

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051319\
 Data File : BG040920.D
 Acq On : 13 May 2019 20:41
 Operator : HP/JU
 Sample : K2829-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EFF-WASTE-WATER

Quant Time: May 14 01:49:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	65856	20.00	ng	-0.03
21) Naphthalene-d8	10.95	136	253210	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	172683	20.00	ng	-0.04
64) Phenanthrene-d10	17.51	188	378146	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	402385	20.00	ng	-0.04
87) Perylene-d12	25.14	264	444524	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.67	112	153665	41.13	ng	-0.02
7) Phenol-d6	7.40	99	123600	21.49	ng	0.11
23) Nitrobenzene-d5	9.32	82	509850	93.04	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	235937	99.40	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	1119015	93.59	ng	-0.03
79) Terphenyl-d14	20.10	244	1543699	84.99	ng	-0.03

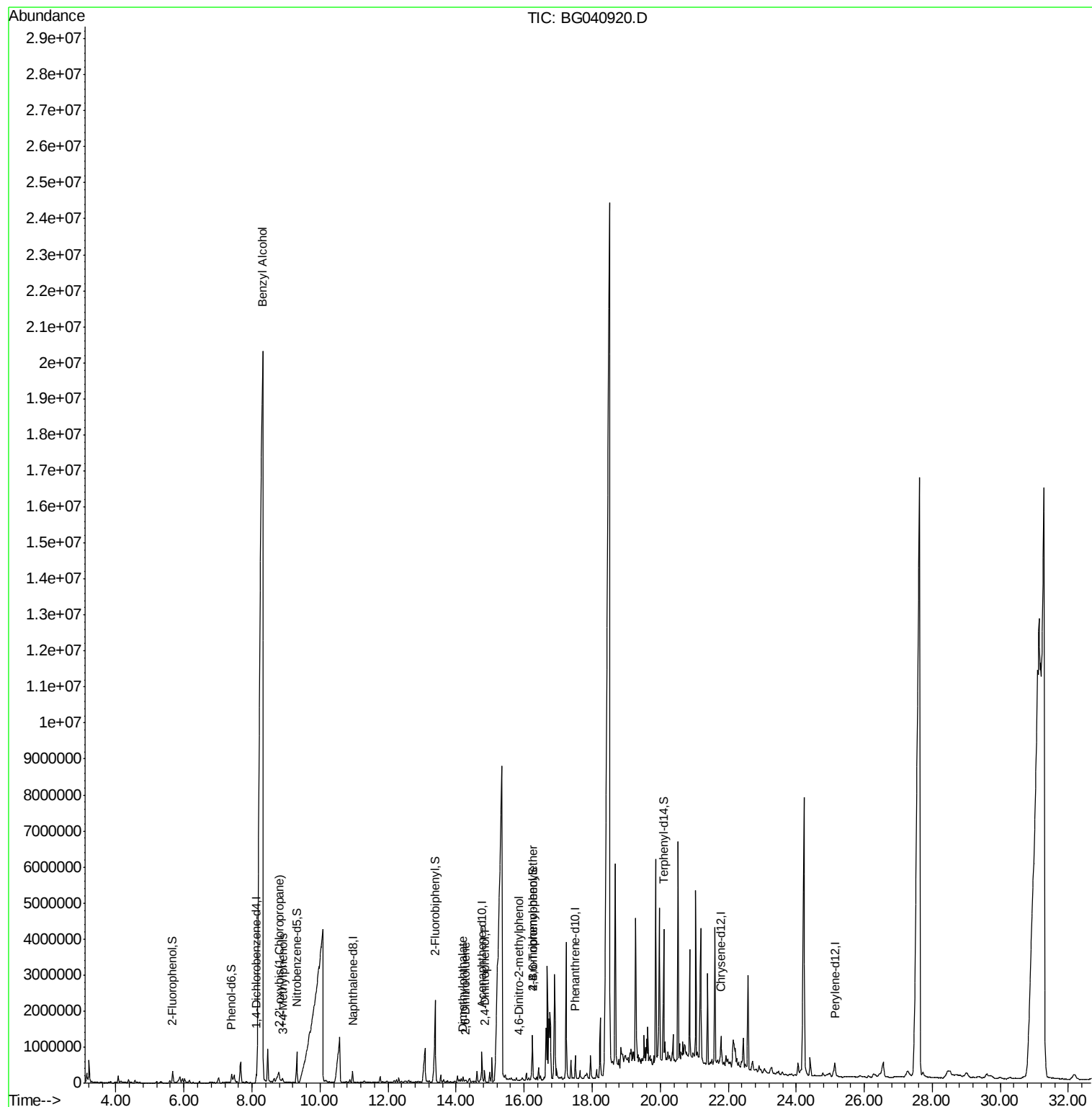
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.27	77	1135	Below Cal		87
15) Benzyl Alcohol	8.32	79	176748	29.530	ng	# 38
16) 2,2'-oxybis(1-Chloropropan	8.80	45	55367	5.997	ng	79
20) 3+4-Methylphenols	8.90	107	25623	4.203	ng	91
50) Dimethylphthalate	14.20	163	83877	5.805	ng	# 96
51) 2,6-Dinitrotoluene	14.26	165	8161	2.894	ng	# 15
54) 2,4-Dinitrophenol	14.84	184	943	7.556	ng	# 39
65) 4,6-Dinitro-2-methylphenol	15.84	198	70	7.133	ng	# 1
67) 4-Bromophenyl-phenylether	16.25	248	16875	3.582	ng	# 1

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

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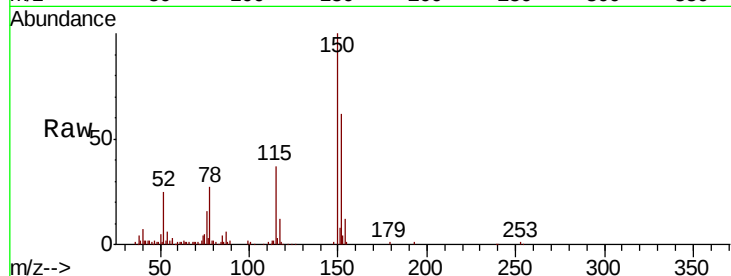


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 858
Delta R.T. -0.03 min
Lab File: BG040920.D
Acq: 13 May 2019 20:41

Instrument :
BNA_G
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.5	120.2	180.2
115	60.4	46.2	69.2

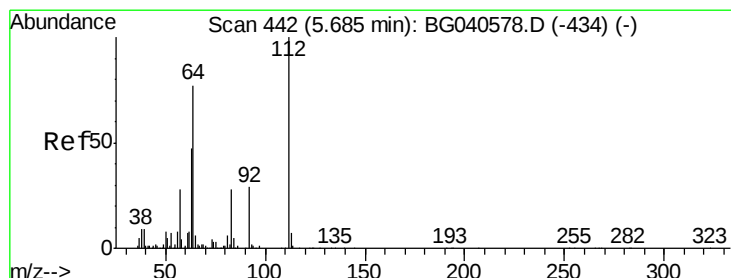
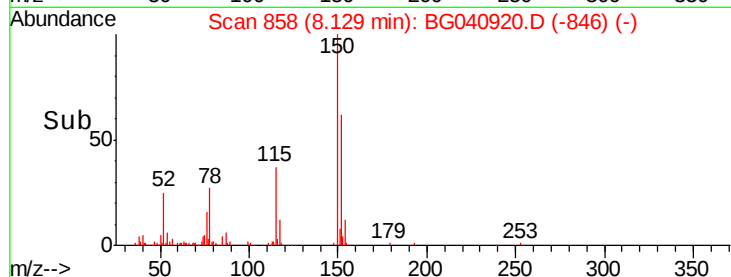
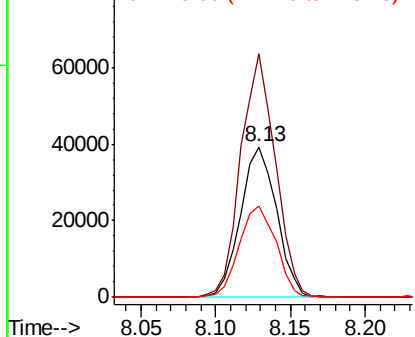


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

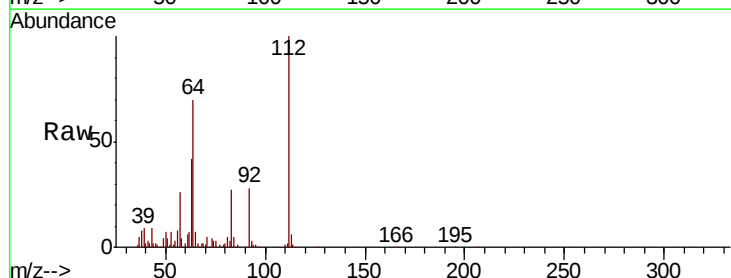
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 41.131 ng
RT: 5.67 min Scan# 439
Delta R.T. -0.02 min
Lab File: BG040920.D
Acq: 13 May 2019 20:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.9	61.4	92.0
63	41.8	37.8	56.6

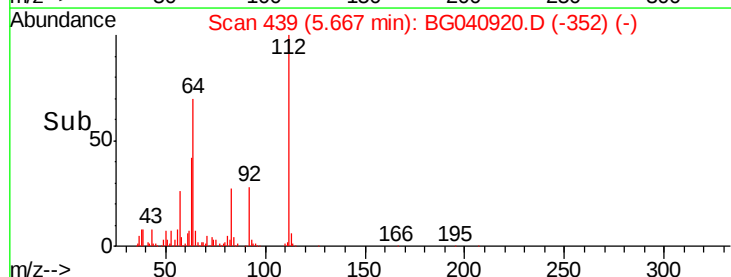
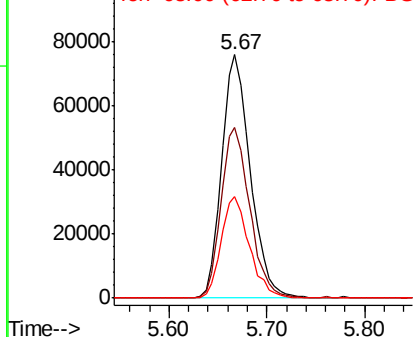


Abundance

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: 21.487 ng

RT: 7.40 min Scan# 734

Delta R.T. 0.11 min

Lab File: BG040920.D

Acq: 13 May 2019 20:41

Instrument :

BNA_G

ClientSampleId :

EFF-WASTE-WATER

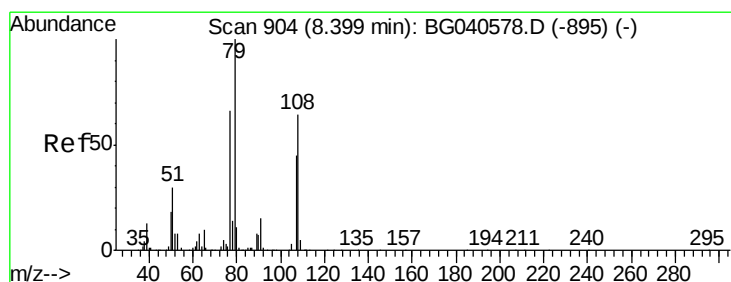
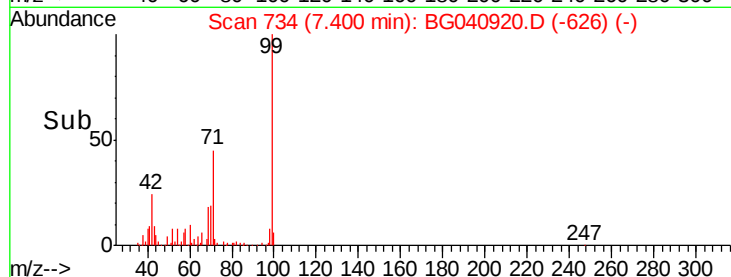
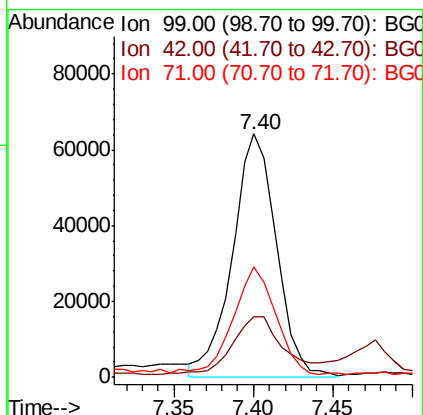
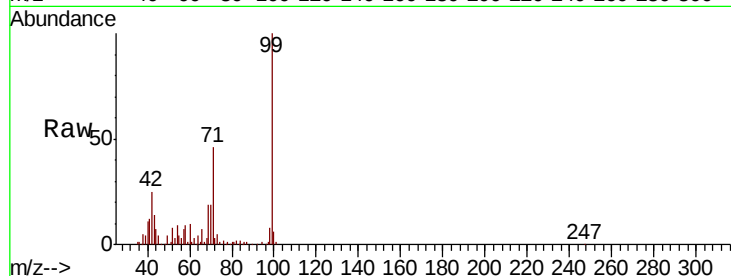
Tgt Ion: 99 Resp: 123600

Ion Ratio Lower Upper

99 100

42 25.1 21.8 32.8

71 45.6 38.6 57.8



#15

Benzyl Alcohol

Concen: 29.530 ng

RT: 8.32 min Scan# 890

Delta R.T. -0.08 min

Lab File: BG040920.D

Acq: 13 May 2019 20:41

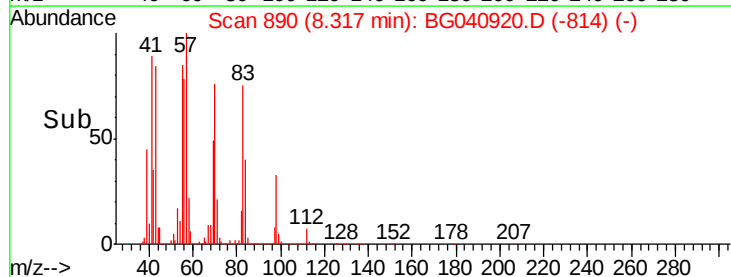
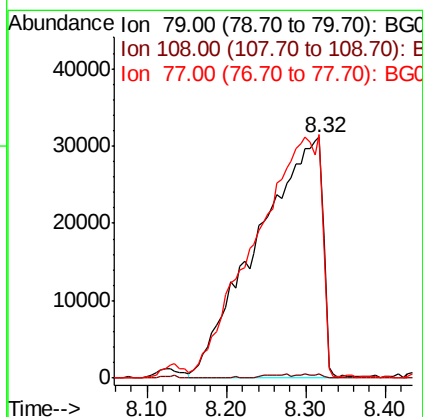
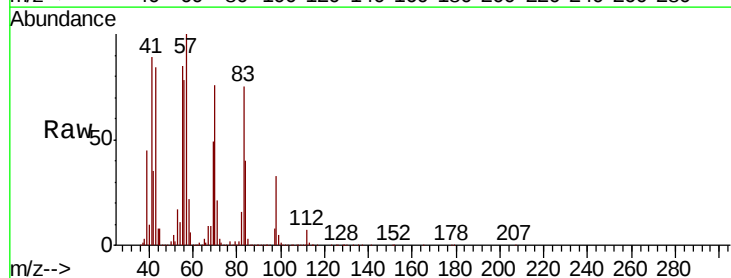
Tgt Ion: 79 Resp: 176748

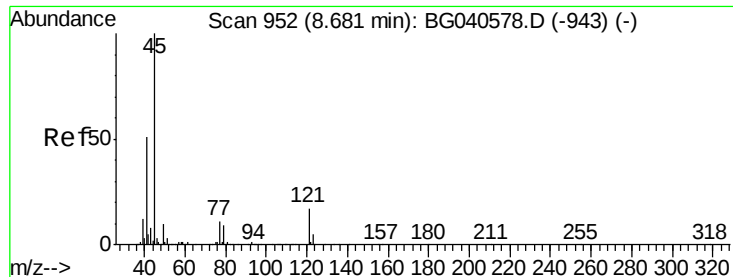
Ion Ratio Lower Upper

79 100

108 1.8 51.4 77.0#

77 101.1 52.6 79.0#

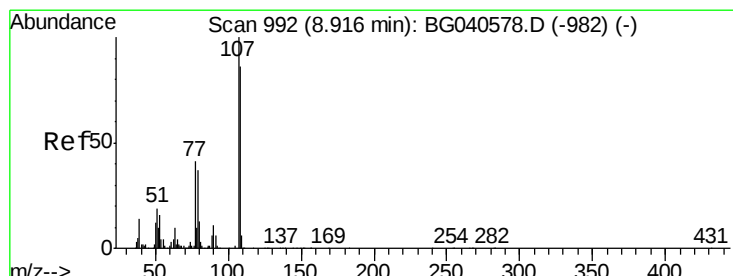
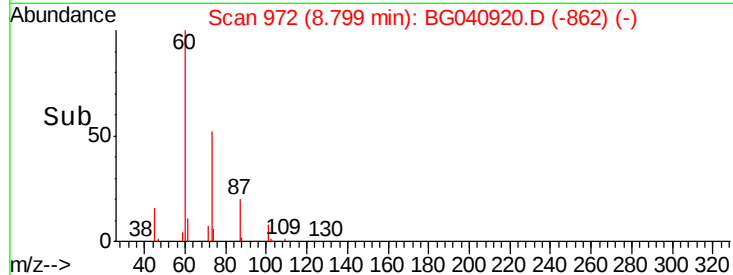
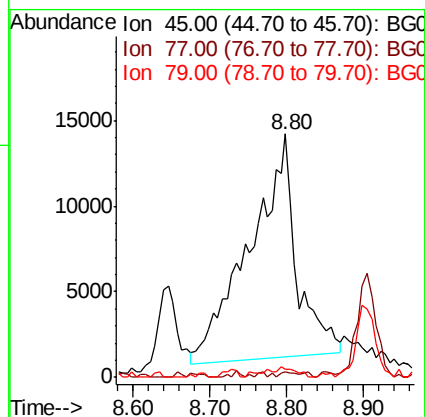
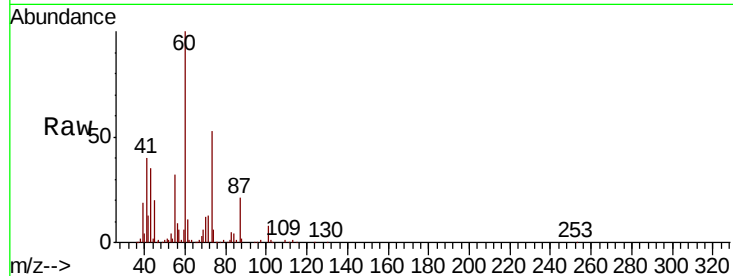




#16
 2,2'-oxybis(1-Chloropropane)
 Concen: 5.997 ng
 RT: 8.80 min Scan# 972
 Delta R.T. 0.12 min
 Lab File: BG040920.D
 Acq: 13 May 2019 20:41

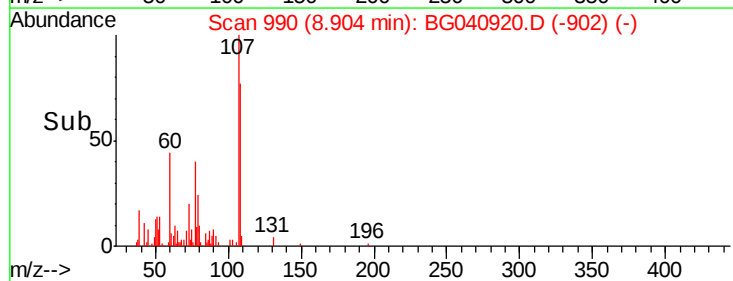
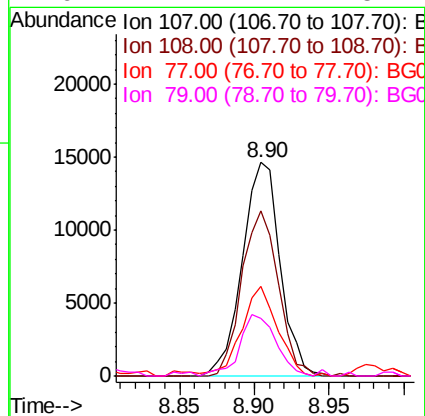
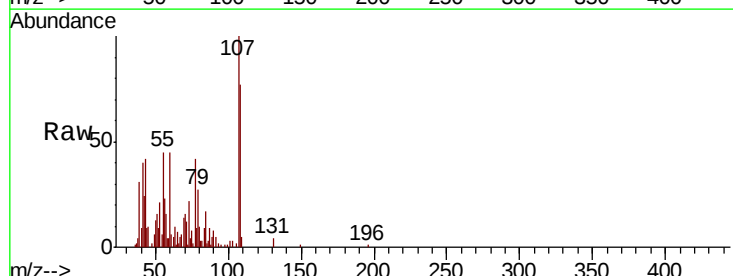
Instrument :
 BNA_G
 ClientSampleId :
 EFF-WASTE-WATER

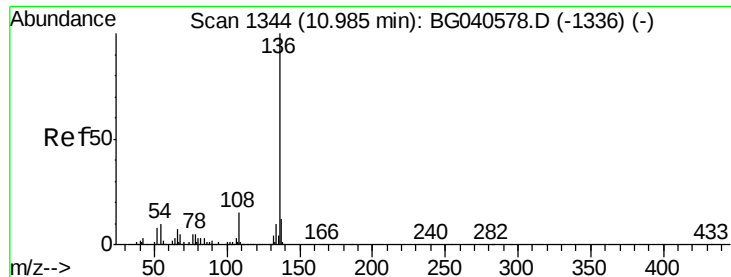
Tgt Ion:	45	Resp:	55367
Ion	Ratio	Lower	Upper
45	100		
77	2.2	0.0	31.5
79	3.5	0.0	29.4



#20
 3+4-Methylphenols
 Concen: 4.203 ng
 RT: 8.90 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: BG040920.D
 Acq: 13 May 2019 20:41

Tgt Ion:	107	Resp:	25623
Ion	Ratio	Lower	Upper
107	100		
108	77.2	66.1	106.1
77	41.7	21.6	61.6
79	27.1	17.4	57.4

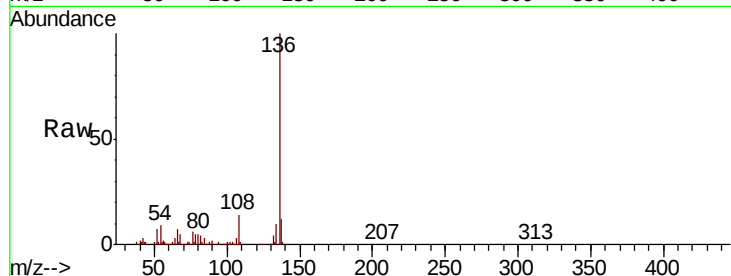




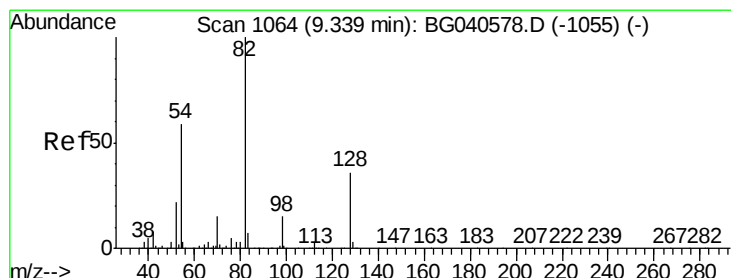
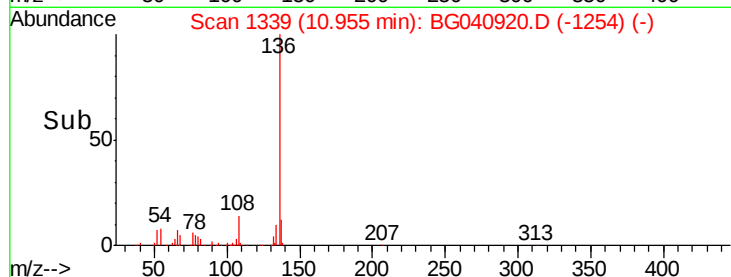
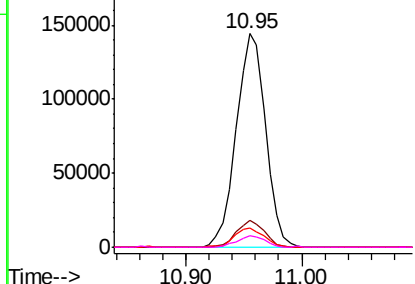
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1339
Delta R.T. -0.03 min
Lab File: BG040920.D
Acq: 13 May 2019 20:41

Instrument :
BNA_G
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion:	136	Resp:	253210
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.7	14.5
54	8.9	8.6	12.8
68	5.3	4.8	7.2

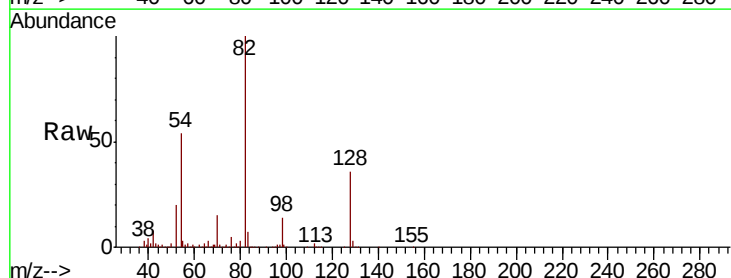


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

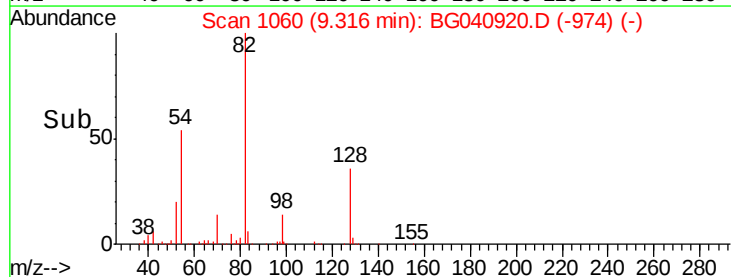
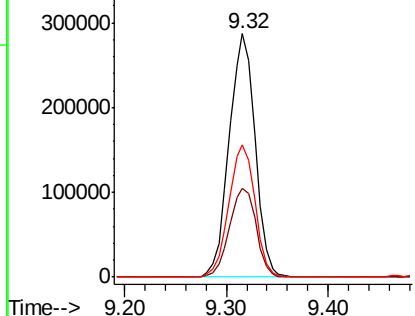


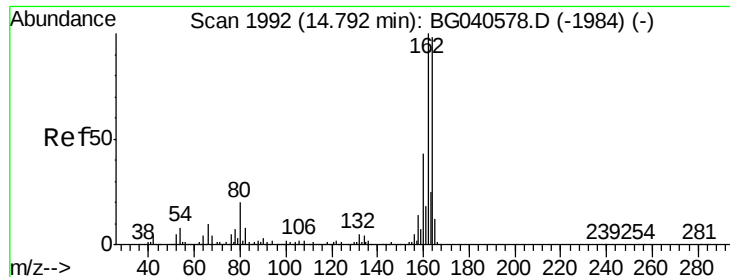
#23
Nitrobenzene-d5
Concen: 93.038 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040920.D
Acq: 13 May 2019 20:41

Tgt Ion:	82	Resp:	509850
Ion	Ratio	Lower	Upper
82	100		
128	36.4	28.9	43.3
54	54.3	47.2	70.8



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: 14.76 min Scan# 1986

Delta R.T. -0.04 min

Lab File: BG040920.D

Acq: 13 May 2019 20:41

Instrument :

BNA_G

ClientSampleId :

EFF-WASTE-WATER

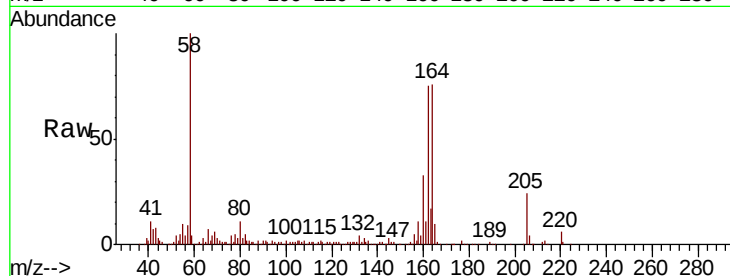
Tgt Ion:164 Resp: 172683

Ion Ratio Lower Upper

164 100

162 98.4 81.9 122.9

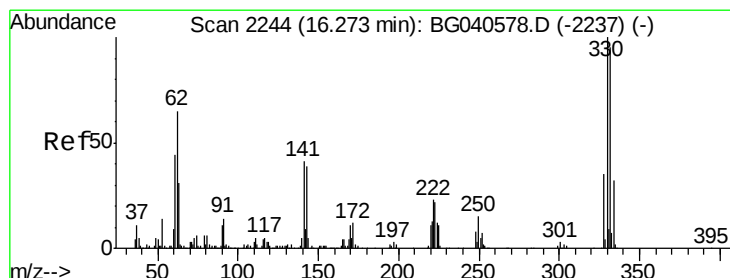
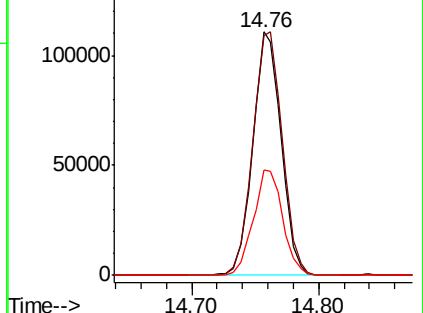
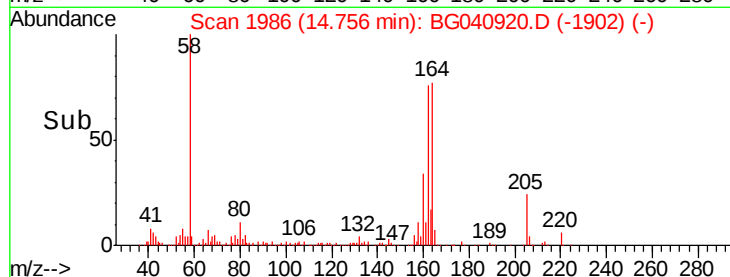
160 43.4 35.4 53.2



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: 99.402 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.02 min

Lab File: BG040920.D

Acq: 13 May 2019 20:41

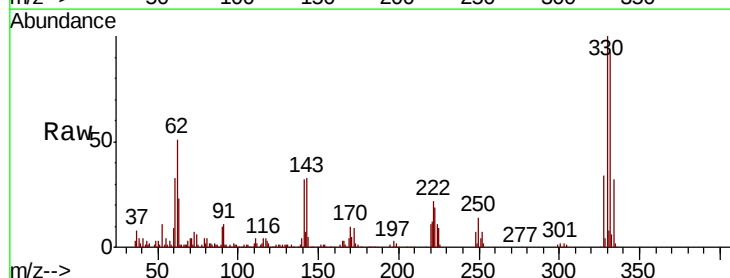
Tgt Ion:330 Resp: 235937

Ion Ratio Lower Upper

330 100

332 94.7 75.9 113.9

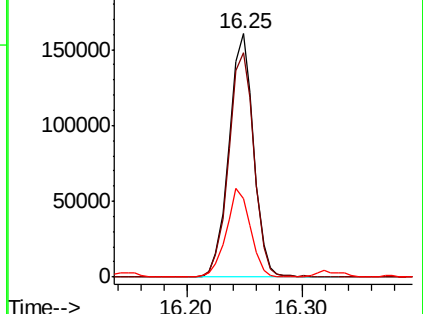
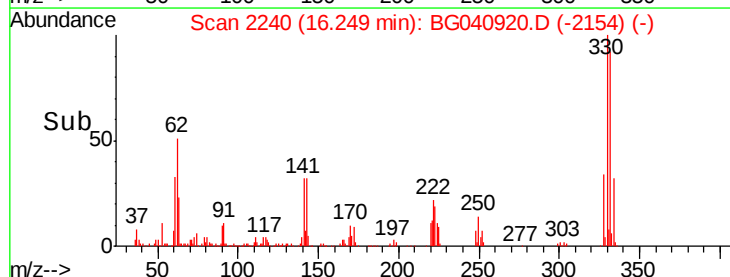
141 35.8 32.4 48.6

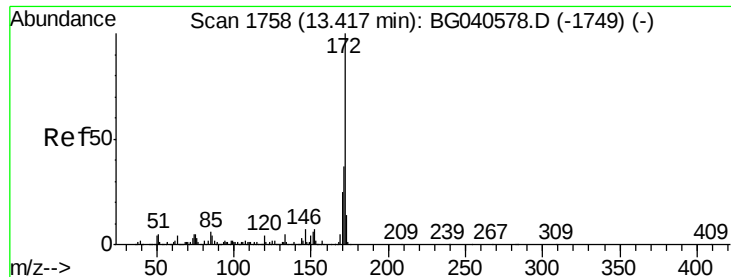


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

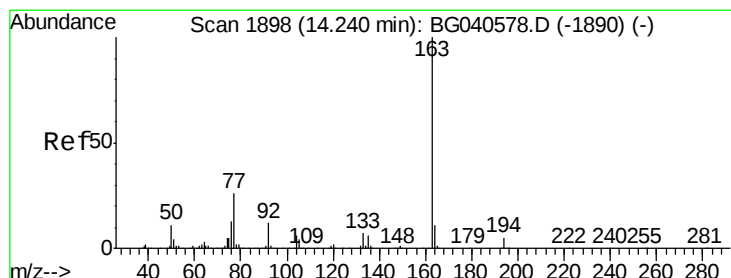
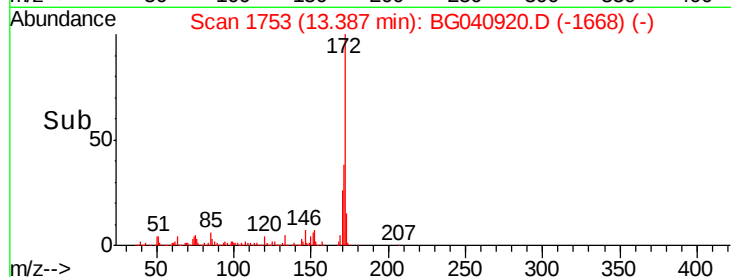
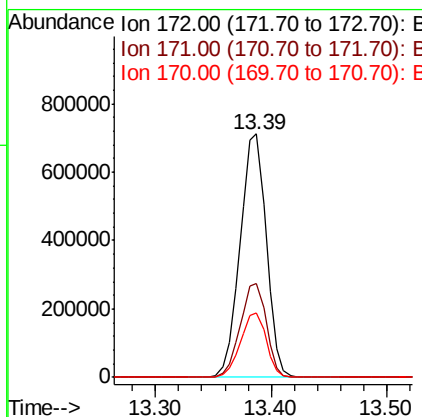
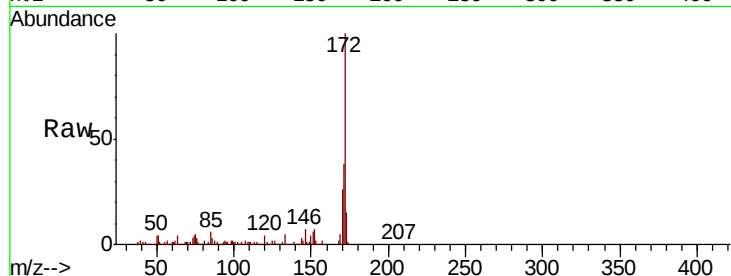




#45
 2-Fluorobiphenyl
 Concen: 93.587 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040920.D
 Acq: 13 May 2019 20:41

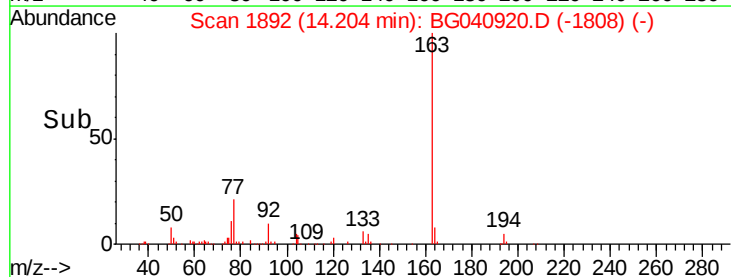
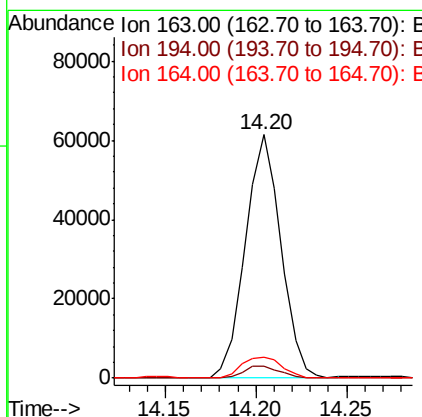
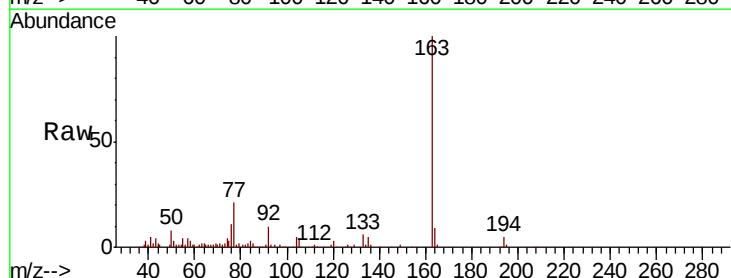
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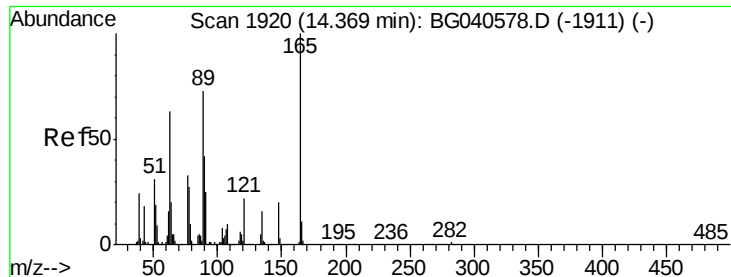
Tgt Ion:172 Resp: 1119015
 Ion Ratio Lower Upper
 172 100
 171 38.3 29.4 44.2
 170 26.3 19.9 29.9



#50
 Dimethylphthalate
 Concen: 5.805 ng
 RT: 14.20 min Scan# 1892
 Delta R.T. -0.04 min
 Lab File: BG040920.D
 Acq: 13 May 2019 20:41

Tgt Ion:163 Resp: 83877
 Ion Ratio Lower Upper
 163 100
 194 4.8 3.8 5.8
 164 8.8 8.8 13.2#





#51

2,6-Dinitrotoluene

Concen: 2.894 ng

RT: 14.26 min Scan# 1901

Delta R.T. -0.11 min

Lab File: BG040920.D

Acq: 13 May 2019 20:41

Instrument :

BNA_G

ClientSampleId :

EFF-WASTE-WATER

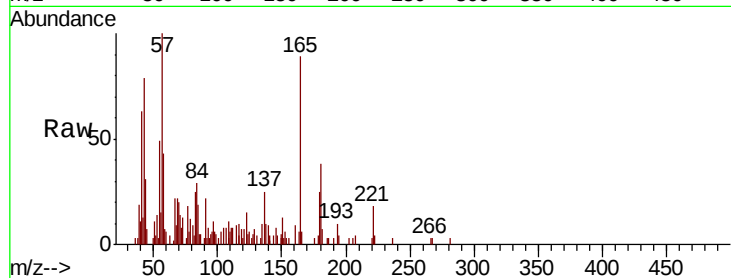
Tgt Ion:165 Resp: 8161

Ion Ratio Lower Upper

165 100

63 4.2 61.0 91.4#

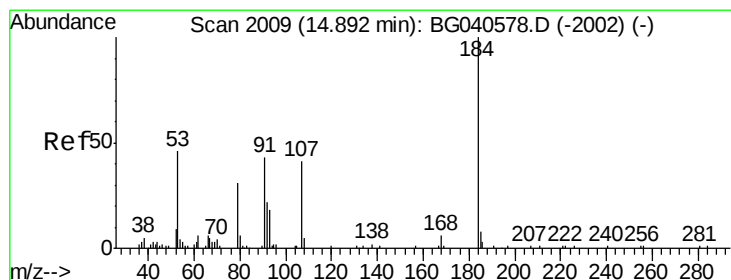
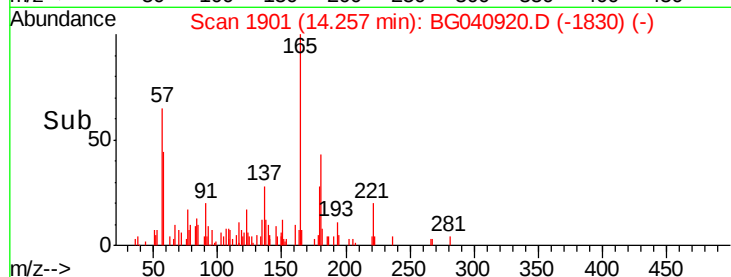
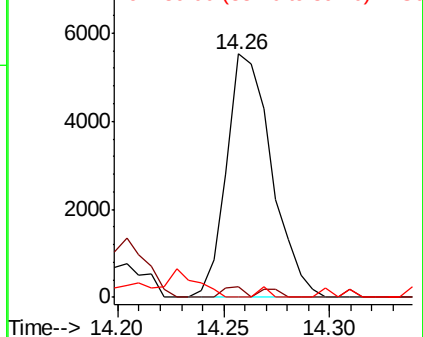
89 0.0 58.6 87.8#



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



#54

2,4-Dinitrophenol

Concen: 7.556 ng

RT: 14.84 min Scan# 2001

Delta R.T. -0.05 min

Lab File: BG040920.D

Acq: 13 May 2019 20:41

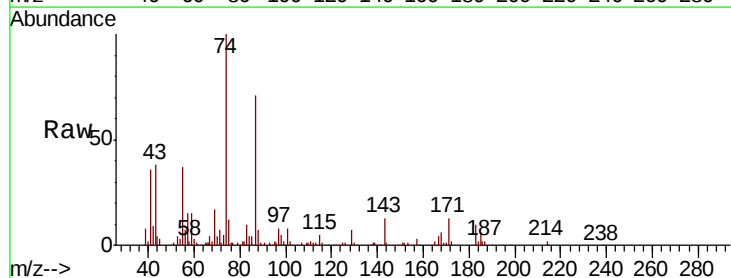
Tgt Ion:184 Resp: 943

Ion Ratio Lower Upper

184 100

63 25.8 51.8 77.6#

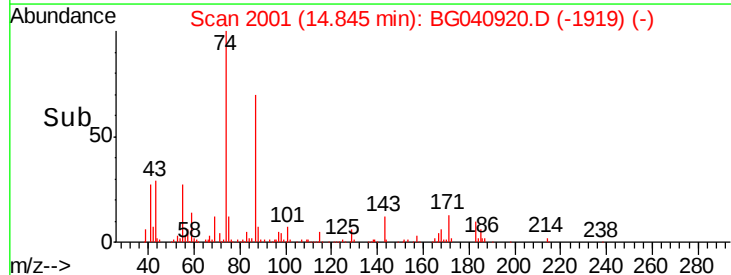
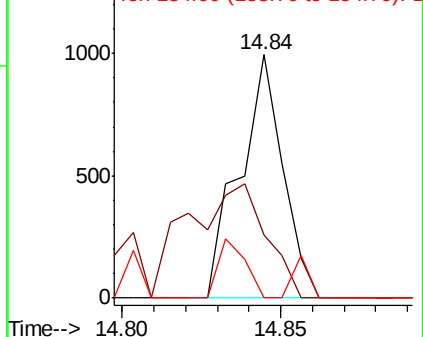
154 0.0 43.6 65.4#

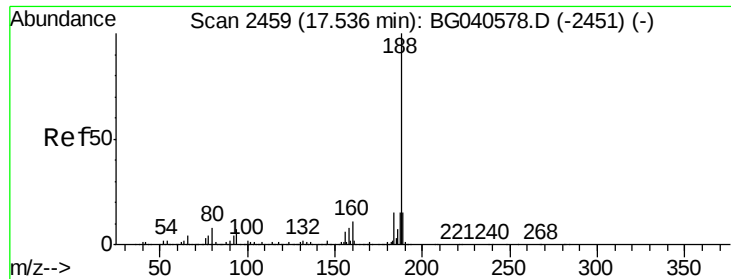


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2454

Delta R.T. -0.03 min

Lab File: BG040920.D

Acq: 13 May 2019 20:41

Instrument :

BNA_G

ClientSampleId :

EFF-WASTE-WATER

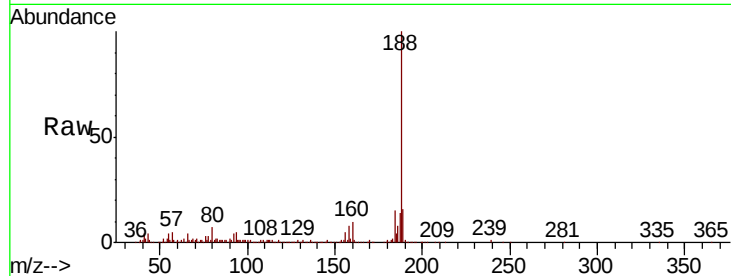
Tgt Ion:188 Resp: 378146

Ion Ratio Lower Upper

188 100

94 6.5 5.6 8.4

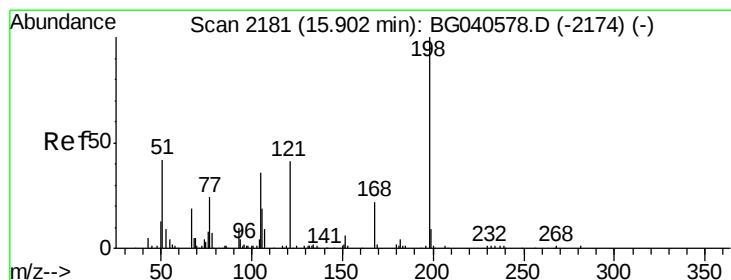
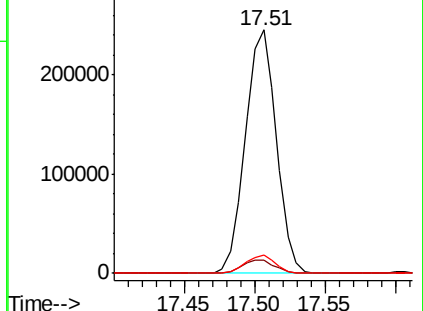
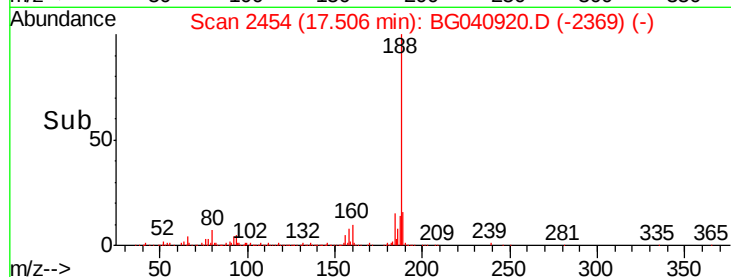
80 7.3 6.4 9.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.133 ng

RT: 15.84 min Scan# 2170

Delta R.T. -0.06 min

Lab File: BG040920.D

Acq: 13 May 2019 20:41

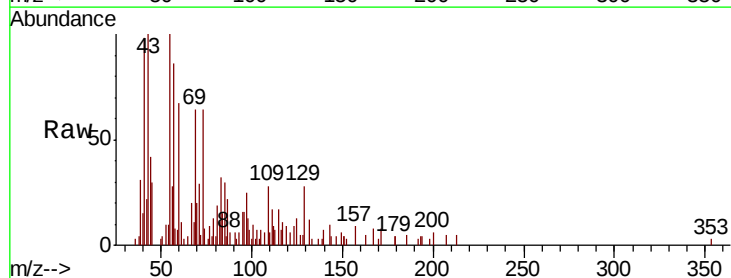
Tgt Ion:198 Resp: 70

Ion Ratio Lower Upper

198 100

51 112.6 35.9 75.9#

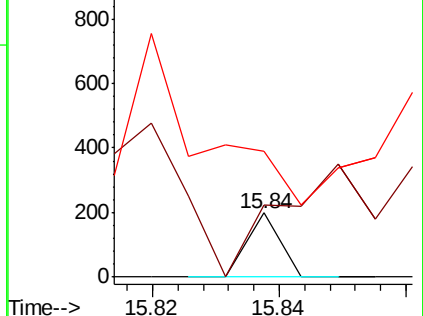
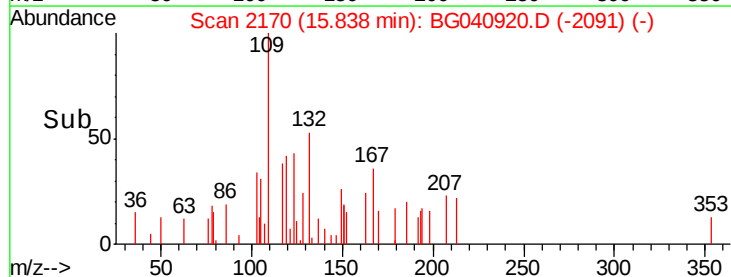
105 196.5 21.2 61.2#

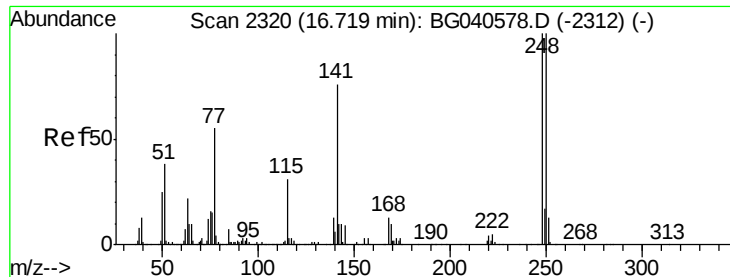


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

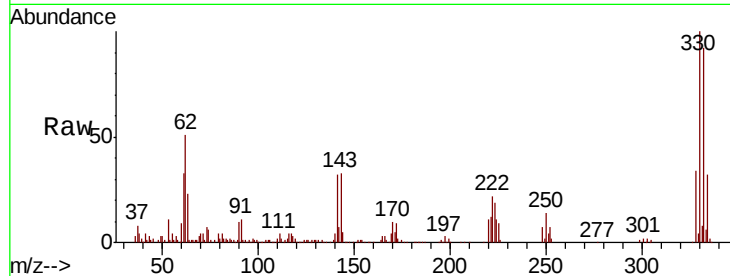




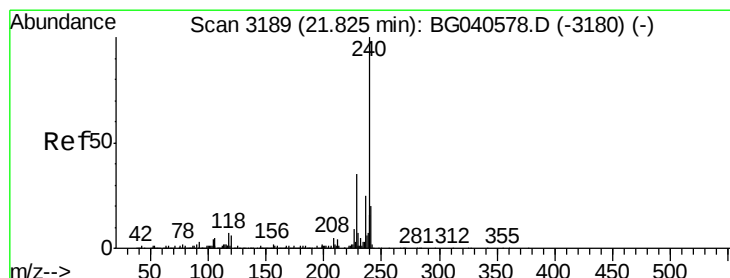
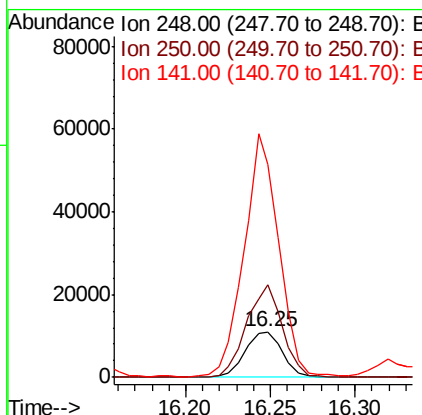
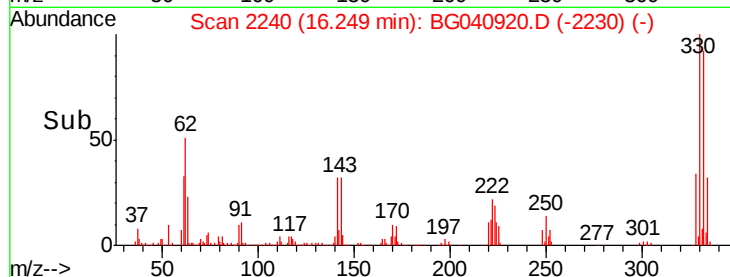
#67
 4-Bromophenyl-phenylether
 Concen: 3.582 ng
 RT: 16.25 min Scan# 2240
 Delta R.T. -0.47 min
 Lab File: BG040920.D
 Acq: 13 May 2019 20:41

Instrument :
 BNA_G
 ClientSampleId :
 EFF-WASTE-WATER

Tgt Ion:248 Resp: 16875
 Ion Ratio Lower Upper
 248 100
 250 205.7 79.8 119.6#
 141 471.9 60.8 91.2#

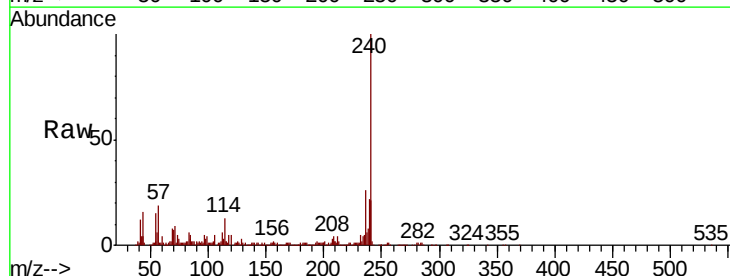


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

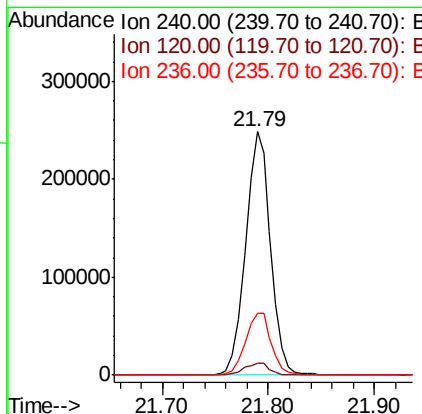
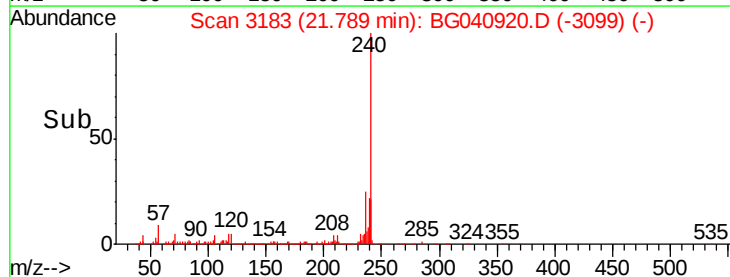


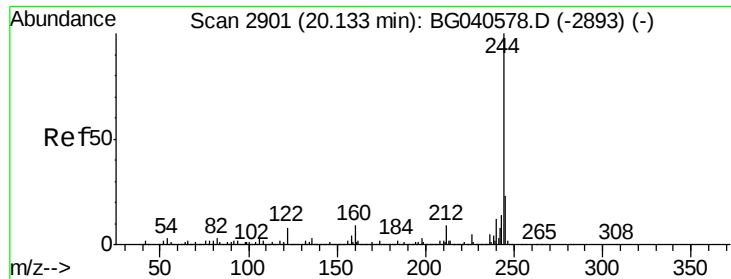
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.79 min Scan# 3183
 Delta R.T. -0.04 min
 Lab File: BG040920.D
 Acq: 13 May 2019 20:41

Tgt Ion:240 Resp: 402385
 Ion Ratio Lower Upper
 240 100
 120 5.1 5.0 7.6
 236 25.6 20.3 30.5



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: 84.992 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.03 min

Lab File: BG040920.D

Acq: 13 May 2019 20:41

Instrument :

BNA_G

ClientSampleId :

EFF-WASTE-WATER

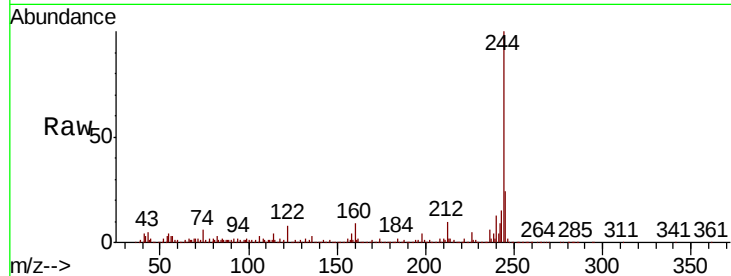
Tgt Ion:244 Resp: 1543699

Ion Ratio Lower Upper

244 100

212 9.6 7.2 10.8

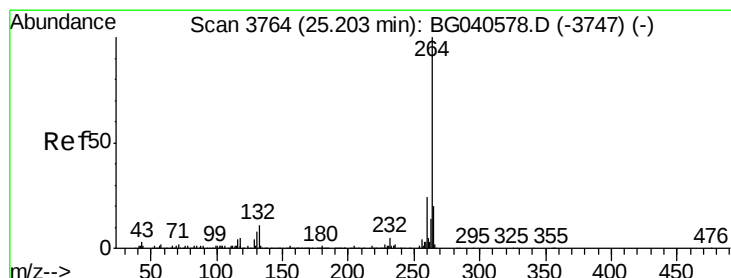
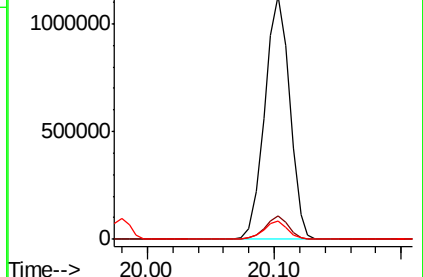
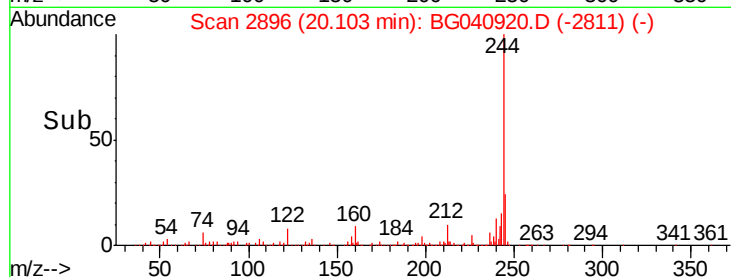
122 7.7 6.6 10.0



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: 25.14 min Scan# 3753

Delta R.T. -0.06 min

Lab File: BG040920.D

Acq: 13 May 2019 20:41

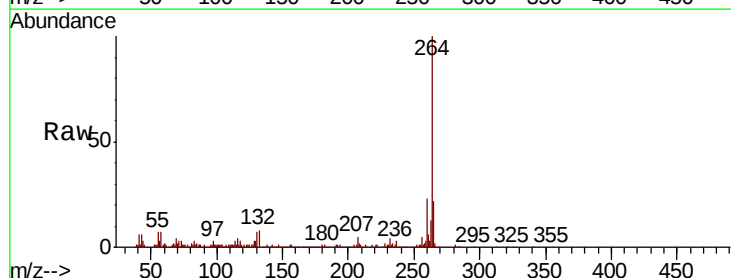
Tgt Ion:264 Resp: 444524

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 21.6 16.6 25.0



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

