

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062521\
 Data File : BG049098.D
 Acq On : 25 Jun 2021 20:04
 Operator : CG/JU
 Sample : M2829-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 15B-STOCKPILE-2A

Quant Time: Jun 26 01:33:41 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)

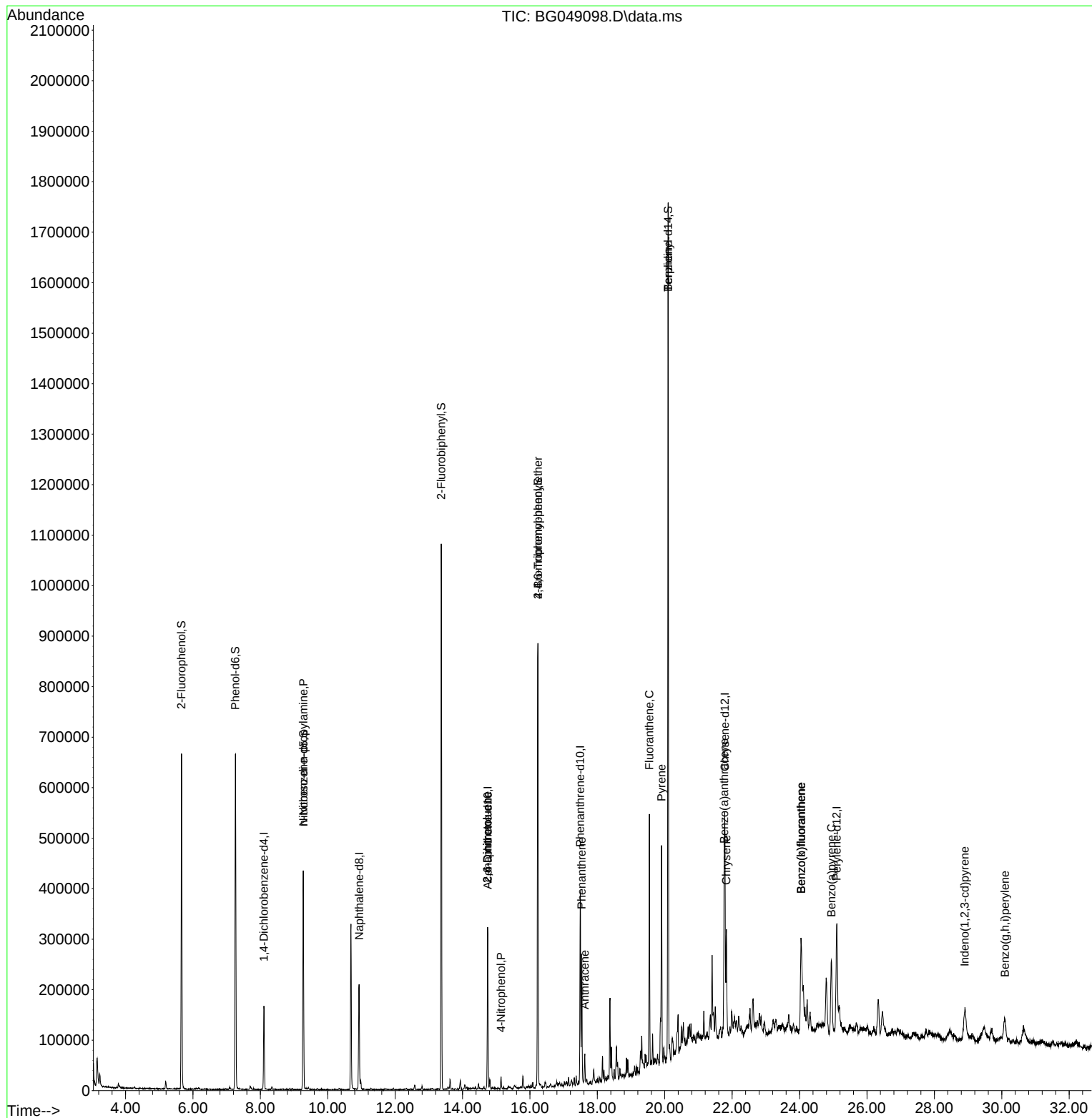
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.104	152	42814	20.000	ng	# 0.00
21) Naphthalene-d8	10.930	136	171774	20.000	ng	# 0.00
39) Acenaphthene-d10	14.749	164	119238	20.000	ng	0.00
64) Phenanthrene-d10	17.493	188	237342	20.000	ng	# 0.00
76) Chrysene-d12	21.782	240	227006	20.000	ng	0.00
86) Perylene-d12	25.102	264	237509	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.660	112	267821	97.377	ng	0.00
7) Phenol-d6	7.258	99	350911	85.126	ng	0.00
23) Nitrobenzene-d5	9.273	82	257170	64.557	ng	0.00
42) 2,4,6-Tribromophenol	16.235	330	177354	100.394	ng	0.00
45) 2-Fluorobiphenyl	13.368	172	547392	64.852	ng	0.00
79) Terphenyl-d14	20.102	244	799254	64.481	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.273	70	37153	11.530	ng	# 73
51) 2,6-Dinitrotoluene	14.743	165	15947	8.431	ng	# 12
56) 4-Nitrophenol	15.143	139	4422	2.832	ng	# 1
57) 2,4-Dinitrotoluene	14.743	165	15947	6.864	ng	# 17
67) 4-Bromophenyl-phenylether	16.235	248	11512	3.885	ng	# 1
71) Phenanthrene	17.534	178	161928	12.125	ng	97
72) Anthracene	17.628	178	37026	2.759	ng	95
75) Fluoranthene	19.543	202	304576	18.913	ng	99
77) Benzidine	20.102	184	15744	3.443	ng	# 87
78) Pyrene	19.902	202	284555	17.270	ng	97
81) Benzo(a)anthracene	21.758	228	175881	10.791	ng	97
83) Chrysene	21.829	228	159643	10.215	ng	95
87) Indeno(1,2,3-cd)pyrene	28.903	276	117493	6.573	ng	94
88) Benzo(b)fluoranthene	24.044	252	242662	14.332	ng	# 96
89) Benzo(k)fluoranthene	24.044	252	242662	15.106	ng	# 98
90) Benzo(a)pyrene	24.949	252	178170	11.528	ng	98
92) Benzo(g,h,i)perylene	30.096	276	114424	7.596	ng	96

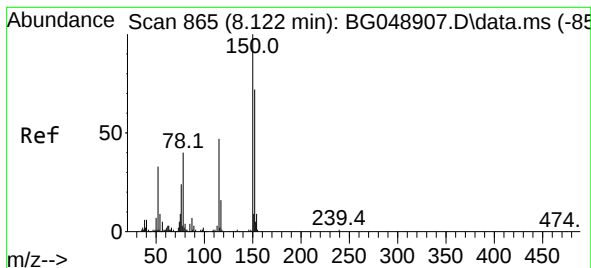
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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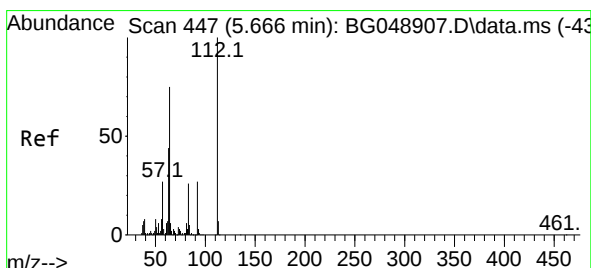
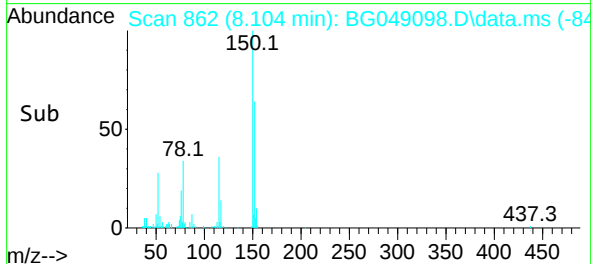
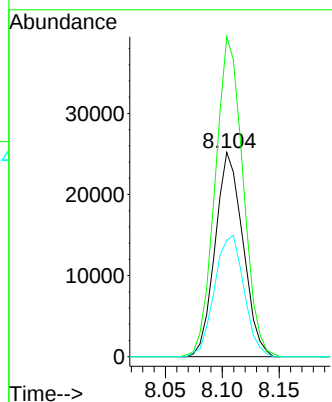
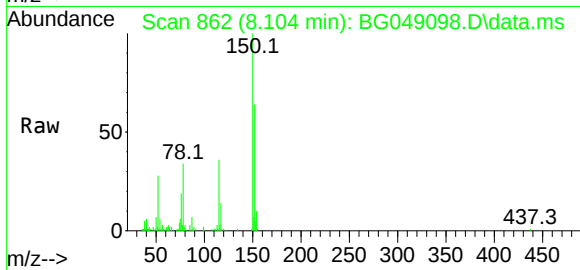




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.104 min Scan# 862
Delta R.T. -0.001 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

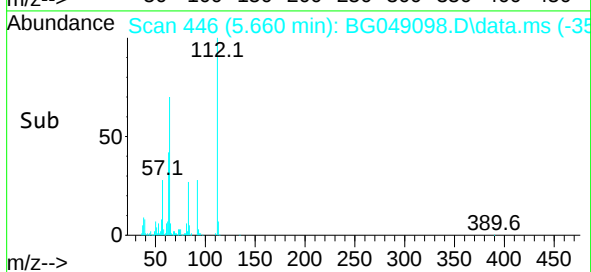
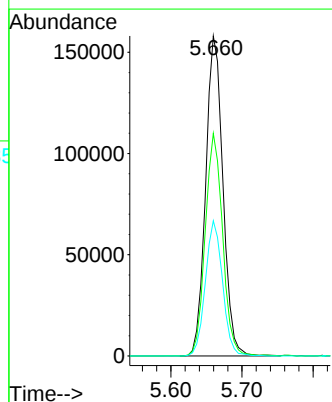
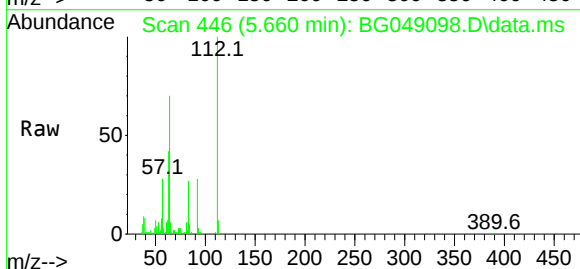
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-2A

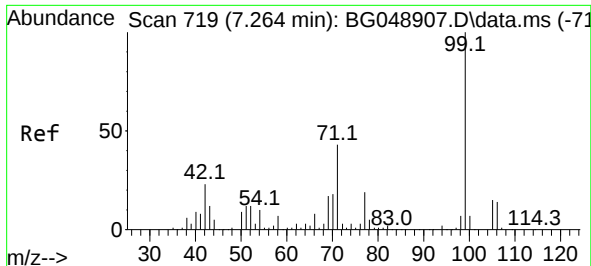
Tgt Ion:152 Resp: 42814
Ion Ratio Lower Upper
152 100
150 156.7 119.4 179.0
115 57.0 60.2 90.4#



#5
2-Fluorophenol
Concen: 97.377 ng
RT: 5.660 min Scan# 446
Delta R.T. 0.004 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

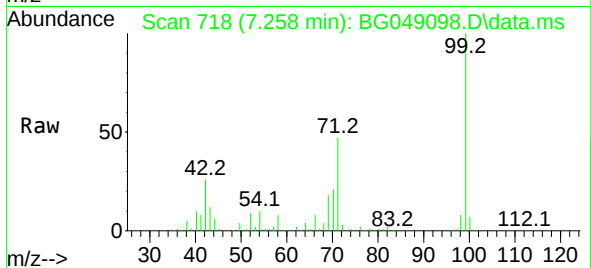
Tgt Ion:112 Resp: 267821
Ion Ratio Lower Upper
112 100
64 69.5 46.7 70.1
63 42.2 35.3 52.9



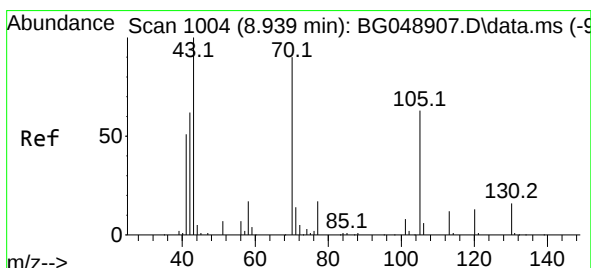
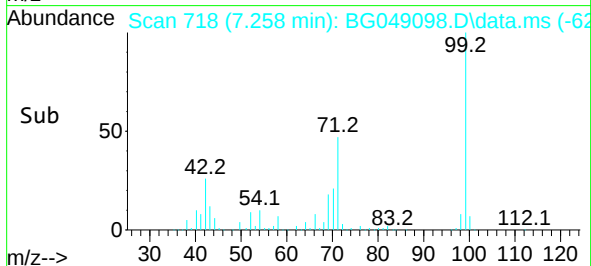
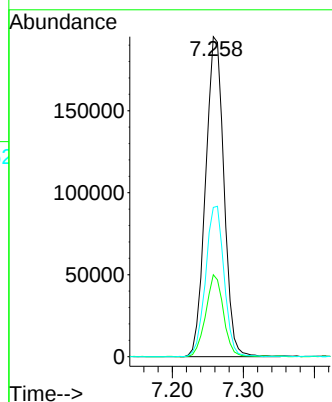


#7
Phenol-d6
Concen: 85.126 ng
RT: 7.258 min Scan# 718
Delta R.T. -0.002 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-2A

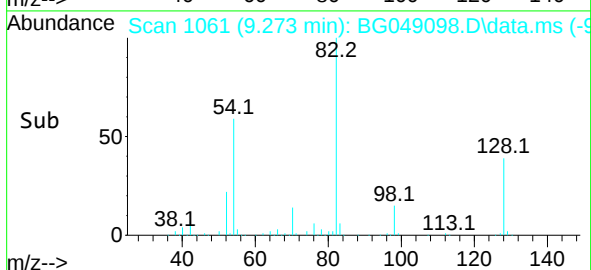
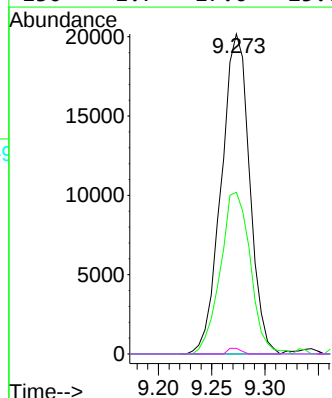
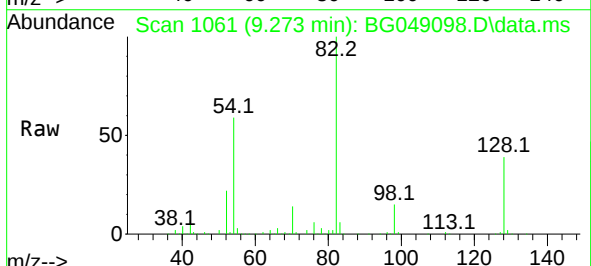


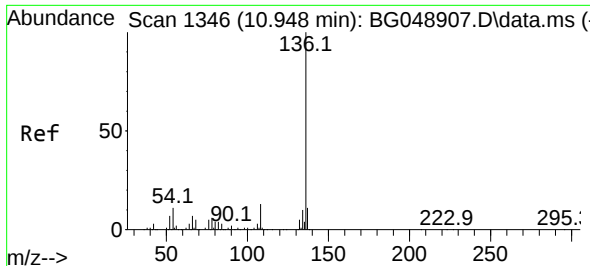
Tgt Ion: 99 Resp: 350911
Ion Ratio Lower Upper
99 100
42 25.6 20.5 30.7
71 46.7 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 11.530 ng
RT: 9.273 min Scan# 1061
Delta R.T. 0.363 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

Tgt Ion: 70 Resp: 37153
Ion Ratio Lower Upper
70 100
42 50.5 54.5 81.7#
101 0.0 9.0 13.6#
130 1.7 17.0 25.6#

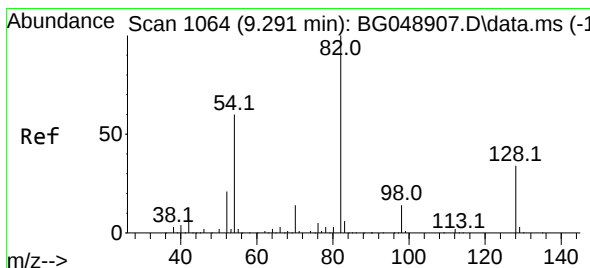
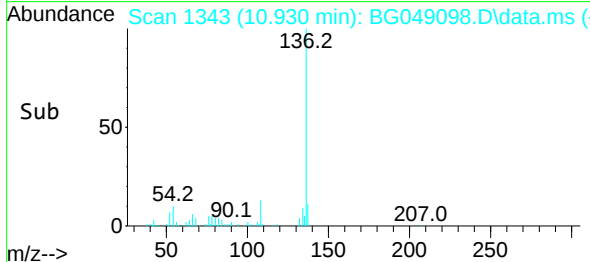
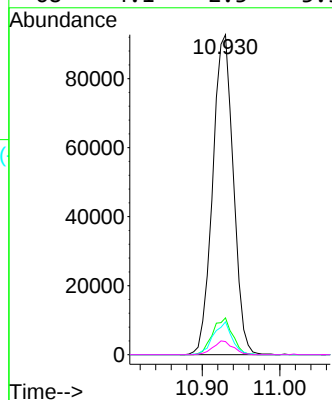
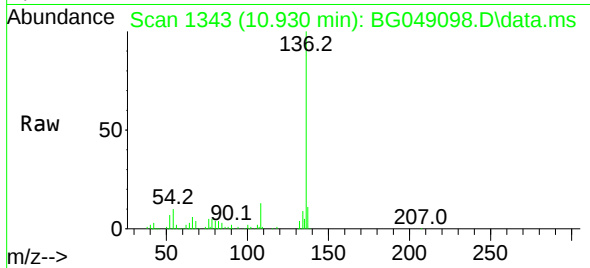




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.930 min Scan# 1343
Delta R.T. 0.004 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

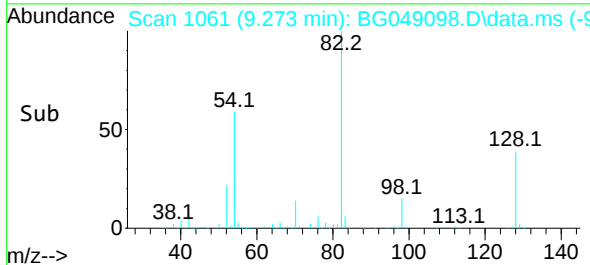
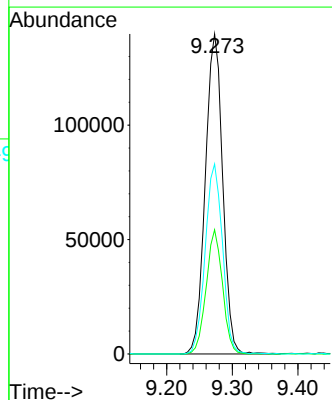
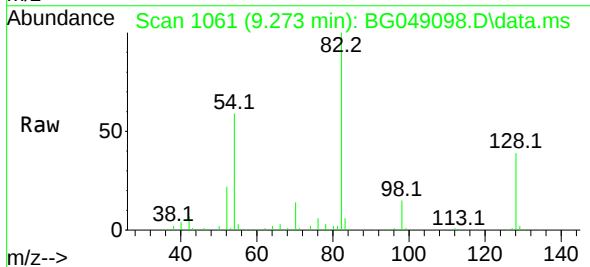
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-2A

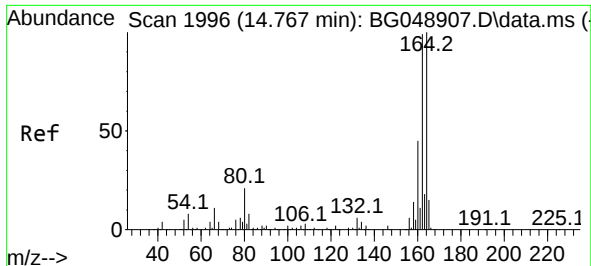
Tgt Ion:	136	Resp:	171774
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.2	12.2
54	10.2	5.5	8.3#
68	4.1	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 64.557 ng
RT: 9.273 min Scan# 1061
Delta R.T. -0.002 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

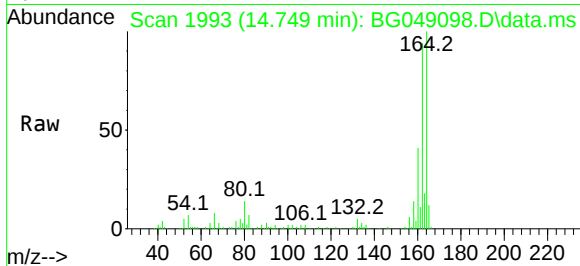
Tgt Ion:	82	Resp:	257170
Ion Ratio	Lower	Upper	
82	100		
128	38.8	29.8	44.6
54	59.3	45.8	68.8



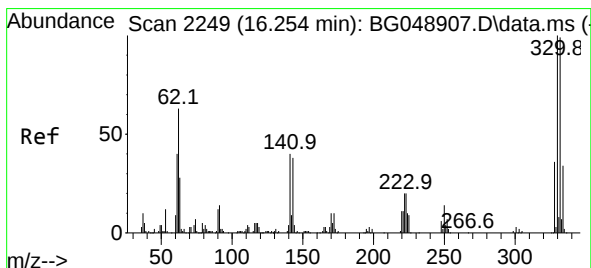
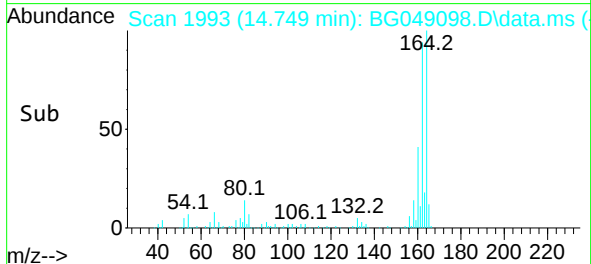
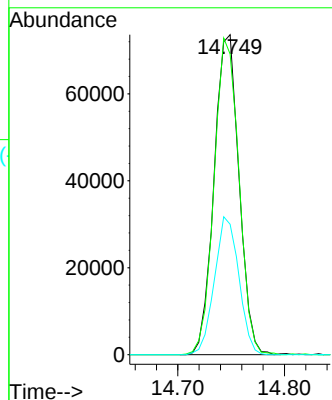


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.749 min Scan# 1993
Delta R.T. -0.002 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

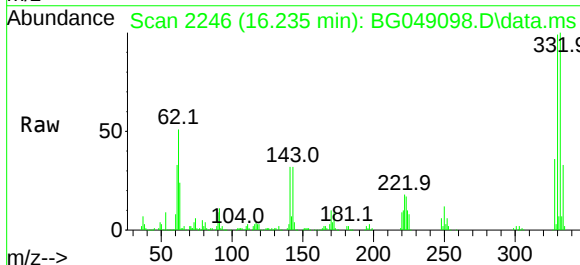
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-2A



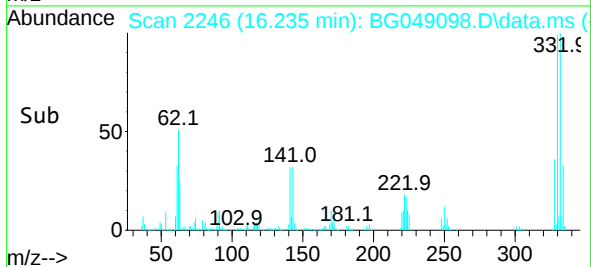
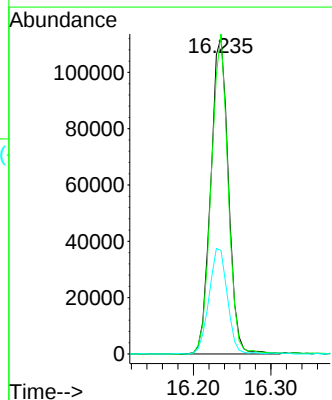
Tgt Ion:164 Resp: 119238
Ion Ratio Lower Upper
164 100
162 94.0 81.4 122.0
160 40.8 34.9 52.3

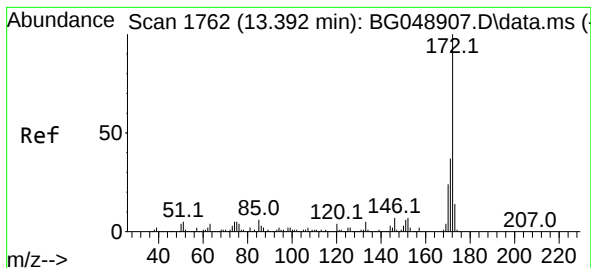


#42
2,4,6-Tribromophenol
Concen: 100.394 ng
RT: 16.235 min Scan# 2246
Delta R.T. -0.002 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04



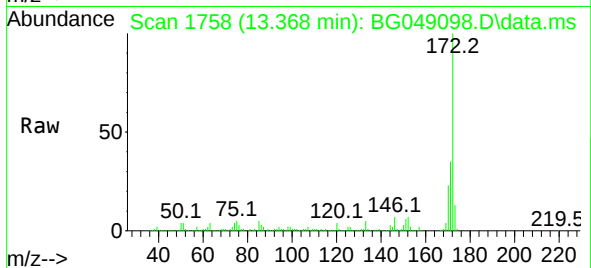
Tgt Ion:330 Resp: 177354
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 34.6 35.6 53.4#



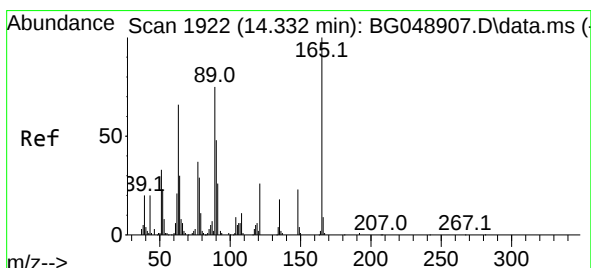
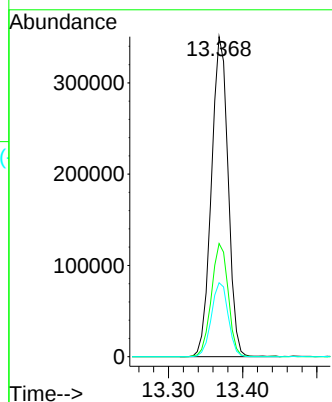
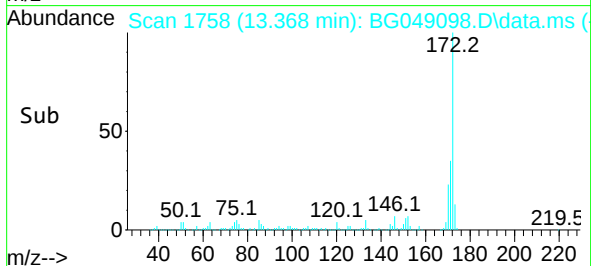


#45
2-Fluorobiphenyl
Concen: 64.852 ng
RT: 13.368 min Scan# 1758
Delta R.T. -0.002 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

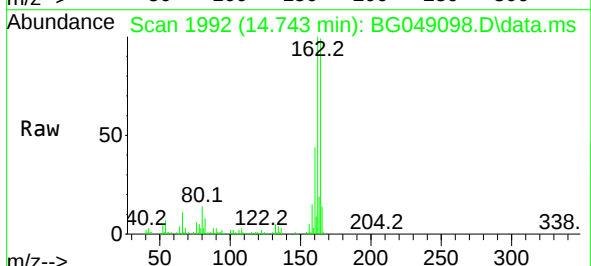
Instrument :
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ClientSampleId :
15B-STOCKPILE-2A



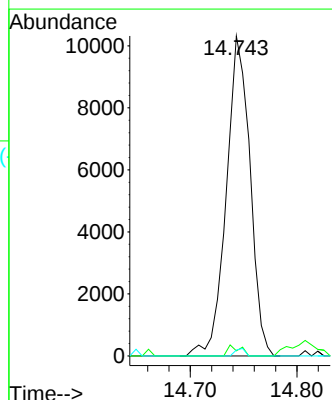
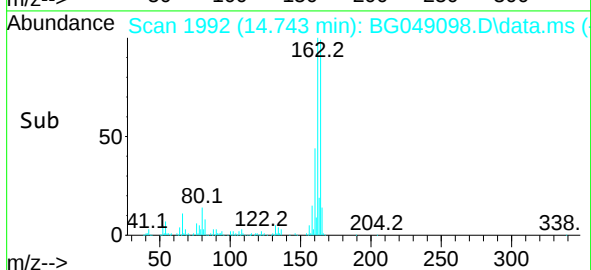
Tgt Ion:172 Resp: 547392
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.1 18.6 27.8

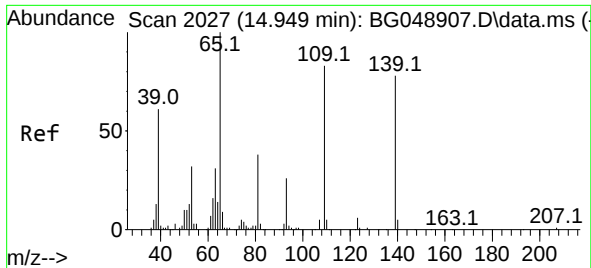


#51
2,6-Dinitrotoluene
Concen: 8.431 ng
RT: 14.743 min Scan# 1992
Delta R.T. 0.427 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04



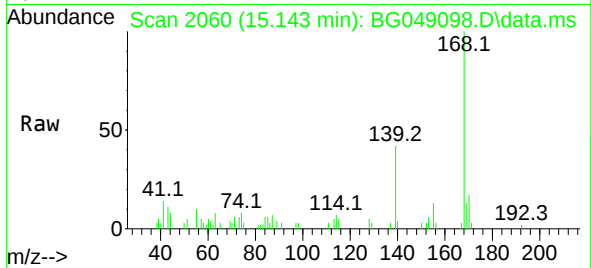
Tgt Ion:165 Resp: 15947
Ion Ratio Lower Upper
165 100
63 1.6 63.3 94.9#
89 1.9 63.4 95.0#



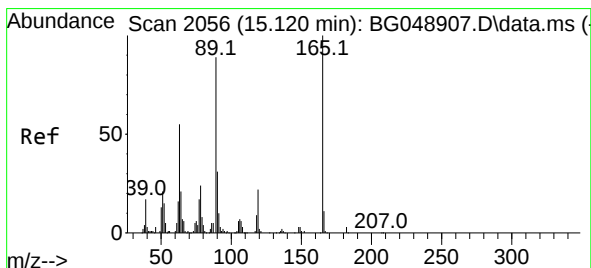
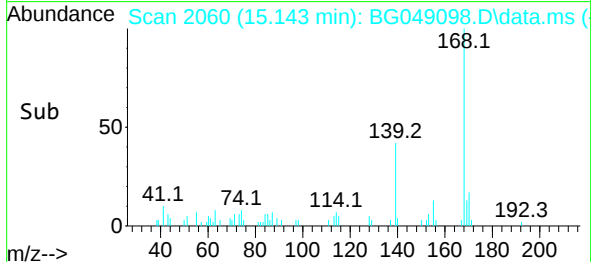
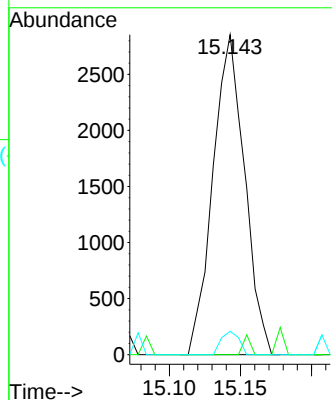


#56
4-Nitrophenol
Concen: 2.832 ng
RT: 15.143 min Scan# 2060
Delta R.T. 0.186 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-2A

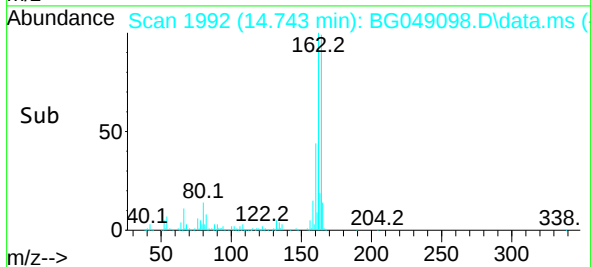
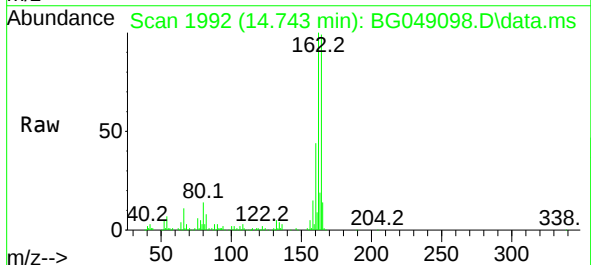
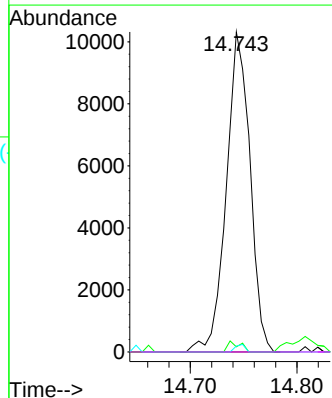


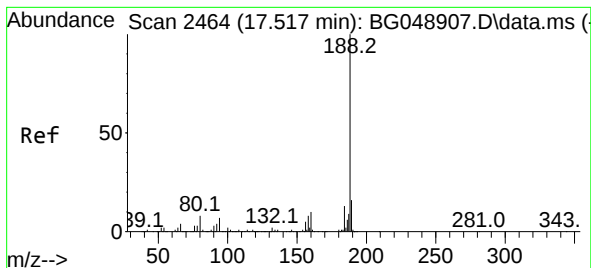
Tgt Ion:139 Resp: 4422
Ion Ratio Lower Upper
139 100
109 0.0 116.3 156.3#
65 7.3 105.0 145.0#



#57
2,4-Dinitrotoluene
Concen: 6.864 ng
RT: 14.743 min Scan# 1992
Delta R.T. -0.360 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

Tgt Ion:165 Resp: 15947
Ion Ratio Lower Upper
165 100
63 1.6 48.0 72.0#
89 1.9 65.4 98.0#
182 0.0 2.0 3.0#

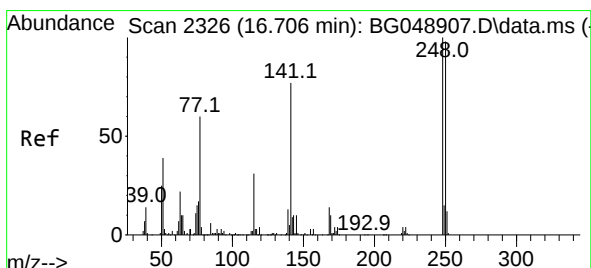
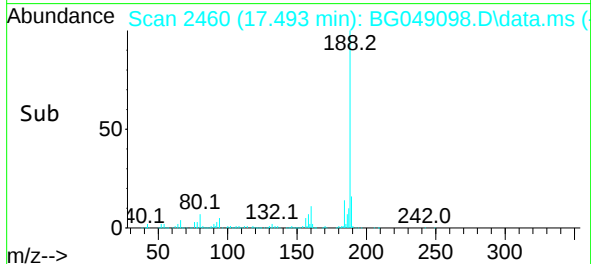
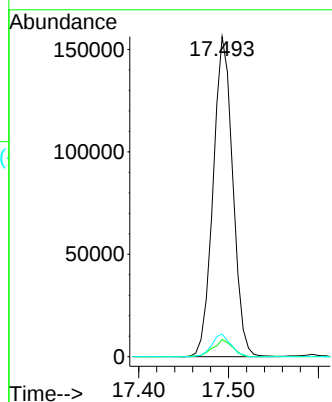
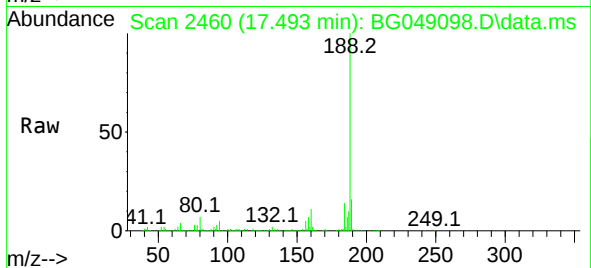




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.493 min Scan# 2460
Delta R.T. -0.008 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

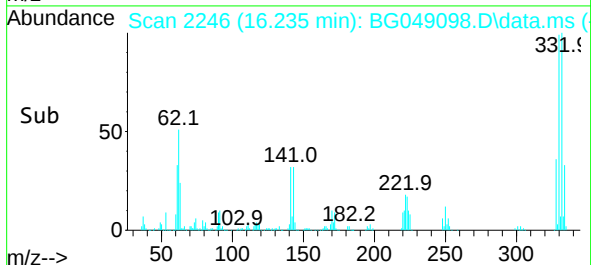
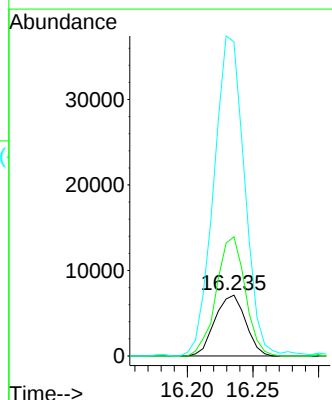
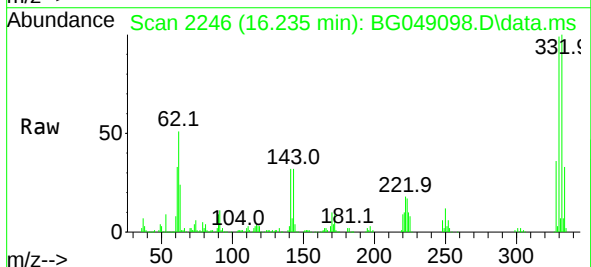
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-2A

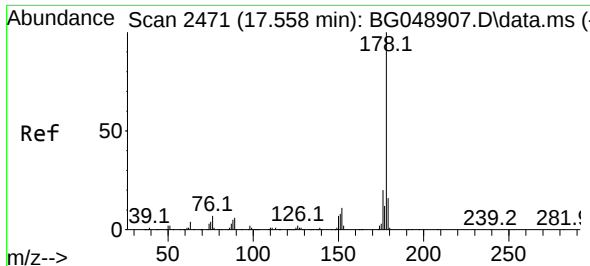
Tgt Ion:188 Resp: 237342
Ion Ratio Lower Upper
188 100
94 5.3 5.4 8.0#
80 7.1 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 3.885 ng
RT: 16.235 min Scan# 2246
Delta R.T. -0.448 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

Tgt Ion:248 Resp: 11512
Ion Ratio Lower Upper
248 100
250 196.0 76.1 114.1#
141 516.3 65.4 98.2#

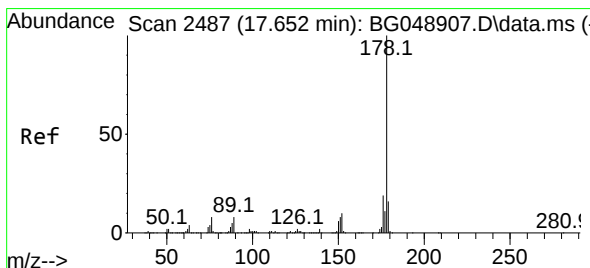
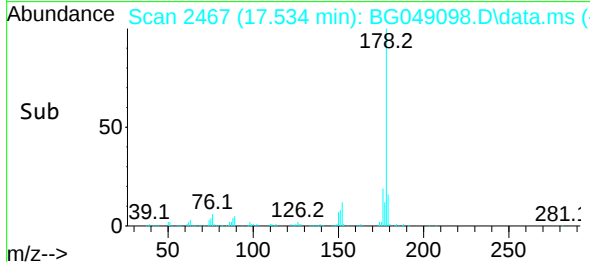
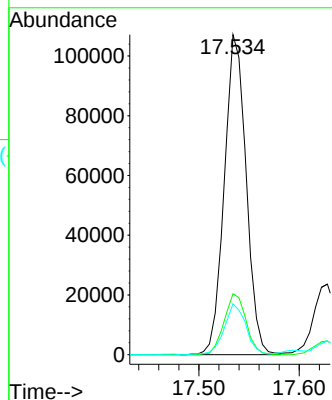
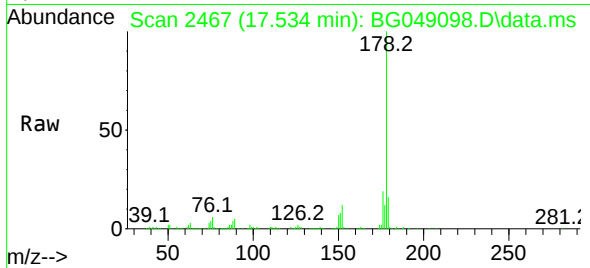




#71
Phenanthrene
Concen: 12.125 ng
RT: 17.534 min Scan# 2467
Delta R.T. -0.008 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

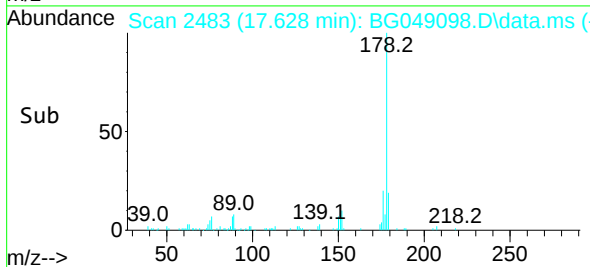
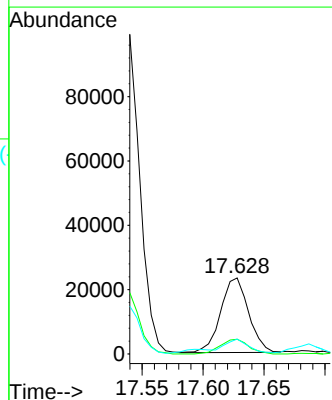
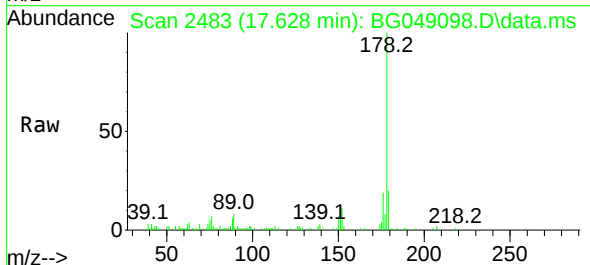
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-2A

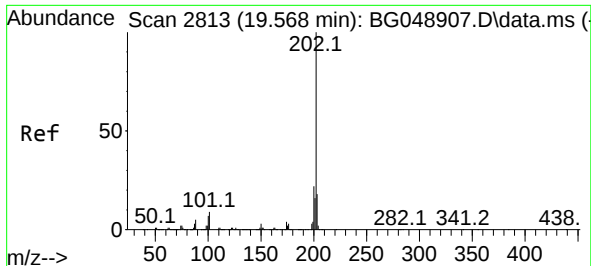
Tgt Ion:178 Resp: 161928
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.9 14.2 21.4



#72
Anthracene
Concen: 2.759 ng
RT: 17.628 min Scan# 2483
Delta R.T. -0.002 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

Tgt Ion:178 Resp: 37026
Ion Ratio Lower Upper
178 100
176 19.4 14.6 21.8
179 19.5 13.4 20.0

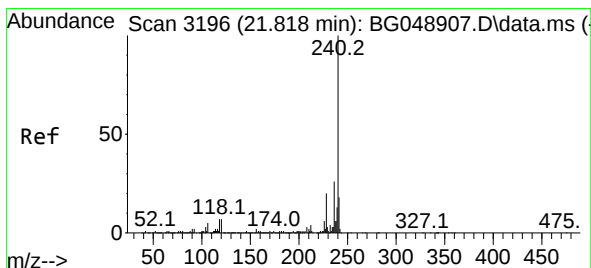
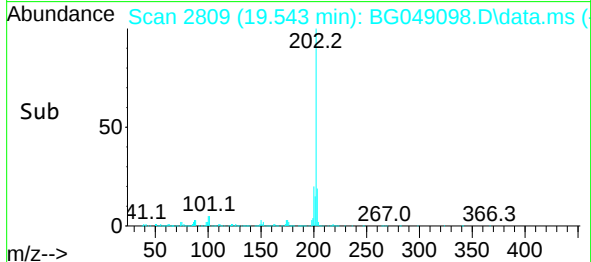
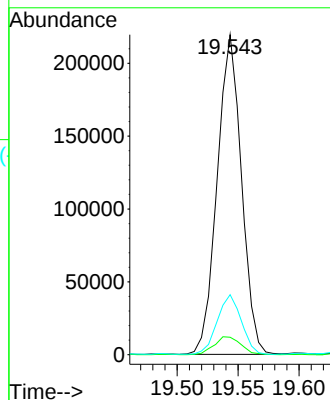
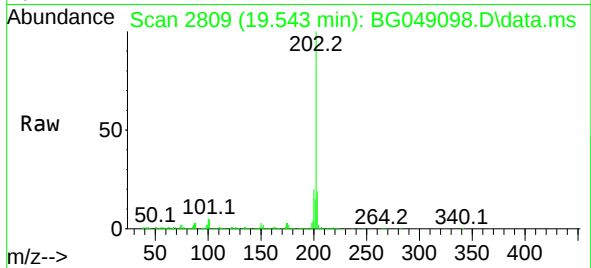




#75
Fluoranthene
Concen: 18.913 ng
RT: 19.543 min Scan# 2809
Delta R.T. -0.002 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

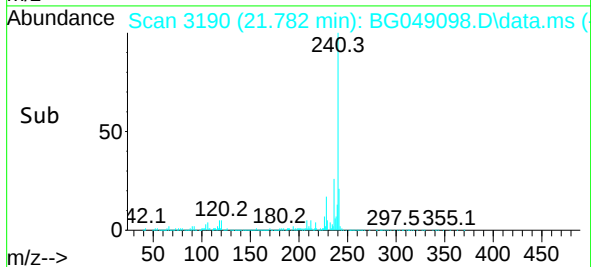
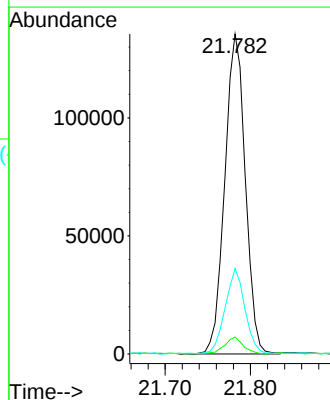
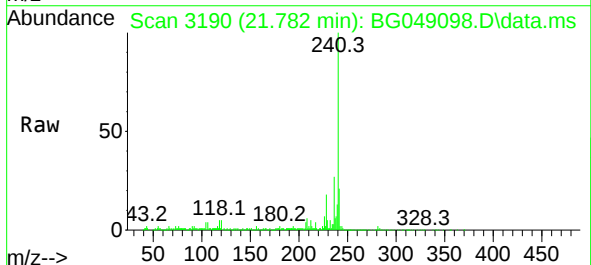
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-2A

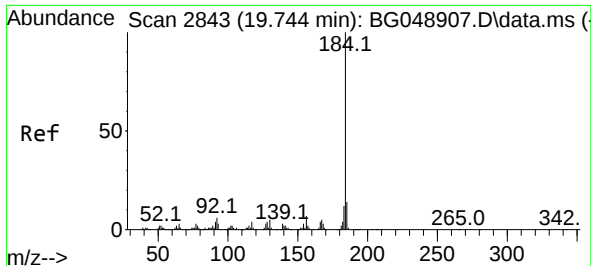
Tgt Ion:202 Resp: 304576
Ion Ratio Lower Upper
202 100
101 5.5 0.0 24.7
203 18.7 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.782 min Scan# 3190
Delta R.T. -0.008 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

Tgt Ion:240 Resp: 227006
Ion Ratio Lower Upper
240 100
120 5.3 4.2 6.2
236 26.7 21.8 32.6

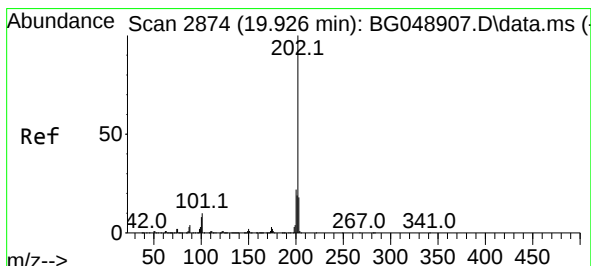
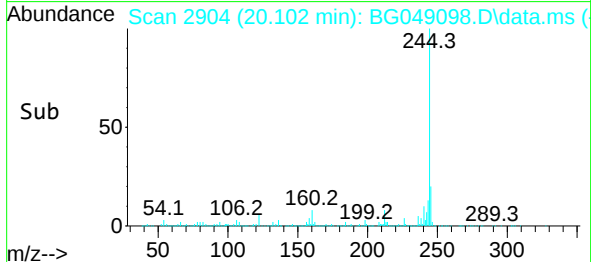
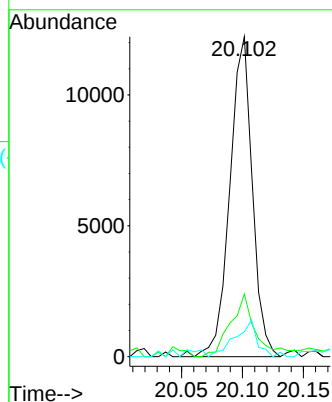
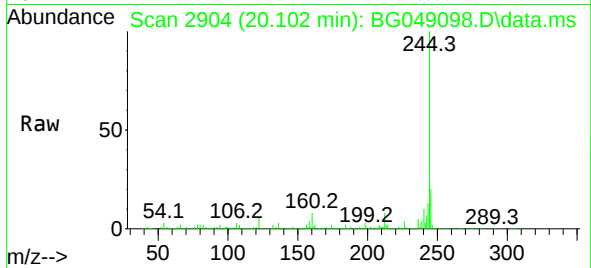




#77
Benzidine
Concen: 3.443 ng
RT: 20.102 min Scan# 2904
Delta R.T. 0.380 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

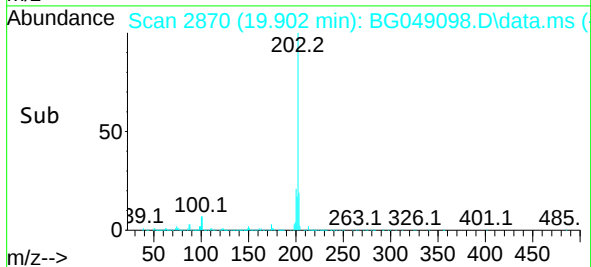
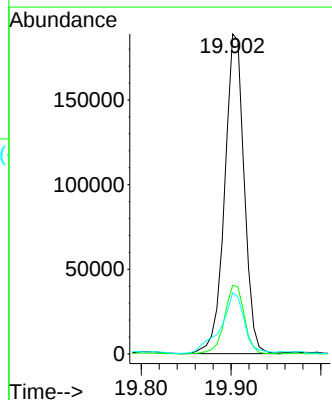
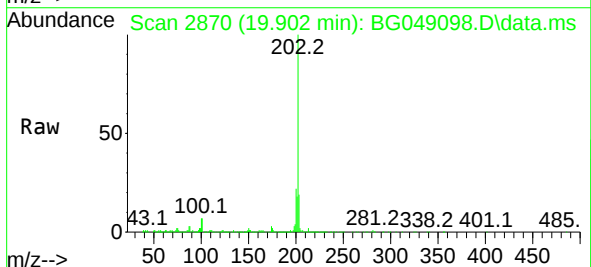
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-2A

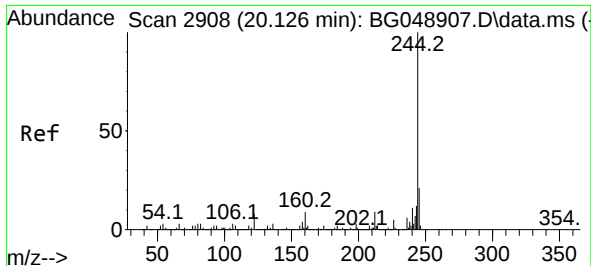
Tgt Ion:184 Resp: 15744
Ion Ratio Lower Upper
184 100
185 19.6 10.7 16.1#
183 7.8 9.4 14.0#



#78
Pyrene
Concen: 17.270 ng
RT: 19.902 min Scan# 2870
Delta R.T. -0.008 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

Tgt Ion:202 Resp: 284555
Ion Ratio Lower Upper
202 100
200 21.5 15.8 23.8
203 19.1 14.6 21.8

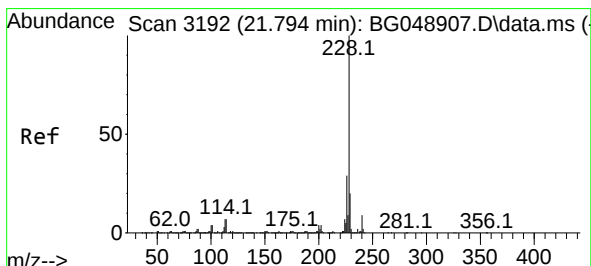
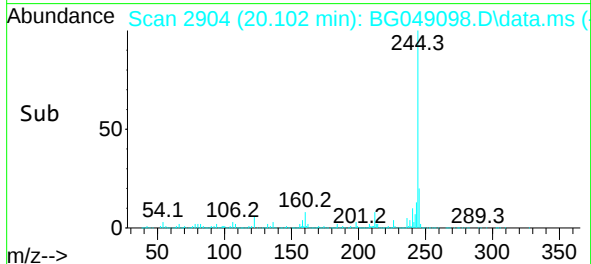
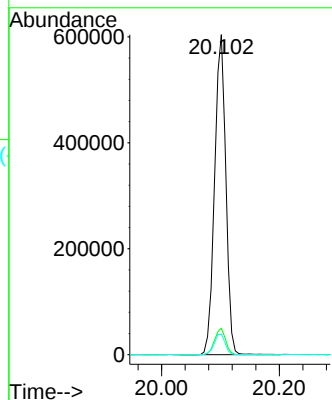
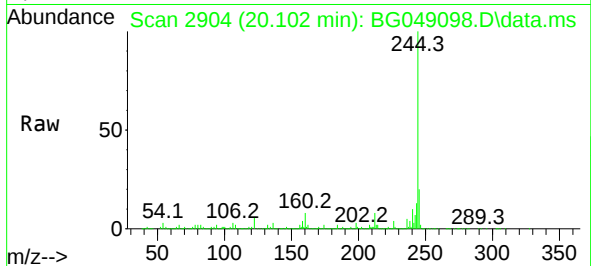




#79
Terphenyl-d14
Concen: 64.481 ng
RT: 20.102 min Scan# 2904
Delta R.T. -0.002 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

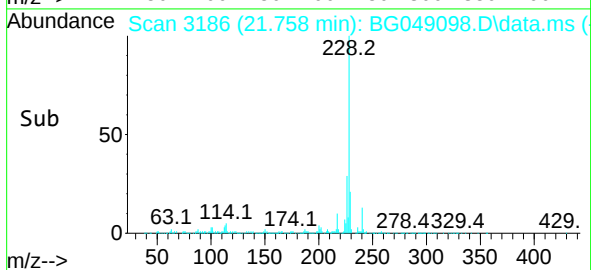
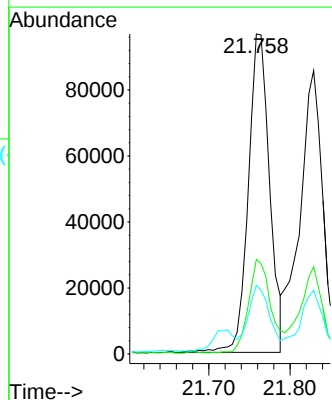
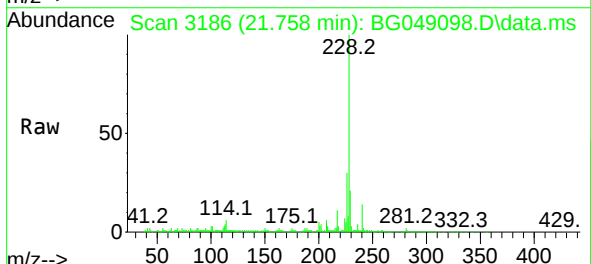
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-2A

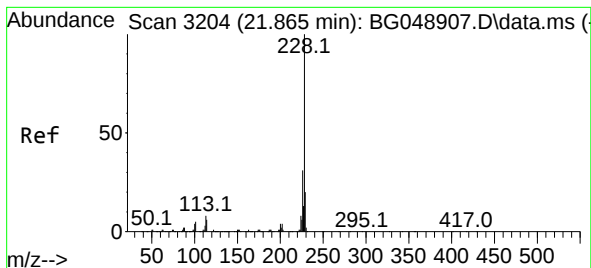
Tgt Ion:244 Resp: 799254
Ion Ratio Lower Upper
244 100
212 8.3 6.9 10.3
122 6.4 5.0 7.6



#81
Benzo(a)anthracene
Concen: 10.791 ng
RT: 21.758 min Scan# 3186
Delta R.T. -0.008 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

Tgt Ion:228 Resp: 175881
Ion Ratio Lower Upper
228 100
226 29.6 22.7 34.1
229 21.4 16.0 24.0





#83

Chrysene

Concen: 10.215 ng

RT: 21.829 min Scan# 3198

Delta R.T. -0.008 min

Lab File: BG049098.D

Acq: 25 Jun 2021 20:04

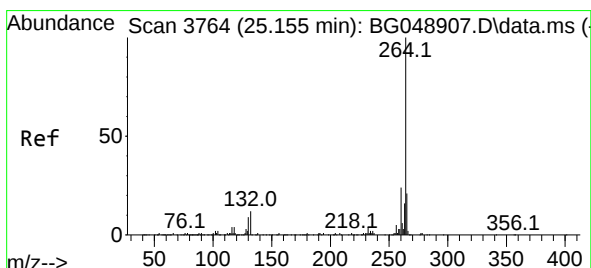
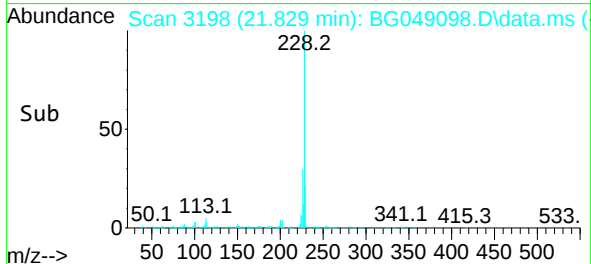
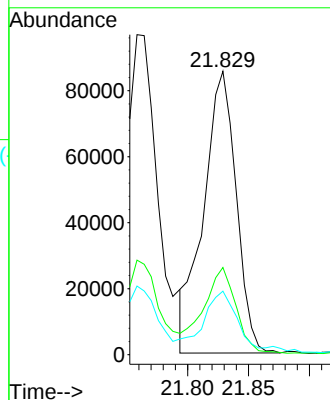
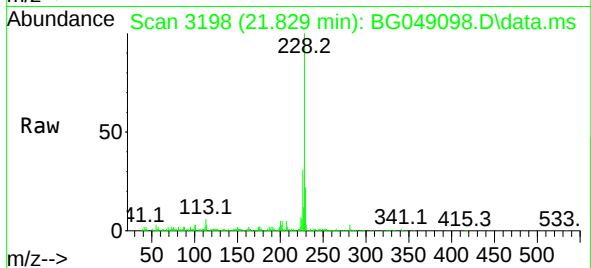
Tgt Ion:228 Resp: 159643

Ion Ratio Lower Upper

228 100

226 30.8 23.1 34.7

229 22.4 15.3 22.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.102 min Scan# 3755

Delta R.T. -0.002 min

Lab File: BG049098.D

Acq: 25 Jun 2021 20:04

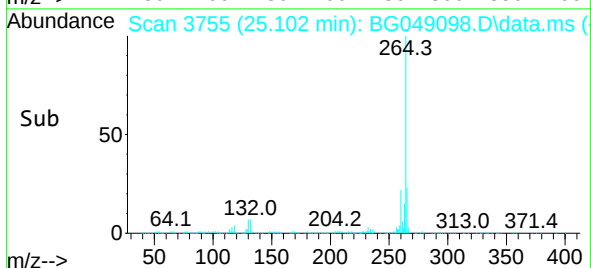
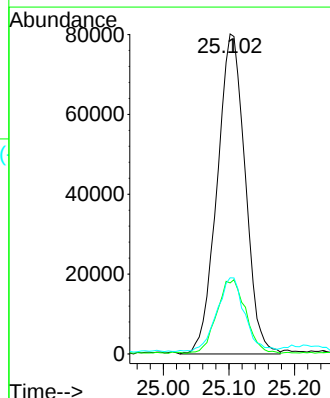
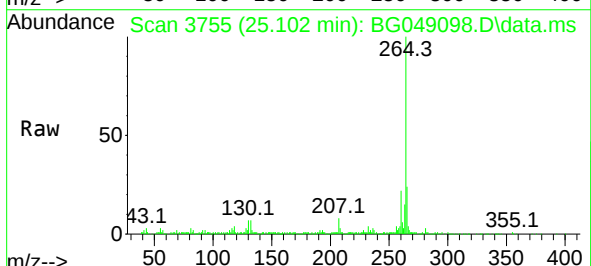
Tgt Ion:264 Resp: 237509

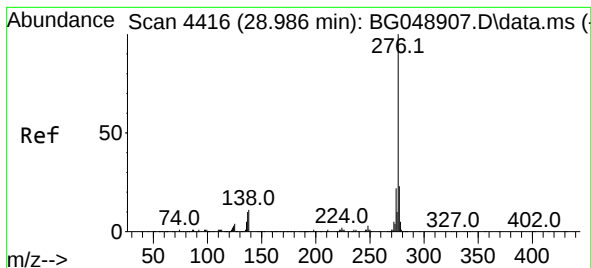
Ion Ratio Lower Upper

264 100

260 22.2 19.4 29.2

265 23.8 16.9 25.3

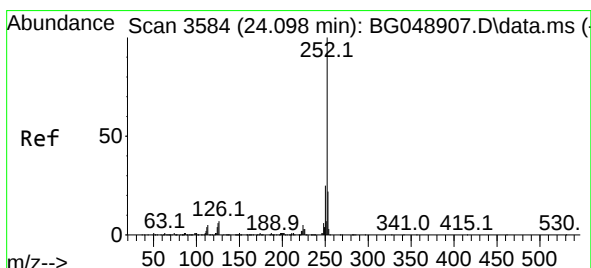
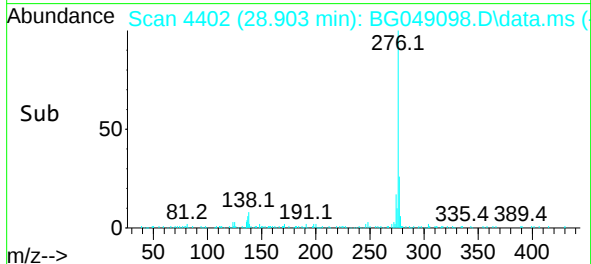
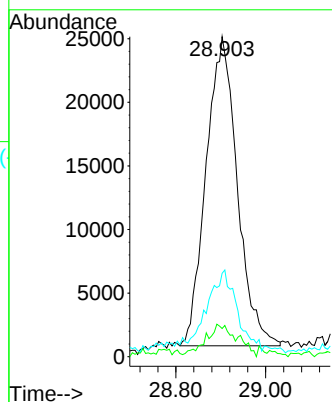
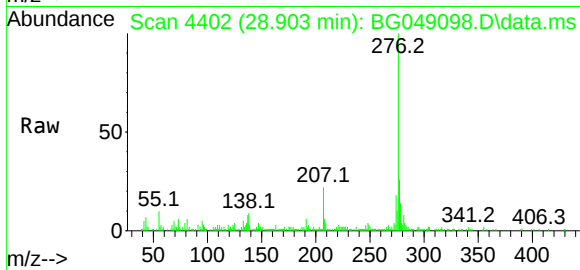




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.573 ng
RT: 28.903 min Scan# 4402
Delta R.T. -0.013 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

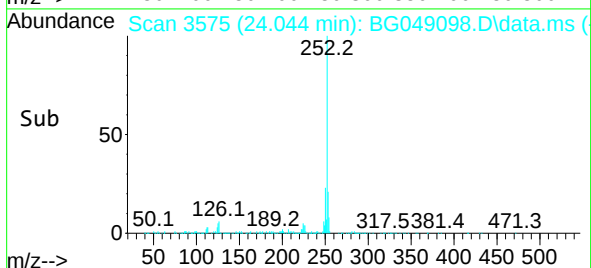
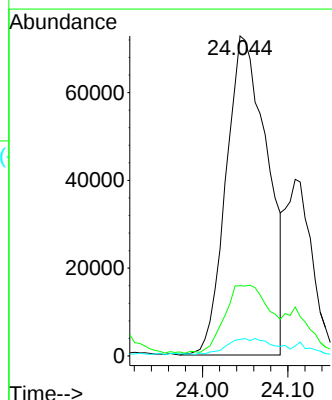
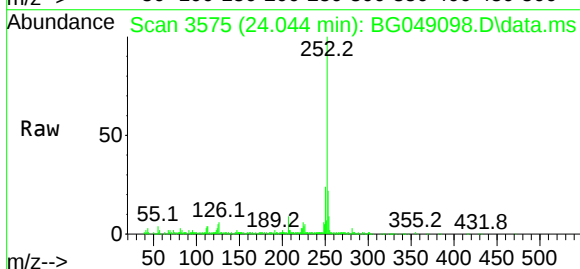
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-2A

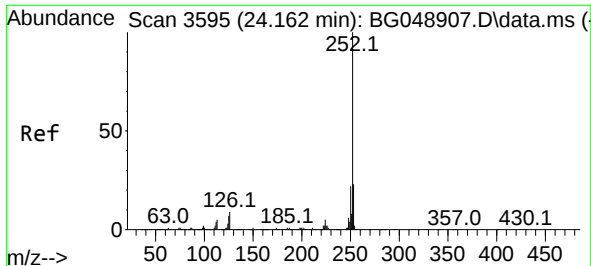
Tgt Ion:276 Resp: 117493
Ion Ratio Lower Upper
276 100
138 7.5 5.1 7.7
277 21.6 19.8 29.6



#88
Benzo(b)fluoranthene
Concen: 14.332 ng
RT: 24.044 min Scan# 3575
Delta R.T. -0.008 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

Tgt Ion:252 Resp: 242662
Ion Ratio Lower Upper
252 100
253 21.9 16.2 24.4
125 5.2 3.0 4.4#

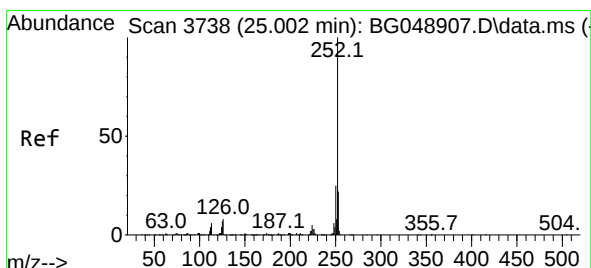
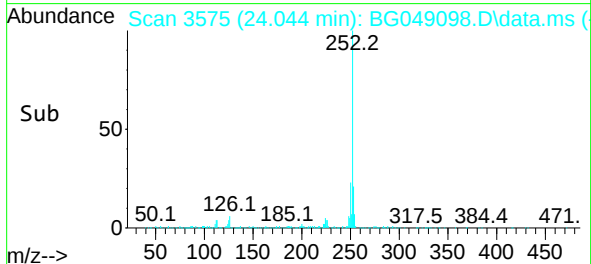
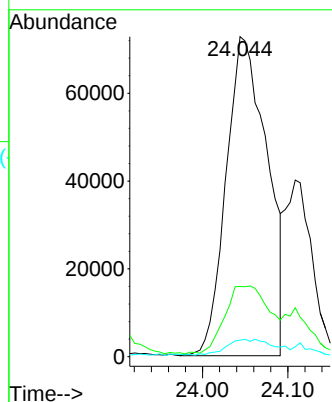
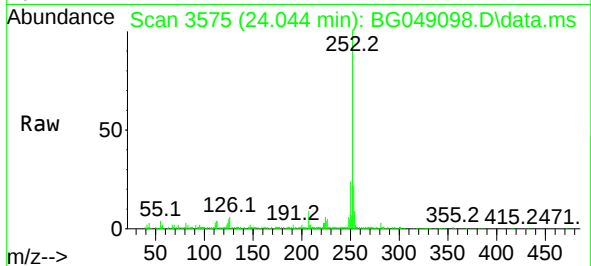




#89
Benzo(k)fluoranthene
Concen: 15.106 ng
RT: 24.044 min Scan# 3575
Delta R.T. -0.084 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

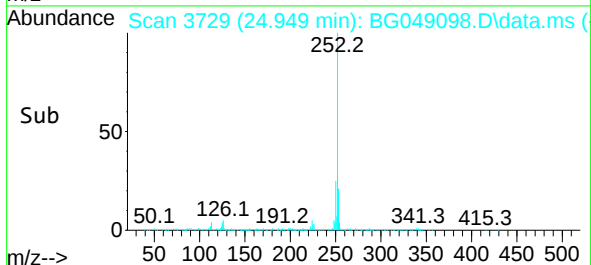
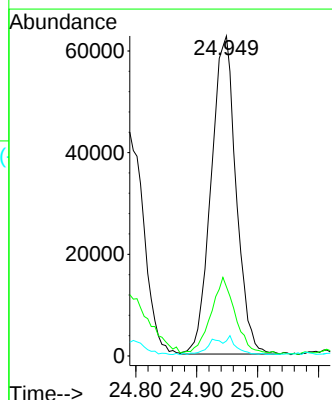
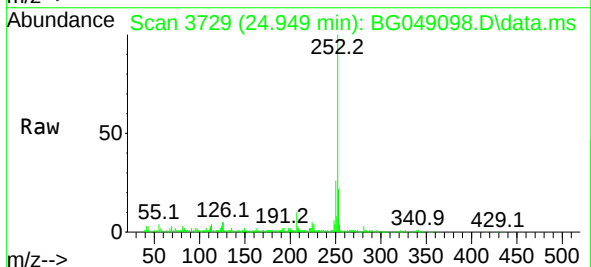
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-2A

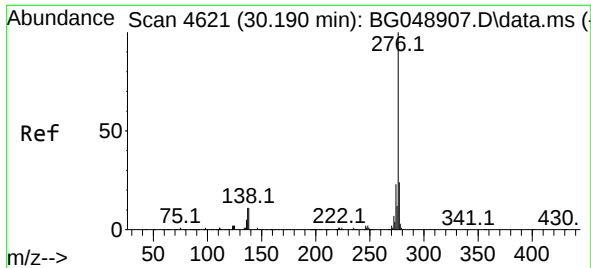
Tgt Ion:252 Resp: 242662
Ion Ratio Lower Upper
252 100
253 21.9 18.0 27.0
125 5.2 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 11.528 ng
RT: 24.949 min Scan# 3729
Delta R.T. -0.002 min
Lab File: BG049098.D
Acq: 25 Jun 2021 20:04

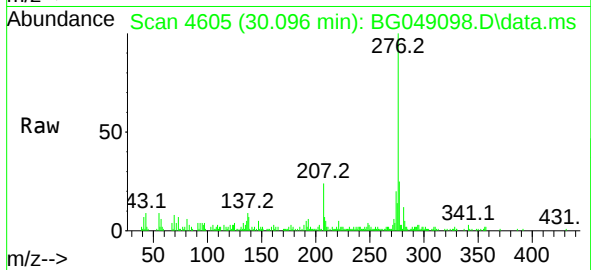
Tgt Ion:252 Resp: 178170
Ion Ratio Lower Upper
252 100
253 21.6 16.6 25.0
125 4.7 3.5 5.3





#92
 Benzo(g,h,i)perylene
 Concen: 7.596 ng
 RT: 30.096 min Scan# 4605
 Delta R.T. -0.013 min
 Lab File: BG049098.D
 Acq: 25 Jun 2021 20:04

Instrument :
 BNA_G
 ClientSampleId :
 15B-STOCKPILE-2A



Tgt Ion:276 Resp: 114424
 Ion Ratio Lower Upper
 276 100
 277 24.9 18.4 27.6
 138 7.4 7.0 10.6

