

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120415\
 Data File : BG019917.D
 Acq On : 4 Dec 2015 23:00
 Operator : UM/NP
 Sample : G4630-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-30

Quant Time: Dec 05 00:31:38 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 02 18:50:01 2015
 Response via : Initial Calibration

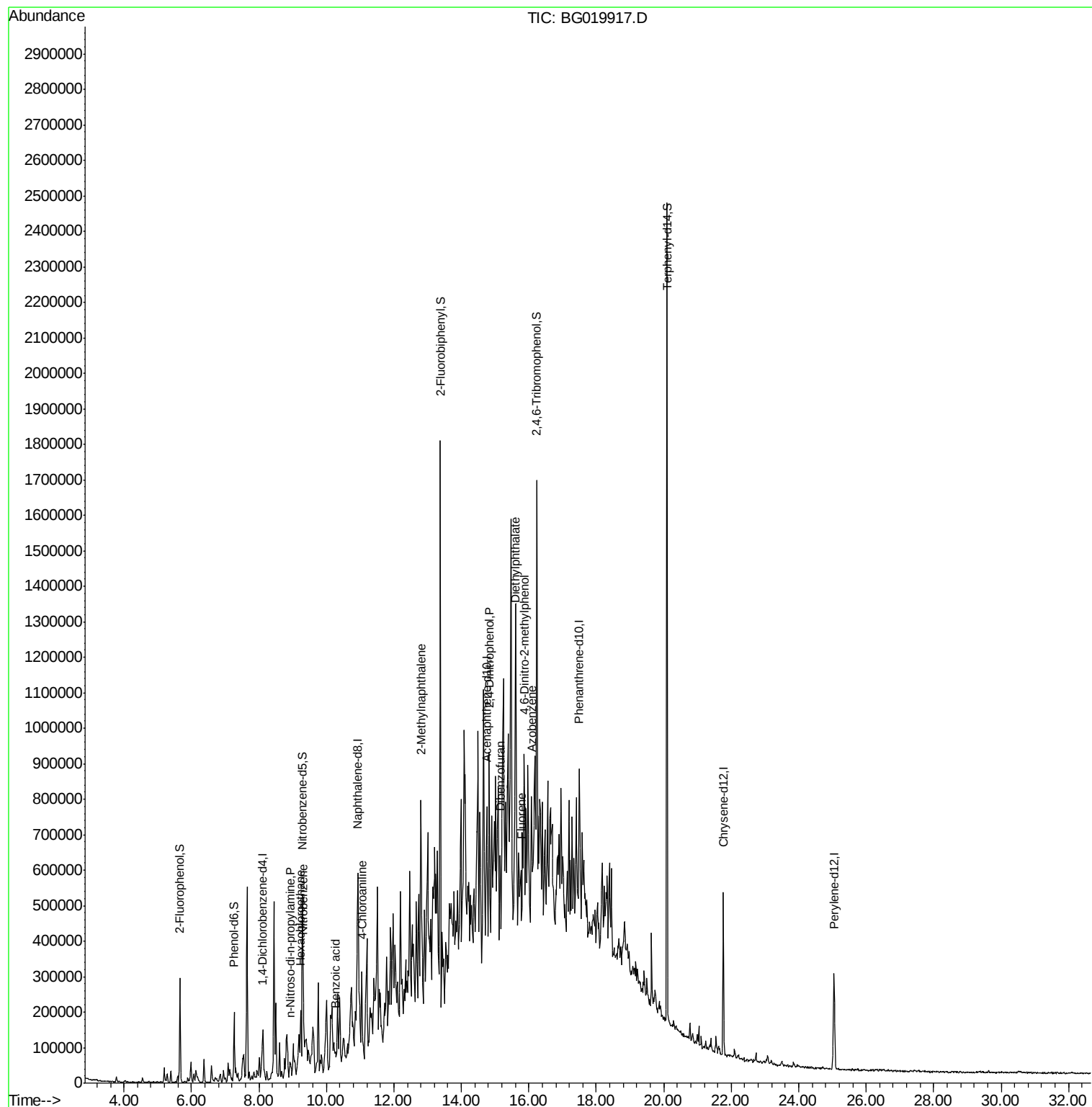
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	34753	20.00	ng	-0.02
21) Naphthalene-d8	10.94	136	144043	20.00	ng	-0.02
38) Acenaphthene-d10	14.75	164	100547	20.00	ng	-0.02
63) Phenanthrene-d10	17.49	188	234987	20.00	ng	-0.02
75) Chrysene-d12	21.77	240	295941	20.00	ng	-0.03
86) Perylene-d12	25.04	264	282214	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	117955	61.34	ng	0.00
7) Phenol-d6	7.26	99	109142	37.59	ng	0.00
23) Nitrobenzene-d5	9.29	82	286821	101.62	ng	-0.02
41) 2,4,6-Tribromophenol	16.24	330	203878	132.52	ng	0.00
44) 2-Fluorobiphenyl	13.37	172	661489	89.83	ng	-0.02
78) Terphenyl-d14	20.10	244	1016166	83.75	ng	-0.01
Target Compounds						
18) Hexachloroethane	9.23	117	35774	34.81	ng	# 33
19) n-Nitroso-di-n-propylamine	8.93	70	9868	4.31	ng	# 75
24) Nitrobenzene	9.32	77	8504	2.78	ng	# 15
32) Benzoic acid	10.26	122	639	6.34	ng	# 4
33) 4-Chloroaniline	11.06	127	15647	4.60	ng	# 83
37) 2-Methylnaphthalene	12.81	142	104266	18.44	ng	# 87
53) 2,4-Dinitrophenol	14.83	184	119	9.38	ng	# 1
54) Dibenzofuran	15.15	168	23097	2.36	ng	# 70
57) Fluorene	15.80	166	17793	2.03	ng	# 87
59) Diethylphthalate	15.60	149	43527	4.45	ng	# 57
62) Azobenzene	16.08	77	24481	3.01	ng	# 18
64) 4,6-Dinitro-2-methylphenol	15.85	198	373	6.35	ng	# 1

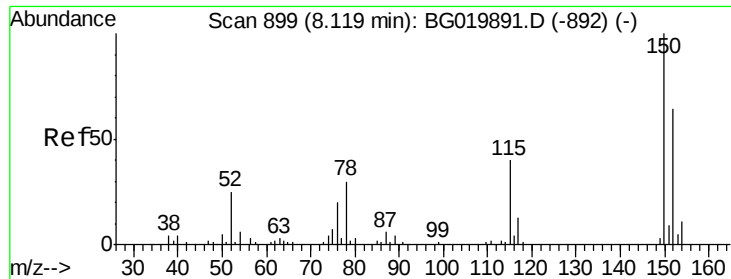
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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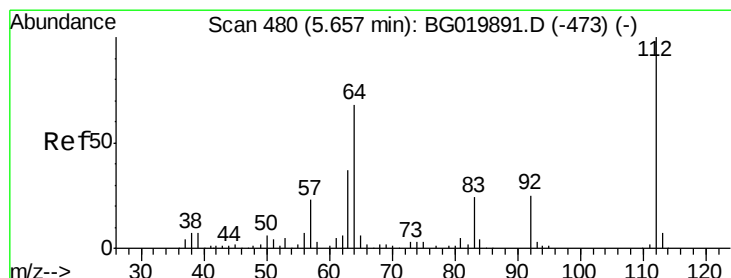
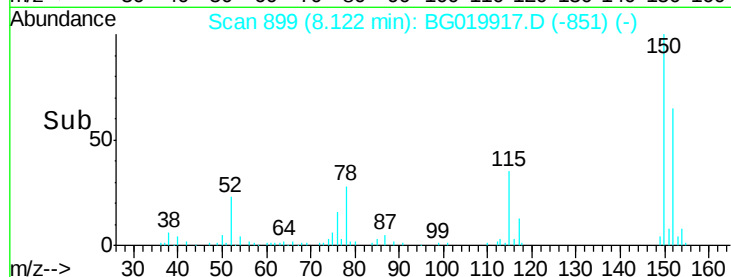
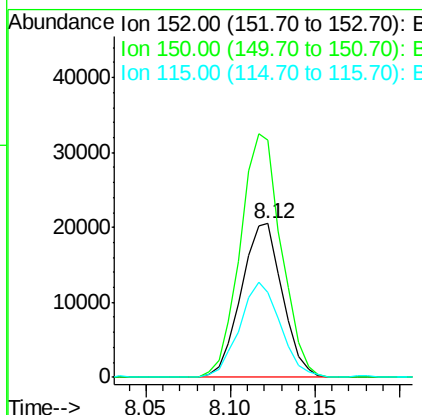
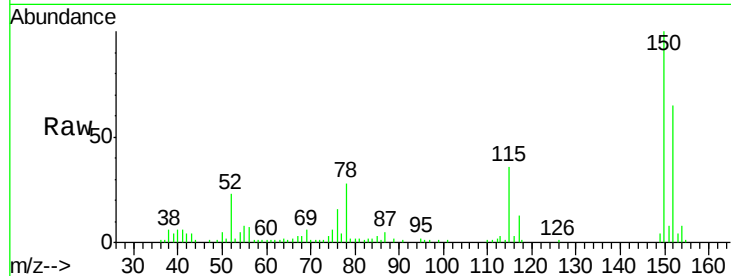


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.12 min Scan# 899
Delta R.T. -0.02 min
Lab File: BG019917.D
Acq: 4 Dec 2015 23:00

Instrument :
BNA_G
ClientSampleId :
MW-30

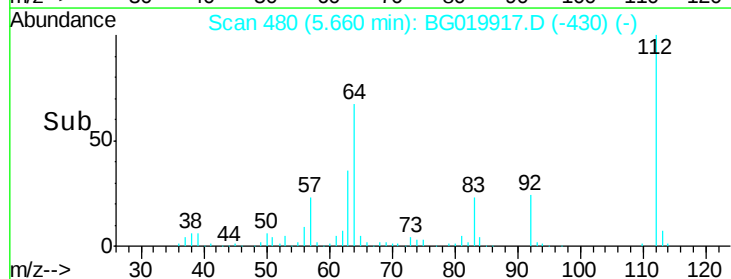
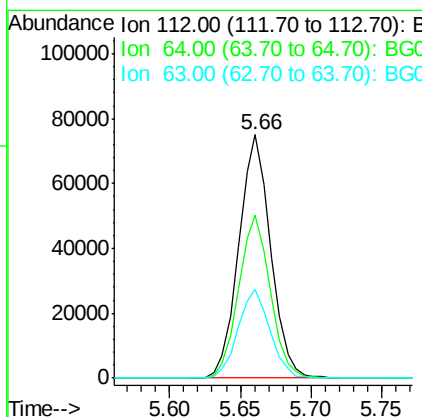
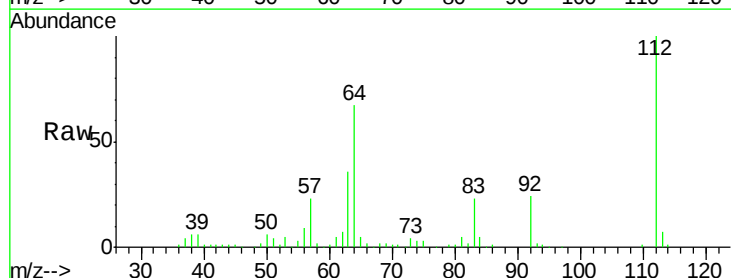
Tgt Ion:152 Resp: 34753
Ion Ratio Lower Upper
152 100
150 154.5 115.0 172.4
115 54.9 43.9 65.9

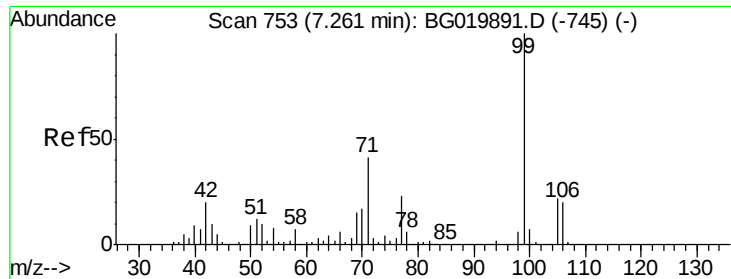


#5

2-Fluorophenol
Concen: 61.34 ng
RT: 5.66 min Scan# 480
Delta R.T. -0.01 min
Lab File: BG019917.D
Acq: 4 Dec 2015 23:00

Tgt Ion:112 Resp: 117955
Ion Ratio Lower Upper
112 100
64 67.1 43.7 65.5#
63 36.4 24.0 36.0#





#7

Phenol-d6

Concen: 37.59 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG019917.D

Acq: 4 Dec 2015 23:00

Instrument :

BNA_G

ClientSampleId :

MW-30

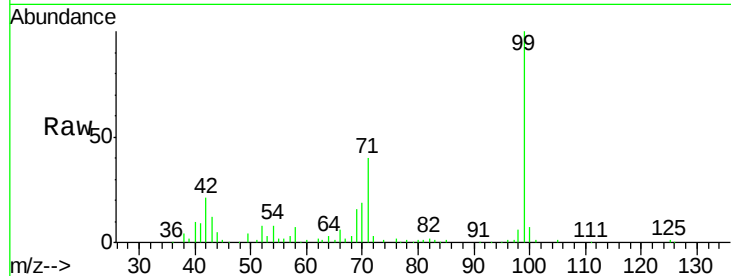
Tgt Ion: 99 Resp: 109142

Ion Ratio Lower Upper

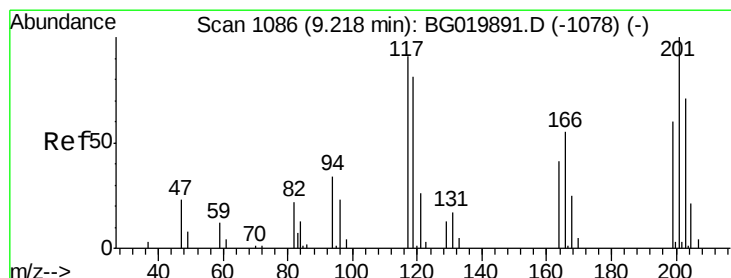
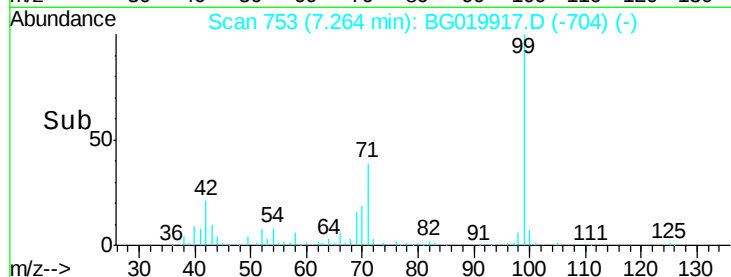
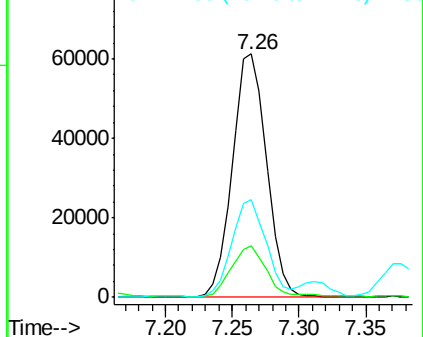
99 100

42 21.3 11.5 17.3#

71 40.3 22.6 34.0#



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: 34.81 ng

RT: 9.23 min Scan# 1088

Delta R.T. 0.01 min

Lab File: BG019917.D

Acq: 4 Dec 2015 23:00

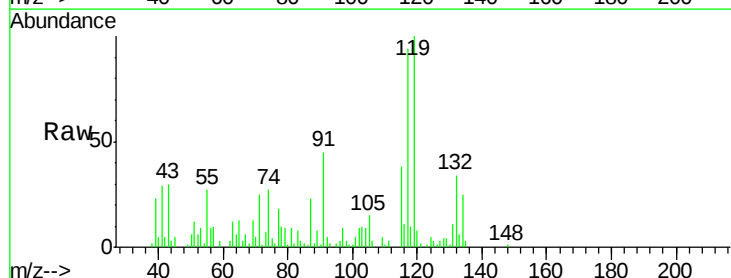
Tgt Ion: 117 Resp: 35774

Ion Ratio Lower Upper

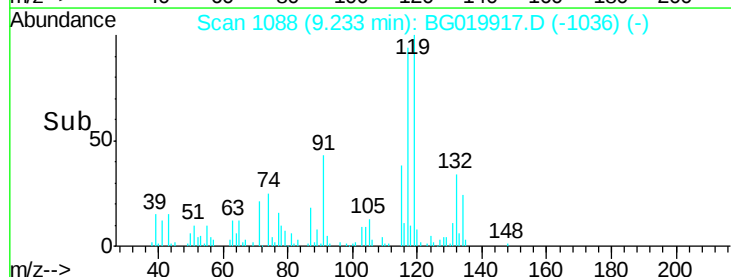
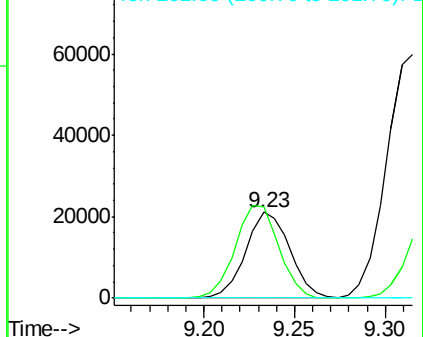
117 100

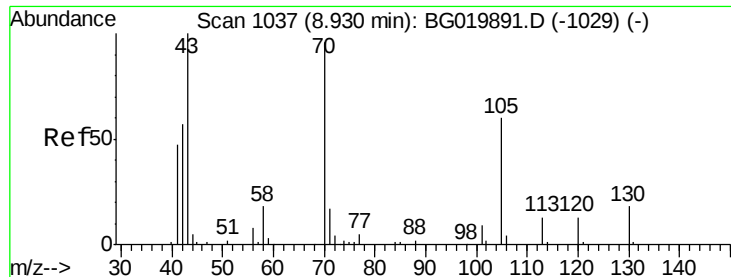
119 106.2 71.7 107.5

201 0.0 90.9 136.3#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

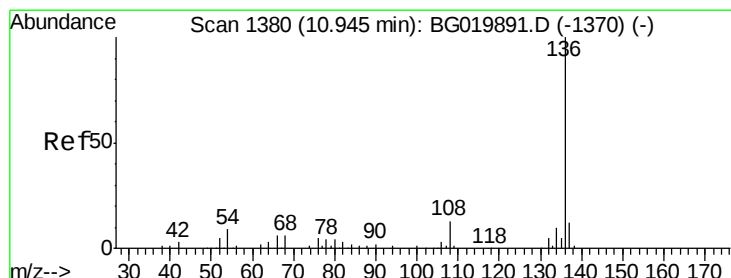
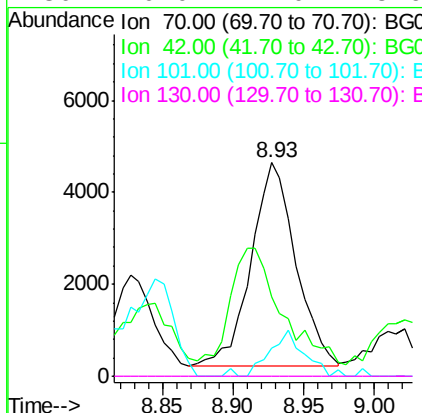
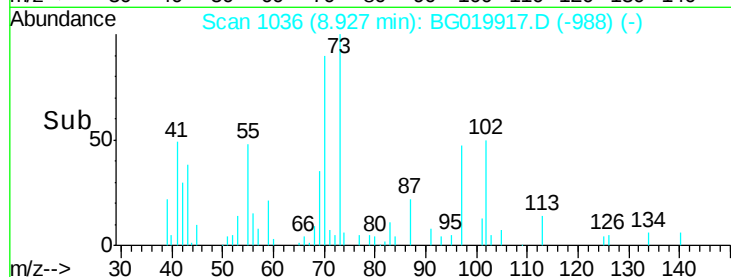
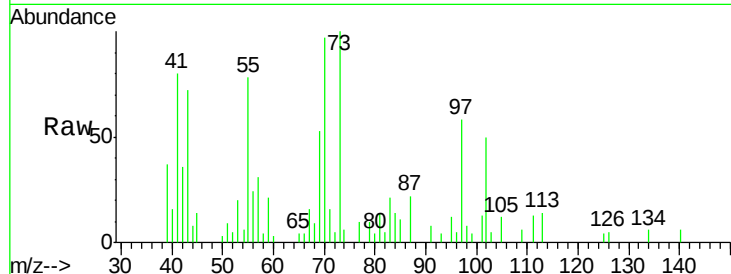




#19
n-Nitroso-di-n-propylamine
Concen: 4.31 ng
RT: 8.93 min Scan# 1036
Delta R.T. -0.02 min
Lab File: BG019917.D
Acq: 4 Dec 2015 23:00

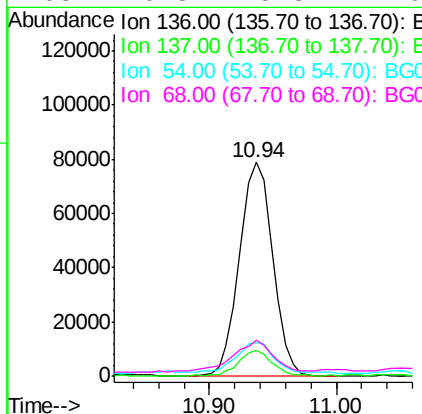
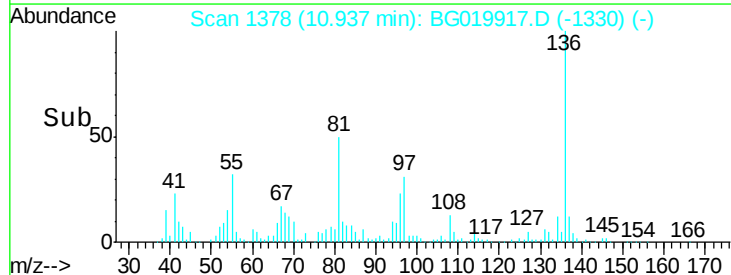
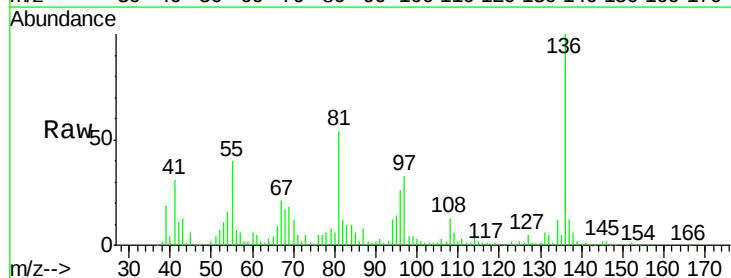
Instrument :
BNA_G
ClientSampleId :
MW-30

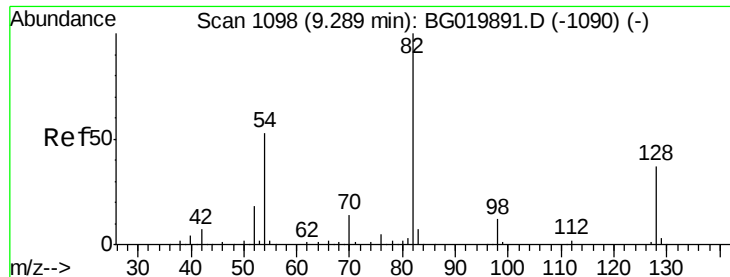
Tgt Ion: 70 Resp: 9868
Ion Ratio Lower Upper
70 100
42 36.9 40.6 60.8#
101 13.4 8.6 13.0#
130 0.0 17.0 25.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.94 min Scan# 1378
Delta R.T. -0.02 min
Lab File: BG019917.D
Acq: 4 Dec 2015 23:00

Tgt Ion: 136 Resp: 144043
Ion Ratio Lower Upper
136 100
137 12.3 8.6 12.8
54 15.8 5.4 8.2#
68 16.8 5.3 7.9#

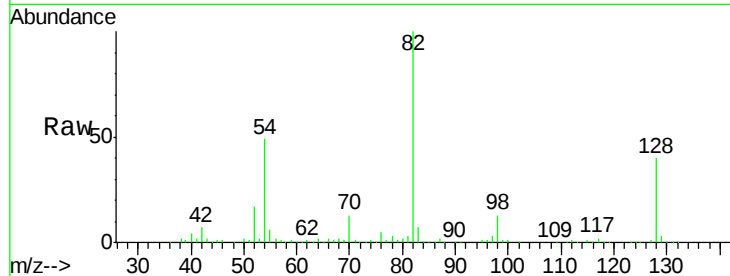




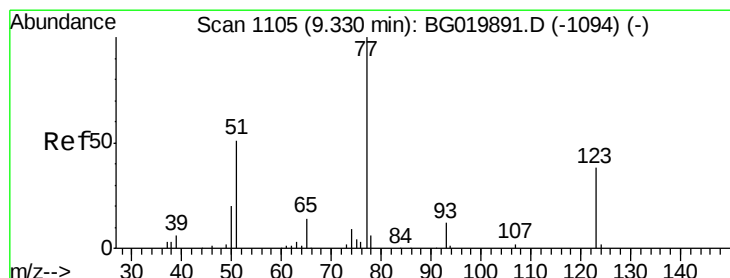
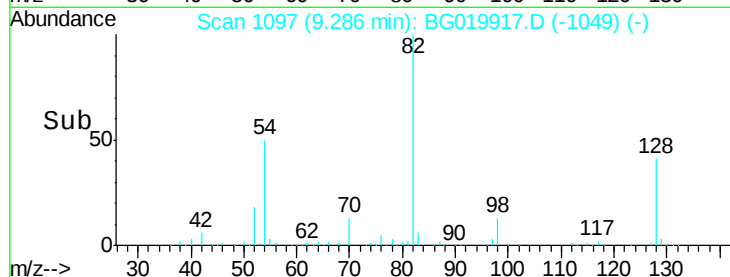
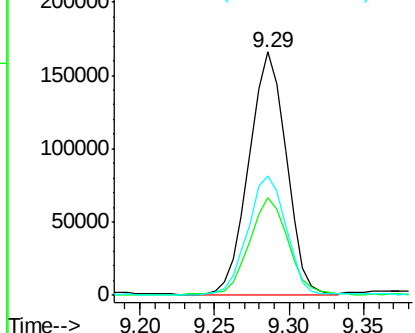
#23
 Nitrobenzene-d5
 Concen: 101.62 ng
 RT: 9.29 min Scan# 1097
 Delta R.T. -0.02 min
 Lab File: BG019917.D
 Acq: 4 Dec 2015 23:00

Instrument :
 BNA_G
 ClientSampleId :
 MW-30

Tgt Ion: 82 Resp: 286821
 Ion Ratio Lower Upper
 82 100
 128 40.1 36.7 55.1
 54 49.1 33.8 50.8

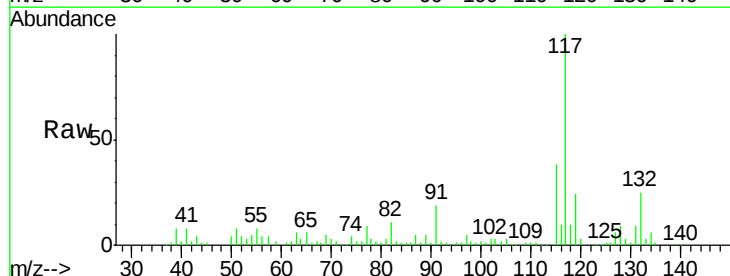


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

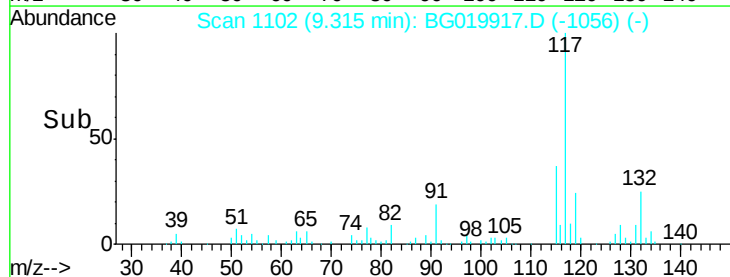
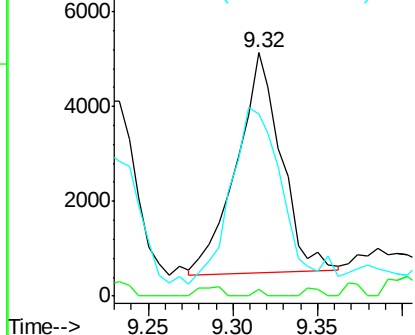


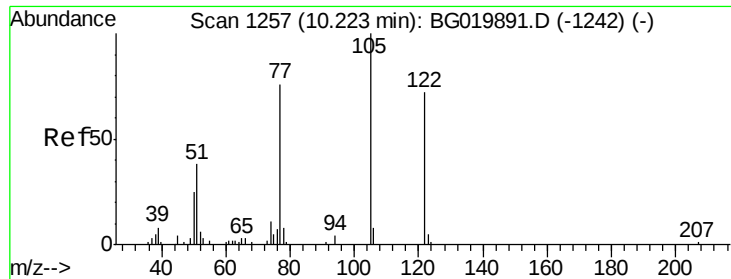
#24
 Nitrobenzene
 Concen: 2.78 ng
 RT: 9.32 min Scan# 1102
 Delta R.T. -0.03 min
 Lab File: BG019917.D
 Acq: 4 Dec 2015 23:00

Tgt Ion: 77 Resp: 8504
 Ion Ratio Lower Upper
 77 100
 123 3.0 38.2 57.2#
 65 74.7 10.6 16.0#



Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC

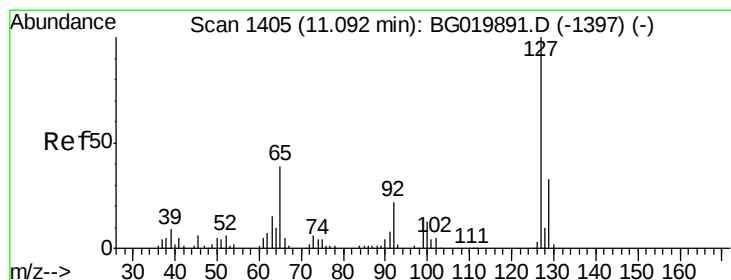
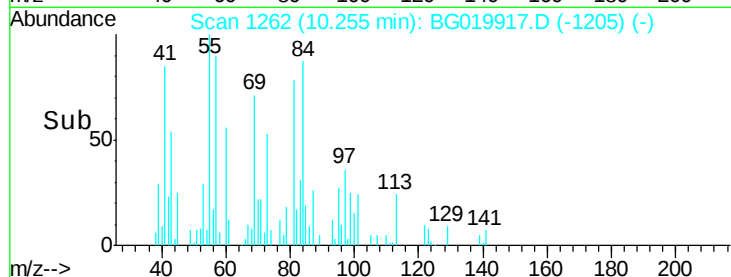
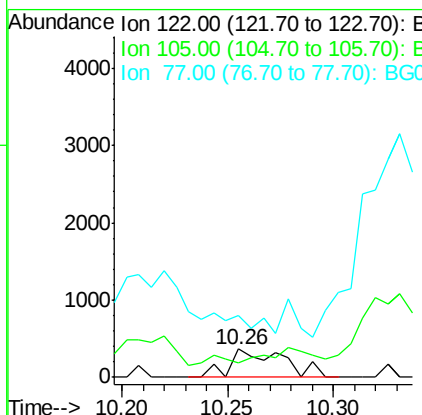
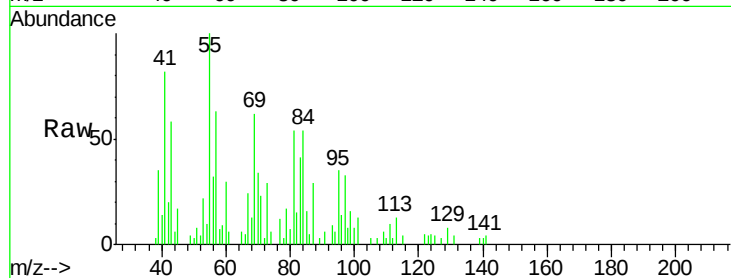




#32
Benzoic acid
Concen: 6.34 ng
RT: 10.26 min Scan# 1262
Delta R.T. 0.03 min
Lab File: BG019917.D
Acq: 4 Dec 2015 23:00

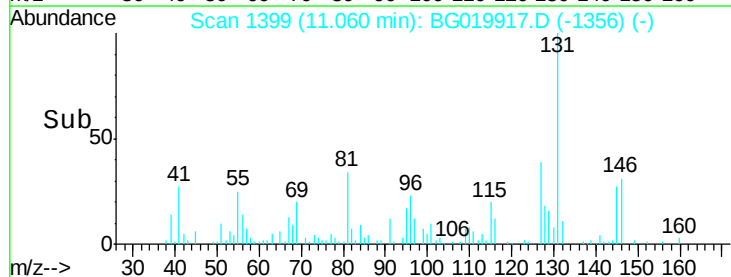
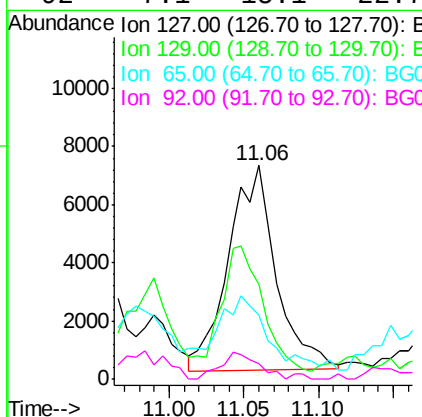
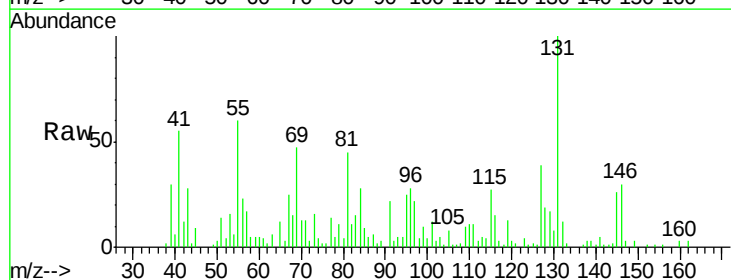
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MW-30

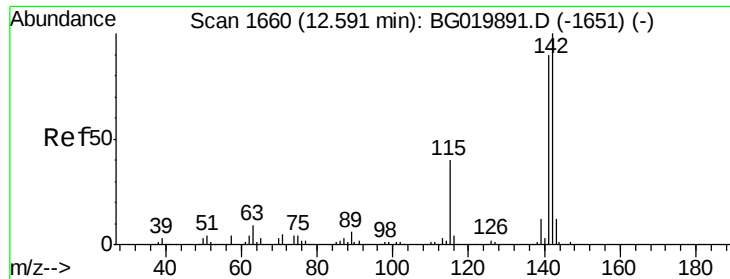
Tgt Ion:122 Resp: 639
Ion Ratio Lower Upper
122 100
105 48.5 103.8 143.8#
77 217.3 68.8 108.8#



#33
4-Chloroaniline
Concen: 4.60 ng
RT: 11.06 min Scan# 1399
Delta R.T. -0.04 min
Lab File: BG019917.D
Acq: 4 Dec 2015 23:00

Tgt Ion:127 Resp: 15647
Ion Ratio Lower Upper
127 100
129 44.1 24.6 37.0#
65 29.7 22.6 33.8
92 7.1 15.1 22.7#

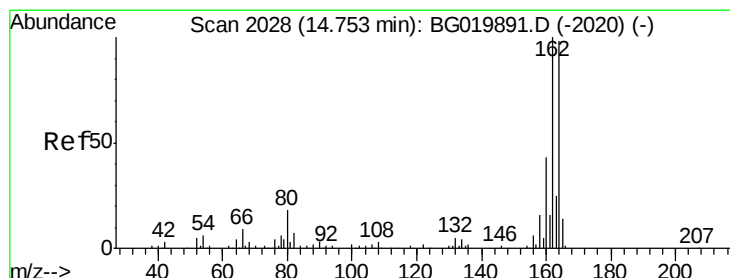
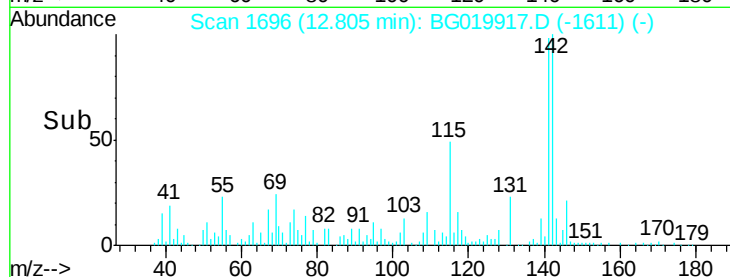
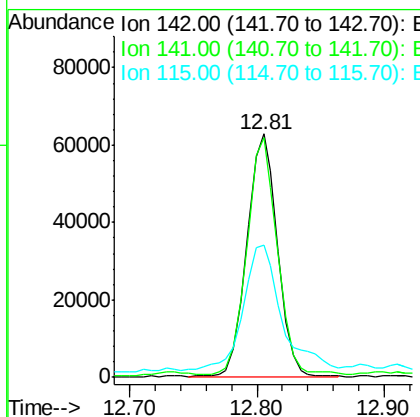
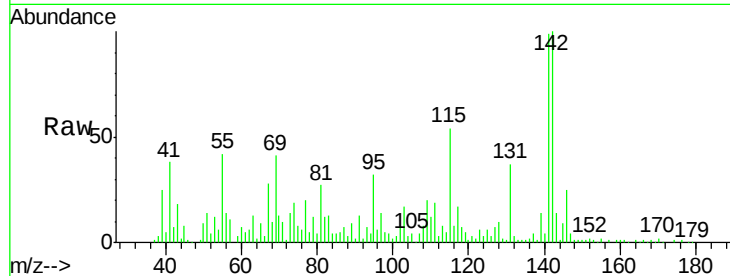




#37
2-Methylnaphthalene
Concen: 18.44 ng
RT: 12.81 min Scan# 1696
Delta R.T. 0.20 min
Lab File: BG019917.D
Acq: 4 Dec 2015 23:00

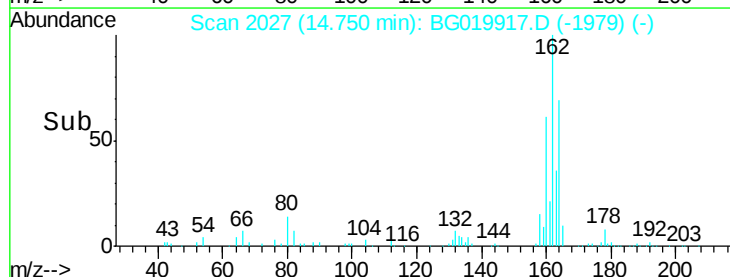
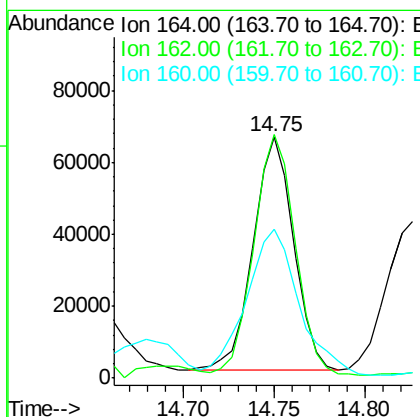
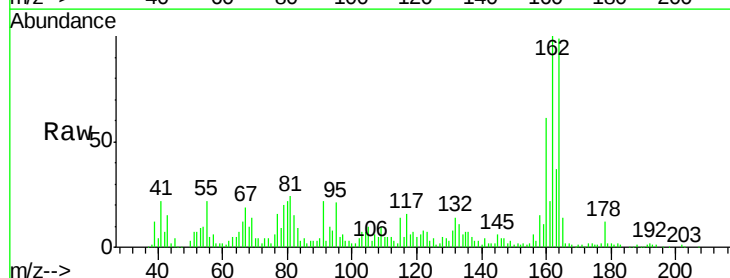
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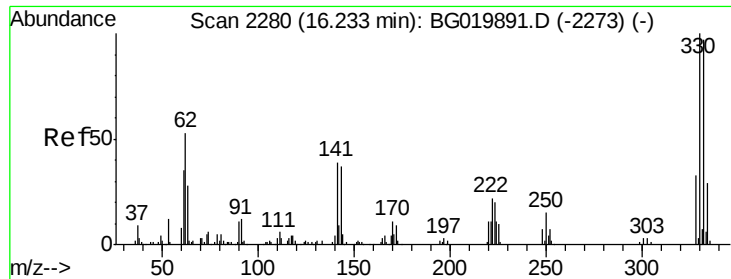
Tgt Ion:142 Resp: 104266
Ion Ratio Lower Upper
142 100
141 98.5 74.6 112.0
115 54.2 27.4 41.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BG019917.D
Acq: 4 Dec 2015 23:00

Tgt Ion:164 Resp: 100547
Ion Ratio Lower Upper
164 100
162 101.0 78.8 118.2
160 61.7 36.4 54.6#

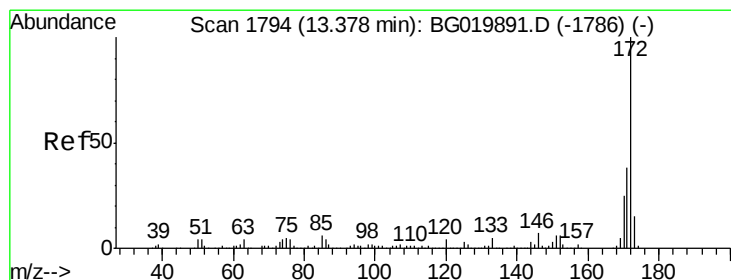
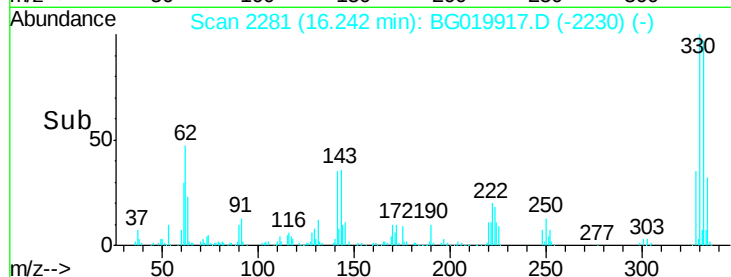
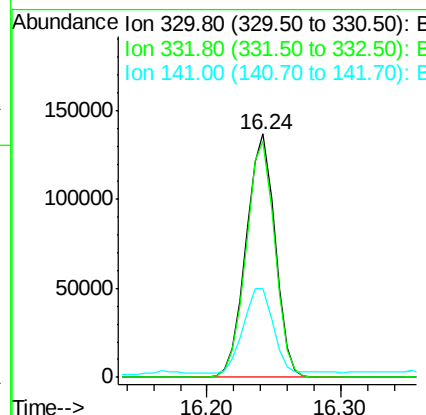
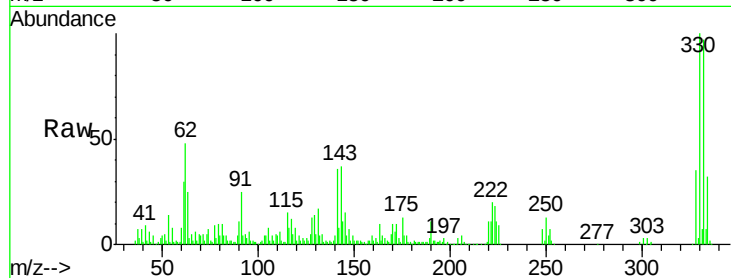




#41
 2,4,6-Tribromophenol
 Concen: 132.52 ng
 RT: 16.24 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: BG019917.D
 Acq: 4 Dec 2015 23:00

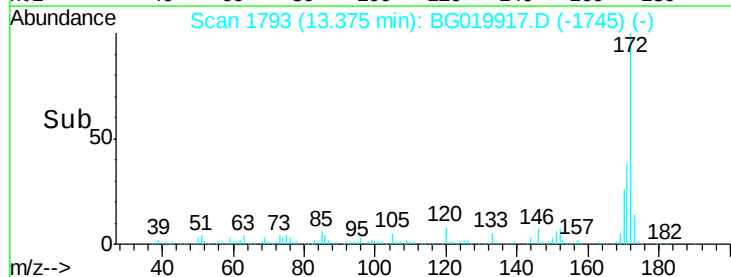
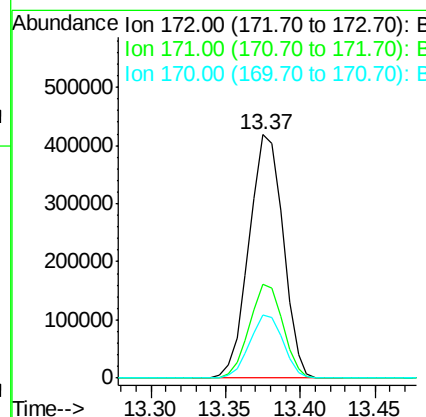
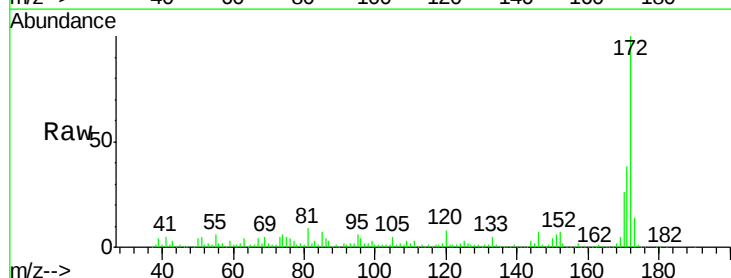
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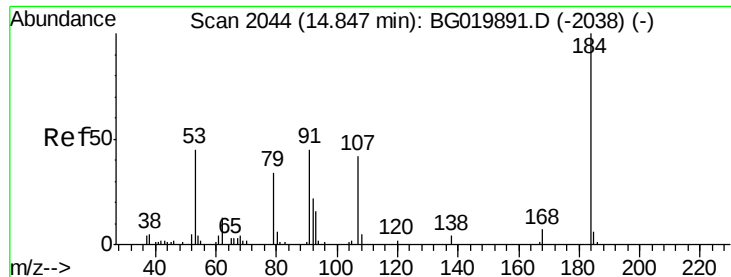
Tgt Ion:330 Resp: 203878
 Ion Ratio Lower Upper
 330 100
 332 96.3 78.1 117.1
 141 36.6 28.2 42.2



#44
 2-Fluorobiphenyl
 Concen: 89.83 ng
 RT: 13.37 min Scan# 1793
 Delta R.T. -0.02 min
 Lab File: BG019917.D
 Acq: 4 Dec 2015 23:00

Tgt Ion:172 Resp: 661489
 Ion Ratio Lower Upper
 172 100
 171 38.4 29.0 43.6
 170 25.9 19.9 29.9

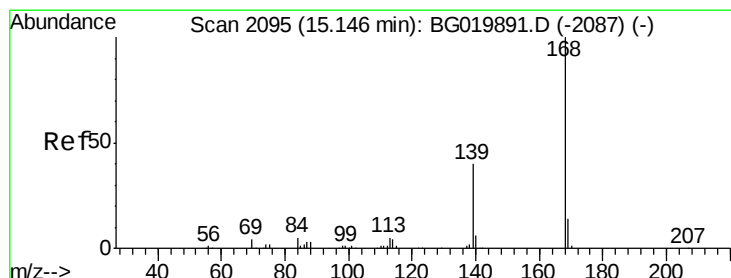
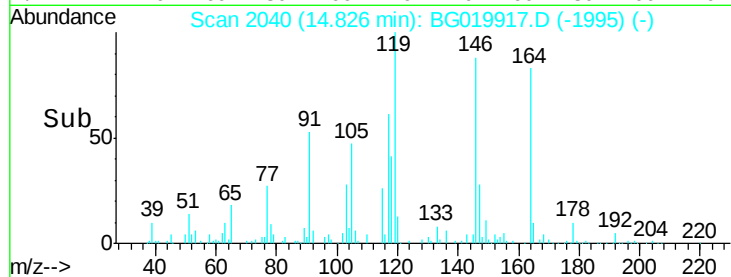
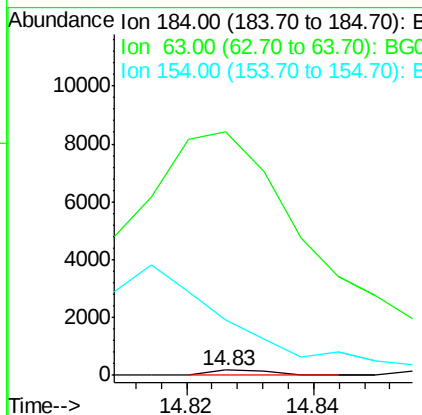
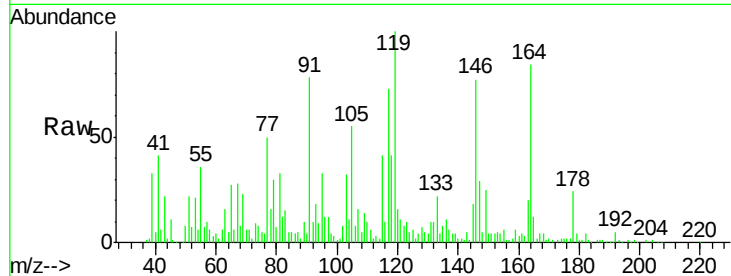




#53
2,4-Dinitrophenol
Concen: 9.38 ng
RT: 14.83 min Scan# 2040
Delta R.T. -0.03 min
Lab File: BG019917.D
Acq: 4 Dec 2015 23:00

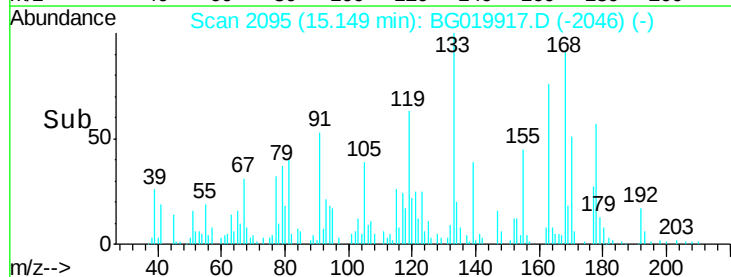
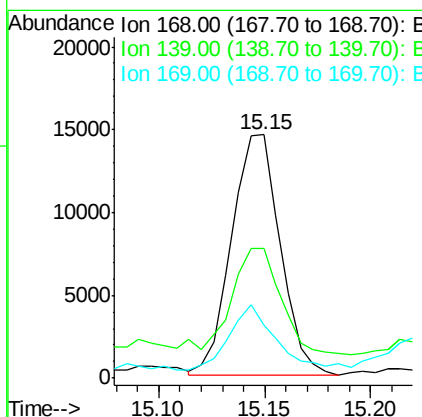
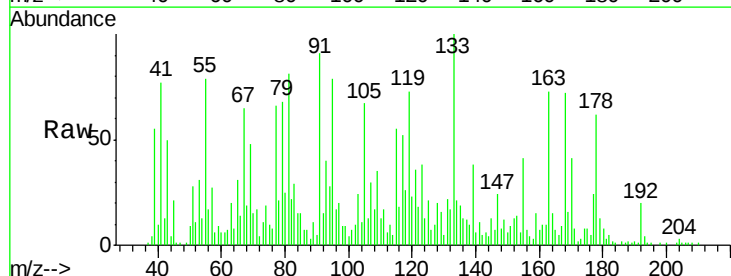
Instrument :
BNA_G
ClientSampleId :
MW-30

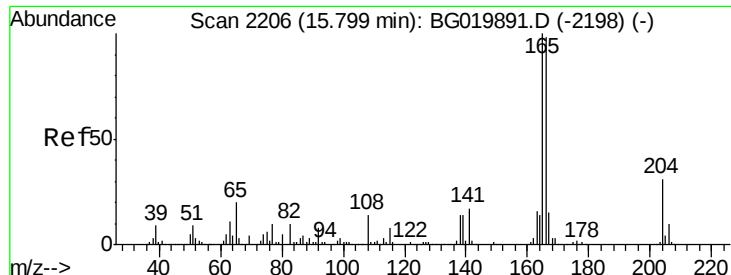
Tgt Ion:184 Resp: 119
Ion Ratio Lower Upper
184 100
63 4500.5 42.7 64.1#
154 1027.3 44.3 66.5#



#54
Dibenzofuran
Concen: 2.36 ng
RT: 15.15 min Scan# 2095
Delta R.T. -0.01 min
Lab File: BG019917.D
Acq: 4 Dec 2015 23:00

Tgt Ion:168 Resp: 23097
Ion Ratio Lower Upper
168 100
139 53.5 27.4 41.0#
169 21.6 11.0 16.4#





#57

Fluorene

Concen: 2.03 ng

RT: 15.80 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BG019917.D

Acq: 4 Dec 2015 23:00

Instrument :

BNA_G

ClientSampleId :

MW-30

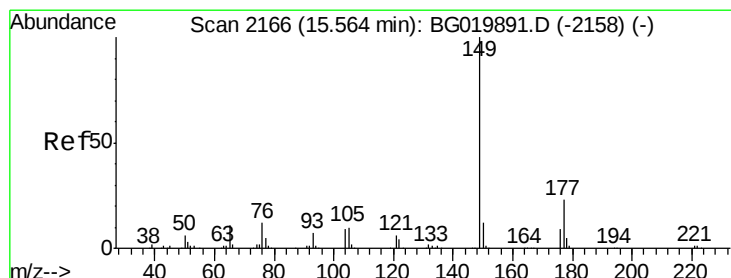
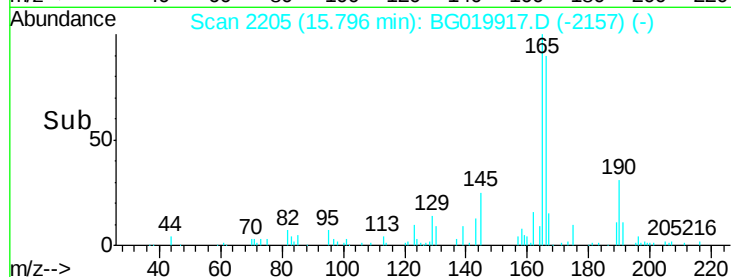
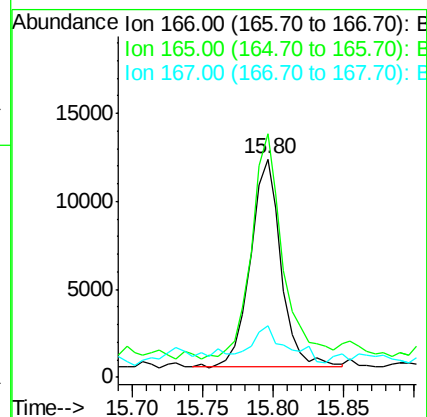
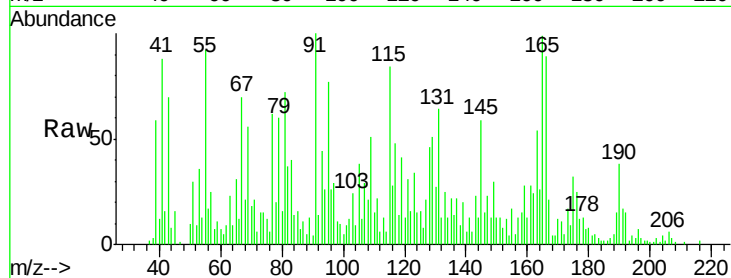
Tgt Ion:166 Resp: 17793

Ion Ratio Lower Upper

166 100

165 111.4 80.0 120.0

167 23.6 11.1 16.7#



#59

Diethylphthalate

Concen: 4.45 ng

RT: 15.60 min Scan# 2171

Delta R.T. 0.02 min

Lab File: BG019917.D

Acq: 4 Dec 2015 23:00

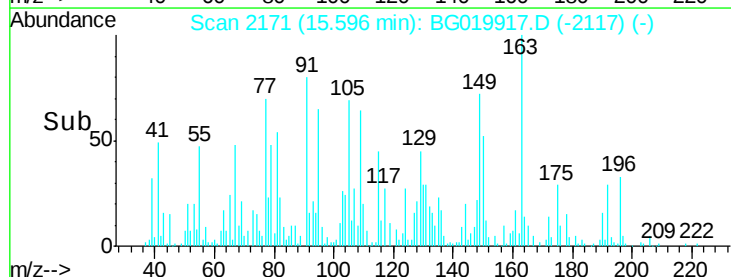
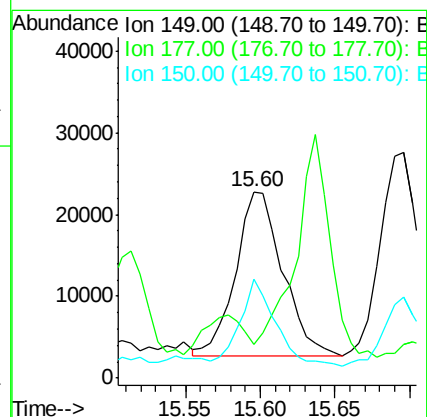
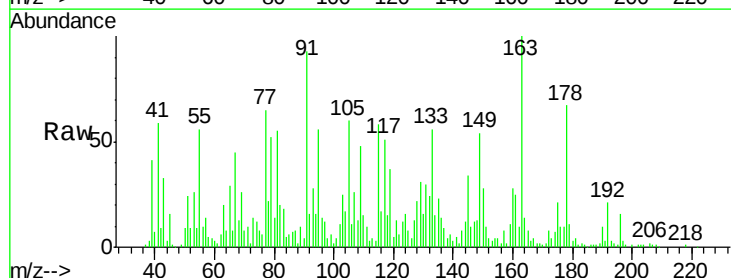
Tgt Ion:149 Resp: 43527

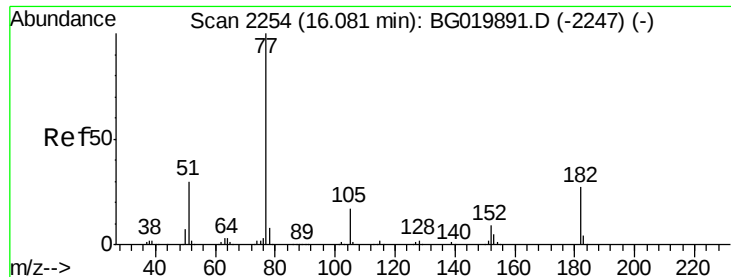
Ion Ratio Lower Upper

149 100

177 18.4 19.6 29.4#

150 53.0 10.2 15.2#





#62

Azobenzene

Concen: 3.01 ng

RT: 16.08 min Scan# 2253

Delta R.T. -0.02 min

Lab File: BG019917.D

Acq: 4 Dec 2015 23:00

Instrument :

BNA_G

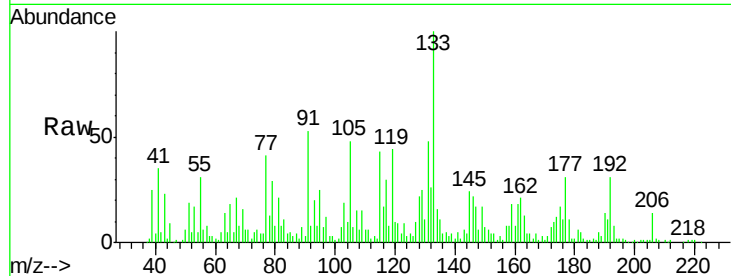
ClientSampleId :

MW-30

Tgt Ion: 77 Resp: 24481

Ion Ratio Lower Upper

77	100		
182	12.7	7.0	47.0
105	116.4	1.4	41.4#
51	44.7	4.9	44.9

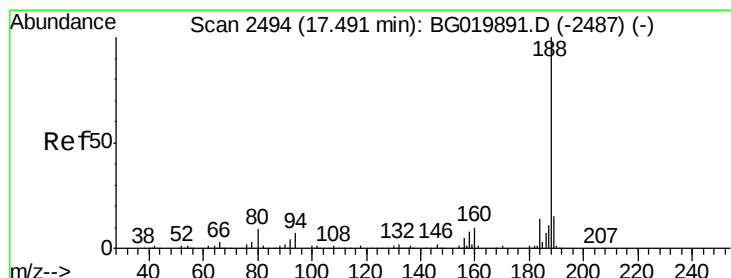
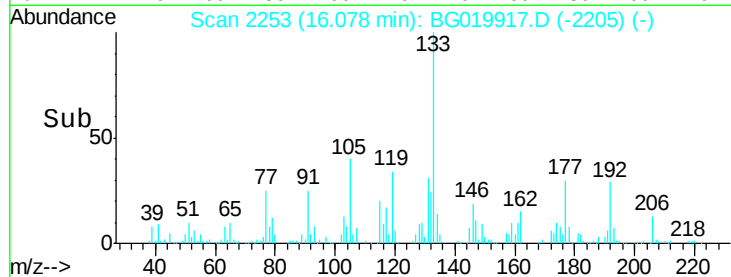
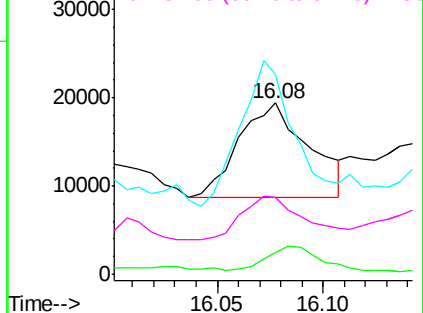


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2494

Delta R.T. -0.02 min

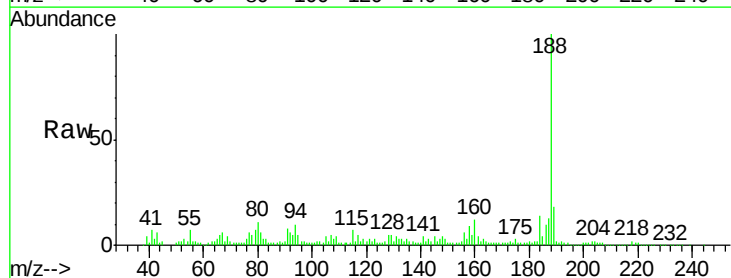
Lab File: BG019917.D

Acq: 4 Dec 2015 23:00

Tgt Ion: 188 Resp: 234987

Ion Ratio Lower Upper

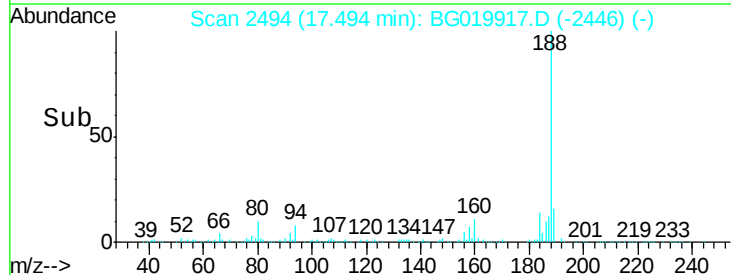
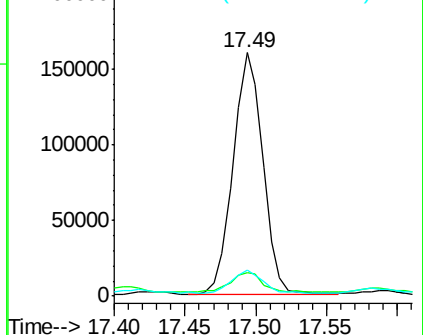
188	100		
94	9.8	7.7	11.5
80	10.8	7.8	11.8

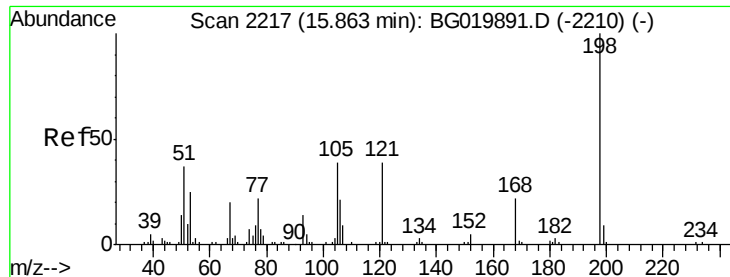


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 6.35 ng

RT: 15.85 min Scan# 2215

Delta R.T. -0.02 min

Lab File: BG019917.D

Acq: 4 Dec 2015 23:00

Instrument :

BNA_G

ClientSampleId :

MW-30

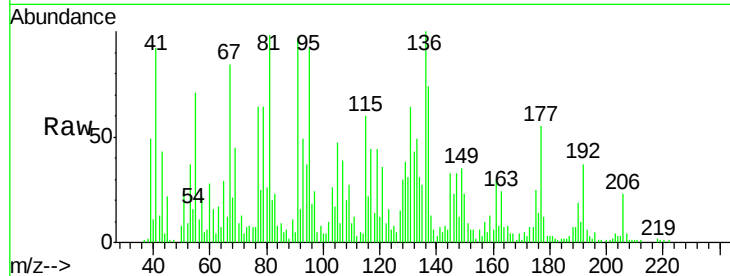
Tgt Ion:198 Resp: 373

Ion Ratio Lower Upper

198 100

51 1895.0 14.2 54.2#

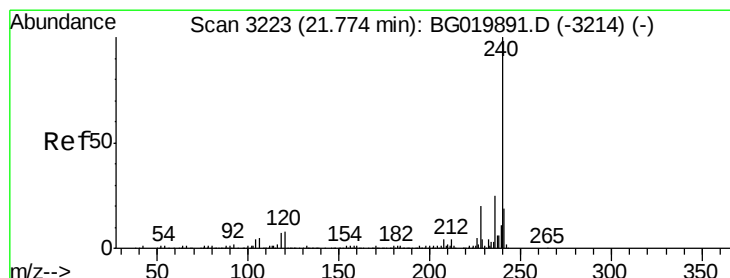
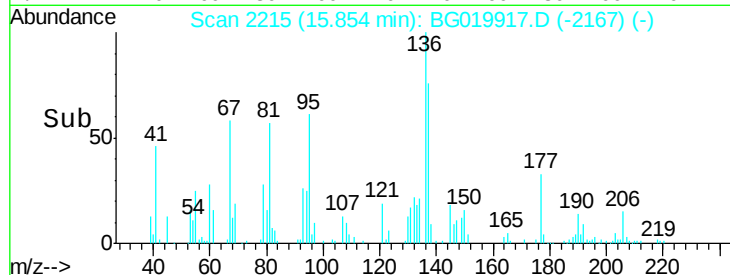
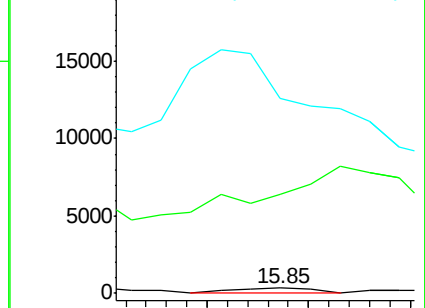
105 3744.5 21.1 61.1#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.77 min Scan# 3221

Delta R.T. -0.03 min

Lab File: BG019917.D

Acq: 4 Dec 2015 23:00

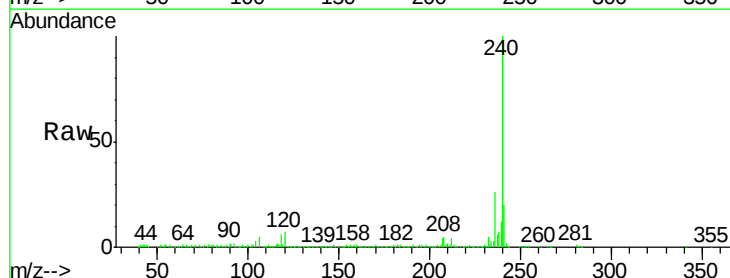
Tgt Ion:240 Resp: 295941

Ion Ratio Lower Upper

240 100

120 7.1 7.4 11.0#

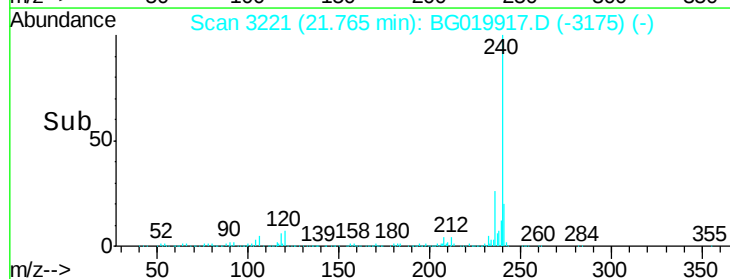
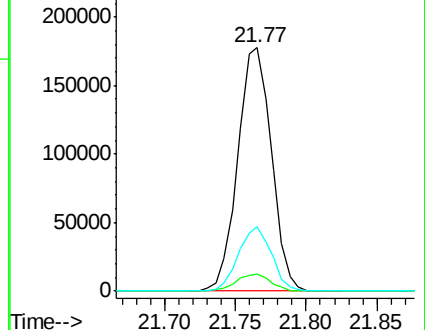
236 26.3 20.7 31.1

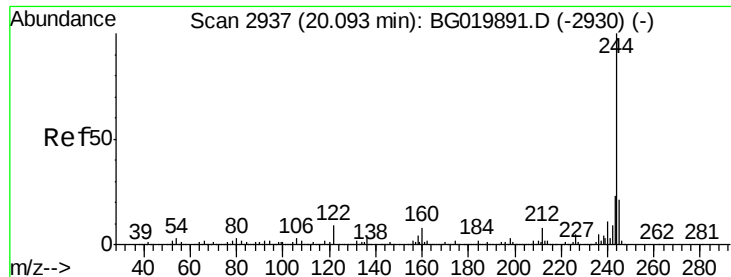


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 83.75 ng

RT: 20.10 min Scan# 2937

Delta R.T. -0.01 min

Lab File: BG019917.D

Acq: 4 Dec 2015 23:00

Instrument :

BNA_G

ClientSampleId :

MW-30

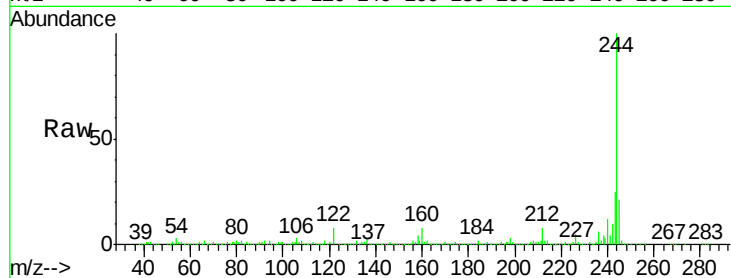
Tgt Ion:244 Resp: 1016166

Ion Ratio Lower Upper

244 100

212 8.5 6.9 10.3

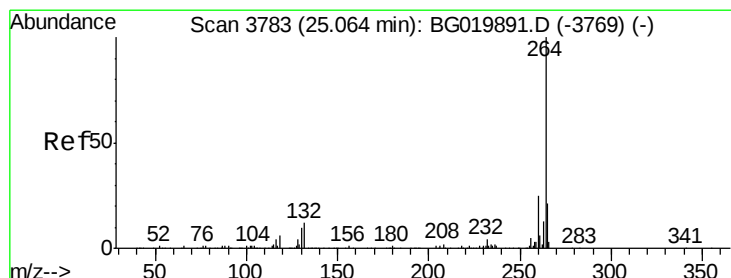
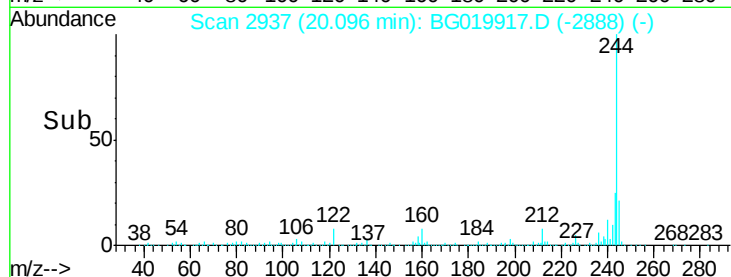
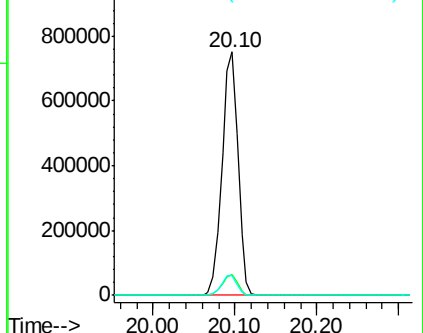
122 8.2 10.2 15.2#



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: 25.04 min Scan# 3779

Delta R.T. -0.05 min

Lab File: BG019917.D

Acq: 4 Dec 2015 23:00

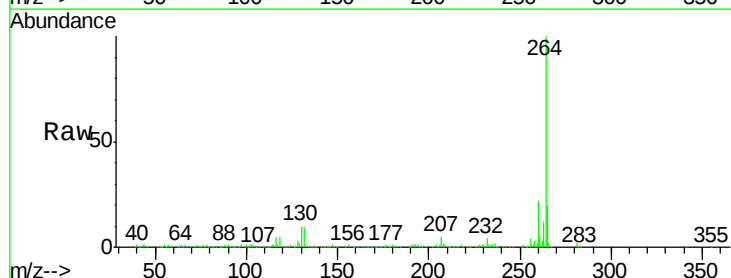
Tgt Ion:264 Resp: 282214

Ion Ratio Lower Upper

264 100

260 21.9 18.5 27.7

265 19.8 17.2 25.8



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

