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 Data File : BG057709.D
 Acq On : 14 Jun 2023 15:50
 Operator : CG/JU
 Sample : 03141-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

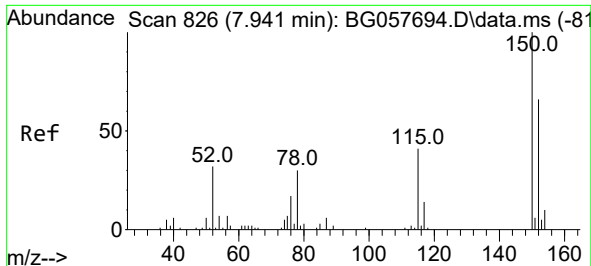
Instrument :
 BNA_G
 ClientSampleId :
 CMC-EME-Topsoil-004

Quant Time: Jun 15 01:21:56 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	7.938	152	38280	20.000	ng	0.00
21) Naphthalene-d8	10.740	136	158167	20.000	ng	0.00
39) Acenaphthene-d10	14.571	164	103043	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	236365	20.000	ng	0.00
76) Chrysene-d12	21.569	240	189818	20.000	ng	0.00
86) Perylene-d12	24.735	264	228037	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.511	112	193059	82.120	ng	0.00
7) Phenol-d6	7.091	99	272038	75.324	ng	0.00
23) Nitrobenzene-d5	9.095	82	140370	60.204	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	97183	84.536	ng	0.00
45) 2-Fluorobiphenyl	13.196	172	334172	48.341	ng	0.00
79) Terphenyl-d14	19.929	244	460569	44.860	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.095	70	19038	7.290	ng	# 84
24) Nitrobenzene	9.089	77	447	5.217	ng	# 44
48) 2-Nitroaniline	13.901	65	54	4.103	ng	# 20
51) 2,6-Dinitrotoluene	14.571	165	12970	17.301	ng	# 15
57) 2,4-Dinitrotoluene	14.571	165	12970	14.376	ng	# 18
63) Azobenzene	15.922	77	26548	3.166	ng	# 1
67) 4-Bromophenyl-phenylether	16.052	248	6440	2.676	ng	# 1
80) Butylbenzylphthalate	20.623	149	751	4.246	ng	# 78

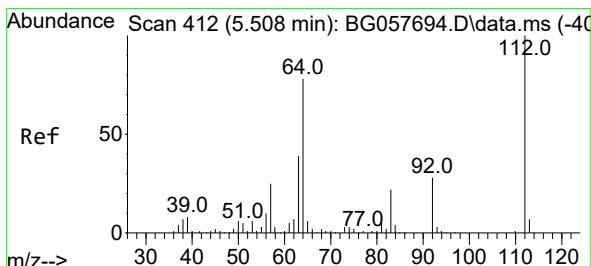
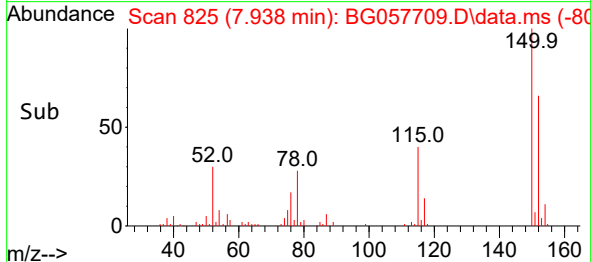
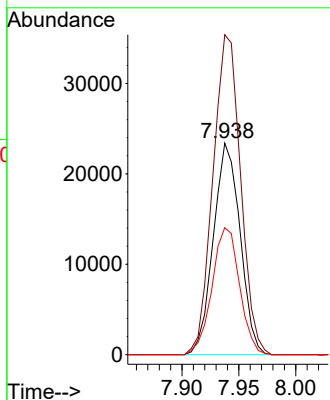
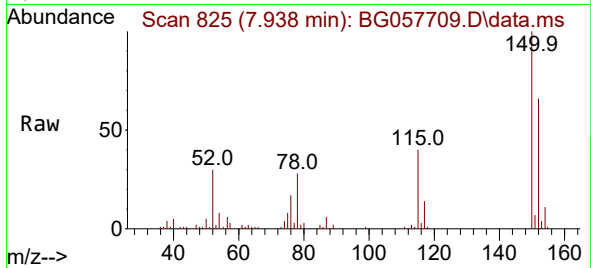
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.938 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

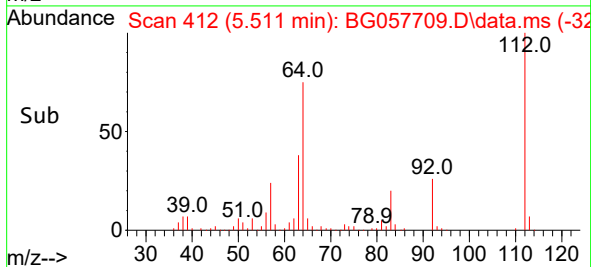
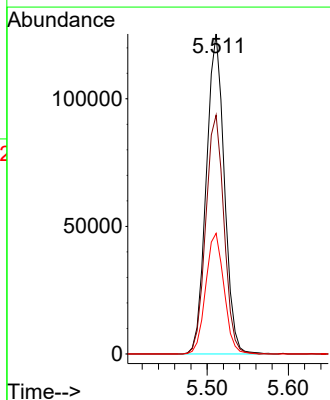
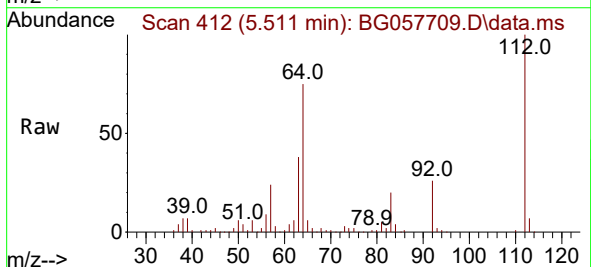
Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-004

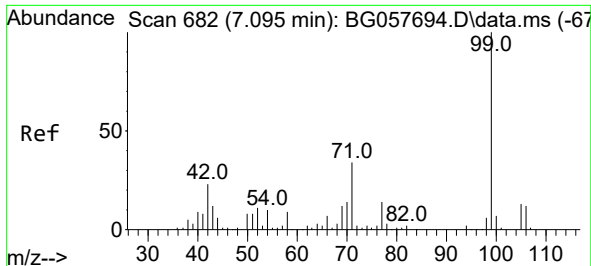
Tgt Ion:152 Resp: 38280
Ion Ratio Lower Upper
152 100
150 151.3 120.8 181.2
115 60.1 49.4 74.2



#5
2-Fluorophenol
Concen: 82.120 ng
RT: 5.511 min Scan# 412
Delta R.T. 0.003 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

Tgt Ion:112 Resp: 193059
Ion Ratio Lower Upper
112 100
64 74.7 62.3 93.5
63 37.7 31.5 47.3

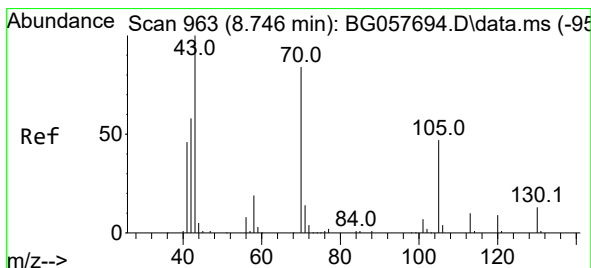
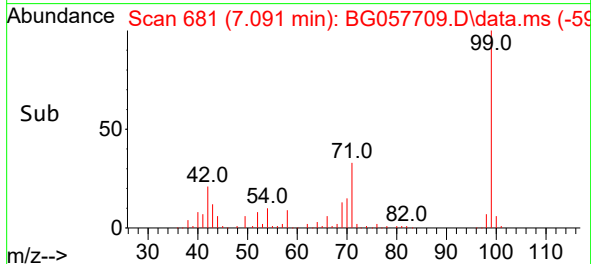
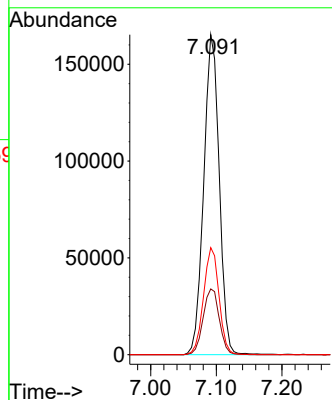
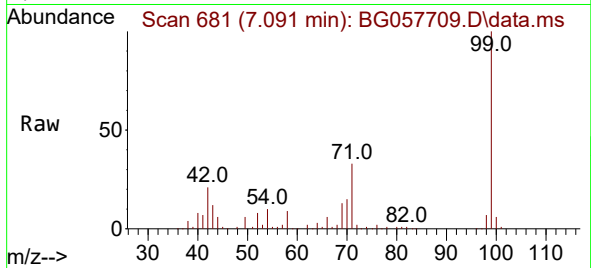




#7
Phenol-d6
Concen: 75.324 ng
RT: 7.091 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

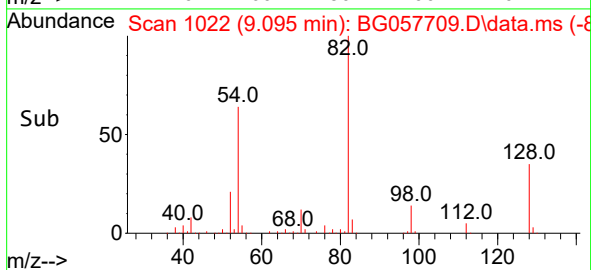
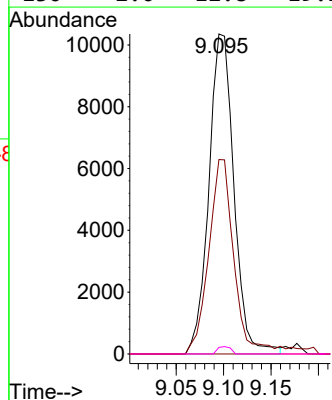
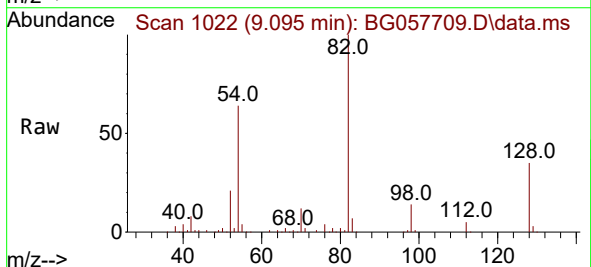
Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-004

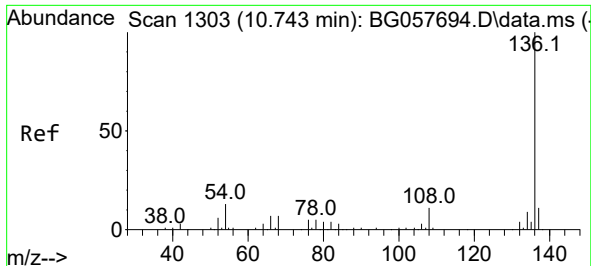
Tgt Ion: 99 Resp: 272038
Ion Ratio Lower Upper
99 100
42 20.6 18.3 27.5
71 33.5 27.5 41.3



#19
n-Nitroso-di-n-propylamine
Concen: 7.290 ng
RT: 9.095 min Scan# 1022
Delta R.T. 0.349 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

Tgt Ion: 70 Resp: 19038
Ion Ratio Lower Upper
70 100
42 60.8 56.6 84.8
101 0.0 6.2 9.4#
130 2.0 12.8 19.2#

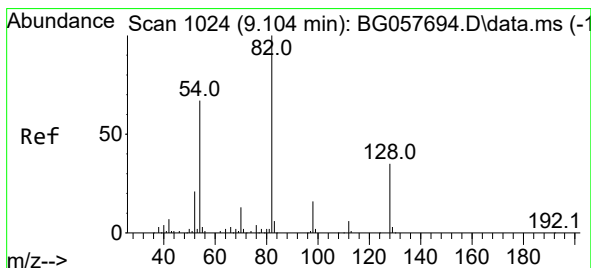
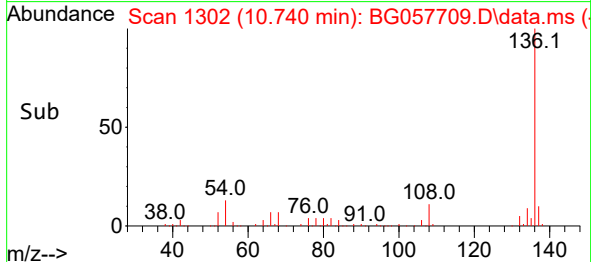
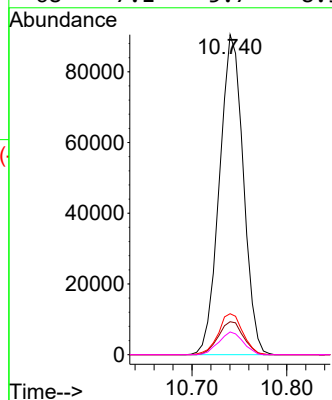
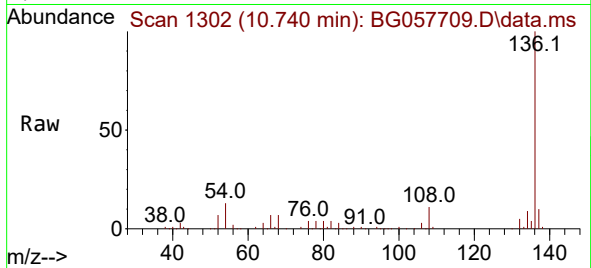




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.740 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

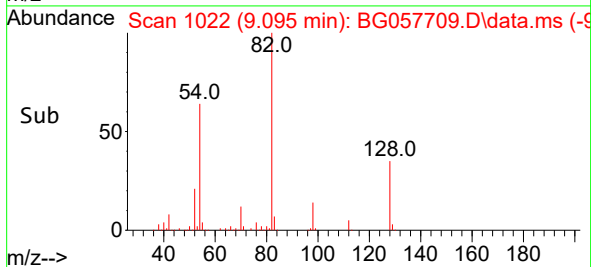
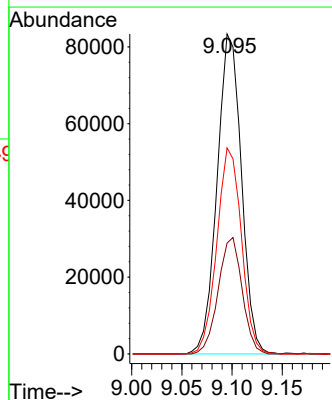
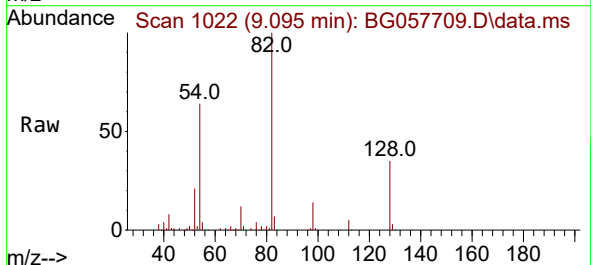
Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-004

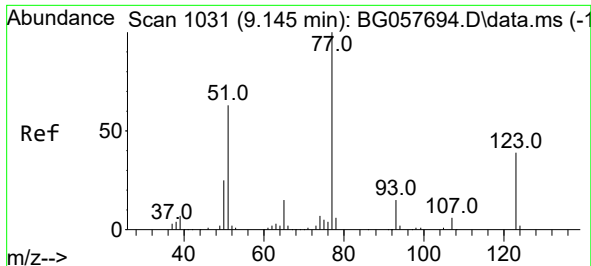
Tgt Ion:136 Resp: 158167
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 12.8 10.8 16.2
68 7.1 5.7 8.5



#23
Nitrobenzene-d5
Concen: 60.204 ng
RT: 9.095 min Scan# 1022
Delta R.T. -0.009 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

Tgt Ion: 82 Resp: 140370
Ion Ratio Lower Upper
82 100
128 34.6 27.7 41.5
54 64.4 53.8 80.8

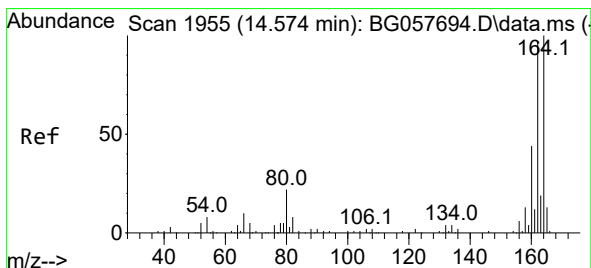
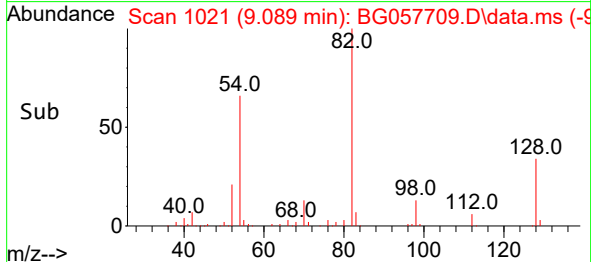
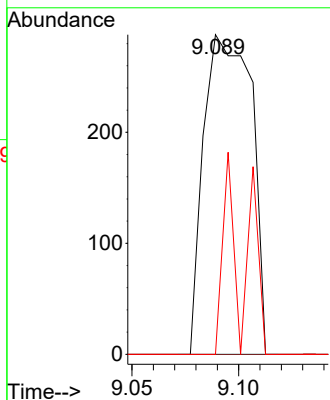
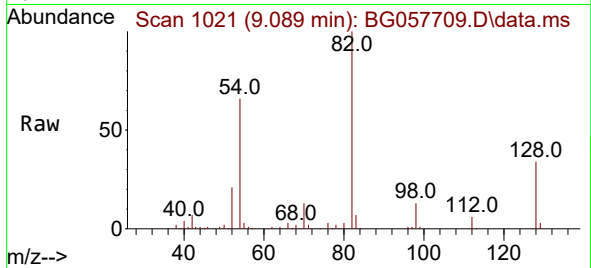




#24
Nitrobenzene
Concen: 5.217 ng
RT: 9.089 min Scan# 1031
Delta R.T. -0.056 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

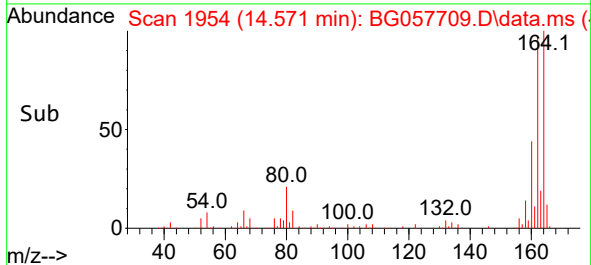
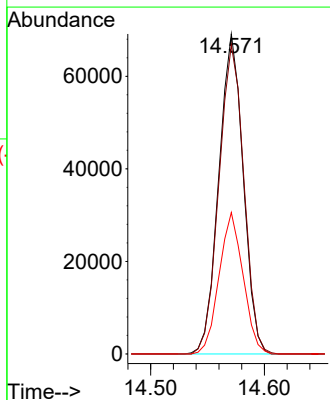
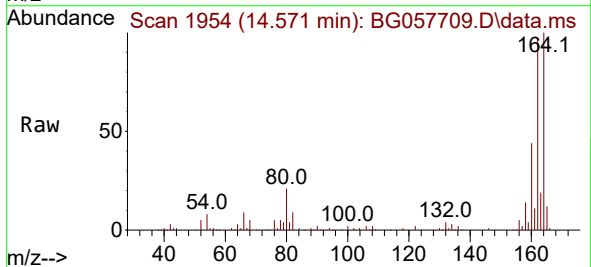
Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-004

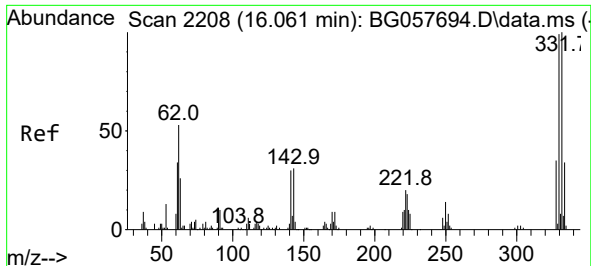
Tgt Ion: 77 Resp: 447
Ion Ratio Lower Upper
77 100
123 0.0 31.2 46.8#
65 0.0 11.6 17.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.571 min Scan# 1954
Delta R.T. -0.003 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

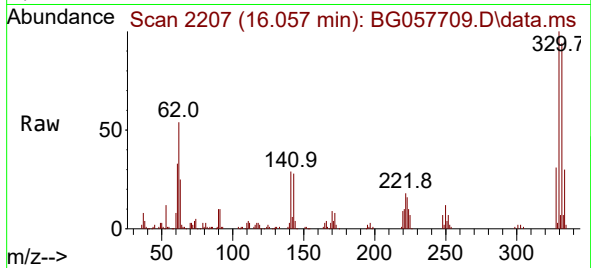
Tgt Ion:164 Resp: 103043
Ion Ratio Lower Upper
164 100
162 96.6 77.7 116.5
160 44.2 35.1 52.7



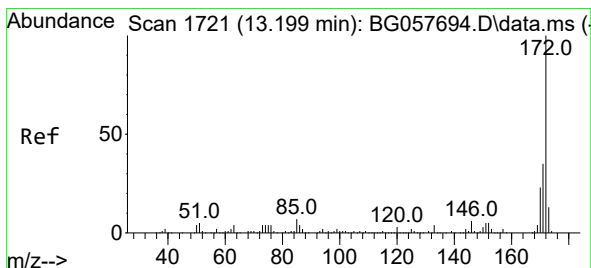
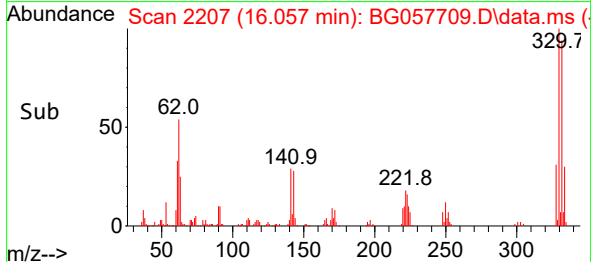
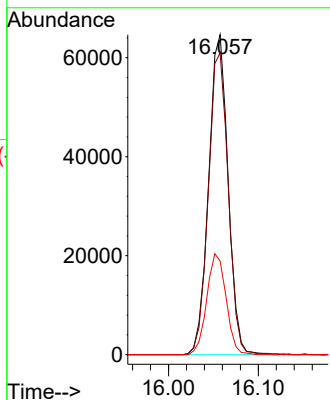


#42
2,4,6-Tribromophenol
Concen: 84.536 ng
RT: 16.057 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-004

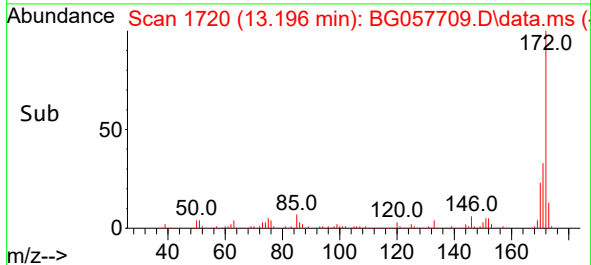
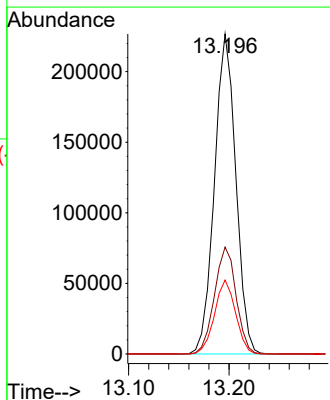
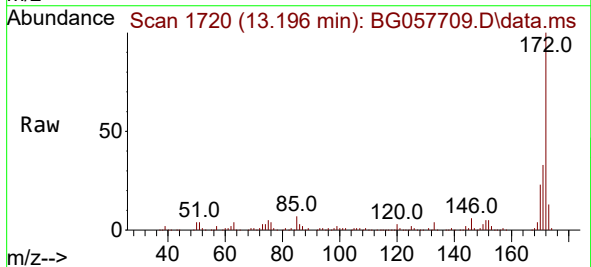


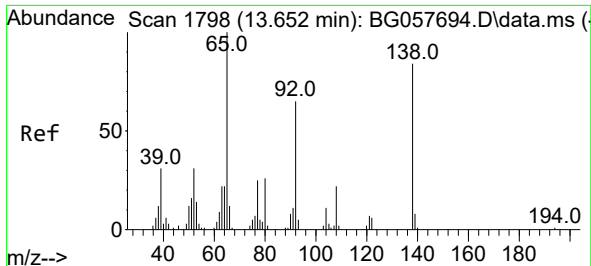
Tgt Ion:330 Resp: 97183
Ion Ratio Lower Upper
330 100
332 96.2 79.0 118.6
141 31.3 25.0 37.6



#45
2-Fluorobiphenyl
Concen: 48.341 ng
RT: 13.196 min Scan# 1720
Delta R.T. -0.003 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

Tgt Ion:172 Resp: 334172
Ion Ratio Lower Upper
172 100
171 33.4 27.9 41.9
170 23.1 18.2 27.4

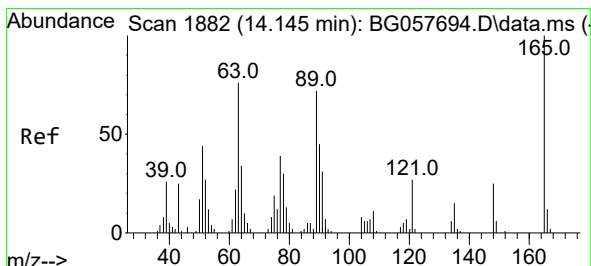
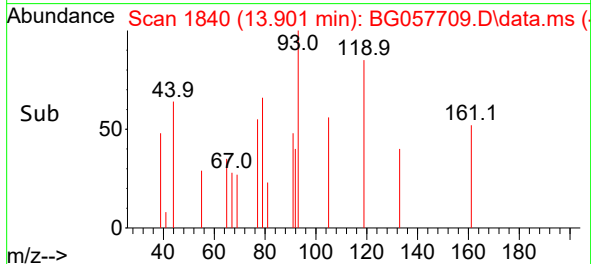
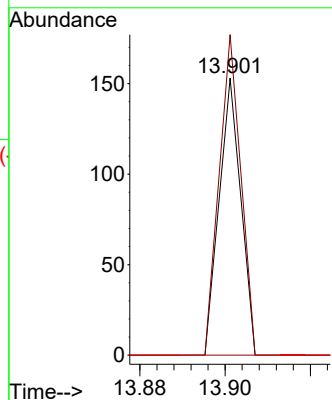
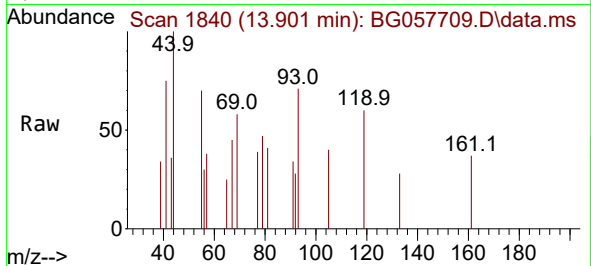




#48
2-Nitroaniline
Concen: 4.103 ng
RT: 13.901 min Scan# 11
Delta R.T. 0.249 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

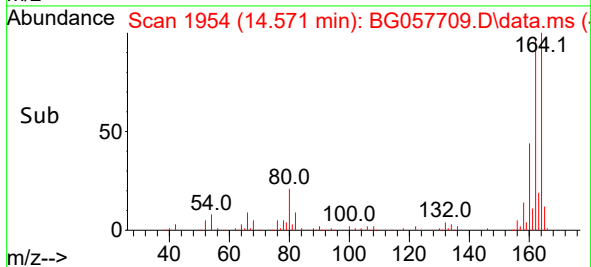
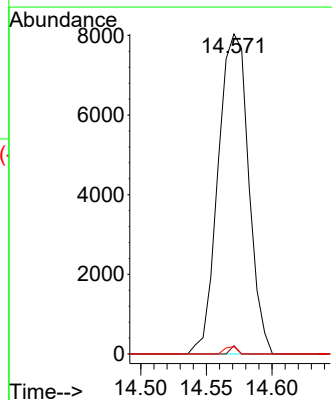
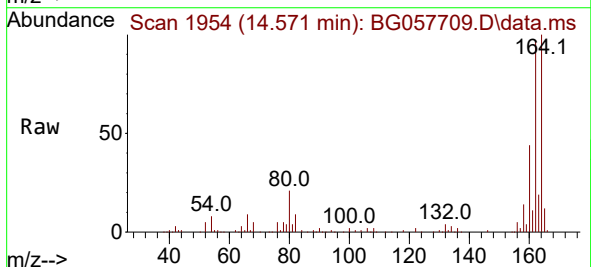
Instrument :
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ClientSampleId :
CMC-EME-Topsoil-004

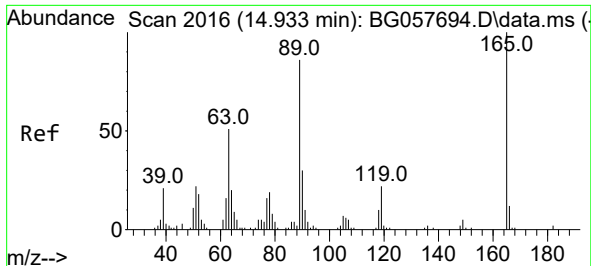
Tgt Ion: 65 Resp: 54
Ion Ratio Lower Upper
65 100
92 115.7 52.2 78.4#
138 0.0 67.0 100.4#



#51
2,6-Dinitrotoluene
Concen: 17.301 ng
RT: 14.571 min Scan# 1954
Delta R.T. 0.426 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

Tgt Ion: 165 Resp: 12970
Ion Ratio Lower Upper
165 100
63 2.6 62.3 93.5#
89 2.3 57.4 86.0#





#57

2,4-Dinitrotoluene

Concen: 14.376 ng

RT: 14.571 min Scan# 1954

Delta R.T. -0.362 min

Lab File: BG057709.D

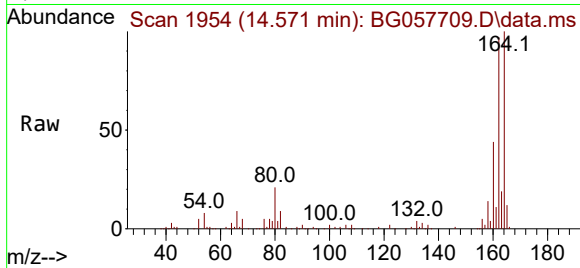
Acq: 14 Jun 2023 15:50

Instrument :

BNA_G

ClientSampleId :

CMC-EME-Topsoil-004



Tgt Ion:165 Resp: 12970

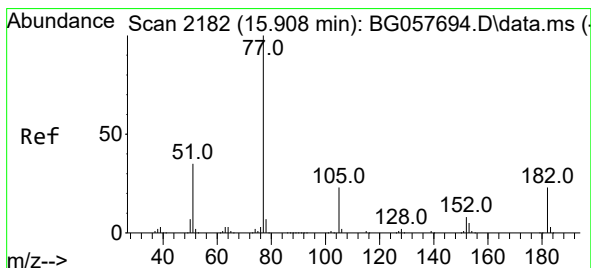
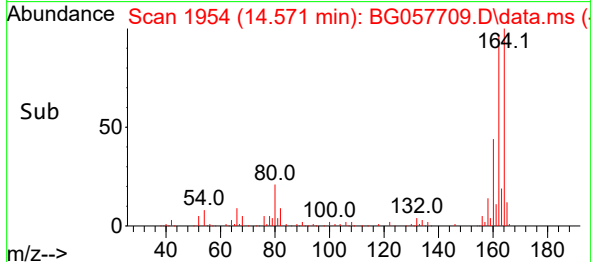
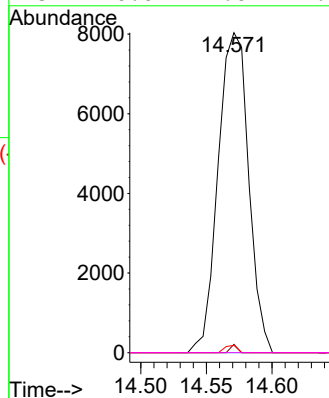
Ion Ratio Lower Upper

165 100

63 2.6 40.8 61.2#

89 2.3 68.5 102.7#

182 0.0 1.6 2.4#



#63

Azobenzene

Concen: 3.166 ng

RT: 15.922 min Scan# 2184

Delta R.T. 0.014 min

Lab File: BG057709.D

Acq: 14 Jun 2023 15:50

Tgt Ion: 77 Resp: 26548

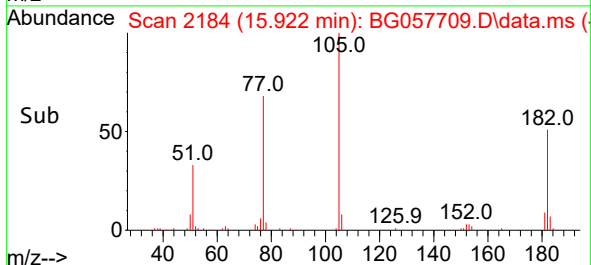
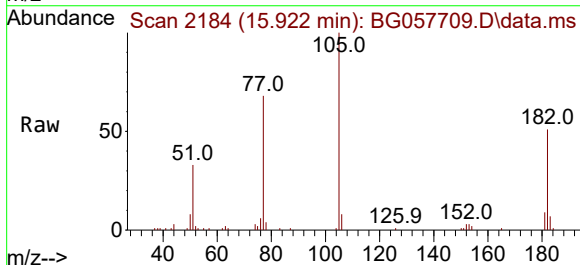
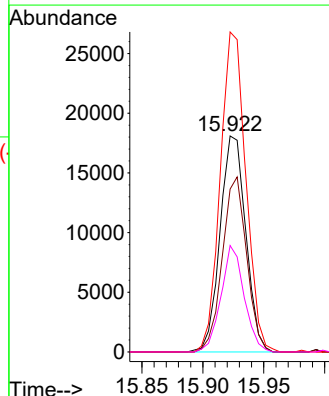
Ion Ratio Lower Upper

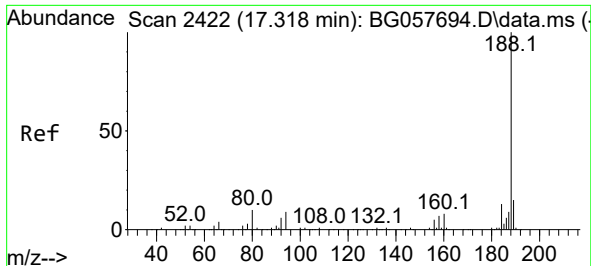
77 100

182 75.4 3.2 43.2#

105 148.1 3.3 43.3#

51 49.2 15.2 55.2

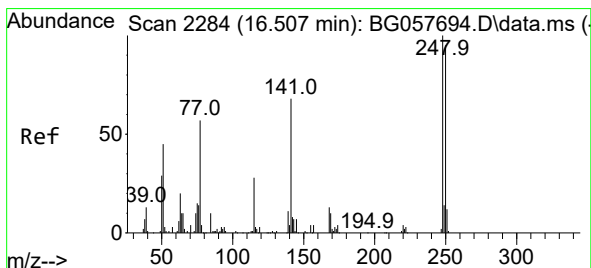
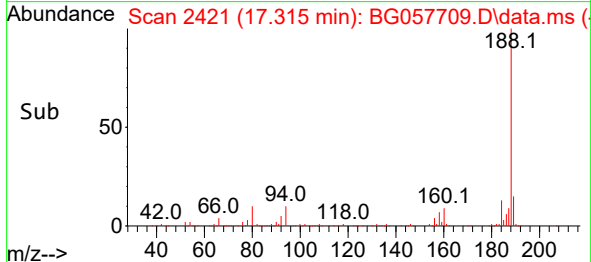
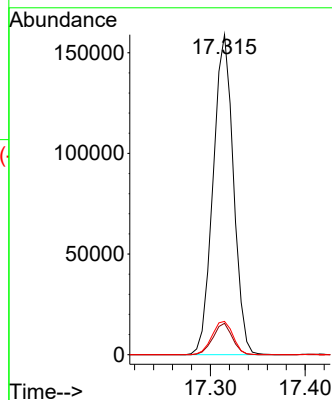
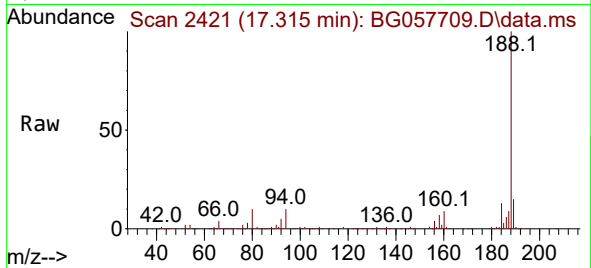




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.315 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

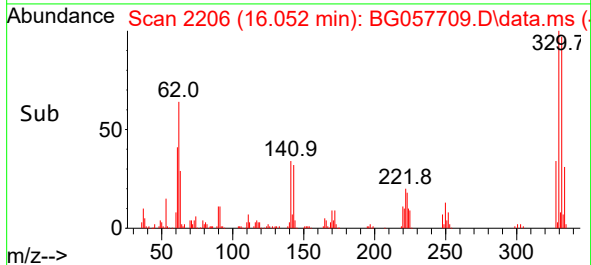
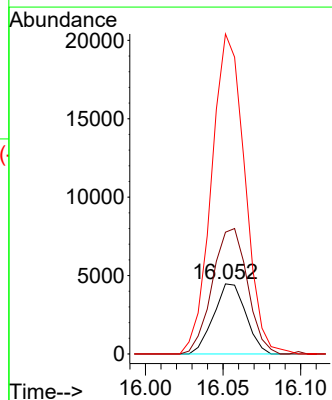
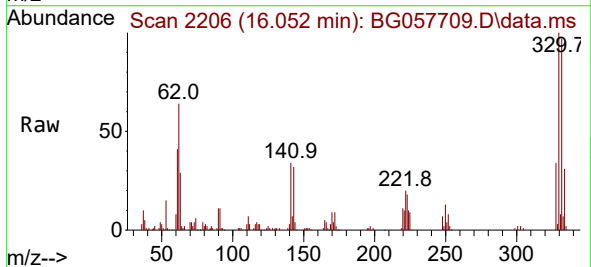
Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-004

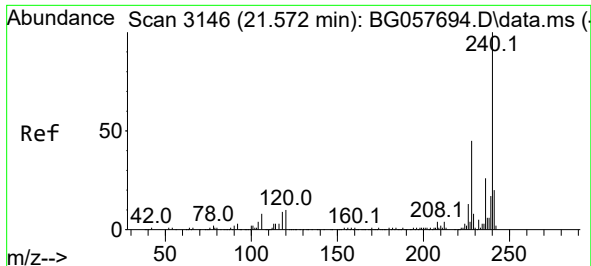
Tgt Ion:188 Resp: 236365
Ion Ratio Lower Upper
188 100
94 9.8 6.9 10.3
80 10.4 8.2 12.4



#67
4-Bromophenyl-phenylether
Concen: 2.676 ng
RT: 16.052 min Scan# 2206
Delta R.T. -0.456 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

Tgt Ion:248 Resp: 6440
Ion Ratio Lower Upper
248 100
250 173.6 76.3 114.5#
141 456.5 54.6 82.0#

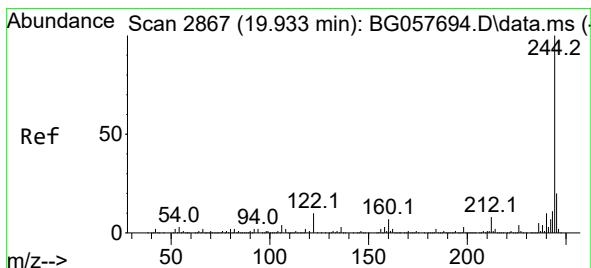
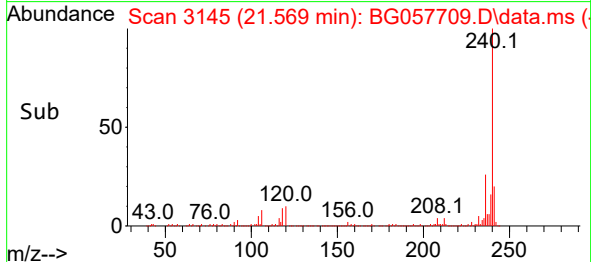
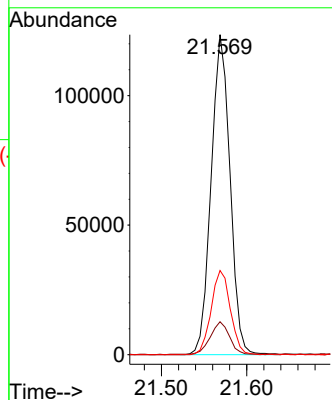
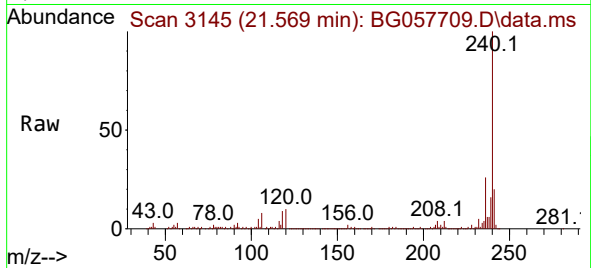




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.569 min Scan# 3145
Delta R.T. -0.003 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

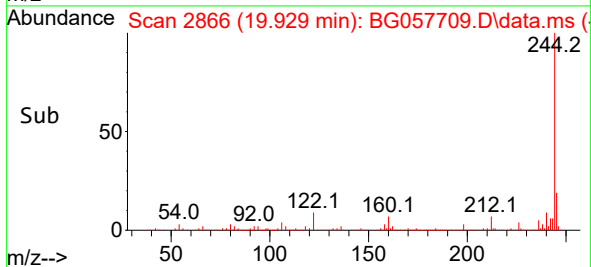
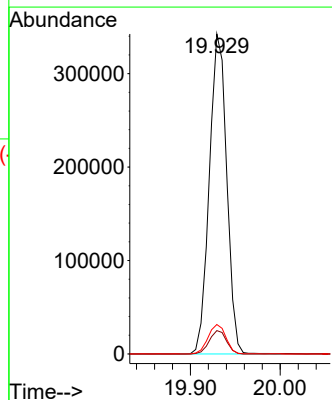
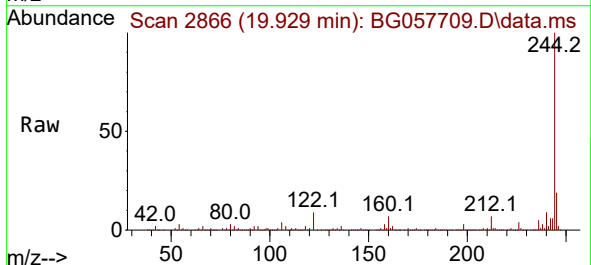
Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-004

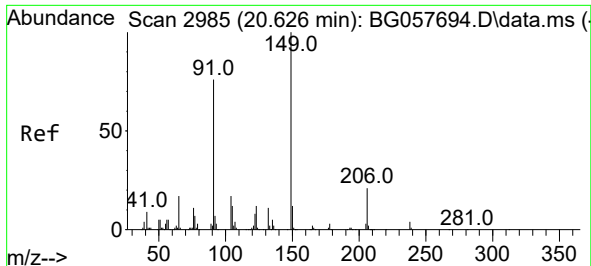
Tgt Ion:240 Resp: 189818
Ion Ratio Lower Upper
240 100
120 10.3 8.1 12.1
236 26.3 20.7 31.1



#79
Terphenyl-d14
Concen: 44.860 ng
RT: 19.929 min Scan# 2866
Delta R.T. -0.003 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

Tgt Ion:244 Resp: 460569
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 9.2 7.7 11.5

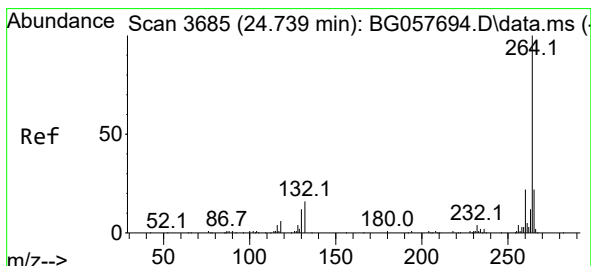
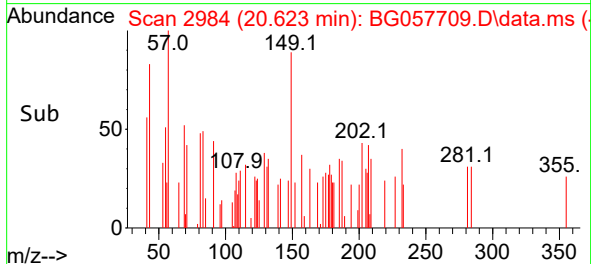
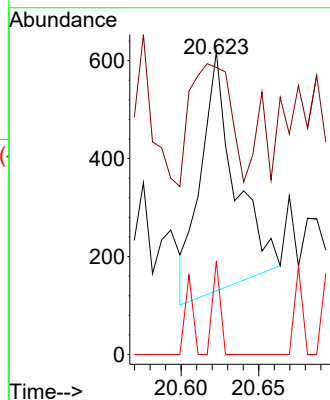
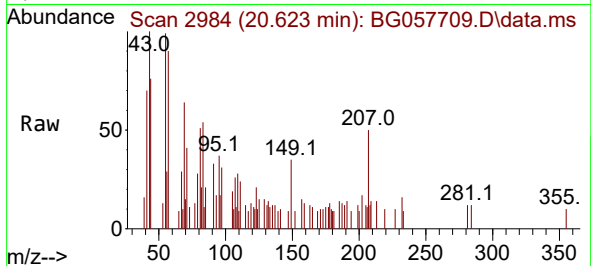




#80
Butylbenzylphthalate
Concen: 4.246 ng
RT: 20.623 min Scan# 2984
Delta R.T. -0.003 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-004

Tgt Ion:149 Resp: 751
Ion Ratio Lower Upper
149 100
91 94.8 60.8 91.2#
206 30.9 16.8 25.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.735 min Scan# 3684
Delta R.T. -0.003 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

Tgt Ion:264 Resp: 228037
Ion Ratio Lower Upper
264 100
260 22.5 17.3 25.9
265 21.5 17.5 26.3

