

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
 Data File : BG038801.D
 Acq On : 22 Dec 2018 00:42
 Operator : JU/SJ
 Sample : J6500-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

Quant Time: Dec 22 03:41:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	23548	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	97904	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	71155	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	167320	20.00	ng	0.00
76) Chrysene-d12	21.73	240	138733	20.00	ng	0.00
87) Perylene-d12	25.03	264	160634	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	182058	137.13	ng	0.00
7) Phenol-d6	7.22	99	236361	129.68	ng	0.01
23) Nitrobenzene-d5	9.24	82	180144	94.00	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	161554	164.74	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	511494	98.61	ng	0.00
79) Terphenyl-d14	20.05	244	829872	130.18	ng	0.00

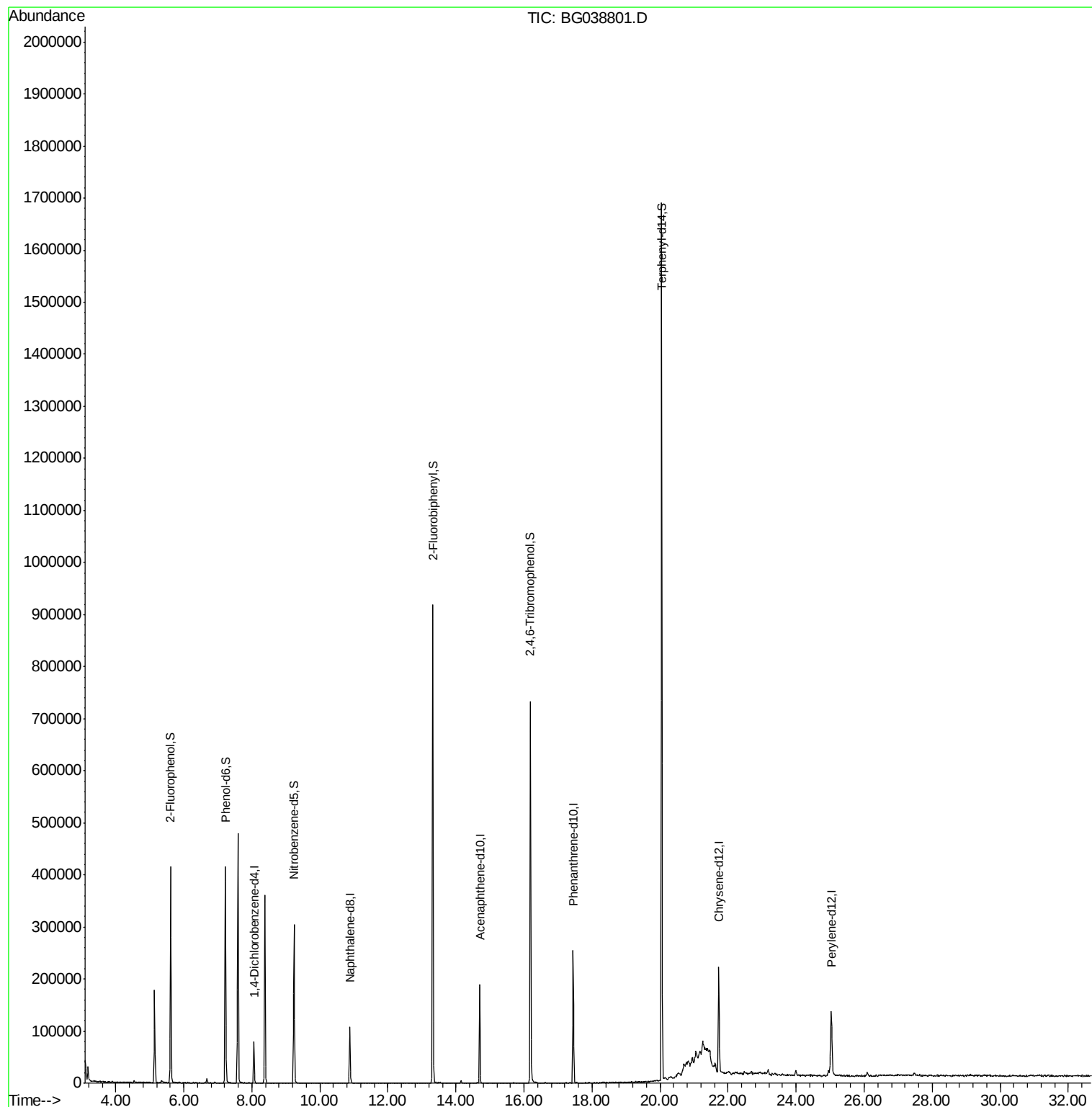
Target Compounds Qvalue

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.06 min Scan# 846

Delta R.T. 0.00 min

Lab File: BG038801.D

Acq: 22 Dec 2018 00:42

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

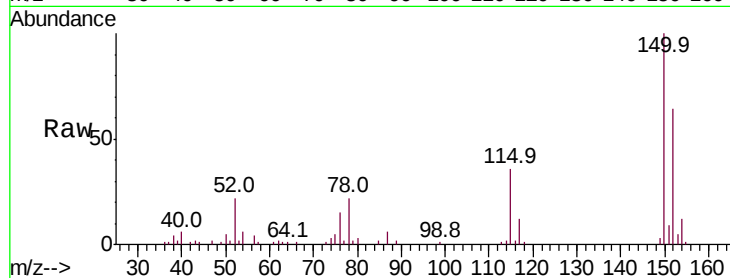
Tot Ion:152 Resp: 23548

Ion Ratio Lower Upper

152 100

150 156.6 119.5 179.3

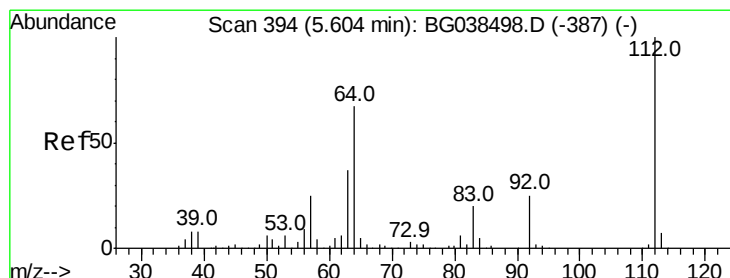
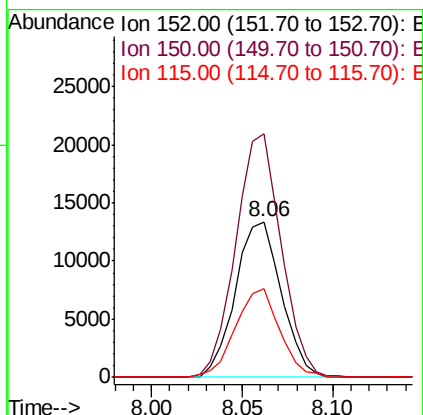
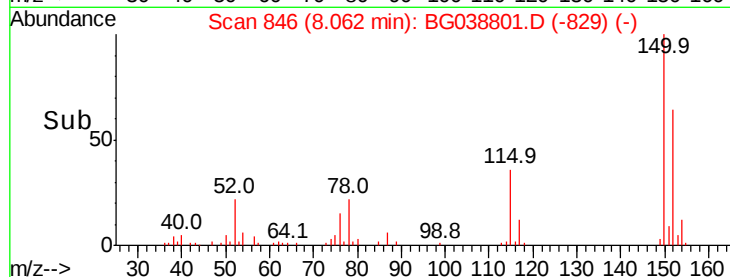
115 57.1 49.6 74.4



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: 137.127 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.01 min

Lab File: BG038801.D

Acq: 22 Dec 2018 00:42

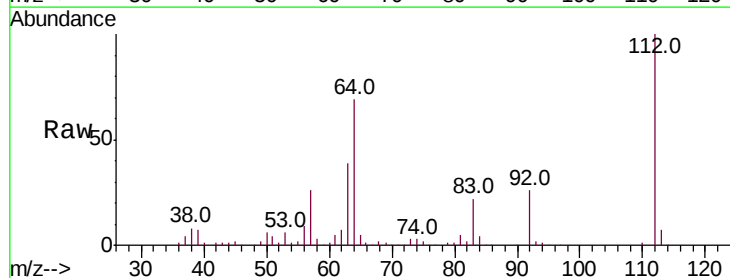
Tgt Ion:112 Resp: 182058

Ion Ratio Lower Upper

112 100

64 69.5 53.4 80.2

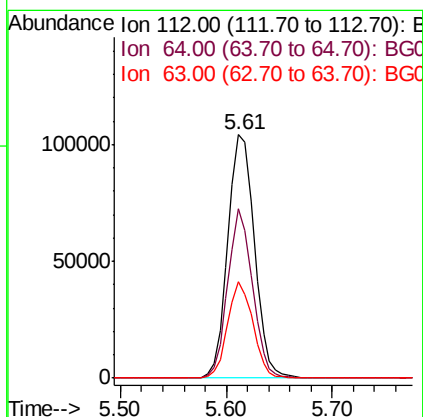
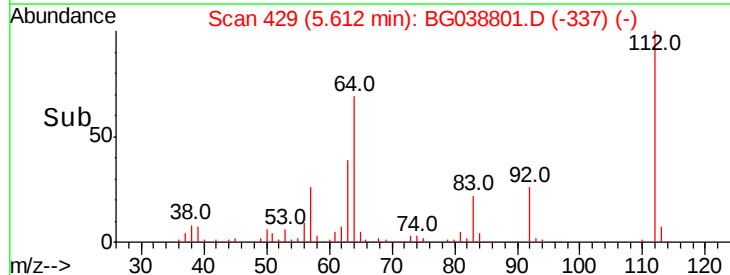
63 39.4 29.3 43.9

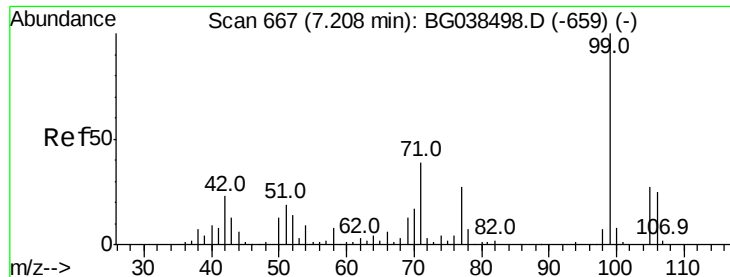


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 129.682 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038801.D

Acq: 22 Dec 2018 00:42

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

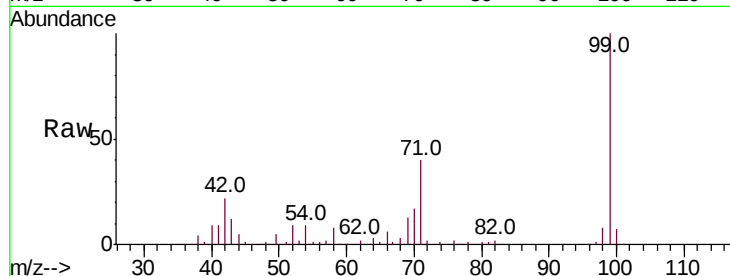
Tot Ion: 99 Resp: 236361

Ion Ratio Lower Upper

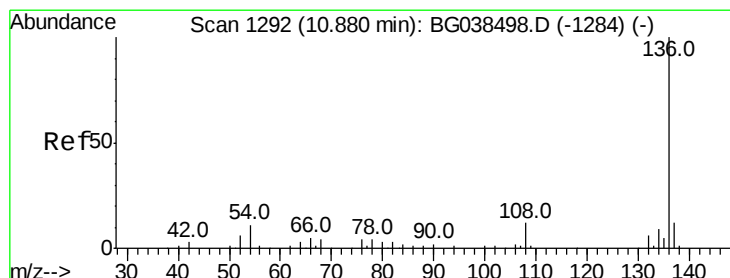
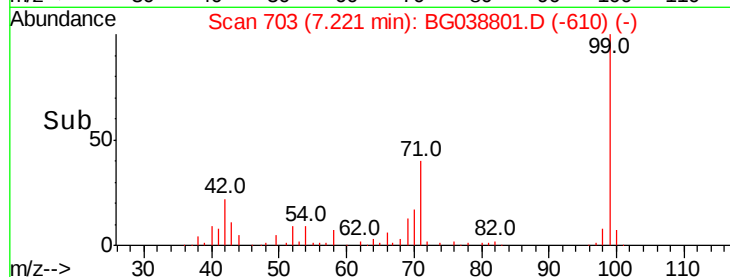
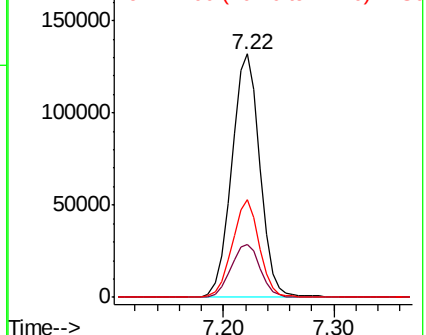
99 100

42 21.7 18.5 27.7

71 40.2 31.1 46.7



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: 20.000 ng

RT: 10.88 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BG038801.D

Acq: 22 Dec 2018 00:42

Tgt Ion: 136 Resp: 97904

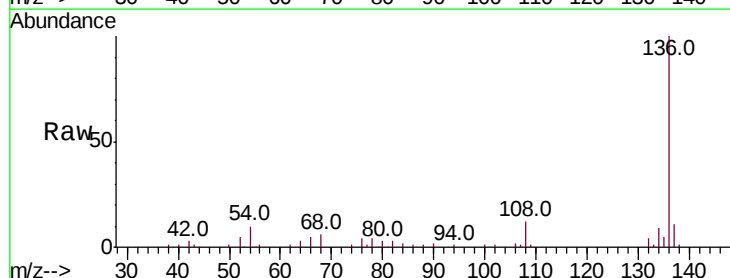
Ion Ratio Lower Upper

136 100

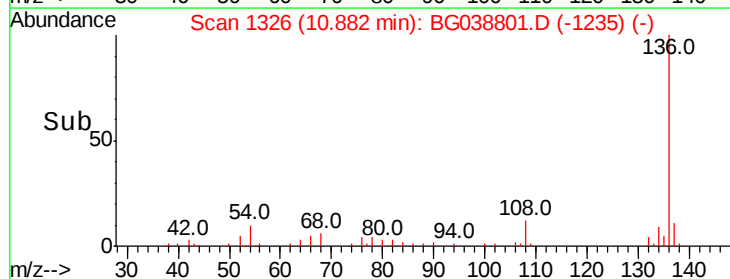
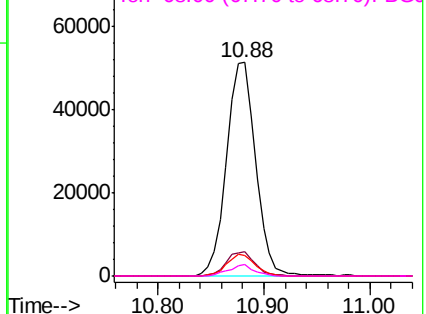
137 11.3 9.3 13.9

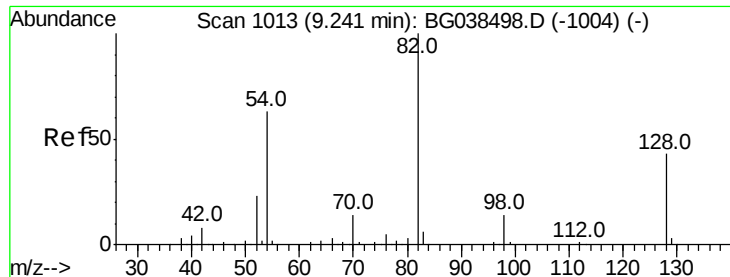
54 9.9 8.5 12.7

68 5.6 3.5 5.3#



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: 94.001 ng

RT: 9.24 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BG038801.D

Acq: 22 Dec 2018 00:42

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

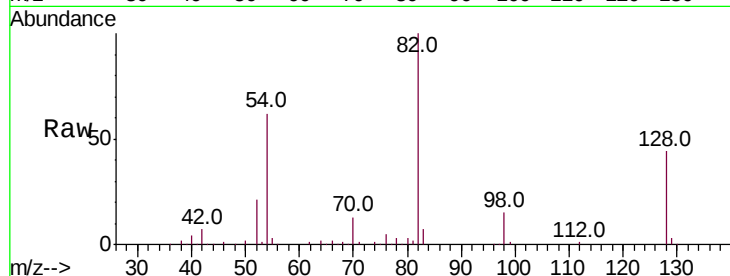
Tot Ion: 82 Resp: 180144

Ion Ratio Lower Upper

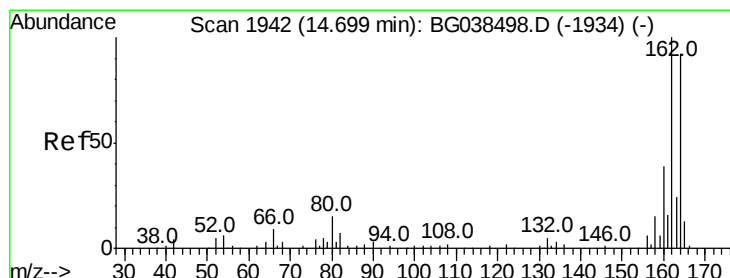
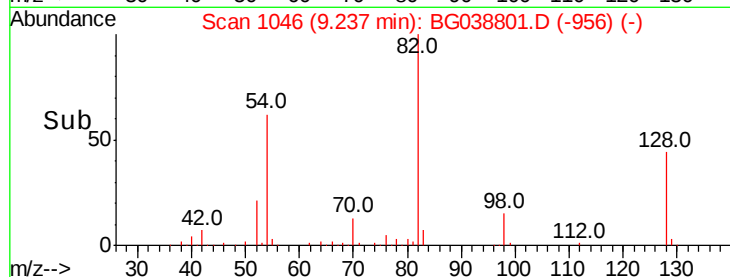
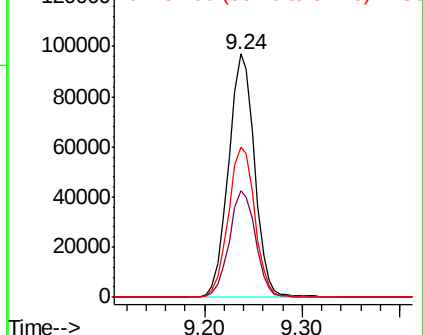
82 100

128 44.0 34.6 52.0

54 61.8 50.6 76.0



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BG038801.D

Acq: 22 Dec 2018 00:42

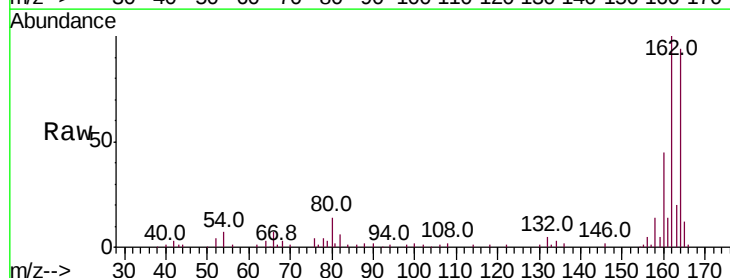
Tgt Ion:164 Resp: 71155

Ion Ratio Lower Upper

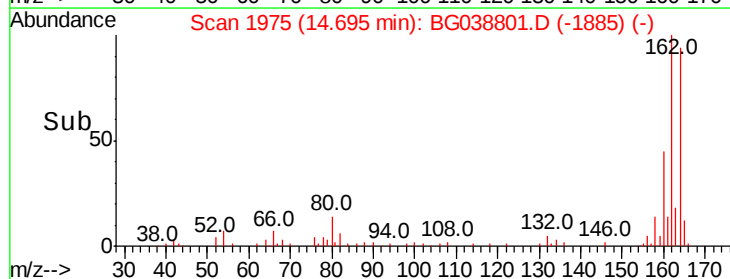
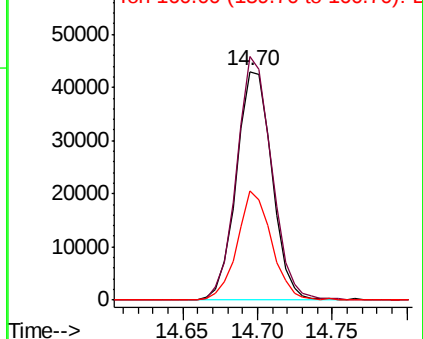
164 100

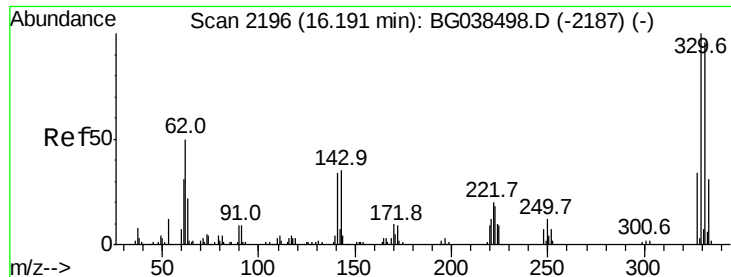
162 106.7 86.6 130.0

160 48.0 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

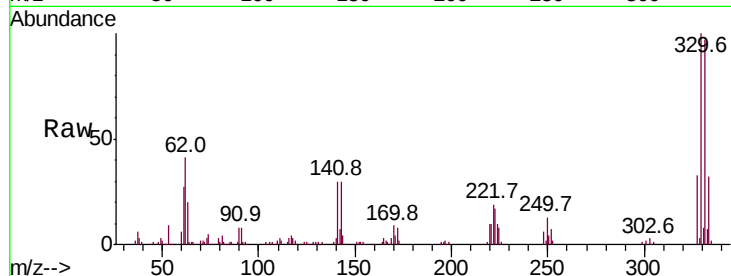




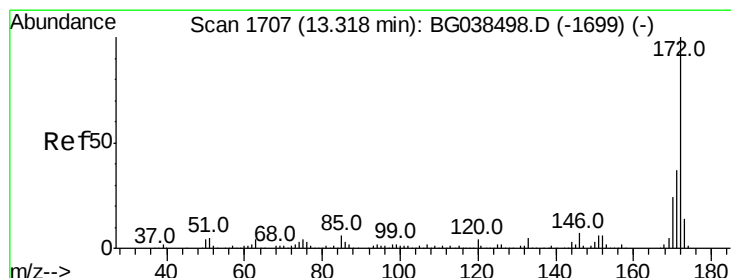
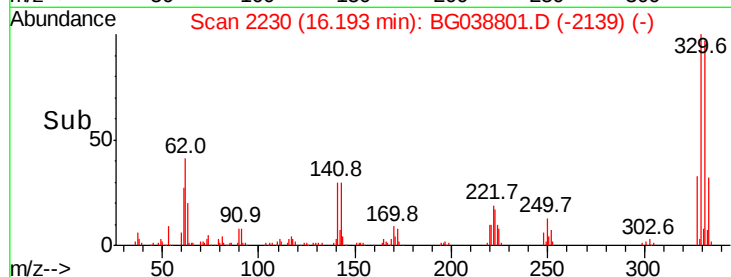
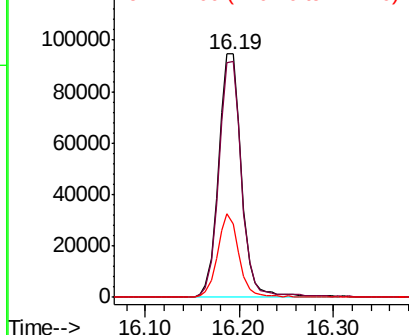
#42
 2,4,6-Tribromophenol
 Concen: 164.743 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. 0.00 min
 Lab File: BG038801.D
 Acq: 22 Dec 2018 00:42

Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.9	115.3
141	31.8	28.8	43.2

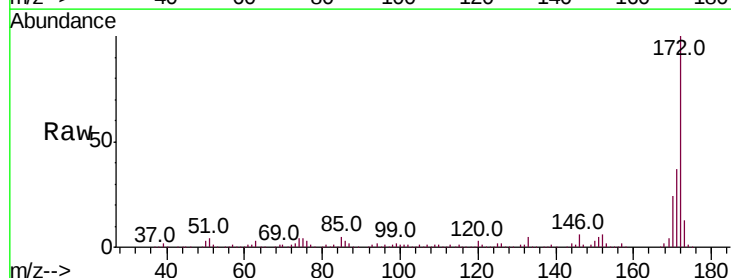


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

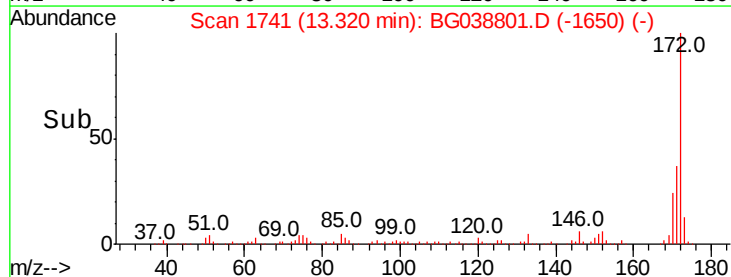
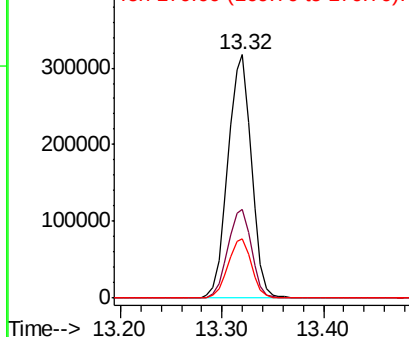


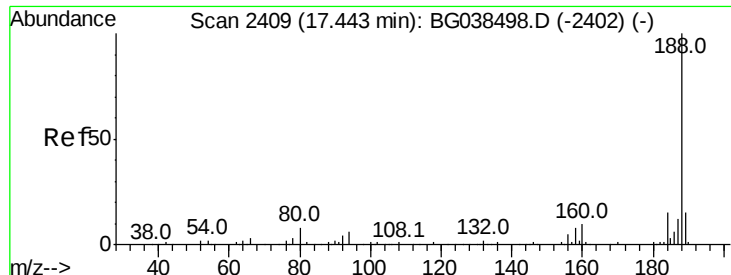
#45
 2-Fluorobiphenyl
 Concen: 98.615 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: BG038801.D
 Acq: 22 Dec 2018 00:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.8	44.6
170	24.3	19.5	29.3



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

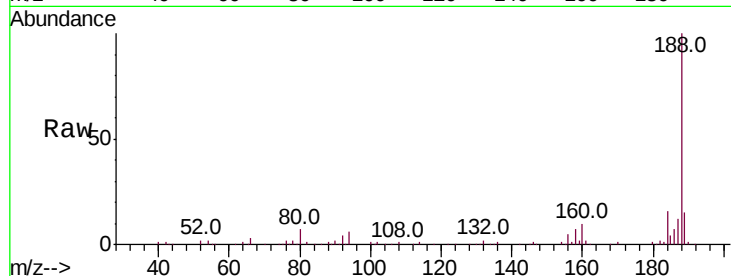




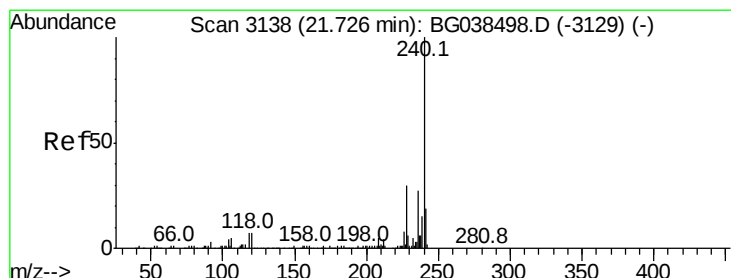
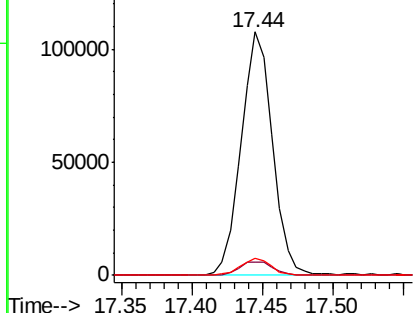
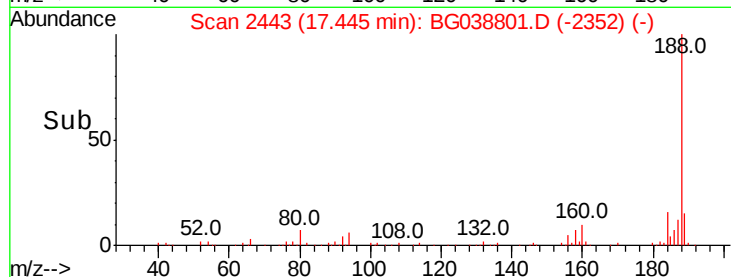
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. 0.00 min
Lab File: BG038801.D
Acq: 22 Dec 2018 00:42

Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

Tot Ion:188 Resp: 167320
Ion Ratio Lower Upper
188 100
94 5.7 5.1 7.7
80 6.8 6.1 9.1

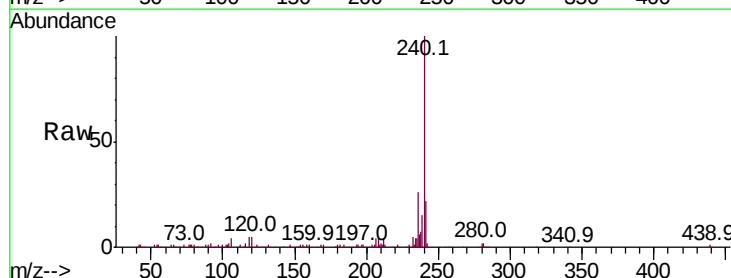


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

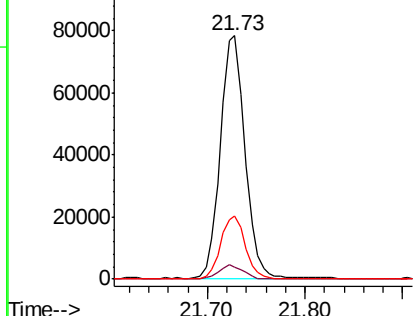
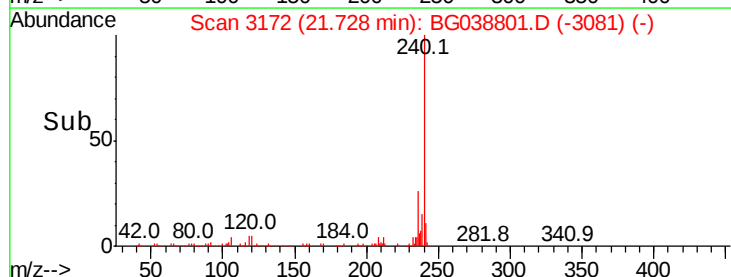


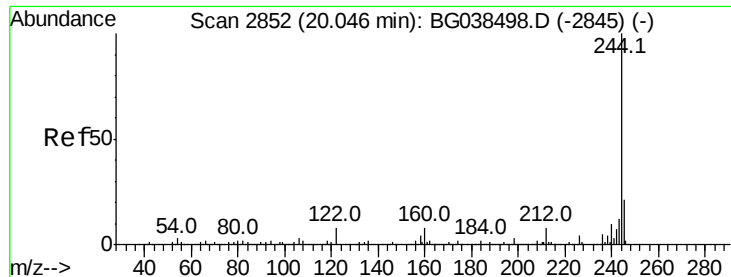
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3172
Delta R.T. 0.00 min
Lab File: BG038801.D
Acq: 22 Dec 2018 00:42

Tgt Ion:240 Resp: 138733
Ion Ratio Lower Upper
240 100
120 5.1 5.3 7.9#
236 25.7 21.4 32.2



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





#79

Terphenyl-d14

Concen: 130.184 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038801.D

Acq: 22 Dec 2018 00:42

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

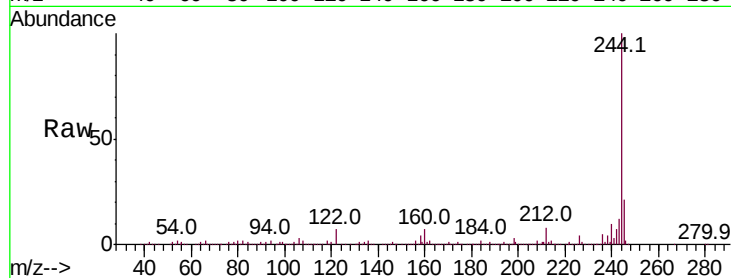
Tot Ion:244 Resp: 829872

Ion Ratio Lower Upper

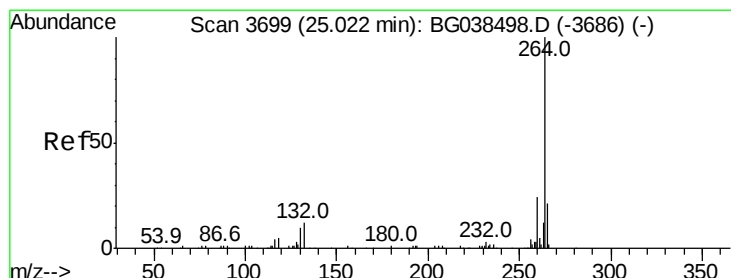
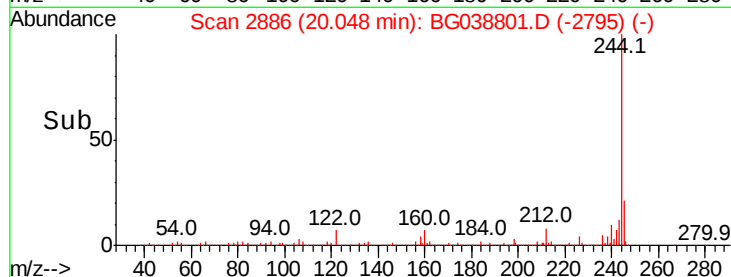
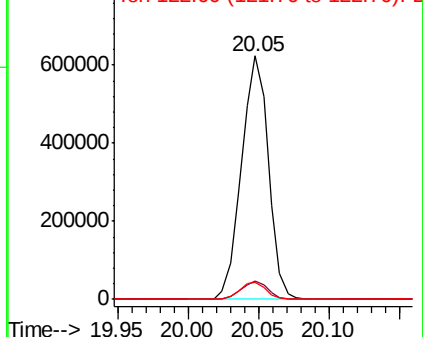
244 100

212 7.7 6.2 9.2

122 7.1 6.3 9.5



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.03 min Scan# 3734

Delta R.T. 0.01 min

Lab File: BG038801.D

Acq: 22 Dec 2018 00:42

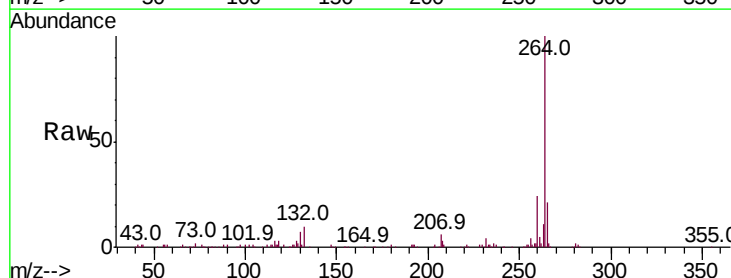
Tgt Ion:264 Resp: 160634

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.2 17.0 25.4



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

