

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091817\
 Data File : BG028795.D
 Acq On : 18 Sep 2017 15:02
 Operator : SJ/JU
 Sample : I5251-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

Quant Time: Sep 19 02:16:16 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	8.28	152	33576	20.00	ng	-0.05
21) Naphthalene-d8	11.11	136	135327	20.00	ng	-0.04
38) Acenaphthene-d10	14.91	164	98732	20.00	ng	-0.04
63) Phenanthrene-d10	17.66	188	276613	20.00	ng	-0.04
75) Chrysene-d12	21.98	240	315423	20.00	ng	-0.05
86) Perylene-d12	25.45	264	325064	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.86	112	107502	52.83	ng	-0.04
7) Phenol-d6	7.44	99	99718	32.55	ng	-0.05
23) Nitrobenzene-d5	9.46	82	215912	76.32	ng	-0.05
41) 2,4,6-Tribromophenol	16.40	330	139130	85.20	ng	-0.04
44) 2-Fluorobiphenyl	13.53	172	563650	76.12	ng	-0.04
78) Terphenyl-d14	20.25	244	1170859	79.16	ng	-0.03

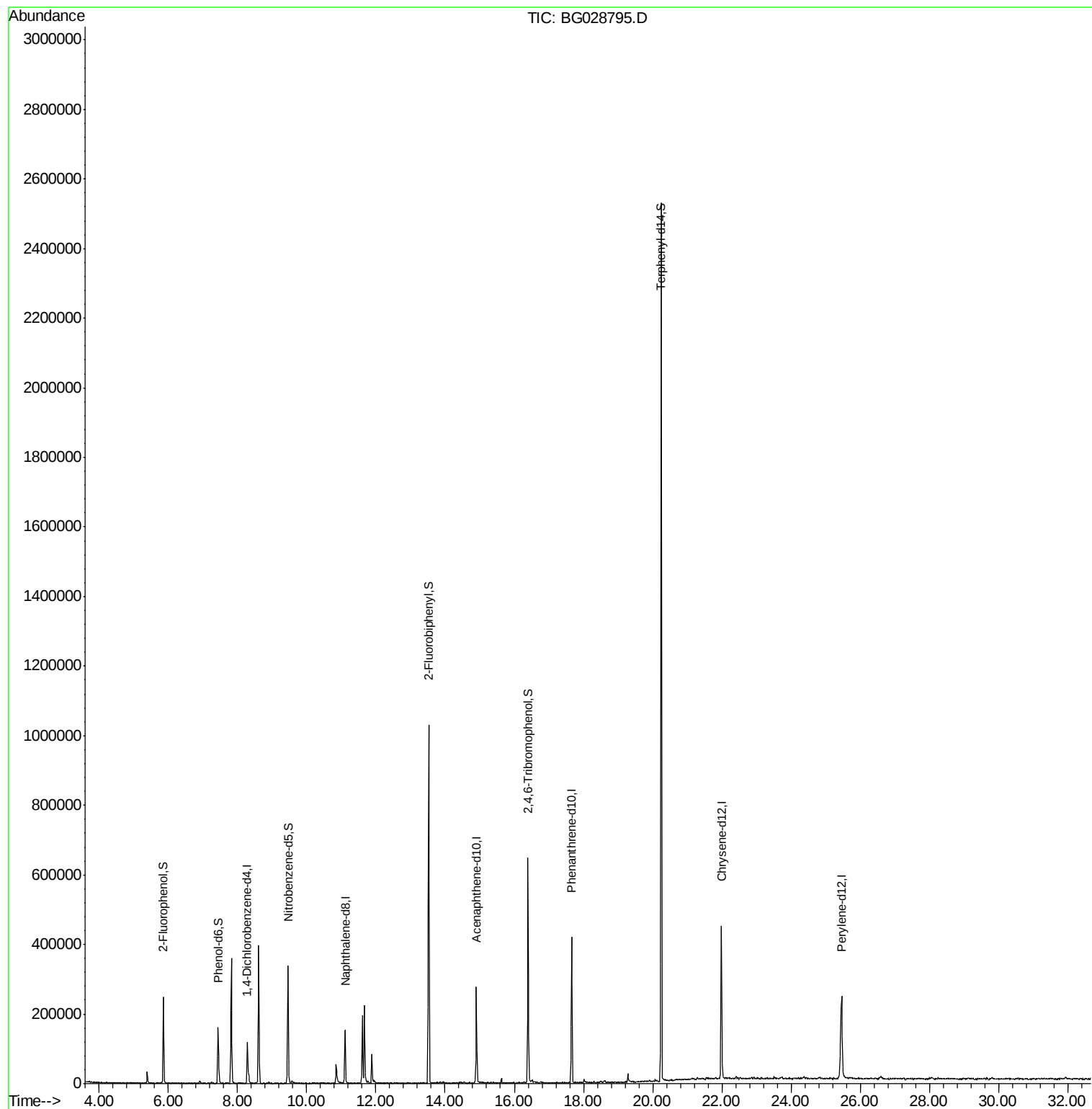
Target Compounds Qvalue

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.28 min Scan# 799

Delta R.T. -0.05 min

Lab File: BG028795.D

Acq: 18 Sep 2017 15:02

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

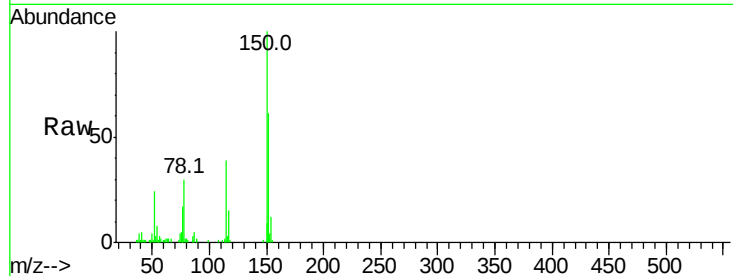
Tot Ion:152 Resp: 33576

Ion Ratio Lower Upper

152 100

150 164.1 114.0 171.0

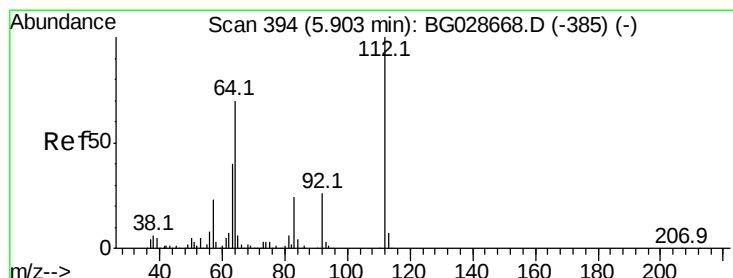
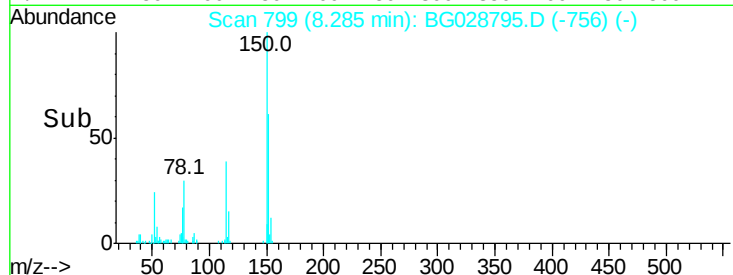
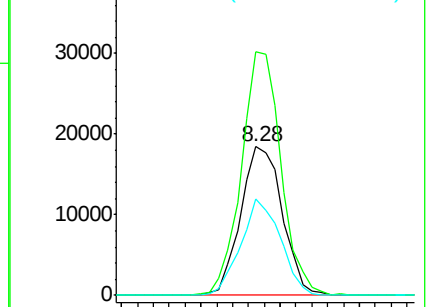
115 64.6 48.1 72.1



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: 52.830 ng

RT: 5.86 min Scan# 386

Delta R.T. -0.04 min

Lab File: BG028795.D

Acq: 18 Sep 2017 15:02

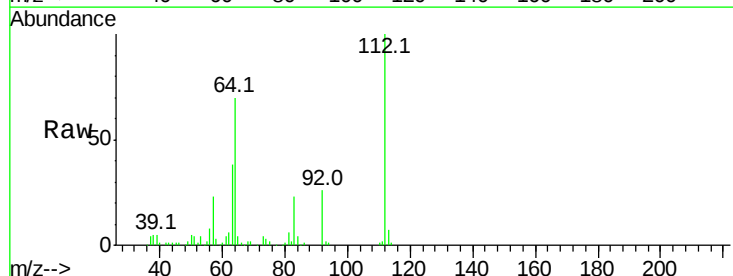
Tgt Ion:112 Resp: 107502

Ion Ratio Lower Upper

112 100

64 70.2 61.8 92.6

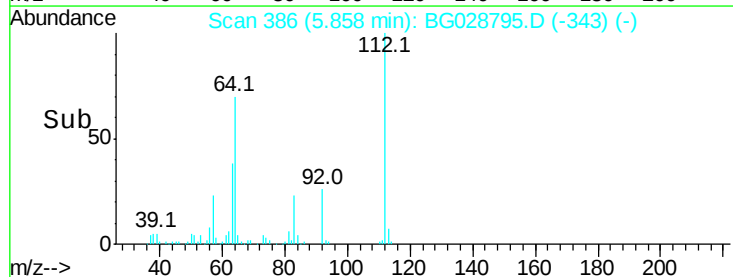
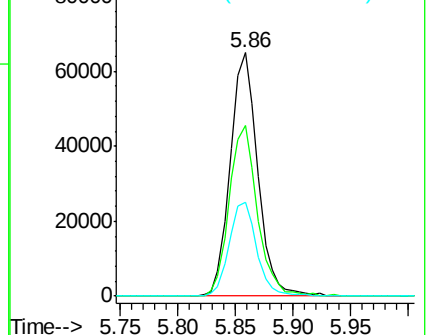
63 38.5 37.2 55.8

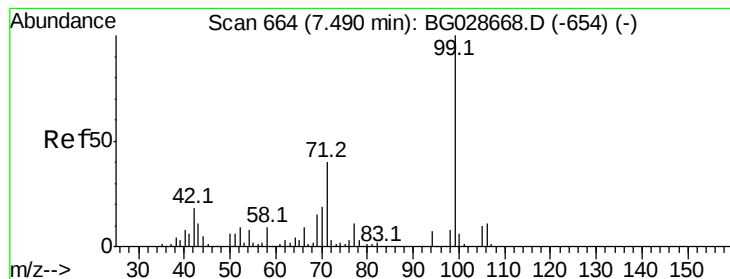


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 32.548 ng

RT: 7.44 min Scan# 655

Delta R.T. -0.05 min

Lab File: BG028795.D

Acq: 18 Sep 2017 15:02

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

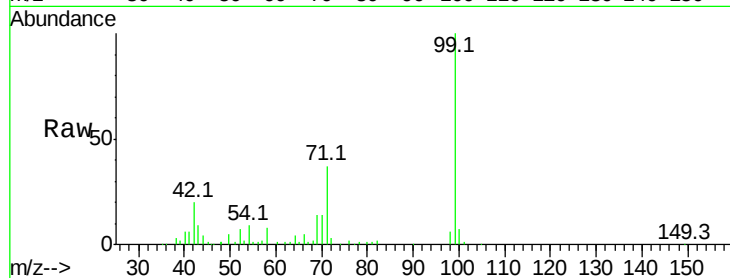
Tot Ion: 99 Resp: 99718

Ion Ratio Lower Upper

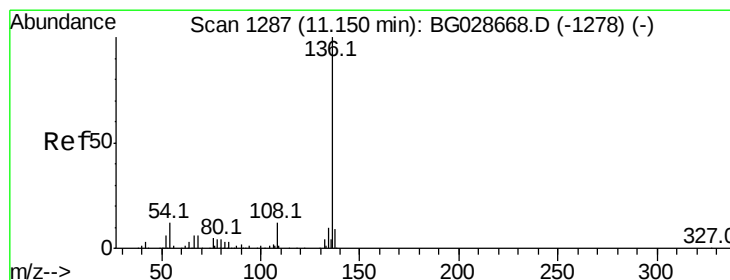
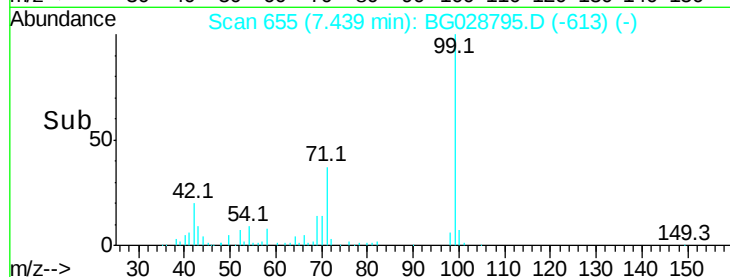
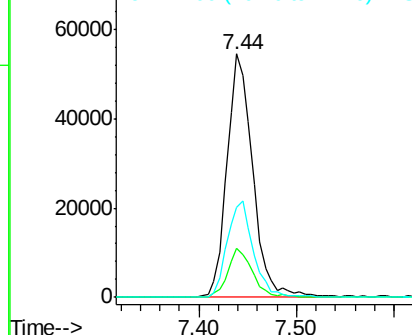
99 100

42 20.3 20.5 30.7#

71 36.8 37.6 56.4#



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: 11.11 min Scan# 1280

Delta R.T. -0.04 min

Lab File: BG028795.D

Acq: 18 Sep 2017 15:02

Tgt Ion: 136 Resp: 135327

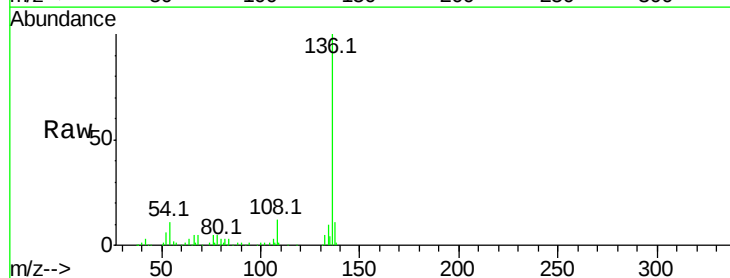
Ion Ratio Lower Upper

136 100

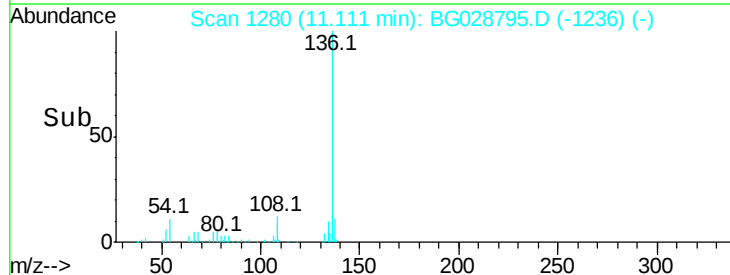
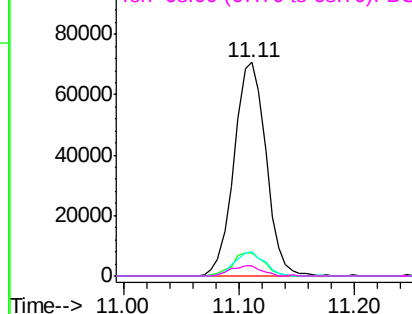
137 10.6 8.9 13.3

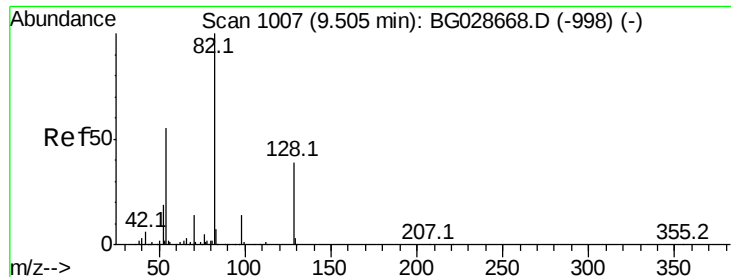
54 11.5 9.3 13.9

68 4.7 5.1 7.7#



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: 76.324 ng

RT: 9.46 min Scan# 999

Delta R.T. -0.05 min

Lab File: BG028795.D

Acq: 18 Sep 2017 15:02

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

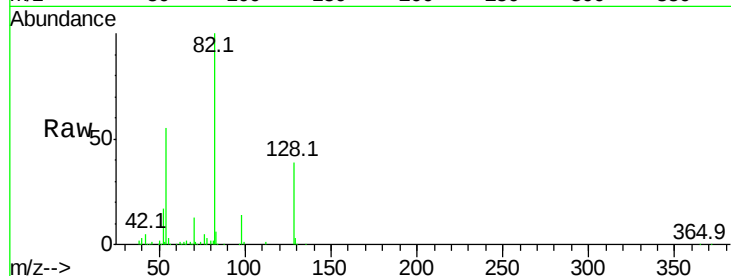
Tot Ion: 82 Resp: 215912

Ion Ratio Lower Upper

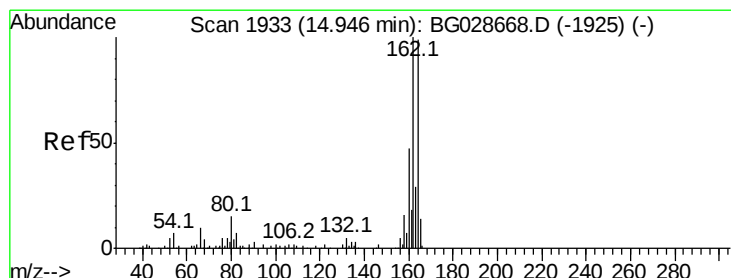
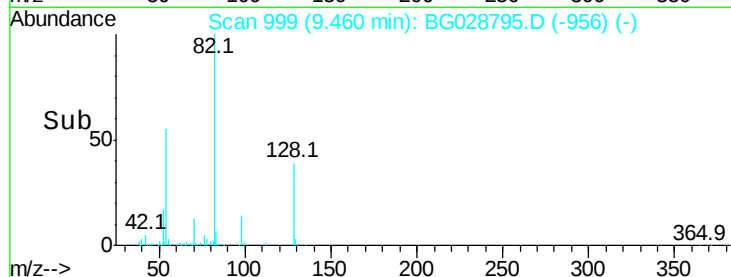
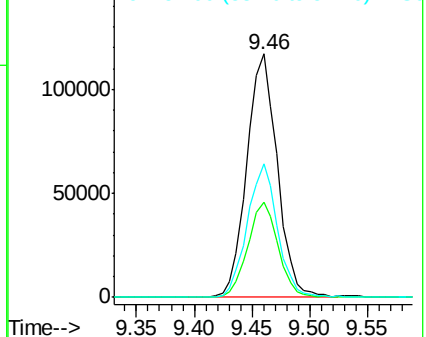
82 100

128 38.8 26.4 39.6

54 54.7 49.4 74.2



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: 20.000 ng

RT: 14.91 min Scan# 1926

Delta R.T. -0.04 min

Lab File: BG028795.D

Acq: 18 Sep 2017 15:02

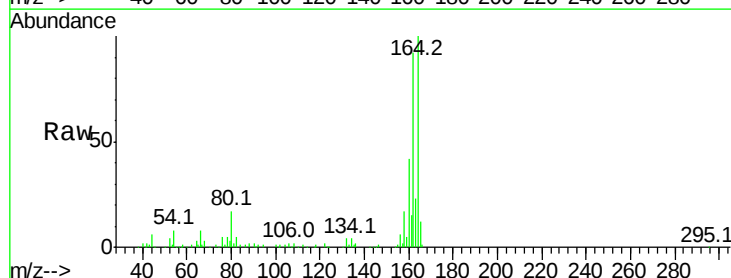
Tgt Ion: 164 Resp: 98732

Ion Ratio Lower Upper

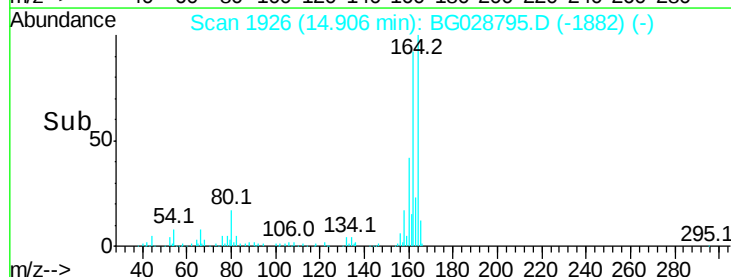
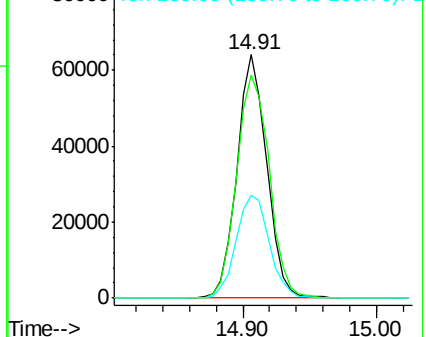
164 100

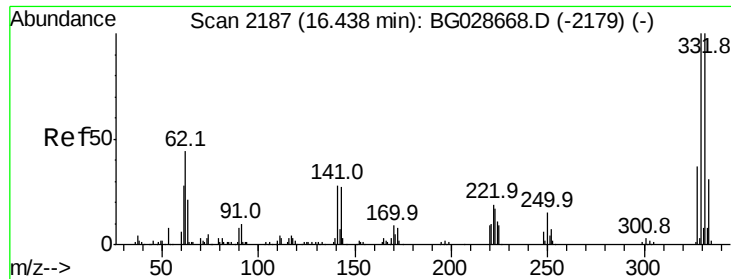
162 91.9 85.1 127.7

160 42.3 34.7 52.1



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

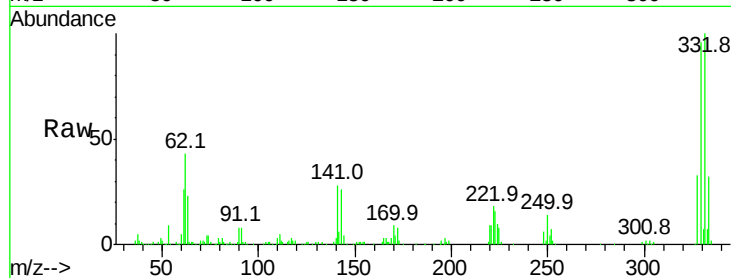




#41
 2,4,6-Tribromophenol
 Concen: 85.201 ng
 RT: 16.40 min Scan# 2180
 Delta R.T. -0.04 min
 Lab File: BG028795.D
 Acq: 18 Sep 2017 15:02

Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.8	77.3	115.9
141	29.9	32.1	48.1#

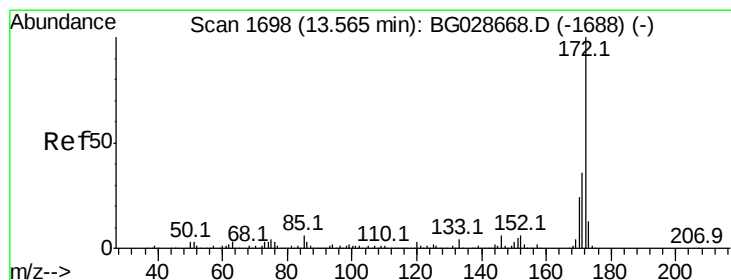
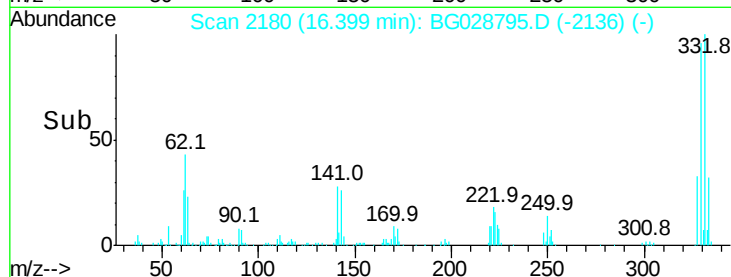
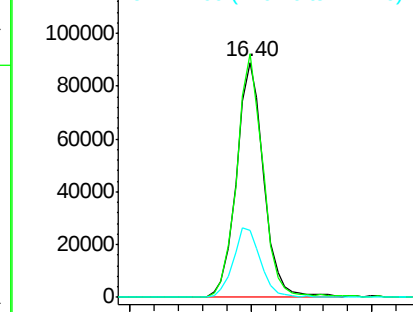


Abundance

Ion 329.80 (329.50 to 330.50): E

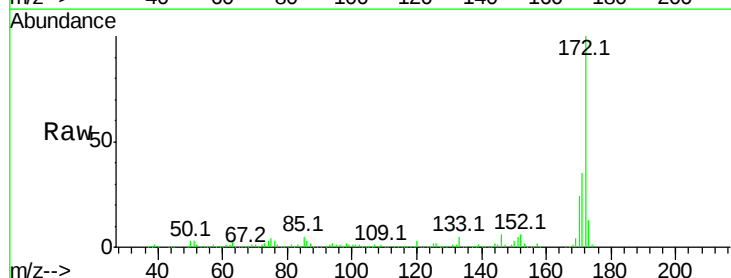
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 76.124 ng
 RT: 13.53 min Scan# 1691
 Delta R.T. -0.04 min
 Lab File: BG028795.D
 Acq: 18 Sep 2017 15:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	32.2	48.2
170	23.9	21.8	32.6

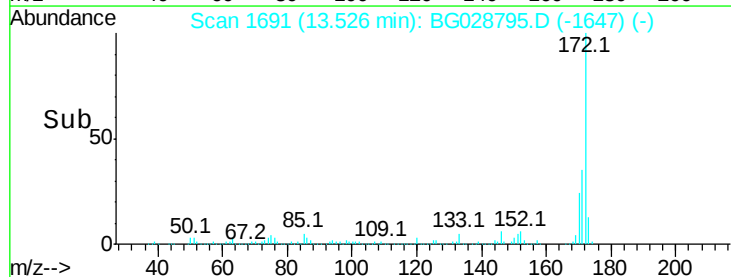
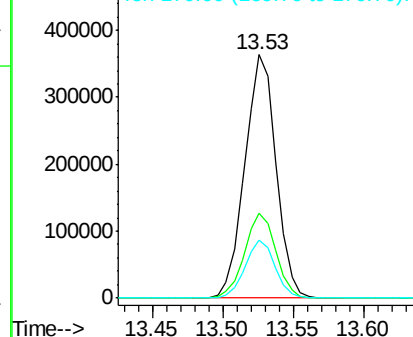


Abundance

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.66 min Scan# 2394

Delta R.T. -0.04 min

Lab File: BG028795.D

Acq: 18 Sep 2017 15:02

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

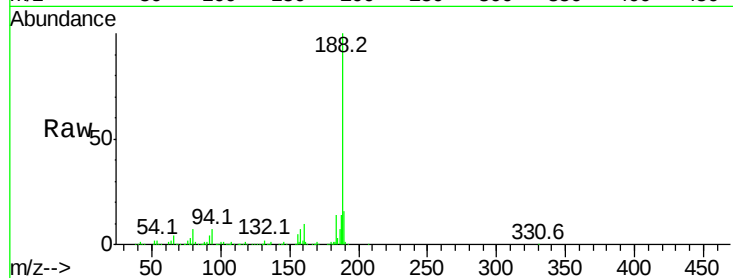
Tot Ion:188 Resp: 276613

Ion Ratio Lower Upper

188 100

94 6.7 5.8 8.8

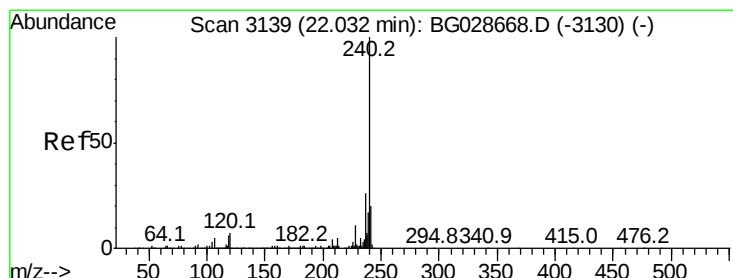
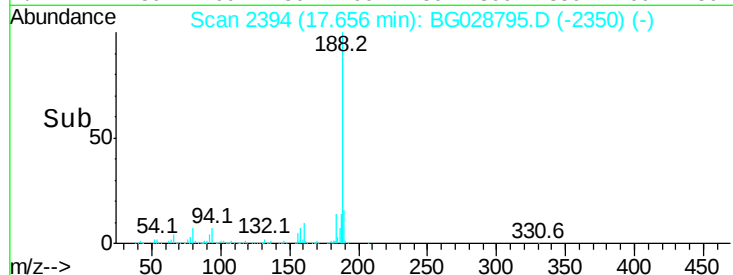
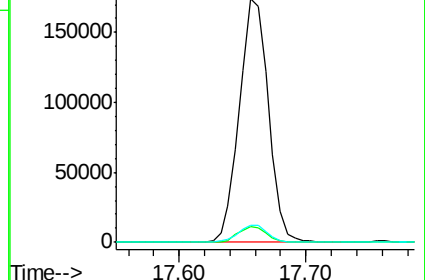
80 7.0 7.5 11.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.98 min Scan# 3130

Delta R.T. -0.05 min

Lab File: BG028795.D

Acq: 18 Sep 2017 15:02

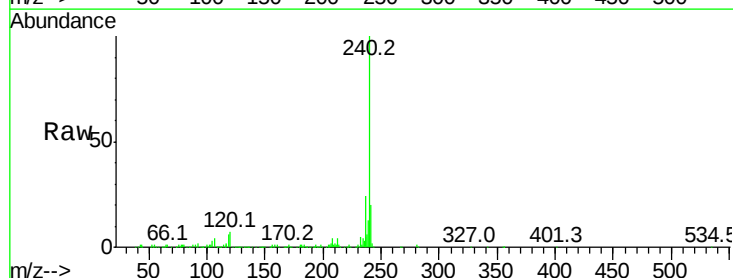
Tgt Ion:240 Resp: 315423

Ion Ratio Lower Upper

240 100

120 6.6 5.7 8.5

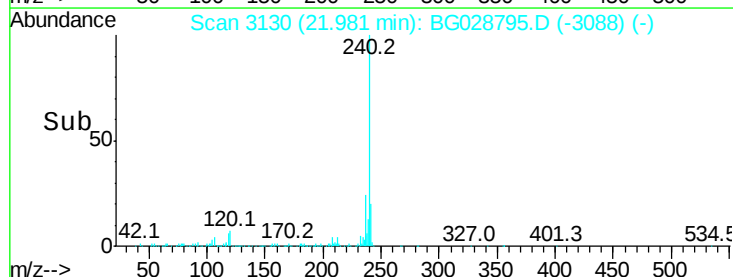
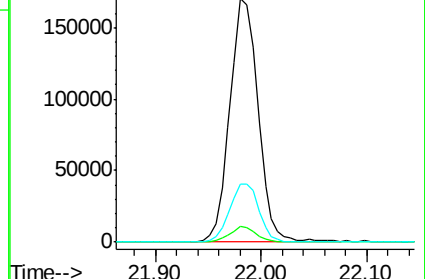
236 23.8 22.2 33.4

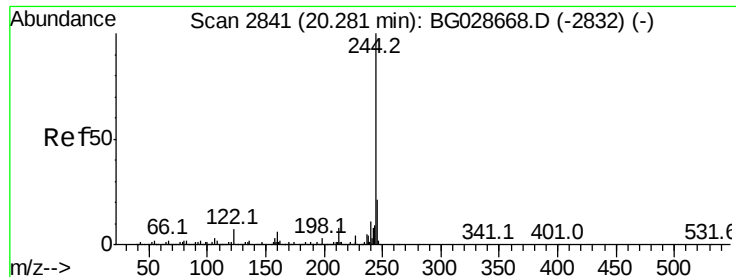


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 79.161 ng

RT: 20.25 min Scan# 2835

Delta R.T. -0.03 min

Lab File: BG028795.D

Acq: 18 Sep 2017 15:02

Instrument :

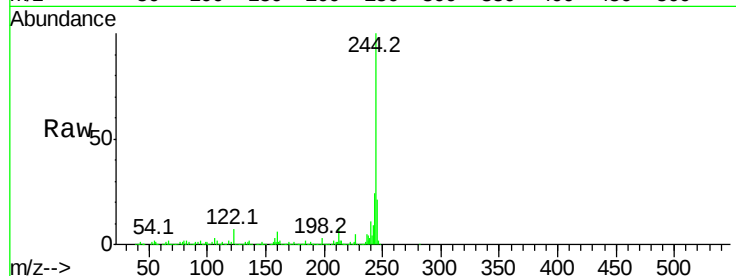
BNA_G

ClientSampleId :

GROUNDWATER

Tot Ion:244 Resp: 1170859

Ion	Ratio	Lower	Upper
244	100		
212	8.0	10.0	15.0#
122	6.9	8.6	12.8#

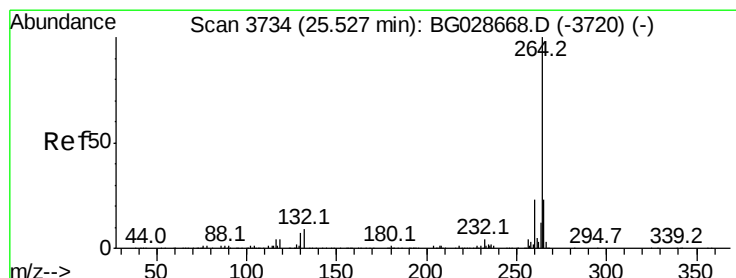
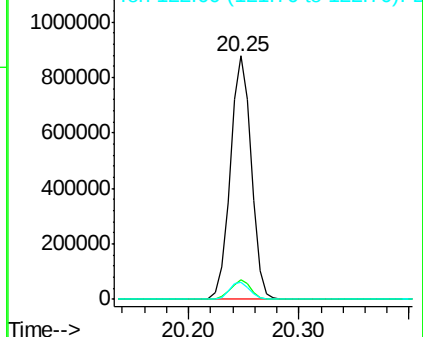
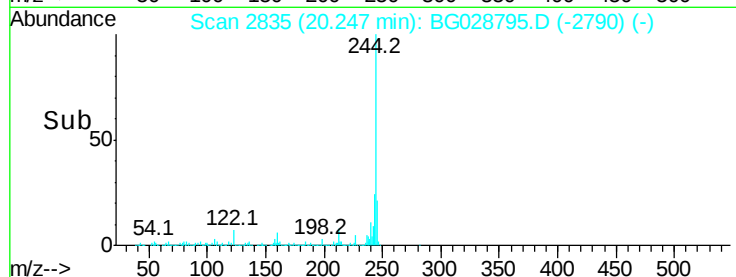


Abundance

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: 25.45 min Scan# 3721

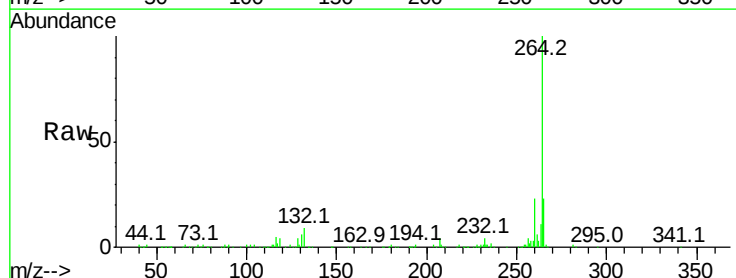
Delta R.T. -0.07 min

Lab File: BG028795.D

Acq: 18 Sep 2017 15:02

Tgt Ion:264 Resp: 325064

Ion	Ratio	Lower	Upper
264	100		
260	23.5	21.8	32.8
265	22.6	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

