

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110718\
 Data File : BG037863.D
 Acq On : 7 Nov 2018 13:29
 Operator : JU/SJ
 Sample : J5820-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C19013081

Quant Time: Nov 07 15:35:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

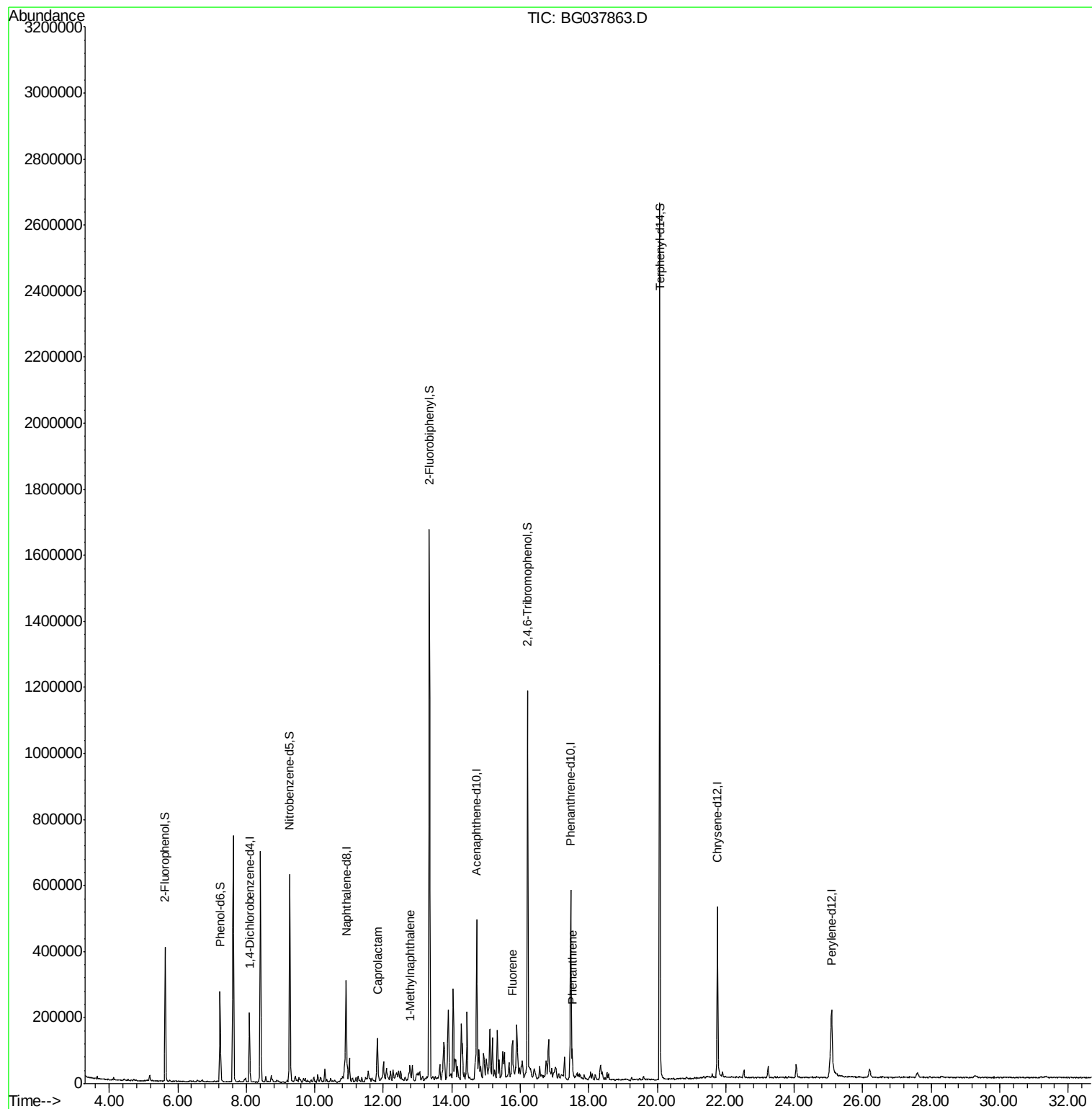
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	62813	20.00	ng	-0.01
21) Naphthalene-d8	10.92	136	275479	20.00	ng	-0.01
39) Acenaphthene-d10	14.73	164	173746	20.00	ng	-0.01
64) Phenanthrene-d10	17.47	188	381090	20.00	ng	-0.01
76) Chrysene-d12	21.76	240	343788	20.00	ng	-0.02
87) Perylene-d12	25.09	264	312892	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	192980	51.36	ng	-0.01
7) Phenol-d6	7.24	99	177184	31.19	ng	-0.01
23) Nitrobenzene-d5	9.27	82	391766	79.67	ng	-0.01
42) 2,4,6-Tribromophenol	16.21	330	215819	113.89	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	933964	81.06	ng	-0.02
79) Terphenyl-d14	20.07	244	1292558	80.34	ng	-0.01
Target Compounds						
35) Caprolactam	11.84	113	26311	14.339	ng	93
38) 1-Methylnaphthalene	12.78	142	21860	2.282	ng	95
58) Fluorene	15.77	166	50125	4.006	ng	100
71) Phenanthrene	17.52	178	57726	2.980	ng	95

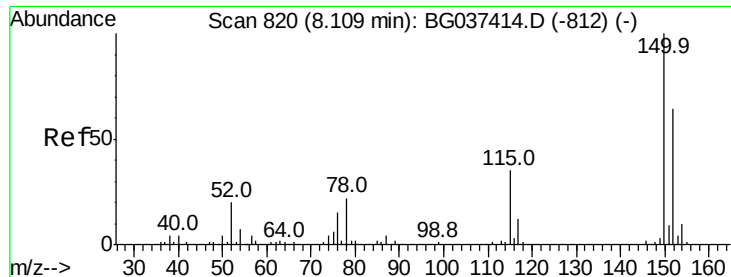
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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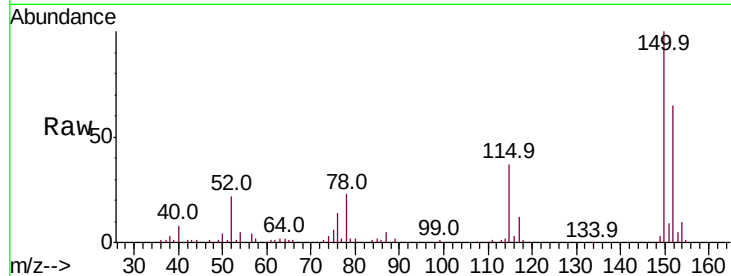


#1

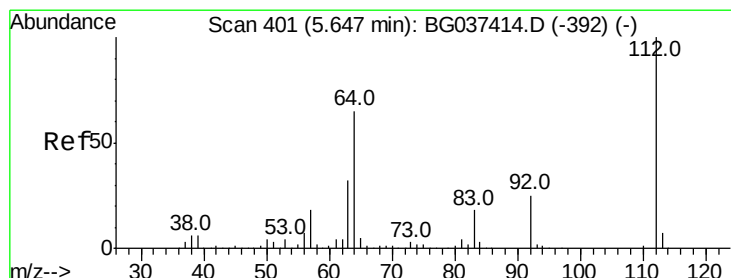
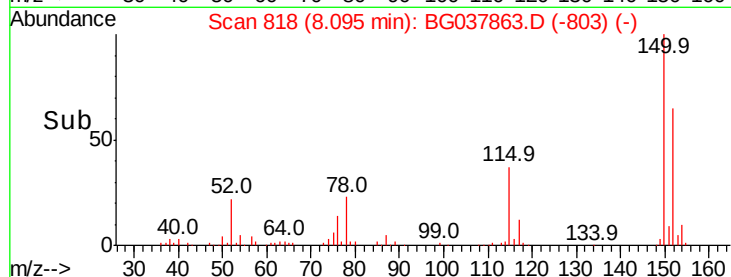
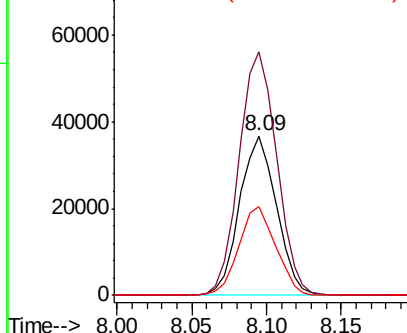
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 818
Delta R.T. -0.01 min
Lab File: BG037863.D
Acq: 7 Nov 2018 13:29

Instrument :
BNA_G
ClientSampleId :
C19013081

Tot Ion:152 Resp: 62813
Ion Ratio Lower Upper
152 100
150 152.8 126.0 189.0
115 56.0 45.5 68.3



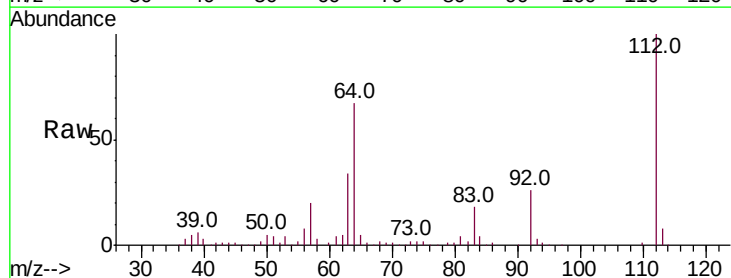
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



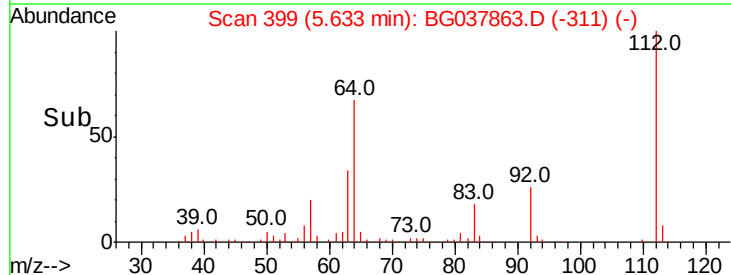
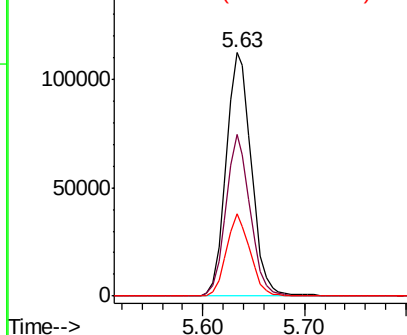
#5

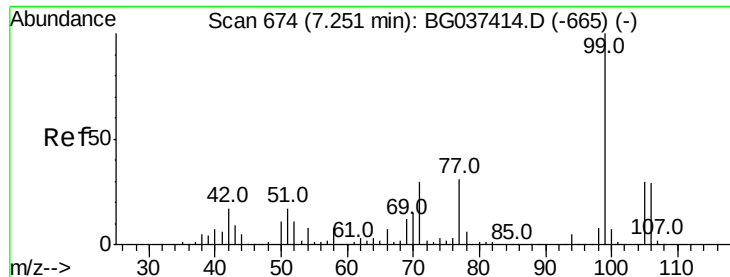
2-Fluorophenol
Concen: 51.364 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG037863.D
Acq: 7 Nov 2018 13:29

Tgt Ion:112 Resp: 192980
Ion Ratio Lower Upper
112 100
64 66.7 53.1 79.7
63 33.9 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 31.188 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037863.D

Acq: 7 Nov 2018 13:29

Instrument :

BNA_G

ClientSampled :

C19013081

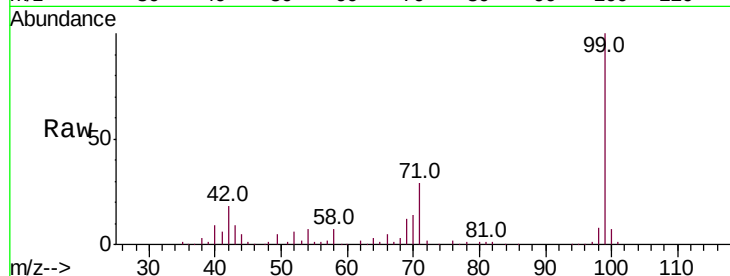
Tot Ion: 99 Resp: 177184

Ion Ratio Lower Upper

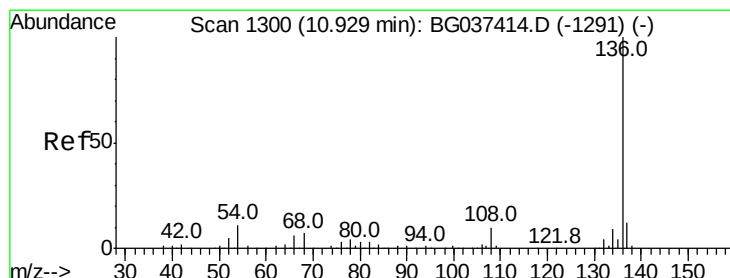
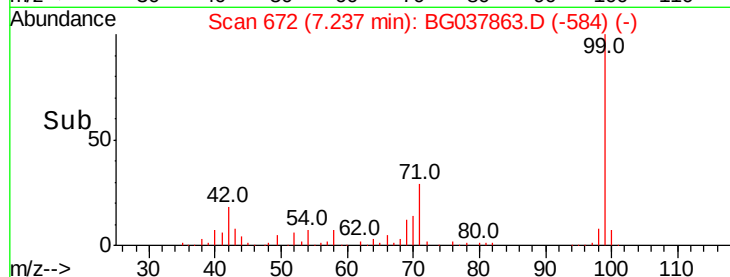
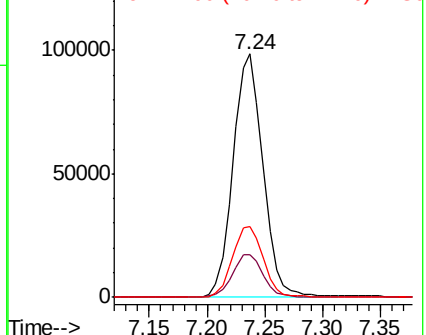
99 100

42 17.7 15.0 22.4

71 28.9 25.5 38.3



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: 20.000 ng

RT: 10.92 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BG037863.D

Acq: 7 Nov 2018 13:29

Tgt Ion: 136 Resp: 275479

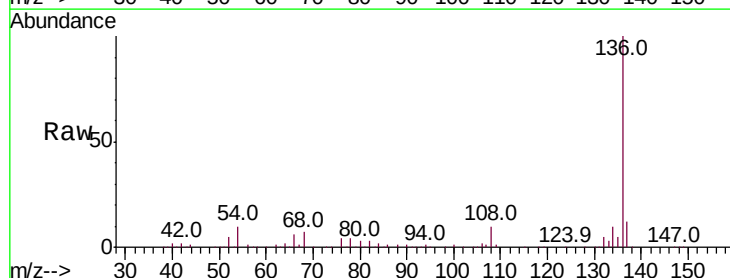
Ion Ratio Lower Upper

136 100

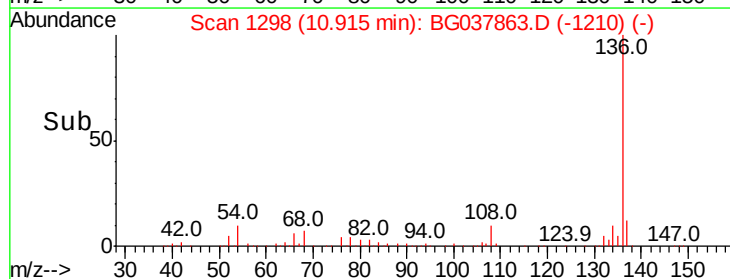
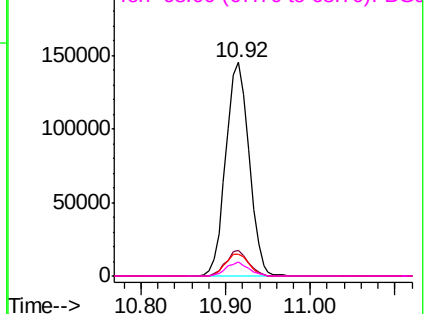
137 11.7 9.6 14.4

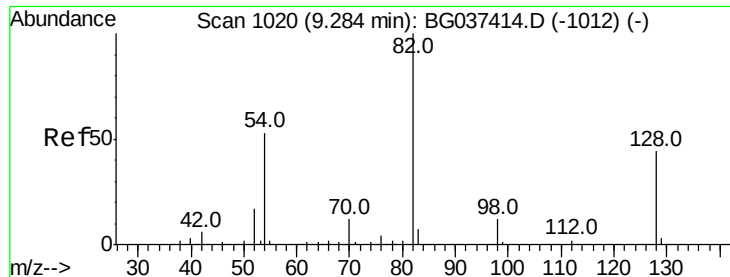
54 10.1 7.9 11.9

68 6.7 4.8 7.2



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

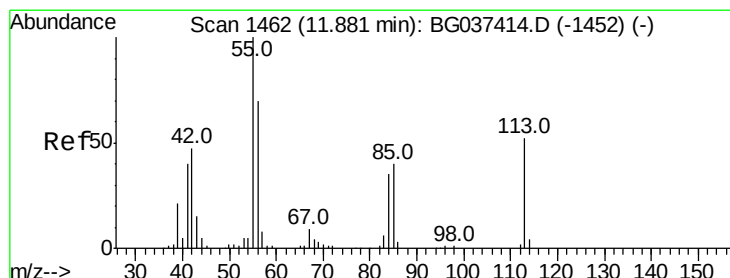
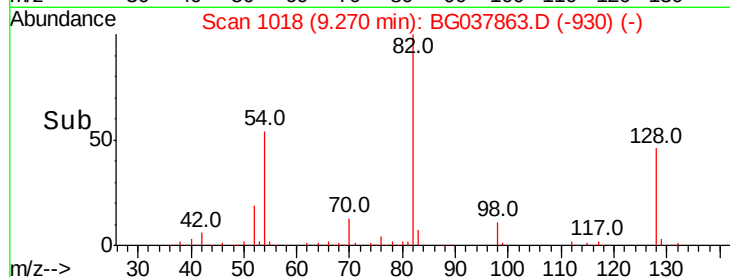
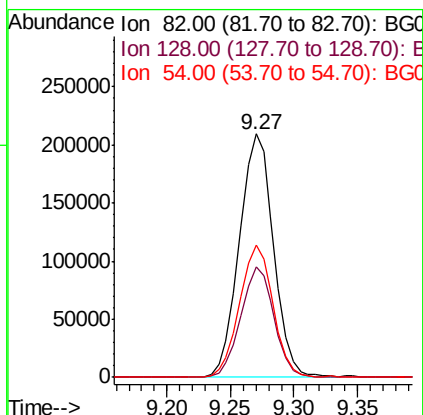
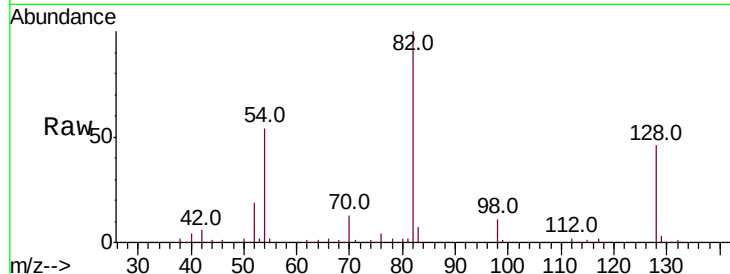




#23
 Nitrobenzene-d5
 Concen: 79.666 ng
 RT: 9.27 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BG037863.D
 Acq: 7 Nov 2018 13:29

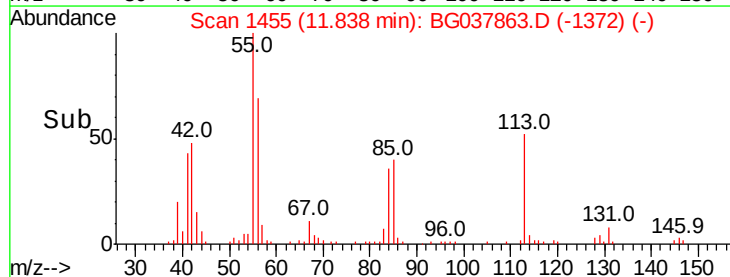
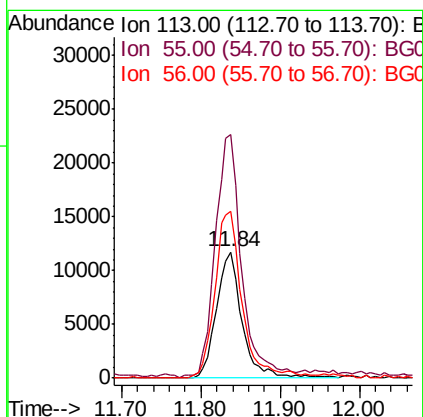
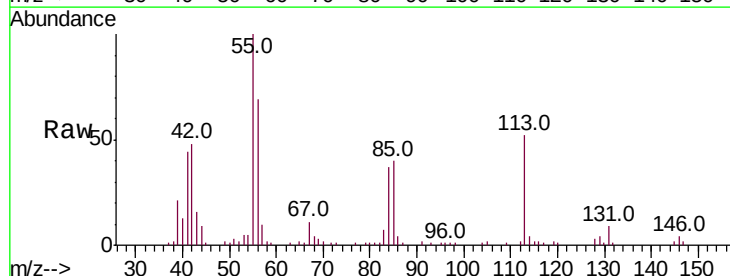
Instrument :
 BNA_G
 ClientSampled :
 C19013081

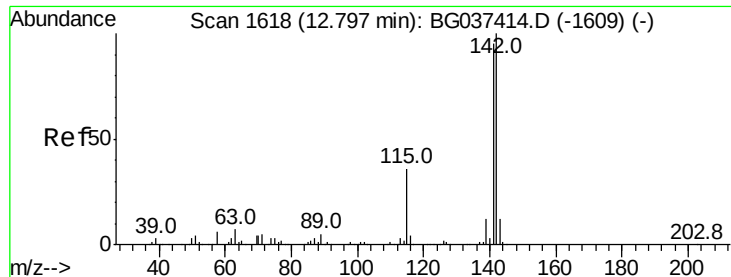
Tot Ion	82	Resp	391766
Ion Ratio	Lower	Upper	
82	100		
128	45.5	34.6	51.8
54	54.1	45.3	67.9



#35
 Caprolactam
 Concen: 14.339 ng
 RT: 11.84 min Scan# 1455
 Delta R.T. -0.04 min
 Lab File: BG037863.D
 Acq: 7 Nov 2018 13:29

Tgt Ion	113	Resp	26311
Ion Ratio	Lower	Upper	
113	100		
55	192.9	176.6	216.6
56	132.4	128.3	168.3

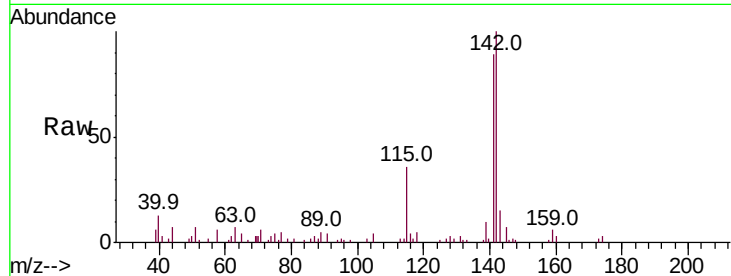




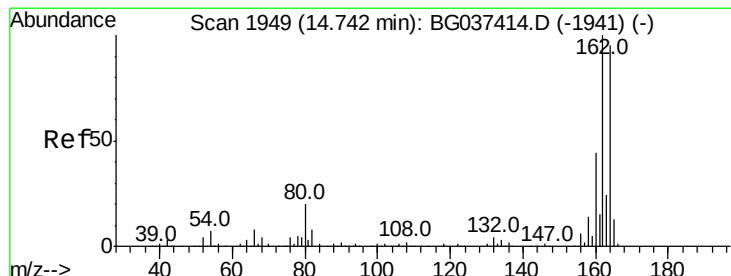
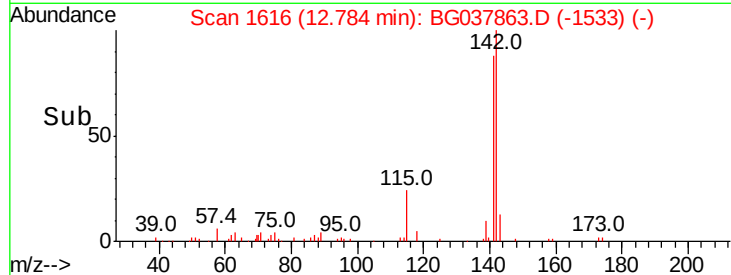
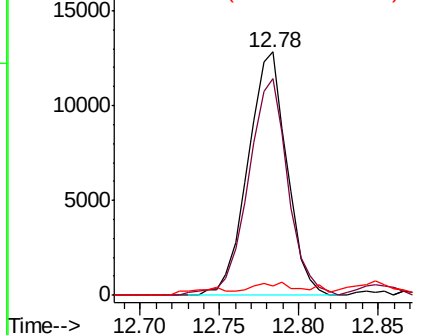
#38
1-Methylnaphthalene
Concen: 2.282 ng
RT: 12.78 min Scan# 1616
Delta R.T. -0.01 min
Lab File: BG037863.D
Acq: 7 Nov 2018 13:29

Instrument :
BNA_G
ClientSampleId :
C19013081

Tot Ion:142 Resp: 21860
Ion Ratio Lower Upper
142 100
141 89.2 75.2 112.8
116 3.9 3.3 4.9

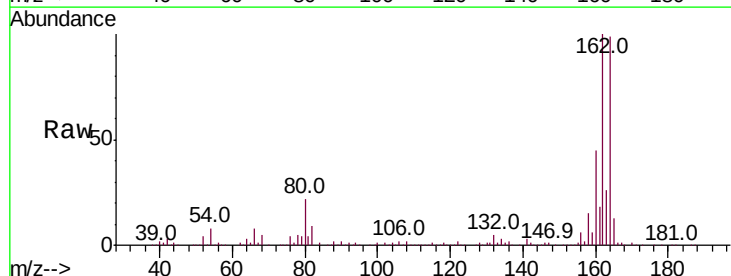


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

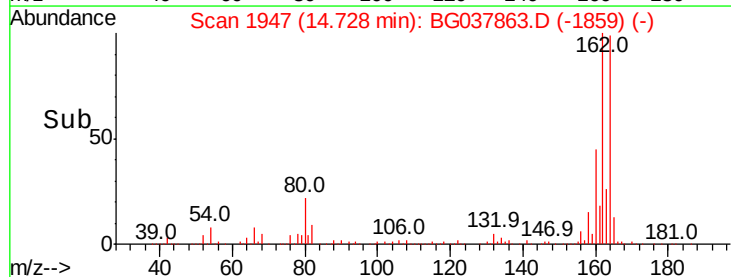
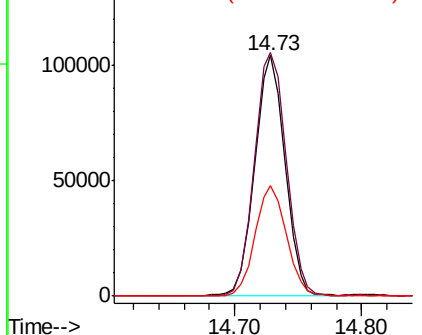


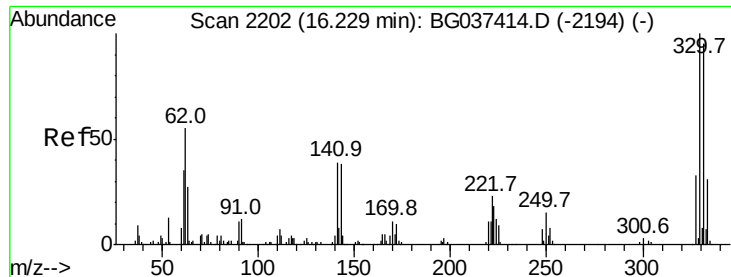
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BG037863.D
Acq: 7 Nov 2018 13:29

Tgt Ion:164 Resp: 173746
Ion Ratio Lower Upper
164 100
162 101.0 81.3 121.9
160 45.9 36.3 54.5



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





#42

2,4,6-Tribromophenol

Concen: 113.887 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG037863.D

Acq: 7 Nov 2018 13:29

Instrument :

BNA_G

ClientSampleId :

C19013081

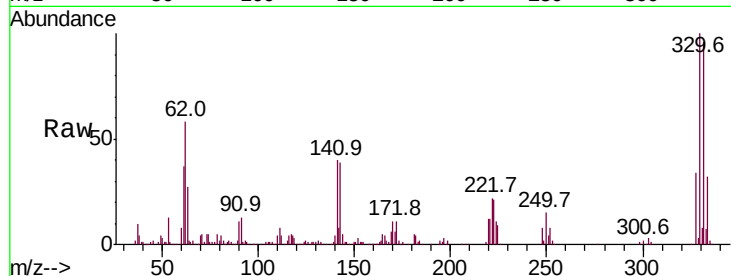
Tot Ion:330 Resp: 215819

Ion Ratio Lower Upper

330 100

332 96.3 78.4 117.6

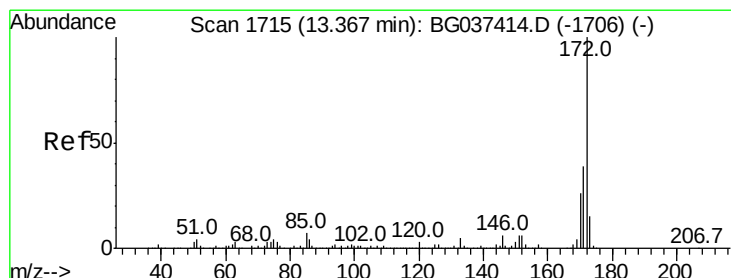
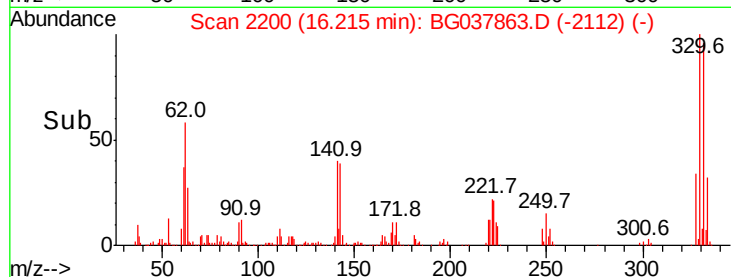
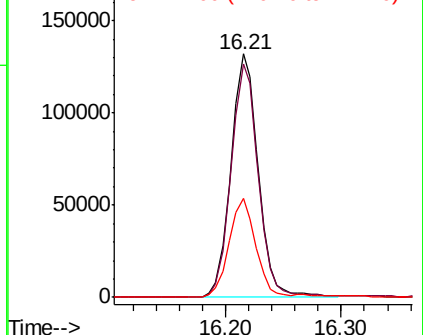
141 40.1 32.2 48.2



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



#45

2-Fluorobiphenyl

Concen: 81.059 ng

RT: 13.35 min Scan# 1712

Delta R.T. -0.02 min

Lab File: BG037863.D

Acq: 7 Nov 2018 13:29

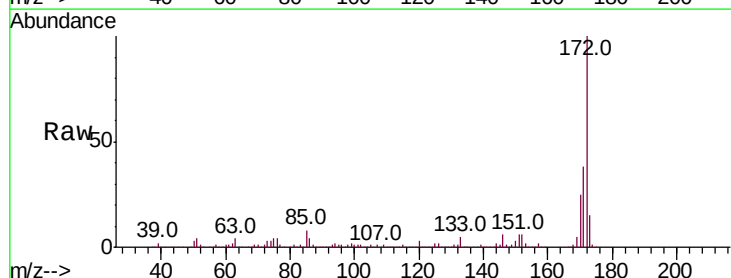
Tgt Ion:172 Resp: 933964

Ion Ratio Lower Upper

172 100

171 38.4 31.0 46.4

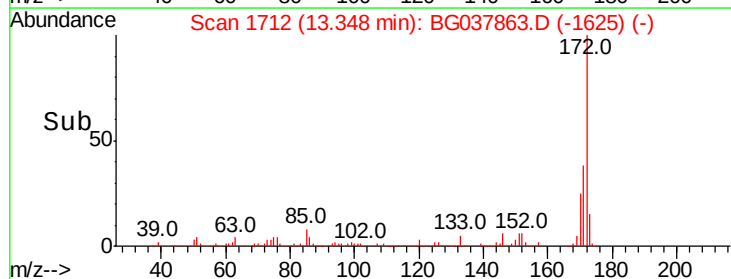
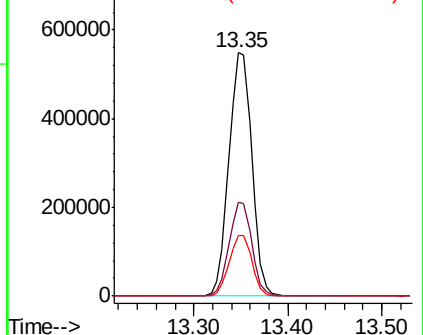
170 25.1 20.2 30.2

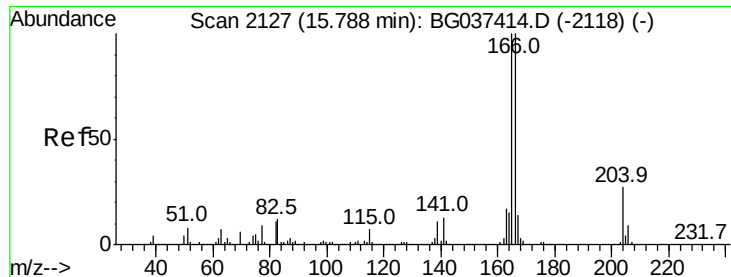


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#58

Fluorene

Concen: 4.006 ng

RT: 15.77 min Scan# 2125

Delta R.T. -0.01 min

Lab File: BG037863.D

Acq: 7 Nov 2018 13:29

Instrument :

BNA_G

ClientSampleId :

C19013081

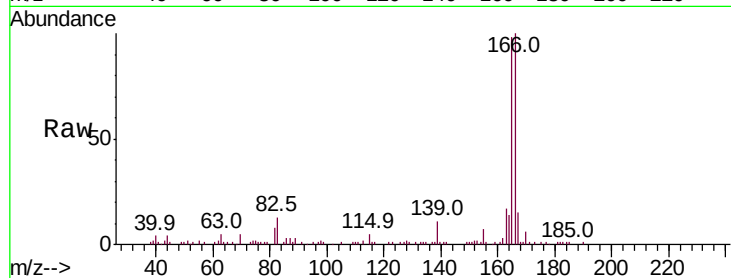
Tot Ion:166 Resp: 50125

Ion Ratio Lower Upper

166 100

165 98.4 79.0 118.6

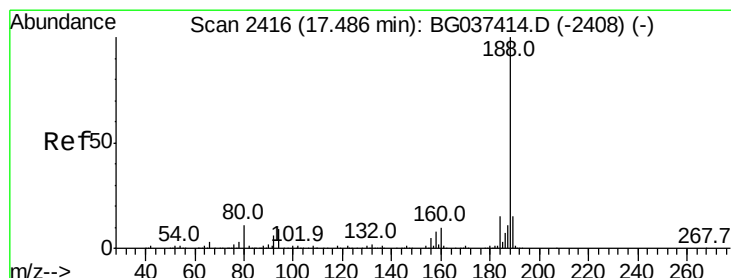
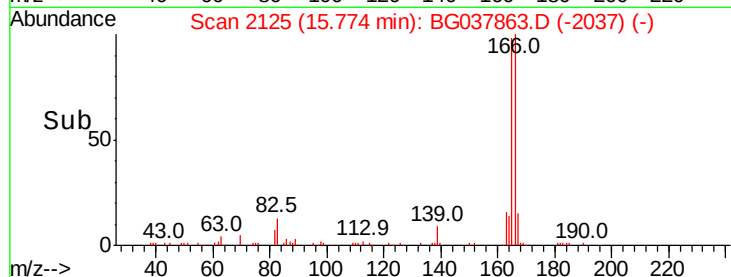
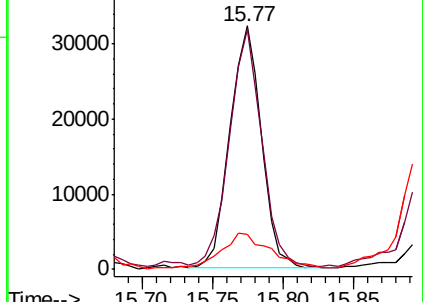
167 14.6 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2414

Delta R.T. -0.01 min

Lab File: BG037863.D

Acq: 7 Nov 2018 13:29

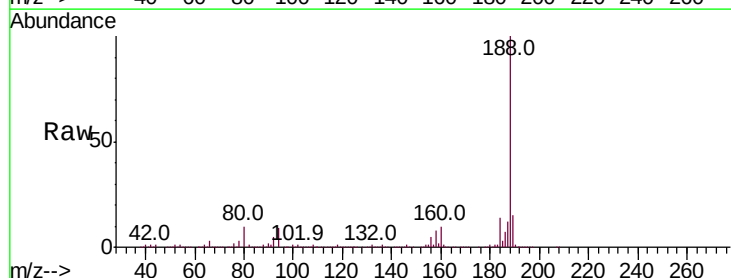
Tgt Ion:188 Resp: 381090

Ion Ratio Lower Upper

188 100

94 8.8 7.2 10.8

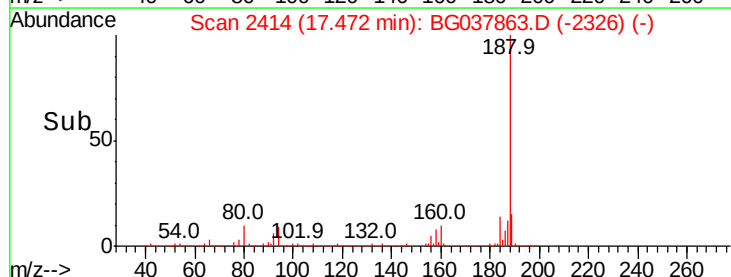
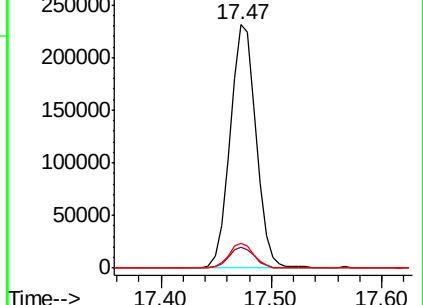
80 10.4 7.7 11.5

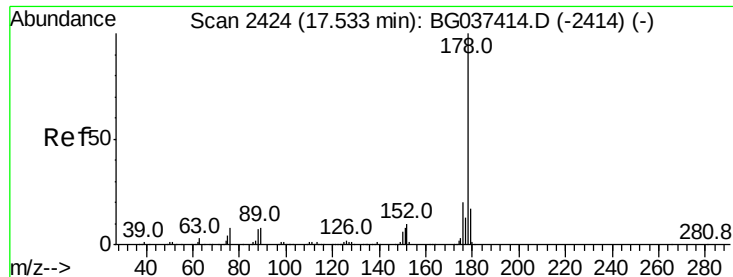


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

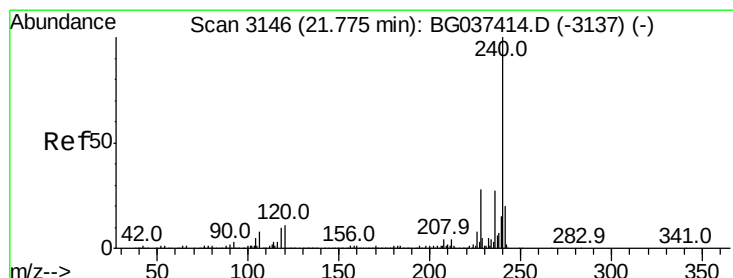
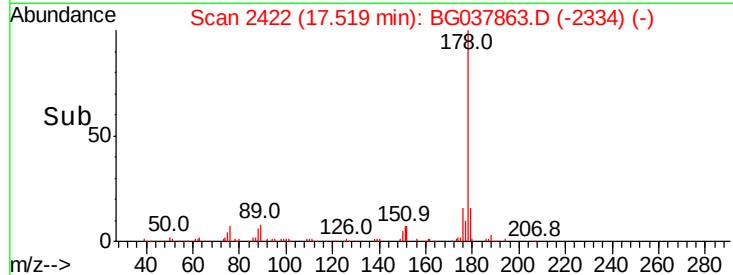
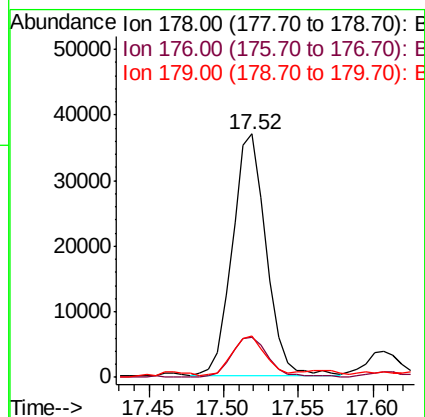
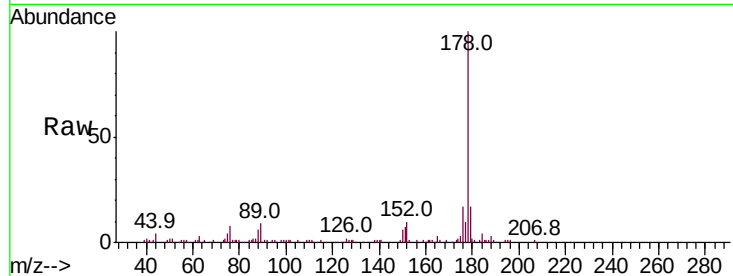




#71
Phenanthrene
Concen: 2.980 ng
RT: 17.52 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BG037863.D
Acq: 7 Nov 2018 13:29

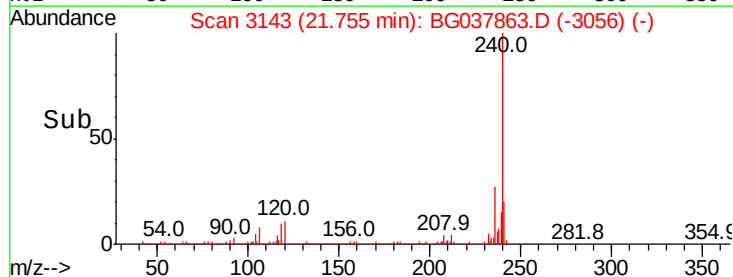
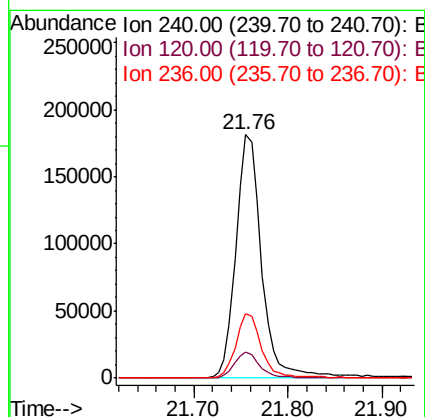
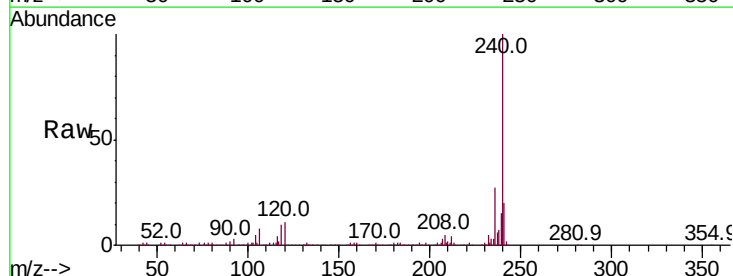
Instrument :
BNA_G
ClientSampleId :
C19013081

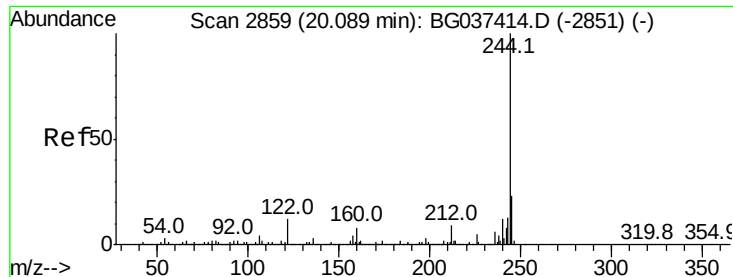
Tot Ion:178 Resp: 57726
Ion Ratio Lower Upper
178 100
176 16.5 16.1 24.1
179 16.7 13.0 19.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3143
Delta R.T. -0.02 min
Lab File: BG037863.D
Acq: 7 Nov 2018 13:29

Tgt Ion:240 Resp: 343788
Ion Ratio Lower Upper
240 100
120 10.7 8.1 12.1
236 26.6 21.4 32.0





#79

Terphenyl-d14

Concen: 80.337 ng

RT: 20.07 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BG037863.D

Acq: 7 Nov 2018 13:29

Instrument :

BNA_G

ClientSampleId :

C19013081

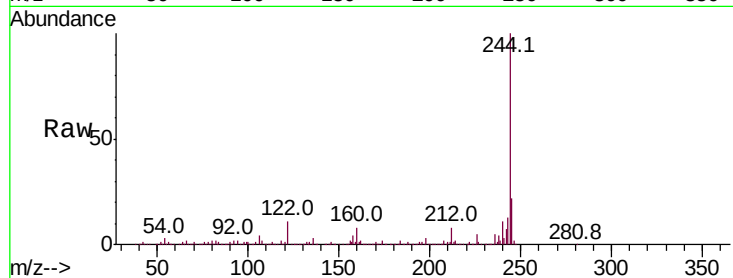
Tot Ion:244 Resp: 1292558

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

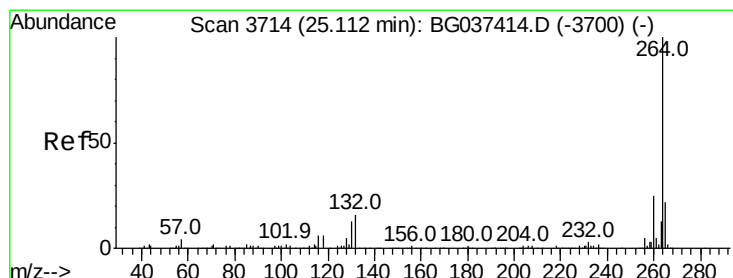
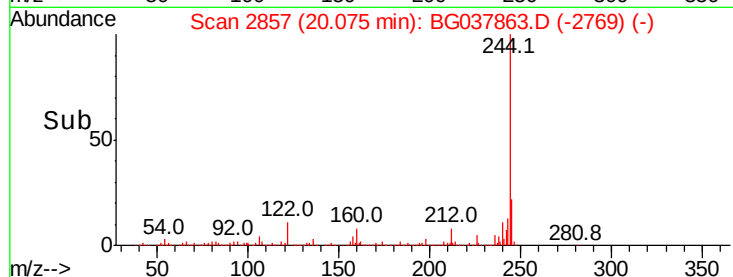
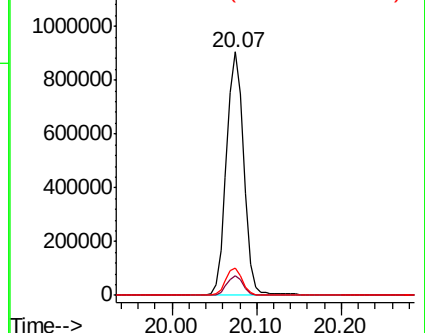
122 11.0 9.0 13.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3710

Delta R.T. -0.03 min

Lab File: BG037863.D

Acq: 7 Nov 2018 13:29

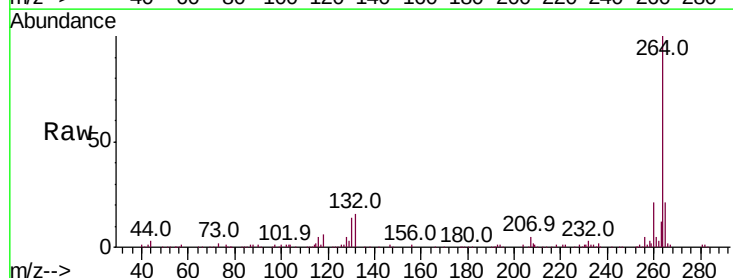
Tgt Ion:264 Resp: 312892

Ion Ratio Lower Upper

264 100

260 21.4 18.2 27.4

265 20.9 17.9 26.9



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

