

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071718\
 Data File : BG035713.D
 Acq On : 18 Jul 2018 11:40
 Operator : JU/SJ
 Sample : PB111188BL
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 18 12:57:53 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

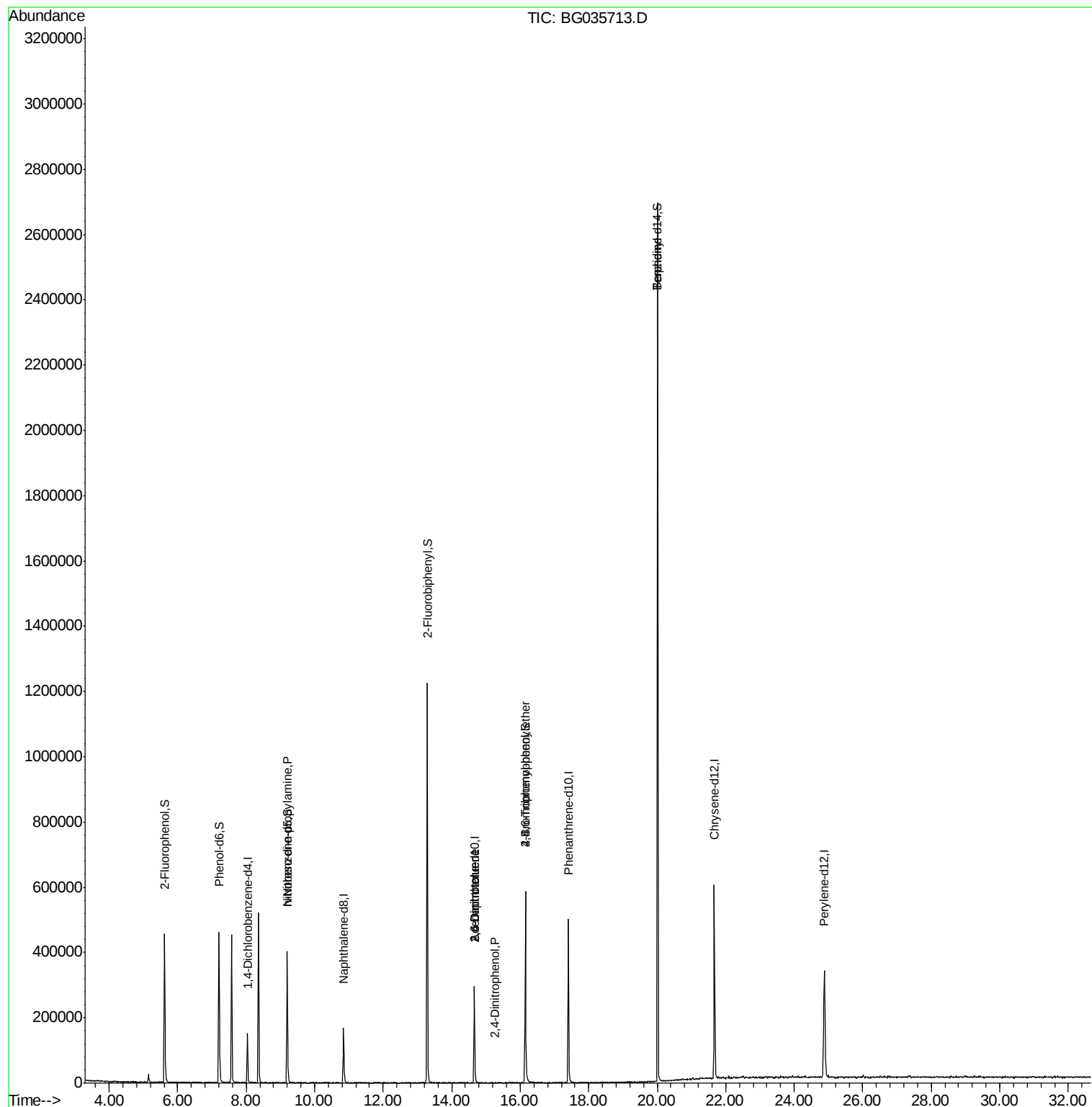
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	42336	20.00	ng	-0.02
21) Naphthalene-d8	10.84	136	153511	20.00	ng	-0.02
38) Acenaphthene-d10	14.66	164	110844	20.00	ng	-0.02
63) Phenanthrene-d10	17.41	188	335070	20.00	ng	-0.01
75) Chrysene-d12	21.67	240	390772	20.00	ng	-0.01
86) Perylene-d12	24.88	264	372474	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	207083	81.21	ng	-0.01
7) Phenol-d6	7.20	99	289224	76.02	ng	-0.01
23) Nitrobenzene-d5	9.20	82	281971	76.73	ng	-0.03
41) 2,4,6-Tribromophenol	16.15	330	124073	84.92	ng	-0.01
44) 2-Fluorobiphenyl	13.28	172	659502	79.71	ng	-0.02
78) Terphenyl-d14	20.01	244	1286786	72.59	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	39126	12.212	ng	# 66
50) 2,6-Dinitrotoluene	14.66	165	14879	7.524	ng	# 20
53) 2,4-Dinitrophenol	15.25	184	57	6.634	ng	# 1
56) 2,4-Dinitrotoluene	14.66	165	14879	5.244	ng	# 18
66) 4-Bromophenyl-phenylether	16.15	248	10046	2.584	ng	# 1
76) Benzidine	20.01	184	20768	2.022	ng	# 89

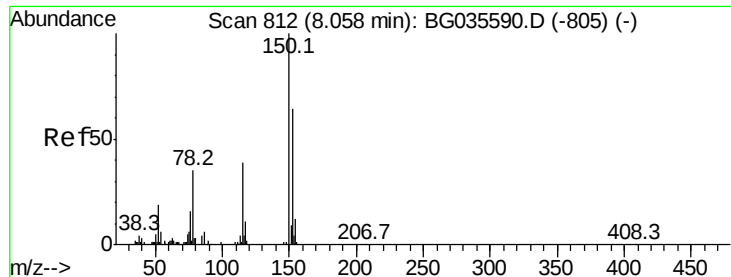
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071718\
Data File : BG035713.D
Acq On : 18 Jul 2018 11:40
Operator : JU/SJ
Sample : PB111188BL
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jul 18 12:57:53 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: 8.04 min Scan# 808

Delta R.T. -0.02 min

Lab File: BG035713.D

Acq: 18 Jul 2018 11:40

Instrument :

BNA_G

ClientSampleId :

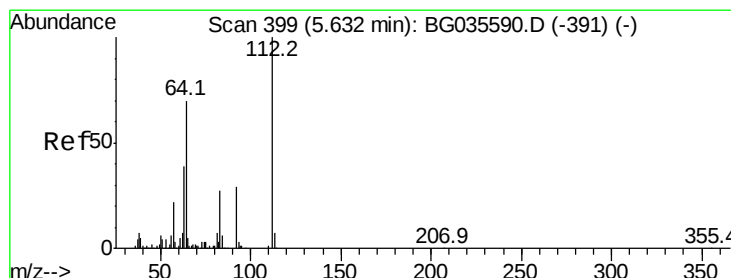
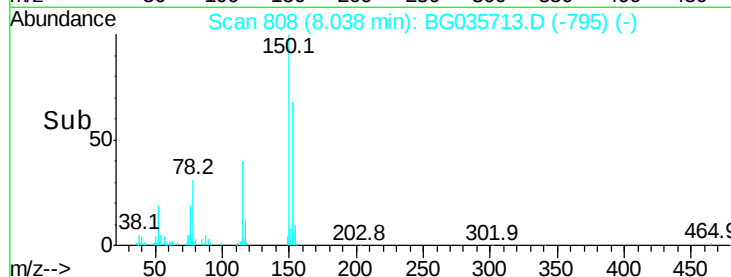
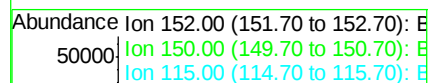
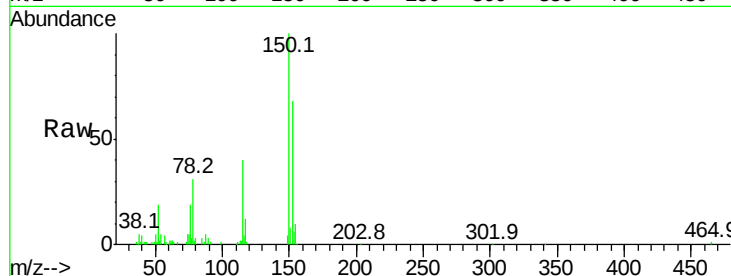
Tot Ion:152 Resp: 42336

Ion Ratio Lower Upper

152 100

150 147.6 126.6 189.8

115 58.6 53.0 79.4



#5

2-Fluorophenol

Concen: 81.209 ng

RT: 5.62 min Scan# 396

Delta R.T. -0.01 min

Lab File: BG035713.D

Acq: 18 Jul 2018 11:40

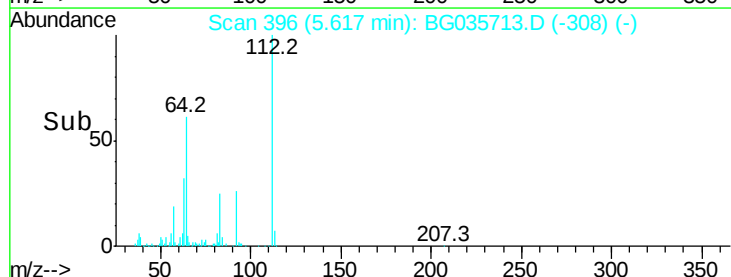
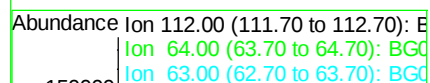
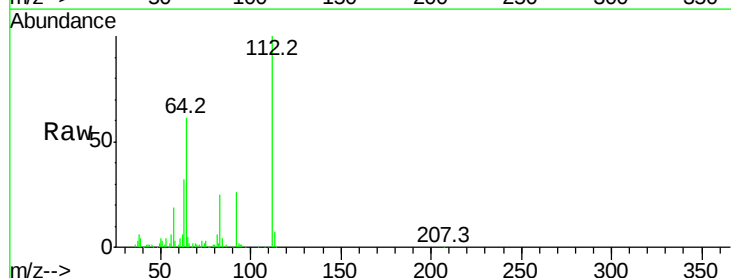
Tgt Ion:112 Resp: 207083

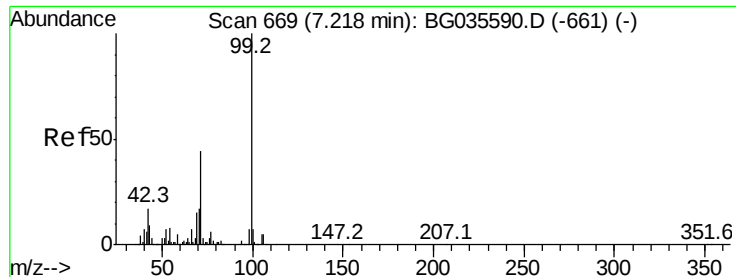
Ion Ratio Lower Upper

112 100

64 61.1 56.3 84.5

63 31.6 30.1 45.1





#7

Phenol-d6

Concen: 76.020 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG035713.D

Acq: 18 Jul 2018 11:40

Instrument :

BNA_G

ClientSampleId :

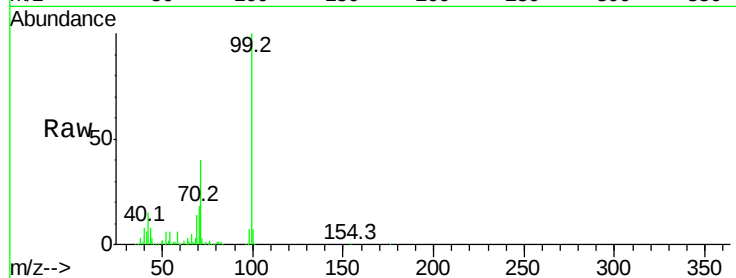
Tot Ion: 99 Resp: 289224

Ion Ratio Lower Upper

99 100

42 14.7 14.1 21.1

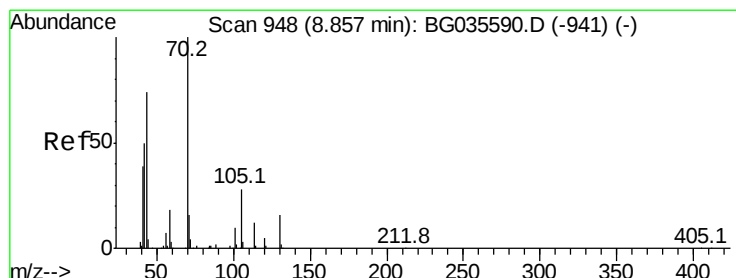
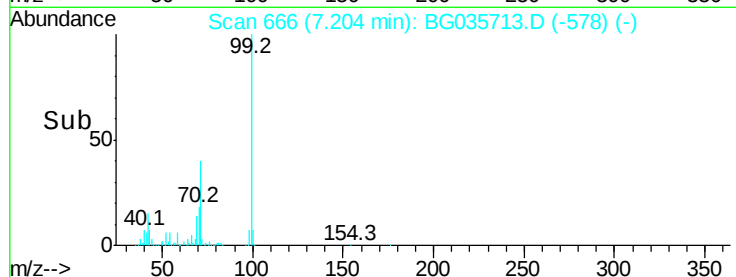
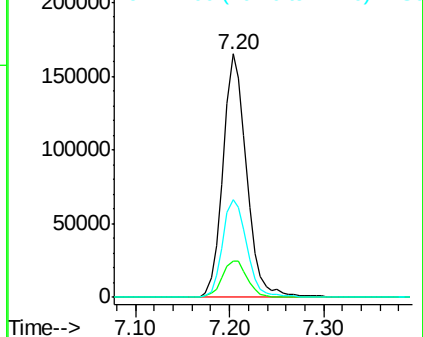
71 40.0 26.1 39.1#



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: 12.212 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.34 min

Lab File: BG035713.D

Acq: 18 Jul 2018 11:40

Tgt Ion: 70 Resp: 39126

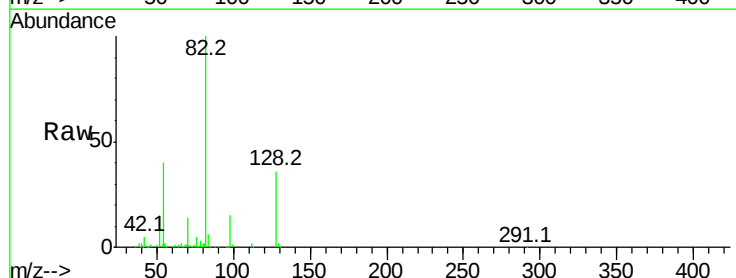
Ion Ratio Lower Upper

70 100

42 34.6 49.1 73.7#

101 0.0 8.5 12.7#

130 1.7 13.4 20.0#

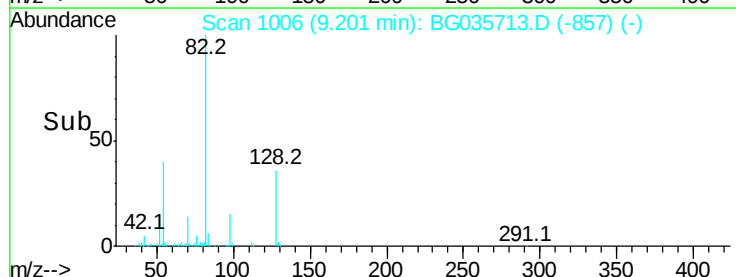
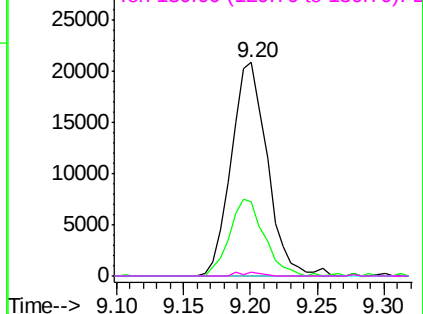


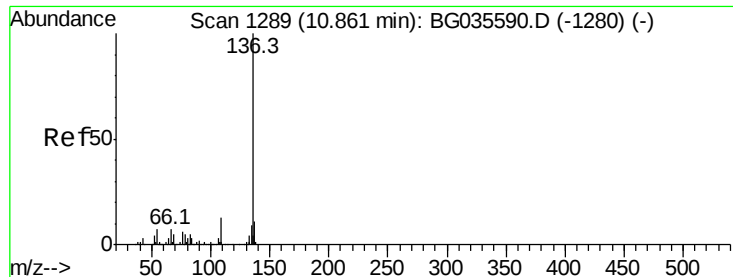
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

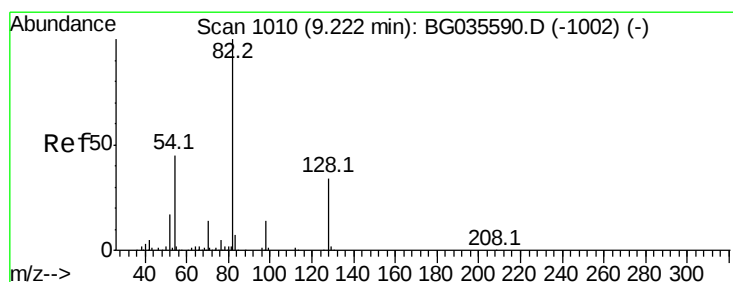
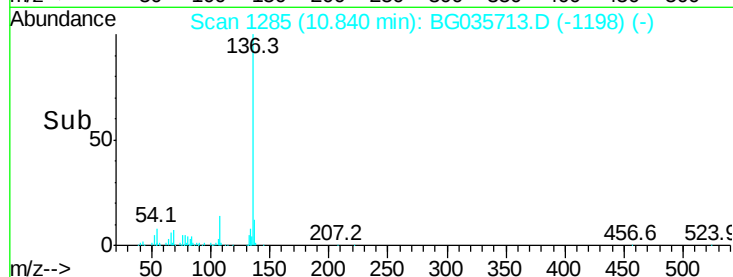
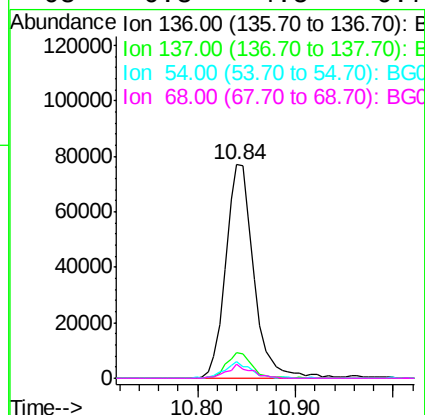
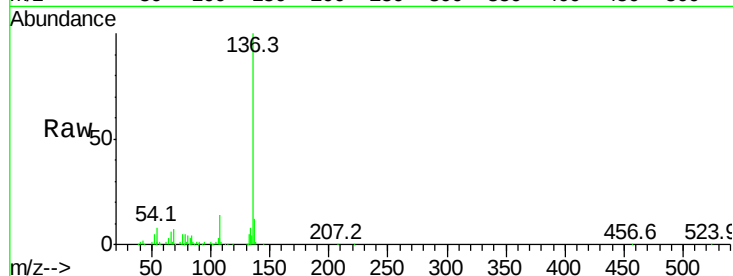




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BG035713.D
Acq: 18 Jul 2018 11:40

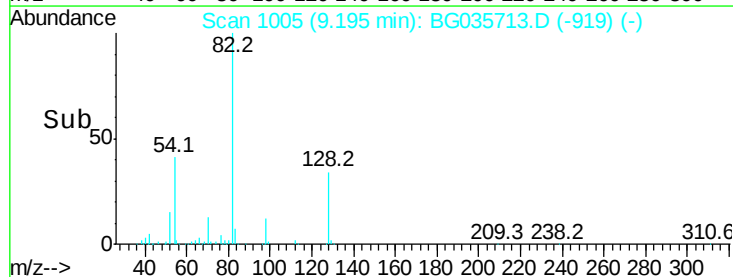
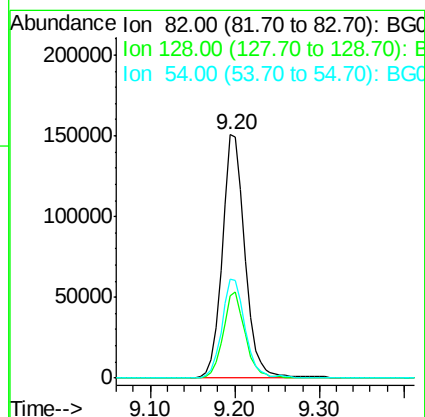
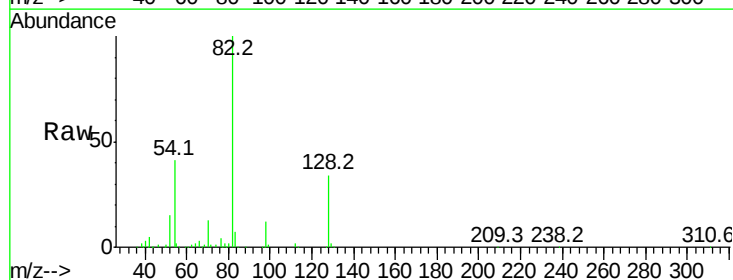
Instrument :
BNA_G
ClientSampleId :

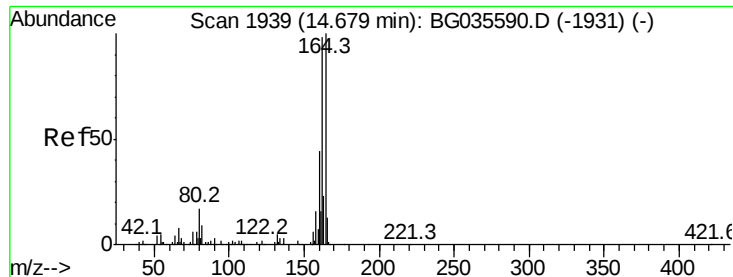
Tot Ion:	136	Resp:	153511
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.2	13.8
54	7.8	10.3	15.5#
68	6.8	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 76.732 ng
RT: 9.20 min Scan# 1005
Delta R.T. -0.03 min
Lab File: BG035713.D
Acq: 18 Jul 2018 11:40

Tgt Ion:	82	Resp:	281971
Ion	Ratio	Lower	Upper
82	100		
128	33.6	29.7	44.5
54	40.8	43.1	64.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1935

Delta R.T. -0.02 min

Lab File: BG035713.D

Acq: 18 Jul 2018 11:40

Instrument :

BNA_G

ClientSampleId :

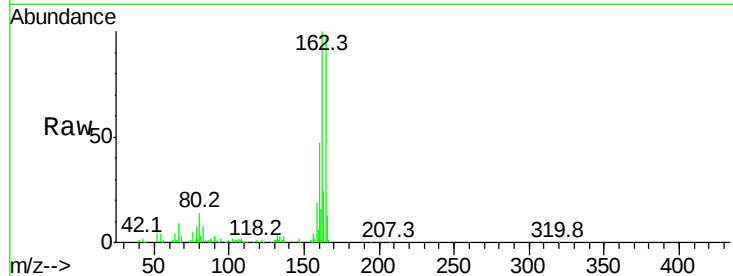
Tot Ion:164 Resp: 110844

Ion Ratio Lower Upper

164 100

162 102.7 78.8 118.2

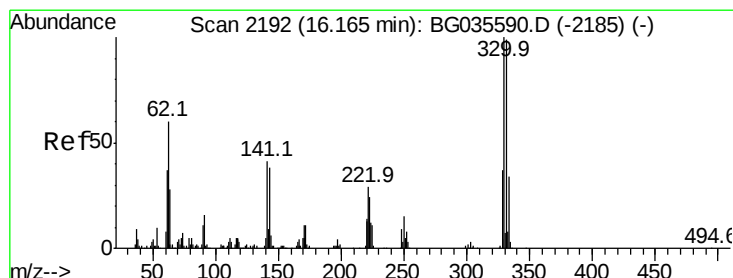
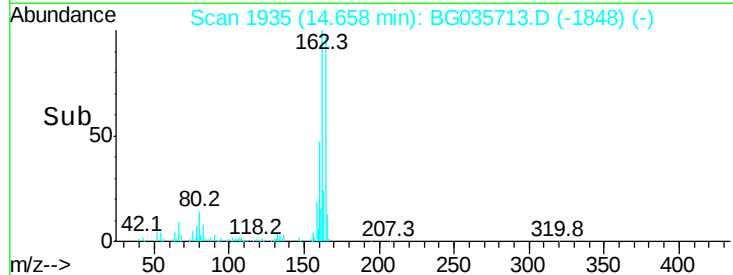
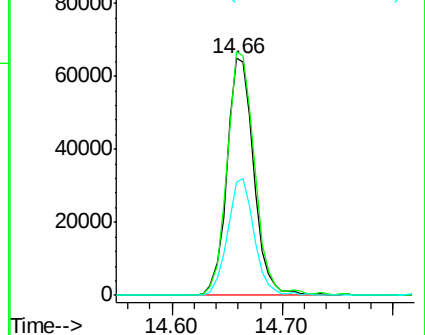
160 47.9 35.4 53.0



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: 84.924 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.01 min

Lab File: BG035713.D

Acq: 18 Jul 2018 11:40

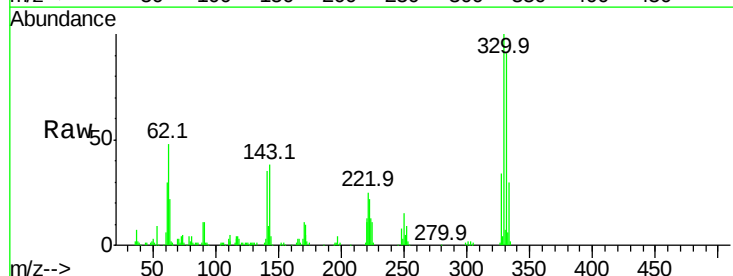
Tgt Ion:330 Resp: 124073

Ion Ratio Lower Upper

330 100

332 93.5 77.0 115.6

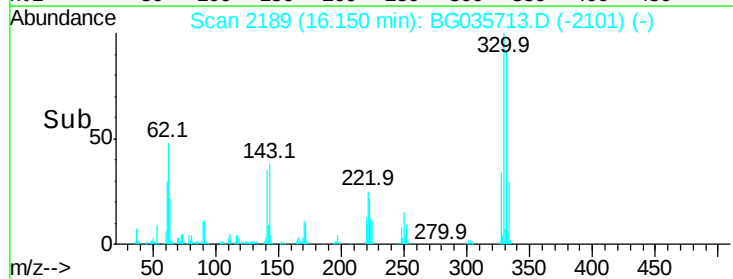
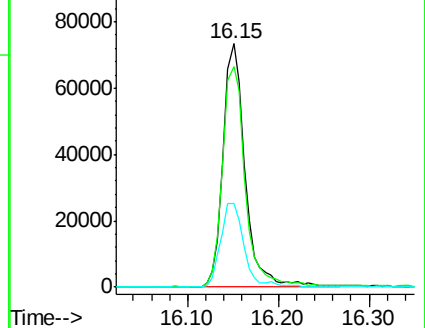
141 36.7 25.2 37.8

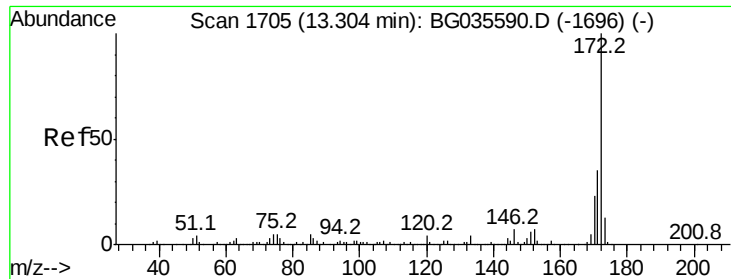


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

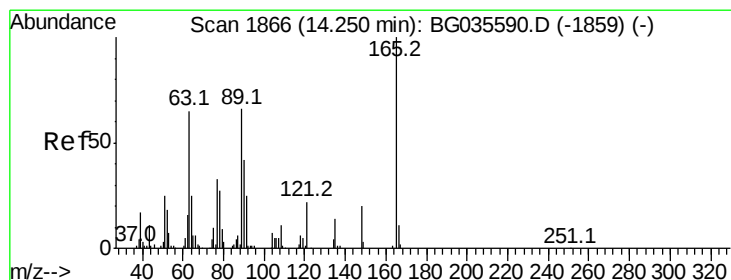
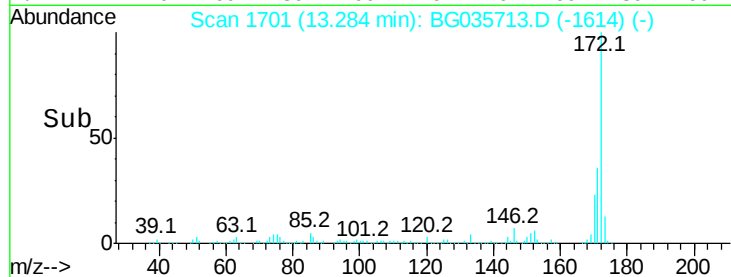
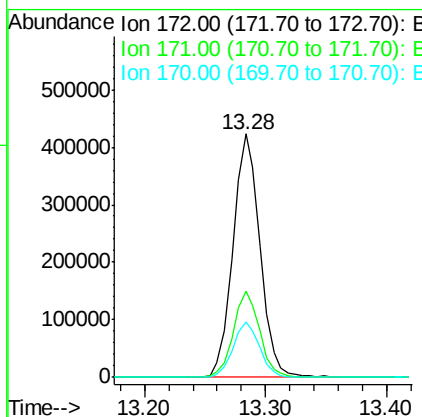
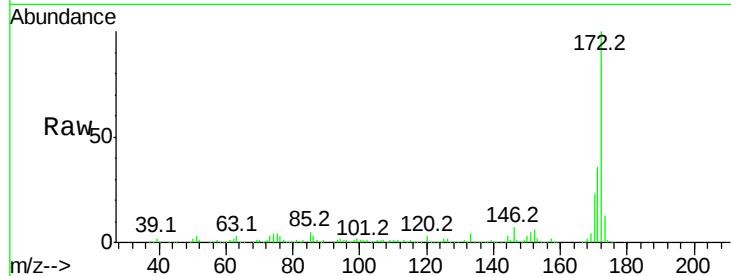




#44
 2-Fluorobiphenyl
 Concen: 79.712 ng
 RT: 13.28 min Scan# 1701
 Delta R.T. -0.02 min
 Lab File: BG035713.D
 Acq: 18 Jul 2018 11:40

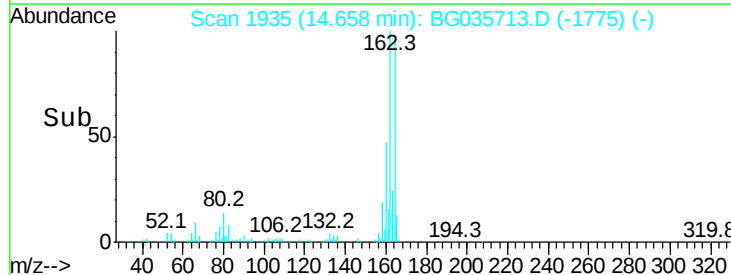
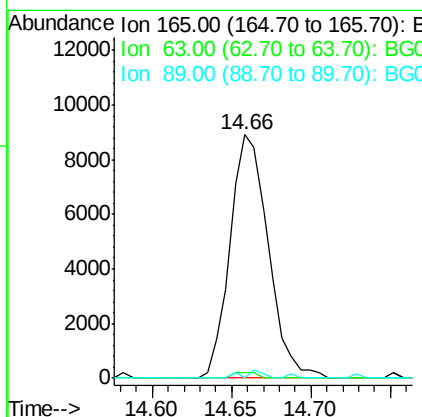
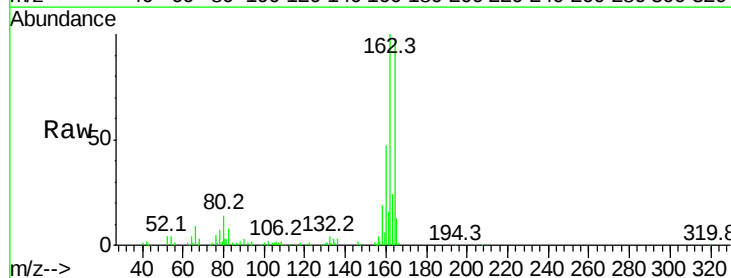
Instrument :
 BNA_G
 ClientSampled :

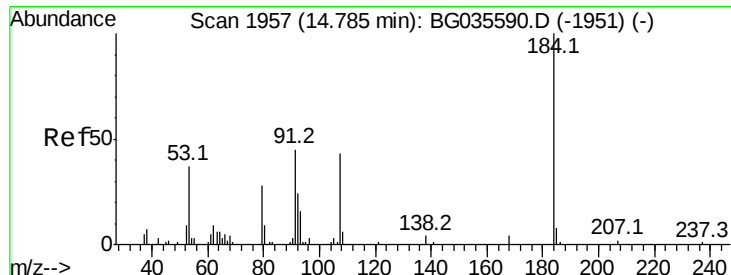
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	30.0	45.0
170	22.7	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.524 ng
 RT: 14.66 min Scan# 1935
 Delta R.T. 0.41 min
 Lab File: BG035713.D
 Acq: 18 Jul 2018 11:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	52.7	79.1#
89	0.0	49.2	73.8#

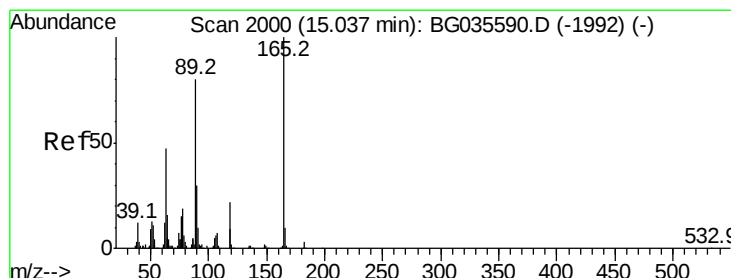
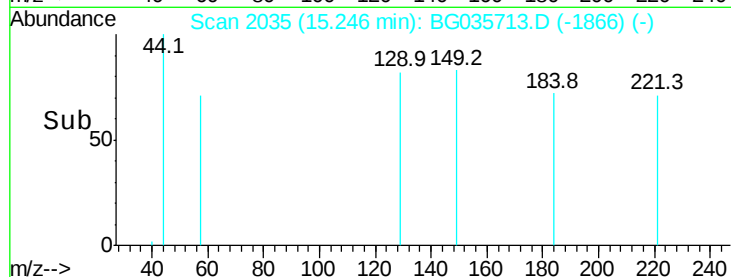
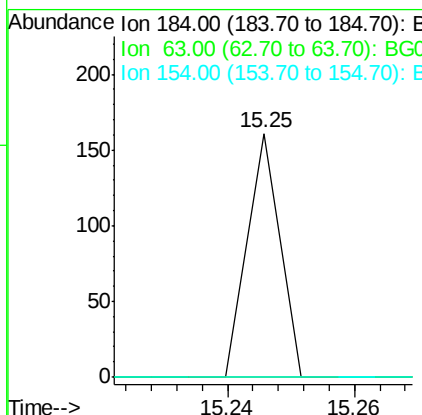
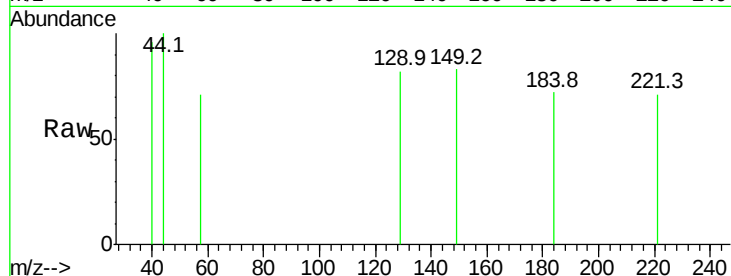




#53
 2,4-Dinitrophenol
 Concen: 6.634 ng
 RT: 15.25 min Scan# 2035
 Delta R.T. 0.46 min
 Lab File: BG035713.D
 Acq: 18 Jul 2018 11:40

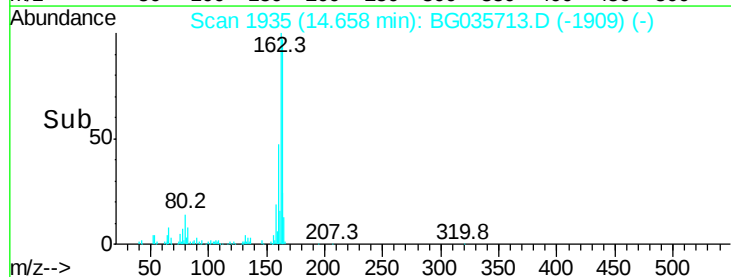
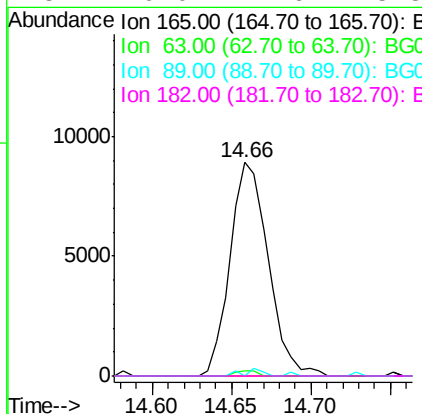
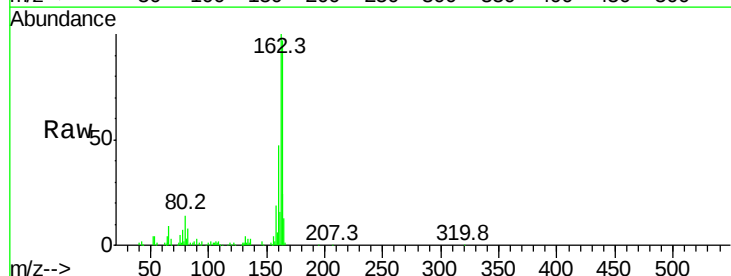
Instrument :
 BNA_G
 ClientSampleId :

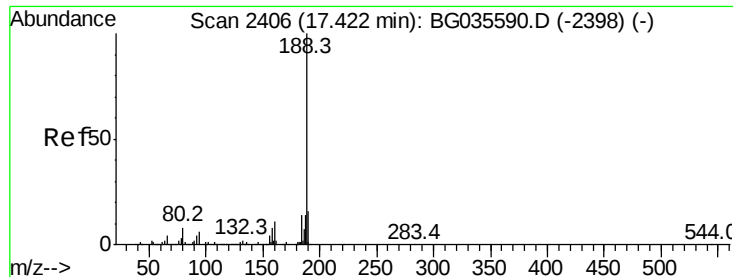
Tot Ion:184 Resp: 57
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.244 ng
 RT: 14.66 min Scan# 1935
 Delta R.T. -0.38 min
 Lab File: BG035713.D
 Acq: 18 Jul 2018 11:40

Tgt Ion:165 Resp: 14879
 Ion Ratio Lower Upper
 165 100
 63 2.5 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: 17.41 min Scan# 2403

Delta R.T. -0.01 min

Lab File: BG035713.D

Acq: 18 Jul 2018 11:40

Instrument :

BNA_G

ClientSampleId :

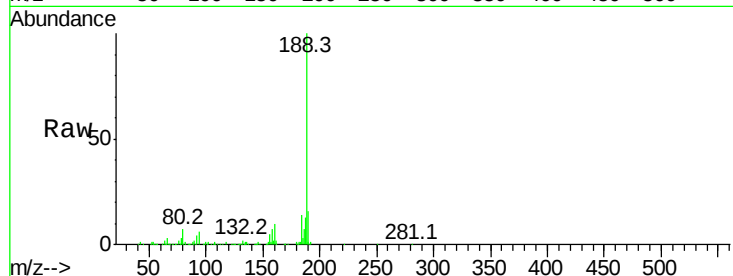
Tot Ion:188 Resp: 335070

Ion Ratio Lower Upper

188 100

94 5.9 6.9 10.3#

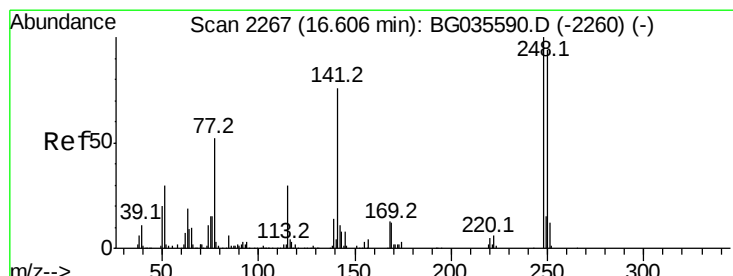
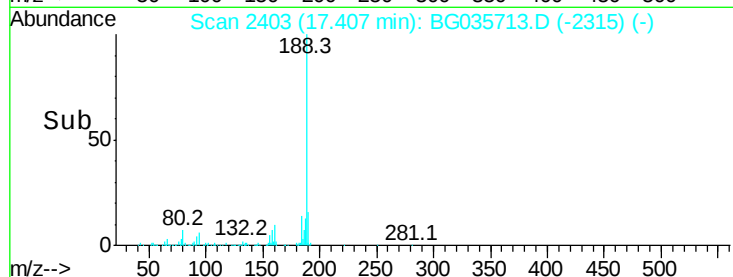
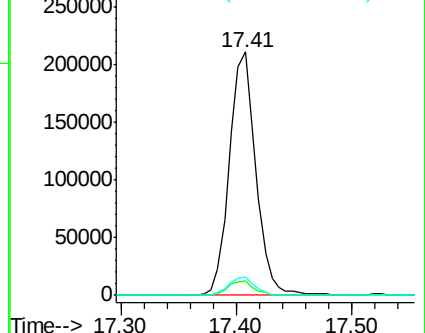
80 7.5 7.7 11.5#



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: 2.584 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.46 min

Lab File: BG035713.D

Acq: 18 Jul 2018 11:40

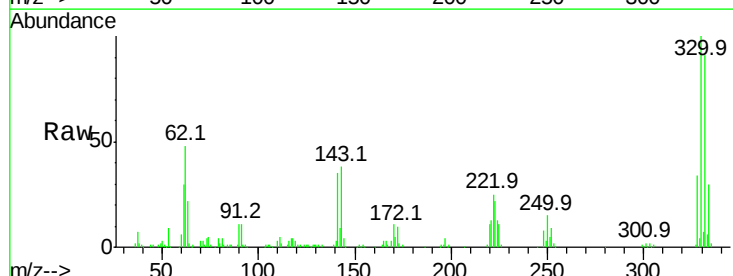
Tgt Ion:248 Resp: 10046

Ion Ratio Lower Upper

248 100

250 195.0 77.1 115.7#

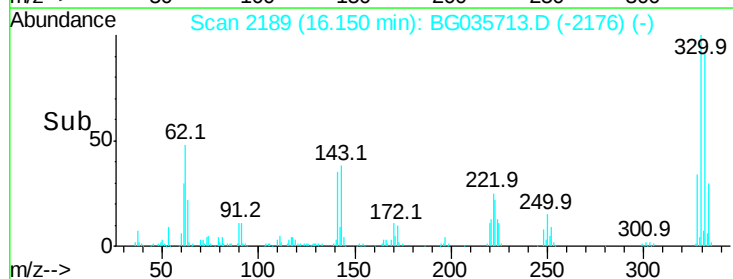
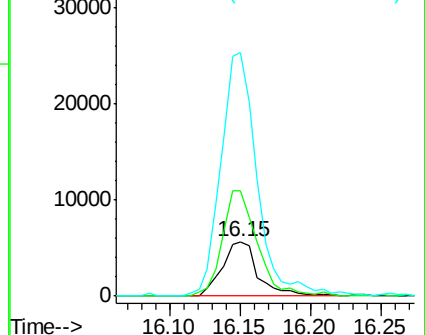
141 448.5 50.8 76.2#

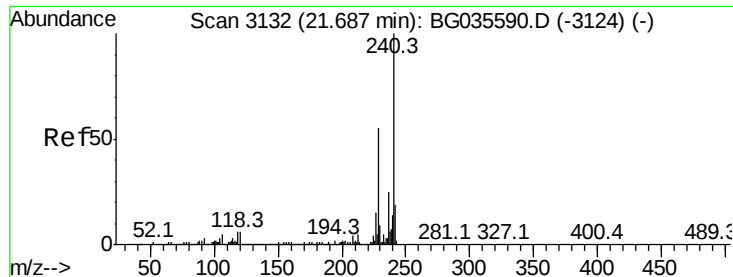


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.67 min Scan# 3129

Delta R.T. -0.01 min

Lab File: BG035713.D

Acq: 18 Jul 2018 11:40

Instrument :

BNA_G

ClientSampleId :

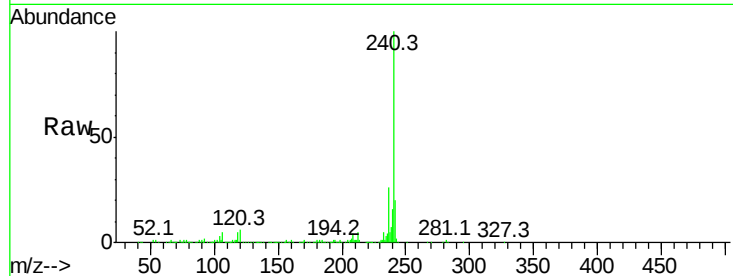
Tot Ion:240 Resp: 390772

Ion Ratio Lower Upper

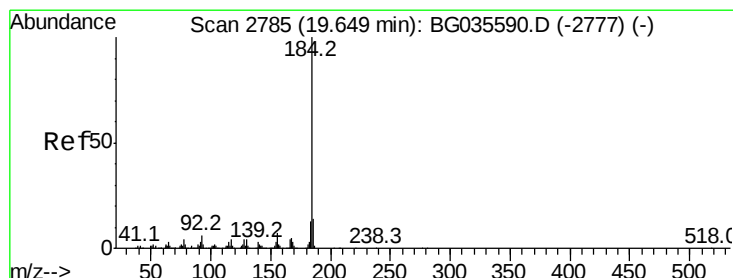
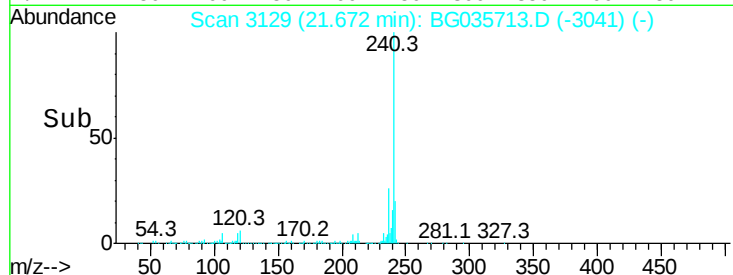
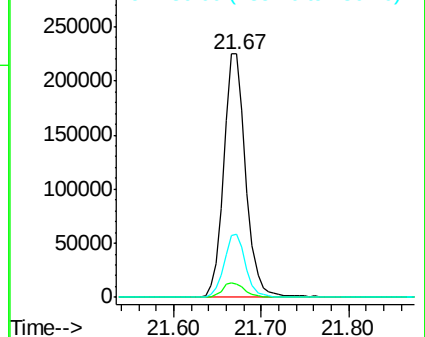
240 100

120 5.6 6.8 10.2#

236 26.1 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: 2.022 ng

RT: 20.01 min Scan# 2846

Delta R.T. 0.36 min

Lab File: BG035713.D

Acq: 18 Jul 2018 11:40

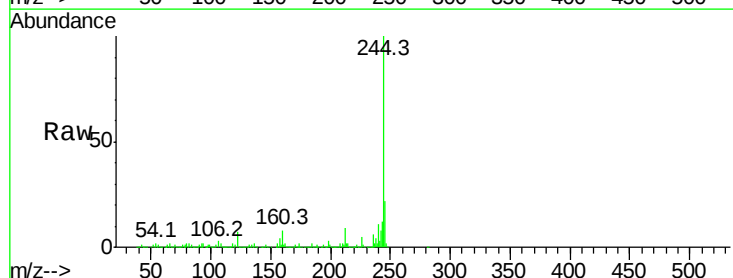
Tgt Ion:184 Resp: 20768

Ion Ratio Lower Upper

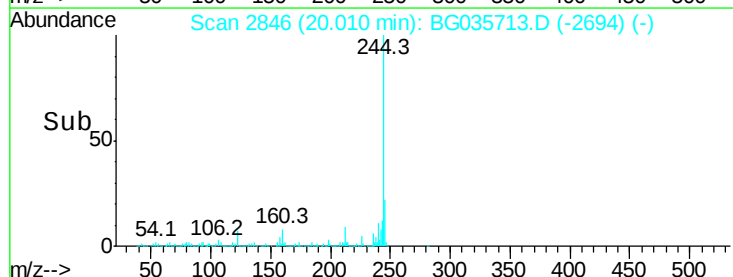
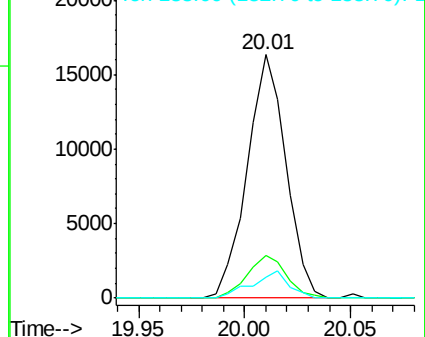
184 100

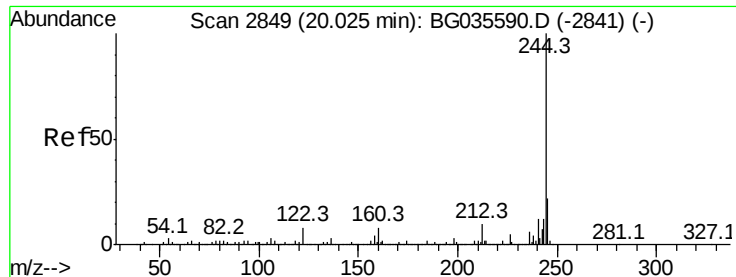
185 17.5 11.1 16.7#

183 8.3 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: 72.586 ng

RT: 20.01 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BG035713.D

Acq: 18 Jul 2018 11:40

Instrument :

BNA_G

ClientSampleId :

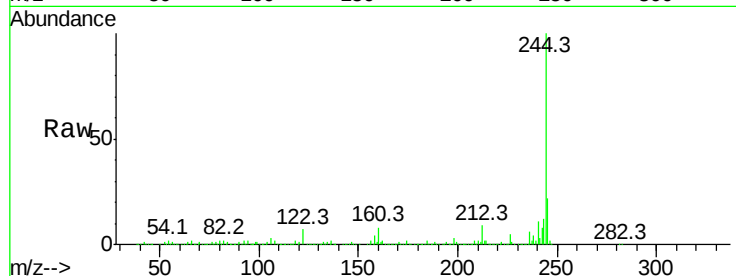
Tot Ion:244 Resp: 1286786

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

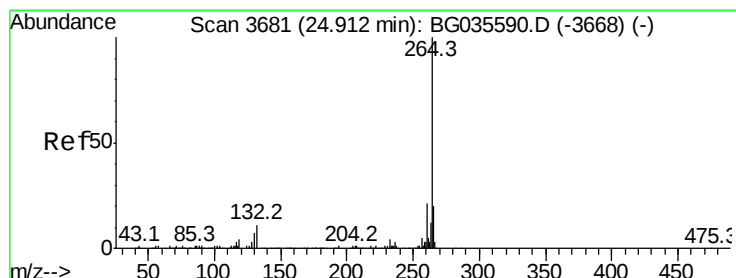
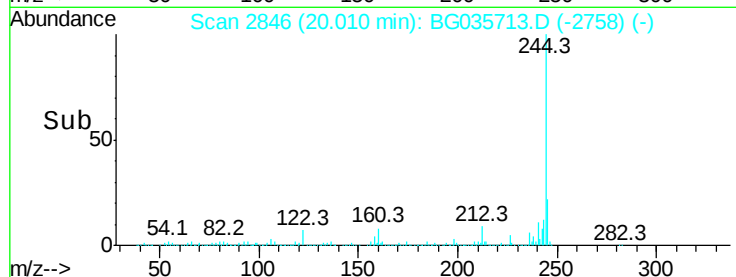
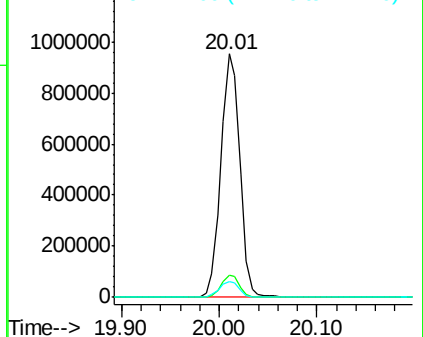
122 6.6 7.0 10.4#



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: 24.88 min Scan# 3675

Delta R.T. -0.03 min

Lab File: BG035713.D

Acq: 18 Jul 2018 11:40

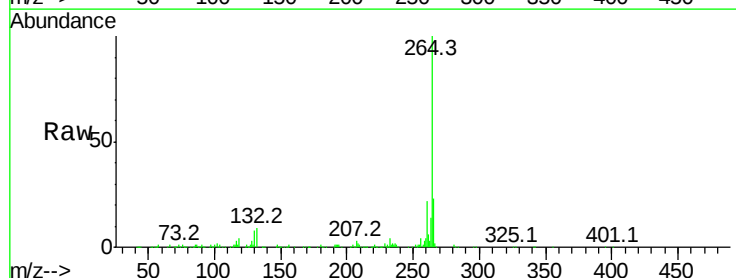
Tgt Ion:264 Resp: 372474

Ion Ratio Lower Upper

264 100

260 22.4 17.4 26.0

265 23.4 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

