

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090518\
 Data File : BG036563.D
 Acq On : 5 Sep 2018 16:40
 Operator : JU/SJ
 Sample : J4741-24
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A0C2-03-D

Quant Time: Sep 05 17:27:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 31 13:03:20 2018
 Response via : Initial Calibration

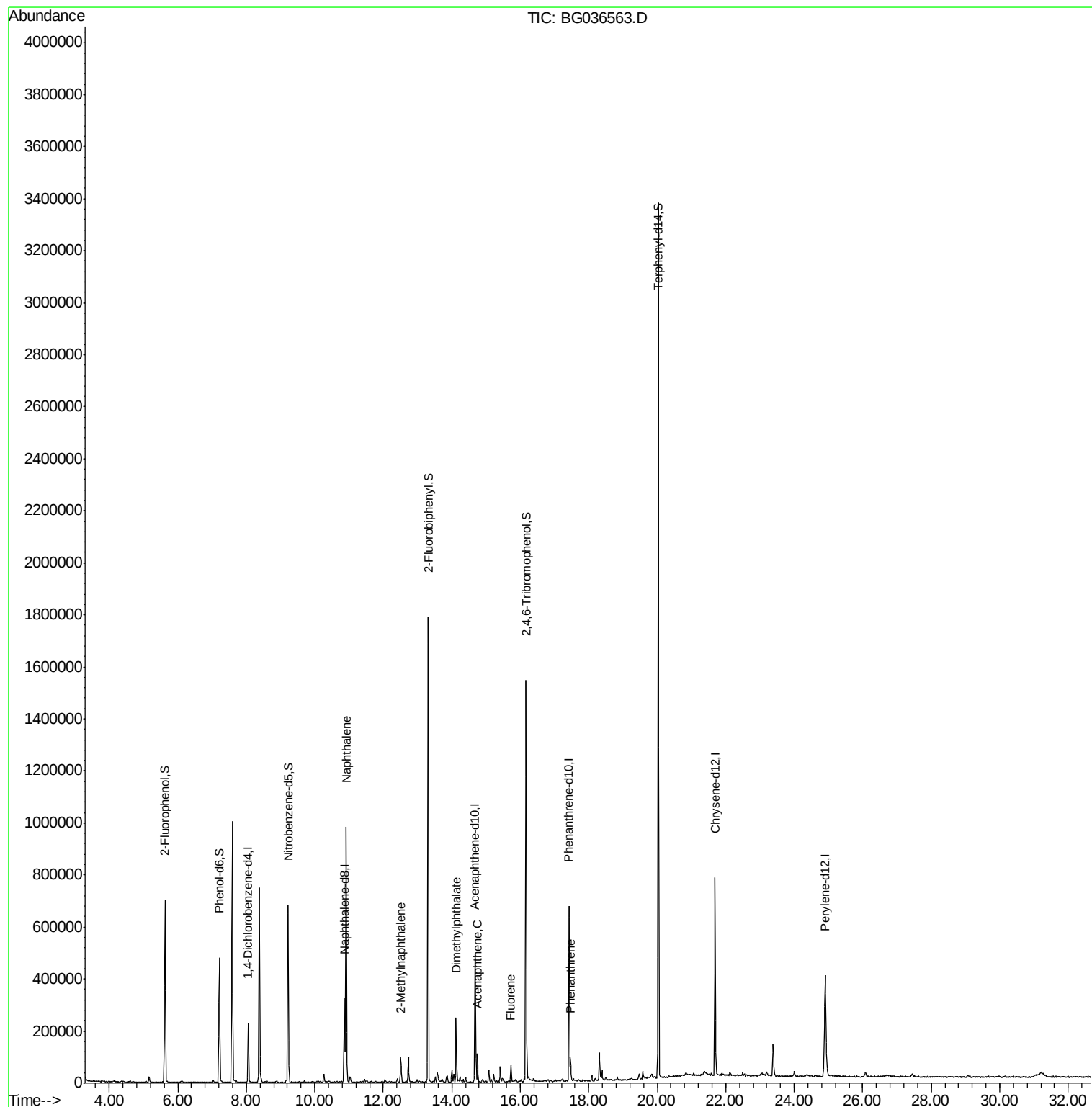
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	63192	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	268325	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	170162	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	439914	20.00	ng	0.00
75) Chrysene-d12	21.69	240	460646	20.00	ng	0.00
86) Perylene-d12	24.90	264	461322	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	294760	73.99	ng	0.00
7) Phenol-d6	7.21	99	276026	48.40	ng	0.00
23) Nitrobenzene-d5	9.22	82	415020	83.92	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	292058	143.84	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	936466	78.58	ng	0.00
78) Terphenyl-d14	20.03	244	1549202	78.61	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.91	128	818668	61.034	ng	99
37) 2-Methylnaphthalene	12.52	142	46096	4.697	ng	99
49) Dimethylphthalate	14.13	163	169100	12.170	ng	99
51) Acenaphthene	14.74	154	40055	3.711	ng	97
57) Fluorene	15.73	166	28359	2.244	ng	99
70) Phenanthrene	17.47	178	56704	2.537	ng	94

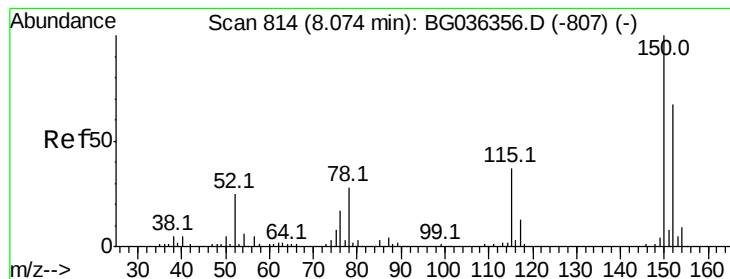
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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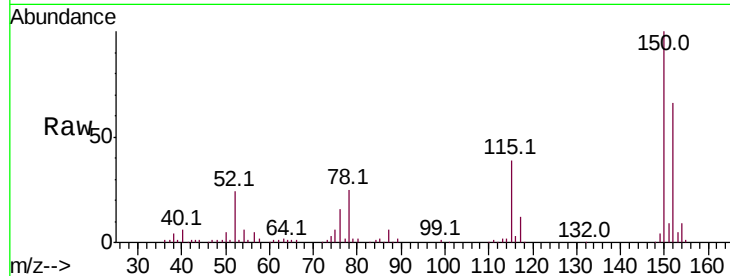


#1

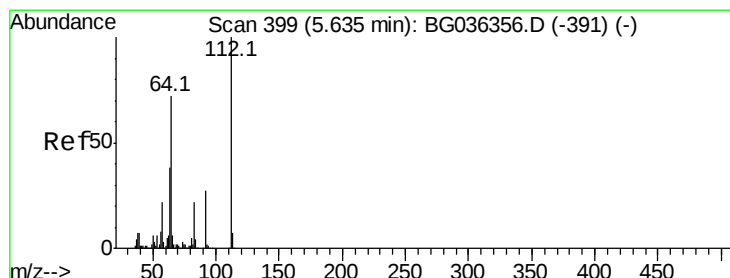
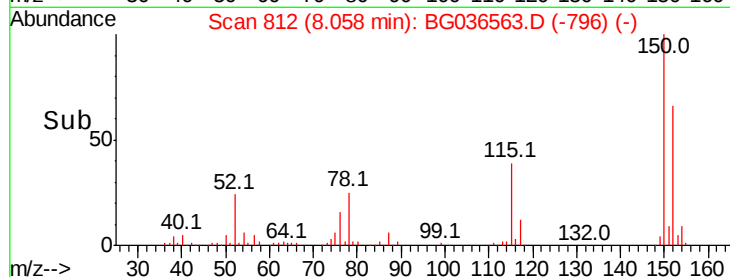
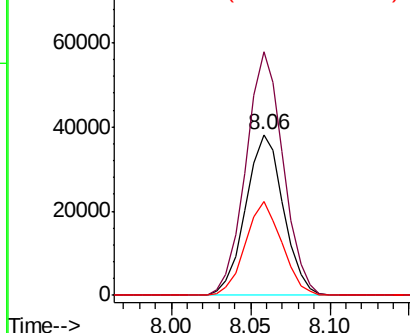
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.01 min
Lab File: BG036563.D
Acq: 5 Sep 2018 16:40

Instrument :
BNA_G
ClientSampleId :
A0C2-03-D

Tot Ion:152 Resp: 63192
Ion Ratio Lower Upper
152 100
150 151.2 119.5 179.3
115 58.4 44.5 66.7



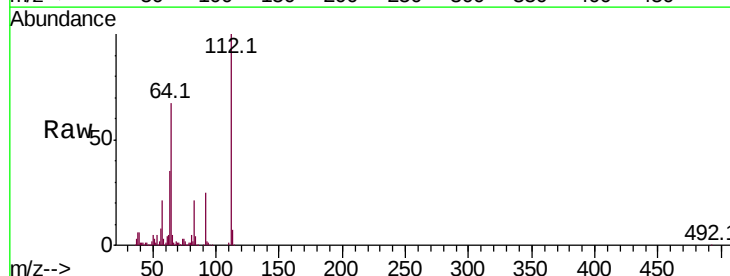
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



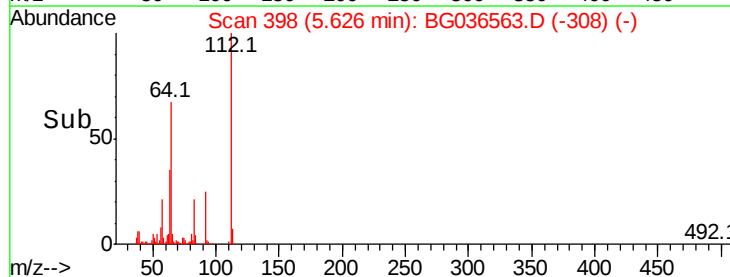
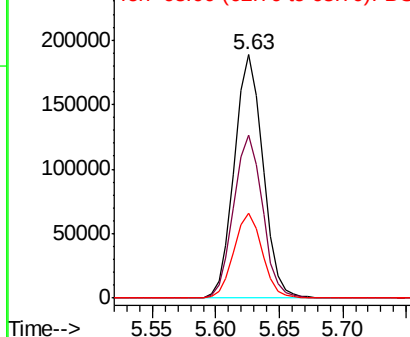
#5

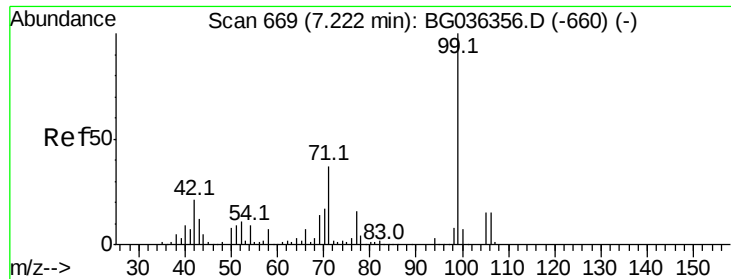
2-Fluorophenol
Concen: 73.993 ng
RT: 5.63 min Scan# 398
Delta R.T. 0.00 min
Lab File: BG036563.D
Acq: 5 Sep 2018 16:40

Tgt Ion:112 Resp: 294760
Ion Ratio Lower Upper
112 100
64 67.0 57.2 85.8
63 34.6 30.8 46.2



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: 48.395 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG036563.D

Acq: 5 Sep 2018 16:40

Instrument :

BNA_G

ClientSampleId :

A0C2-03-D

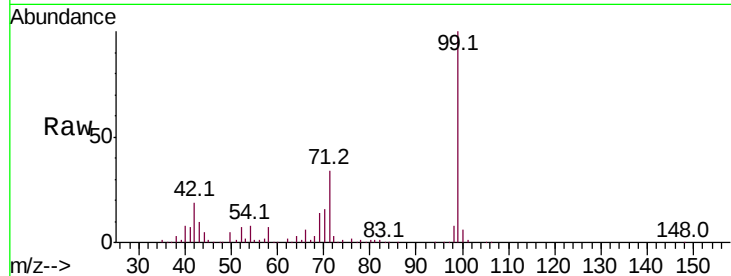
Tot Ion: 99 Resp: 276026

Ion Ratio Lower Upper

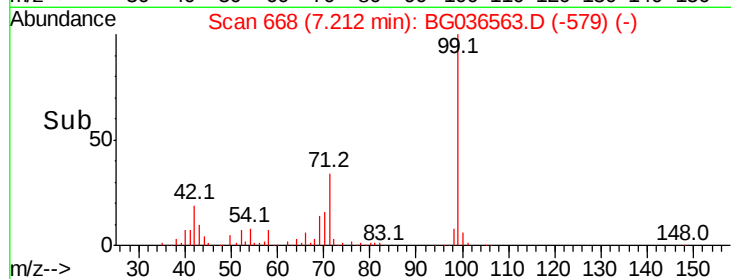
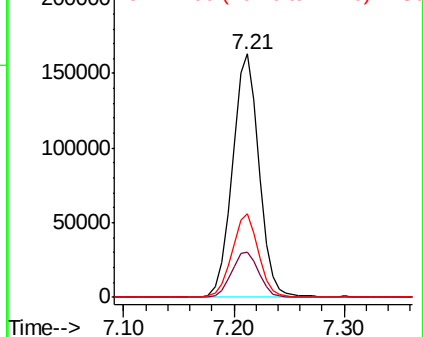
99 100

42 18.5 16.5 24.7

71 34.2 29.4 44.2



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: 10.87 min Scan# 1290

Delta R.T. 0.00 min

Lab File: BG036563.D

Acq: 5 Sep 2018 16:40

Tgt Ion: 136 Resp: 268325

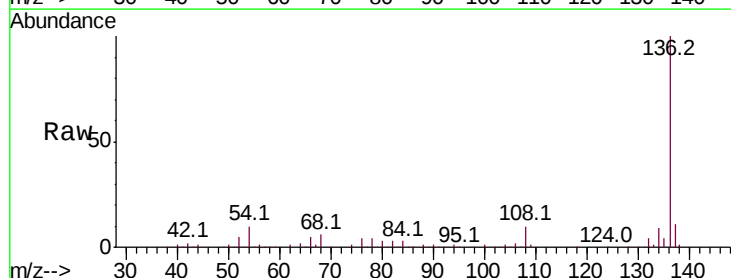
Ion Ratio Lower Upper

136 100

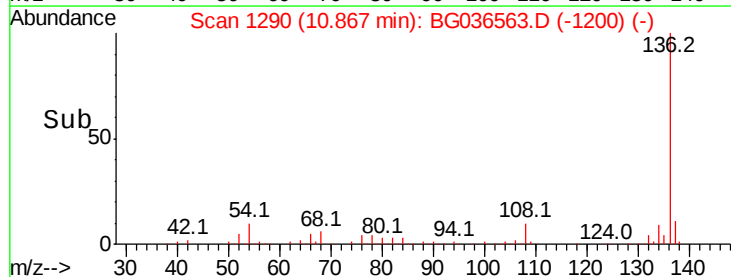
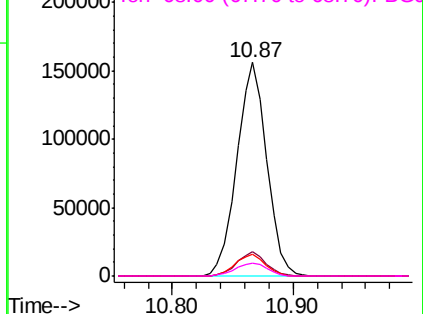
137 11.4 8.8 13.2

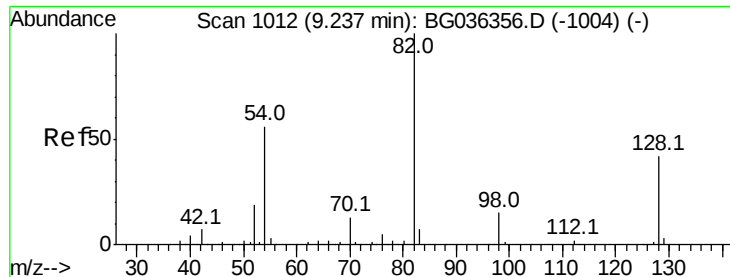
54 10.1 9.2 13.8

68 5.7 5.8 8.6#



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

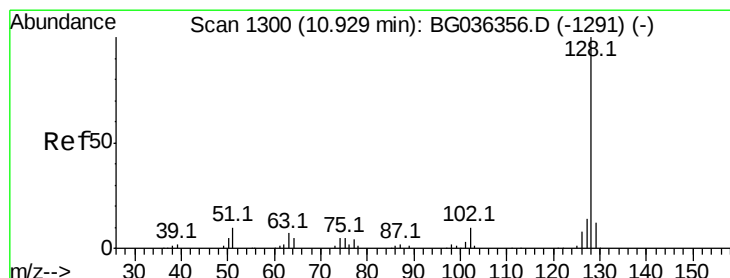
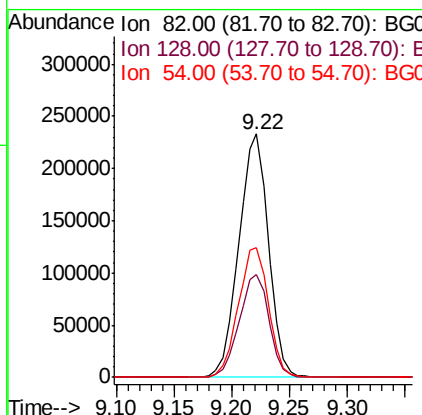
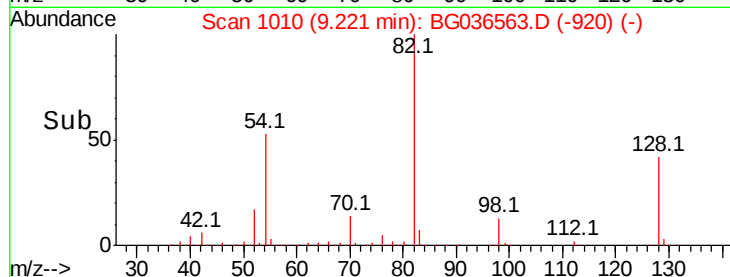
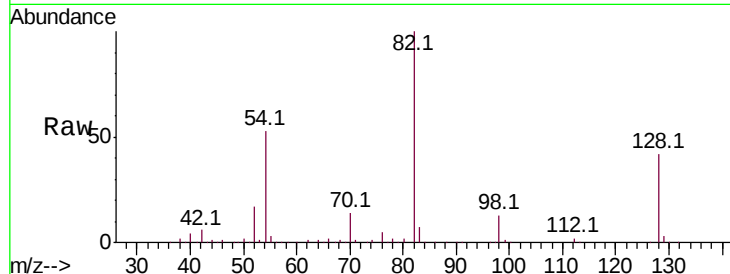




#23
 Nitrobenzene-d5
 Concen: 83.919 ng
 RT: 9.22 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: BG036563.D
 Acq: 5 Sep 2018 16:40

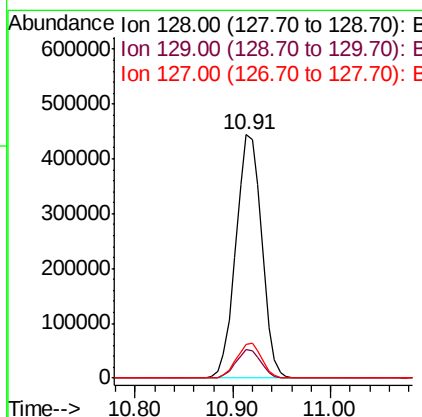
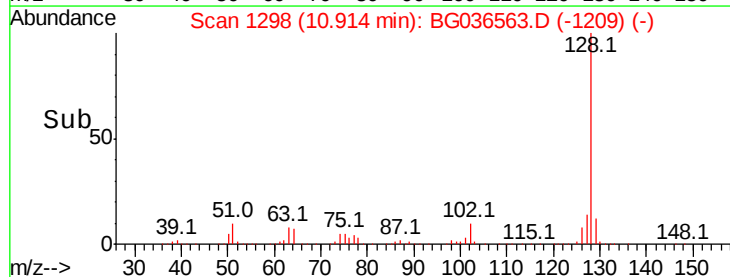
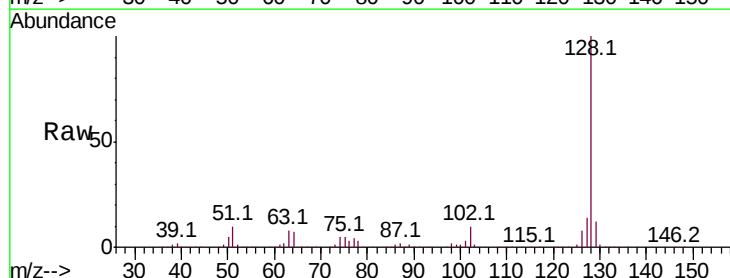
Instrument :
 BNA_G
 ClientSampleId :
 A0C2-03-D

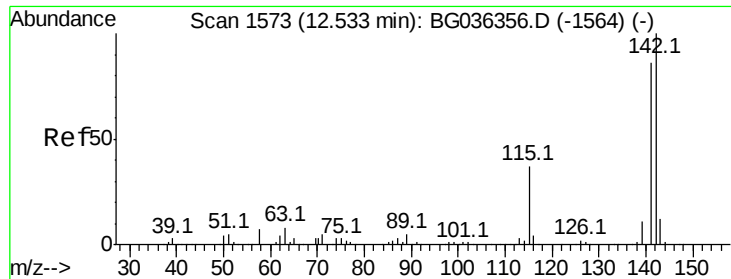
Tot Ion: 82 Resp: 415020
 Ion Ratio Lower Upper
 82 100
 128 42.3 33.3 49.9
 54 53.4 45.1 67.7



#31
 Naphthalene
 Concen: 61.034 ng
 RT: 10.91 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BG036563.D
 Acq: 5 Sep 2018 16:40

Tgt Ion: 128 Resp: 818668
 Ion Ratio Lower Upper
 128 100
 129 12.0 9.4 14.2
 127 14.1 11.0 16.4

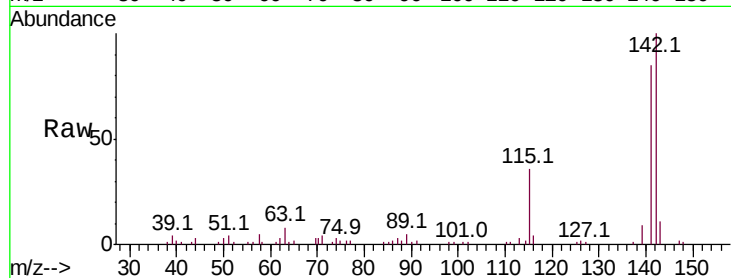




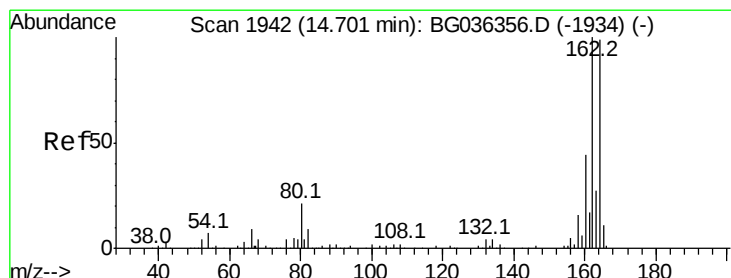
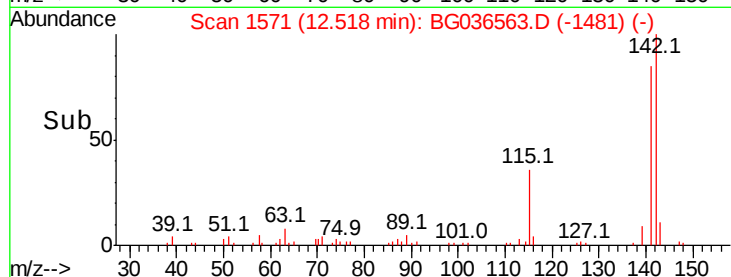
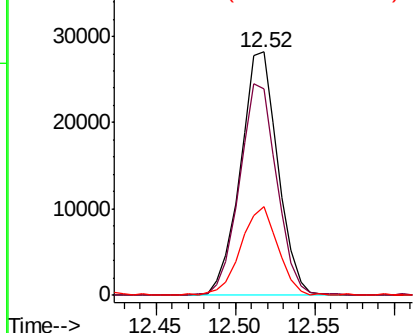
#37
 2-Methylnaphthalene
 Concen: 4.697 ng
 RT: 12.52 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BG036563.D
 Acq: 5 Sep 2018 16:40

Instrument :
 BNA_G
 ClientSampleId :
 A0C2-03-D

Tot Ion:142 Resp: 46096
 Ion Ratio Lower Upper
 142 100
 141 84.7 68.5 102.7
 115 36.4 29.8 44.8

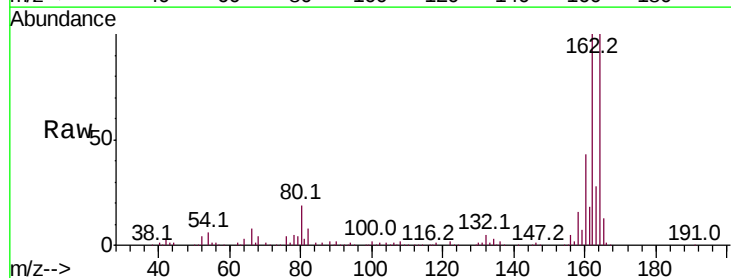


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

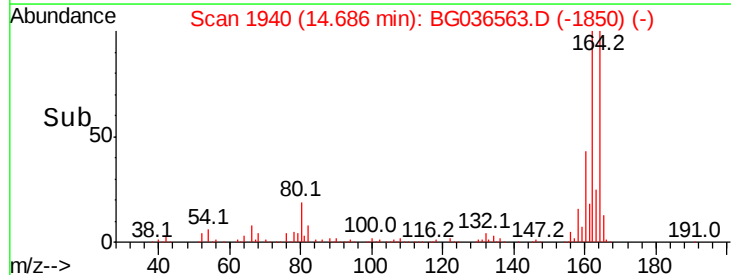
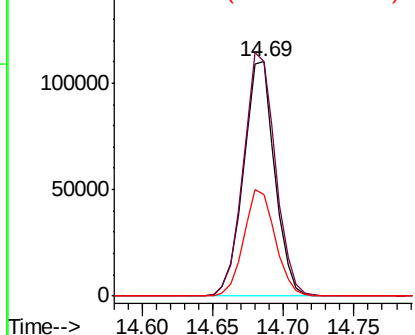


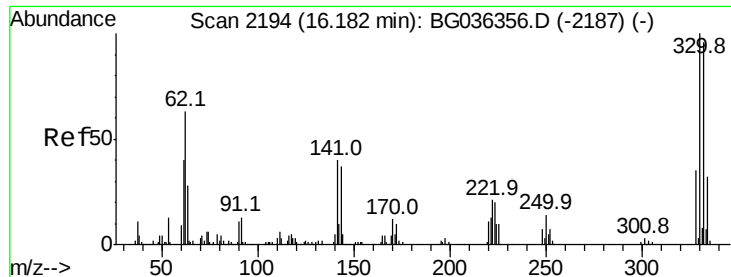
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: BG036563.D
 Acq: 5 Sep 2018 16:40

Tgt Ion:164 Resp: 170162
 Ion Ratio Lower Upper
 164 100
 162 100.5 80.7 121.1
 160 43.6 35.3 52.9



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

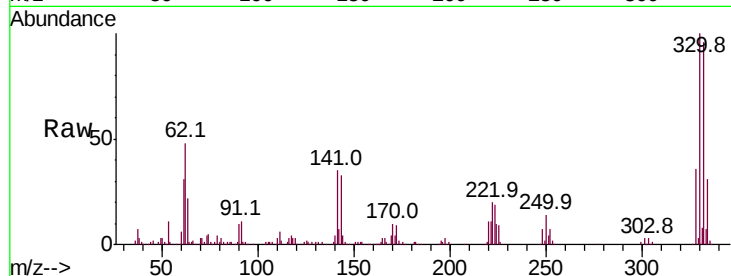




#41
 2,4,6-Tribromophenol
 Concen: 143.842 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: BG036563.D
 Acq: 5 Sep 2018 16:40

Instrument :
 BNA_G
 ClientSampled :
 A0C2-03-D

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.4	113.2
141	36.6	30.7	46.1

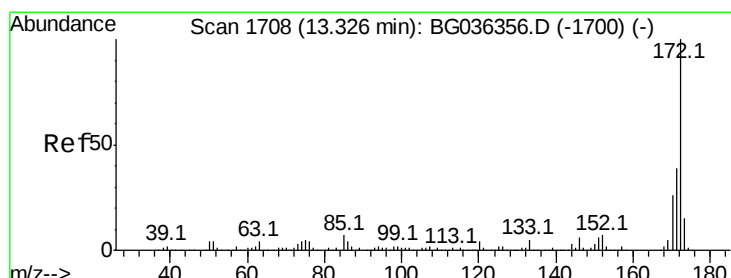
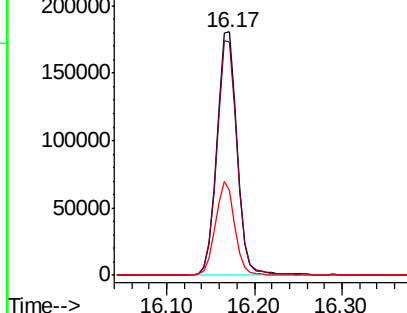
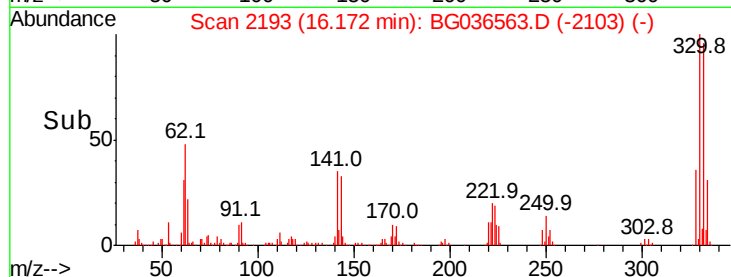


Abundance

Ion 329.80 (329.50 to 330.50): E

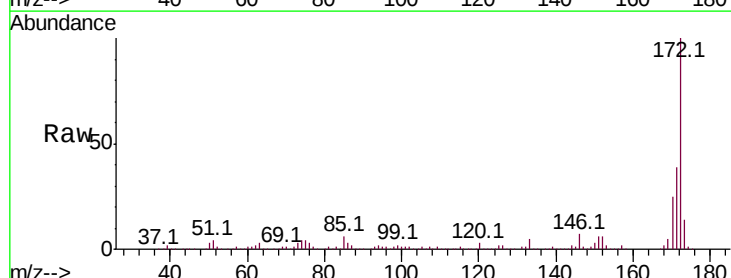
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 78.578 ng
 RT: 13.31 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: BG036563.D
 Acq: 5 Sep 2018 16:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.4	31.3	46.9
170	25.3	21.0	31.6

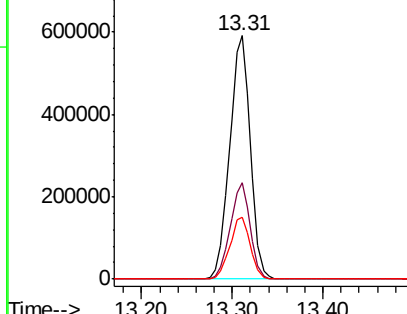
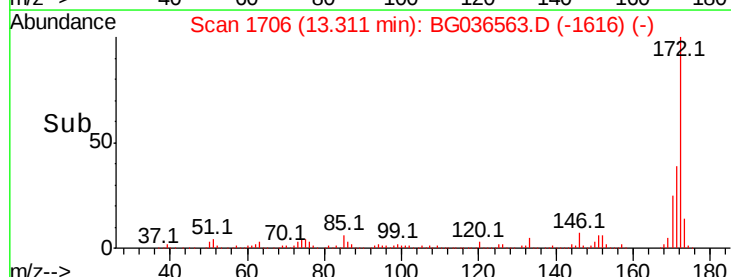


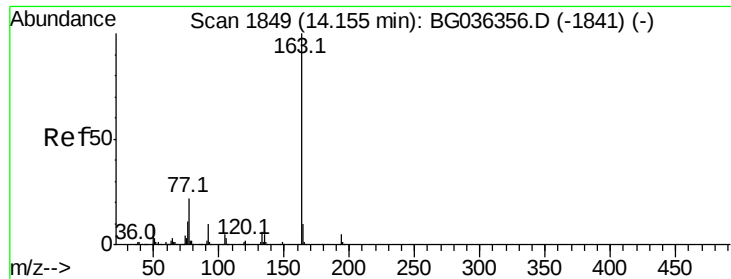
Abundance

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





#49

Dimethylphthalate

Concen: 12.170 ng

RT: 14.13 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BG036563.D

Acq: 5 Sep 2018 16:40

Instrument :

BNA_G

ClientSampleId :

A0C2-03-D

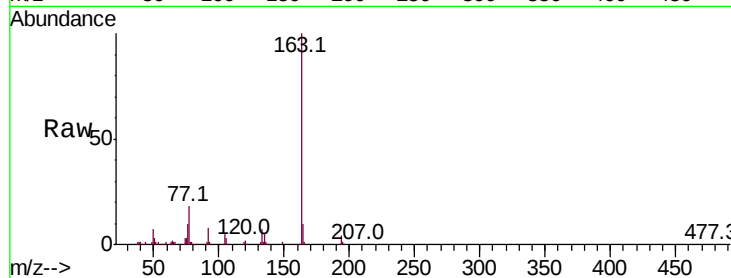
Tot Ion:163 Resp: 169100

Ion Ratio Lower Upper

163 100

194 4.4 4.0 6.0

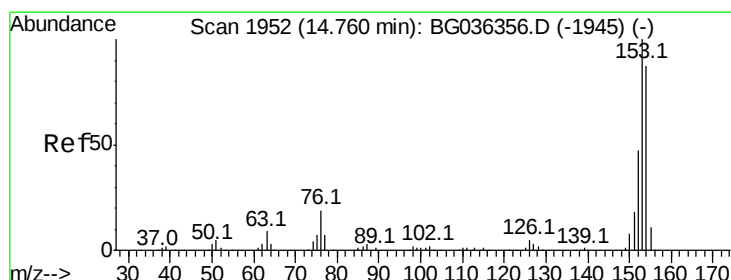
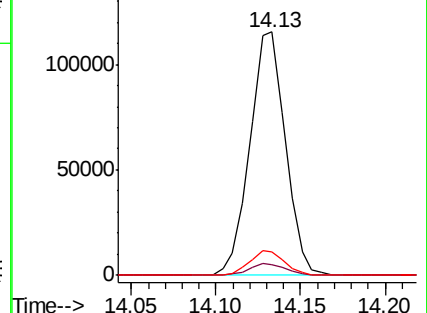
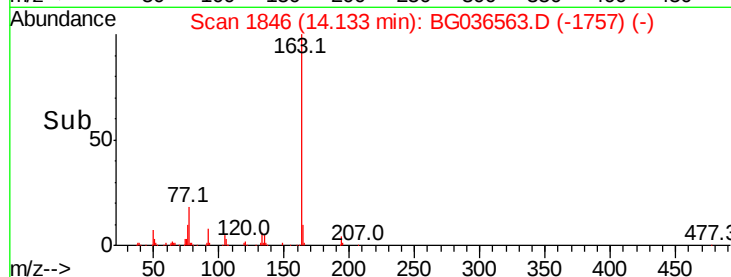
164 9.9 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 3.711 ng

RT: 14.74 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BG036563.D

Acq: 5 Sep 2018 16:40

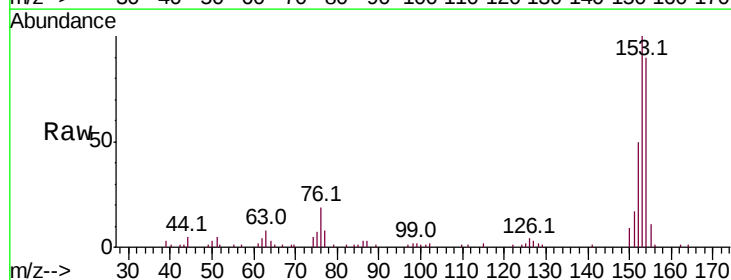
Tgt Ion:154 Resp: 40055

Ion Ratio Lower Upper

154 100

153 110.5 91.8 137.6

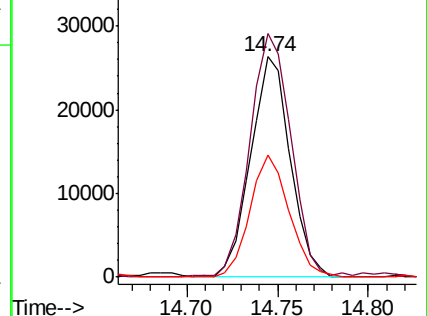
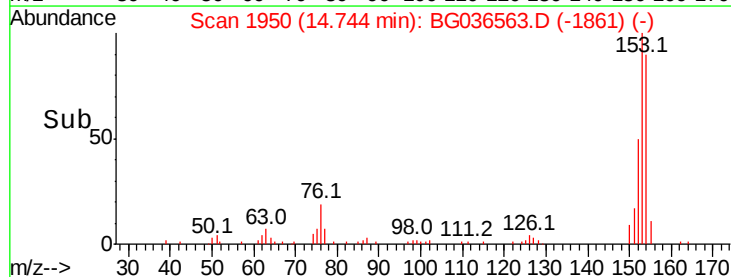
152 55.3 43.5 65.3

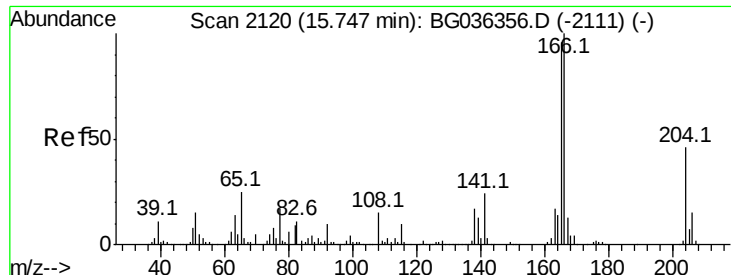


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

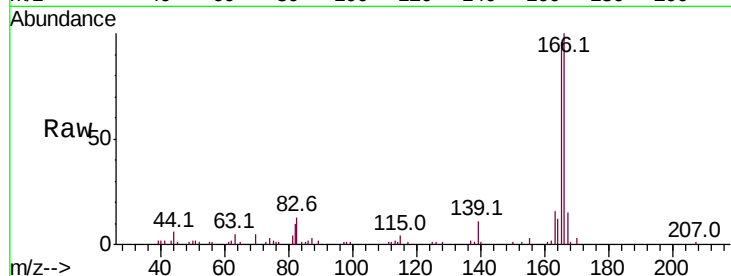




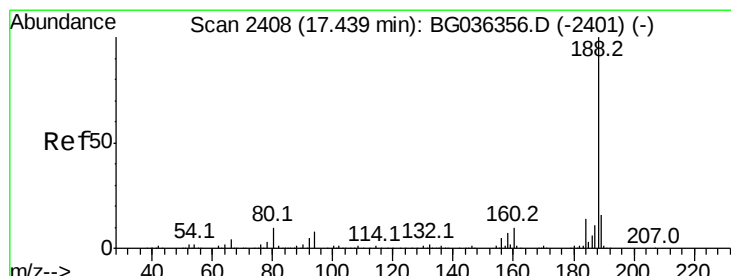
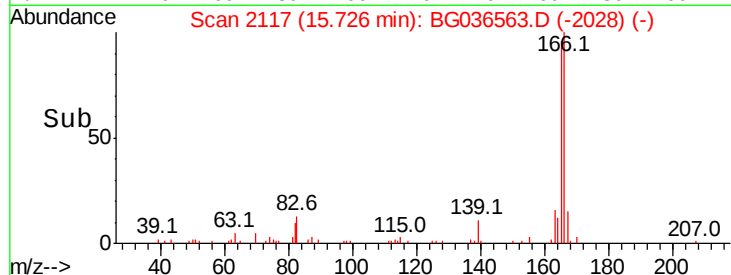
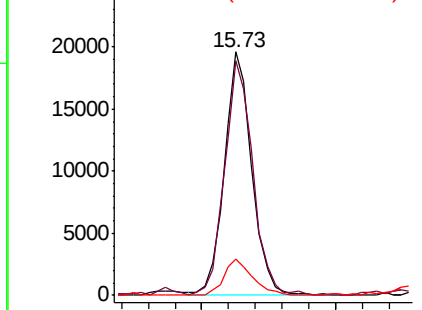
#57
Fluorene
 Concen: 2.244 ng
 RT: 15.73 min Scan# 2117
 Delta R.T. -0.01 min
 Lab File: BG036563.D
 Acq: 5 Sep 2018 16:40

Instrument :
 BNA_G
 ClientSampleId :
 A0C2-03-D

Tot Ion:166 Resp: 28359
 Ion Ratio Lower Upper
 166 100
 165 96.5 77.0 115.4
 167 14.8 10.6 16.0

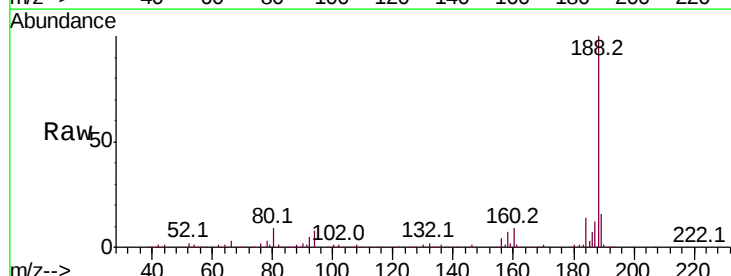


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

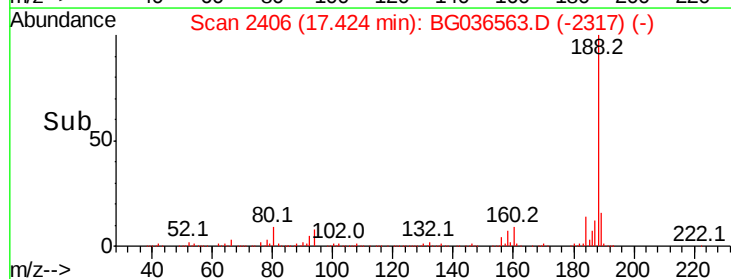
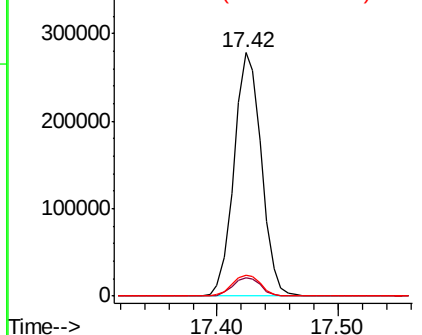


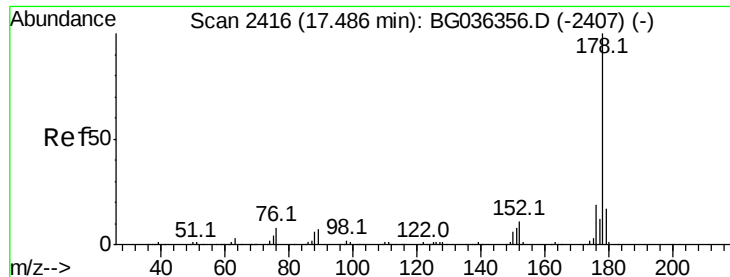
#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2406
 Delta R.T. -0.01 min
 Lab File: BG036563.D
 Acq: 5 Sep 2018 16:40

Tgt Ion:188 Resp: 439914
 Ion Ratio Lower Upper
 188 100
 94 7.8 6.7 10.1
 80 8.8 8.1 12.1



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





#70

Phenanthrene

Concen: 2.537 ng

RT: 17.47 min Scan# 2414

Delta R.T. 0.00 min

Lab File: BG036563.D

Acq: 5 Sep 2018 16:40

Instrument :

BNA_G

ClientSampleId :

A0C2-03-D

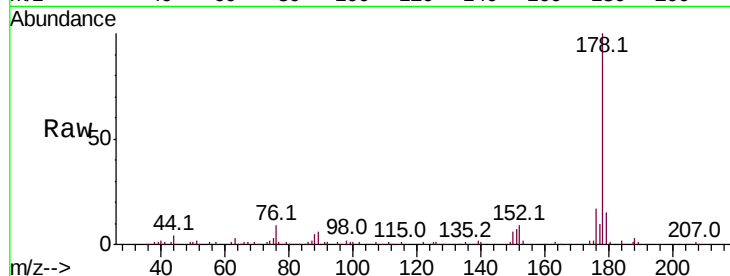
Tot Ion:178 Resp: 56704

Ion Ratio Lower Upper

178 100

176 16.7 15.4 23.2

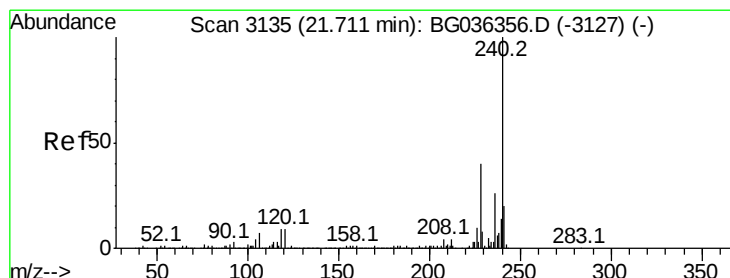
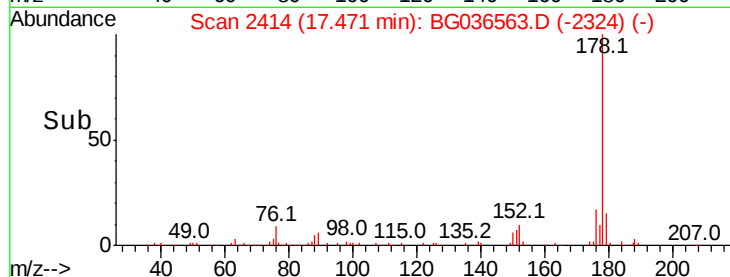
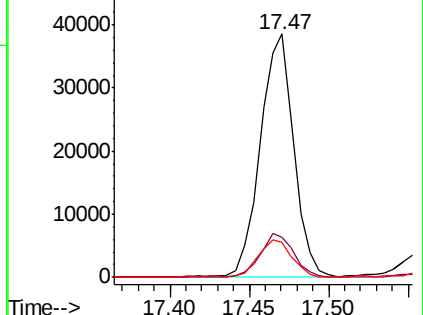
179 14.6 13.4 20.2



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BG036563.D

Acq: 5 Sep 2018 16:40

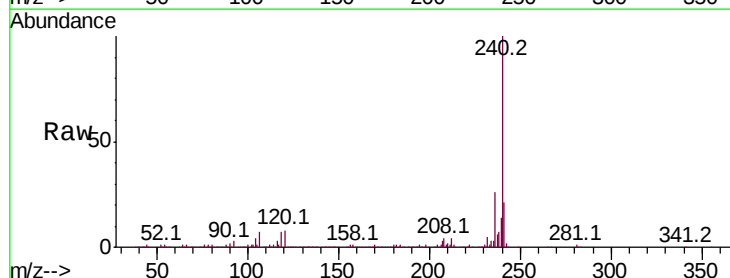
Tgt Ion:240 Resp: 460646

Ion Ratio Lower Upper

240 100

120 8.1 6.9 10.3

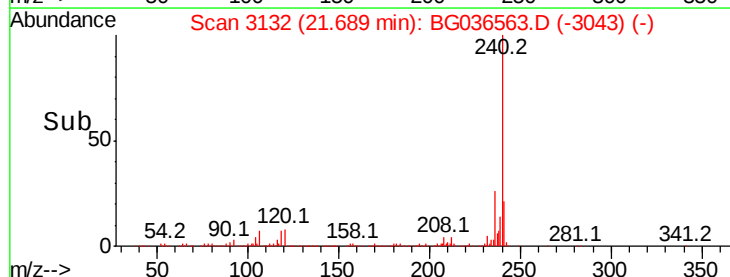
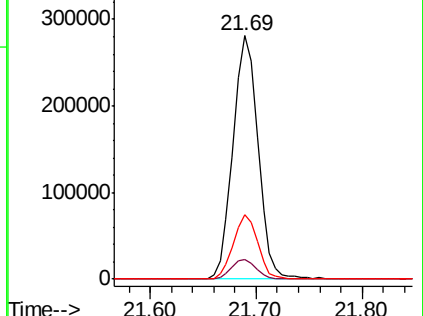
236 26.5 21.2 31.8

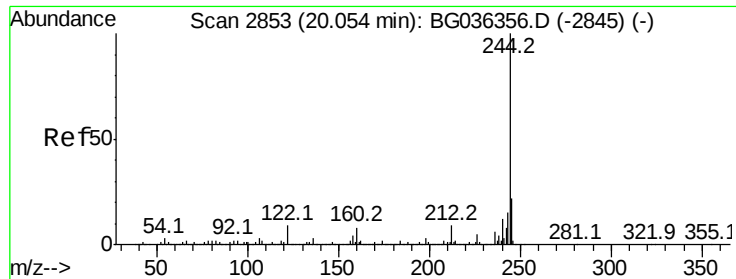


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



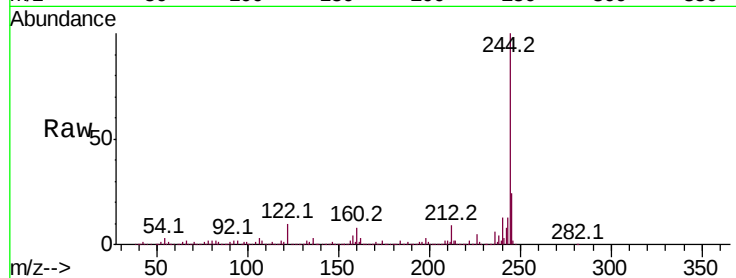


#78
 Terphenyl-d14
 Concen: 78.607 ng
 RT: 20.03 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: BG036563.D
 Acq: 5 Sep 2018 16:40

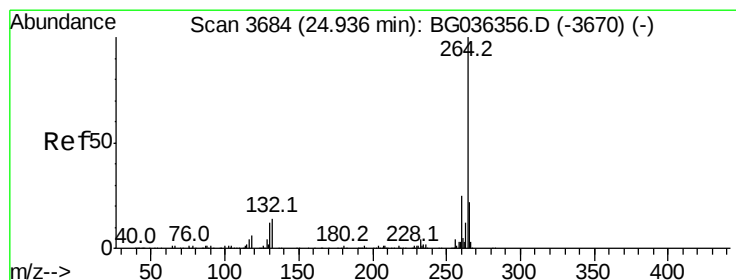
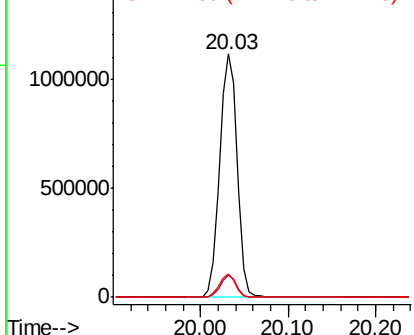
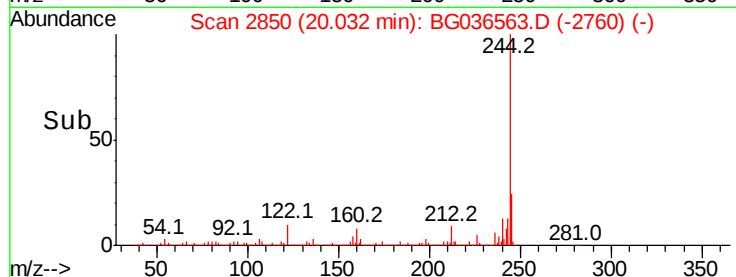
Instrument :
 BNA_G
 ClientSampled :
 A0C2-03-D

Tot Ion:244 Resp: 1549202

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.0	10.6
122	9.7	7.1	10.7



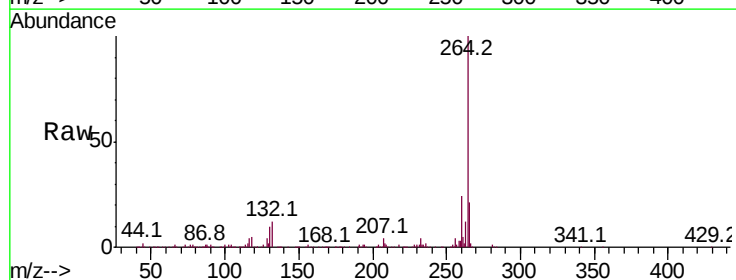
Abundance Ion 244.00 (243.70 to 244.70): E
 1500000 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.90 min Scan# 3679
 Delta R.T. 0.00 min
 Lab File: BG036563.D
 Acq: 5 Sep 2018 16:40

Tgt Ion:264 Resp: 461322

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	21.0	17.4	26.0



Abundance Ion 264.00 (263.70 to 264.70): E
 200000 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

