

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_M
 ClientSampleId :

Quant Time: Sep 05 17:23:37 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

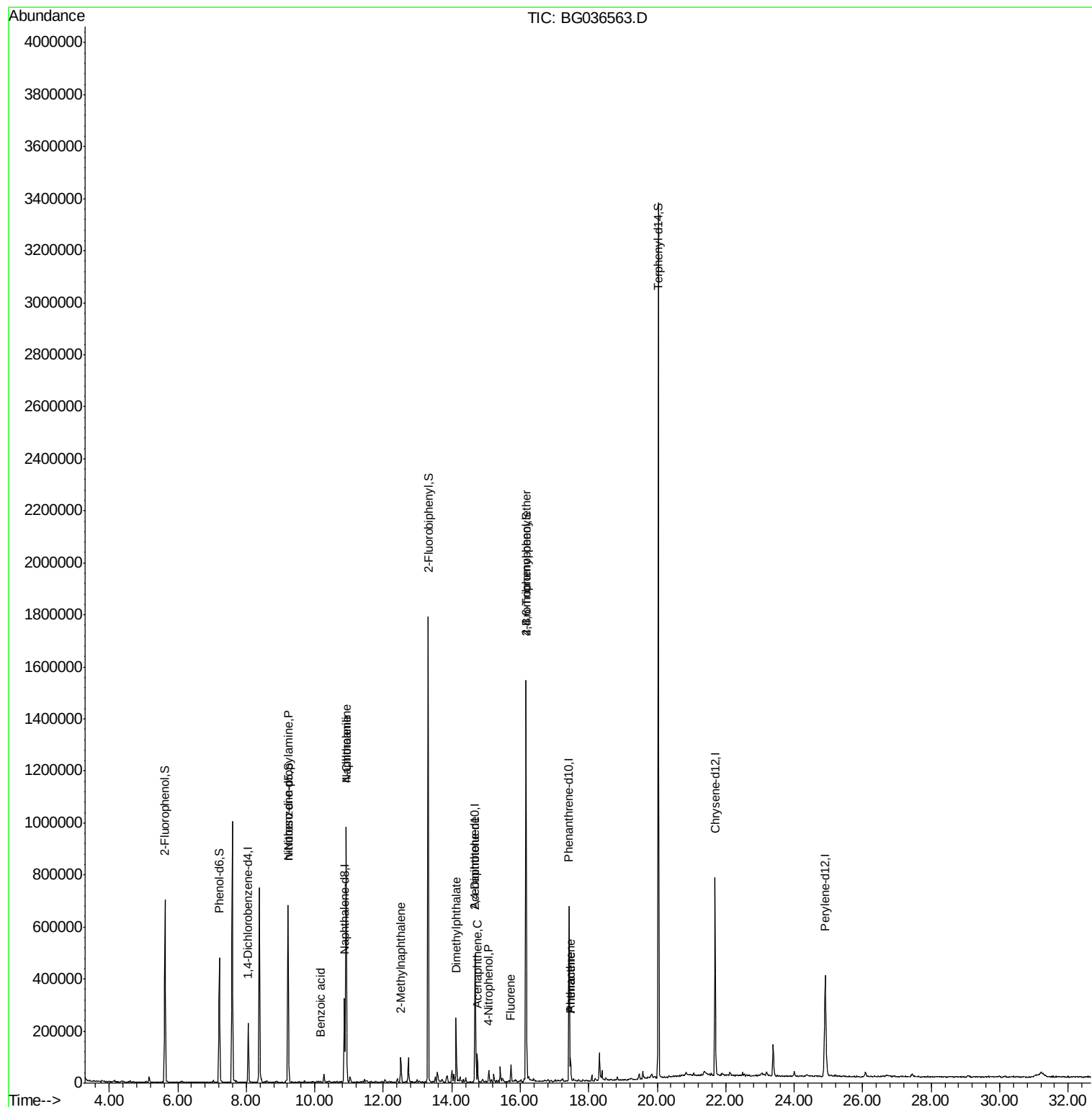
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.22	70	54963	12.894	ng	# 68
31) Naphthalene	10.91	128	818668	61.034	ng	99
32) Benzoic acid	10.17	122	59	4.498	ng	# 1
33) 4-Chloroaniline	10.92	127	115519	18.794	ng	# 35
37) 2-Methylnaphthalene	12.52	142	46096	4.697	ng	99
49) Dimethylphthalate	14.13	163	169100	12.170	ng	99
51) Acenaphthene	14.74	154	40055	3.711	ng	97
55) 4-Nitrophenol	15.08	139	9410	3.735	ng	# 2
56) 2,4-Dinitrotoluene	14.68	165	23030	6.180	ng	# 20
57) Fluorene	15.73	166	28359	2.244	ng	99
66) 4-Bromophenyl-phenylether	16.17	248	20496	3.979	ng	# 1
70) Phenanthrene	17.47	178	56704	2.537	ng	94
71) Anthracene	17.47	178	56704	2.545	ng	95

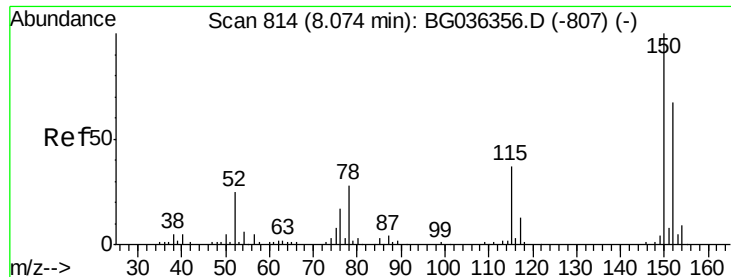
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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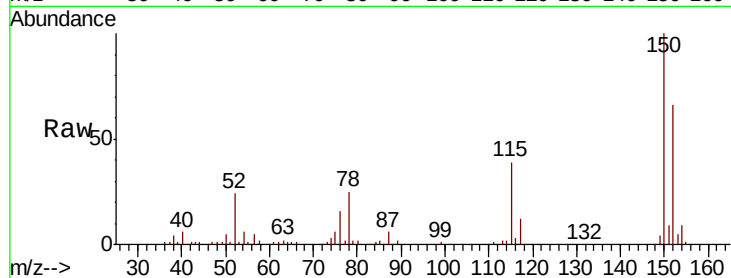


#1

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

Instrument :
BNA_M
ClientSampleId :

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

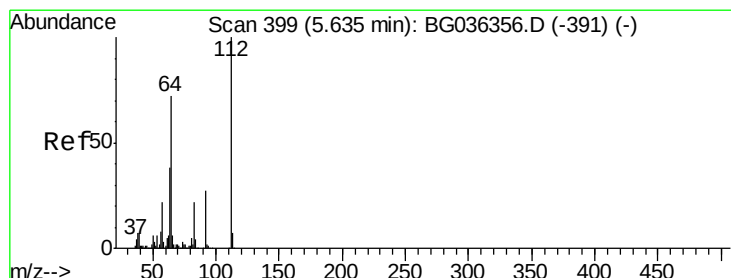
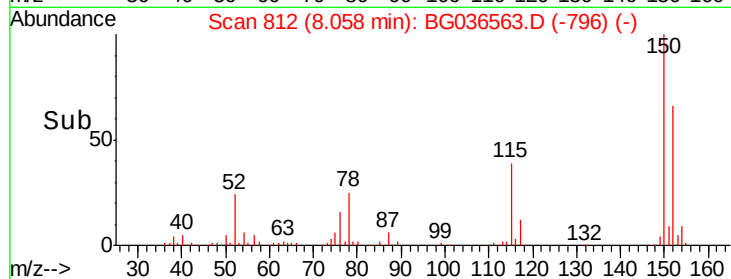
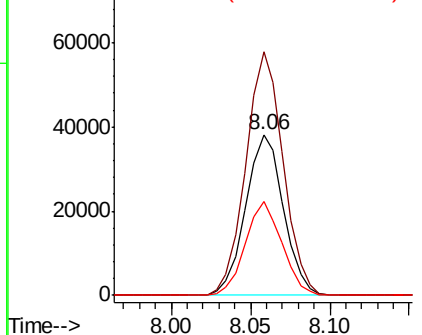


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

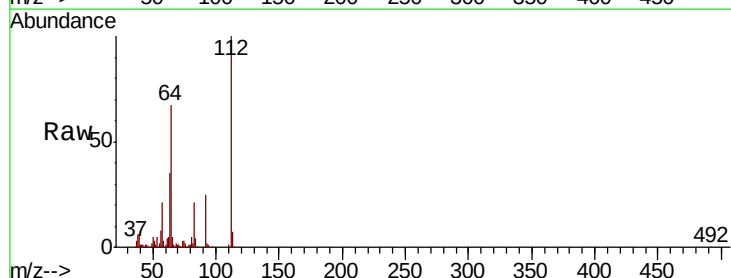
Ion 115.00 (114.70 to 115.70): E



#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	Ratio	Lower	Upper
112	100		
64	67.0	57.2	85.8
63	34.6	30.8	46.2

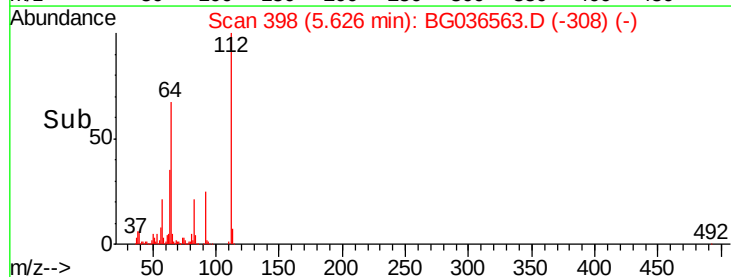
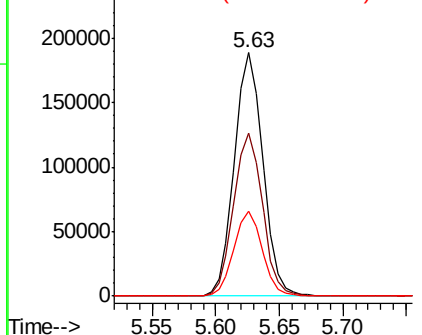


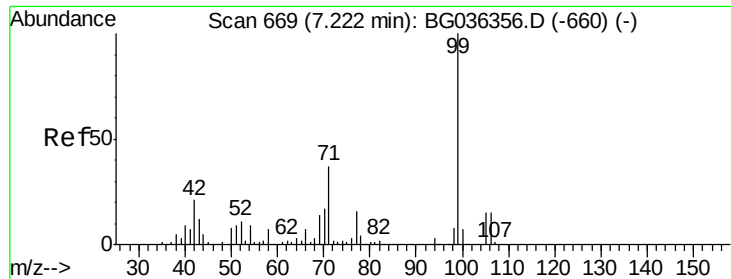
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#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_M

ClientSampleId :

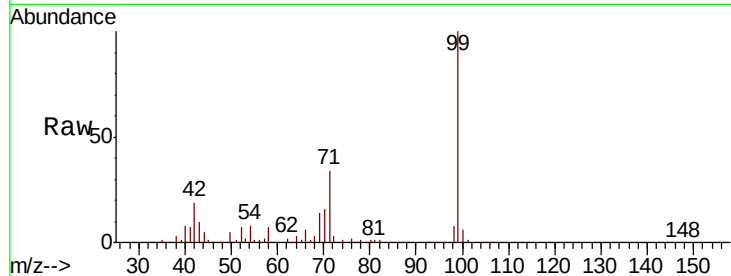
Tot Ion: 99 Resp: 276026

Ion Ratio Lower Upper

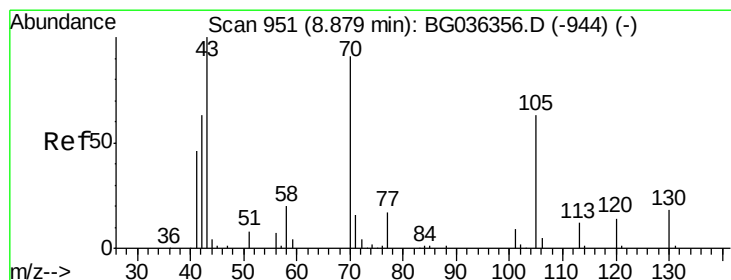
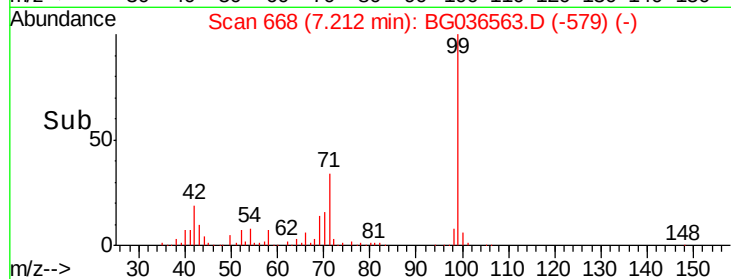
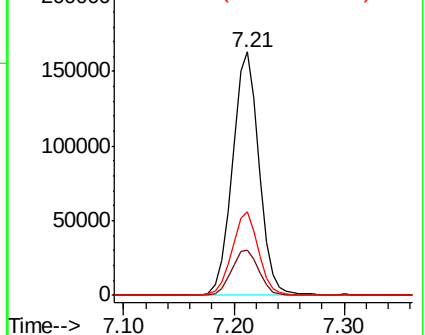
99 100

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



#19

n-Nitroso-di-n-propylamine

Concen: 12.894 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.36 min

Lab File: BG036563.D

Acq: 5 Sep 2018 16:40

Tgt Ion: 70 Resp: 54963

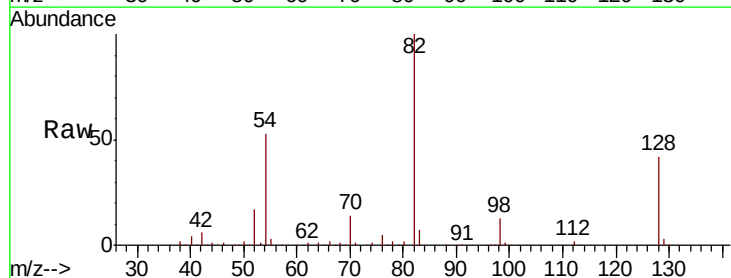
Ion Ratio Lower Upper

70 100

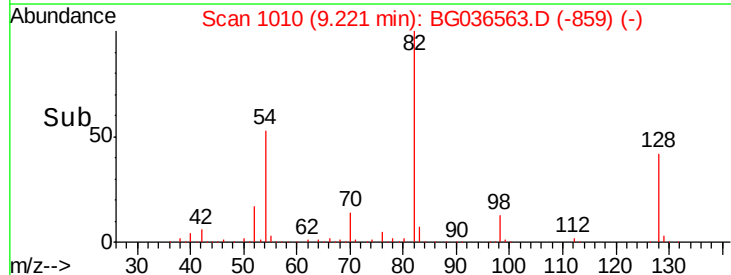
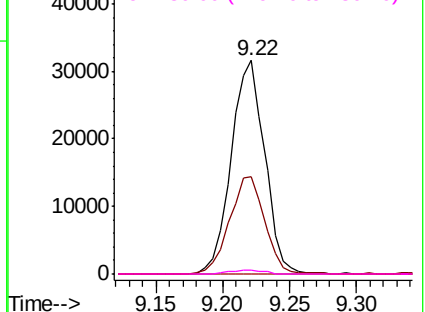
42 45.6 56.2 84.4#

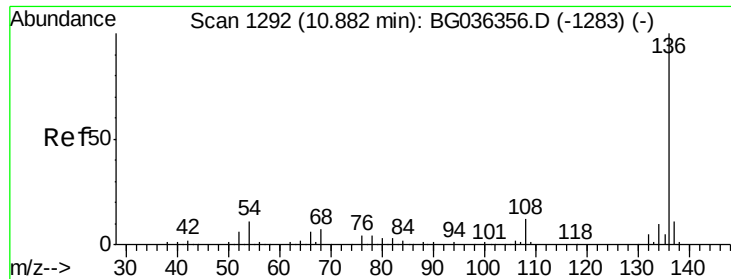
101 0.0 7.8 11.6#

130 1.6 16.2 24.2#



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

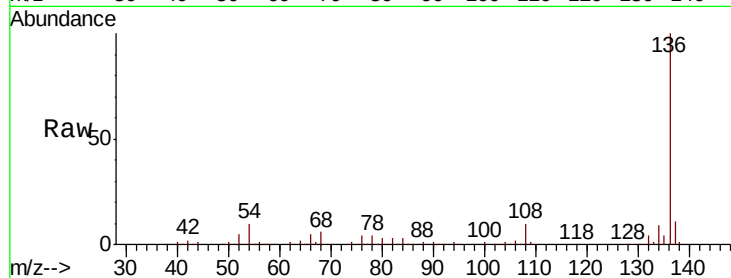




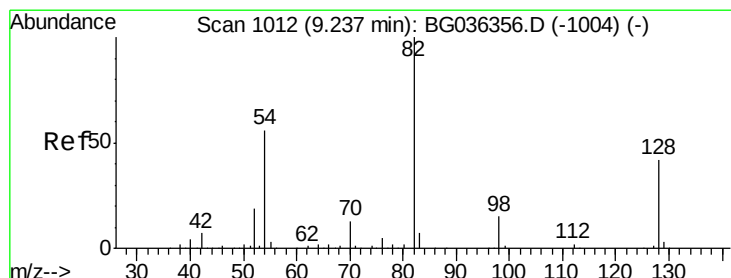
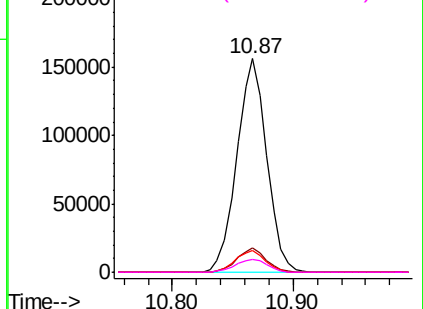
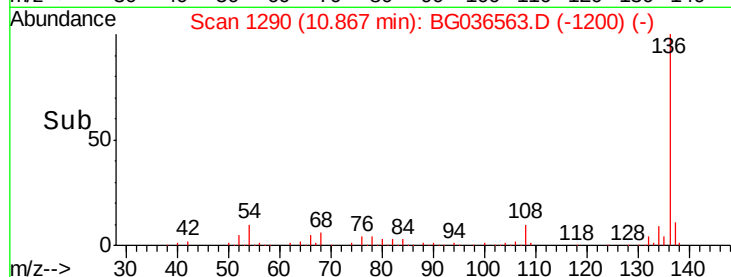
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. 0.00 min
Lab File: BG036563.D
Acq: 5 Sep 2018 16:40

Instrument :
BNA_M
ClientSampleId :

Tot 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

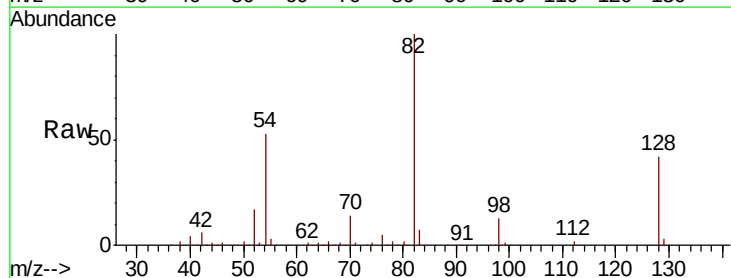


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

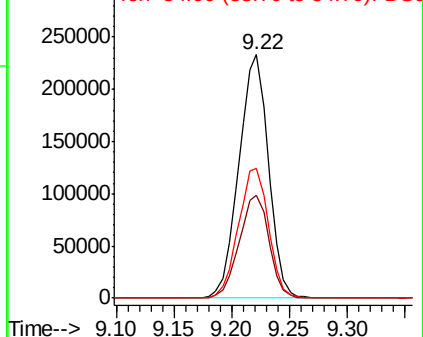
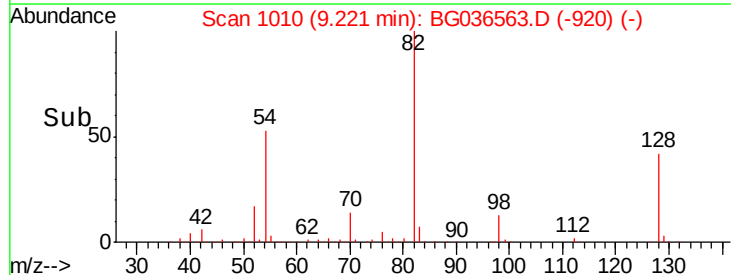


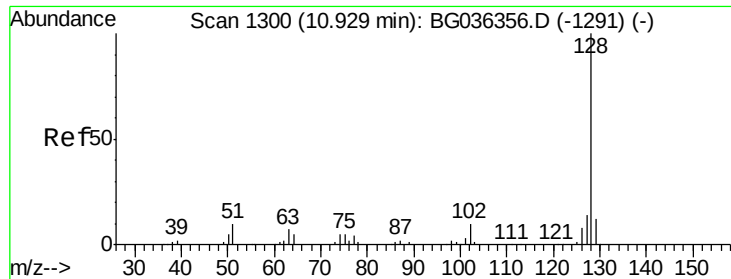
#23
Nitrobenzene-d5
Concen: 83.919 ng
RT: 9.22 min Scan# 1010
Delta R.T. 0.00 min
Lab File: BG036563.D
Acq: 5 Sep 2018 16:40

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



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

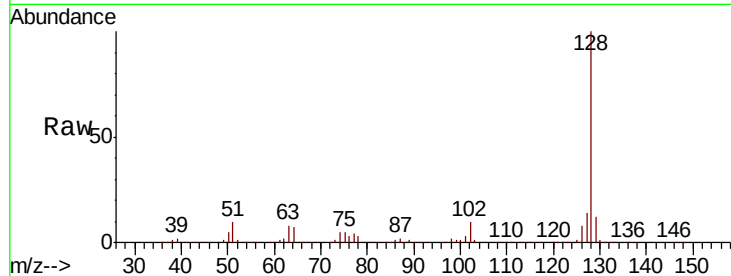




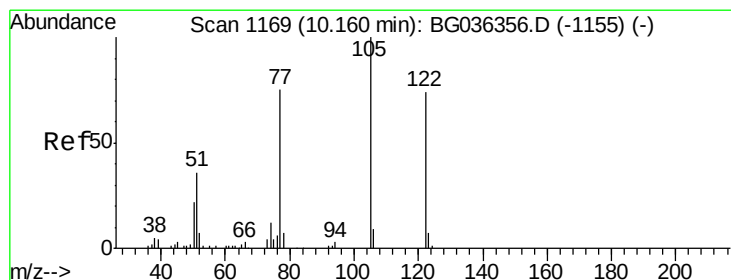
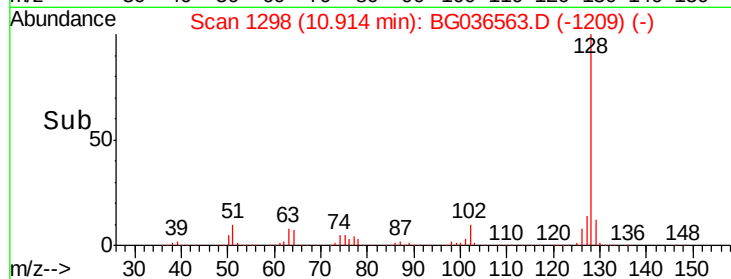
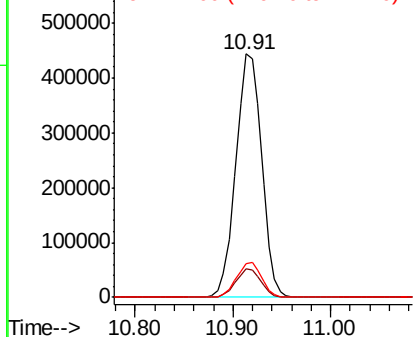
#31
Naphthalene
Concen: 61.034 ng
RT: 10.91 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BG036563.D
Acq: 5 Sep 2018 16:40

Instrument :
BNA_M
ClientSampled :

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

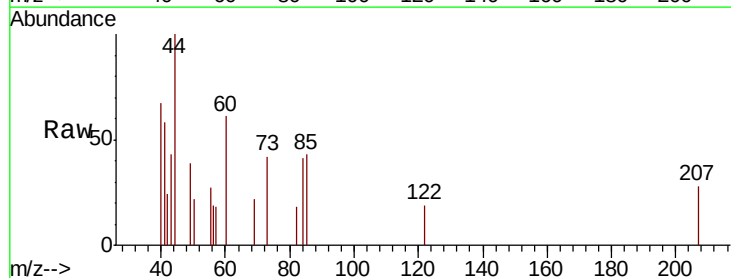


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

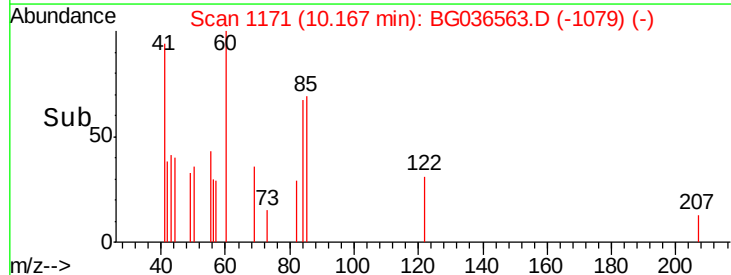
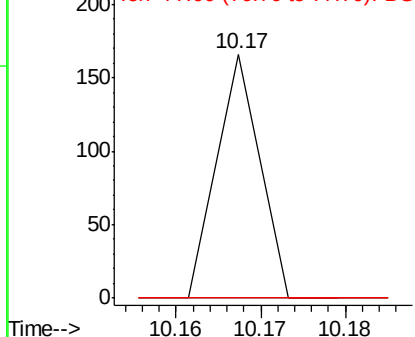


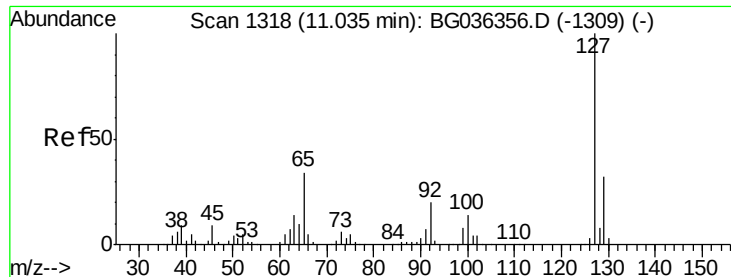
#32
Benzoic acid
Concen: 4.498 ng
RT: 10.17 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BG036563.D
Acq: 5 Sep 2018 16:40

Tgt Ion:122 Resp: 59
Ion Ratio Lower Upper
122 100
105 0.0 108.1 148.1#
77 0.0 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG

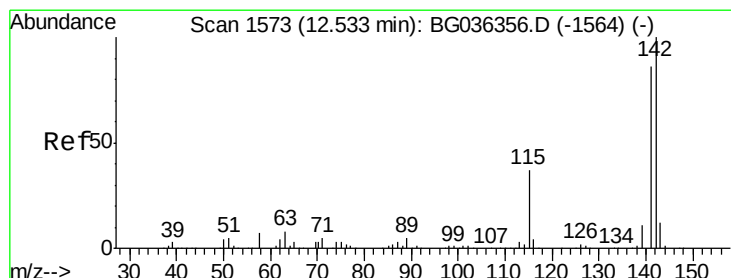
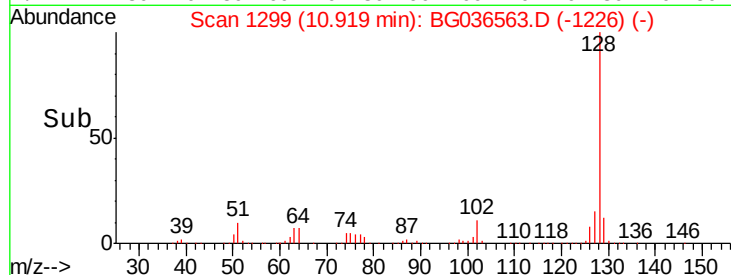
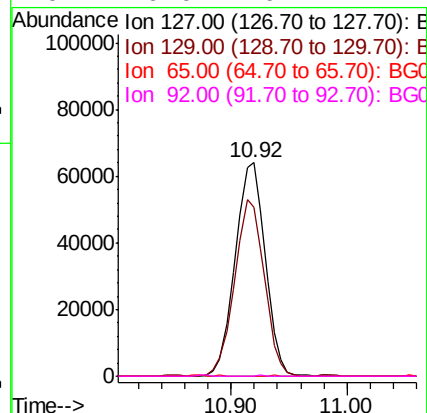
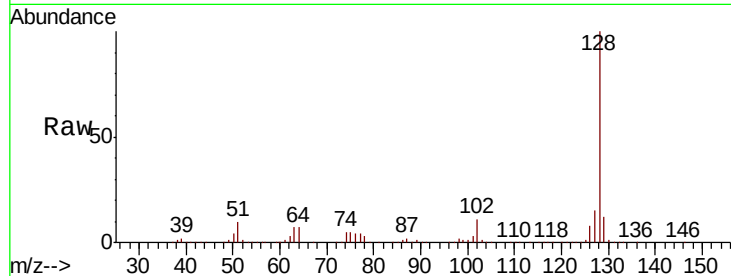




#33
4-Chloroaniline
Concen: 18.794 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.10 min
Lab File: BG036563.D
Acq: 5 Sep 2018 16:40

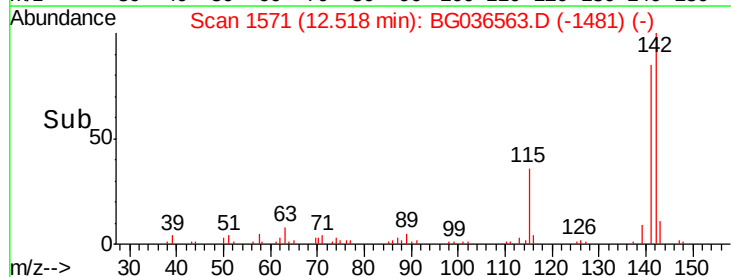
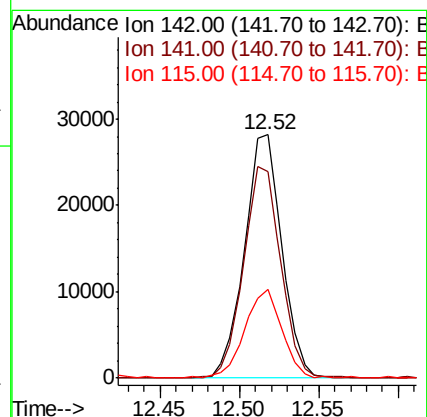
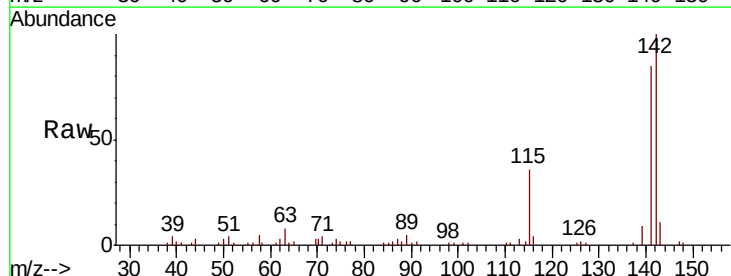
Instrument :
BNA_M
ClientSampleId :

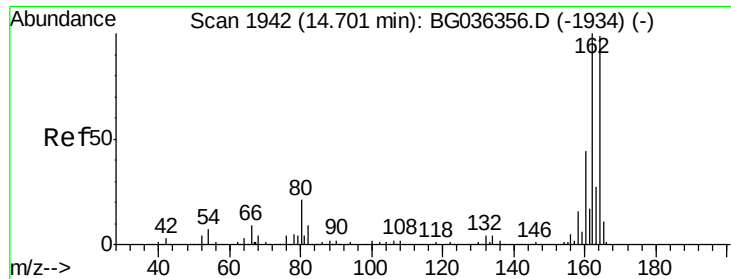
Tot Ion	Ratio	Lower	Upper
127	100		
129	79.0	25.9	38.9#
65	0.0	27.5	41.3#
92	0.0	16.2	24.2#



#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

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.7	68.5	102.7
115	36.4	29.8	44.8





#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

Instrument :

BNA_M

ClientSampleId :

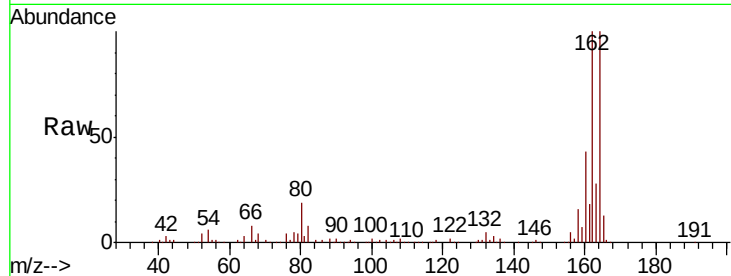
Tot Ion:164 Resp: 170162

Ion Ratio Lower Upper

164 100

162 100.5 80.7 121.1

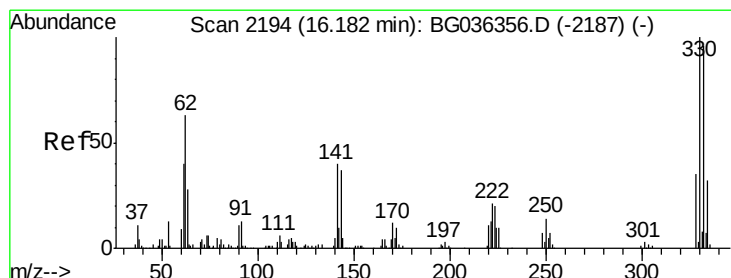
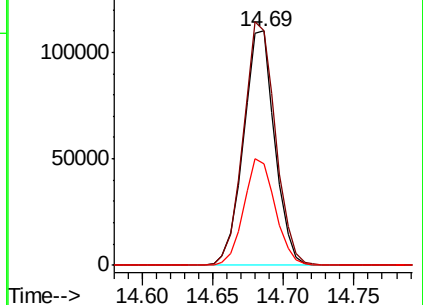
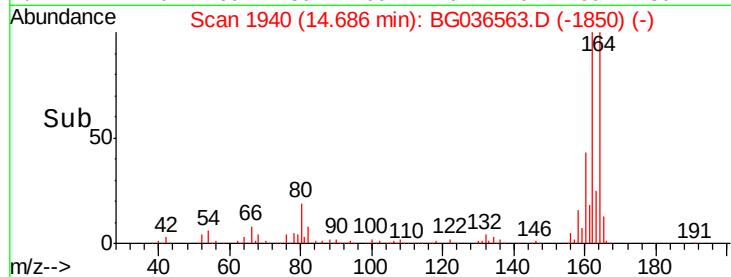
160 43.6 35.3 52.9



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

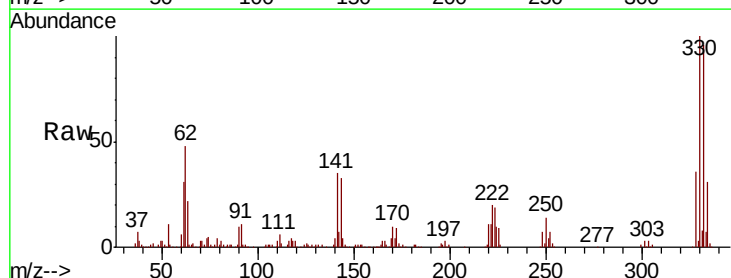
Tgt Ion:330 Resp: 292058

Ion Ratio Lower Upper

330 100

332 96.5 75.4 113.2

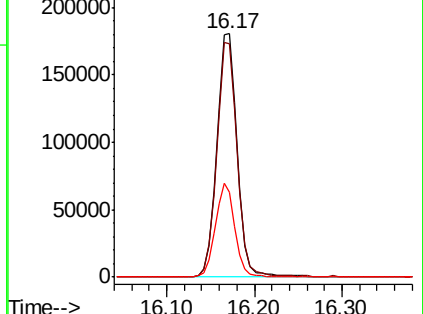
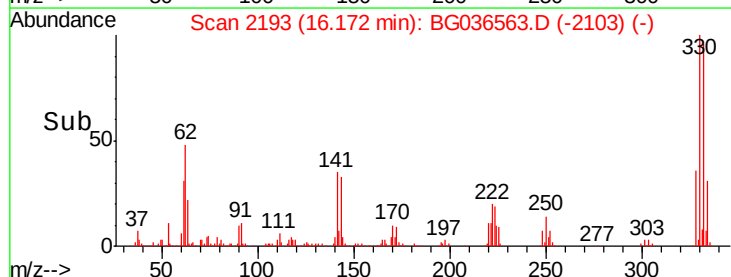
141 36.6 30.7 46.1

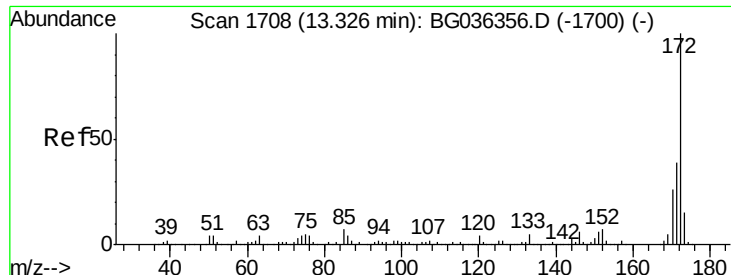


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

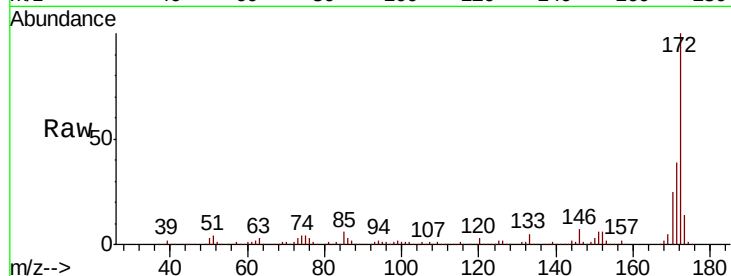




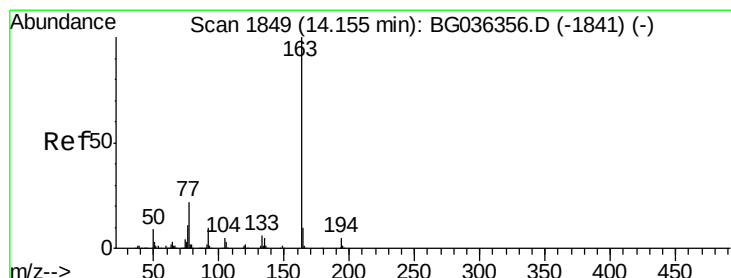
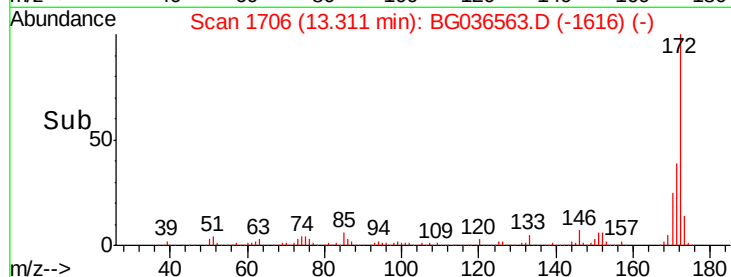
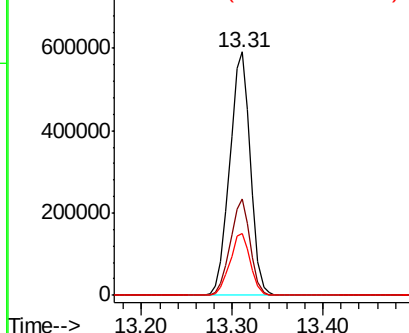
#44
2-Fluorobiphenyl
Concen: 78.578 ng
RT: 13.31 min Scan# 1706
Delta R.T. 0.00 min
Lab File: BG036563.D
Acq: 5 Sep 2018 16:40

Instrument :
BNA_M
ClientSampleId :

Tot Ion:172 Resp: 936466
Ion Ratio Lower Upper
172 100
171 39.4 31.3 46.9
170 25.3 21.0 31.6

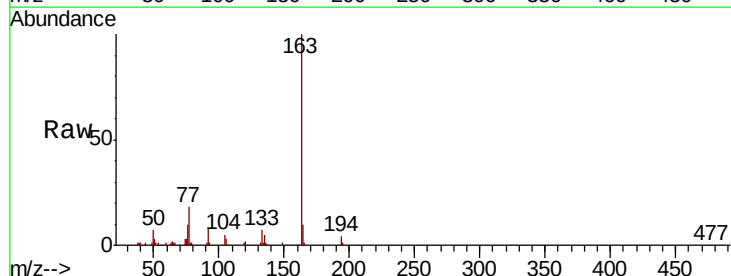


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

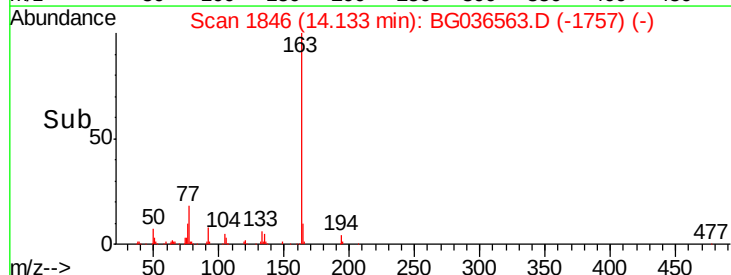
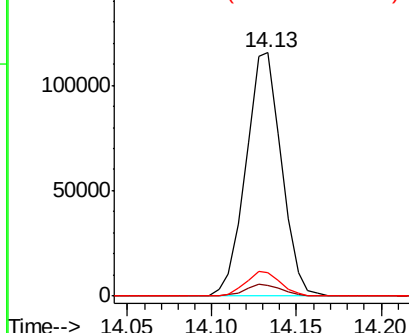


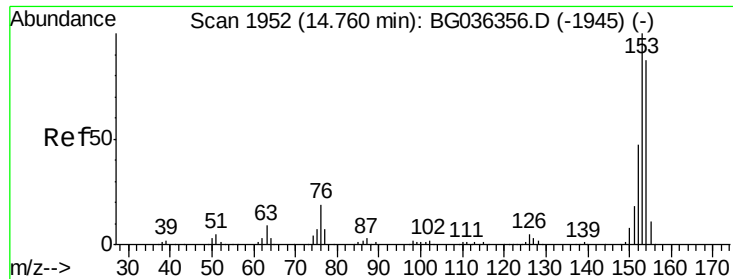
#49
Dimethylphthalate
Concen: 12.170 ng
RT: 14.13 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BG036563.D
Acq: 5 Sep 2018 16:40

Tgt 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

Instrument :

BNA_M

ClientSampleId :

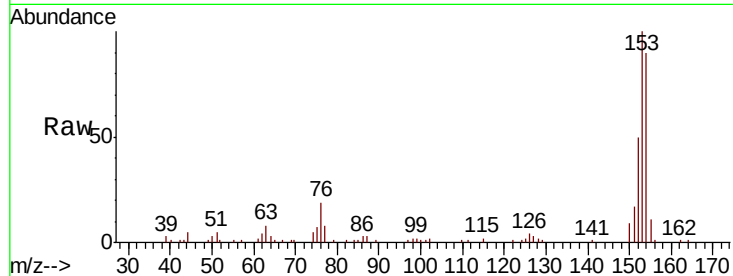
Tot Ion:154 Resp: 40055

Ion Ratio Lower Upper

154 100

153 110.5 91.8 137.6

152 55.3 43.5 65.3

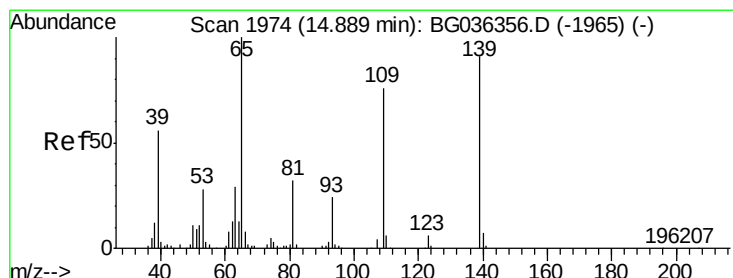
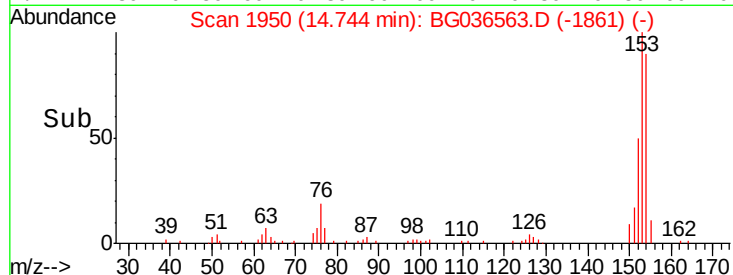
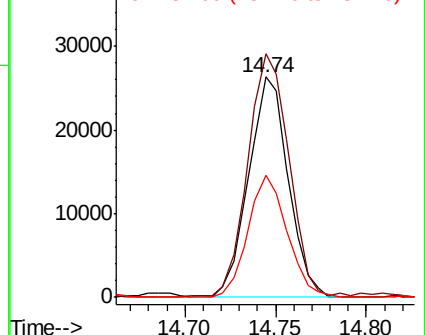


Abundance

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



#55

4-Nitrophenol

Concen: 3.735 ng

RT: 15.08 min Scan# 2007

Delta R.T. 0.20 min

Lab File: BG036563.D

Acq: 5 Sep 2018 16:40

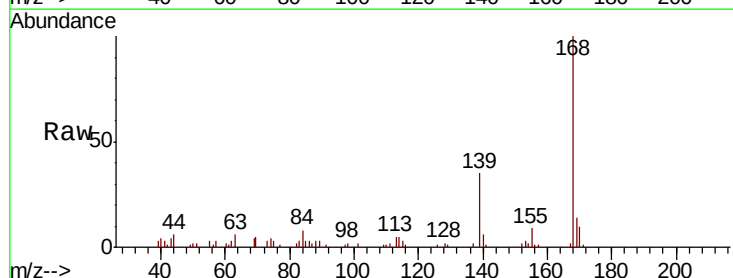
Tgt Ion:139 Resp: 9410

Ion Ratio Lower Upper

139 100

109 2.9 63.9 103.9#

65 0.0 90.0 130.0#

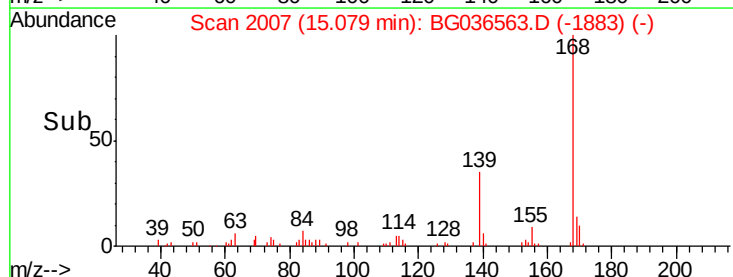
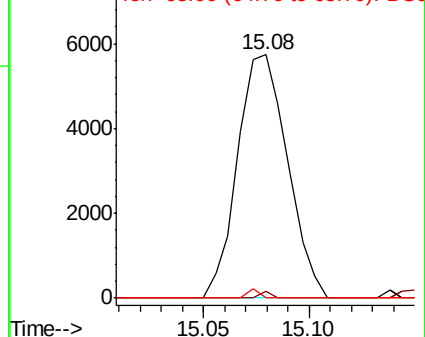


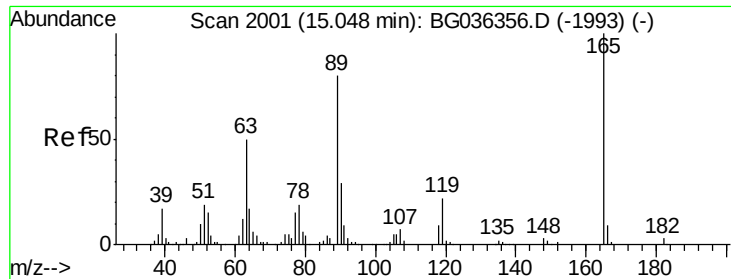
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

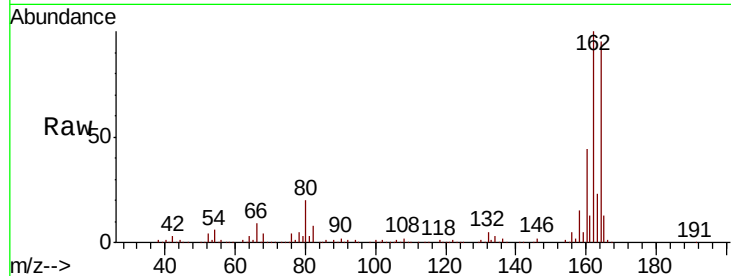




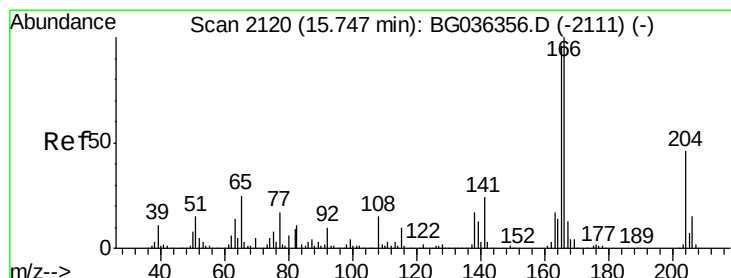
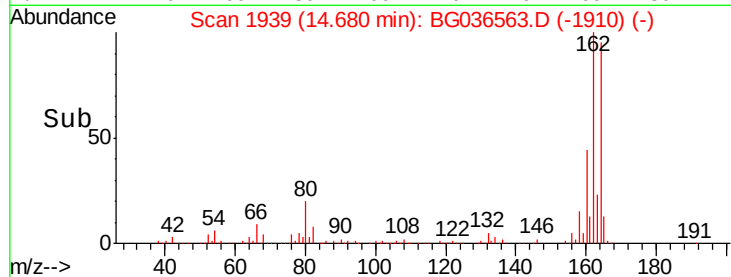
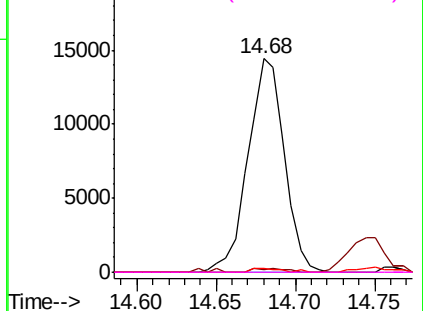
#56
 2,4-Dinitrotoluene
 Concen: 6.180 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.36 min
 Lab File: BG036563.D
 Acq: 5 Sep 2018 16:40

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:165	Resp: 23030
Ion Ratio	Lower Upper
165 100	
63 1.3	40.1 60.1#
89 1.7	63.7 95.5#
182 0.0	2.5 3.7#

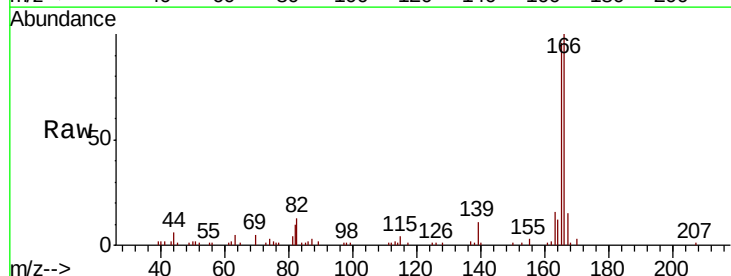


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

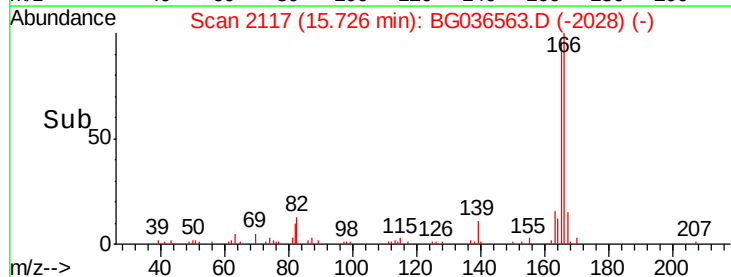
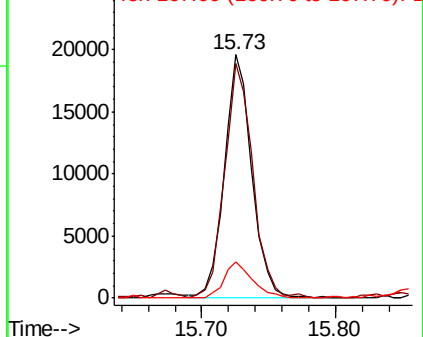


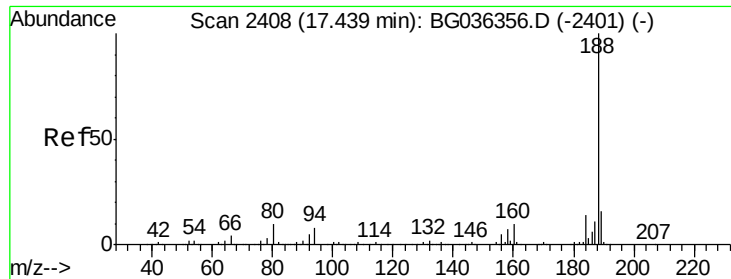
#57
 Fluorene
 Concen: 2.244 ng
 RT: 15.73 min Scan# 2117
 Delta R.T. -0.01 min
 Lab File: BG036563.D
 Acq: 5 Sep 2018 16:40

Tgt	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

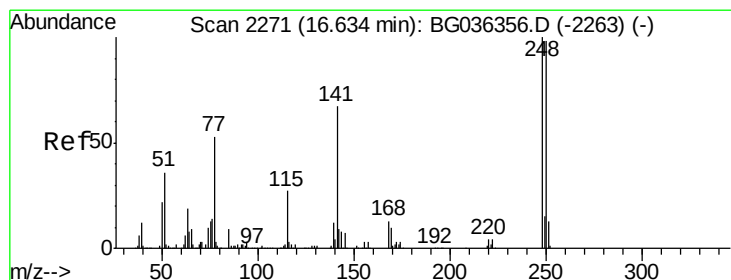
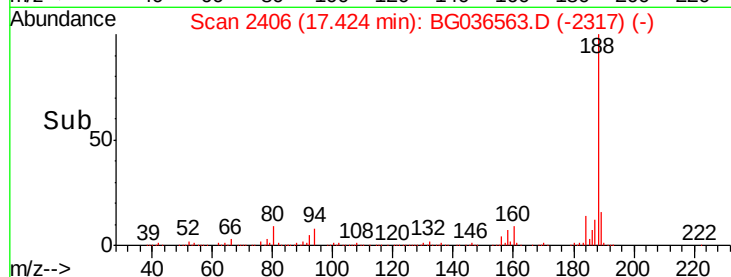
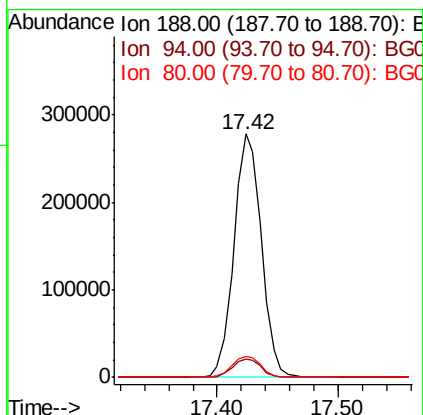
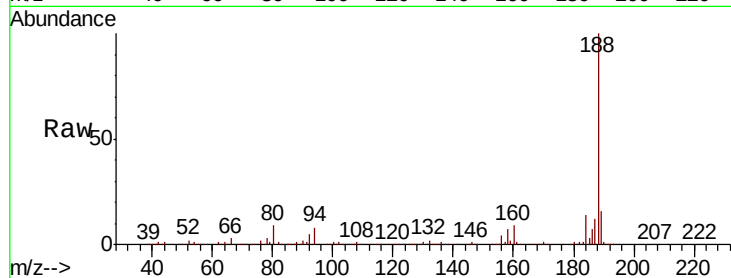




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2406
 Delta R.T. -0.01 min
 Lab File: BG036563.D
 Acq: 5 Sep 2018 16:40

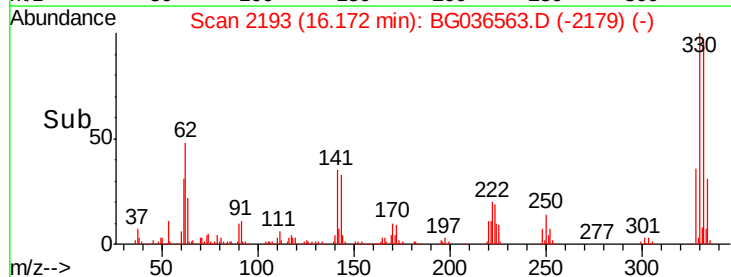
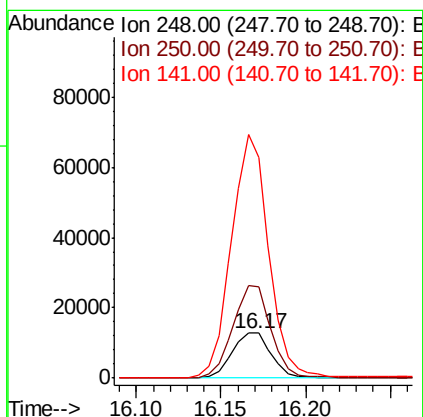
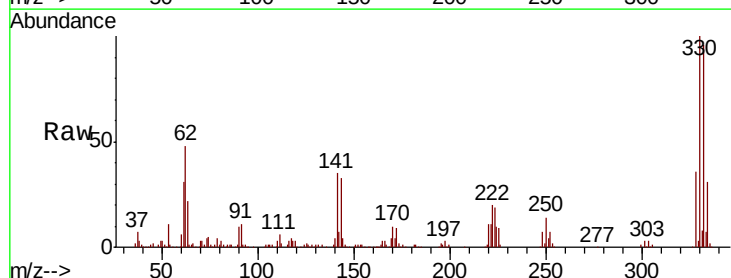
Instrument :
 BNA_M
 ClientSampleId :

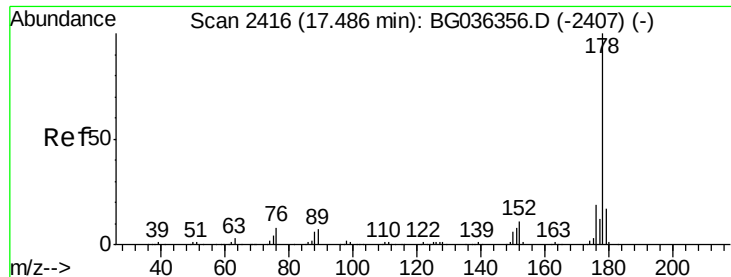
Tot Ion:188 Resp: 439914
 Ion Ratio Lower Upper
 188 100
 94 7.8 6.7 10.1
 80 8.8 8.1 12.1



#66
 4-Bromophenyl-phenylether
 Concen: 3.979 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.45 min
 Lab File: BG036563.D
 Acq: 5 Sep 2018 16:40

Tgt Ion:248 Resp: 20496
 Ion Ratio Lower Upper
 248 100
 250 201.7 78.1 117.1#
 141 488.4 53.7 80.5#

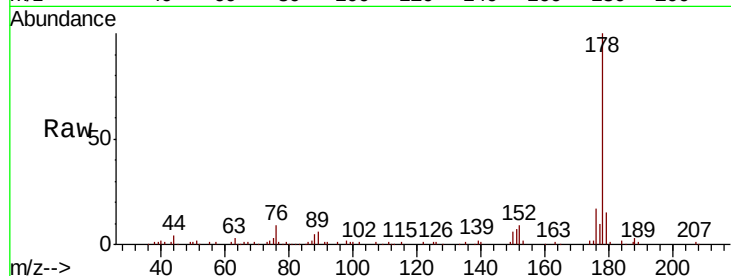




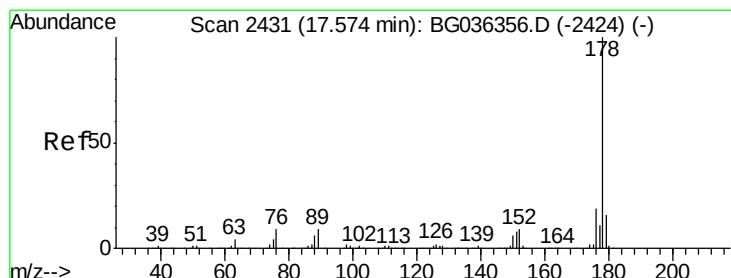
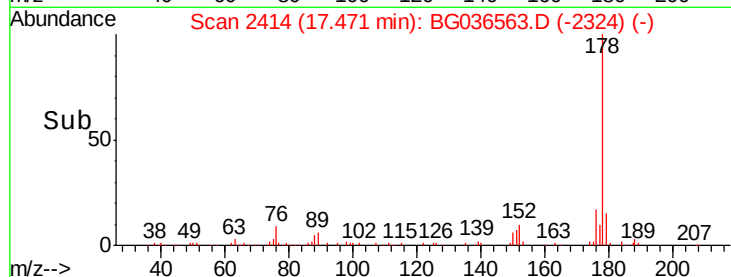
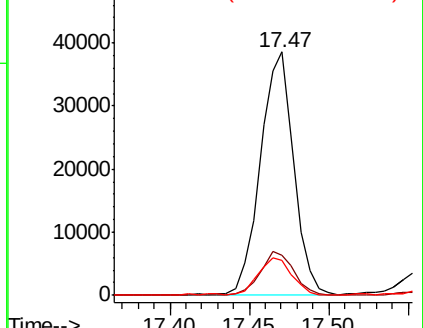
#70
Phenanthrene
Concen: 2.537 ng
RT: 17.47 min Scan# 2414
Delta R.T. 0.00 min
Lab File: BG036563.D
Acq: 5 Sep 2018 16:40

Instrument :
BNA_M
ClientSampleId :

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

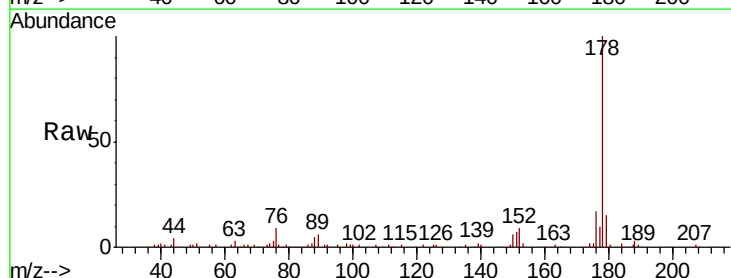


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

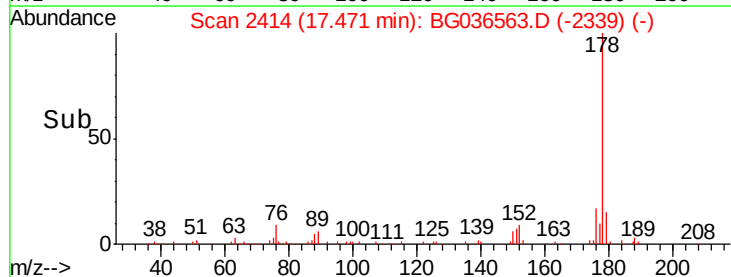
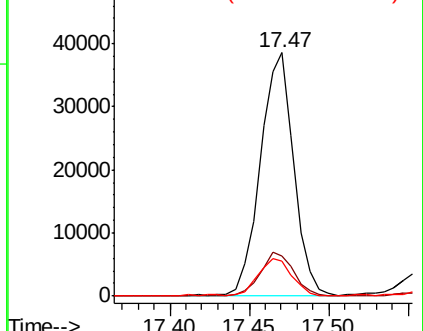


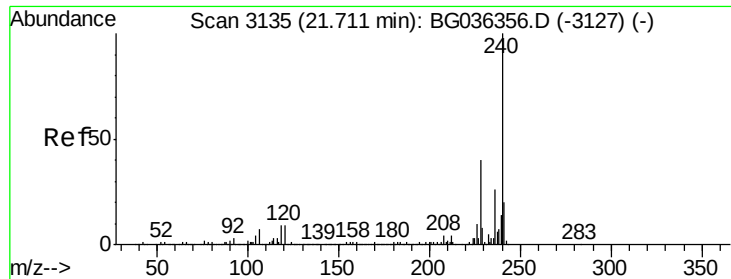
#71
Anthracene
Concen: 2.545 ng
RT: 17.47 min Scan# 2414
Delta R.T. -0.09 min
Lab File: BG036563.D
Acq: 5 Sep 2018 16:40

Tgt Ion:178 Resp: 56704
Ion Ratio Lower Upper
178 100
176 16.7 15.4 23.2
179 14.6 13.0 19.4



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

Instrument :

BNA_M

ClientSampleId :

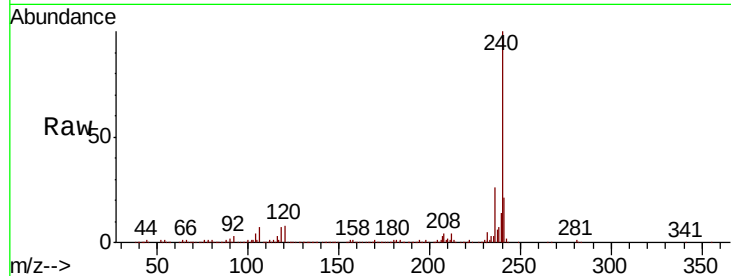
Tot Ion:240 Resp: 460646

Ion Ratio Lower Upper

240 100

120 8.1 6.9 10.3

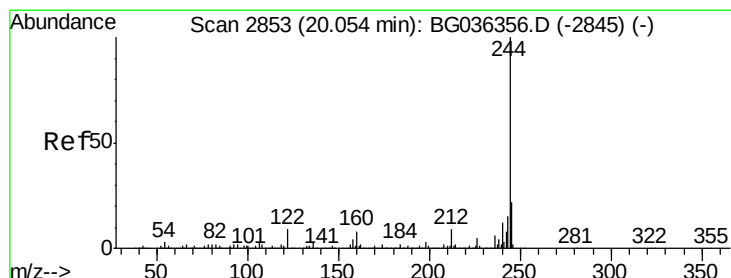
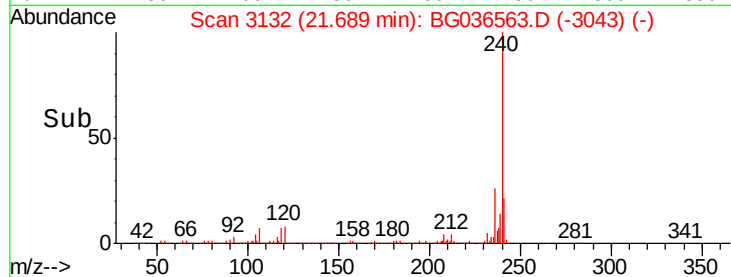
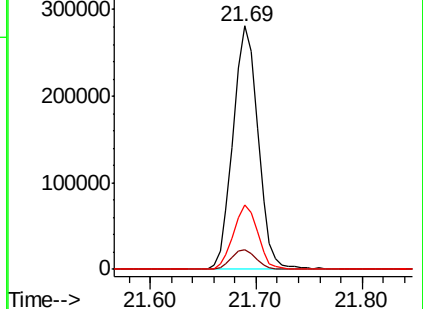
236 26.5 21.2 31.8



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

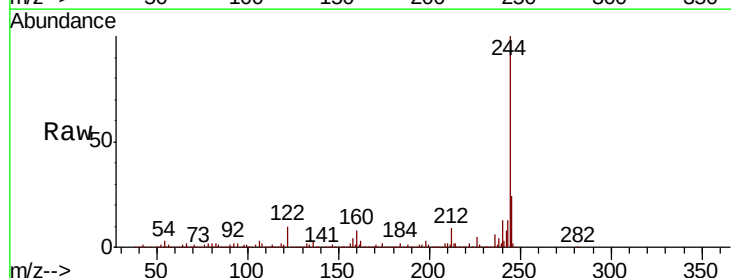
Tgt Ion:244 Resp: 1549202

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.6

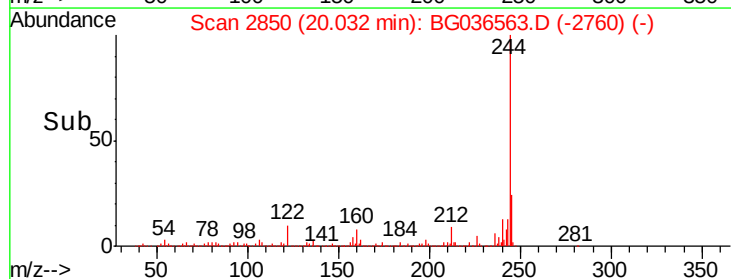
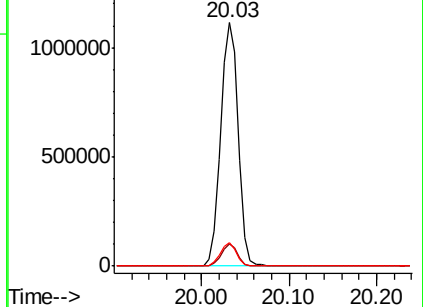
122 9.7 7.1 10.7

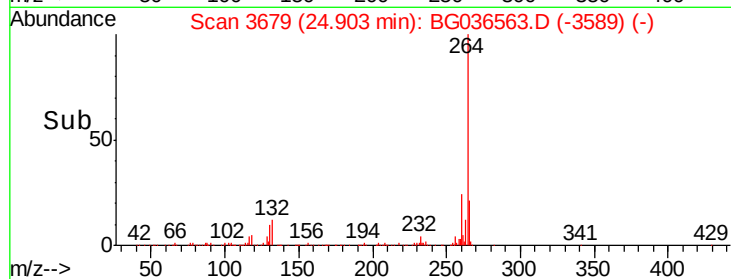
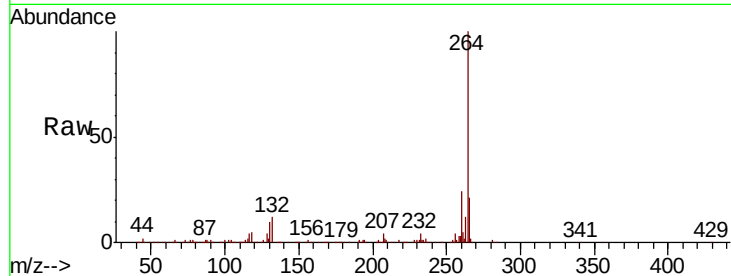
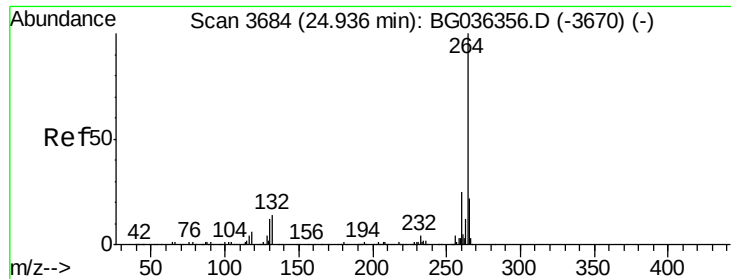


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-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

Instrument :
BNA_M
ClientSampleId :

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

