

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080818\
 Data File : BG036222.D
 Acq On : 9 Aug 2018 7:51
 Operator : JU/SJ
 Sample : J4328-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-22

Quant Time: Aug 09 08:57:37 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

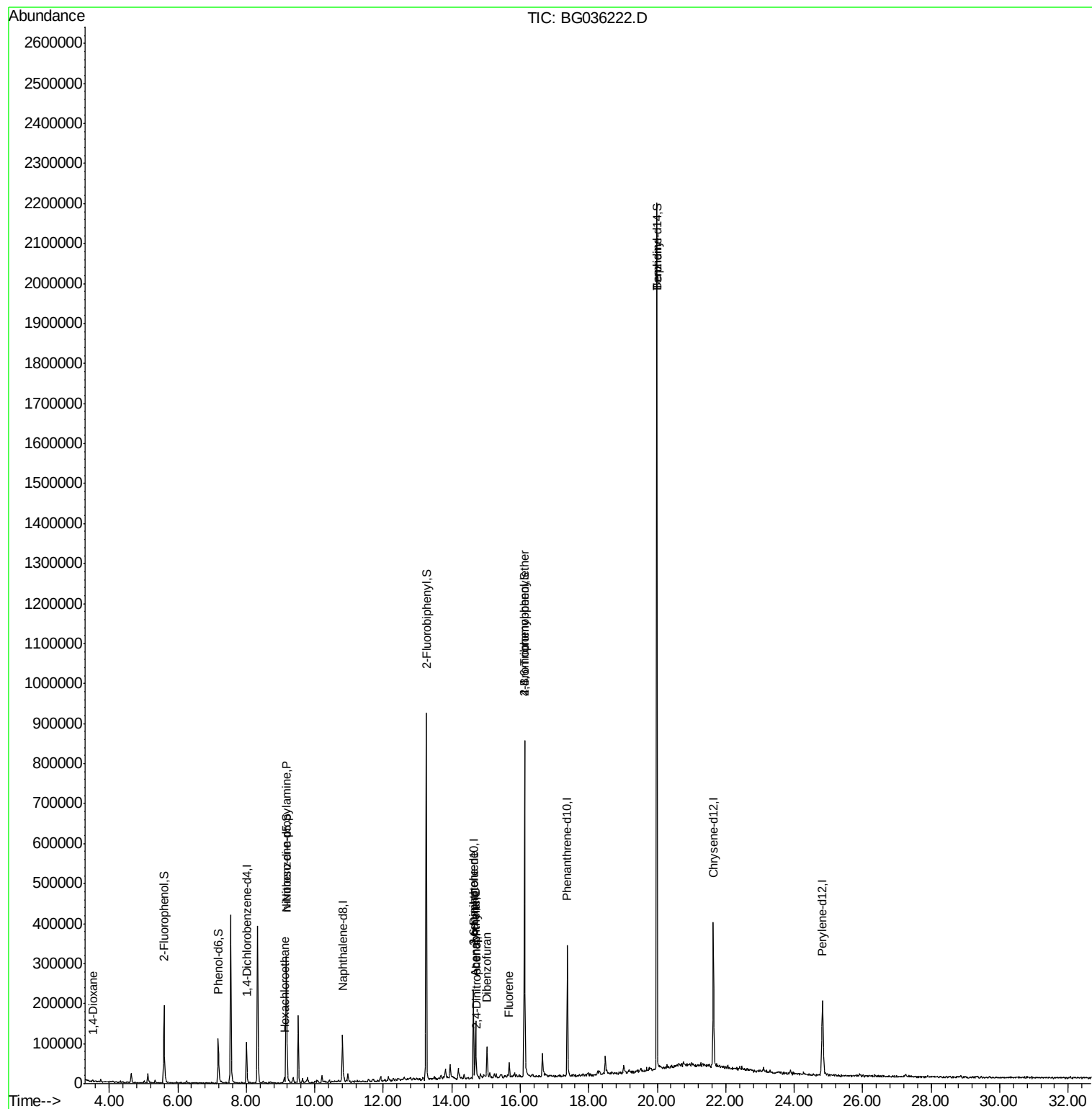
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	29580	20.00	ng	-0.01
21) Naphthalene-d8	10.81	136	103613	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	77906	20.00	ng	-0.02
63) Phenanthrene-d10	17.37	188	205697	20.00	ng	-0.02
75) Chrysene-d12	21.64	240	228403	20.00	ng	-0.02
86) Perylene-d12	24.83	264	215273	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	94781	53.20	ng	0.00
7) Phenol-d6	7.18	99	82260	30.95	ng	-0.01
23) Nitrobenzene-d5	9.17	82	229922	92.70	ng	-0.02
41) 2,4,6-Tribromophenol	16.12	330	160061	155.88	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	512025	88.05	ng	-0.02
78) Terphenyl-d14	19.99	244	1006516	97.14	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.51	88	2858	3.152	ng	# 55
18) Hexachloroethane	9.11	117	1915	2.253	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	32344	14.449	ng	# 72
48) Acenaphthylene	14.70	152	28535	3.626	ng	# 1
50) 2,6-Dinitrotoluene	14.64	165	11017	7.926	ng	# 21
51) Acenaphthene	14.70	154	49990	10.197	ng	# 91
53) 2,4-Dinitrophenol	14.74	184	65	6.666	ng	# 1
54) Dibenzofuran	15.03	168	49497	6.348	ng	# 89
57) Fluorene	15.68	166	16232	2.484	ng	# 91
66) 4-Bromophenyl-phenylether	16.12	248	12557	5.262	ng	# 1
76) Benzydine	19.99	184	18751	3.123	ng	# 89

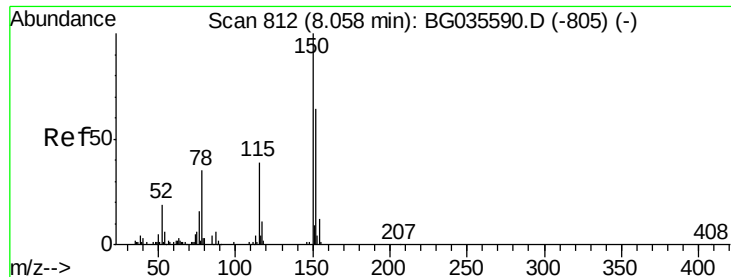
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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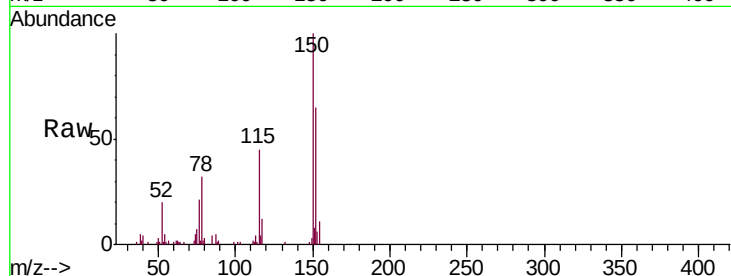


#1

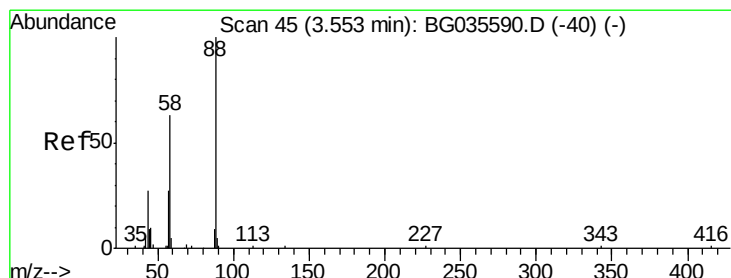
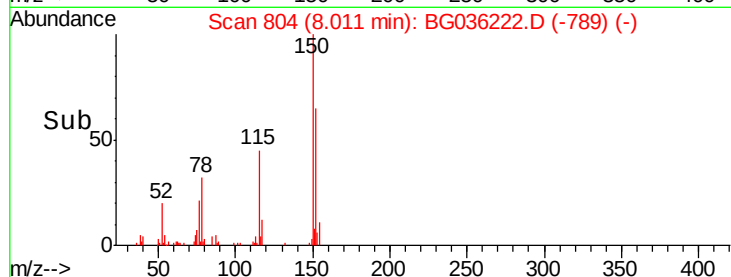
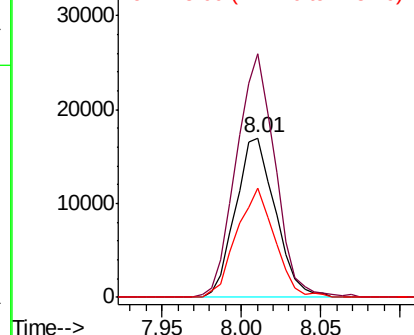
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 804
Delta R.T. -0.01 min
Lab File: BG036222.D
Acq: 9 Aug 2018 7:51

Instrument :
BNA_G
ClientSampleId :
MW-22

Tgt Ion: 152 Resp: 29580
Ion Ratio Lower Upper
152 100
150 152.9 126.6 189.8
115 68.2 53.0 79.4



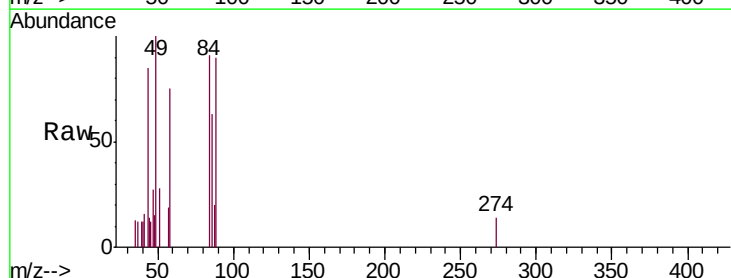
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



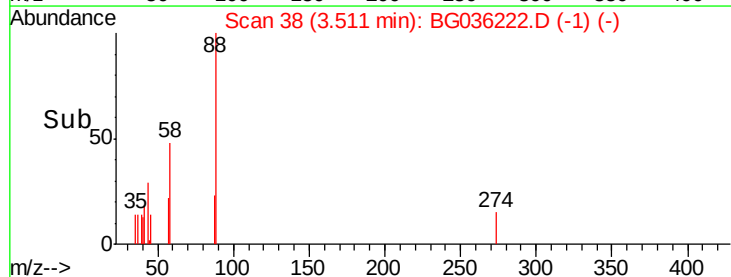
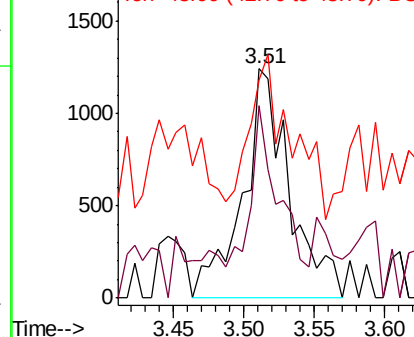
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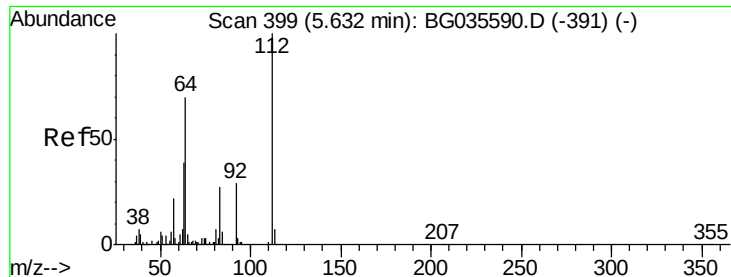
1,4-Dioxane
Concen: 3.152 ng
RT: 3.51 min Scan# 38
Delta R.T. -0.01 min
Lab File: BG036222.D
Acq: 9 Aug 2018 7:51

Tgt Ion: 88 Resp: 2858
Ion Ratio Lower Upper
88 100
58 57.2 79.6 119.4#
43 64.7 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 53.198 ng

RT: 5.60 min Scan# 393

Delta R.T. -0.01 min

Lab File: BG036222.D

Acq: 9 Aug 2018 7:51

Instrument :

BNA_G

ClientSampleId :

MW-22

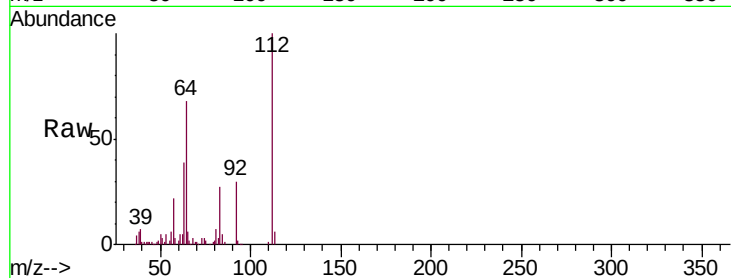
Tgt Ion: 112 Resp: 94781

Ion Ratio Lower Upper

112 100

64 68.3 56.3 84.5

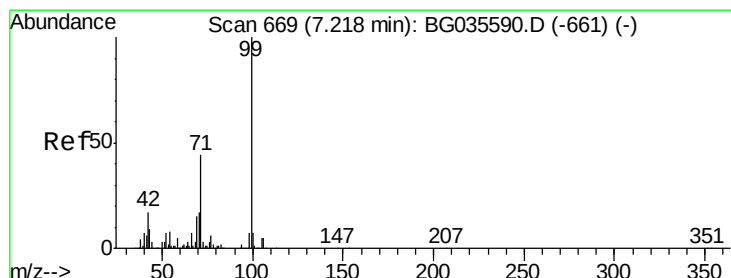
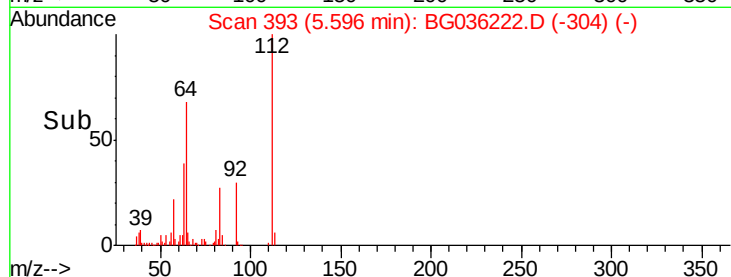
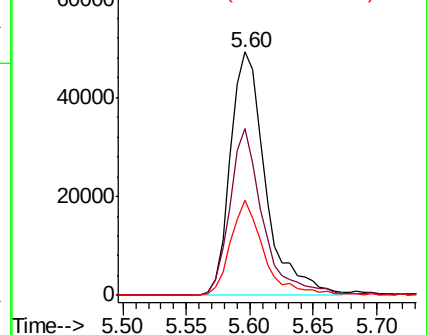
63 39.0 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 30.945 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036222.D

Acq: 9 Aug 2018 7:51

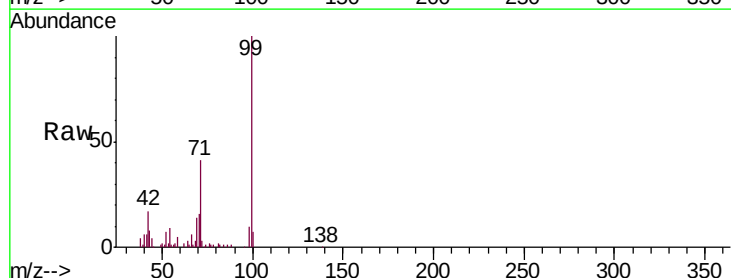
Tgt Ion: 99 Resp: 82260

Ion Ratio Lower Upper

99 100

42 17.4 14.1 21.1

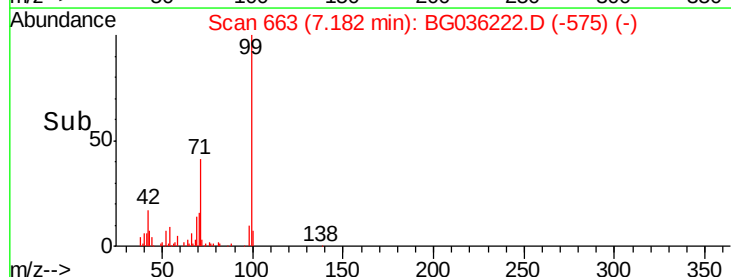
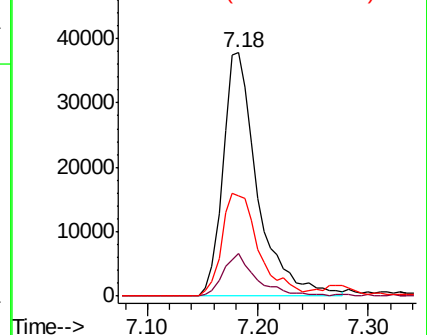
71 41.0 26.1 39.1#

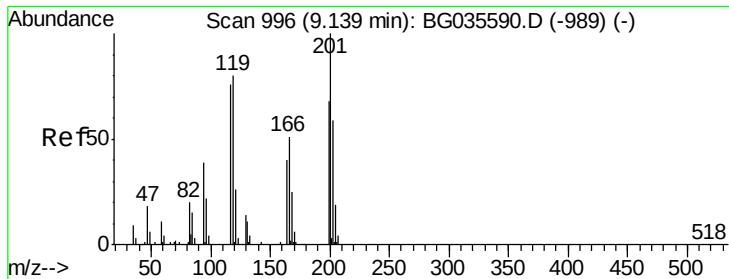


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#18

Hexachloroethane

Concen: 2.253 ng

RT: 9.11 min Scan# 992

Delta R.T. 0.01 min

Lab File: BG036222.D

Acq: 9 Aug 2018 7:51

Instrument :

BNA_G

ClientSampleId :

MW-22

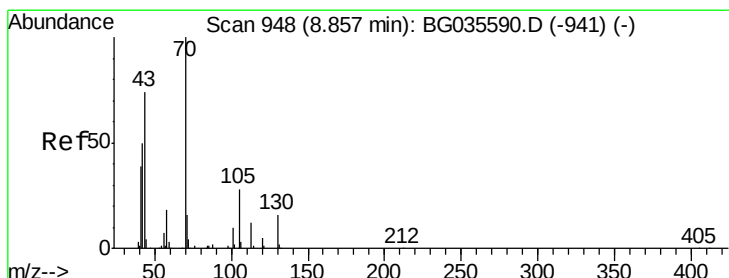
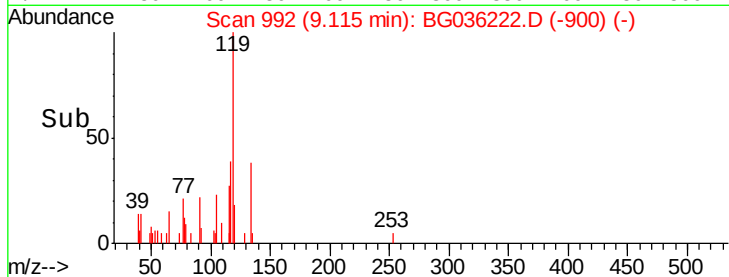
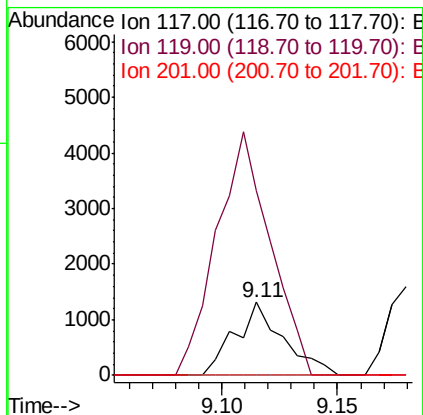
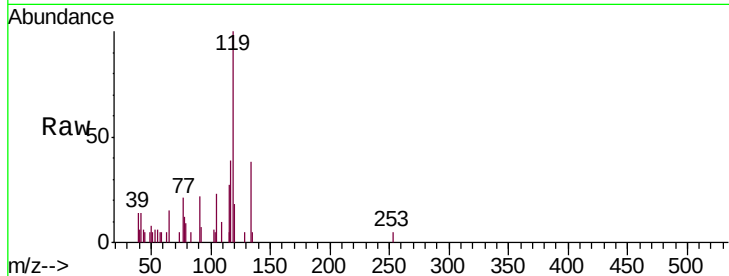
Tgt Ion:117 Resp: 1915

Ion Ratio Lower Upper

117 100

119 253.8 76.7 115.1#

201 0.0 95.7 143.5#



#19

n-Nitroso-di-n-propylamine

Concen: 14.449 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036222.D

Acq: 9 Aug 2018 7:51

Tgt Ion: 70 Resp: 32344

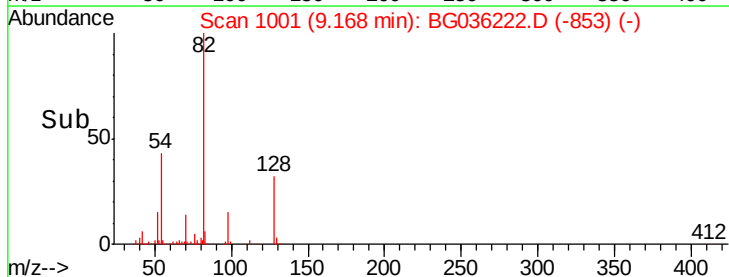
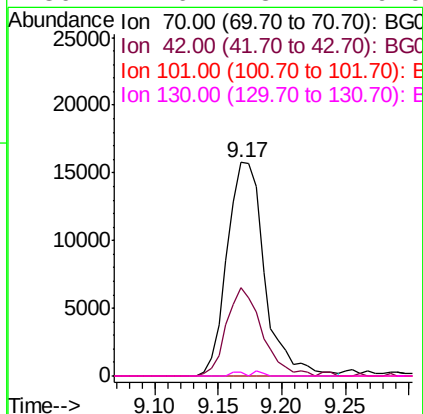
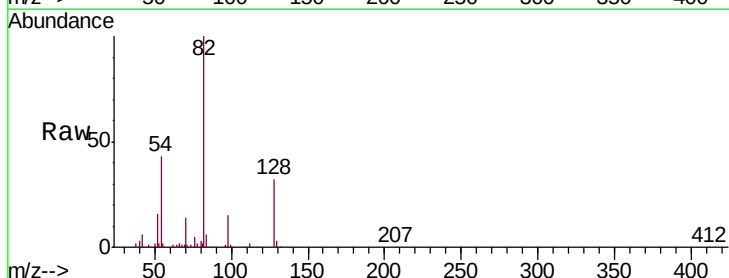
Ion Ratio Lower Upper

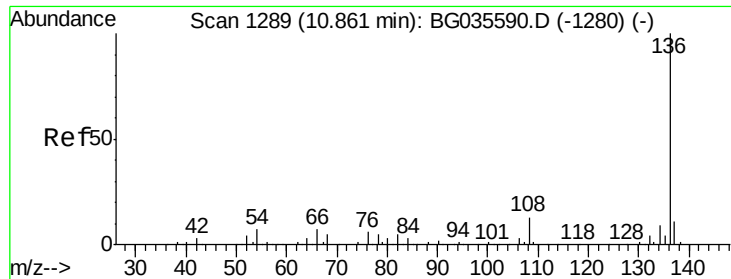
70 100

42 41.4 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

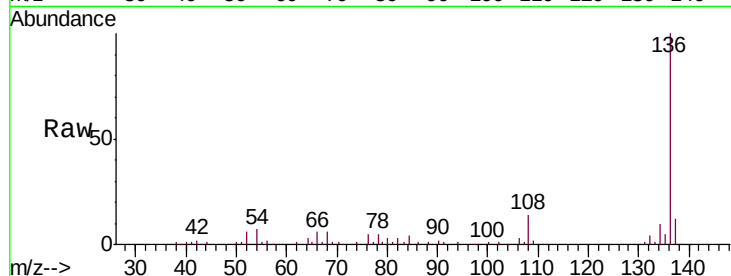




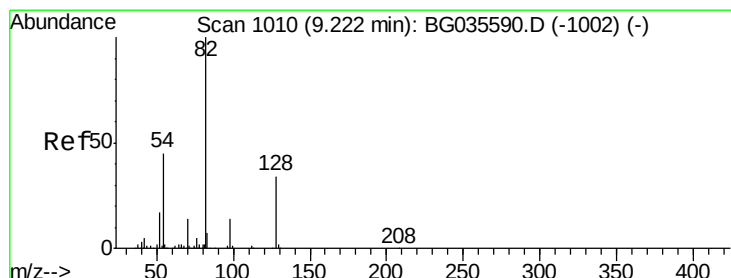
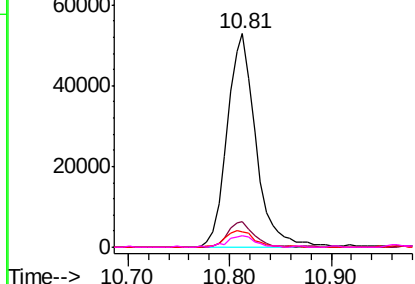
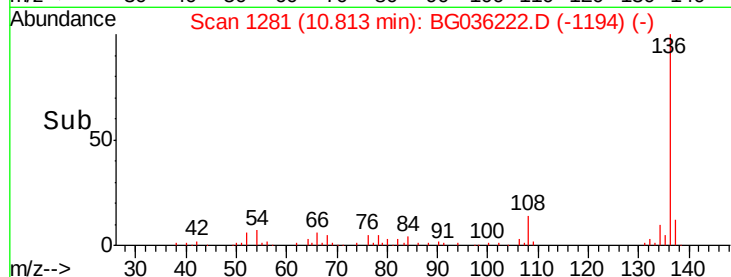
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036222.D
Acq: 9 Aug 2018 7:51

Instrument :
BNA_G
ClientSampleId :
MW-22

Tgt Ion:	136	Resp:	103613
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.2	13.8
54	7.5	10.3	15.5
68	5.6	4.5	6.7

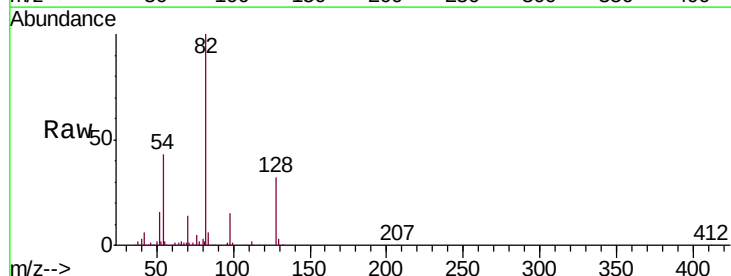


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

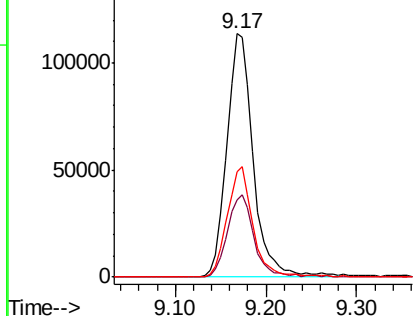
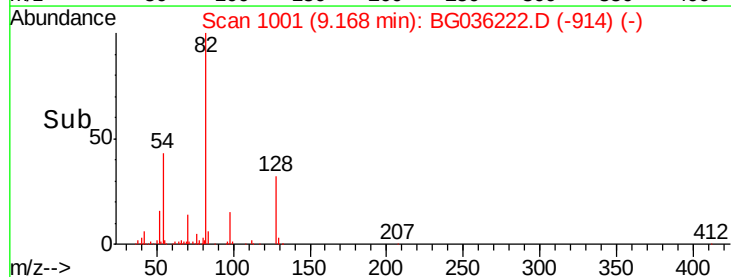


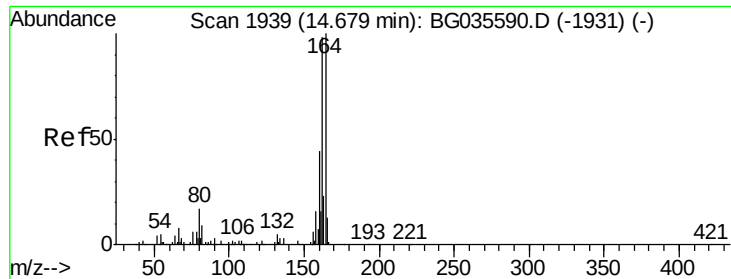
#23
Nitrobenzene-d5
Concen: 92.700 ng
RT: 9.17 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BG036222.D
Acq: 9 Aug 2018 7:51

Tgt Ion:	82	Resp:	229922
Ion	Ratio	Lower	Upper
82	100		
128	31.7	29.7	44.5
54	43.4	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG

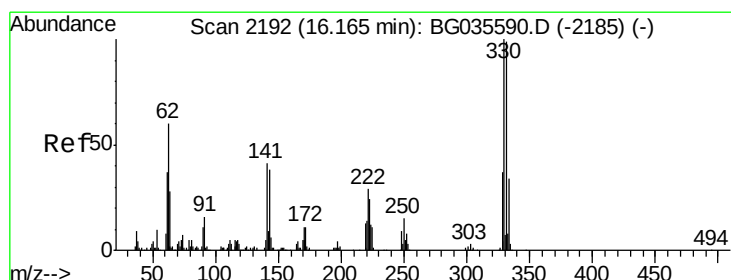
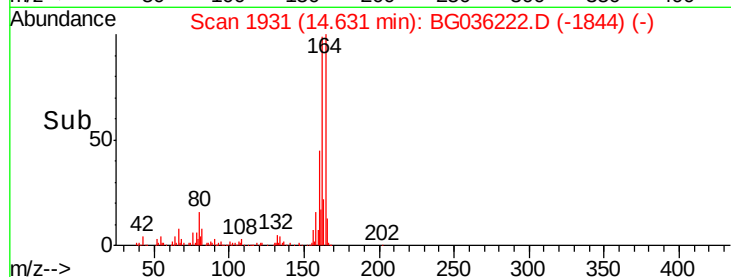
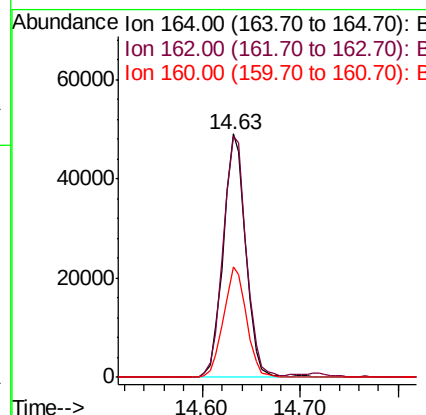
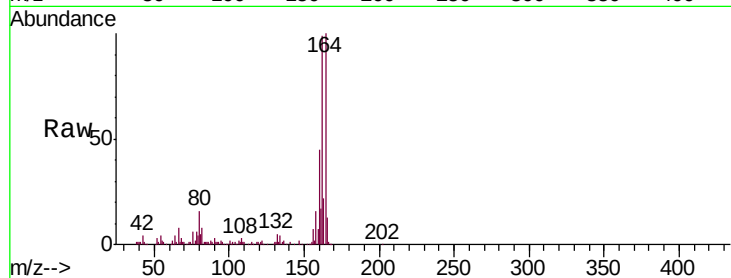




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. -0.02 min
 Lab File: BG036222.D
 Acq: 9 Aug 2018 7:51

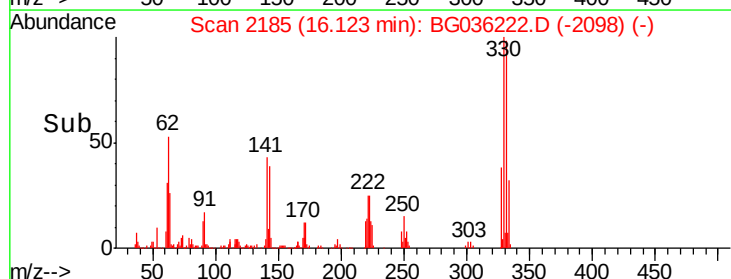
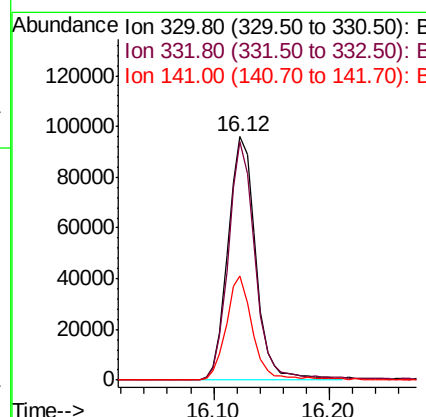
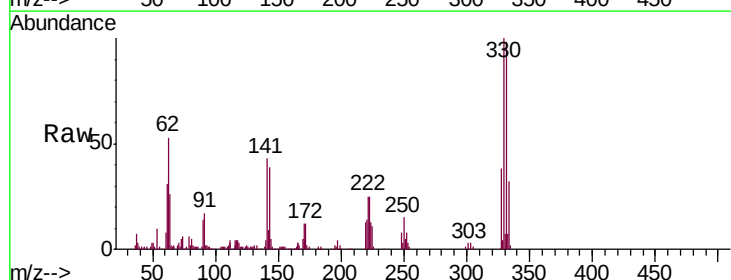
Instrument :
 BNA_G
 ClientSampleId :
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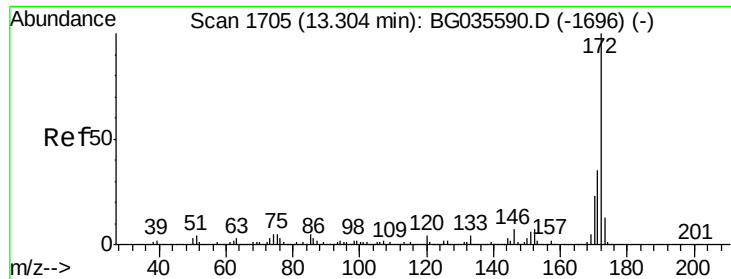
Tgt Ion:164 Resp: 77906
 Ion Ratio Lower Upper
 164 100
 162 98.9 78.8 118.2
 160 45.2 35.4 53.0



#41
 2,4,6-Tribromophenol
 Concen: 155.876 ng
 RT: 16.12 min Scan# 2185
 Delta R.T. -0.02 min
 Lab File: BG036222.D
 Acq: 9 Aug 2018 7:51

Tgt Ion:330 Resp: 160061
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 41.4 25.2 37.8#

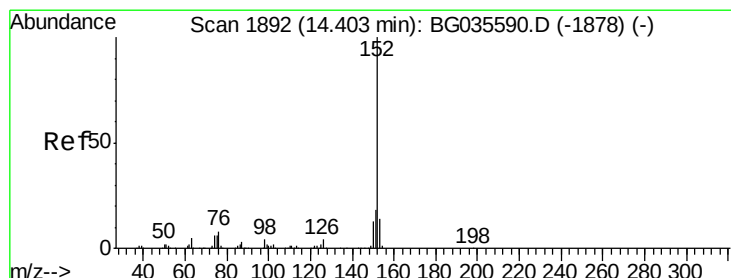
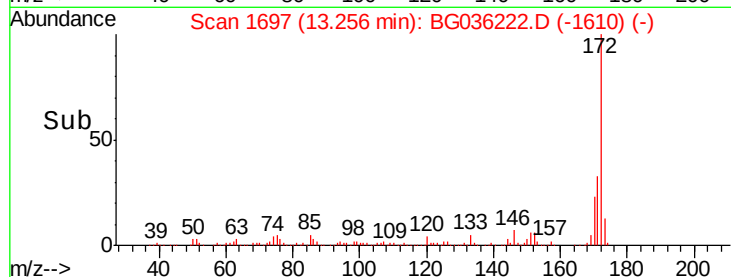
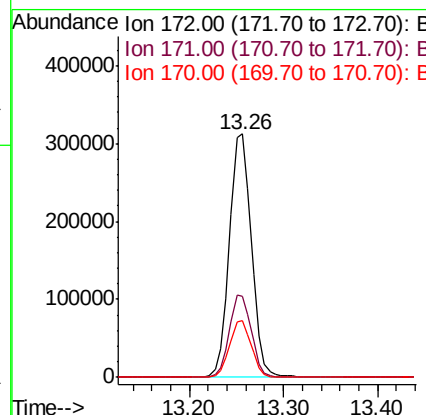
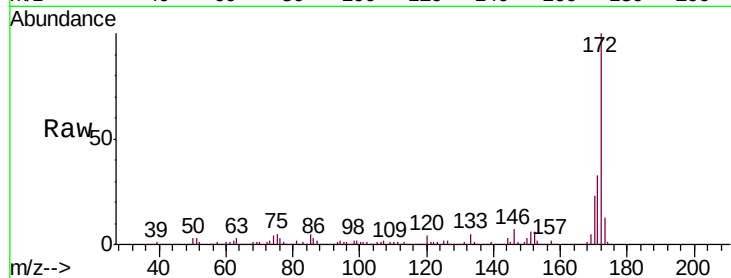




#44
2-Fluorobiphenyl
Concen: 88.052 ng
RT: 13.26 min Scan# 1697
Delta R.T. -0.02 min
Lab File: BG036222.D
Acq: 9 Aug 2018 7:51

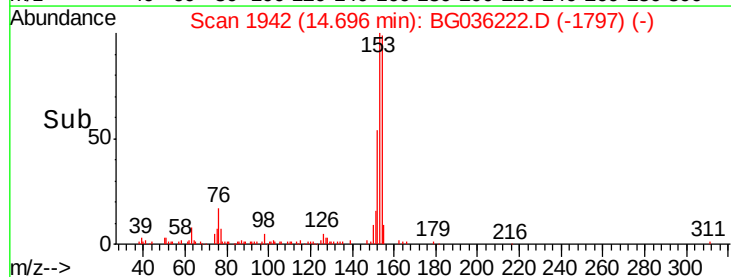
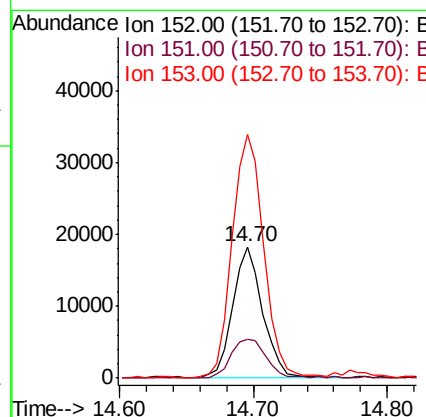
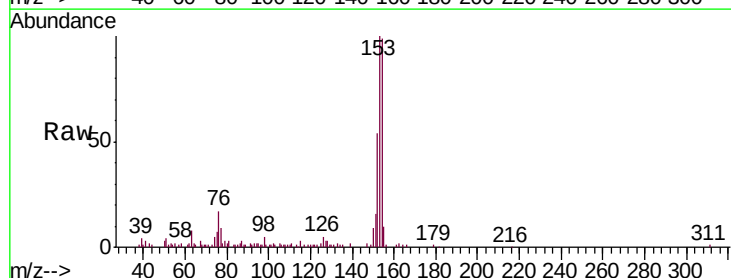
Instrument :
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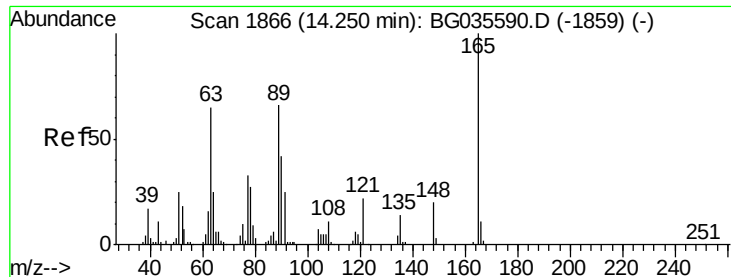
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.5	30.0	45.0
170	23.2	19.5	29.3



#48
Acenaphthylene
Concen: 3.626 ng
RT: 14.70 min Scan# 1942
Delta R.T. 0.32 min
Lab File: BG036222.D
Acq: 9 Aug 2018 7:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	29.8	17.2	25.8#
153	185.6	10.2	15.4#

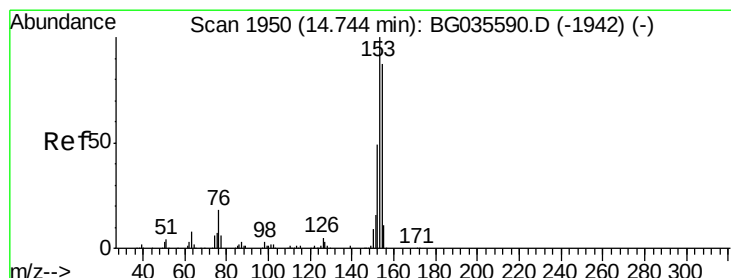
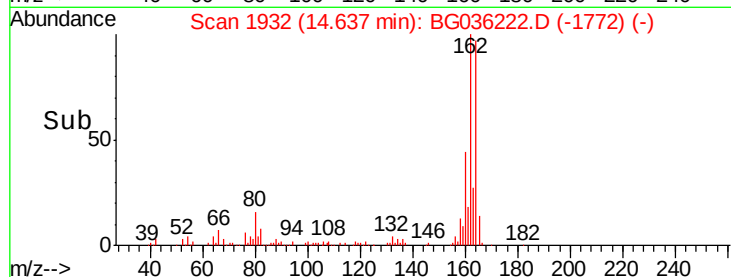
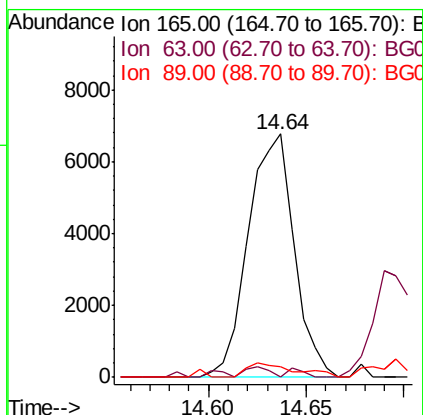
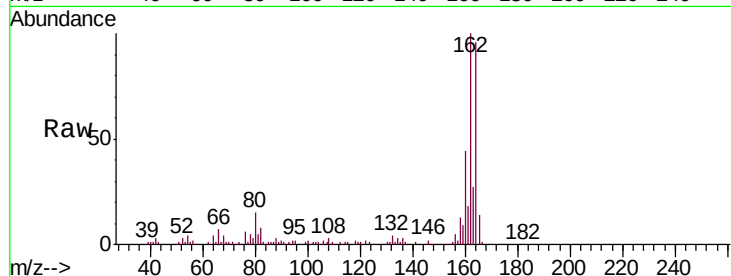




#50
 2,6-Dinitrotoluene
 Concen: 7.926 ng
 RT: 14.64 min Scan# 1932
 Delta R.T. 0.41 min
 Lab File: BG036222.D
 Acq: 9 Aug 2018 7:51

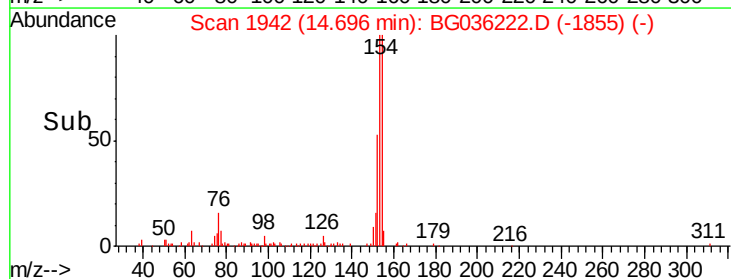
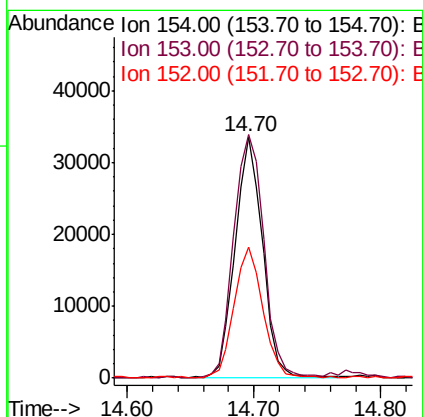
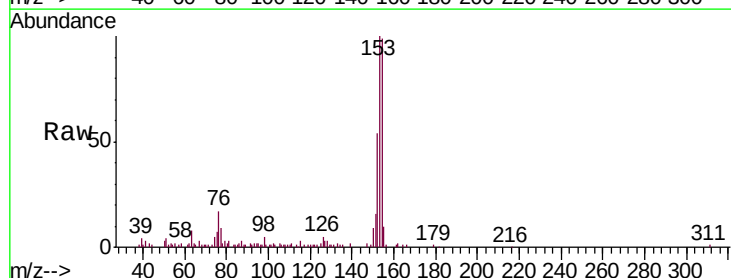
Instrument :
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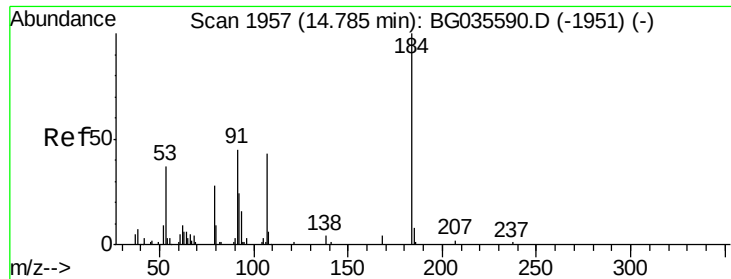
Tgt Ion:165 Resp: 11017
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 4.6 49.2 73.8#



#51
 Acenaphthene
 Concen: 10.197 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. -0.02 min
 Lab File: BG036222.D
 Acq: 9 Aug 2018 7:51

Tgt Ion:154 Resp: 49990
 Ion Ratio Lower Upper
 154 100
 153 101.0 90.4 135.6
 152 54.4 41.6 62.4

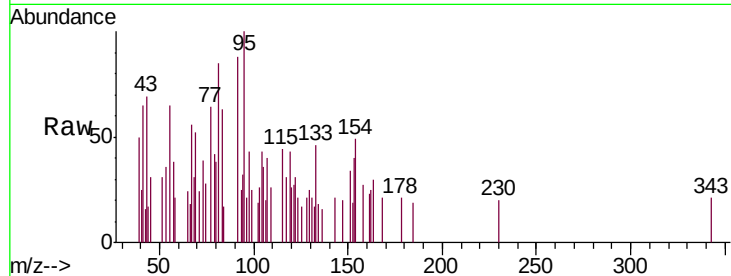




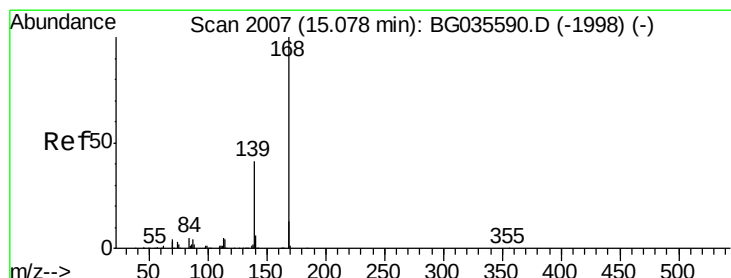
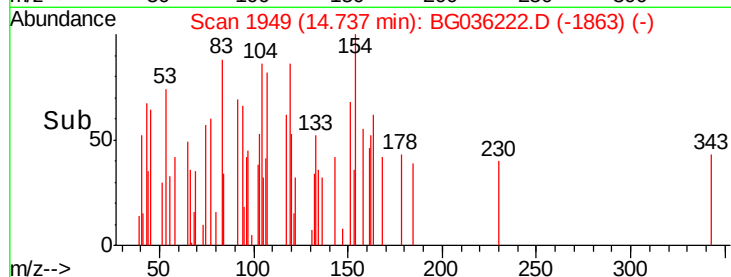
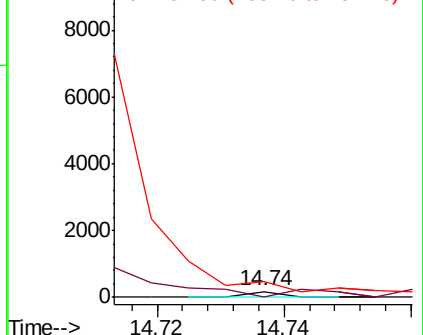
#53
2,4-Dinitrophenol
Concen: 6.666 ng
RT: 14.74 min Scan# 1949
Delta R.T. -0.03 min
Lab File: BG036222.D
Acq: 9 Aug 2018 7:51

Instrument :
BNA_G
ClientSampleId :
MW-22

Tgt Ion:184 Resp: 65
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 257.1 101.8 152.8#

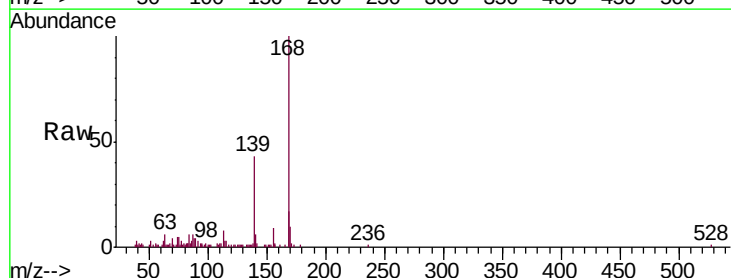


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

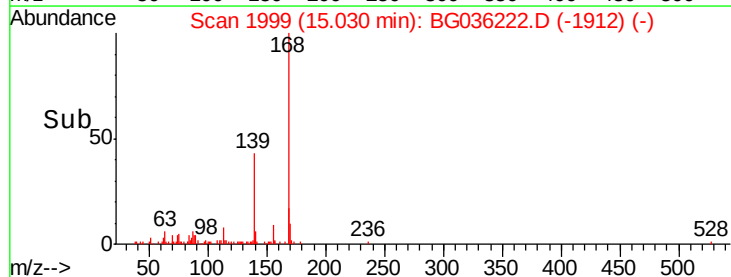
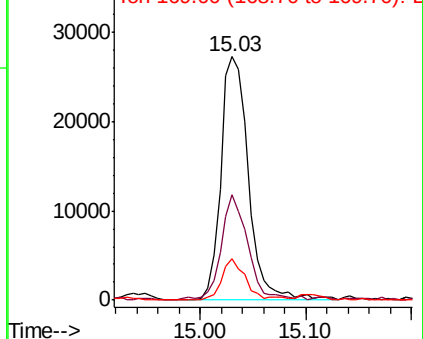


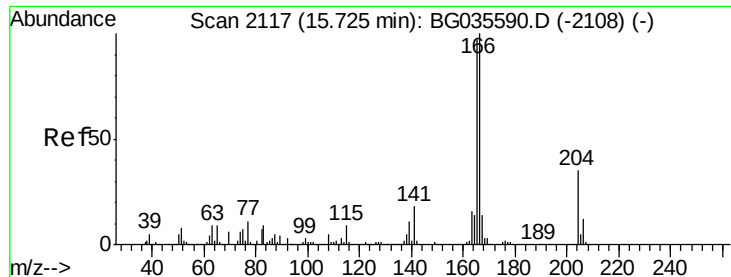
#54
Dibenzofuran
Concen: 6.348 ng
RT: 15.03 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BG036222.D
Acq: 9 Aug 2018 7:51

Tgt Ion:168 Resp: 49497
Ion Ratio Lower Upper
168 100
139 43.3 28.6 43.0#
169 16.8 11.2 16.8#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 2.484 ng

RT: 15.68 min Scan# 2110

Delta R.T. -0.01 min

Lab File: BG036222.D

Acq: 9 Aug 2018 7:51

Instrument :

BNA_G

ClientSampleId :

MW-22

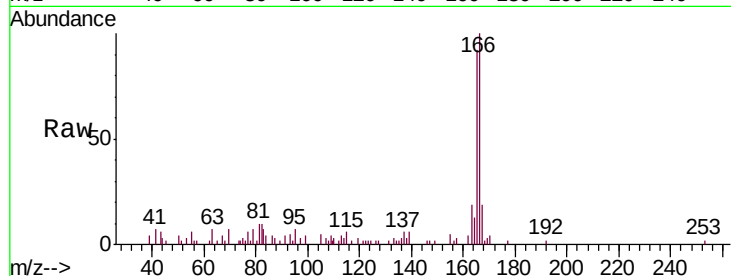
Tgt Ion:166 Resp: 16232

Ion Ratio Lower Upper

166 100

165 92.0 80.6 121.0

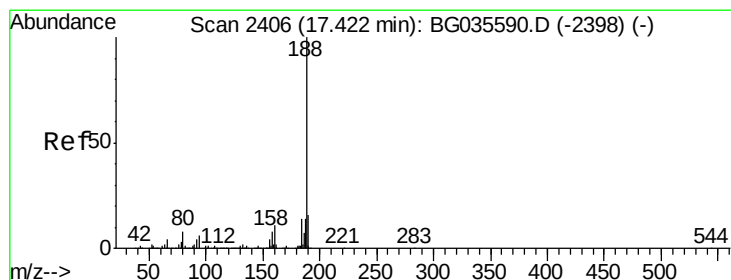
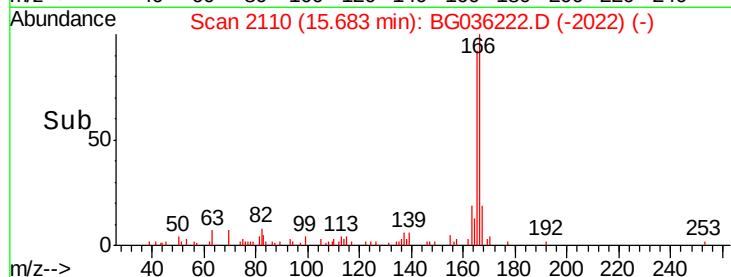
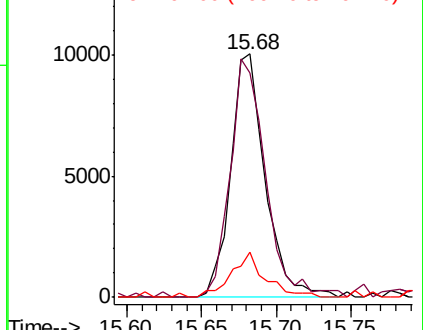
167 18.8 10.4 15.6#



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: 17.37 min Scan# 2398

Delta R.T. -0.02 min

Lab File: BG036222.D

Acq: 9 Aug 2018 7:51

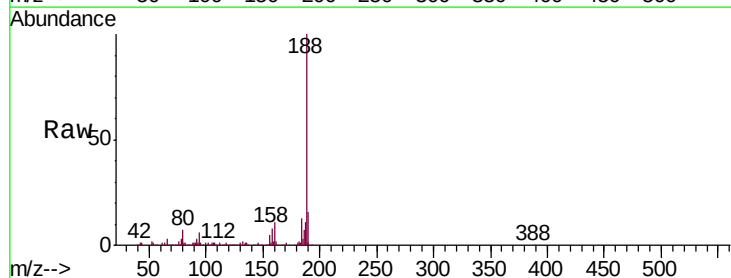
Tgt Ion:188 Resp: 205697

Ion Ratio Lower Upper

188 100

94 6.3 6.9 10.3#

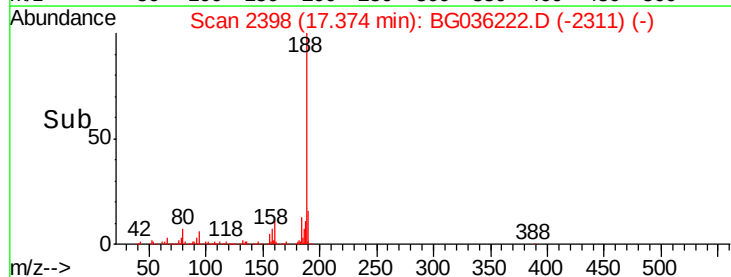
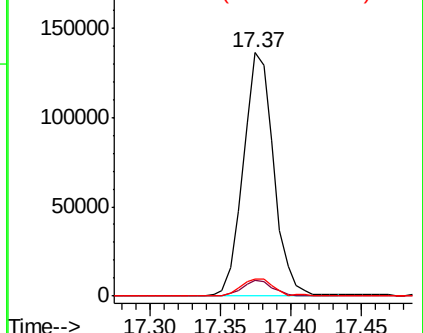
80 7.0 7.7 11.5#

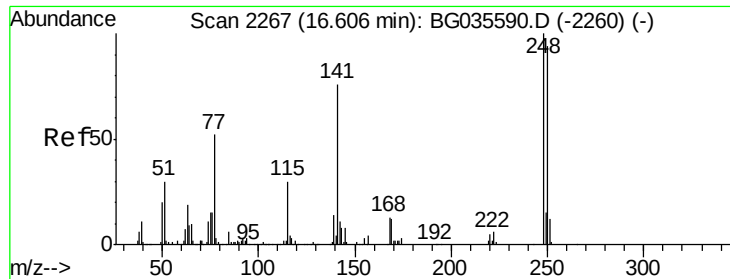


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

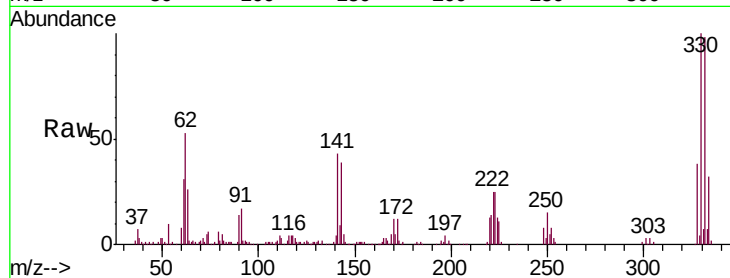




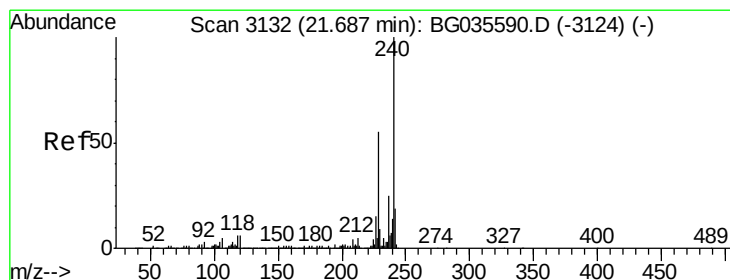
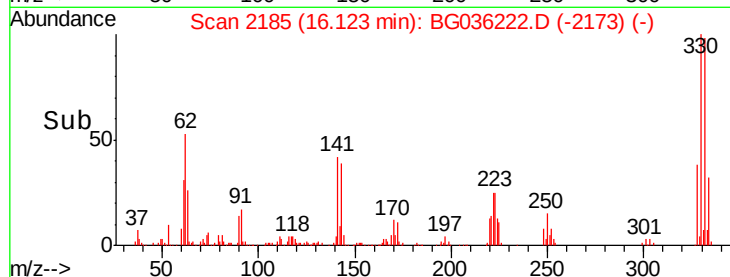
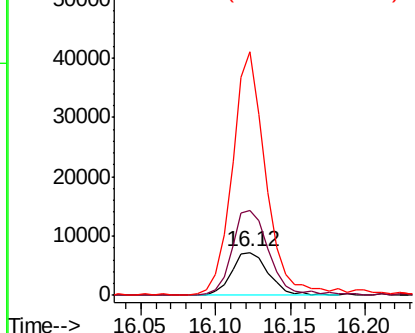
#66
 4-Bromophenyl-phenylether
 Concen: 5.262 ng
 RT: 16.12 min Scan# 2185
 Delta R.T. -0.46 min
 Lab File: BG036222.D
 Acq: 9 Aug 2018 7:51

Instrument :
 BNA_G
 ClientSampled :
 MW-22

Tgt Ion:248 Resp: 12557
 Ion Ratio Lower Upper
 248 100
 250 198.0 77.1 115.7#
 141 567.0 50.8 76.2#

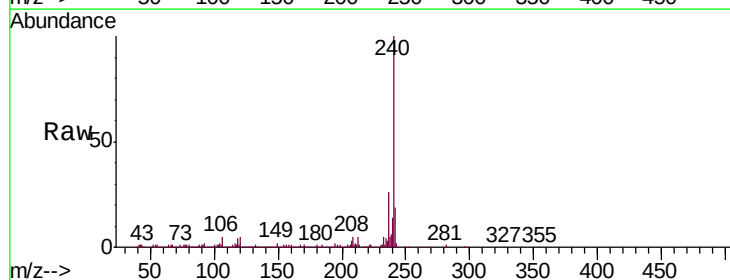


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

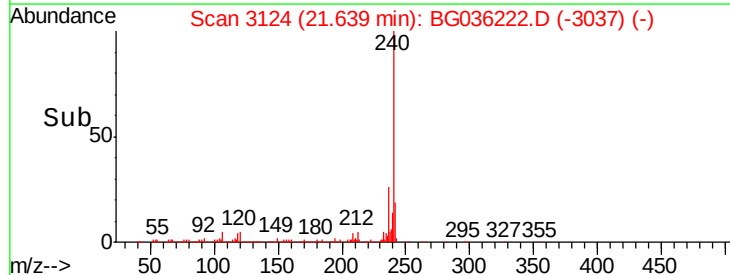
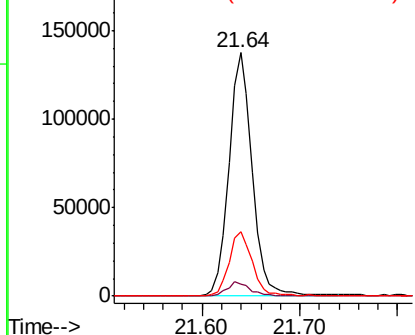


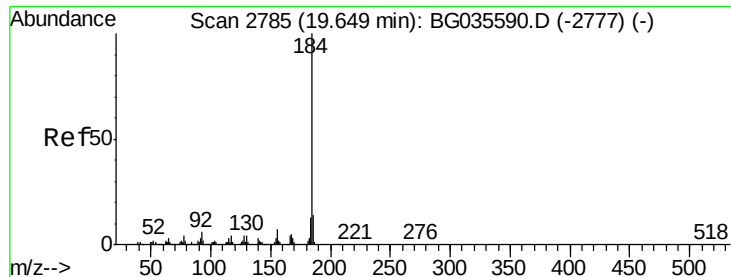
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.64 min Scan# 3124
 Delta R.T. -0.02 min
 Lab File: BG036222.D
 Acq: 9 Aug 2018 7:51

Tgt Ion:240 Resp: 228403
 Ion Ratio Lower Upper
 240 100
 120 5.1 6.8 10.2#
 236 26.4 20.9 31.3



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





#76

Benzidine

Concen: 3.123 ng

RT: 19.99 min Scan# 2843

Delta R.T. 0.36 min

Lab File: BG036222.D

Acq: 9 Aug 2018 7:51

Instrument :

BNA_G

ClientSampleId :

MW-22

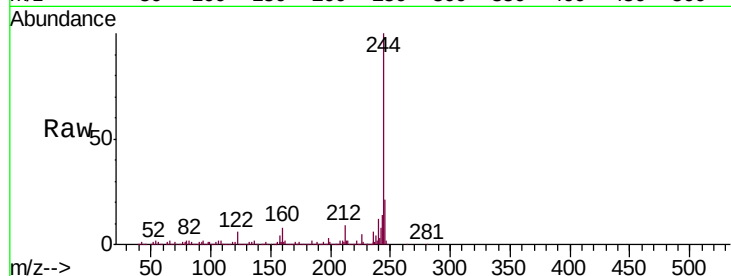
Tgt Ion:184 Resp: 18751

Ion Ratio Lower Upper

184 100

185 16.5 11.1 16.7

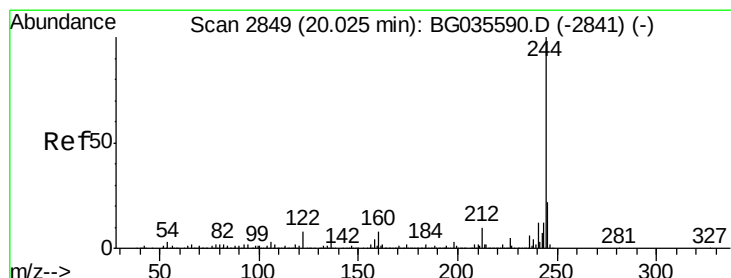
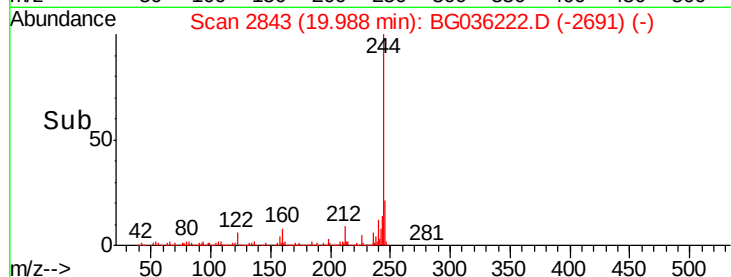
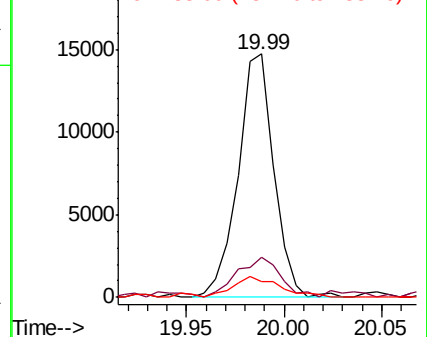
183 6.6 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 97.138 ng

RT: 19.99 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BG036222.D

Acq: 9 Aug 2018 7:51

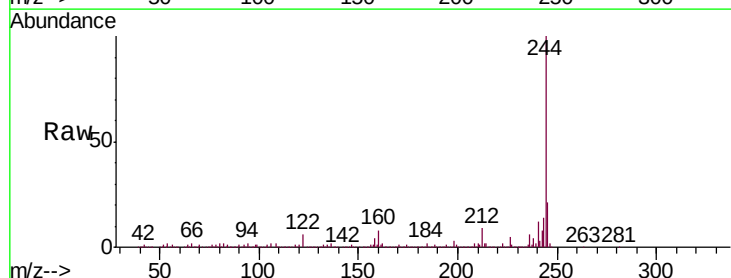
Tgt Ion:244 Resp: 1006516

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

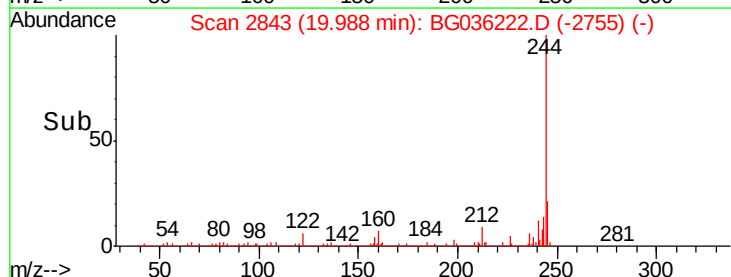
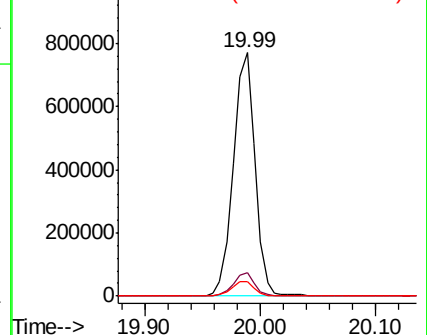
122 6.2 7.0 10.4#

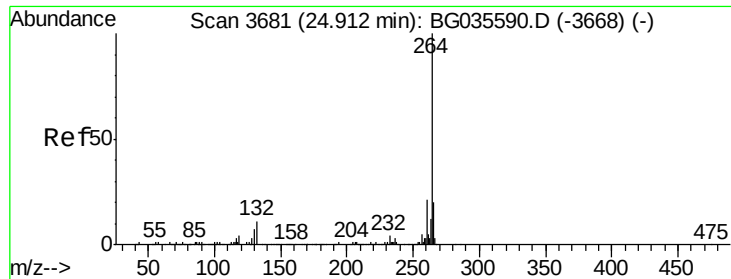


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

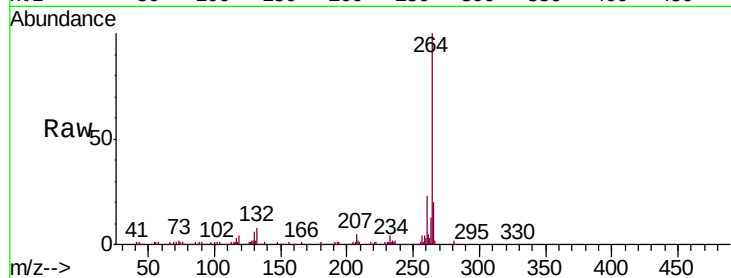




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.83 min Scan# 3667
Delta R.T. -0.03 min
Lab File: BG036222.D
Acq: 9 Aug 2018 7:51

Instrument :
BNA_G
ClientSampleId :
MW-22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.4	26.0
265	20.3	17.7	26.5



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

