

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080918\
 Data File : BG036240.D
 Acq On : 9 Aug 2018 19:35
 Operator : JU/SJ
 Sample : J4379-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-103S

Quant Time: Aug 10 05:13:31 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

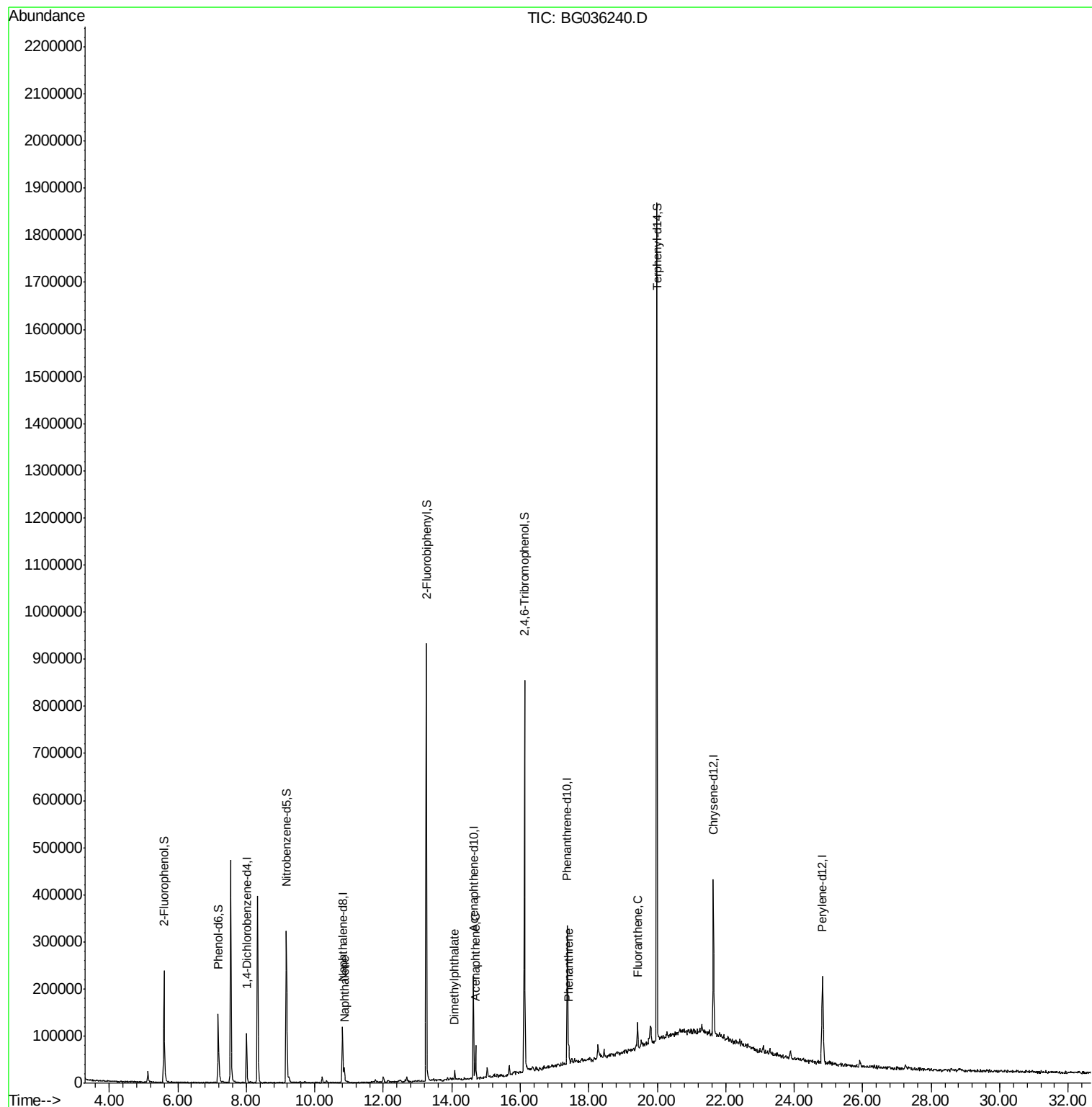
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	30450	20.00	ng	-0.01
21) Naphthalene-d8	10.81	136	113335	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	76525	20.00	ng	-0.02
63) Phenanthrene-d10	17.37	188	191091	20.00	ng	-0.02
75) Chrysene-d12	21.64	240	206568	20.00	ng	-0.02
86) Perylene-d12	24.82	264	202590	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	111389	60.73	ng	0.00
7) Phenol-d6	7.18	99	99419	36.33	ng	-0.01
23) Nitrobenzene-d5	9.17	82	242460	89.37	ng	-0.01
41) 2,4,6-Tribromophenol	16.12	330	158111	156.76	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	525193	91.95	ng	-0.02
78) Terphenyl-d14	19.99	244	878443	93.74	ng	-0.01
Target Compounds						
31) Naphthalene	10.87	128	24743	4.191	ng	# 94
49) Dimethylphthalate	14.08	163	14059	2.097	ng	# 96
51) Acenaphthene	14.70	154	26120	5.424	ng	97
70) Phenanthrene	17.42	178	19733	2.070	ng	# 92
74) Fluoranthene	19.43	202	35994	2.802	ng	97

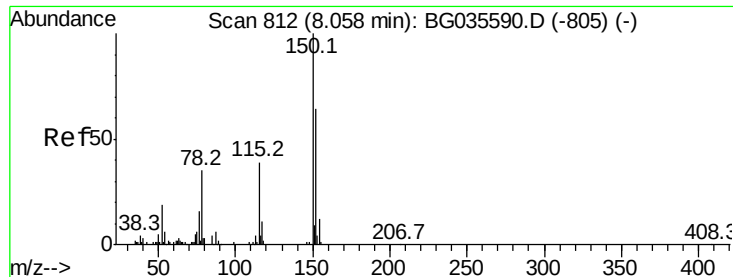
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.01 min

Lab File: BG036240.D

Acq: 9 Aug 2018 19:35

Instrument :

BNA_G

ClientSampleId :

MW-103S

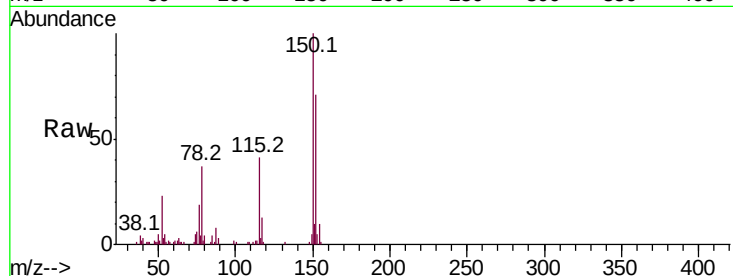
Tot Ion:152 Resp: 30450

Ion Ratio Lower Upper

152 100

150 140.4 126.6 189.8

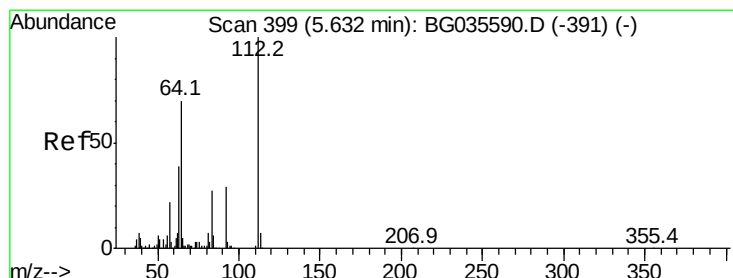
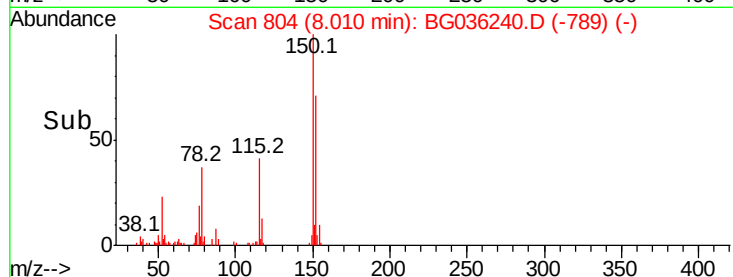
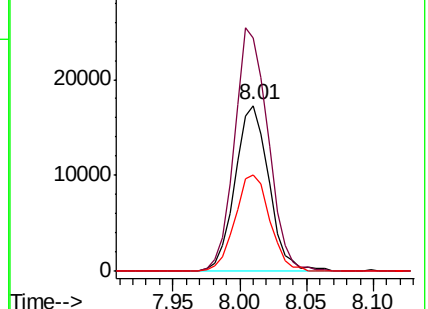
115 58.0 53.0 79.4



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: 60.733 ng

RT: 5.60 min Scan# 393

Delta R.T. -0.01 min

Lab File: BG036240.D

Acq: 9 Aug 2018 19:35

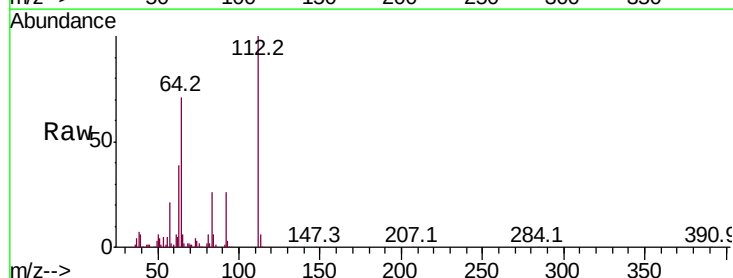
Tgt Ion:112 Resp: 111389

Ion Ratio Lower Upper

112 100

64 71.5 56.3 84.5

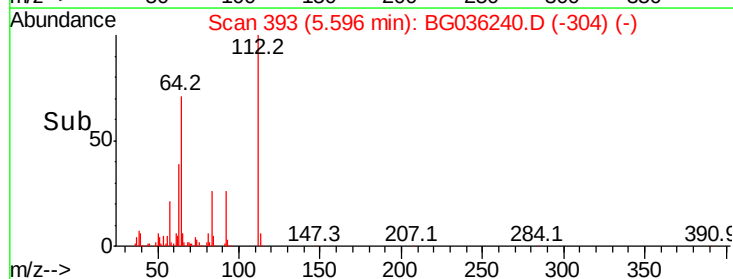
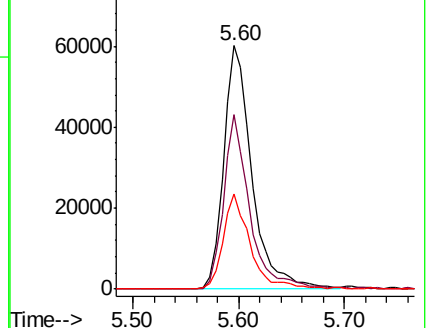
63 39.3 30.1 45.1

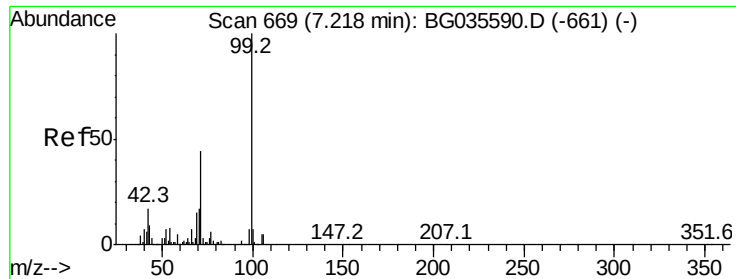


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 36.332 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036240.D

Acq: 9 Aug 2018 19:35

Instrument :

BNA_G

ClientSampleId :

MW-103S

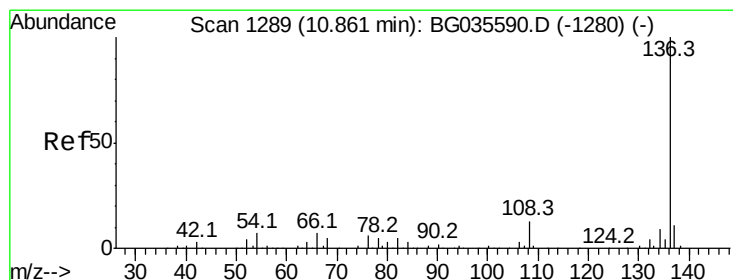
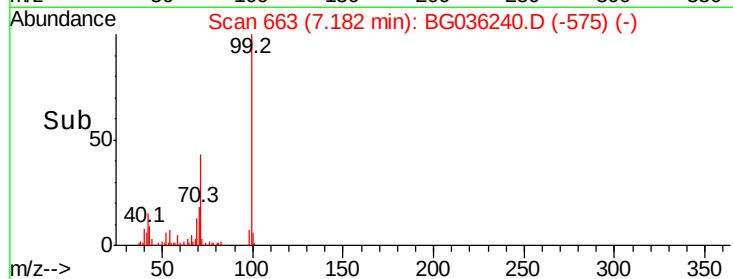
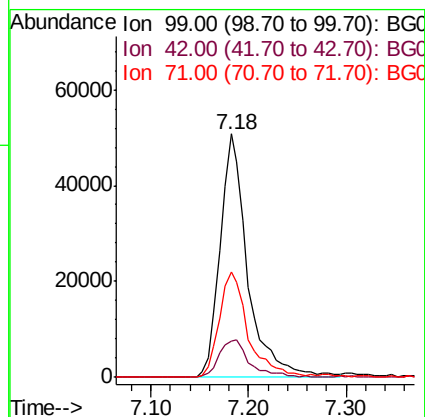
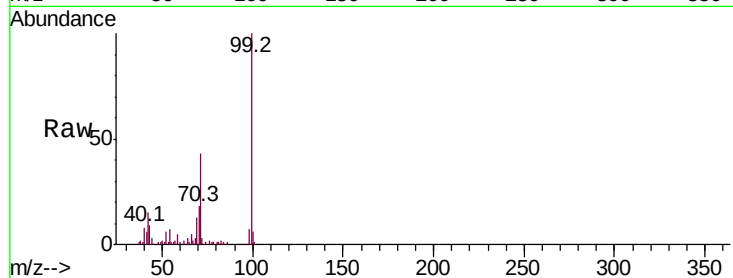
Tot Ion: 99 Resp: 99419

Ion Ratio Lower Upper

99 100

42 14.7 14.1 21.1

71 43.2 26.1 39.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.81 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BG036240.D

Acq: 9 Aug 2018 19:35

Tgt Ion: 136 Resp: 113335

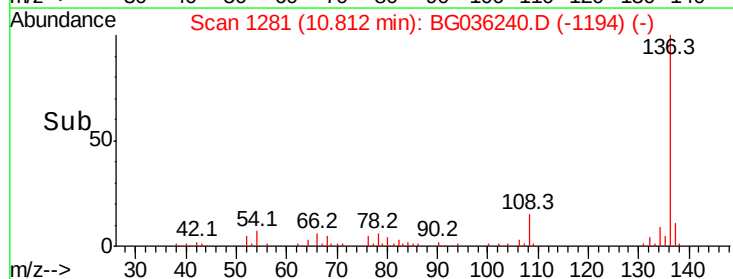
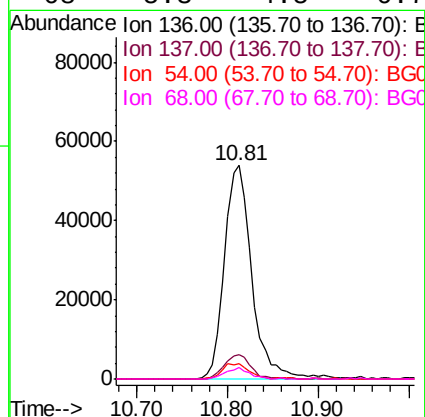
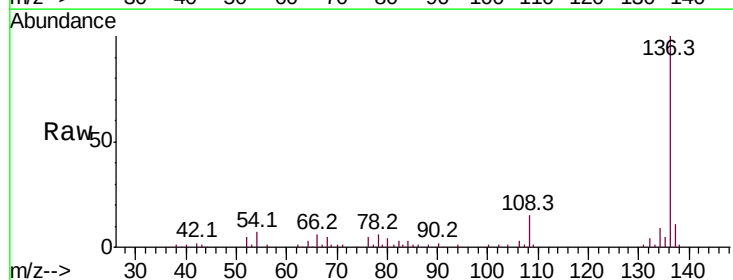
Ion Ratio Lower Upper

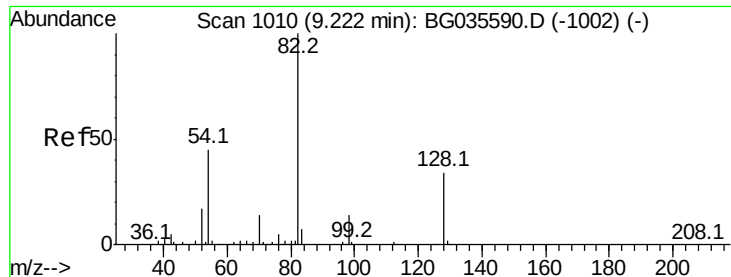
136 100

137 11.2 9.2 13.8

54 7.0 10.3 15.5#

68 5.3 4.5 6.7





#23

Nitrobenzene-d5

Concen: 89.370 ng

RT: 9.17 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BG036240.D

Acq: 9 Aug 2018 19:35

Instrument :

BNA_G

ClientSampleId :

MW-103S

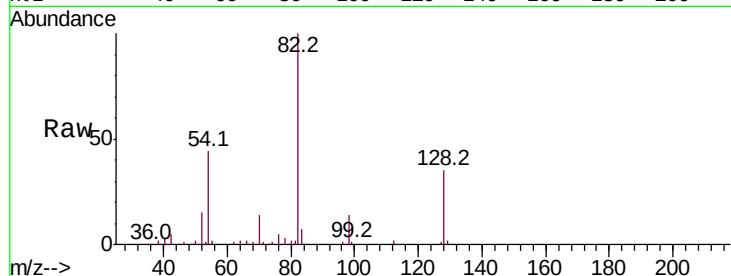
Tot Ion: 82 Resp: 242460

Ion Ratio Lower Upper

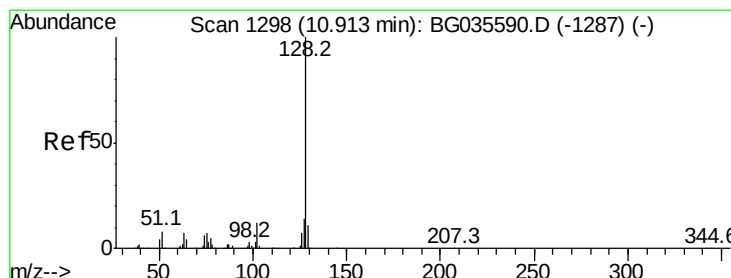
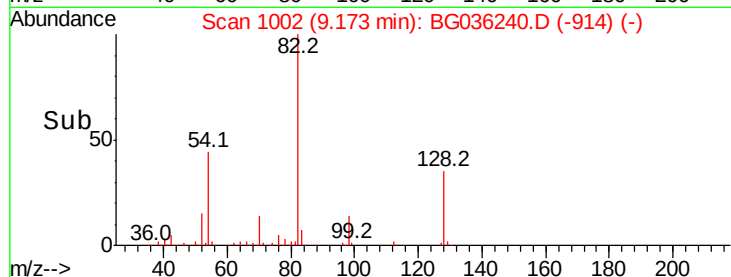
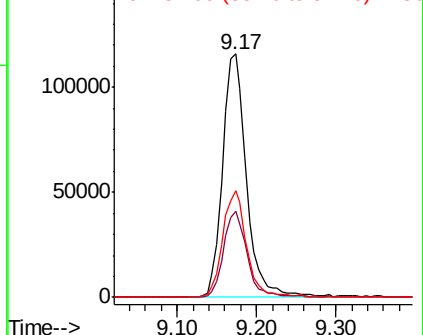
82 100

128 35.3 29.7 44.5

54 44.0 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



#31

Naphthalene

Concen: 4.191 ng

RT: 10.87 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BG036240.D

Acq: 9 Aug 2018 19:35

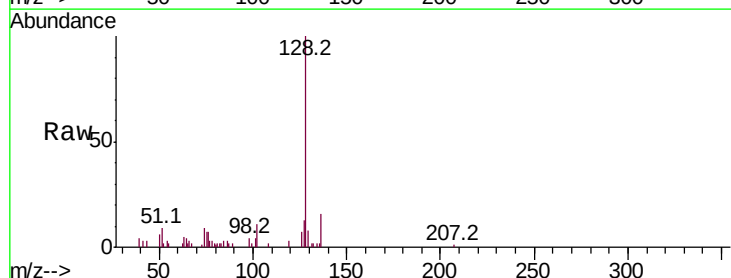
Tgt Ion:128 Resp: 24743

Ion Ratio Lower Upper

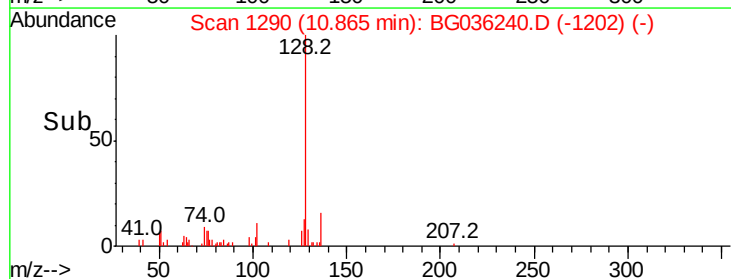
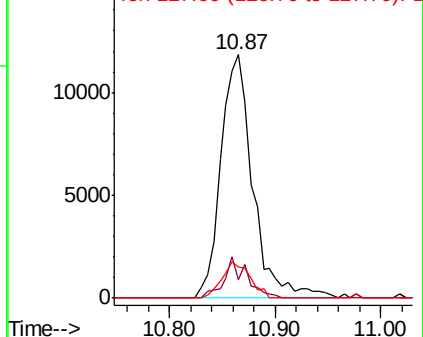
128 100

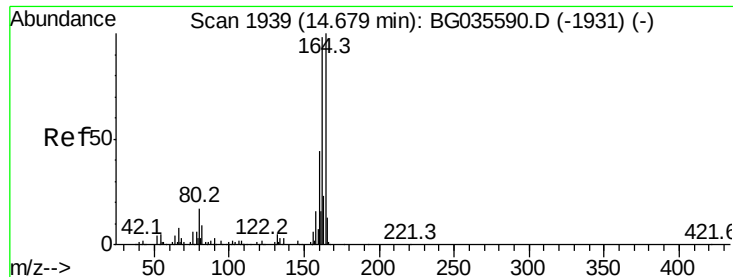
129 7.5 8.6 12.8#

127 12.8 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1931

Delta R.T. -0.02 min

Lab File: BG036240.D

Acq: 9 Aug 2018 19:35

Instrument :

BNA_G

ClientSampleId :

MW-103S

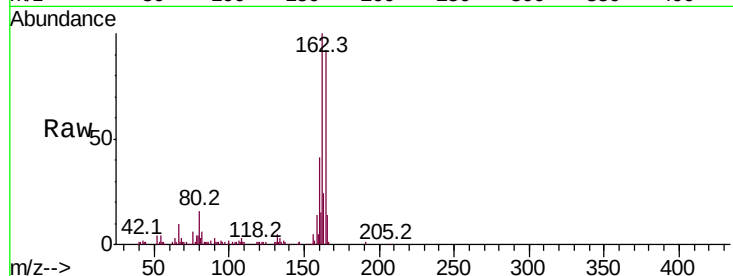
Tot Ion:164 Resp: 76525

Ion Ratio Lower Upper

164 100

162 108.2 78.8 118.2

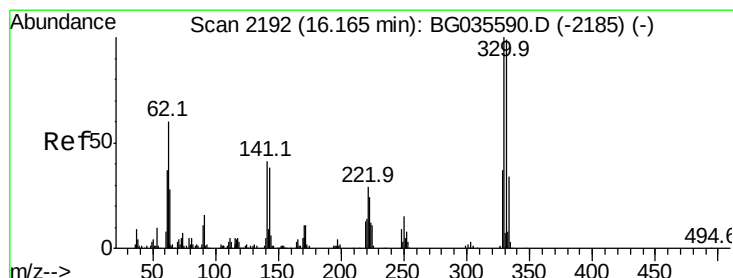
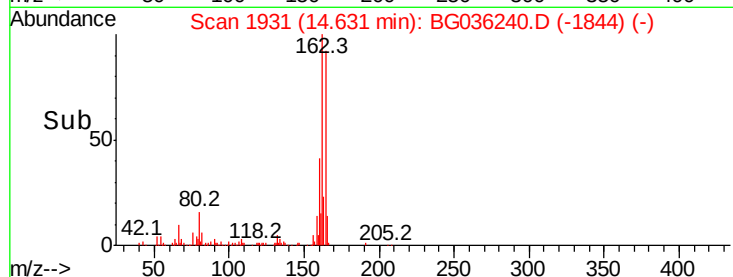
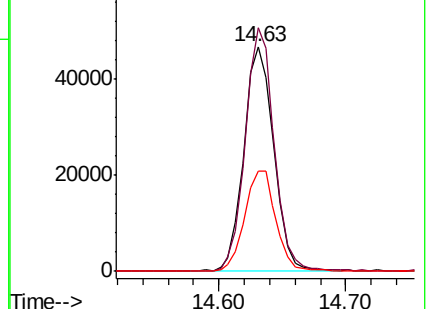
160 44.7 35.4 53.0



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: 156.755 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036240.D

Acq: 9 Aug 2018 19:35

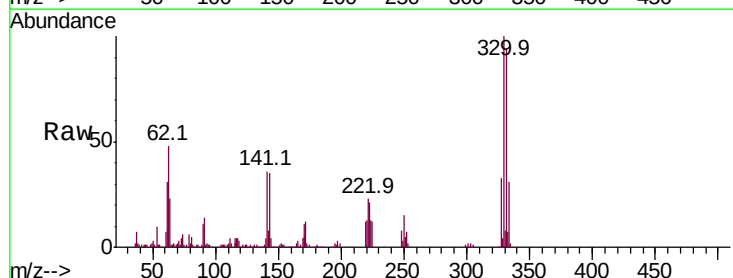
Tgt Ion:330 Resp: 158111

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

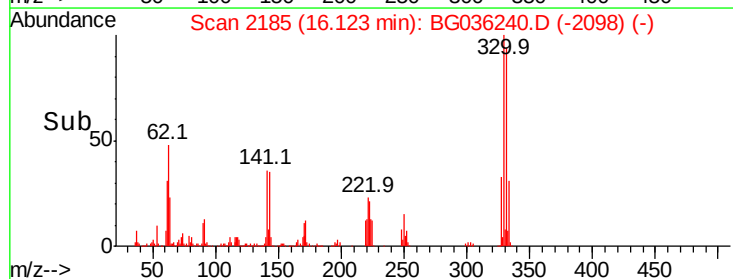
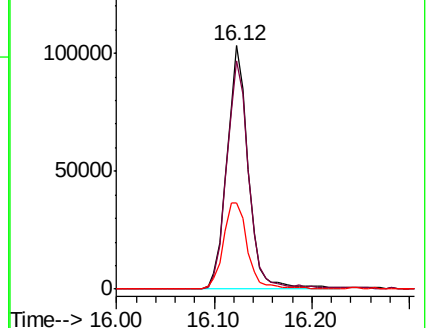
141 40.0 25.2 37.8#

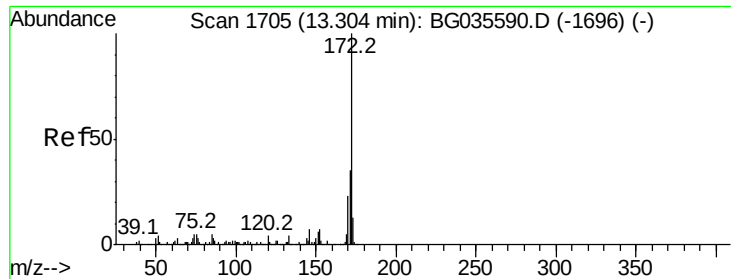


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

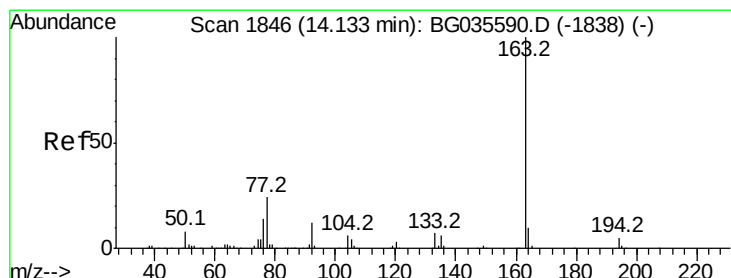
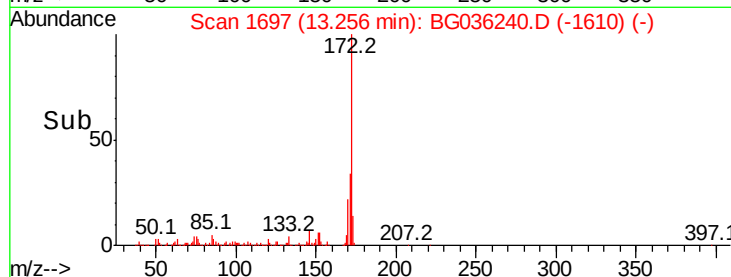
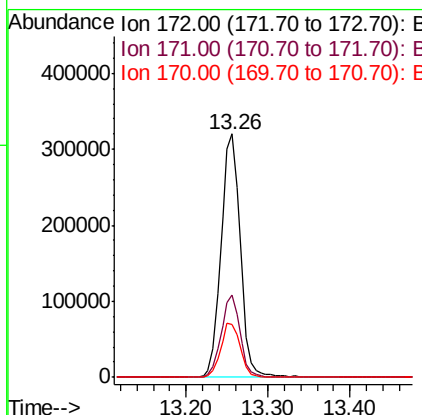
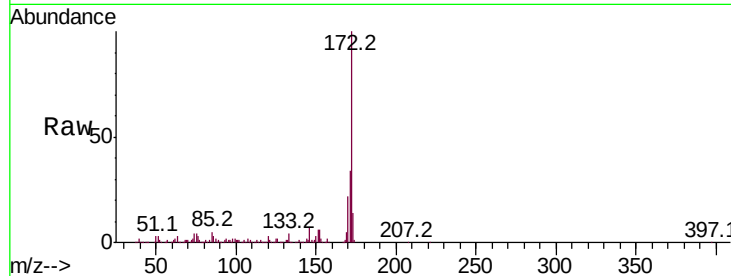




#44
2-Fluorobiphenyl
Concen: 91.947 ng
RT: 13.26 min Scan# 1697
Delta R.T. -0.02 min
Lab File: BG036240.D
Acq: 9 Aug 2018 19:35

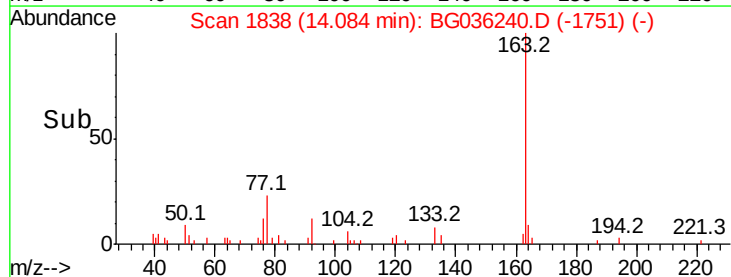
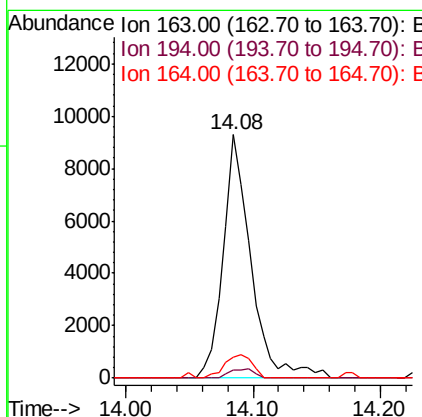
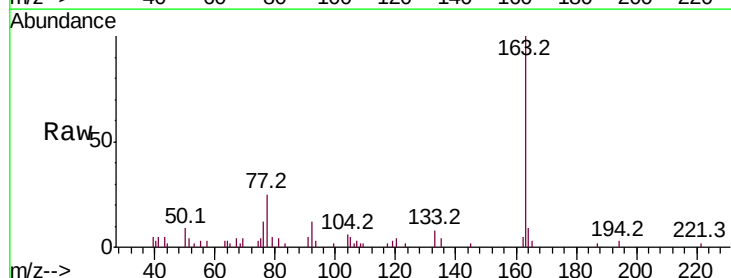
Instrument :
BNA_G
ClientSampleId :
MW-103S

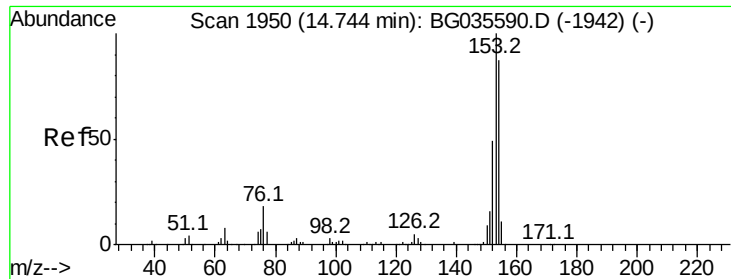
Tot Ion:172 Resp: 525193
Ion Ratio Lower Upper
172 100
171 33.6 30.0 45.0
170 21.9 19.5 29.3



#49
Dimethylphthalate
Concen: 2.097 ng
RT: 14.08 min Scan# 1838
Delta R.T. -0.02 min
Lab File: BG036240.D
Acq: 9 Aug 2018 19:35

Tgt Ion:163 Resp: 14059
Ion Ratio Lower Upper
163 100
194 3.3 3.4 5.2#
164 8.5 8.2 12.4





#51

Acenaphthene

Concen: 5.424 ng

RT: 14.70 min Scan# 1942

Delta R.T. -0.02 min

Lab File: BG036240.D

Acq: 9 Aug 2018 19:35

Instrument :

BNA_G

ClientSampleId :

MW-103S

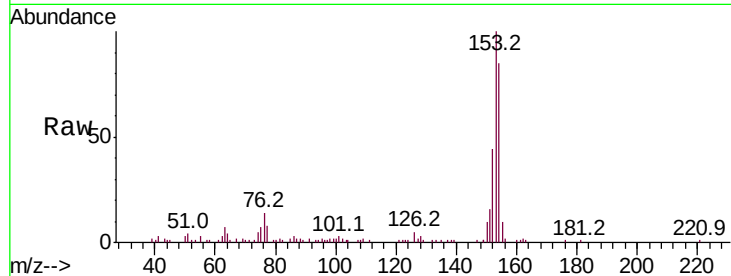
Tot Ion:154 Resp: 26120

Ion Ratio Lower Upper

154 100

153 118.1 90.4 135.6

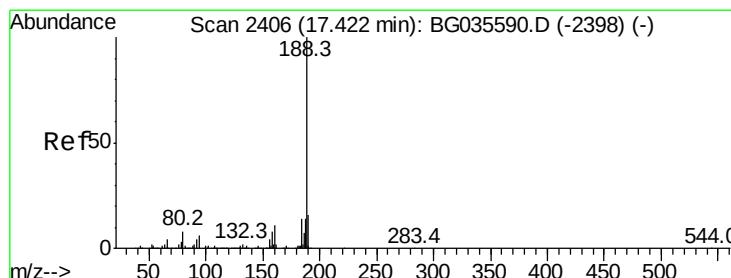
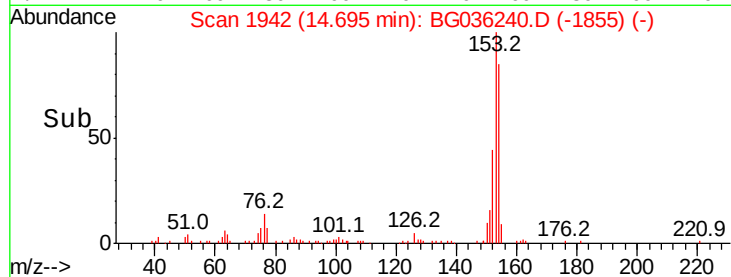
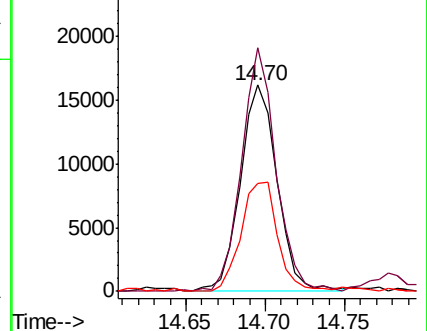
152 52.4 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2398

Delta R.T. -0.02 min

Lab File: BG036240.D

Acq: 9 Aug 2018 19:35

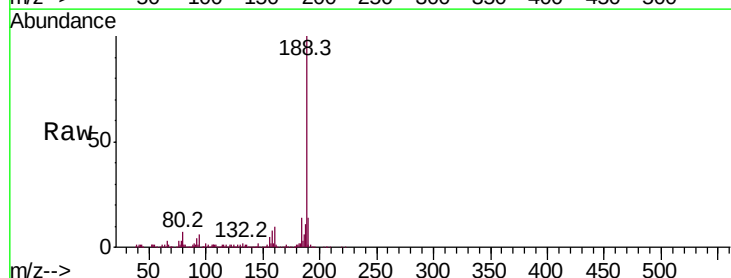
Tgt Ion:188 Resp: 191091

Ion Ratio Lower Upper

188 100

94 5.9 6.9 10.3#

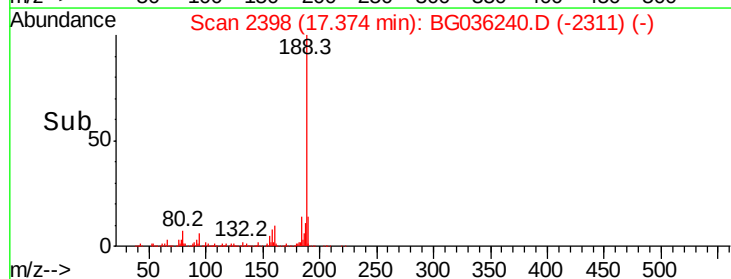
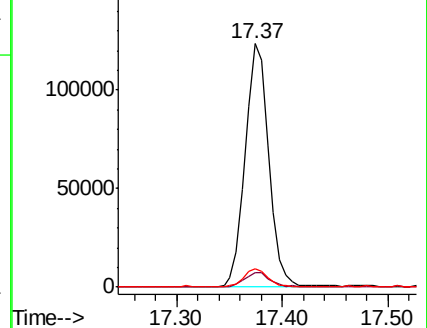
80 7.3 7.7 11.5#

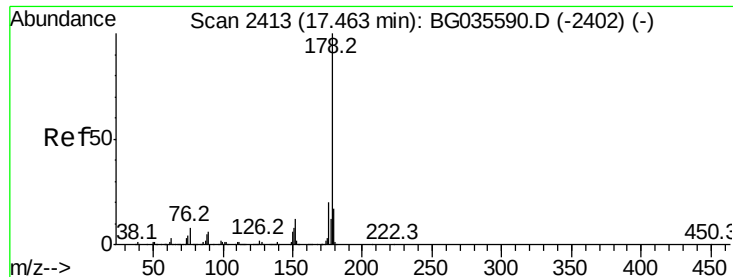


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 2.070 ng

RT: 17.42 min Scan# 2406

Delta R.T. -0.02 min

Lab File: BG036240.D

Acq: 9 Aug 2018 19:35

Instrument :

BNA_G

ClientSampleId :

MW-103S

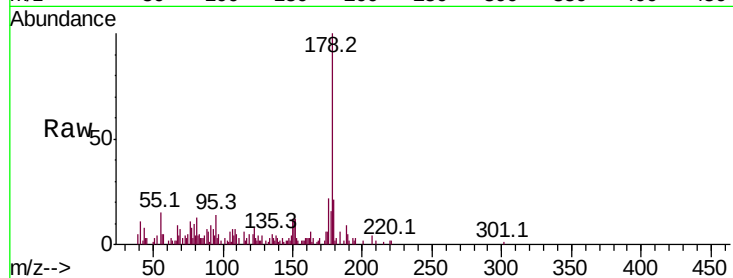
Tot Ion:178 Resp: 19733

Ion Ratio Lower Upper

178 100

176 22.2 15.7 23.5

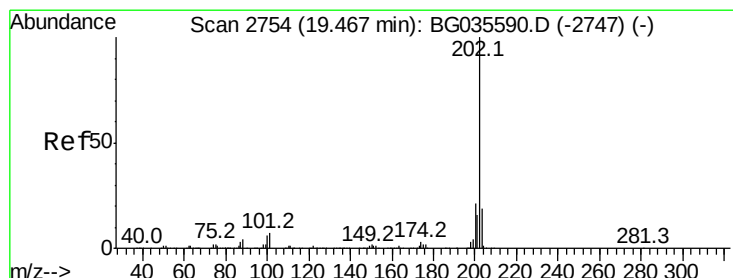
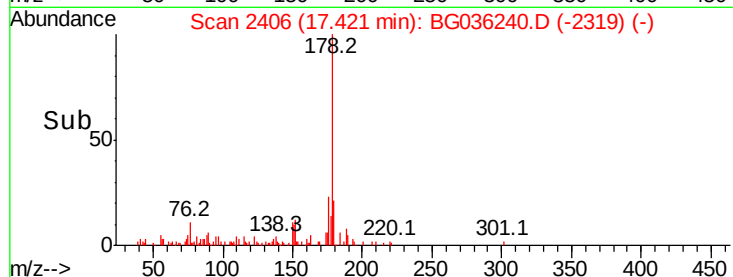
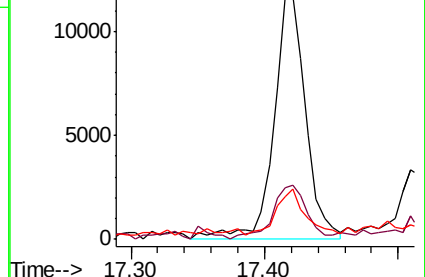
179 20.7 12.5 18.7#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 2.802 ng

RT: 19.43 min Scan# 2748

Delta R.T. -0.01 min

Lab File: BG036240.D

Acq: 9 Aug 2018 19:35

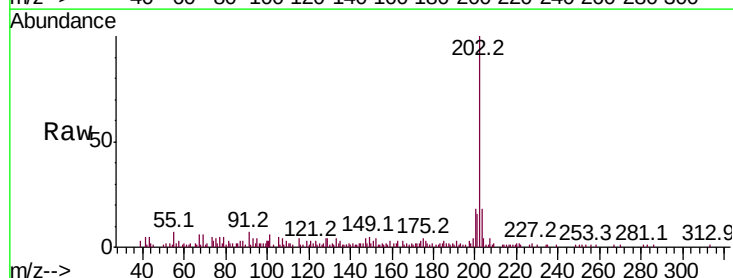
Tgt Ion:202 Resp: 35994

Ion Ratio Lower Upper

202 100

101 5.9 0.0 28.9

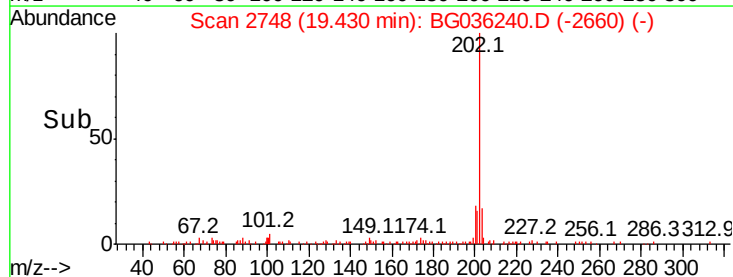
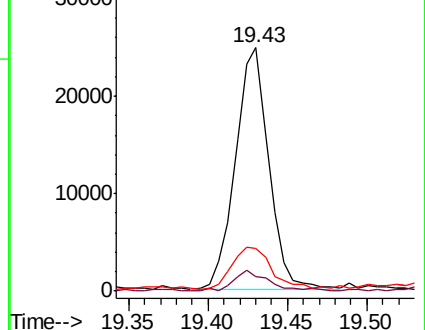
203 17.7 0.0 37.5

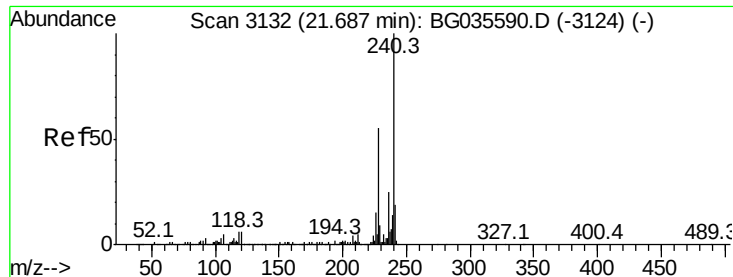


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

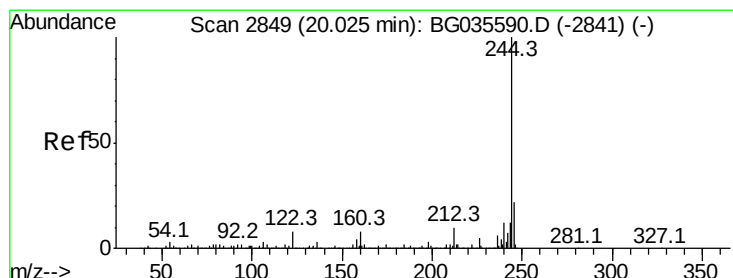
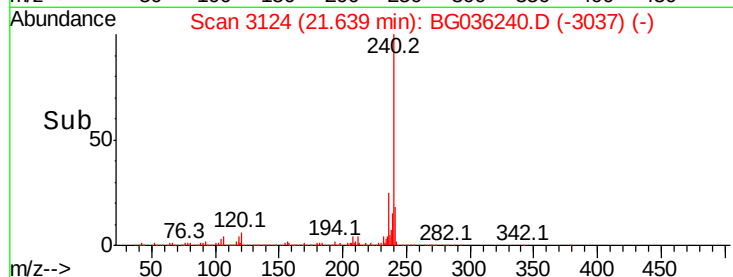
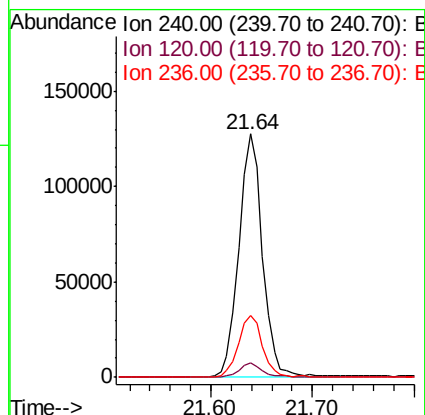
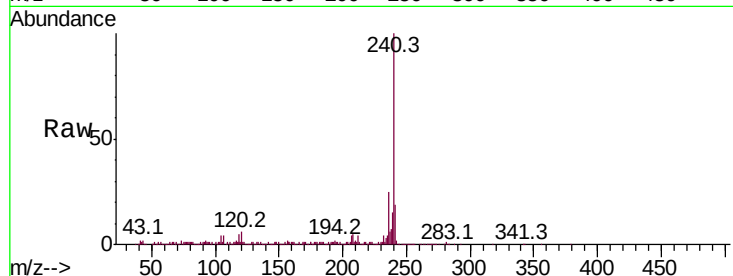




#75
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.64 min Scan# 3124
 Delta R.T. -0.02 min
 Lab File: BG036240.D
 Acq: 9 Aug 2018 19:35

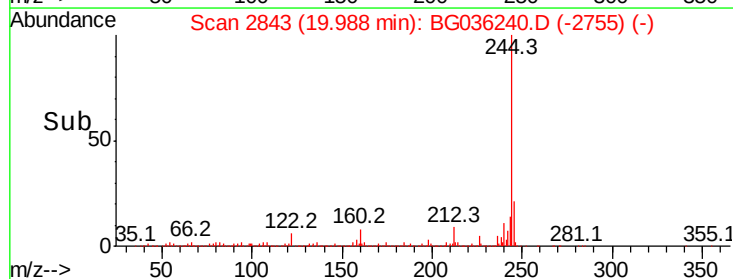
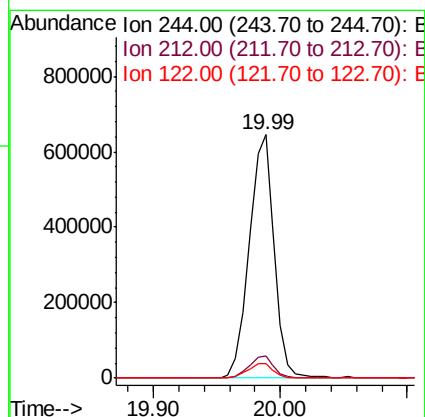
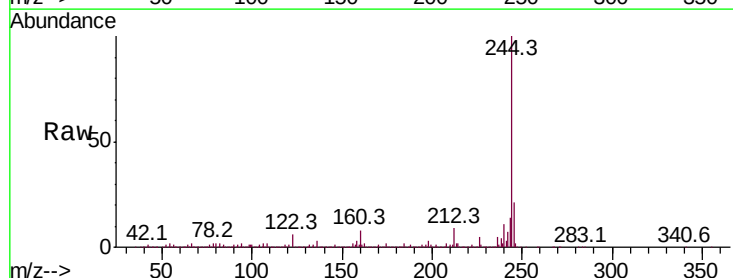
Instrument :
 BNA_G
 ClientSampleId :
 MW-103S

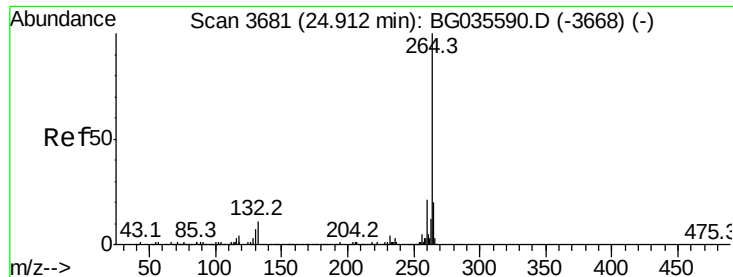
Tot Ion	Ratio	Lower	Upper
240	100		
120	5.8	6.8	10.2#
236	25.2	20.9	31.3



#78
 Terphenyl-d14
 Concen: 93.739 ng
 RT: 19.99 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BG036240.D
 Acq: 9 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.9	5.8	8.8#
122	6.1	7.0	10.4#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.82 min Scan# 3665
Delta R.T. -0.04 min
Lab File: BG036240.D
Acq: 9 Aug 2018 19:35

Instrument :
BNA_G
ClientSampleId :
MW-103S

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.0
265	20.5	17.7	26.5

