ion:188 Resp: 392159
 Ion Ratio Lower Upper
 188 100
 94 6.0 6.9 10.3#
 80 8.2 7.7 11.5

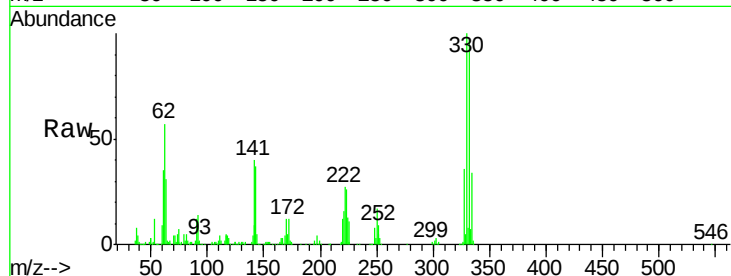




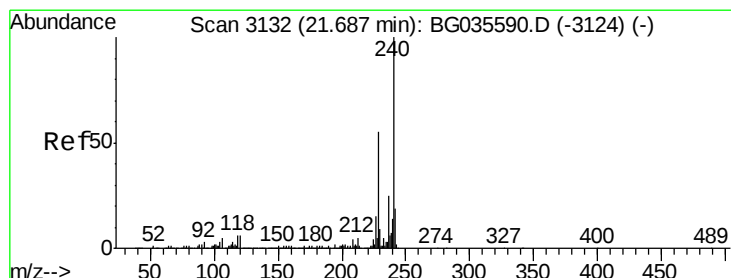
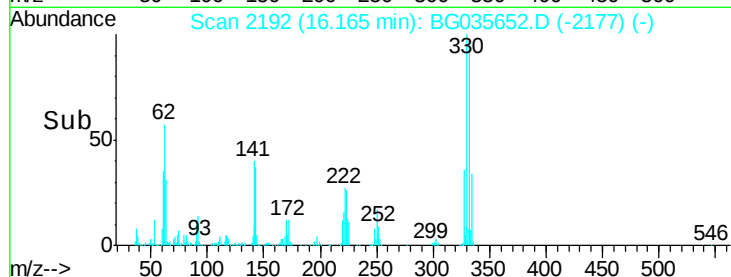
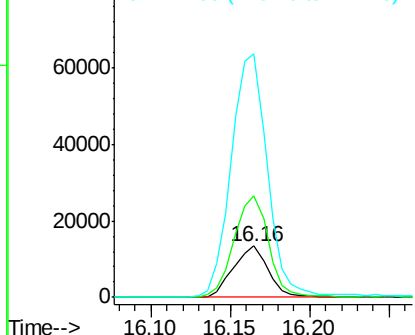
#66
 4-Bromophenyl-phenylether
 Concen: 4.495 ng
 RT: 16.16 min Scan# 2192
 Delta R.T. -0.44 min
 Lab File: BG035652.D
 Acq: 14 Jul 2018 5:48

Instrument :
 BNA_G
 ClientSampleId :
 CS-CONCRETE

Tgt Ion:248 Resp: 20449
 Ion Ratio Lower Upper
 248 100
 250 198.2 77.1 115.7#
 141 477.5 50.8 76.2#

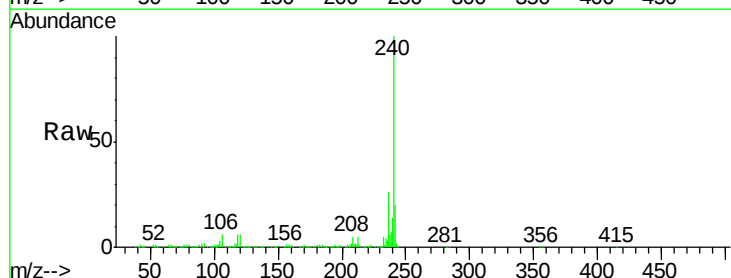


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

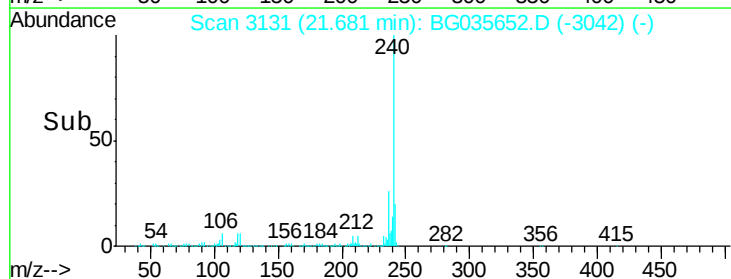
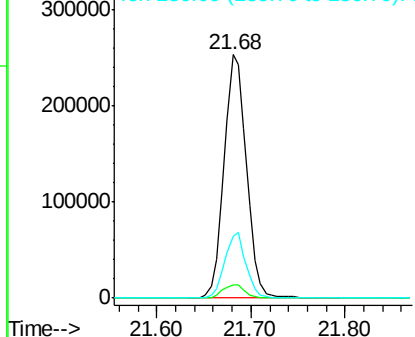


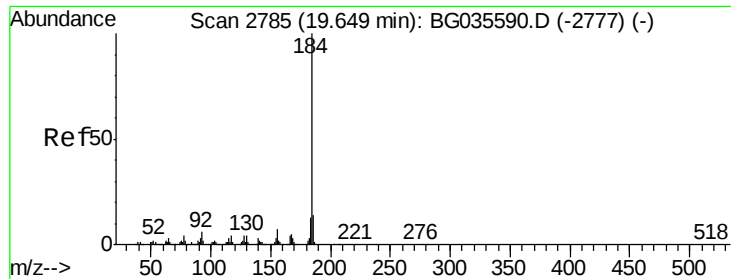
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.01 min
 Lab File: BG035652.D
 Acq: 14 Jul 2018 5:48

Tgt Ion:240 Resp: 419713
 Ion Ratio Lower Upper
 240 100
 120 5.6 6.8 10.2#
 236 25.6 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: 2.953 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG035652.D

Acq: 14 Jul 2018 5:48

Instrument :

BNA_G

ClientSampleId :

CS-CONCRETE

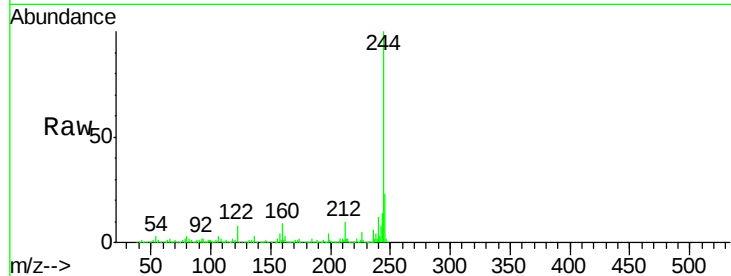
Tgt Ion:184 Resp: 32579

Ion Ratio Lower Upper

184 100

185 16.6 11.1 16.7

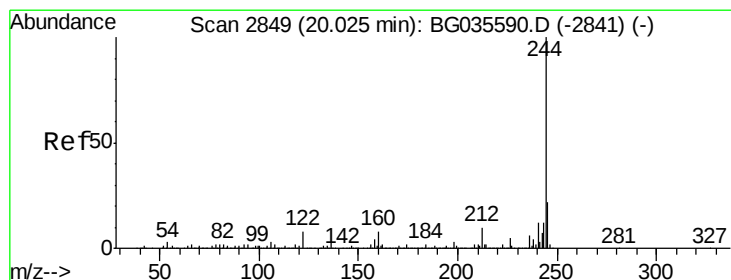
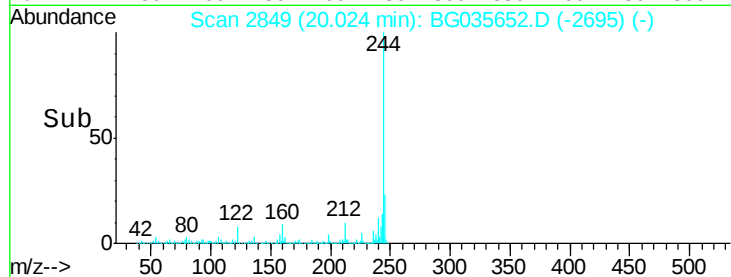
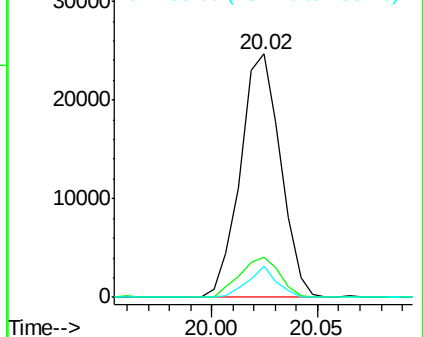
183 12.6 10.6 16.0



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: 89.316 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG035652.D

Acq: 14 Jul 2018 5:48

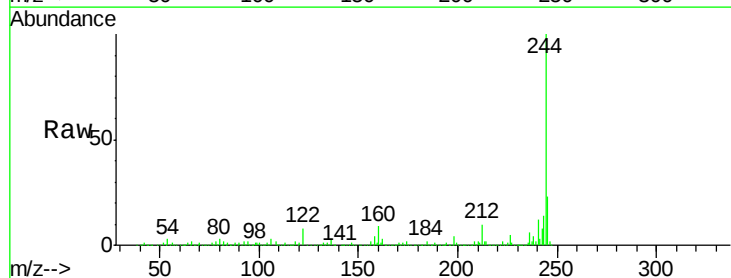
Tgt Ion:244 Resp: 1700632

Ion Ratio Lower Upper

244 100

212 10.4 5.8 8.8#

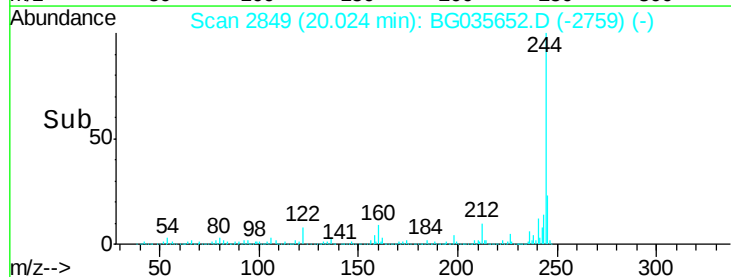
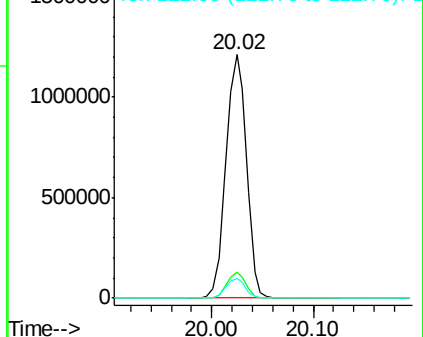
122 8.0 7.0 10.4

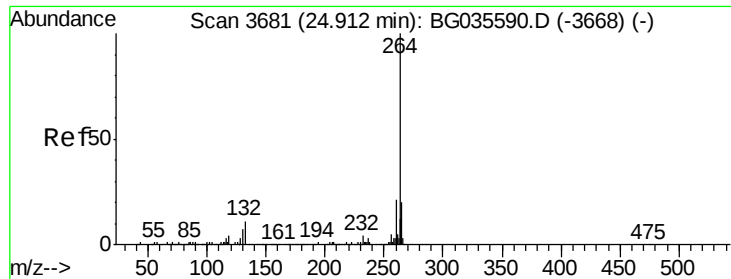


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



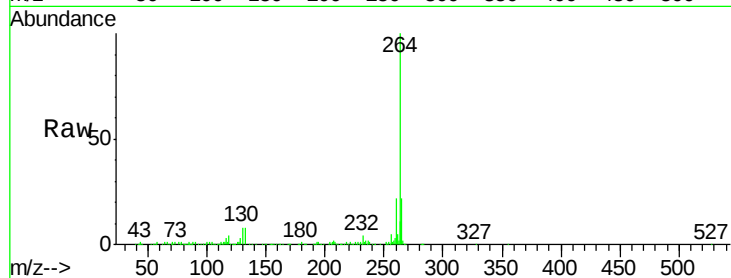


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3679
Delta R.T. -0.01 min
Lab File: BG035652.D
Acq: 14 Jul 2018 5:48

Instrument :
BNA_G
ClientSampleId :
CS-CONCRETE

Tgt Ion: 264 Resp: 397483

Ion	Ratio	Lower	Upper
264	100		
260	21.7	17.4	26.0
265	22.0	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

