

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080918\
 Data File : BG036258.D
 Acq On : 10 Aug 2018 8:01
 Operator : JU/SJ
 Sample : J4398-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 10 08:38:02 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 12:30:06 2018
 Response via : Initial Calibration

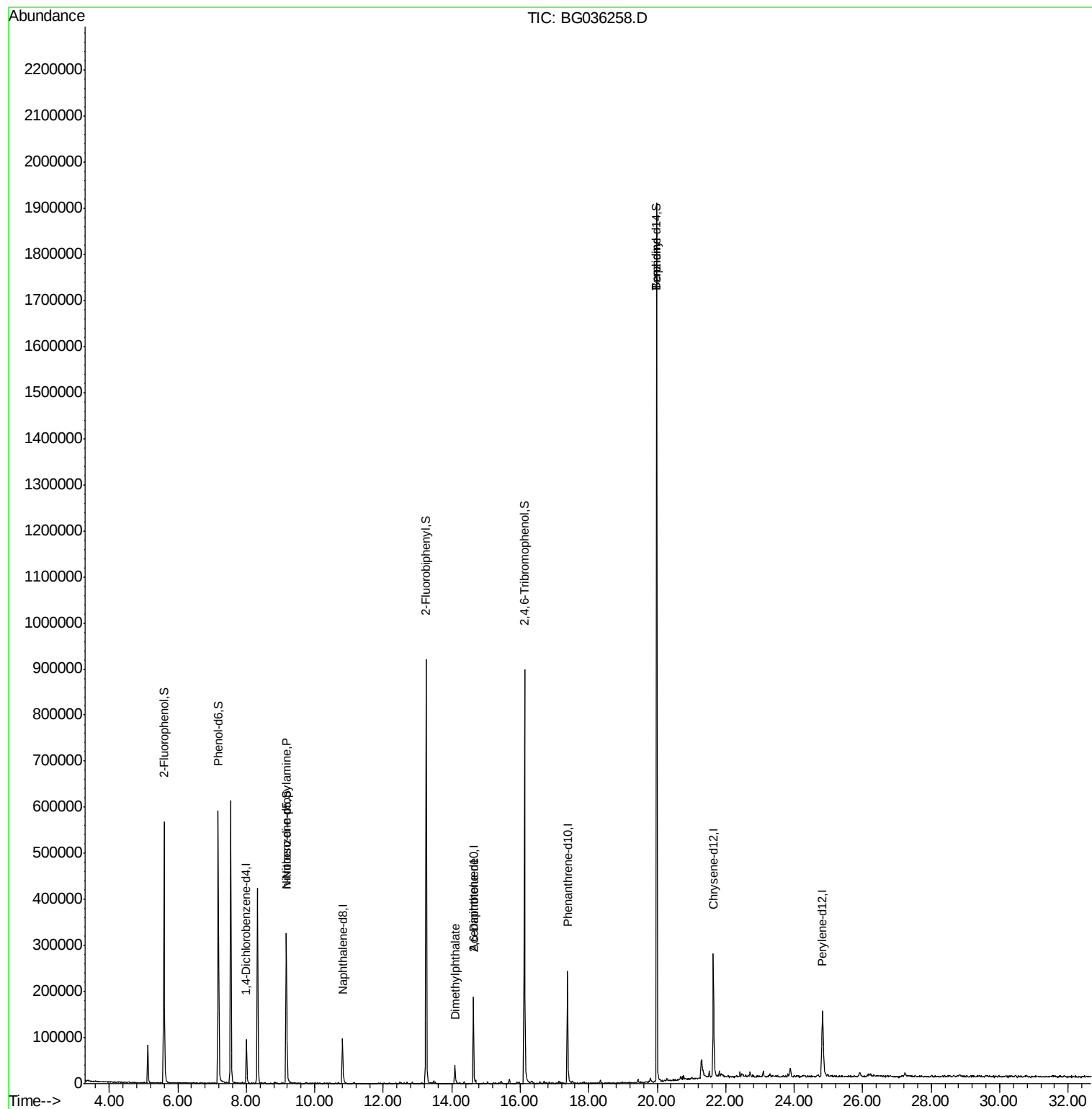
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	26461	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	96478	20.00	ng	-0.03
38) Acenaphthene-d10	14.63	164	71192	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	177947	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	190265	20.00	ng	-0.02
86) Perylene-d12	24.83	264	178304	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	252165	158.22	ng	0.00
7) Phenol-d6	7.18	99	373685	157.15	ng	-0.01
23) Nitrobenzene-d5	9.17	82	242054	104.81	ng	-0.02
41) 2,4,6-Tribromophenol	16.12	330	175992	187.55	ng	-0.02
44) 2-Fluorobiphenyl	13.25	172	526320	99.05	ng	-0.03
78) Terphenyl-d14	19.98	244	935400	108.37	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	34527	17.243	ng	# 70
49) Dimethylphthalate	14.09	163	35813	5.742	ng	# 97
50) 2,6-Dinitrotoluene	14.63	165	9050	7.125	ng	# 18
76) Benzidine	19.99	184	16105	3.220	ng	# 94

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

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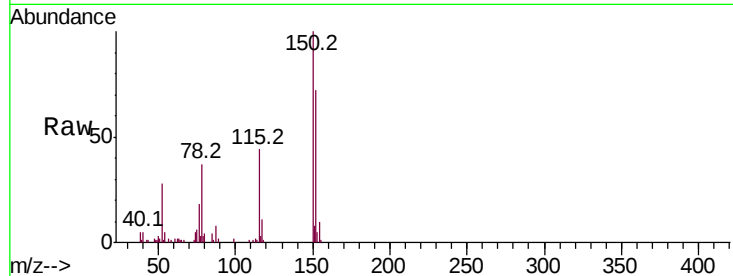


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 803
Delta R.T. -0.02 min
Lab File: BG036258.D
Acq: 10 Aug 2018 8:01

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.7	126.6	189.8
115	61.2	53.0	79.4

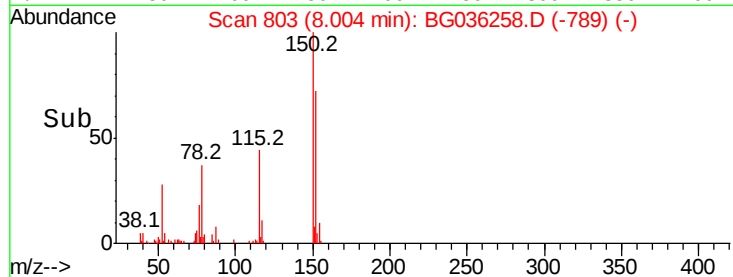
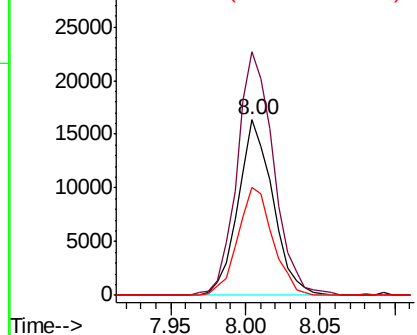


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

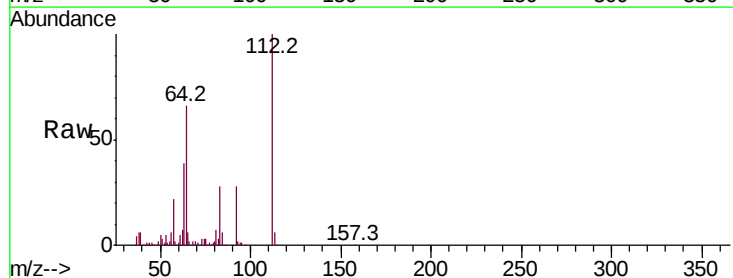
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 158.215 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036258.D
Acq: 10 Aug 2018 8:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.4	56.3	84.5
63	38.7	30.1	45.1

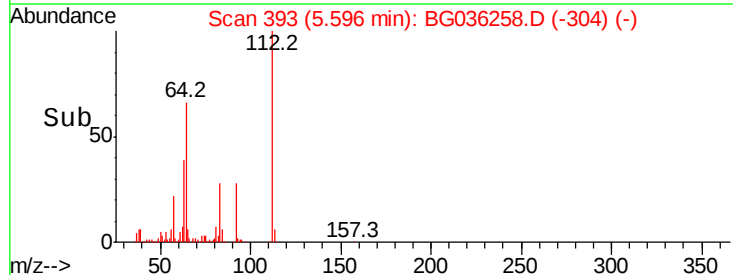
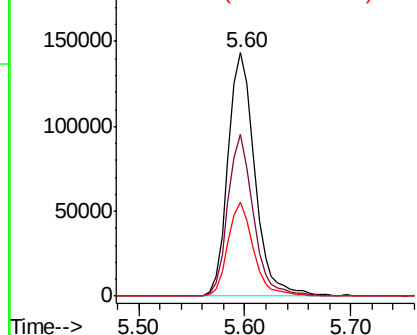


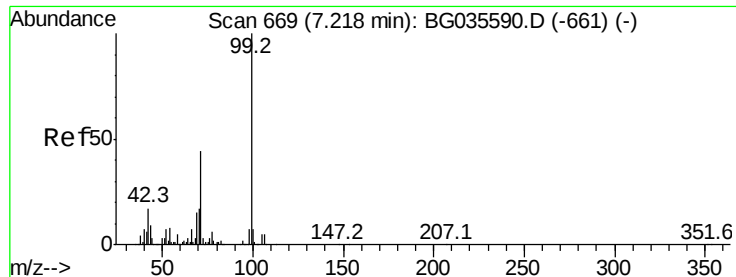
Abundance

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: 157.146 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036258.D

Acq: 10 Aug 2018 8:01

Instrument :

BNA_N

ClientSampleId :

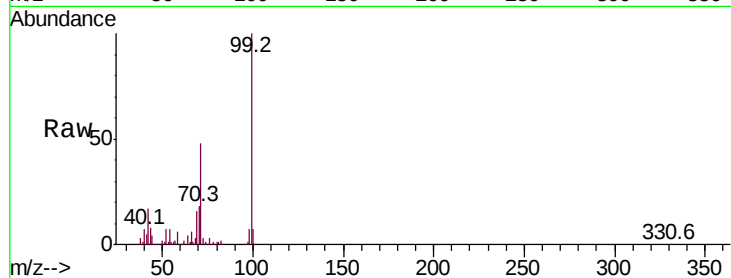
Tot Ion: 99 Resp: 373685

Ion Ratio Lower Upper

99 100

42 17.4 14.1 21.1

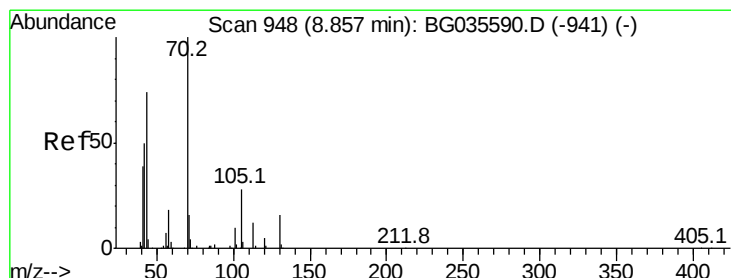
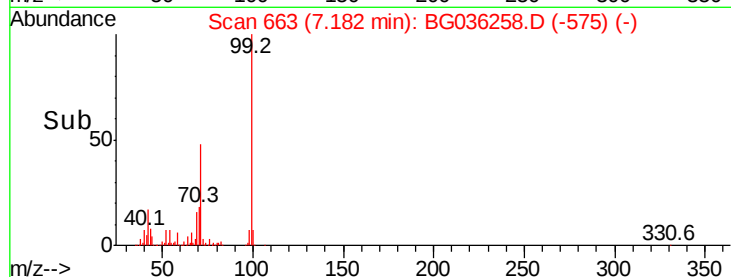
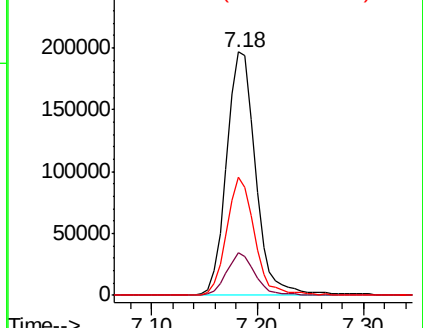
71 48.4 26.1 39.1#



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: 17.243 ng

RT: 9.17 min Scan# 1002

Delta R.T. 0.34 min

Lab File: BG036258.D

Acq: 10 Aug 2018 8:01

Tgt Ion: 70 Resp: 34527

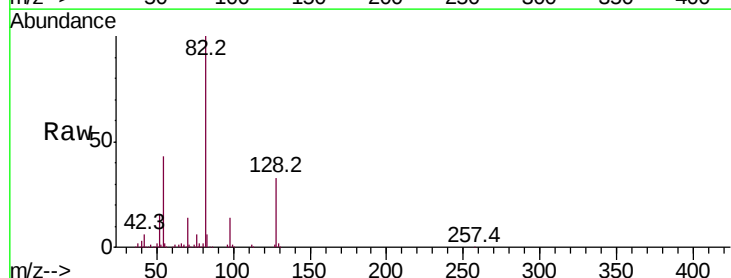
Ion Ratio Lower Upper

70 100

42 39.2 49.1 73.7#

101 0.0 8.5 12.7#

130 1.4 13.4 20.0#

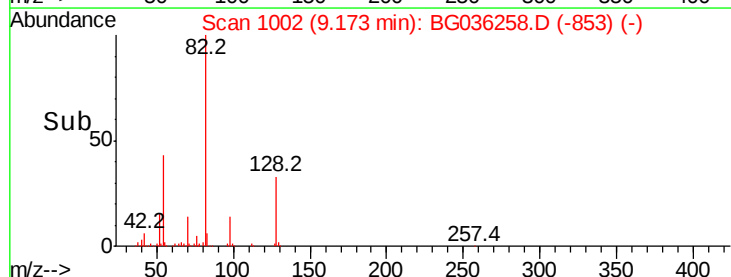
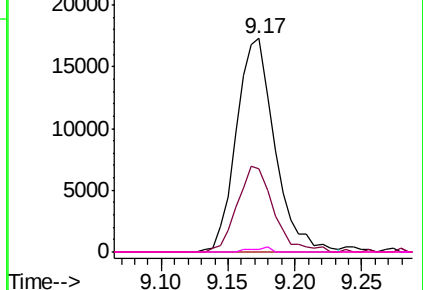


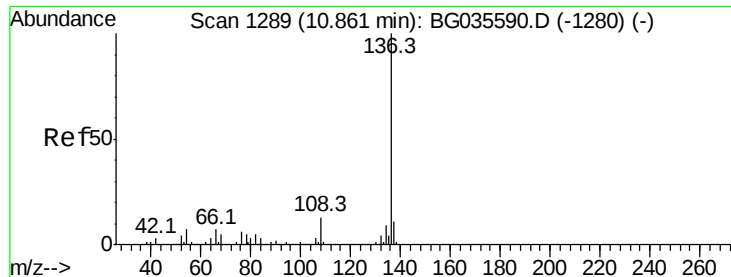
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.81 min Scan# 1280

Delta R.T. -0.03 min

Lab File: BG036258.D

Acq: 10 Aug 2018 8:01

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 96478

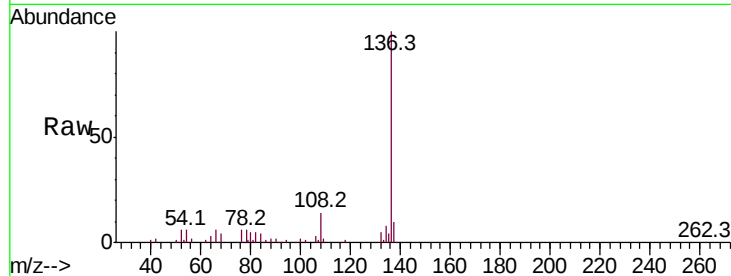
Ion Ratio Lower Upper

136 100

137 9.8 9.2 13.8

54 6.1 10.3 15.5#

68 4.5 4.5 6.7#

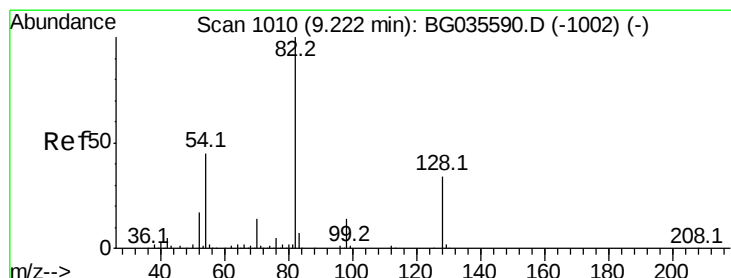
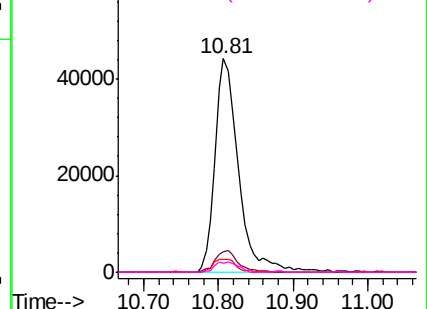
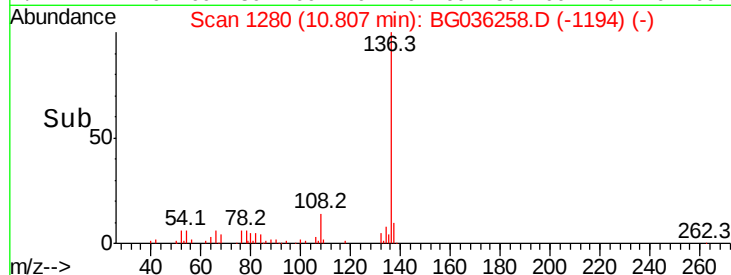


Abundance Ion 136.00 (135.70 to 136.70): E

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: 104.809 ng

RT: 9.17 min Scan# 1001

Delta R.T. -0.02 min

Lab File: BG036258.D

Acq: 10 Aug 2018 8:01

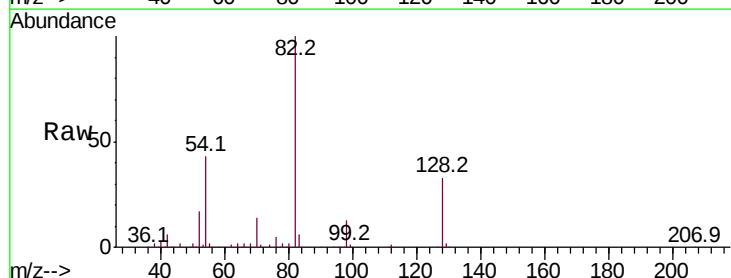
Tgt Ion: 82 Resp: 242054

Ion Ratio Lower Upper

82 100

128 33.3 29.7 44.5

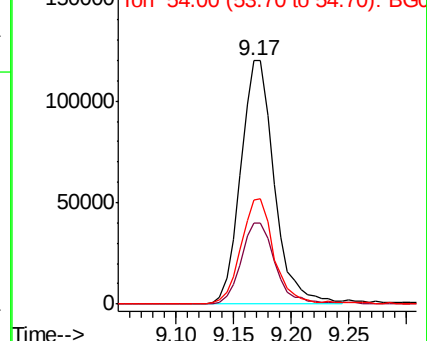
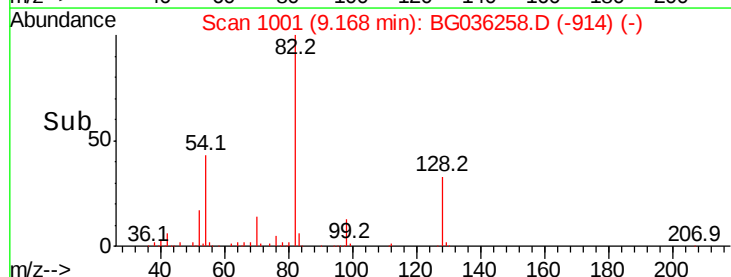
54 42.6 43.1 64.7#



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: 14.63 min Scan# 1931

Delta R.T. -0.02 min

Lab File: BG036258.D

Acq: 10 Aug 2018 8:01

Instrument :

BNA_N

ClientSampleId :

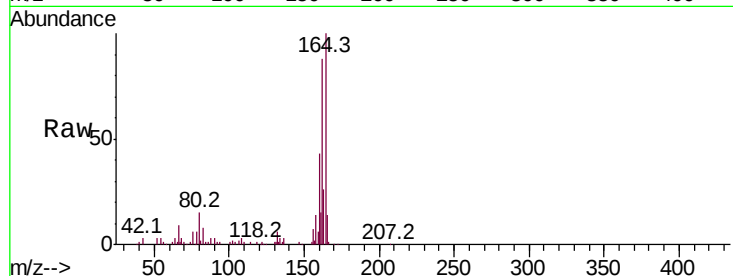
Tot Ion:164 Resp: 71192

Ion Ratio Lower Upper

164 100

162 88.5 78.8 118.2

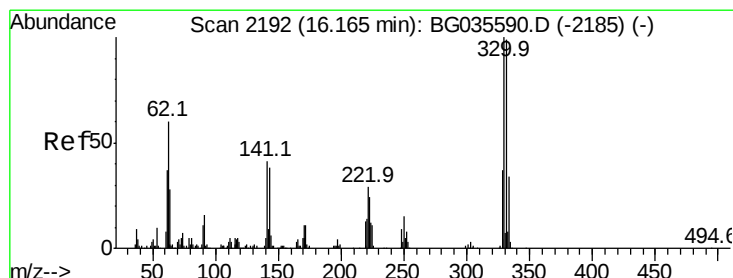
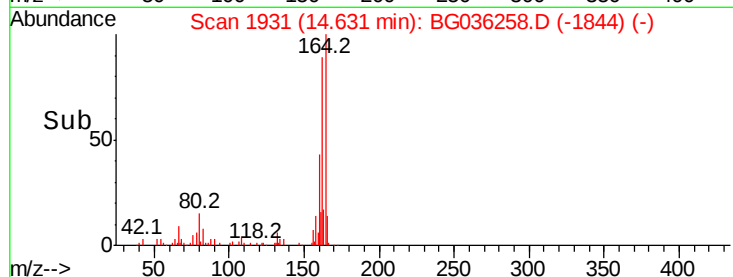
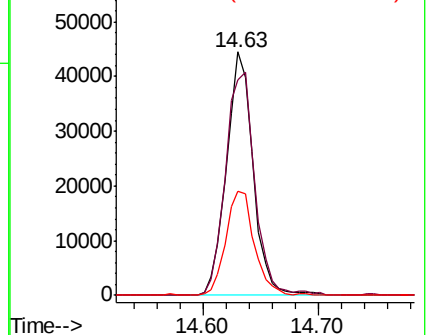
160 42.7 35.4 53.0



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: 187.553 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036258.D

Acq: 10 Aug 2018 8:01

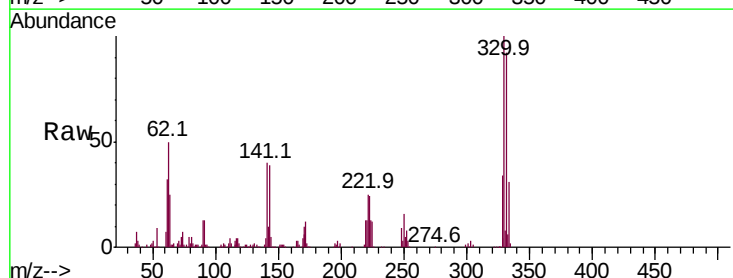
Tgt Ion:330 Resp: 175992

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

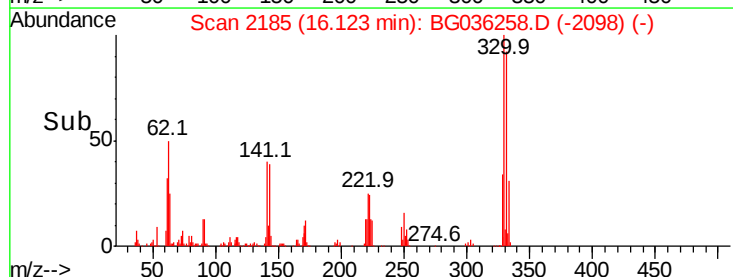
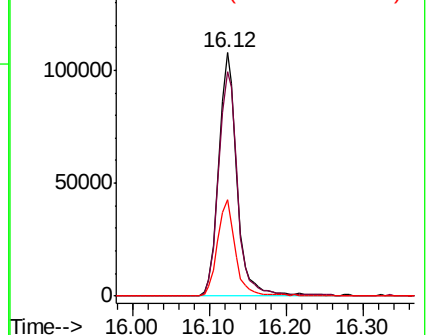
141 38.7 25.2 37.8#

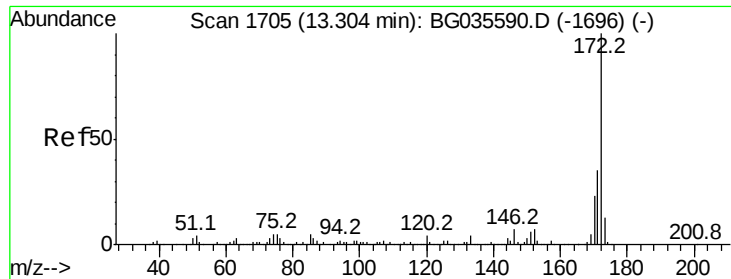


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

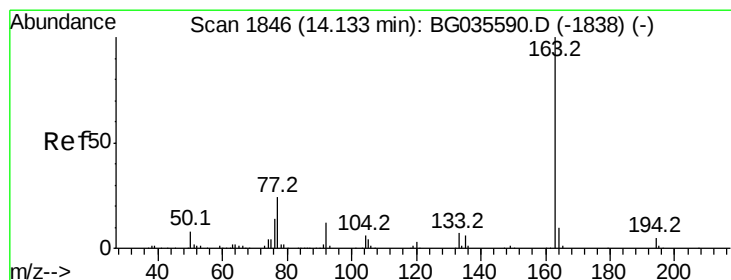
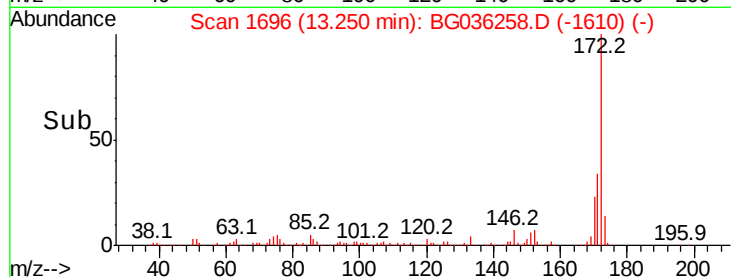
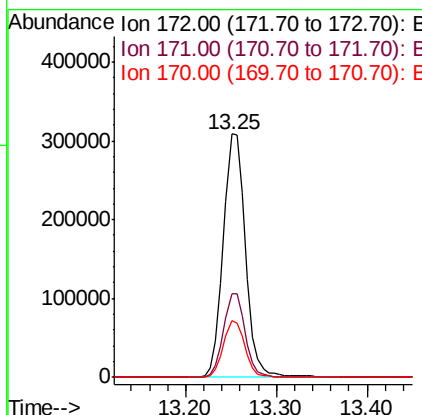
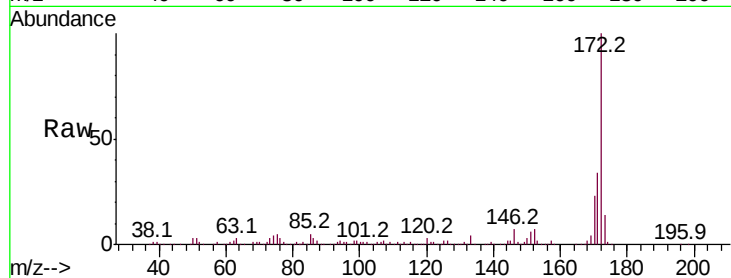




#44
2-Fluorobiphenyl
Concen: 99.047 ng
RT: 13.25 min Scan# 1696
Delta R.T. -0.03 min
Lab File: BG036258.D
Acq: 10 Aug 2018 8:01

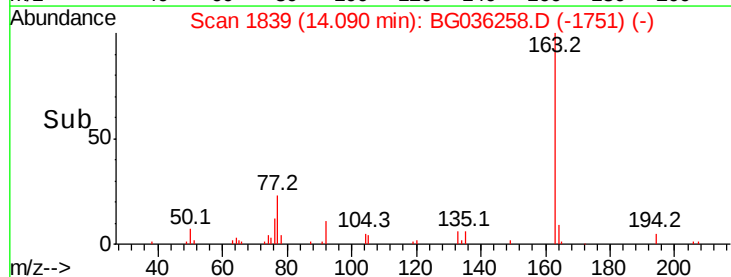
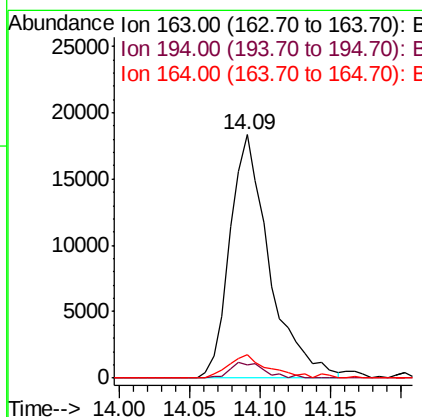
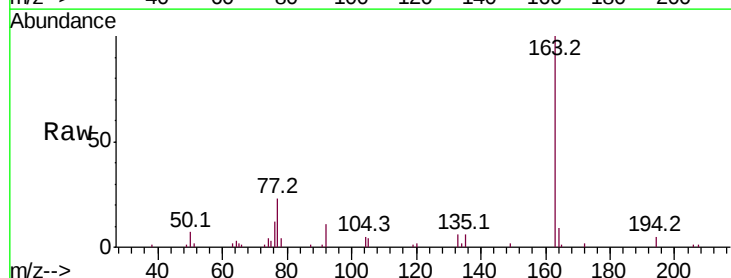
Instrument :
BNA_N
ClientSampleId :

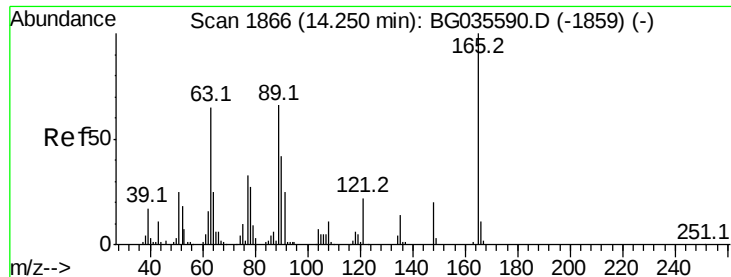
Tot Ion:172 Resp: 526320
Ion Ratio Lower Upper
172 100
171 34.3 30.0 45.0
170 23.4 19.5 29.3



#49
Dimethylphthalate
Concen: 5.742 ng
RT: 14.09 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BG036258.D
Acq: 10 Aug 2018 8:01

Tgt Ion:163 Resp: 35813
Ion Ratio Lower Upper
163 100
194 5.4 3.4 5.2#
164 9.4 8.2 12.4

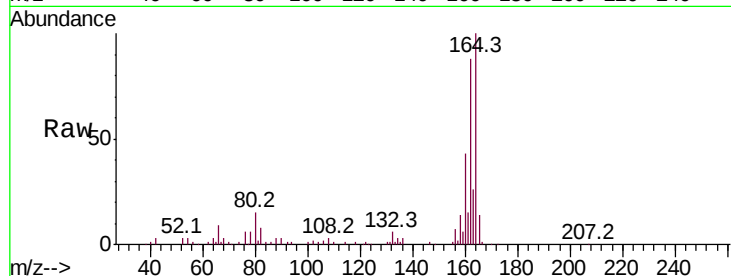




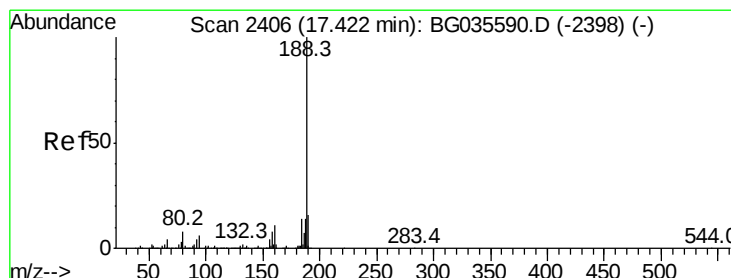
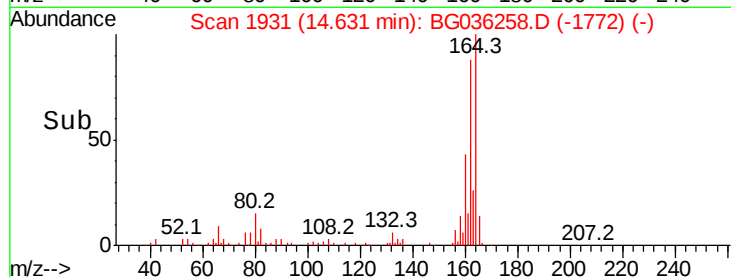
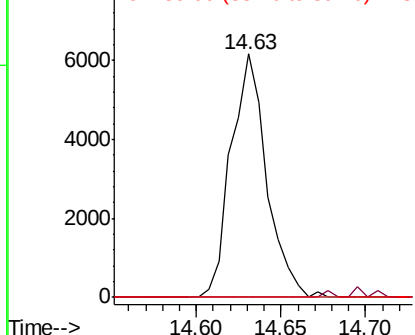
#50
 2,6-Dinitrotoluene
 Concen: 7.125 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. 0.40 min
 Lab File: BG036258.D
 Acq: 10 Aug 2018 8:01

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:165 Resp: 9050
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

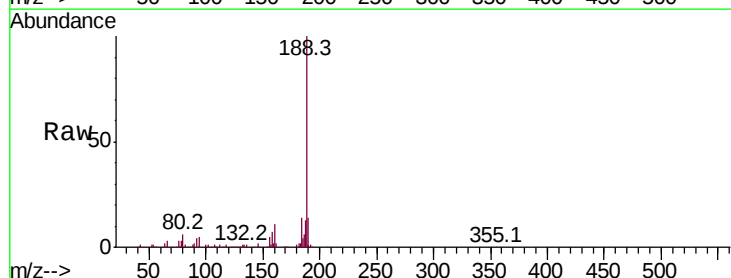


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

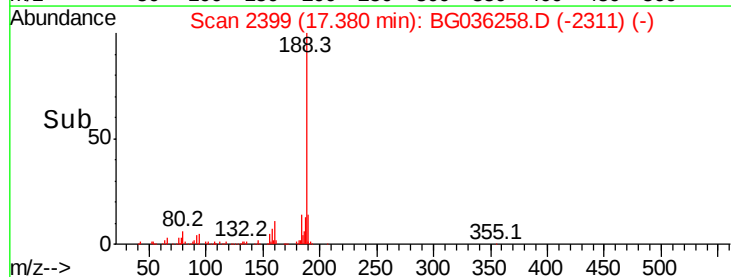
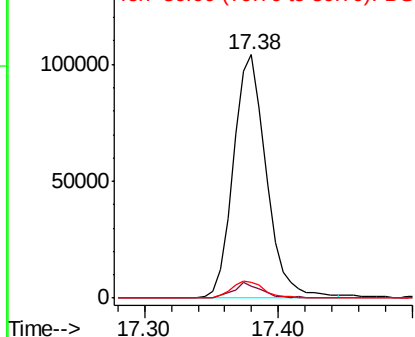


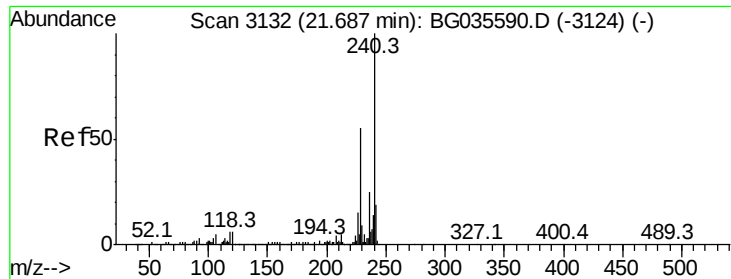
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2399
 Delta R.T. -0.01 min
 Lab File: BG036258.D
 Acq: 10 Aug 2018 8:01

Tgt Ion:188 Resp: 177947
 Ion Ratio Lower Upper
 188 100
 94 4.8 6.9 10.3#
 80 6.4 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036258.D

Acq: 10 Aug 2018 8:01

Instrument :

BNA_N

ClientSampled :

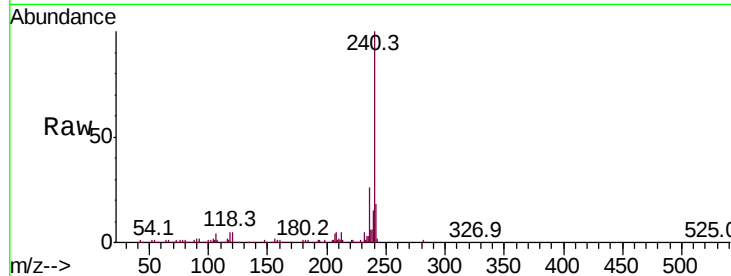
Tot Ion:240 Resp: 190265

Ion Ratio Lower Upper

240 100

120 4.7 6.8 10.2#

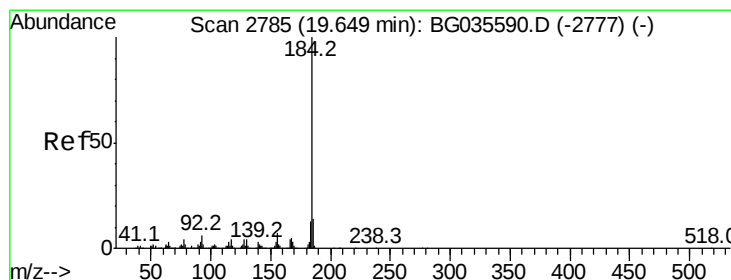
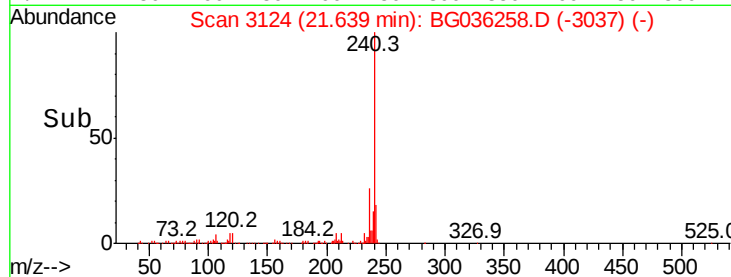
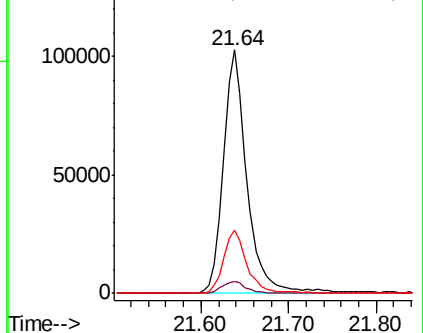
236 26.1 20.9 31.3



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: 3.220 ng

RT: 19.99 min Scan# 2843

Delta R.T. 0.36 min

Lab File: BG036258.D

Acq: 10 Aug 2018 8:01

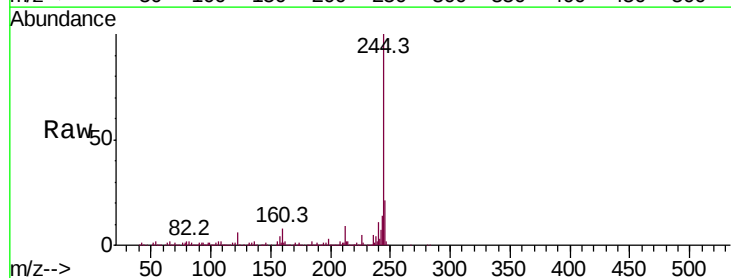
Tgt Ion:184 Resp: 16105

Ion Ratio Lower Upper

184 100

185 17.9 11.1 16.7#

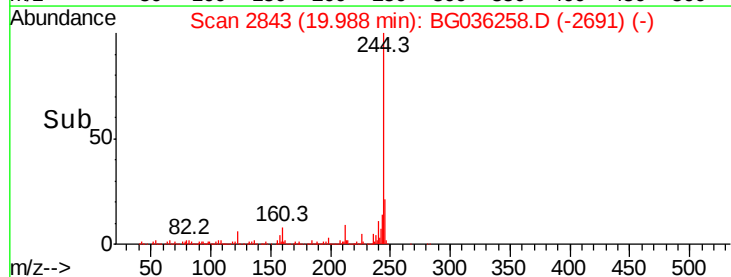
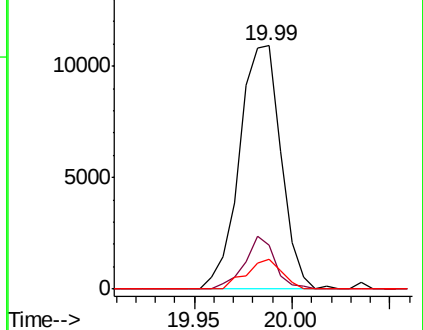
183 12.2 10.6 16.0

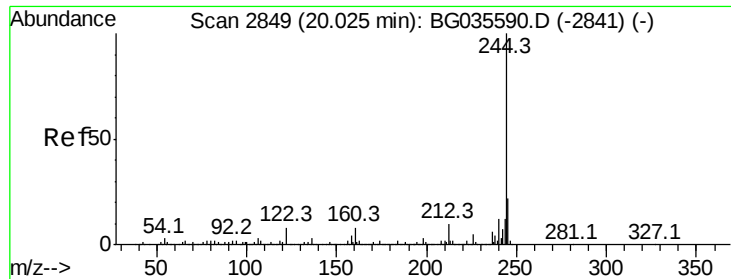


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 108.370 ng

RT: 19.98 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036258.D

Acq: 10 Aug 2018 8:01

Instrument :

BNA_N

ClientSampled :

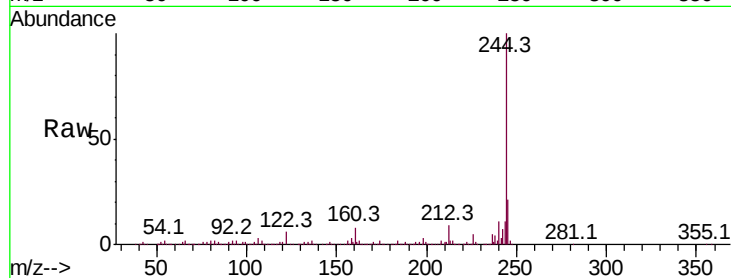
Tot Ion:244 Resp: 935400

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

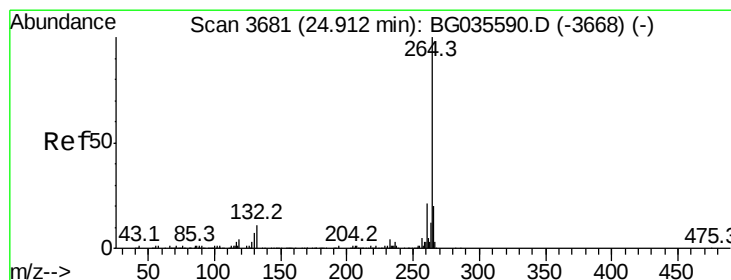
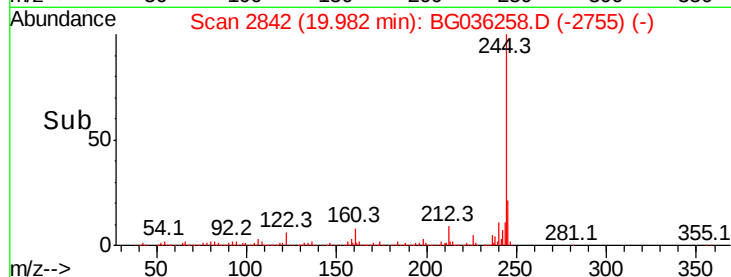
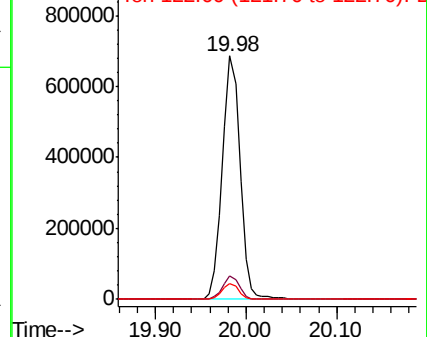
122 6.4 7.0 10.4#



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: 24.83 min Scan# 3667

Delta R.T. -0.03 min

Lab File: BG036258.D

Acq: 10 Aug 2018 8:01

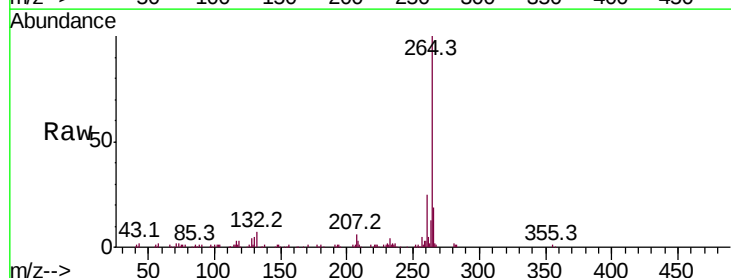
Tgt Ion:264 Resp: 178304

Ion Ratio Lower Upper

264 100

260 25.2 17.4 26.0

265 18.9 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

