

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

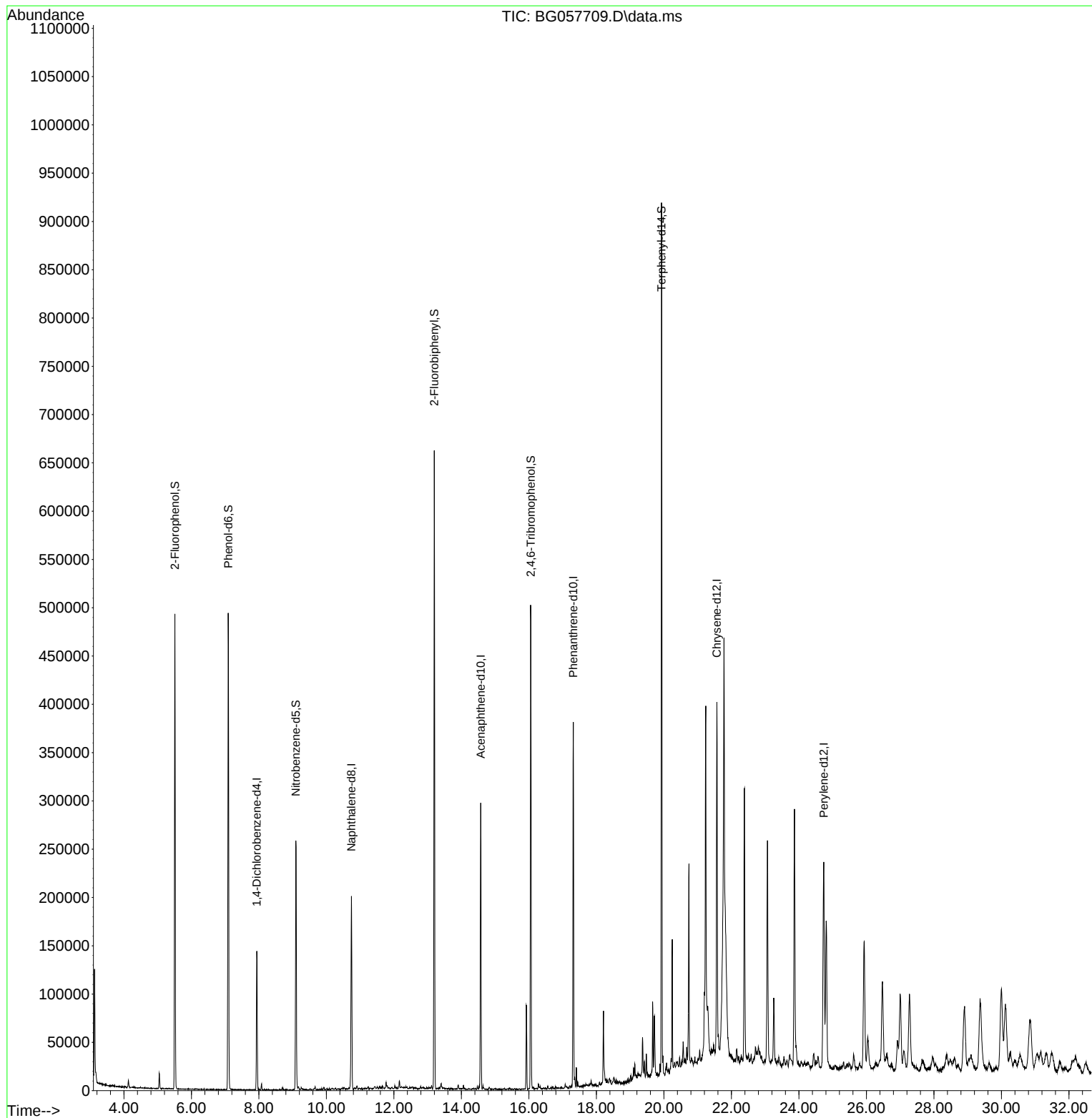
Target Compounds	Qvalue

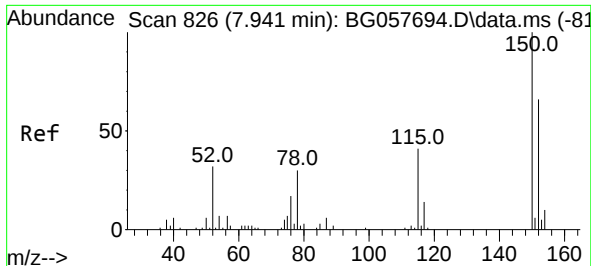
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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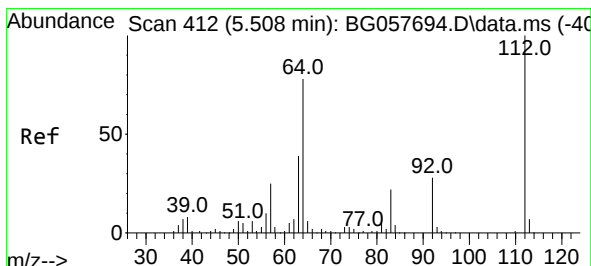
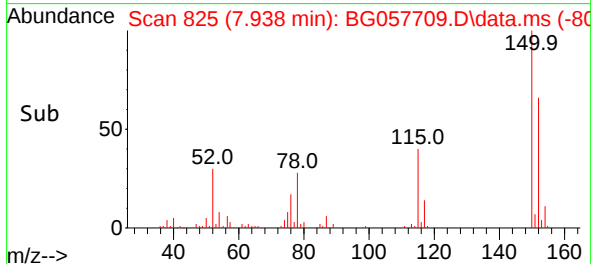
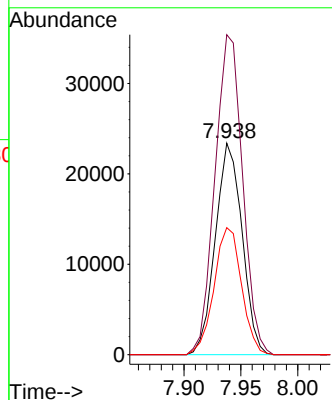
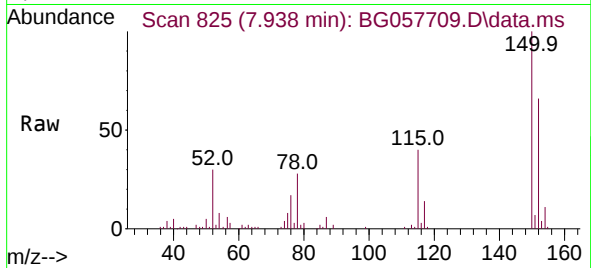




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.938 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

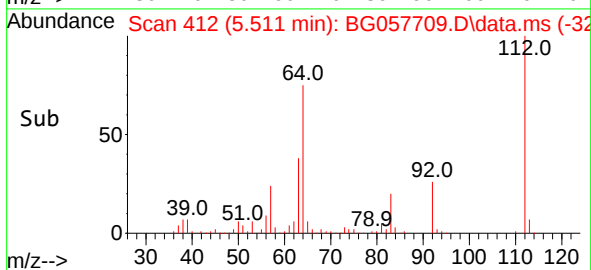
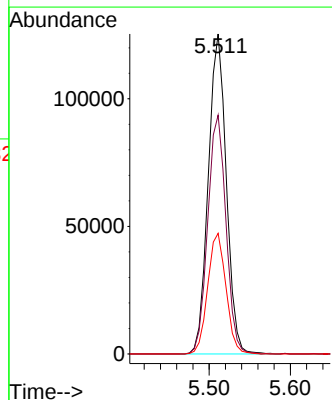
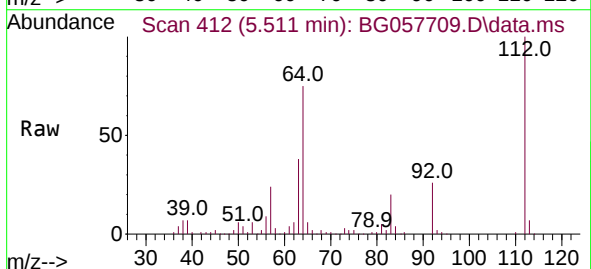
Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-004

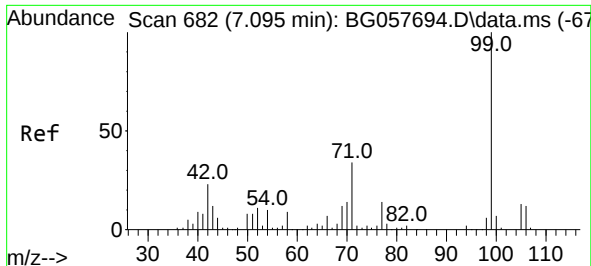
Tgt Ion:152 Resp: 38280
Ion Ratio Lower Upper
152 100
150 151.3 120.8 181.2
115 60.1 49.4 74.2



#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

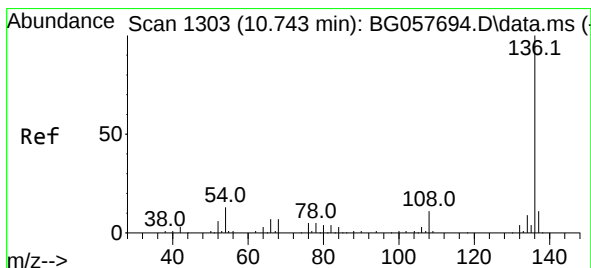
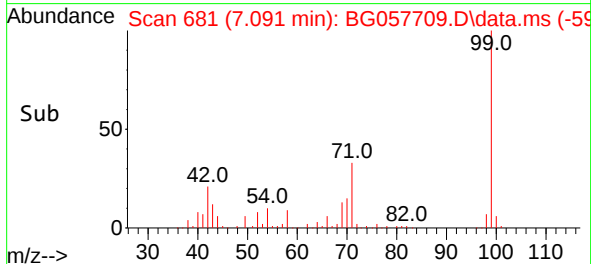
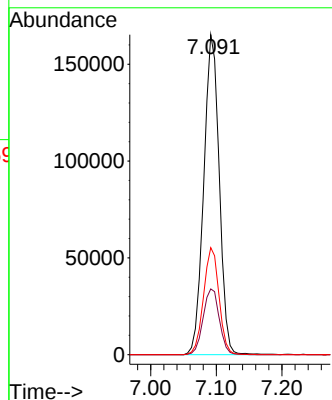
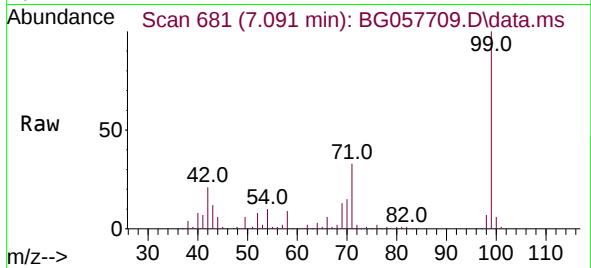




#7
Phenol-d6
Concen: 75.324 ng
RT: 7.091 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

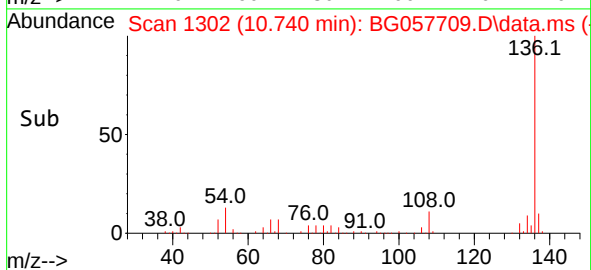
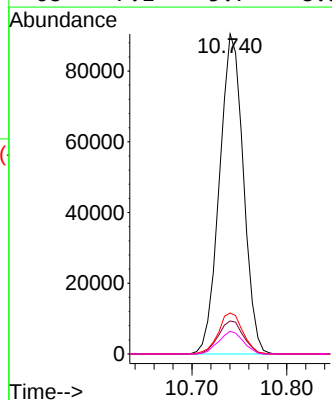
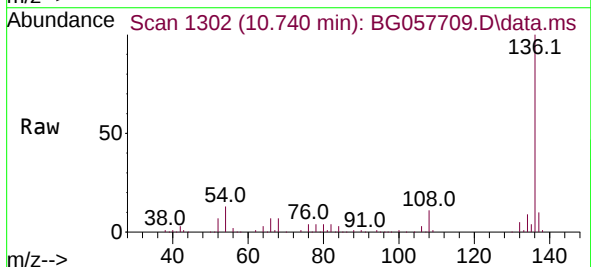
Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-004

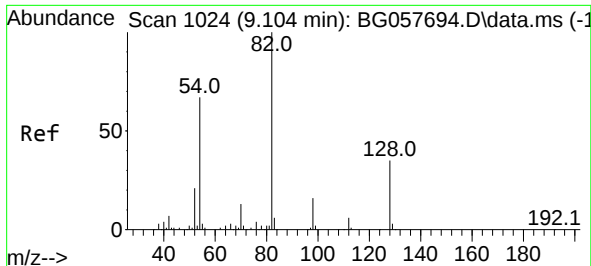
Tgt Ion: 99 Resp: 272038
Ion Ratio Lower Upper
99 100
42 20.6 18.3 27.5
71 33.5 27.5 41.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.740 min Scan# 1302
Delta R.T. -0.003 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

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

Instrument :

BNA_G

ClientSampleId :

CMC-EME-Topsoil-004

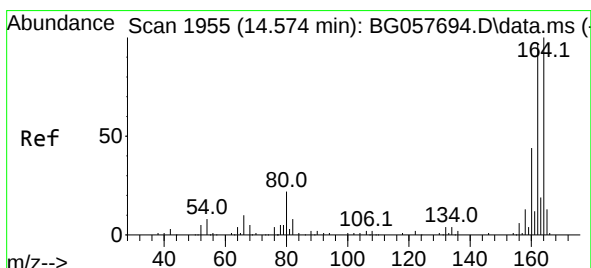
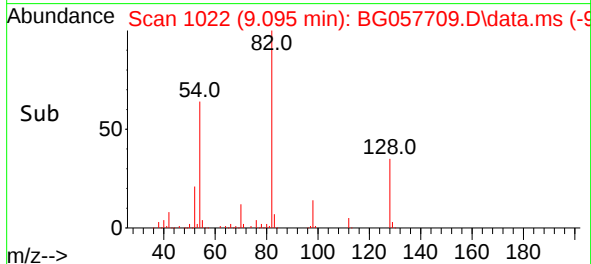
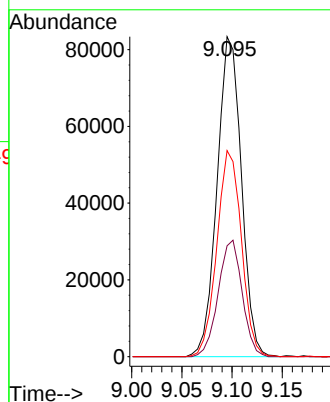
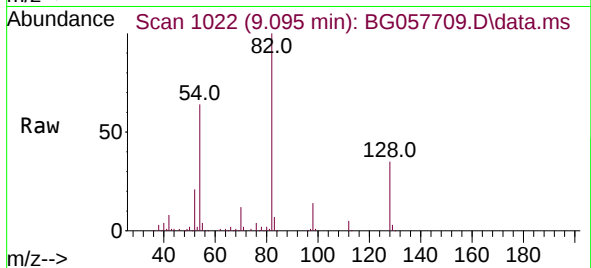
Tgt Ion: 82 Resp: 140370

Ion Ratio Lower Upper

82 100

128 34.6 27.7 41.5

54 64.4 53.8 80.8



#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

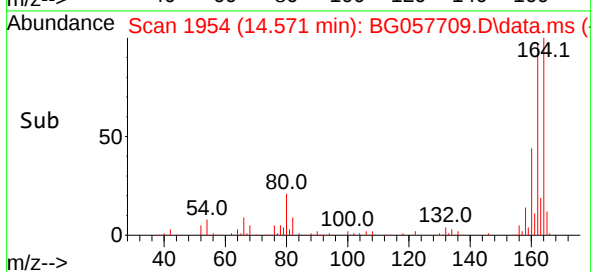
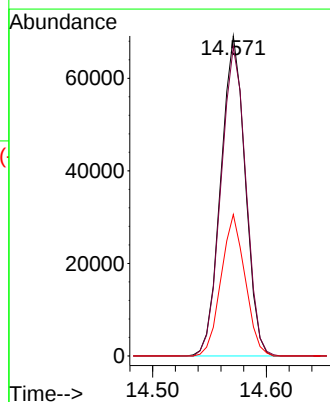
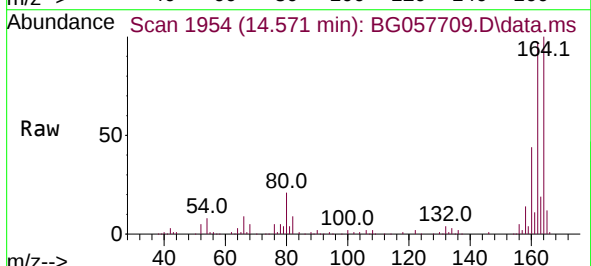
Tgt Ion: 164 Resp: 103043

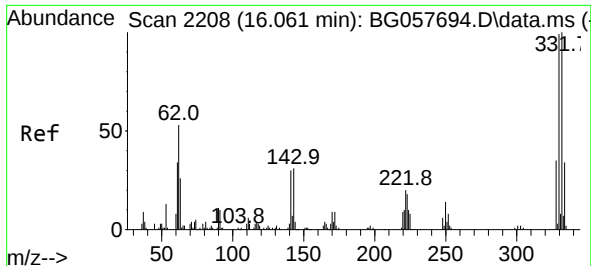
Ion Ratio Lower Upper

164 100

162 96.6 77.7 116.5

160 44.2 35.1 52.7

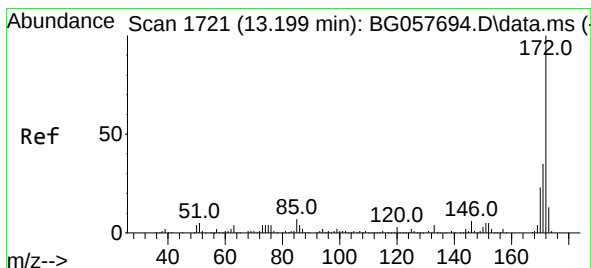
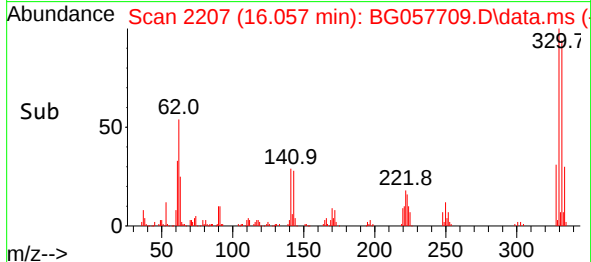
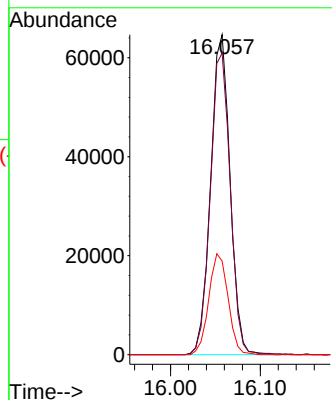
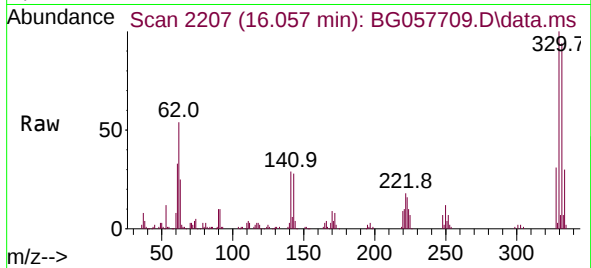




#42
2,4,6-Tribromophenol
Concen: 84.536 ng
RT: 16.057 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG057709.D
Acq: 14 Jun 2023 15:50

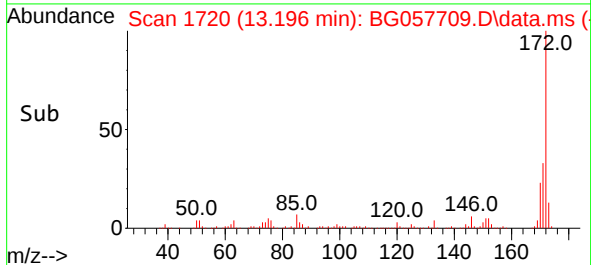
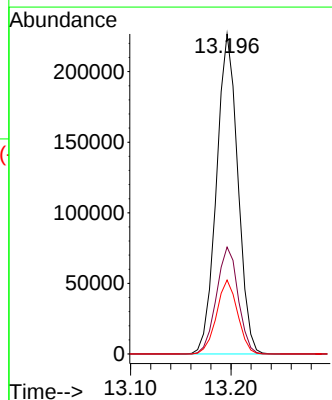
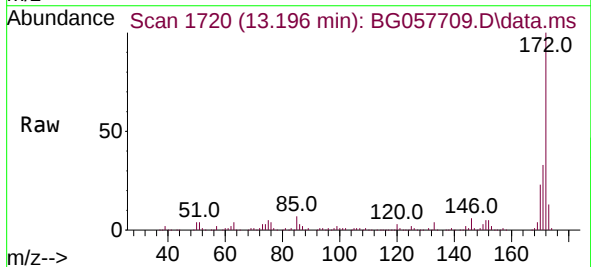
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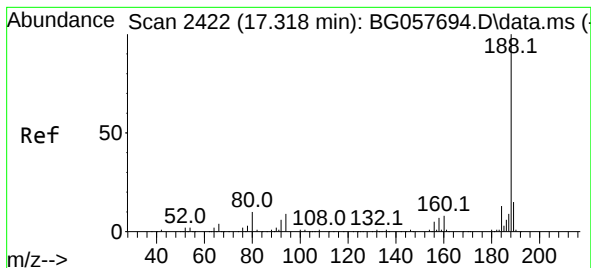
Tgt Ion:330 Resp: 97183
Ion Ratio Lower Upper
330 100
332 96.2 79.0 118.6
141 31.3 25.0 37.6



#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





#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

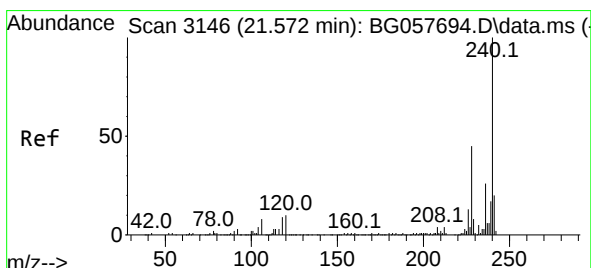
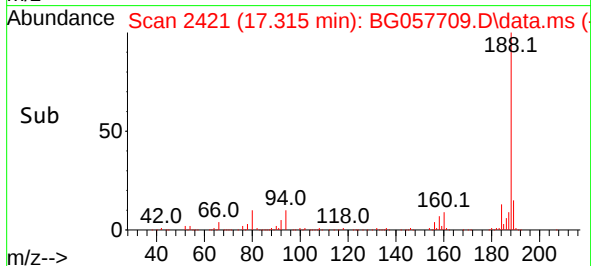
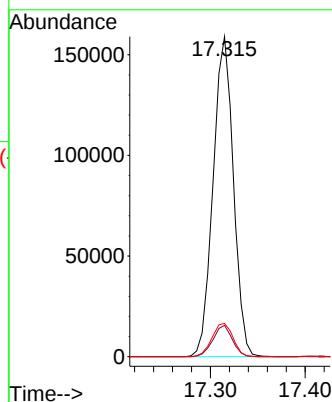
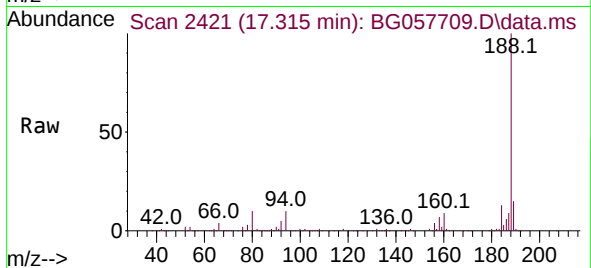
Tgt Ion:188 Resp: 236365

Ion Ratio Lower Upper

188 100

94 9.8 6.9 10.3

80 10.4 8.2 12.4



#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

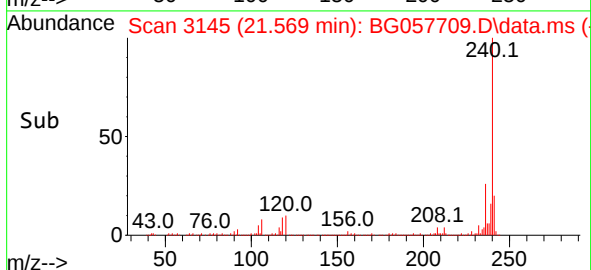
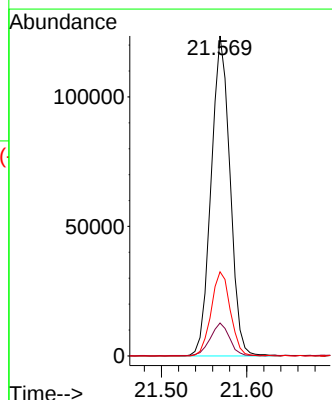
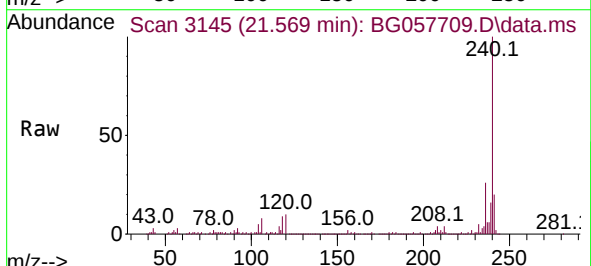
Tgt Ion:240 Resp: 189818

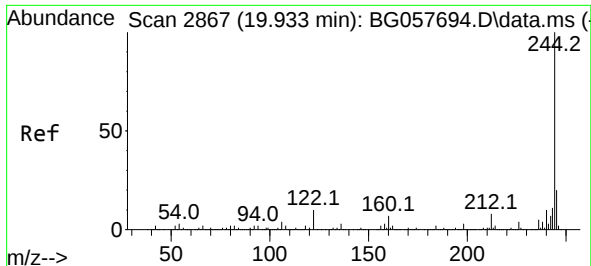
Ion Ratio Lower Upper

240 100

120 10.3 8.1 12.1

236 26.3 20.7 31.1

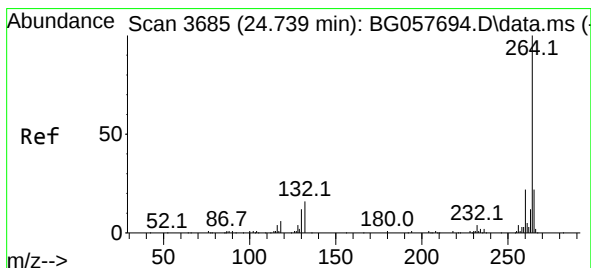
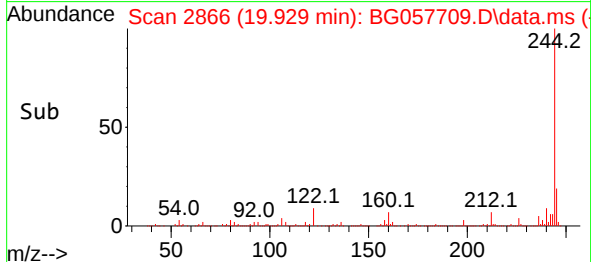
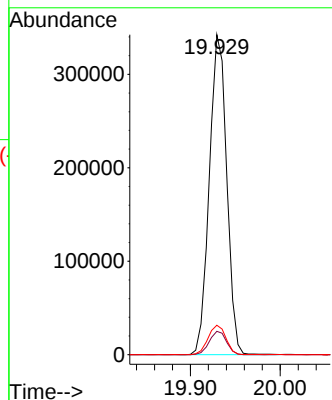
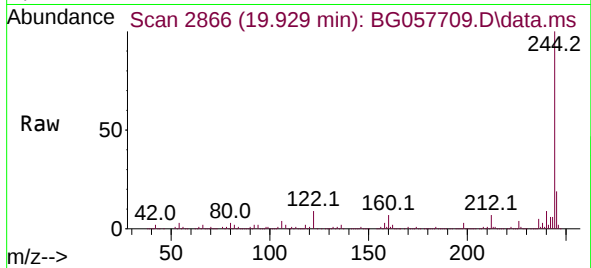




#79
 Terphenyl-d14
 Concen: 44.860 ng
 RT: 19.929 min Scan# 21
 Delta R.T. -0.003 min
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Tgt Ion:244 Resp: 460569
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 9.2 7.7 11.5



#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

