

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
 Data File : BG021646.D
 Acq On : 14 Apr 2016 9:32
 Operator : UM/SJ
 Sample : H2418-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GMW-11

Quant Time: Apr 15 01:02:47 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

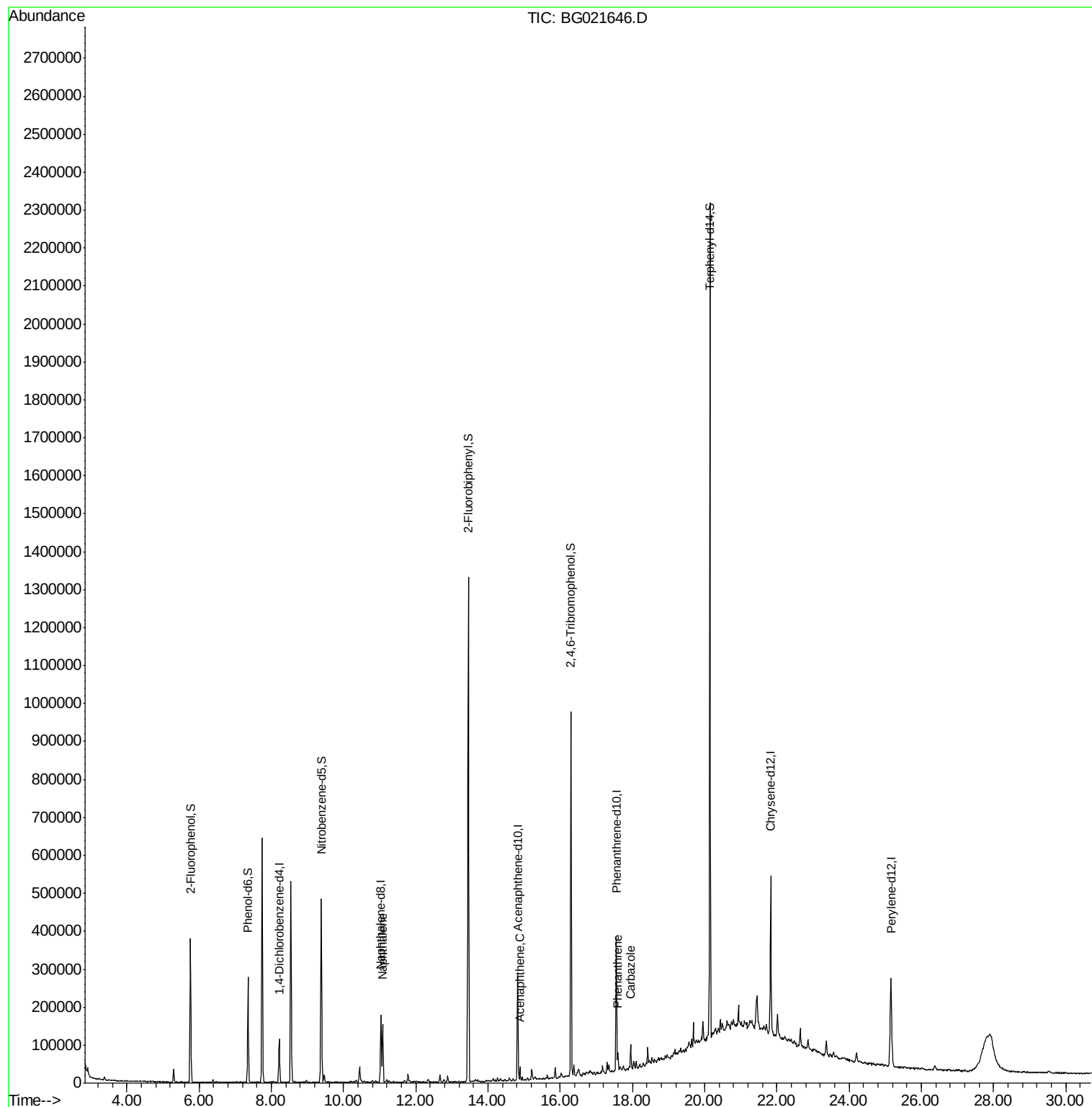
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	33282	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	153875	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	94614	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	211827	20.00	ng	0.00
75) Chrysene-d12	21.83	240	250148	20.00	ng	0.00
86) Perylene-d12	25.16	264	243835	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	167529	83.82	ng	0.00
7) Phenol-d6	7.36	99	162581	54.46	ng	0.00
23) Nitrobenzene-d5	9.38	82	295830	98.82	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	168744	165.48	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	676644	104.78	ng	0.00
78) Terphenyl-d14	20.15	244	948804	94.64	ng	0.00
Target Compounds						
31) Naphthalene	11.08	128	118304	14.37	ng	Qvalue # 97
51) Acenaphthene	14.88	154	13250	2.13	ng	91
70) Phenanthrene	17.60	178	23696	2.03	ng	98
72) Carbazole	17.95	167	41541	3.76	ng	97

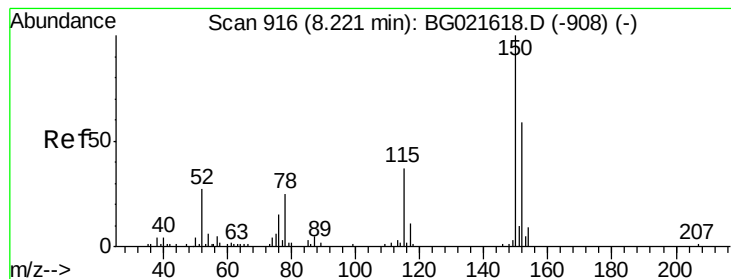
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.22 min Scan# 916

Delta R.T. -0.00 min

Lab File: BG021646.D

Acq: 14 Apr 2016 9:32

Instrument :

BNA_G

ClientSampleId :

GMW-11

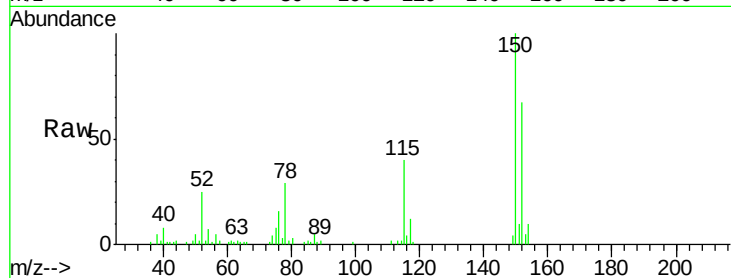
Tgt Ion:152 Resp: 33282

Ion Ratio Lower Upper

152 100

150 148.2 130.1 195.1

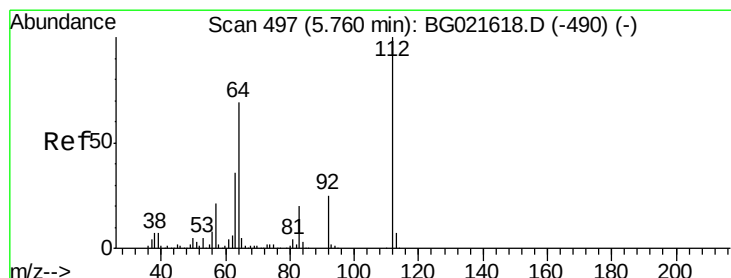
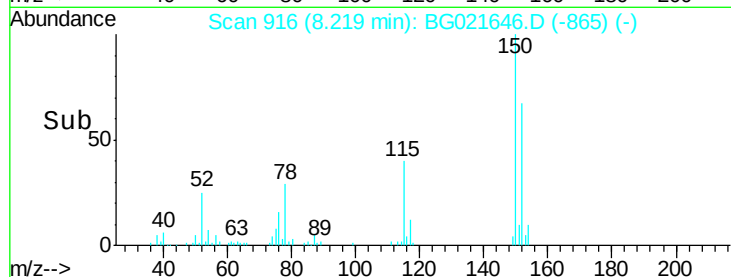
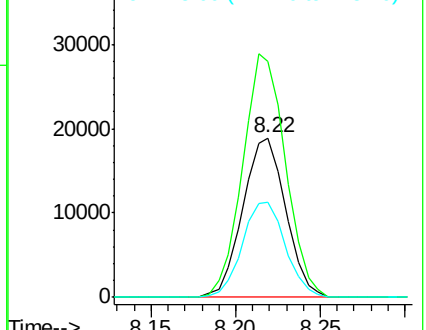
115 59.9 62.2 93.2#



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: 83.82 ng

RT: 5.76 min Scan# 497

Delta R.T. -0.00 min

Lab File: BG021646.D

Acq: 14 Apr 2016 9:32

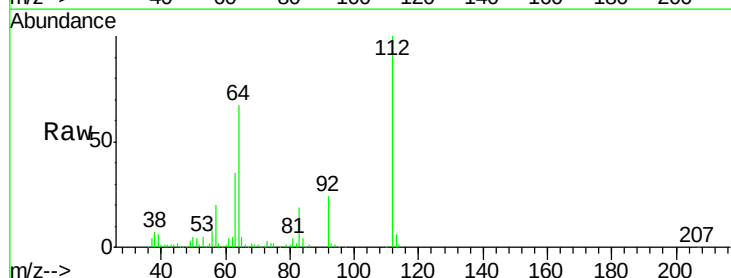
Tgt Ion:112 Resp: 167529

Ion Ratio Lower Upper

112 100

64 67.2 51.1 76.7

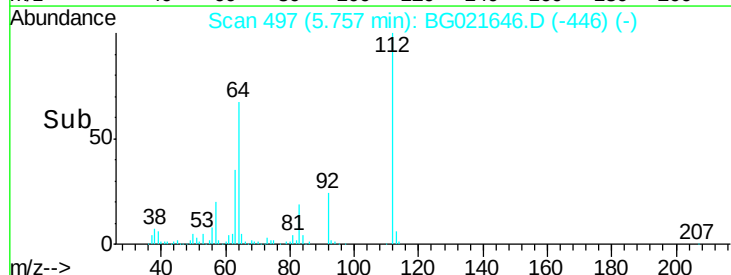
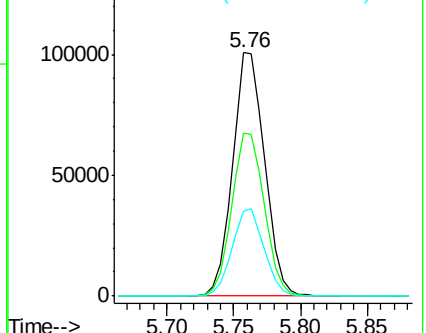
63 34.8 24.6 37.0

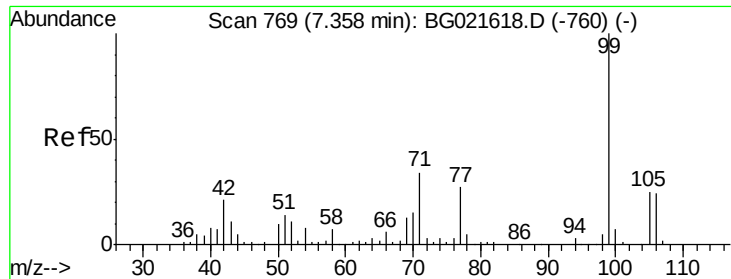


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 54.46 ng

RT: 7.36 min Scan# 769

Delta R.T. -0.00 min

Lab File: BG021646.D

Acq: 14 Apr 2016 9:32

Instrument :

BNA_G

ClientSampleId :

GMW-11

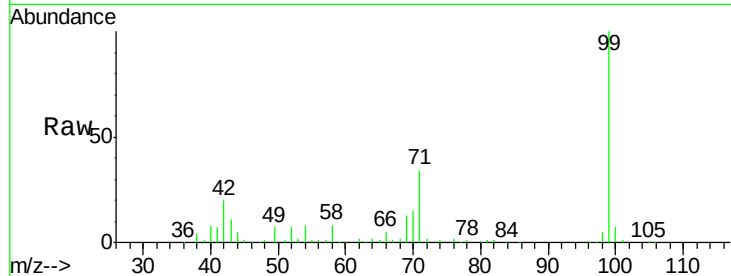
Tgt Ion: 99 Resp: 162581

Ion Ratio Lower Upper

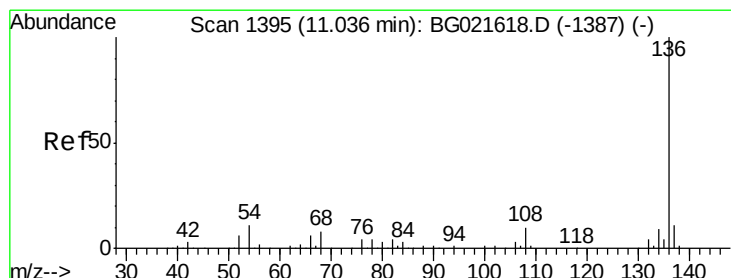
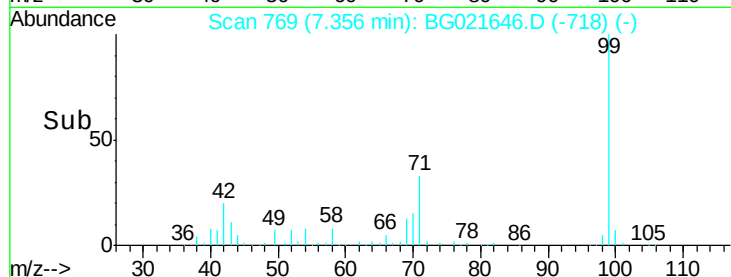
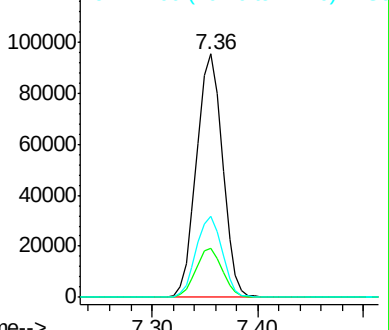
99 100

42 19.9 16.4 24.6

71 33.5 25.0 37.4



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.03 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BG021646.D

Acq: 14 Apr 2016 9:32

Tgt Ion: 136 Resp: 153875

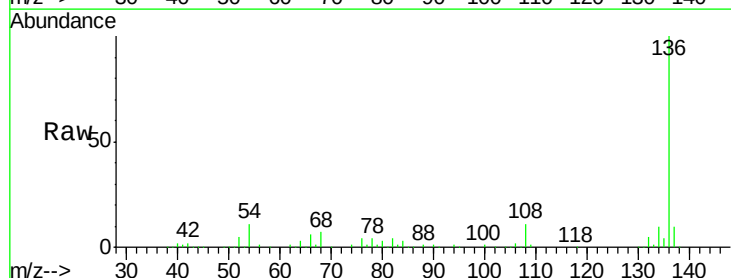
Ion Ratio Lower Upper

136 100

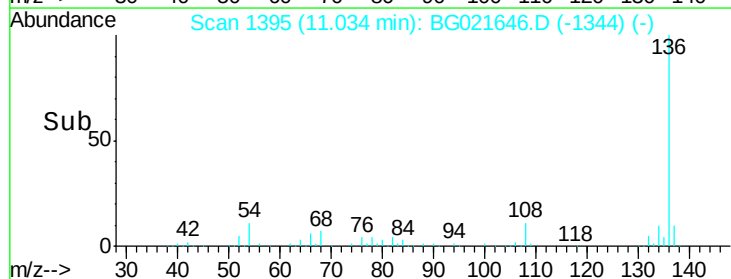
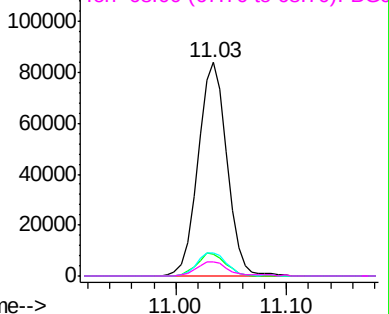
137 10.2 9.0 13.4

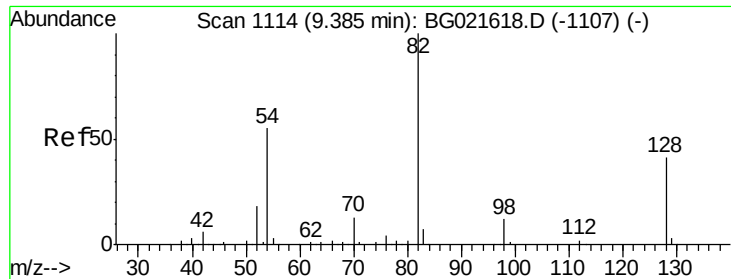
54 10.8 9.6 14.4

68 6.8 6.4 9.6



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

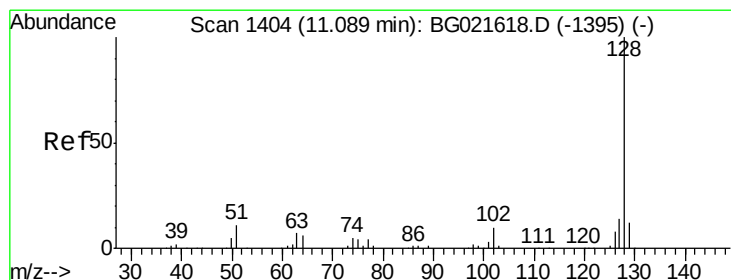
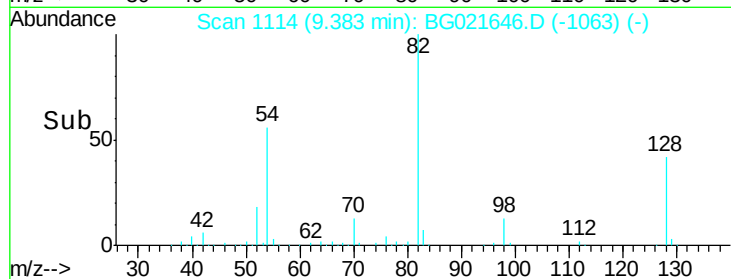
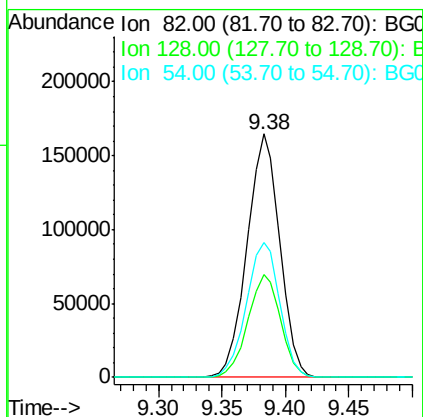
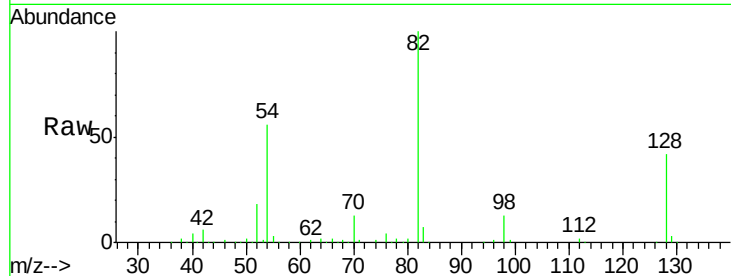




#23
 Nitrobenzene-d5
 Concen: 98.82 ng
 RT: 9.38 min Scan# 1114
 Delta R.T. -0.00 min
 Lab File: BG021646.D
 Acq: 14 Apr 2016 9:32

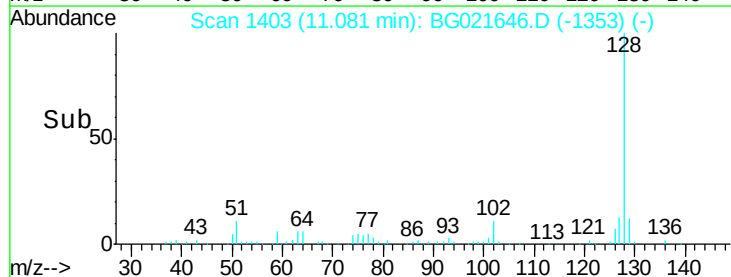
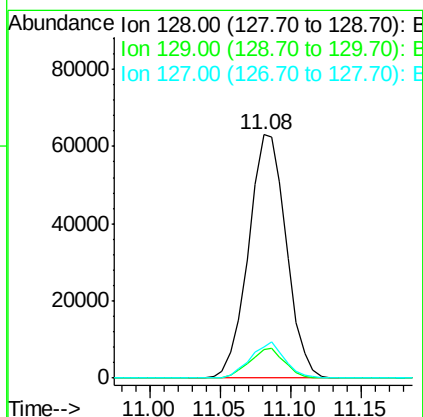
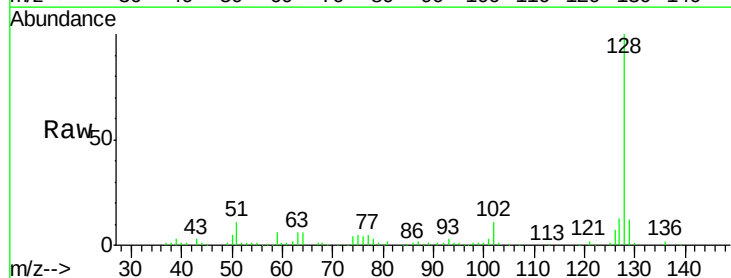
Instrument :
 BNA_G
 ClientSampleId :
 GMW-11

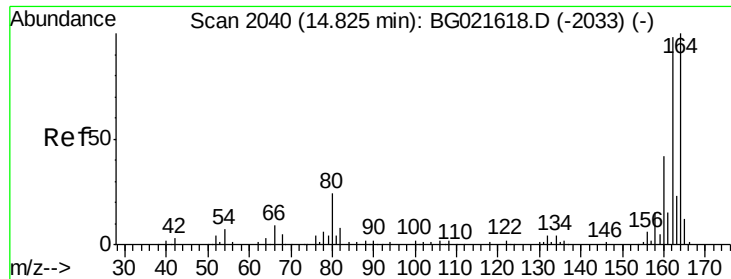
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.2	33.4	50.0
54	55.6	46.1	69.1



#31
 Naphthalene
 Concen: 14.37 ng
 RT: 11.08 min Scan# 1403
 Delta R.T. -0.01 min
 Lab File: BG021646.D
 Acq: 14 Apr 2016 9:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	7.0	10.6#
127	12.6	10.1	15.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.82 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BG021646.D

Acq: 14 Apr 2016 9:32

Instrument :

BNA_G

ClientSampleId :

GMW-11

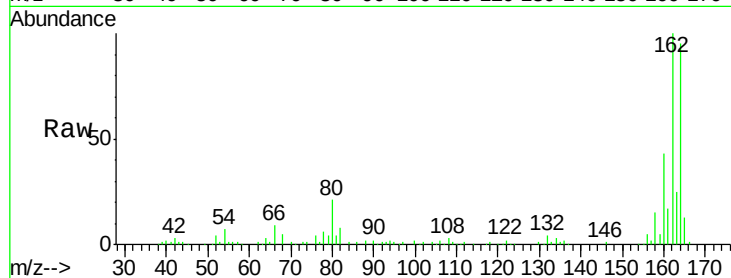
Tgt Ion:164 Resp: 94614

Ion Ratio Lower Upper

164 100

162 104.9 78.0 117.0

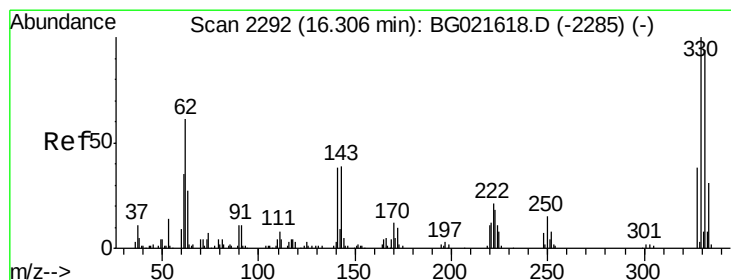
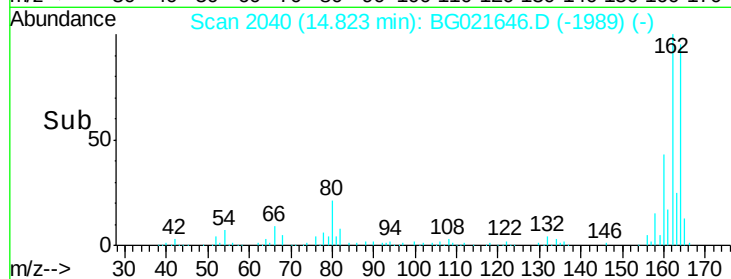
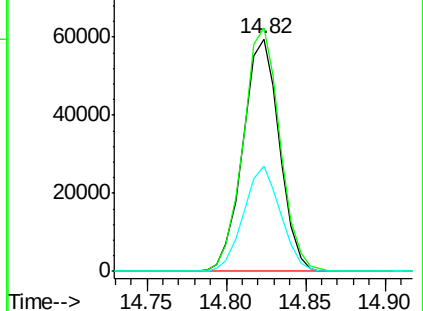
160 45.2 32.9 49.3



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: 165.48 ng

RT: 16.30 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BG021646.D

Acq: 14 Apr 2016 9:32

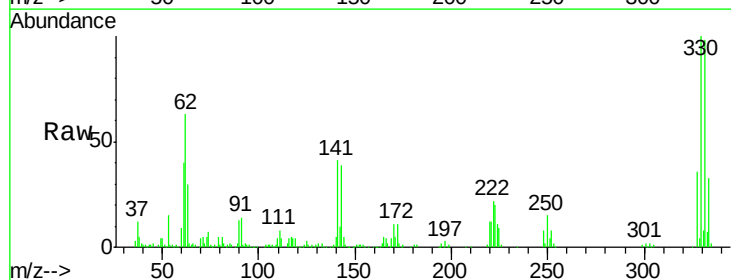
Tgt Ion:330 Resp: 168744

Ion Ratio Lower Upper

330 100

332 96.1 78.0 117.0

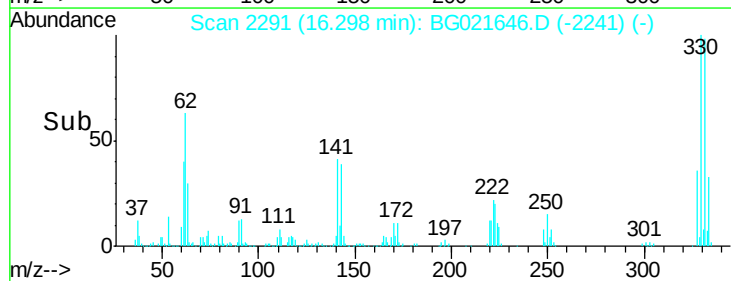
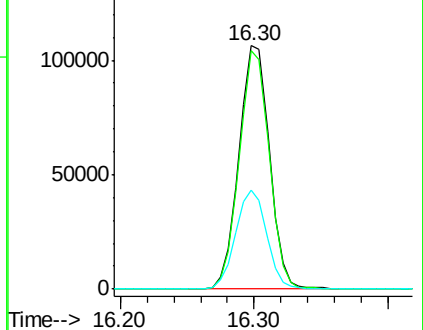
141 41.5 33.8 50.8

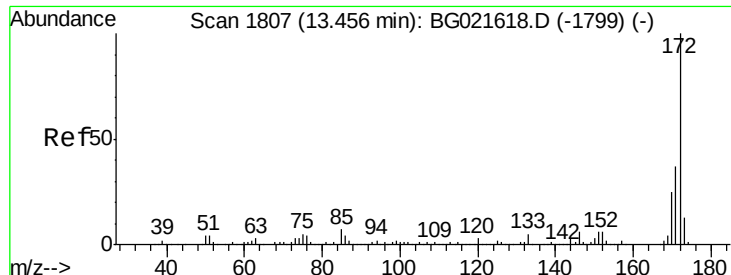


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

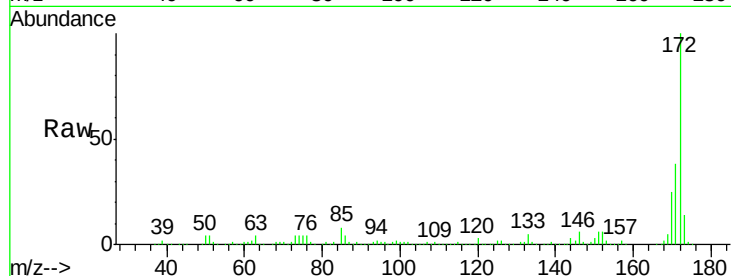




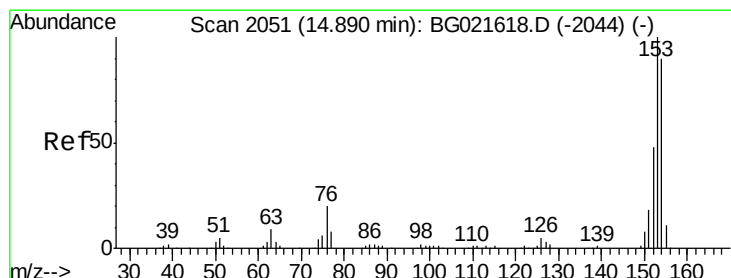
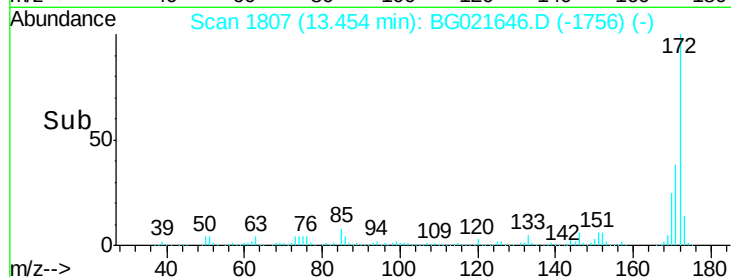
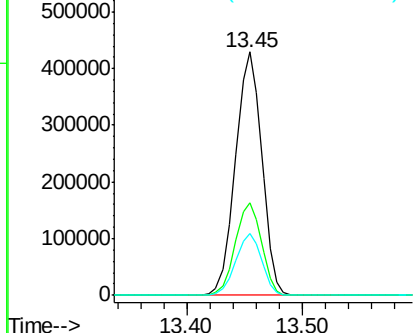
#44
 2-Fluorobiphenyl
 Concen: 104.78 ng
 RT: 13.45 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: BG021646.D
 Acq: 14 Apr 2016 9:32

Instrument :
 BNA_G
 ClientSampleId :
 GMW-11

Tgt Ion:172 Resp: 676644
 Ion Ratio Lower Upper
 172 100
 171 38.0 27.8 41.6
 170 25.3 19.6 29.4

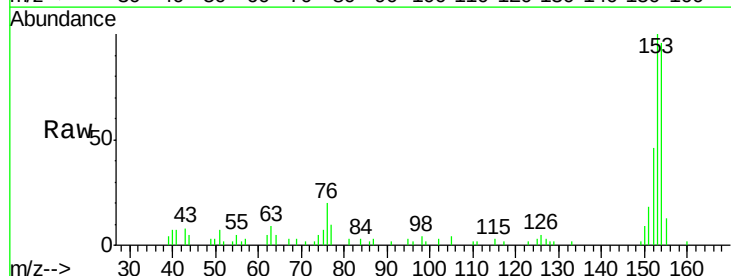


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

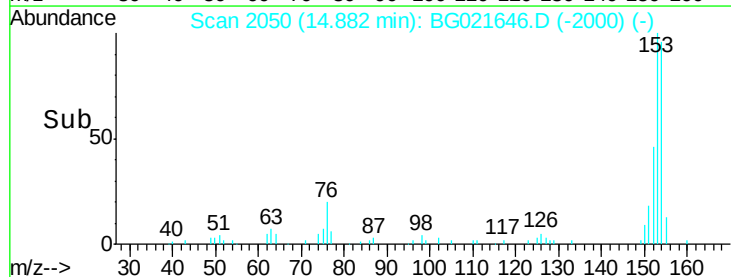
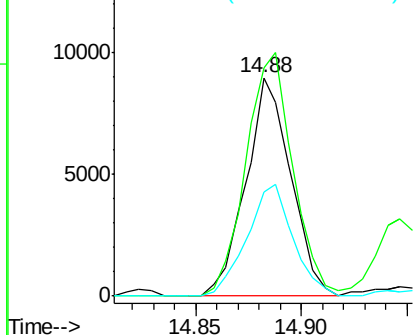


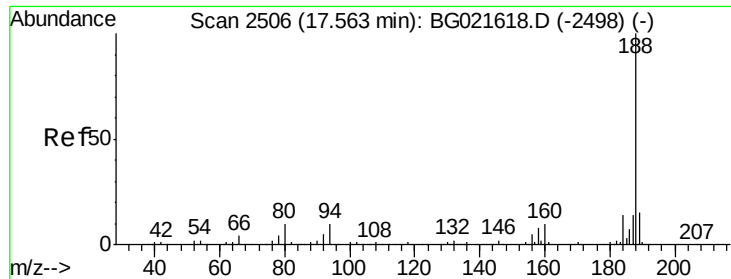
#51
 Acenaphthene
 Concen: 2.13 ng
 RT: 14.88 min Scan# 2050
 Delta R.T. -0.01 min
 Lab File: BG021646.D
 Acq: 14 Apr 2016 9:32

Tgt Ion:154 Resp: 13250
 Ion Ratio Lower Upper
 154 100
 153 104.4 91.9 137.9
 152 47.8 42.0 63.0



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

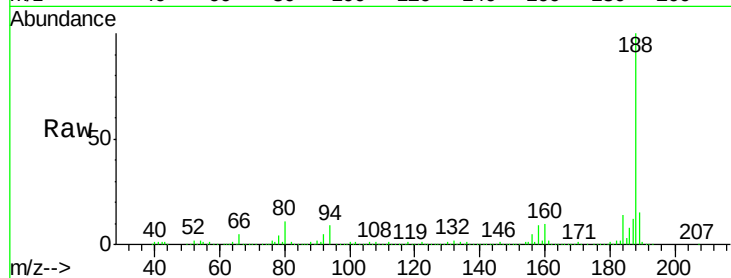




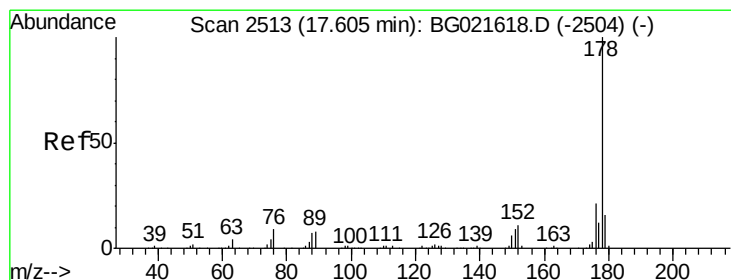
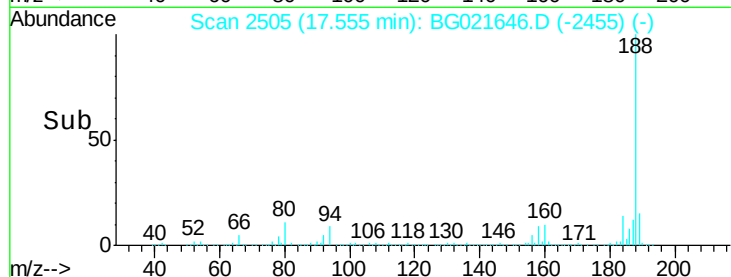
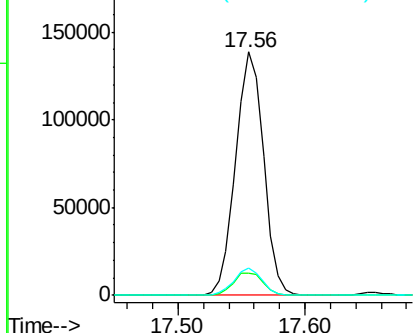
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BG021646.D
Acq: 14 Apr 2016 9:32

Instrument :
BNA_G
ClientSampleId :
GMW-11

Tgt Ion:188 Resp: 211827
Ion Ratio Lower Upper
188 100
94 9.3 7.5 11.3
80 11.4 8.6 13.0

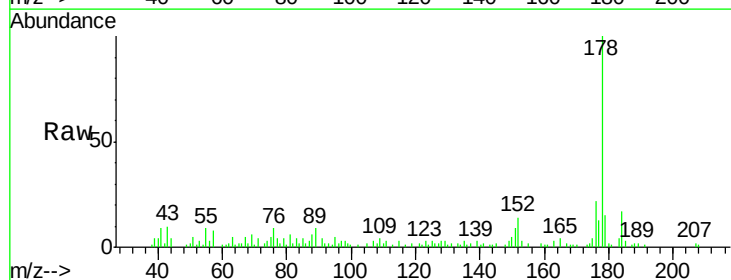


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

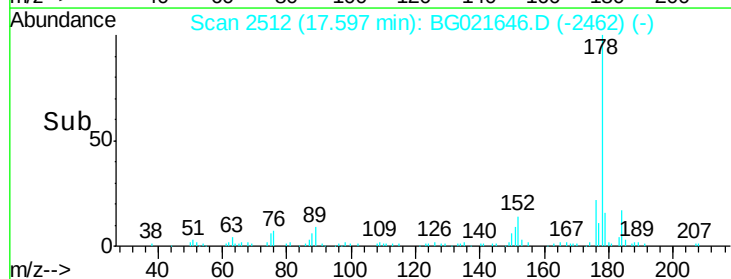
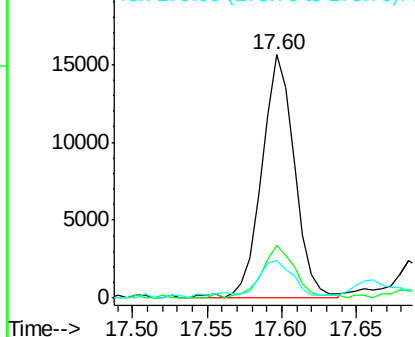


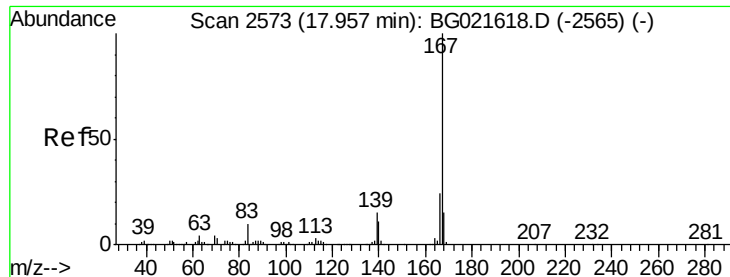
#70
Phenanthrene
Concen: 2.03 ng
RT: 17.60 min Scan# 2512
Delta R.T. -0.01 min
Lab File: BG021646.D
Acq: 14 Apr 2016 9:32

Tgt Ion:178 Resp: 23696
Ion Ratio Lower Upper
178 100
176 21.9 16.2 24.4
179 15.3 12.0 18.0



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

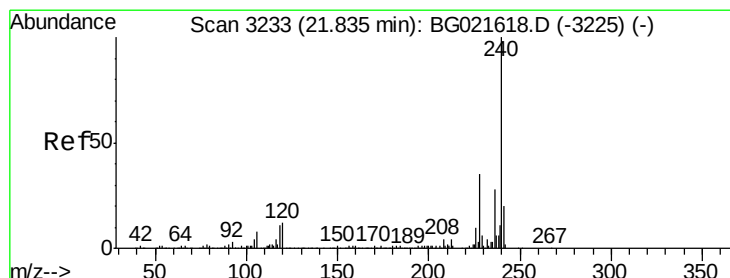
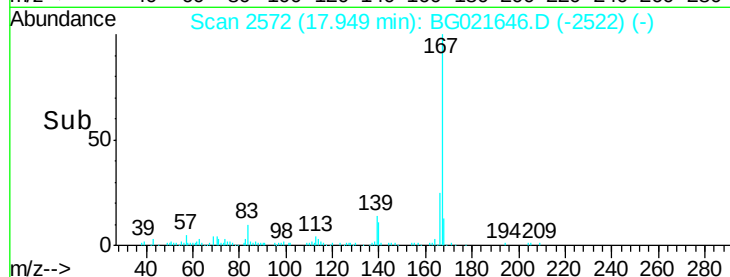
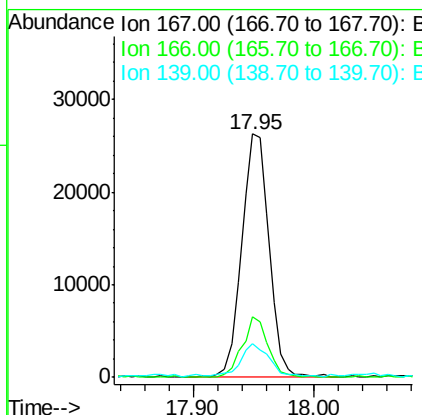
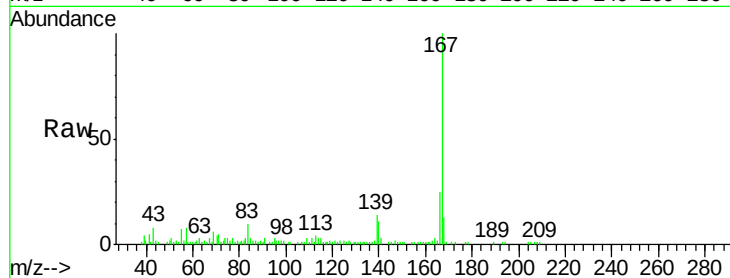




#72
 Carbazole
 Concen: 3.76 ng
 RT: 17.95 min Scan# 2572
 Delta R.T. -0.01 min
 Lab File: BG021646.D
 Acq: 14 Apr 2016 9:32

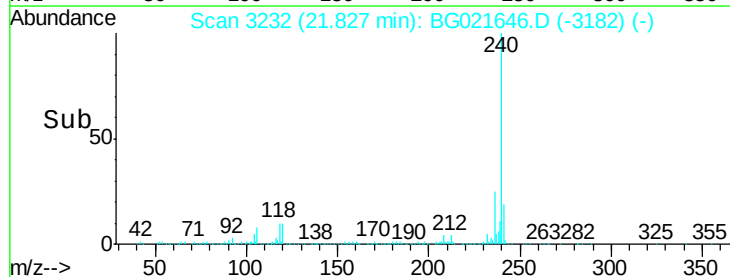
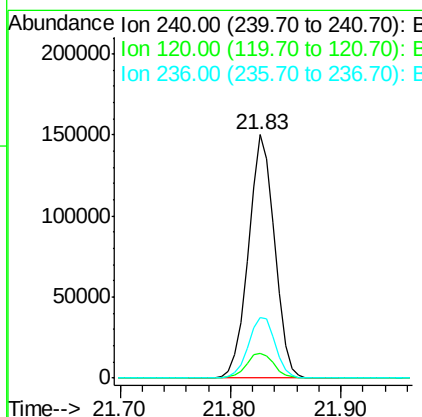
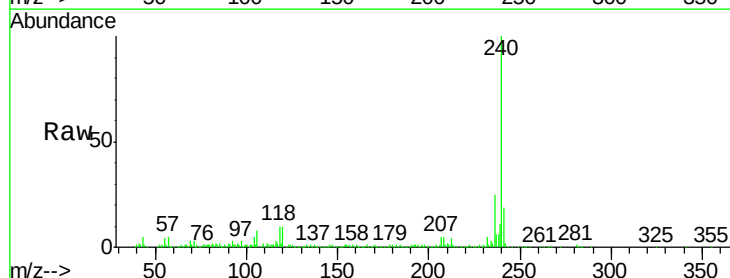
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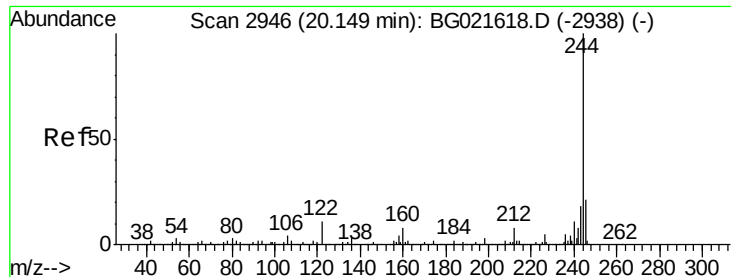
Tgt Ion:167 Resp: 41541
 Ion Ratio Lower Upper
 167 100
 166 24.8 18.6 27.8
 139 13.9 10.6 15.8



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.83 min Scan# 3232
 Delta R.T. -0.01 min
 Lab File: BG021646.D
 Acq: 14 Apr 2016 9:32

Tgt Ion:240 Resp: 250148
 Ion Ratio Lower Upper
 240 100
 120 10.4 8.4 12.6
 236 25.1 19.6 29.4





#78

Terphenyl-d14

Concen: 94.64 ng

RT: 20.15 min Scan# 2946

Delta R.T. -0.00 min

Lab File: BG021646.D

Acq: 14 Apr 2016 9:32

Instrument :

BNA_G

ClientSampleId :

GMW-11

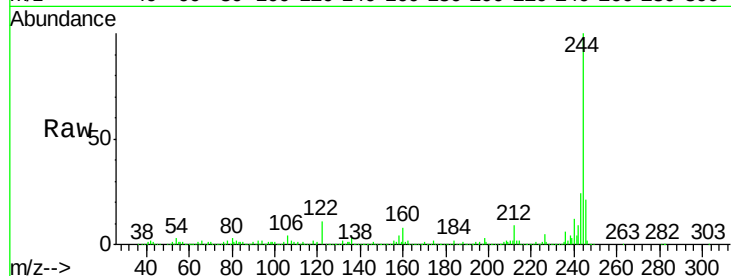
Tgt Ion:244 Resp: 948804

Ion Ratio Lower Upper

244 100

212 8.8 6.5 9.7

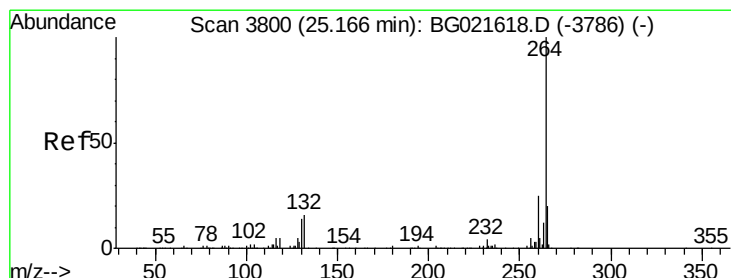
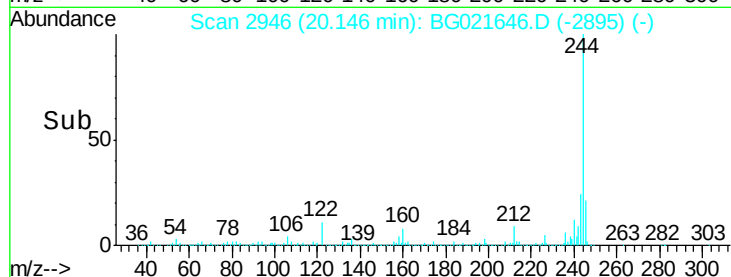
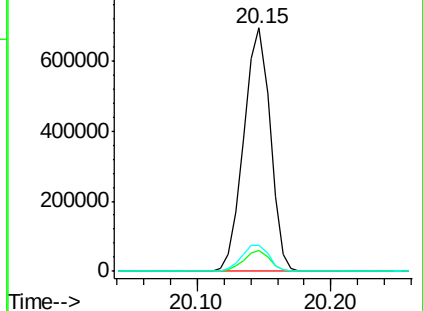
122 10.7 8.6 12.8



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: 20.00 ng

RT: 25.16 min Scan# 3799

Delta R.T. -0.01 min

Lab File: BG021646.D

Acq: 14 Apr 2016 9:32

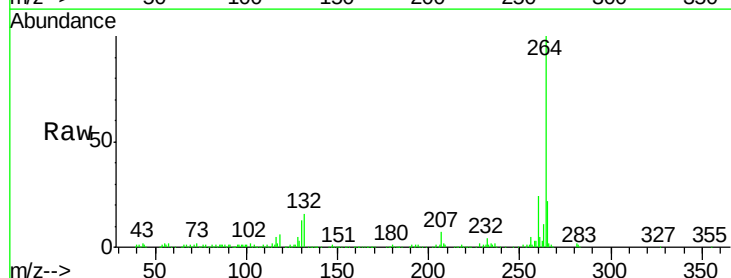
Tgt Ion:264 Resp: 243835

Ion Ratio Lower Upper

264 100

260 23.5 20.2 30.4

265 21.6 17.8 26.8



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

