

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041916\
 Data File : BG021741.D
 Acq On : 18 Apr 2016 16:59
 Operator : UM/SJ
 Sample : H1824-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2016-01

Quant Time: Apr 19 03:36:04 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

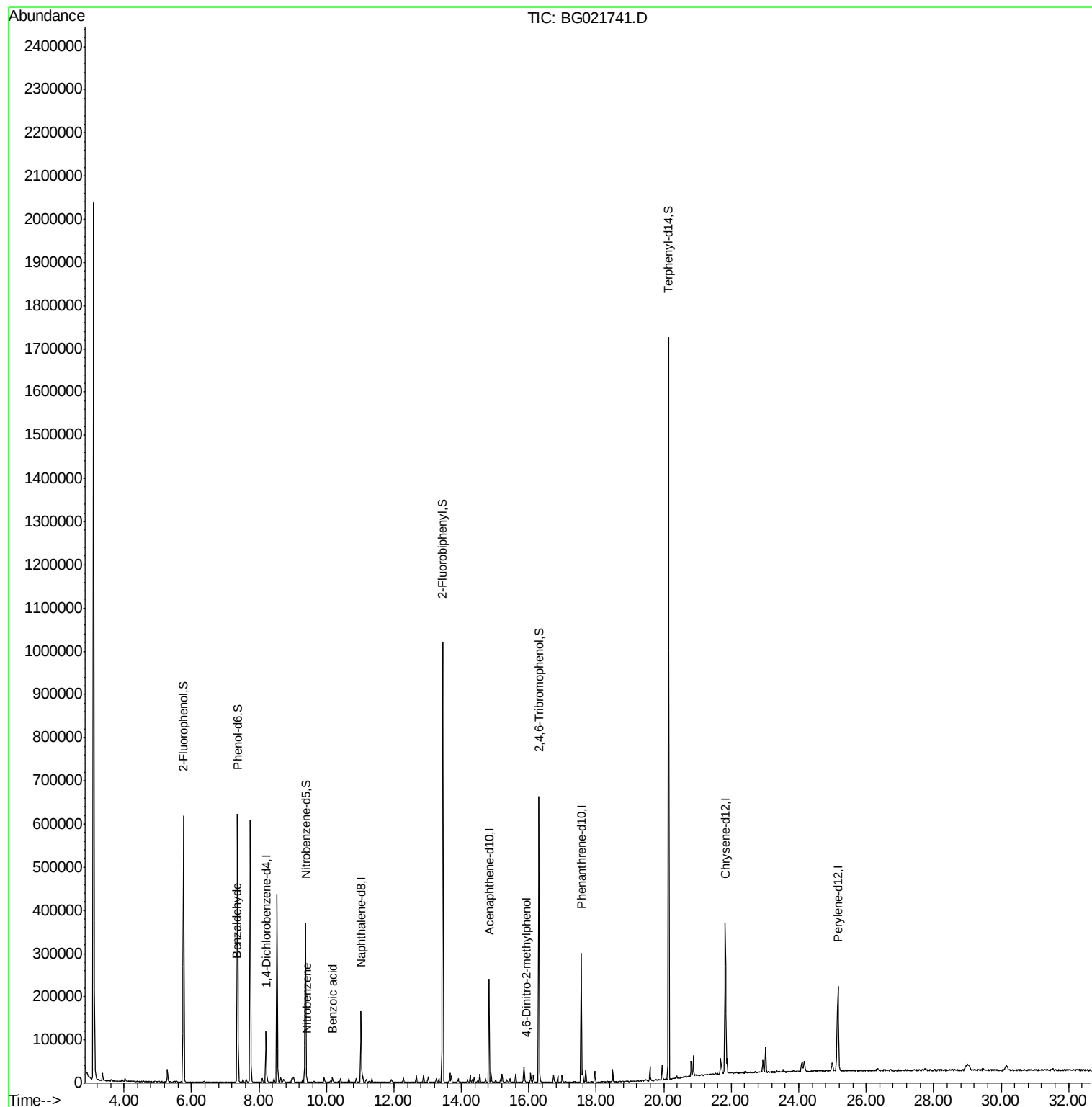
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	33416	20.00	ng	-0.01
21) Naphthalene-d8	11.03	136	140876	20.00	ng	-0.01
38) Acenaphthene-d10	14.81	164	84854	20.00	ng	-0.01
63) Phenanthrene-d10	17.55	188	181870	20.00	ng	-0.01
75) Chrysene-d12	21.82	240	220781	20.00	ng	-0.01
86) Perylene-d12	25.16	264	213285	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	277103	138.09	ng	0.00
7) Phenol-d6	7.36	99	385764	128.70	ng	0.00
23) Nitrobenzene-d5	9.38	82	231200	84.35	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	126072	137.86	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	525147	90.68	ng	-0.01
78) Terphenyl-d14	20.14	244	769610	86.98	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.34	77	4099	2.36	ng	Qvalue 96
24) Nitrobenzene	9.42	77	6033	2.06	ng	# 90
32) Benzoic acid	10.19	122	3807	7.26	ng	# 10
64) 4,6-Dinitro-2-methylphenol	15.93	198	416	5.89	ng	# 58

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

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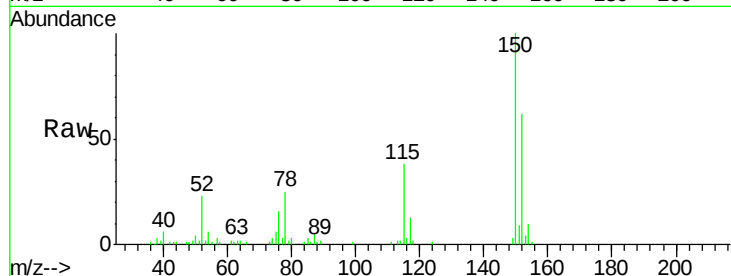


#1

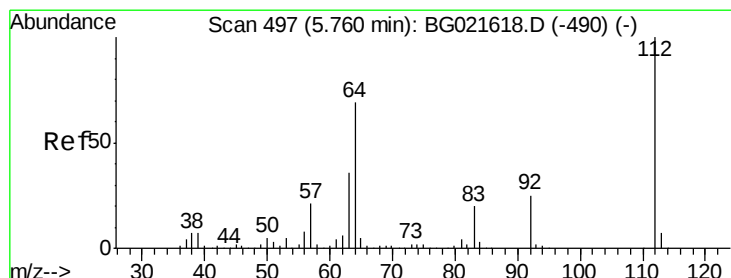
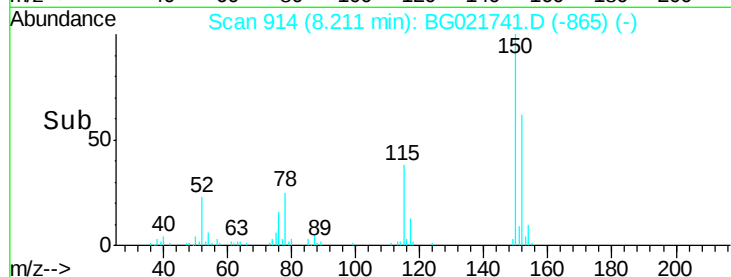
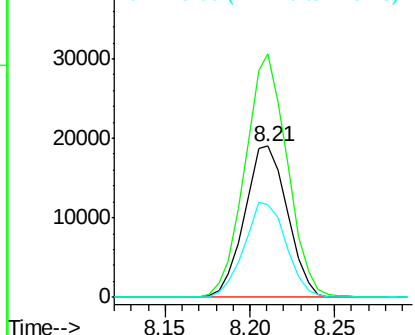
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 914
Delta R.T. -0.01 min
Lab File: BG021741.D
Acq: 18 Apr 2016 16:59

Instrument :
BNA_G
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LOD-WATER2016-01

Tgt Ion:152 Resp: 33416
Ion Ratio Lower Upper
152 100
150 161.2 130.1 195.1
115 61.6 62.2 93.2#



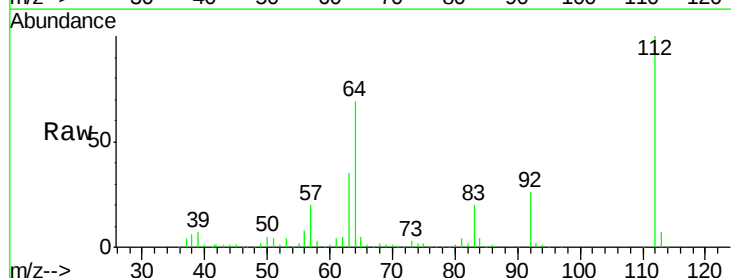
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



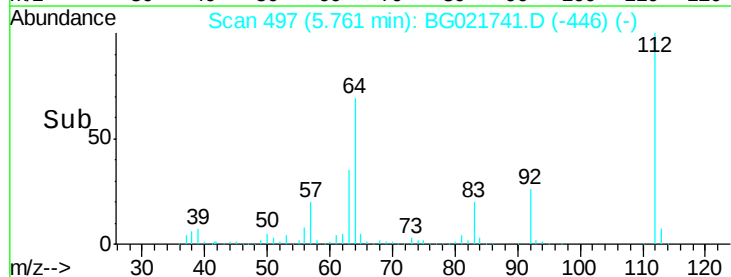
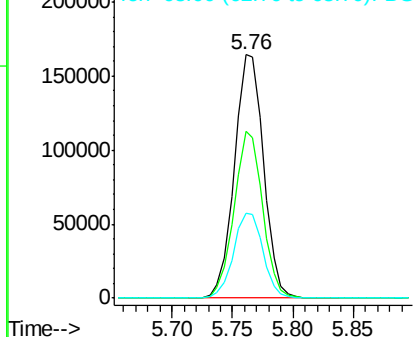
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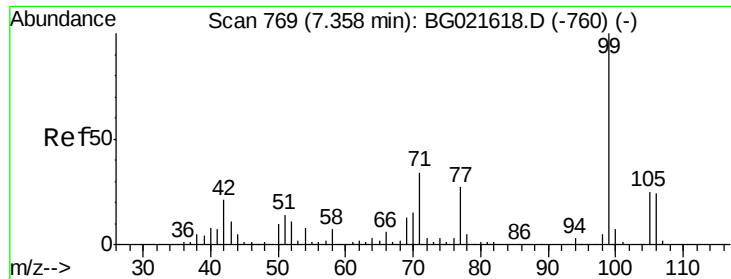
2-Fluorophenol
Concen: 138.09 ng
RT: 5.76 min Scan# 497
Delta R.T. 0.00 min
Lab File: BG021741.D
Acq: 18 Apr 2016 16:59

Tgt Ion:112 Resp: 277103
Ion Ratio Lower Upper
112 100
64 68.5 51.1 76.7
63 34.8 24.6 37.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 128.70 ng

RT: 7.36 min Scan# 770

Delta R.T. 0.01 min

Lab File: BG021741.D

Acq: 18 Apr 2016 16:59

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

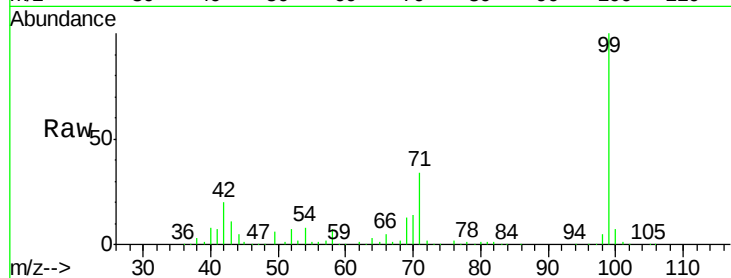
Tgt Ion: 99 Resp: 385764

Ion Ratio Lower Upper

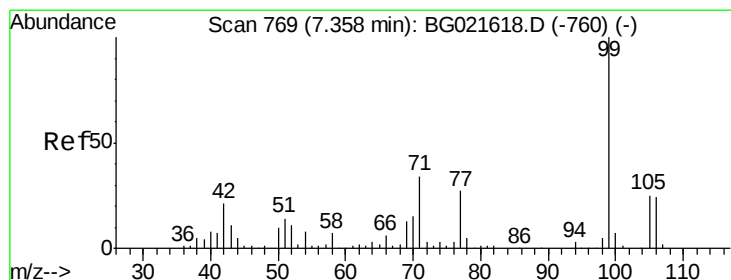
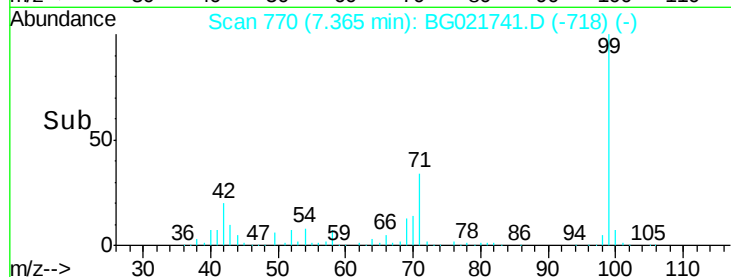
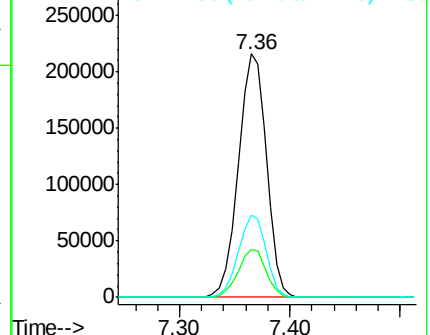
99 100

42 19.6 16.4 24.6

71 33.8 25.0 37.4



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



#9

Benzaldehyde

Concen: 2.36 ng

RT: 7.34 min Scan# 766

Delta R.T. -0.02 min

Lab File: BG021741.D

Acq: 18 Apr 2016 16:59

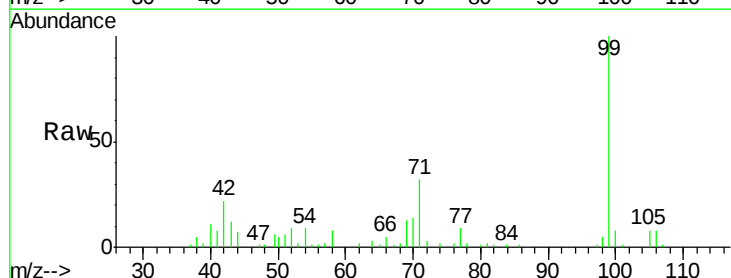
Tgt Ion: 77 Resp: 4099

Ion Ratio Lower Upper

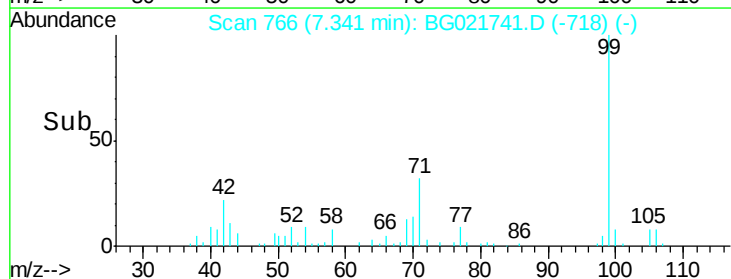
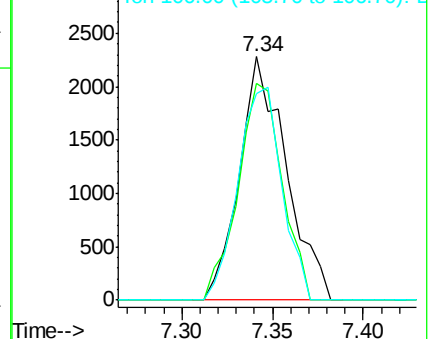
77 100

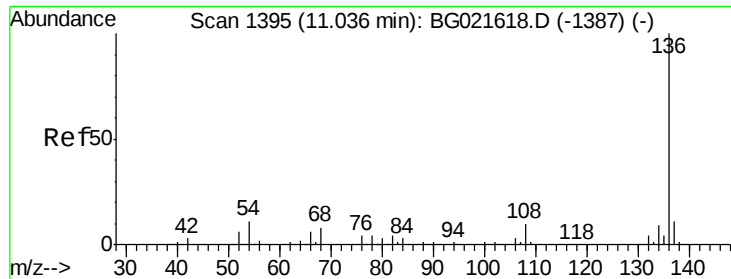
105 89.0 62.1 102.1

106 84.7 65.6 105.6



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

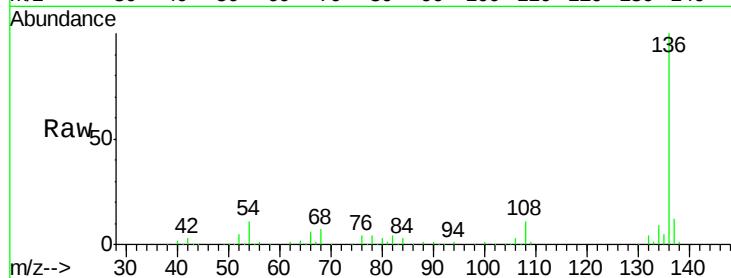




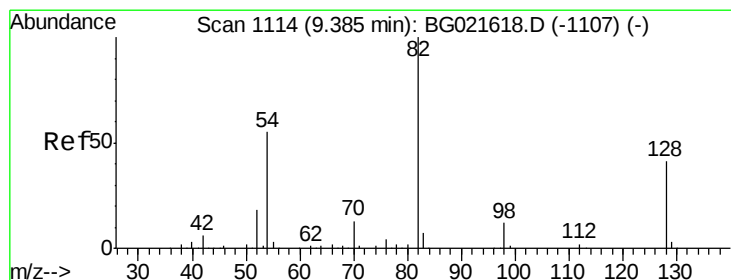
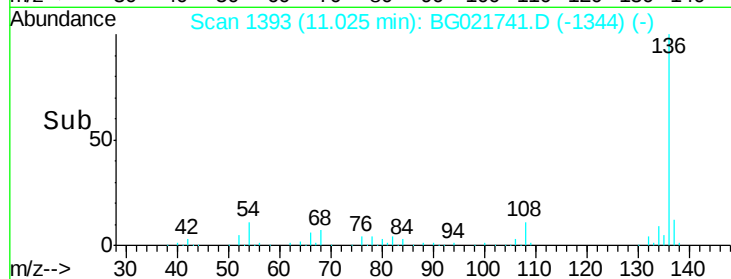
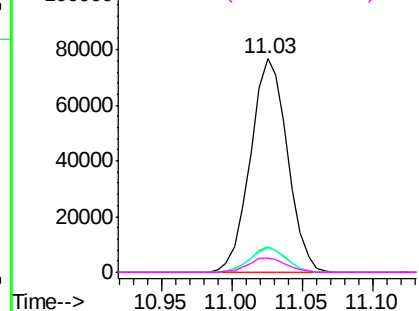
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.03 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BG021741.D
Acq: 18 Apr 2016 16:59

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LOD-WATER2016-01

Tgt Ion:	136	Resp:	140876
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.0	13.4
54	11.4	9.6	14.4
68	6.7	6.4	9.6

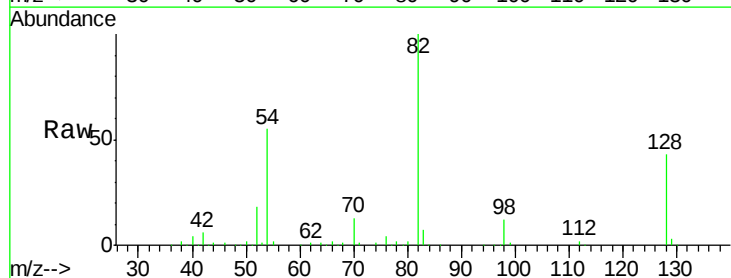


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

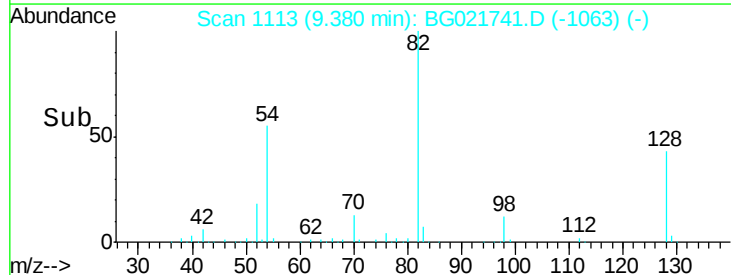
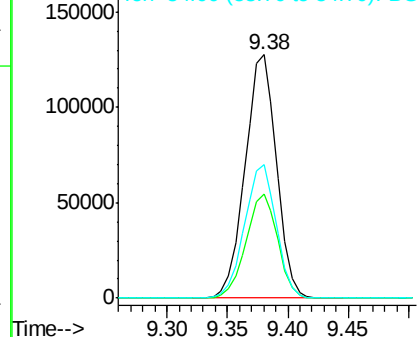


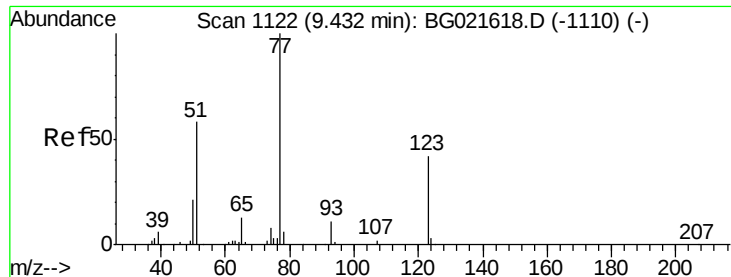
#23
Nitrobenzene-d5
Concen: 84.35 ng
RT: 9.38 min Scan# 1113
Delta R.T. -0.00 min
Lab File: BG021741.D
Acq: 18 Apr 2016 16:59

Tgt Ion:	82	Resp:	231200
Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.4	50.0
54	54.6	46.1	69.1



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

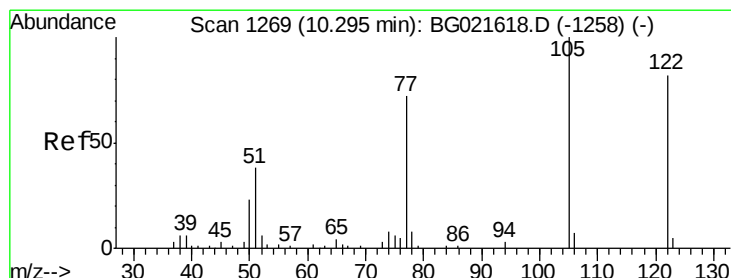
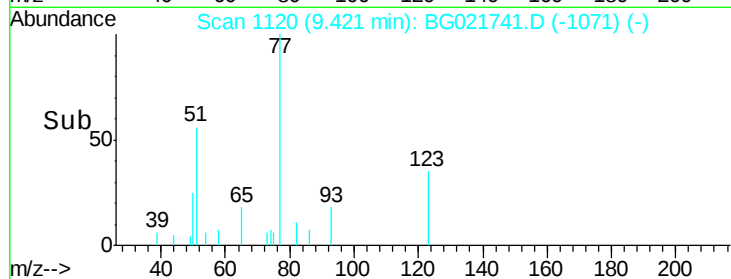
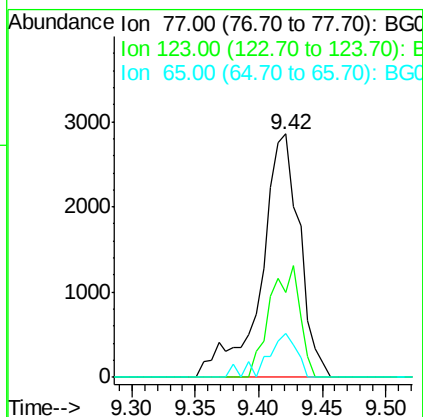
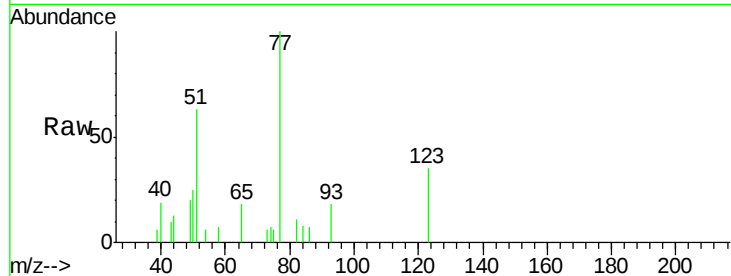




#24
Nitrobenzene
Concen: 2.06 ng
RT: 9.42 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BG021741.D
Acq: 18 Apr 2016 16:59

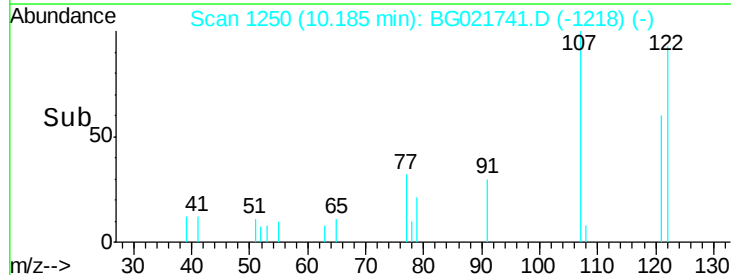
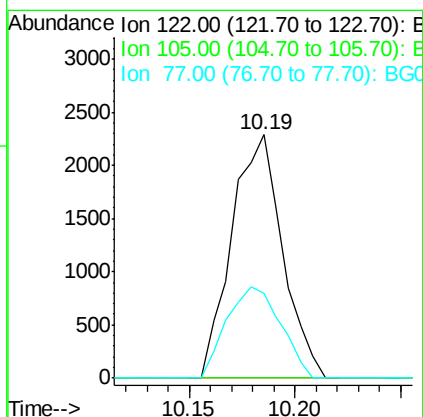
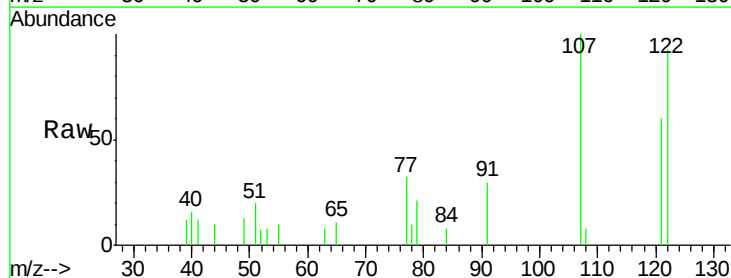
Instrument :
BNA_G
ClientSampleId :
LOD-WATER2016-01

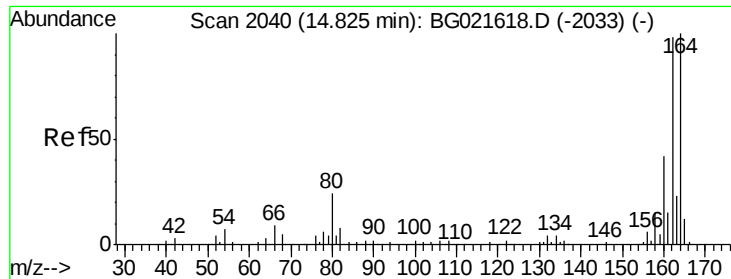
Tgt Ion	Ratio	Lower	Upper
77	100		
123	34.7	32.2	48.4
65	18.1	10.3	15.5#



#32
Benzoic acid
Concen: 7.26 ng
RT: 10.19 min Scan# 1250
Delta R.T. -0.11 min
Lab File: BG021741.D
Acq: 18 Apr 2016 16:59

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	104.5	144.5#
77	34.9	79.9	119.9#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.81 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BG021741.D

Acq: 18 Apr 2016 16:59

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

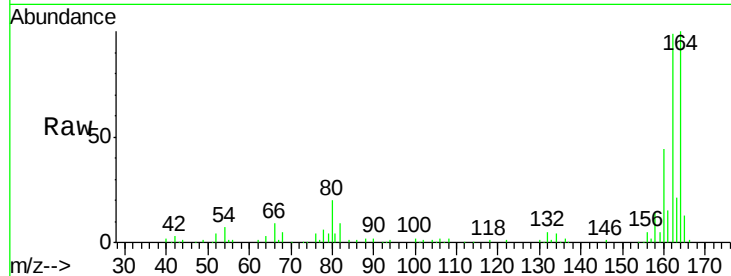
Tgt Ion:164 Resp: 84854

Ion Ratio Lower Upper

164 100

162 99.5 78.0 117.0

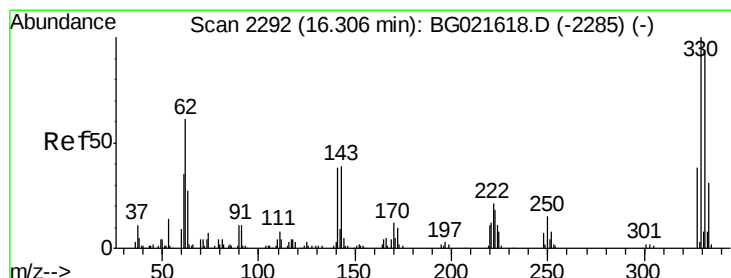
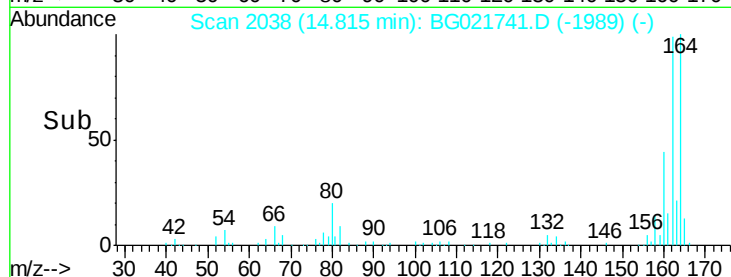
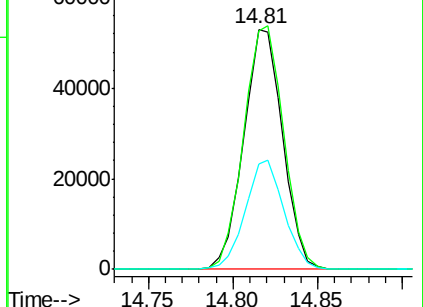
160 43.8 32.9 49.3



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: 137.86 ng

RT: 16.30 min Scan# 2291

Delta R.T. -0.00 min

Lab File: BG021741.D

Acq: 18 Apr 2016 16:59

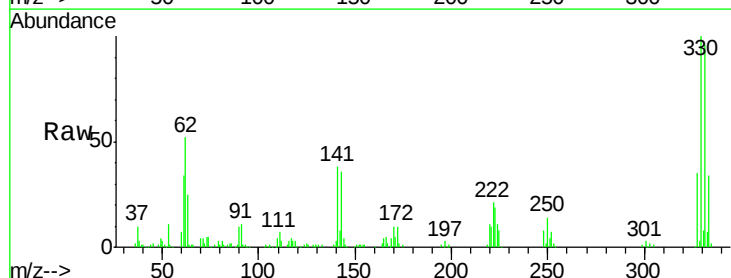
Tgt Ion:330 Resp: 126072

Ion Ratio Lower Upper

330 100

332 96.7 78.0 117.0

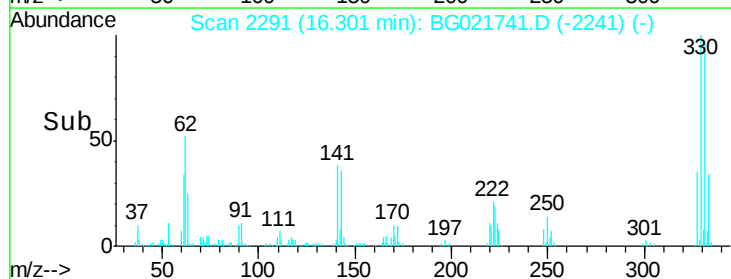
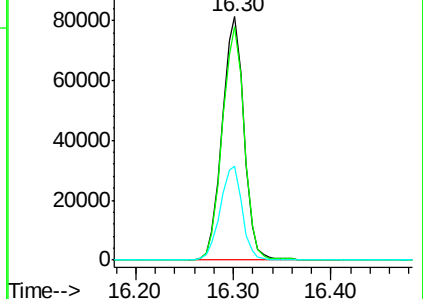
141 38.6 33.8 50.8

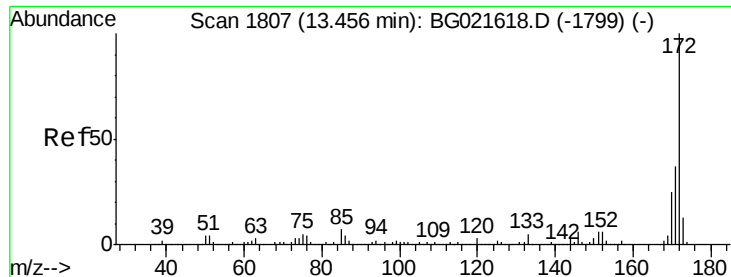


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

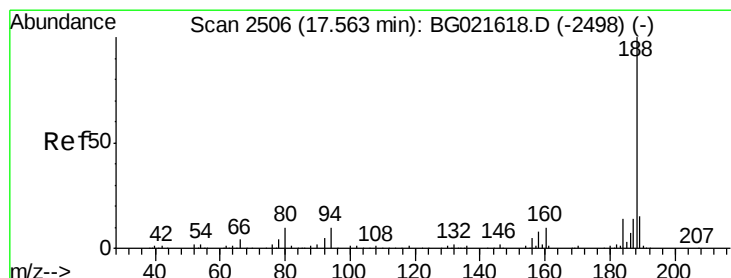
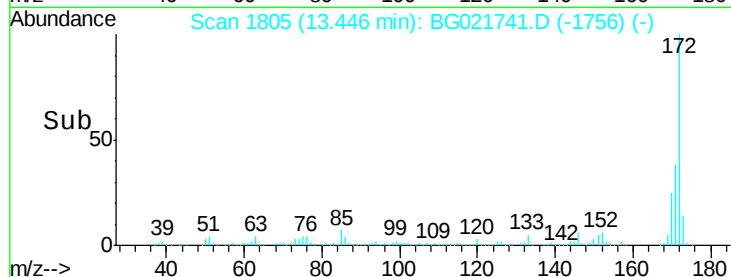
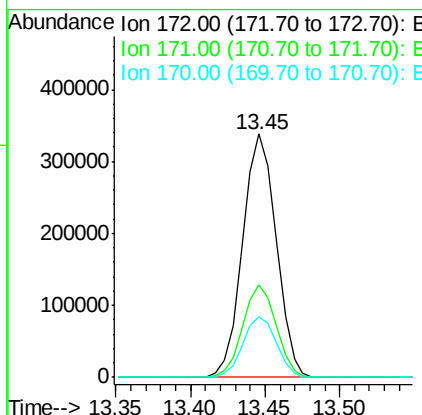
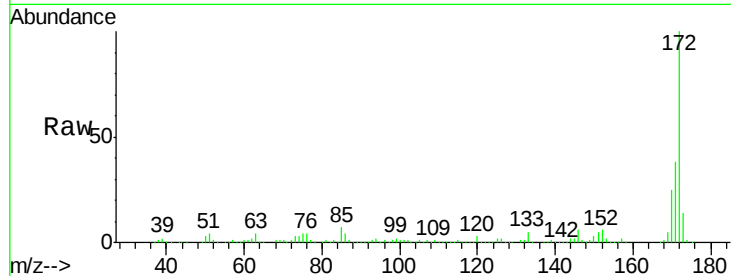




#44
2-Fluorobiphenyl
Concen: 90.68 ng
RT: 13.45 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BG021741.D
Acq: 18 Apr 2016 16:59

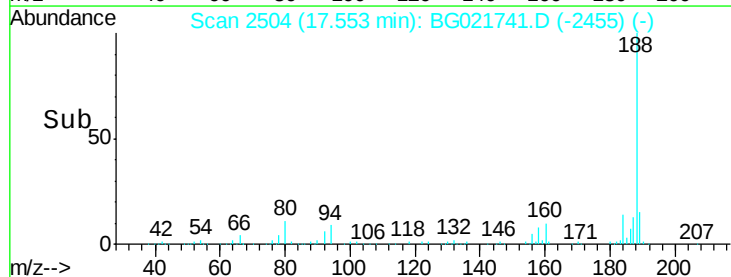
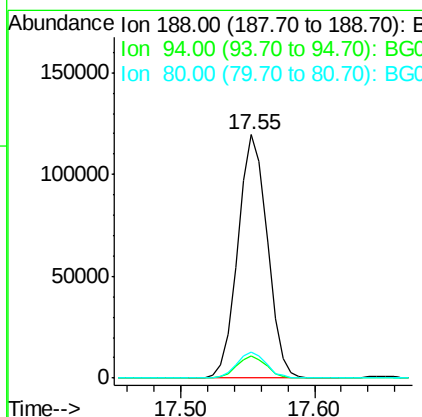
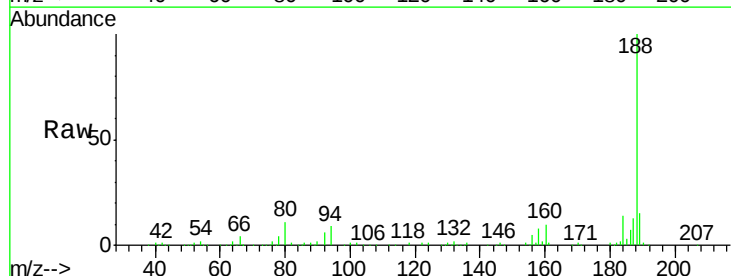
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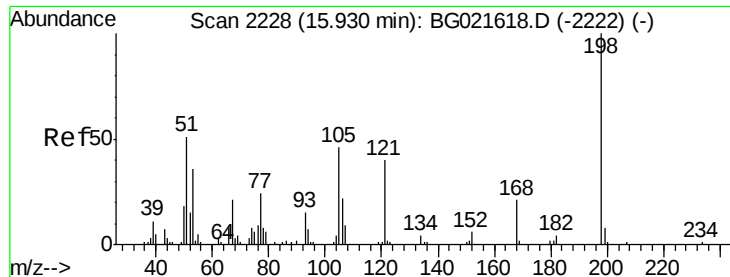
Tgt Ion:172 Resp: 525147
Ion Ratio Lower Upper
172 100
171 37.9 27.8 41.6
170 25.0 19.6 29.4



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.55 min Scan# 2504
Delta R.T. -0.01 min
Lab File: BG021741.D
Acq: 18 Apr 2016 16:59

Tgt Ion:188 Resp: 181870
Ion Ratio Lower Upper
188 100
94 9.3 7.5 11.3
80 10.8 8.6 13.0

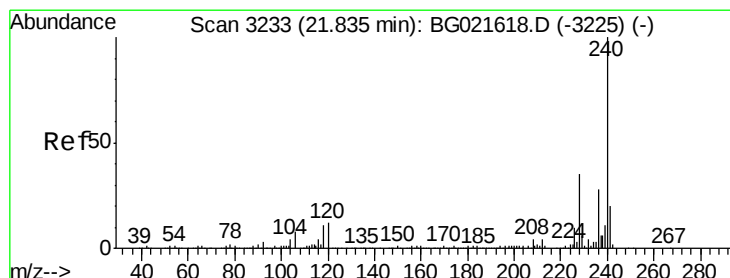
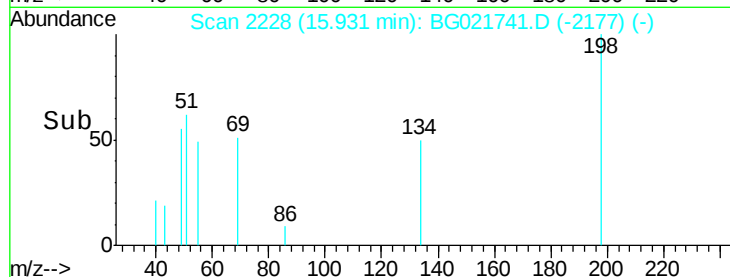
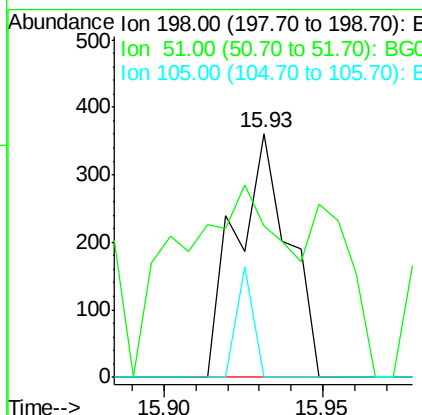
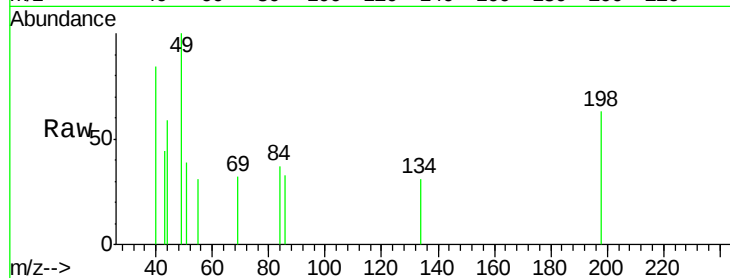




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.89 ng
 RT: 15.93 min Scan# 2228
 Delta R.T. 0.00 min
 Lab File: BG021741.D
 Acq: 18 Apr 2016 16:59

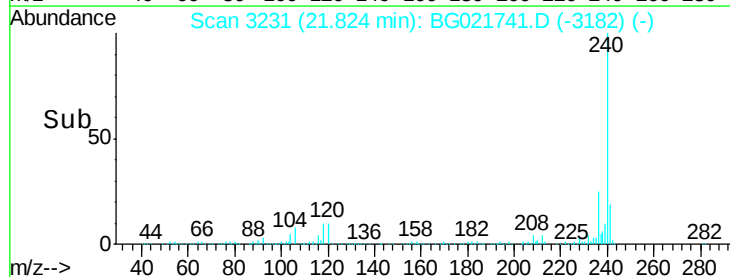
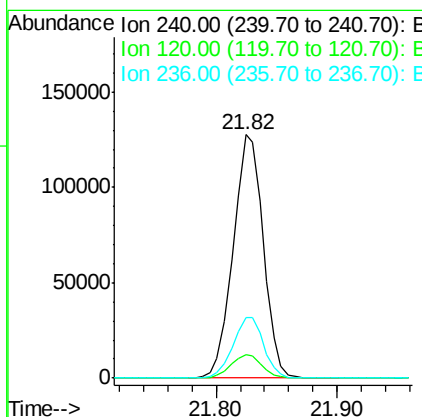
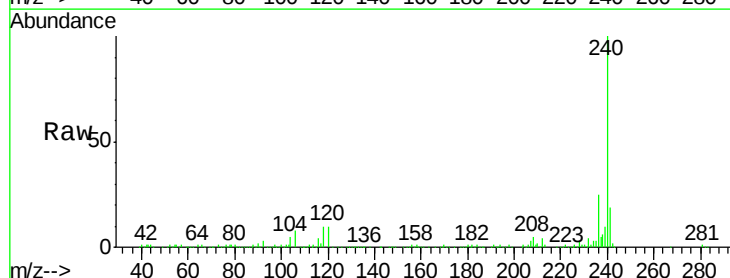
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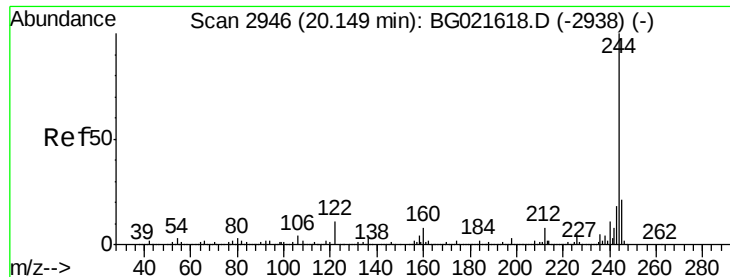
Tgt Ion:198 Resp: 416
 Ion Ratio Lower Upper
 198 100
 51 62.3 29.2 69.2
 105 0.0 24.0 64.0#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.82 min Scan# 3231
 Delta R.T. -0.01 min
 Lab File: BG021741.D
 Acq: 18 Apr 2016 16:59

Tgt Ion:240 Resp: 220781
 Ion Ratio Lower Upper
 240 100
 120 9.9 8.4 12.6
 236 25.1 19.6 29.4





#78

Terphenyl-d14

Concen: 86.98 ng

RT: 20.14 min Scan# 2944

Delta R.T. -0.01 min

Lab File: BG021741.D

Acq: 18 Apr 2016 16:59

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

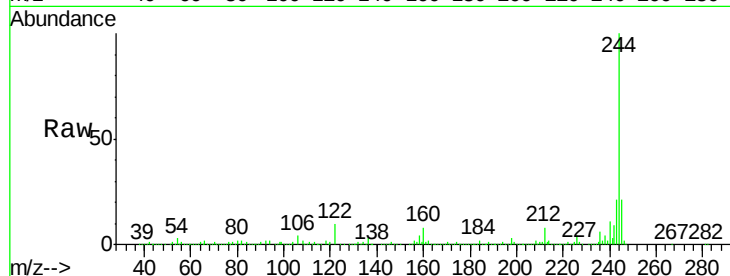
Tgt Ion:244 Resp: 769610

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

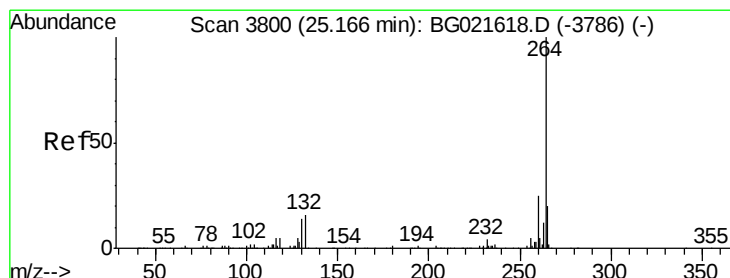
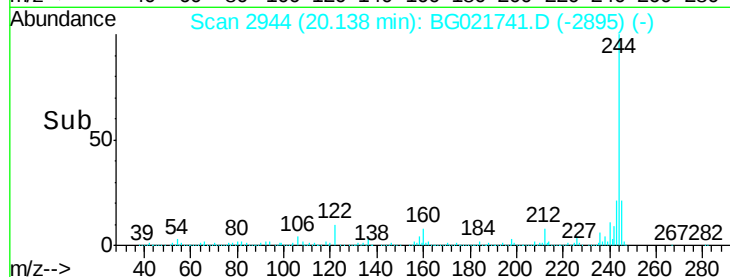
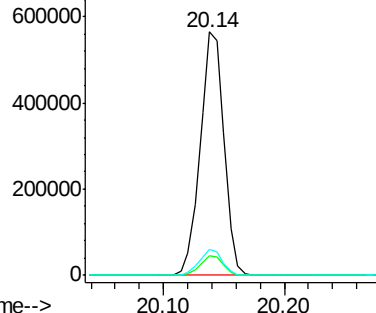
122 10.5 8.6 12.8



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: 25.16 min Scan# 3799

Delta R.T. -0.00 min

Lab File: BG021741.D

Acq: 18 Apr 2016 16:59

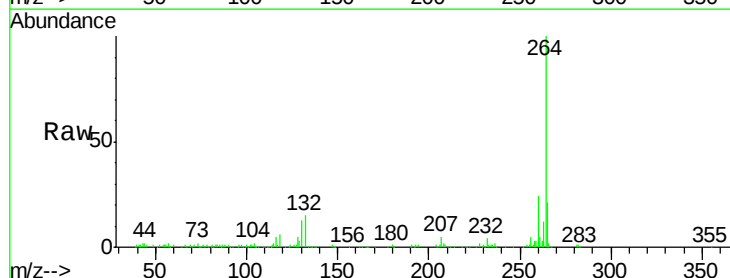
Tgt Ion:264 Resp: 213285

Ion Ratio Lower Upper

264 100

260 23.6 20.2 30.4

265 20.7 17.8 26.8



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

