

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032615\
 Data File : BG016146.D
 Acq On : 26 Mar 2015 18:39
 Operator : TP/IZ
 Sample : G1614-05
 Misc : LOD-WATER-2PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2015-01

Quant Time: Mar 27 04:10:34 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG032515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 03:23:37 2015
 Response via : Initial Calibration

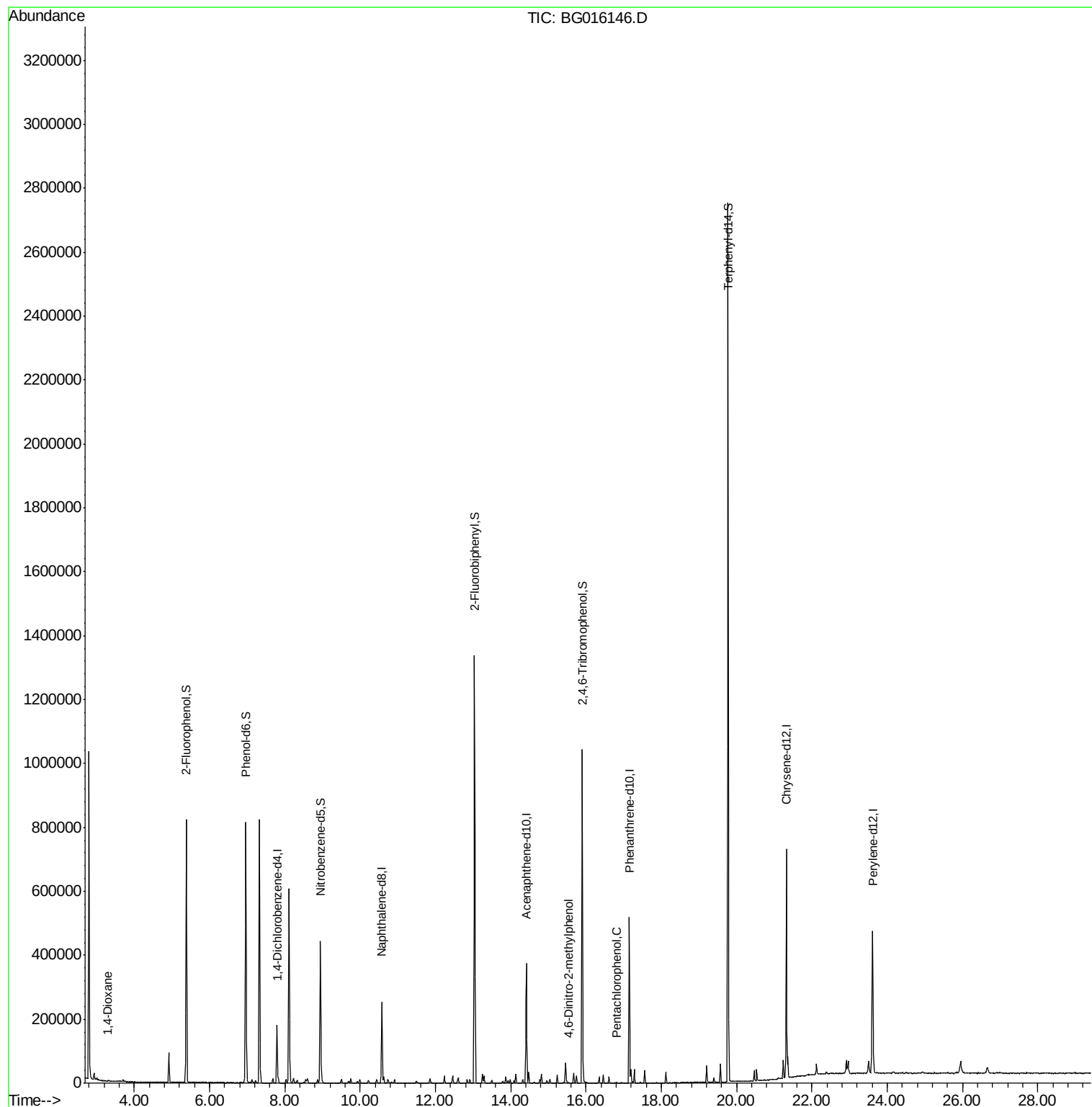
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	49850	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	211529	20.00	ng	0.00
38) Acenaphthene-d10	14.42	164	130424	20.00	ng	0.00
63) Phenanthrene-d10	17.15	188	301961	20.00	ng	0.00
75) Chrysene-d12	21.33	240	335429	20.00	ng	0.00
86) Perylene-d12	23.61	264	321534	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	396167	133.01	ng	0.00
7) Phenol-d6	6.96	99	531952	128.31	ng	0.00
23) Nitrobenzene-d5	8.94	82	270454	79.28	ng	0.00
41) 2,4,6-Tribromophenol	15.90	330	204749	136.71	ng	0.00
44) 2-Fluorobiphenyl	13.04	172	678918	87.13	ng	0.00
78) Terphenyl-d14	19.78	244	1121832	84.23	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.30	88	2424	2.02	ng	# 83
64) 4,6-Dinitro-2-methylphenol	15.53	198	550	0.27	ng	90
69) Pentachlorophenol	16.80	266	751	0.38	ng	# 78

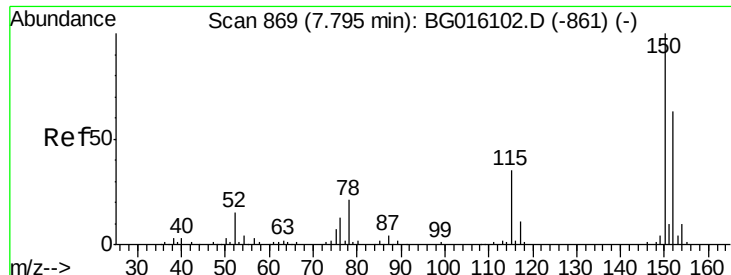
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 869

Delta R.T. 0.00 min

Lab File: BG016146.D

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ClientSampleId :

LOD-WATER2015-01

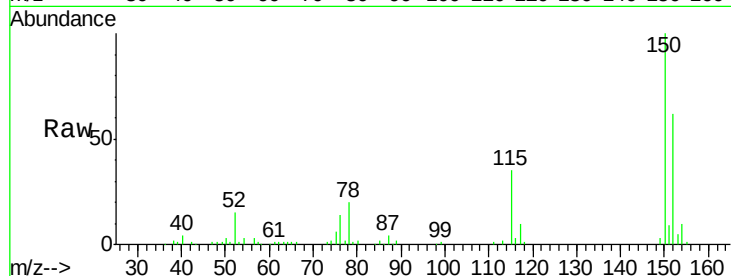
Tgt Ion:152 Resp: 49850

Ion Ratio Lower Upper

152 100

150 160.6 126.1 189.1

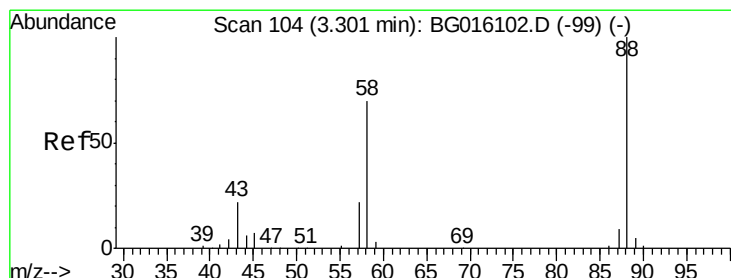
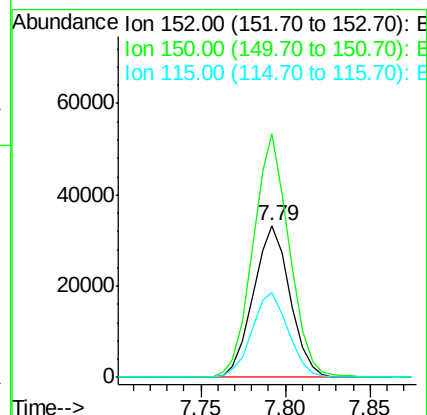
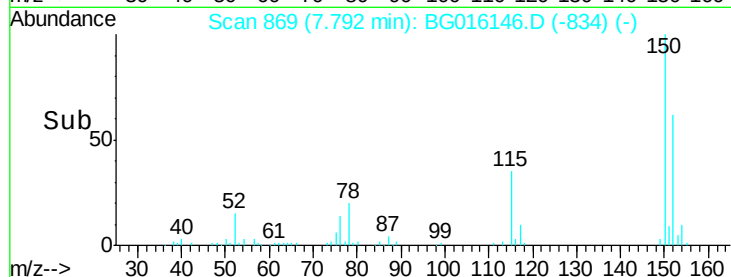
115 56.3 43.7 65.5



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



#2

1,4-Dioxane

Concen: 2.02 ng

RT: 3.30 min Scan# 105

Delta R.T. 0.01 min

Lab File: BG016146.D

Acq: 26 Mar 2015 18:39

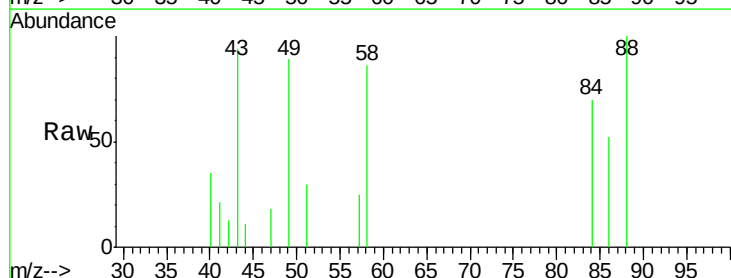
Tgt Ion: 88 Resp: 2424

Ion Ratio Lower Upper

88 100

58 59.4 54.2 81.4

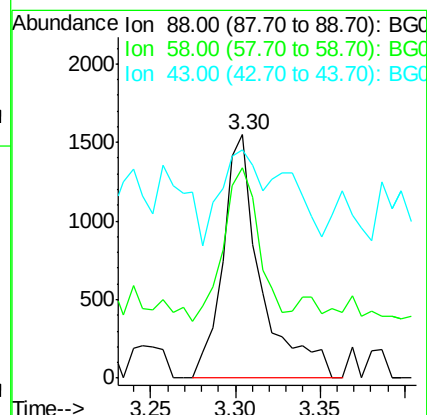
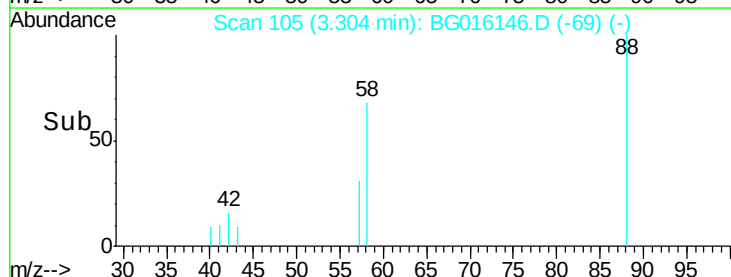
43 39.1 17.4 26.2#

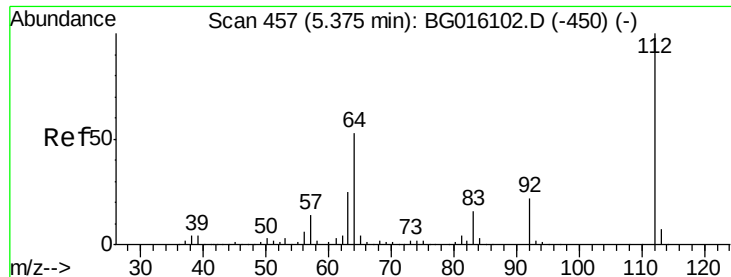


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 133.01 ng

RT: 5.38 min Scan# 459

Delta R.T. 0.01 min

Lab File: BG016146.D

Acq: 26 Mar 2015 18:39

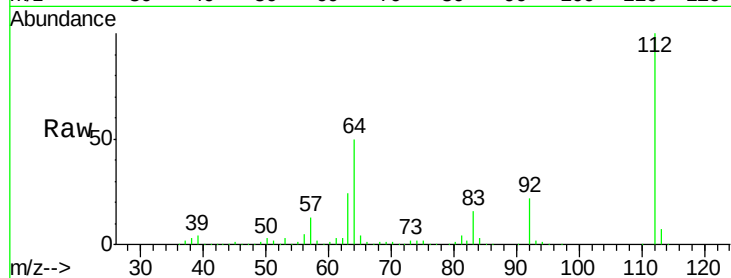
Instrument :

BNA_G

ClientSampleId :

LOD-WATER2015-01

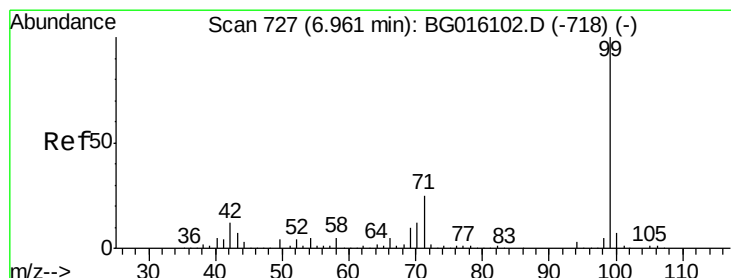
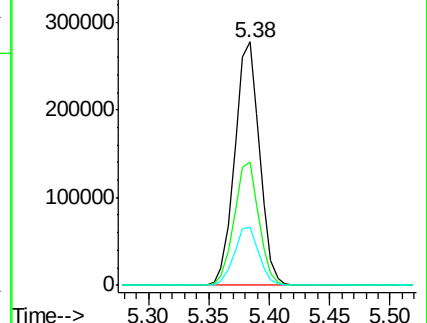
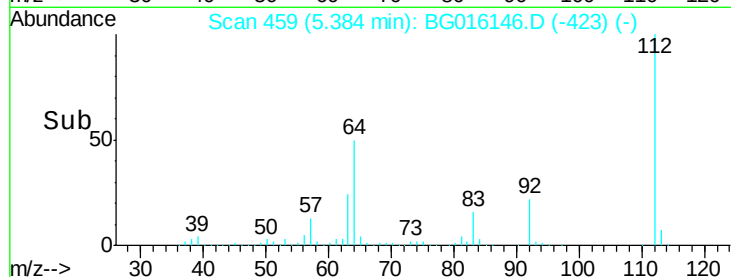
Tgt Ion:	112	Resp:	396167
Ion	Ratio	Lower	Upper
112	100		
64	50.4	42.6	64.0
63	23.9	19.9	29.9



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: 128.31 ng

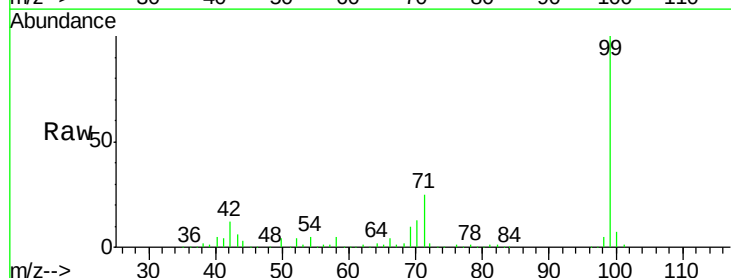
RT: 6.96 min Scan# 728

Delta R.T. 0.01 min

Lab File: BG016146.D

Acq: 26 Mar 2015 18:39

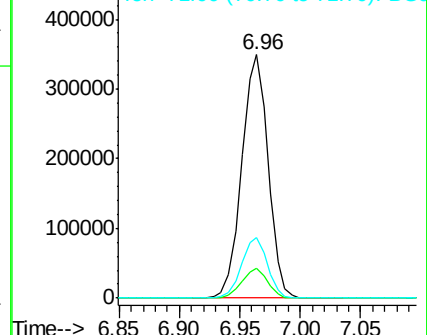
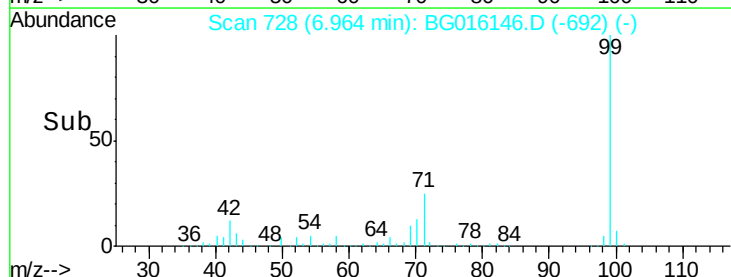
Tgt Ion:	99	Resp:	531952
Ion	Ratio	Lower	Upper
99	100		
42	12.0	9.4	14.0
71	25.1	19.9	29.9

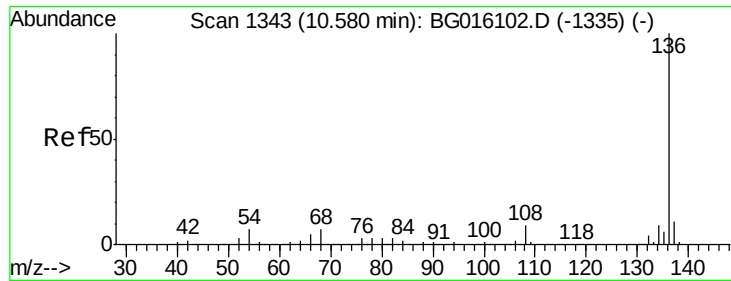


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

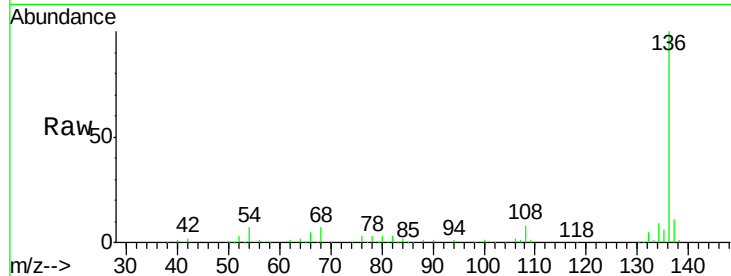




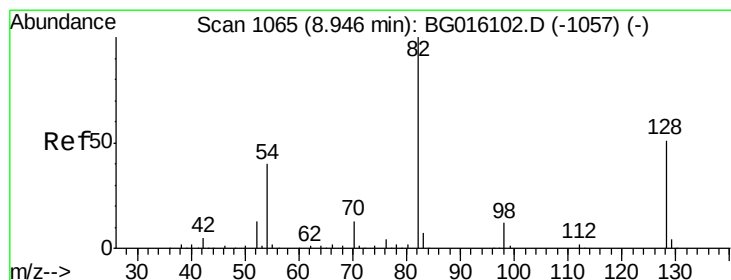
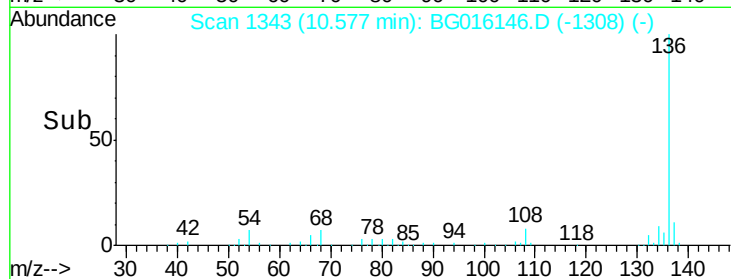
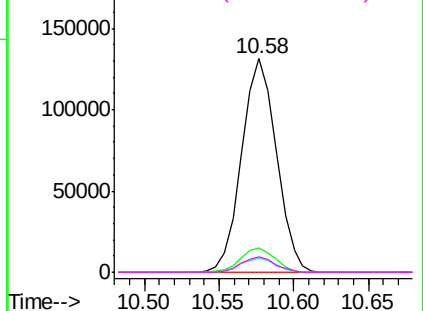
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.58 min Scan# 1343
Delta R.T. 0.00 min
Lab File: BG016146.D
Acq: 26 Mar 2015 18:39

Instrument :
BNA_G
ClientSampleId :
LOD-WATER2015-01

Tgt Ion:	136	Resp:	211529
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	6.7	5.5	8.3
68	7.0	6.0	9.0

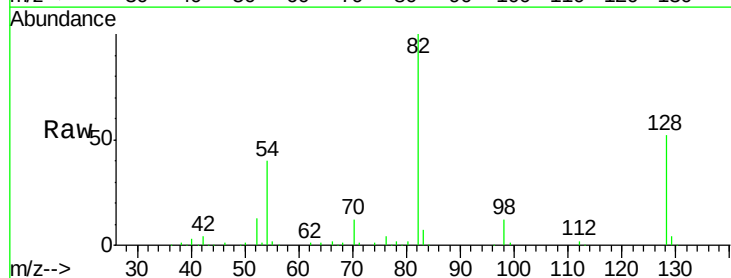


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

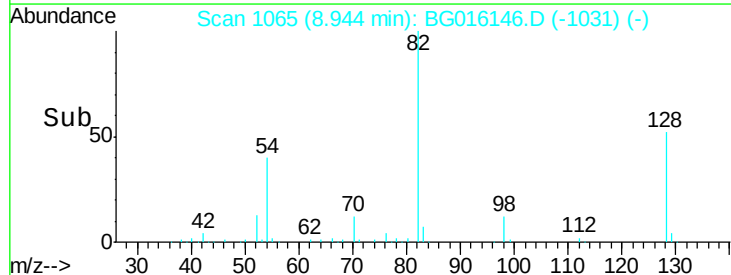
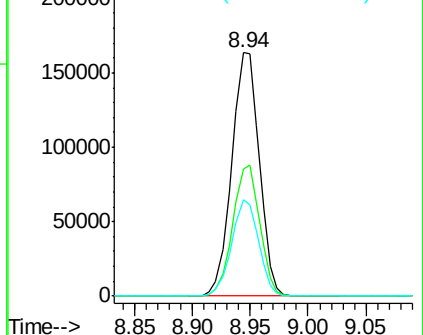


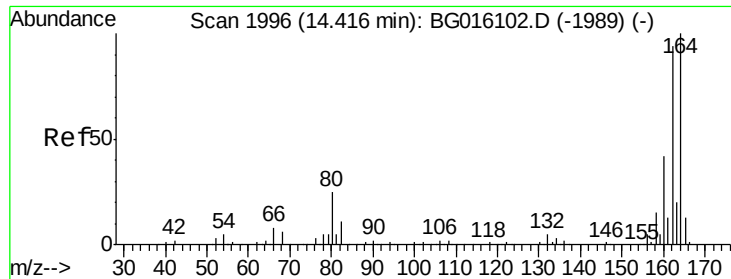
#23
Nitrobenzene-d5
Concen: 79.28 ng
RT: 8.94 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BG016146.D
Acq: 26 Mar 2015 18:39

Tgt Ion:	82	Resp:	270454
Ion	Ratio	Lower	Upper
82	100		
128	52.3	40.4	60.6
54	39.5	32.1	48.1



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.42 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BG016146.D

Acq: 26 Mar 2015 18:39

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2015-01

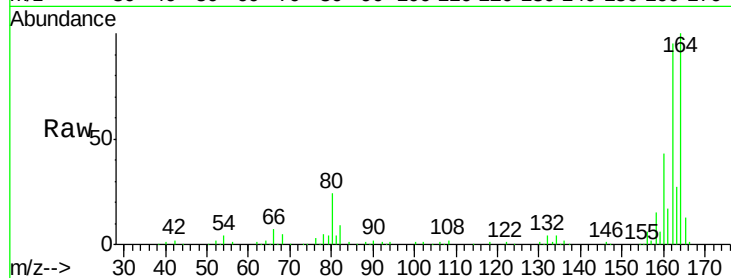
Tgt Ion:164 Resp: 130424

Ion Ratio Lower Upper

164 100

162 95.3 75.2 112.8

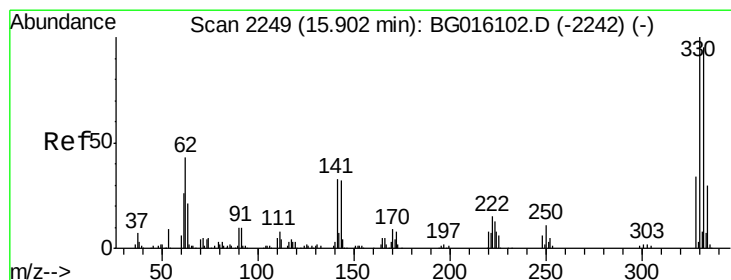
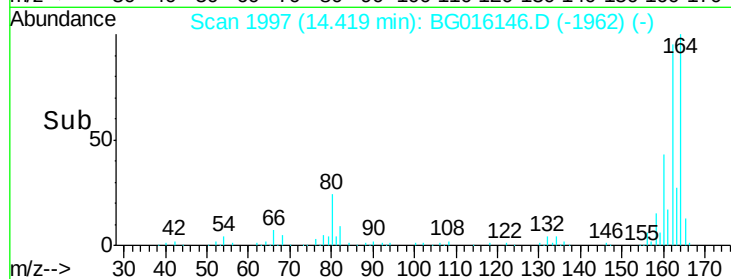
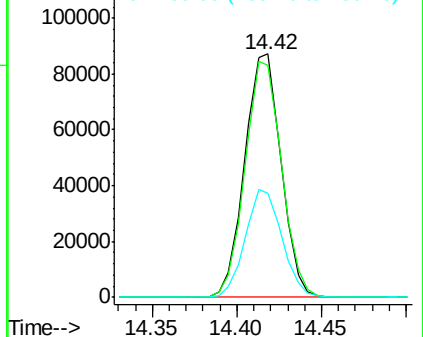
160 42.9 33.9 50.9



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: 136.71 ng

RT: 15.90 min Scan# 2250

Delta R.T. 0.00 min

Lab File: BG016146.D

Acq: 26 Mar 2015 18:39

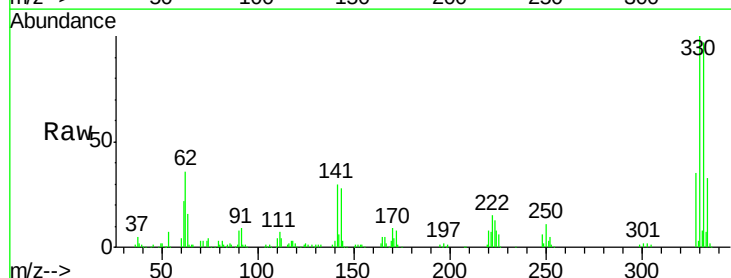
Tgt Ion:330 Resp: 204749

Ion Ratio Lower Upper

330 100

332 96.7 76.6 114.8

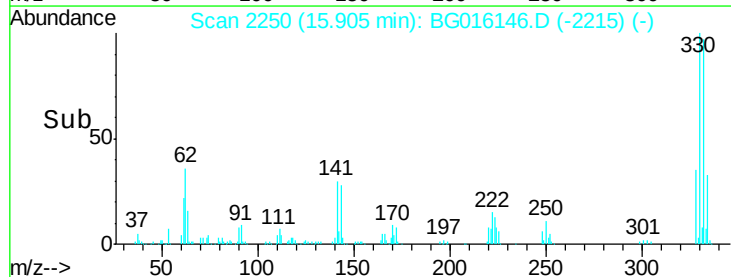
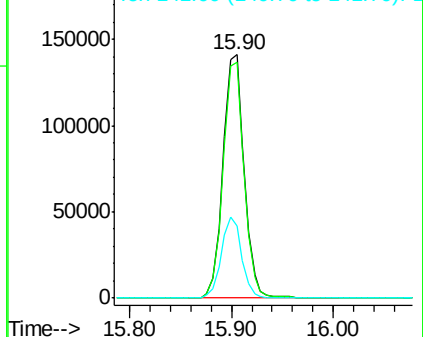
141 32.2 26.2 39.4

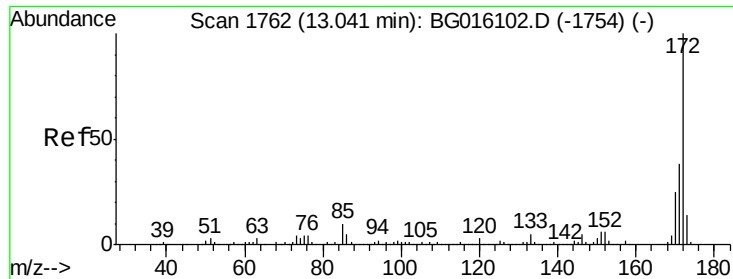


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

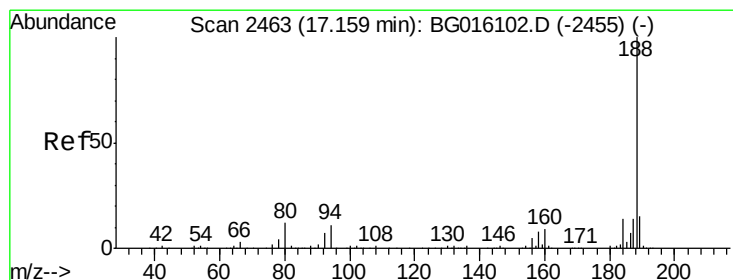
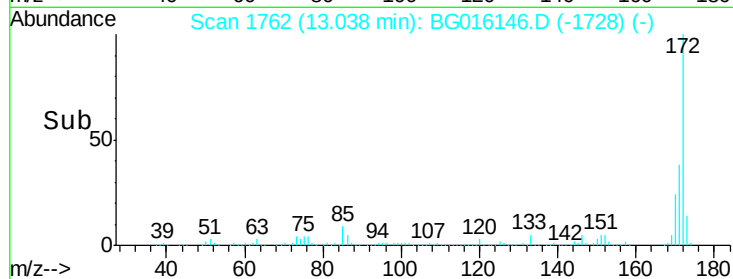
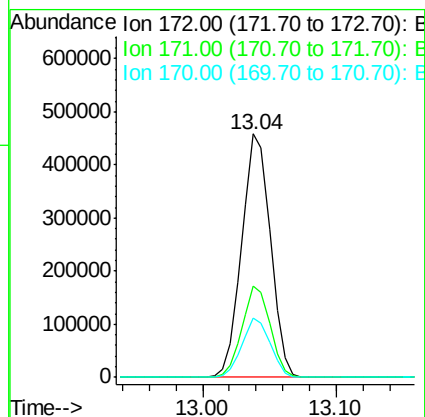
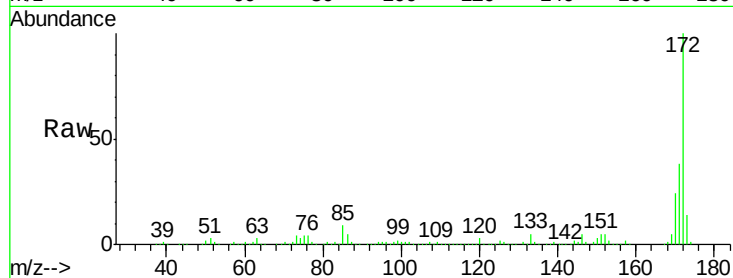




#44
 2-Fluorobiphenyl
 Concen: 87.13 ng
 RT: 13.04 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: BG016146.D
 Acq: 26 Mar 2015 18:39

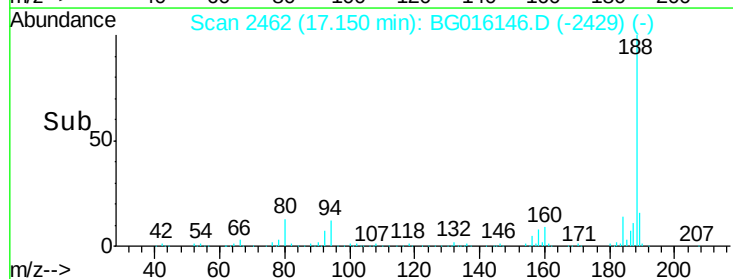
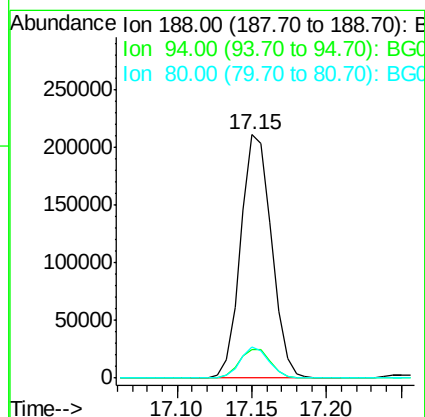
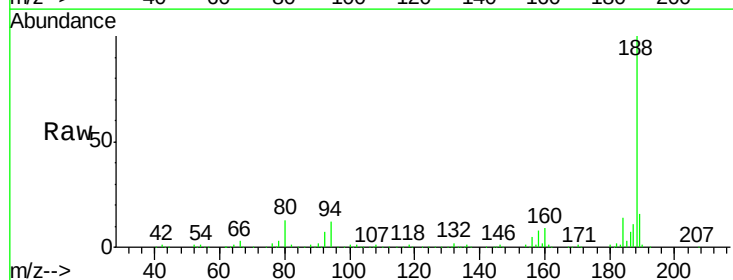
Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2015-01

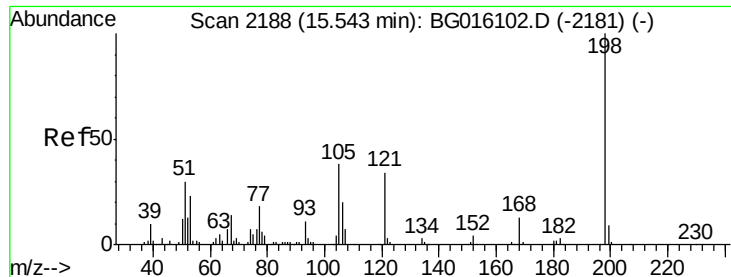
Tgt Ion:172 Resp: 678918
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.3 45.5
 170 24.3 19.8 29.8



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.15 min Scan# 2462
 Delta R.T. -0.01 min
 Lab File: BG016146.D
 Acq: 26 Mar 2015 18:39

Tgt Ion:188 Resp: 301961
 Ion Ratio Lower Upper
 188 100
 94 12.0 9.1 13.7
 80 12.7 9.8 14.8





#64

4,6-Dinitro-2-methylphenol

Concen: 0.27 ng

RT: 15.53 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG016146.D

Acq: 26 Mar 2015 18:39

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2015-01

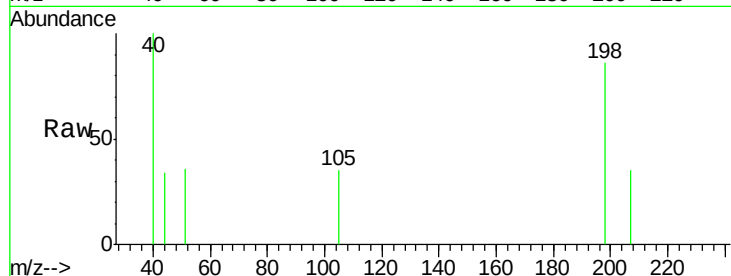
Tgt Ion:198 Resp: 550

Ion Ratio Lower Upper

198 100

51 41.3 10.7 50.7

105 40.1 18.3 58.3



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

15.53

400

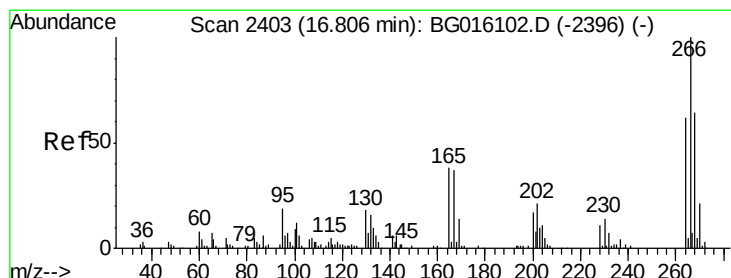
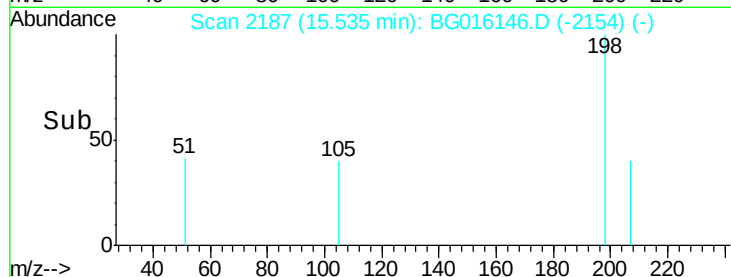
300

200

100

0

Time--> 15.50 15.55



#69

Pentachlorophenol

Concen: 0.38 ng

RT: 16.80 min Scan# 2403

Delta R.T. -0.00 min

Lab File: BG016146.D

Acq: 26 Mar 2015 18:39

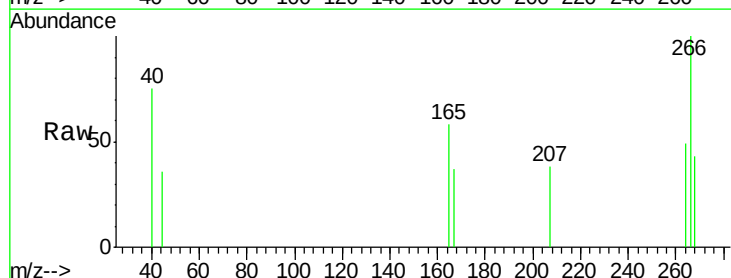
Tgt Ion:266 Resp: 751

Ion Ratio Lower Upper

266 100

268 42.6 51.5 77.3#

264 49.2 49.8 74.6#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

16.80

800

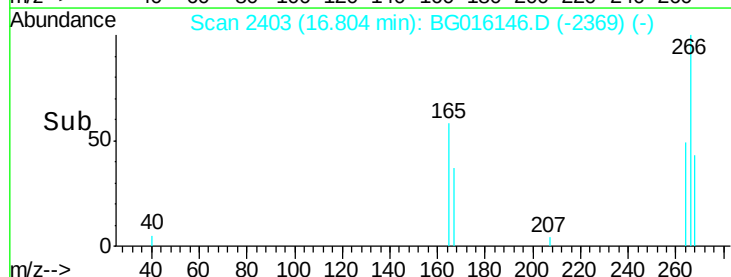
600

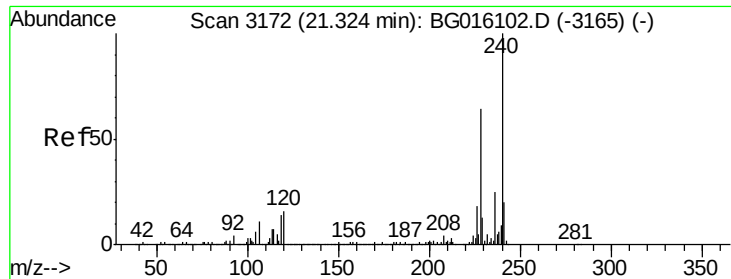
400

200

0

Time--> 16.80 16.85

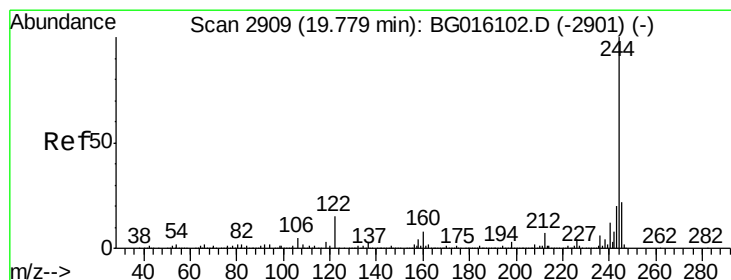
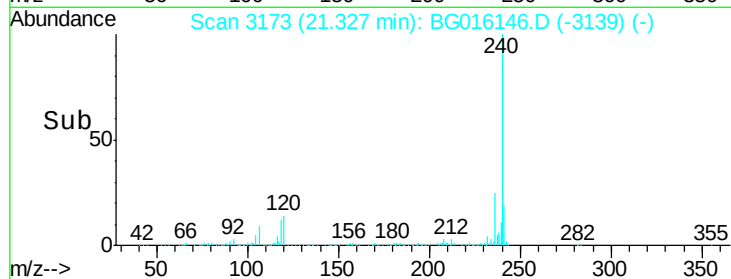
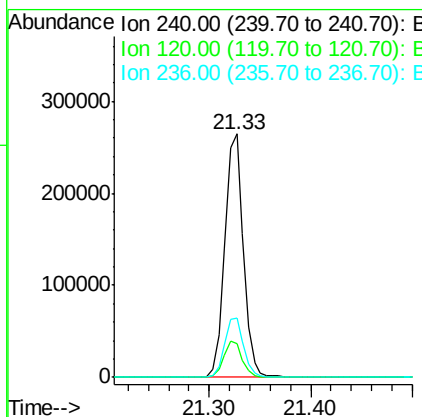
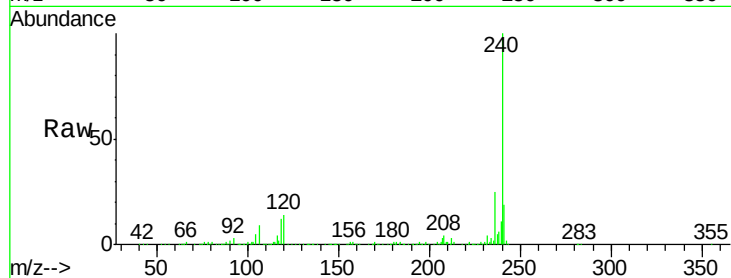




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.33 min Scan# 3173
Delta R.T. -0.00 min
Lab File: BG016146.D
Acq: 26 Mar 2015 18:39

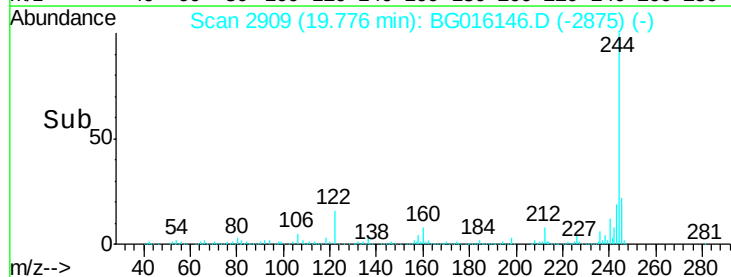
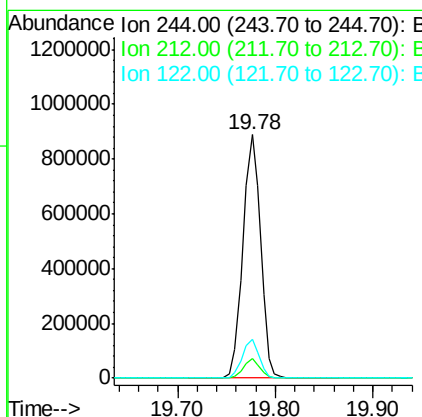
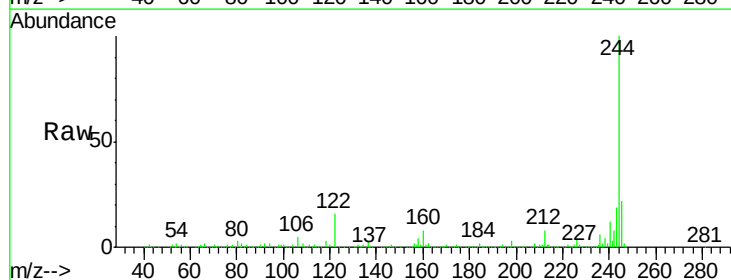
Instrument :
BNA_G
ClientSampleId :
LOD-WATER2015-01

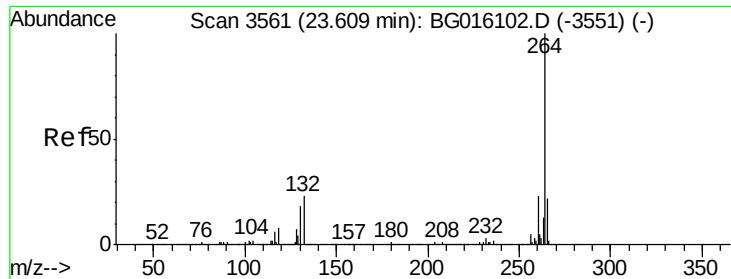
Tgt Ion:240 Resp: 335429
Ion Ratio Lower Upper
240 100
120 13.8 13.0 19.4
236 24.6 20.2 30.2



#78
Terphenyl-d14
Concen: 84.23 ng
RT: 19.78 min Scan# 2909
Delta R.T. -0.00 min
Lab File: BG016146.D
Acq: 26 Mar 2015 18:39

Tgt Ion:244 Resp: 1121832
Ion Ratio Lower Upper
244 100
212 7.8 5.9 8.9
122 16.0 12.2 18.2





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.61 min Scan# 3562
Delta R.T. -0.01 min
Lab File: BG016146.D
Acq: 26 Mar 2015 18:39

Instrument :
BNA_G
ClientSampleId :
LOD-WATER2015-01

Tgt Ion: 264 Resp: 321534
Ion Ratio Lower Upper
264 100
260 23.2 18.4 27.6
265 20.7 17.3 25.9

