

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080119\
 Data File : BG041868.D
 Acq On : 1 Aug 2019 18:09
 Operator : HP/JU
 Sample : K4048-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OWL-C4-GW

Quant Time: Aug 02 01:33:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 08:57:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	39036	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	141868	20.00	ng	-0.01
39) Acenaphthene-d10	14.70	164	93340	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	207272	20.00	ng	0.00
76) Chrysene-d12	21.73	240	245871	20.00	ng	0.00
87) Perylene-d12	25.00	264	278738	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	125784	62.69	ng	0.00
7) Phenol-d6	7.19	99	105793	39.11	ng	0.00
23) Nitrobenzene-d5	9.20	82	209047	101.40	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	159756	150.68	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	573279	108.32	ng	-0.01
79) Terphenyl-d14	20.06	244	1073447	99.90	ng	0.00

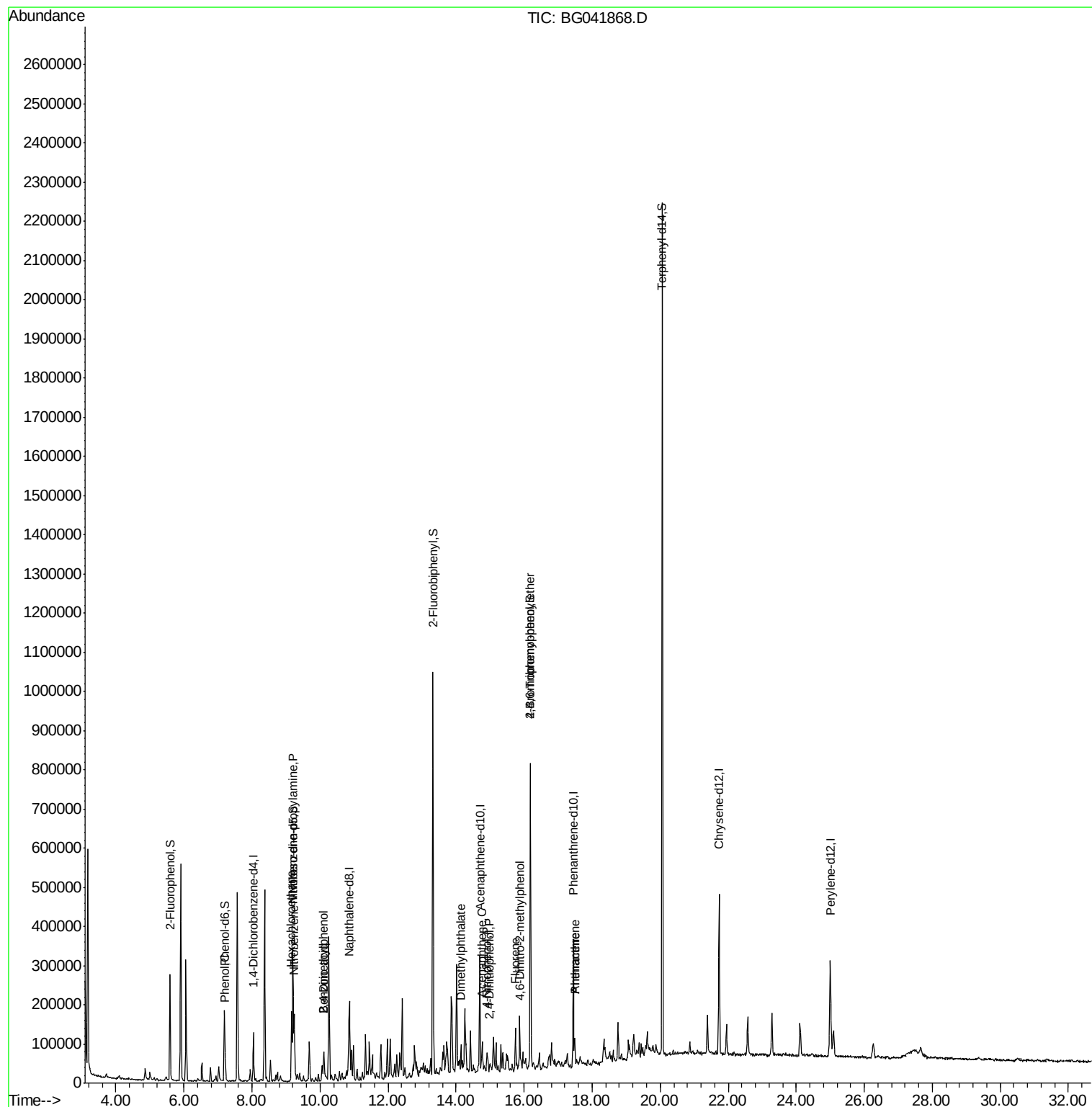
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.21	94	32824	11.664	ng	99
18) Hexachloroethane	9.17	117	33109	32.224	ng	# 4
19) n-Nitroso-di-n-propylamine	9.20	70	27982	14.249	ng	# 66
24) Nitrobenzene	9.25	77	6292	2.897	ng	# 5
27) 2,4-Dimethylphenol	10.10	122	4319	2.428	ng	# 14
32) Benzoic acid	10.10	122	4319	11.509	ng	# 79
50) Dimethylphthalate	14.15	163	50722	7.957	ng	97
52) Acenaphthene	14.76	154	25358	5.102	ng	96
54) 2,4-Dinitrophenol	14.99	184	69	3.370	ng	# 1
56) 4-Nitrophenol	14.92	139	2821	2.606	ng	# 37
58) Fluorene	15.75	166	44707	7.328	ng	96
65) 4,6-Dinitro-2-methylphenol	15.86	198	61	6.904	ng	# 1
67) 4-Bromophenyl-phenylether	16.18	248	11775	4.612	ng	# 1
71) Phenanthrene	17.49	178	47558	4.787	ng	94
72) Anthracene	17.49	178	47558	4.800	ng	94

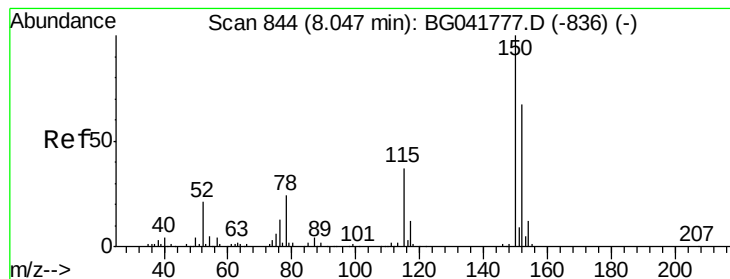
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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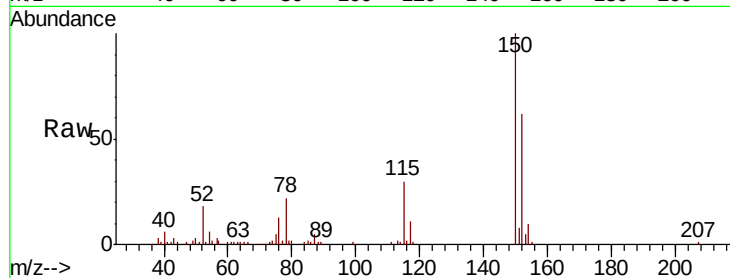


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG041868.D
Acq: 1 Aug 2019 18:09

Instrument :
BNA_F
ClientSampleId :
OWL-C4-GW

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.6	126.9	190.3
115	48.5	45.0	67.6

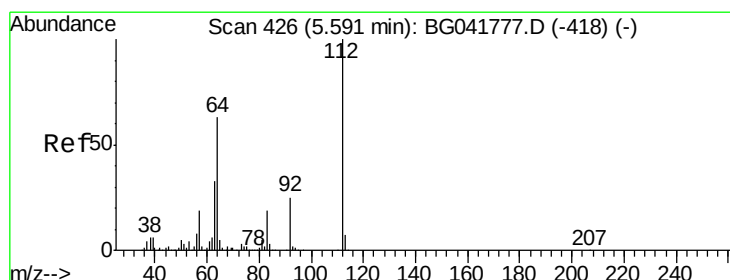
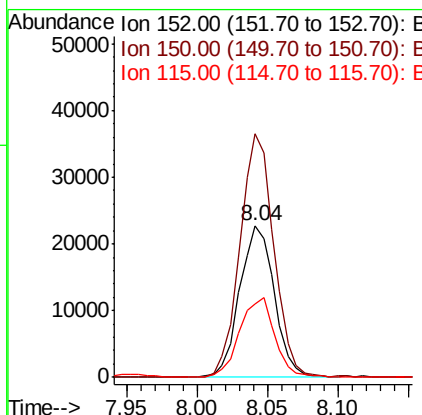
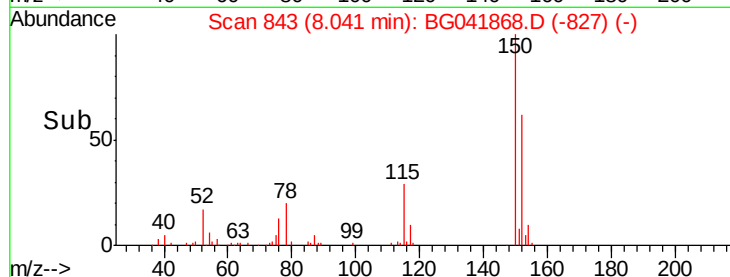


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

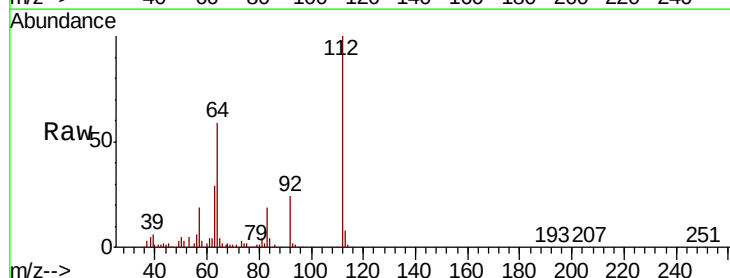
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 62.693 ng
RT: 5.59 min Scan# 426
Delta R.T. 0.00 min
Lab File: BG041868.D
Acq: 1 Aug 2019 18:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	55.4	83.2
63	29.0	29.1	43.7#

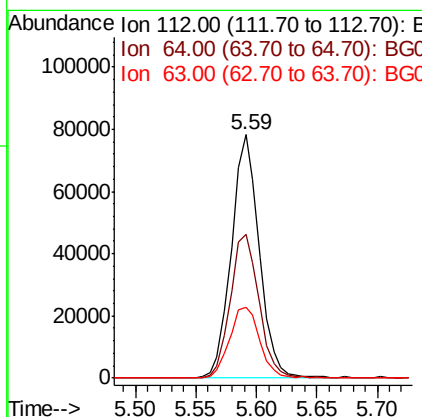
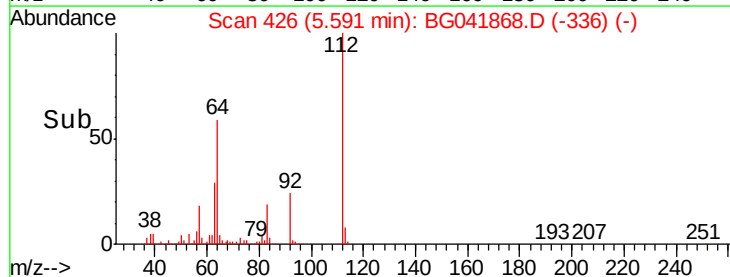


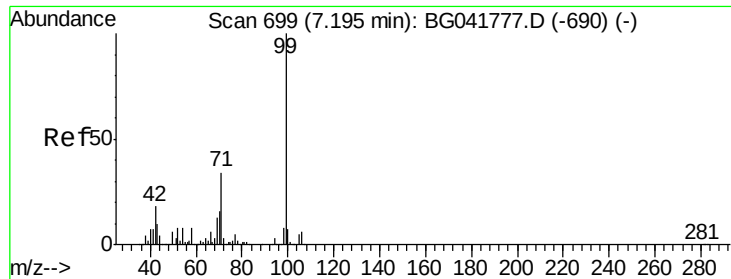
Abundance

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: 39.112 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG041868.D

Acq: 1 Aug 2019 18:09

Instrument :

BNA_F

ClientSampleId :

OWL-C4-GW

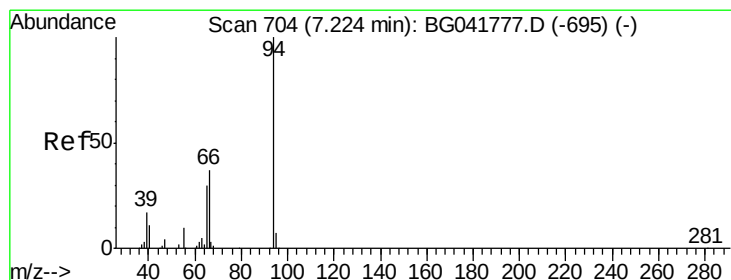
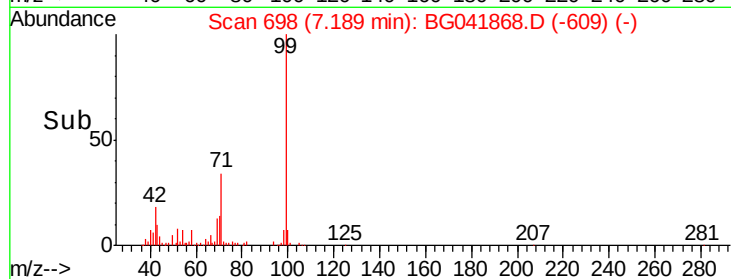
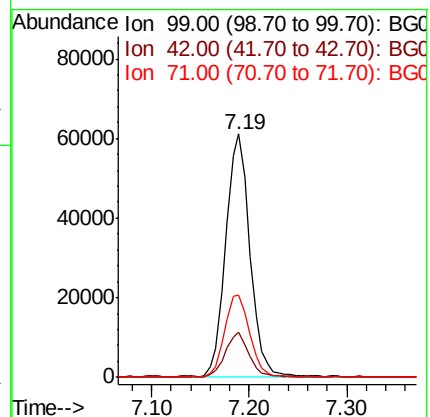
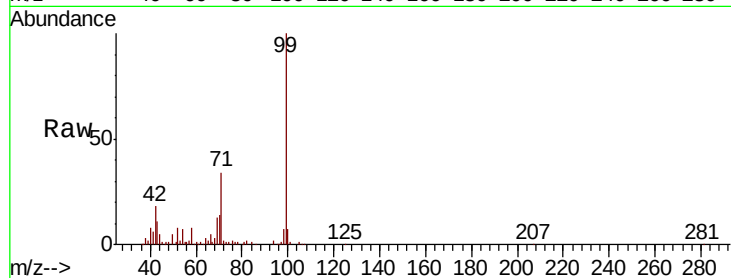
Tgt Ion: 99 Resp: 105793

Ion Ratio Lower Upper

99 100

42 18.3 17.6 26.4

71 33.8 27.8 41.6



#10

Phenol

Concen: 11.664 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.01 min

Lab File: BG041868.D

Acq: 1 Aug 2019 18:09

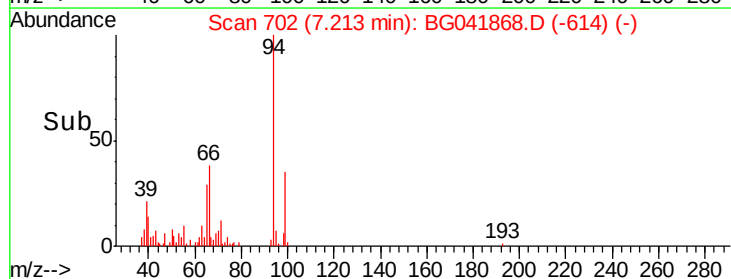
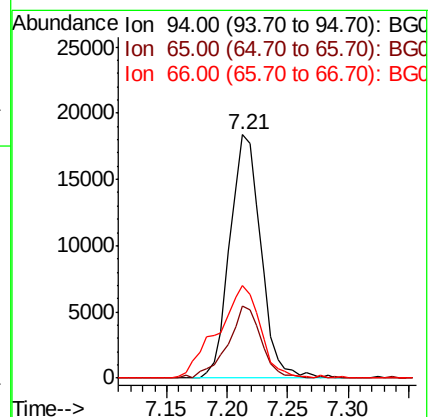
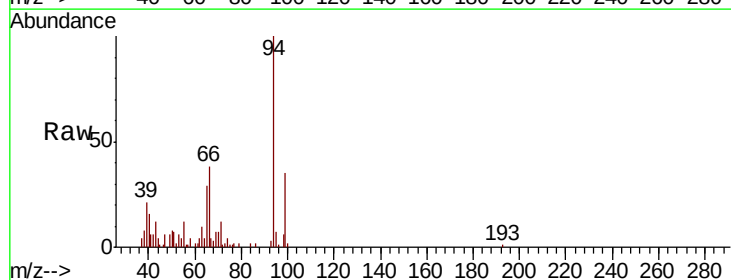
Tgt Ion: 94 Resp: 32824

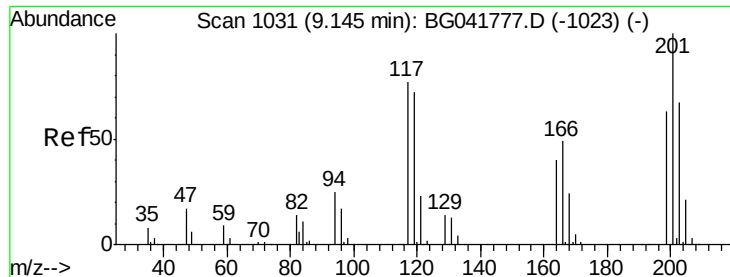
Ion Ratio Lower Upper

94 100

65 29.5 10.6 50.6

66 37.9 18.2 58.2

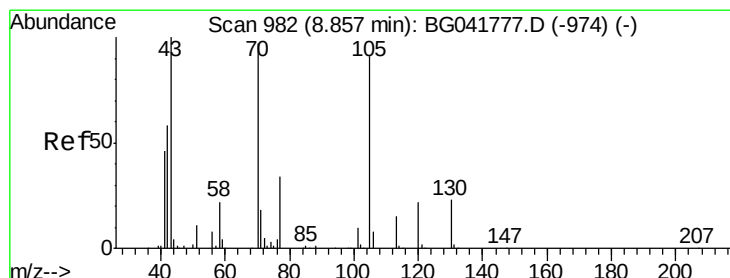
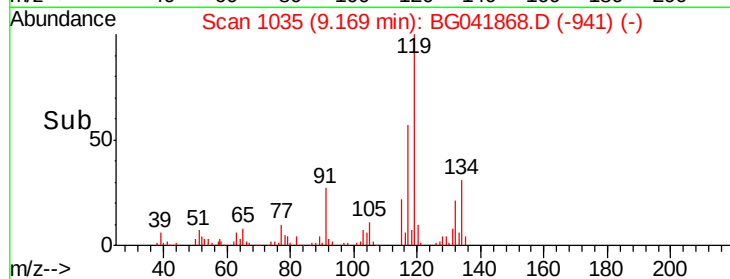
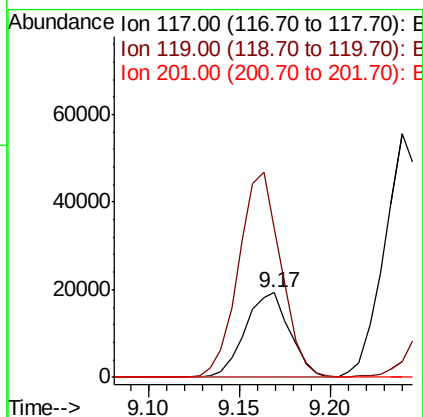
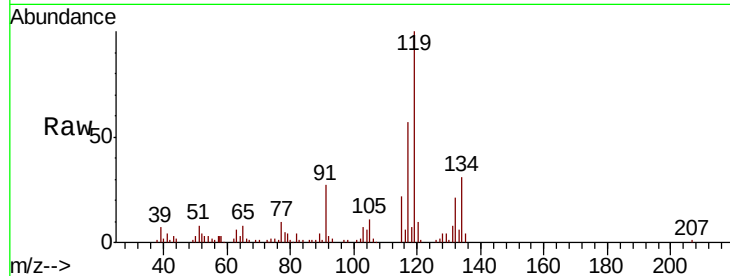




#18
Hexachloroethane
Concen: 32.224 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.02 min
Lab File: BG041868.D
Acq: 1 Aug 2019 18:09

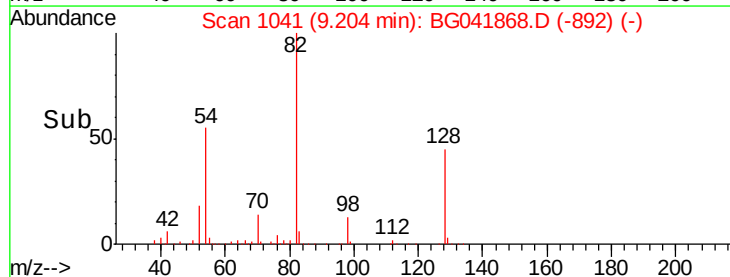
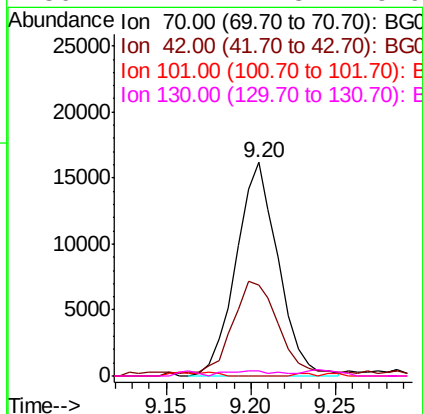
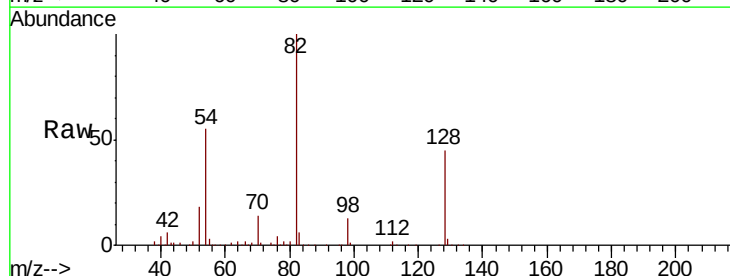
Instrument :
BNA_F
ClientSampleId :
OWL-C4-GW

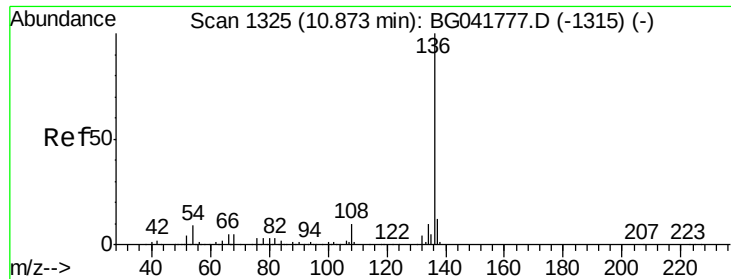
Tgt Ion: 117 Resp: 33109
Ion Ratio Lower Upper
117 100
119 176.1 76.2 114.2#
201 0.0 94.1 141.1#



#19
n-Nitroso-di-n-propylamine
Concen: 14.249 ng
RT: 9.20 min Scan# 1041
Delta R.T. 0.35 min
Lab File: BG041868.D
Acq: 1 Aug 2019 18:09

Tgt Ion: 70 Resp: 27982
Ion Ratio Lower Upper
70 100
42 42.3 55.8 83.6#
101 0.0 8.1 12.1#
130 2.4 17.3 25.9#

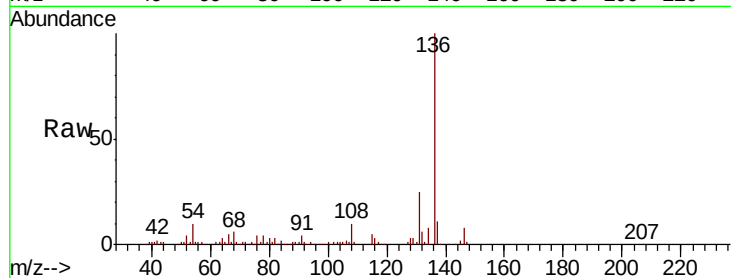




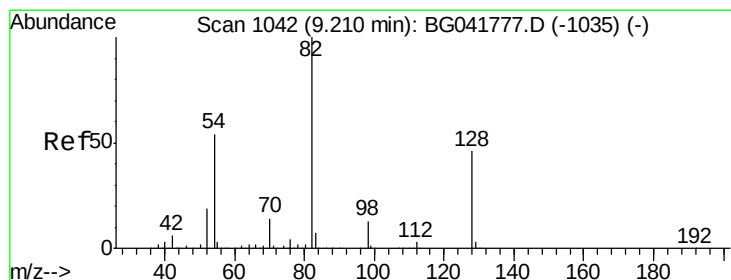
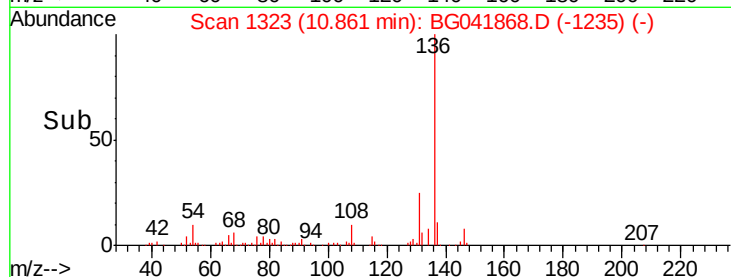
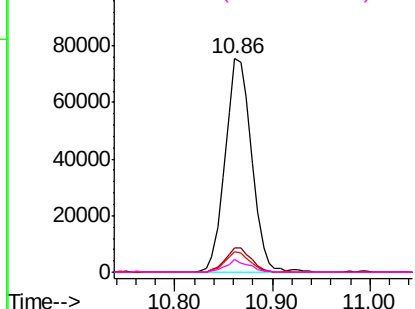
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG041868.D
Acq: 1 Aug 2019 18:09

Instrument :
BNA_F
ClientSampleId :
OWL-C4-GW

Tgt Ion:	136	Resp:	141868
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	9.7	8.7	13.1
68	5.8	5.5	8.3

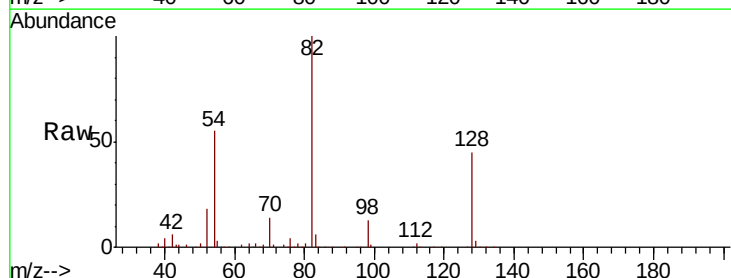


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

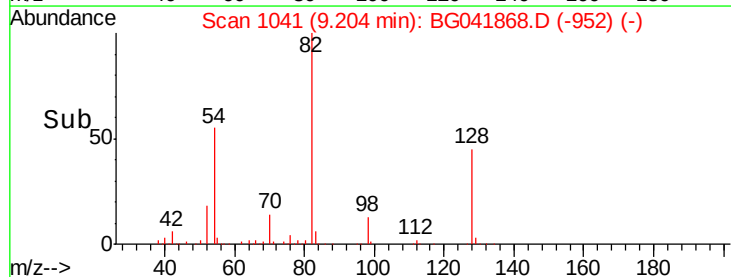
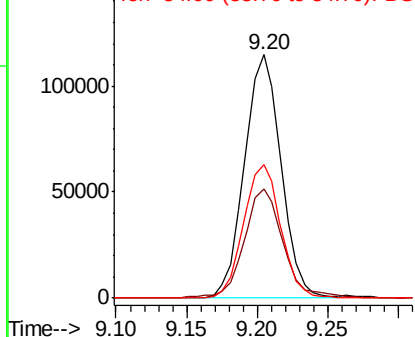


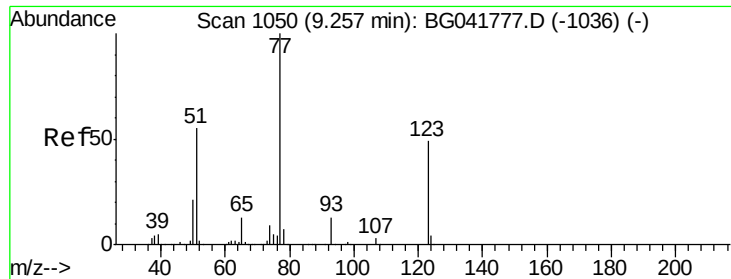
#23
Nitrobenzene-d5
Concen: 101.403 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG041868.D
Acq: 1 Aug 2019 18:09

Tgt Ion:	82	Resp:	209047
Ion	Ratio	Lower	Upper
82	100		
128	45.0	35.1	52.7
54	54.7	48.7	73.1



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

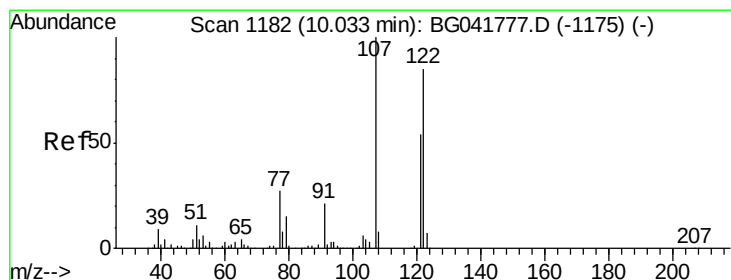
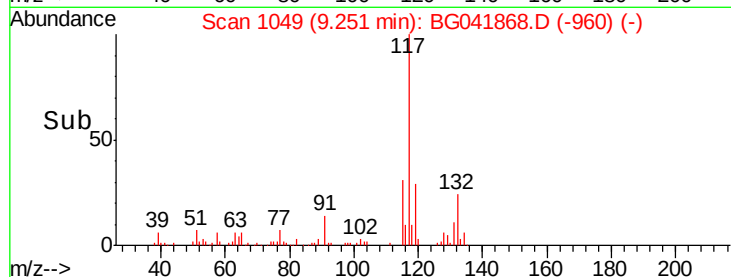
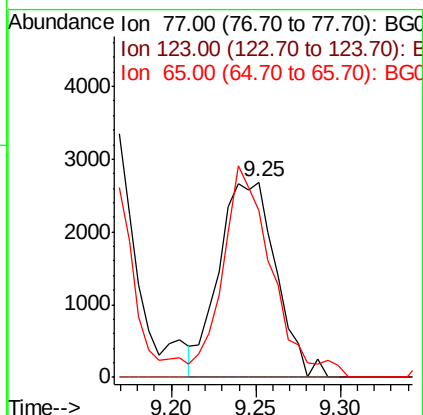
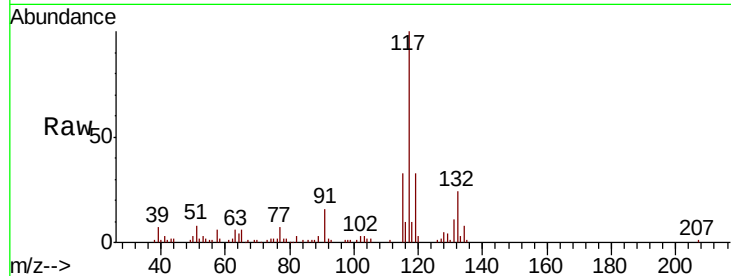




#24
 Nitrobenzene
 Concen: 2.897 ng
 RT: 9.25 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: BG041868.D
 Acq: 1 Aug 2019 18:09

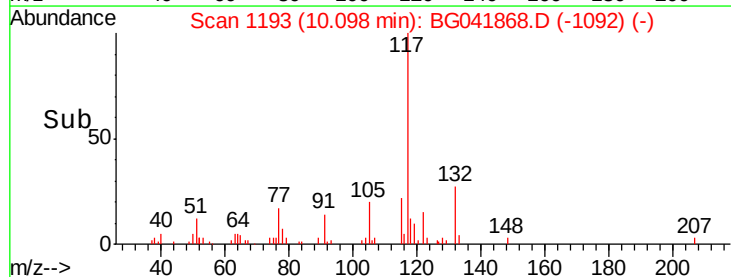
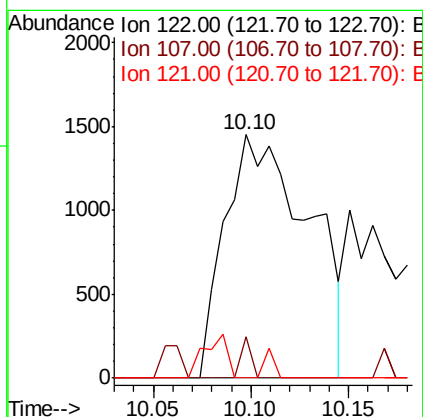
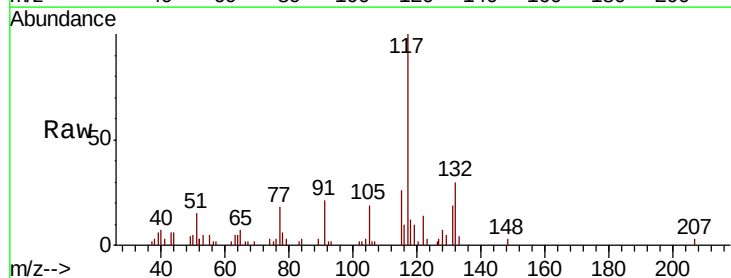
Instrument :
 BNA_F
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 OWL-C4-GW

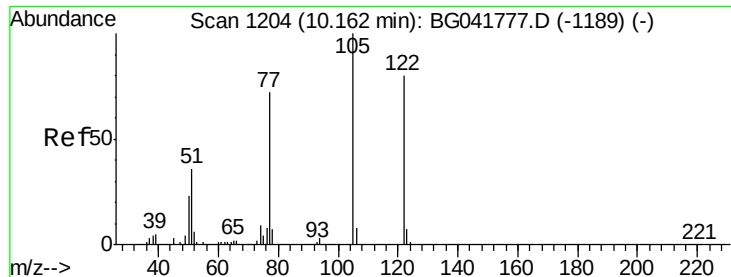
Tgt Ion: 77 Resp: 6292
 Ion Ratio Lower Upper
 77 100
 123 0.0 38.1 57.1#
 65 85.2 11.0 16.6#



#27
 2,4-Dimethylphenol
 Concen: 2.428 ng
 RT: 10.10 min Scan# 1193
 Delta R.T. 0.07 min
 Lab File: BG041868.D
 Acq: 1 Aug 2019 18:09

Tgt Ion: 122 Resp: 4319
 Ion Ratio Lower Upper
 122 100
 107 17.1 91.3 136.9#
 121 0.0 49.2 73.8#

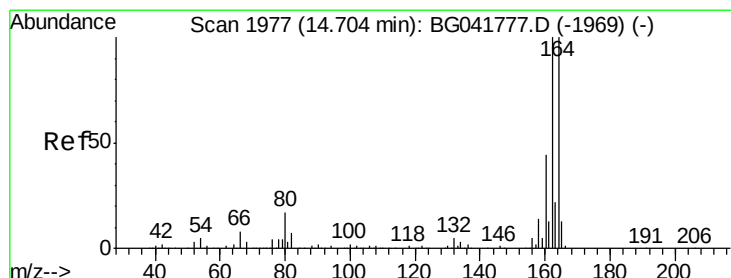
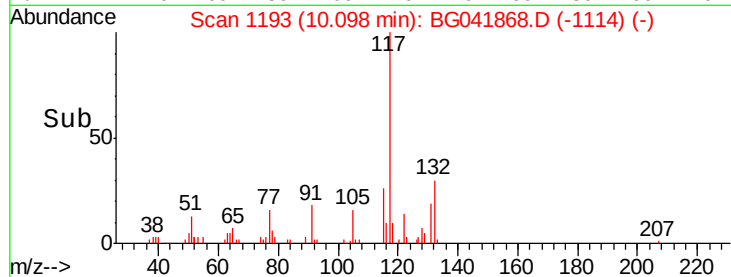
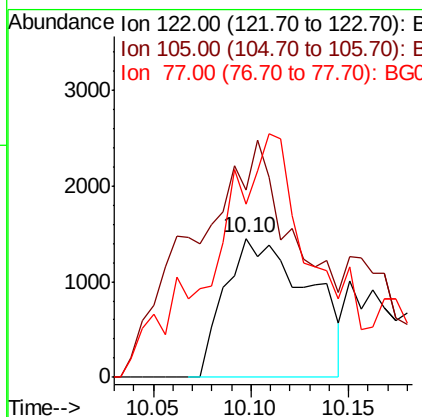
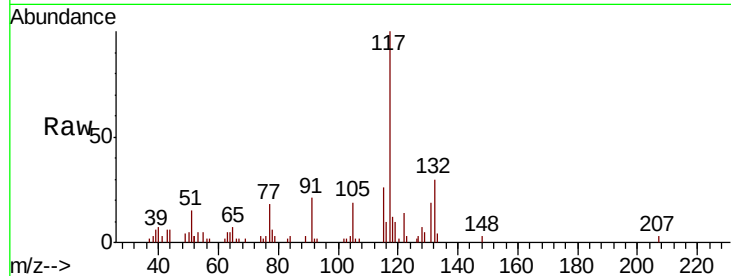




#32
Benzoic acid
Concen: 11.509 ng
RT: 10.10 min Scan# 1193
Delta R.T. -0.06 min
Lab File: BG041868.D
Acq: 1 Aug 2019 18:09

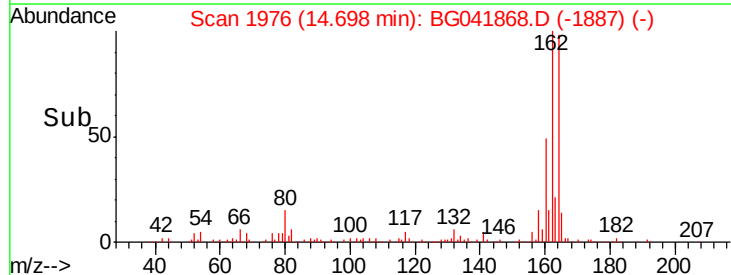
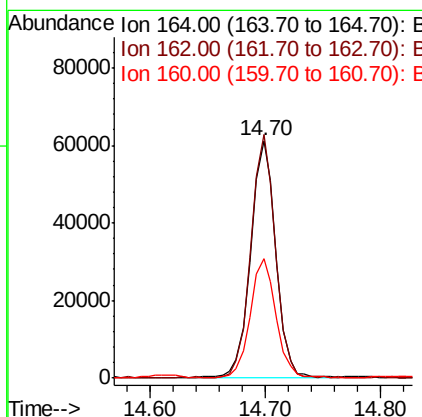
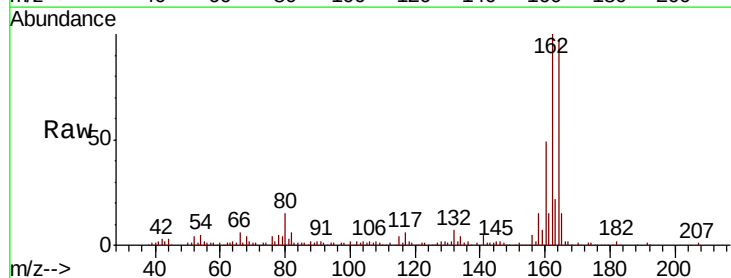
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OWL-C4-GW

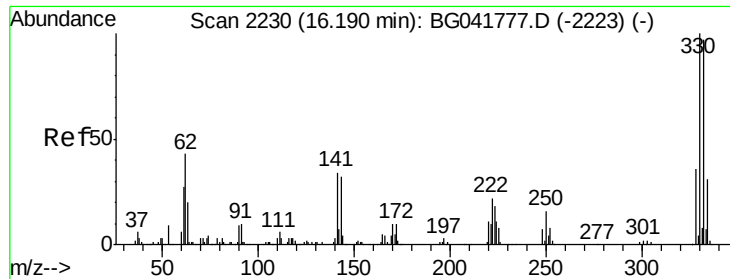
Tgt Ion:122 Resp: 4319
Ion Ratio Lower Upper
122 100
105 134.7 101.5 141.5
77 125.1 73.0 113.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BG041868.D
Acq: 1 Aug 2019 18:09

Tgt Ion:164 Resp: 93340
Ion Ratio Lower Upper
164 100
162 102.6 79.6 119.4
160 50.5 35.4 53.0

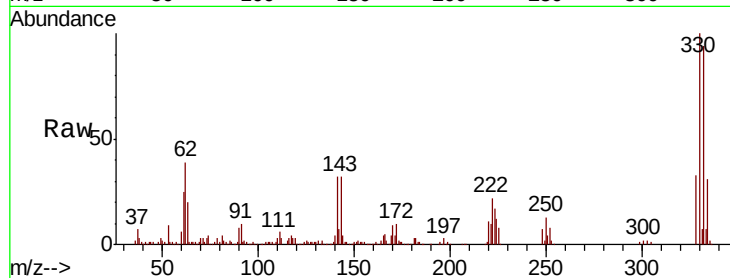




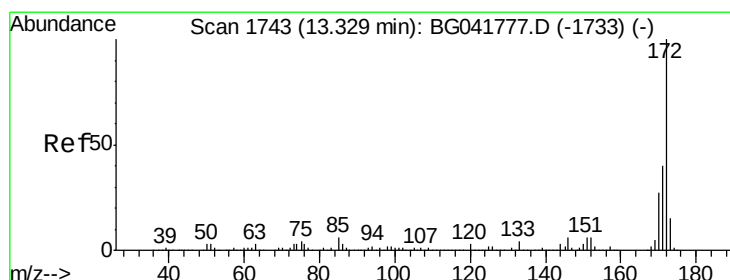
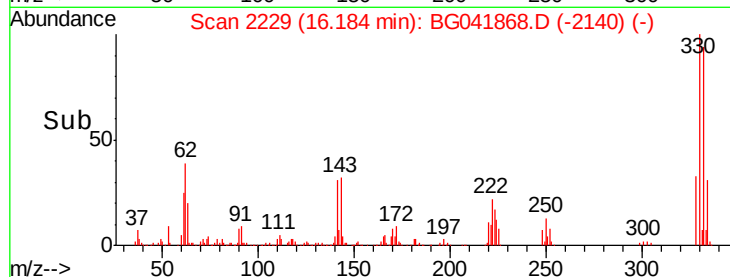
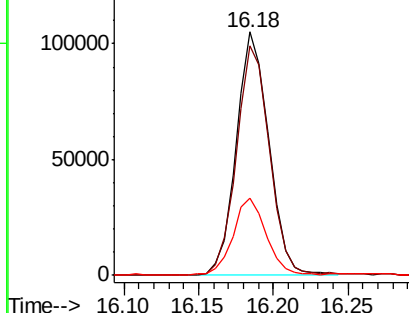
#42
 2,4,6-Tribromophenol
 Concen: 150.683 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BG041868.D
 Acq: 1 Aug 2019 18:09

Instrument :
 BNA_F
 ClientSampleId :
 OWL-C4-GW

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.4	116.0
141	31.8	31.9	47.9#

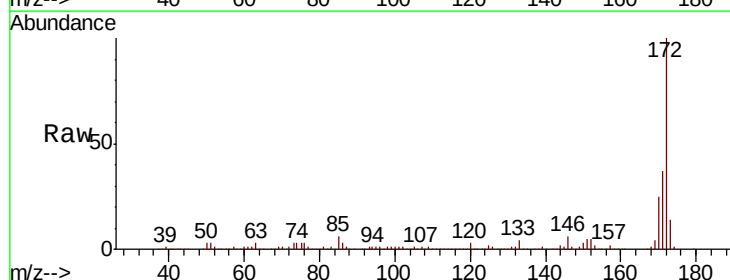


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

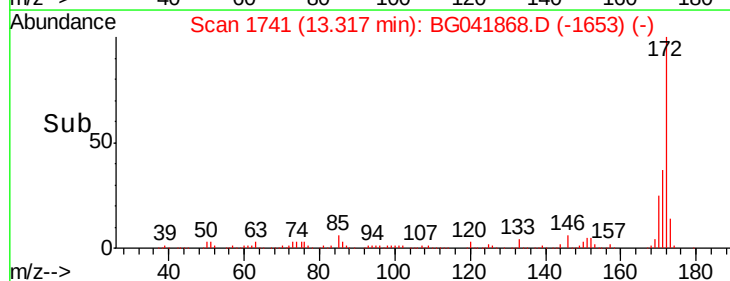
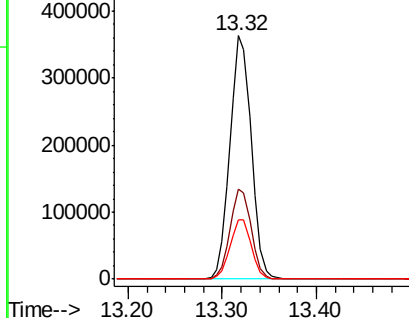


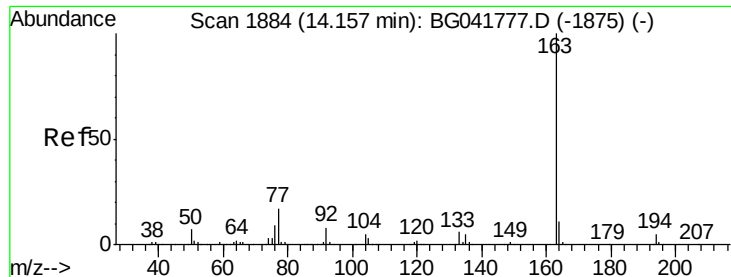
#45
 2-Fluorobiphenyl
 Concen: 108.325 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: BG041868.D
 Acq: 1 Aug 2019 18:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	35.0	52.4
170	24.5	23.5	35.3



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

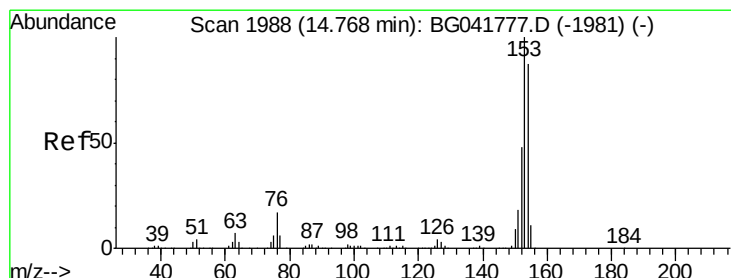
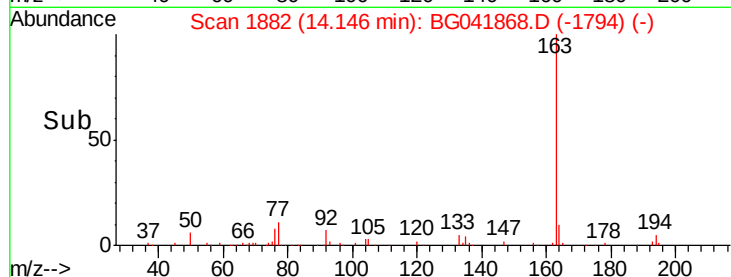
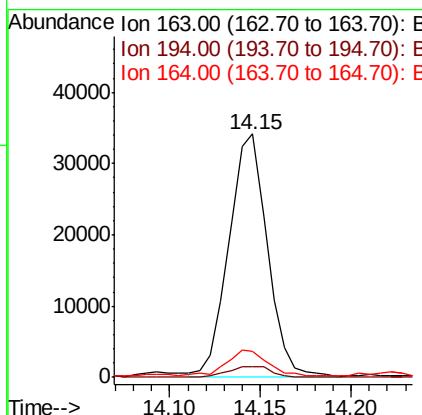
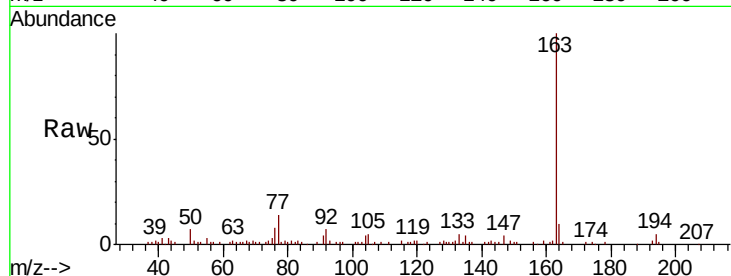




#50
Dimethylphthalate
Concen: 7.957 ng
RT: 14.15 min Scan# 1882
Delta R.T. -0.01 min
Lab File: BG041868.D
Acq: 1 Aug 2019 18:09

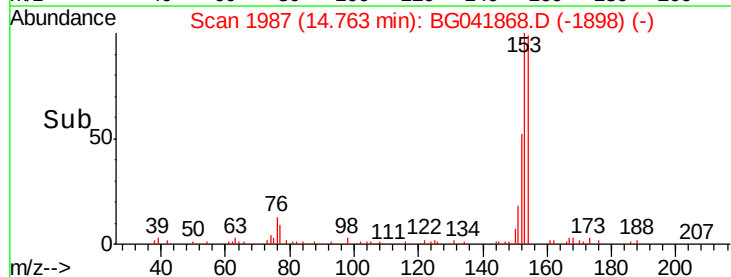
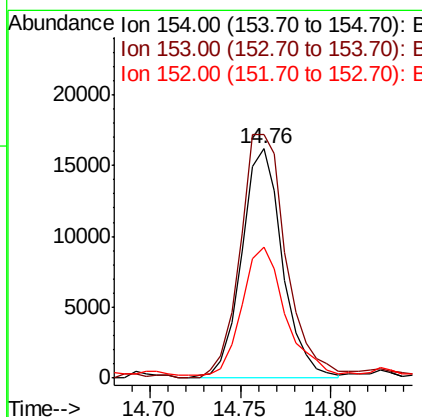
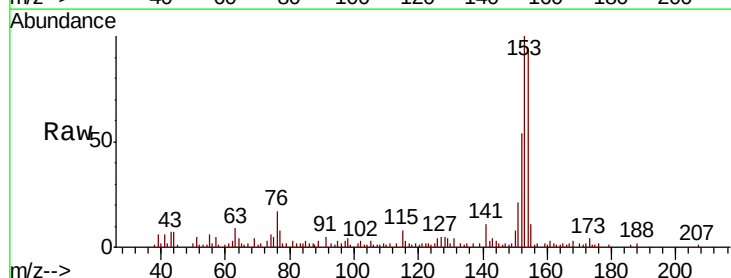
Instrument :
BNA_F
ClientSampleId :
OWL-C4-GW

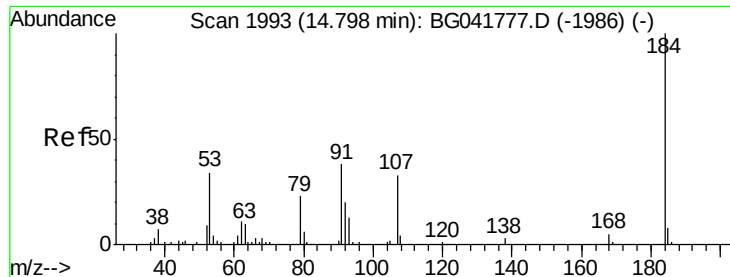
Tgt Ion:163 Resp: 50722
Ion Ratio Lower Upper
163 100
194 4.6 4.2 6.2
164 10.5 9.4 14.2



#52
Acenaphthene
Concen: 5.102 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BG041868.D
Acq: 1 Aug 2019 18:09

Tgt Ion:154 Resp: 25358
Ion Ratio Lower Upper
154 100
153 105.9 89.8 134.6
152 57.2 44.9 67.3

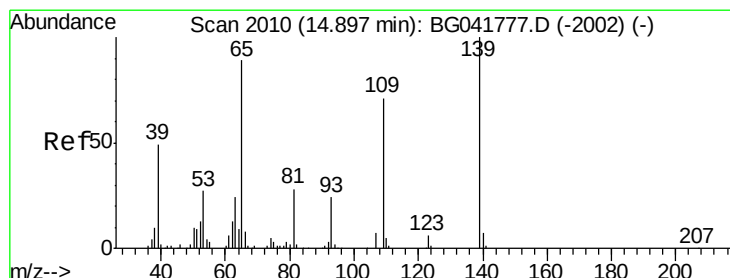
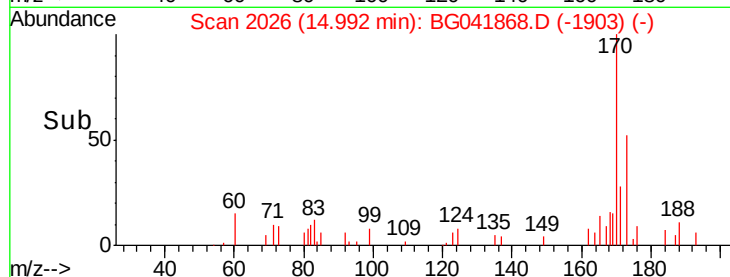
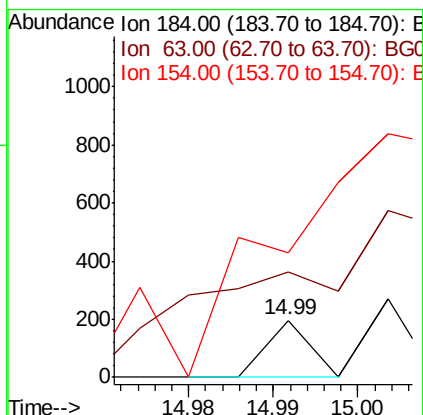
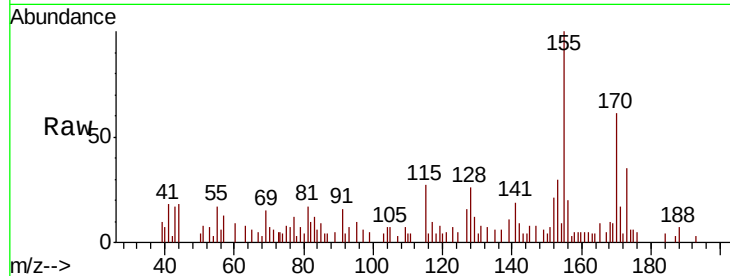




#54
 2,4-Dinitrophenol
 Concen: 3.370 ng
 RT: 14.99 min Scan# 2026
 Delta R.T. 0.19 min
 Lab File: BG041868.D
 Acq: 1 Aug 2019 18:09

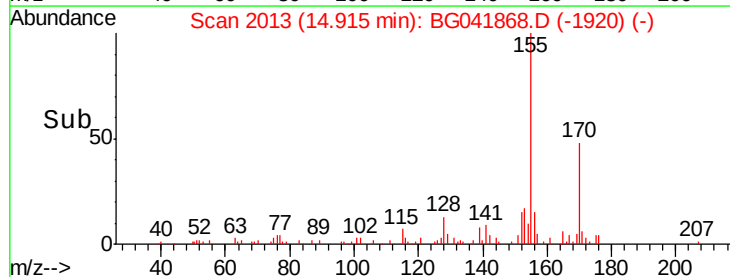
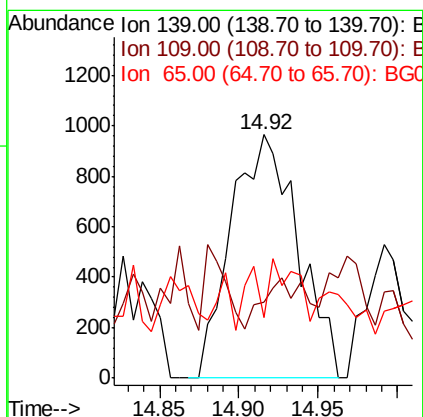
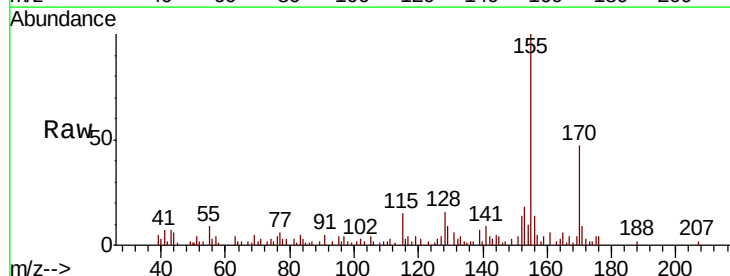
Instrument :
 BNA_F
 ClientSampleId :
 OWL-C4-GW

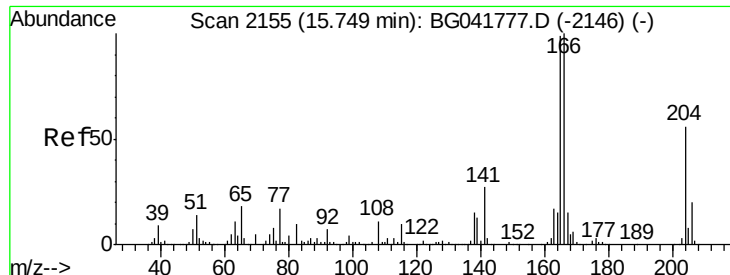
Tgt Ion:184 Resp: 69
 Ion Ratio Lower Upper
 184 100
 63 185.2 43.2 64.8#
 154 219.4 51.4 77.2#



#56
 4-Nitrophenol
 Concen: 2.606 ng
 RT: 14.92 min Scan# 2013
 Delta R.T. 0.02 min
 Lab File: BG041868.D
 Acq: 1 Aug 2019 18:09

Tgt Ion:139 Resp: 2821
 Ion Ratio Lower Upper
 139 100
 109 31.0 51.3 91.3#
 65 25.1 77.6 117.6#





#58

Fluorene

Concen: 7.328 ng

RT: 15.75 min Scan# 2155

Delta R.T. 0.00 min

Lab File: BG041868.D

Acq: 1 Aug 2019 18:09

Instrument :

BNA_F

ClientSampleId :

OWL-C4-GW

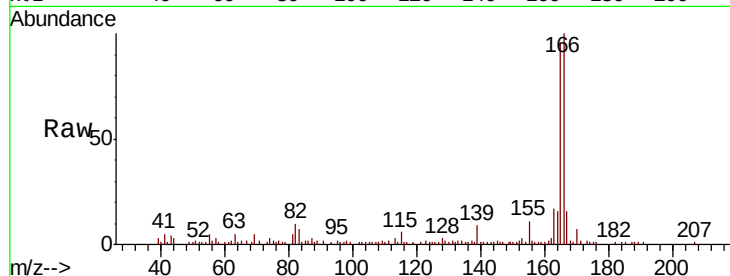
Tgt Ion:166 Resp: 44707

Ion Ratio Lower Upper

166 100

165 96.4 80.5 120.7

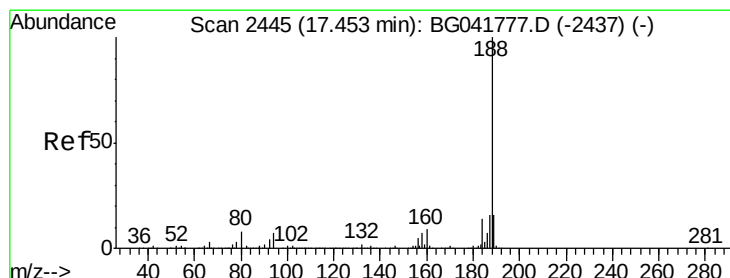
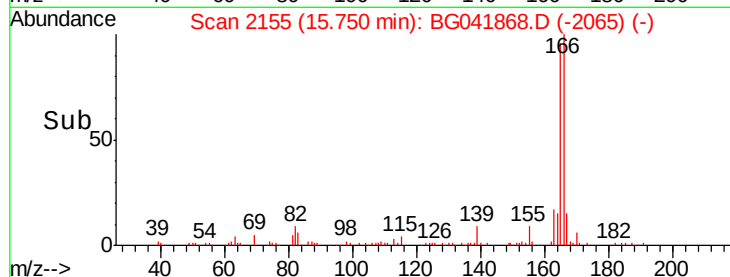
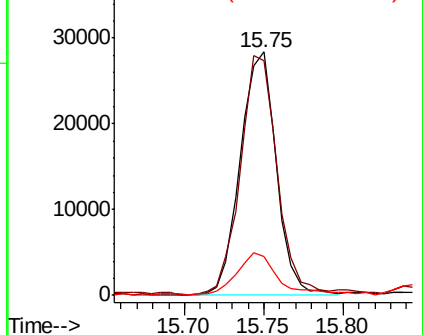
167 15.9 12.4 18.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.45 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BG041868.D

Acq: 1 Aug 2019 18:09

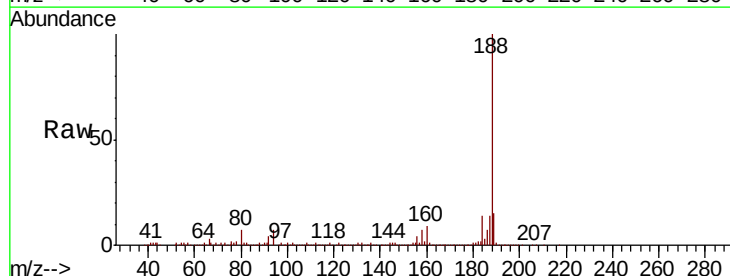
Tgt Ion:188 Resp: 207272

Ion Ratio Lower Upper

188 100

94 7.4 6.9 10.3

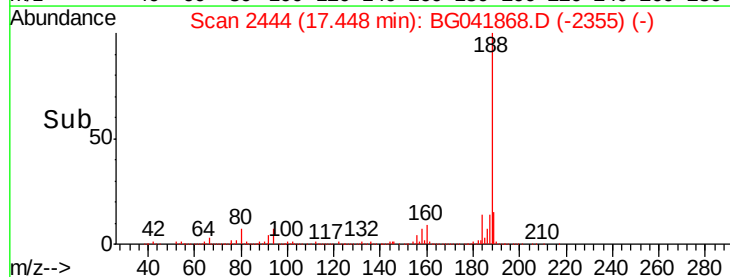
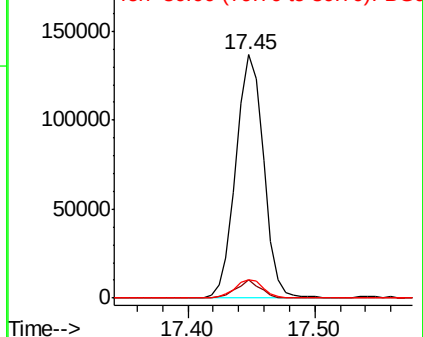
80 7.5 8.0 12.0#

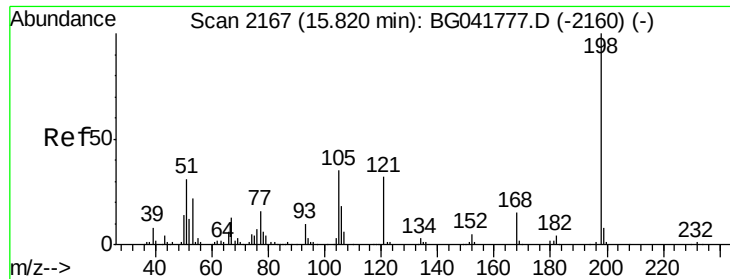


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

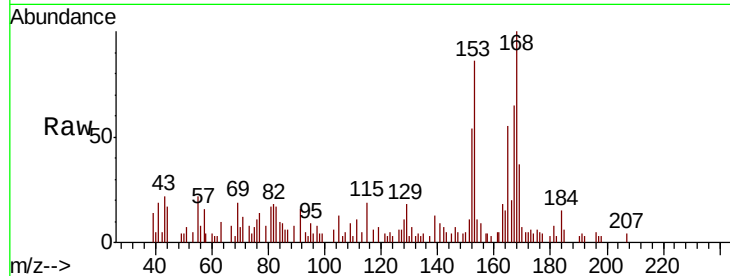




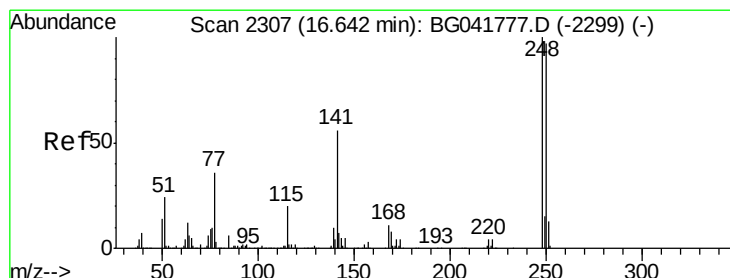
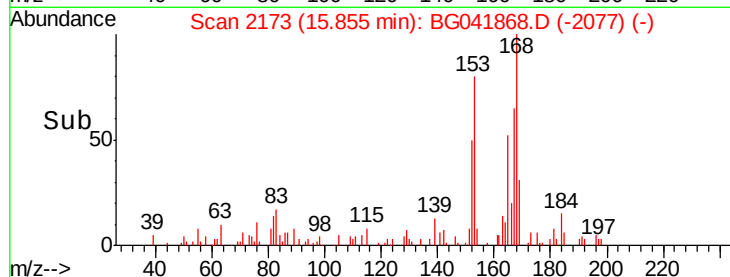
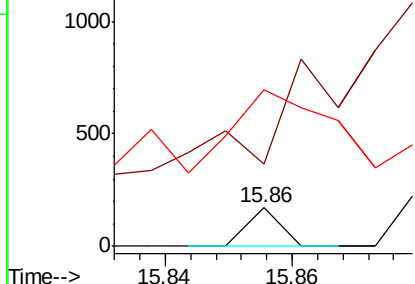
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.904 ng
 RT: 15.86 min Scan# 2173
 Delta R.T. 0.04 min
 Lab File: BG041868.D
 Acq: 1 Aug 2019 18:09

Instrument :
 BNA_F
 ClientSampleId :
 OWL-C4-GW

Tgt Ion:198 Resp: 61
 Ion Ratio Lower Upper
 198 100
 51 214.5 22.3 62.3#
 105 404.7 18.0 58.0#

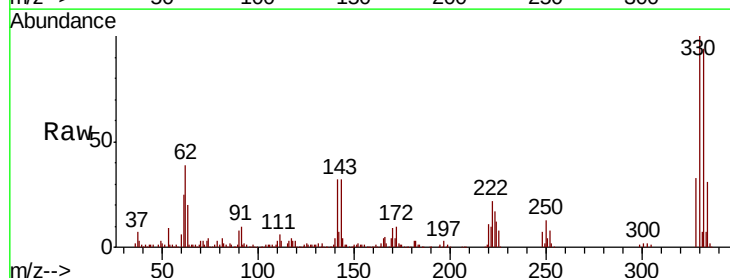


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

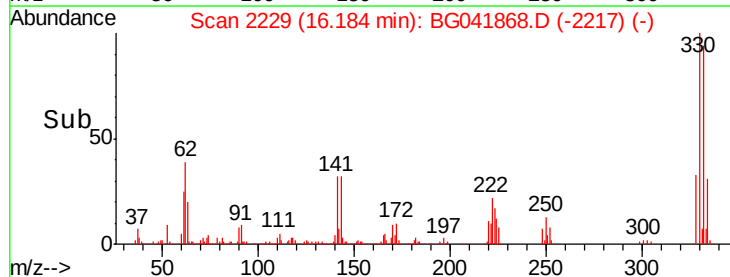
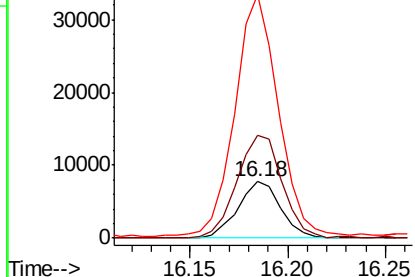


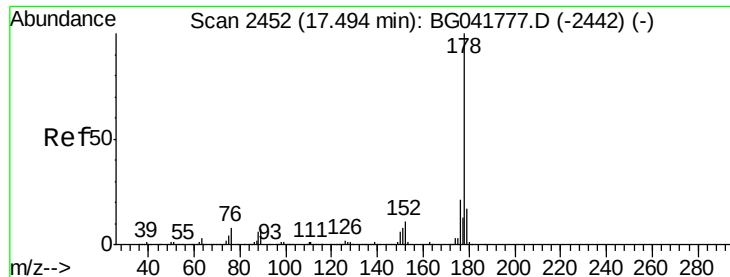
#67
 4-Bromophenyl-phenylether
 Concen: 4.612 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.46 min
 Lab File: BG041868.D
 Acq: 1 Aug 2019 18:09

Tgt Ion:248 Resp: 11775
 Ion Ratio Lower Upper
 248 100
 250 235.1 78.1 117.1#
 141 432.4 49.6 74.4#



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

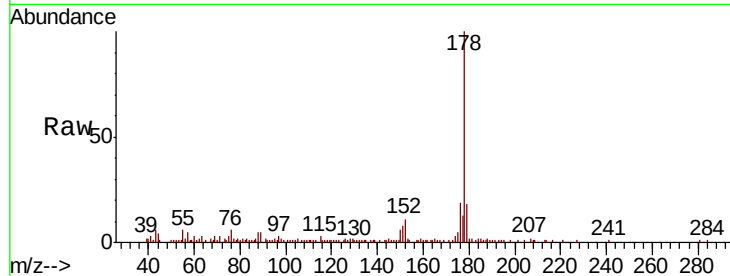




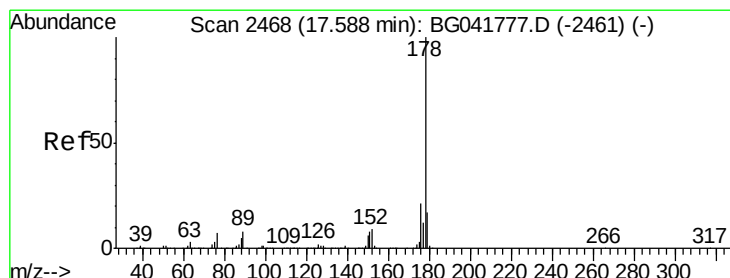
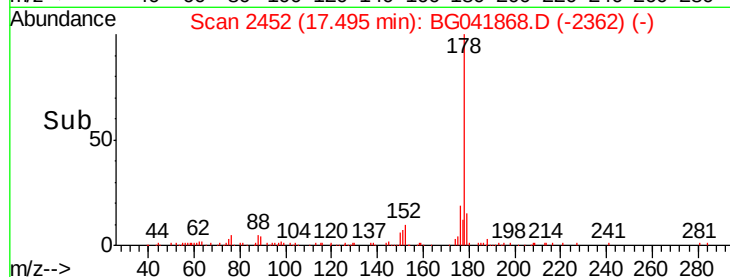
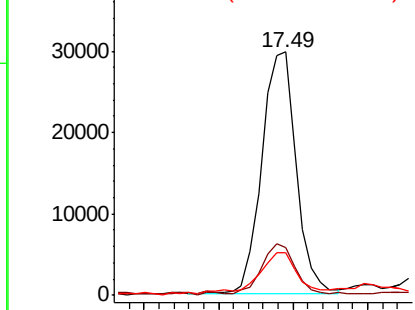
#71
Phenanthrene
Concen: 4.787 ng
RT: 17.49 min Scan# 2452
Delta R.T. 0.00 min
Lab File: BG041868.D
Acq: 1 Aug 2019 18:09

Instrument :
BNA_F
ClientSampleId :
OWL-C4-GW

Tgt Ion:178 Resp: 47558
Ion Ratio Lower Upper
178 100
176 19.4 18.6 28.0
179 17.5 15.4 23.0

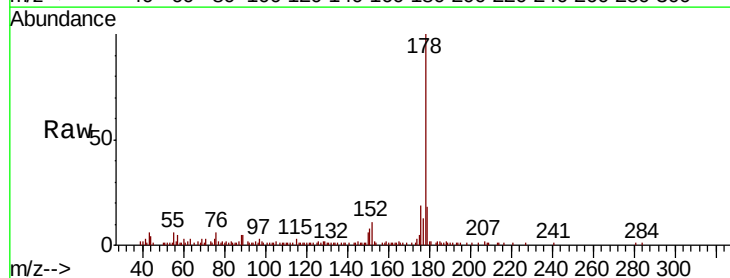


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

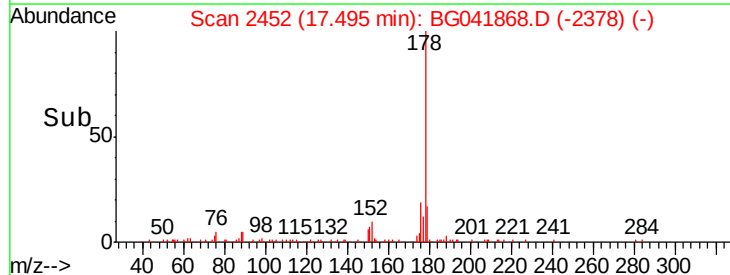
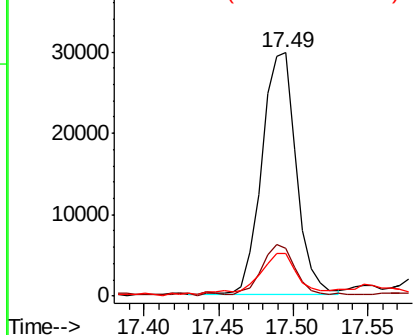


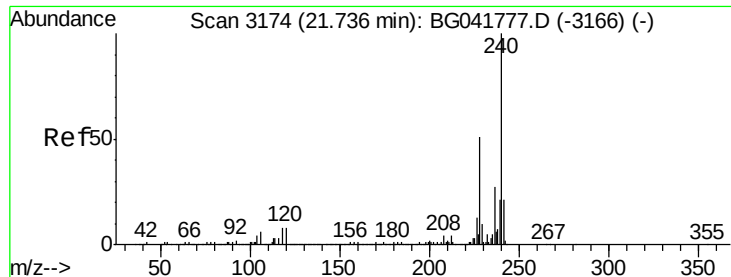
#72
Anthracene
Concen: 4.800 ng
RT: 17.49 min Scan# 2452
Delta R.T. -0.09 min
Lab File: BG041868.D
Acq: 1 Aug 2019 18:09

Tgt Ion:178 Resp: 47558
Ion Ratio Lower Upper
178 100
176 19.4 18.6 28.0
179 17.5 15.1 22.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

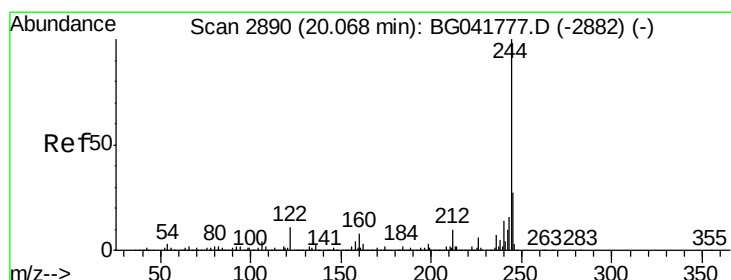
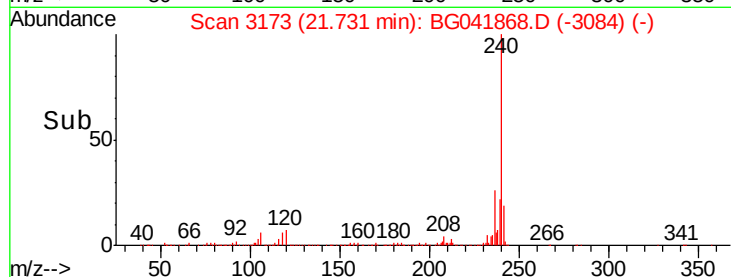
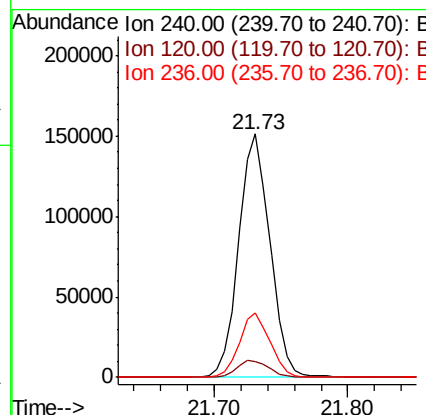
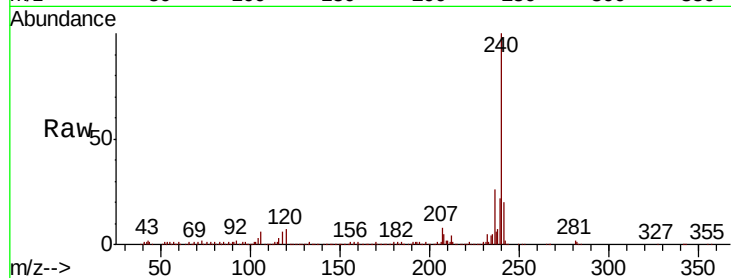




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3173
 Delta R.T. -0.01 min
 Lab File: BG041868.D
 Acq: 1 Aug 2019 18:09

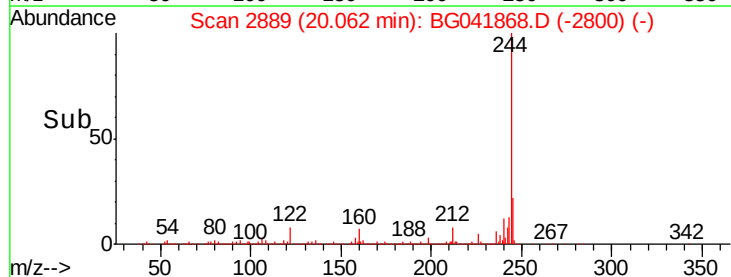
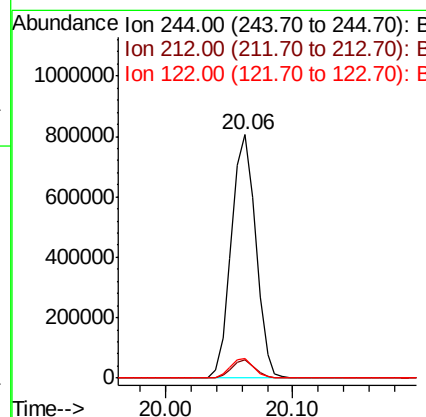
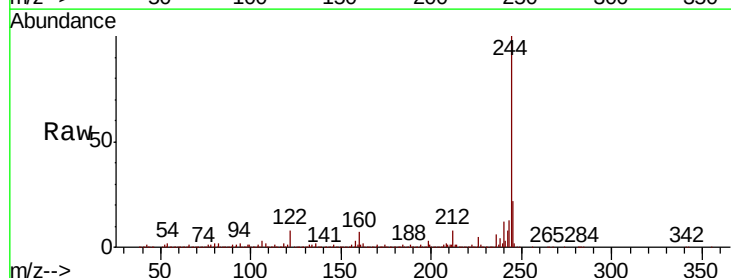
Instrument :
 BNA_F
 ClientSampleId :
 OWL-C4-GW

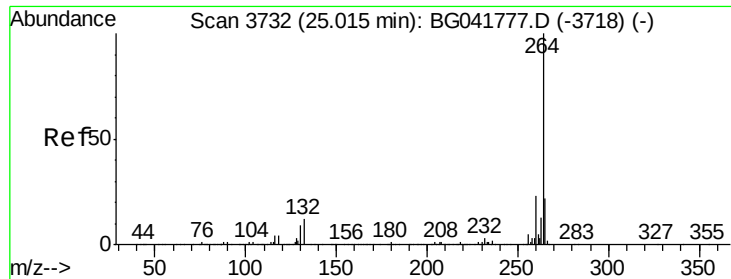
Tgt Ion:240 Resp: 245871
 Ion Ratio Lower Upper
 240 100
 120 6.6 8.0 12.0#
 236 26.3 22.6 33.8



#79
 Terphenyl-d14
 Concen: 99.903 ng
 RT: 20.06 min Scan# 2889
 Delta R.T. -0.00 min
 Lab File: BG041868.D
 Acq: 1 Aug 2019 18:09

Tgt Ion:244 Resp: 1073447
 Ion Ratio Lower Upper
 244 100
 212 7.6 9.7 14.5#
 122 8.0 12.5 18.7#





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.00 min Scan# 3730
Delta R.T. -0.01 min
Lab File: BG041868.D
Acq: 1 Aug 2019 18:09

Instrument :
BNA_F
ClientSampleId :
OWL-C4-GW

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.8	19.5	29.3
265	21.5	18.0	27.0

