

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045088.D
 Acq On : 19 Apr 2020 5:00
 Operator : CG/JU
 Sample : L2298-02
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

Quant Time: Apr 20 00:29:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 11:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	147119	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	638447	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	444478	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	949536	20.00	ng	0.00
76) Chrysene-d12	21.67	240	882507	20.00	ng	0.00
87) Perylene-d12	24.86	264	954944	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	2401	0.27	ng	0.02
7) Phenol-d6	7.20	99	4492	0.34	ng	0.02
23) Nitrobenzene-d5	9.18	82	406358	29.04	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	2475	0.36	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	1582095	52.19	ng	0.00
79) Terphenyl-d14	20.02	244	2231946	55.12	ng	0.00

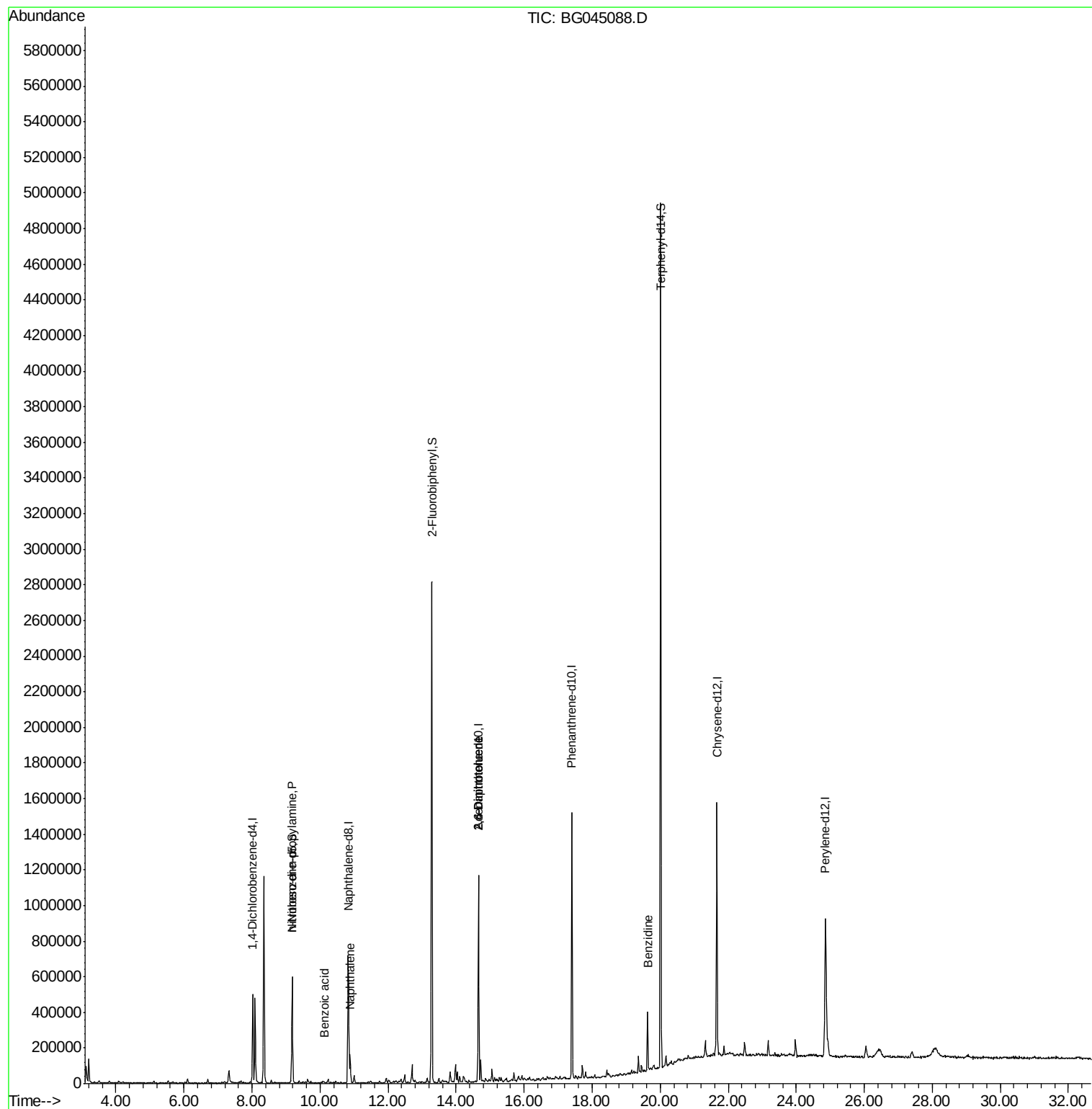
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.15	77	197	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	53611	5.726	ng	79
31) Naphthalene	10.88	128	124252	3.558	ng	99
32) Benzoic acid	10.14	122	56	6.380	ng	1
51) 2,6-Dinitrotoluene	14.66	165	61222	7.563	ng	25
57) 2,4-Dinitrotoluene	14.66	165	61222	5.175	ng	22
69) Atrazine	16.83	200	75	Below Cal	#	24
74) Di-n-butylphthalate	18.36	149	2919	Below Cal	#	77
75) Fluoranthene	19.45	202	22704	Below Cal		97
77) Benzidine	19.63	184	212080	2.699	ng	98

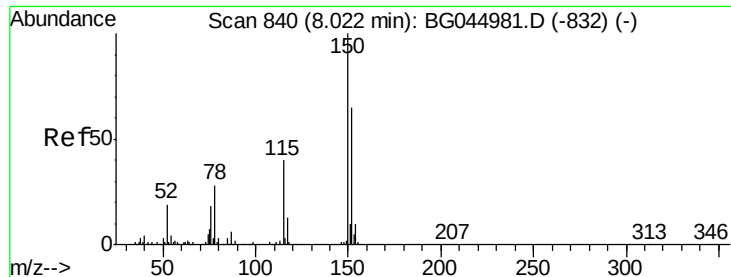
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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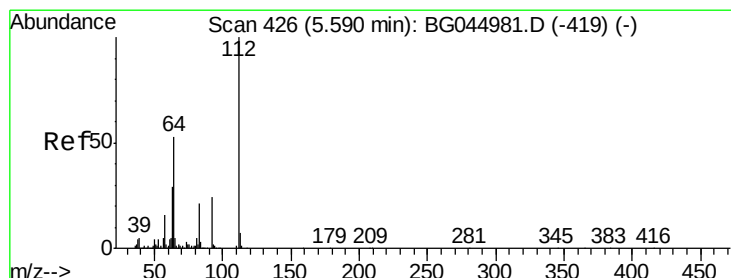
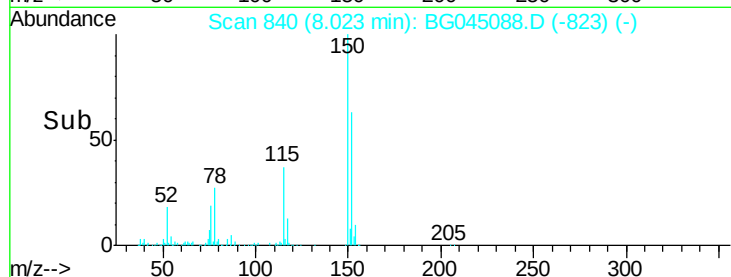
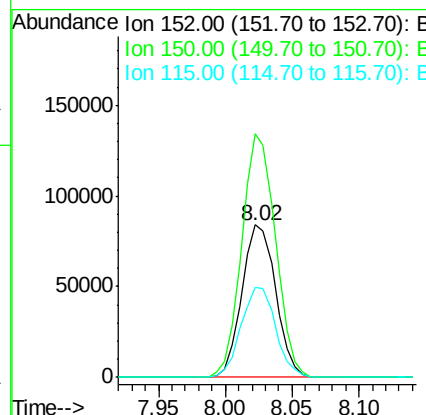
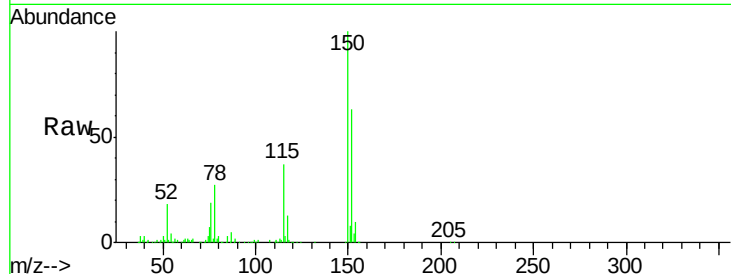


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG045088.D
Acq: 19 Apr 2020 5:00

Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

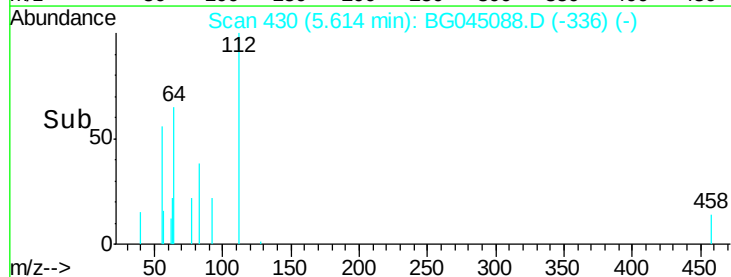
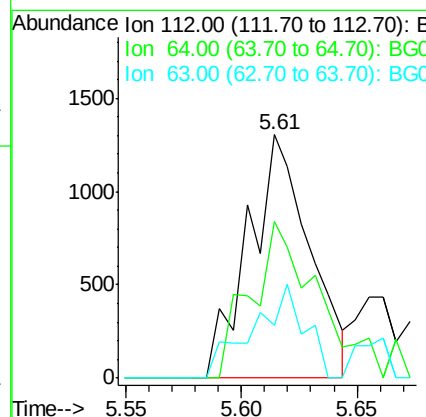
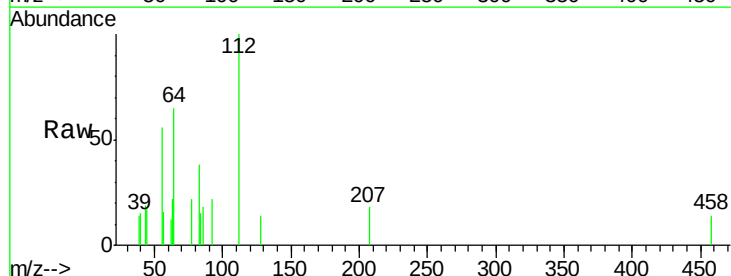
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	123.6	185.4
115	59.1	49.1	73.7

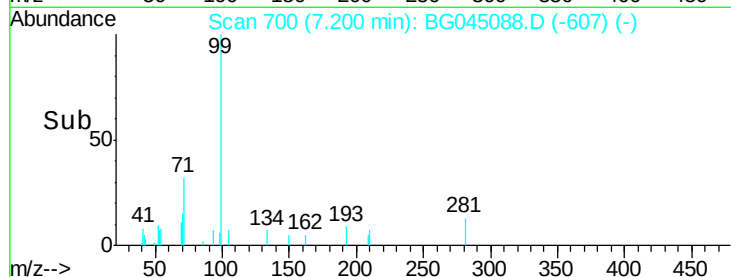
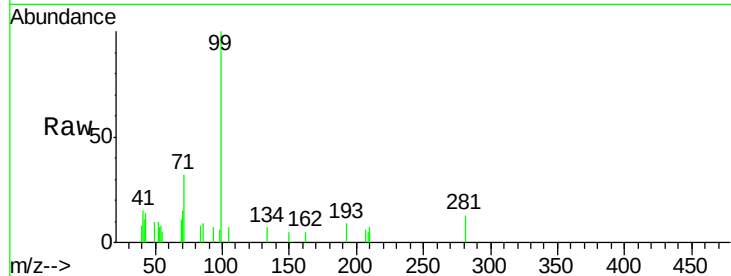
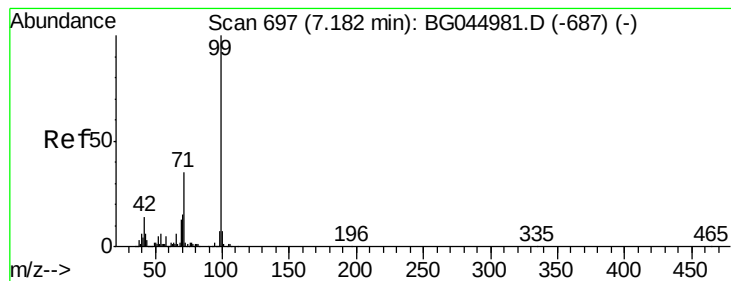


#5

2-Fluorophenol
Concen: 0.269 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.02 min
Lab File: BG045088.D
Acq: 19 Apr 2020 5:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	42.4	63.6#
63	21.5	23.1	34.7#





#7

Phenol-d6

Concen: 0.339 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.02 min

Lab File: BG045088.D

Acq: 19 Apr 2020 5:00

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

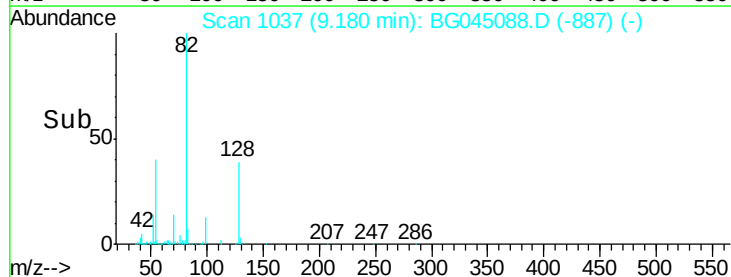
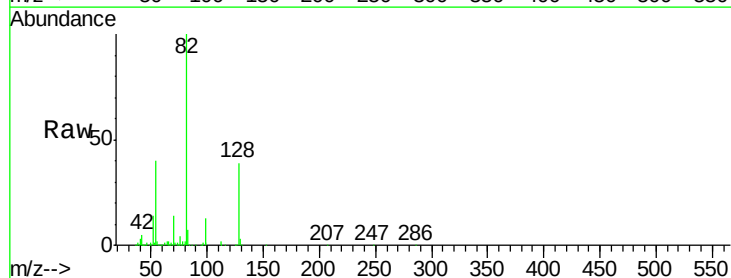
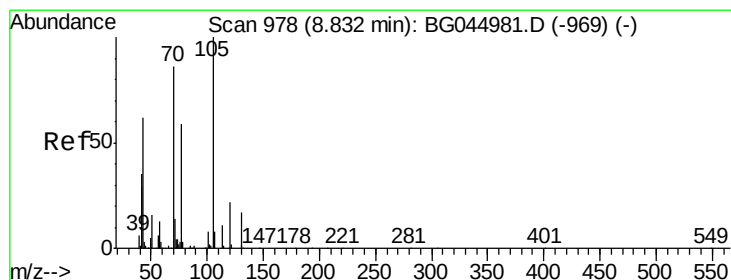
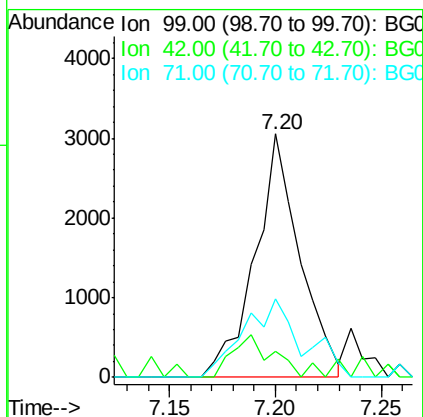
Tot Ion: 99 Resp: 4492

Ion Ratio Lower Upper

99 100

42 10.7 11.3 16.9#

71 32.0 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 5.726 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG045088.D

Acq: 19 Apr 2020 5:00

Tgt Ion: 70 Resp: 53611

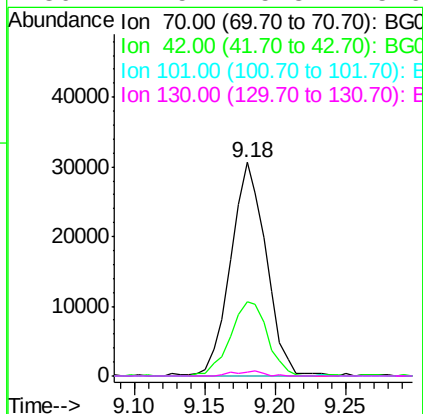
Ion Ratio Lower Upper

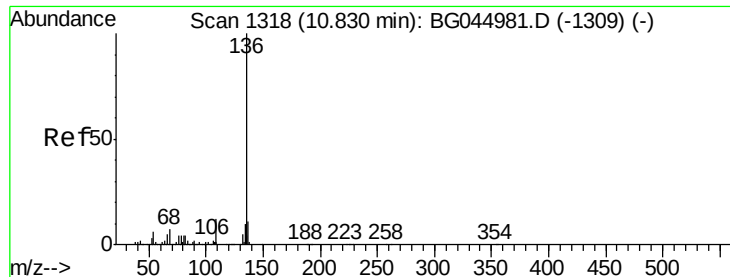
70 100

42 34.5 33.3 49.9

101 0.0 7.8 11.8#

130 1.5 15.8 23.6#

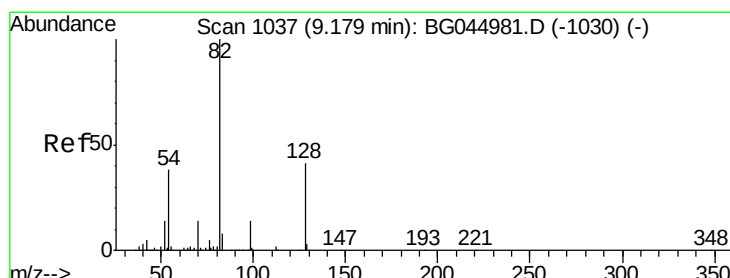
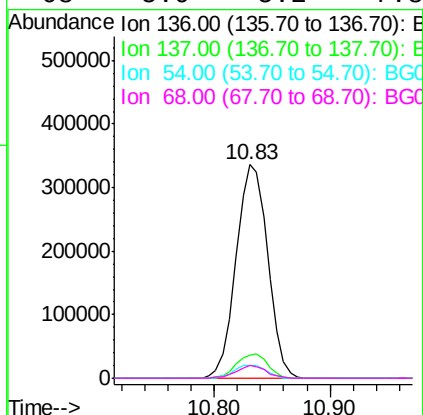
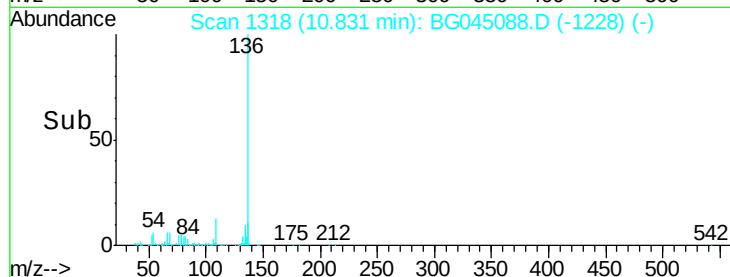
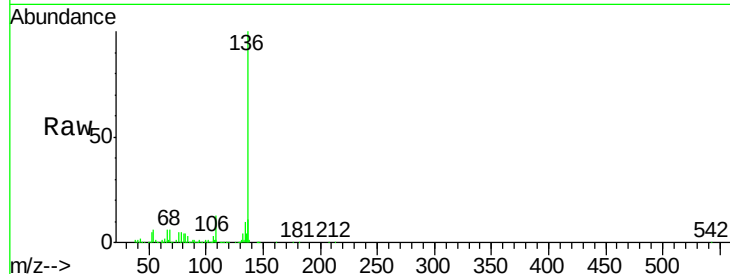




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045088.D
Acq: 19 Apr 2020 5:00

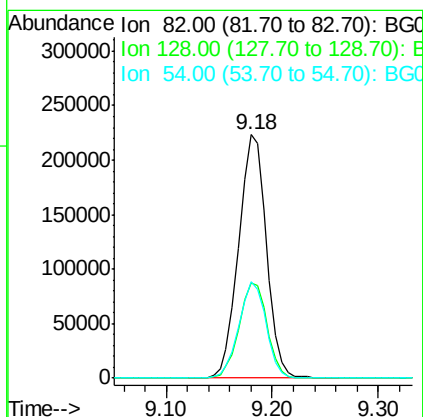
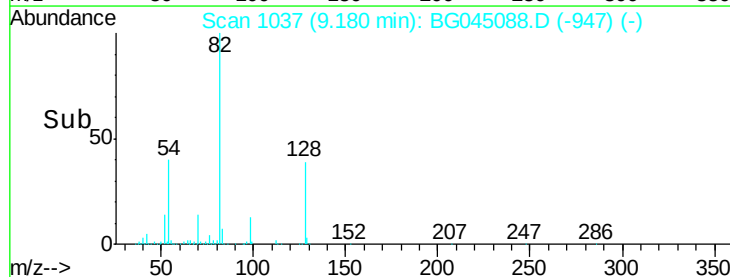
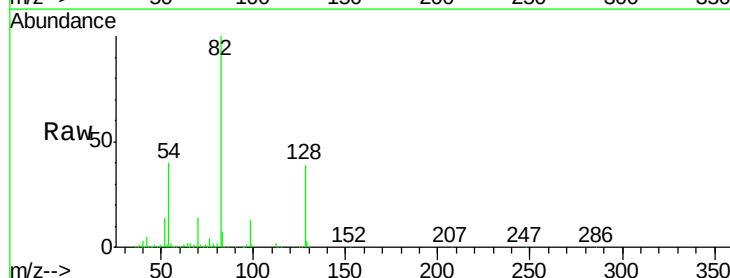
Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

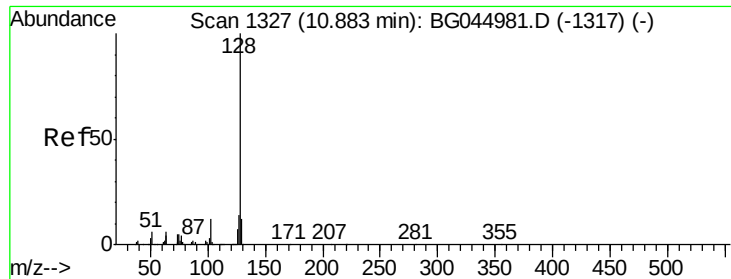
Tot Ion:136	Resp: 638447
Ion Ratio	Lower Upper
136 100	
137 10.7	8.6 13.0
54 6.2	4.8 7.2
68 5.9	5.2 7.8



#23
Nitrobenzene-d5
Concen: 29.042 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BG045088.D
Acq: 19 Apr 2020 5:00

Tgt	Ion: 82	Resp:	406358
Ion	Ratio	Lower	Upper
82	100		
128	39.1	33.0	49.4
54	39.8	30.4	45.6

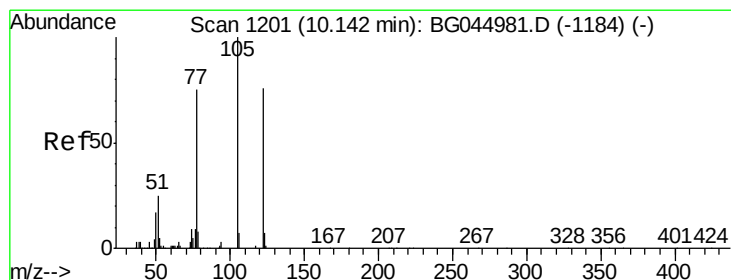
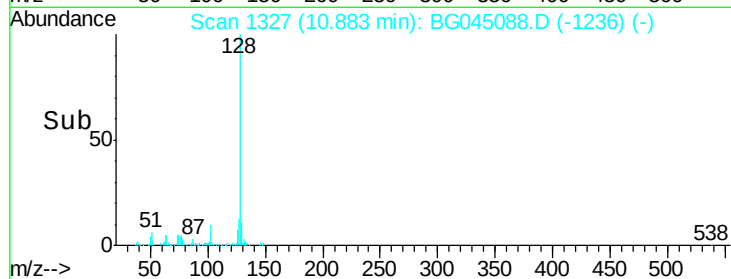
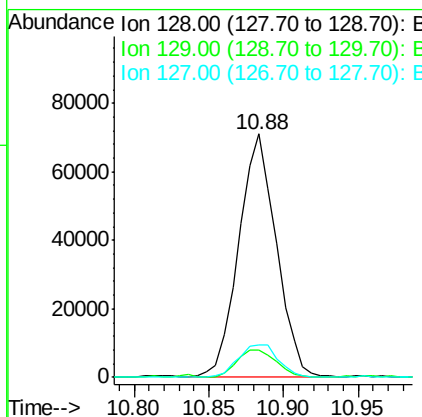
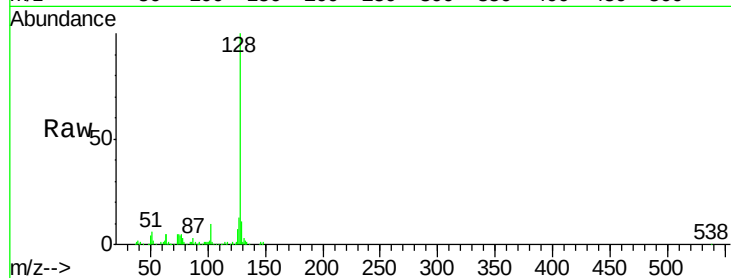




#31
Naphthalene
Concen: 3.558 ng
RT: 10.88 min Scan# 1327
Delta R.T. 0.00 min
Lab File: BG045088.D
Acq: 19 Apr 2020 5:00

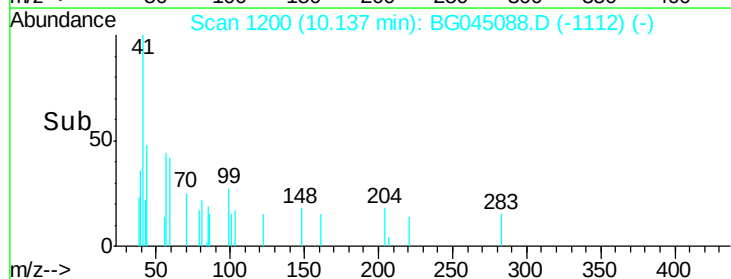
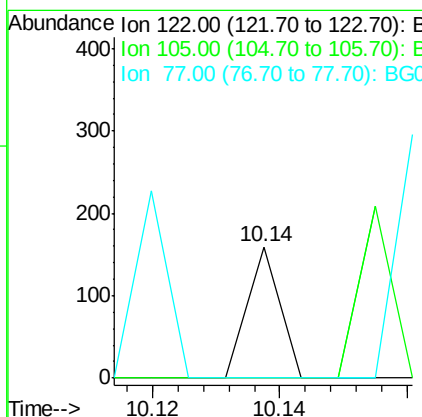
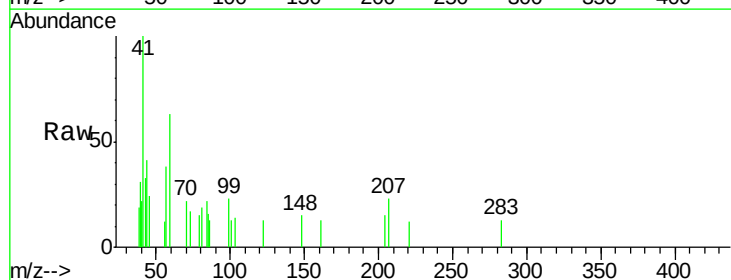
Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

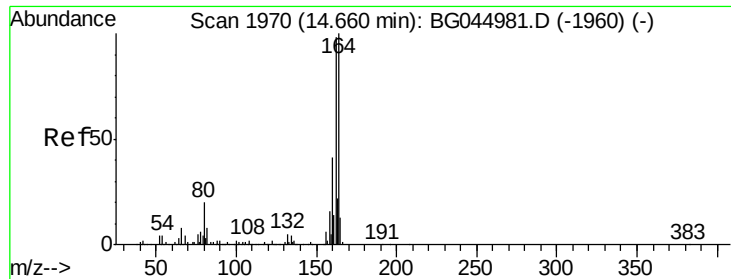
Tot Ion:	128	Resp:	124252
Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.4	14.2
127	13.5	10.8	16.2



#32
Benzoic acid
Concen: 6.380 ng
RT: 10.14 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BG045088.D
Acq: 19 Apr 2020 5:00

Tgt Ion:	122	Resp:	56
Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.4	148.4#
77	0.0	78.8	118.8#

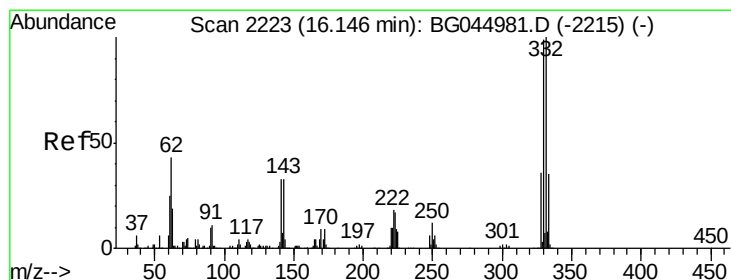
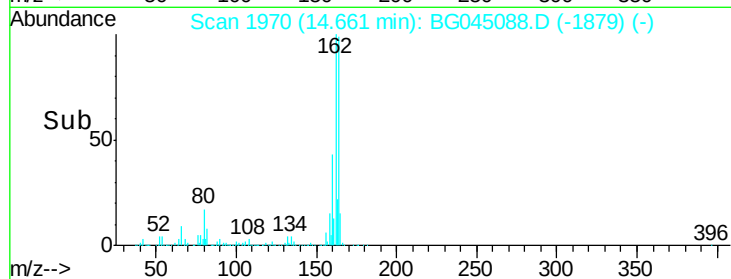
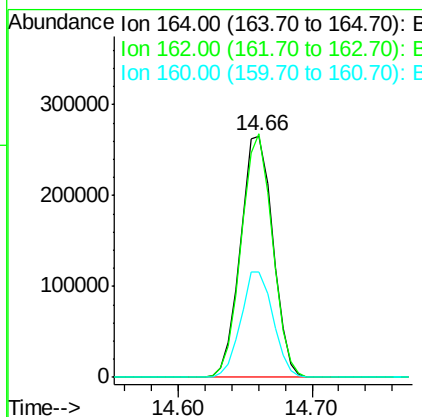
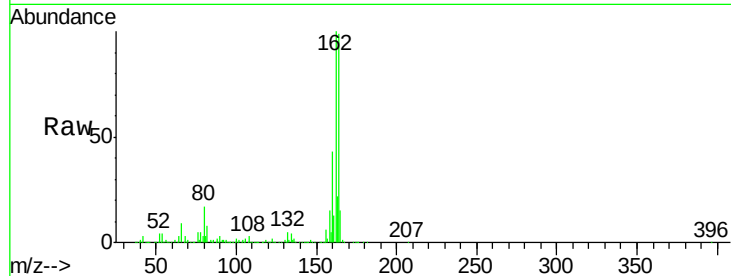




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. 0.00 min
Lab File: BG045088.D
Acq: 19 Apr 2020 5:00

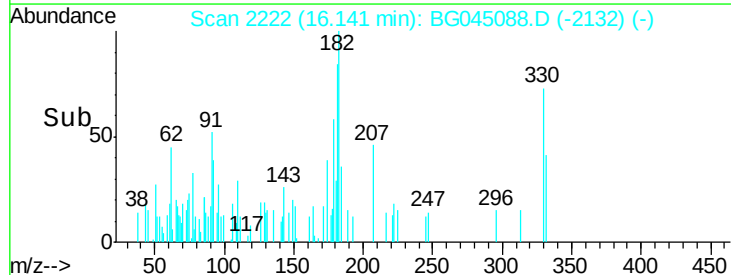
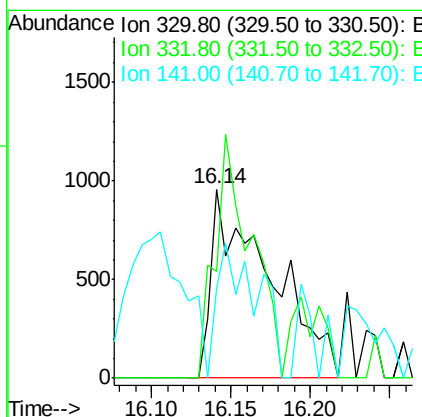
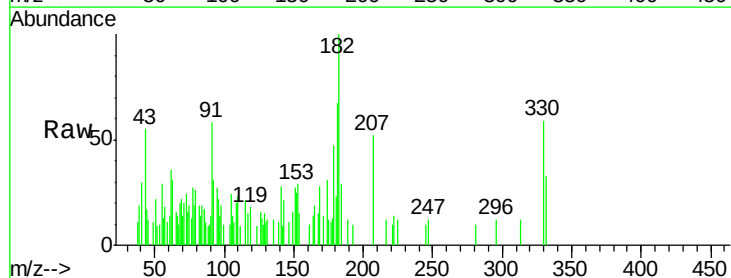
Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

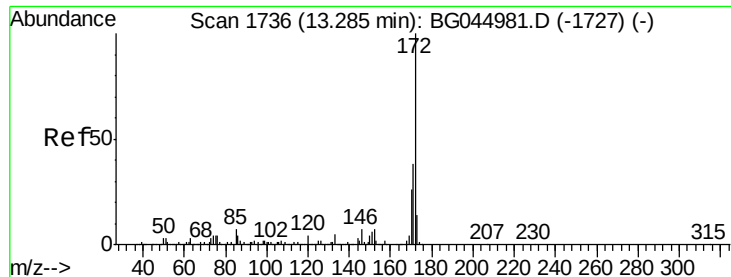
Tot Ion:164 Resp: 444478
Ion Ratio Lower Upper
164 100
162 100.8 78.7 118.1
160 43.6 32.8 49.2



#42
2,4,6-Tribromophenol
Concen: 0.360 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.00 min
Lab File: BG045088.D
Acq: 19 Apr 2020 5:00

Tgt Ion:330 Resp: 2475
Ion Ratio Lower Upper
330 100
332 79.0 79.1 118.7#
141 49.1 27.1 40.7#

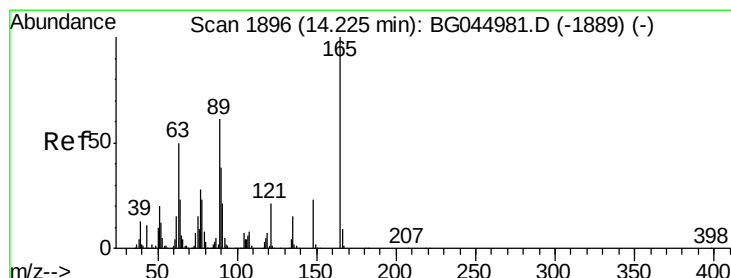
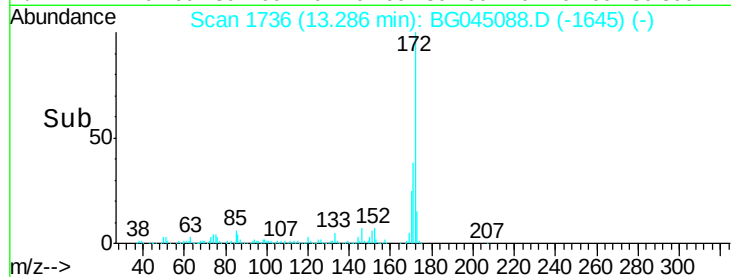
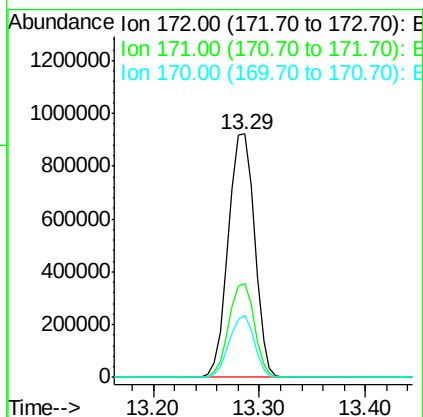
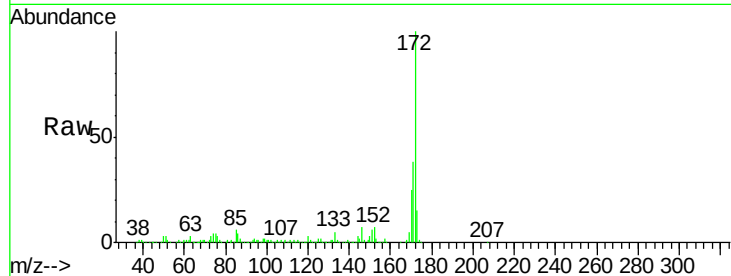




#45
2-Fluorobiphenyl
Concen: 52.193 ng
RT: 13.29 min Scan# 1736
Delta R.T. 0.00 min
Lab File: BG045088.D
Acq: 19 Apr 2020 5:00

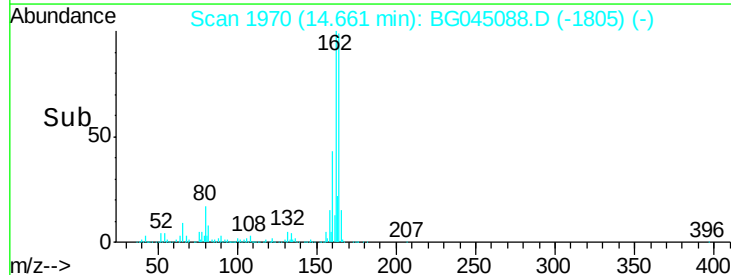
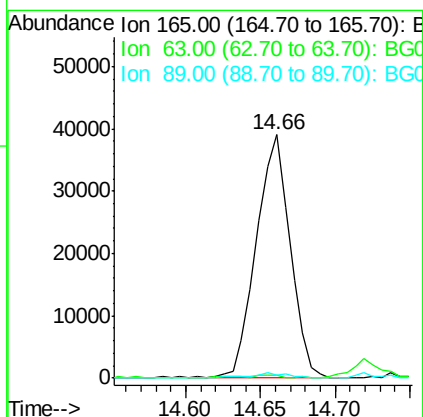
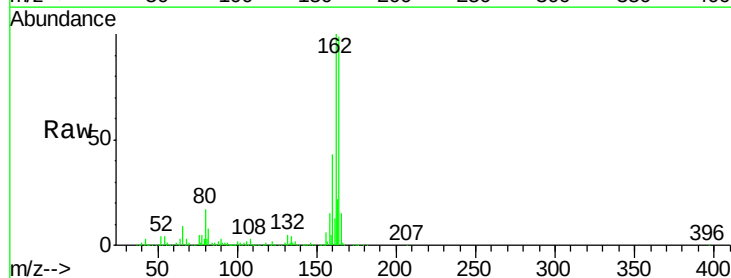
Instrument :
BNA_G
ClientSampleId :
GROUNDWATER

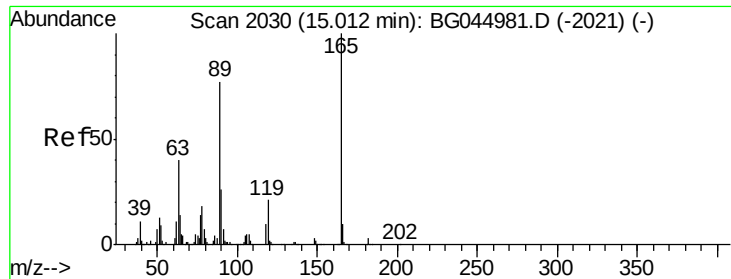
Tot Ion:172 Resp: 1582095
Ion Ratio Lower Upper
172 100
171 38.4 30.6 46.0
170 25.4 20.5 30.7



#51
2,6-Dinitrotoluene
Concen: 7.563 ng
RT: 14.66 min Scan# 1970
Delta R.T. 0.44 min
Lab File: BG045088.D
Acq: 19 Apr 2020 5:00

Tgt Ion:165 Resp: 61222
Ion Ratio Lower Upper
165 100
63 1.5 40.4 60.6#
89 1.3 49.1 73.7#





#57

2,4-Dinitrotoluene

Concen: 5.175 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.35 min

Lab File: BG045088.D

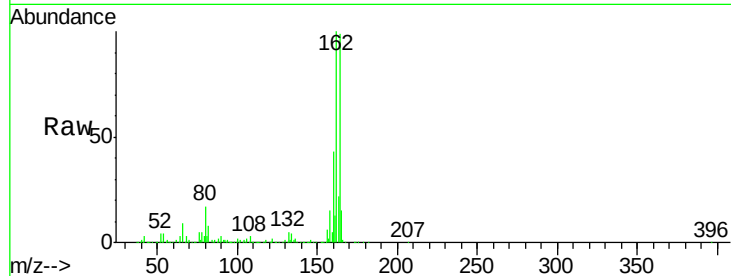
Acq: 19 Apr 2020 5:00

Instrument :

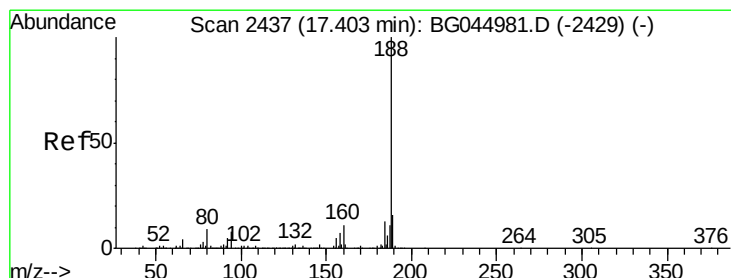
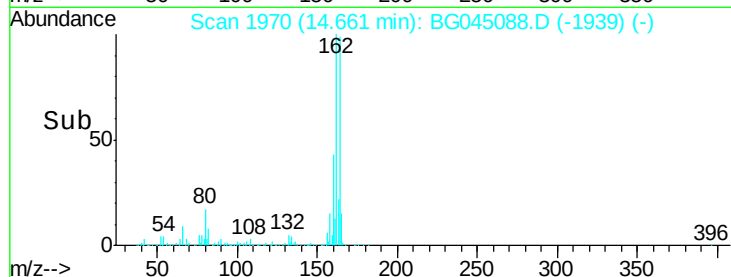
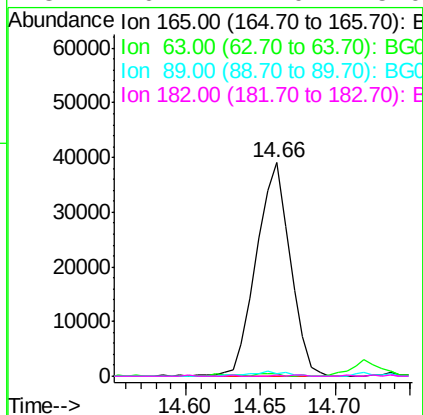
BNA_G

ClientSampleId :

GROUNDWATER



Tot Ion:	165	Resp:	61222
Ion	Ratio	Lower	Upper
165	100		
63	1.5	32.2	48.2#
89	1.3	61.7	92.5#
182	0.4	2.0	3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

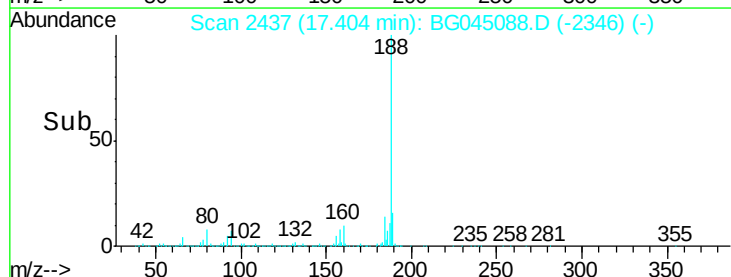
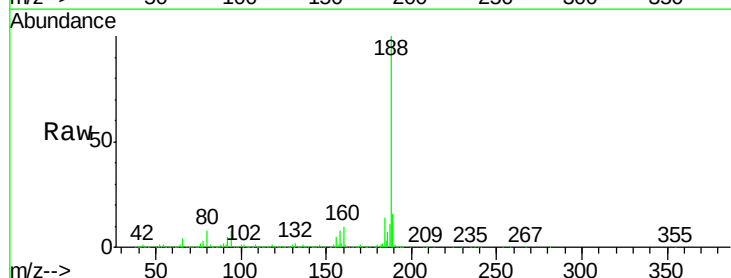
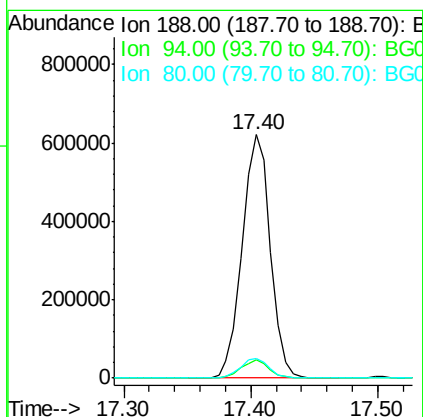
RT: 17.40 min Scan# 2437

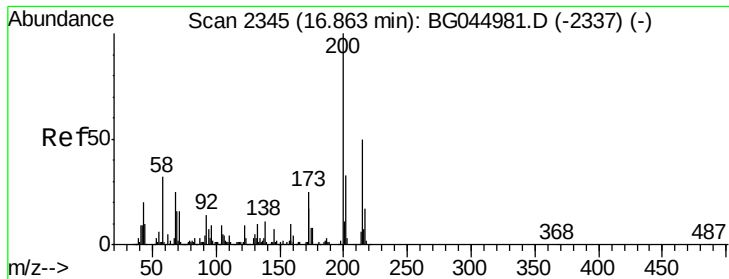
Delta R.T. 0.00 min

Lab File: BG045088.D

Acq: 19 Apr 2020 5:00

Tgt Ion:	188	Resp:	949536
Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.2	9.4
80	7.9	7.0	10.6





#69

Atrazine

Concen: Below Cal

RT: 16.83 min Scan# 2340

Delta R.T. -0.03 min

Lab File: BG045088.D

Acq: 19 Apr 2020 5:00

Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

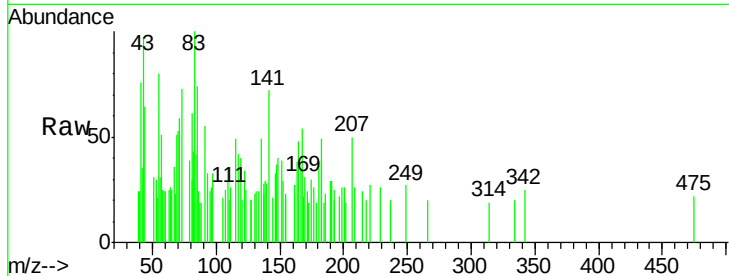
Tot Ion:200 Resp: 75

Ion Ratio Lower Upper

200 100

173 74.5 4.5 44.5#

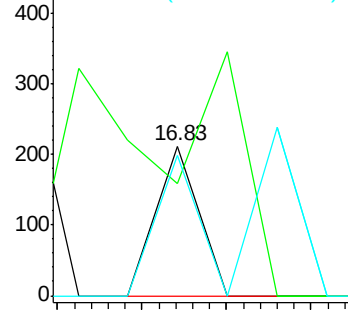
215 93.9 30.0 70.0#



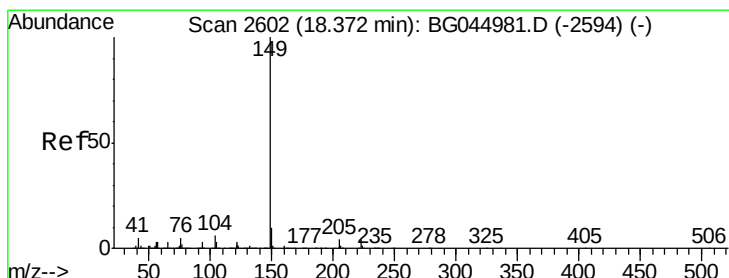
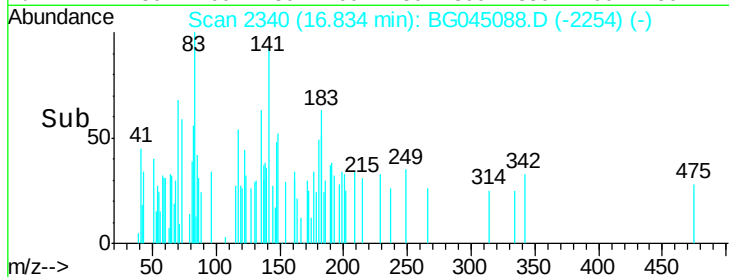
Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



Time--> 16.82 16.83 16.84 16.85



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.36 min Scan# 2600

Delta R.T. -0.01 min

Lab File: BG045088.D

Acq: 19 Apr 2020 5:00

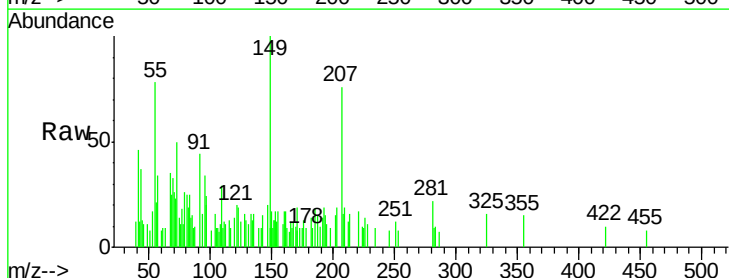
Tgt Ion:149 Resp: 2919

Ion Ratio Lower Upper

149 100

150 17.5 8.2 12.2#

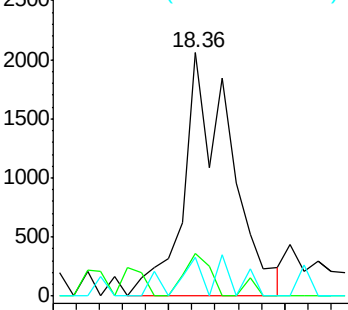
104 15.9 4.8 7.2#



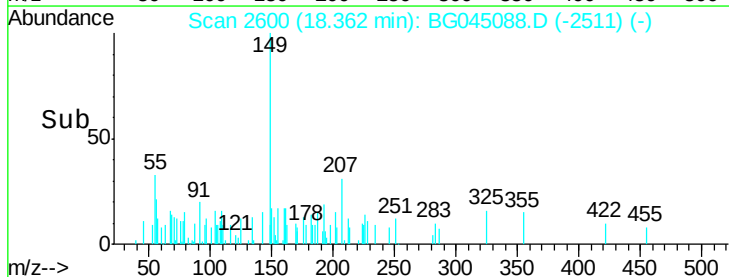
Abundance Ion 149.00 (148.70 to 149.70): E

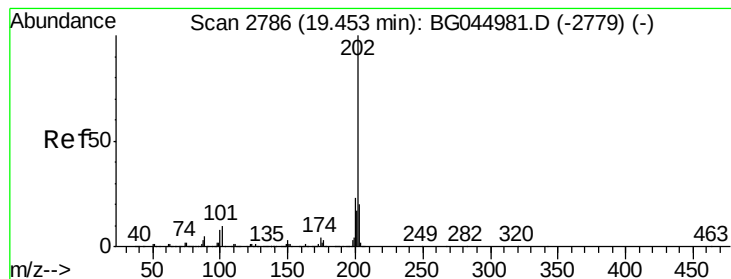
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time--> 18.30 18.35 18.40





#75

Fluoranthene

Concen: Below Cal

RT: 19.45 min Scan# 2785

Delta R.T. -0.00 min

Lab File: BG045088.D

Acq: 19 Apr 2020 5:00

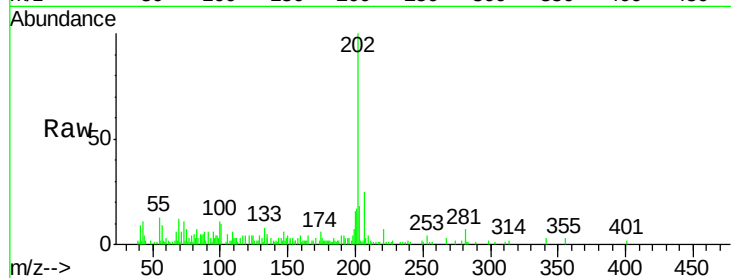
Instrument :

BNA_G

ClientSampleId :

GROUNDWATER

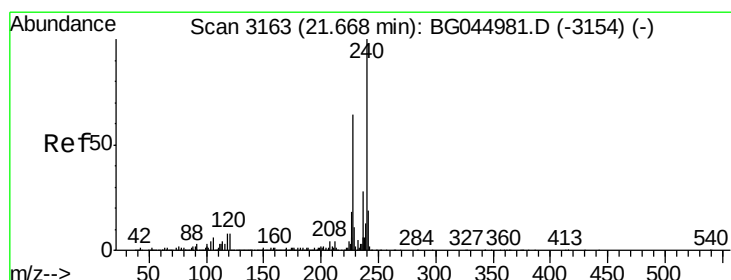
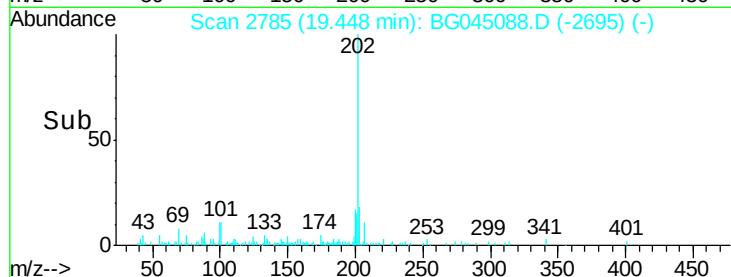
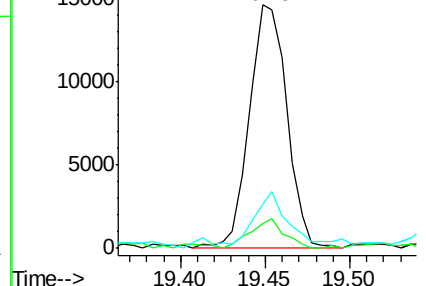
Tot Ion:	202	Resp:	22704
Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	29.6
203	18.2	0.0	39.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

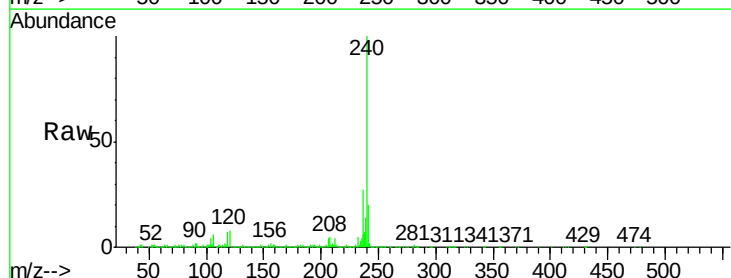
RT: 21.67 min Scan# 3163

Delta R.T. 0.00 min

Lab File: BG045088.D

Acq: 19 Apr 2020 5:00

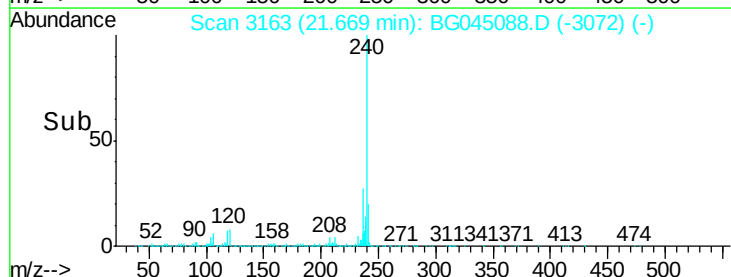
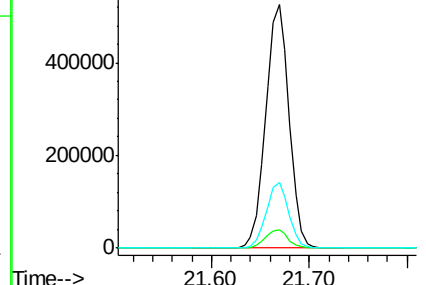
Tgt Ion:	240	Resp:	882507
Ion	Ratio	Lower	Upper
240	100		
120	7.7	6.6	10.0
236	27.0	22.2	33.2

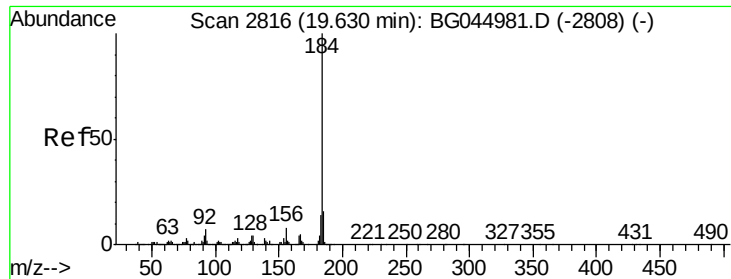


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.699 ng

RT: 19.63 min Scan# 2816

Delta R.T. 0.00 min

Lab File: BG045088.D

Acq: 19 Apr 2020 5:00

Instrument :

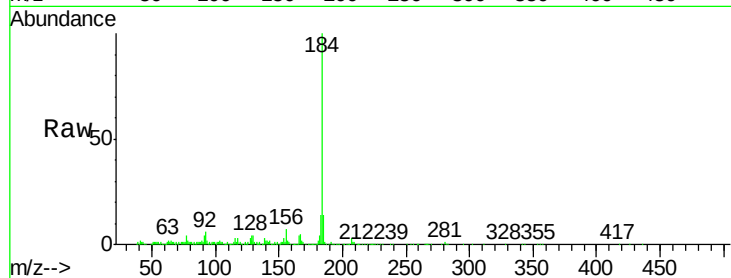
BNA_G

ClientSampleId :

GROUNDWATER

Tot Ion:184 Resp: 212080

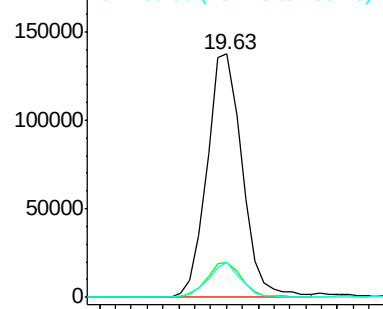
Ion	Ratio	Lower	Upper
184	100		
185	14.4	12.6	19.0
183	14.2	11.3	16.9



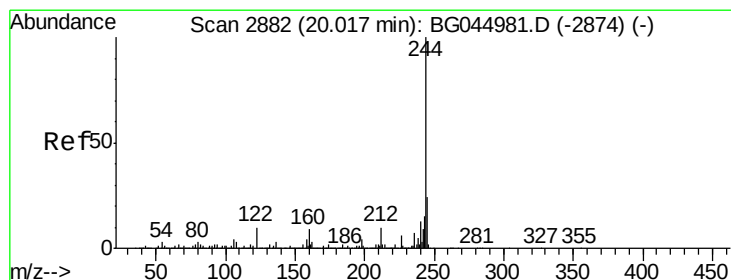
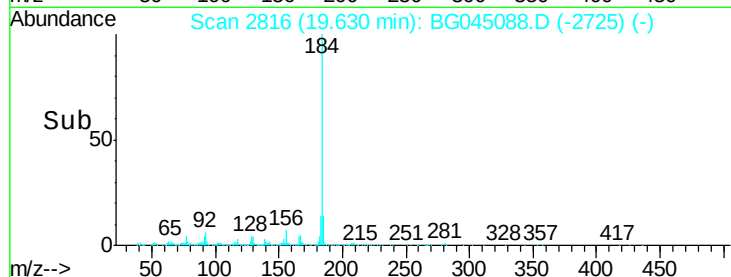
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time--> 19.55 19.60 19.65 19.70



#79

Terphenyl-d14

Concen: 55.123 ng

RT: 20.02 min Scan# 2882

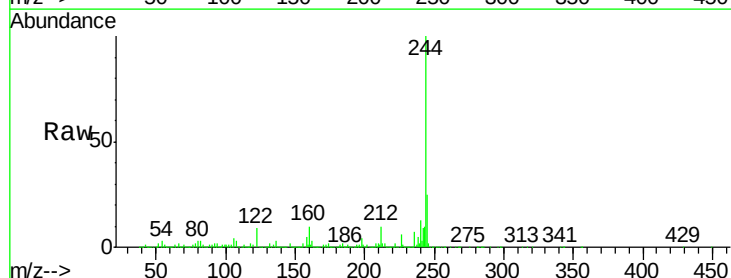
Delta R.T. 0.00 min

Lab File: BG045088.D

Acq: 19 Apr 2020 5:00

Tgt Ion:244 Resp: 2231946

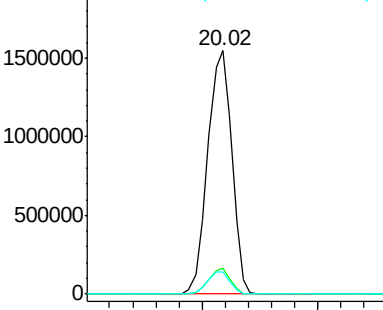
Ion	Ratio	Lower	Upper
244	100		
212	10.4	7.9	11.9
122	9.2	7.7	11.5



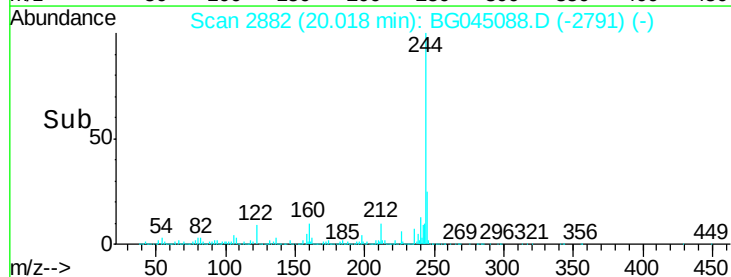
Abundance Ion 244.00 (243.70 to 244.70): E

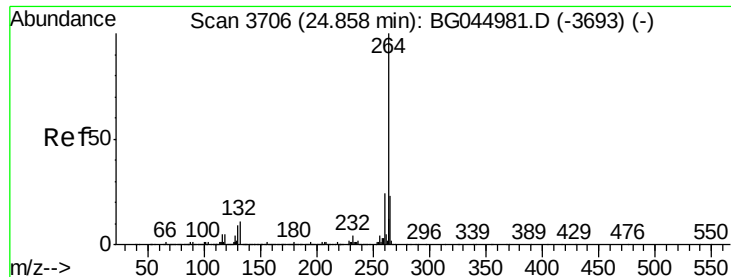
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 20.00 20.10





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3707
 Delta R.T. 0.01 min
 Lab File: BG045088.D
 Acq: 19 Apr 2020 5:00

Instrument :
 BNA_G
 ClientSampleId :
 GROUNDWATER

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.5	19.0	28.4

