

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090616\
 Data File : BG023954.D
 Acq On : 6 Sep 2016 19:28
 Operator : UM/SJ
 Sample : H4687-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

Quant Time: Sep 07 00:43:47 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 31 20:05:47 2016
 Response via : Initial Calibration

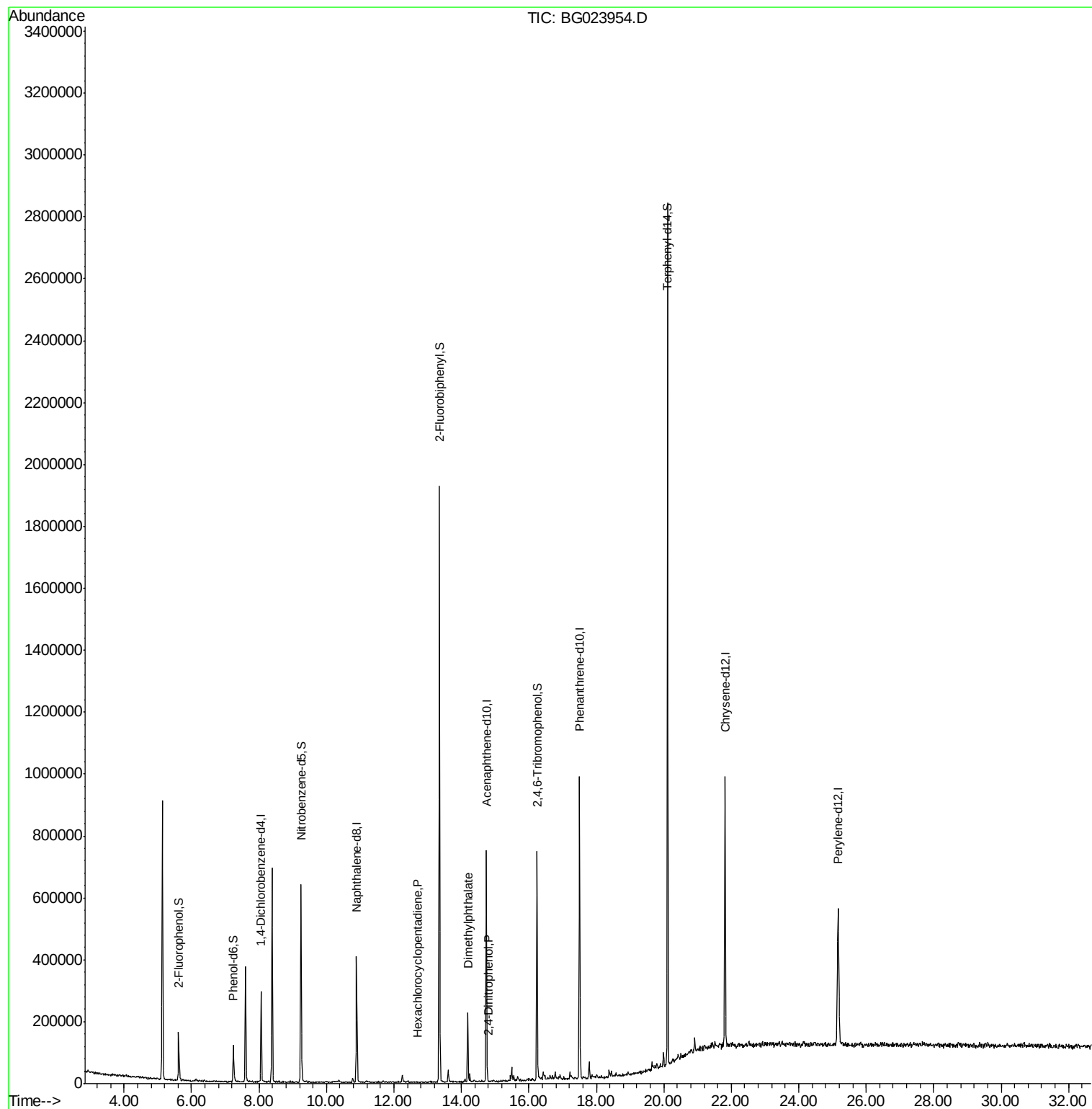
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	69505	20.00	ng	-0.02
21) Naphthalene-d8	10.89	136	316260	20.00	ng	-0.04
38) Acenaphthene-d10	14.74	164	245833	20.00	ng	-0.02
63) Phenanthrene-d10	17.50	188	593472	20.00	ng	-0.02
75) Chrysene-d12	21.81	240	539102	20.00	ng	-0.03
86) Perylene-d12	25.17	264	557041	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	67226	16.98	ng	-0.02
7) Phenol-d6	7.24	99	68464	11.23	ng	-0.02
23) Nitrobenzene-d5	9.24	82	413413	58.36	ng	-0.03
41) 2,4,6-Tribromophenol	16.24	330	134057	30.27	ng	-0.02
44) 2-Fluorobiphenyl	13.35	172	927785	54.11	ng	-0.02
78) Terphenyl-d14	20.11	244	1144073	48.33	ng	-0.02
Target Compounds						
40) Hexachlorocyclopentadiene	12.70	237	69	7.09	ng	# 26
49) Dimethylphthalate	14.19	163	132072	6.27	ng	# 99
53) 2,4-Dinitrophenol	14.79	184	56	6.53	ng	# 10

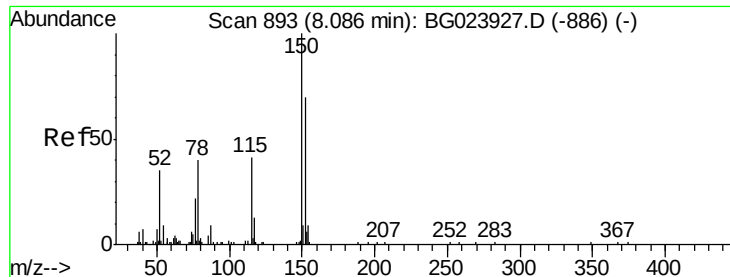
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.06 min Scan# 889

Delta R.T. -0.02 min

Lab File: BG023954.D

Acq: 6 Sep 2016 19:28

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

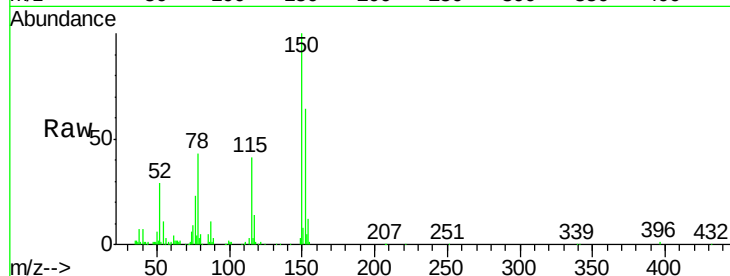
Tgt Ion:152 Resp: 69505

Ion Ratio Lower Upper

152 100

150 155.8 144.7 217.1

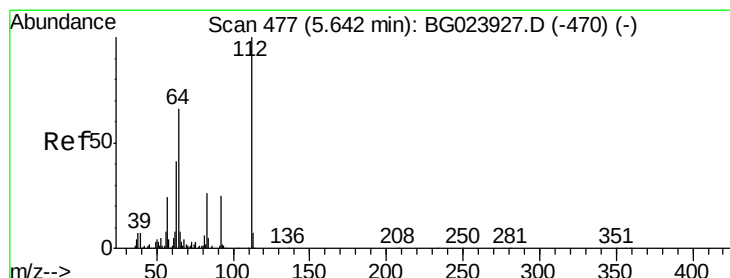
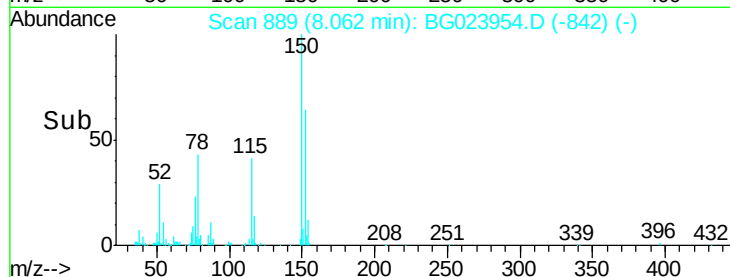
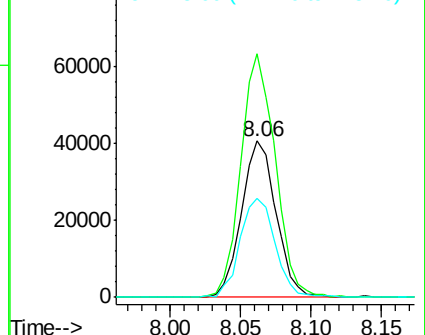
115 63.5 64.0 96.0#



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: 16.98 ng

RT: 5.62 min Scan# 473

Delta R.T. -0.02 min

Lab File: BG023954.D

Acq: 6 Sep 2016 19:28

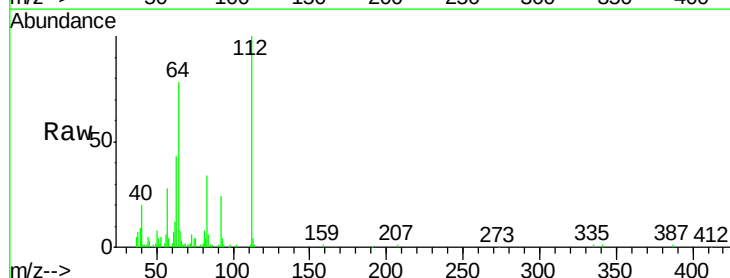
Tgt Ion:112 Resp: 67226

Ion Ratio Lower Upper

112 100

64 78.3 59.0 88.4

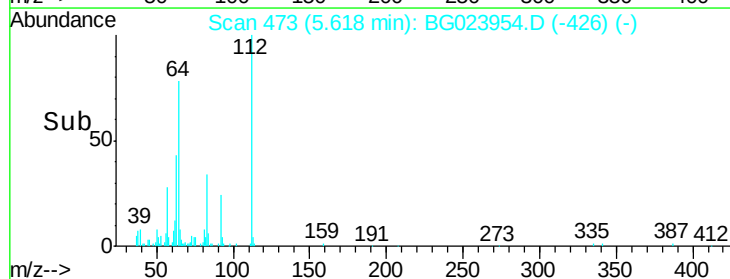
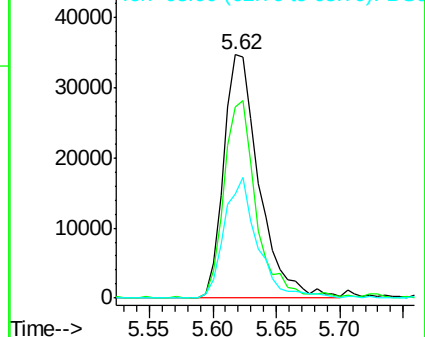
63 42.8 37.8 56.8

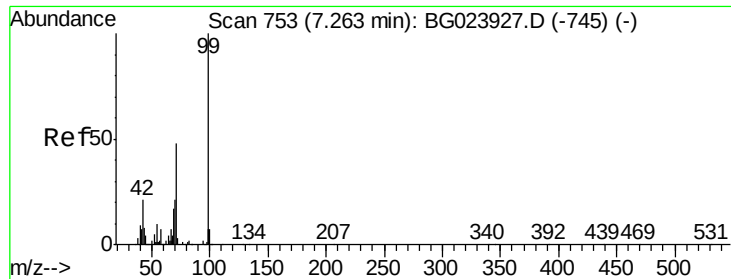


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 11.23 ng

RT: 7.24 min Scan# 749

Delta R.T. -0.02 min

Lab File: BG023954.D

Acq: 6 Sep 2016 19:28

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

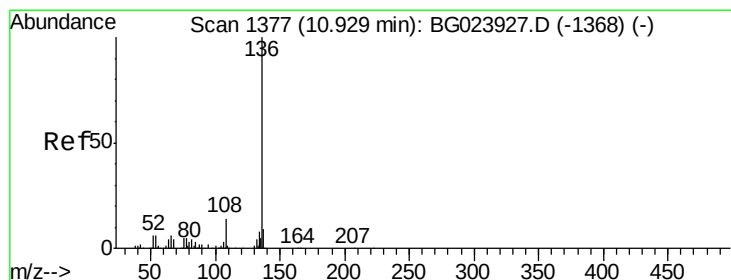
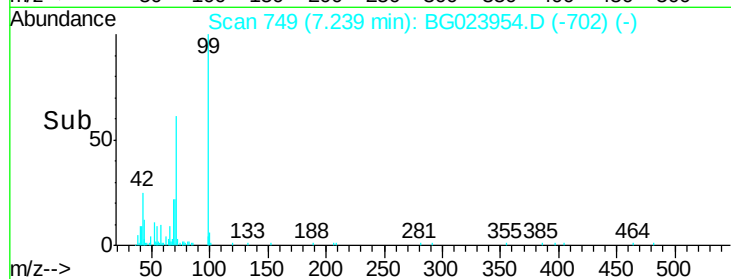
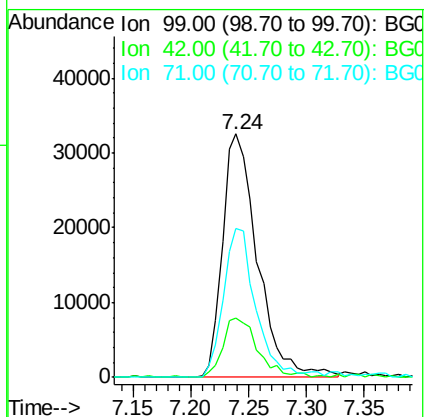
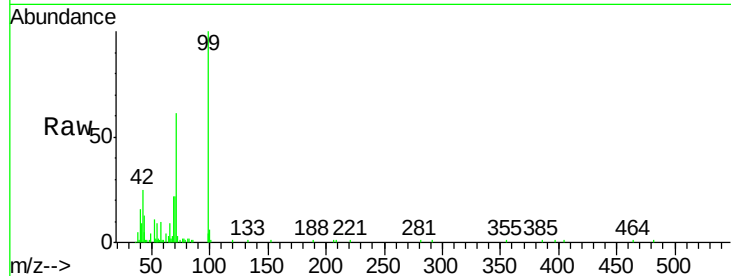
Tgt Ion: 99 Resp: 68464

Ion Ratio Lower Upper

99 100

42 24.5 17.8 26.6

71 61.2 41.5 62.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.89 min Scan# 1371

Delta R.T. -0.04 min

Lab File: BG023954.D

Acq: 6 Sep 2016 19:28

Tgt Ion: 136 Resp: 316260

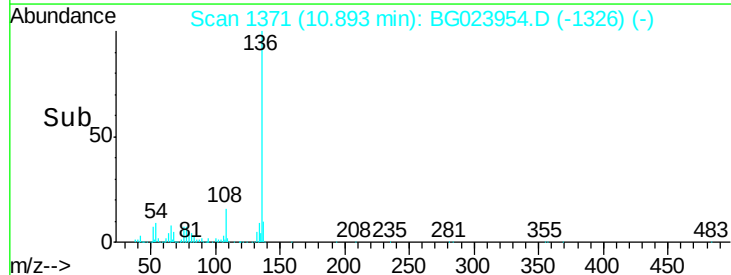
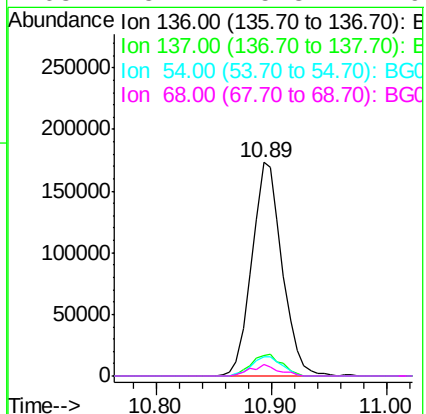
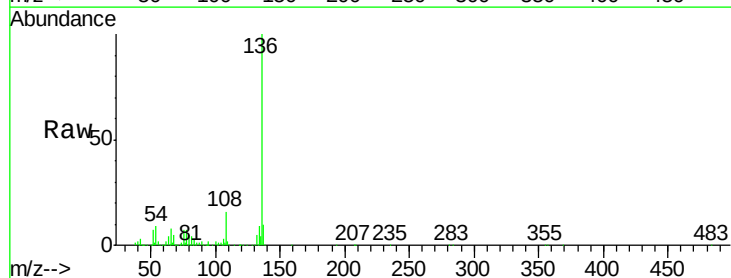
Ion Ratio Lower Upper

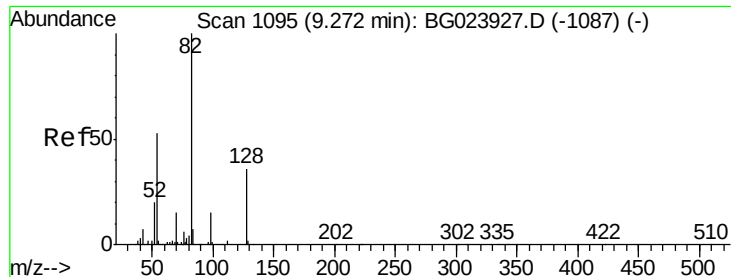
136 100

137 9.8 9.6 14.4

54 8.7 7.3 10.9

68 5.2 5.3 7.9#

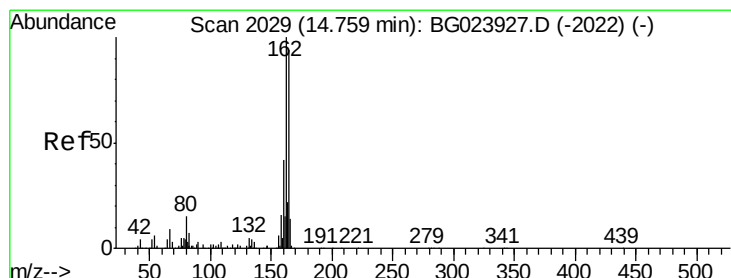
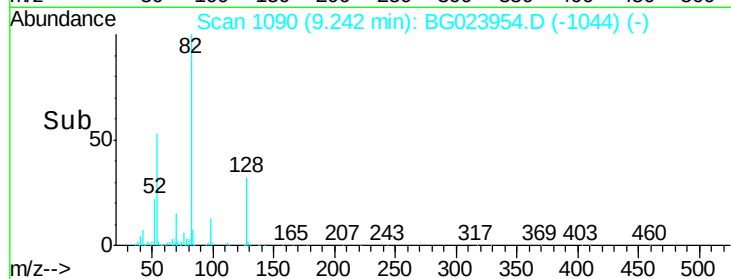
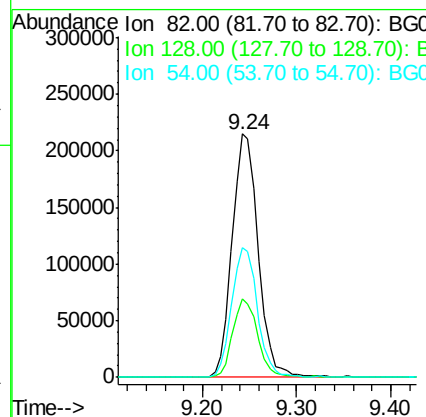
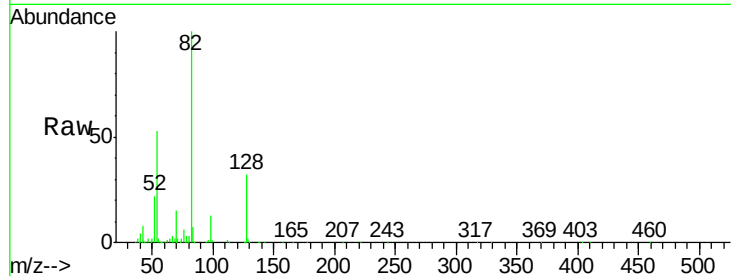




#23
 Nitrobenzene-d5
 Concen: 58.36 ng
 RT: 9.24 min Scan# 1090
 Delta R.T. -0.03 min
 Lab File: BG023954.D
 Acq: 6 Sep 2016 19:28

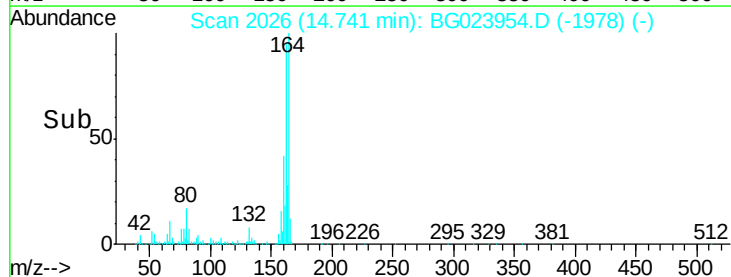
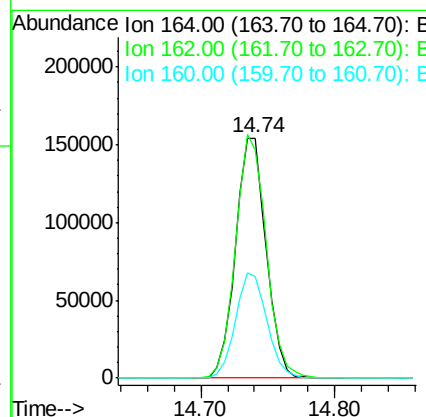
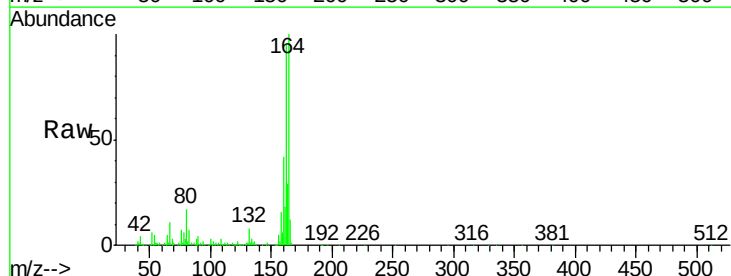
Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

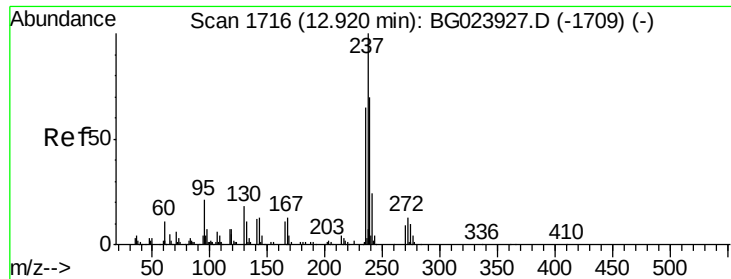
Tgt Ion	Ratio	Lower	Upper
82	100		
128	32.5	24.4	36.6
54	53.4	41.4	62.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.74 min Scan# 2026
 Delta R.T. -0.02 min
 Lab File: BG023954.D
 Acq: 6 Sep 2016 19:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.2	87.7	131.5
160	42.3	37.2	55.8





#40

Hexachlorocyclopentadiene

Concen: 7.09 ng

RT: 12.70 min Scan# 1679

Delta R.T. -0.22 min

Lab File: BG023954.D

Acq: 6 Sep 2016 19:28

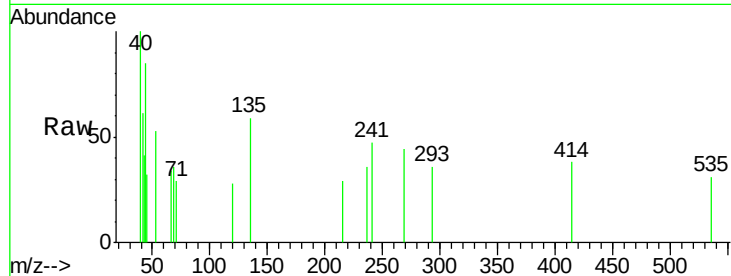
Instrument :

BNA_G

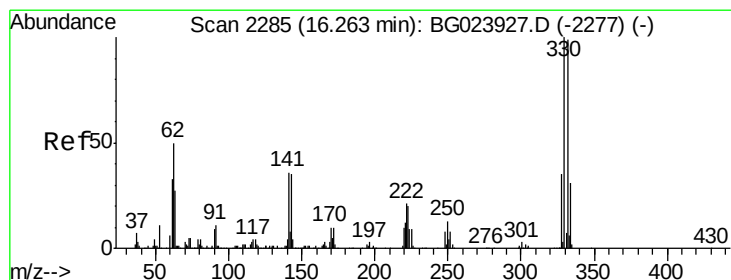
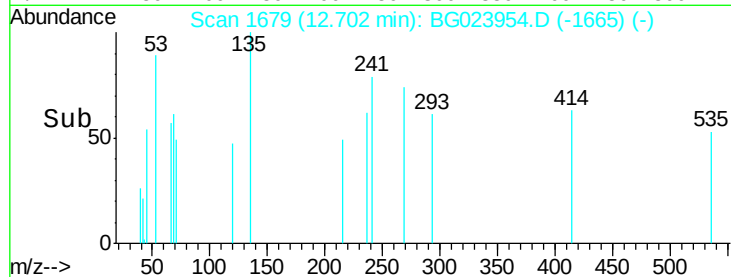
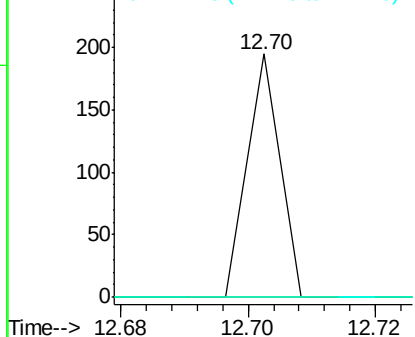
ClientSampleId :

GROUNDWATER

Tgt Ion:	237	Resp:	69
Ion	Ratio	Lower	Upper
237	100		
235	0.0	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: 30.27 ng

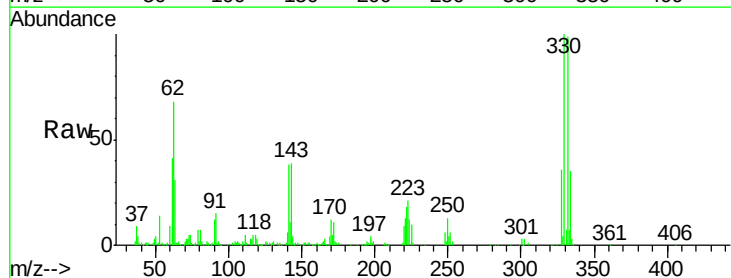
RT: 16.24 min Scan# 2281

Delta R.T. -0.02 min

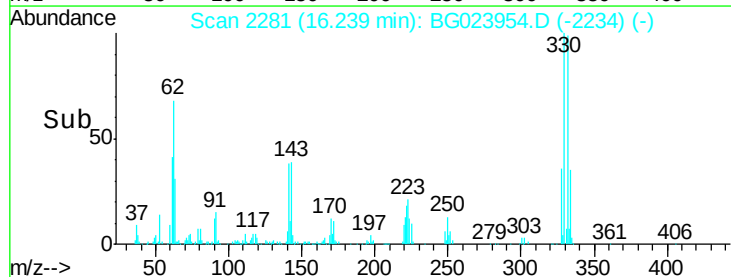
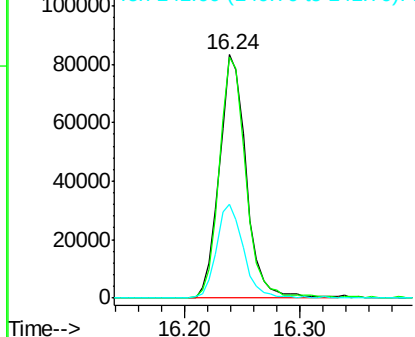
Lab File: BG023954.D

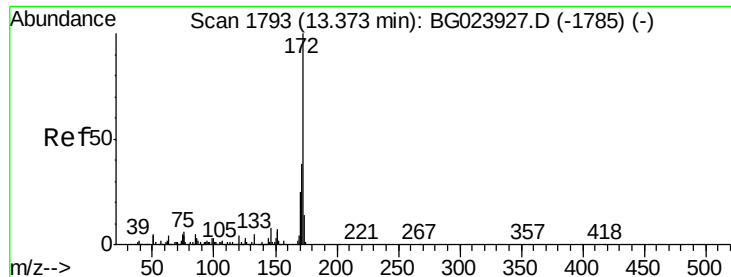
Acq: 6 Sep 2016 19:28

Tgt Ion:	330	Resp:	134057
Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.4	116.2
141	38.5	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: 54.11 ng

RT: 13.35 min Scan# 1789

Delta R.T. -0.02 min

Lab File: BG023954.D

Acq: 6 Sep 2016 19:28

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

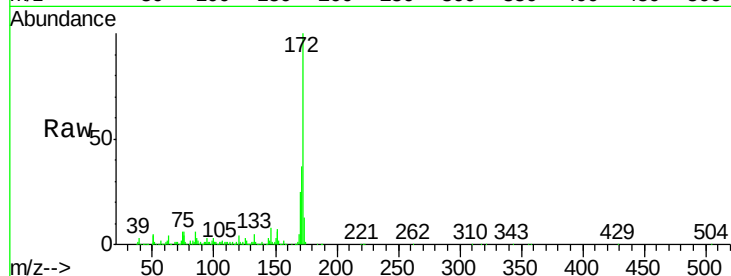
Tgt Ion:172 Resp: 927785

Ion Ratio Lower Upper

172 100

171 36.7 31.6 47.4

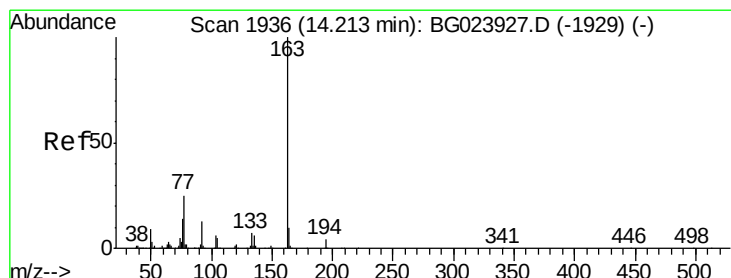
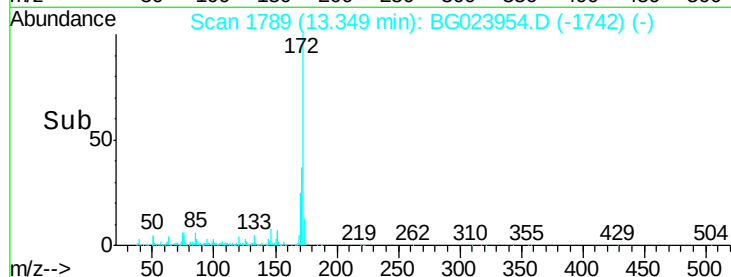
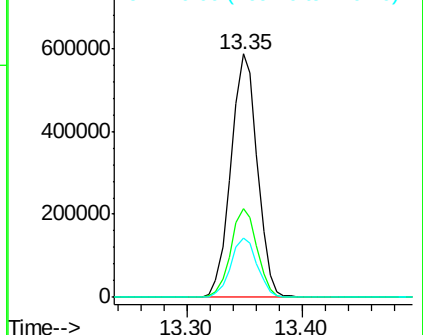
170 24.5 21.3 31.9



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 6.27 ng

RT: 14.19 min Scan# 1932

Delta R.T. -0.02 min

Lab File: BG023954.D

Acq: 6 Sep 2016 19:28

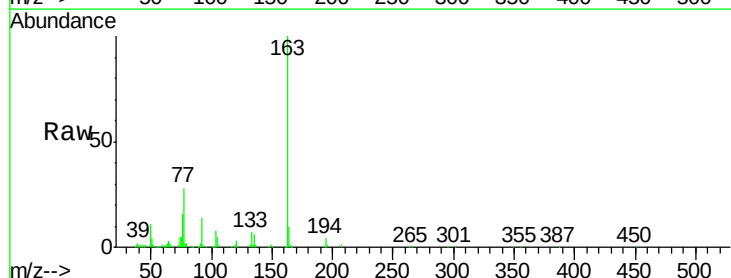
Tgt Ion:163 Resp: 132072

Ion Ratio Lower Upper

163 100

194 3.5 3.6 5.4#

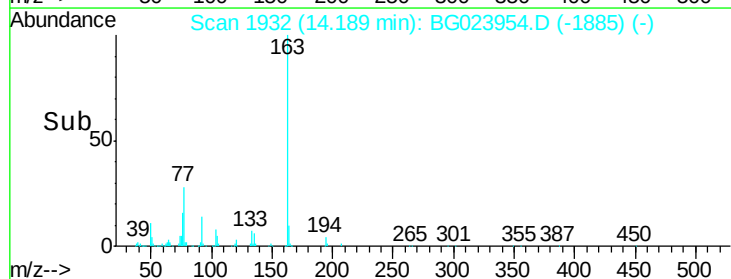
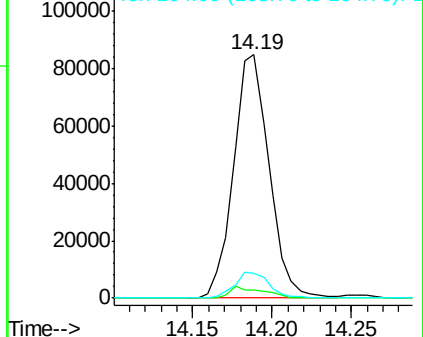
164 10.0 8.1 12.1

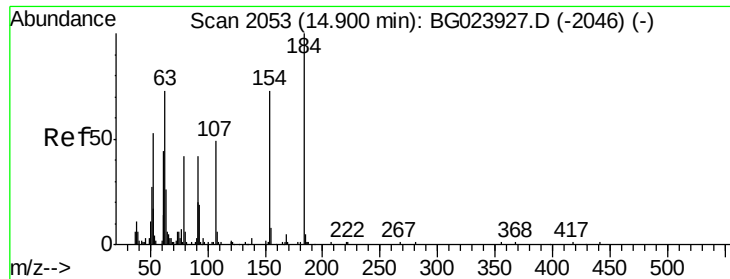


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

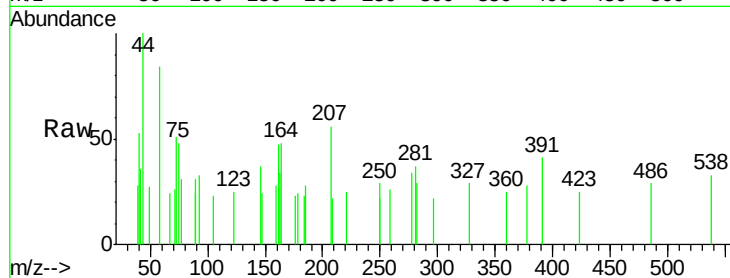




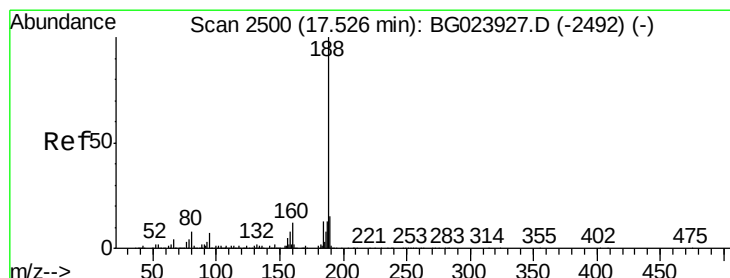
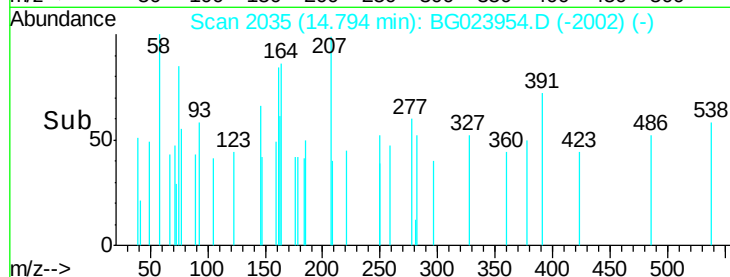
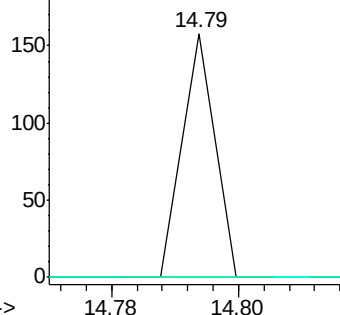
#53
 2,4-Dinitrophenol
 Concen: 6.53 ng
 RT: 14.79 min Scan# 2035
 Delta R.T. -0.11 min
 Lab File: BG023954.D
 Acq: 6 Sep 2016 19:28

Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

Tgt Ion:184 Resp: 56
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.6 89.4#
 154 0.0 67.4 101.0#

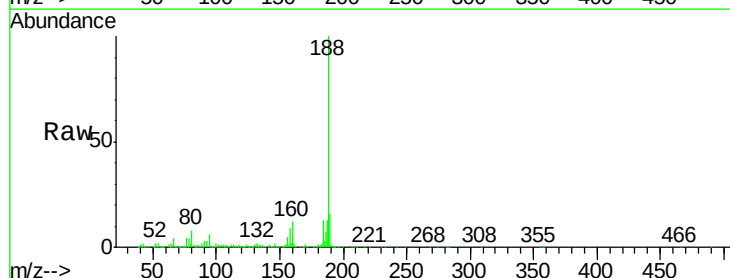


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

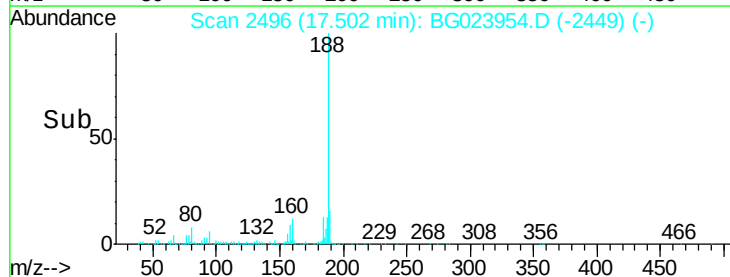
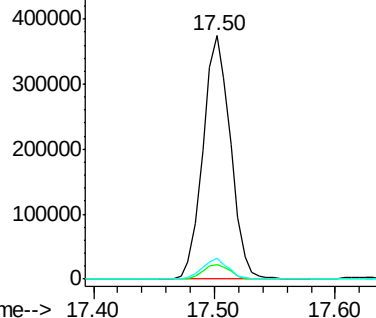


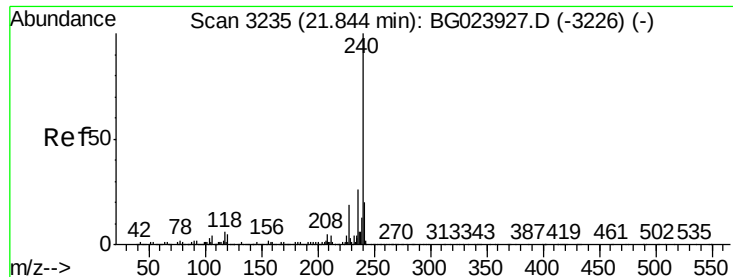
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.50 min Scan# 2496
 Delta R.T. -0.02 min
 Lab File: BG023954.D
 Acq: 6 Sep 2016 19:28

Tgt Ion:188 Resp: 593472
 Ion Ratio Lower Upper
 188 100
 94 6.2 5.2 7.8
 80 8.4 7.2 10.8



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: 20.00 ng

RT: 21.81 min Scan# 3230

Delta R.T. -0.03 min

Lab File: BG023954.D

Acq: 6 Sep 2016 19:28

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

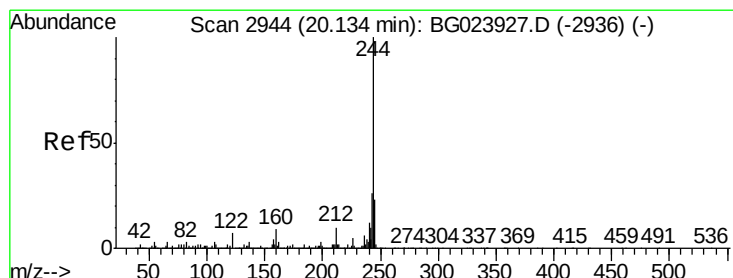
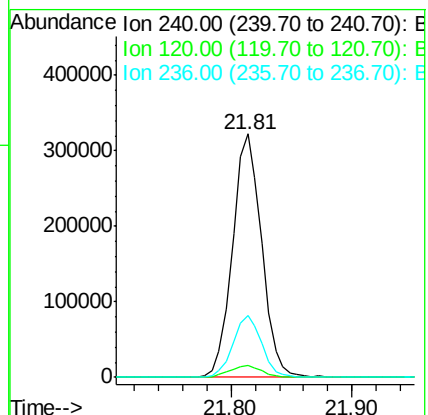
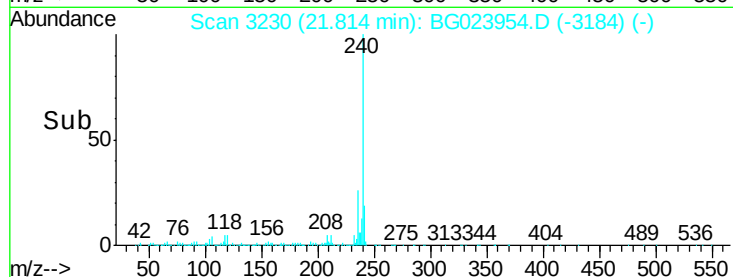
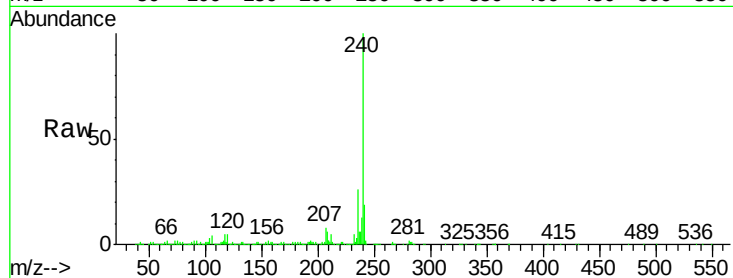
Tgt Ion:240 Resp: 539102

Ion Ratio Lower Upper

240 100

120 5.0 4.1 6.1

236 25.6 21.1 31.7



#78

Terphenyl-d14

Concen: 48.33 ng

RT: 20.11 min Scan# 2940

Delta R.T. -0.02 min

Lab File: BG023954.D

Acq: 6 Sep 2016 19:28

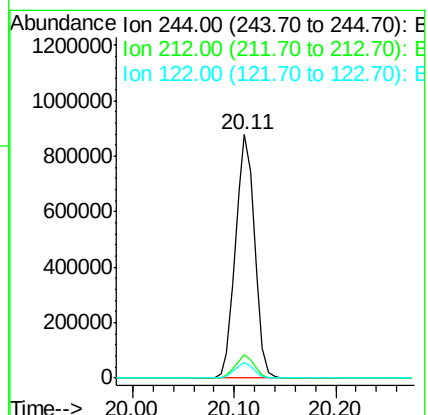
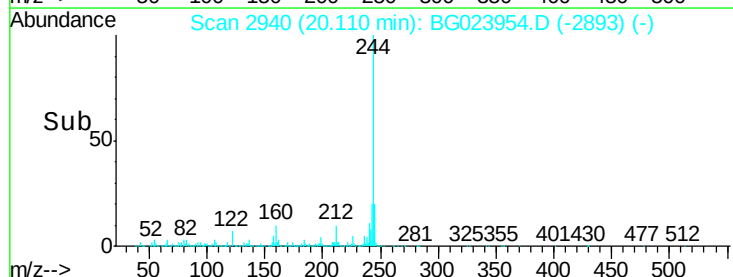
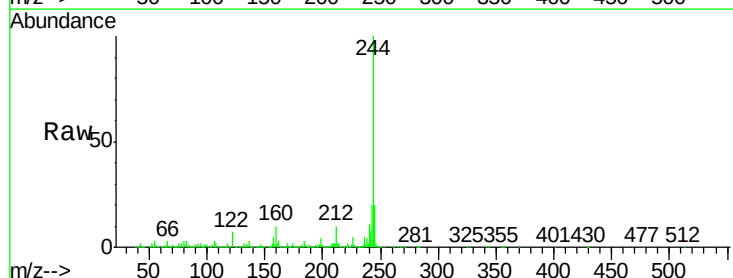
Tgt Ion:244 Resp: 1144073

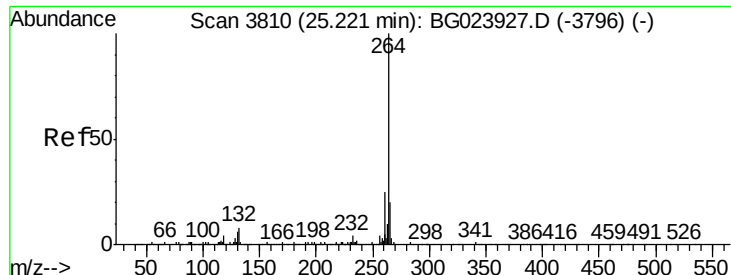
Ion Ratio Lower Upper

244 100

212 9.7 10.8 16.2#

122 6.5 8.0 12.0#





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.17 min Scan# 3801
Delta R.T. -0.05 min
Lab File: BG023954.D
Acq: 6 Sep 2016 19:28

Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.4	27.6
265	20.8	18.9	28.3

