

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100317\
 Data File : BG029005.D
 Acq On : 3 Oct 2017 14:48
 Operator : SJ/JU
 Sample : I5275-05
 Misc : LOD 2 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER-05-QT4-2017

Quant Time: Oct 05 01:17:21 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 16:57:11 2017
 Response via : Initial Calibration

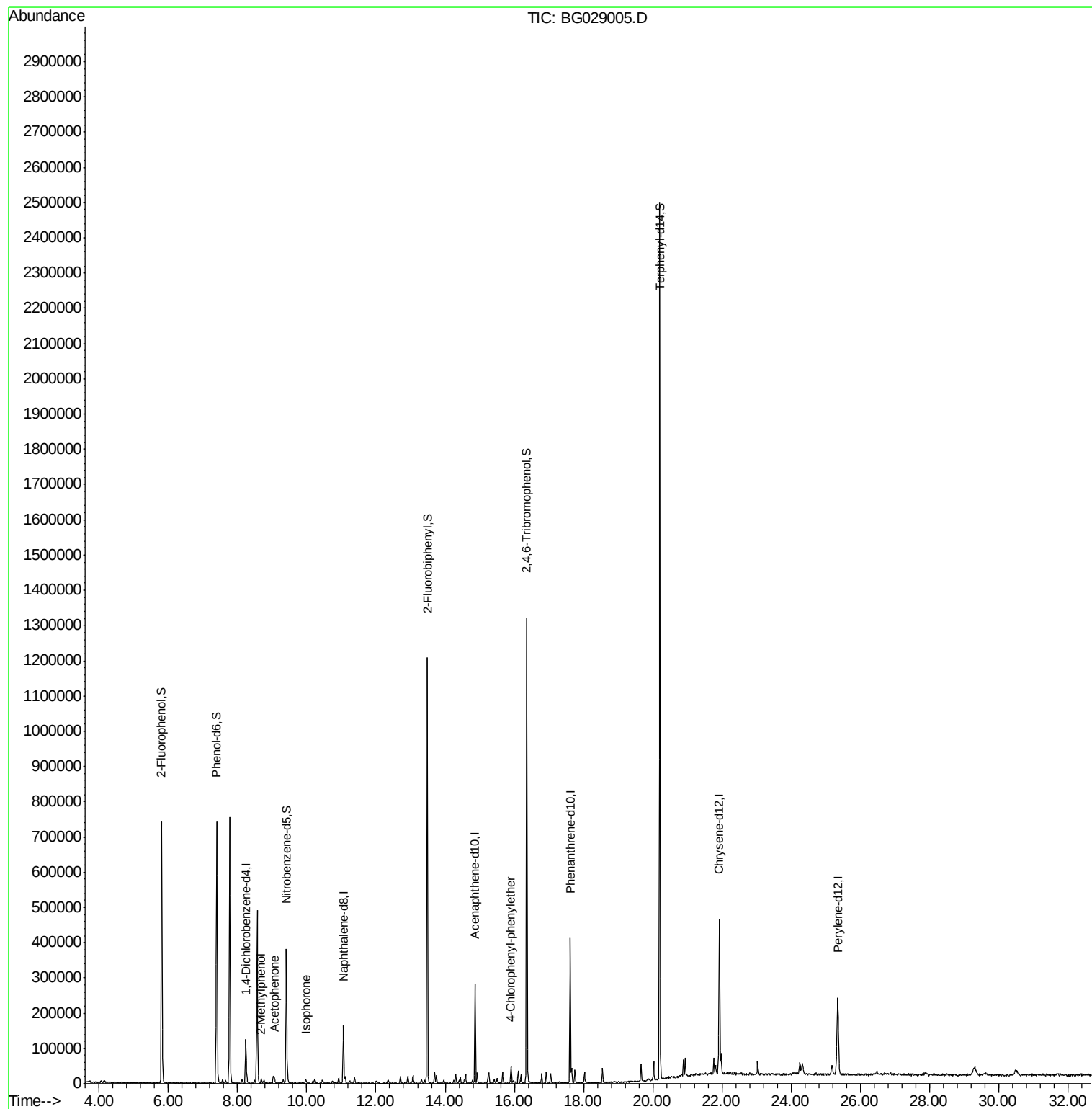
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	32999	20.00	ng	-0.09
21) Naphthalene-d8	11.06	136	140511	20.00	ng	-0.09
38) Acenaphthene-d10	14.86	164	100548	20.00	ng	-0.08
63) Phenanthrene-d10	17.61	188	258658	20.00	ng	-0.08
75) Chrysene-d12	21.93	240	291466	20.00	ng	-0.11
86) Perylene-d12	25.34	264	276232	20.00	ng	-0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	328627	164.32	ng	-0.10
7) Phenol-d6	7.40	99	445637	148.00	ng	-0.09
23) Nitrobenzene-d5	9.41	82	247233	84.17	ng	-0.09
41) 2,4,6-Tribromophenol	16.36	330	275081	165.41	ng	-0.08
44) 2-Fluorobiphenyl	13.48	172	642988	85.27	ng	-0.08
78) Terphenyl-d14	20.20	244	1093944	80.04	ng	-0.08
Target Compounds						
17) 2-Methylphenol	8.69	107	4353	2.096	ng	# 73
22) Acetophenone	9.07	105	8401	2.045	ng	# 75
25) Isophorone	9.97	82	11996	2.018	ng	96
60) 4-Chlorophenyl-phenylether	15.90	204	9687	2.028	ng	# 86

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.24 min Scan# 792

Delta R.T. -0.09 min

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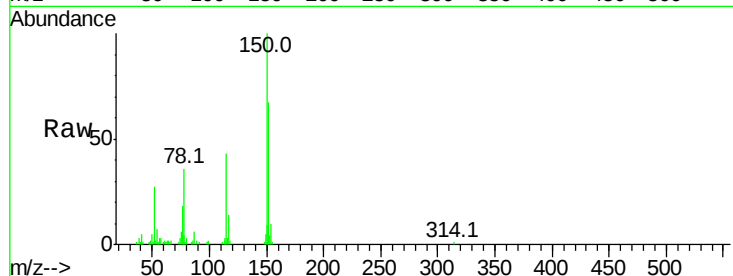
Tot Ion:152 Resp: 32999

Ion Ratio Lower Upper

152 100

150 150.2 114.0 171.0

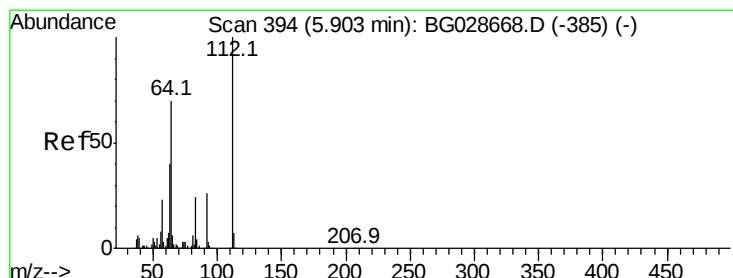
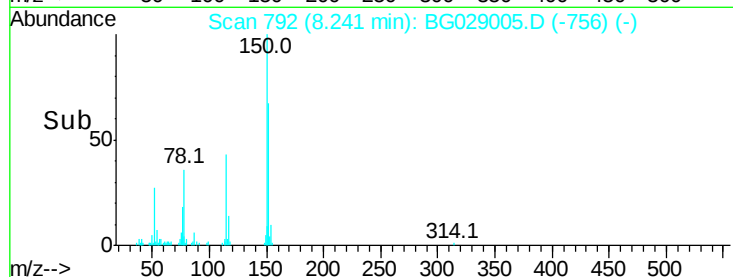
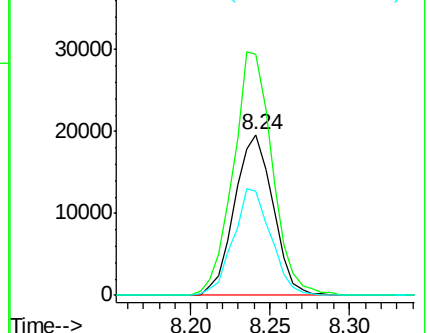
115 64.4 48.1 72.1



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: 164.323 ng

RT: 5.80 min Scan# 377

Delta R.T. -0.10 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

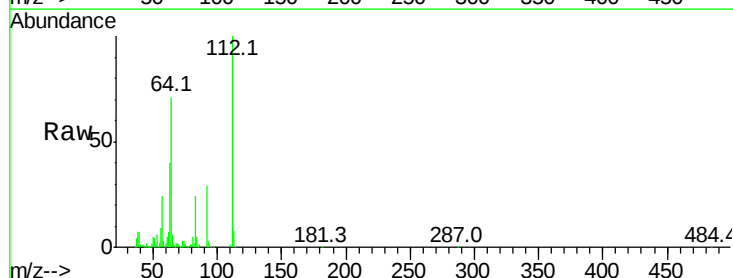
Tgt Ion:112 Resp: 328627

Ion Ratio Lower Upper

112 100

64 71.5 61.8 92.6

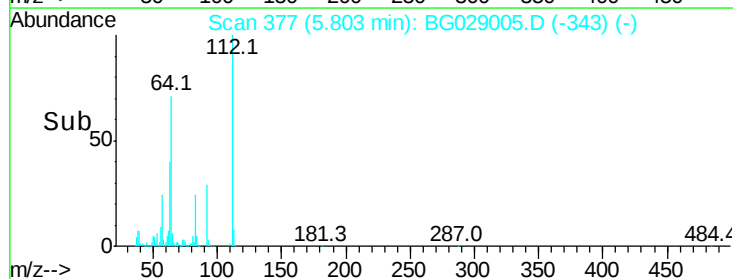
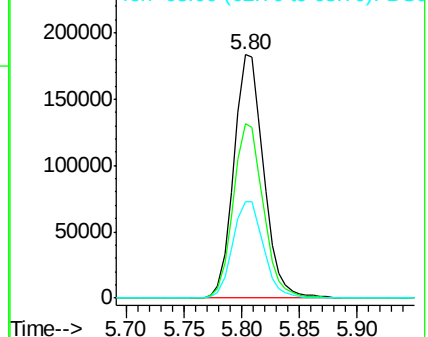
63 39.8 37.2 55.8

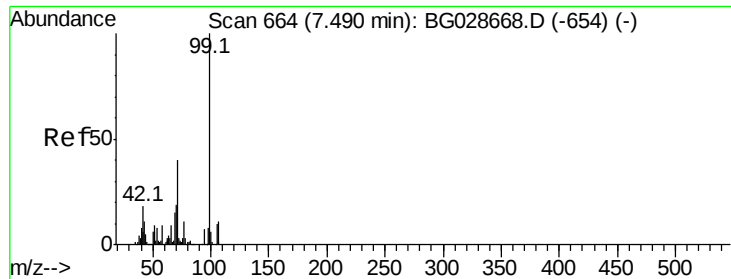


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 148.000 ng

RT: 7.40 min Scan# 649

Delta R.T. -0.09 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

Instrument :

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LOD-WATER-05-QT4-2017

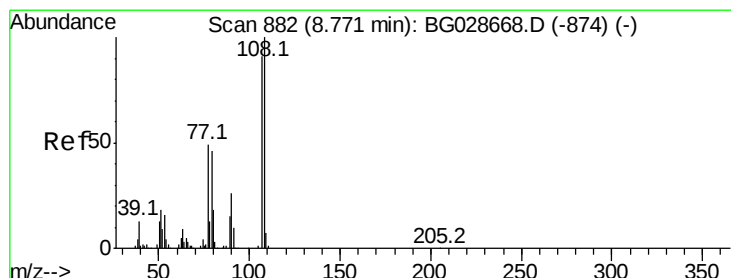
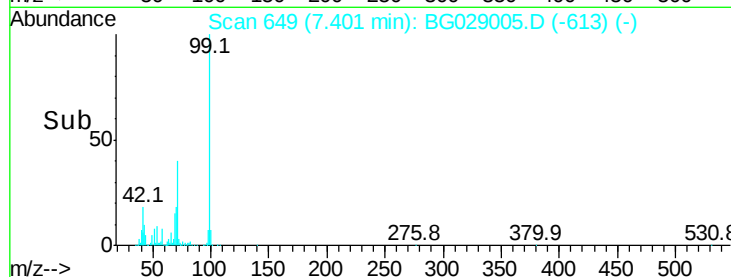
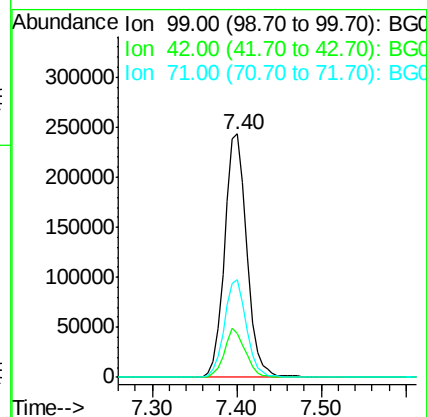
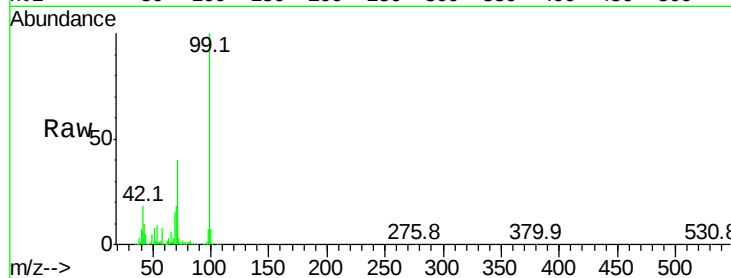
Tot Ion: 99 Resp: 445637

Ion Ratio Lower Upper

99 100

42 18.0 20.5 30.7#

71 40.2 37.6 56.4



#17

2-Methylphenol

Concen: 2.096 ng

RT: 8.69 min Scan# 868

Delta R.T. -0.08 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

Tgt Ion: 107 Resp: 4353

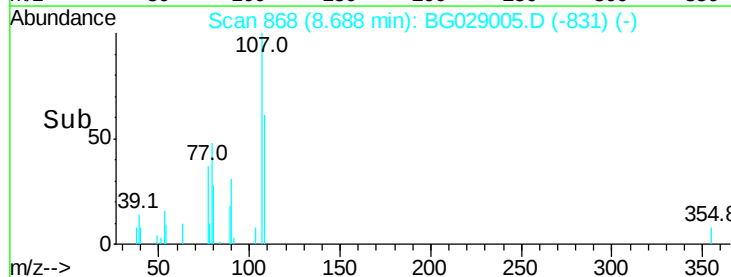
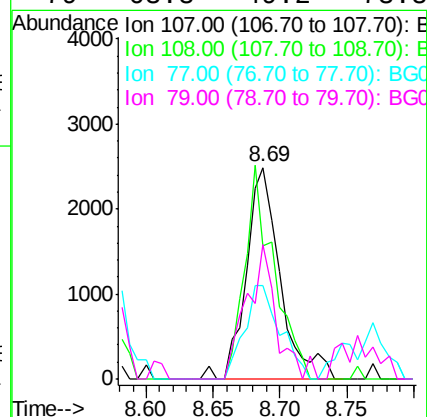
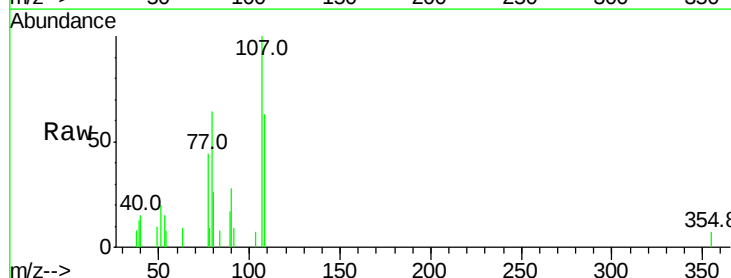
Ion Ratio Lower Upper

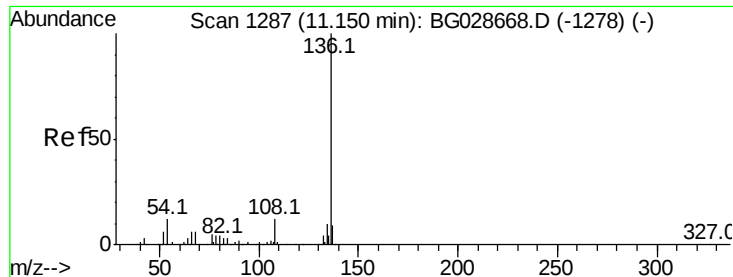
107 100

108 63.0 85.6 128.4#

77 44.3 51.4 77.2#

79 63.8 49.2 73.8

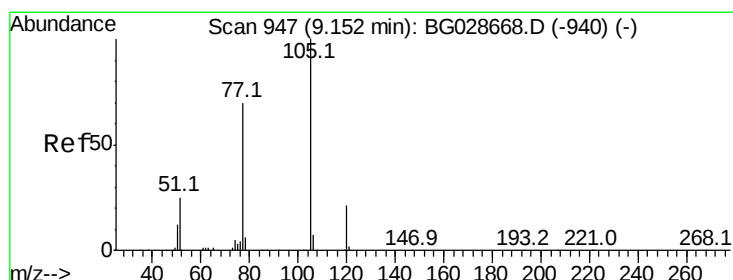
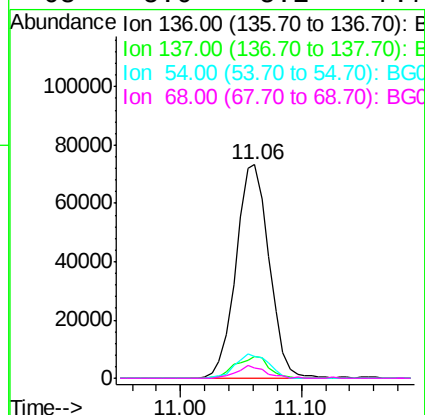
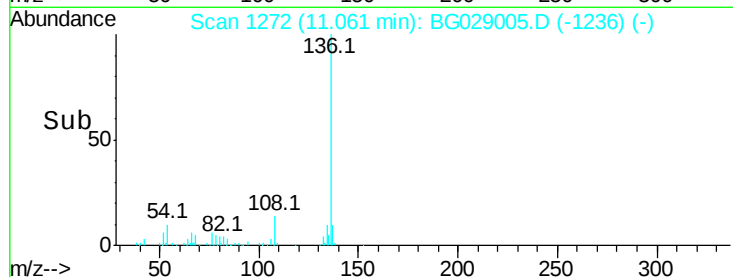
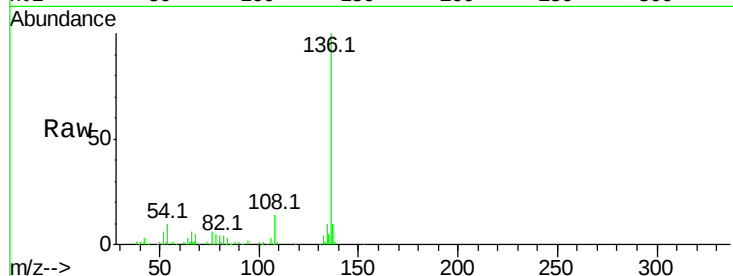




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.06 min Scan# 1272
Delta R.T. -0.09 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

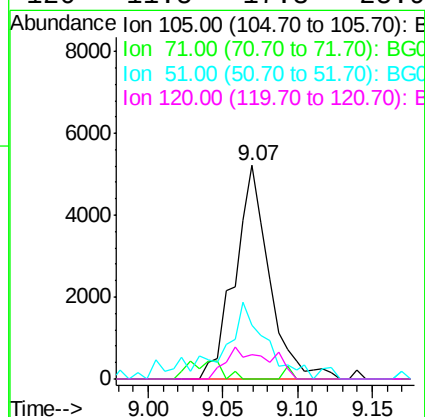
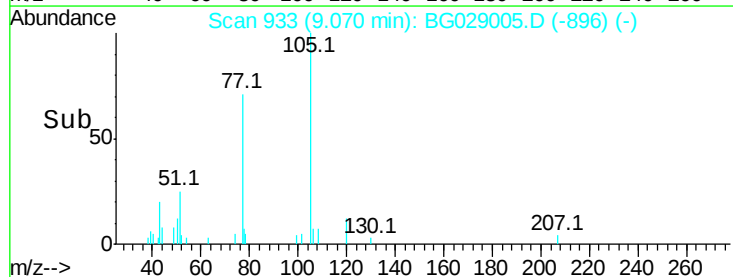
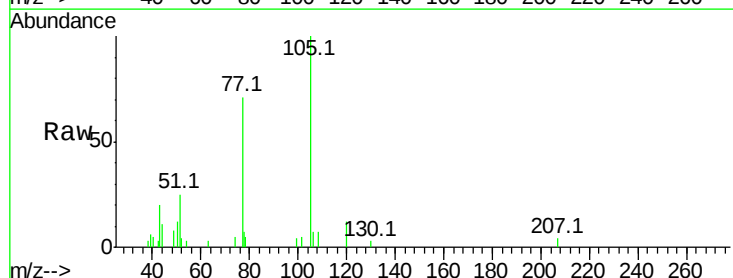
Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT4-2017

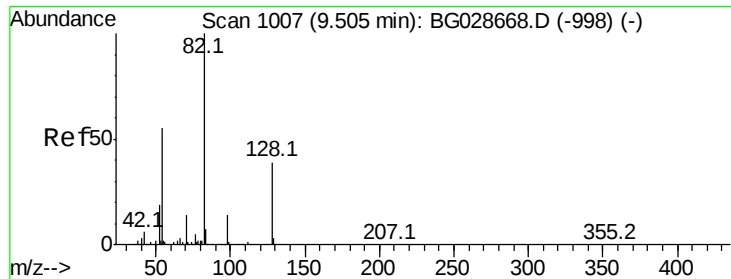
Tot Ion:	136	Resp:	140511
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	10.3	9.3	13.9
68	5.0	5.1	7.7#



#22
Acetophenone
Concen: 2.045 ng
RT: 9.07 min Scan# 933
Delta R.T. -0.08 min
Lab File: BG029005.D
Acq: 3 Oct 2017 14:48

Tgt Ion:	105	Resp:	8401
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.9	1.3#
51	25.2	34.0	51.0#
120	11.5	17.3	25.9#

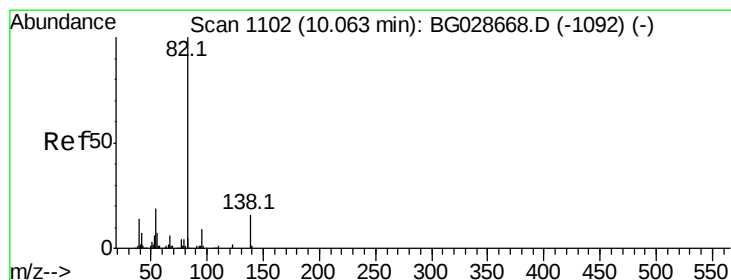
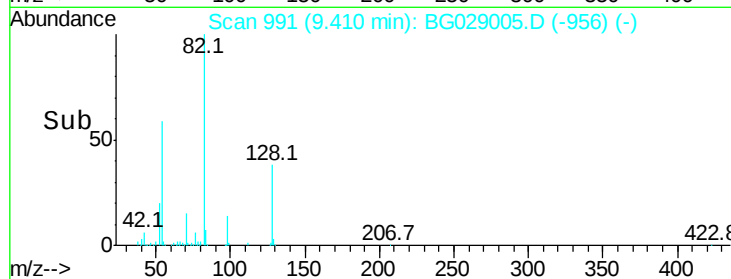
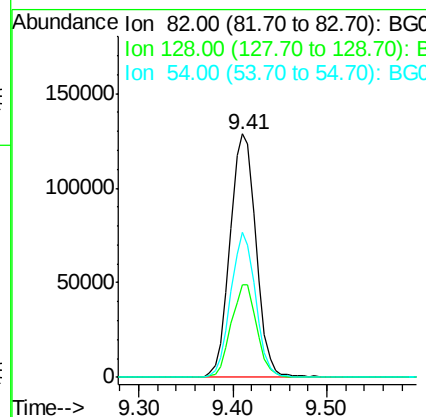
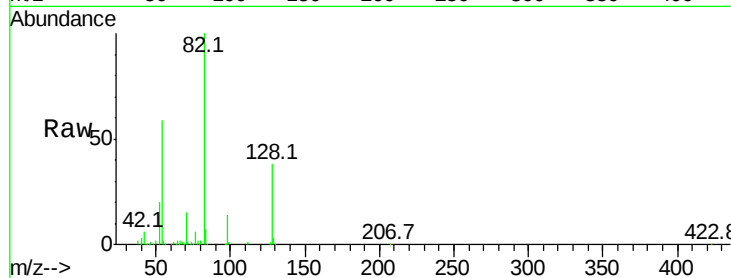




#23
 Nitrobenzene-d5
 Concen: 84.171 ng
 RT: 9.41 min Scan# 991
 Delta R.T. -0.09 min
 Lab File: BG029005.D
 Acq: 3 Oct 2017 14:48

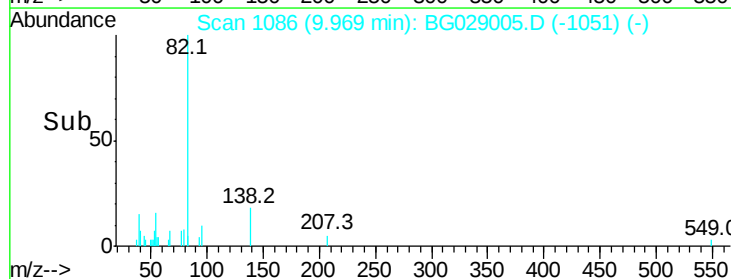
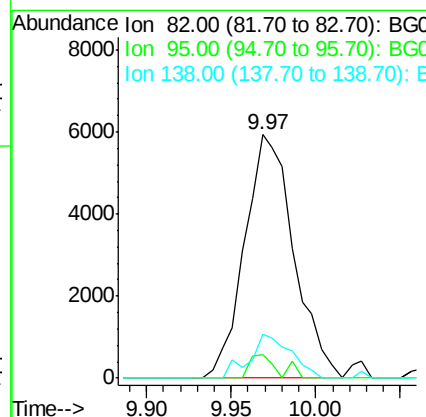
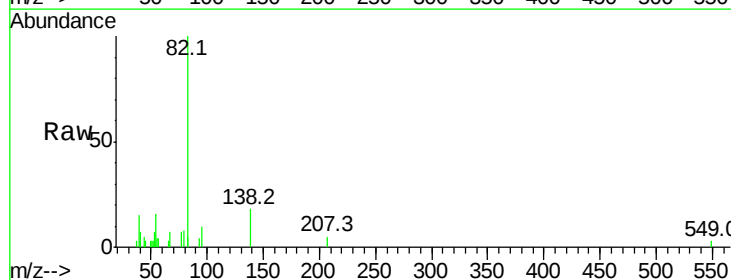
Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER-05-QT4-2017

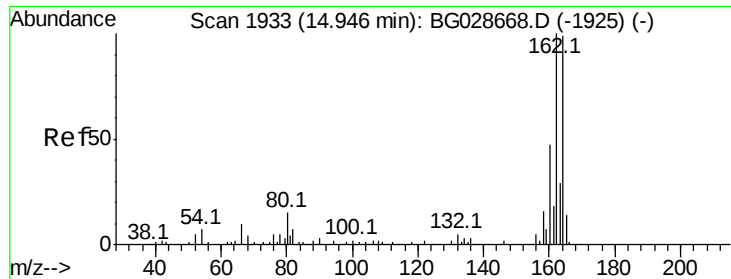
Tot Ion: 82 Resp: 247233
 Ion Ratio Lower Upper
 82 100
 128 37.8 26.4 39.6
 54 59.5 49.4 74.2



#25
 Isophorone
 Concen: 2.018 ng
 RT: 9.97 min Scan# 1086
 Delta R.T. -0.09 min
 Lab File: BG029005.D
 Acq: 3 Oct 2017 14:48

Tgt Ion: 82 Resp: 11996
 Ion Ratio Lower Upper
 82 100
 95 9.8 7.5 11.3
 138 18.1 12.3 18.5





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.86 min Scan# 1919

Delta R.T. -0.08 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

Instrument :

BNA_G

ClientSampleId :

LOD-WATER-05-QT4-2017

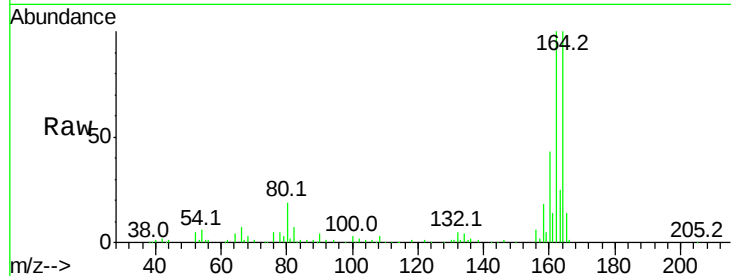
Tot Ion:164 Resp: 100548

Ion Ratio Lower Upper

164 100

162 99.8 85.1 127.7

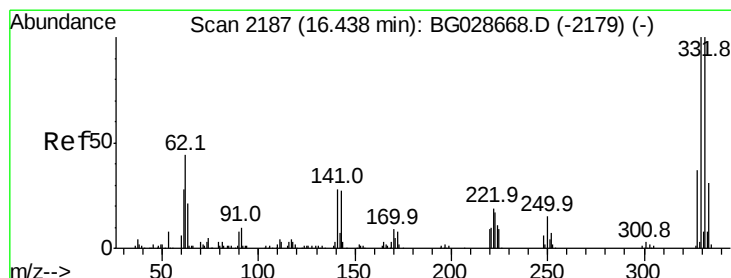
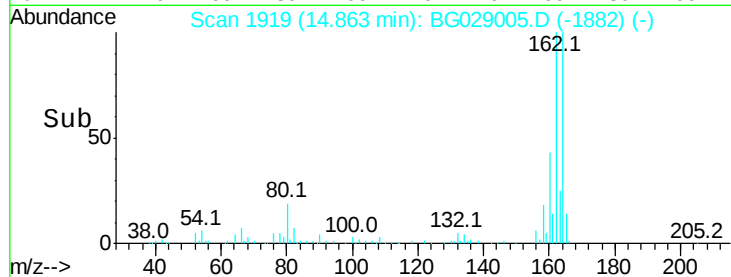
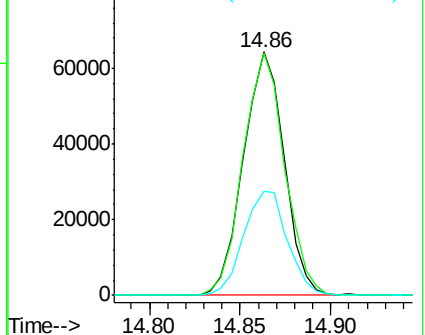
160 42.8 34.7 52.1



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: 165.412 ng

RT: 16.36 min Scan# 2173

Delta R.T. -0.08 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

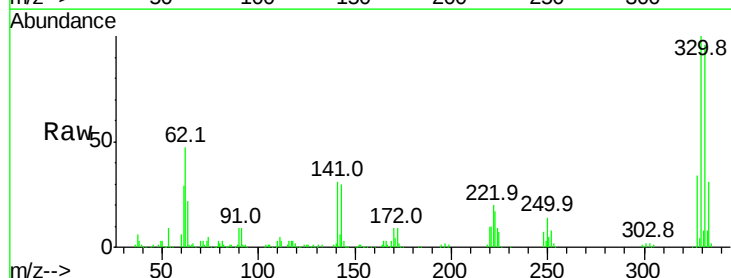
Tgt Ion:330 Resp: 275081

Ion Ratio Lower Upper

330 100

332 97.0 77.3 115.9

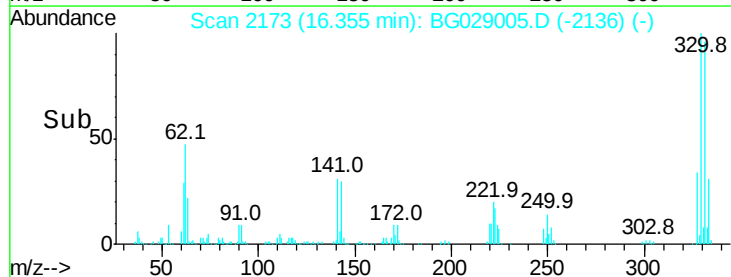
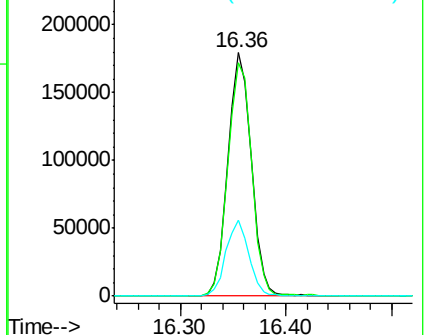
141 30.5 32.1 48.1#

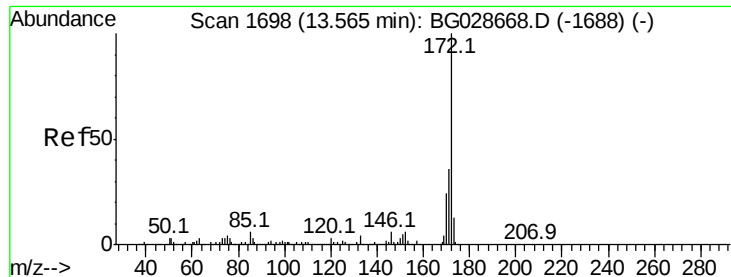


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

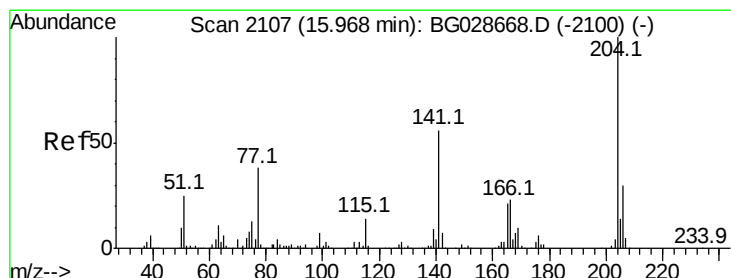
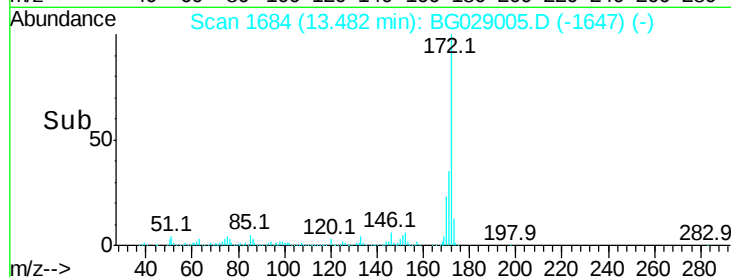
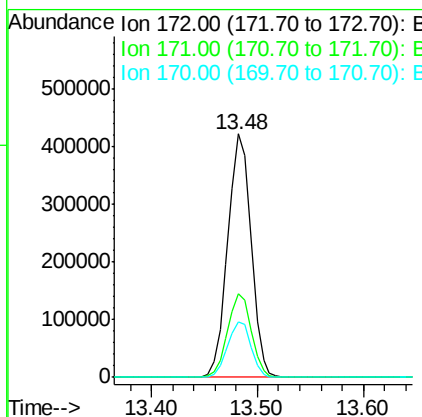
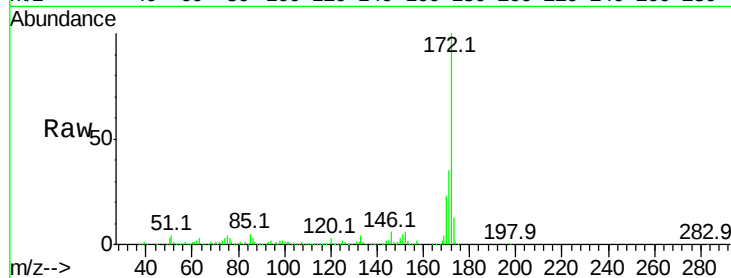




#44
 2-Fluorobiphenyl
 Concen: 85.270 ng
 RT: 13.48 min Scan# 1684
 Delta R.T. -0.08 min
 Lab File: BG029005.D
 Acq: 3 Oct 2017 14:48

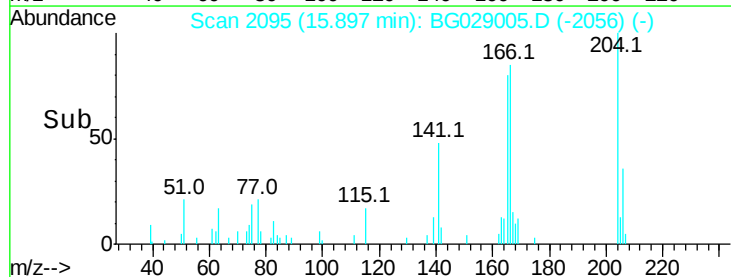
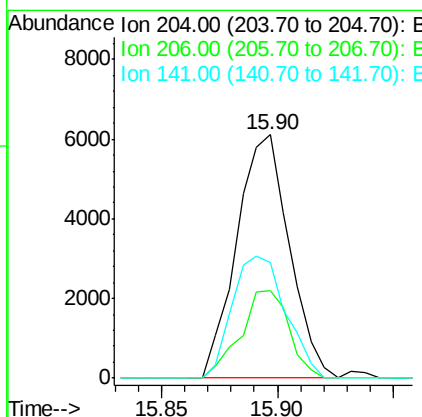
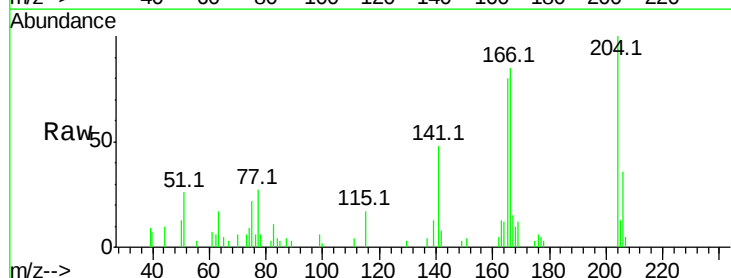
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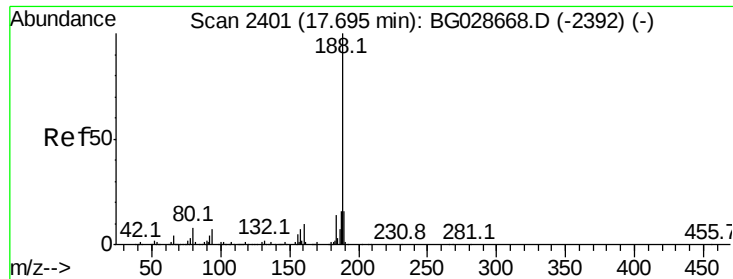
Tot Ion:172 Resp: 642988
 Ion Ratio Lower Upper
 172 100
 171 34.6 32.2 48.2
 170 22.8 21.8 32.6



#60
 4-Chlorophenyl-phenylether
 Concen: 2.028 ng
 RT: 15.90 min Scan# 2095
 Delta R.T. -0.07 min
 Lab File: BG029005.D
 Acq: 3 Oct 2017 14:48

Tgt Ion:204 Resp: 9687
 Ion Ratio Lower Upper
 204 100
 206 36.1 30.1 45.1
 141 47.6 50.6 76.0#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.61 min Scan# 2387

Delta R.T. -0.08 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

Instrument :

BNA_G

ClientSampleId :

LOD-WATER-05-QT4-2017

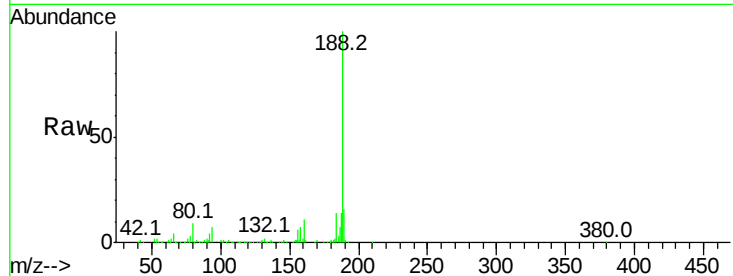
Tot Ion:188 Resp: 258658

Ion Ratio Lower Upper

188 100

94 6.9 5.8 8.8

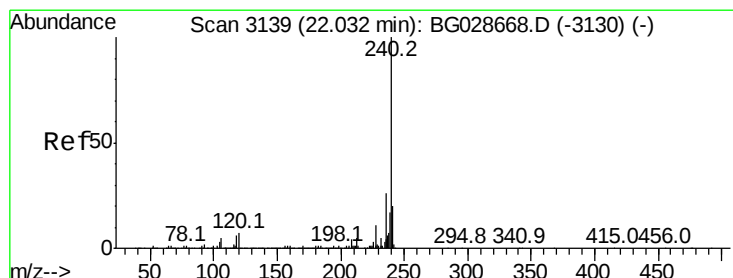
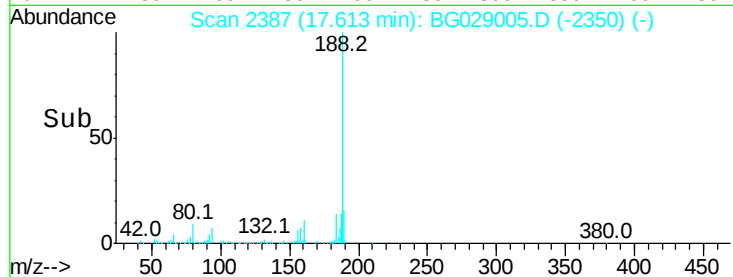
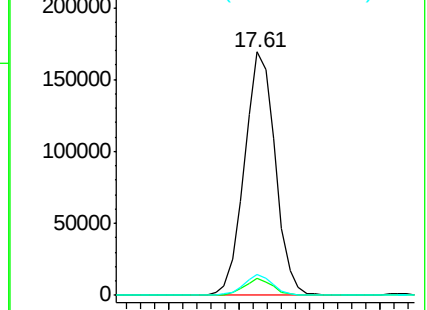
80 8.5 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.93 min Scan# 3121

Delta R.T. -0.11 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

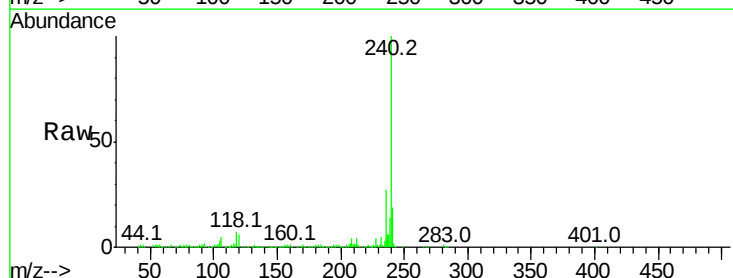
Tgt Ion:240 Resp: 291466

Ion Ratio Lower Upper

240 100

120 6.2 5.7 8.5

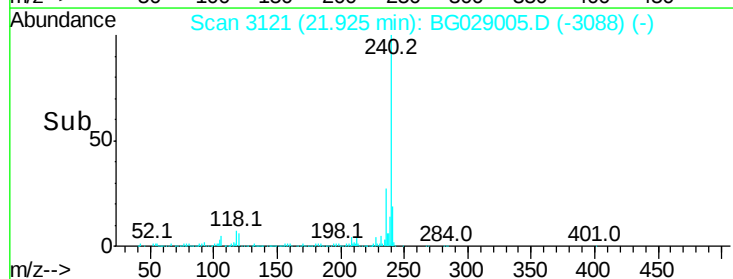
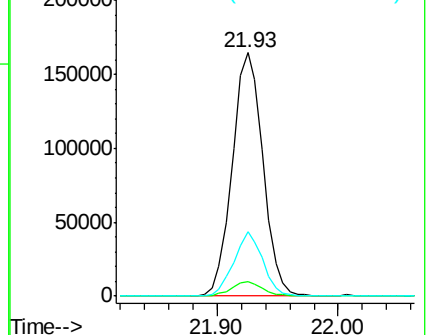
236 26.6 22.2 33.4

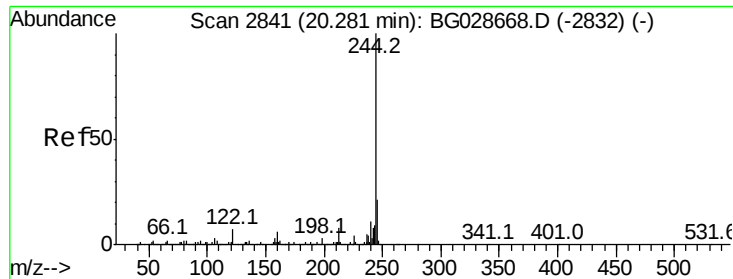


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 80.040 ng

RT: 20.20 min Scan# 2828

Delta R.T. -0.08 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

Instrument :

BNA_G

ClientSampleId :

LOD-WATER-05-QT4-2017

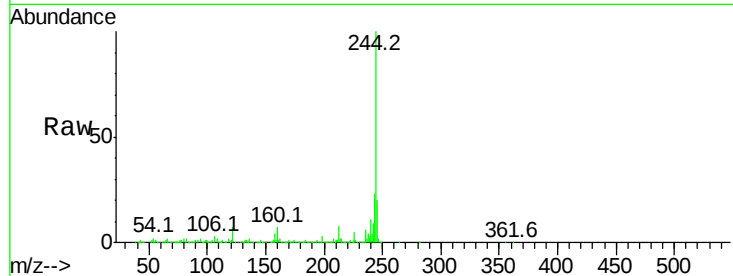
Tot Ion:244 Resp: 1093944

Ion Ratio Lower Upper

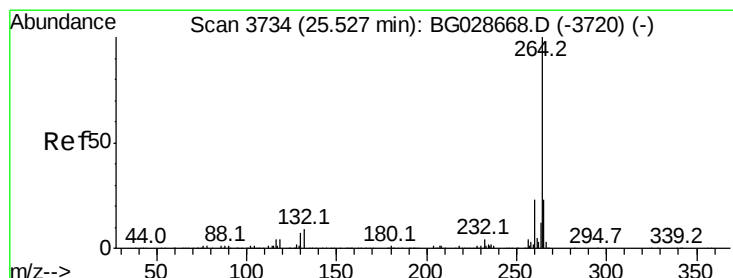
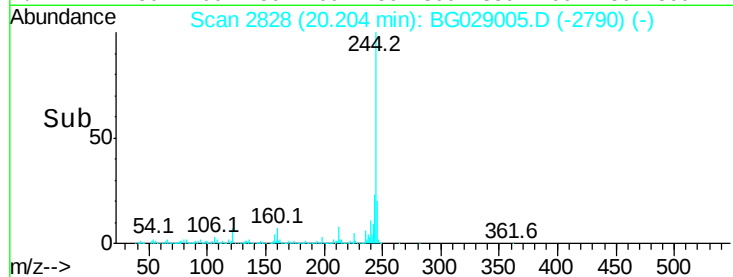
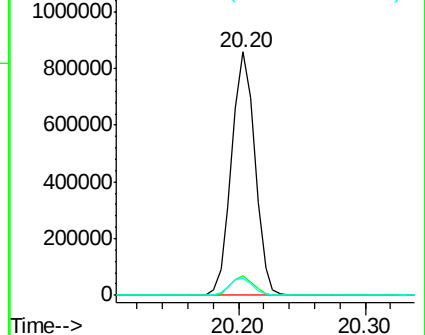
244 100

212 7.9 10.0 15.0#

122 7.2 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: 20.000 ng

RT: 25.34 min Scan# 3703

Delta R.T. -0.18 min

Lab File: BG029005.D

Acq: 3 Oct 2017 14:48

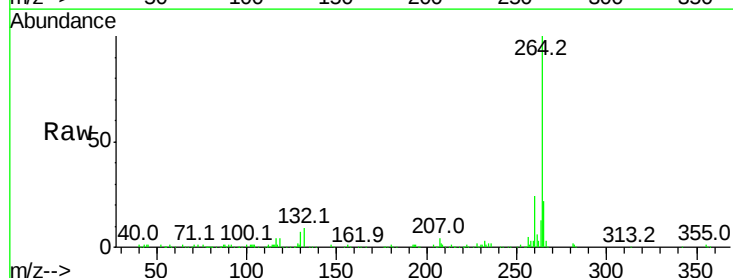
Tgt Ion:264 Resp: 276232

Ion Ratio Lower Upper

264 100

260 24.3 21.8 32.8

265 22.5 18.2 27.4



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

