

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
 Data File : BG057711.D
 Acq On : 14 Jun 2023 17:15
 Operator : CG/JU
 Sample : 03141-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CMC-EME-Topsoil-001

Quant Time: Jun 15 01:22:29 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)

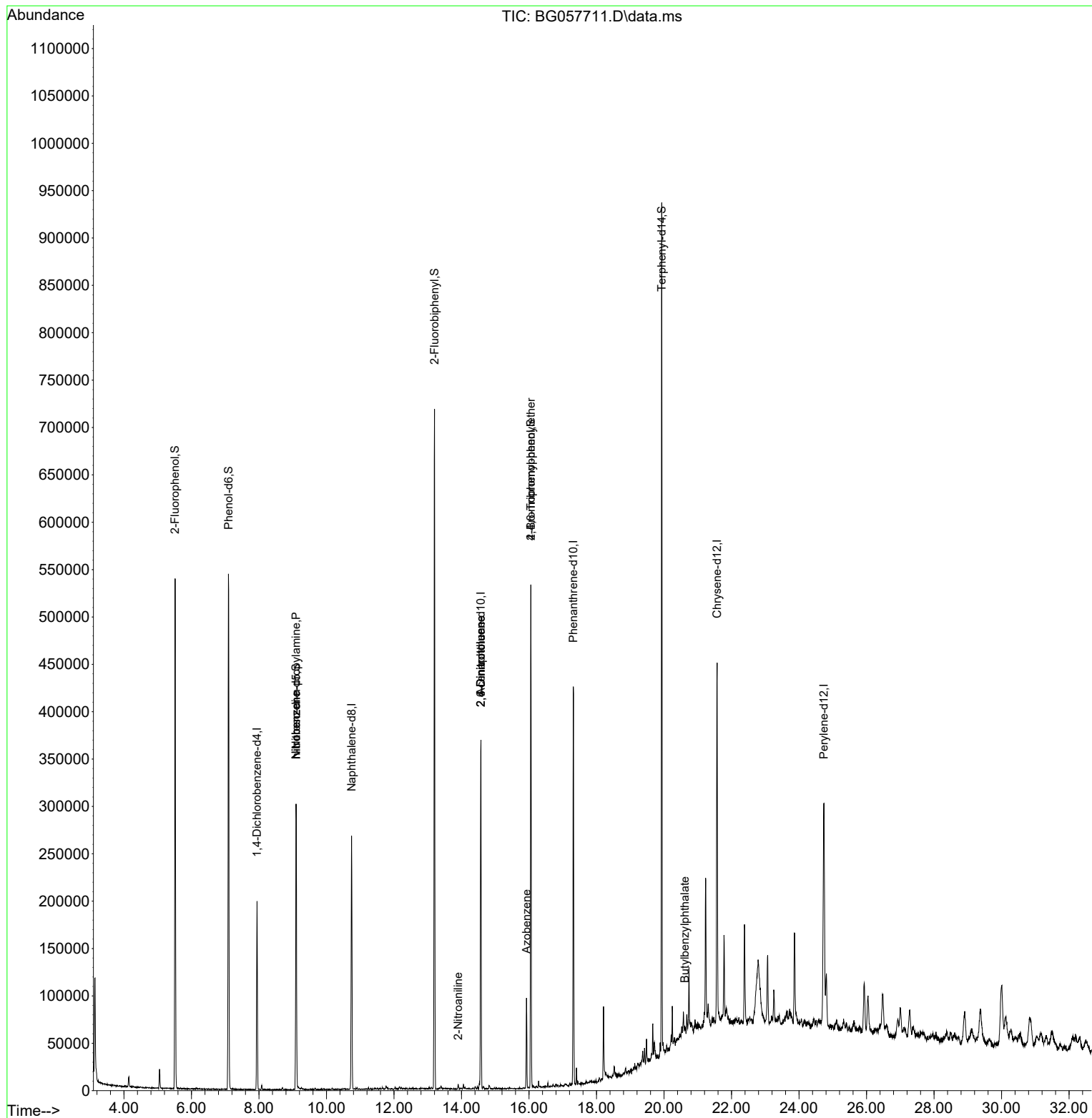
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	51296	20.000	ng	0.00
21) Naphthalene-d8	10.743	136	214687	20.000	ng	0.00
39) Acenaphthene-d10	14.574	164	129796	20.000	ng	0.00
64) Phenanthrene-d10	17.312	188	270449	20.000	ng	0.00
76) Chrysene-d12	21.572	240	215667	20.000	ng	0.00
86) Perylene-d12	24.733	264	255632	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.514	112	217899	69.168	ng	0.00
7) Phenol-d6	7.095	99	305042	63.030	ng	0.00
23) Nitrobenzene-d5	9.098	82	166778	54.509	ng	0.00
42) 2,4,6-Tribromophenol	16.055	330	97235	67.148	ng	0.00
45) 2-Fluorobiphenyl	13.199	172	370160	42.510	ng	0.00
79) Terphenyl-d14	19.933	244	431553	36.996	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.098	70	21719	6.207	ng	# 84
24) Nitrobenzene	9.098	77	386	5.166	ng	# 44
48) 2-Nitroaniline	13.899	65	61	4.098	ng	# 12
51) 2,6-Dinitrotoluene	14.568	165	16761	17.612	ng	# 14
57) 2,4-Dinitrotoluene	14.568	165	16761	14.623	ng	# 18
63) Azobenzene	15.926	77	26738	2.531	ng	# 1
67) 4-Bromophenyl-phenylether	16.055	248	6355	2.308	ng	# 1
80) Butylbenzylphthalate	20.620	149	311	4.157	ng	# 76

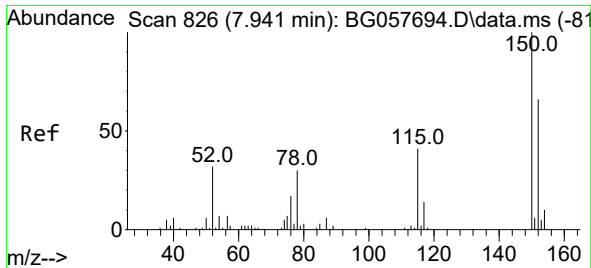
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
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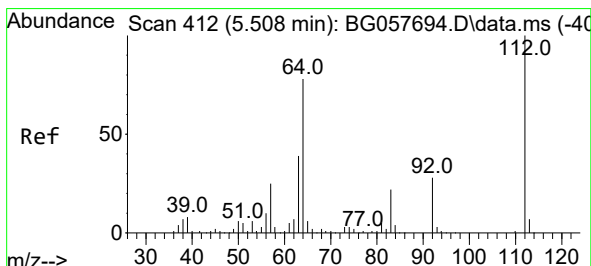
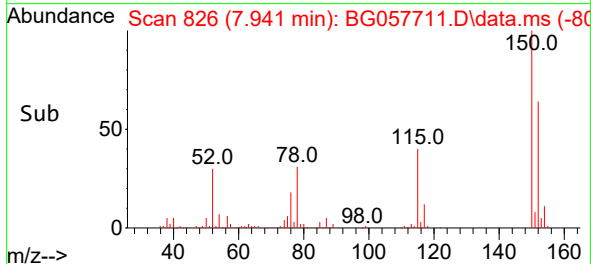
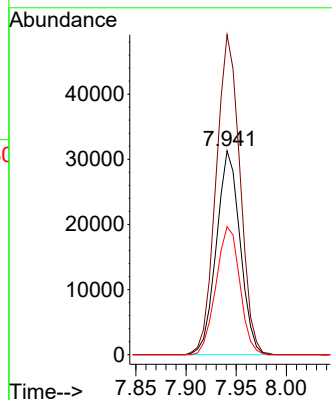
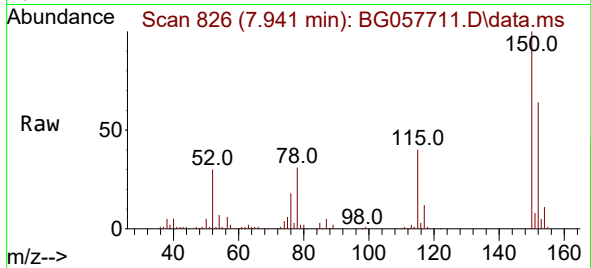




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.941 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG057711.D
Acq: 14 Jun 2023 17:15

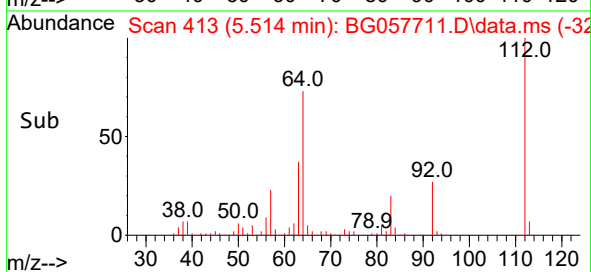
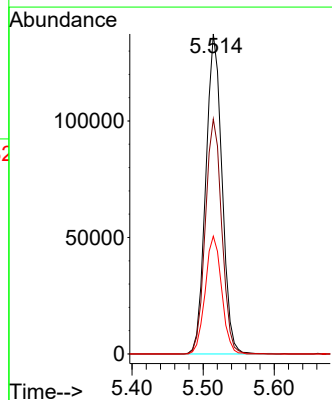
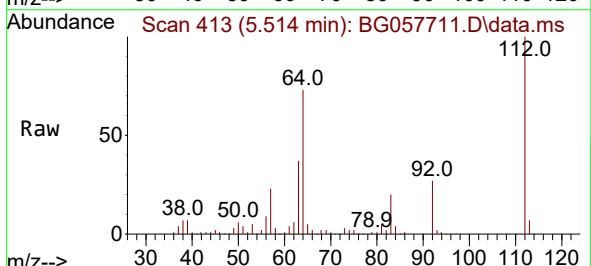
Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-001

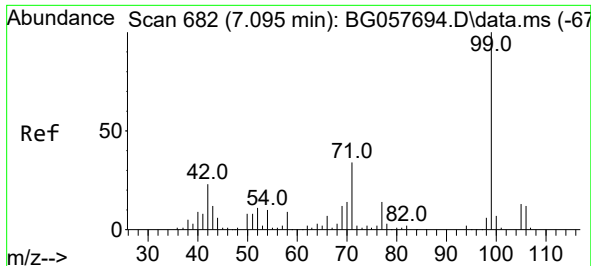
Tgt Ion:152 Resp: 51296
Ion Ratio Lower Upper
152 100
150 156.9 120.8 181.2
115 62.7 49.4 74.2



#5
2-Fluorophenol
Concen: 69.168 ng
RT: 5.514 min Scan# 413
Delta R.T. 0.006 min
Lab File: BG057711.D
Acq: 14 Jun 2023 17:15

Tgt Ion:112 Resp: 217899
Ion Ratio Lower Upper
112 100
64 73.4 62.3 93.5
63 36.8 31.5 47.3

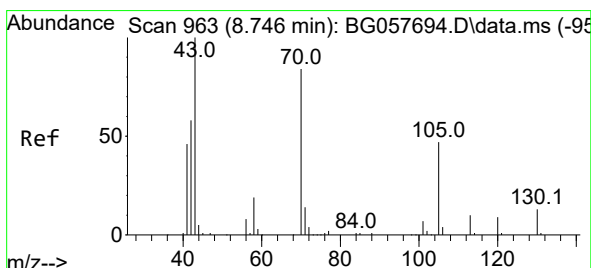
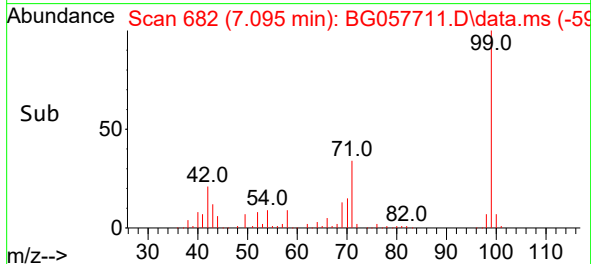
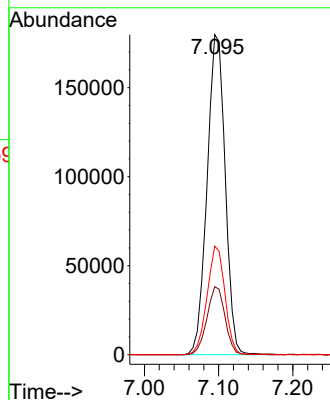
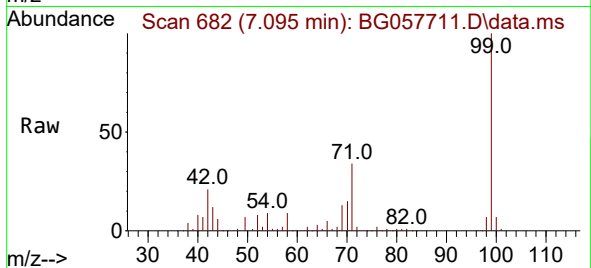




#7
Phenol-d6
Concen: 63.030 ng
RT: 7.095 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG057711.D
Acq: 14 Jun 2023 17:15

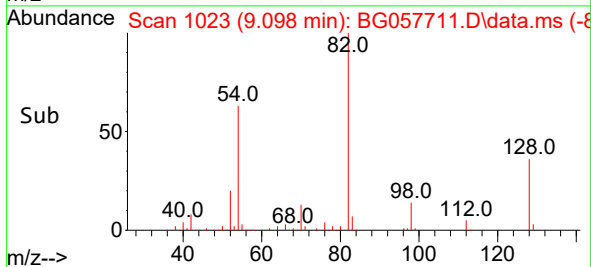
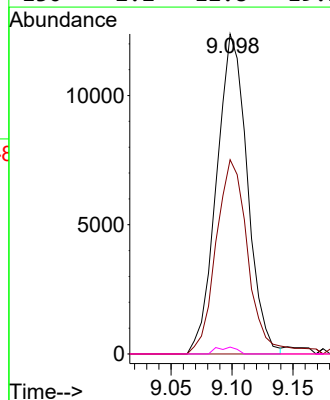
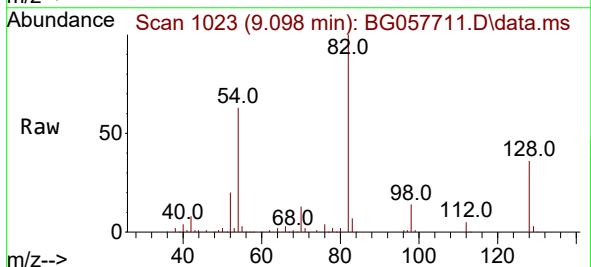
Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-001

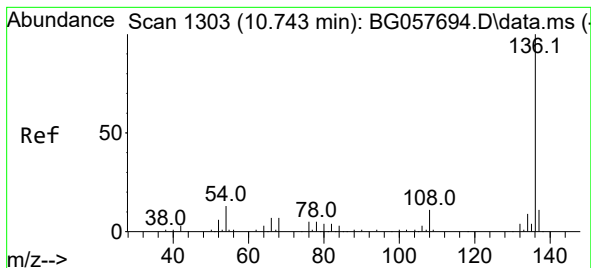
Tgt Ion: 99 Resp: 305042
Ion Ratio Lower Upper
99 100
42 21.2 18.3 27.5
71 33.9 27.5 41.3



#19
n-Nitroso-di-n-propylamine
Concen: 6.207 ng
RT: 9.098 min Scan# 1023
Delta R.T. 0.353 min
Lab File: BG057711.D
Acq: 14 Jun 2023 17:15

Tgt Ion: 70 Resp: 21719
Ion Ratio Lower Upper
70 100
42 60.7 56.6 84.8
101 0.0 6.2 9.4#
130 2.2 12.8 19.2#

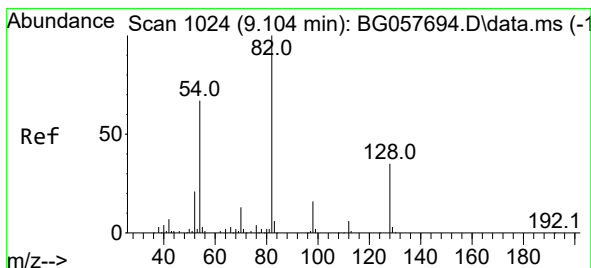
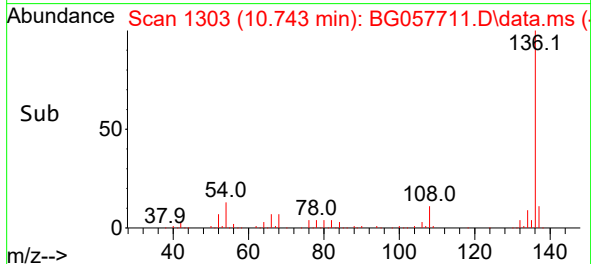
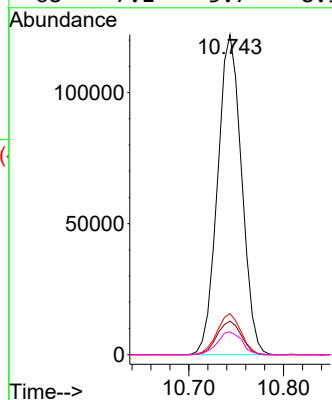
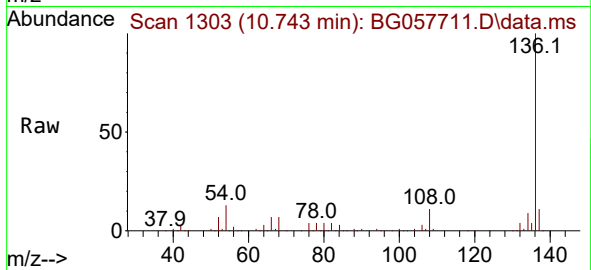




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.743 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG057711.D
Acq: 14 Jun 2023 17:15

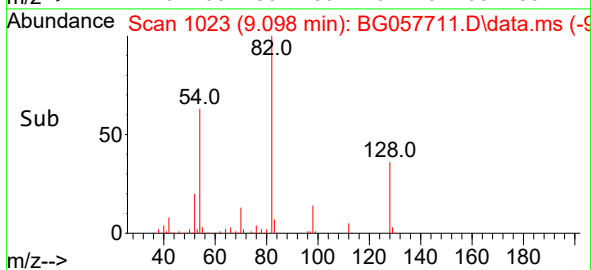
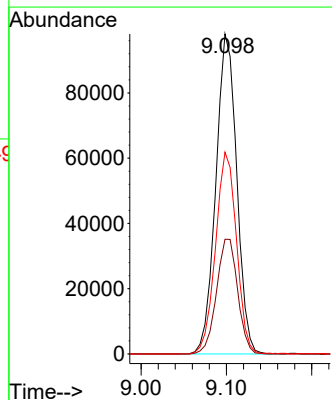
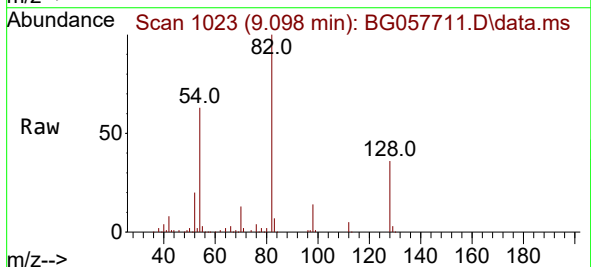
Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-001

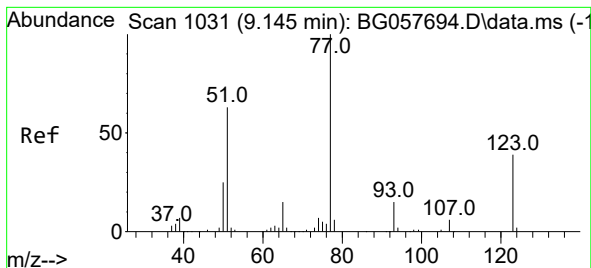
Tgt Ion:136 Resp: 214687
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 12.8 10.8 16.2
68 7.1 5.7 8.5



#23
Nitrobenzene-d5
Concen: 54.509 ng
RT: 9.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BG057711.D
Acq: 14 Jun 2023 17:15

Tgt Ion: 82 Resp: 166778
Ion Ratio Lower Upper
82 100
128 35.9 27.7 41.5
54 63.0 53.8 80.8





#24

Nitrobenzene

Concen: 5.166 ng

RT: 9.098 min Scan# 1031

Delta R.T. -0.047 min

Lab File: BG057711.D

Acq: 14 Jun 2023 17:15

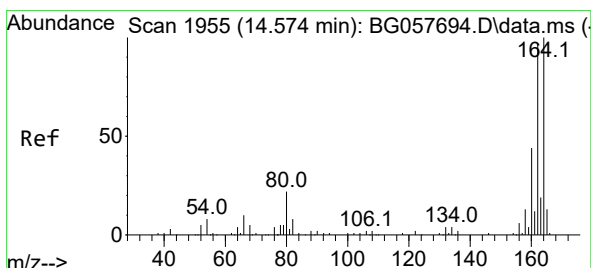
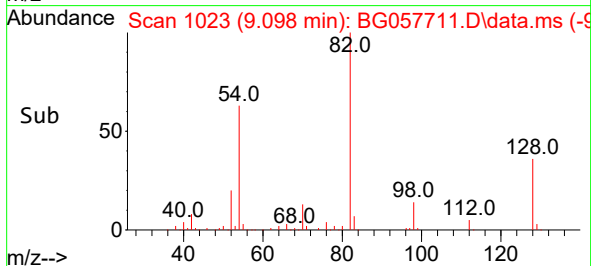
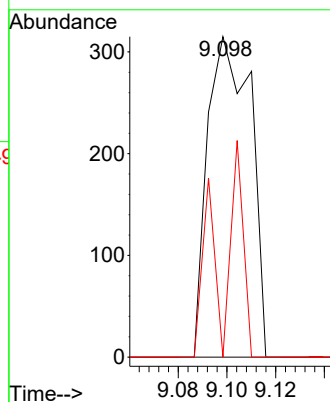
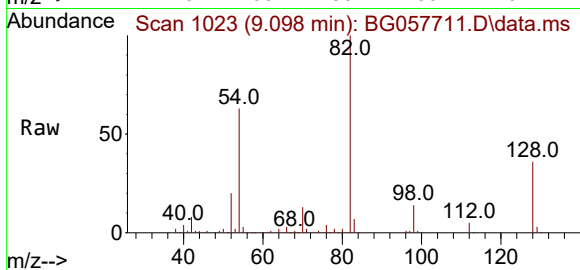
Instrument :

BNA_G

ClientSampleId :

CMC-EME-Topsoil-001

Tgt Ion: 77	Resp: 386
Ion Ratio	Lower Upper
77 100	
123 0.0	31.2 46.8#
65 0.0	11.6 17.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

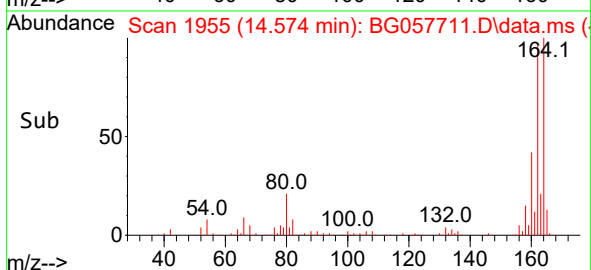
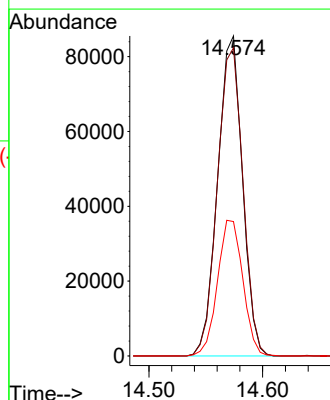
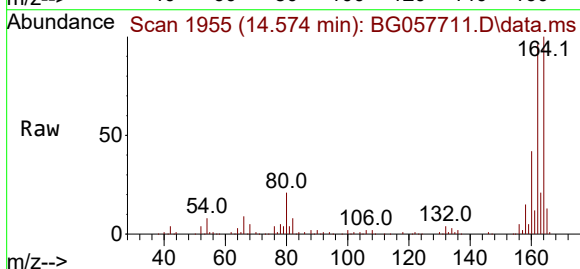
RT: 14.574 min Scan# 1955

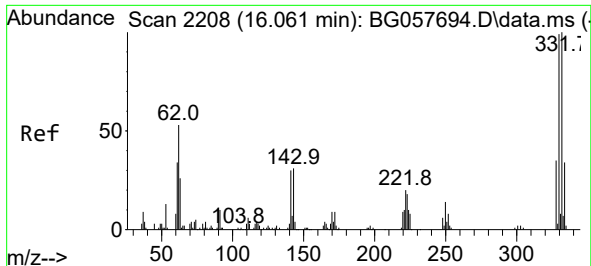
Delta R.T. 0.000 min

Lab File: BG057711.D

Acq: 14 Jun 2023 17:15

Tgt Ion: 164	Resp: 129796
Ion Ratio	Lower Upper
164 100	
162 96.3	77.7 116.5
160 42.0	35.1 52.7

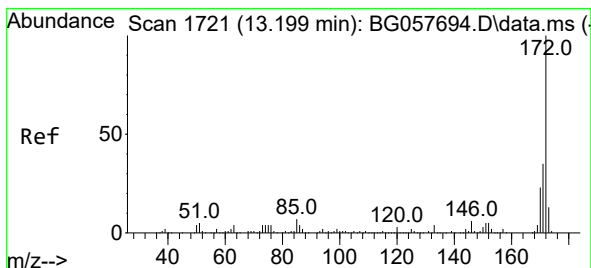
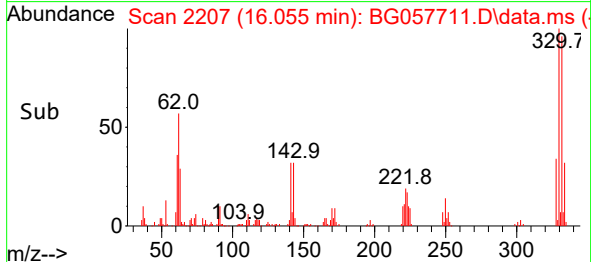
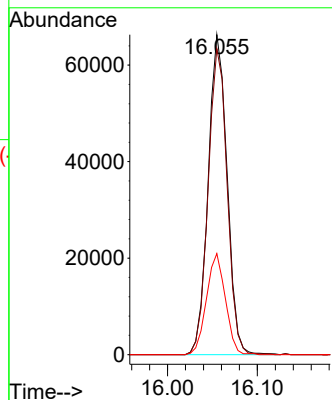
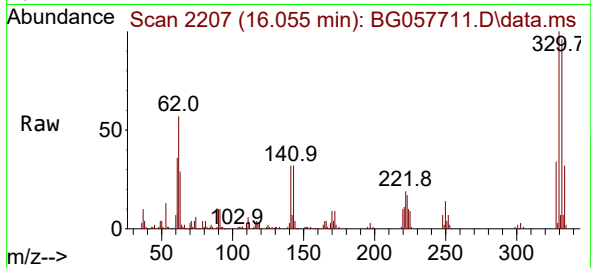




#42
2,4,6-Tribromophenol
Concen: 67.148 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG057711.D
Acq: 14 Jun 2023 17:15

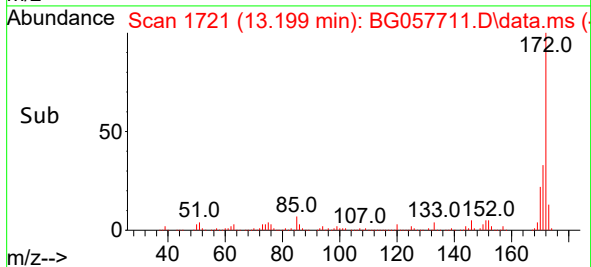
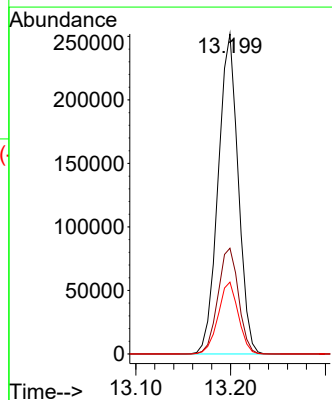
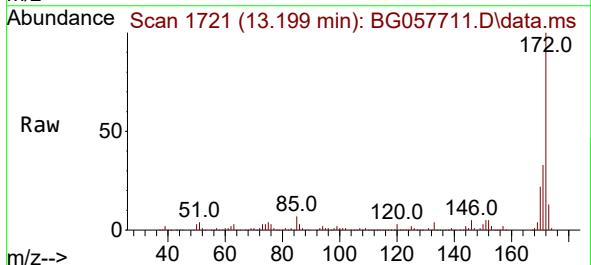
Instrument :
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ClientSampleId :
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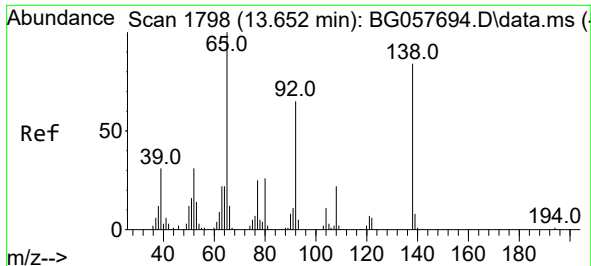
Tgt Ion:330 Resp: 97235
Ion Ratio Lower Upper
330 100
332 95.7 79.0 118.6
141 31.5 25.0 37.6



#45
2-Fluorobiphenyl
Concen: 42.510 ng
RT: 13.199 min Scan# 1721
Delta R.T. 0.000 min
Lab File: BG057711.D
Acq: 14 Jun 2023 17:15

Tgt Ion:172 Resp: 370160
Ion Ratio Lower Upper
172 100
171 33.0 27.9 41.9
170 22.5 18.2 27.4

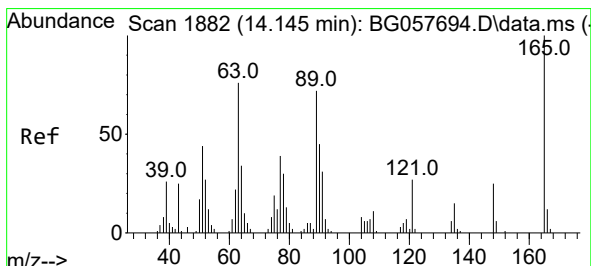
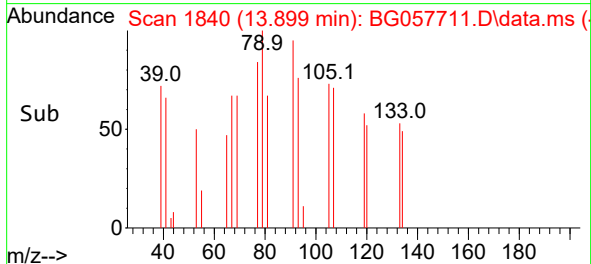
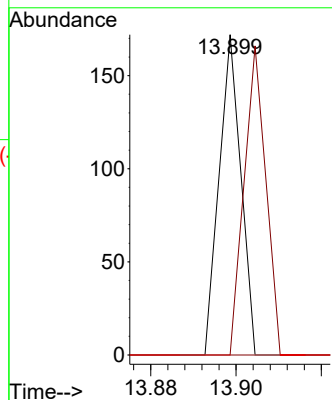
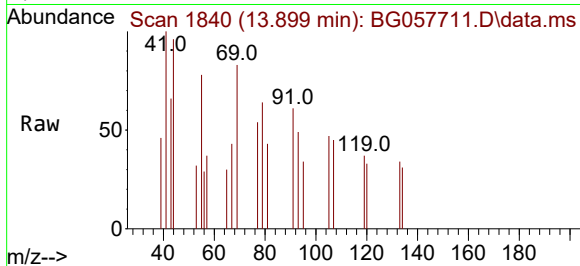




#48
2-Nitroaniline
Concen: 4.098 ng
RT: 13.899 min Scan# 11
Delta R.T. 0.247 min
Lab File: BG057711.D
Acq: 14 Jun 2023 17:15

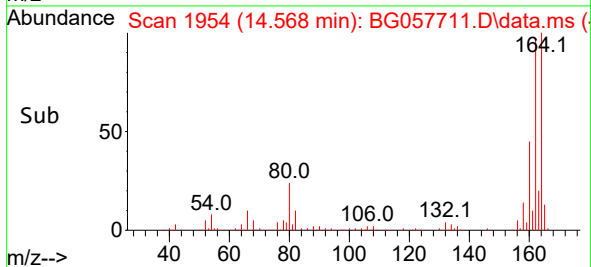
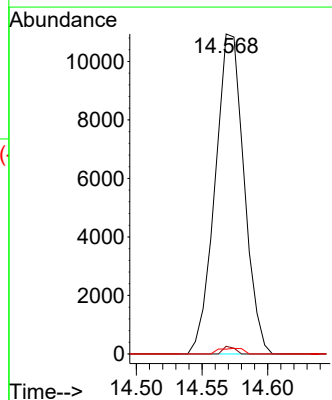
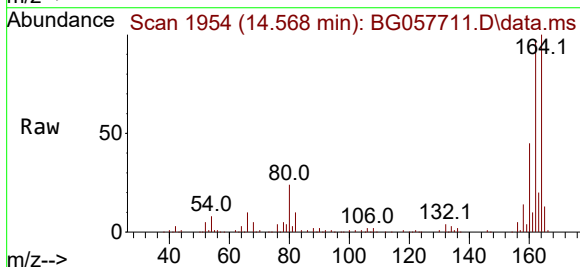
Instrument :
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ClientSampleId :
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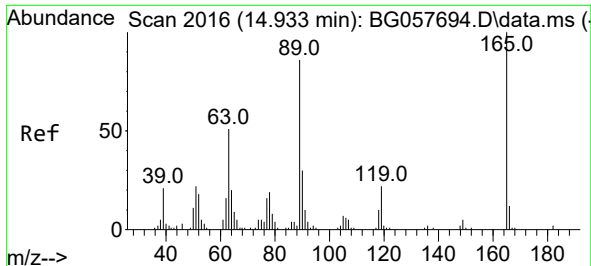
Tgt Ion: 65 Resp: 61
Ion Ratio Lower Upper
65 100
92 0.0 52.2 78.4#
138 0.0 67.0 100.4#



#51
2,6-Dinitrotoluene
Concen: 17.612 ng
RT: 14.568 min Scan# 1954
Delta R.T. 0.423 min
Lab File: BG057711.D
Acq: 14 Jun 2023 17:15

Tgt Ion:165 Resp: 16761
Ion Ratio Lower Upper
165 100
63 2.4 62.3 93.5#
89 1.5 57.4 86.0#





#57

2,4-Dinitrotoluene

Concen: 14.623 ng

RT: 14.568 min Scan# 1954

Delta R.T. -0.365 min

Lab File: BG057711.D

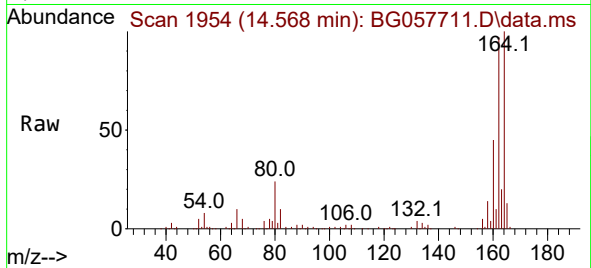
Acq: 14 Jun 2023 17:15

Instrument :

BNA_G

ClientSampleId :

CMC-EME-Topsoil-001



Tgt Ion:165 Resp: 16761

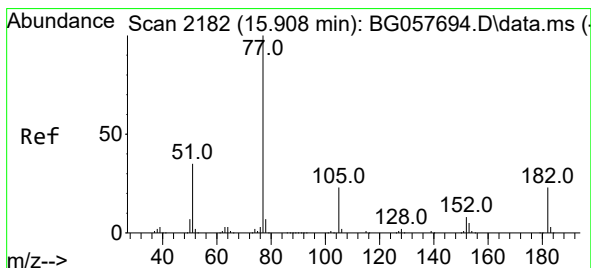
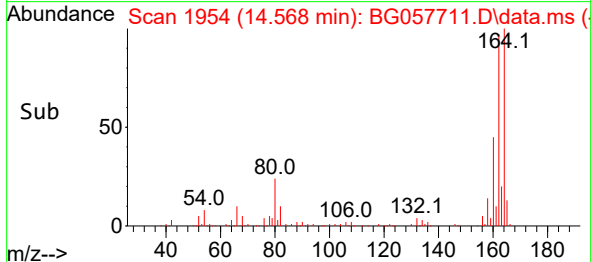
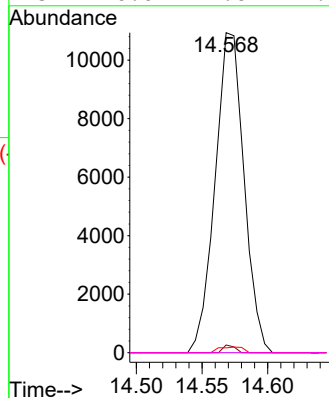
Ion Ratio Lower Upper

165 100

63 2.4 40.8 61.2#

89 1.5 68.5 102.7#

182 0.0 1.6 2.4#



#63

Azobenzene

Concen: 2.531 ng

RT: 15.926 min Scan# 2185

Delta R.T. 0.018 min

Lab File: BG057711.D

Acq: 14 Jun 2023 17:15

Tgt Ion: 77 Resp: 26738

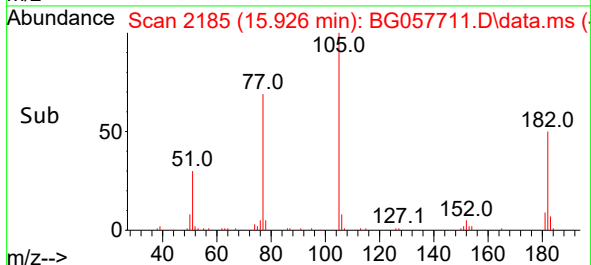
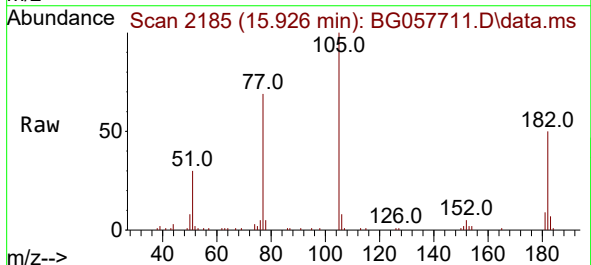
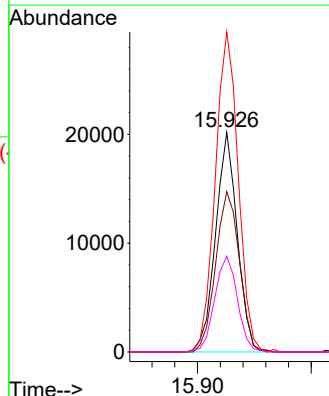
Ion Ratio Lower Upper

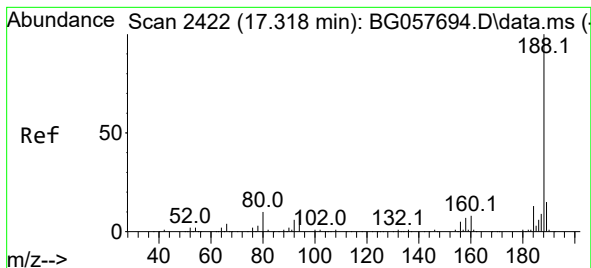
77 100

182 73.0 3.2 43.2#

105 145.7 3.3 43.3#

51 43.6 15.2 55.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.312 min Scan# 24

Delta R.T. -0.006 min

Lab File: BG057711.D

Acq: 14 Jun 2023 17:15

Instrument :

BNA_G

ClientSampleId :

CMC-EME-Topsoil-001

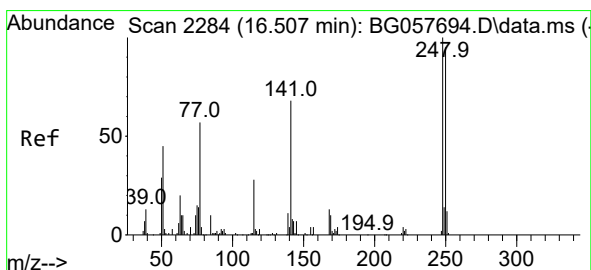
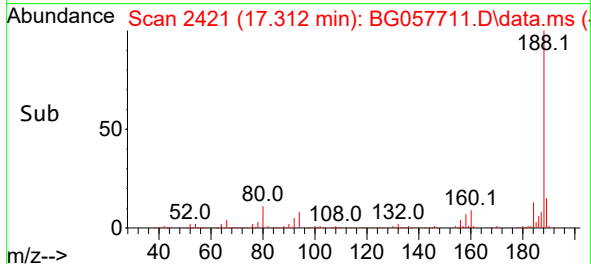
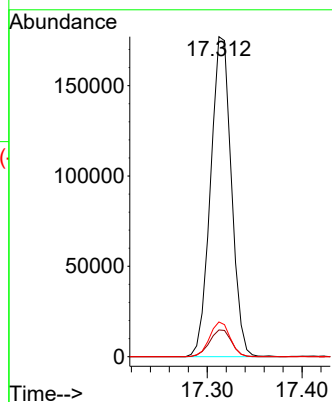
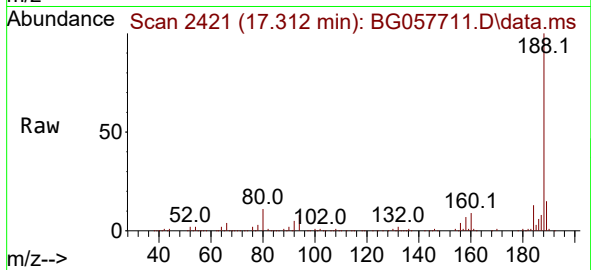
Tgt Ion:188 Resp: 270449

Ion Ratio Lower Upper

188 100

94 8.4 6.9 10.3

80 10.8 8.2 12.4



#67

4-Bromophenyl-phenylether

Concen: 2.308 ng

RT: 16.055 min Scan# 2207

Delta R.T. -0.452 min

Lab File: BG057711.D

Acq: 14 Jun 2023 17:15

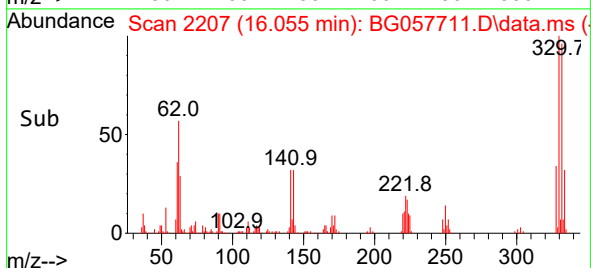
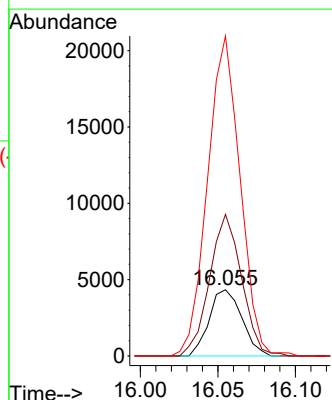
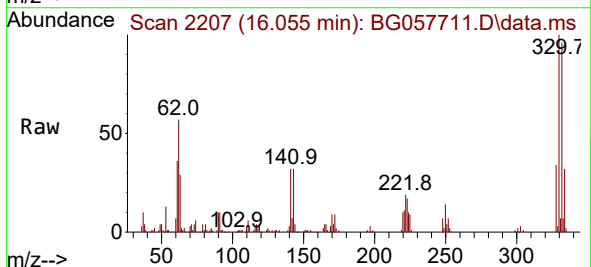
Tgt Ion:248 Resp: 6355

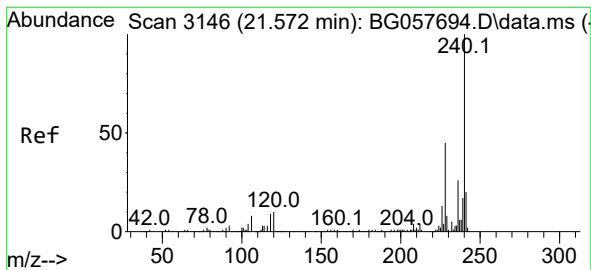
Ion Ratio Lower Upper

248 100

250 213.6 76.3 114.5#

141 482.6 54.6 82.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.572 min Scan# 3146

Delta R.T. -0.000 min

Lab File: BG057711.D

Acq: 14 Jun 2023 17:15

Instrument :

BNA_G

ClientSampleId :

CMC-EME-Topsoil-001

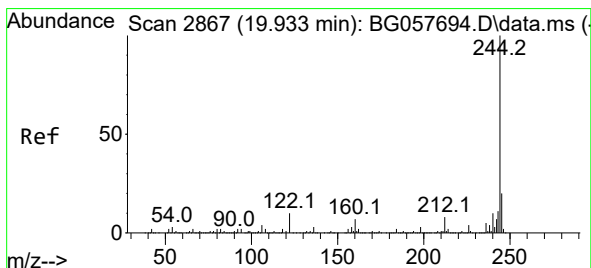
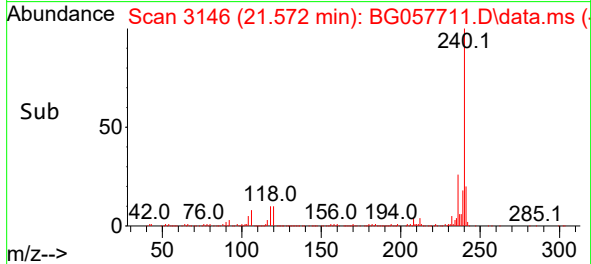
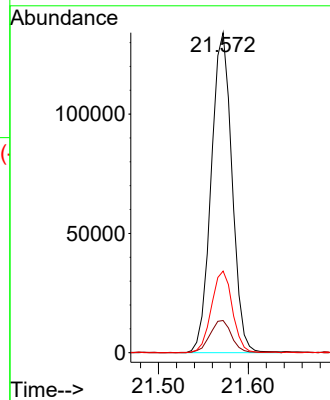
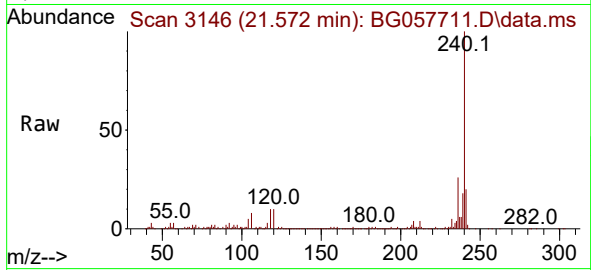
Tgt Ion:240 Resp: 215667

Ion Ratio Lower Upper

240 100

120 10.1 8.1 12.1

236 25.5 20.7 31.1



#79

Terphenyl-d14

Concen: 36.996 ng

RT: 19.933 min Scan# 2867

Delta R.T. 0.000 min

Lab File: BG057711.D

Acq: 14 Jun 2023 17:15

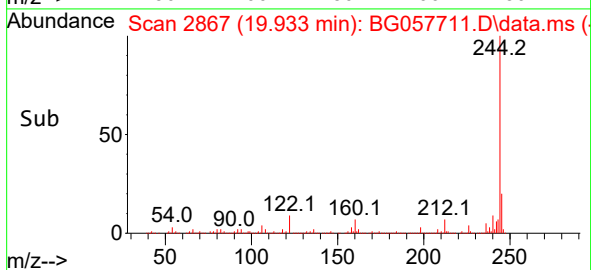
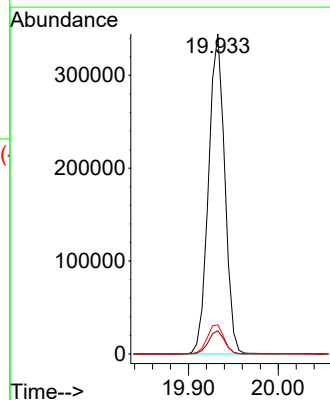
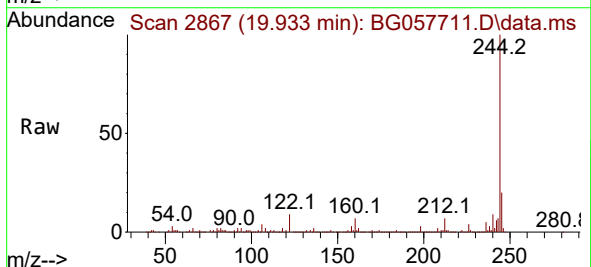
Tgt Ion:244 Resp: 431553

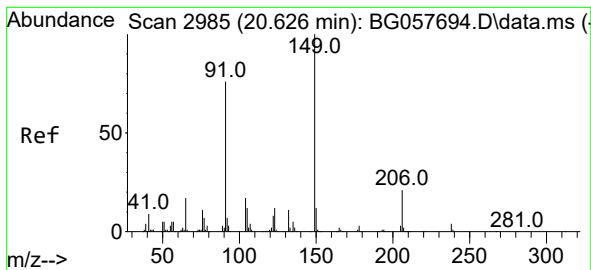
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 9.1 7.7 11.5





#80

Butylbenzylphthalate

Concen: 4.157 ng

RT: 20.620 min Scan# 2984

Delta R.T. -0.006 min

Lab File: BG057711.D

Acq: 14 Jun 2023 17:15

Instrument :

BNA_G

ClientSampleId :

CMC-EME-Topsoil-001

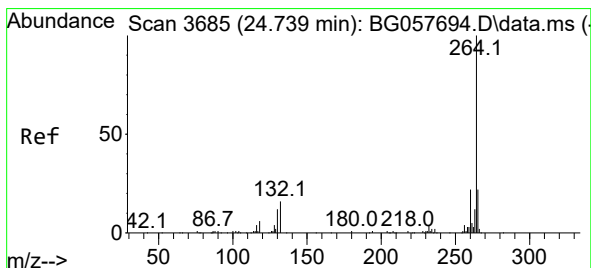
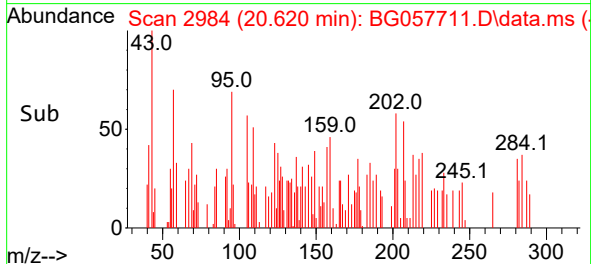
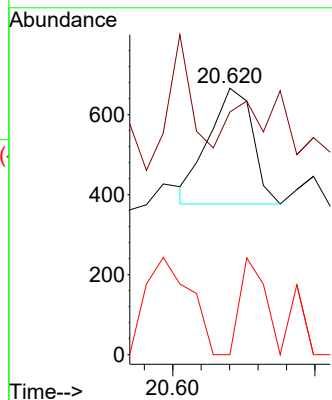
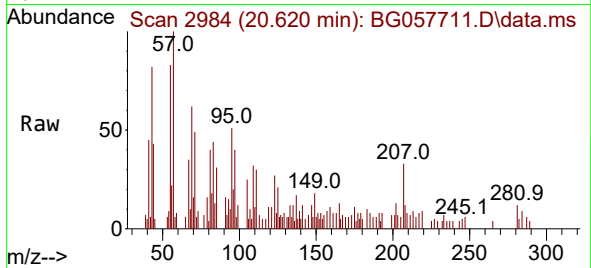
Tgt Ion:149 Resp: 311

Ion Ratio Lower Upper

149 100

91 91.1 60.8 91.2

206 0.0 16.8 25.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.733 min Scan# 3684

Delta R.T. -0.006 min

Lab File: BG057711.D

Acq: 14 Jun 2023 17:15

Tgt Ion:264 Resp: 255632

Ion Ratio Lower Upper

264 100

260 23.3 17.3 25.9

265 21.7 17.5 26.3

