

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
 Data File : BG056548.D
 Acq On : 3 Feb 2023 21:17
 Operator : CG/JU
 Sample : 01390-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 STOCKPILE-1

Quant Time: Feb 04 05:14:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

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

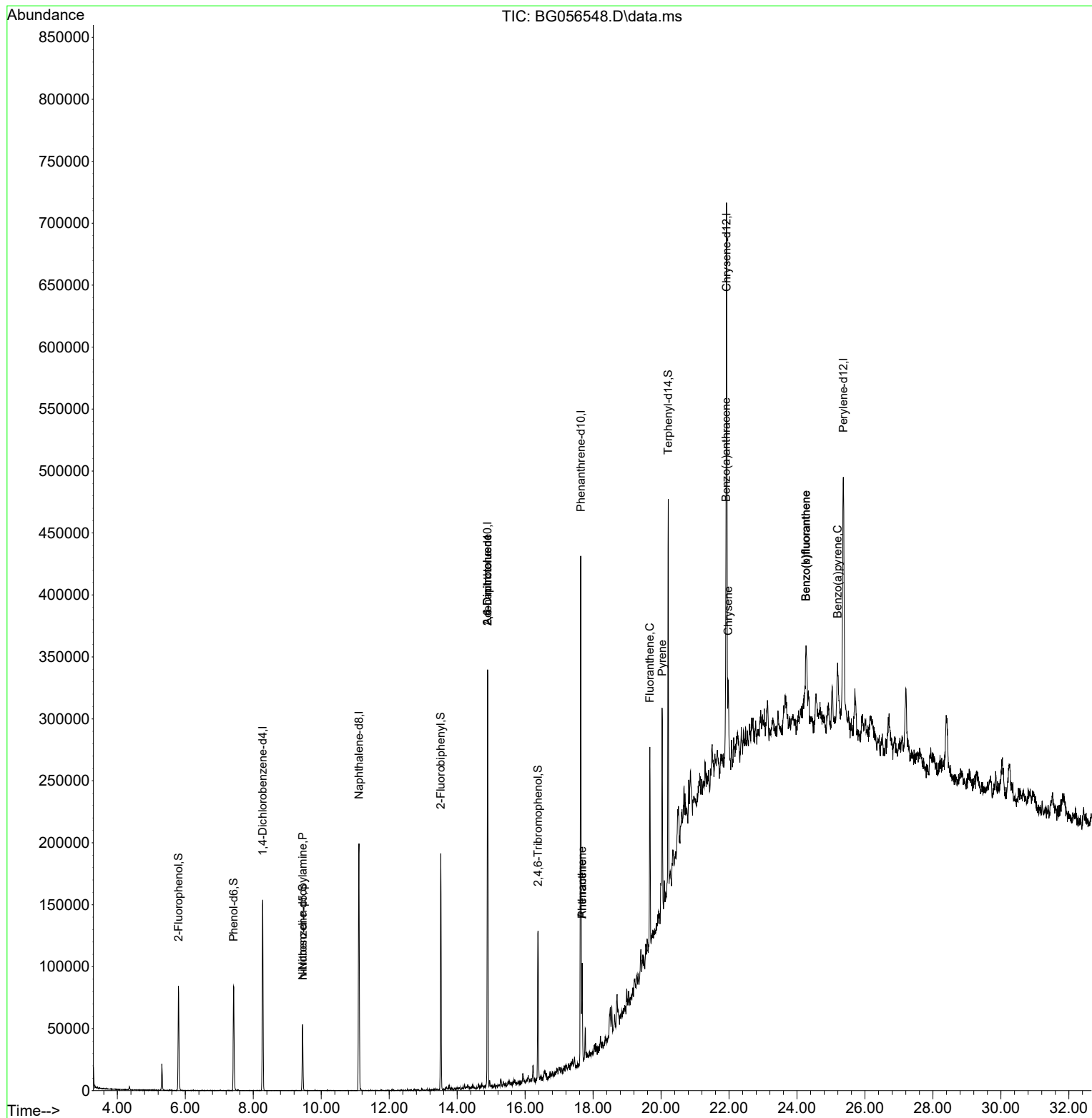
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.277	152	53761	20.000	ng	# 0.00
21) Naphthalene-d8	11.109	136	193020	20.000	ng	0.00
39) Acenaphthene-d10	14.893	164	132477	20.000	ng	0.00
64) Phenanthrene-d10	17.637	188	294220	20.000	ng	0.00
76) Chrysene-d12	21.926	240	280121	20.000	ng	0.00
86) Perylene-d12	25.363	264	276306	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	54626	18.692	ng	0.00
7) Phenol-d6	7.419	99	72999	16.858	ng	0.00
23) Nitrobenzene-d5	9.452	82	37884	11.145	ng	0.00
42) 2,4,6-Tribromophenol	16.379	330	26870	15.257	ng	0.00
45) 2-Fluorobiphenyl	13.518	172	108510	11.356	ng	0.00
79) Terphenyl-d14	20.210	244	160650	10.073	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.452	70	5126	2.054	ng	# 69
51) 2,6-Dinitrotoluene	14.893	165	17719	7.581	ng	# 38
57) 2,4-Dinitrotoluene	14.893	165	17719	5.382	ng	# 37
71) Phenanthrene	17.678	178	54373	3.531	ng	99
72) Anthracene	17.678	178	54373	3.440	ng	97
75) Fluoranthene	19.669	202	112362	5.781	ng	99
78) Pyrene	20.034	202	111335	5.588	ng	97
81) Benzo(a)anthracene	21.908	228	58495	2.987	ng	# 92
83) Chrysene	21.973	228	59221	3.219	ng	# 95
88) Benzo(b)fluoranthene	24.264	252	73186	4.267	ng	# 74
89) Benzo(k)fluoranthene	24.264	252	73186	4.227	ng	# 71
90) Benzo(a)pyrene	25.192	252	53604	3.173	ng	# 82

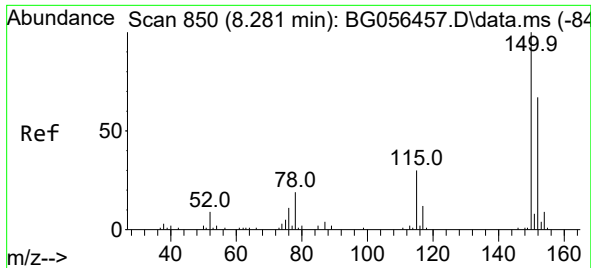
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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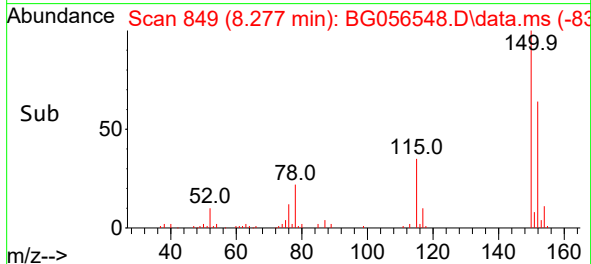
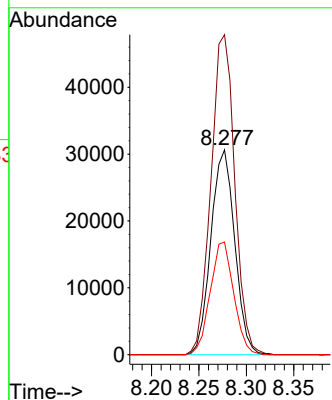
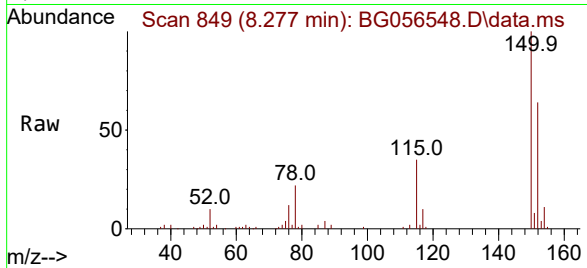




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.277 min Scan# 84
Delta R.T. 0.002 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17

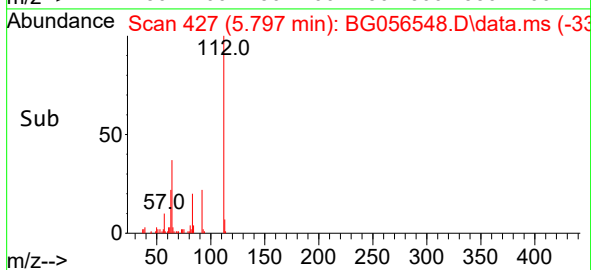
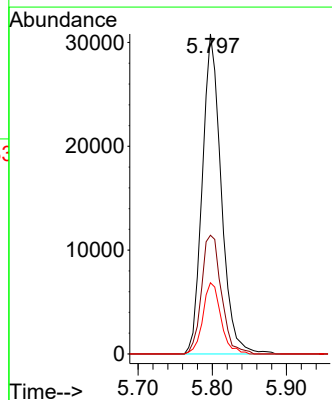
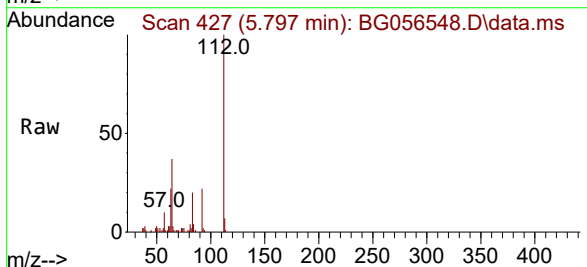
Instrument :
BNA_G
ClientSampleId :
STOCKPILE-1

Tgt Ion:152 Resp: 53761
Ion Ratio Lower Upper
152 100
150 156.3 120.2 180.4
115 55.0 36.3 54.5#



#5
2-Fluorophenol
Concen: 18.692 ng
RT: 5.797 min Scan# 427
Delta R.T. 0.001 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17

Tgt Ion:112 Resp: 54626
Ion Ratio Lower Upper
112 100
64 37.1 31.9 47.9
63 22.2 17.4 26.0





#7

Phenol-d6

Concen: 16.858 ng

RT: 7.419 min Scan# 70

Delta R.T. 0.001 min

Lab File: BG056548.D

Acq: 3 Feb 2023 21:17

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-1

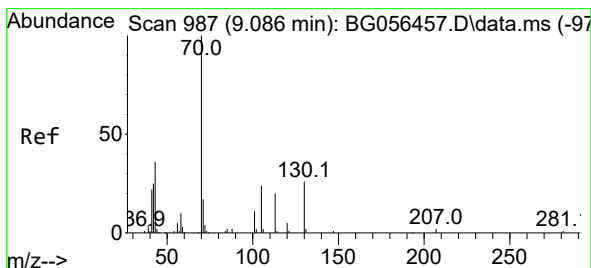
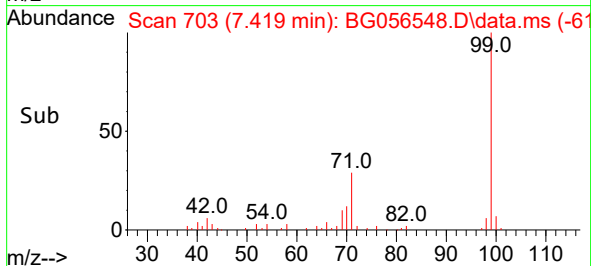
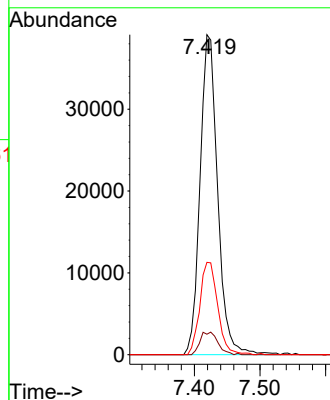
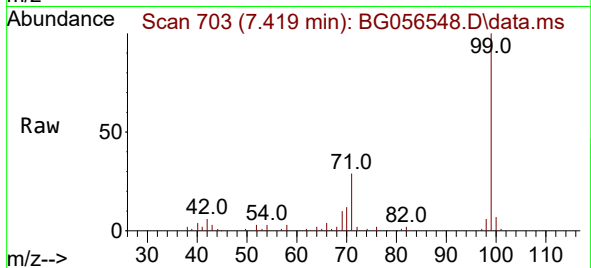
Tgt Ion: 99 Resp: 72999

Ion Ratio Lower Upper

99 100

42 6.4 6.6 10.0#

71 28.9 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.054 ng

RT: 9.452 min Scan# 1049

Delta R.T. 0.372 min

Lab File: BG056548.D

Acq: 3 Feb 2023 21:17

Tgt Ion: 70 Resp: 5126

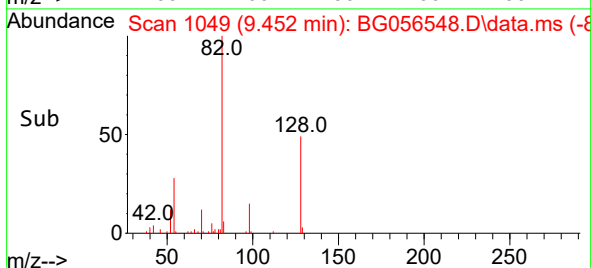
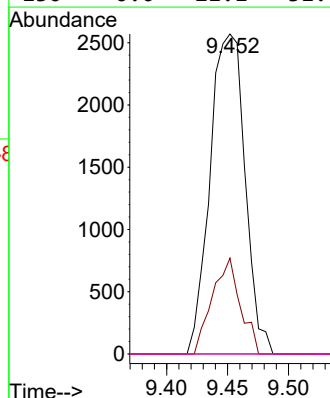
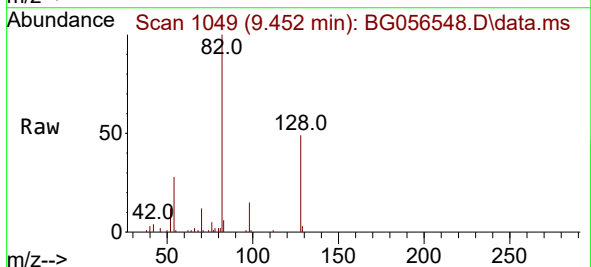
Ion Ratio Lower Upper

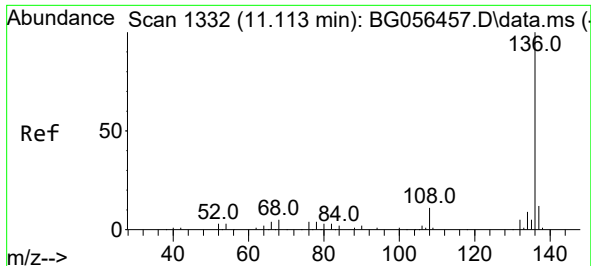
70 100

42 30.0 20.2 30.4

101 0.0 9.1 13.7#

130 0.0 21.1 31.7#

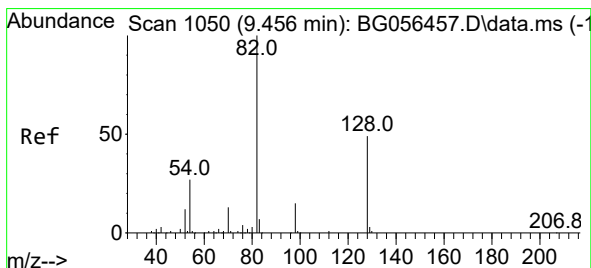
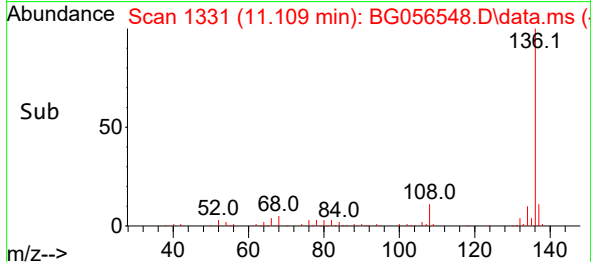
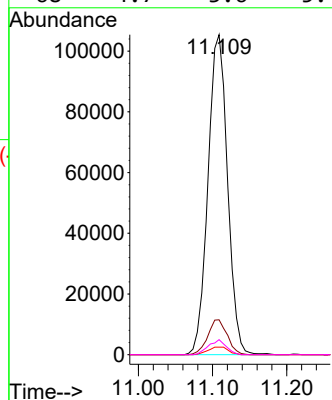
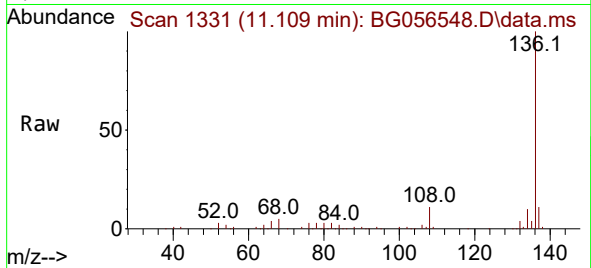




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.109 min Scan# 1110
Delta R.T. 0.001 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17

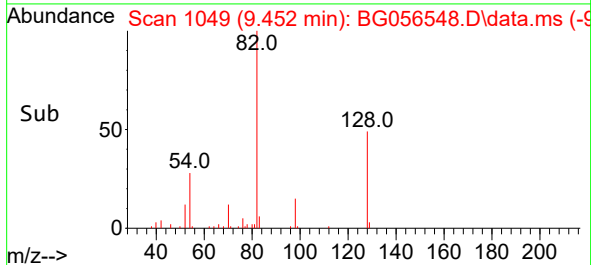
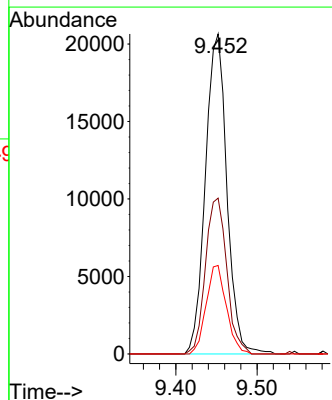
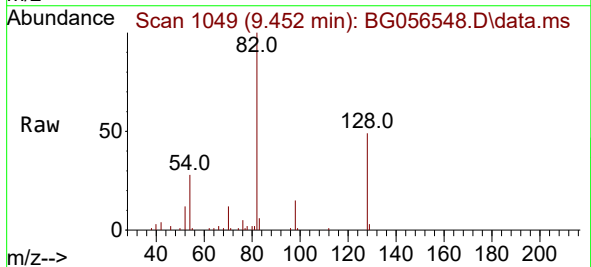
Instrument :
BNA_G
ClientSampleId :
STOCKPILE-1

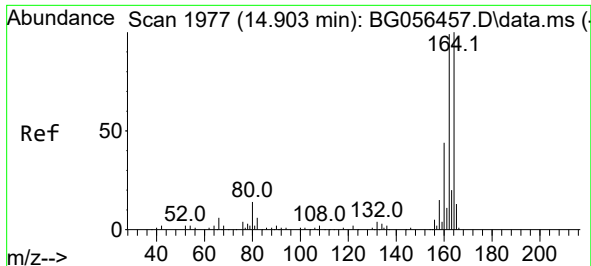
Tgt Ion:136 Resp: 193020
Ion Ratio Lower Upper
136 100
137 10.9 9.4 14.0
54 2.4 2.2 3.4
68 4.7 3.6 5.4



#23
Nitrobenzene-d5
Concen: 11.145 ng
RT: 9.452 min Scan# 1049
Delta R.T. -0.004 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17

Tgt Ion: 82 Resp: 37884
Ion Ratio Lower Upper
82 100
128 48.7 39.4 59.2
54 27.7 21.4 32.2

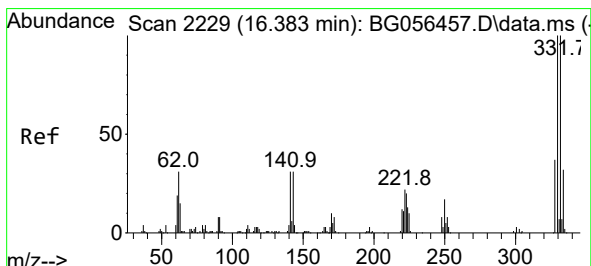
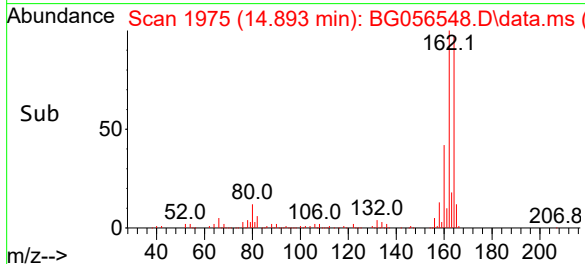
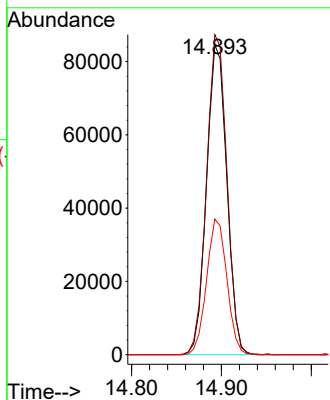
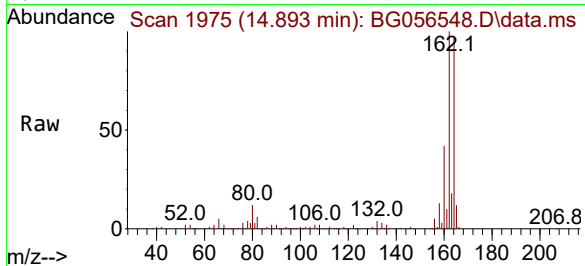




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.893 min Scan# 1977
Delta R.T. -0.004 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17

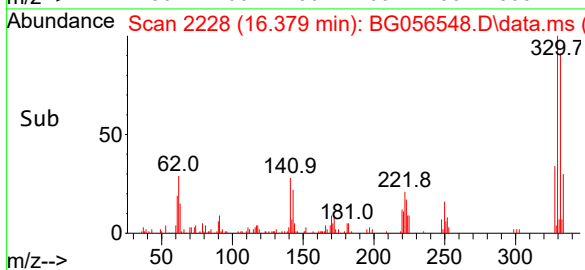
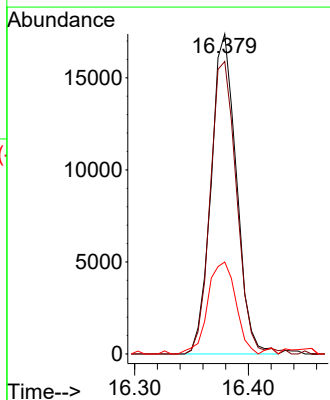
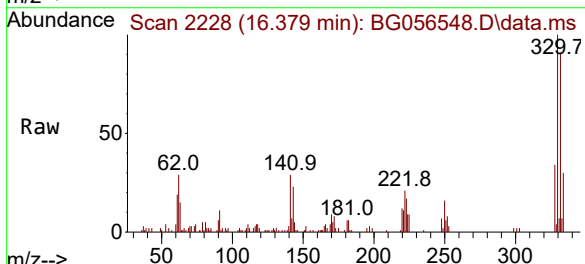
Instrument :
BNA_G
ClientSampleId :
STOCKPILE-1

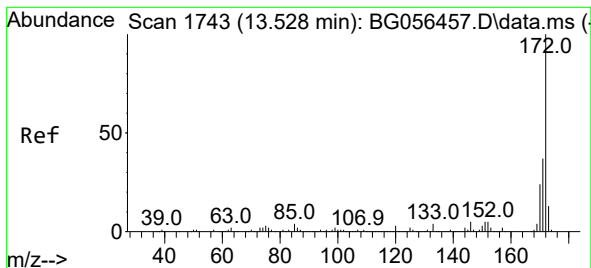
Tgt Ion:164 Resp: 132477
Ion Ratio Lower Upper
164 100
162 103.2 79.6 119.4
160 43.7 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 15.257 ng
RT: 16.379 min Scan# 2228
Delta R.T. 0.001 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17

Tgt Ion:330 Resp: 26870
Ion Ratio Lower Upper
330 100
332 95.3 79.0 118.6
141 31.8 24.2 36.4





#45

2-Fluorobiphenyl

Concen: 11.356 ng

RT: 13.518 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG056548.D

Acq: 3 Feb 2023 21:17

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-1

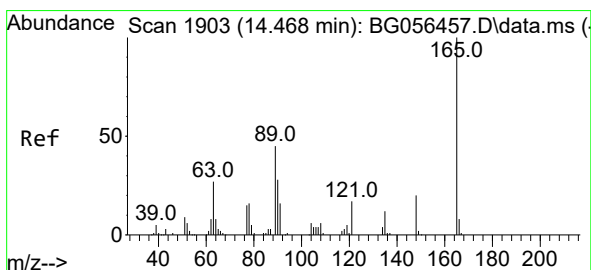
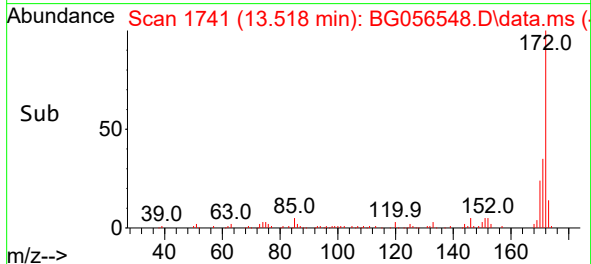
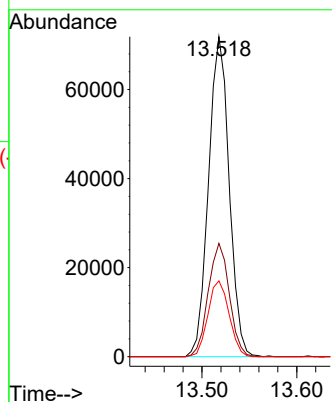
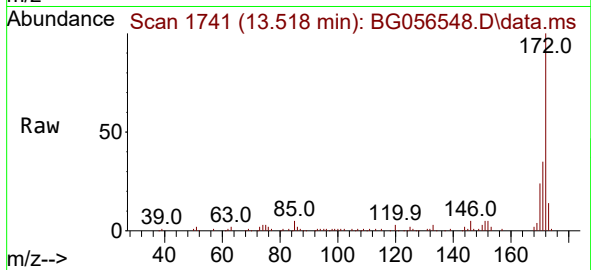
Tgt Ion:172 Resp: 108510

Ion Ratio Lower Upper

172 100

171 35.4 29.5 44.3

170 23.7 19.2 28.8



#51

2,6-Dinitrotoluene

Concen: 7.581 ng

RT: 14.893 min Scan# 1975

Delta R.T. 0.424 min

Lab File: BG056548.D

Acq: 3 Feb 2023 21:17

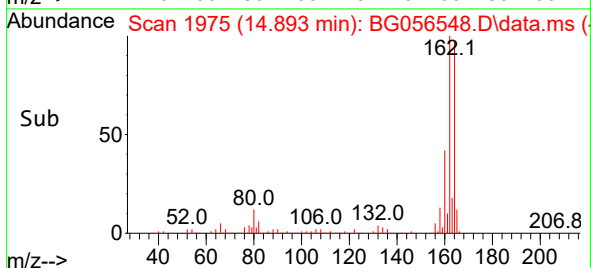
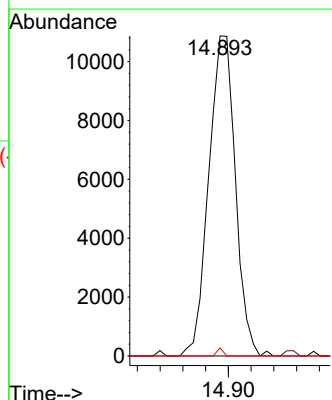
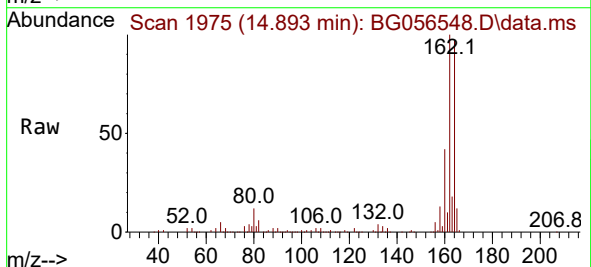
Tgt Ion:165 Resp: 17719

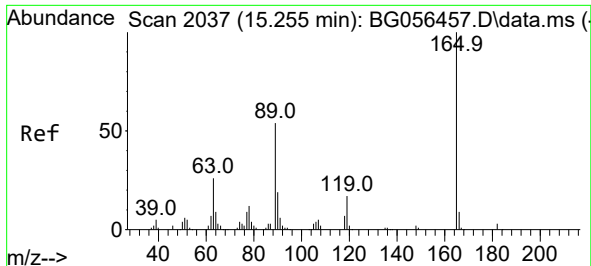
Ion Ratio Lower Upper

165 100

63 0.0 26.9 40.3#

89 2.6 35.6 53.4#





#57

2,4-Dinitrotoluene

Concen: 5.382 ng

RT: 14.893 min Scan# 14

Delta R.T. -0.357 min

Lab File: BG056548.D

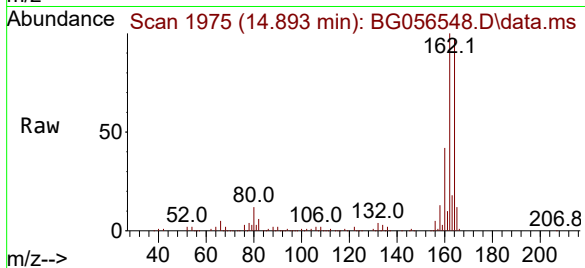
Acq: 3 Feb 2023 21:17

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-1



Tgt Ion:165 Resp: 17719

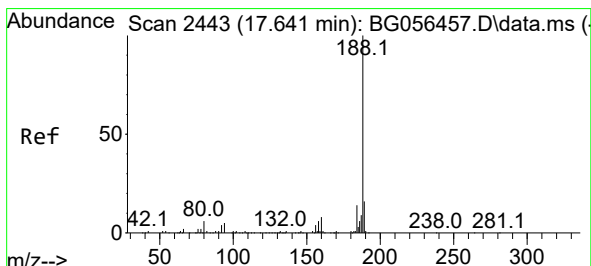
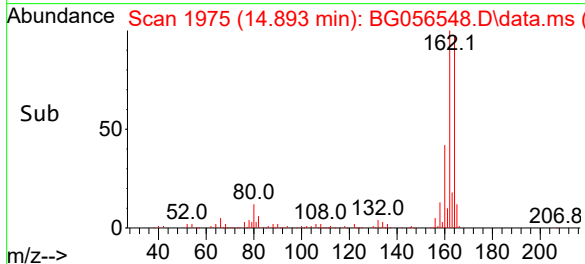
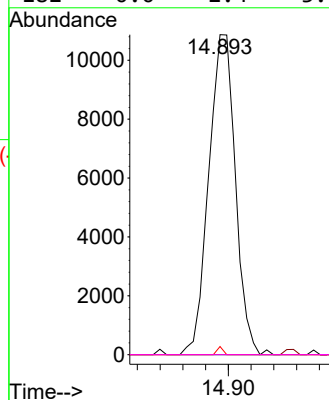
Ion Ratio Lower Upper

165 100

63 0.0 20.6 31.0#

89 2.6 43.1 64.7#

182 0.0 2.4 3.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.637 min Scan# 2442

Delta R.T. 0.001 min

Lab File: BG056548.D

Acq: 3 Feb 2023 21:17

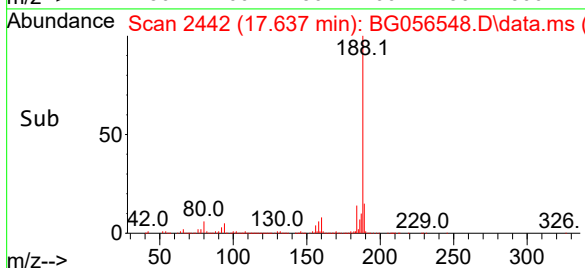
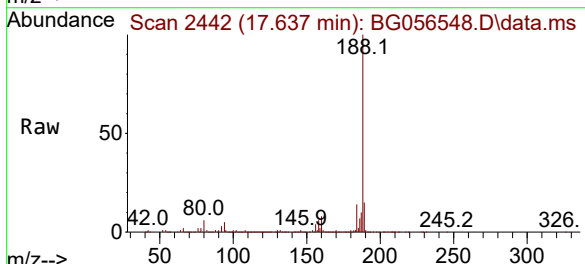
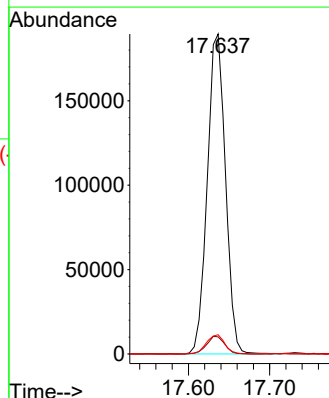
Tgt Ion:188 Resp: 294220

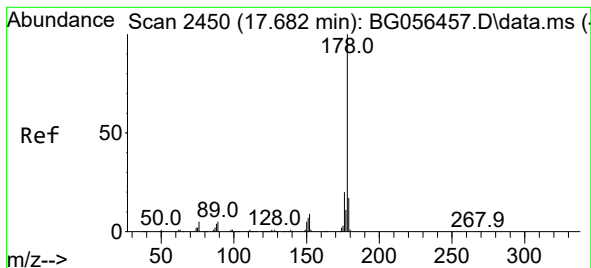
Ion Ratio Lower Upper

188 100

94 5.4 4.1 6.1

80 6.0 5.0 7.4





#71

Phenanthrene

Concen: 3.531 ng

RT: 17.678 min Scan# 2449

Delta R.T. 0.001 min

Lab File: BG056548.D

Acq: 3 Feb 2023 21:17

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-1

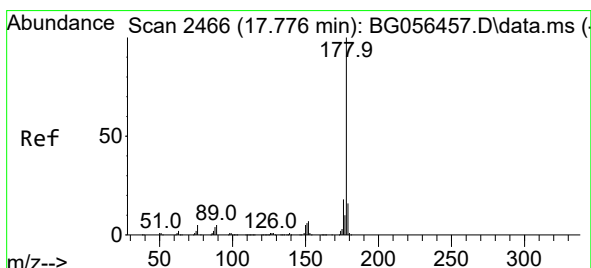
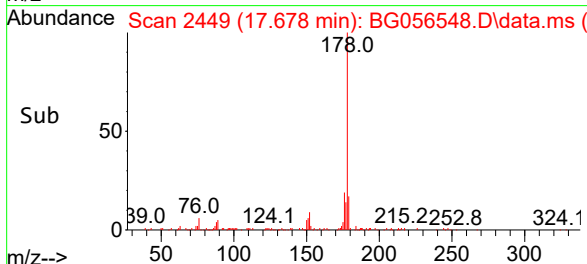
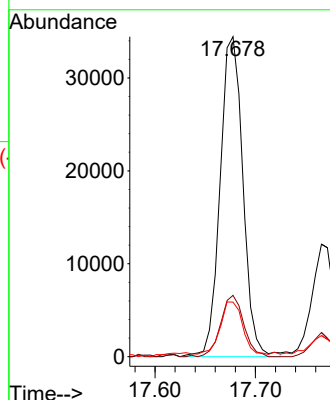
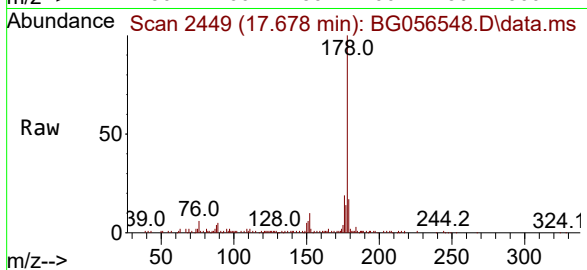
Tgt Ion:178 Resp: 54373

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

179 17.0 13.3 19.9



#72

Anthracene

Concen: 3.440 ng

RT: 17.678 min Scan# 2449

Delta R.T. -0.093 min

Lab File: BG056548.D

Acq: 3 Feb 2023 21:17

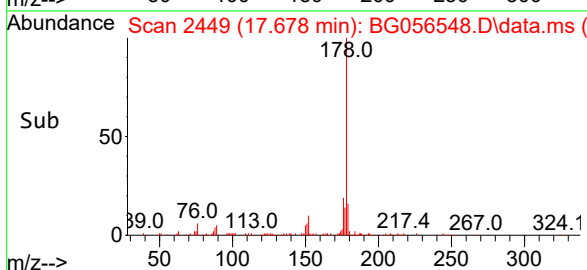
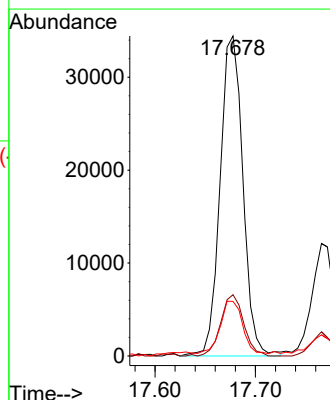
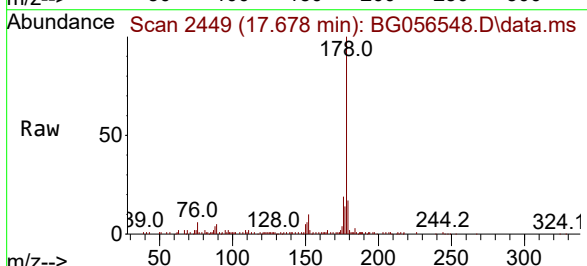
Tgt Ion:178 Resp: 54373

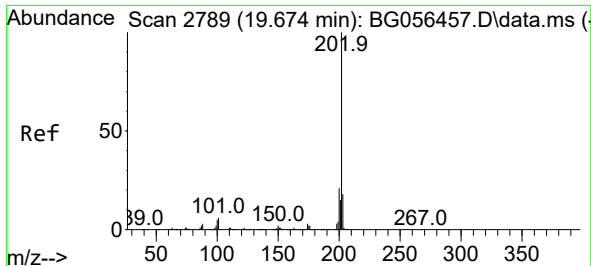
Ion Ratio Lower Upper

178 100

176 19.2 14.5 21.7

179 17.0 12.5 18.7

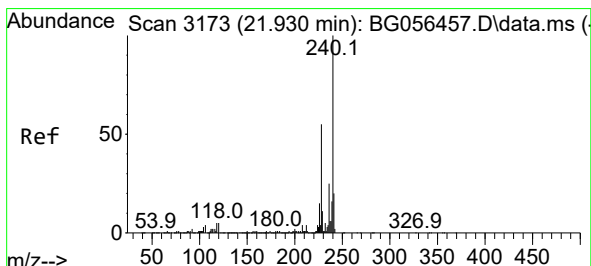
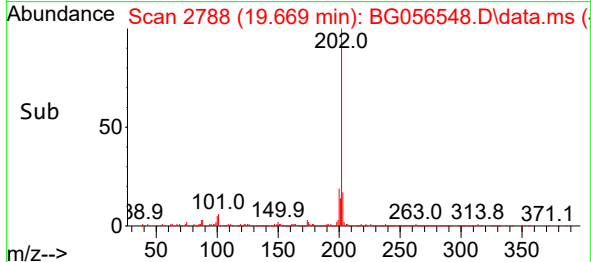
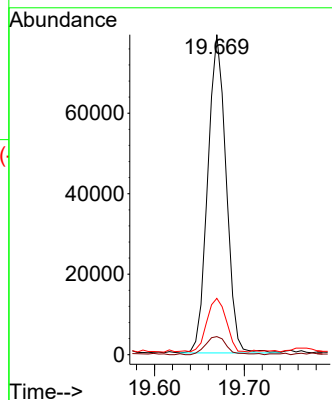
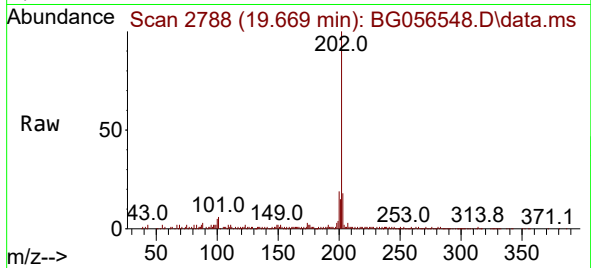




#75
Fluoranthene
Concen: 5.781 ng
RT: 19.669 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17

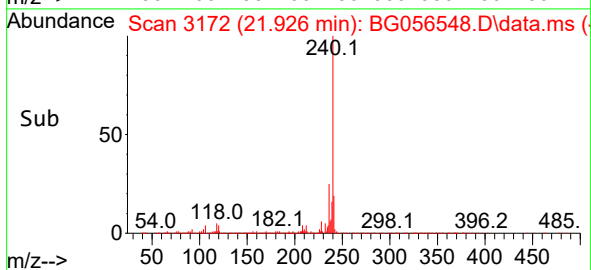
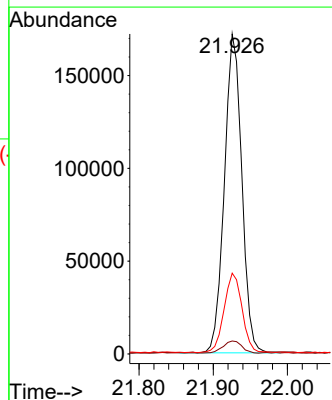
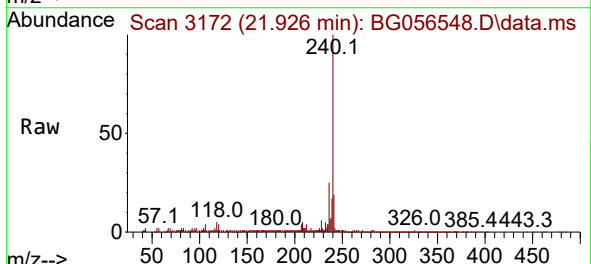
Instrument :
BNA_G
ClientSampleId :
STOCKPILE-1

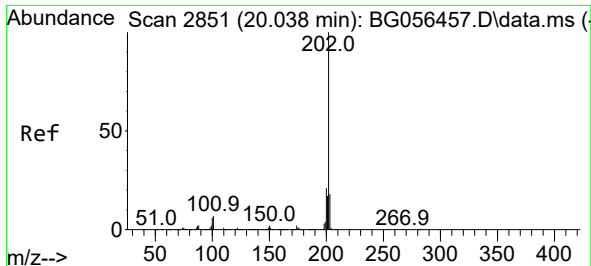
Tgt Ion:202 Resp: 112362
Ion Ratio Lower Upper
202 100
101 5.6 0.0 25.6
203 17.6 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.926 min Scan# 3172
Delta R.T. 0.001 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17

Tgt Ion:240 Resp: 280121
Ion Ratio Lower Upper
240 100
120 4.1 3.8 5.8
236 25.3 20.2 30.2

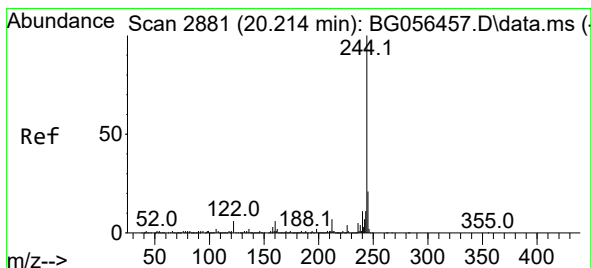
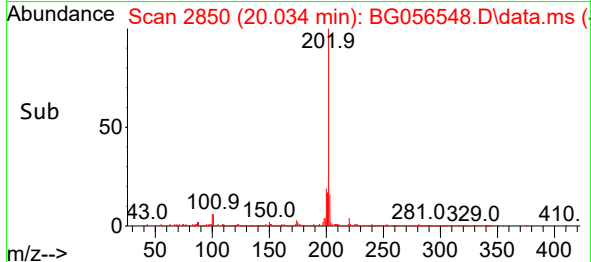
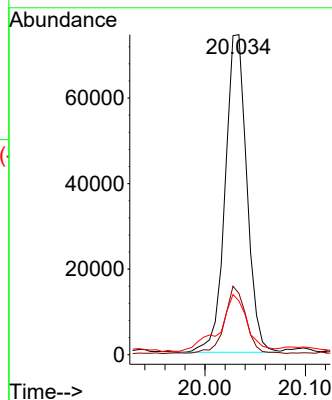
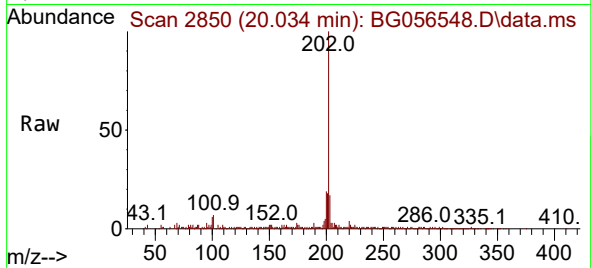




#78
Pyrene
Concen: 5.588 ng
RT: 20.034 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17

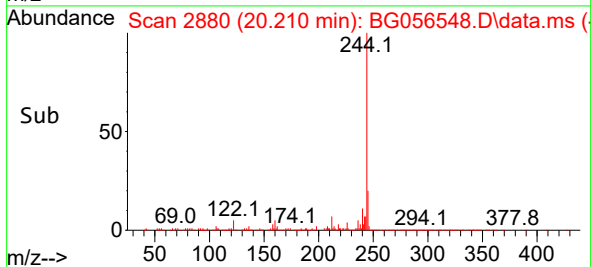
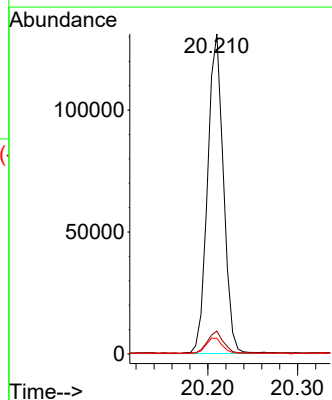
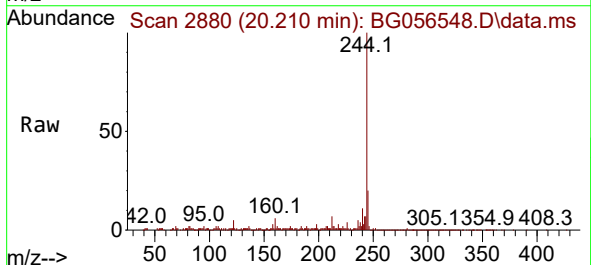
Instrument :
BNA_G
ClientSampleId :
STOCKPILE-1

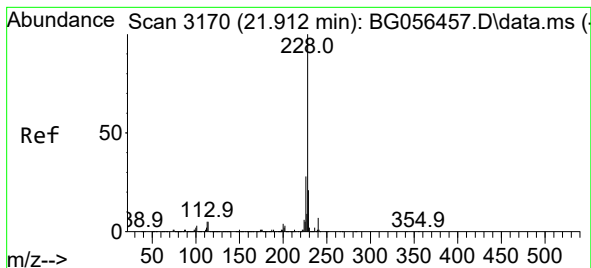
Tgt Ion:202 Resp: 111335
Ion Ratio Lower Upper
202 100
200 19.1 16.7 25.1
203 16.8 14.4 21.6



#79
Terphenyl-d14
Concen: 10.073 ng
RT: 20.210 min Scan# 2880
Delta R.T. 0.001 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17

Tgt Ion:244 Resp: 160650
Ion Ratio Lower Upper
244 100
212 7.1 5.5 8.3
122 4.9 4.4 6.6





#81

Benzo(a)anthracene

Concen: 2.987 ng

RT: 21.908 min Scan# 3169

Delta R.T. 0.007 min

Lab File: BG056548.D

Acq: 3 Feb 2023 21:17

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-1

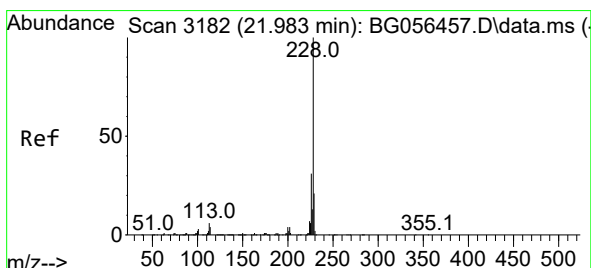
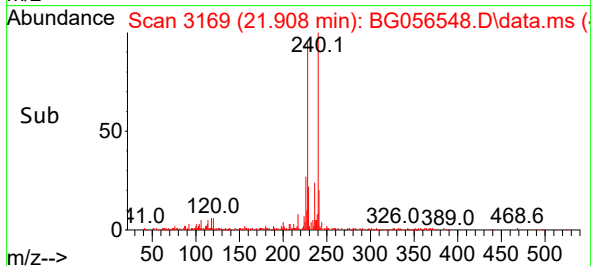
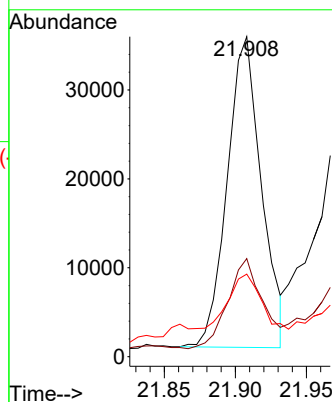
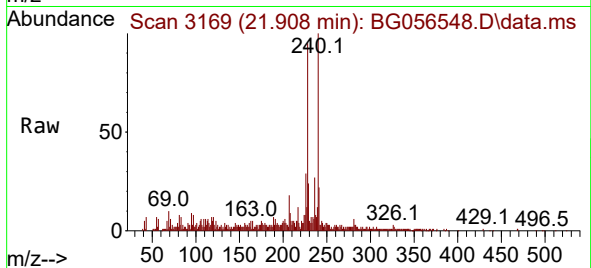
Tgt Ion:228 Resp: 58495

Ion Ratio Lower Upper

228 100

226 30.7 22.4 33.6

229 25.8 16.5 24.7#



#83

Chrysene

Concen: 3.219 ng

RT: 21.973 min Scan# 3180

Delta R.T. -0.004 min

Lab File: BG056548.D

Acq: 3 Feb 2023 21:17

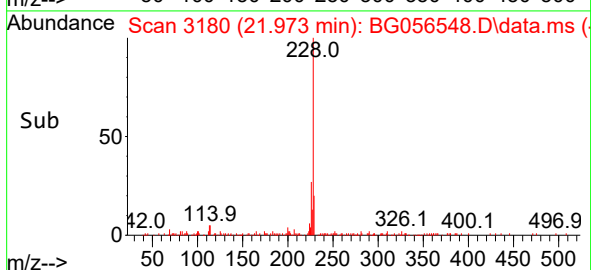
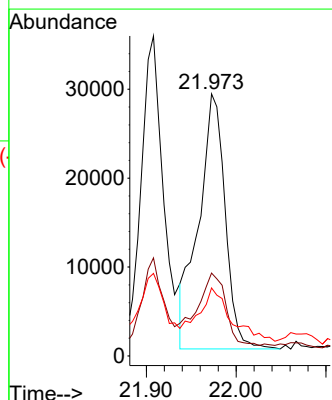
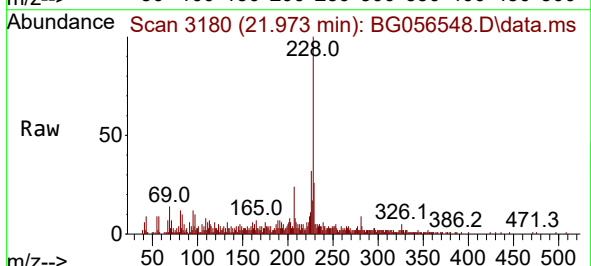
Tgt Ion:228 Resp: 59221

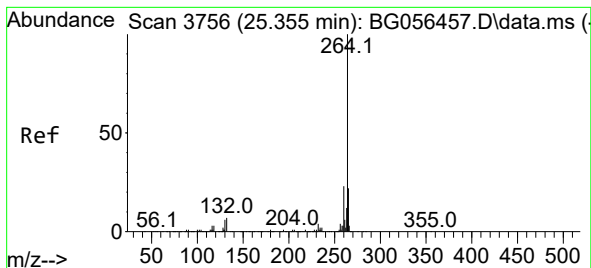
Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.4

229 26.0 16.4 24.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.363 min Scan# 3

Delta R.T. 0.019 min

Lab File: BG056548.D

Acq: 3 Feb 2023 21:17

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-1

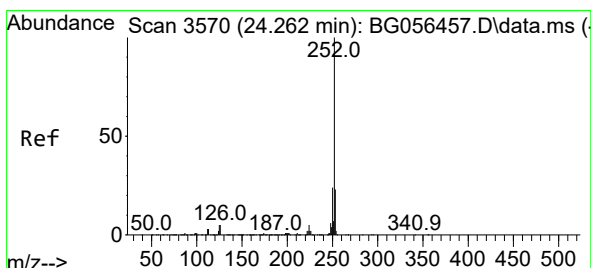
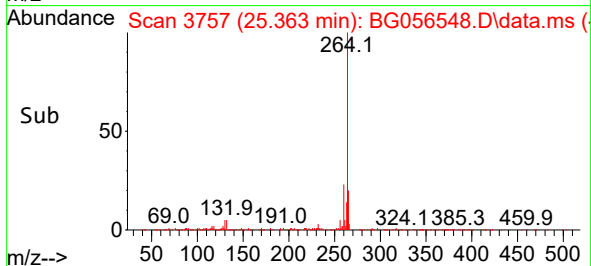
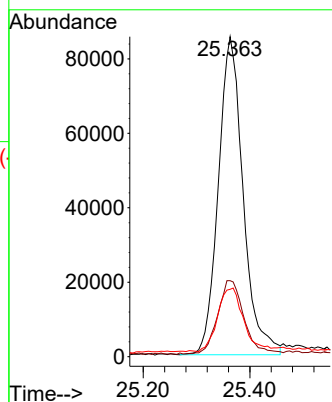
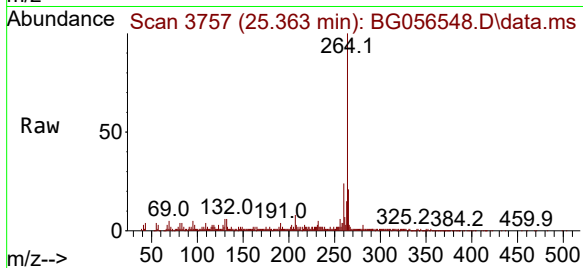
Tgt Ion:264 Resp: 276306

Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.4

265 21.1 18.1 27.1



#88

Benzo(b)fluoranthene

Concen: 4.267 ng

RT: 24.264 min Scan# 3570

Delta R.T. 0.013 min

Lab File: BG056548.D

Acq: 3 Feb 2023 21:17

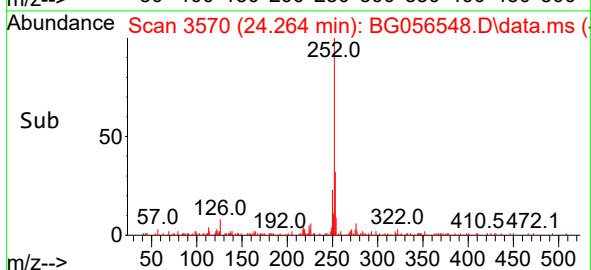
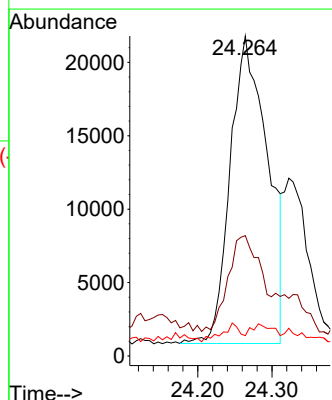
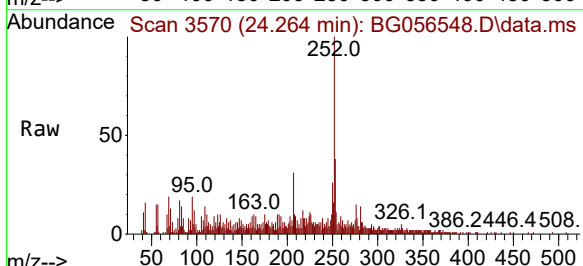
Tgt Ion:252 Resp: 73186

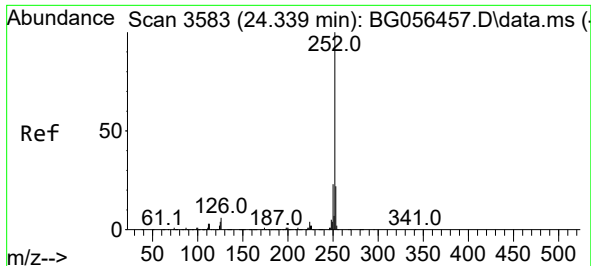
Ion Ratio Lower Upper

252 100

253 37.6 18.1 27.1#

125 6.3 3.9 5.9#

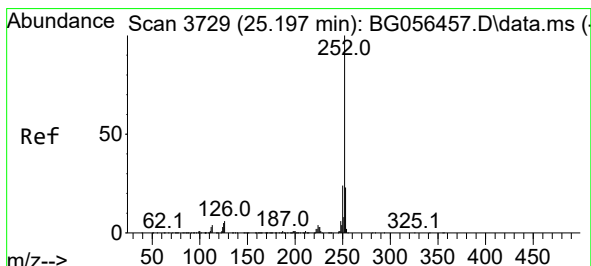
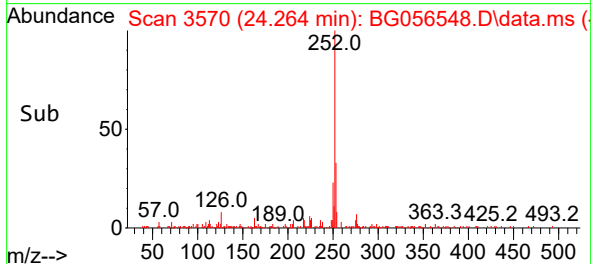
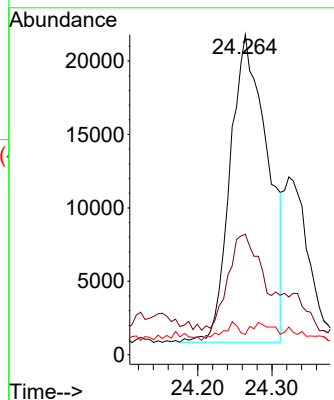
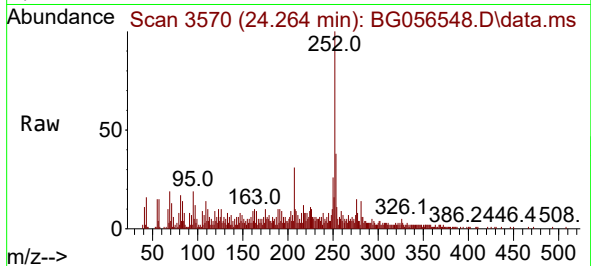




#89
Benzo(k)fluoranthene
Concen: 4.227 ng
RT: 24.264 min Scan# 31
Delta R.T. -0.057 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17

Instrument :
BNA_G
ClientSampleId :
STOCKPILE-1

Tgt Ion:252 Resp: 73186
Ion Ratio Lower Upper
252 100
253 37.6 17.5 26.3#
125 6.3 3.4 5.0#



#90
Benzo(a)pyrene
Concen: 3.173 ng
RT: 25.192 min Scan# 3728
Delta R.T. 0.007 min
Lab File: BG056548.D
Acq: 3 Feb 2023 21:17

Tgt Ion:252 Resp: 53604
Ion Ratio Lower Upper
252 100
253 32.2 18.4 27.6#
125 9.1 4.1 6.1#

