

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
 Data File : BG024128.D
 Acq On : 24 Sep 2016 17:45
 Operator : UM/SJ
 Sample : H4865-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WATER

Quant Time: Sep 26 00:52:44 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 23 15:35:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	48503	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	221272	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	170153	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	367401	20.00	ng	0.00
75) Chrysene-d12	21.79	240	423163	20.00	ng	0.00
86) Perylene-d12	25.13	264	419502	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	139247	49.74	ng	0.00
7) Phenol-d6	7.22	99	132731	28.18	ng	0.01
23) Nitrobenzene-d5	9.22	82	365915	65.18	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	237306	97.03	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	675820	66.76	ng	0.00
78) Terphenyl-d14	20.09	244	390708	18.91	ng	0.00

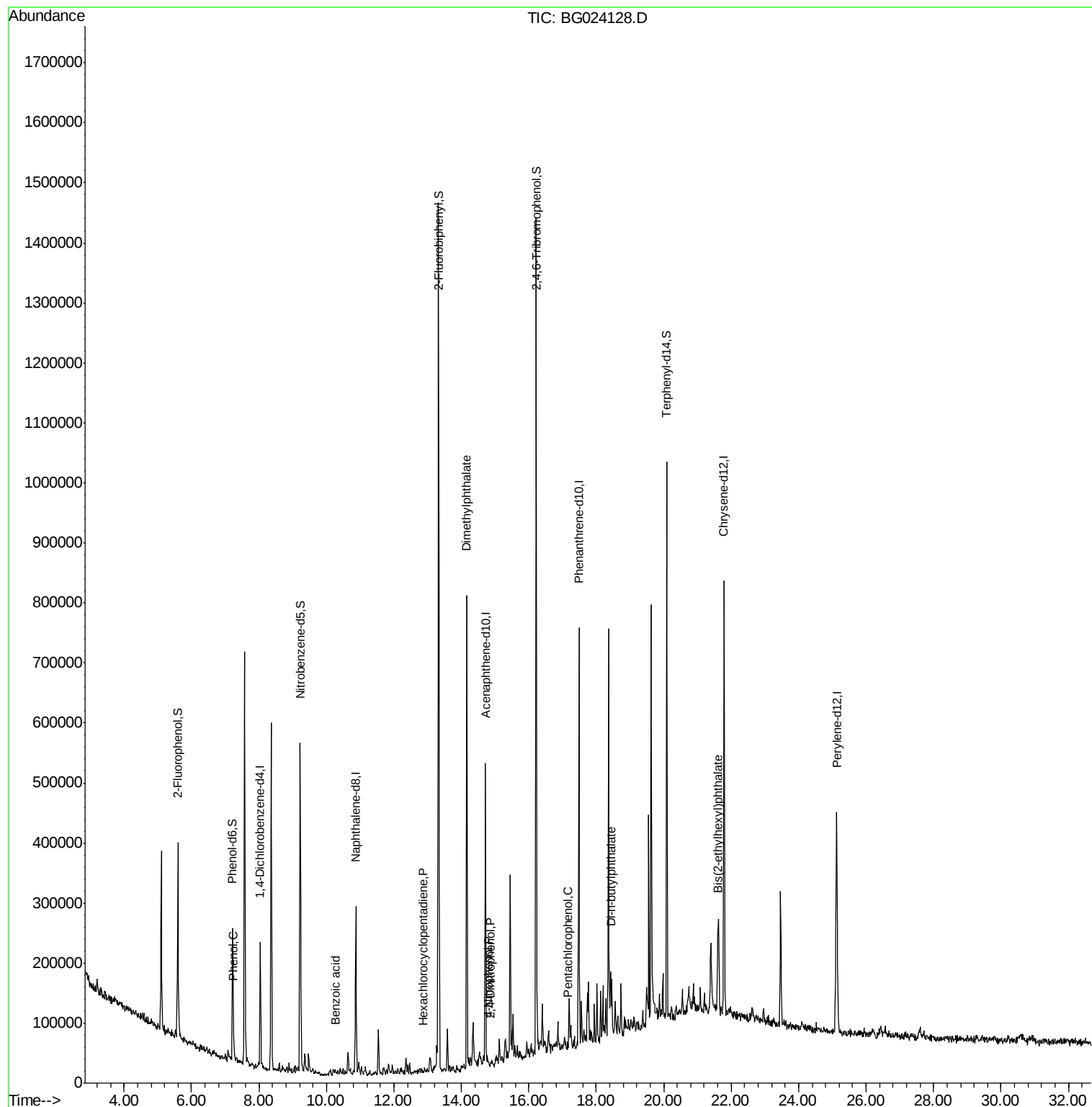
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.25	94	11198	2.26	ng	94
32) Benzoic acid	10.27	122	73	2.18	ng	# 75
40) Hexachlorocyclopentadiene	12.88	237	58	3.61	ng	# 57
49) Dimethylphthalate	14.16	163	453678	34.76	ng	100
53) 2,4-Dinitrophenol	14.85	184	57	2.49	ng	# 32
55) 4-Nitrophenol	14.80	139	223	5.44	ng	88
69) Pentachlorophenol	17.15	266	79	3.59	ng	# 18
73) Di-n-butylphthalate	18.43	149	61171	2.61	ng	# 94
83) Bis(2-ethylhexyl)phthalate	21.61	149	63903	4.92	ng	# 95

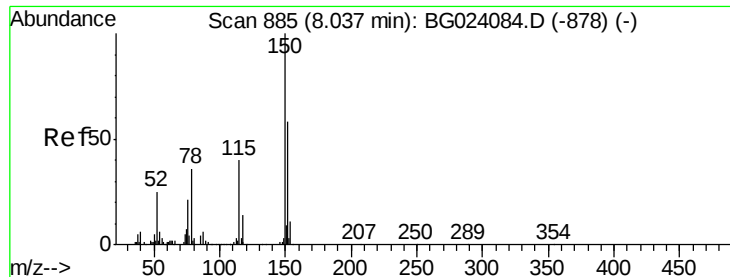
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 885

Delta R.T. -0.00 min

Lab File: BG024128.D

Acq: 24 Sep 2016 17:45

Instrument :

BNA_G

ClientSampleId :

WATER

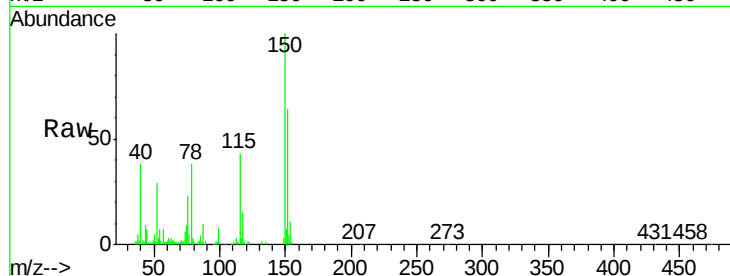
Tgt Ion:152 Resp: 48503

Ion Ratio Lower Upper

152 100

150 156.5 144.7 217.1

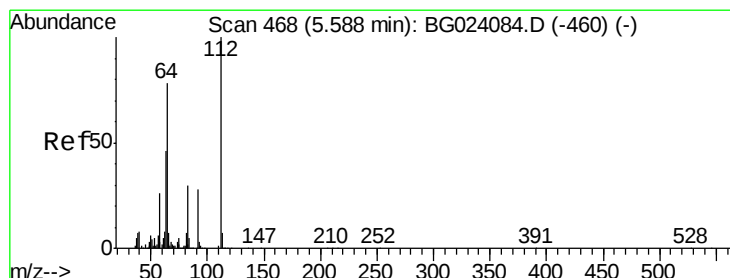
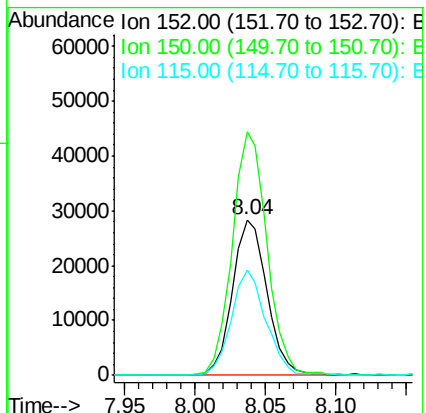
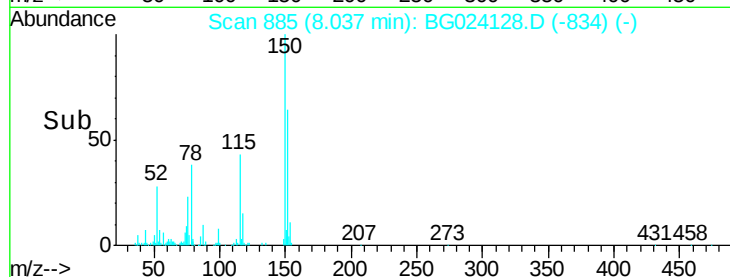
115 67.9 64.0 96.0



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: 49.74 ng

RT: 5.59 min Scan# 469

Delta R.T. 0.01 min

Lab File: BG024128.D

Acq: 24 Sep 2016 17:45

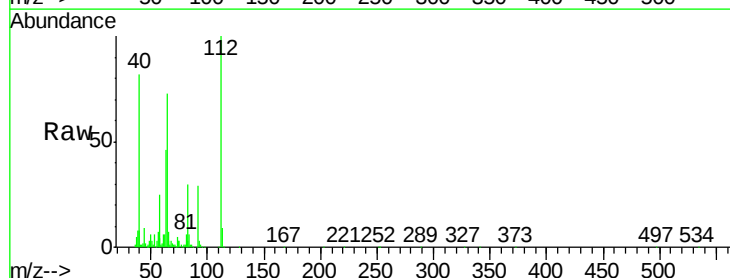
Tgt Ion:112 Resp: 139247

Ion Ratio Lower Upper

112 100

64 73.1 59.0 88.4

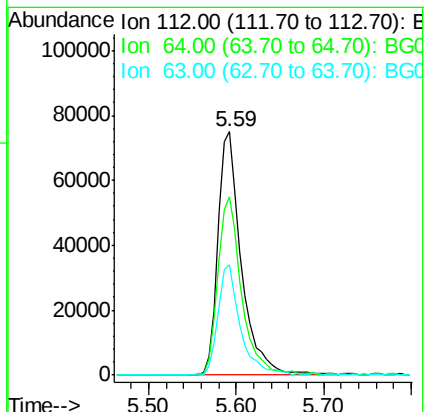
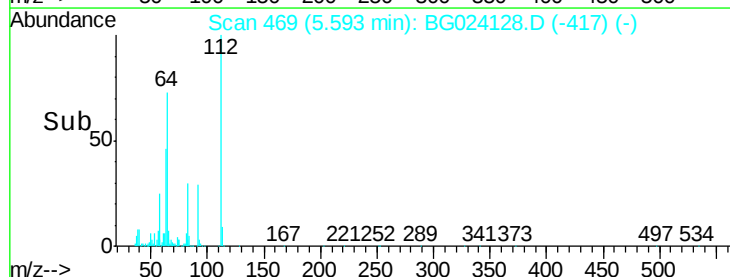
63 45.5 37.8 56.8

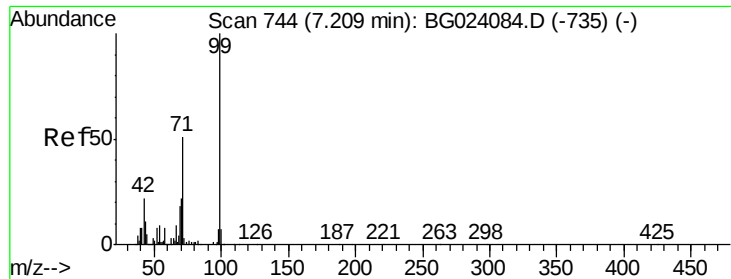


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 28.18 ng

RT: 7.22 min Scan# 746

Delta R.T. 0.01 min

Lab File: BG024128.D

Acq: 24 Sep 2016 17:45

Instrument :

BNA_G

ClientSampleId :

WATER

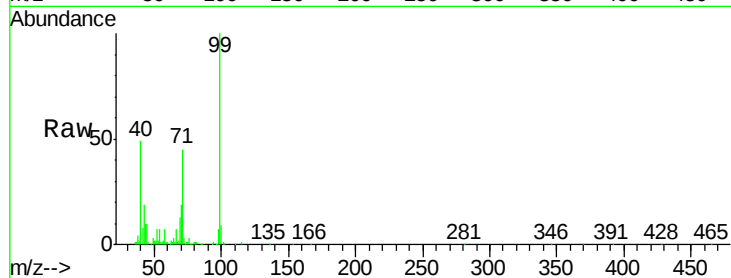
Tgt Ion: 99 Resp: 132731

Ion Ratio Lower Upper

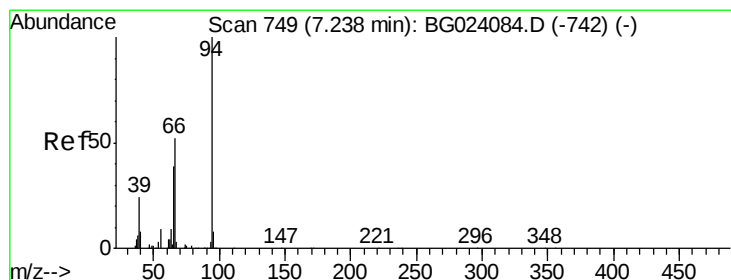
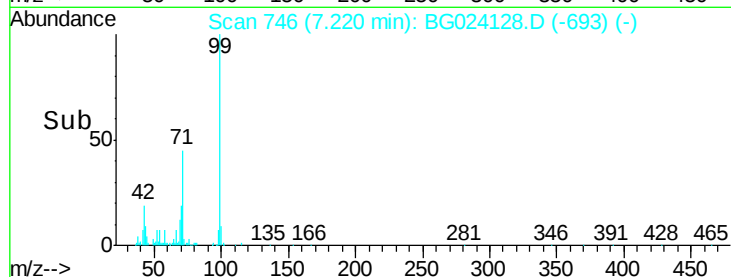
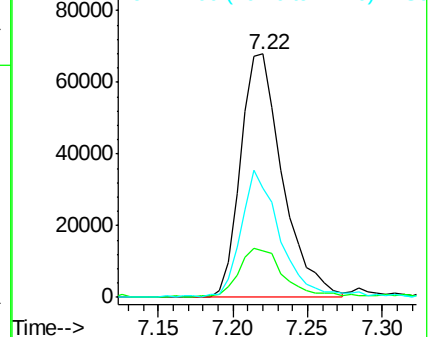
99 100

42 19.3 17.8 26.6

71 45.1 41.5 62.3



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



#10

Phenol

Concen: 2.26 ng

RT: 7.25 min Scan# 751

Delta R.T. 0.01 min

Lab File: BG024128.D

Acq: 24 Sep 2016 17:45

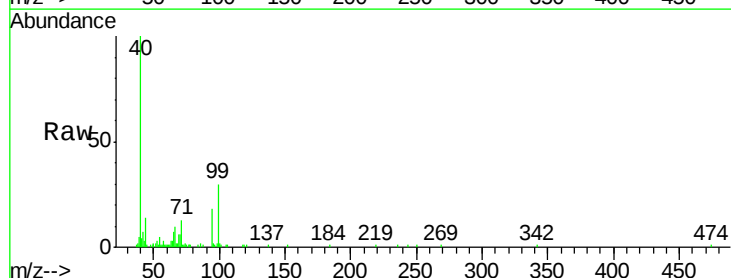
Tgt Ion: 94 Resp: 11198

Ion Ratio Lower Upper

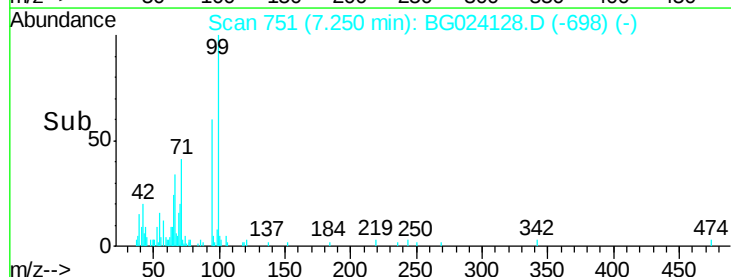
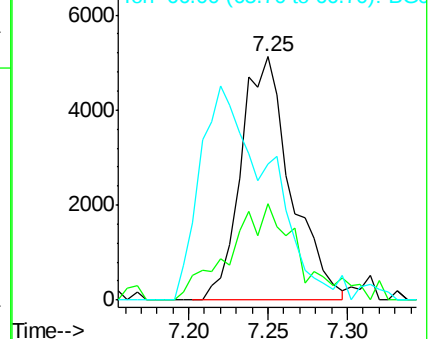
94 100

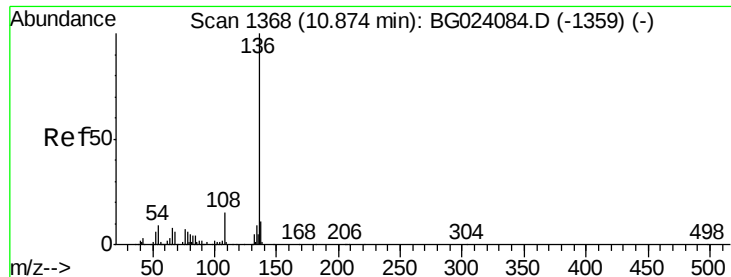
65 39.5 18.1 58.1

66 55.7 42.1 82.1



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

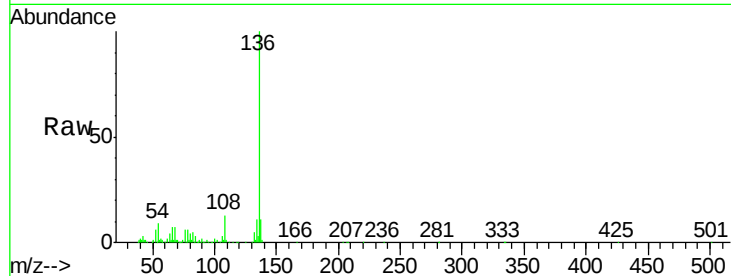




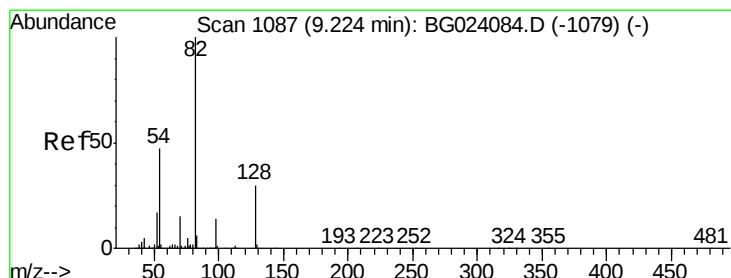
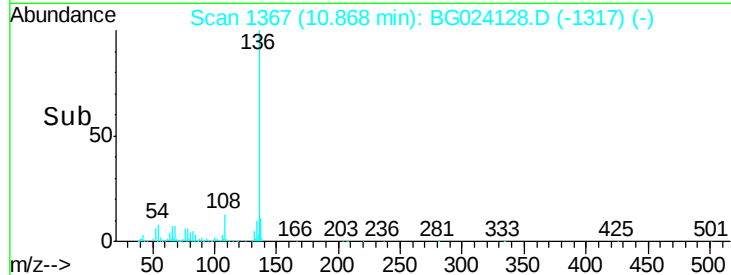
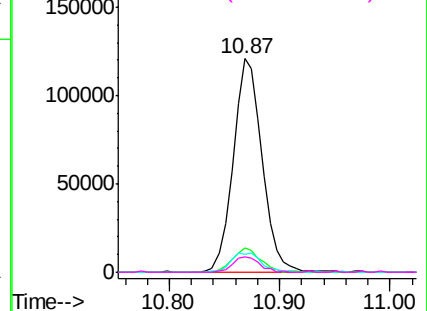
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.87 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BG024128.D
Acq: 24 Sep 2016 17:45

Instrument :
BNA_G
ClientSampleId :
WATER

Tgt Ion:	136	Resp:	221272
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.6	14.4
54	8.6	7.3	10.9
68	7.3	5.3	7.9

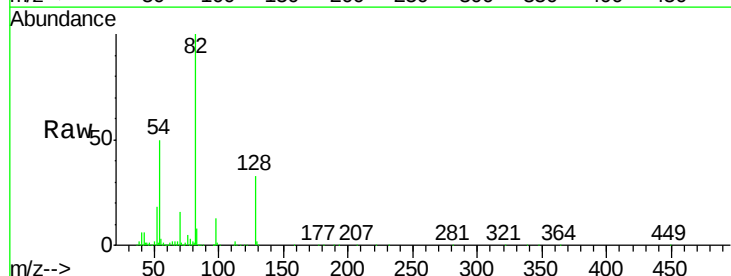


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

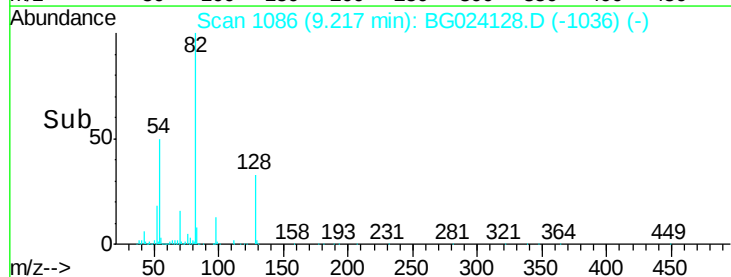
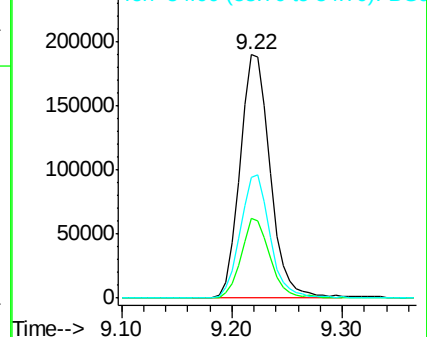


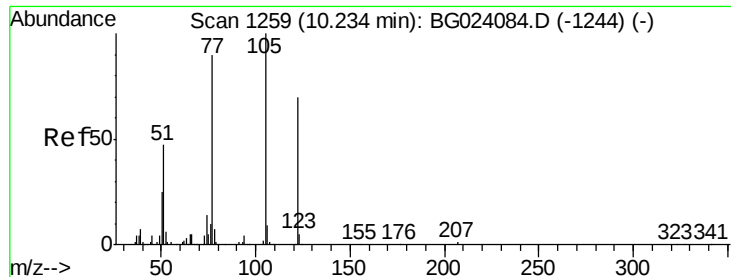
#23
Nitrobenzene-d5
Concen: 65.18 ng
RT: 9.22 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BG024128.D
Acq: 24 Sep 2016 17:45

Tgt Ion:	82	Resp:	365915
Ion	Ratio	Lower	Upper
82	100		
128	32.8	24.4	36.6
54	49.7	41.4	62.0



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

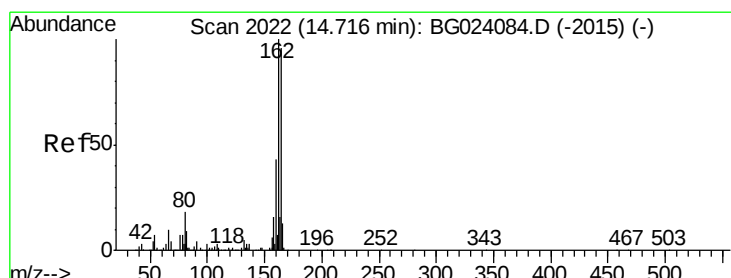
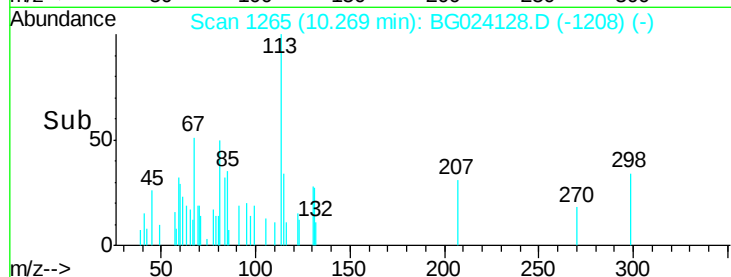
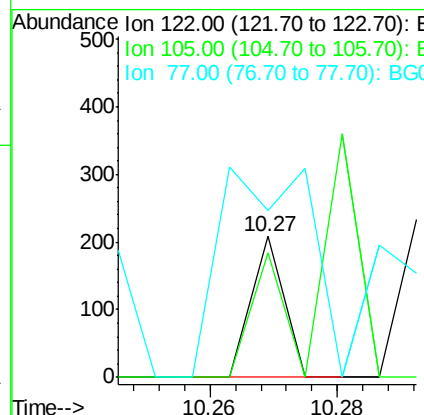
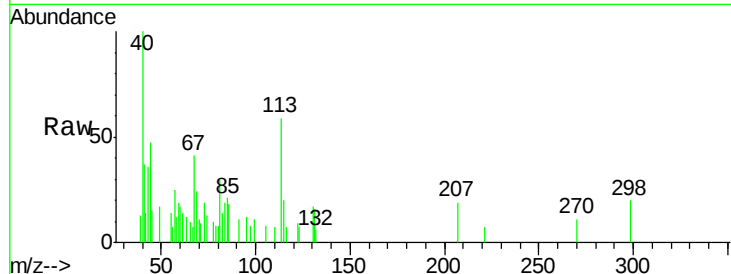




#32
Benzoic acid
Concen: 2.18 ng
RT: 10.27 min Scan# 1265
Delta R.T. 0.04 min
Lab File: BG024128.D
Acq: 24 Sep 2016 17:45

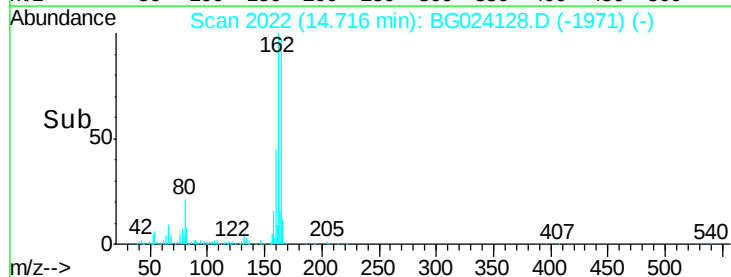
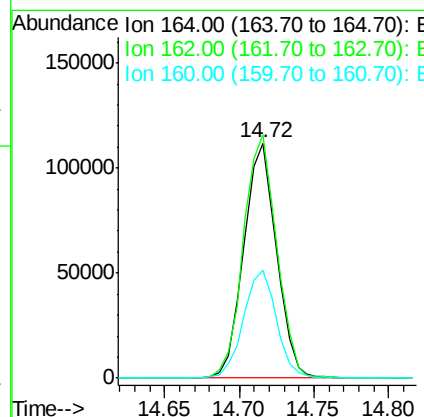
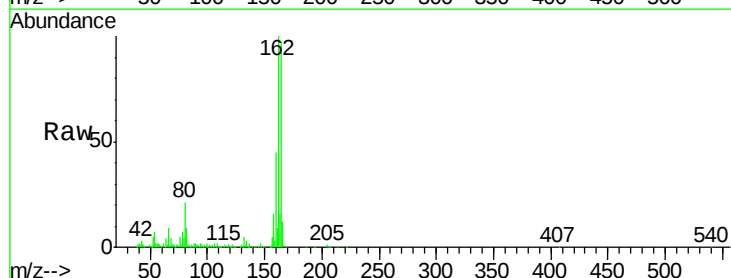
Instrument :
BNA_G
ClientSampled :
WATER

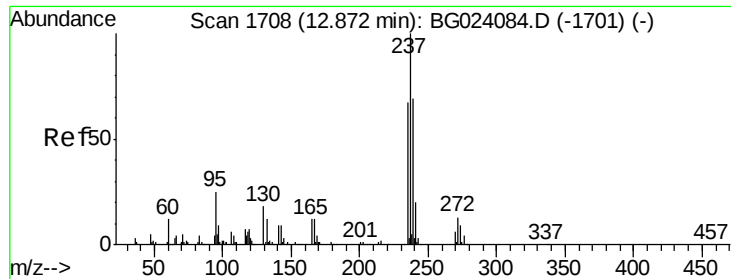
Tgt Ion	Ratio	Lower	Upper
122	100		
105	88.9	117.2	157.2
77	118.3	109.2	149.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.72 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BG024128.D
Acq: 24 Sep 2016 17:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	87.7	131.5
160	46.2	37.2	55.8

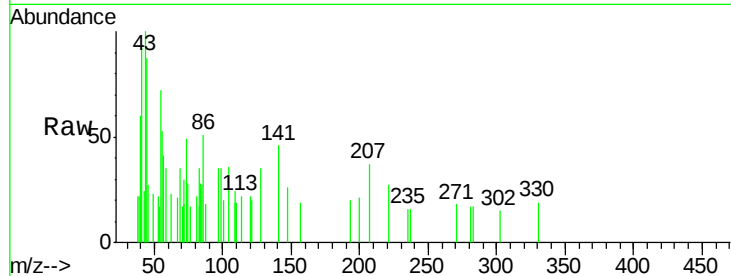




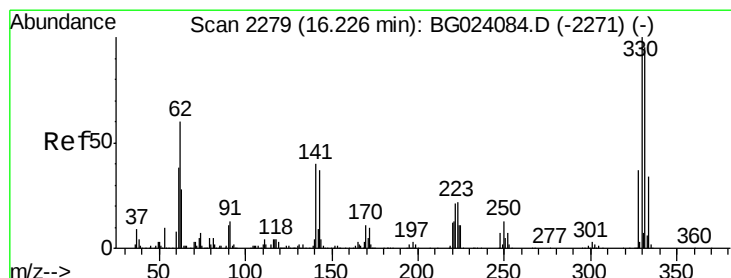
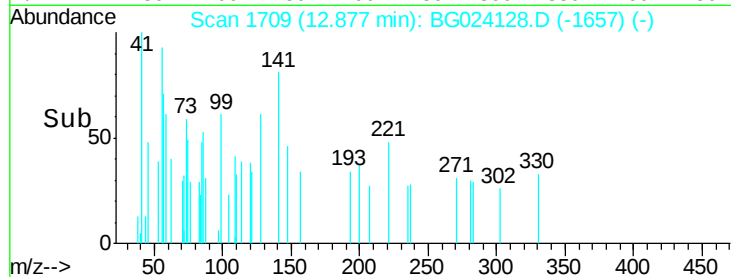
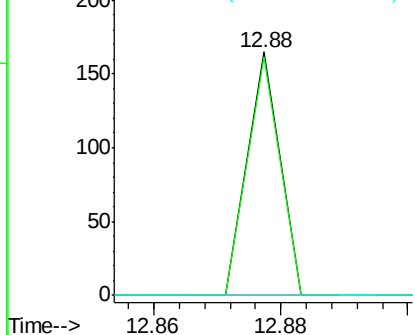
#40
Hexachlorocyclopentadiene
Concen: 3.61 ng
RT: 12.88 min Scan# 1709
Delta R.T. 0.01 min
Lab File: BG024128.D
Acq: 24 Sep 2016 17:45

Instrument :
BNA_G
ClientSampleId :
WATER

Tgt Ion: 237 Resp: 58
Ion Ratio Lower Upper
237 100
235 98.2 43.1 83.1#
272 0.0 0.0 30.9

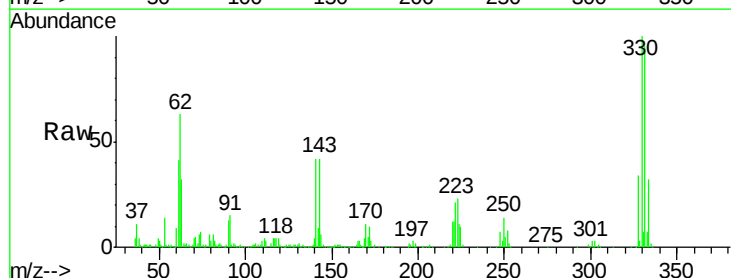


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

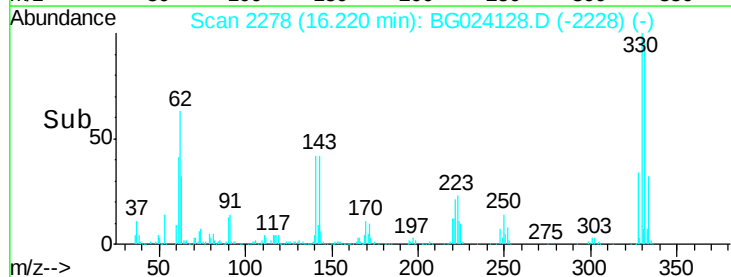
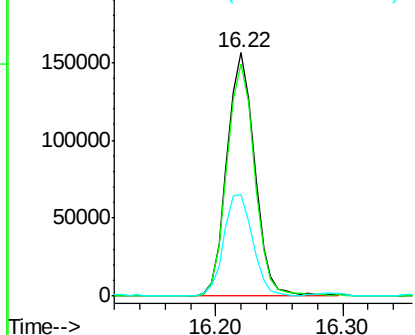


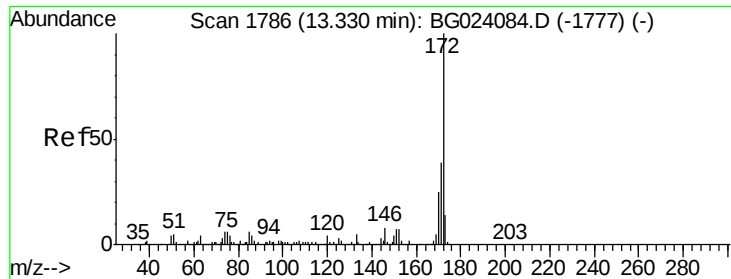
#41
2,4,6-Tribromophenol
Concen: 97.03 ng
RT: 16.22 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BG024128.D
Acq: 24 Sep 2016 17:45

Tgt Ion: 330 Resp: 237306
Ion Ratio Lower Upper
330 100
332 95.5 77.4 116.2
141 43.5 31.7 47.5



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

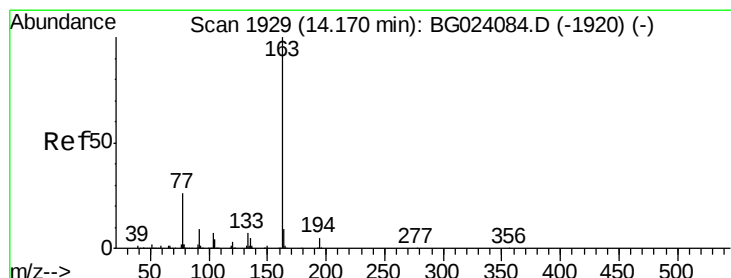
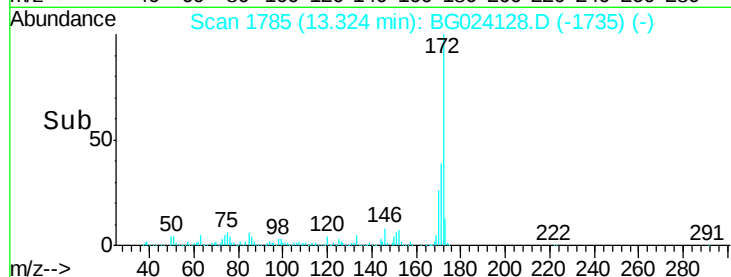
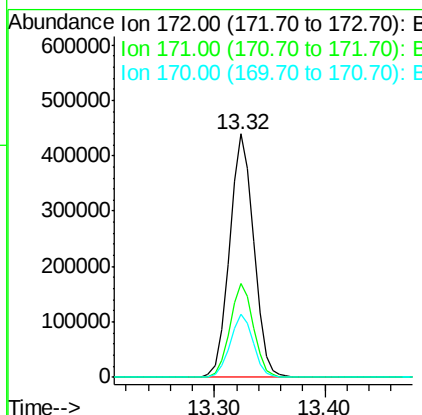
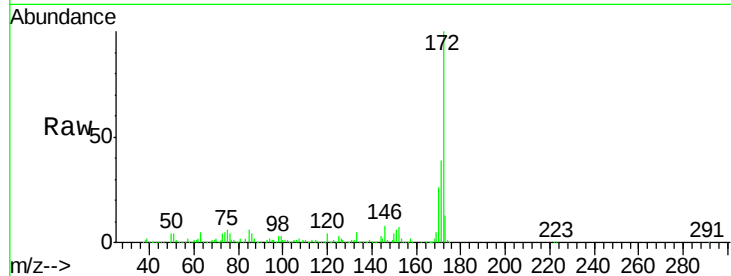




#44
2-Fluorobiphenyl
Concen: 66.76 ng
RT: 13.32 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BG024128.D
Acq: 24 Sep 2016 17:45

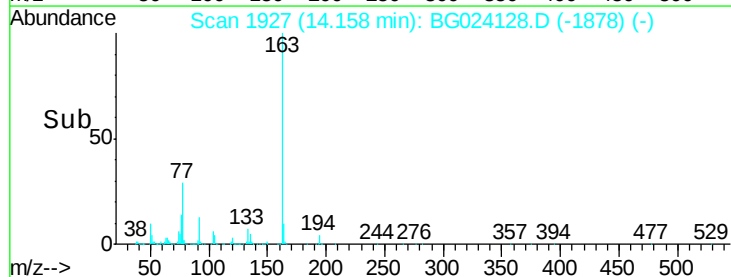
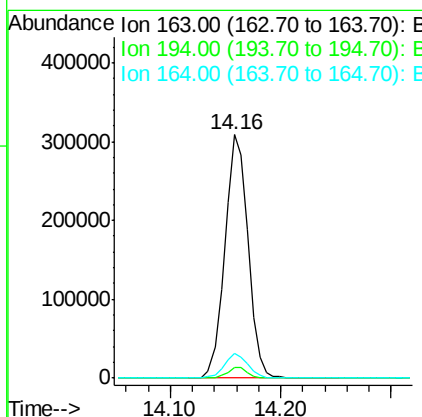
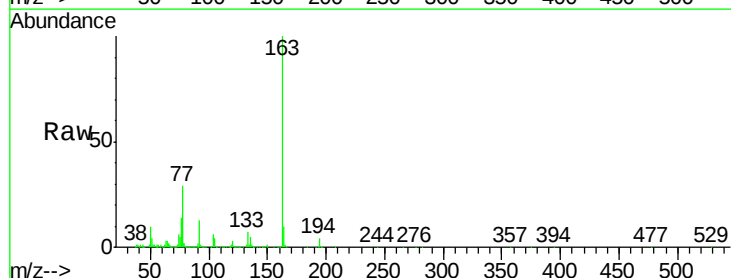
Instrument :
BNA_G
ClientSampleId :
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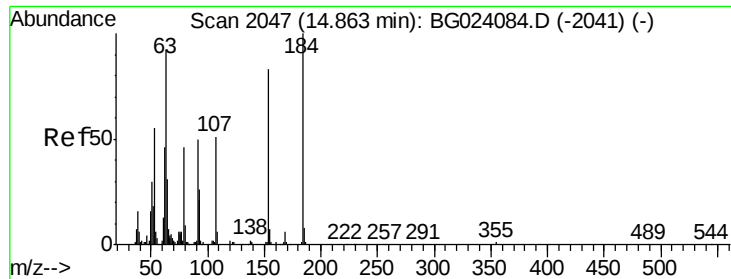
Tgt Ion:172 Resp: 675820
Ion Ratio Lower Upper
172 100
171 38.6 31.6 47.4
170 25.9 21.3 31.9



#49
Dimethylphthalate
Concen: 34.76 ng
RT: 14.16 min Scan# 1927
Delta R.T. -0.01 min
Lab File: BG024128.D
Acq: 24 Sep 2016 17:45

Tgt Ion:163 Resp: 453678
Ion Ratio Lower Upper
163 100
194 4.3 3.6 5.4
164 10.2 8.1 12.1

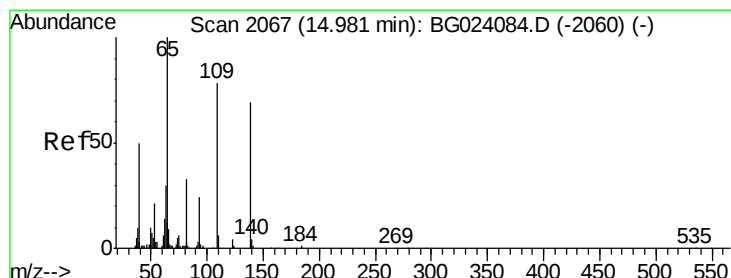
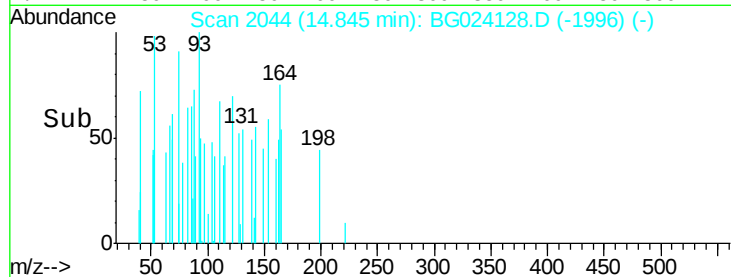
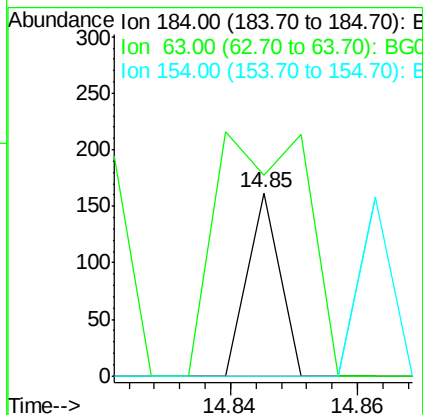
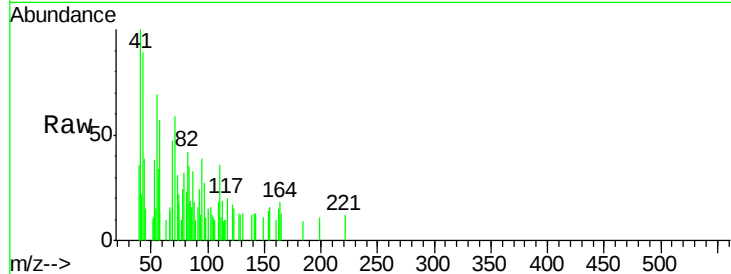




#53
2,4-Dinitrophenol
Concen: 2.49 ng
RT: 14.85 min Scan# 2044
Delta R.T. -0.02 min
Lab File: BG024128.D
Acq: 24 Sep 2016 17:45

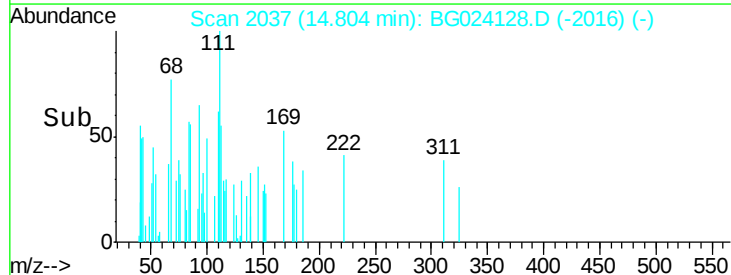
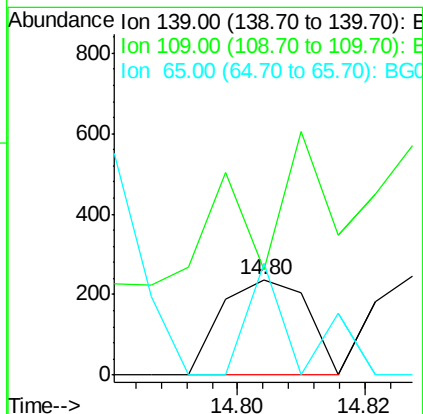
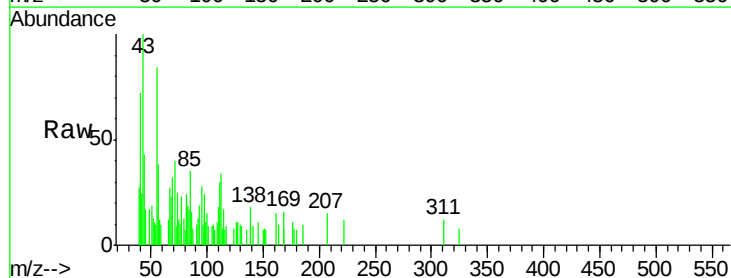
Instrument :
BNA_G
ClientSampleId :
WATER

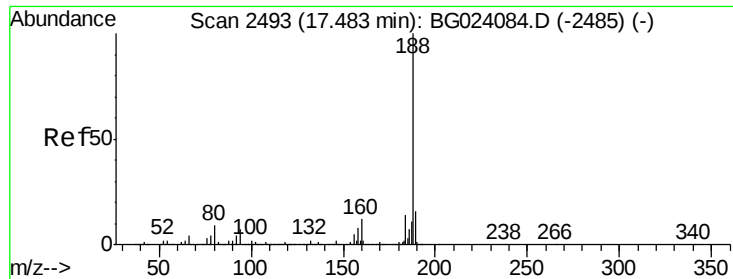
Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 109.3 59.6 89.4#
154 0.0 67.4 101.0#



#55
4-Nitrophenol
Concen: 5.44 ng
RT: 14.80 min Scan# 2037
Delta R.T. -0.18 min
Lab File: BG024128.D
Acq: 24 Sep 2016 17:45

Tgt Ion:139 Resp: 223
Ion Ratio Lower Upper
139 100
109 110.1 103.0 143.0
65 117.2 112.7 152.7

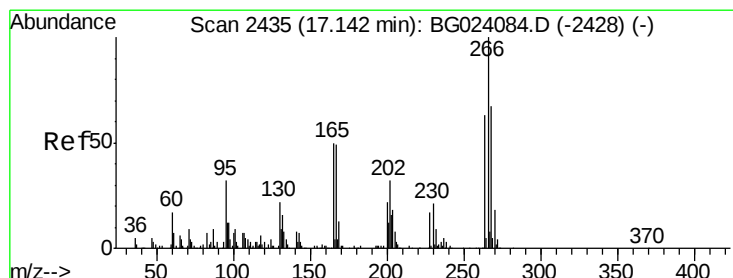
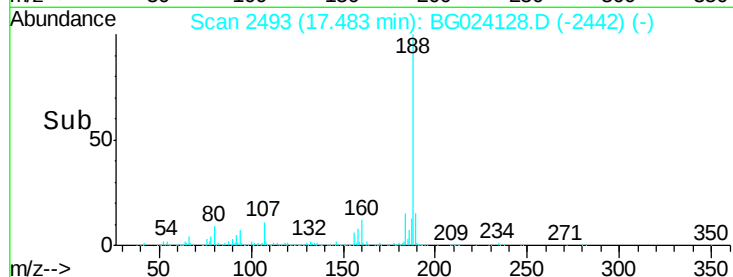
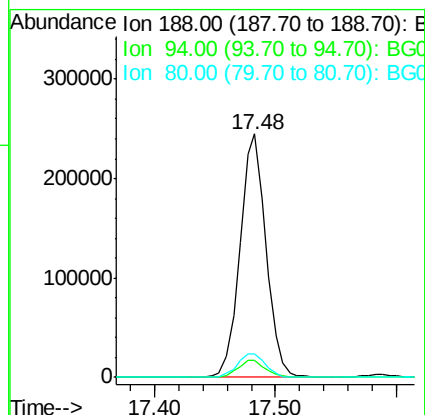
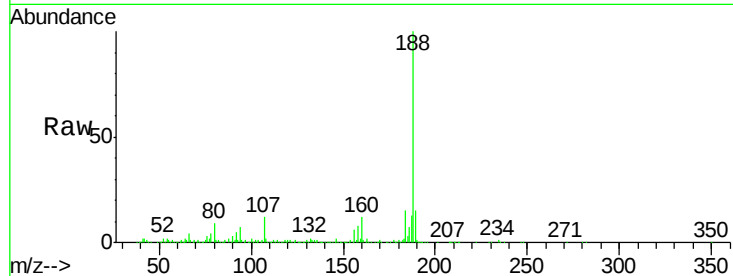




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2493
Delta R.T. -0.00 min
Lab File: BG024128.D
Acq: 24 Sep 2016 17:45

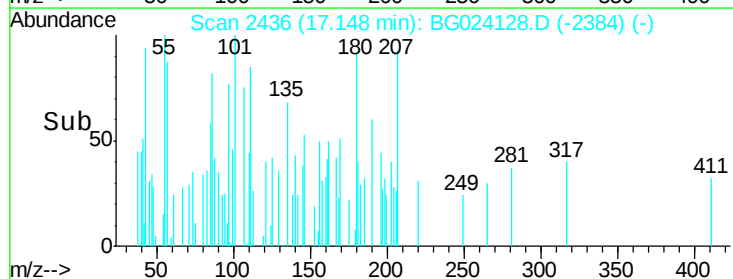
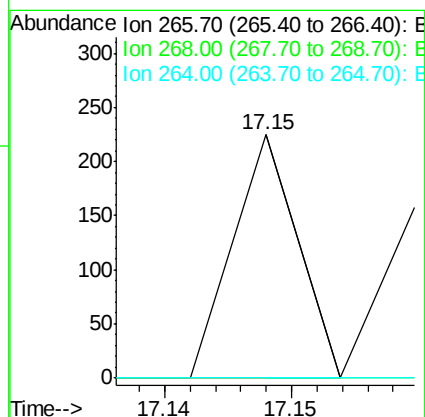
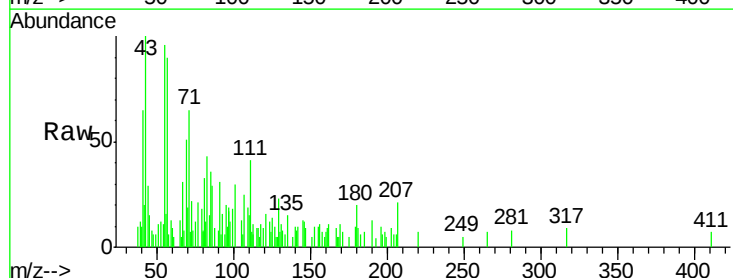
Instrument :
BNA_G
ClientSampleId :
WATER

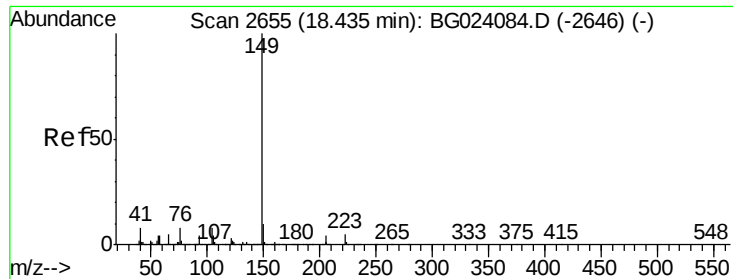
Tgt Ion:188 Resp: 367401
Ion Ratio Lower Upper
188 100
94 7.0 5.2 7.8
80 9.4 7.2 10.8



#69
Pentachlorophenol
Concen: 3.59 ng
RT: 17.15 min Scan# 2436
Delta R.T. 0.01 min
Lab File: BG024128.D
Acq: 24 Sep 2016 17:45

Tgt Ion:266 Resp: 79
Ion Ratio Lower Upper
266 100
268 0.0 51.9 77.9#
264 0.0 50.6 75.8#





#73

Di-n-butylphthalate

Concen: 2.61 ng

RT: 18.43 min Scan# 2654

Delta R.T. -0.01 min

Lab File: BG024128.D

Acq: 24 Sep 2016 17:45

Instrument :

BNA_G

ClientSampleId :

WATER

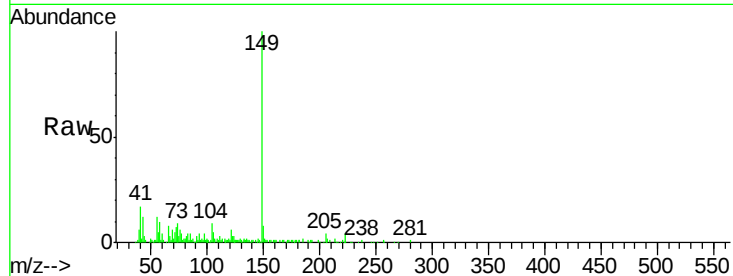
Tgt Ion:149 Resp: 61171

Ion Ratio Lower Upper

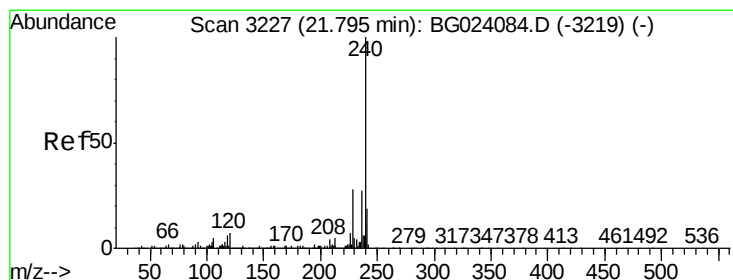
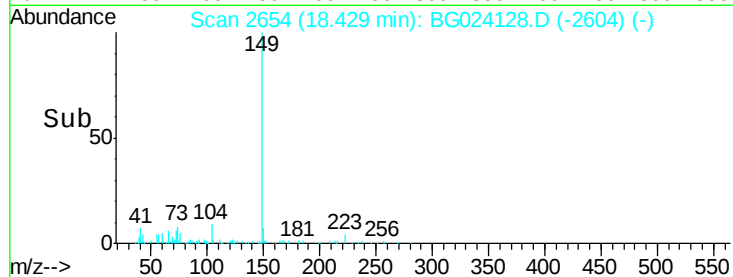
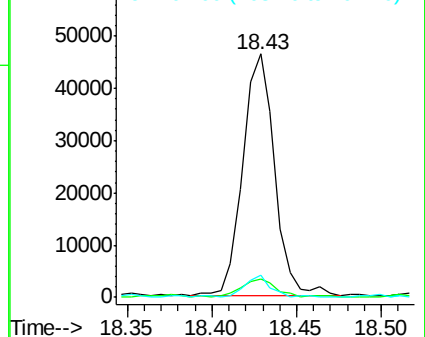
149 100

150 7.8 9.1 13.7#

104 9.1 6.9 10.3



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.79 min Scan# 3226

Delta R.T. -0.01 min

Lab File: BG024128.D

Acq: 24 Sep 2016 17:45

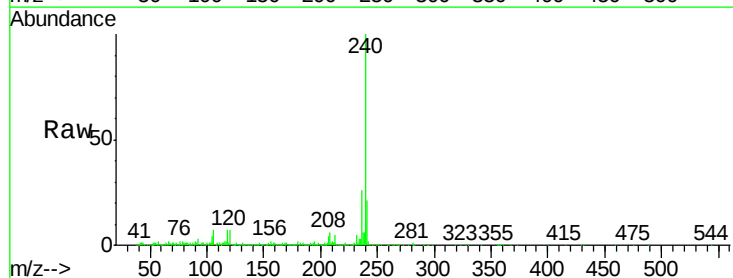
Tgt Ion:240 Resp: 423163

Ion Ratio Lower Upper

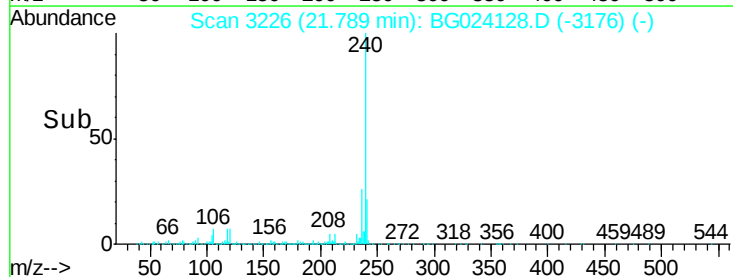
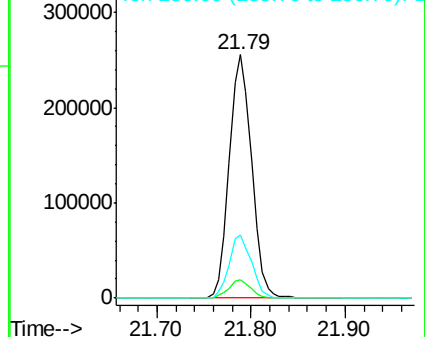
240 100

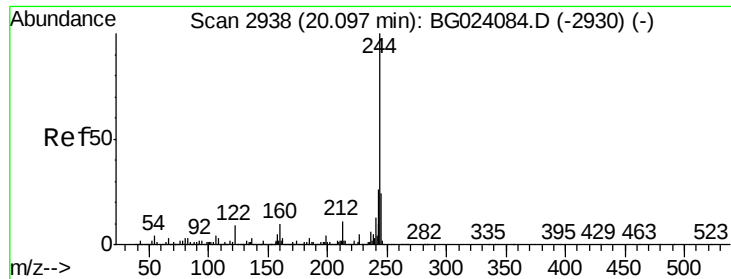
120 7.4 4.1 6.1#

236 25.8 21.1 31.7



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: 18.91 ng

RT: 20.09 min Scan# 2937

Delta R.T. -0.01 min

Lab File: BG024128.D

Acq: 24 Sep 2016 17:45

Instrument :

BNA_G

ClientSampleId :

WATER

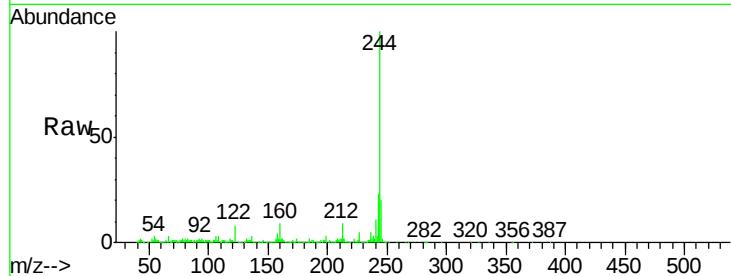
Tgt Ion:244 Resp: 390708

Ion Ratio Lower Upper

244 100

212 9.1 10.8 16.2#

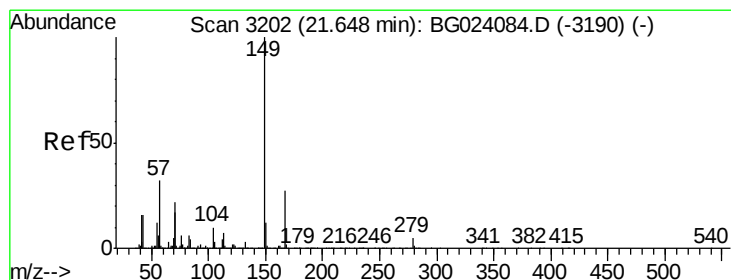
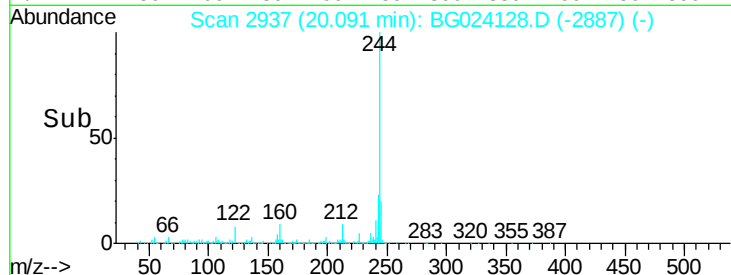
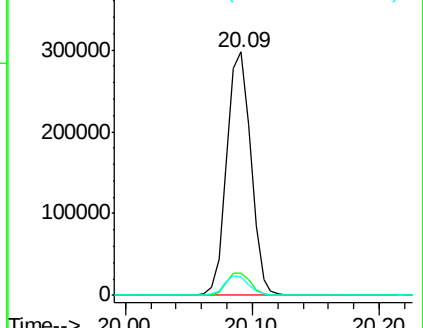
122 7.5 8.0 12.0#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.92 ng

RT: 21.61 min Scan# 3195

Delta R.T. -0.04 min

Lab File: BG024128.D

Acq: 24 Sep 2016 17:45

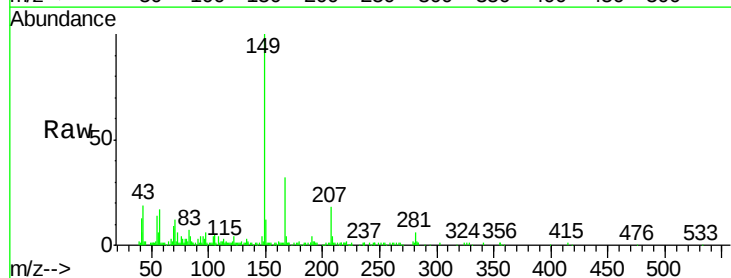
Tgt Ion:149 Resp: 63903

Ion Ratio Lower Upper

149 100

167 31.7 24.0 36.0

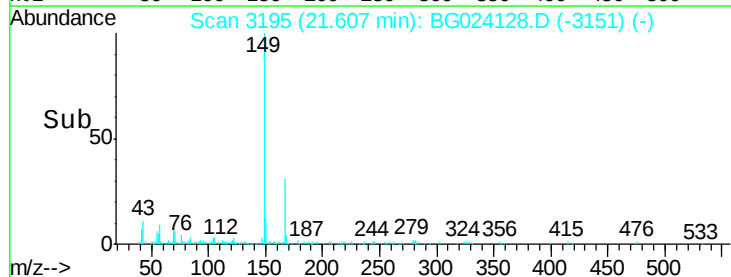
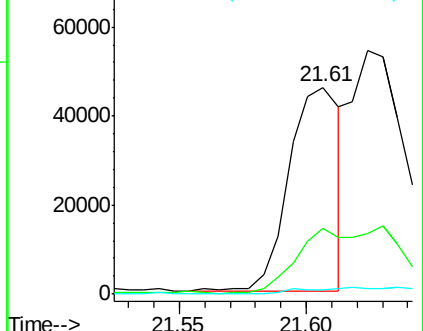
279 1.8 4.8 7.2#

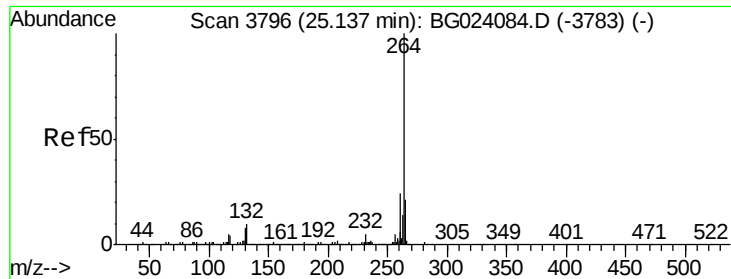


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

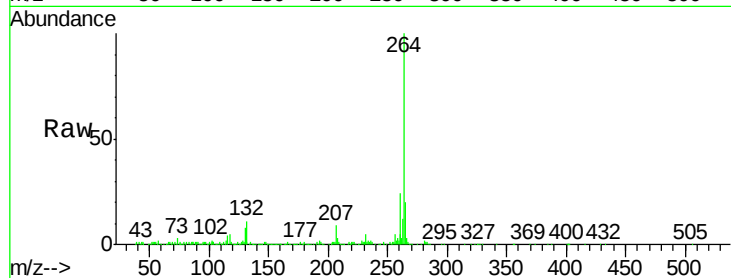




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.13 min Scan# 3794
Delta R.T. -0.01 min
Lab File: BG024128.D
Acq: 24 Sep 2016 17:45

Instrument :
BNA_G
ClientSampleId :
WATER

Tgt Ion:	264	Resp:	419502
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	19.9	18.9	28.3



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

