

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062521\
 Data File : BG049097.D
 Acq On : 25 Jun 2021 19:22
 Operator : CG/JU
 Sample : M2829-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 15B-STOCKPILE-1

Quant Time: Jun 26 01:33:03 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 24 11:02:36 2021
 Response via : Initial Calibration

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

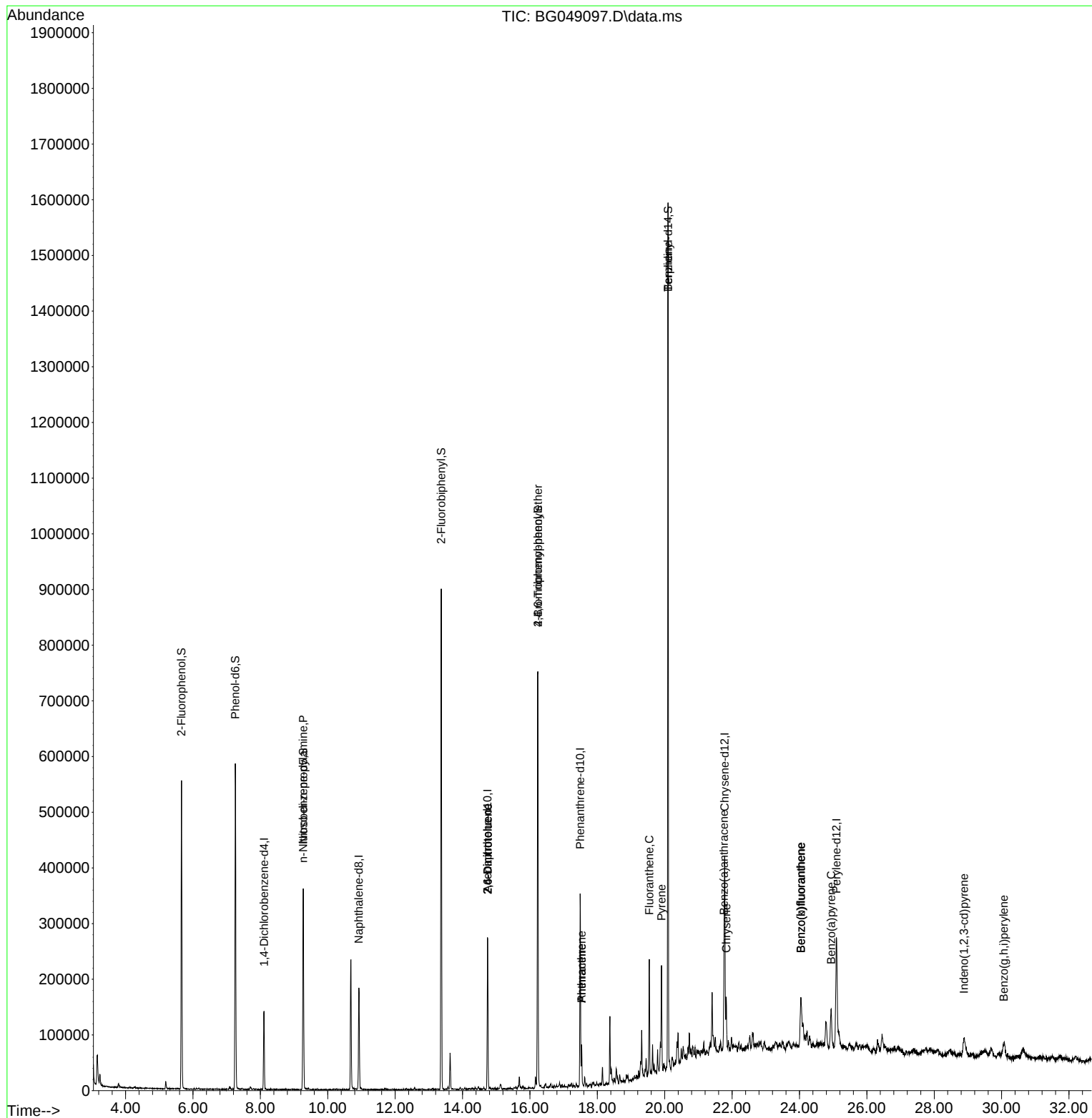
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.108	152	36435	20.000	ng	0.00
21) Naphthalene-d8	10.923	136	146758	20.000	ng	# 0.00
39) Acenaphthene-d10	14.742	164	103474	20.000	ng	0.00
64) Phenanthrene-d10	17.491	188	217140	20.000	ng	# 0.00
76) Chrysene-d12	21.780	240	213410	20.000	ng	# 0.00
86) Perylene-d12	25.100	264	226136	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.658	112	217476	92.916	ng	0.00
7) Phenol-d6	7.256	99	292283	83.318	ng	0.00
23) Nitrobenzene-d5	9.272	82	211697	62.200	ng	0.00
42) 2,4,6-Tribromophenol	16.234	330	148427	96.819	ng	0.00
45) 2-Fluorobiphenyl	13.367	172	460188	62.826	ng	0.00
79) Terphenyl-d14	20.100	244	728805	62.544	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.266	70	32209	11.746	ng	# 73
51) 2,6-Dinitrotoluene	14.748	165	13529	8.242	ng	# 11
57) 2,4-Dinitrotoluene	14.748	165	13529	6.710	ng	# 16
67) 4-Bromophenyl-phenylether	16.234	248	9473	3.494	ng	# 1
71) Phenanthrene	17.538	178	44976	3.681	ng	96
72) Anthracene	17.538	178	44976	3.663	ng	99
75) Fluoranthene	19.542	202	124546	8.453	ng	99
77) Benzidine	20.100	184	13832	3.217	ng	# 94
78) Pyrene	19.906	202	119922	7.742	ng	99
81) Benzo(a)anthracene	21.757	228	79060	5.160	ng	96
83) Chrysene	21.827	228	73745	5.020	ng	97
87) Indeno(1,2,3-cd)pyrene	28.884	276	60861	3.576	ng	# 81
88) Benzo(b)fluoranthene	24.043	252	107607	6.675	ng	# 96
89) Benzo(k)fluoranthene	24.043	252	107607	7.035	ng	# 99
90) Benzo(a)pyrene	24.941	252	80986	5.504	ng	# 96
92) Benzo(g,h,i)perylene	30.065	276	63527	4.429	ng	95

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

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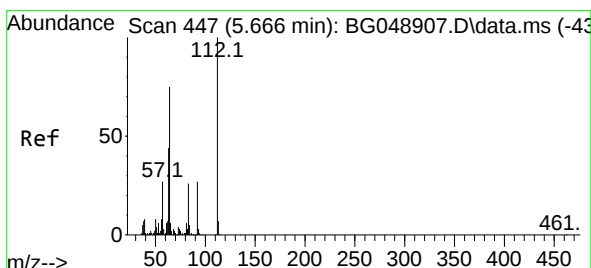
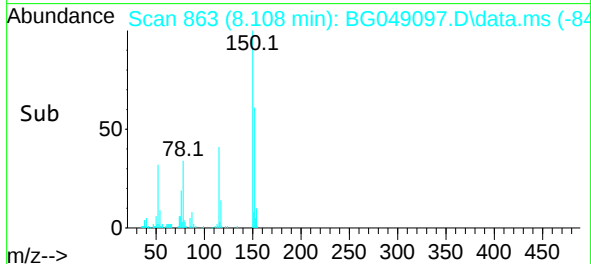
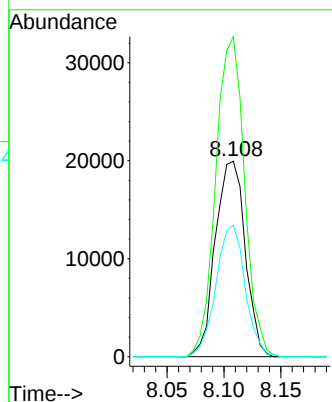
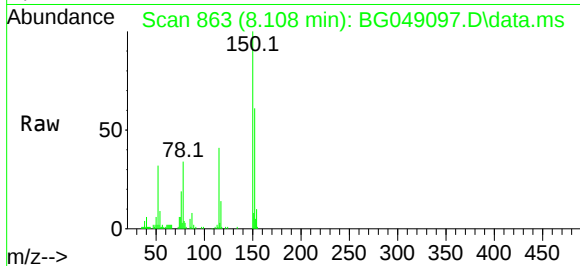




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.108 min Scan# 863
Delta R.T. 0.003 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

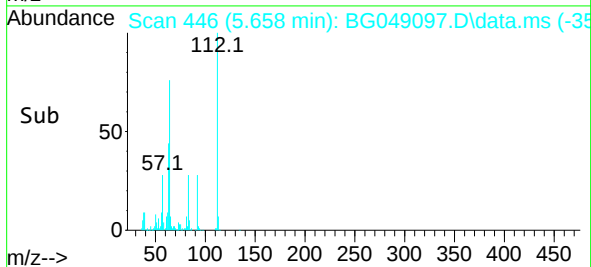
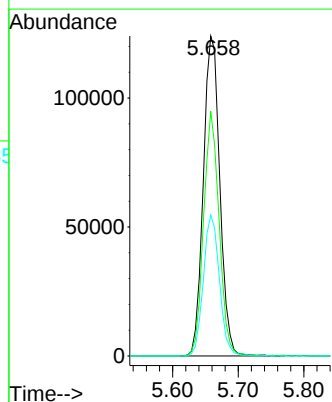
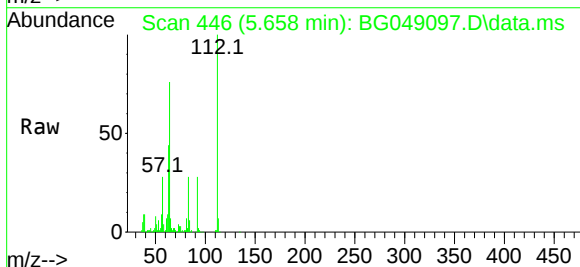
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-1

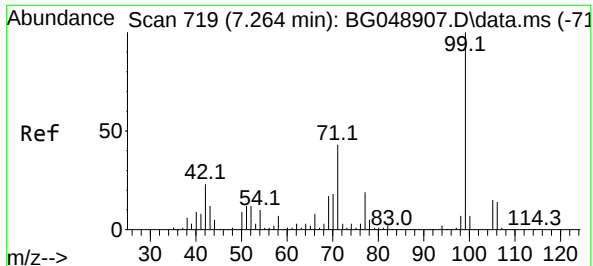
Tgt Ion:152 Resp: 36435
Ion Ratio Lower Upper
152 100
150 163.7 119.4 179.0
115 67.2 60.2 90.4



#5
2-Fluorophenol
Concen: 92.916 ng
RT: 5.658 min Scan# 446
Delta R.T. 0.003 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

Tgt Ion:112 Resp: 217476
Ion Ratio Lower Upper
112 100
64 76.4 46.7 70.1#
63 44.1 35.3 52.9

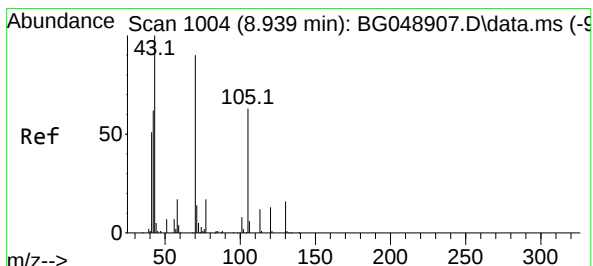
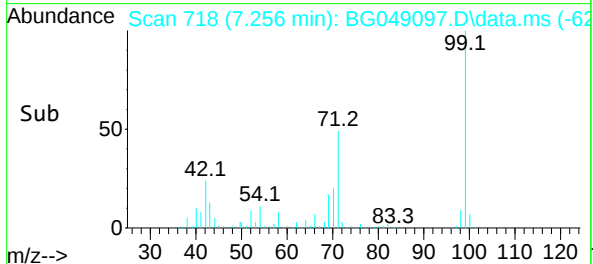
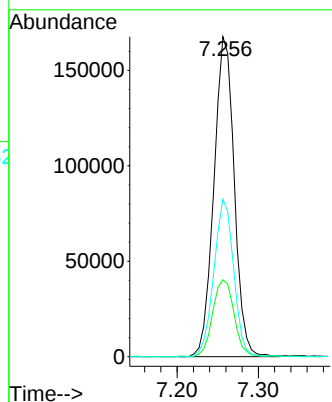
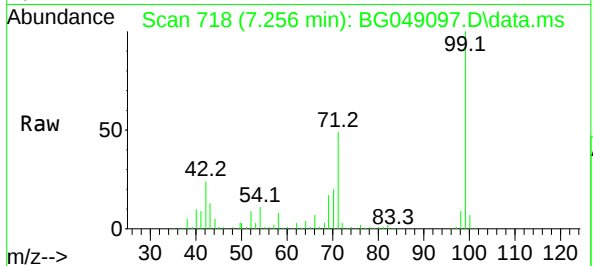




#7
Phenol-d6
Concen: 83.318 ng
RT: 7.256 min Scan# 718
Delta R.T. -0.003 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

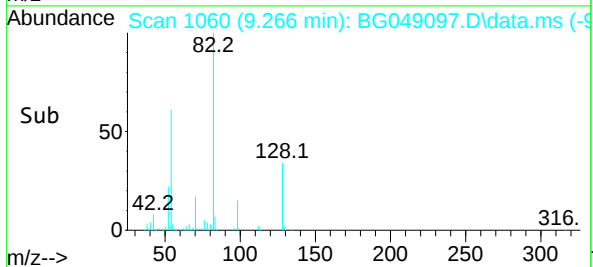
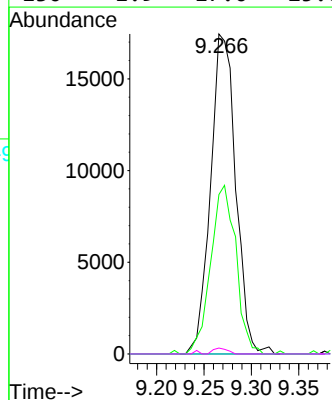
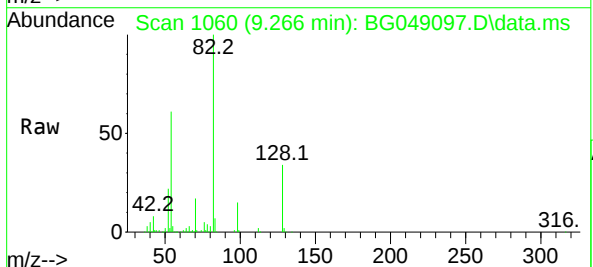
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-1

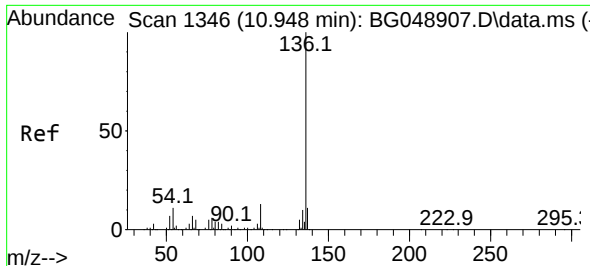
Tgt Ion: 99 Resp: 292283
Ion Ratio Lower Upper
99 100
42 24.1 20.5 30.7
71 49.2 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 11.746 ng
RT: 9.266 min Scan# 1060
Delta R.T. 0.355 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

Tgt Ion: 70 Resp: 32209
Ion Ratio Lower Upper
70 100
42 49.8 54.5 81.7#
101 0.0 9.0 13.6#
130 1.9 17.0 25.6#

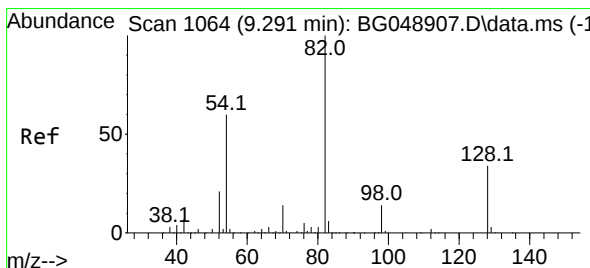
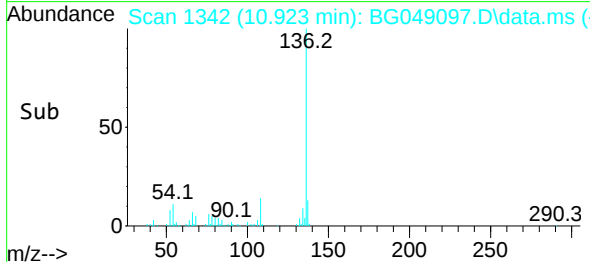
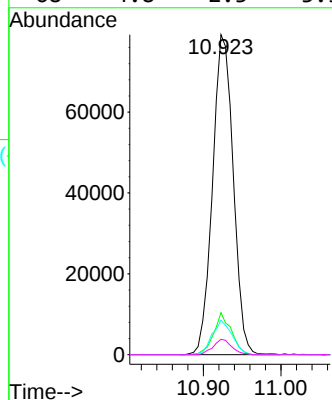
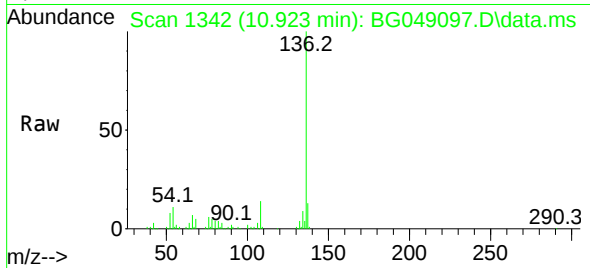




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.923 min Scan# 1342
Delta R.T. -0.003 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

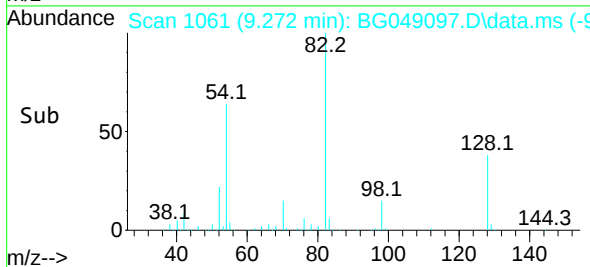
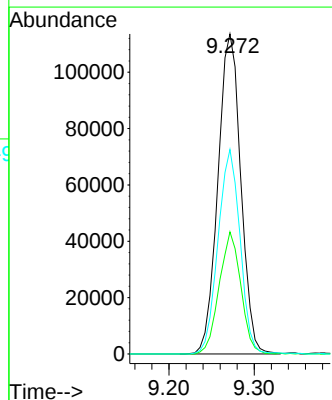
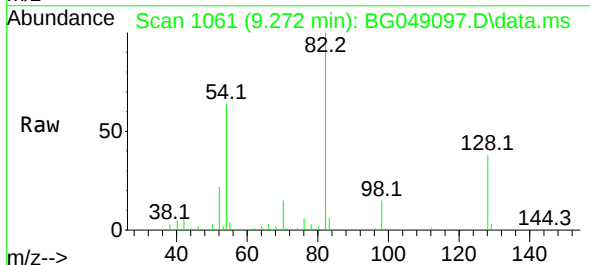
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-1

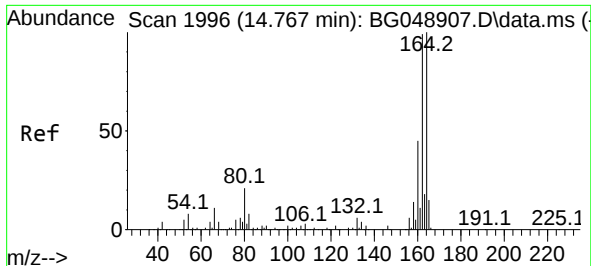
Tgt Ion:136 Resp: 146758
Ion Ratio Lower Upper
136 100
137 13.2 8.2 12.2#
54 10.8 5.5 8.3#
68 4.8 2.3 3.5#



#23
Nitrobenzene-d5
Concen: 62.200 ng
RT: 9.272 min Scan# 1061
Delta R.T. -0.003 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

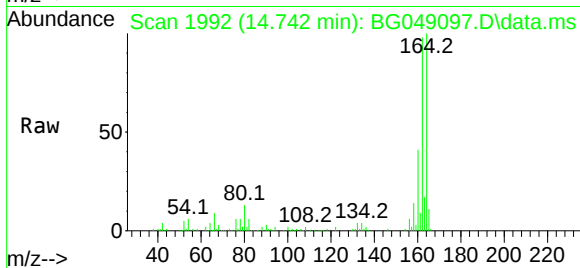
Tgt Ion: 82 Resp: 211697
Ion Ratio Lower Upper
82 100
128 38.1 29.8 44.6
54 63.9 45.8 68.8



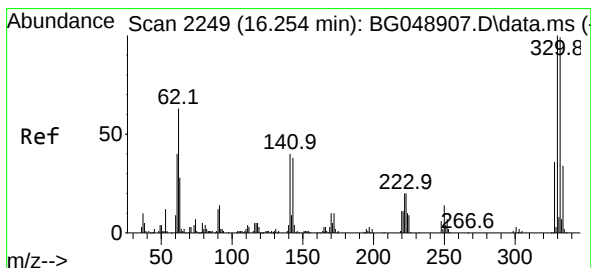
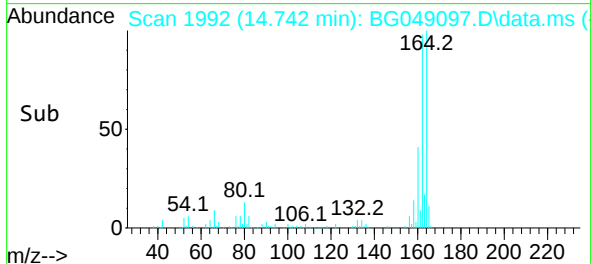
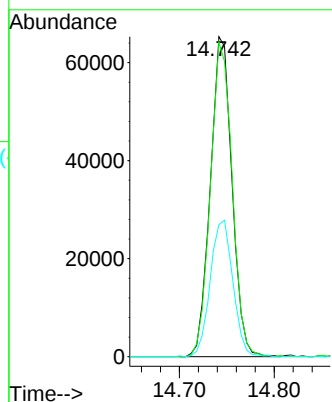


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.742 min Scan# 1992
Delta R.T. -0.009 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-1

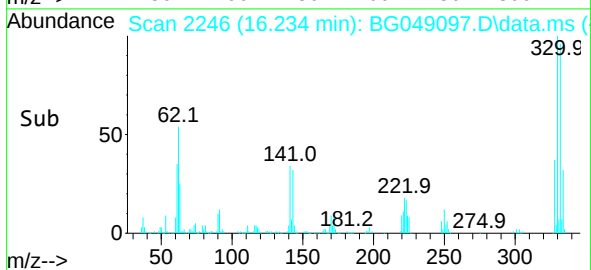
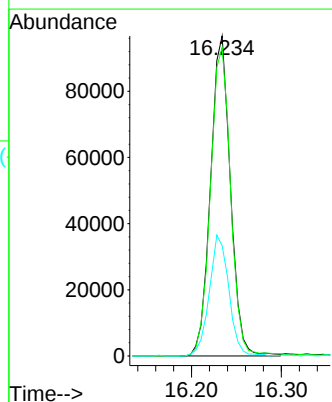
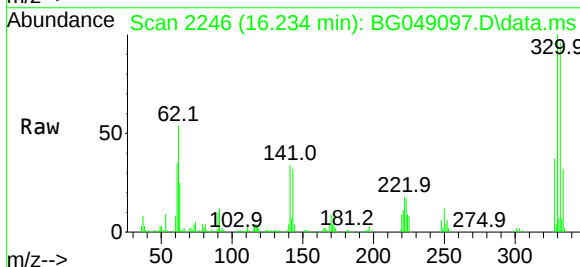


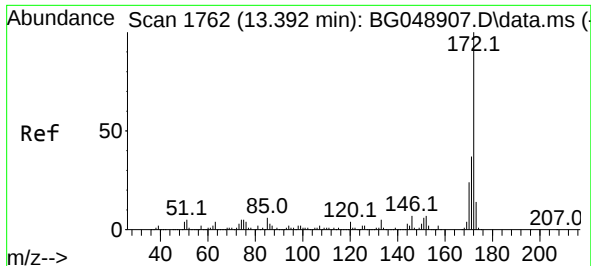
Tgt Ion:164 Resp: 103474
Ion Ratio Lower Upper
164 100
162 98.2 81.4 122.0
160 41.3 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 96.819 ng
RT: 16.234 min Scan# 2246
Delta R.T. -0.003 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

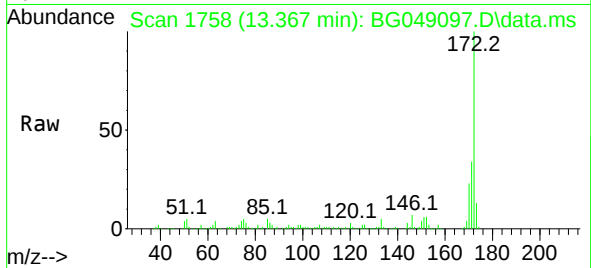
Tgt Ion:330 Resp: 148427
Ion Ratio Lower Upper
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332 97.9 77.3 115.9
141 37.2 35.6 53.4



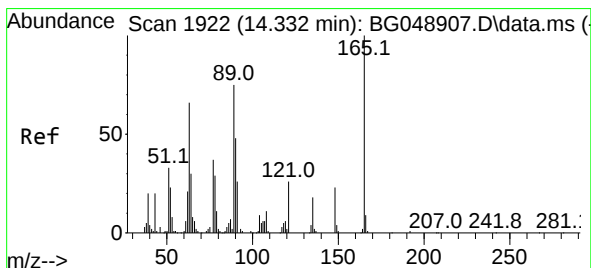
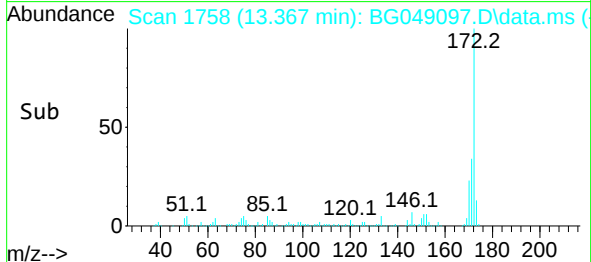
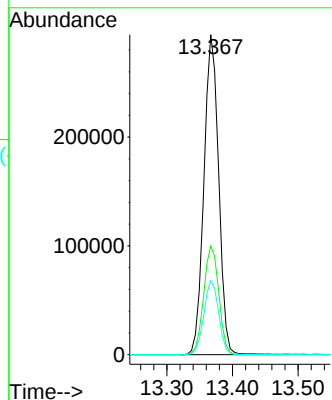


#45
2-Fluorobiphenyl
Concen: 62.826 ng
RT: 13.367 min Scan# 1758
Delta R.T. -0.003 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-1

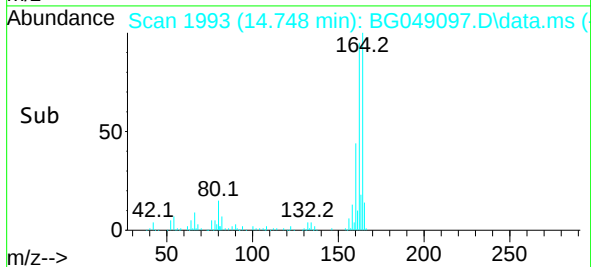
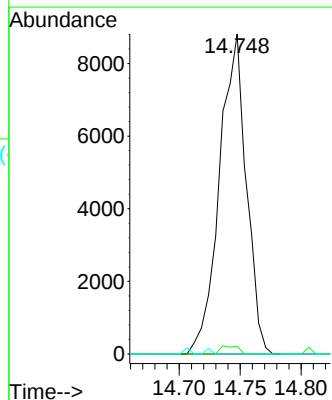
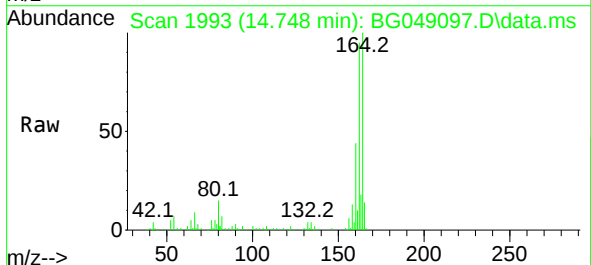


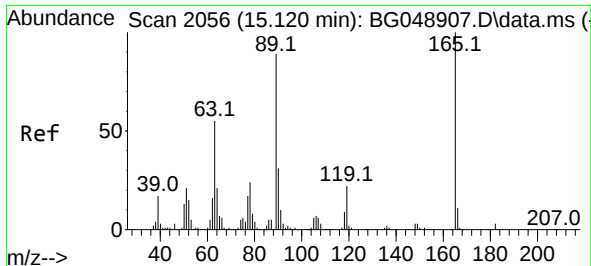
Tgt Ion:172 Resp: 460188
Ion Ratio Lower Upper
172 100
171 34.0 28.6 43.0
170 23.2 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.242 ng
RT: 14.748 min Scan# 1993
Delta R.T. 0.432 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

Tgt Ion:165 Resp: 13529
Ion Ratio Lower Upper
165 100
63 2.4 63.3 94.9#
89 0.0 63.4 95.0#

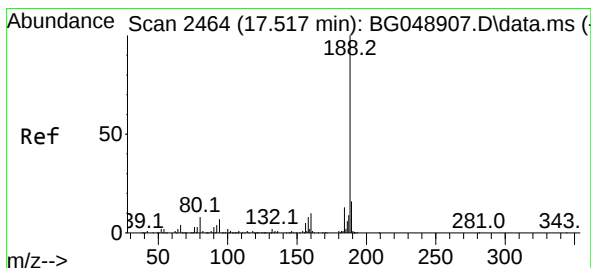
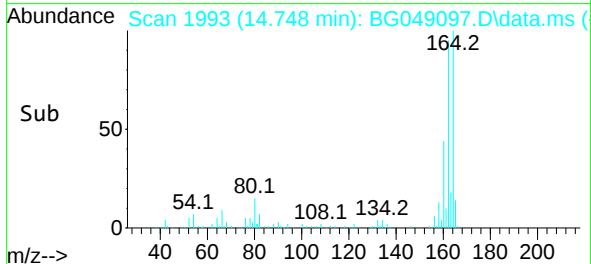
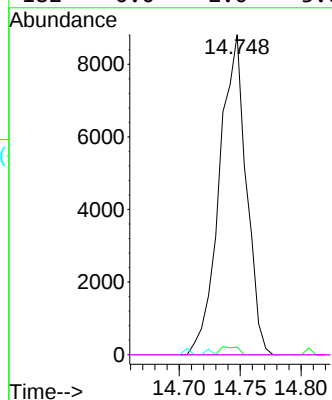
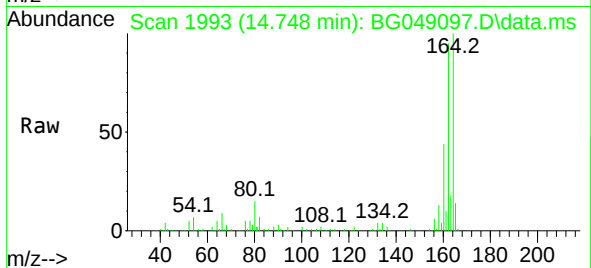




#57
2,4-Dinitrotoluene
Concen: 6.710 ng
RT: 14.748 min Scan# 1993
Delta R.T. -0.356 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

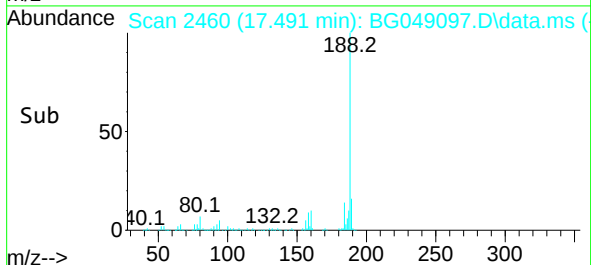
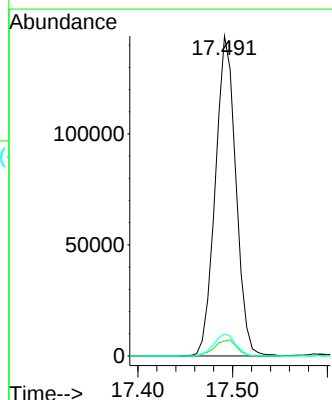
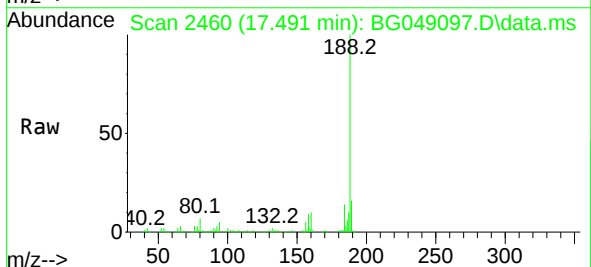
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15B-STOCKPILE-1

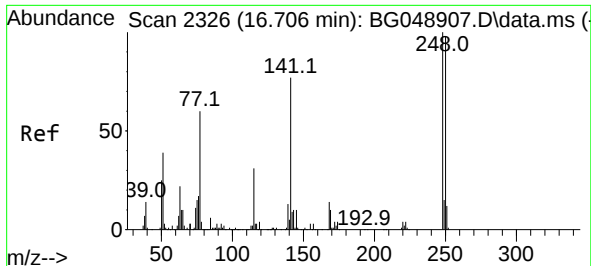
Tgt Ion:165 Resp: 13529
Ion Ratio Lower Upper
165 100
63 2.4 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.491 min Scan# 2460
Delta R.T. -0.009 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

Tgt Ion:188 Resp: 217140
Ion Ratio Lower Upper
188 100
94 4.6 5.4 8.0#
80 6.9 3.7 5.5#

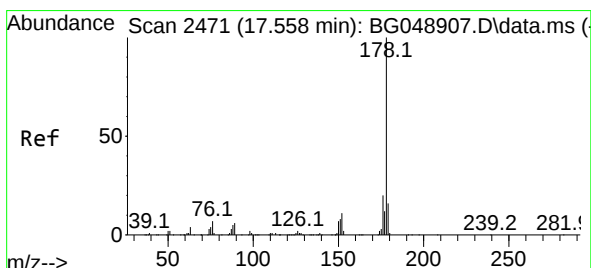
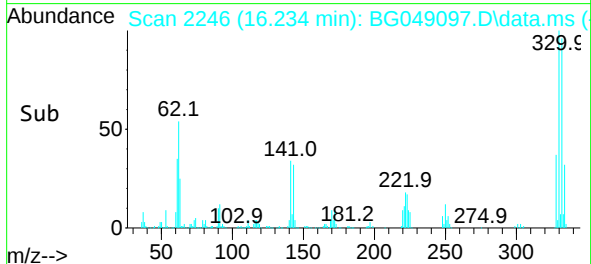
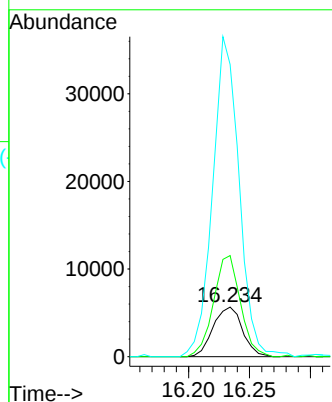
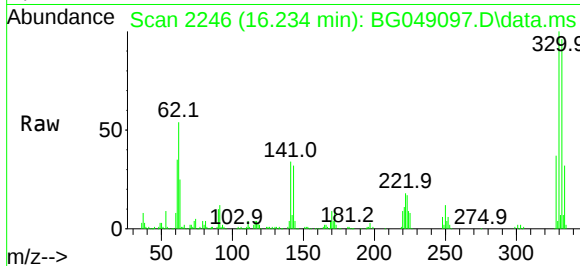




#67
4-Bromophenyl-phenylether
Concen: 3.494 ng
RT: 16.234 min Scan# 2246
Delta R.T. -0.450 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

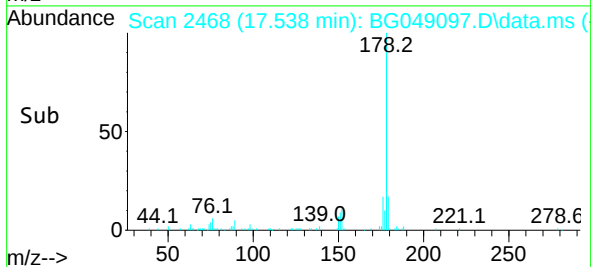
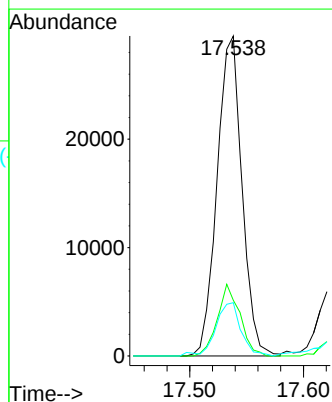
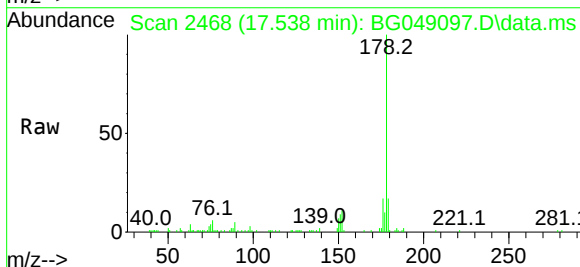
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-1

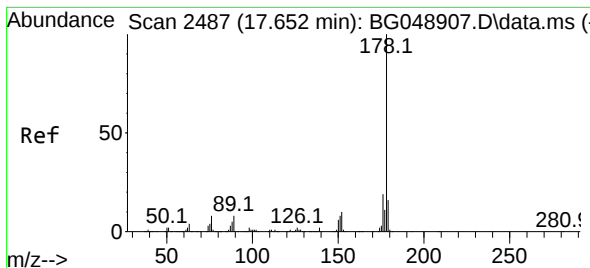
Tgt Ion:248 Resp: 9473
Ion Ratio Lower Upper
248 100
250 203.6 76.1 114.1#
141 588.6 65.4 98.2#



#71
Phenanthrene
Concen: 3.681 ng
RT: 17.538 min Scan# 2468
Delta R.T. -0.003 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

Tgt Ion:178 Resp: 44976
Ion Ratio Lower Upper
178 100
176 17.4 16.0 24.0
179 16.6 14.2 21.4





#72

Anthracene

Concen: 3.663 ng

RT: 17.538 min Scan# 2468

Delta R.T. -0.091 min

Lab File: BG049097.D

Acq: 25 Jun 2021 19:22

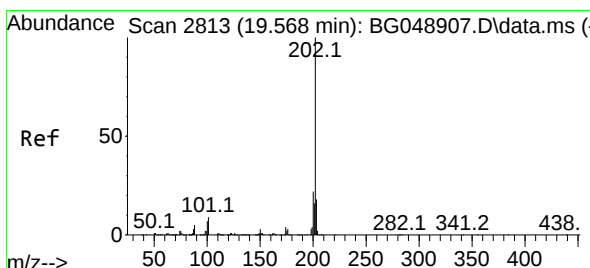
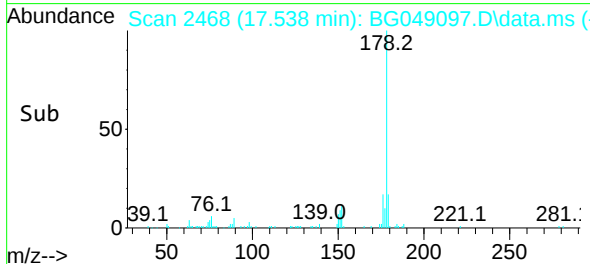
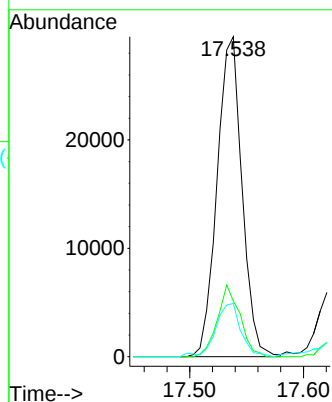
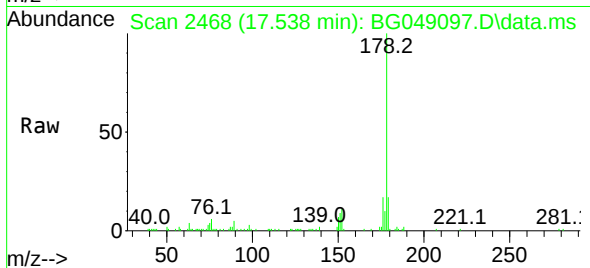
Tgt Ion:178 Resp: 44976

Ion Ratio Lower Upper

178 100

176 17.4 14.6 21.8

179 16.6 13.4 20.0



#75

Fluoranthene

Concen: 8.453 ng

RT: 19.542 min Scan# 2809

Delta R.T. -0.003 min

Lab File: BG049097.D

Acq: 25 Jun 2021 19:22

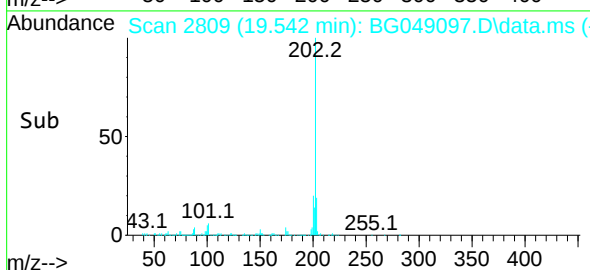
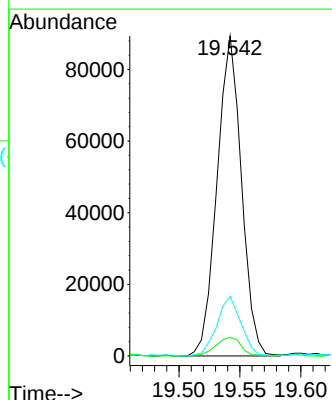
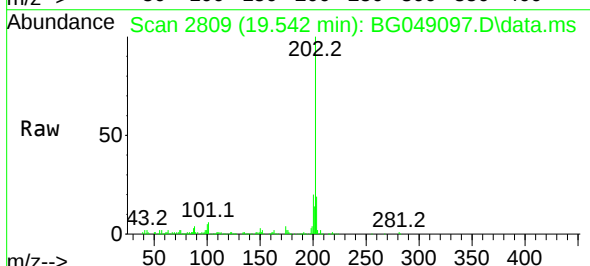
Tgt Ion:202 Resp: 124546

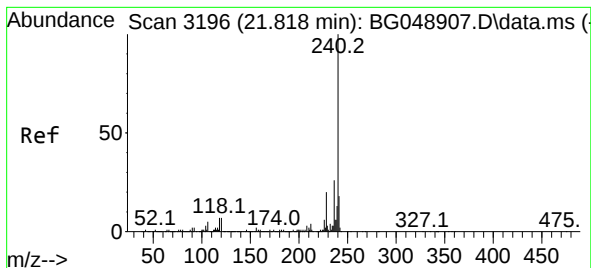
Ion Ratio Lower Upper

202 100

101 5.9 0.0 24.7

203 18.7 0.0 38.5

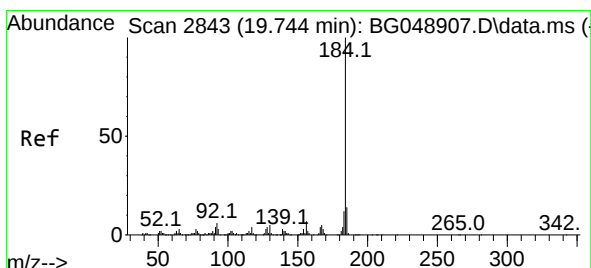
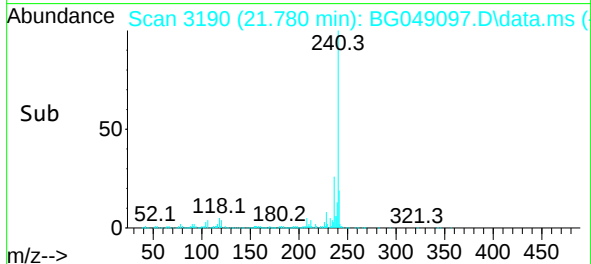
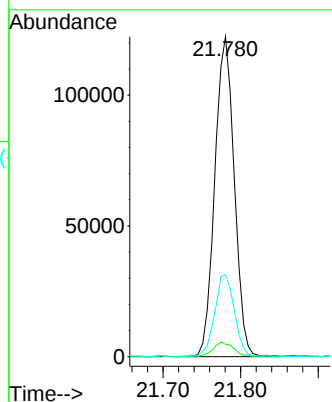
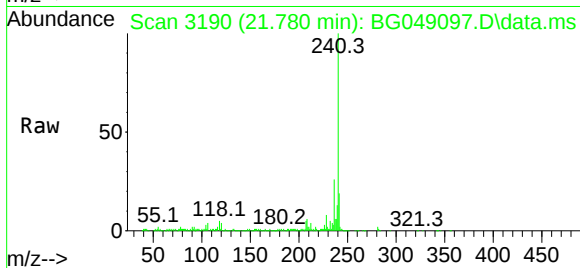




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.780 min Scan# 3190
Delta R.T. -0.009 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

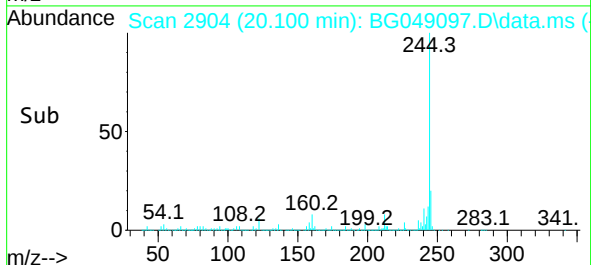
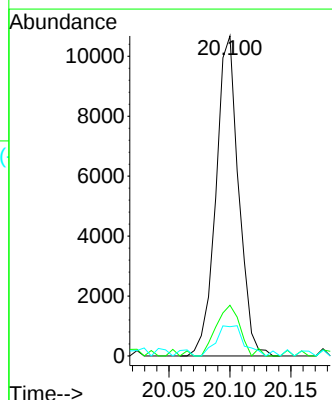
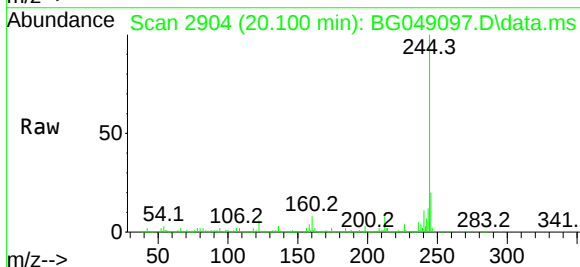
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-1

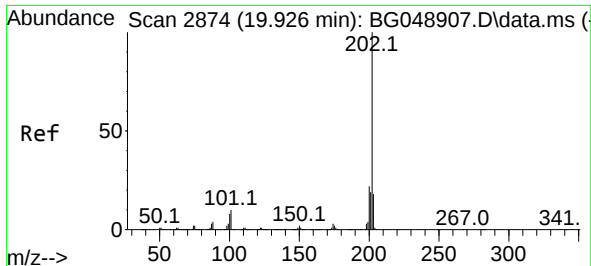
Tgt Ion:240 Resp: 213410
Ion Ratio Lower Upper
240 100
120 3.9 4.2 6.2#
236 25.6 21.8 32.6



#77
Benzidine
Concen: 3.217 ng
RT: 20.100 min Scan# 2904
Delta R.T. 0.379 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

Tgt Ion:184 Resp: 13832
Ion Ratio Lower Upper
184 100
185 15.8 10.7 16.1
183 9.2 9.4 14.0#

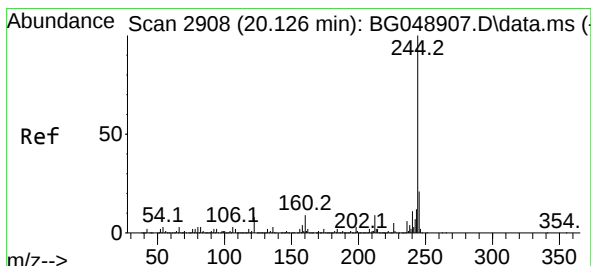
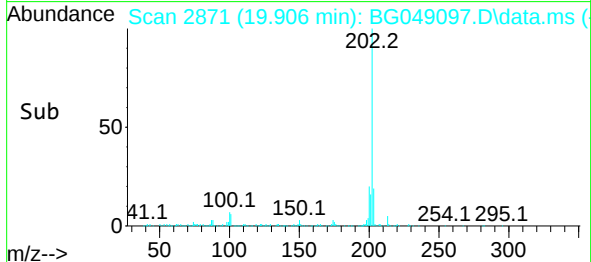
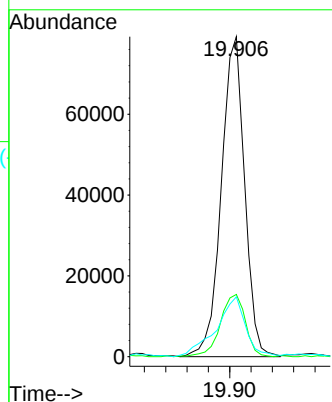
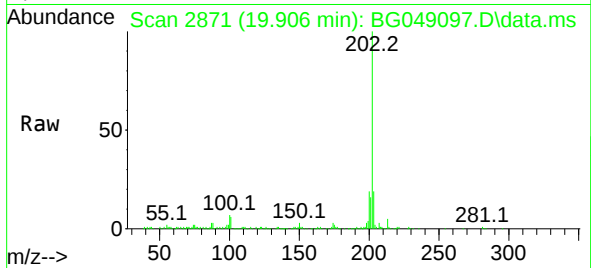




#78
Pyrene
Concen: 7.742 ng
RT: 19.906 min Scan# 2871
Delta R.T. -0.003 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

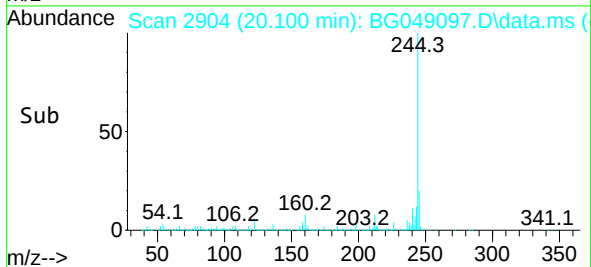
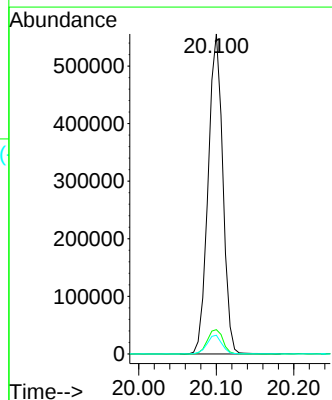
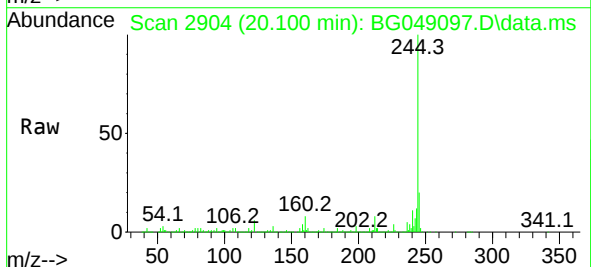
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-1

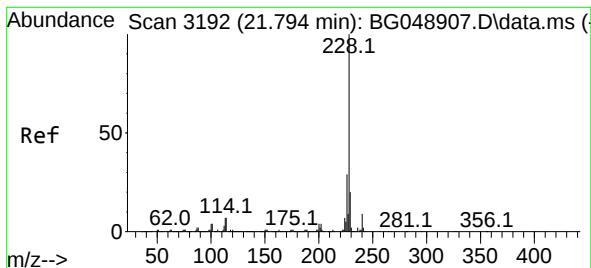
Tgt Ion:202 Resp: 119922
Ion Ratio Lower Upper
202 100
200 19.4 15.8 23.8
203 18.7 14.6 21.8



#79
Terphenyl-d14
Concen: 62.544 ng
RT: 20.100 min Scan# 2904
Delta R.T. -0.003 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

Tgt Ion:244 Resp: 728805
Ion Ratio Lower Upper
244 100
212 7.6 6.9 10.3
122 5.8 5.0 7.6

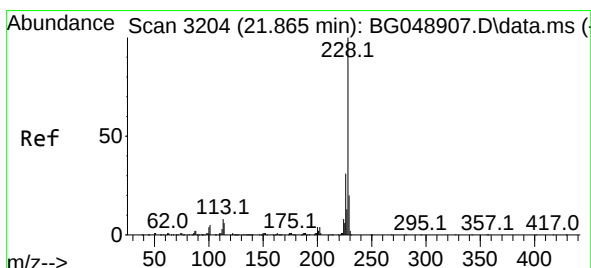
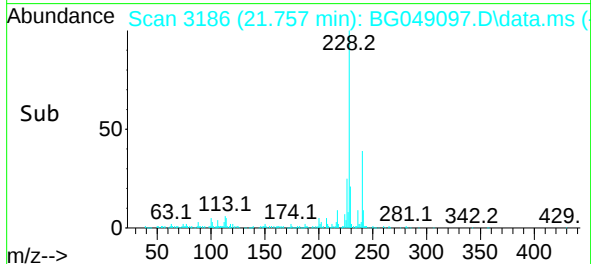
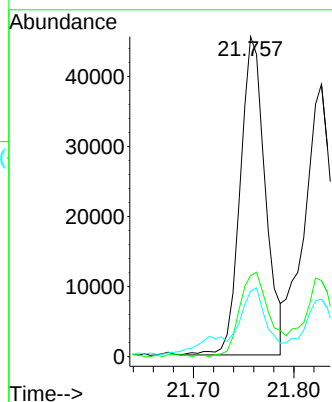
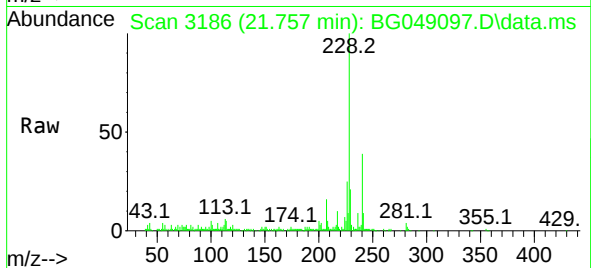




#81
Benzo(a)anthracene
Concen: 5.160 ng
RT: 21.757 min Scan# 3186
Delta R.T. -0.009 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

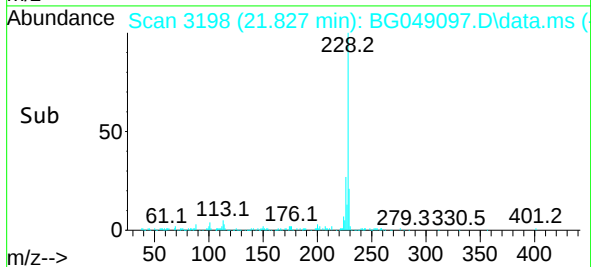
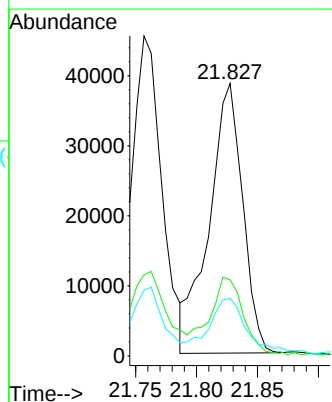
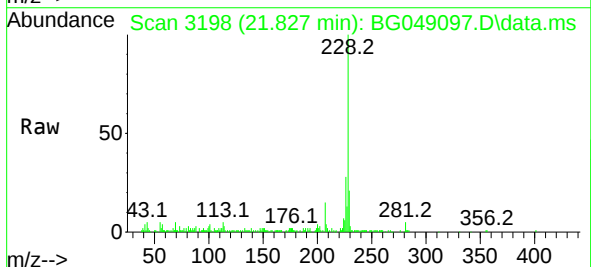
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-1

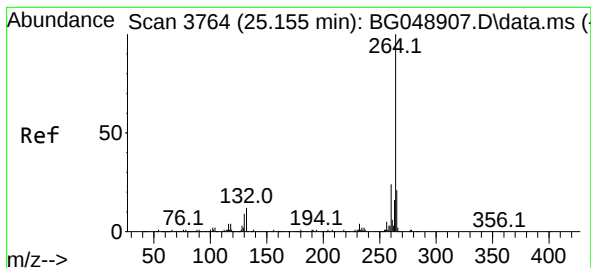
Tgt Ion:228 Resp: 79060
Ion Ratio Lower Upper
228 100
226 25.4 22.7 34.1
229 20.5 16.0 24.0



#83
Chrysene
Concen: 5.020 ng
RT: 21.827 min Scan# 3198
Delta R.T. -0.009 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

Tgt Ion:228 Resp: 73745
Ion Ratio Lower Upper
228 100
226 28.0 23.1 34.7
229 21.2 15.3 22.9

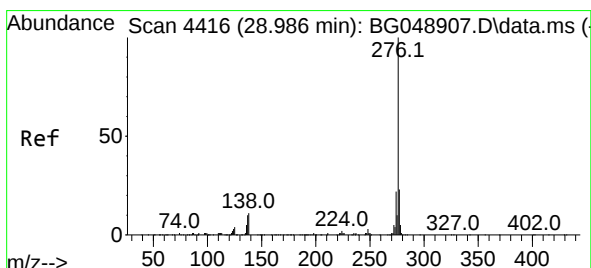
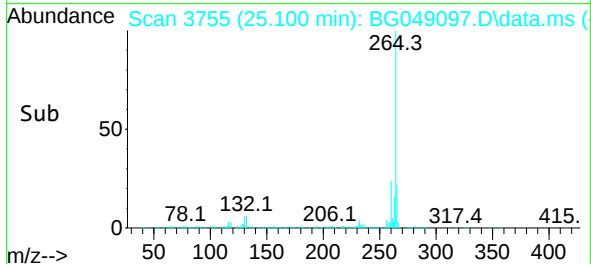
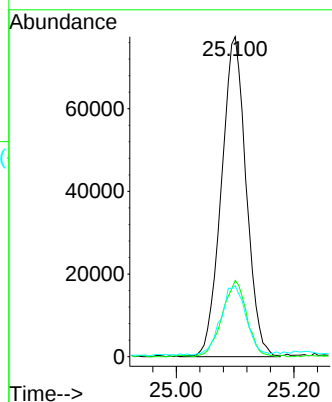
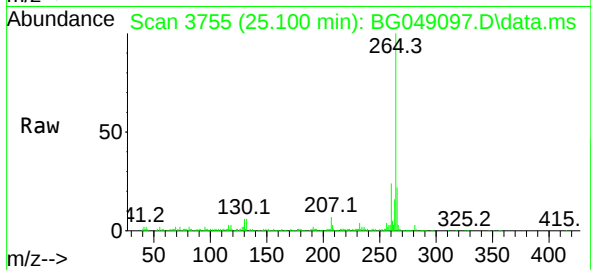




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.100 min Scan# 3755
 Delta R.T. -0.003 min
 Lab File: BG049097.D
 Acq: 25 Jun 2021 19:22

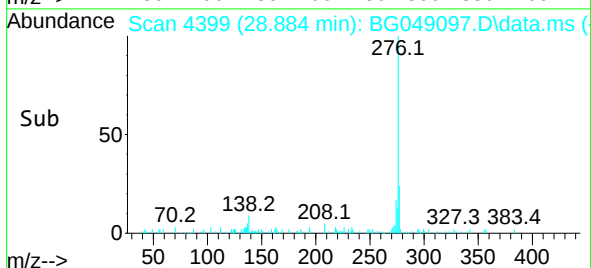
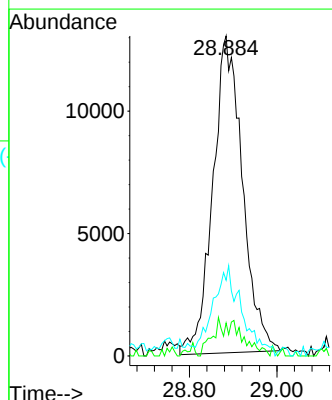
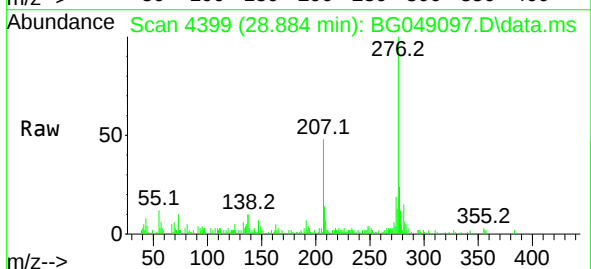
Instrument :
 BNA_G
 ClientSampleId :
 15B-STOCKPILE-1

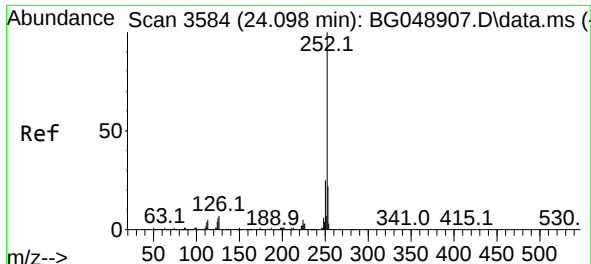
Tgt Ion:264 Resp: 226136
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.4 29.2
 265 22.2 16.9 25.3



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.576 ng
 RT: 28.884 min Scan# 4399
 Delta R.T. -0.032 min
 Lab File: BG049097.D
 Acq: 25 Jun 2021 19:22

Tgt Ion:276 Resp: 60861
 Ion Ratio Lower Upper
 276 100
 138 0.0 5.1 7.7#
 277 15.4 19.8 29.6#

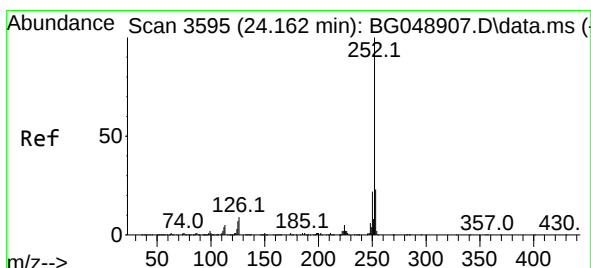
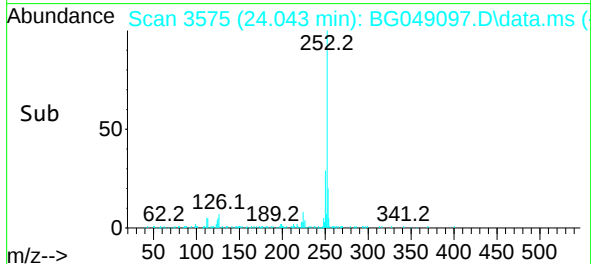
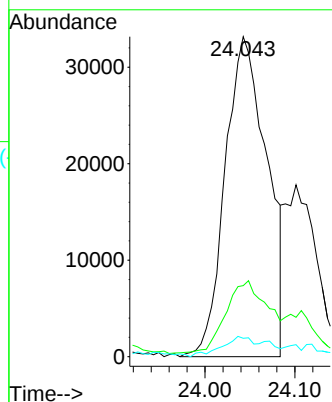
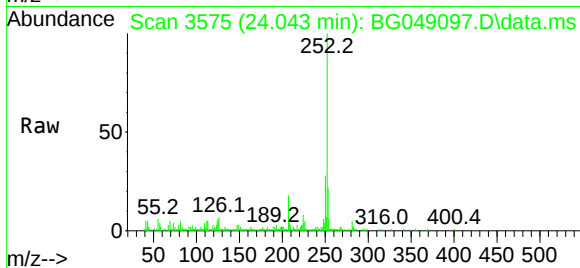




#88
Benzo(b)fluoranthene
Concen: 6.675 ng
RT: 24.043 min Scan# 3575
Delta R.T. -0.009 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

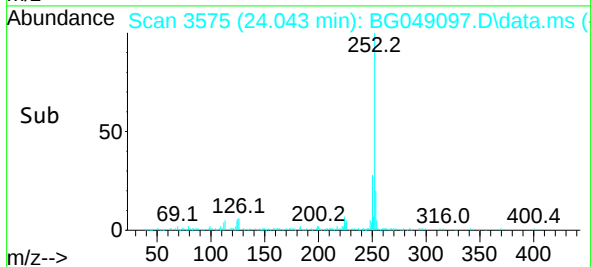
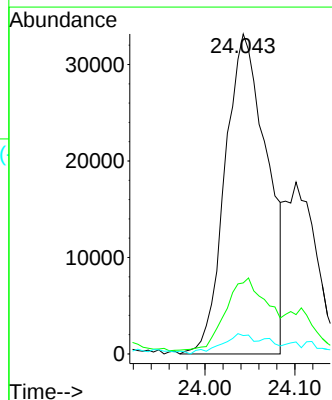
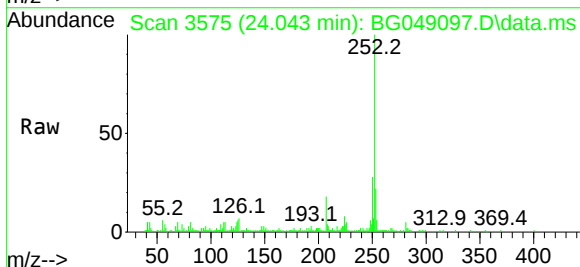
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-1

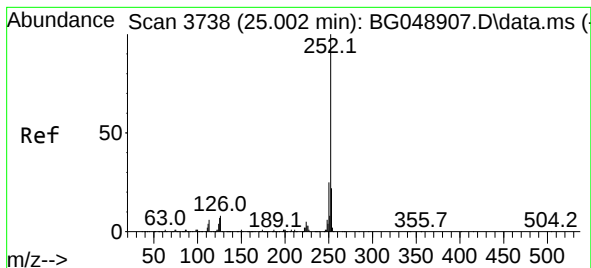
Tgt Ion:252 Resp: 107607
Ion Ratio Lower Upper
252 100
253 22.2 16.2 24.4
125 5.7 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 7.035 ng
RT: 24.043 min Scan# 3575
Delta R.T. -0.085 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

Tgt Ion:252 Resp: 107607
Ion Ratio Lower Upper
252 100
253 22.2 18.0 27.0
125 5.7 3.1 4.7#

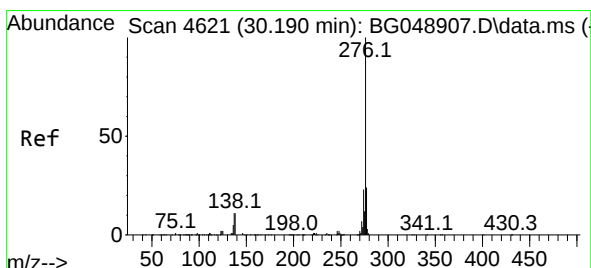
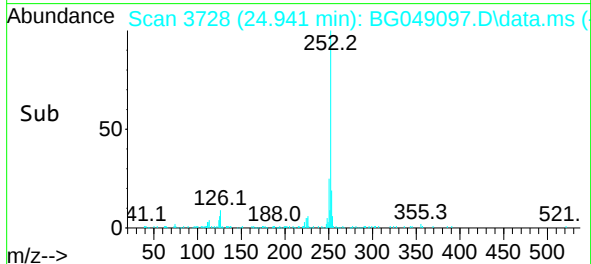
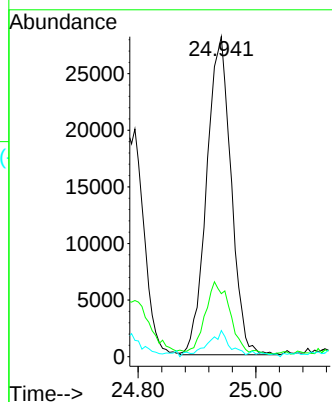
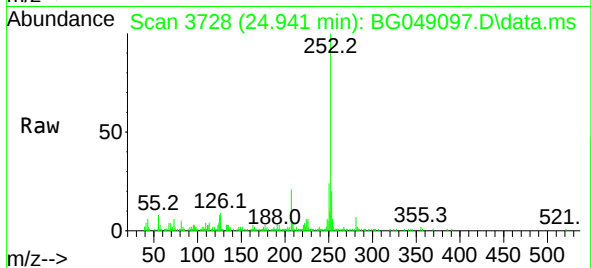




#90
Benzo(a)pyrene
Concen: 5.504 ng
RT: 24.941 min Scan# 3728
Delta R.T. -0.009 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-1

Tgt Ion:252 Resp: 80986
Ion Ratio Lower Upper
252 100
253 19.7 16.6 25.0
125 8.1 3.5 5.3#



#92
Benzo(g,h,i)perylene
Concen: 4.429 ng
RT: 30.065 min Scan# 4600
Delta R.T. -0.044 min
Lab File: BG049097.D
Acq: 25 Jun 2021 19:22

Tgt Ion:276 Resp: 63527
Ion Ratio Lower Upper
276 100
277 26.4 18.4 27.6
138 9.3 7.0 10.6

