

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
 Data File : BG057707.D
 Acq On : 14 Jun 2023 14:25
 Operator : CG/JU
 Sample : 03141-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CMC-EME-Topsoil-003

Quant Time: Jun 15 01:21:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 14 03:52:08 2023
 Response via : Initial Calibration

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

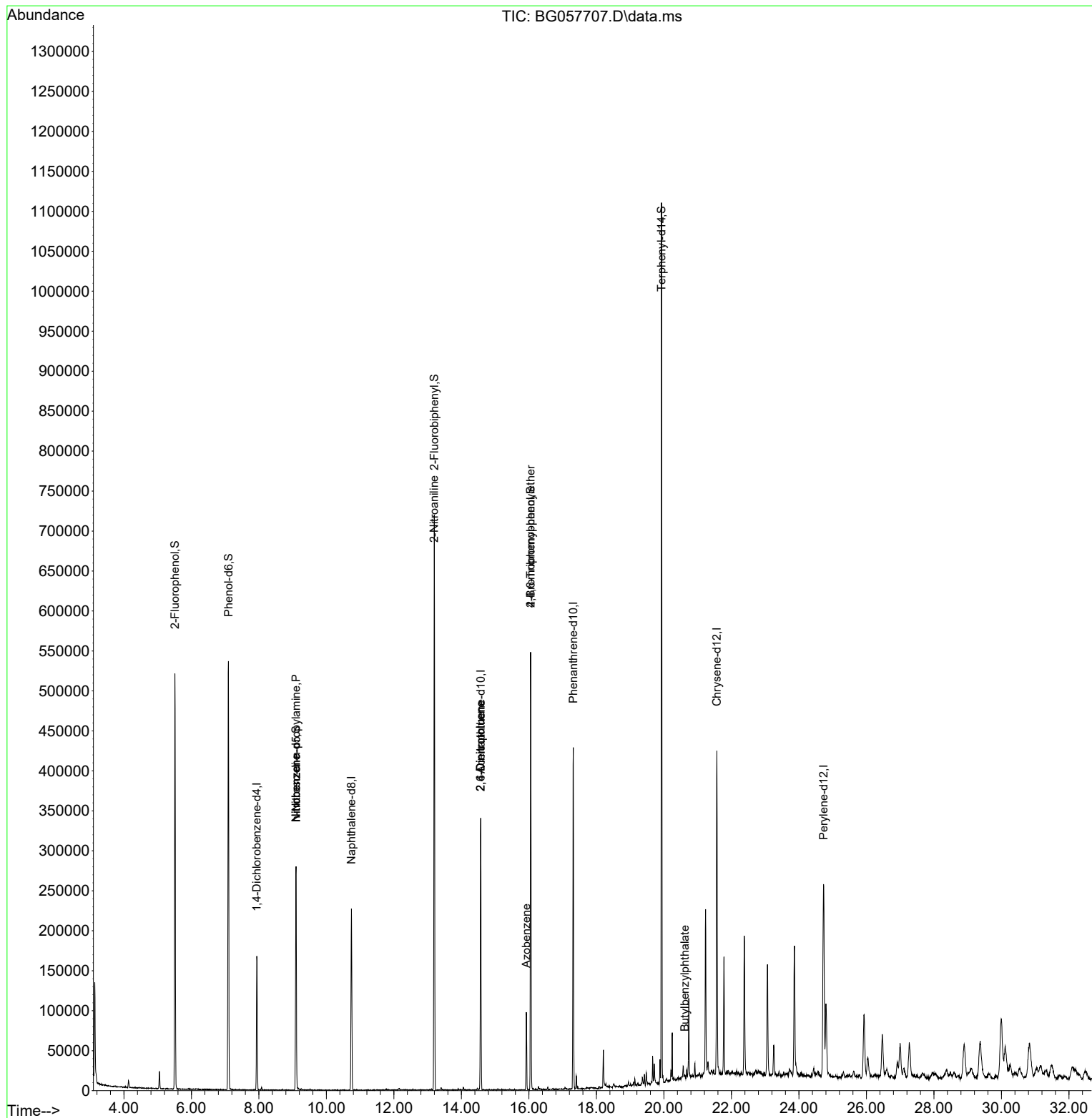
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	43796	20.000	ng	0.00
21) Naphthalene-d8	10.740	136	183963	20.000	ng	0.00
39) Acenaphthene-d10	14.571	164	117623	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	268210	20.000	ng	0.00
76) Chrysene-d12	21.568	240	219512	20.000	ng	0.00
86) Perylene-d12	24.729	264	262417	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.511	112	206363	76.724	ng	0.00
7) Phenol-d6	7.097	99	298403	72.217	ng	0.00
23) Nitrobenzene-d5	9.101	82	154083	57.635	ng	0.00
42) 2,4,6-Tribromophenol	16.051	330	101578	77.406	ng	0.00
45) 2-Fluorobiphenyl	13.196	172	381297	48.321	ng	0.00
79) Terphenyl-d14	19.929	244	539031	45.400	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.101	70	20522	6.869	ng	# 83
24) Nitrobenzene	9.101	77	549	5.225	ng	# 33
48) 2-Nitroaniline	13.190	65	806	4.700	ng	# 19
51) 2,6-Dinitrotoluene	14.565	165	15697	18.021	ng	# 14
57) 2,4-Dinitrotoluene	14.565	165	15697	14.949	ng	# 18
63) Azobenzene	15.922	77	28396	2.966	ng	# 1
67) 4-Bromophenyl-phenylether	16.051	248	6666	2.441	ng	# 1
80) Butylbenzylphthalate	20.617	149	465	4.181	ng	# 88

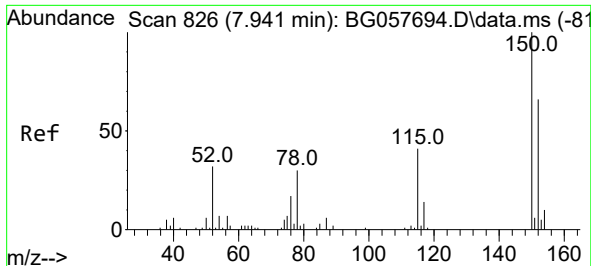
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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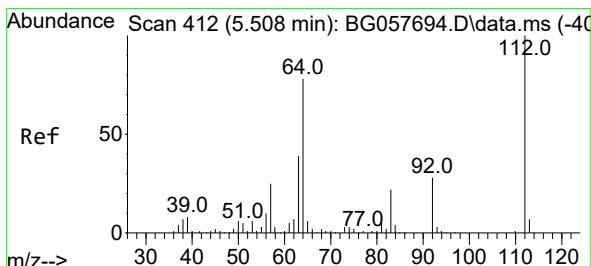
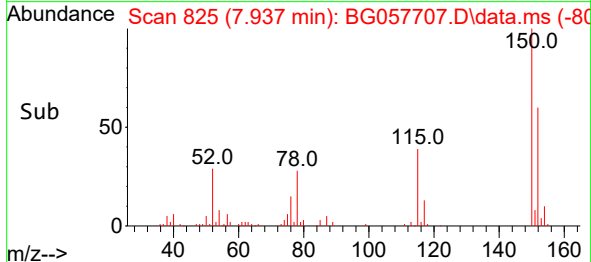
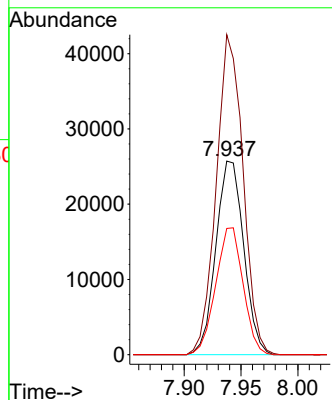
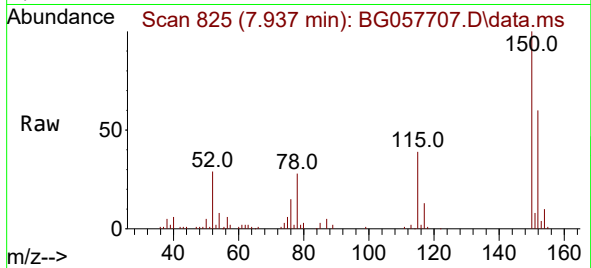




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG057707.D
Acq: 14 Jun 2023 14:25

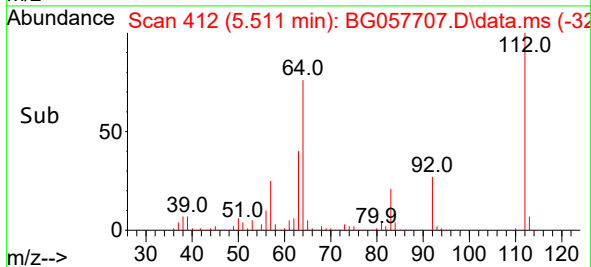
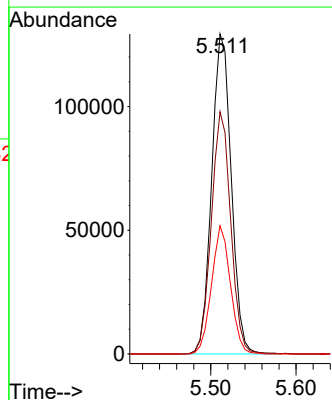
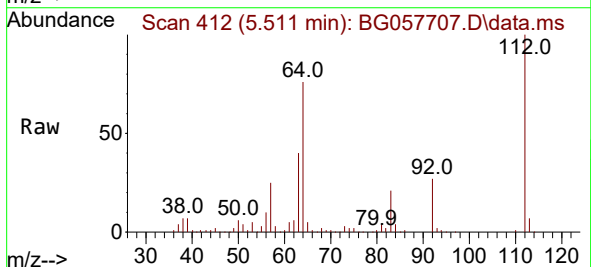
Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-003

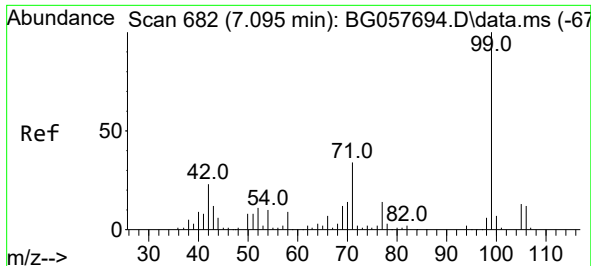
Tgt Ion:152 Resp: 43796
Ion Ratio Lower Upper
152 100
150 165.3 120.8 181.2
115 65.2 49.4 74.2



#5
2-Fluorophenol
Concen: 76.724 ng
RT: 5.511 min Scan# 412
Delta R.T. 0.002 min
Lab File: BG057707.D
Acq: 14 Jun 2023 14:25

Tgt Ion:112 Resp: 206363
Ion Ratio Lower Upper
112 100
64 75.7 62.3 93.5
63 40.1 31.5 47.3

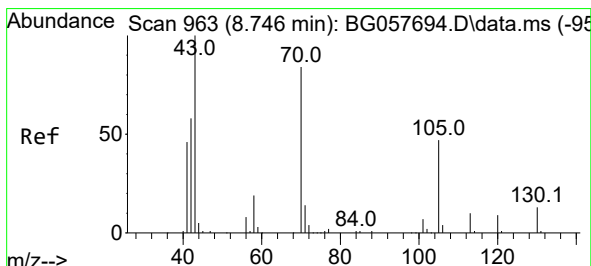
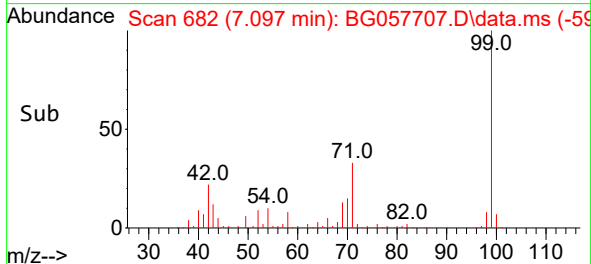
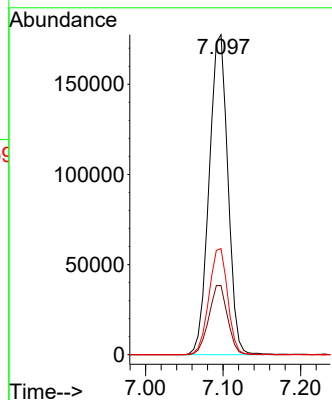
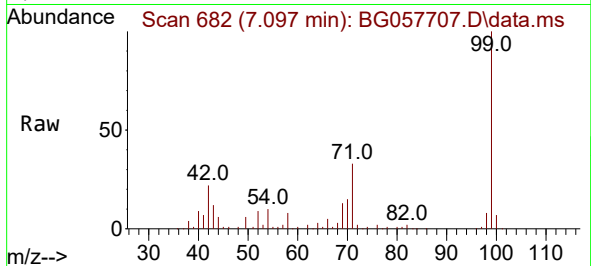




#7
Phenol-d6
Concen: 72.217 ng
RT: 7.097 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG057707.D
Acq: 14 Jun 2023 14:25

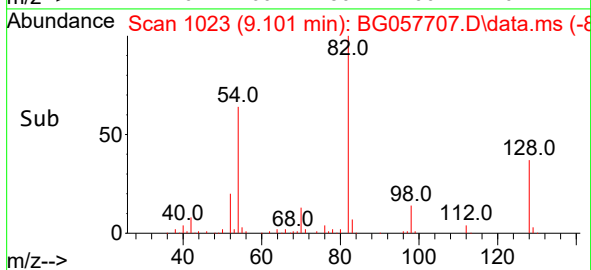
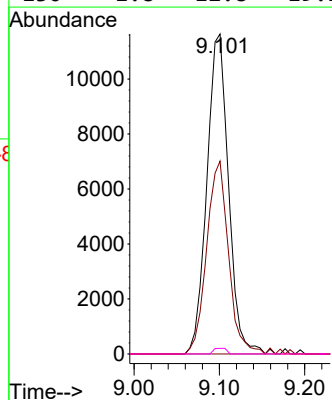
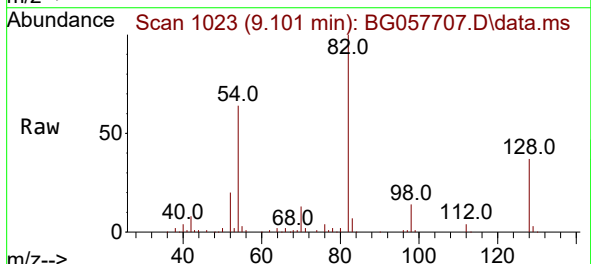
Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-003

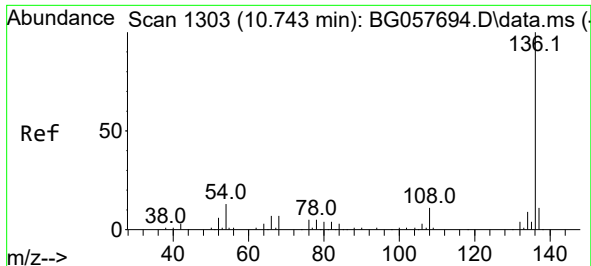
Tgt Ion: 99 Resp: 298403
Ion Ratio Lower Upper
99 100
42 21.6 18.3 27.5
71 33.2 27.5 41.3



#19
n-Nitroso-di-n-propylamine
Concen: 6.869 ng
RT: 9.101 min Scan# 1023
Delta R.T. 0.355 min
Lab File: BG057707.D
Acq: 14 Jun 2023 14:25

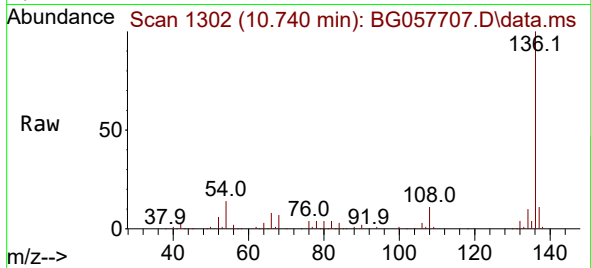
Tgt Ion: 70 Resp: 20522
Ion Ratio Lower Upper
70 100
42 60.3 56.6 84.8
101 0.0 6.2 9.4#
130 1.8 12.8 19.2#



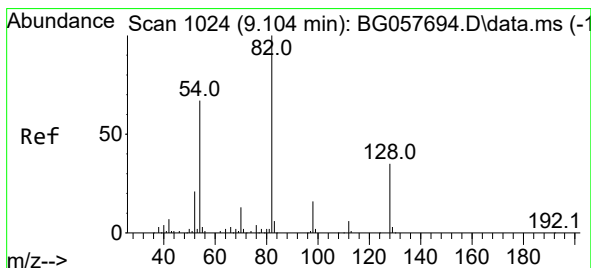
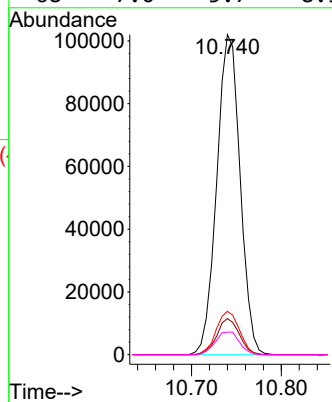
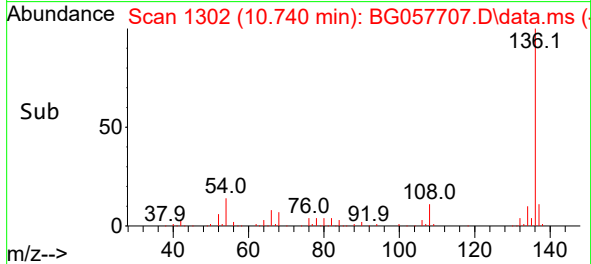


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.740 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG057707.D
Acq: 14 Jun 2023 14:25

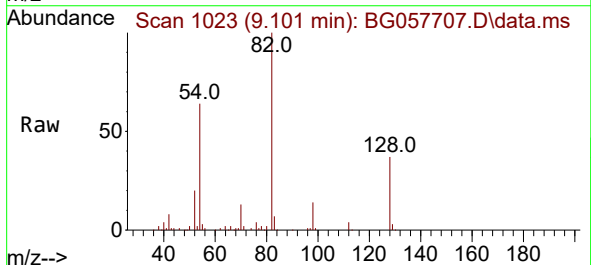
Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-003



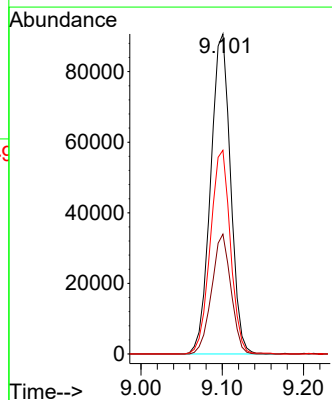
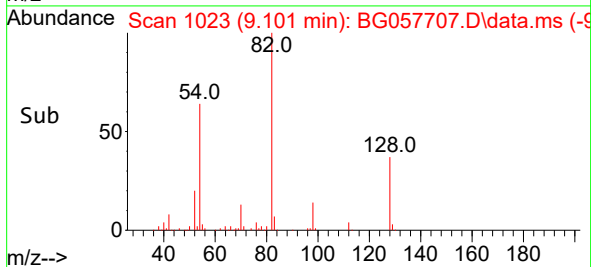
Tgt Ion:136 Resp: 183963
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 13.5 10.8 16.2
68 7.0 5.7 8.5

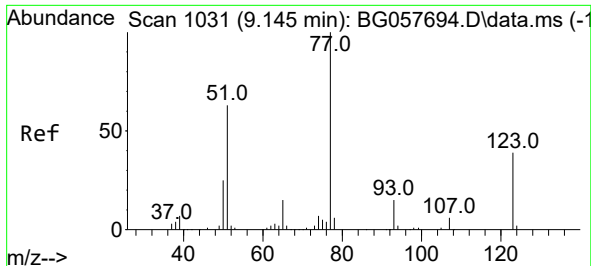


#23
Nitrobenzene-d5
Concen: 57.635 ng
RT: 9.101 min Scan# 1023
Delta R.T. -0.003 min
Lab File: BG057707.D
Acq: 14 Jun 2023 14:25



Tgt Ion: 82 Resp: 154083
Ion Ratio Lower Upper
82 100
128 37.5 27.7 41.5
54 63.6 53.8 80.8

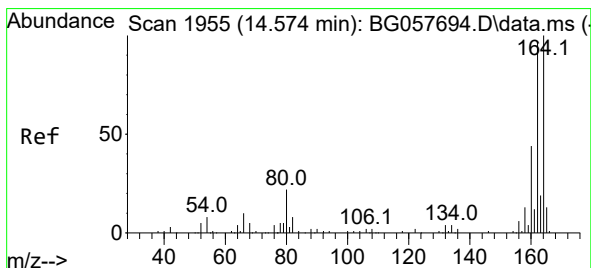
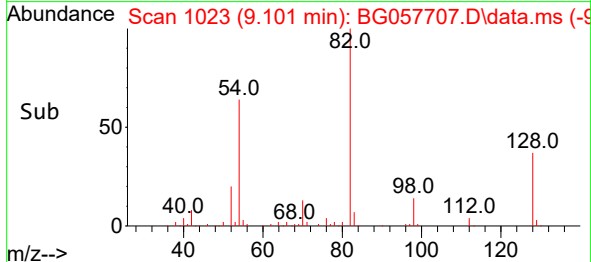
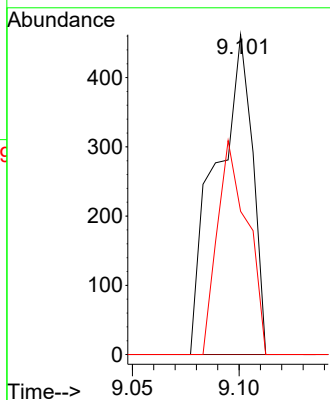
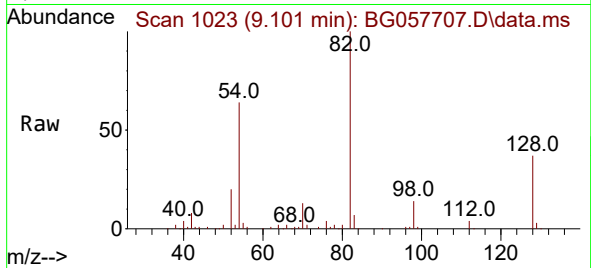




#24
Nitrobenzene
Concen: 5.225 ng
RT: 9.101 min Scan# 1031
Delta R.T. -0.044 min
Lab File: BG057707.D
Acq: 14 Jun 2023 14:25

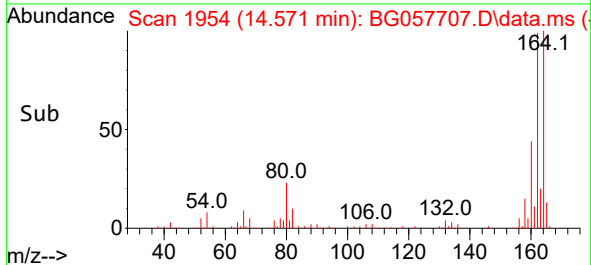
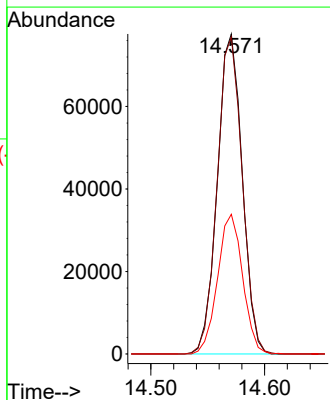
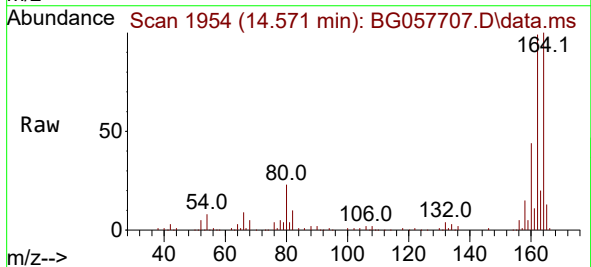
Instrument :
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ClientSampleId :
CMC-EME-Topsoil-003

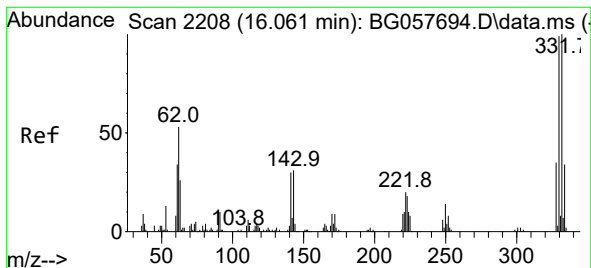
Tgt Ion: 77 Resp: 549
Ion Ratio Lower Upper
77 100
123 0.0 31.2 46.8#
65 44.8 11.6 17.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.571 min Scan# 1954
Delta R.T. -0.003 min
Lab File: BG057707.D
Acq: 14 Jun 2023 14:25

Tgt Ion:164 Resp: 117623
Ion Ratio Lower Upper
164 100
162 99.1 77.7 116.5
160 43.6 35.1 52.7

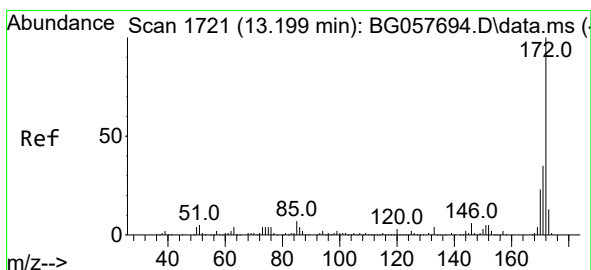
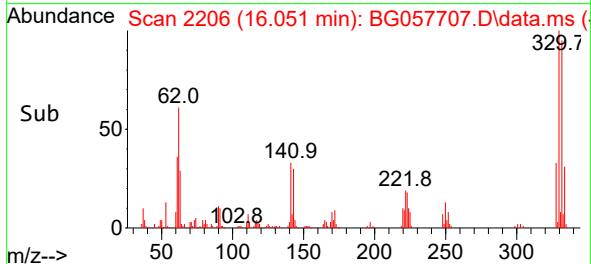
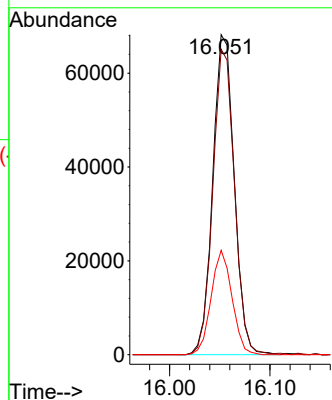
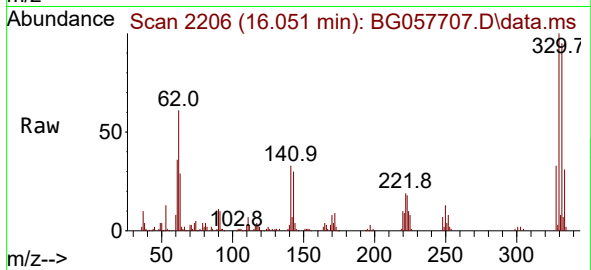




#42
 2,4,6-Tribromophenol
 Concen: 77.406 ng
 RT: 16.051 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: BG057707.D
 Acq: 14 Jun 2023 14:25

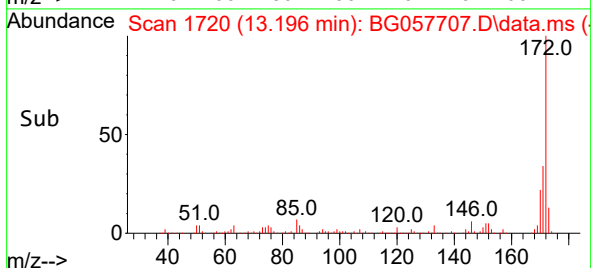
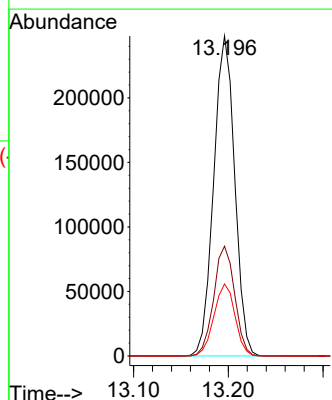
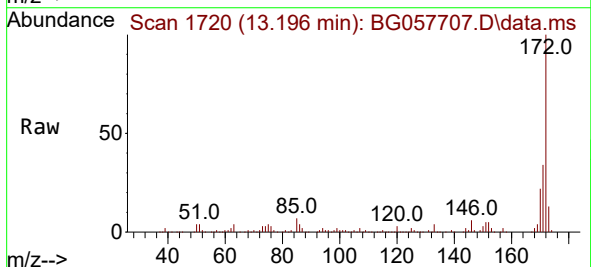
Instrument :
 BNA_G
 ClientSampleId :
 CMC-EME-Topsoil-003

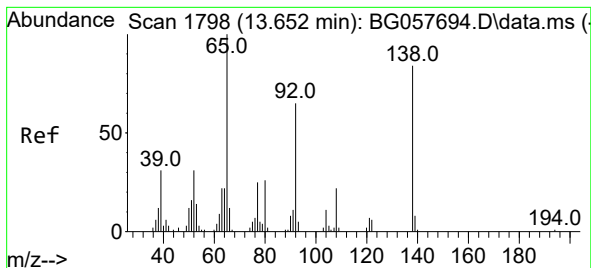
Tgt Ion:330 Resp: 101578
 Ion Ratio Lower Upper
 330 100
 332 95.7 79.0 118.6
 141 31.6 25.0 37.6



#45
 2-Fluorobiphenyl
 Concen: 48.321 ng
 RT: 13.196 min Scan# 1720
 Delta R.T. -0.003 min
 Lab File: BG057707.D
 Acq: 14 Jun 2023 14:25

Tgt Ion:172 Resp: 381297
 Ion Ratio Lower Upper
 172 100
 171 34.3 27.9 41.9
 170 22.5 18.2 27.4





#48

2-Nitroaniline

Concen: 4.700 ng

RT: 13.190 min Scan# 1

Delta R.T. -0.462 min

Lab File: BG057707.D

Acq: 14 Jun 2023 14:25

Instrument :

BNA_G

ClientSampleId :

CMC-EME-Topsoil-003

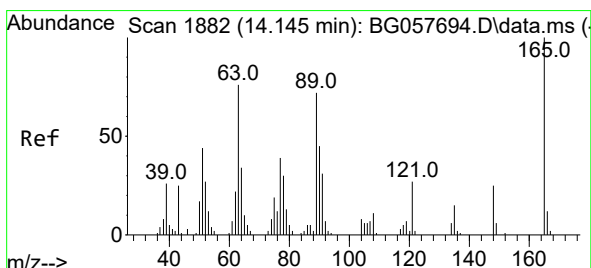
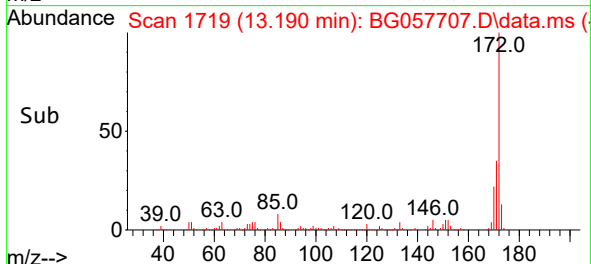
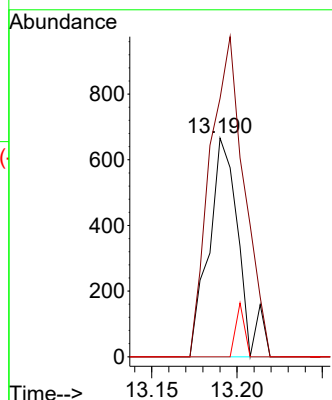
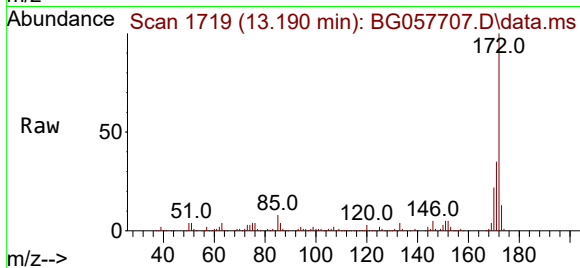
Tgt Ion: 65 Resp: 806

Ion Ratio Lower Upper

65 100

92 118.2 52.2 78.4#

138 0.0 67.0 100.4#



#51

2,6-Dinitrotoluene

Concen: 18.021 ng

RT: 14.565 min Scan# 1953

Delta R.T. 0.420 min

Lab File: BG057707.D

Acq: 14 Jun 2023 14:25

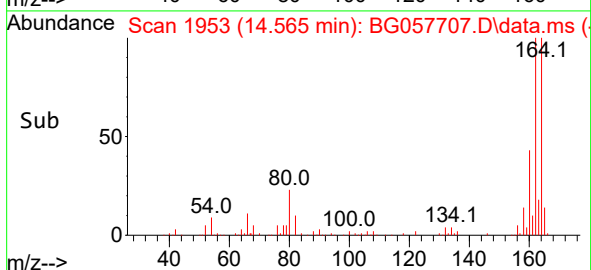
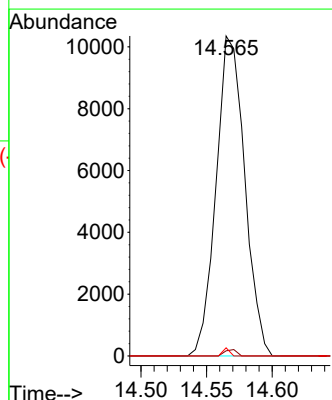
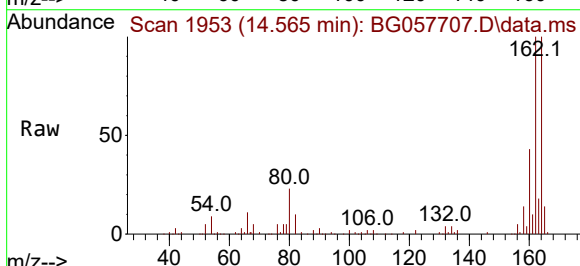
Tgt Ion:165 Resp: 15697

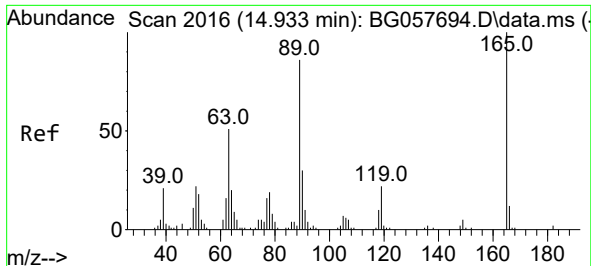
Ion Ratio Lower Upper

165 100

63 1.6 62.3 93.5#

89 2.6 57.4 86.0#





#57

2,4-Dinitrotoluene

Concen: 14.949 ng

RT: 14.565 min Scan# 1953

Delta R.T. -0.368 min

Lab File: BG057707.D

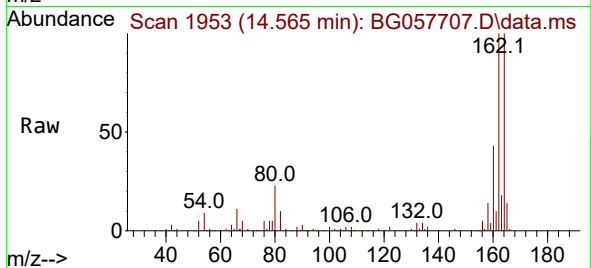
Acq: 14 Jun 2023 14:25

Instrument :

BNA_G

ClientSampleId :

CMC-EME-Topsoil-003



Tgt Ion:165 Resp: 15697

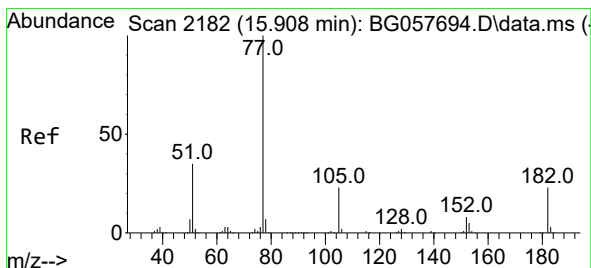
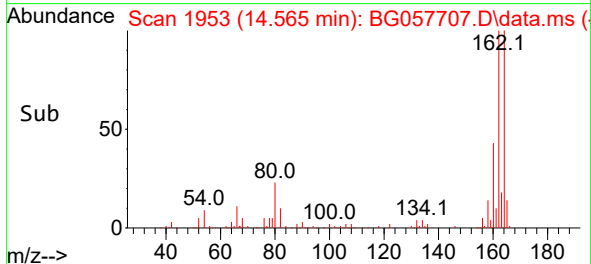
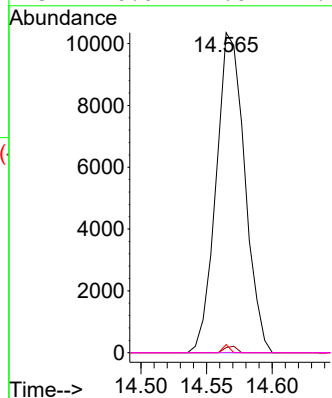
Ion Ratio Lower Upper

165 100

63 1.6 40.8 61.2#

89 2.6 68.5 102.7#

182 0.0 1.6 2.4#



#63

Azobenzene

Concen: 2.966 ng

RT: 15.922 min Scan# 2184

Delta R.T. 0.014 min

Lab File: BG057707.D

Acq: 14 Jun 2023 14:25

Tgt Ion: 77 Resp: 28396

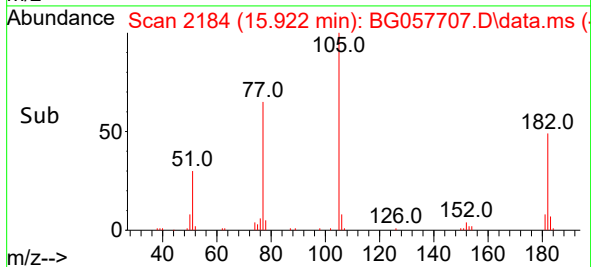
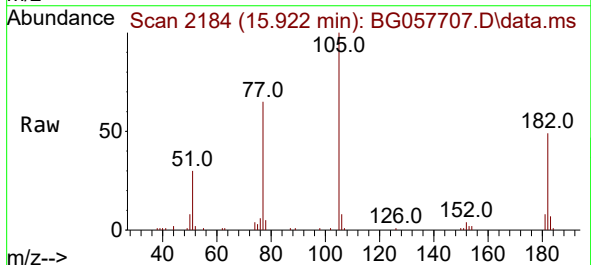
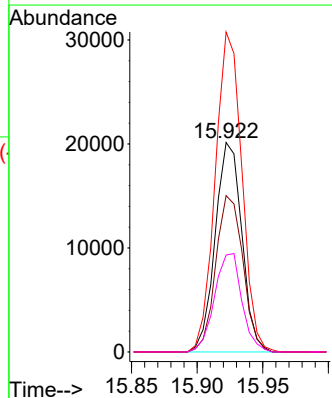
Ion Ratio Lower Upper

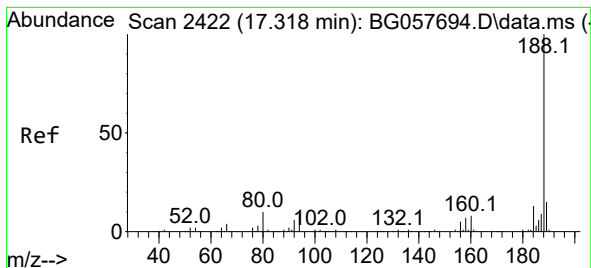
77 100

182 74.6 3.2 43.2#

105 152.8 3.3 43.3#

51 46.3 15.2 55.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.315 min Scan# 24

Delta R.T. -0.003 min

Lab File: BG057707.D

Acq: 14 Jun 2023 14:25

Instrument :

BNA_G

ClientSampleId :

CMC-EME-Topsoil-003

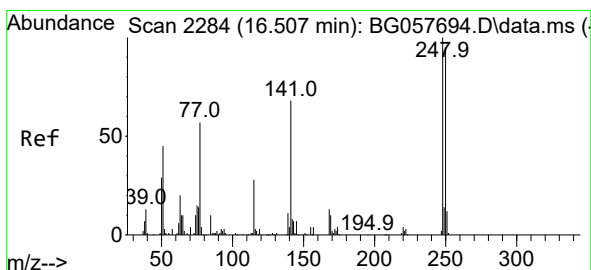
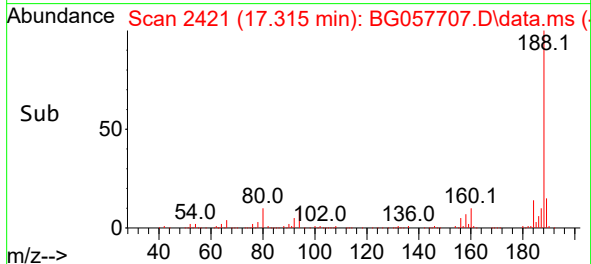
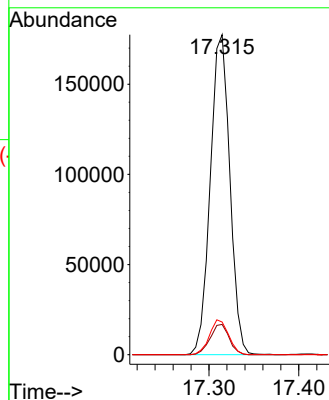
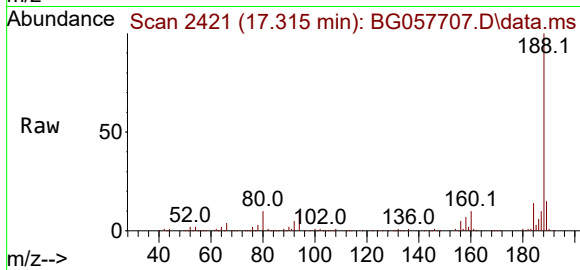
Tgt Ion:188 Resp: 268210

Ion Ratio Lower Upper

188 100

94 9.4 6.9 10.3

80 10.2 8.2 12.4



#67

4-Bromophenyl-phenylether

Concen: 2.441 ng

RT: 16.051 min Scan# 2206

Delta R.T. -0.456 min

Lab File: BG057707.D

Acq: 14 Jun 2023 14:25

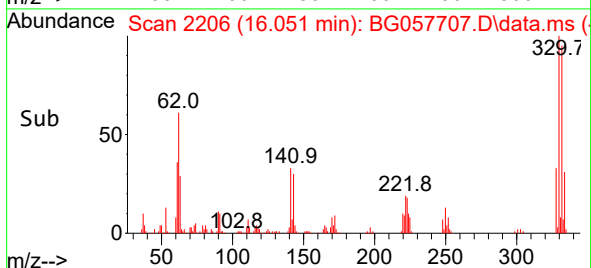
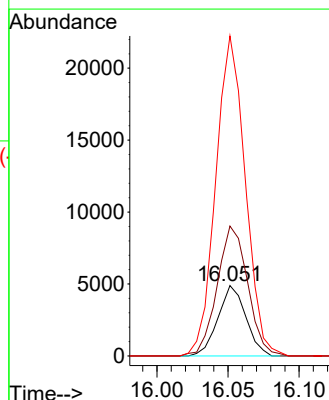
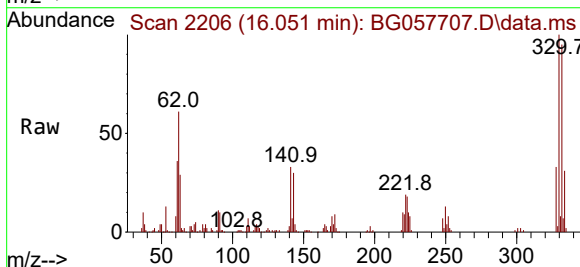
Tgt Ion:248 Resp: 6666

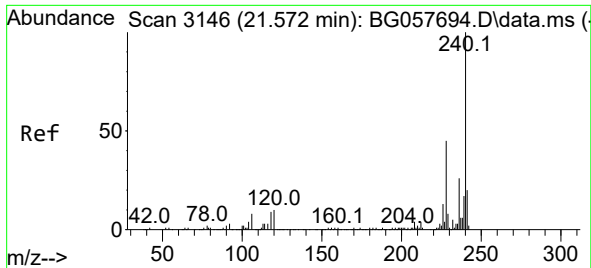
Ion Ratio Lower Upper

248 100

250 184.4 76.3 114.5#

141 454.3 54.6 82.0#

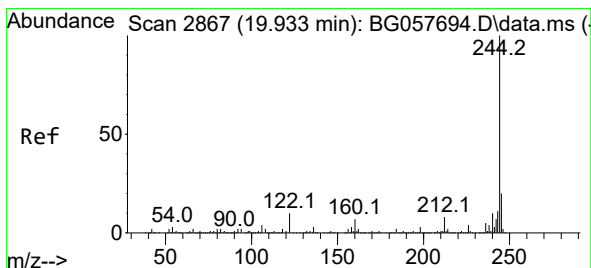
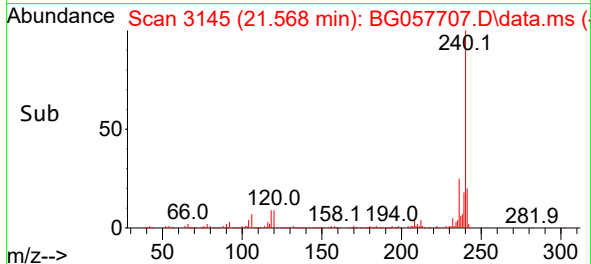
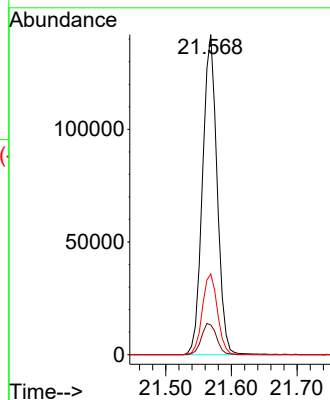
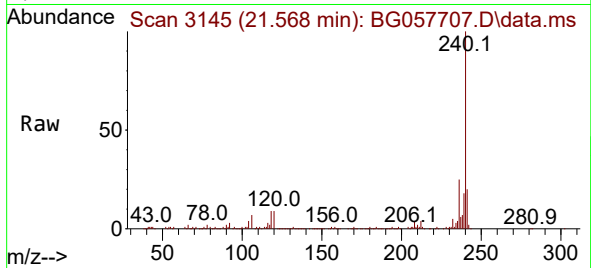




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.568 min Scan# 3145
Delta R.T. -0.004 min
Lab File: BG057707.D
Acq: 14 Jun 2023 14:25

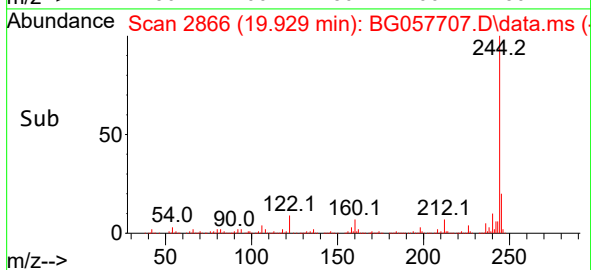
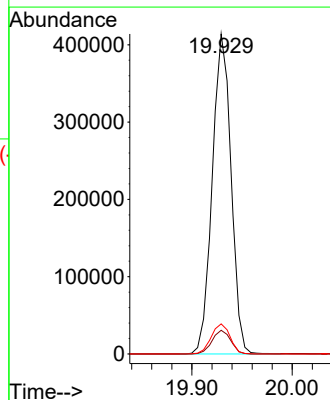
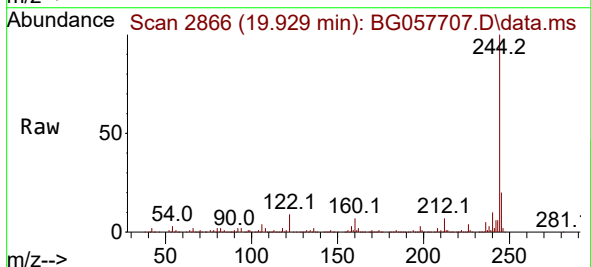
Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-003

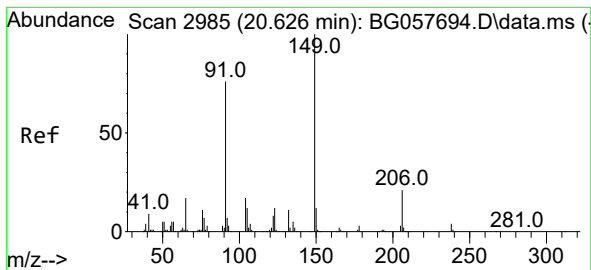
Tgt Ion:240 Resp: 219512
Ion Ratio Lower Upper
240 100
120 9.3 8.1 12.1
236 25.2 20.7 31.1



#79
Terphenyl-d14
Concen: 45.400 ng
RT: 19.929 min Scan# 2866
Delta R.T. -0.003 min
Lab File: BG057707.D
Acq: 14 Jun 2023 14:25

Tgt Ion:244 Resp: 539031
Ion Ratio Lower Upper
244 100
212 7.4 6.0 9.0
122 9.4 7.7 11.5





#80

Butylbenzylphthalate

Concen: 4.181 ng

RT: 20.617 min Scan# 2983

Delta R.T. -0.009 min

Lab File: BG057707.D

Acq: 14 Jun 2023 14:25

Instrument :

BNA_G

ClientSampleId :

CMC-EME-Topsoil-003

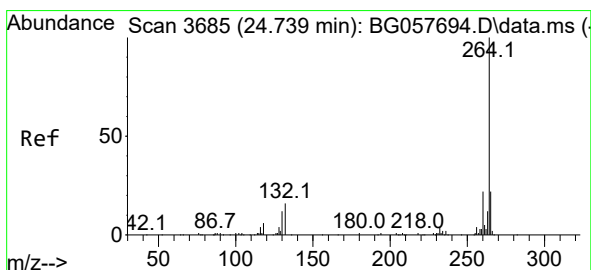
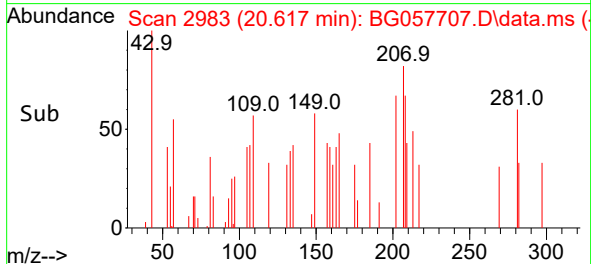
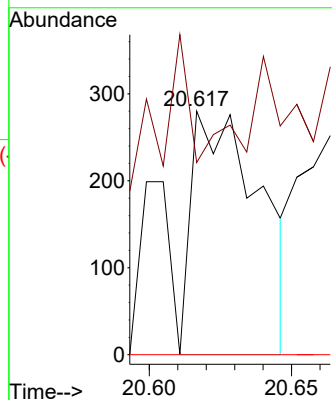
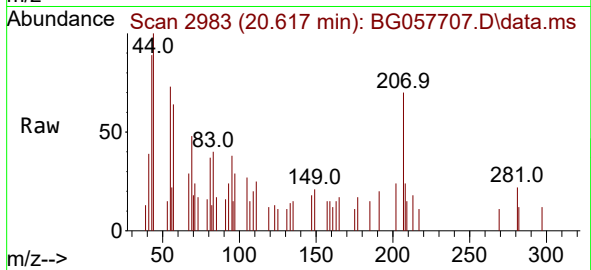
Tgt Ion:149 Resp: 465

Ion Ratio Lower Upper

149 100

91 78.9 60.8 91.2

206 0.0 16.8 25.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.729 min Scan# 3683

Delta R.T. -0.009 min

Lab File: BG057707.D

Acq: 14 Jun 2023 14:25

Tgt Ion:264 Resp: 262417

Ion Ratio Lower Upper

264 100

260 23.9 17.3 25.9

265 21.6 17.5 26.3

