

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG122118\
 Data File : BG038798.D
 Acq On : 21 Dec 2018 22:44
 Operator : JU/SJ
 Sample : J6516-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EXCAVATION-WATER

Quant Time: Dec 22 01:14:46 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	22444	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	92793	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	64225	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	145429	20.00	ng	0.00
76) Chrysene-d12	21.72	240	138866	20.00	ng	0.00
87) Perylene-d12	25.04	264	150603	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	81712	64.57	ng	0.01
7) Phenol-d6	7.22	99	70282	40.46	ng	0.00
23) Nitrobenzene-d5	9.24	82	173847	95.71	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	152538	172.33	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	478266	102.16	ng	0.00
79) Terphenyl-d14	20.05	244	715298	112.10	ng	0.00

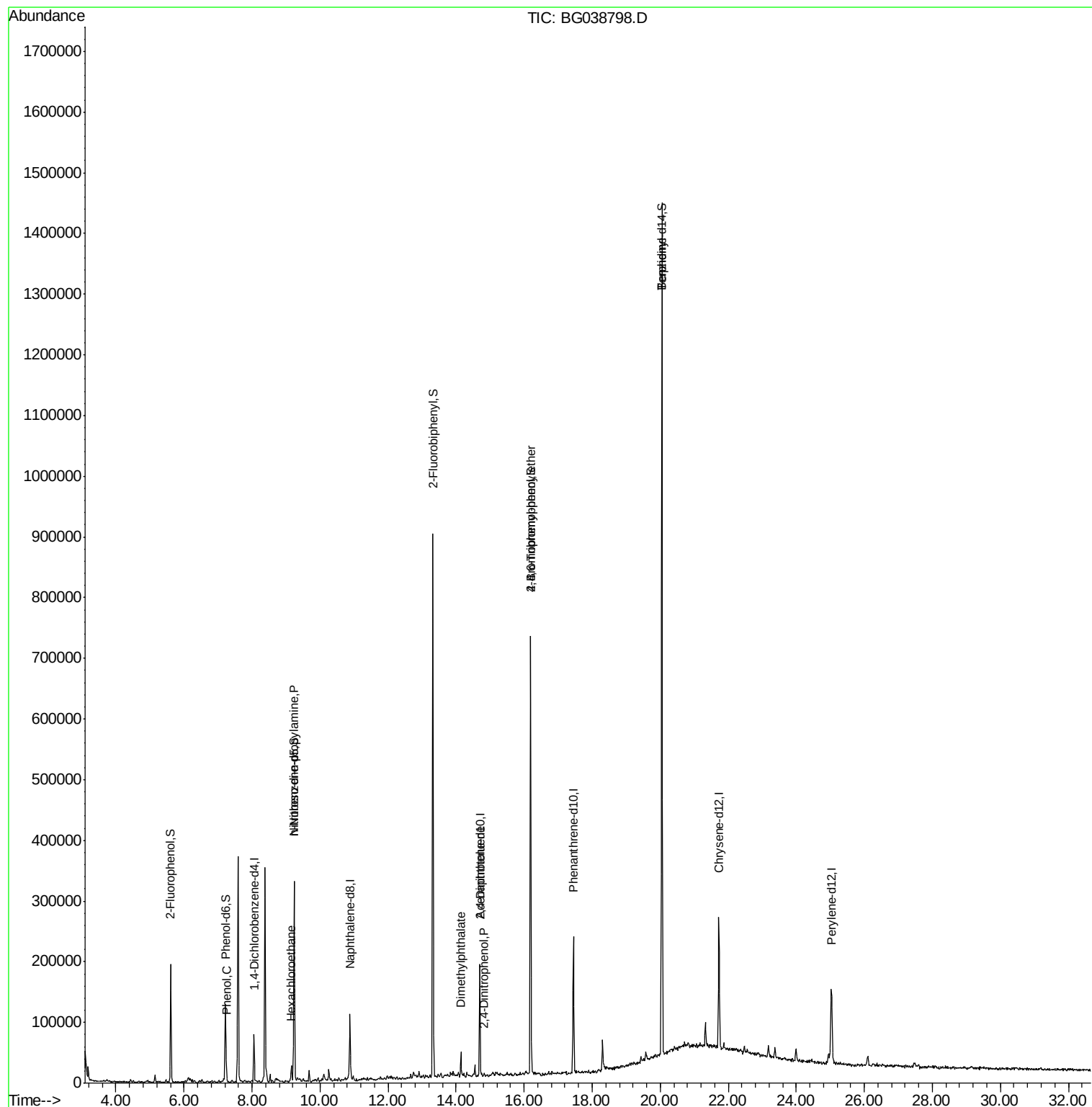
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.25	94	10158	5.504	ng	92
18) Hexachloroethane	9.16	117	3290	5.077	ng	# 1
19) n-Nitroso-di-n-propylamine	9.24	70	24115	19.765	ng	# 67
50) Dimethylphthalate	14.14	163	28239	5.384	ng	97
54) 2,4-Dinitrophenol	14.81	184	53	5.251	ng	# 20
57) 2,4-Dinitrotoluene	14.70	165	8551	5.108	ng	# 23
67) 4-Bromophenyl-phenylether	16.19	248	9787	5.510	ng	# 1
77) Benzidine	20.04	184	12556	3.057	ng	96

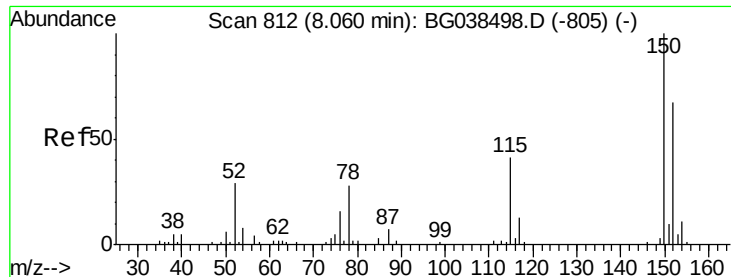
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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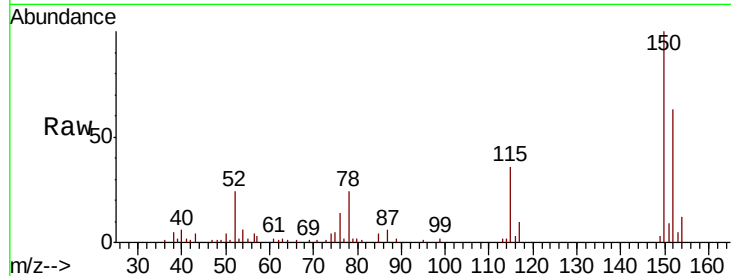


#1

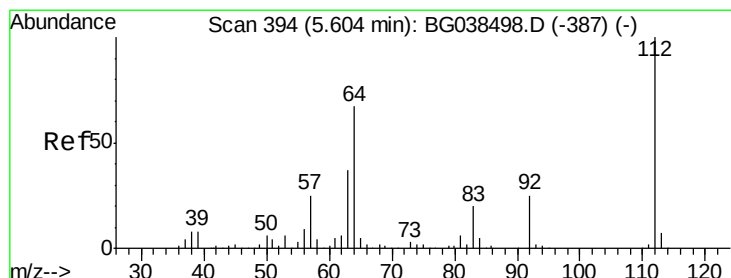
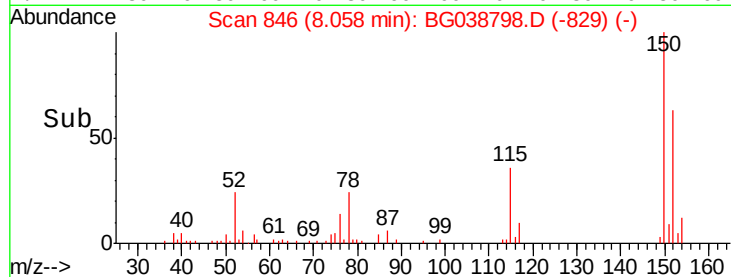
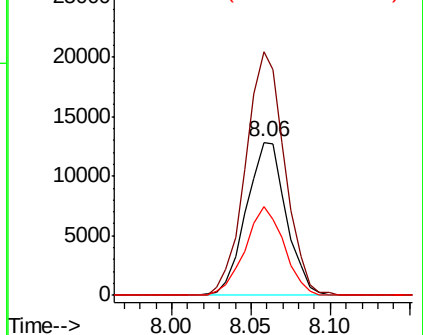
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038798.D
Acq: 21 Dec 2018 22:44

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-WATER

Tgt Ion:152 Resp: 22444
Ion Ratio Lower Upper
152 100
150 159.2 119.5 179.3
115 57.8 49.6 74.4



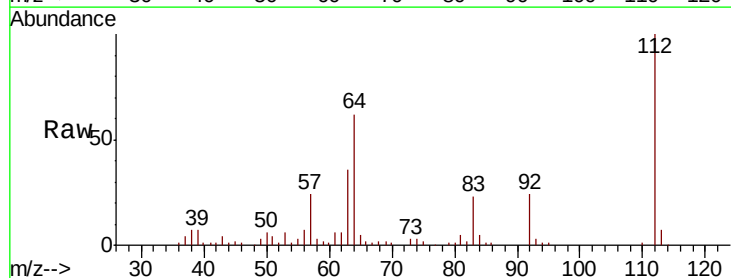
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



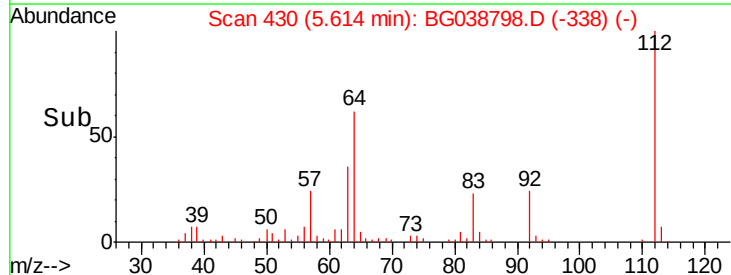
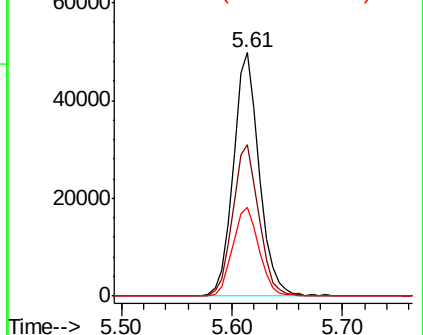
#5

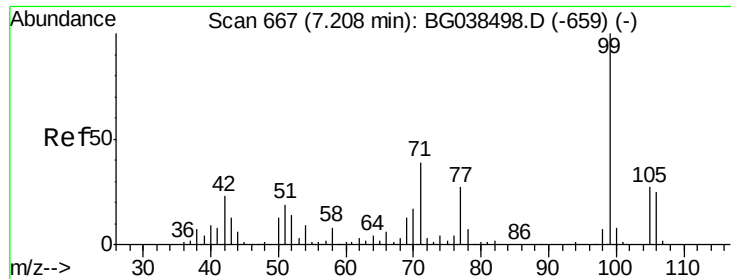
2-Fluorophenol
Concen: 64.573 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG038798.D
Acq: 21 Dec 2018 22:44

Tgt Ion:112 Resp: 81712
Ion Ratio Lower Upper
112 100
64 62.3 53.4 80.2
63 36.2 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: 40.458 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038798.D

Acq: 21 Dec 2018 22:44

Instrument :

BNA_G

ClientSampleId :

EXCAVATION-WATER

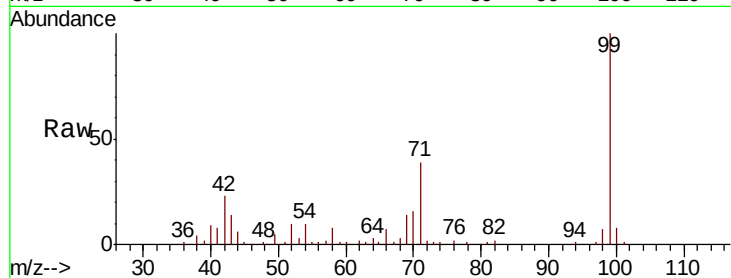
Tgt Ion: 99 Resp: 70282

Ion Ratio Lower Upper

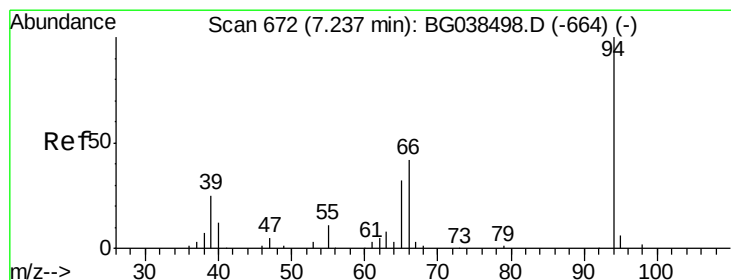
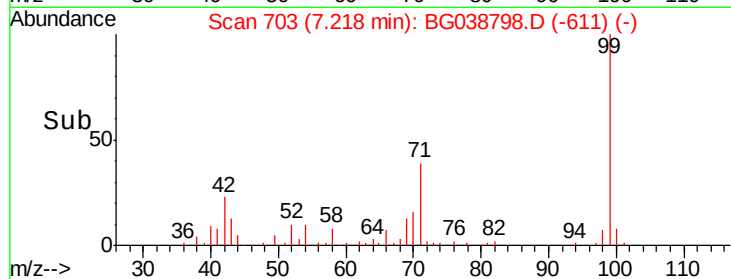
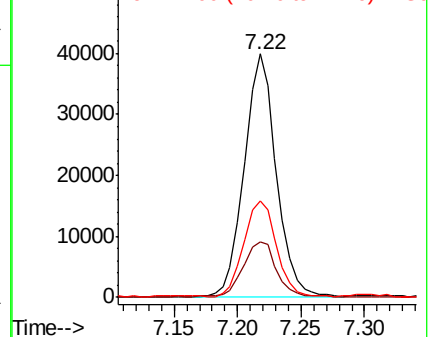
99 100

42 22.8 18.5 27.7

71 39.4 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



#10

Phenol

Concen: 5.504 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.01 min

Lab File: BG038798.D

Acq: 21 Dec 2018 22:44

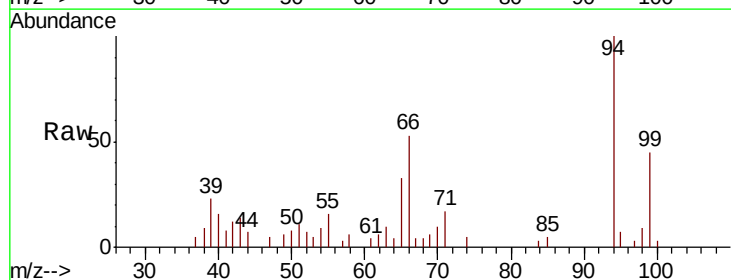
Tgt Ion: 94 Resp: 10158

Ion Ratio Lower Upper

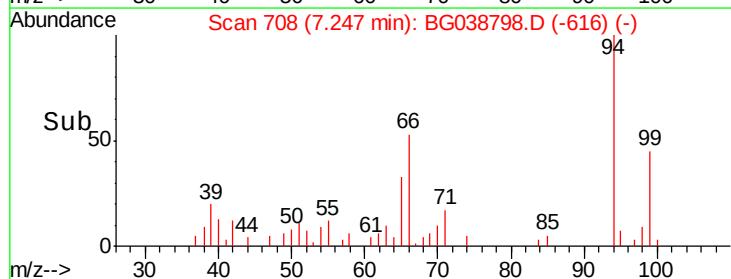
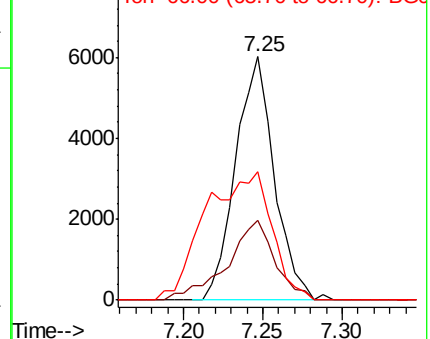
94 100

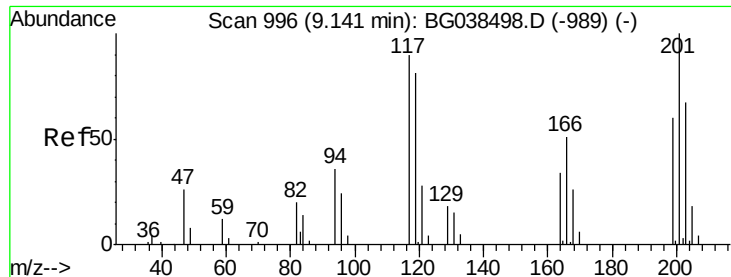
65 32.5 12.6 52.6

66 52.8 24.1 64.1



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





#18

Hexachloroethane

Concen: 5.077 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.02 min

Lab File: BG038798.D

Acq: 21 Dec 2018 22:44

Instrument :

BNA_G

ClientSampleId :

EXCAVATION-WATER

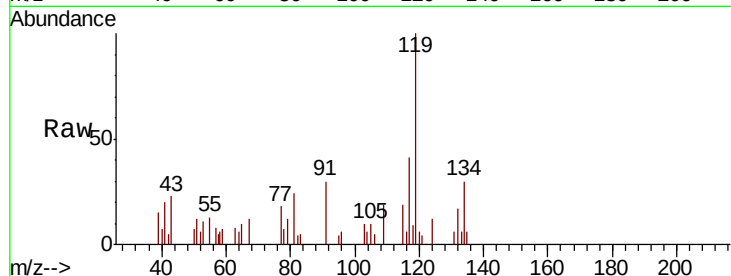
Tgt Ion: 117 Resp: 3290

Ion Ratio Lower Upper

117 100

119 243.7 73.8 110.8#

201 0.0 89.4 134.0#

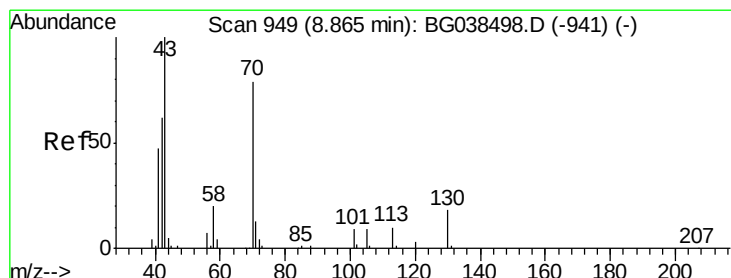
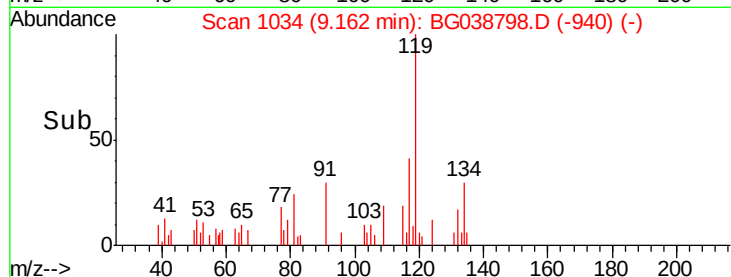
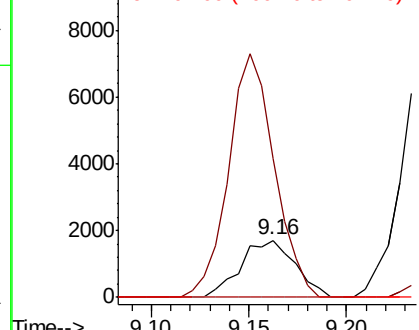


Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 19.765 ng

RT: 9.24 min Scan# 1047

Delta R.T. 0.37 min

Lab File: BG038798.D

Acq: 21 Dec 2018 22:44

Tgt Ion: 70 Resp: 24115

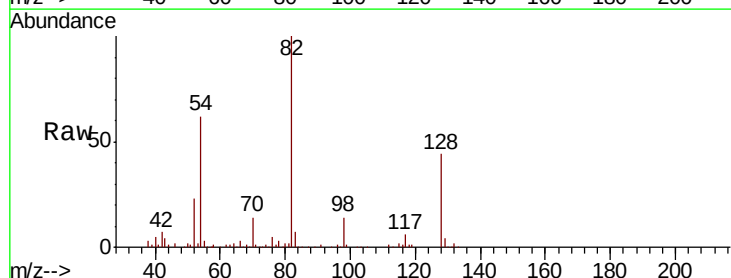
Ion Ratio Lower Upper

70 100

42 53.1 63.6 95.4#

101 0.0 9.2 13.8#

130 2.3 18.5 27.7#



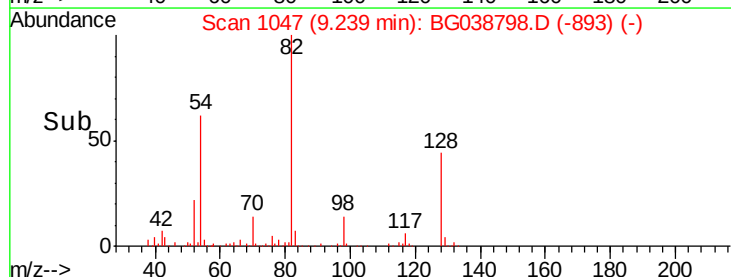
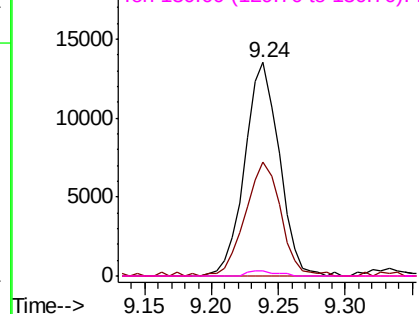
Abundance

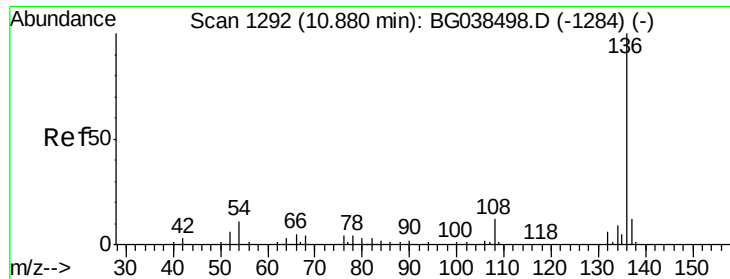
Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

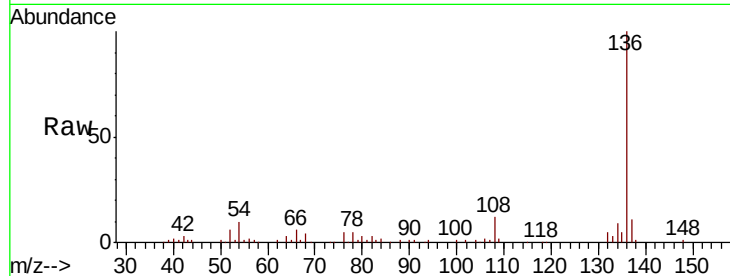




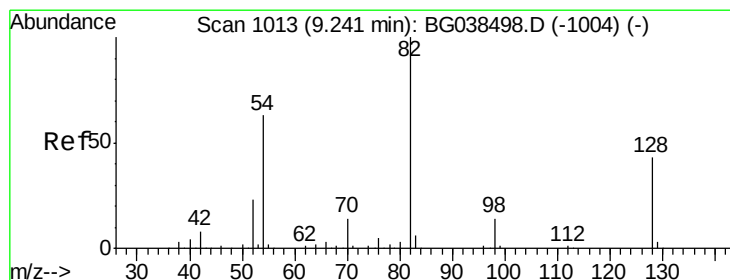
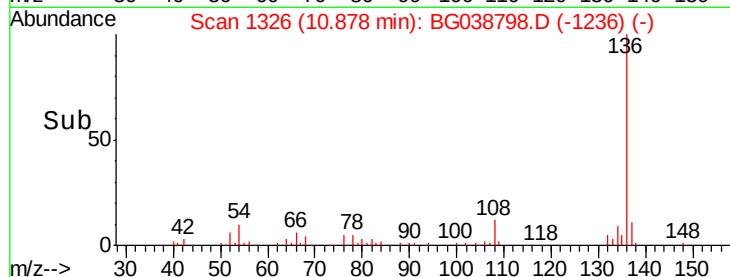
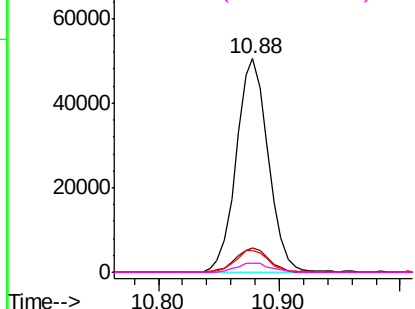
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038798.D
Acq: 21 Dec 2018 22:44

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-WATER

Tgt Ion:	136	Resp:	92793
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	10.5	8.5	12.7
68	4.0	3.5	5.3

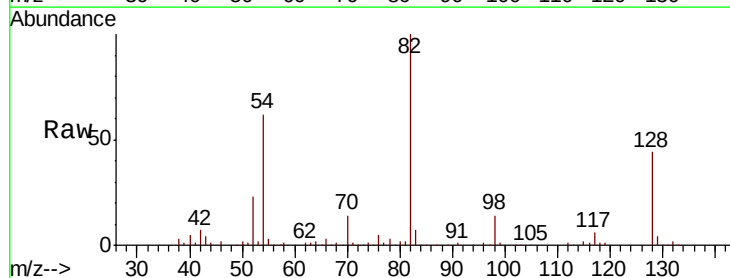


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

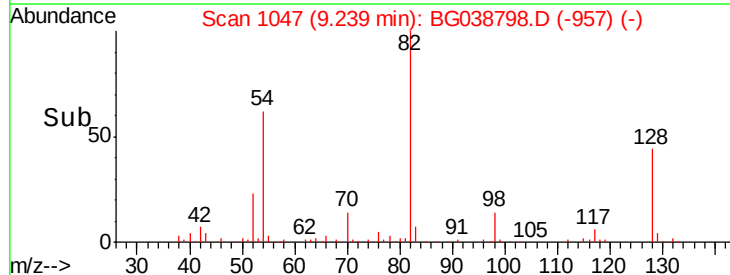
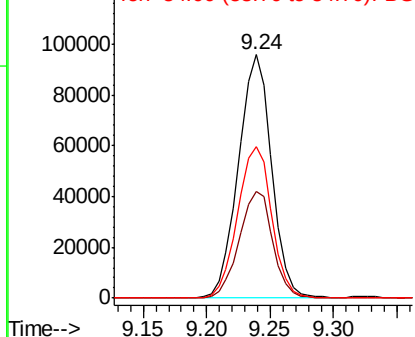


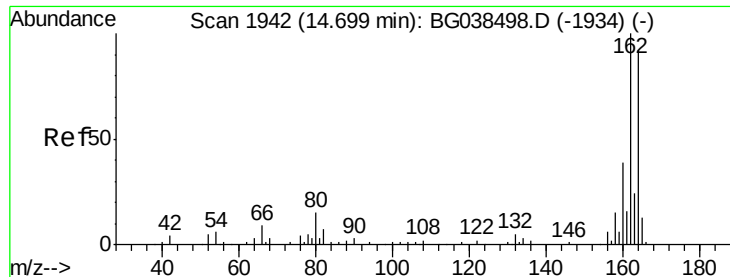
#23
Nitrobenzene-d5
Concen: 95.711 ng
RT: 9.24 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BG038798.D
Acq: 21 Dec 2018 22:44

Tgt Ion:	82	Resp:	173847
Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.6	52.0
54	62.4	50.6	76.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG038798.D

Acq: 21 Dec 2018 22:44

Instrument :

BNA_G

ClientSampleId :

EXCAVATION-WATER

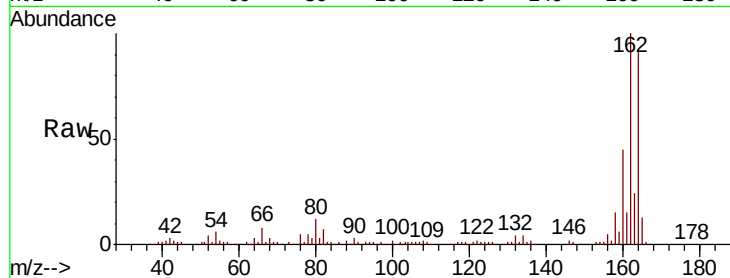
Tgt Ion:164 Resp: 64225

Ion Ratio Lower Upper

164 100

162 108.5 86.6 130.0

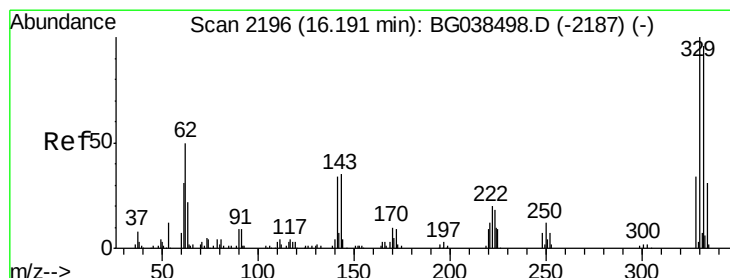
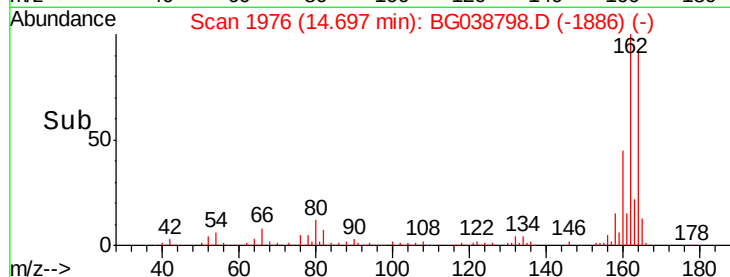
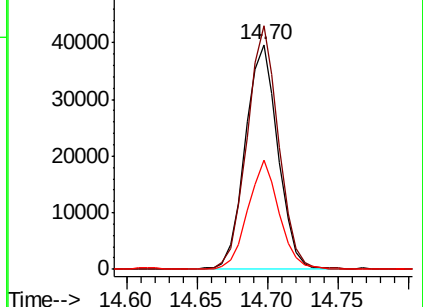
160 48.5 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 172.333 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BG038798.D

Acq: 21 Dec 2018 22:44

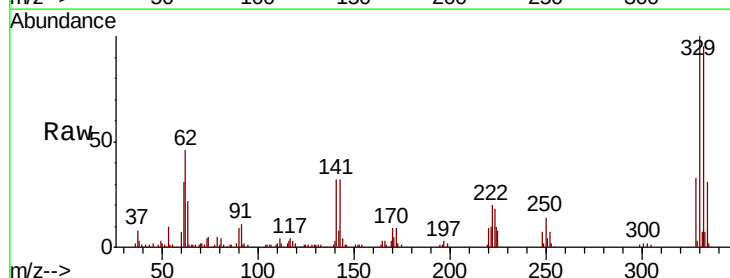
Tgt Ion:330 Resp: 152538

Ion Ratio Lower Upper

330 100

332 94.5 76.9 115.3

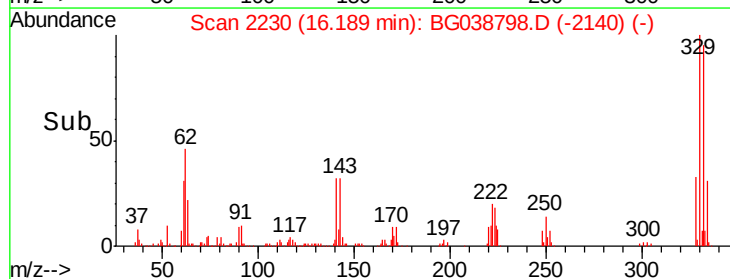
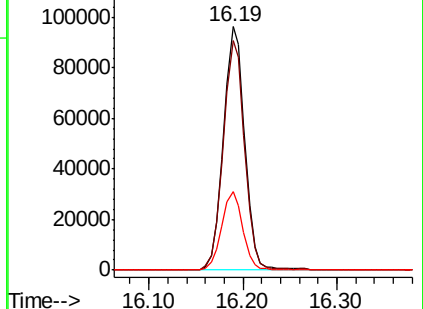
141 32.4 28.8 43.2

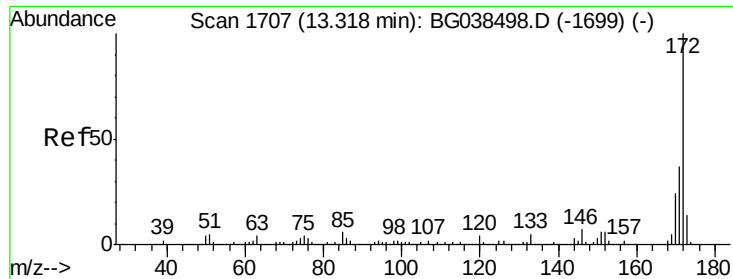


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

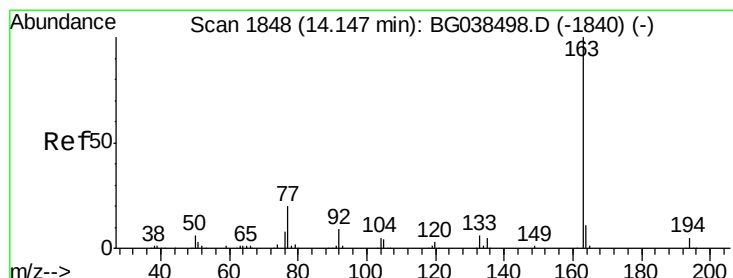
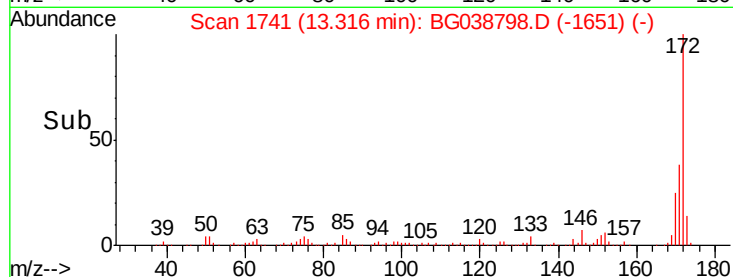
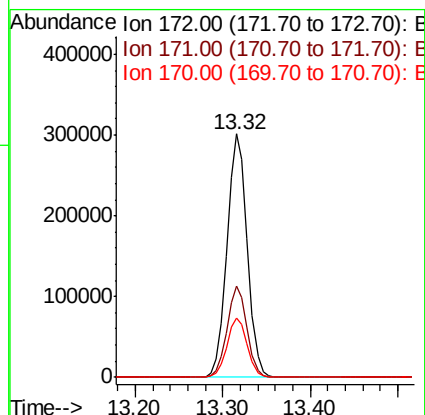
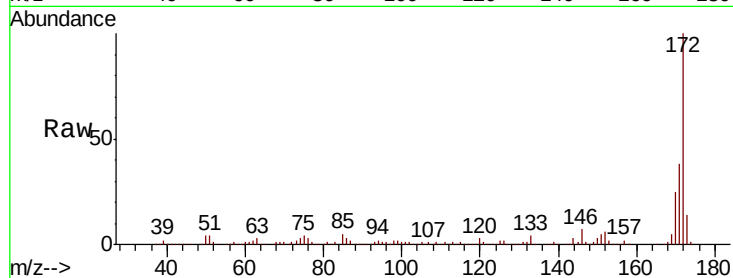




#45
2-Fluorobiphenyl
Concen: 102.158 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.00 min
Lab File: BG038798.D
Acq: 21 Dec 2018 22:44

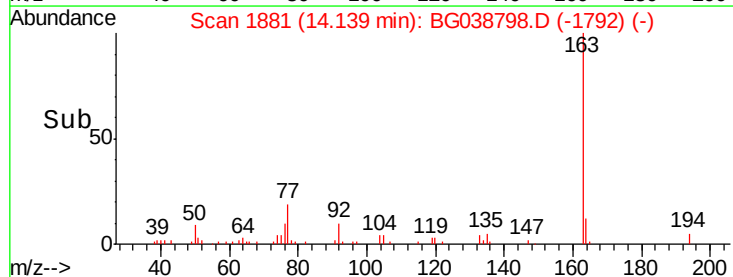
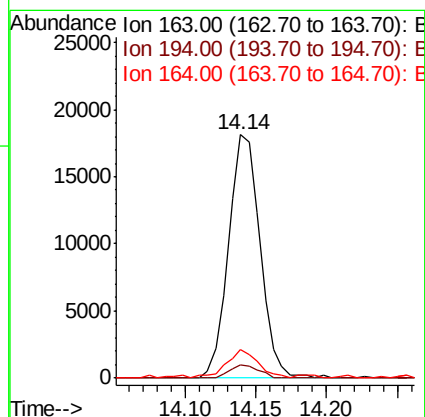
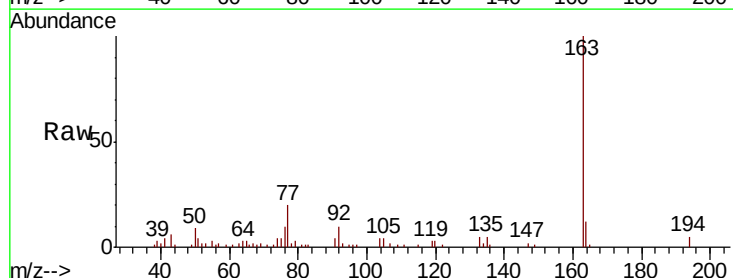
Instrument :
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EXCAVATION-WATER

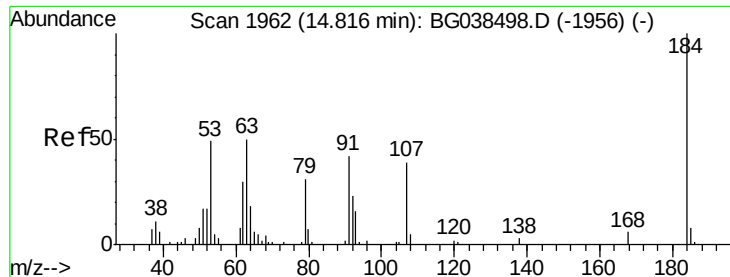
Tgt Ion:172 Resp: 478266
Ion Ratio Lower Upper
172 100
171 37.6 29.8 44.6
170 24.5 19.5 29.3



#50
Dimethylphthalate
Concen: 5.384 ng
RT: 14.14 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BG038798.D
Acq: 21 Dec 2018 22:44

Tgt Ion:163 Resp: 28239
Ion Ratio Lower Upper
163 100
194 5.2 3.7 5.5
164 11.7 8.6 12.8

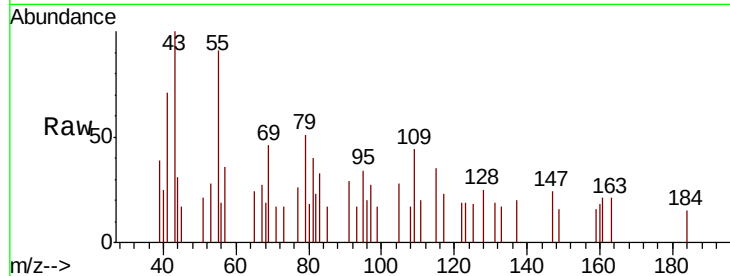




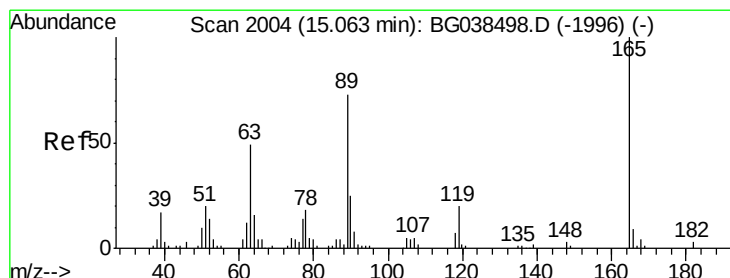
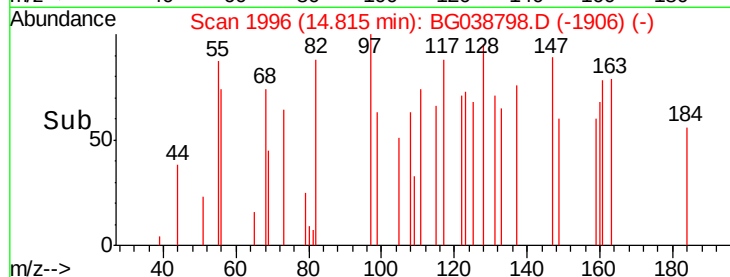
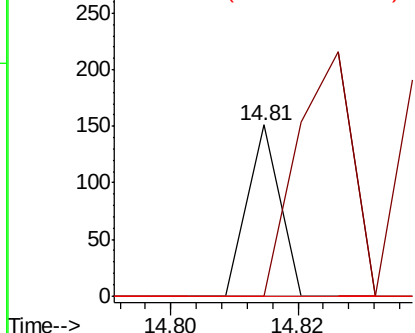
#54
2,4-Dinitrophenol
Concen: 5.251 ng
RT: 14.81 min Scan# 1996
Delta R.T. -0.00 min
Lab File: BG038798.D
Acq: 21 Dec 2018 22:44

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-WATER

Tgt Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
63 0.0 47.0 70.6#
154 0.0 50.3 75.5#

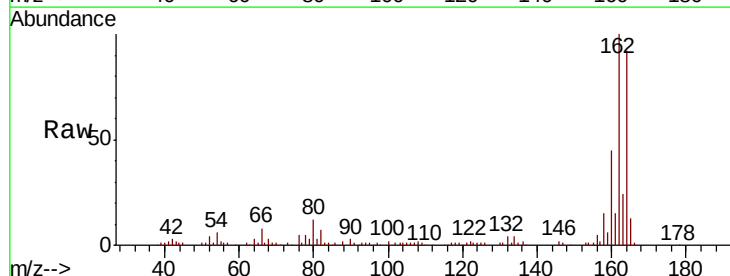


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

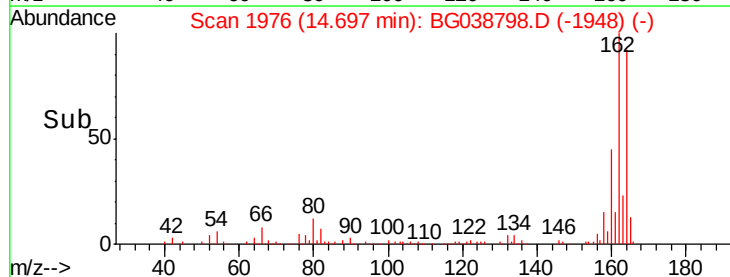
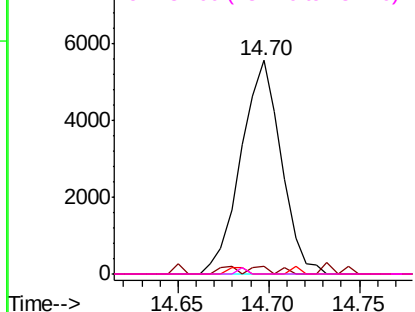


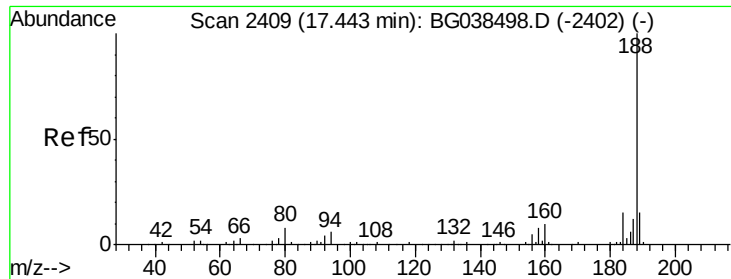
#57
2,4-Dinitrotoluene
Concen: 5.108 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.37 min
Lab File: BG038798.D
Acq: 21 Dec 2018 22:44

Tgt Ion:165 Resp: 8551
Ion Ratio Lower Upper
165 100
63 3.7 39.0 58.4#
89 0.0 58.0 87.0#
182 0.0 2.3 3.5#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.45 min Scan# 2444

Delta R.T. 0.00 min

Lab File: BG038798.D

Acq: 21 Dec 2018 22:44

Instrument :

BNA_G

ClientSampleId :

EXCAVATION-WATER

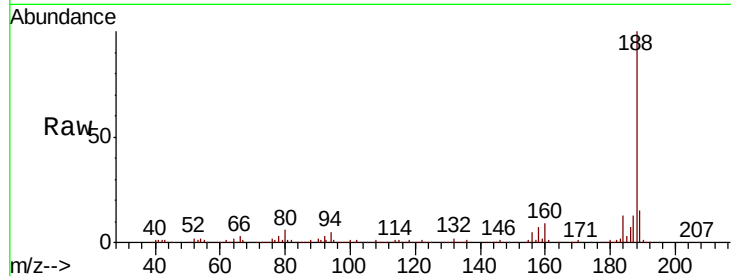
Tgt Ion:188 Resp: 145429

Ion Ratio Lower Upper

188 100

94 5.5 5.1 7.7

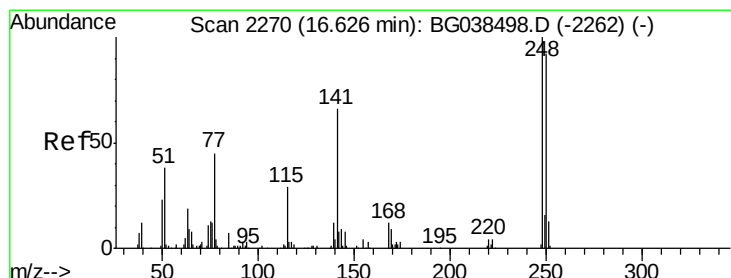
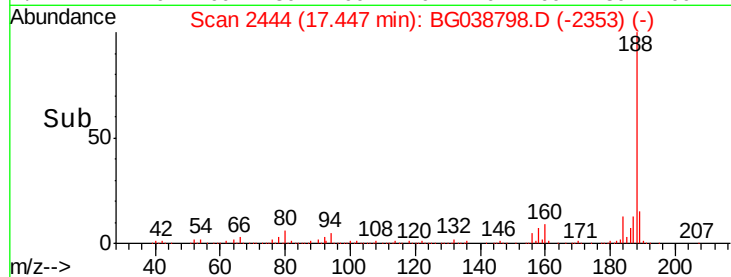
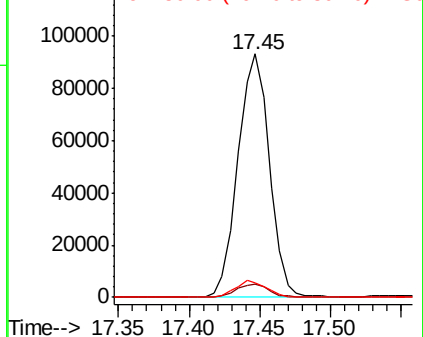
80 6.0 6.1 9.1#



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



#67

4-Bromophenyl-phenylether

Concen: 5.510 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.44 min

Lab File: BG038798.D

Acq: 21 Dec 2018 22:44

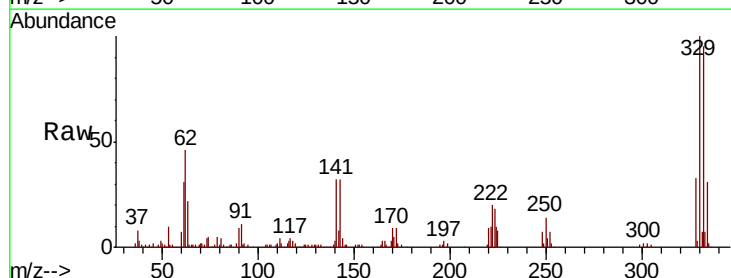
Tgt Ion:248 Resp: 9787

Ion Ratio Lower Upper

248 100

250 200.6 73.4 110.2#

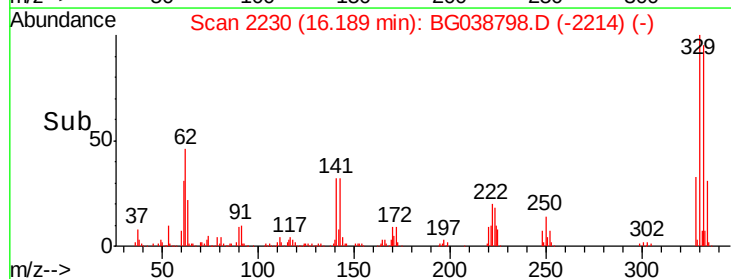
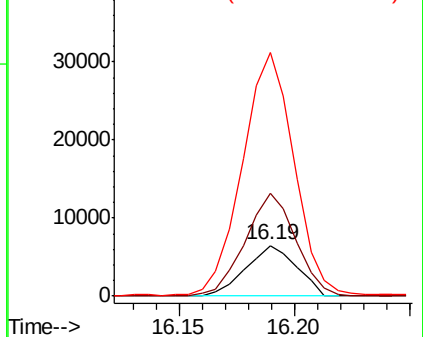
141 372.8 52.9 79.3#

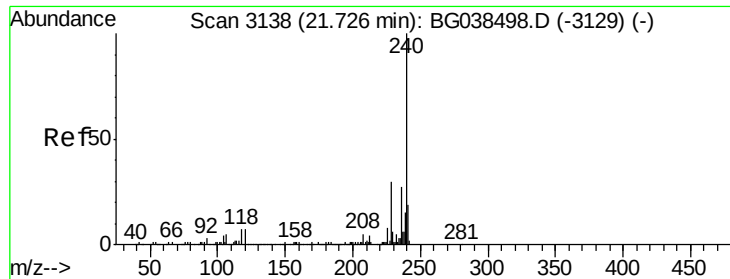


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

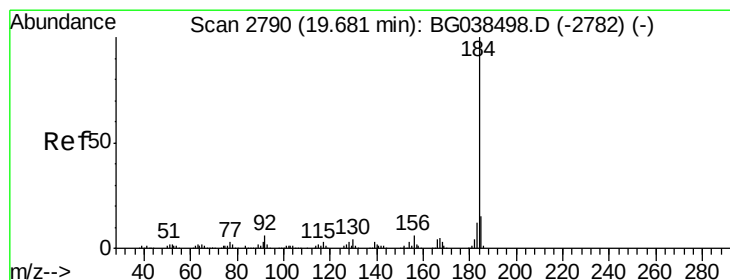
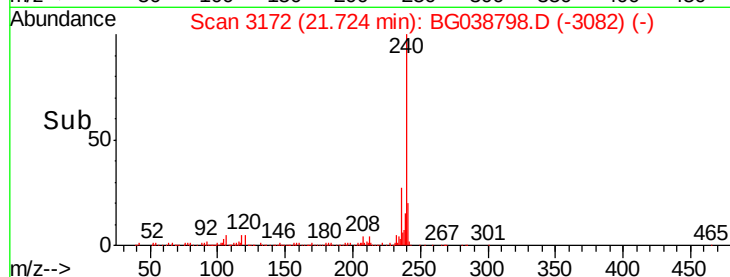
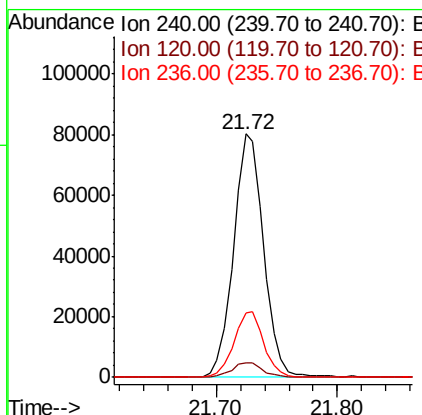
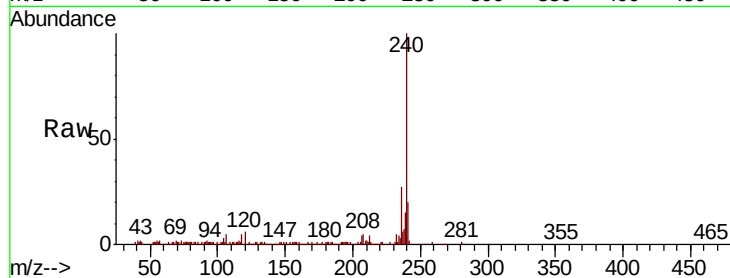




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3172
Delta R.T. -0.00 min
Lab File: BG038798.D
Acq: 21 Dec 2018 22:44

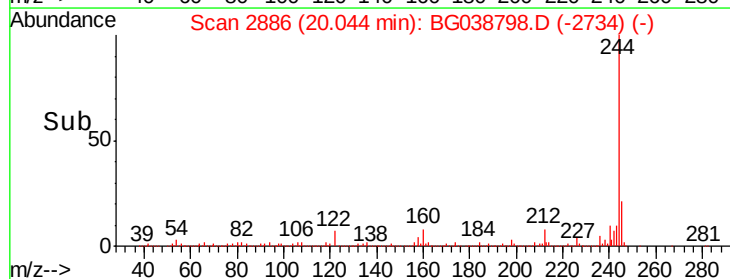
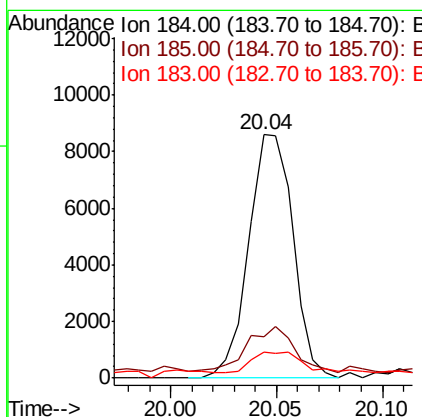
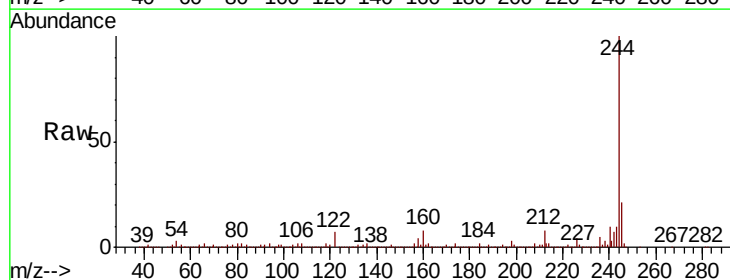
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-WATER

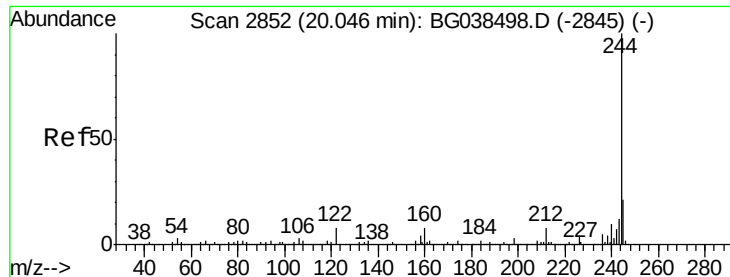
Tgt Ion:240 Resp: 138866
Ion Ratio Lower Upper
240 100
120 5.7 5.3 7.9
236 26.6 21.4 32.2



#77
Benzidine
Concen: 3.057 ng
RT: 20.04 min Scan# 2886
Delta R.T. 0.36 min
Lab File: BG038798.D
Acq: 21 Dec 2018 22:44

Tgt Ion:184 Resp: 12556
Ion Ratio Lower Upper
184 100
185 16.9 12.2 18.2
183 10.5 9.6 14.4





#79

Terphenyl-d14

Concen: 112.103 ng

RT: 20.05 min Scan# 2887

Delta R.T. 0.00 min

Lab File: BG038798.D

Acq: 21 Dec 2018 22:44

Instrument :

BNA_G

ClientSampleId :

EXCAVATION-WATER

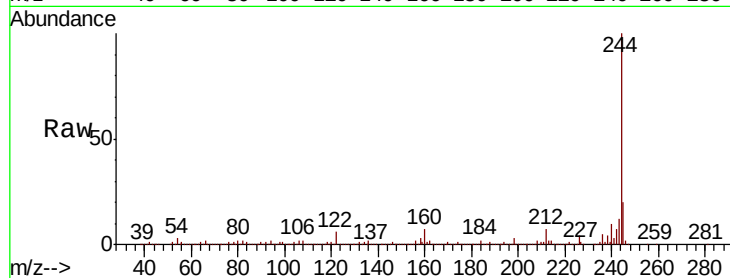
Tgt Ion:244 Resp: 715298

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

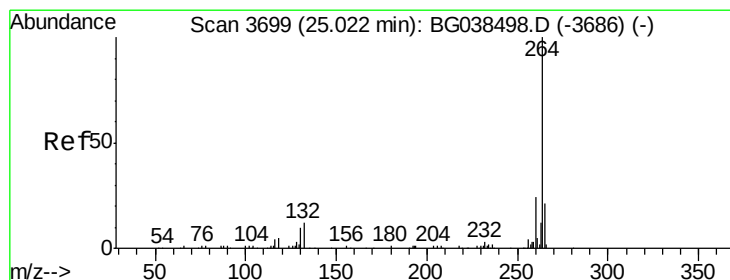
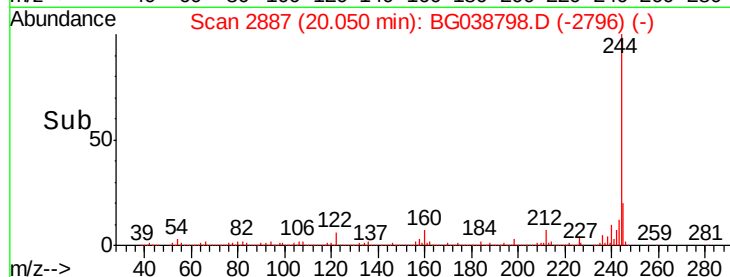
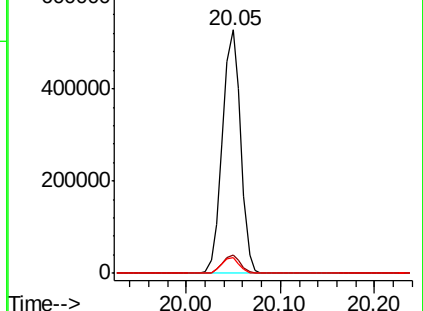
122 6.4 6.3 9.5



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: 25.04 min Scan# 3736

Delta R.T. 0.02 min

Lab File: BG038798.D

Acq: 21 Dec 2018 22:44

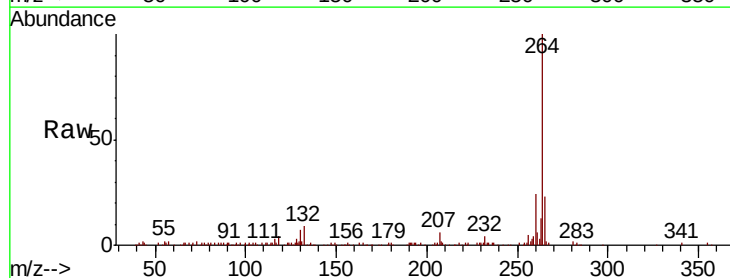
Tgt Ion:264 Resp: 150603

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

265 22.6 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

