

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
 Data File : BG057708.D
 Acq On : 14 Jun 2023 15:08
 Operator : CG/JU
 Sample : 03141-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CMC-EME-Topsoil-002

Quant Time: Jun 15 01:21:41 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)

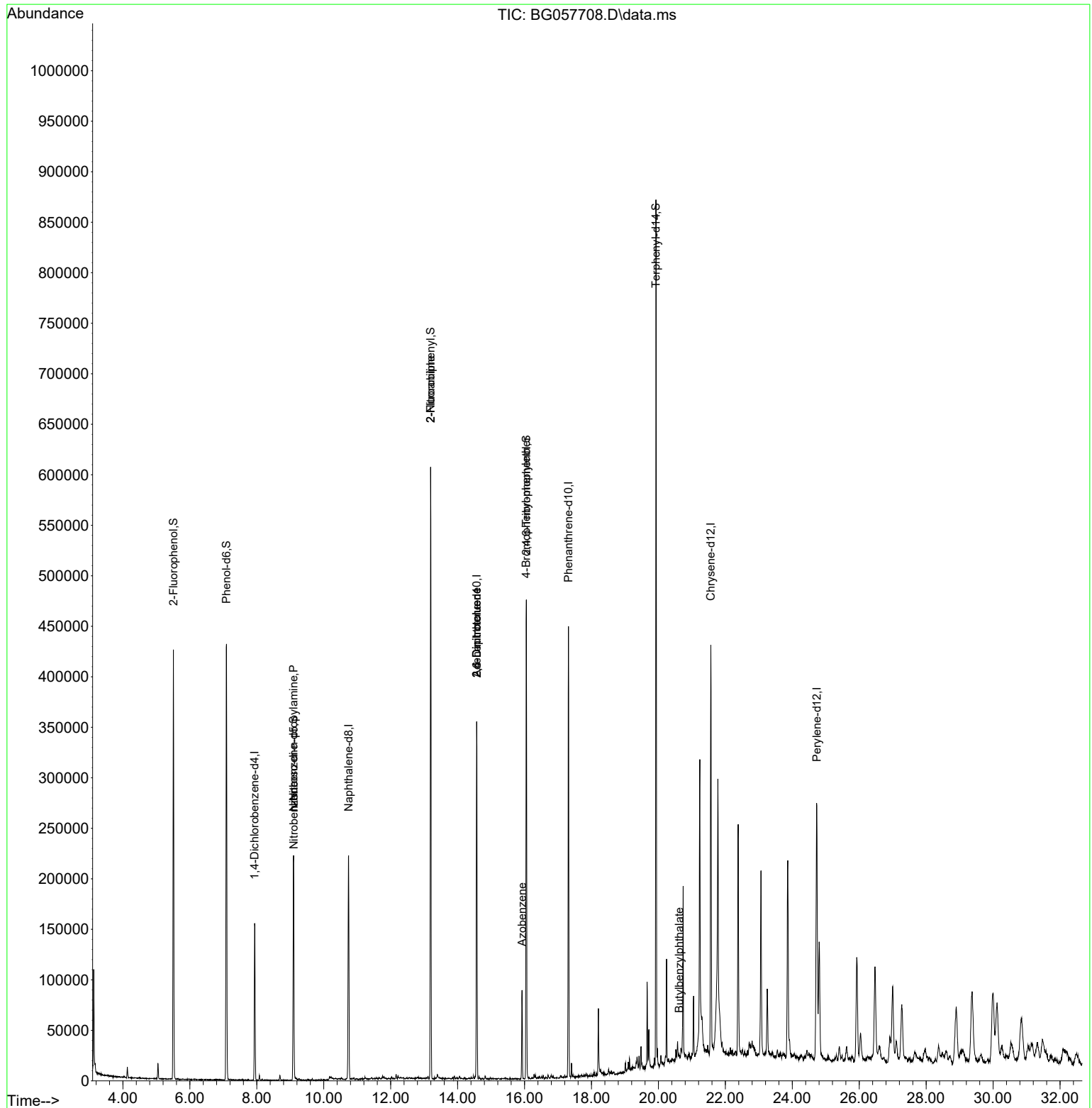
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	41552	20.000	ng	0.00
21) Naphthalene-d8	10.744	136	183084	20.000	ng	0.00
39) Acenaphthene-d10	14.569	164	127011	20.000	ng	0.00
64) Phenanthrene-d10	17.313	188	279510	20.000	ng	0.00
76) Chrysene-d12	21.567	240	219754	20.000	ng	0.00
86) Perylene-d12	24.733	264	264500	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.509	112	165348	64.795	ng	0.00
7) Phenol-d6	7.089	99	245439	62.607	ng	0.00
23) Nitrobenzene-d5	9.099	82	122667	49.009	ng	0.00
42) 2,4,6-Tribromophenol	16.055	330	91285	64.421	ng	0.00
45) 2-Fluorobiphenyl	13.194	172	315786	37.061	ng	0.00
79) Terphenyl-d14	19.927	244	427472	35.965	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.099	70	16369	5.775	ng	# 85
24) Nitrobenzene	9.105	77	322	5.164	ng	# 44
48) 2-Nitroaniline	13.194	65	685	4.563	ng	# 15
51) 2,6-Dinitrotoluene	14.569	165	16475	17.667	ng	# 13
57) 2,4-Dinitrotoluene	14.569	165	16475	14.667	ng	# 16
63) Azobenzene	15.926	77	26313	2.546	ng	# 1
67) 4-Bromophenyl-phenylether	16.049	248	6043	2.123	ng	# 1
80) Butylbenzylphthalate	20.626	149	263	4.149	ng	# 72

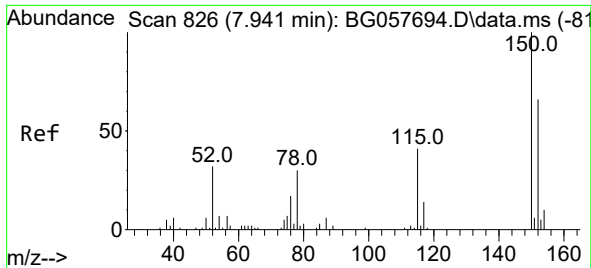
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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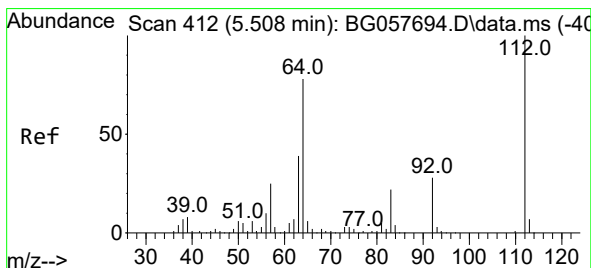
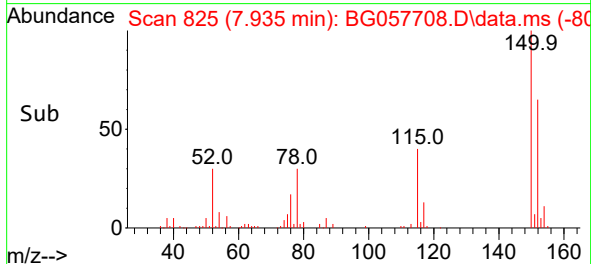
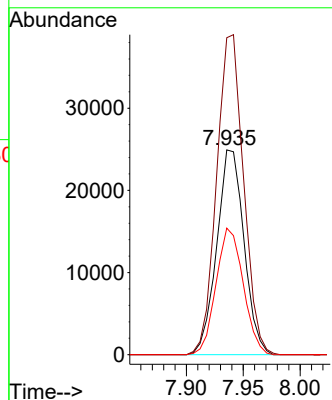
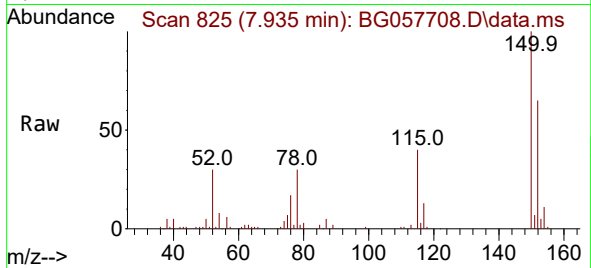




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057708.D
Acq: 14 Jun 2023 15:08

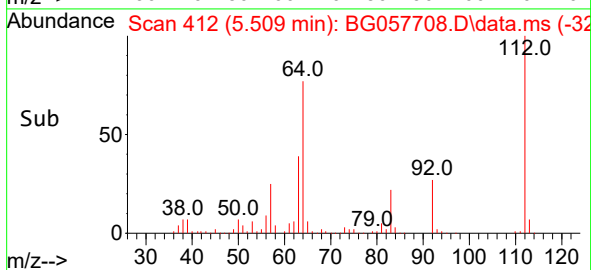
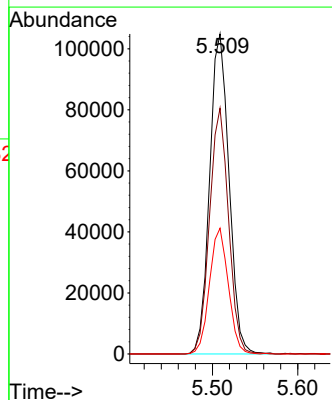
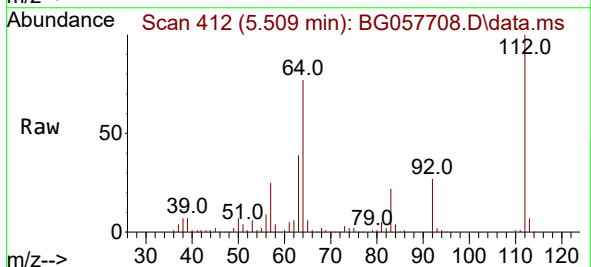
Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-002

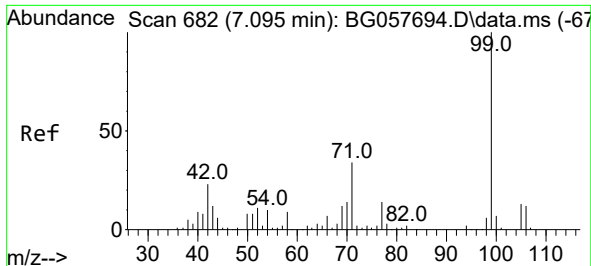
Tgt Ion:152 Resp: 41552
Ion Ratio Lower Upper
152 100
150 154.8 120.8 181.2
115 61.8 49.4 74.2



#5
2-Fluorophenol
Concen: 64.795 ng
RT: 5.509 min Scan# 412
Delta R.T. 0.001 min
Lab File: BG057708.D
Acq: 14 Jun 2023 15:08

Tgt Ion:112 Resp: 165348
Ion Ratio Lower Upper
112 100
64 76.8 62.3 93.5
63 39.3 31.5 47.3

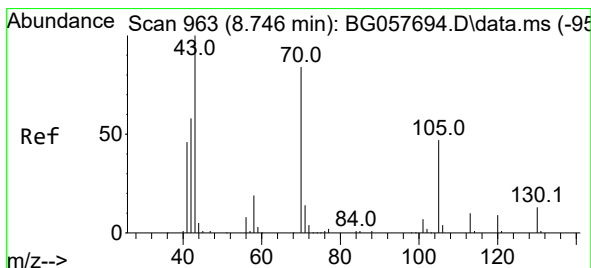
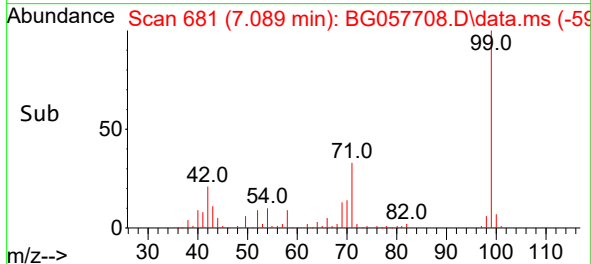
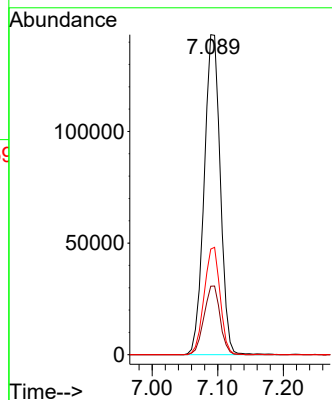
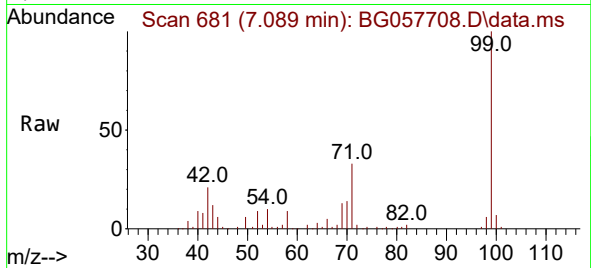




#7
Phenol-d6
Concen: 62.607 ng
RT: 7.089 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG057708.D
Acq: 14 Jun 2023 15:08

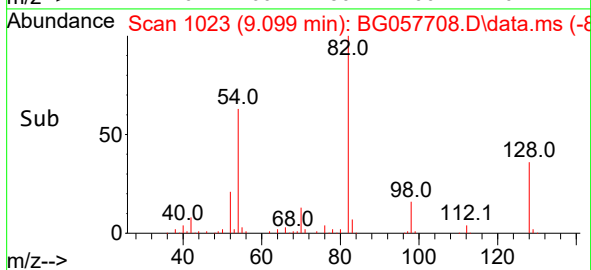
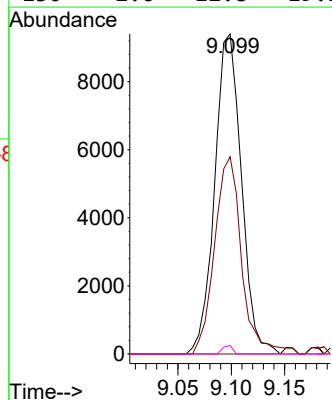
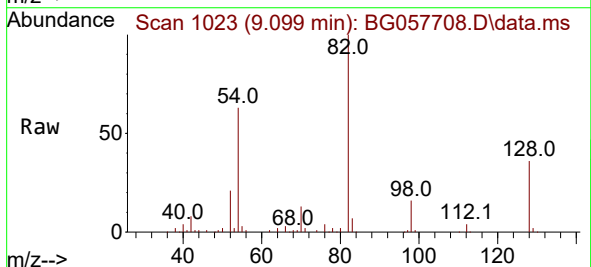
Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-002

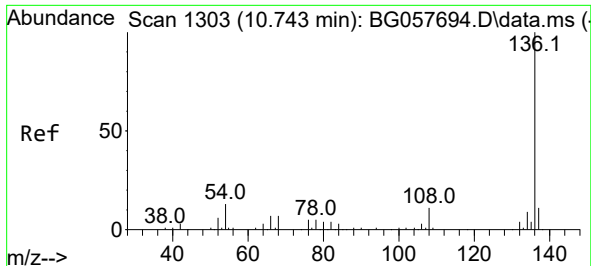
Tgt Ion: 99 Resp: 245439
Ion Ratio Lower Upper
99 100
42 21.4 18.3 27.5
71 33.0 27.5 41.3



#19
n-Nitroso-di-n-propylamine
Concen: 5.775 ng
RT: 9.099 min Scan# 1023
Delta R.T. 0.353 min
Lab File: BG057708.D
Acq: 14 Jun 2023 15:08

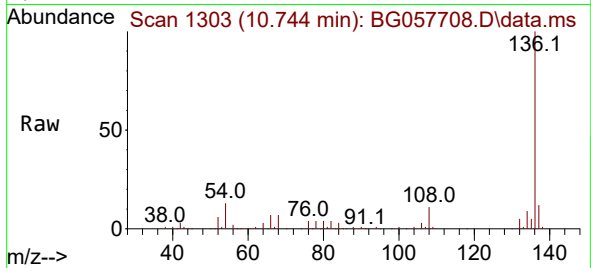
Tgt Ion: 70 Resp: 16369
Ion Ratio Lower Upper
70 100
42 61.6 56.6 84.8
101 0.0 6.2 9.4#
130 2.6 12.8 19.2#



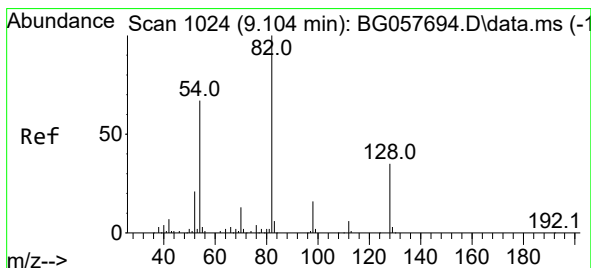
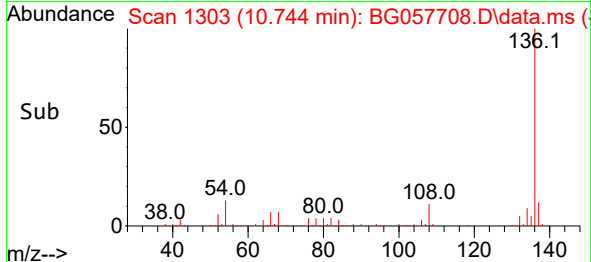
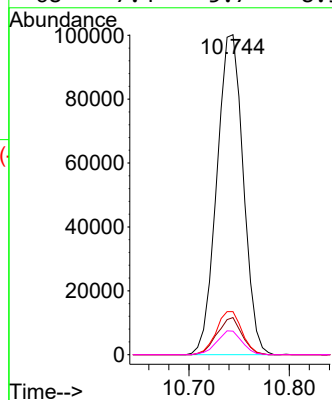


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.744 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG057708.D
Acq: 14 Jun 2023 15:08

Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-002

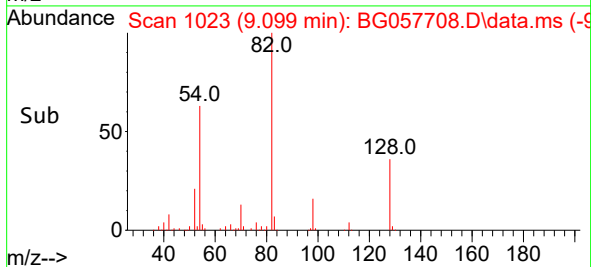
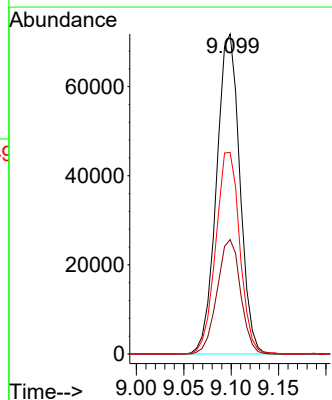
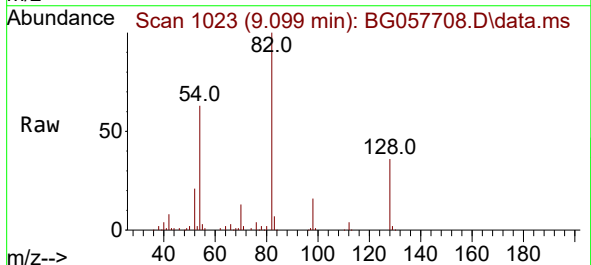


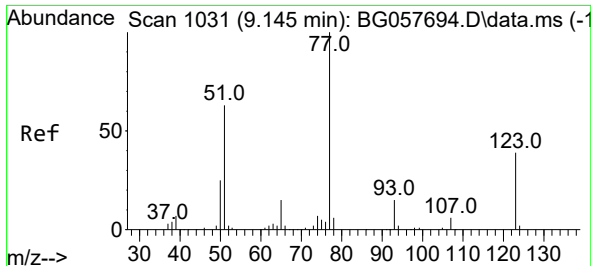
Tgt Ion:136 Resp: 183084
Ion Ratio Lower Upper
136 100
137 11.6 8.6 13.0
54 13.4 10.8 16.2
68 7.4 5.7 8.5



#23
Nitrobenzene-d5
Concen: 49.009 ng
RT: 9.099 min Scan# 1023
Delta R.T. -0.005 min
Lab File: BG057708.D
Acq: 14 Jun 2023 15:08

Tgt Ion: 82 Resp: 122667
Ion Ratio Lower Upper
82 100
128 35.8 27.7 41.5
54 63.0 53.8 80.8

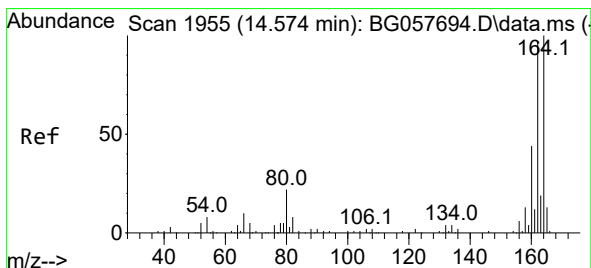
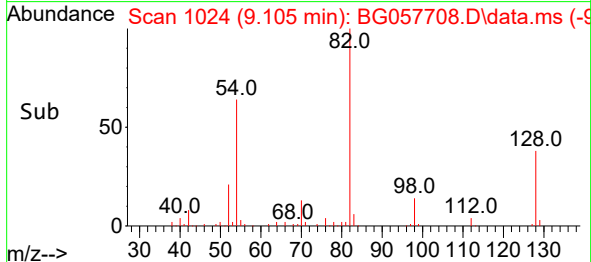
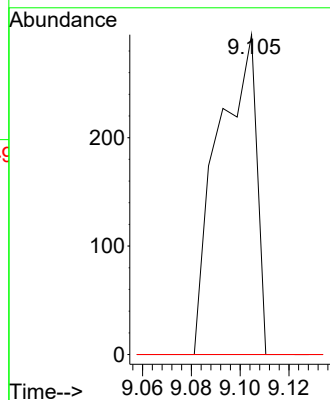
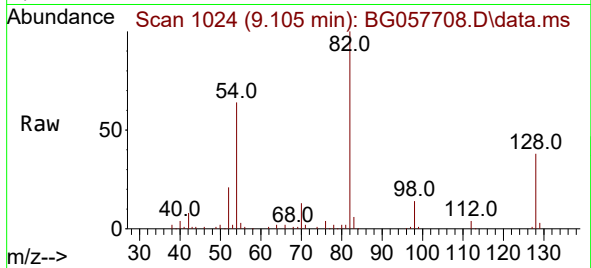




#24
Nitrobenzene
Concen: 5.164 ng
RT: 9.105 min Scan# 1024
Delta R.T. -0.040 min
Lab File: BG057708.D
Acq: 14 Jun 2023 15:08

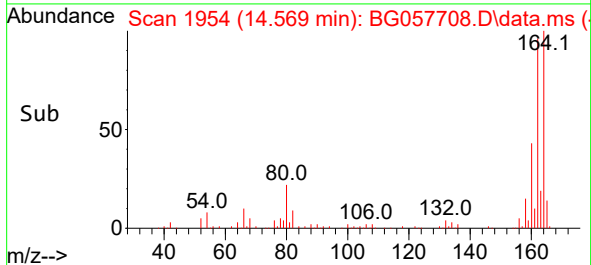
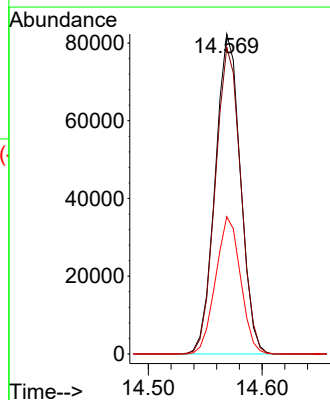
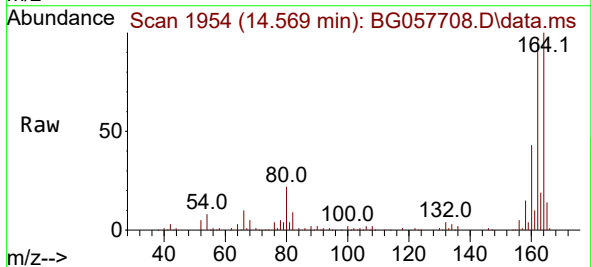
Instrument :
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ClientSampleId :
CMC-EME-Topsoil-002

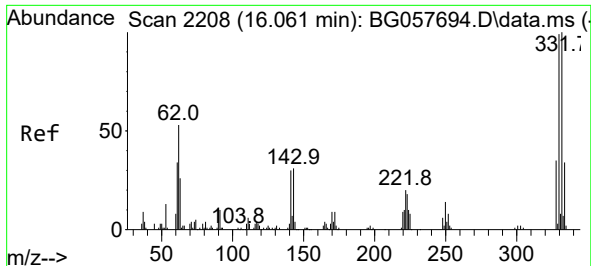
Tgt Ion: 77 Resp: 322
Ion Ratio Lower Upper
77 100
123 0.0 31.2 46.8#
65 0.0 11.6 17.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1954
Delta R.T. -0.005 min
Lab File: BG057708.D
Acq: 14 Jun 2023 15:08

Tgt Ion:164 Resp: 127011
Ion Ratio Lower Upper
164 100
162 95.9 77.7 116.5
160 42.9 35.1 52.7

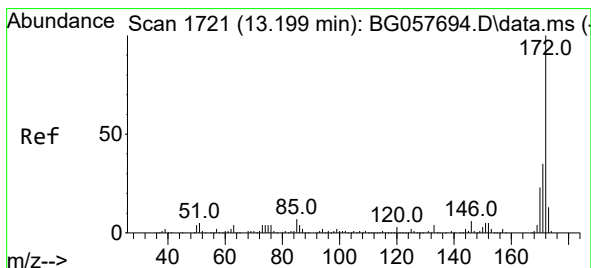
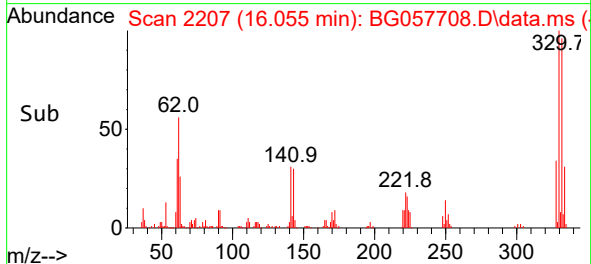
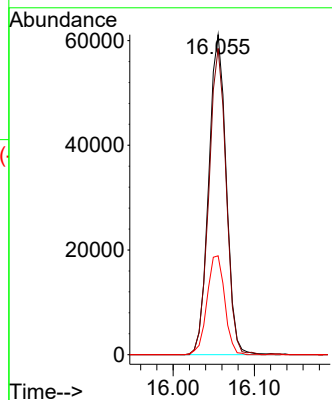
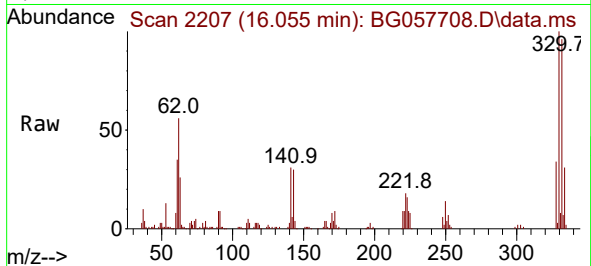




#42
2,4,6-Tribromophenol
Concen: 64.421 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG057708.D
Acq: 14 Jun 2023 15:08

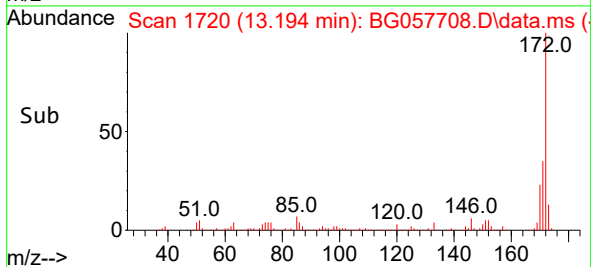
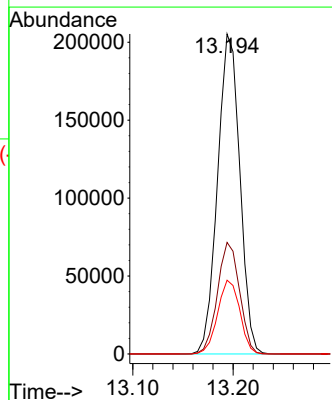
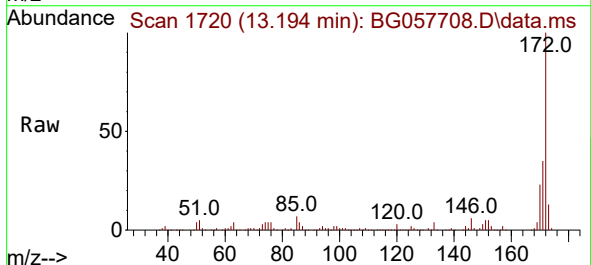
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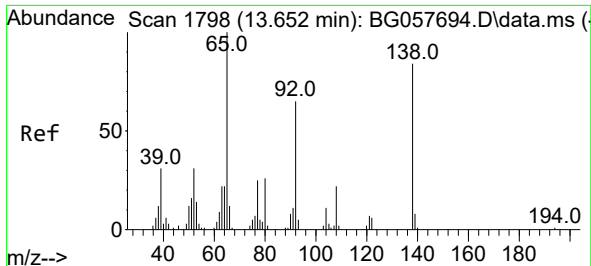
Tgt Ion:330 Resp: 91285
Ion Ratio Lower Upper
330 100
332 94.5 79.0 118.6
141 31.2 25.0 37.6



#45
2-Fluorobiphenyl
Concen: 37.061 ng
RT: 13.194 min Scan# 1720
Delta R.T. -0.005 min
Lab File: BG057708.D
Acq: 14 Jun 2023 15:08

Tgt Ion:172 Resp: 315786
Ion Ratio Lower Upper
172 100
171 34.9 27.9 41.9
170 23.0 18.2 27.4

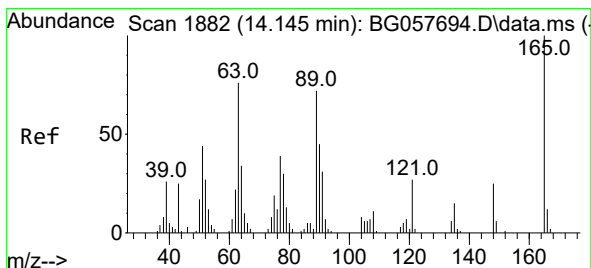
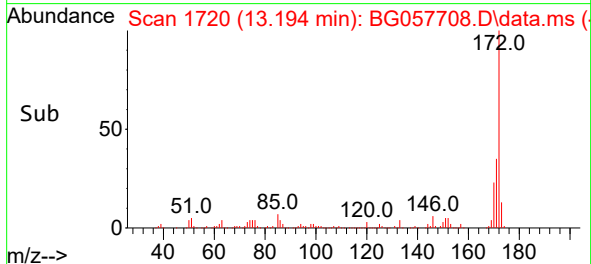
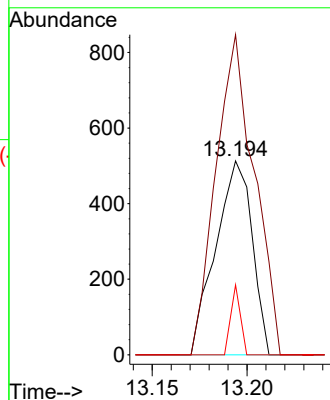
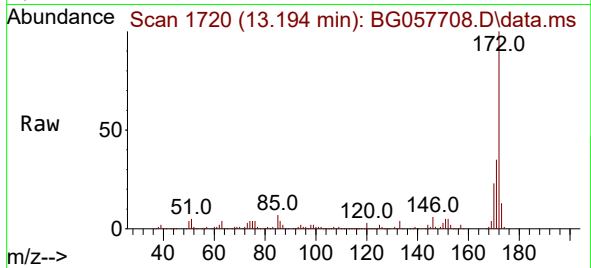




#48
2-Nitroaniline
Concen: 4.563 ng
RT: 13.194 min Scan# 11
Delta R.T. -0.458 min
Lab File: BG057708.D
Acq: 14 Jun 2023 15:08

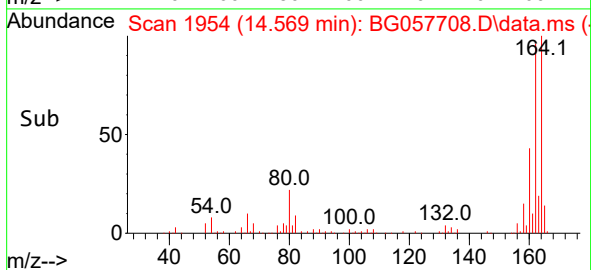
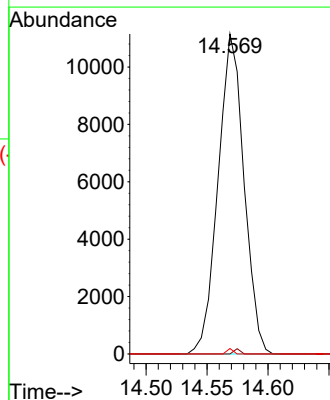
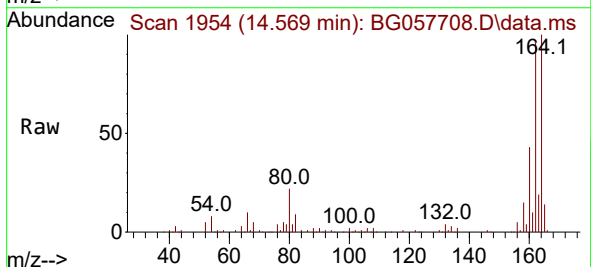
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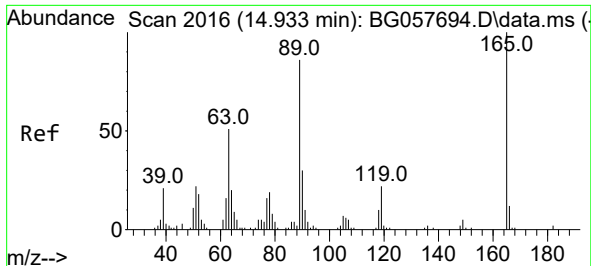
Tgt Ion: 65 Resp: 685
Ion Ratio Lower Upper
65 100
92 165.1 52.2 78.4#
138 36.1 67.0 100.4#



#51
2,6-Dinitrotoluene
Concen: 17.667 ng
RT: 14.569 min Scan# 1954
Delta R.T. 0.424 min
Lab File: BG057708.D
Acq: 14 Jun 2023 15:08

Tgt Ion:165 Resp: 16475
Ion Ratio Lower Upper
165 100
63 0.0 62.3 93.5#
89 1.7 57.4 86.0#





#57

2,4-Dinitrotoluene

Concen: 14.667 ng

RT: 14.569 min Scan# 1954

Delta R.T. -0.364 min

Lab File: BG057708.D

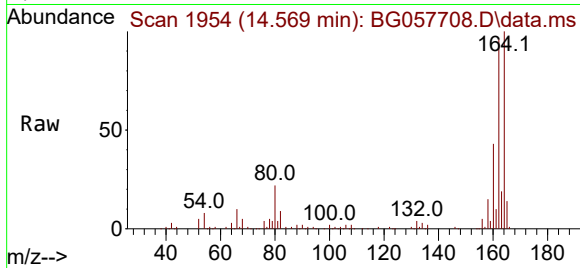
Acq: 14 Jun 2023 15:08

Instrument :

BNA_G

ClientSampleId :

CMC-EME-Topsoil-002



Tgt Ion:165 Resp: 16475

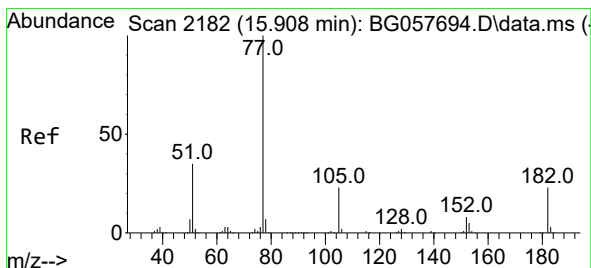
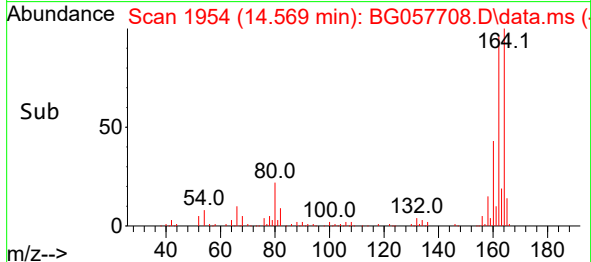
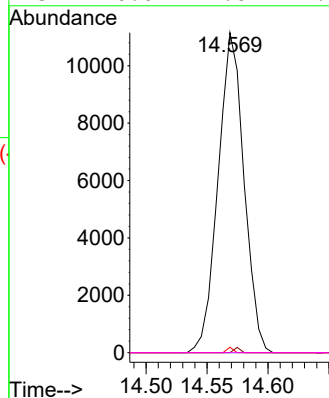
Ion Ratio Lower Upper

165 100

63 0.0 40.8 61.2#

89 1.7 68.5 102.7#

182 0.0 1.6 2.4#



#63

Azobenzene

Concen: 2.546 ng

RT: 15.926 min Scan# 2185

Delta R.T. 0.018 min

Lab File: BG057708.D

Acq: 14 Jun 2023 15:08

Tgt Ion: 77 Resp: 26313

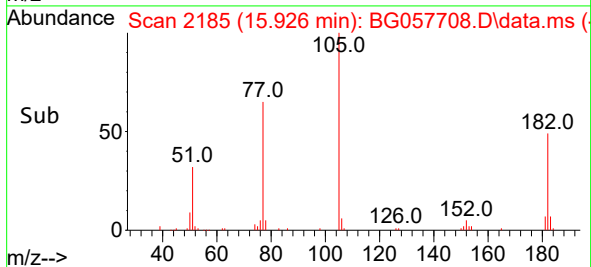
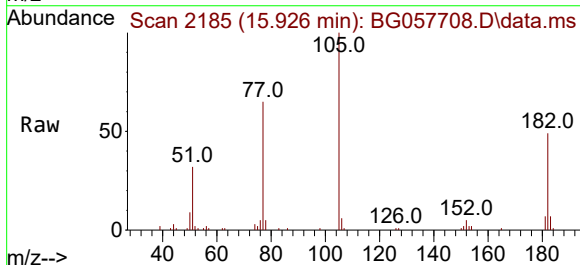
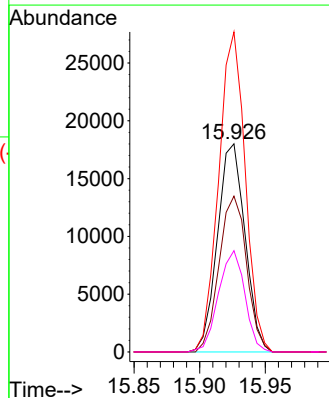
Ion Ratio Lower Upper

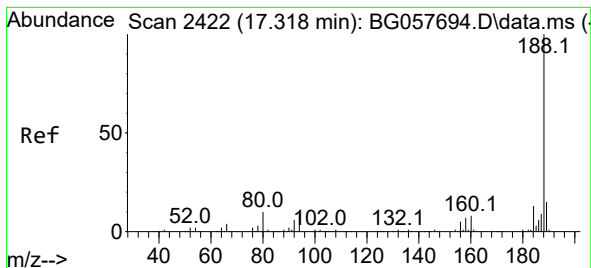
77 100

182 74.9 3.2 43.2#

105 153.7 3.3 43.3#

51 48.6 15.2 55.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.313 min Scan# 24

Delta R.T. -0.005 min

Lab File: BG057708.D

Acq: 14 Jun 2023 15:08

Instrument :

BNA_G

ClientSampleId :

CMC-EME-Topsoil-002

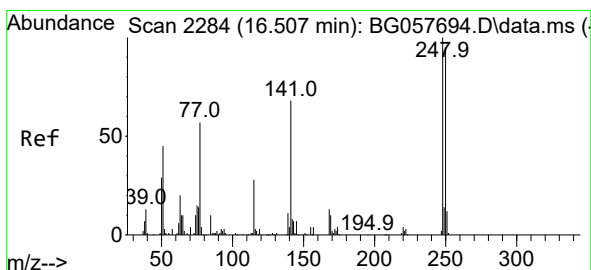
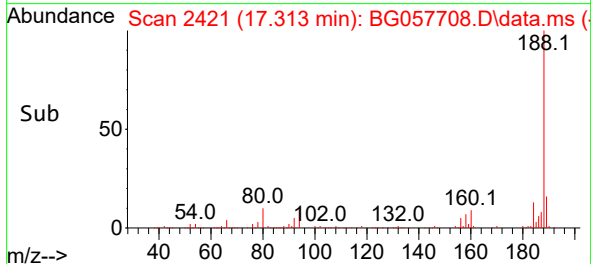
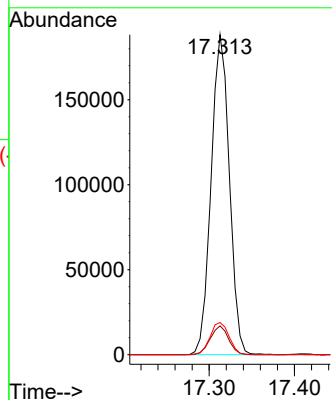
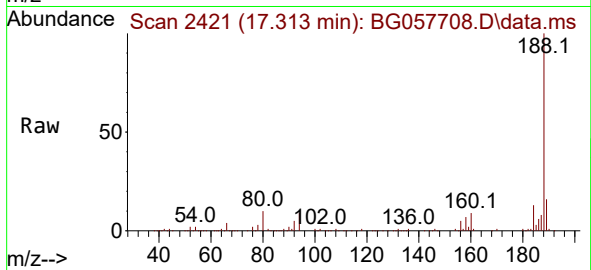
Tgt Ion:188 Resp: 279510

Ion Ratio Lower Upper

188 100

94 9.0 6.9 10.3

80 10.1 8.2 12.4



#67

4-Bromophenyl-phenylether

Concen: 2.123 ng

RT: 16.049 min Scan# 2206

Delta R.T. -0.458 min

Lab File: BG057708.D

Acq: 14 Jun 2023 15:08

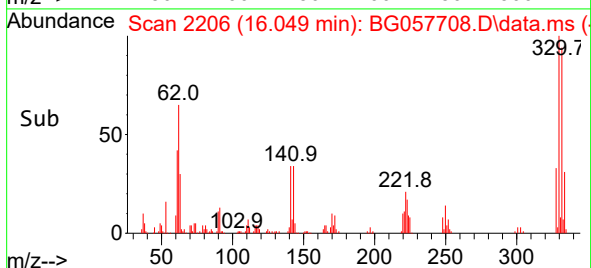
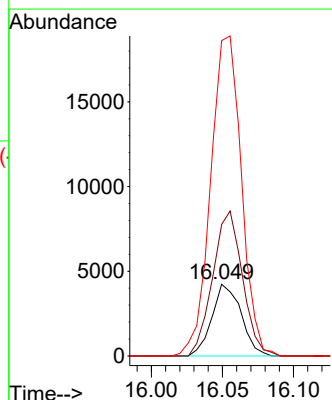
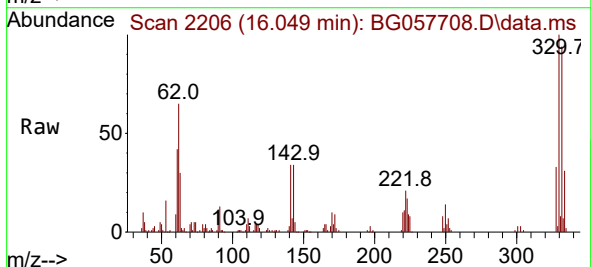
Tgt Ion:248 Resp: 6043

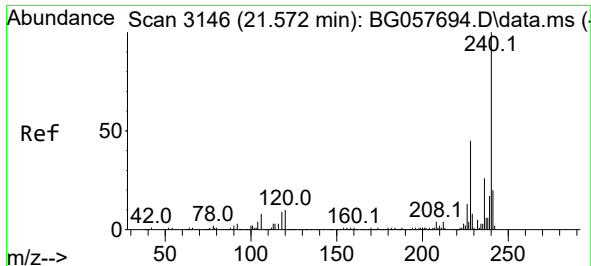
Ion Ratio Lower Upper

248 100

250 183.5 76.3 114.5#

141 439.9 54.6 82.0#

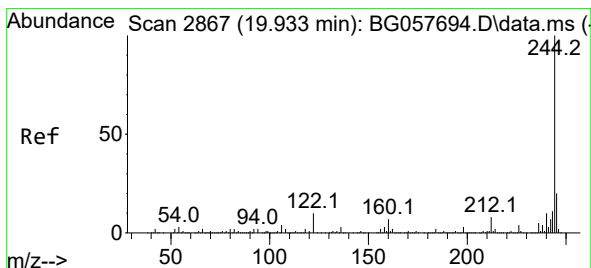
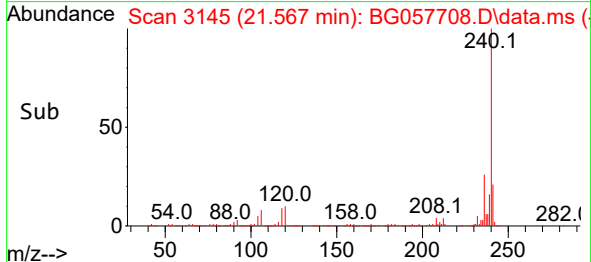
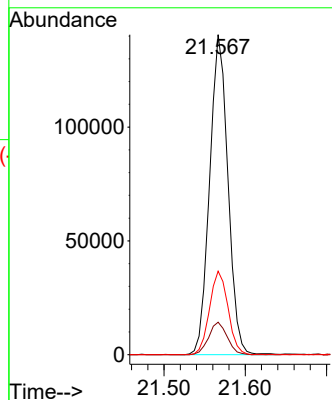
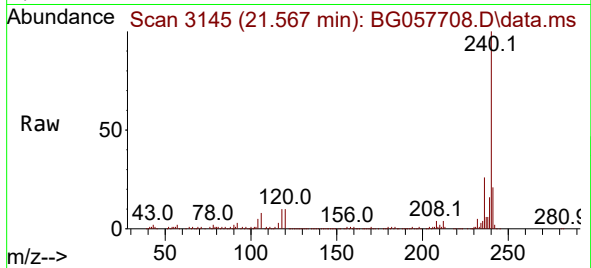




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.567 min Scan# 3145
Delta R.T. -0.005 min
Lab File: BG057708.D
Acq: 14 Jun 2023 15:08

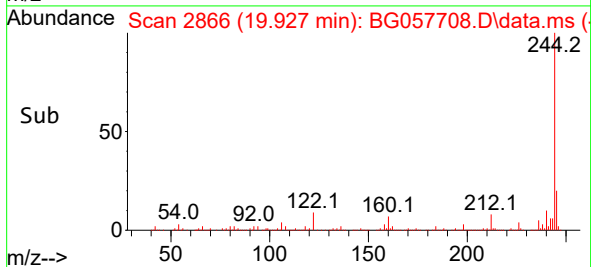
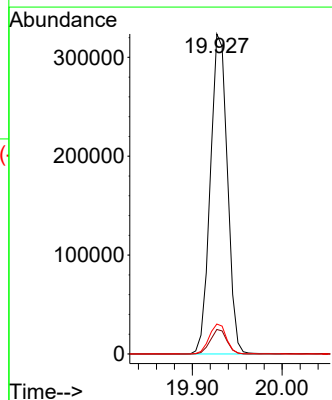
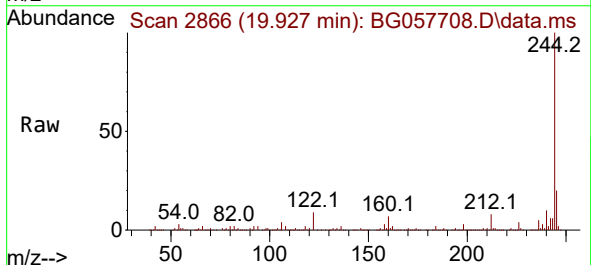
Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-002

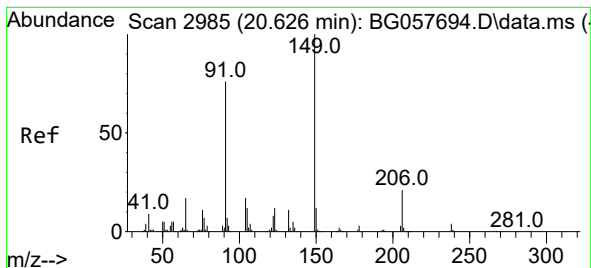
Tgt Ion:240 Resp: 219754
Ion Ratio Lower Upper
240 100
120 10.2 8.1 12.1
236 26.1 20.7 31.1



#79
Terphenyl-d14
Concen: 35.965 ng
RT: 19.927 min Scan# 2866
Delta R.T. -0.005 min
Lab File: BG057708.D
Acq: 14 Jun 2023 15:08

Tgt Ion:244 Resp: 427472
Ion Ratio Lower Upper
244 100
212 7.6 6.0 9.0
122 9.4 7.7 11.5





#80

Butylbenzylphthalate

Concen: 4.149 ng

RT: 20.626 min Scan# 2985

Delta R.T. 0.000 min

Lab File: BG057708.D

Acq: 14 Jun 2023 15:08

Instrument :

BNA_G

ClientSampleId :

CMC-EME-Topsoil-002

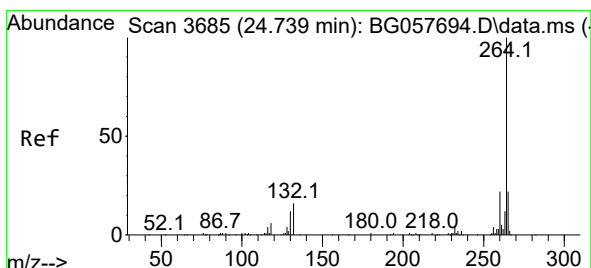
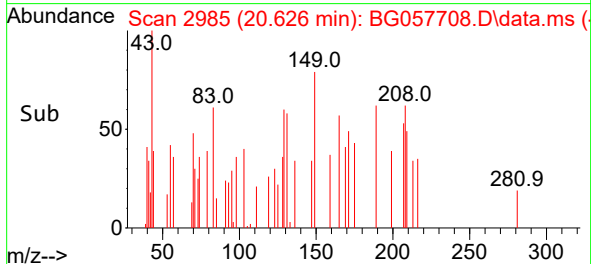
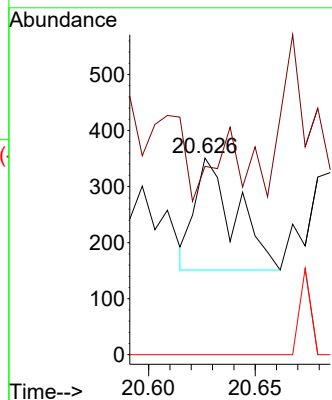
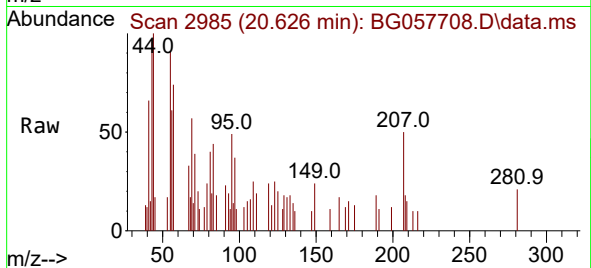
Tgt Ion:149 Resp: 263

Ion Ratio Lower Upper

149 100

91 95.7 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. -0.005 min

Lab File: BG057708.D

Acq: 14 Jun 2023 15:08

Tgt Ion:264 Resp: 264500

Ion Ratio Lower Upper

264 100

260 22.8 17.3 25.9

265 20.7 17.5 26.3

