

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012221\
 Data File : BG047984.D
 Acq On : 22 Jan 2021 19:00
 Operator : CG/JU
 Sample : M1177-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PILE-1-(0.5-1.0)

Quant Time: Jan 22 22:26:14 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 21 14:42:53 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

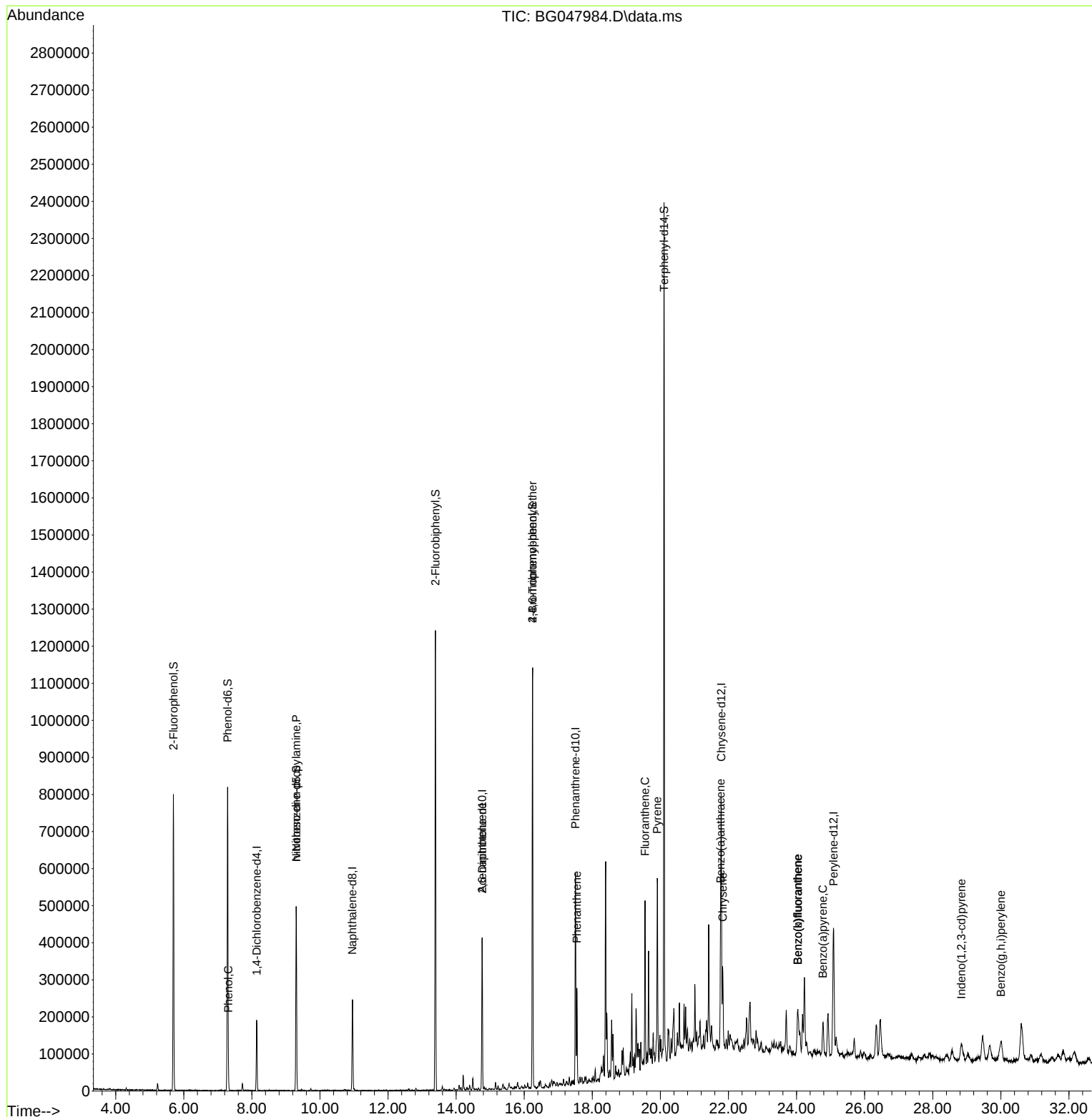
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.139	152	51919	20.00	ng	-0.01
21) Naphthalene-d8	10.953	136	199744	20.00	ng	#-0.01
39) Acenaphthene-d10	14.766	164	150621	20.00	ng	0.00
64) Phenanthrene-d10	17.504	188	365617	20.00	ng	#-0.01
76) Chrysene-d12	21.788	240	387195	20.00	ng	#-0.01
86) Perylene-d12	25.090	264	397132	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.695	112	304741	95.73	ng	0.00
7) Phenol-d6	7.287	99	425742	88.59	ng	0.00
23) Nitrobenzene-d5	9.302	82	295975	65.16	ng	-0.01
42) 2,4,6-Tribromophenol	16.247	330	221458	91.88	ng	0.00
45) 2-Fluorobiphenyl	13.392	172	631767	56.02	ng	0.00
79) Terphenyl-d14	20.107	244	1022650	48.83	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.568	88	118	Below Cal	#	63
9) Benzaldehyde	7.287	77	1100	Below Cal	#	1
10) Phenol	7.310	94	13364	2.94	ng	73
19) n-Nitroso-di-n-propyla...	9.302	70	41808	12.29	ng	# 77
32) Benzoic acid	10.148	122	127	Below Cal		90
51) 2,6-Dinitrotoluene	14.766	165	20761	8.24	ng	# 35
67) 4-Bromophenyl-phenylether	16.247	248	14883	3.07	ng	# 1
71) Phenanthrene	17.545	178	168657	8.53	ng	95
75) Fluoranthene	19.549	202	243683	9.26	ng	97
78) Pyrene	19.907	202	328236	12.53	ng	95
81) Benzo(a)anthracene	21.764	228	153655	5.75	ng	96
83) Chrysene	21.829	228	180088	7.03	ng	99
87) Indeno(1,2,3-cd)pyrene	28.838	276	88965	2.93	ng	# 88
88) Benzo(b)fluoranthene	24.038	252	172047	6.51	ng	99
89) Benzo(k)fluoranthene	24.038	252	172047	6.70	ng	99
90) Benzo(a)pyrene	24.772	252	101934	4.10	ng	100
92) Benzo(g,h,i)perylene	30.001	276	96683	3.99	ng	# 93

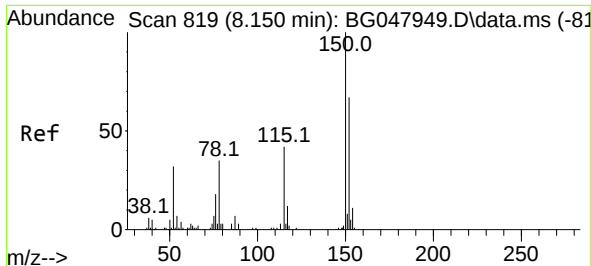
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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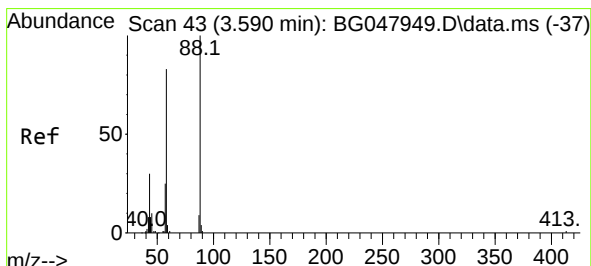
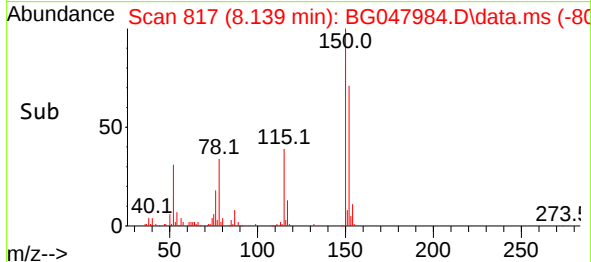
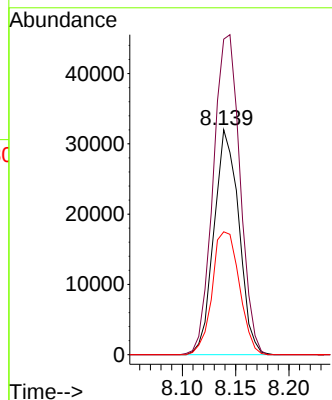
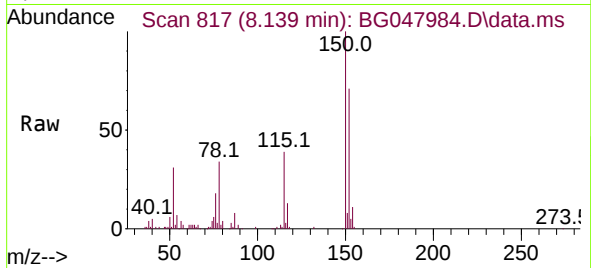




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.139 min Scan# 817
Delta R.T. -0.011 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

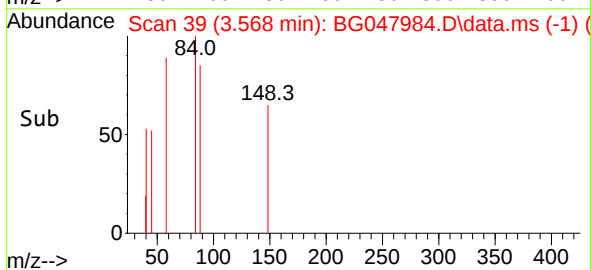
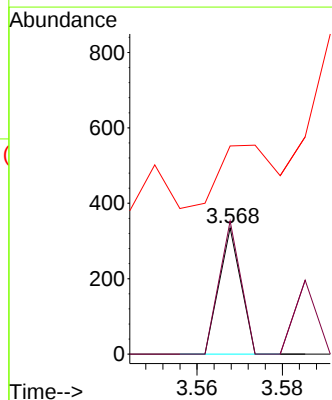
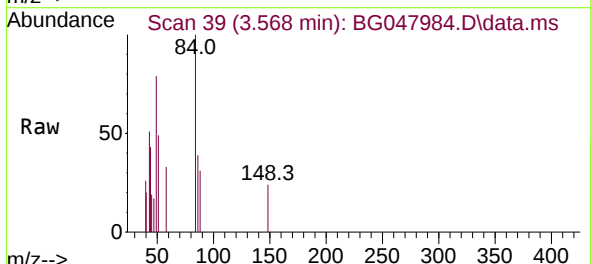
Instrument :
BNA_G
ClientSampleId :
PILE-1-(0.5-1.0)

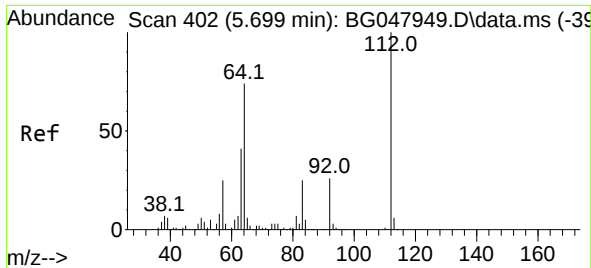
Tgt Ion:152 Resp: 51919
Ion Ratio Lower Upper
152 100
150 140.2 125.0 187.6
115 54.6 41.8 62.6



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.568 min Scan# 39
Delta R.T. -0.022 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

Tgt Ion: 88 Resp: 118
Ion Ratio Lower Upper
88 100
58 105.1 61.6 92.4#
43 0.0 21.3 31.9#

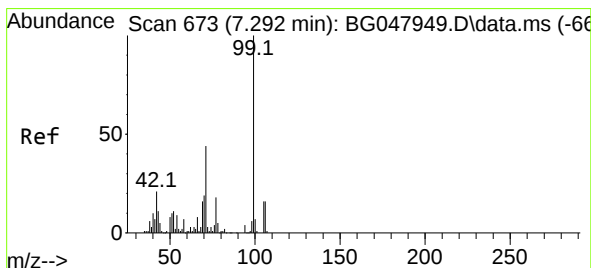
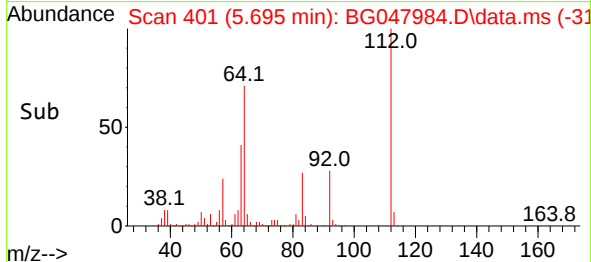
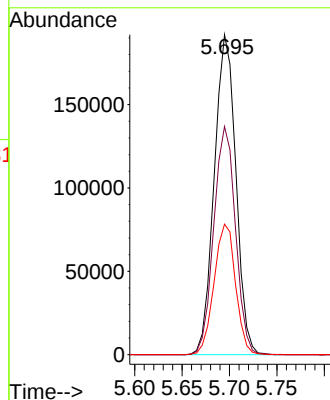
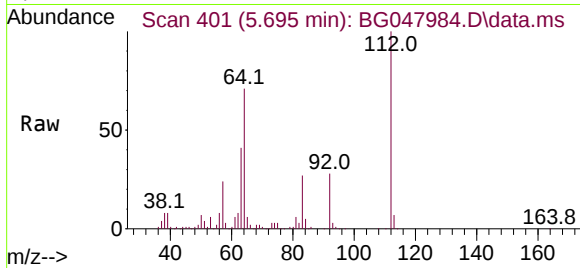




#5
2-Fluorophenol
Concen: 95.73 ng
RT: 5.695 min Scan# 401
Delta R.T. -0.005 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

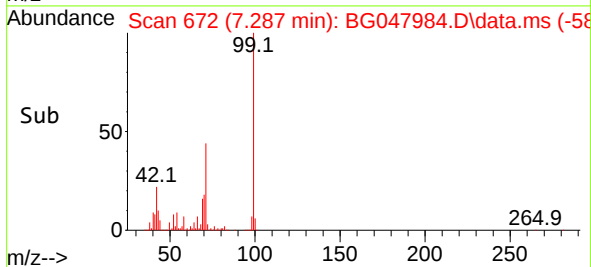
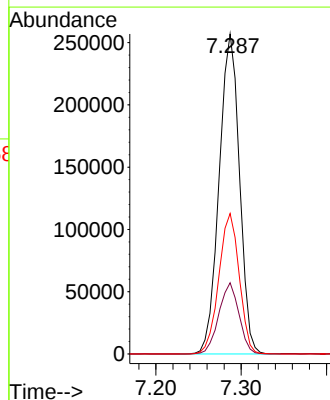
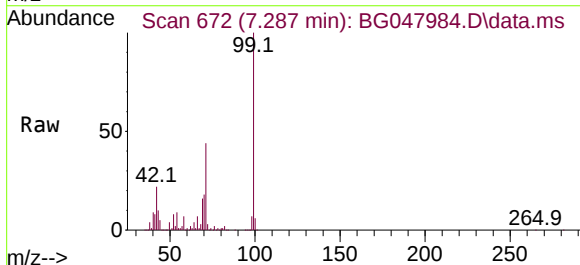
Instrument :
BNA_G
ClientSampleId :
PILE-1-(0.5-1.0)

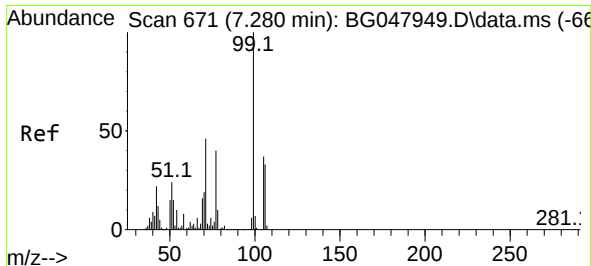
Tgt Ion:112 Resp: 304741
Ion Ratio Lower Upper
112 100
64 71.3 46.7 70.1#
63 40.8 22.8 34.2#



#7
Phenol-d6
Concen: 88.59 ng
RT: 7.287 min Scan# 672
Delta R.T. -0.005 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

Tgt Ion: 99 Resp: 425742
Ion Ratio Lower Upper
99 100
42 22.2 12.8 19.2#
71 43.9 24.6 36.8#

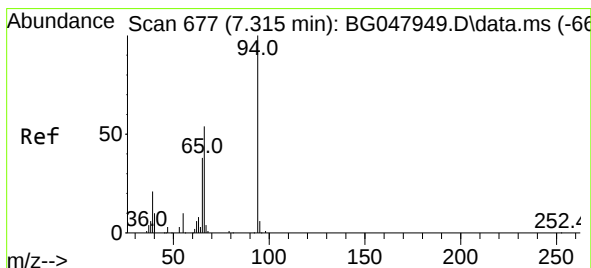
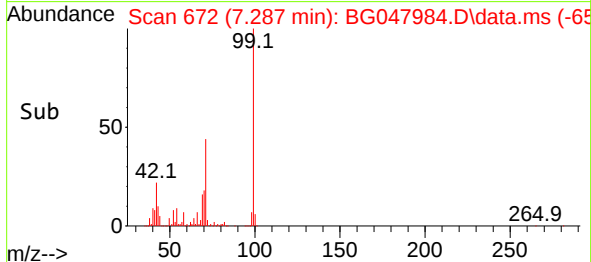
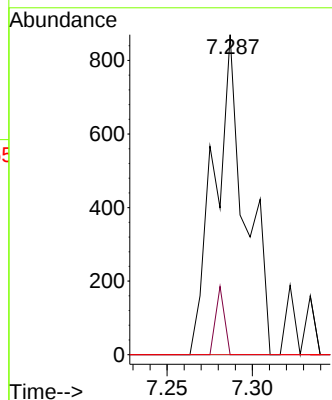
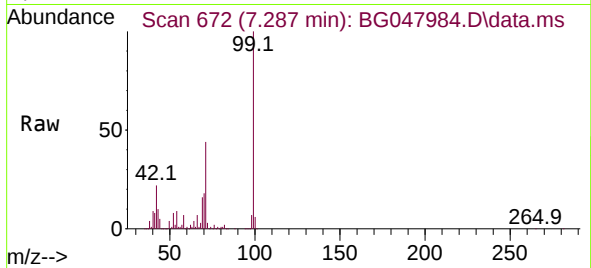




#9
Benzaldehyde
Concen: Below Cal
RT: 7.287 min Scan# 672
Delta R.T. 0.007 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

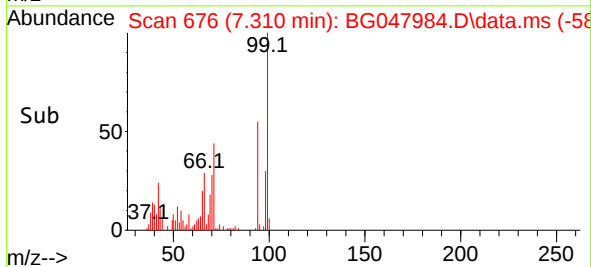
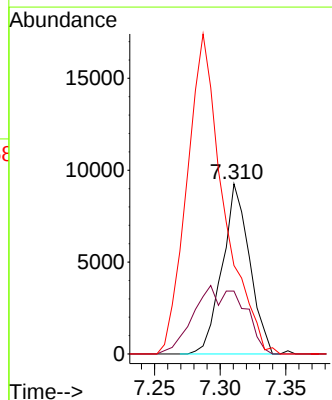
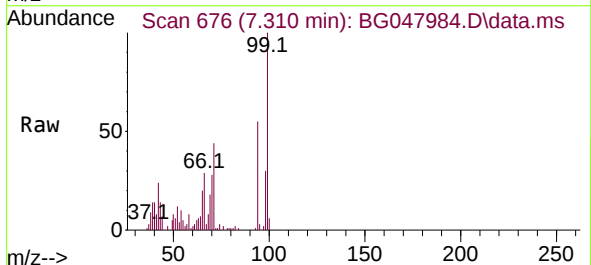
Instrument :
BNA_G
ClientSampleId :
PILE-1-(0.5-1.0)

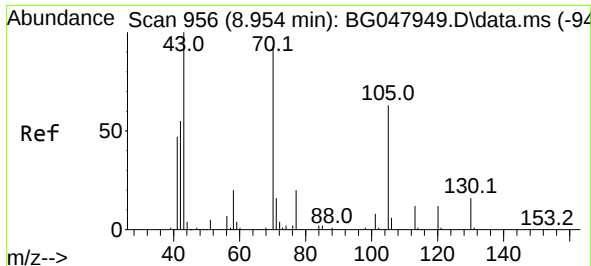
Tgt Ion: 77 Resp: 1100
Ion Ratio Lower Upper
77 100
105 0.0 85.9 125.9#
106 0.0 80.9 120.9#



#10
Phenol
Concen: 2.94 ng
RT: 7.310 min Scan# 676
Delta R.T. -0.005 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

Tgt Ion: 94 Resp: 13364
Ion Ratio Lower Upper
94 100
65 37.0 6.6 46.6
66 52.0 13.9 53.9

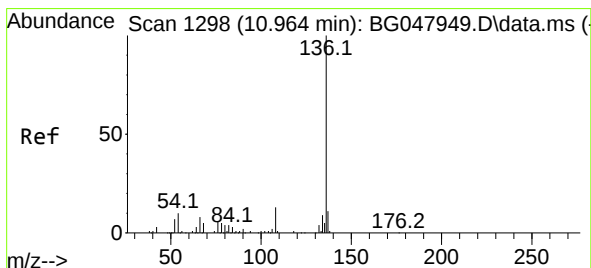
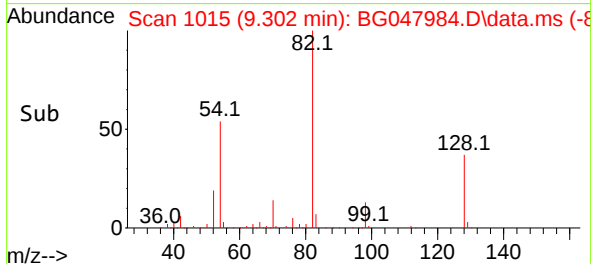
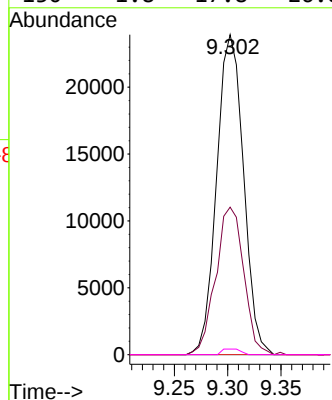
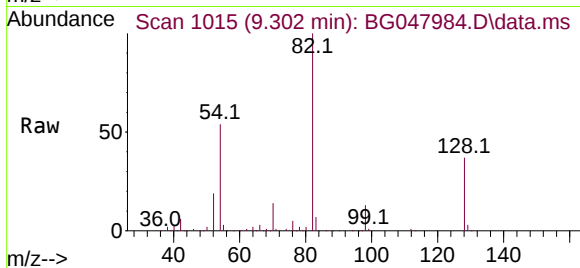




#19
n-Nitroso-di-n-propylamine
Concen: 12.29 ng
RT: 9.302 min Scan# 1015
Delta R.T. 0.348 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

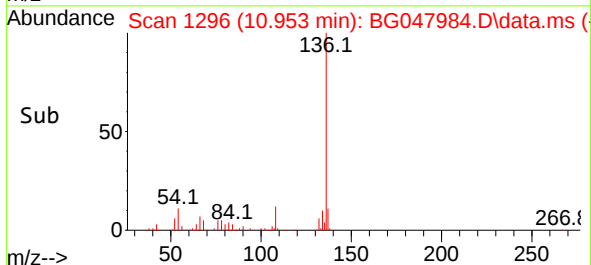
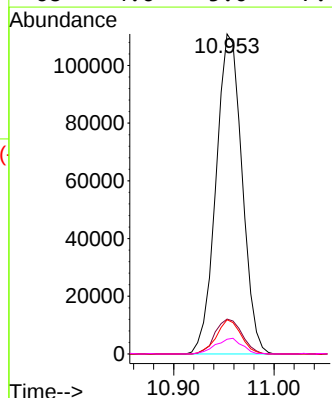
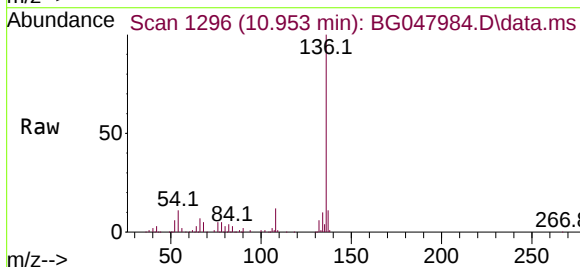
Instrument :
BNA_G
ClientSampleId :
PILE-1-(0.5-1.0)

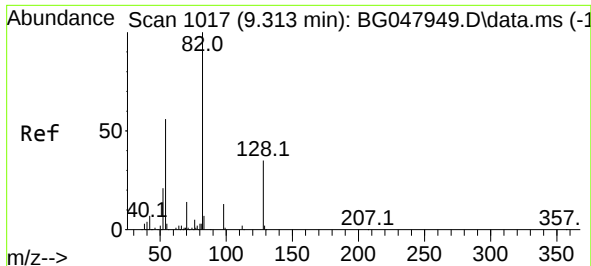
Tgt Ion: 70 Resp: 41808
Ion Ratio Lower Upper
70 100
42 46.1 45.6 68.4
101 0.0 8.4 12.6#
130 1.8 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.953 min Scan# 1296
Delta R.T. -0.011 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

Tgt Ion:136 Resp: 199744
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 10.7 6.2 9.4#
68 4.6 5.0 7.4#

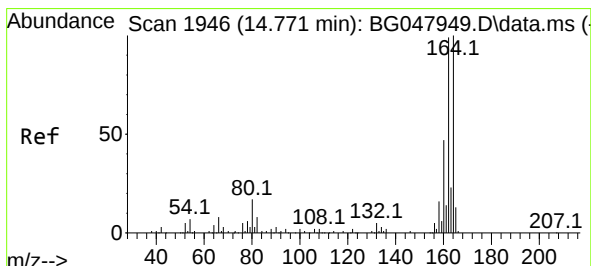
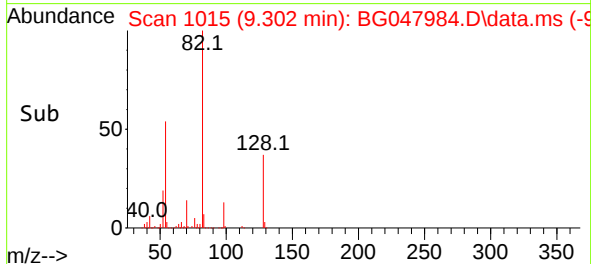
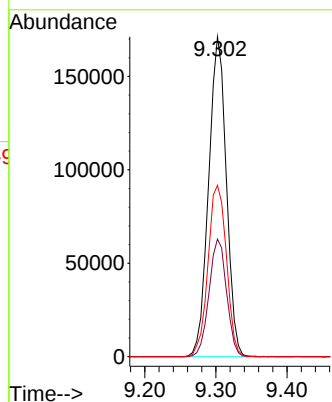
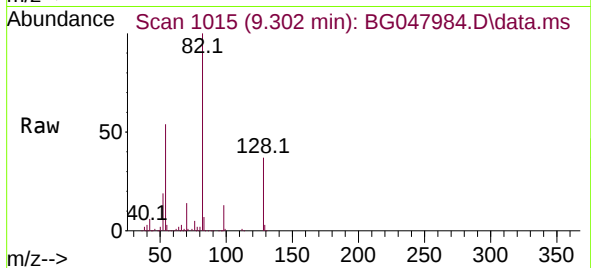




#23
Nitrobenzene-d5
Concen: 65.16 ng
RT: 9.302 min Scan# 1015
Delta R.T. -0.011 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

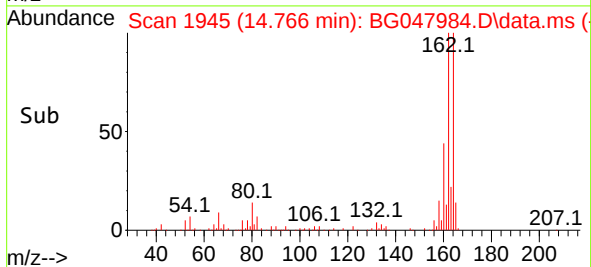
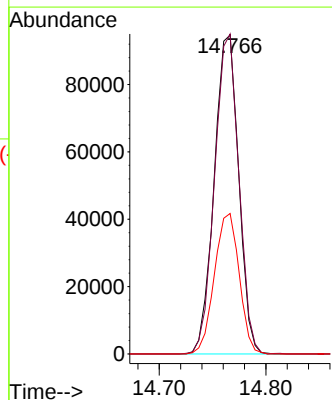
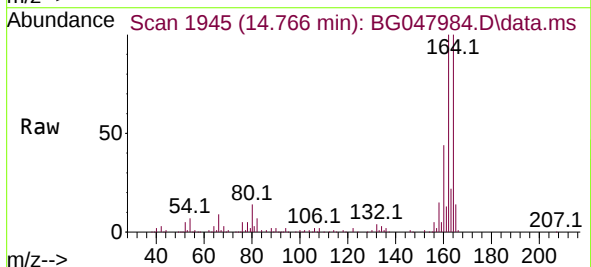
Instrument :
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ClientSampleId :
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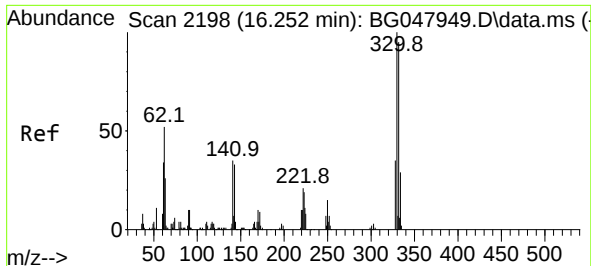
Tgt Ion: 82 Resp: 295975
Ion Ratio Lower Upper
82 100
128 36.7 37.0 55.6#
54 53.5 39.0 58.4



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.766 min Scan# 1945
Delta R.T. -0.005 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

Tgt Ion: 164 Resp: 150621
Ion Ratio Lower Upper
164 100
162 100.3 82.3 123.5
160 44.1 35.3 52.9

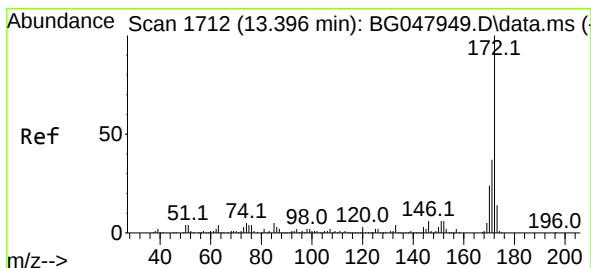
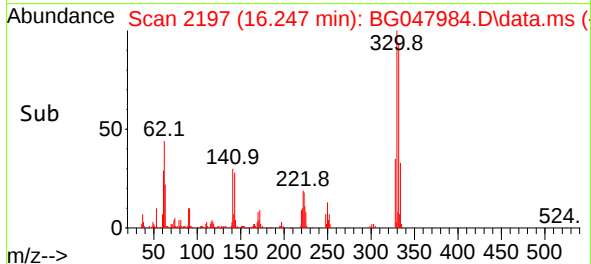
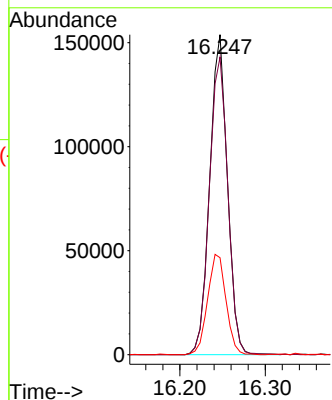
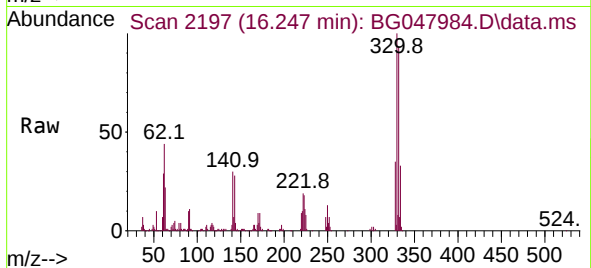




#42
2,4,6-Tribromophenol
Concen: 91.88 ng
RT: 16.247 min Scan# 2197
Delta R.T. -0.005 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

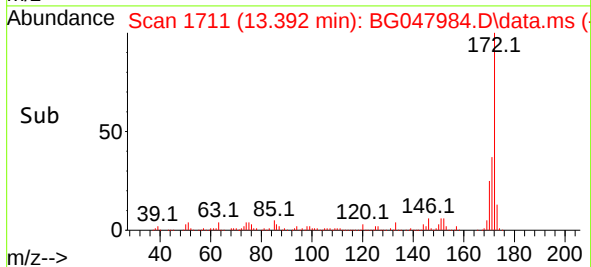
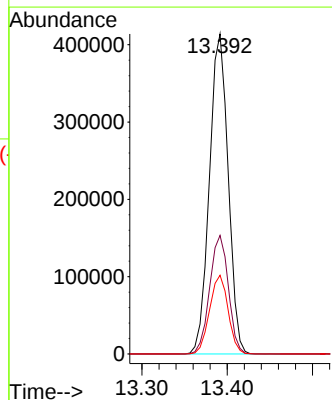
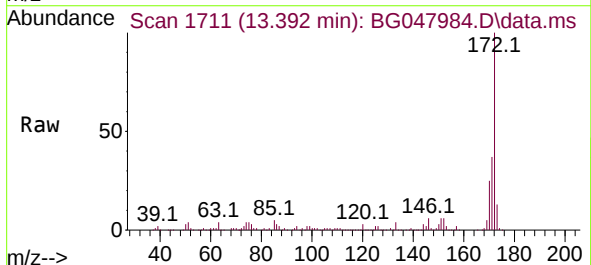
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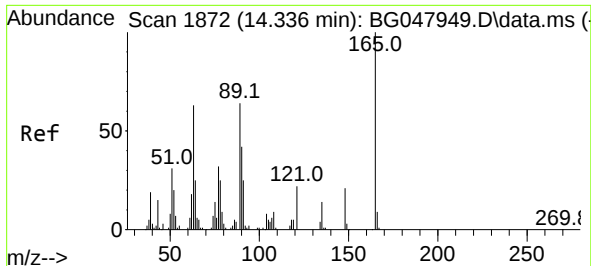
Tgt Ion:330 Resp: 221458
Ion Ratio Lower Upper
330 100
332 97.1 76.5 114.7
141 32.7 26.0 39.0



#45
2-Fluorobiphenyl
Concen: 56.02 ng
RT: 13.392 min Scan# 1711
Delta R.T. -0.005 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

Tgt Ion:172 Resp: 631767
Ion Ratio Lower Upper
172 100
171 37.1 31.3 46.9
170 24.6 20.8 31.2

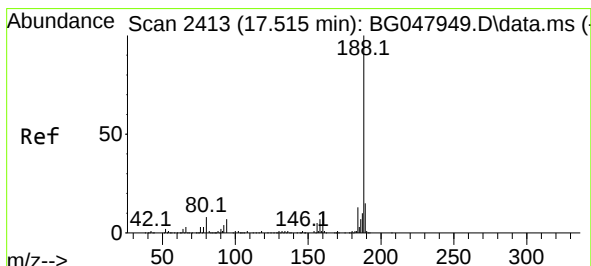
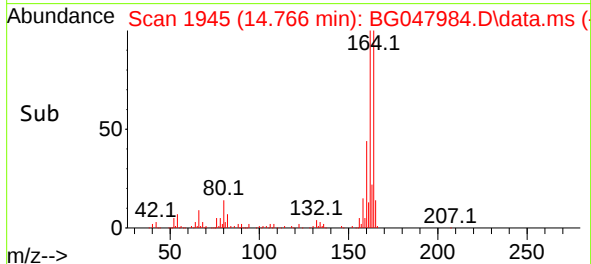
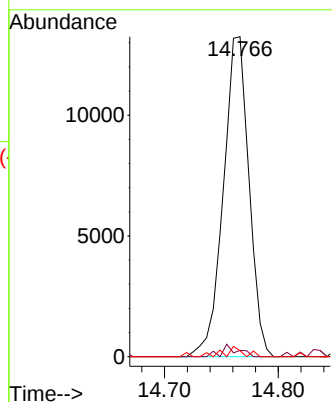
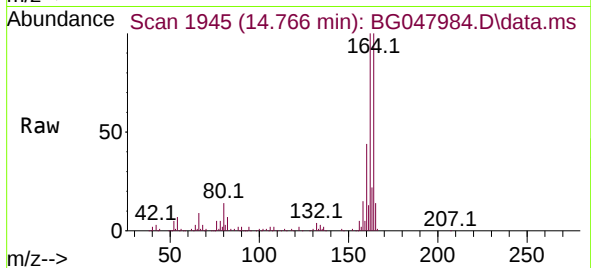




#51
2,6-Dinitrotoluene
Concen: 8.24 ng
RT: 14.766 min Scan# 1945
Delta R.T. 0.430 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

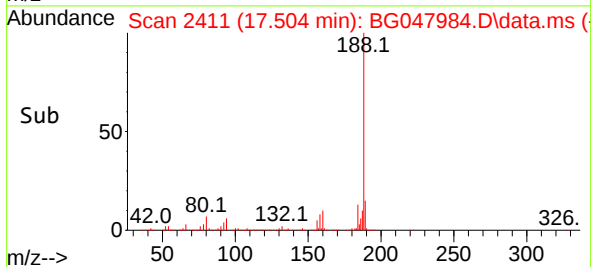
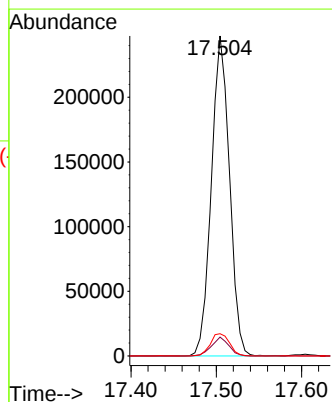
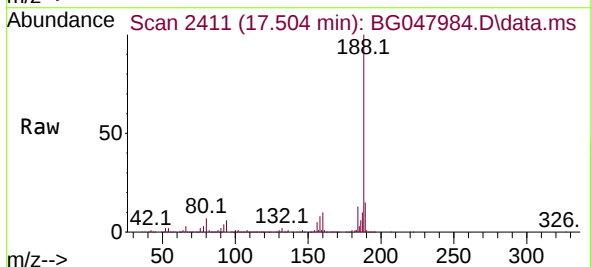
Instrument :
BNA_G
ClientSampleId :
PILE-1-(0.5-1.0)

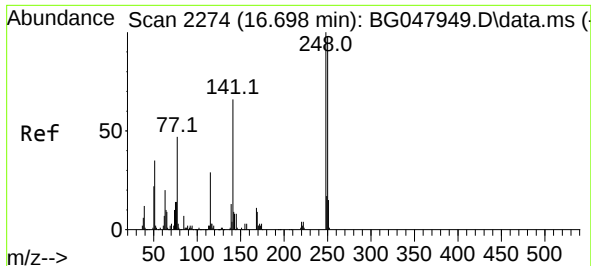
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Ion Ratio Lower Upper
165 100
63 2.0 33.7 50.5#
89 1.8 36.6 54.8#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.504 min Scan# 2411
Delta R.T. -0.011 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

Tgt Ion:188 Resp: 365617
Ion Ratio Lower Upper
188 100
94 5.9 6.3 9.5#
80 6.9 7.0 10.6#

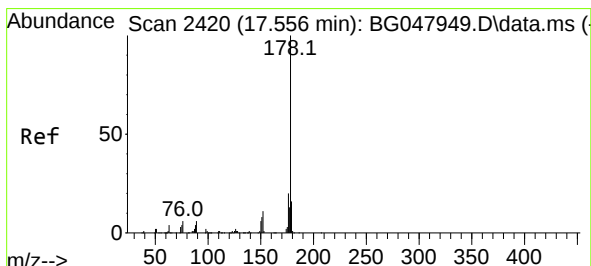
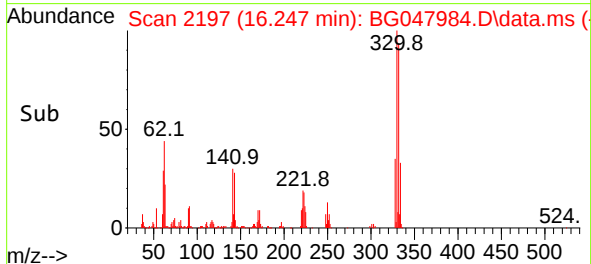
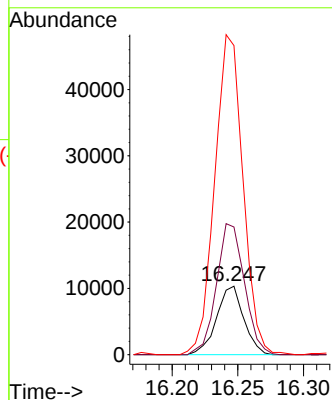
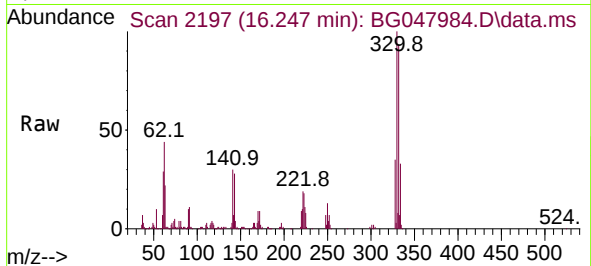




#67
4-Bromophenyl-phenylether
Concen: 3.07 ng
RT: 16.247 min Scan# 2197
Delta R.T. -0.451 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

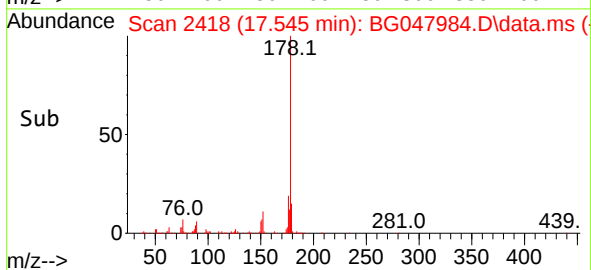
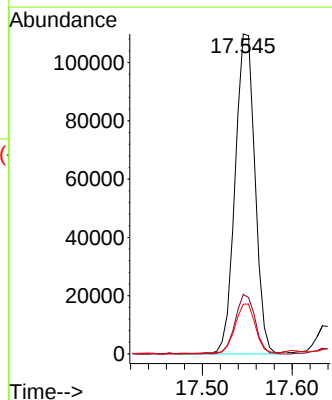
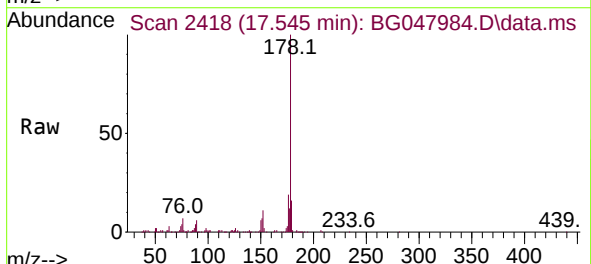
Instrument :
BNA_G
ClientSampleId :
PILE-1-(0.5-1.0)

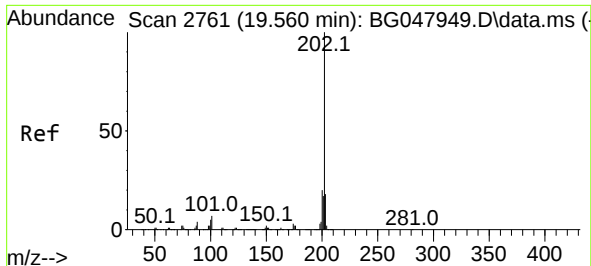
Tgt Ion:248 Resp: 14883
Ion Ratio Lower Upper
248 100
250 186.4 78.9 118.3#
141 451.6 46.2 69.4#



#71
Phenanthrene
Concen: 8.53 ng
RT: 17.545 min Scan# 2418
Delta R.T. -0.011 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

Tgt Ion:178 Resp: 168657
Ion Ratio Lower Upper
178 100
176 18.6 16.7 25.1
179 15.5 14.0 21.0

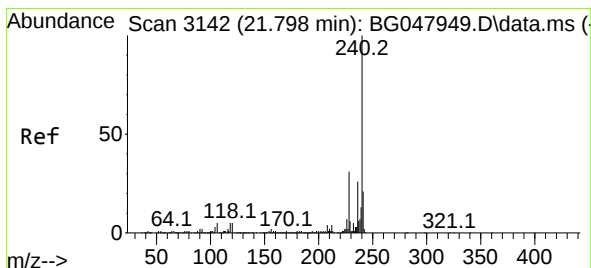
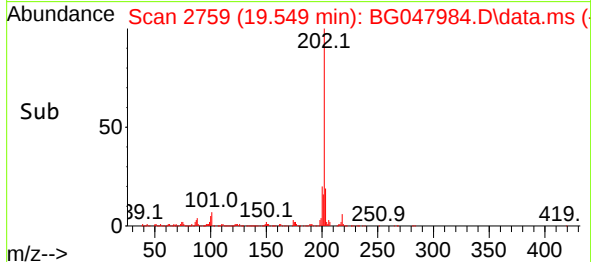
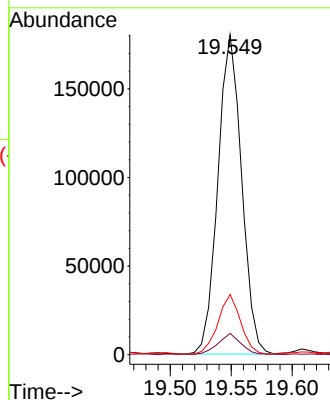
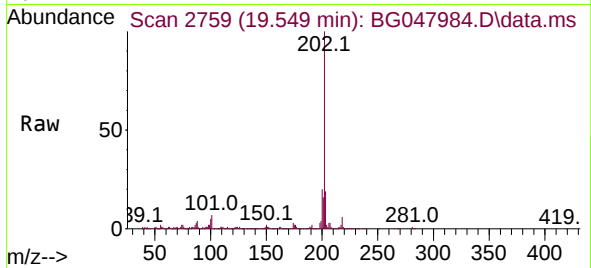




#75
Fluoranthene
Concen: 9.26 ng
RT: 19.549 min Scan# 2759
Delta R.T. -0.011 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

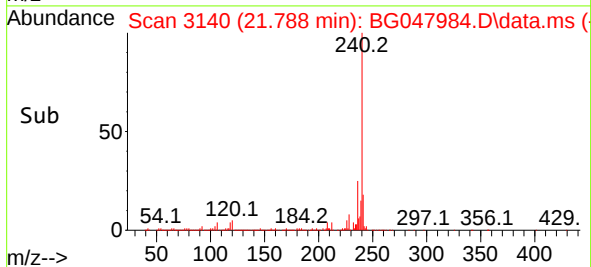
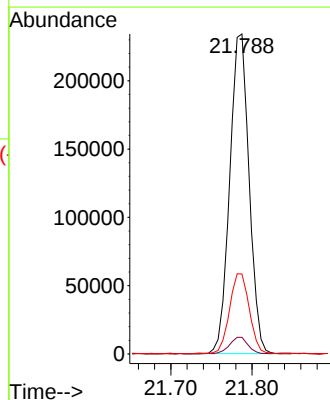
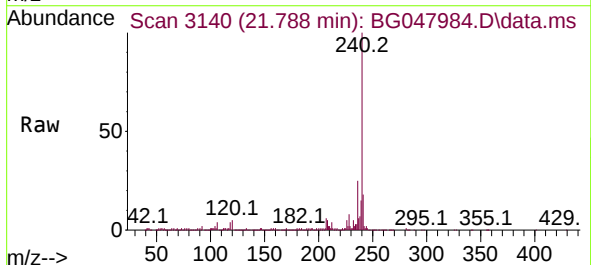
Instrument :
BNA_G
ClientSampleId :
PILE-1-(0.5-1.0)

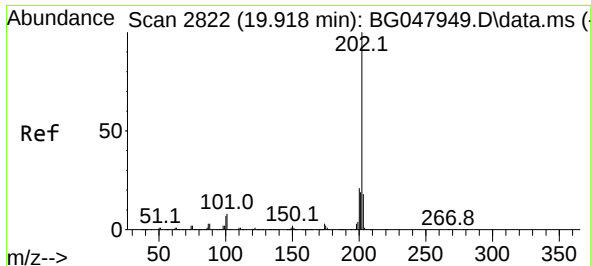
Tgt Ion:	202	Resp:	243683
Ion Ratio	Lower	Upper	
202	100		
101	6.6	0.0	29.7
203	18.8	0.0	39.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.788 min Scan# 3140
Delta R.T. -0.011 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

Tgt Ion:	240	Resp:	387195
Ion Ratio	Lower	Upper	
240	100		
120	5.2	6.2	9.4#
236	25.0	20.5	30.7

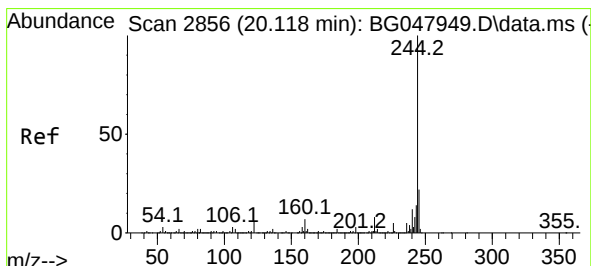
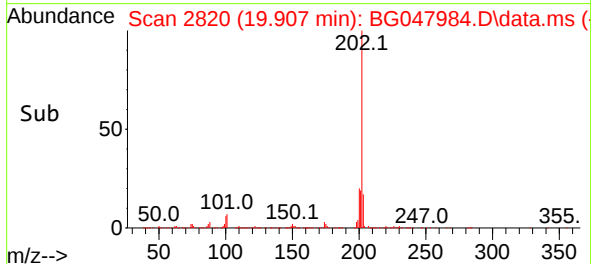
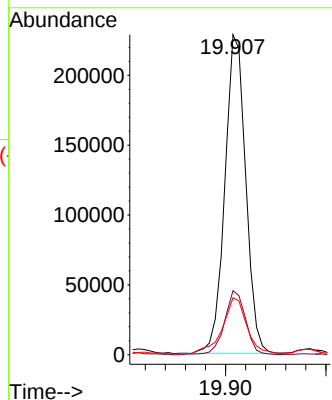
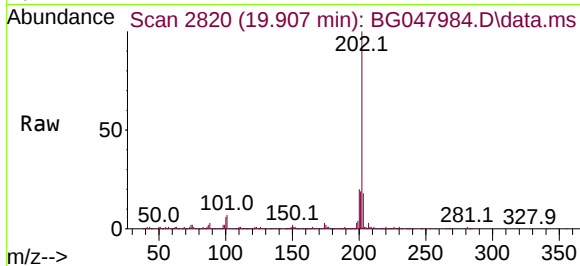




#78
 Pyrene
 Concen: 12.53 ng
 RT: 19.907 min Scan# 2820
 Delta R.T. -0.011 min
 Lab File: BG047984.D
 Acq: 22 Jan 2021 19:00

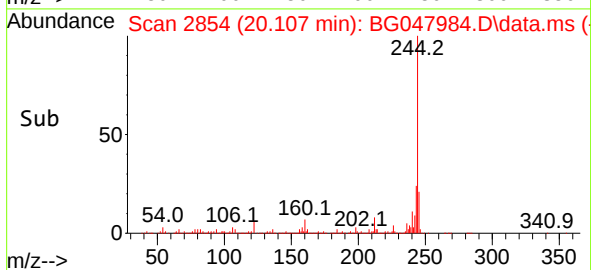
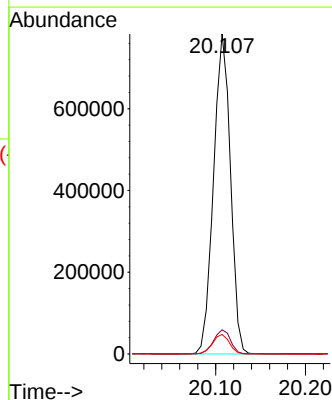
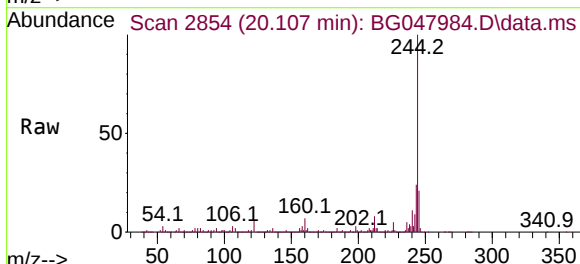
Instrument :
 BNA_G
 ClientSampleId :
 PILE-1-(0.5-1.0)

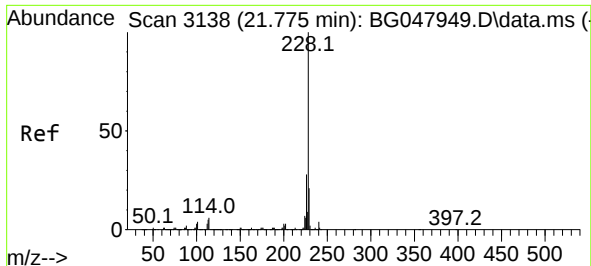
Tgt Ion:	202	Resp:	328236
Ion Ratio	Lower	Upper	
202	100		
200	20.0	18.6	27.8
203	17.8	15.3	22.9



#79
 Terphenyl-d14
 Concen: 48.83 ng
 RT: 20.107 min Scan# 2854
 Delta R.T. -0.011 min
 Lab File: BG047984.D
 Acq: 22 Jan 2021 19:00

Tgt Ion:	244	Resp:	1022650
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.7	10.1
122	6.1	7.8	11.6#

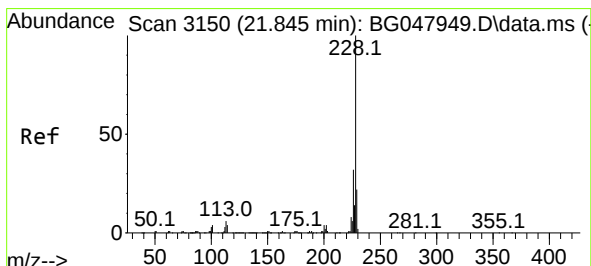
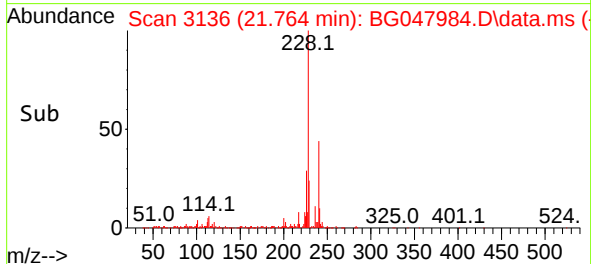
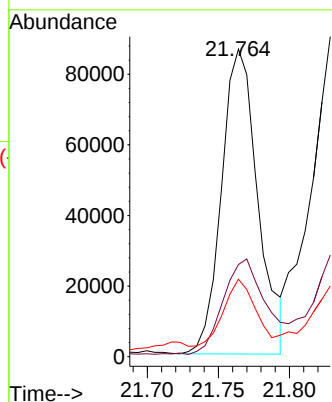
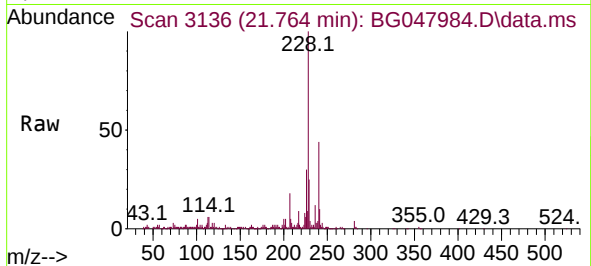




#81
Benzo(a)anthracene
Concen: 5.75 ng
RT: 21.764 min Scan# 3136
Delta R.T. -0.011 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

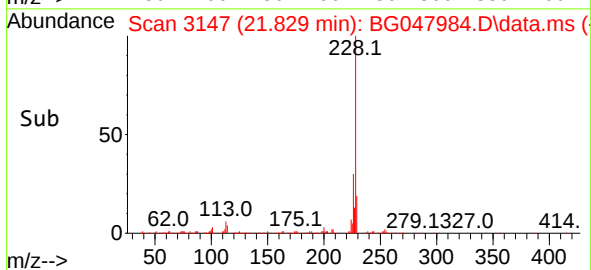
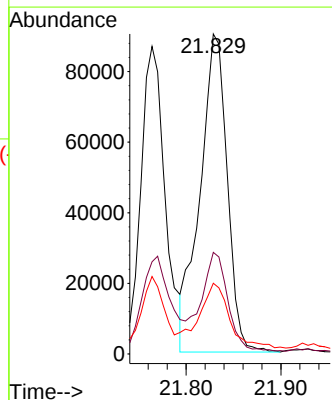
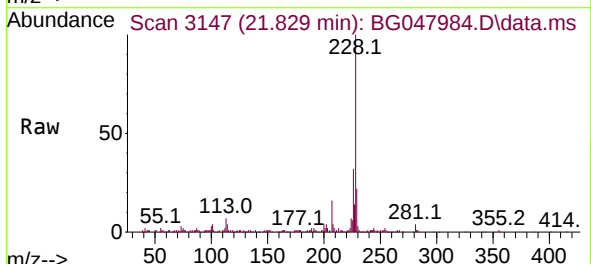
Instrument :
BNA_G
ClientSampleId :
PILE-1-(0.5-1.0)

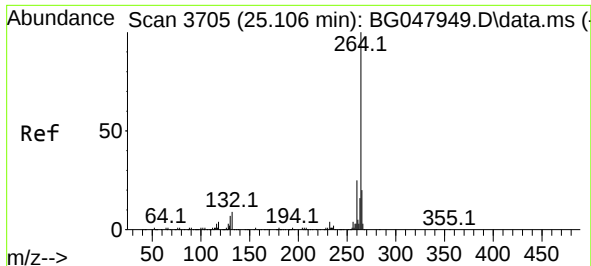
Tgt Ion:	228	Resp:	153655
Ion Ratio	Lower	Upper	
228	100		
226	30.0	23.3	34.9
229	25.2	17.4	26.0



#83
Chrysene
Concen: 7.03 ng
RT: 21.829 min Scan# 3147
Delta R.T. -0.017 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

Tgt Ion:	228	Resp:	180088
Ion Ratio	Lower	Upper	
228	100		
226	31.8	25.0	37.4
229	22.1	17.3	25.9

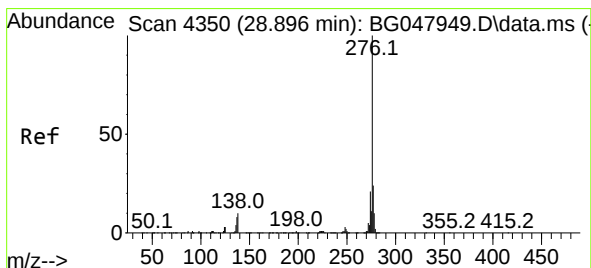
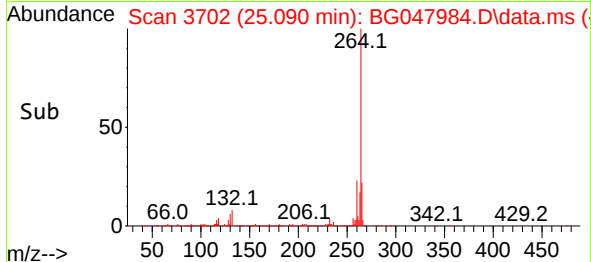
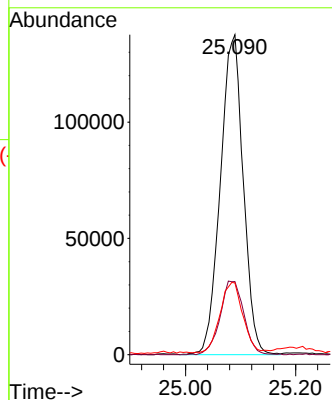
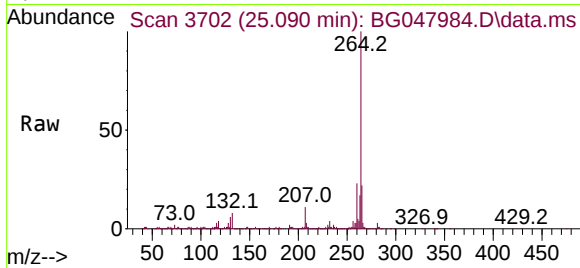




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.090 min Scan# 3702
 Delta R.T. -0.017 min
 Lab File: BG047984.D
 Acq: 22 Jan 2021 19:00

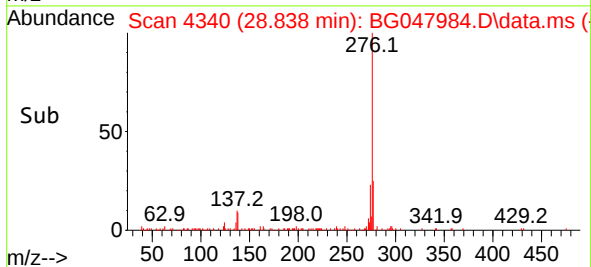
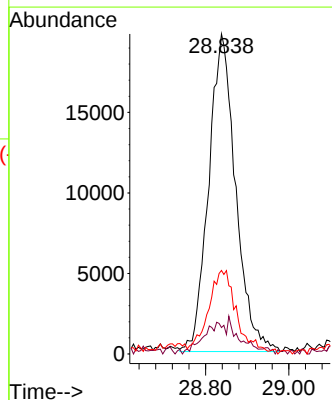
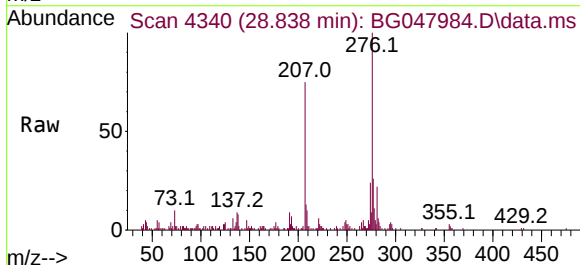
Instrument :
 BNA_G
 ClientSampleId :
 PILE-1-(0.5-1.0)

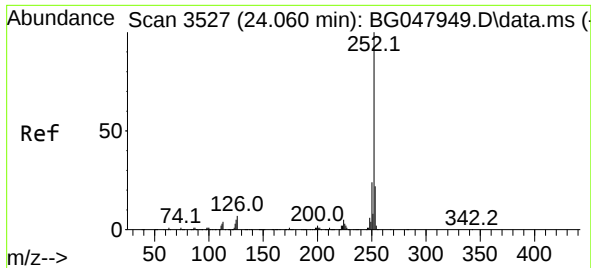
Tgt Ion:264 Resp: 397132
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.8 28.2
 265 22.5 17.8 26.8



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.93 ng
 RT: 28.838 min Scan# 4340
 Delta R.T. -0.058 min
 Lab File: BG047984.D
 Acq: 22 Jan 2021 19:00

Tgt Ion:276 Resp: 88965
 Ion Ratio Lower Upper
 276 100
 138 7.9 16.2 24.2#
 277 25.6 20.3 30.5

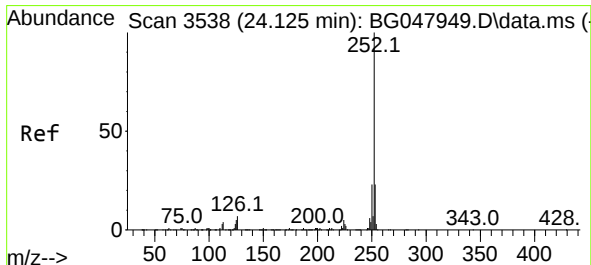
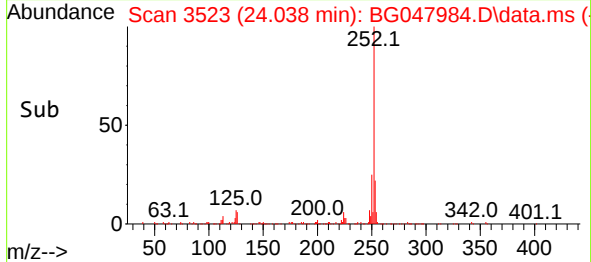
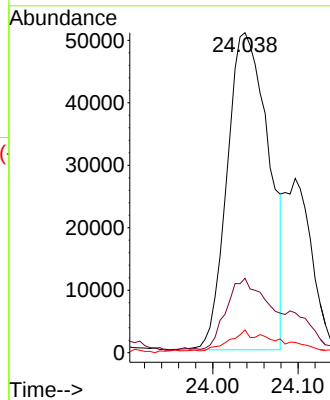
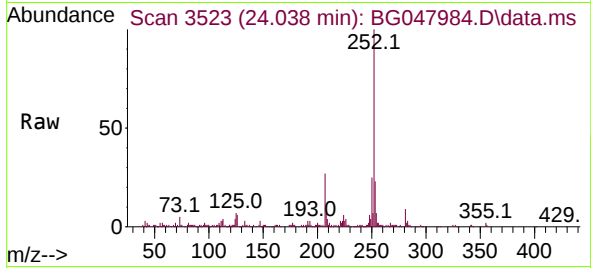




#88
Benzo(b)fluoranthene
Concen: 6.51 ng
RT: 24.038 min Scan# 3523
Delta R.T. -0.022 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

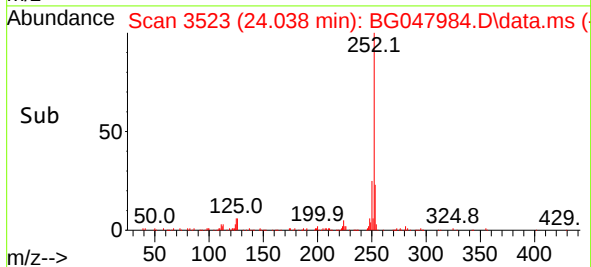
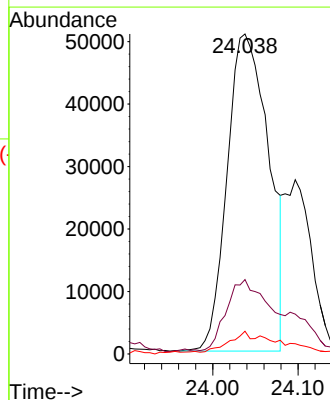
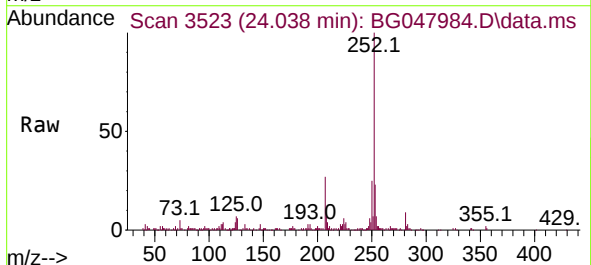
Instrument :
BNA_G
ClientSampleId :
PILE-1-(0.5-1.0)

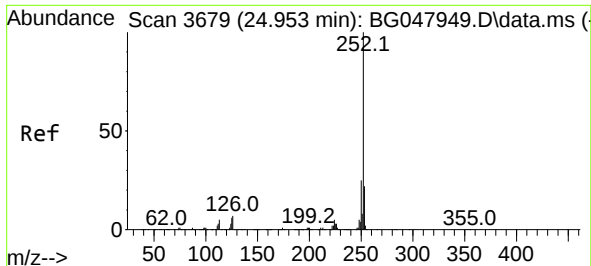
Tgt Ion:252 Resp: 172047
Ion Ratio Lower Upper
252 100
253 23.2 18.7 28.1
125 7.1 6.5 9.7



#89
Benzo(k)fluoranthene
Concen: 6.70 ng
RT: 24.038 min Scan# 3523
Delta R.T. -0.087 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

Tgt Ion:252 Resp: 172047
Ion Ratio Lower Upper
252 100
253 23.2 18.6 27.8
125 7.1 6.8 10.2

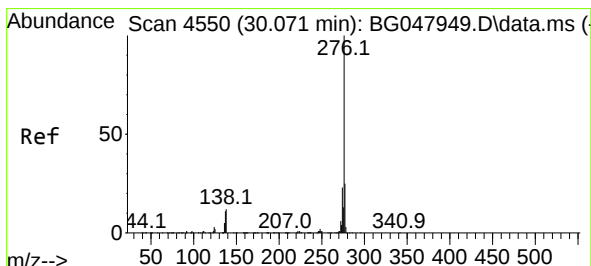
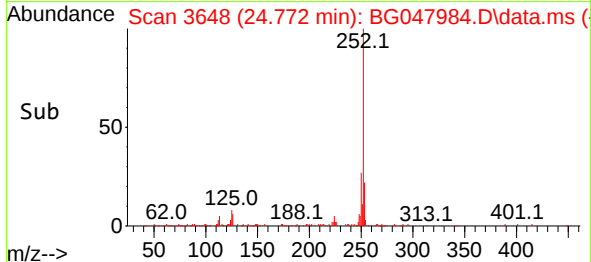
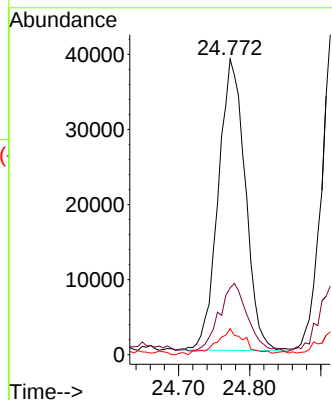
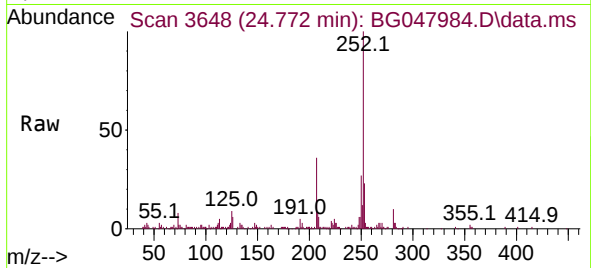




#90
Benzo(a)pyrene
Concen: 4.10 ng
RT: 24.772 min Scan# 3648
Delta R.T. -0.181 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

Instrument :
BNA_G
ClientSampleId :
PILE-1-(0.5-1.0)

Tgt Ion:252 Resp: 101934
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 8.8 7.0 10.4



#92
Benzo(g,h,i)perylene
Concen: 3.99 ng
RT: 30.001 min Scan# 4538
Delta R.T. -0.069 min
Lab File: BG047984.D
Acq: 22 Jan 2021 19:00

Tgt Ion:276 Resp: 96683
Ion Ratio Lower Upper
276 100
277 21.8 19.6 29.4
138 12.9 13.4 20.2#

