

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012720\
 Data File : BG044214.D
 Acq On : 27 Jan 2020 14:06
 Operator : CG/JU
 Sample : L1173-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 0048-SITE-WATER

Quant Time: Jan 28 00:38:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

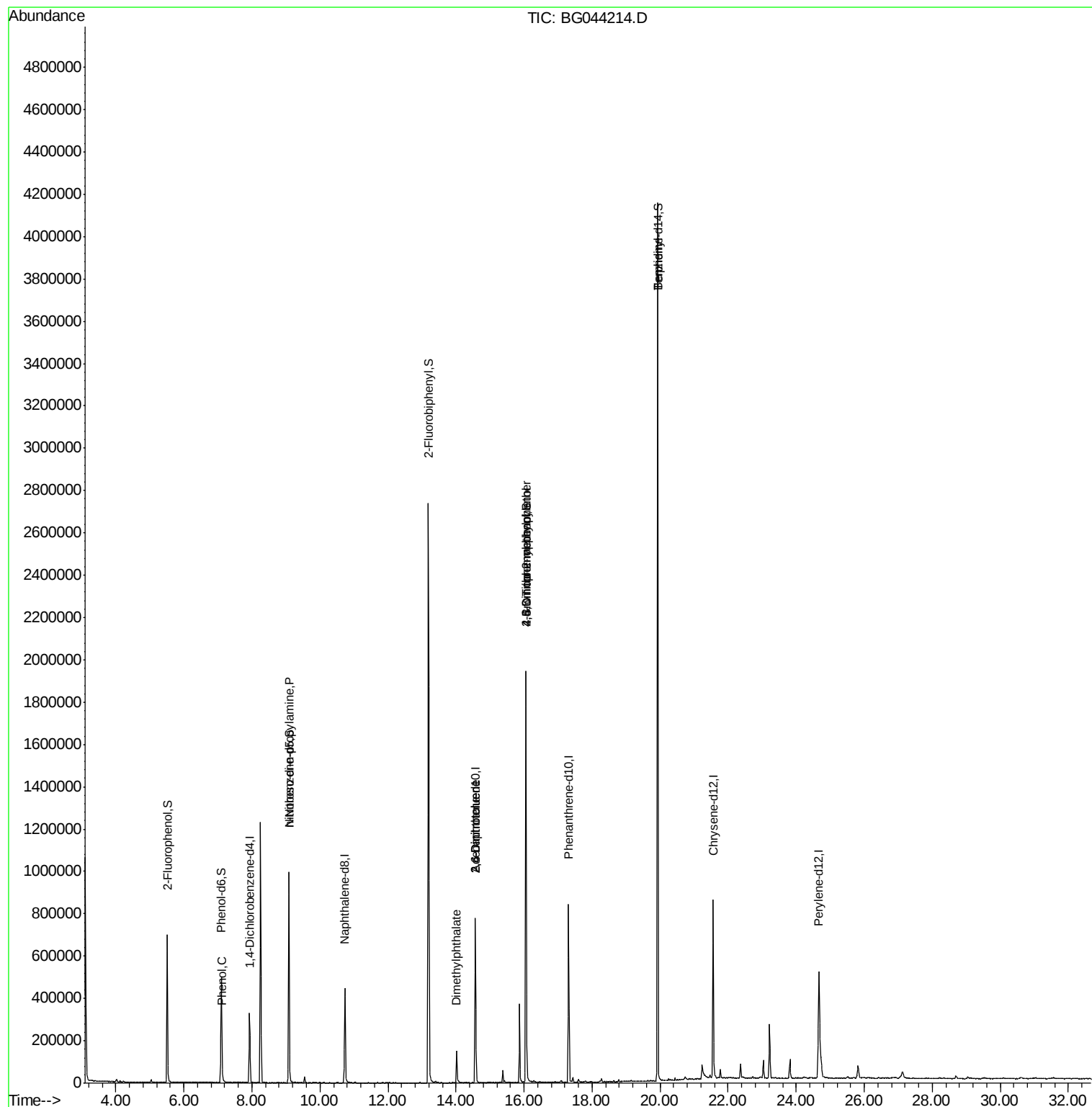
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	100006	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	441530	20.00	ng	-0.03
39) Acenaphthene-d10	14.57	164	296342	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	576328	20.00	ng	-0.03
76) Chrysene-d12	21.56	240	508011	20.00	ng	-0.03
87) Perylene-d12	24.67	264	564201	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	345456	63.43	ng	-0.03
7) Phenol-d6	7.10	99	342021	44.92	ng	-0.02
23) Nitrobenzene-d5	9.09	82	642581	77.86	ng	-0.03
42) 2,4,6-Tribromophenol	16.06	330	403349	130.06	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1559297	95.33	ng	-0.03
79) Terphenyl-d14	19.93	244	1979660	97.60	ng	-0.03
Target Compounds						
10) Phenol	7.13	94	26003	3.315	ng	98
19) n-Nitroso-di-n-propylamine	9.09	70	84830	14.962	ng	# 77
50) Dimethylphthalate	14.02	163	125775	5.977	ng	98
51) 2,6-Dinitrotoluene	14.57	165	39068	8.215	ng	# 26
57) 2,4-Dinitrotoluene	14.57	165	39141	6.048	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.05	198	1334	4.798	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	27537	4.248	ng	# 1
77) Benzidine	19.93	184	33714	2.640	ng	# 92

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

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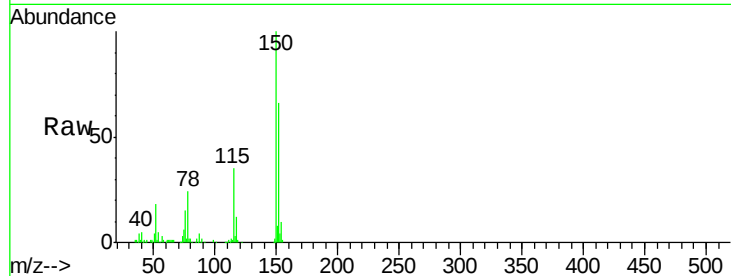


#1

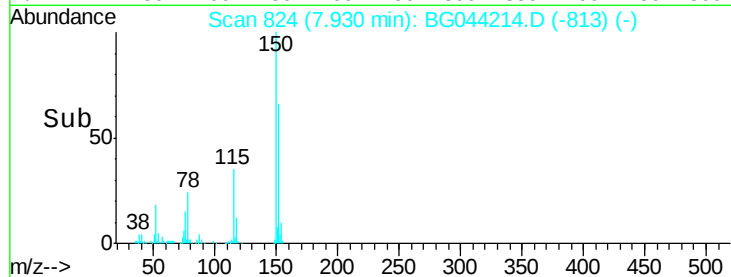
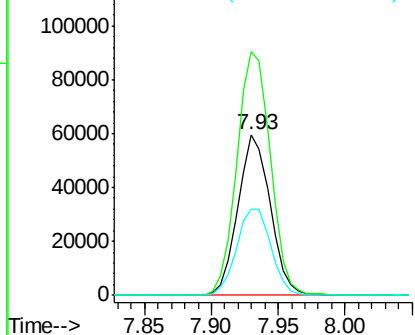
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044214.D
Acq: 27 Jan 2020 14:06

Instrument :
BNA_G
ClientSampleId :
0048-SITE-WATER

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.5	127.0	190.4
115	53.3	47.8	71.8



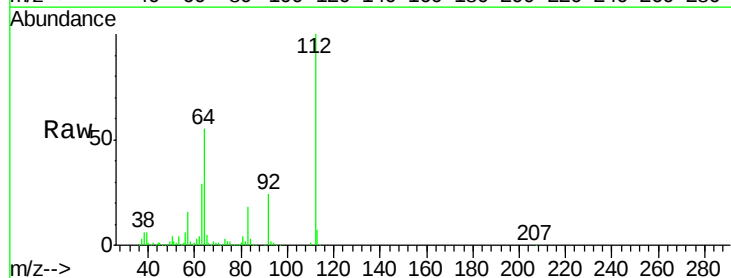
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



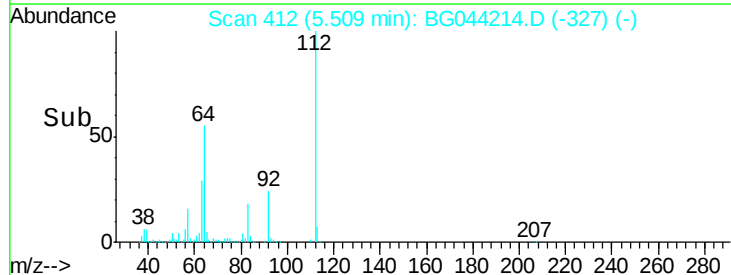
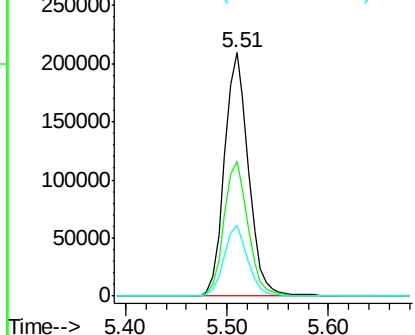
#5

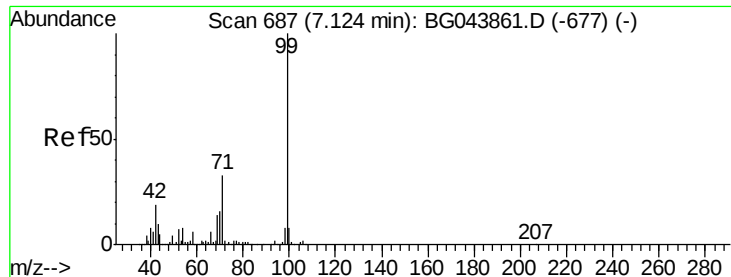
2-Fluorophenol
Concen: 63.426 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044214.D
Acq: 27 Jan 2020 14:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	47.8	71.6
63	29.1	24.3	36.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 44.924 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044214.D

Acq: 27 Jan 2020 14:06

Instrument :

BNA_G

ClientSampleId :

0048-SITE-WATER

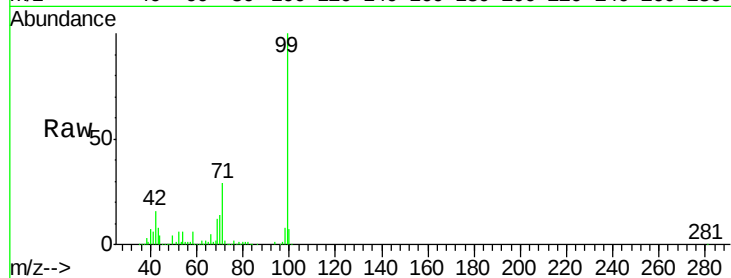
Tot Ion: 99 Resp: 342021

Ion Ratio Lower Upper

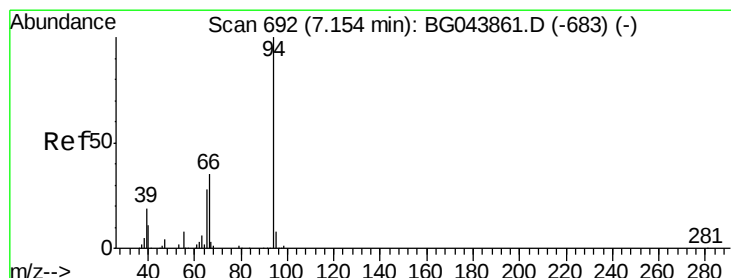
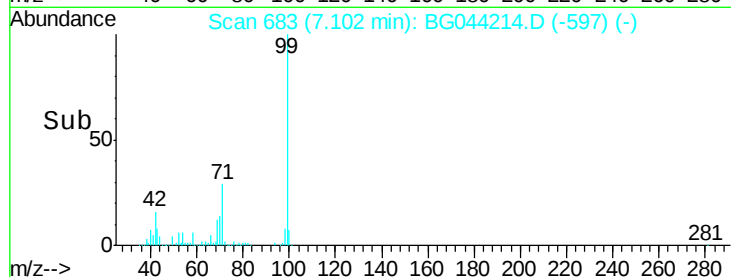
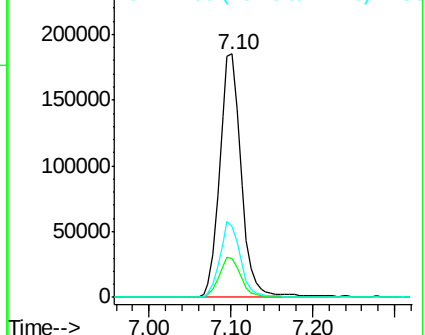
99 100

42 16.2 14.9 22.3

71 29.0 26.4 39.6



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: 3.315 ng

RT: 7.13 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044214.D

Acq: 27 Jan 2020 14:06

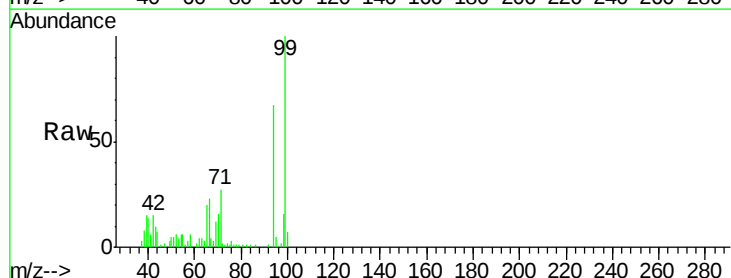
Tgt Ion: 94 Resp: 26003

Ion Ratio Lower Upper

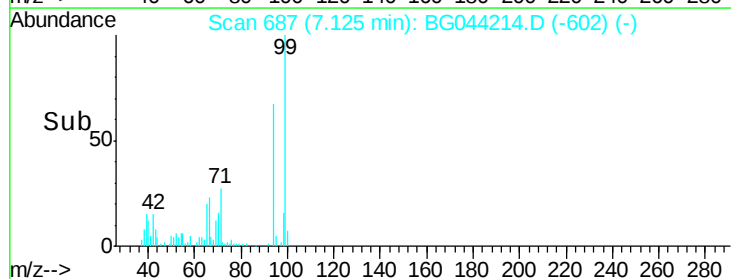
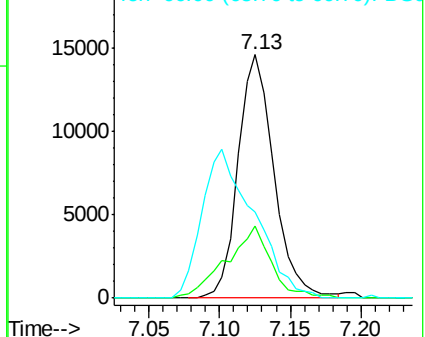
94 100

65 29.6 8.1 48.1

66 35.2 15.6 55.6



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

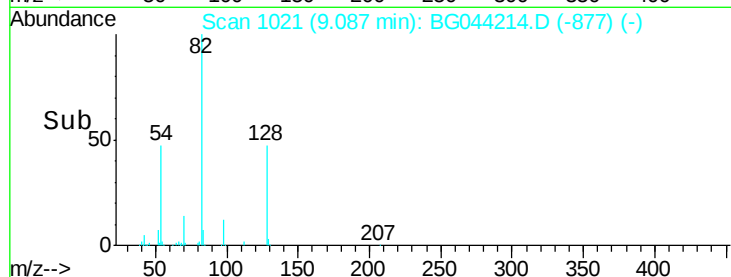
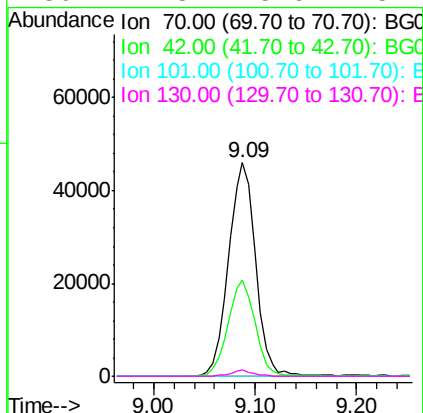
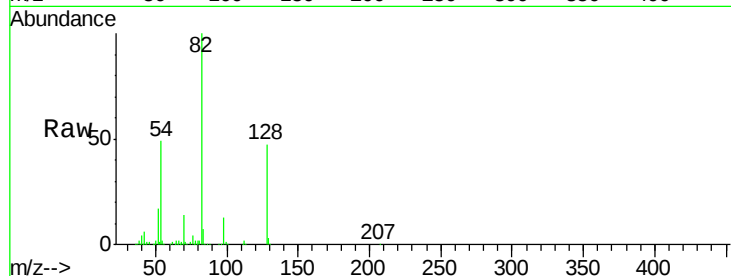




#19
n-Nitroso-di-n-propylamine
Concen: 14.962 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.32 min
Lab File: BG044214.D
Acq: 27 Jan 2020 14:06

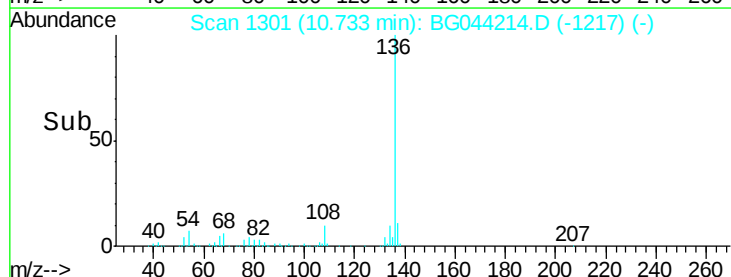
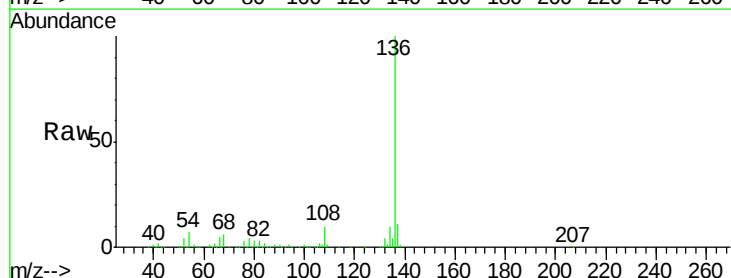
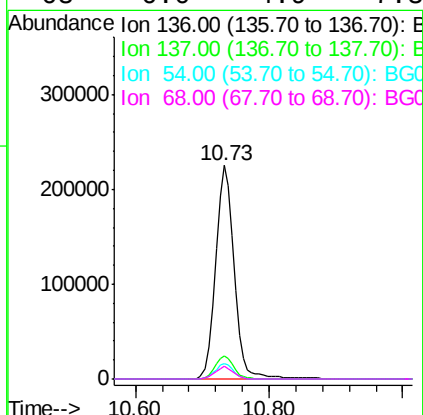
Instrument :
BNA_G
ClientSampleId :
0048-SITE-WATER

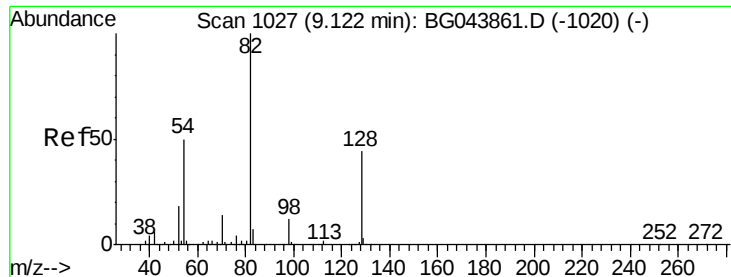
Tot Ion: 70 Resp: 84830
Ion Ratio Lower Upper
70 100
42 44.7 47.0 70.4#
101 0.0 7.2 10.8#
130 2.8 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044214.D
Acq: 27 Jan 2020 14:06

Tgt Ion: 136 Resp: 441530
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.1 7.0 10.4
68 6.0 4.9 7.3

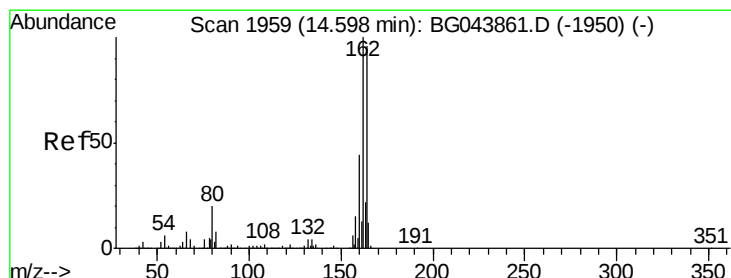
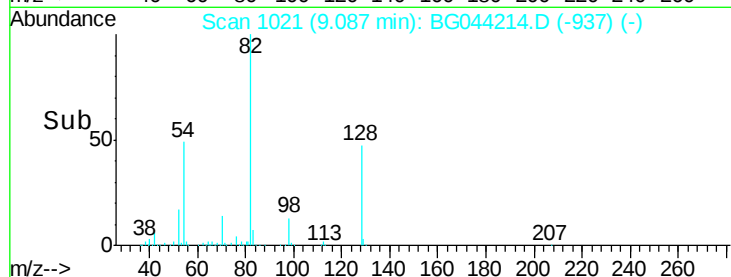
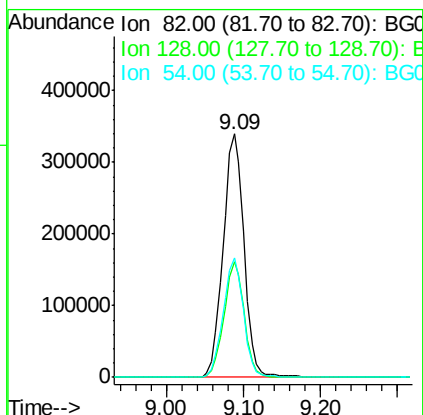
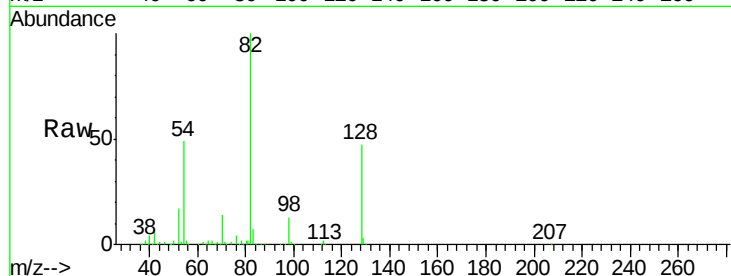




#23
Nitrobenzene-d5
Concen: 77.855 ng
RT: 9.09 min Scan# 1021
Delta R.T. -0.03 min
Lab File: BG044214.D
Acq: 27 Jan 2020 14:06

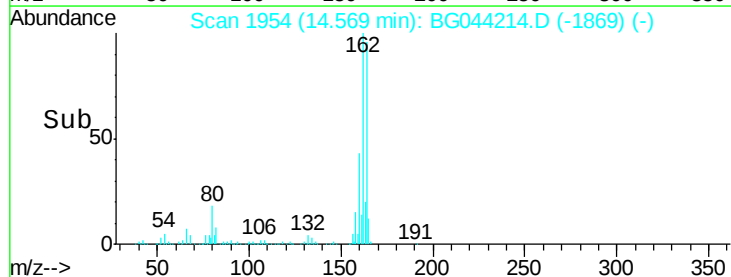
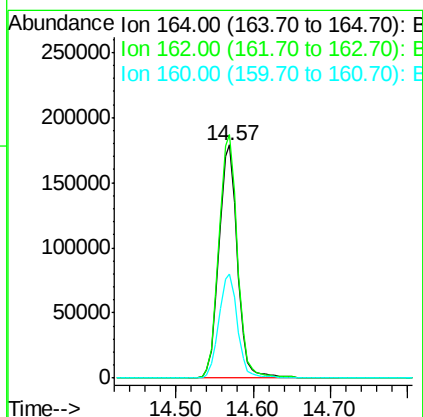
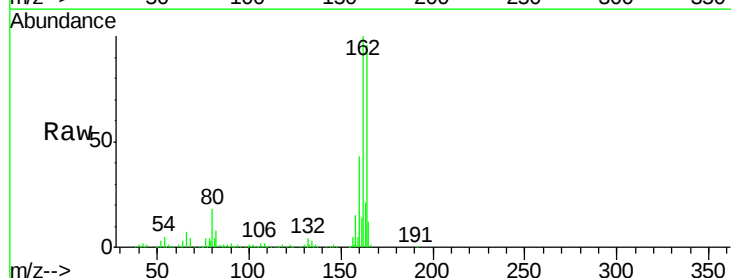
Instrument :
BNA_G
ClientSampleId :
0048-SITE-WATER

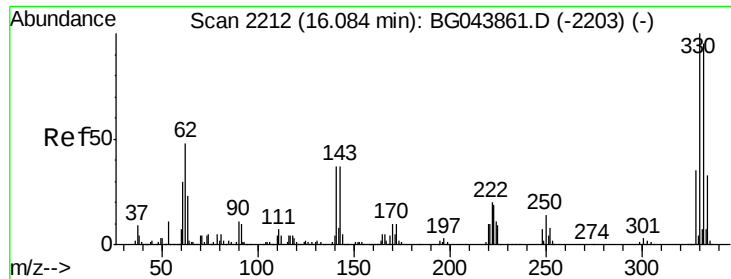
Tot Ion	82	Resp	642581
Ion Ratio	Lower	Upper	
82	100		
128	47.4	35.1	52.7
54	49.2	40.1	60.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.57 min Scan# 1954
Delta R.T. -0.03 min
Lab File: BG044214.D
Acq: 27 Jan 2020 14:06

Tgt Ion	164	Resp	296342
Ion Ratio	Lower	Upper	
164	100		
162	104.4	83.0	124.4
160	44.6	36.1	54.1





#42

2,4,6-Tribromophenol

Concen: 130.064 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044214.D

Acq: 27 Jan 2020 14:06

Instrument :

BNA_G

ClientSampleId :

0048-SITE-WATER

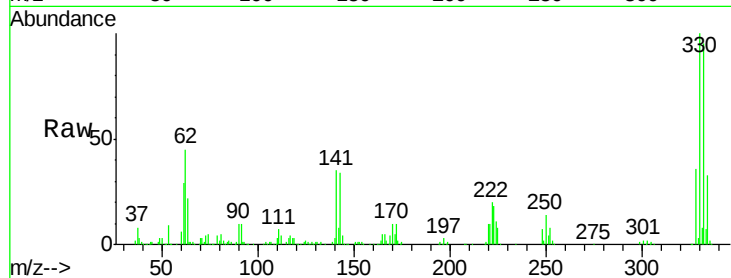
Tot Ion:330 Resp: 403349

Ion Ratio Lower Upper

330 100

332 95.8 77.2 115.8

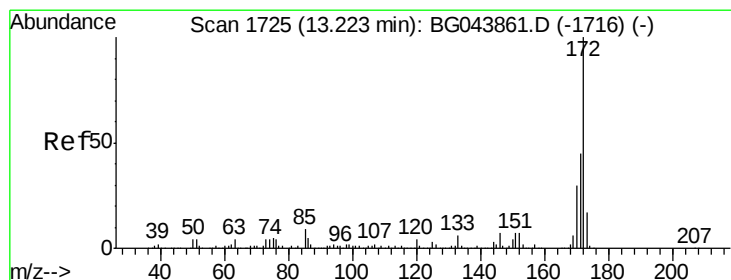
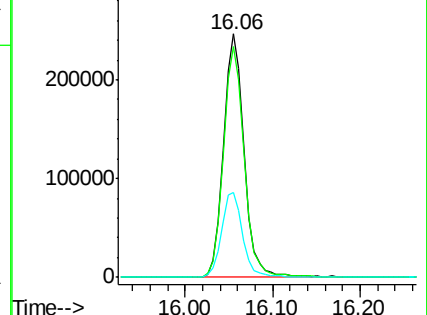
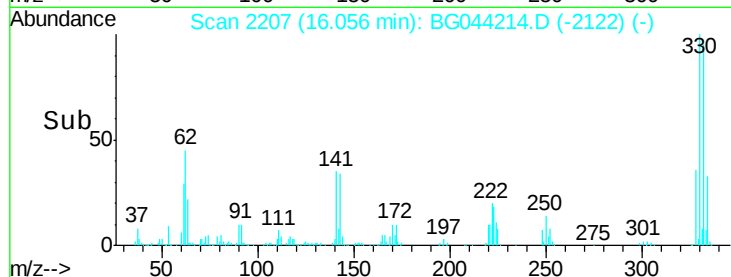
141 36.1 33.1 49.7



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: 95.332 ng

RT: 13.19 min Scan# 1719

Delta R.T. -0.03 min

Lab File: BG044214.D

Acq: 27 Jan 2020 14:06

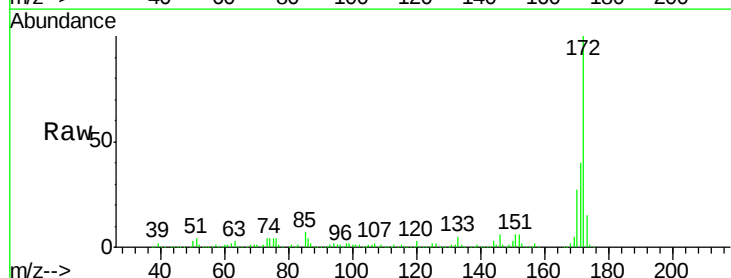
Tgt Ion:172 Resp: 1559297

Ion Ratio Lower Upper

172 100

171 40.1 35.8 53.8

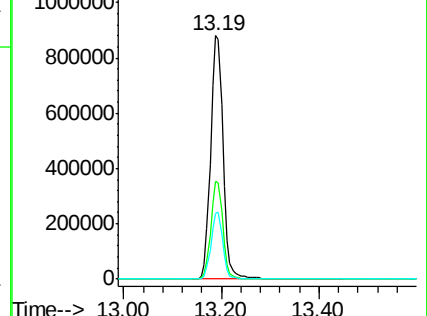
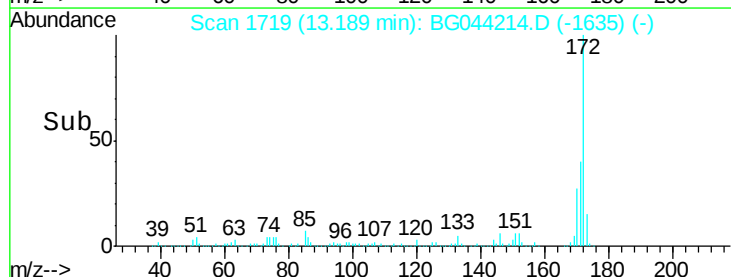
170 26.8 24.2 36.4

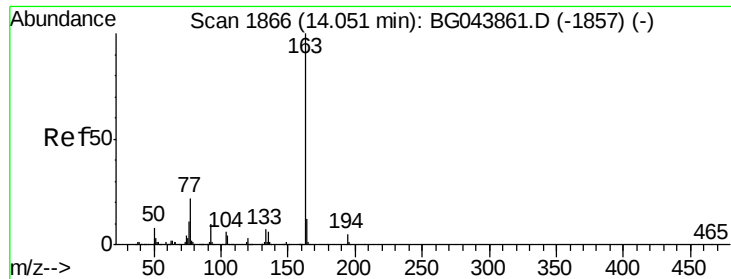


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

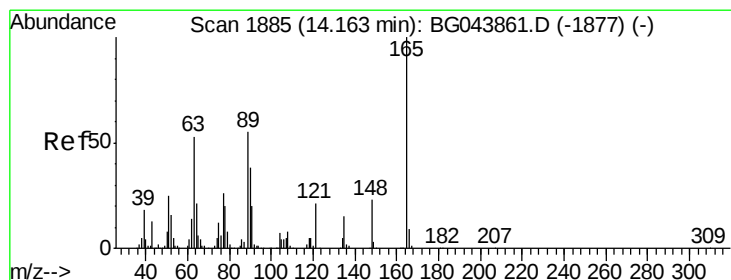
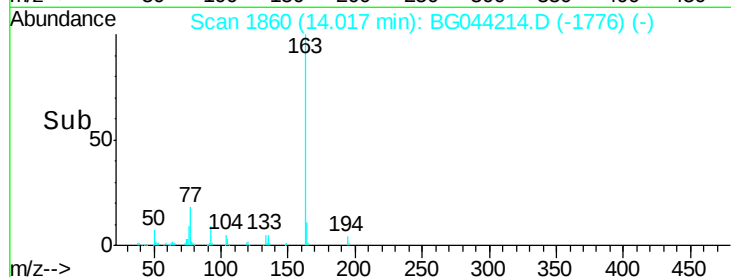
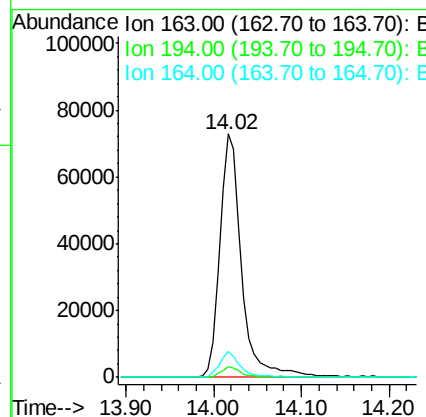
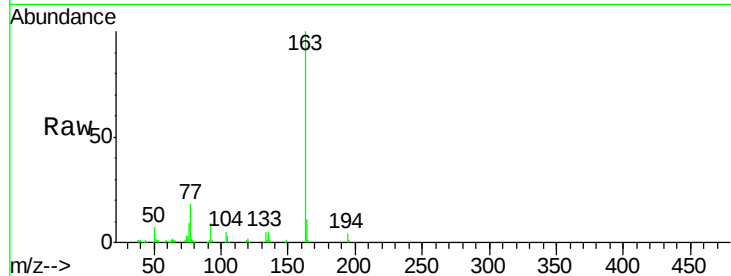




#50
Dimethylphthalate
Concen: 5.977 ng
RT: 14.02 min Scan# 1860
Delta R.T. -0.03 min
Lab File: BG044214.D
Acq: 27 Jan 2020 14:06

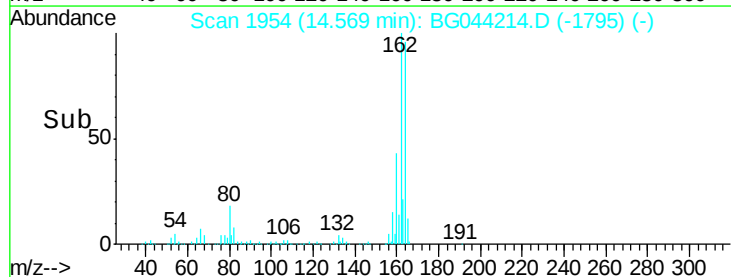
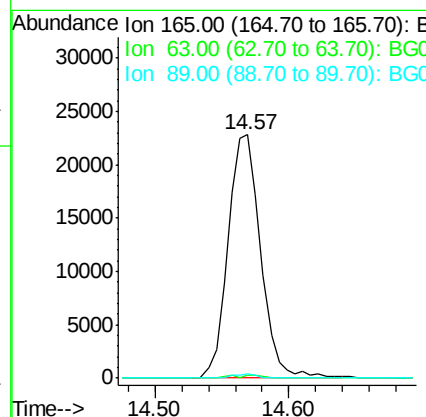
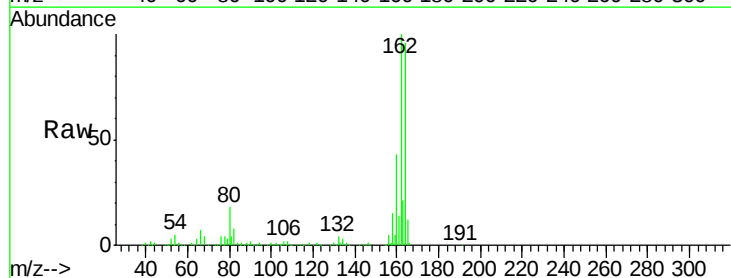
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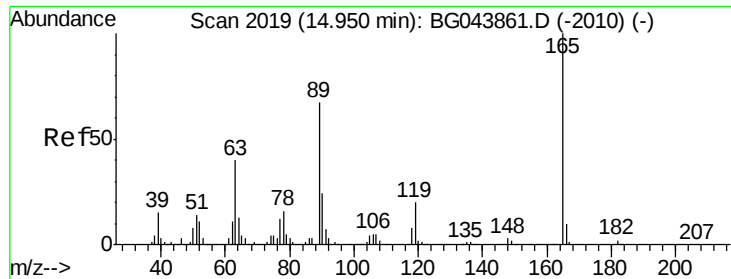
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.7	5.5
164	10.8	9.3	13.9



#51
2,6-Dinitrotoluene
Concen: 8.215 ng
RT: 14.57 min Scan# 1954
Delta R.T. 0.41 min
Lab File: BG044214.D
Acq: 27 Jan 2020 14:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	43.1	64.7#
89	1.5	43.8	65.6#

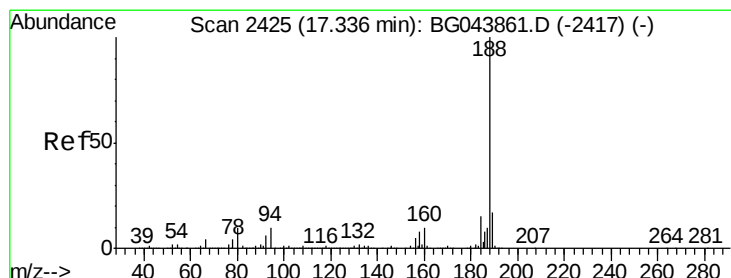
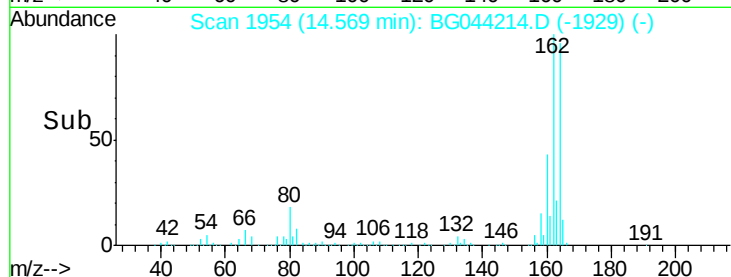
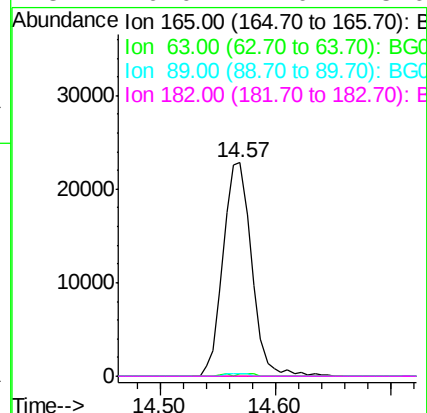
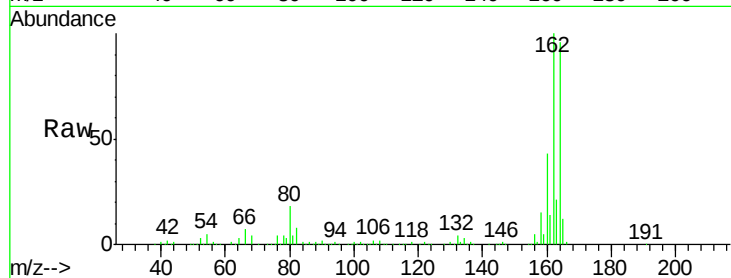




#57
2,4-Dinitrotoluene
Concen: 6.048 ng
RT: 14.57 min Scan# 1954
Delta R.T. -0.38 min
Lab File: BG044214.D
Acq: 27 Jan 2020 14:06

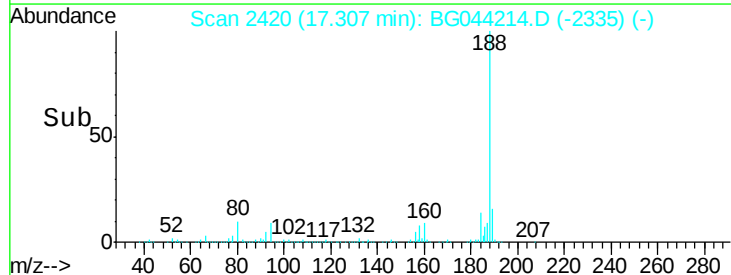
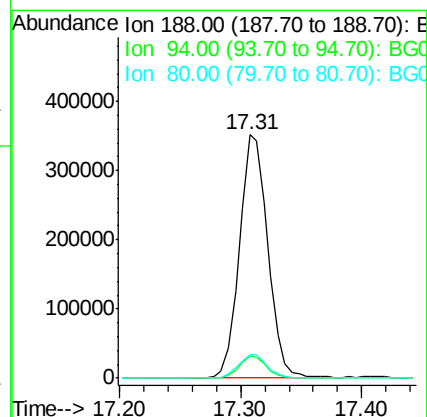
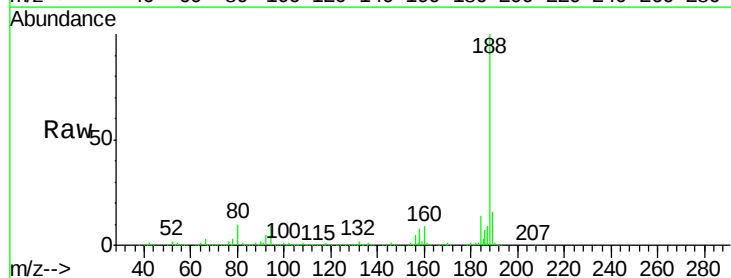
Instrument :
BNA_G
ClientSampleId :
0048-SITE-WATER

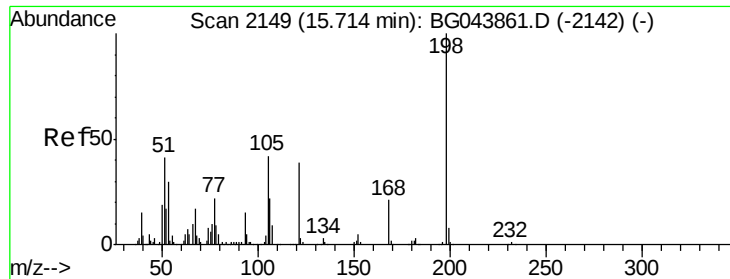
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	31.9	47.9#
89	1.5	53.8	80.6#
182	0.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.31 min Scan# 2420
Delta R.T. -0.03 min
Lab File: BG044214.D
Acq: 27 Jan 2020 14:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.9	11.9
80	9.6	8.2	12.4





#65

4,6-Dinitro-2-methylphenol

Concen: 4.798 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.34 min

Lab File: BG044214.D

Acq: 27 Jan 2020 14:06

Instrument :

BNA_G

ClientSampleId :

0048-SITE-WATER

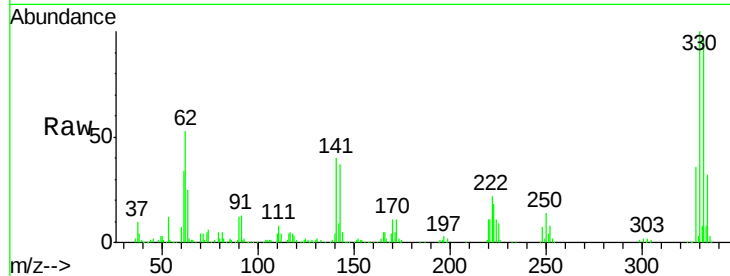
Tot Ion:198 Resp: 1334

Ion Ratio Lower Upper

198 100

51 133.6 22.5 62.5#

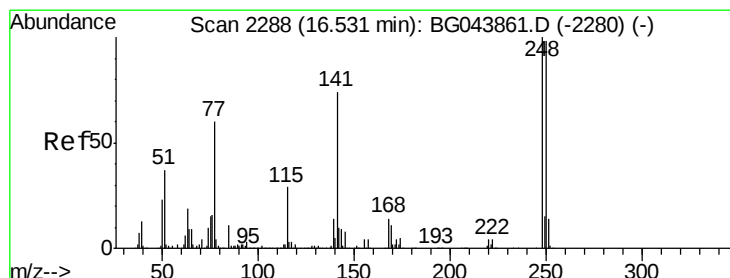
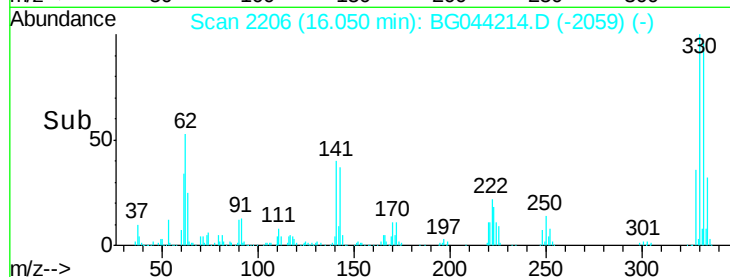
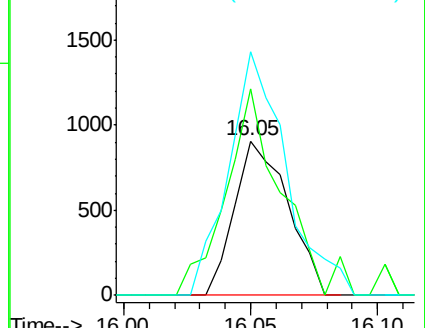
105 157.5 22.3 62.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.248 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.48 min

Lab File: BG044214.D

Acq: 27 Jan 2020 14:06

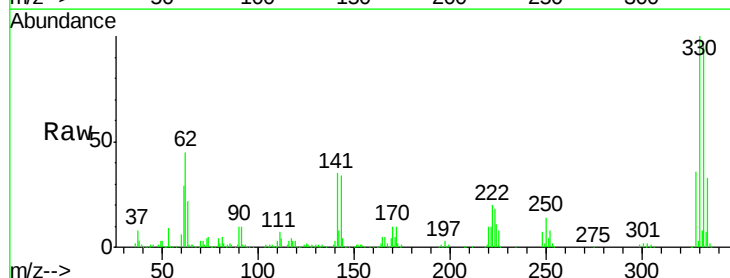
Tgt Ion:248 Resp: 27537

Ion Ratio Lower Upper

248 100

250 199.7 78.2 117.2#

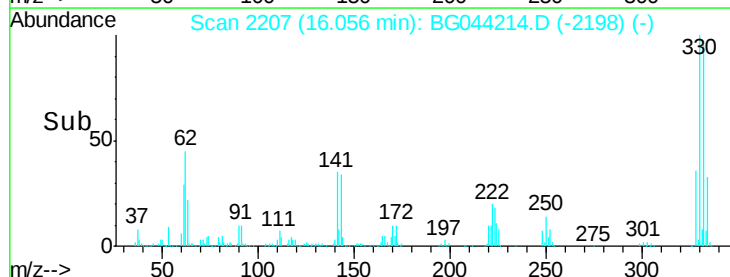
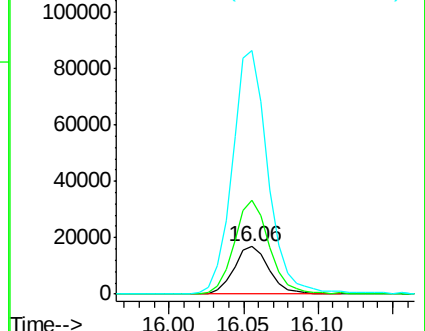
141 514.5 59.3 88.9#

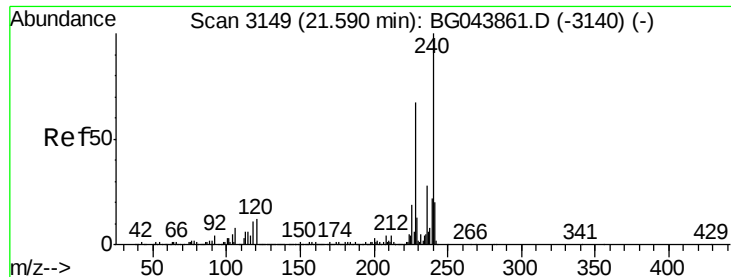


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

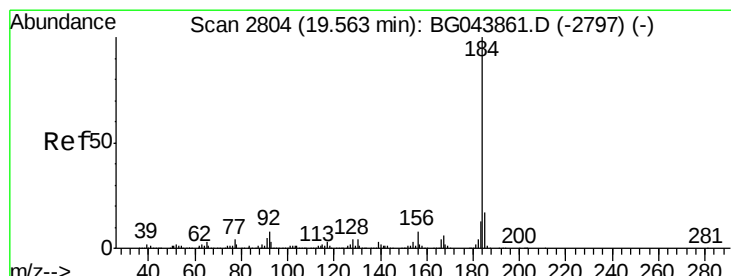
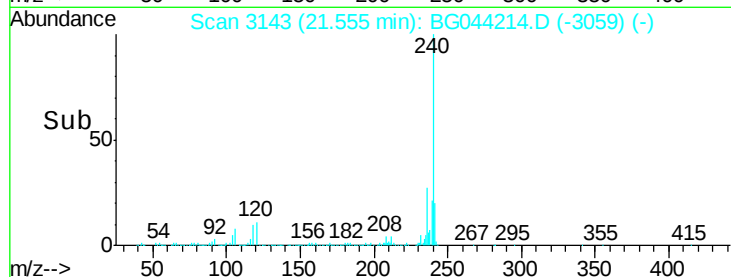
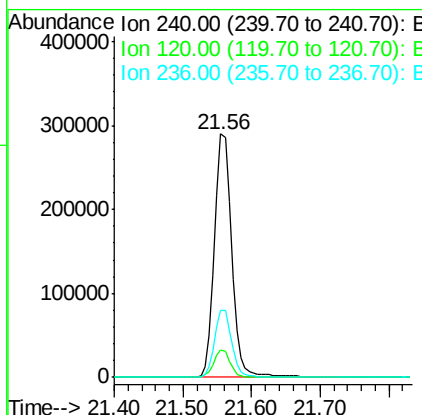
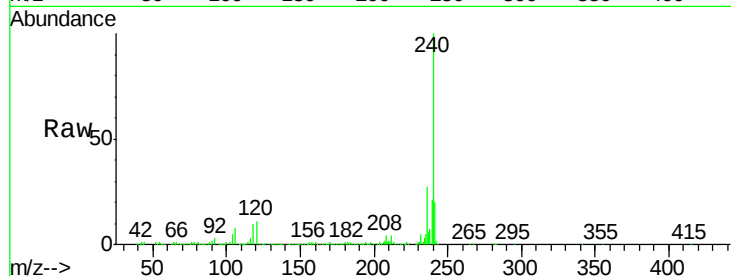




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.56 min Scan# 3143
Delta R.T. -0.03 min
Lab File: BG044214.D
Acq: 27 Jan 2020 14:06

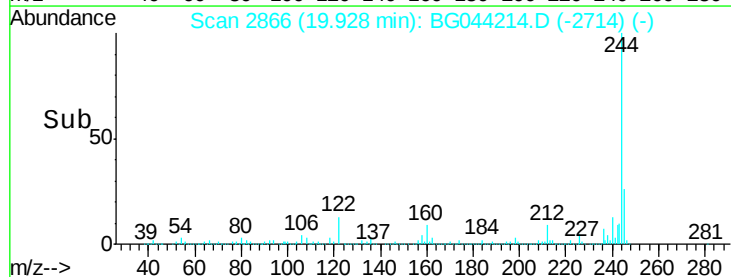
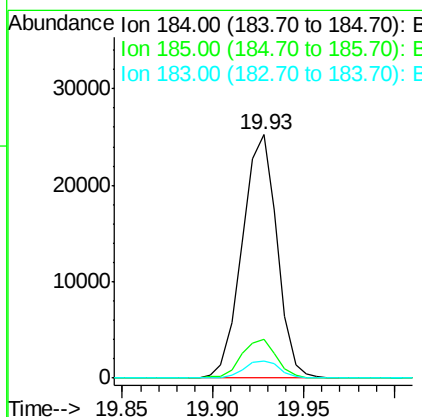
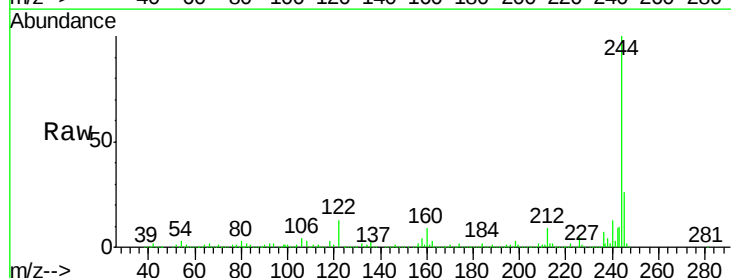
Instrument :
BNA_G
ClientSampleId :
0048-SITE-WATER

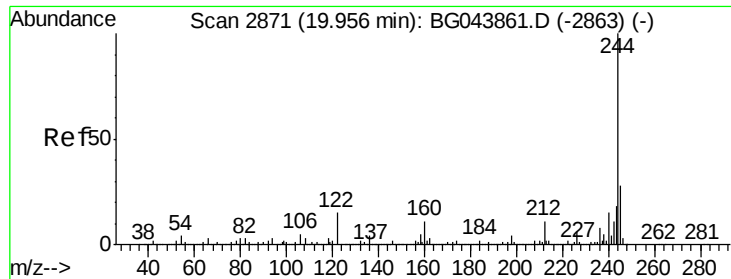
Tot Ion:240 Resp: 508011
Ion Ratio Lower Upper
240 100
120 11.2 9.6 14.4
236 27.5 22.2 33.2



#77
Benzidine
Concen: 2.640 ng
RT: 19.93 min Scan# 2866
Delta R.T. 0.37 min
Lab File: BG044214.D
Acq: 27 Jan 2020 14:06

Tgt Ion:184 Resp: 33714
Ion Ratio Lower Upper
184 100
185 16.1 13.4 20.0
183 7.1 10.6 15.8#





#79

Terphenyl-d14

Concen: 97.597 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044214.D

Acq: 27 Jan 2020 14:06

Instrument :

BNA_G

ClientSampleId :

0048-SITE-WATER

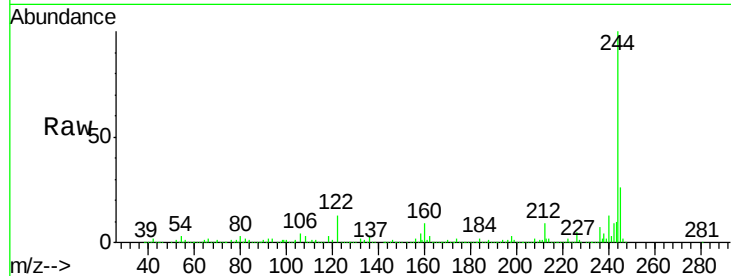
Tot Ion:244 Resp: 1979660

Ion	Ratio	Lower	Upper
244	100		
212	9.4	8.6	13.0
122	12.5	11.9	17.9

244 100

212 9.4 8.6 13.0

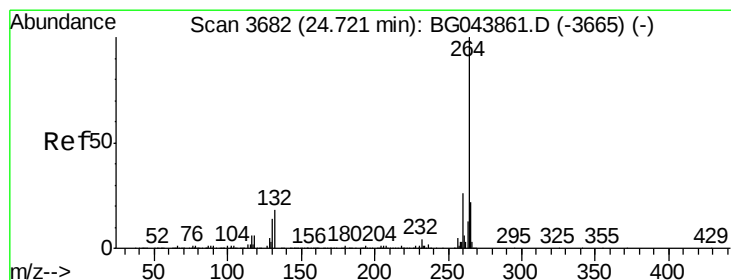
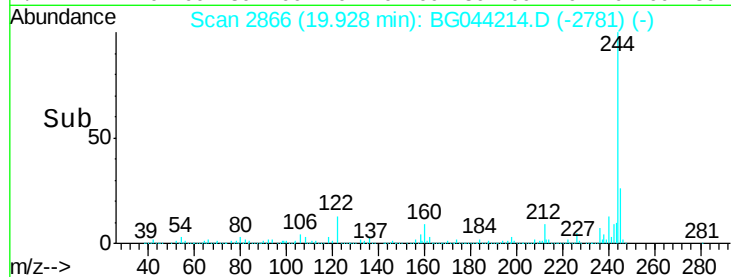
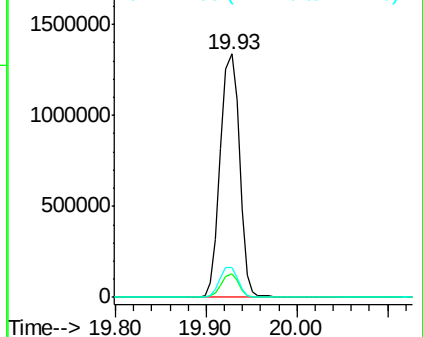
122 12.5 11.9 17.9



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: 24.67 min Scan# 3673

Delta R.T. -0.05 min

Lab File: BG044214.D

Acq: 27 Jan 2020 14:06

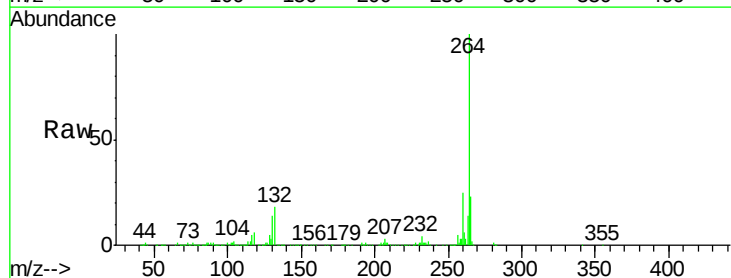
Tgt Ion:264 Resp: 564201

Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.4	30.6
265	23.0	17.4	26.2

264 100

260 24.8 20.4 30.6

265 23.0 17.4 26.2



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

