

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080818\
 Data File : BG036205.D
 Acq On : 8 Aug 2018 19:52
 Operator : JU/SJ
 Sample : J4352-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

Quant Time: Aug 09 01:32:03 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

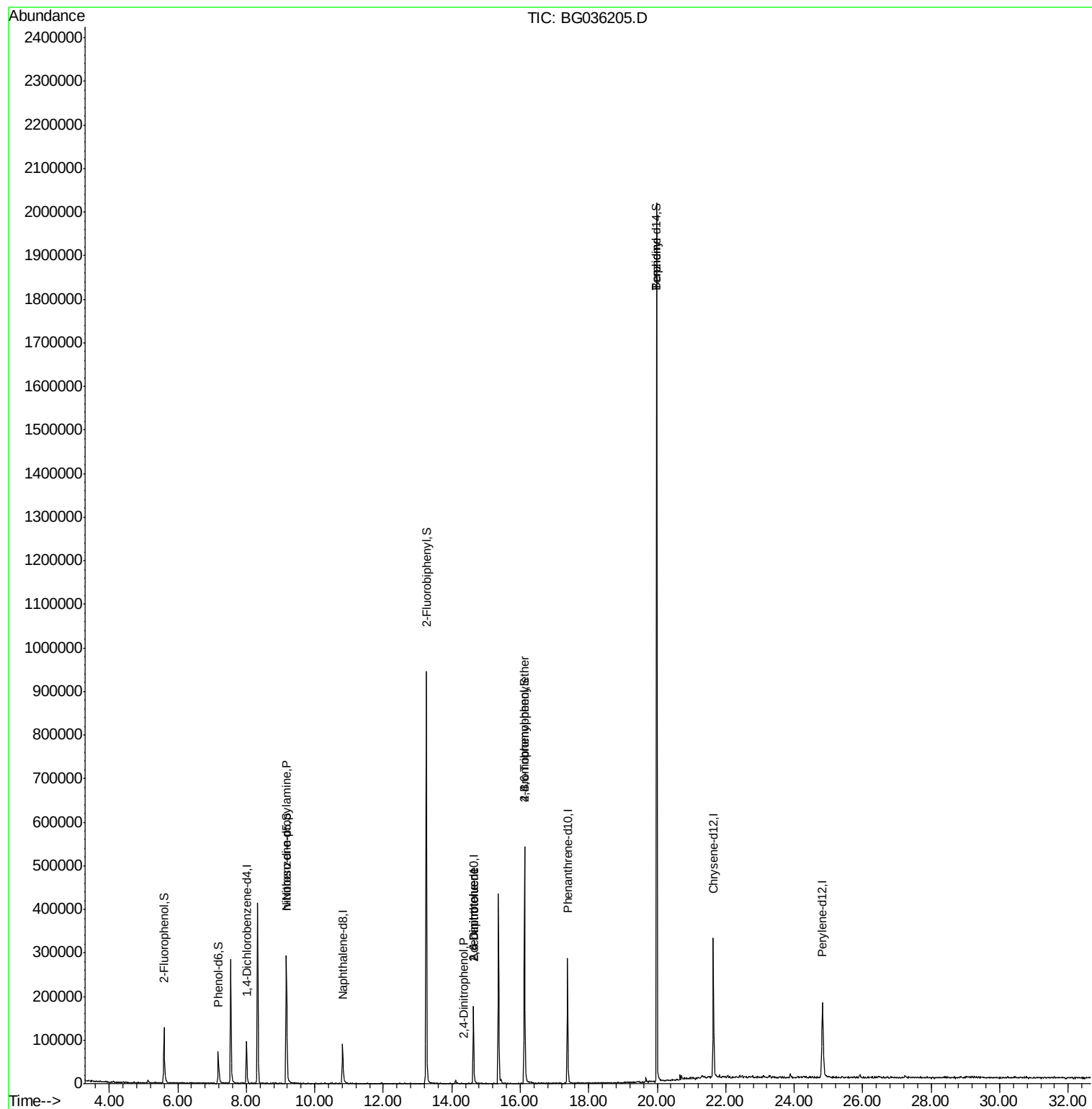
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	26579	20.00	ng	-0.01
21) Naphthalene-d8	10.81	136	96941	20.00	ng	-0.02
38) Acenaphthene-d10	14.64	164	67305	20.00	ng	-0.01
63) Phenanthrene-d10	17.38	188	196764	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	220410	20.00	ng	-0.02
86) Perylene-d12	24.83	264	211030	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	65500	40.91	ng	0.00
7) Phenol-d6	7.19	99	55007	23.03	ng	0.00
23) Nitrobenzene-d5	9.17	82	230759	99.44	ng	-0.01
41) 2,4,6-Tribromophenol	16.12	330	110836	124.94	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	542483	107.98	ng	-0.02
78) Terphenyl-d14	19.98	244	1009920	101.00	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	32445	16.131	ng	# 67
50) 2,6-Dinitrotoluene	14.63	165	9214	7.673	ng	# 20
53) 2,4-Dinitrophenol	14.33	184	60	6.671	ng	# 1
56) 2,4-Dinitrotoluene	14.63	165	9214	5.348	ng	# 18
66) 4-Bromophenyl-phenylether	16.13	248	8994	3.940	ng	# 1
76) Benzidine	19.98	184	17836	3.078	ng	# 87

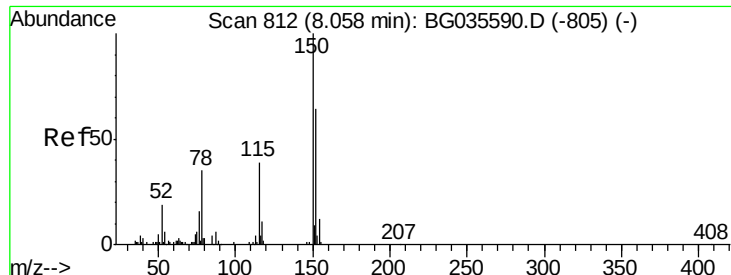
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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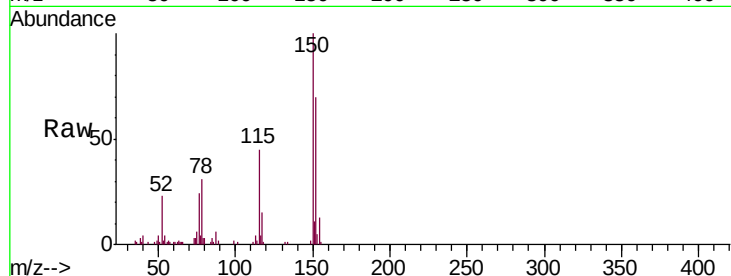




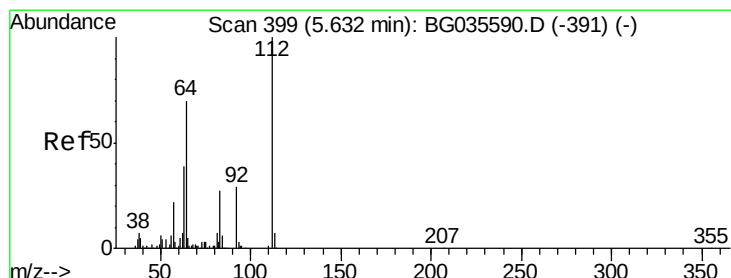
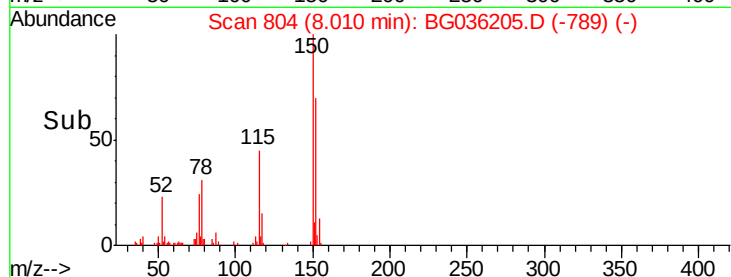
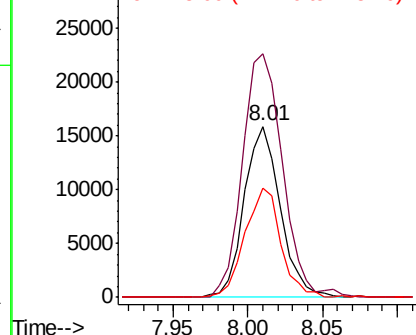
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BG036205.D
 Acq: 8 Aug 2018 19:52

Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

Tgt Ion:152 Resp: 26579
 Ion Ratio Lower Upper
 152 100
 150 142.5 126.6 189.8
 115 63.8 53.0 79.4

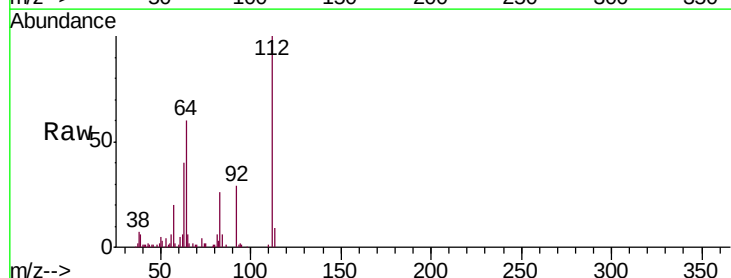


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

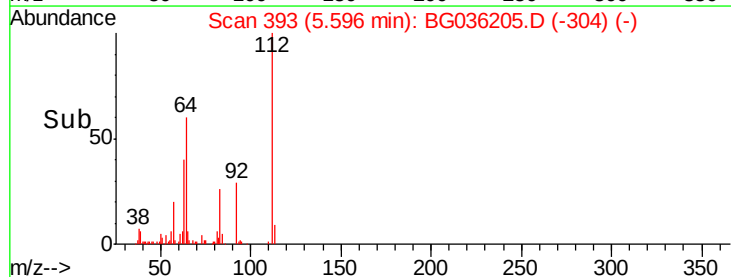
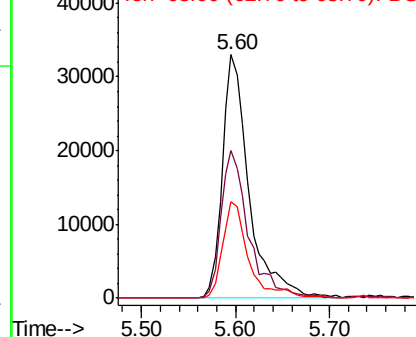


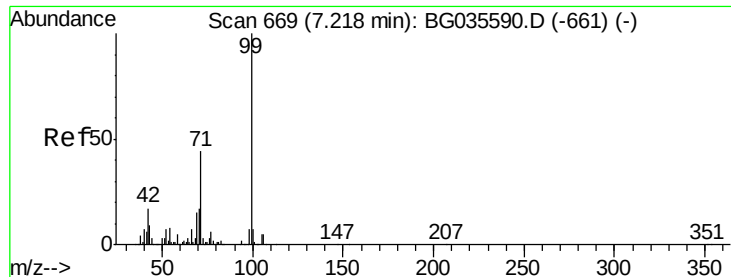
#5
 2-Fluorophenol
 Concen: 40.914 ng
 RT: 5.60 min Scan# 393
 Delta R.T. -0.01 min
 Lab File: BG036205.D
 Acq: 8 Aug 2018 19:52

Tgt Ion:112 Resp: 65500
 Ion Ratio Lower Upper
 112 100
 64 60.4 56.3 84.5
 63 39.6 30.1 45.1



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: 23.029 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG036205.D

Acq: 8 Aug 2018 19:52

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

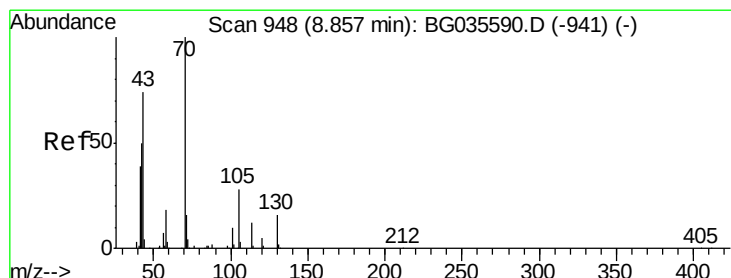
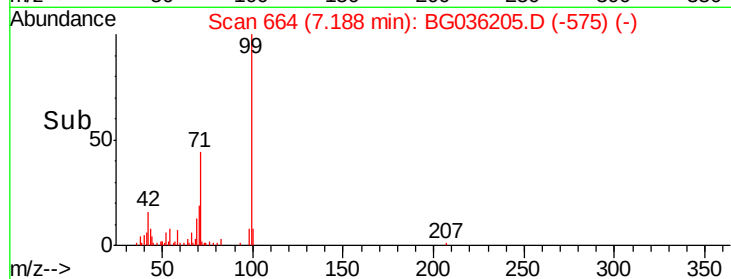
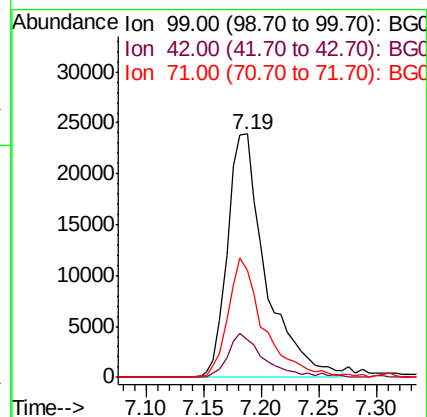
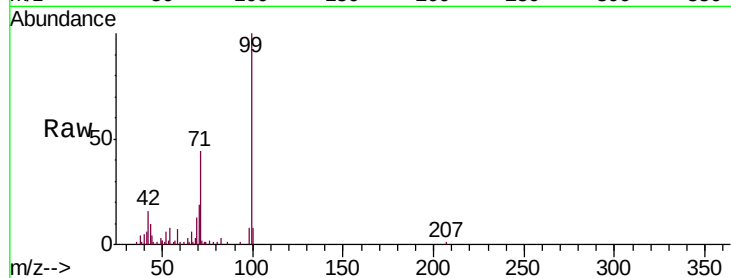
Tgt Ion: 99 Resp: 55007

Ion Ratio Lower Upper

99 100

42 15.5 14.1 21.1

71 44.0 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 16.131 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036205.D

Acq: 8 Aug 2018 19:52

Tgt Ion: 70 Resp: 32445

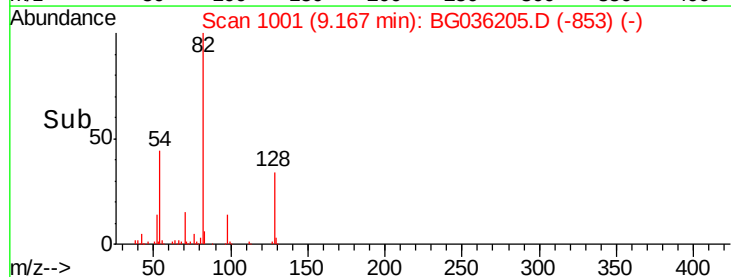
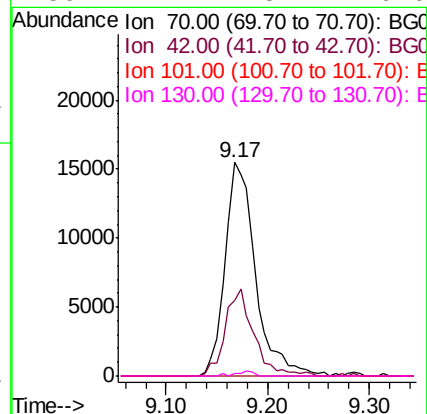
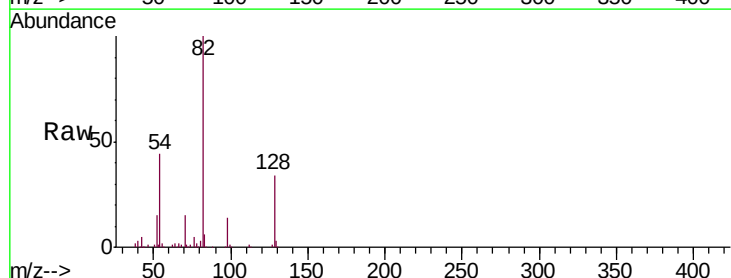
Ion Ratio Lower Upper

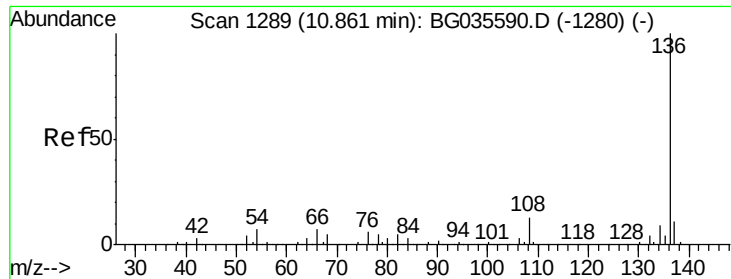
70 100

42 35.6 49.1 73.7#

101 0.0 8.5 12.7#

130 1.4 13.4 20.0#

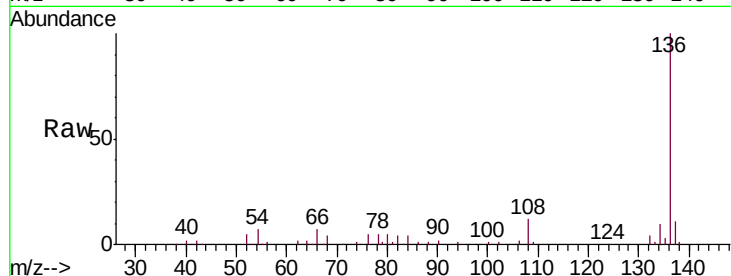




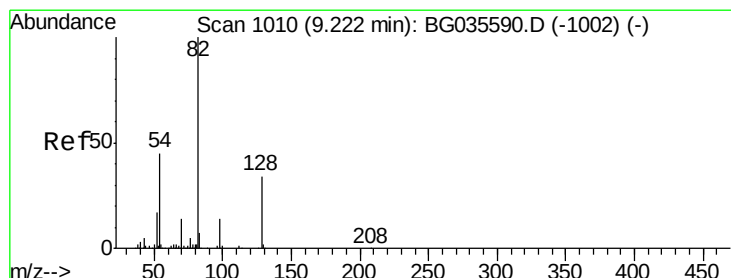
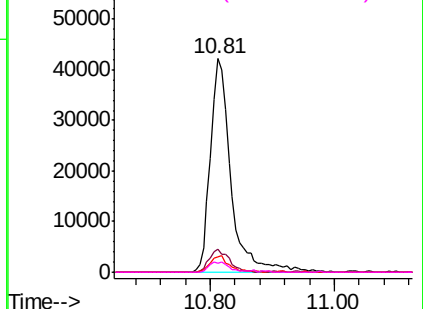
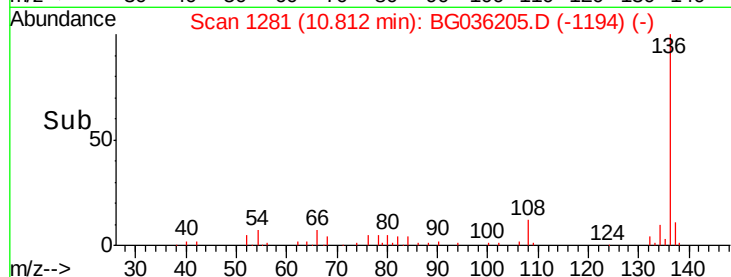
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036205.D
Acq: 8 Aug 2018 19:52

Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

Tgt Ion:136 Resp: 96941
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 7.4 10.3 15.5#
68 4.3 4.5 6.7#

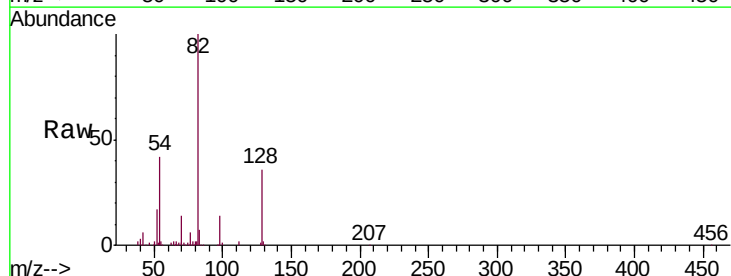


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

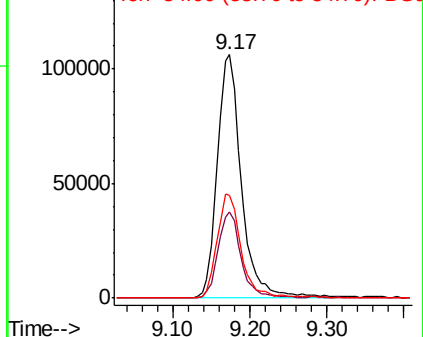
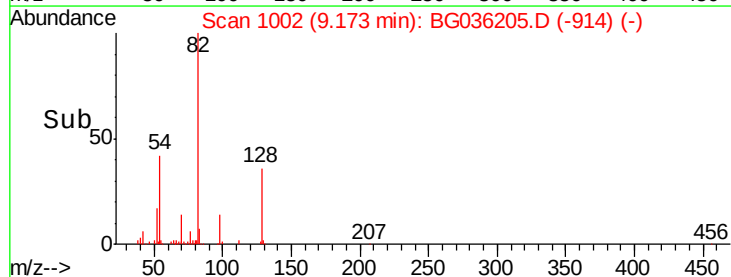


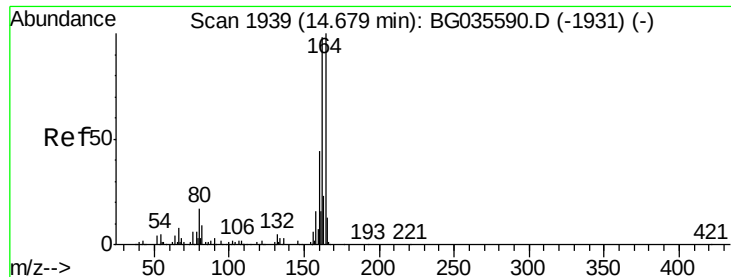
#23
Nitrobenzene-d5
Concen: 99.441 ng
RT: 9.17 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BG036205.D
Acq: 8 Aug 2018 19:52

Tgt Ion: 82 Resp: 230759
Ion Ratio Lower Upper
82 100
128 35.5 29.7 44.5
54 42.2 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: 14.64 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG036205.D

Acq: 8 Aug 2018 19:52

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

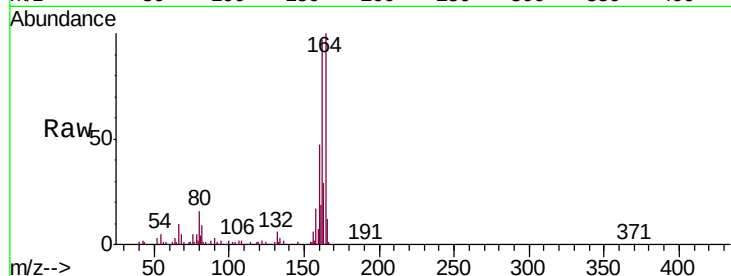
Tgt Ion:164 Resp: 67305

Ion Ratio Lower Upper

164 100

162 96.7 78.8 118.2

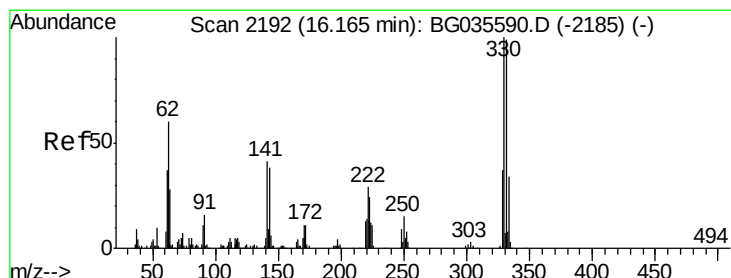
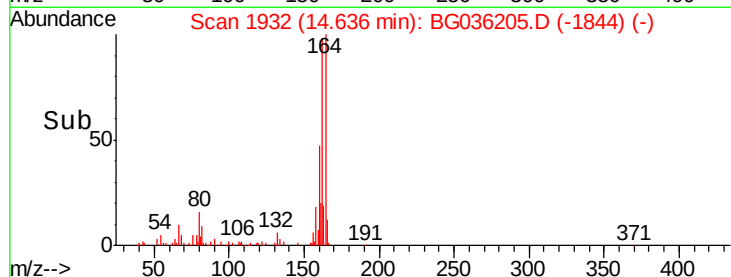
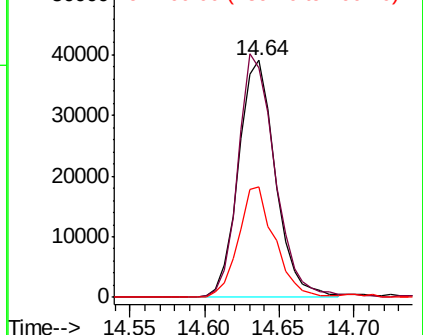
160 46.7 35.4 53.0



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: 124.939 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036205.D

Acq: 8 Aug 2018 19:52

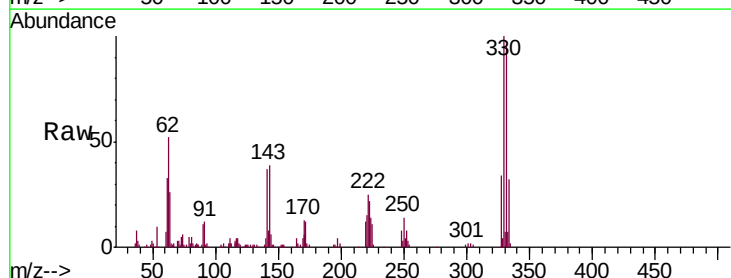
Tgt Ion:330 Resp: 110836

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

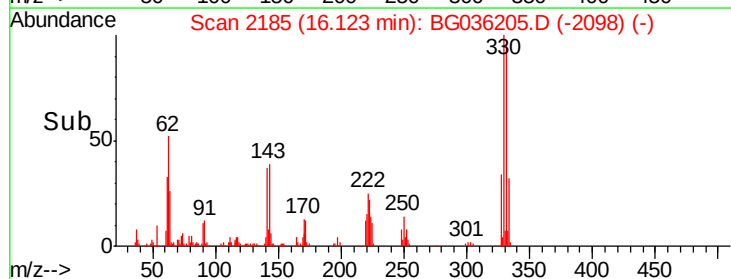
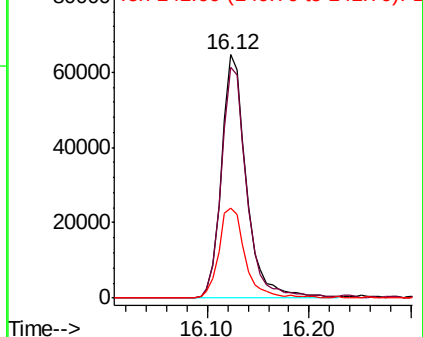
141 39.1 25.2 37.8#

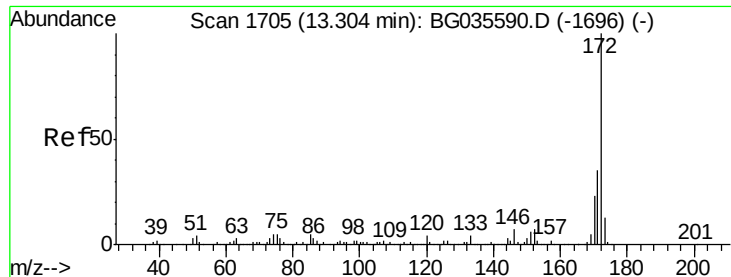


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

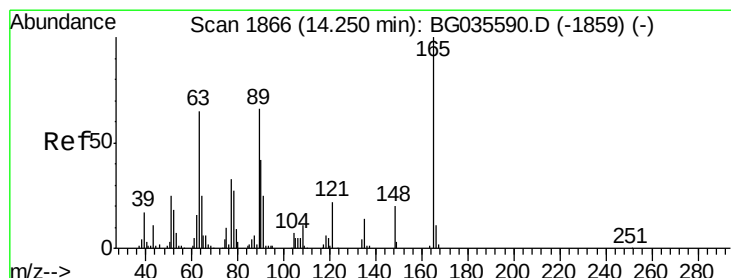
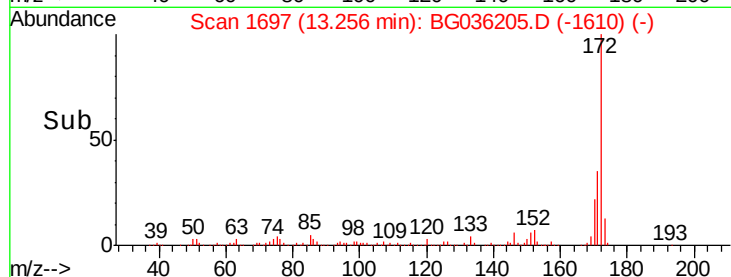
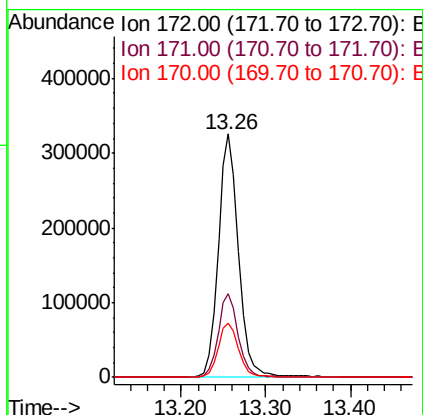
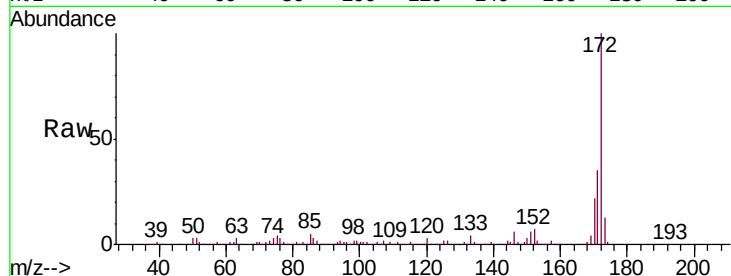




#44
 2-Fluorobiphenyl
 Concen: 107.984 ng
 RT: 13.26 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: BG036205.D
 Acq: 8 Aug 2018 19:52

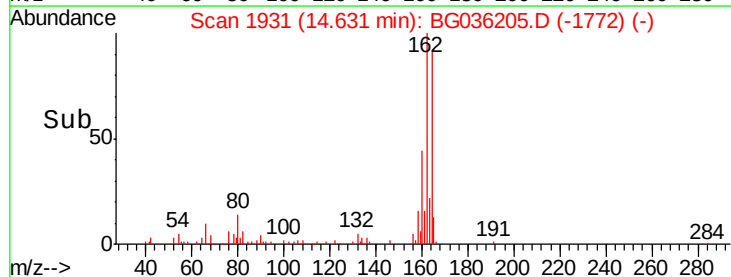
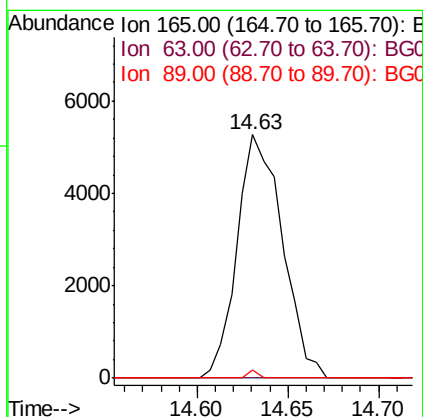
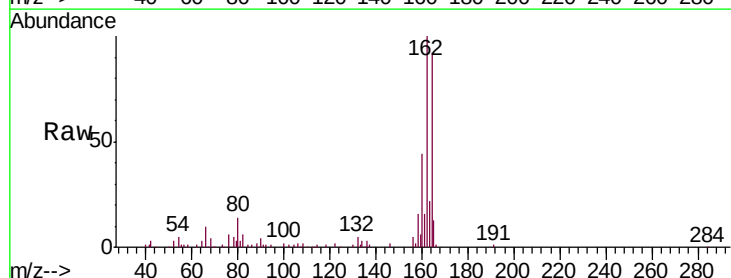
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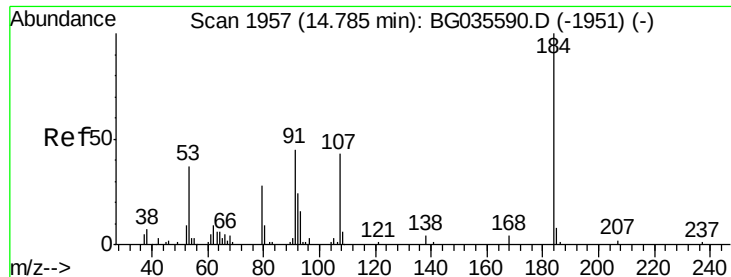
Tgt Ion:172 Resp: 542483
 Ion Ratio Lower Upper
 172 100
 171 34.5 30.0 45.0
 170 22.3 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.673 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. 0.40 min
 Lab File: BG036205.D
 Acq: 8 Aug 2018 19:52

Tgt Ion:165 Resp: 9214
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 3.3 49.2 73.8#

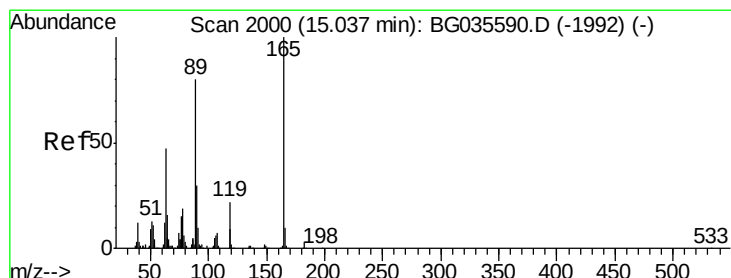
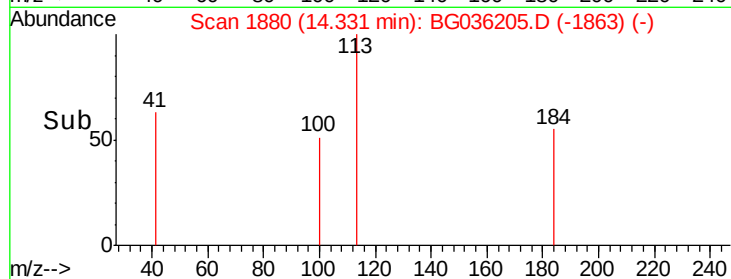
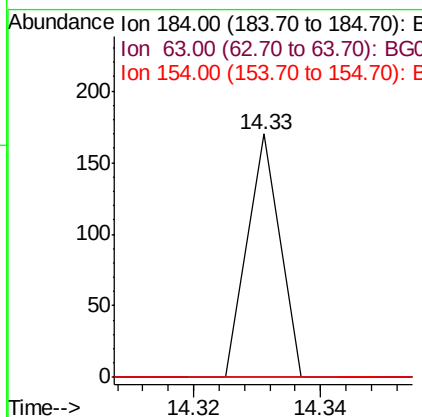
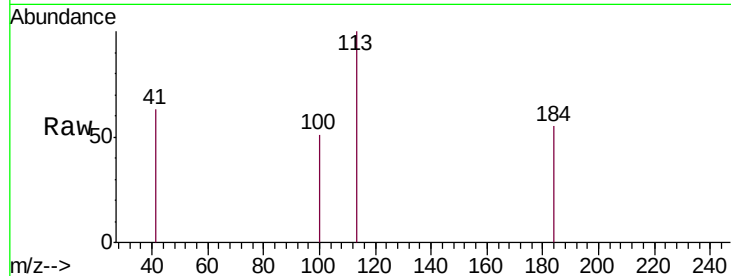




#53
 2,4-Dinitrophenol
 Concen: 6.671 ng
 RT: 14.33 min Scan# 1880
 Delta R.T. -0.43 min
 Lab File: BG036205.D
 Acq: 8 Aug 2018 19:52

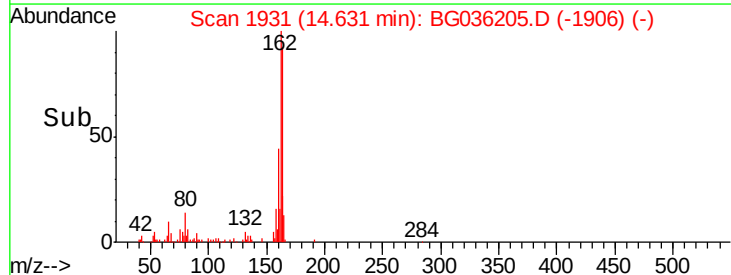
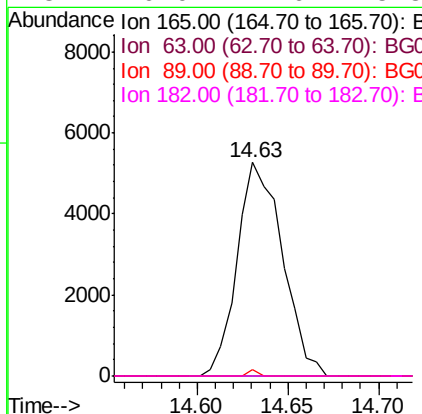
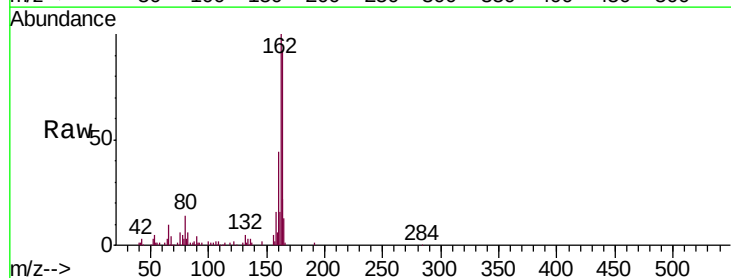
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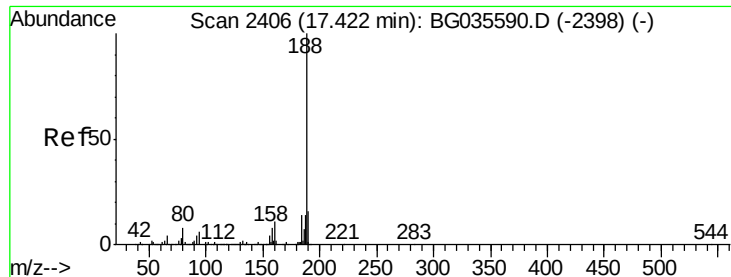
Tgt Ion:184 Resp: 60
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.348 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. -0.38 min
 Lab File: BG036205.D
 Acq: 8 Aug 2018 19:52

Tgt Ion:165 Resp: 9214
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 3.3 66.9 100.3#
 182 0.0 2.6 3.8#

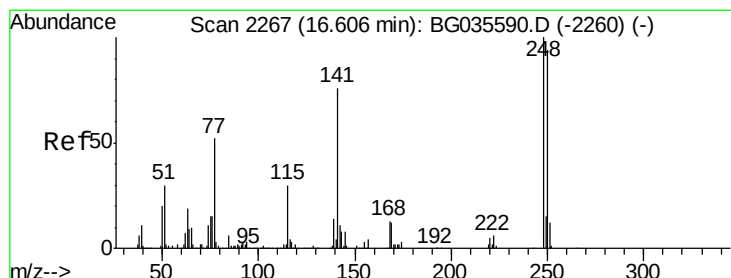
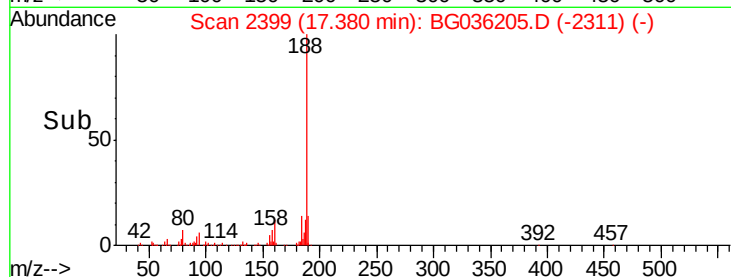
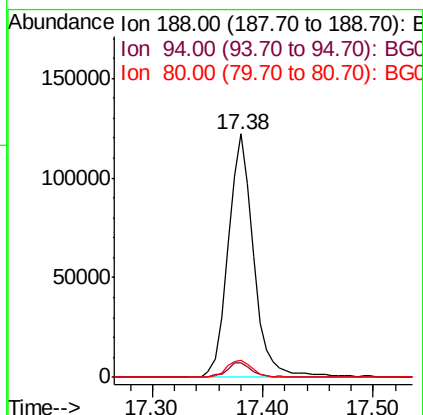
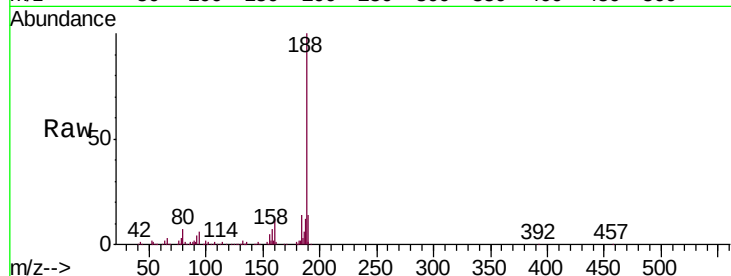




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2399
 Delta R.T. -0.01 min
 Lab File: BG036205.D
 Acq: 8 Aug 2018 19:52

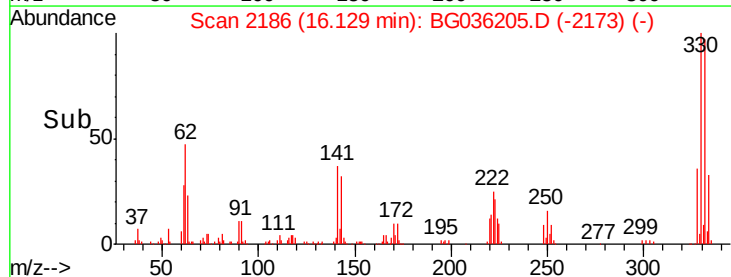
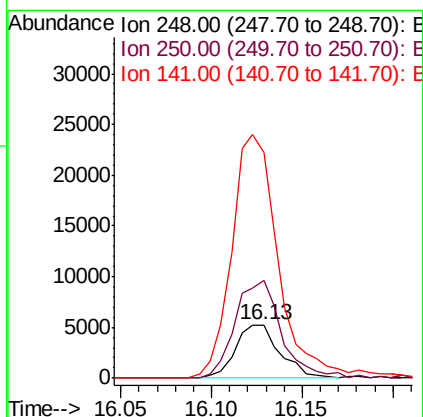
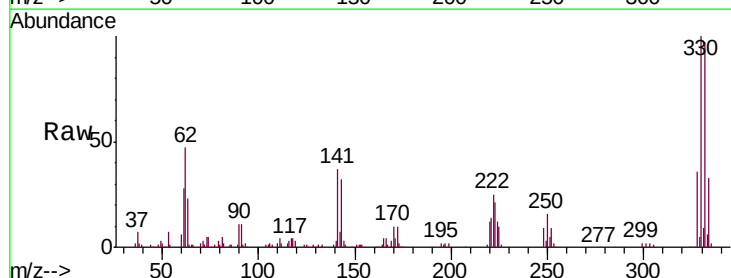
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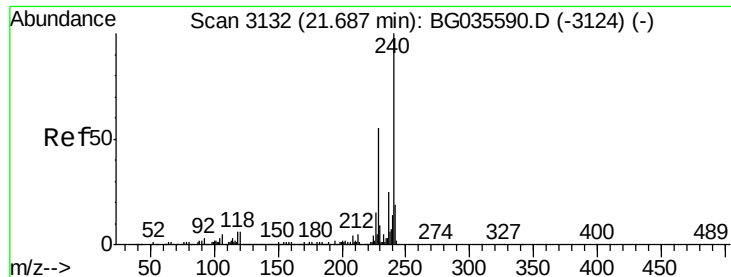
Tgt Ion:188 Resp: 196764
 Ion Ratio Lower Upper
 188 100
 94 5.8 6.9 10.3#
 80 7.2 7.7 11.5#



#66
 4-Bromophenyl-phenylether
 Concen: 3.940 ng
 RT: 16.13 min Scan# 2186
 Delta R.T. -0.45 min
 Lab File: BG036205.D
 Acq: 8 Aug 2018 19:52

Tgt Ion:248 Resp: 8994
 Ion Ratio Lower Upper
 248 100
 250 182.6 77.1 115.7#
 141 422.0 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036205.D

Acq: 8 Aug 2018 19:52

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

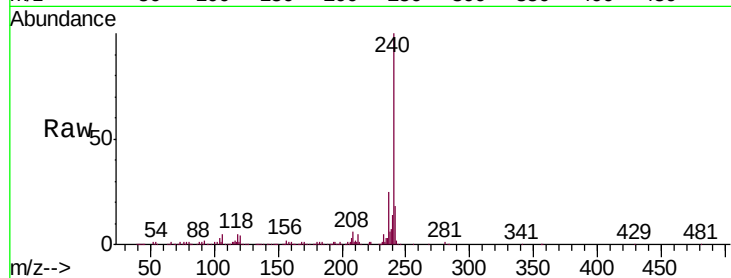
Tgt Ion:240 Resp: 220410

Ion Ratio Lower Upper

240 100

120 4.2 6.8 10.2#

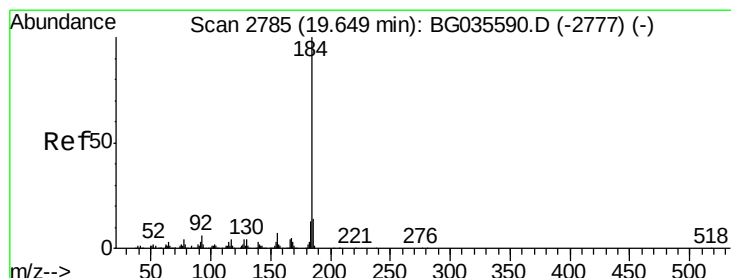
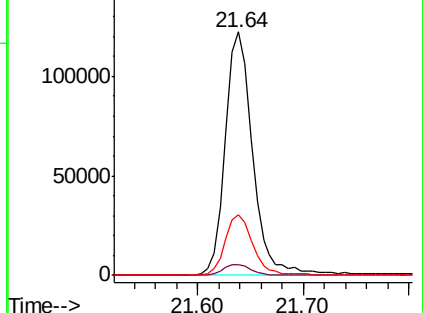
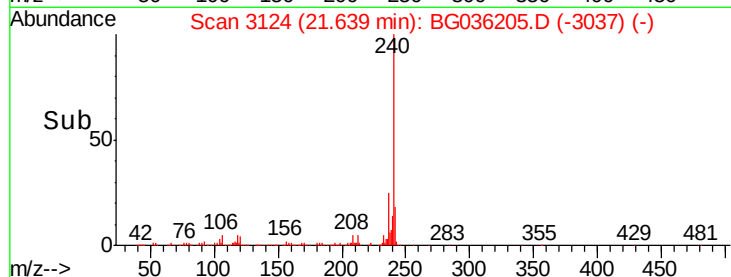
236 25.0 20.9 31.3



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: 3.078 ng

RT: 19.98 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036205.D

Acq: 8 Aug 2018 19:52

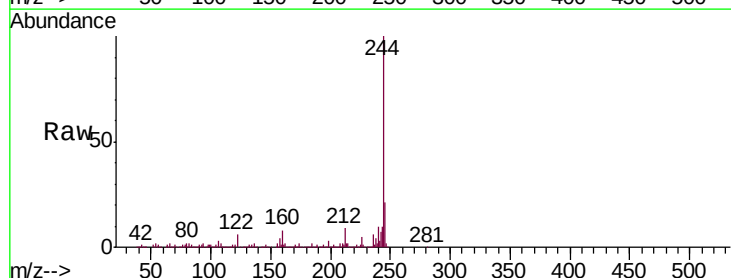
Tgt Ion:184 Resp: 17836

Ion Ratio Lower Upper

184 100

185 19.2 11.1 16.7#

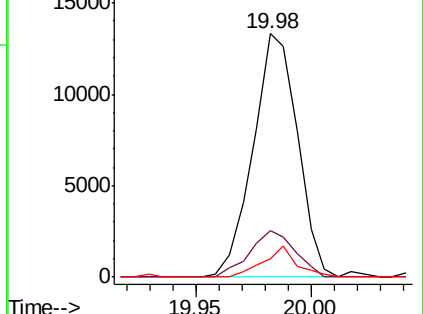
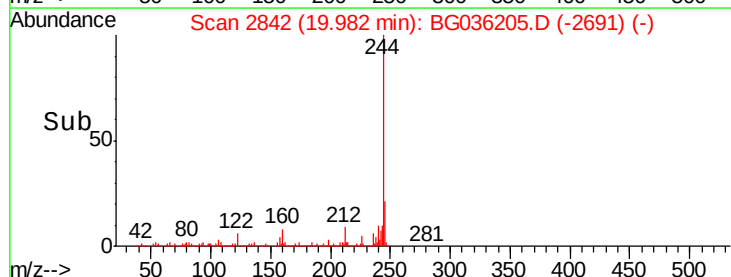
183 7.8 10.6 16.0#

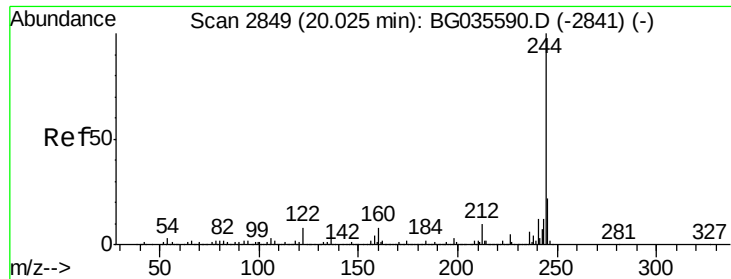


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 101.001 ng

RT: 19.98 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036205.D

Acq: 8 Aug 2018 19:52

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

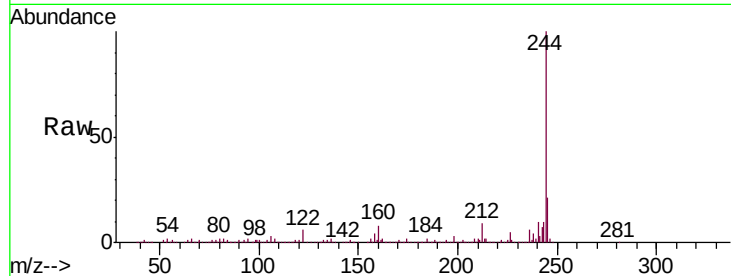
Tgt Ion:244 Resp: 1009920

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

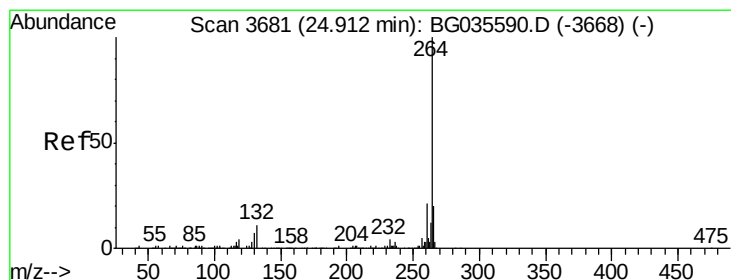
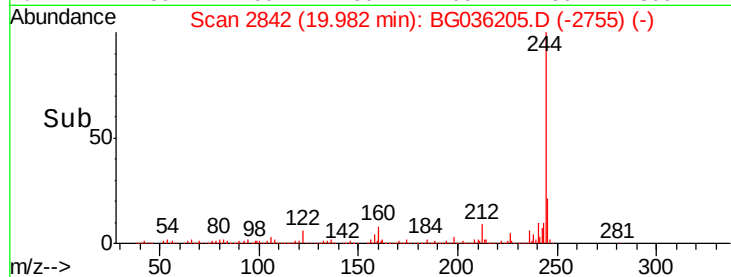
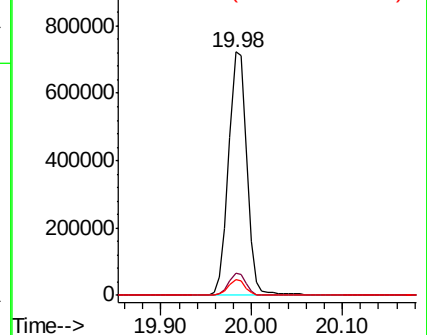
122 6.4 7.0 10.4#



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: BG036205.D

Acq: 8 Aug 2018 19:52

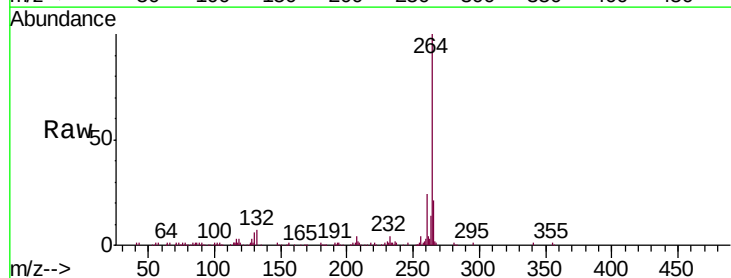
Tgt Ion:264 Resp: 211030

Ion Ratio Lower Upper

264 100

260 24.5 17.4 26.0

265 20.6 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

