

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
 Data File : BG057568.D
 Acq On : 25 May 2023 21:58
 Operator : CG/JU
 Sample : 02941-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EME-TOPSOIL-001

Quant Time: May 26 03:02:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 02:58:05 2023
 Response via : Initial Calibration

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

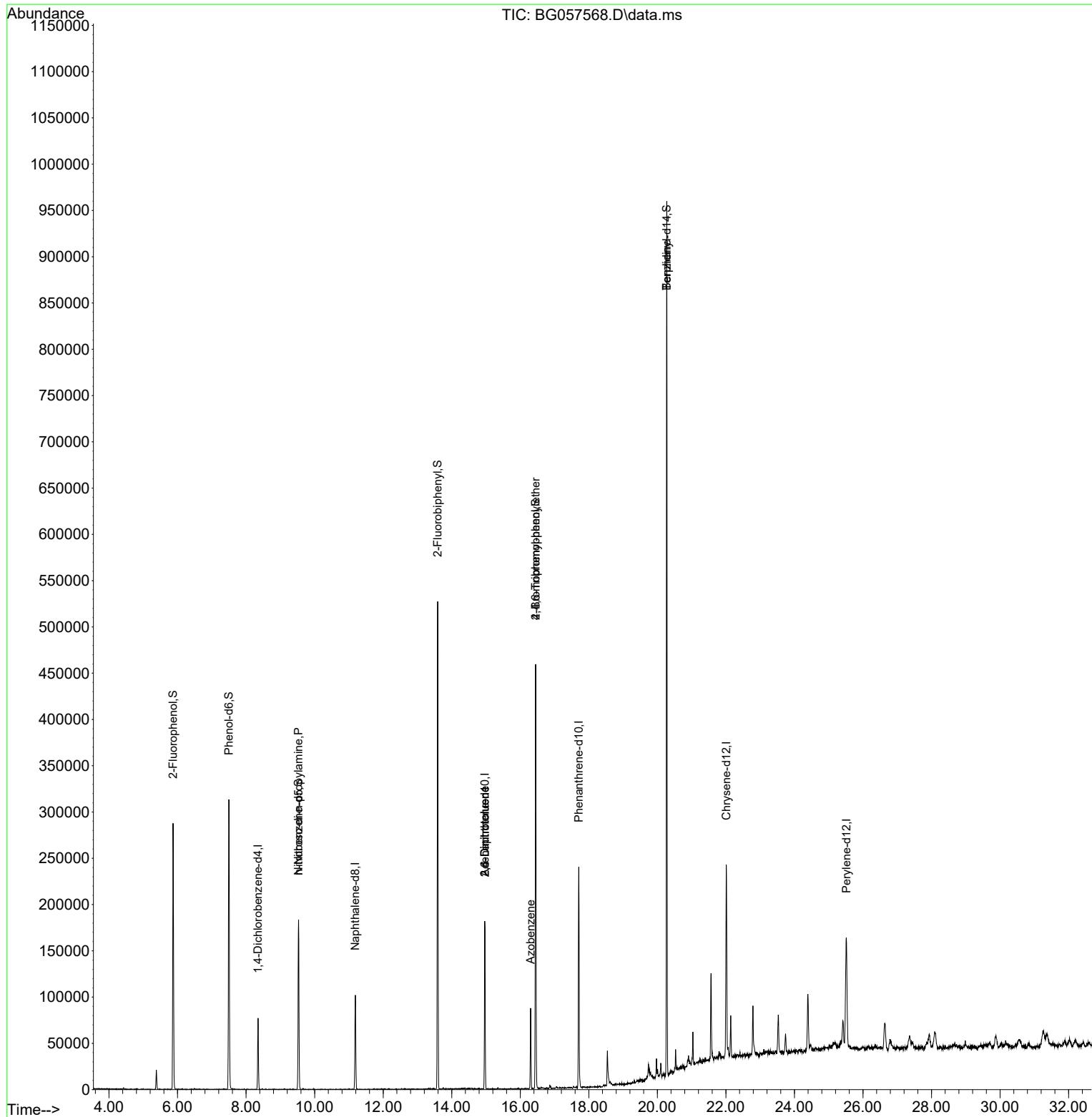
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.349	152	21566	20.000	ng	0.00
21) Naphthalene-d8	11.187	136	87671	20.000	ng	0.00
39) Acenaphthene-d10	14.964	164	66187	20.000	ng	0.00
64) Phenanthrene-d10	17.707	188	157621	20.000	ng	0.00
76) Chrysene-d12	22.013	240	136965	20.000	ng	0.00
86) Perylene-d12	25.514	264	146840	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.870	112	127704	101.295	ng	0.00
7) Phenol-d6	7.497	99	192910	100.765	ng	0.00
23) Nitrobenzene-d5	9.530	82	120781	57.821	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	93417	99.472	ng	0.00
45) 2-Fluorobiphenyl	13.589	172	272048	55.357	ng	0.00
79) Terphenyl-d14	20.274	244	472719	56.324	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.497	77	381	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.530	70	16544	11.333	ng	# 82
51) 2,6-Dinitrotoluene	14.964	165	8909	8.023	ng	# 17
57) 2,4-Dinitrotoluene	14.964	165	8909	5.613	ng	# 20
63) Azobenzene	16.303	77	24501	4.597	ng	# 1
67) 4-Bromophenyl-phenylether	16.450	248	6284	3.266	ng	# 1
77) Benzidine	20.274	184	7220	2.358	ng	# 91

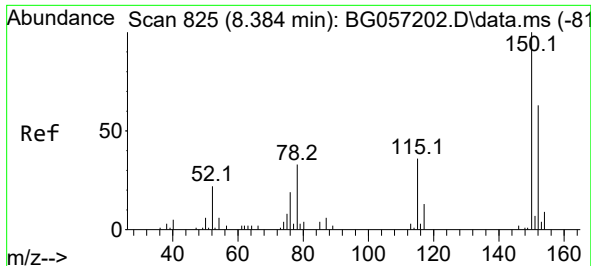
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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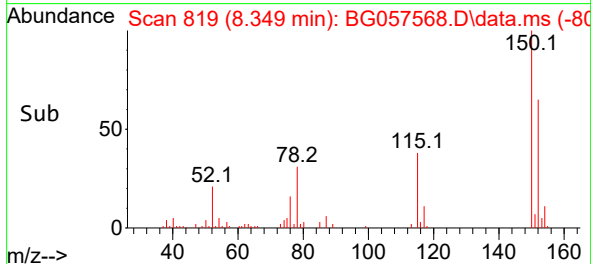
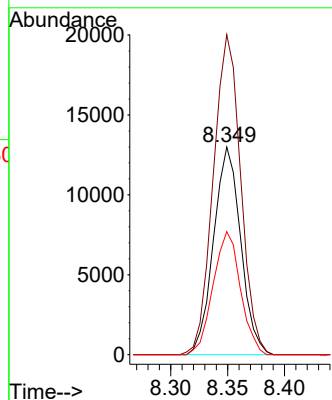
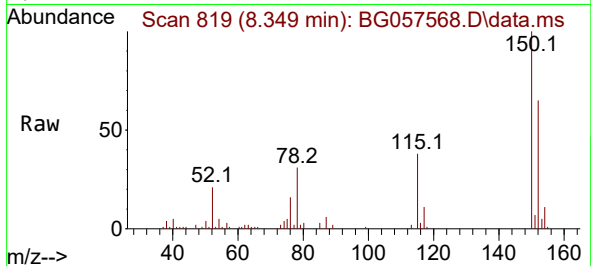




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.349 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057568.D
Acq: 25 May 2023 21:58

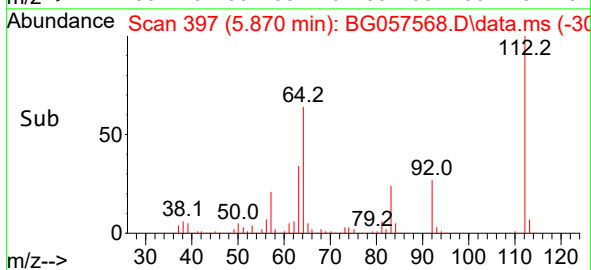
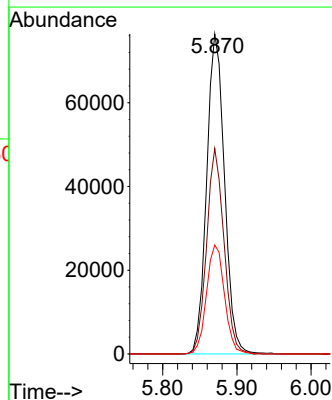
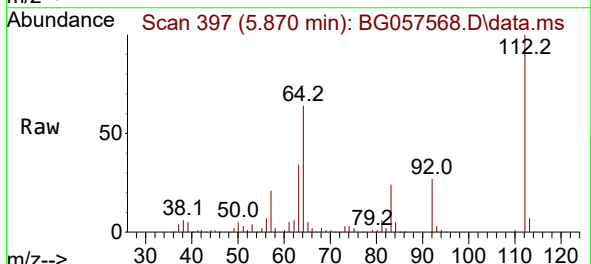
Instrument :
BNA_G
ClientSampleId :
EME-TOPSOIL-001

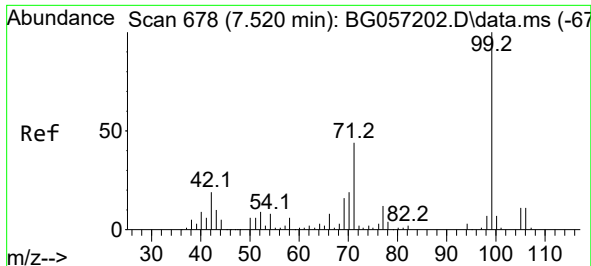
Tgt Ion:152 Resp: 21566
Ion Ratio Lower Upper
152 100
150 154.0 126.2 189.4
115 59.2 45.0 67.4



#5
2-Fluorophenol
Concen: 101.295 ng
RT: 5.870 min Scan# 397
Delta R.T. -0.002 min
Lab File: BG057568.D
Acq: 25 May 2023 21:58

Tgt Ion:112 Resp: 127704
Ion Ratio Lower Upper
112 100
64 64.2 49.4 74.2
63 34.1 31.6 47.4

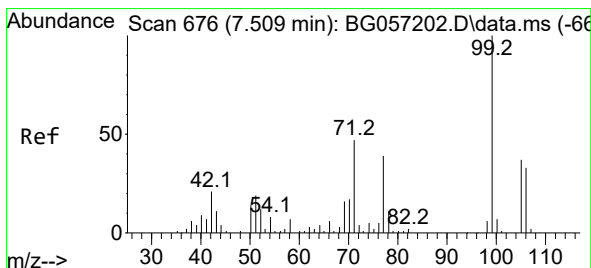
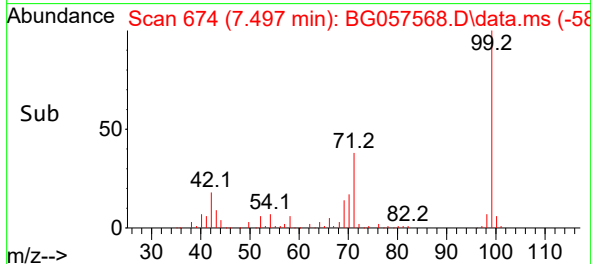
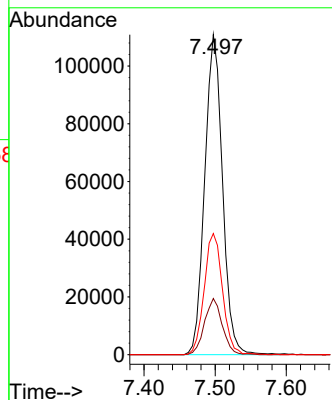
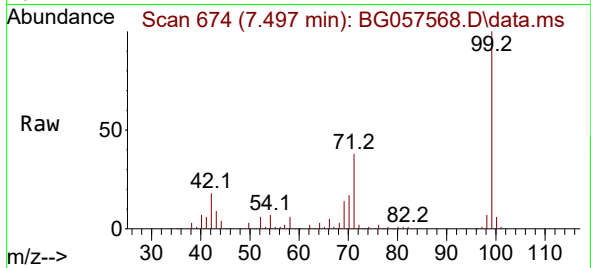




#7
Phenol-d6
Concen: 100.765 ng
RT: 7.497 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057568.D
Acq: 25 May 2023 21:58

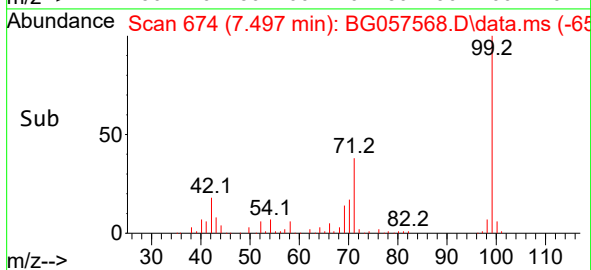
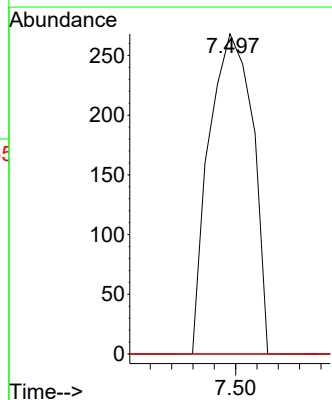
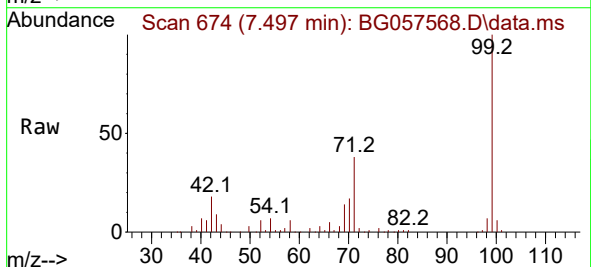
Instrument :
BNA_G
ClientSampleId :
EME-TOPSOIL-001

Tgt Ion: 99 Resp: 192910
Ion Ratio Lower Upper
99 100
42 17.5 15.1 22.7
71 37.9 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.497 min Scan# 674
Delta R.T. 0.015 min
Lab File: BG057568.D
Acq: 25 May 2023 21:58

Tgt Ion: 77 Resp: 381
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

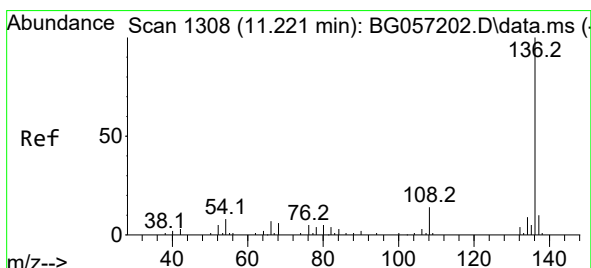
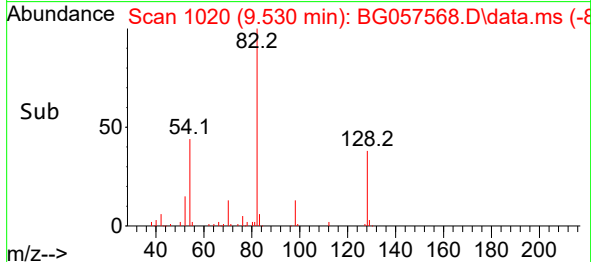
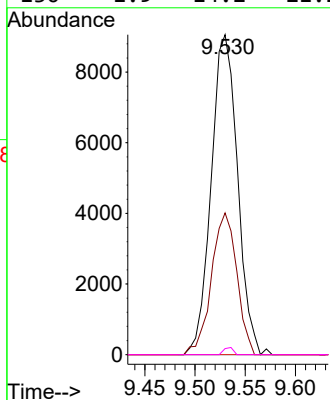
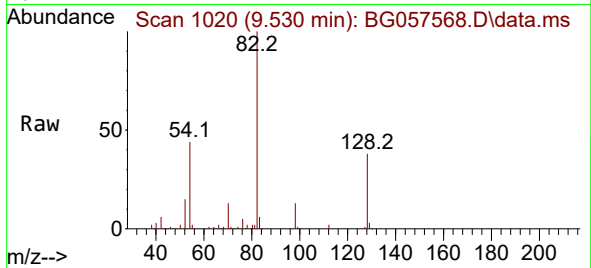




#19
n-Nitroso-di-n-propylamine
Concen: 11.333 ng
RT: 9.530 min Scan# 1020
Delta R.T. 0.374 min
Lab File: BG057568.D
Acq: 25 May 2023 21:58

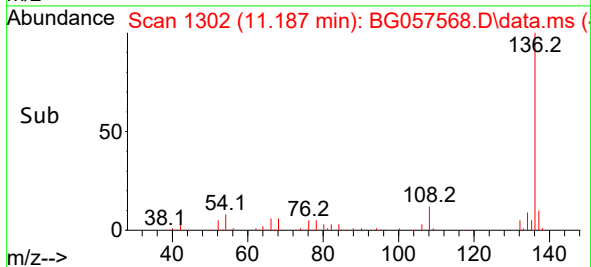
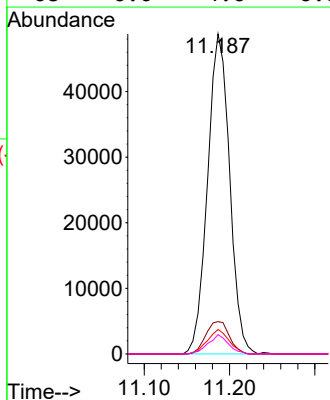
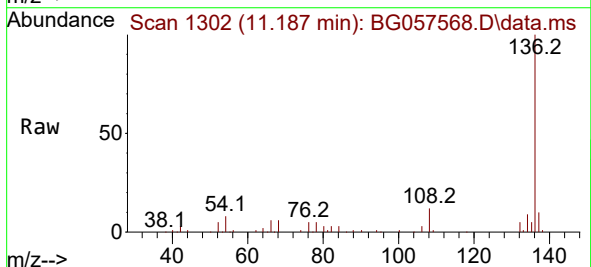
Instrument :
BNA_G
ClientSampleId :
EME-TOPSOIL-001

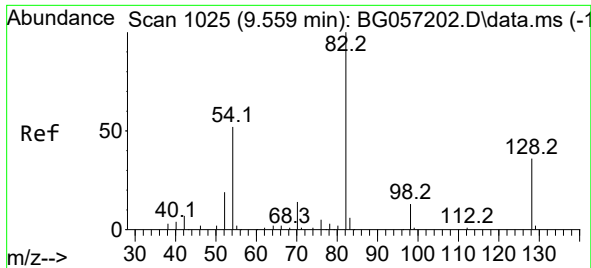
Tgt Ion:	70	Resp:	16544
Ion Ratio	Lower	Upper	
70	100		
42	44.3	41.8	62.8
101	0.0	6.8	10.2#
130	1.9	14.2	21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.187 min Scan# 1302
Delta R.T. -0.008 min
Lab File: BG057568.D
Acq: 25 May 2023 21:58

Tgt Ion:	136	Resp:	87671
Ion Ratio	Lower	Upper	
136	100		
137	10.1	8.3	12.5
54	7.6	6.7	10.1
68	6.0	4.6	6.8





#23

Nitrobenzene-d5

Concen: 57.821 ng

RT: 9.530 min Scan# 1025

Delta R.T. -0.008 min

Lab File: BG057568.D

Acq: 25 May 2023 21:58

Instrument :

BNA_G

ClientSampleId :

EME-TOPSOIL-001

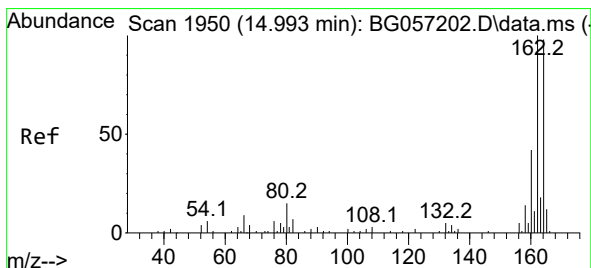
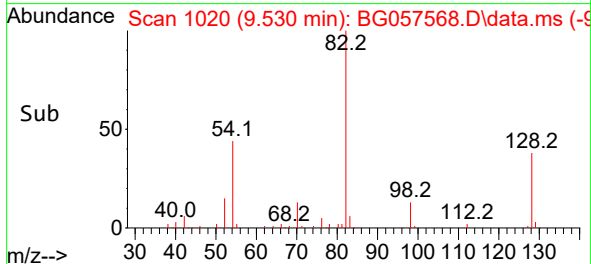
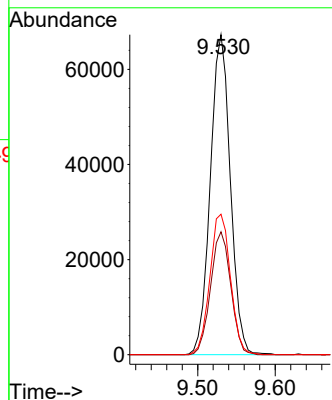
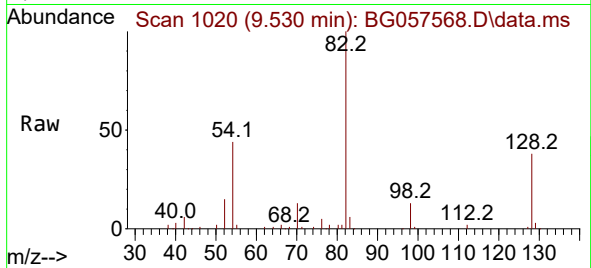
Tgt Ion: 82 Resp: 120781

Ion Ratio Lower Upper

82 100

128 38.4 29.0 43.4

54 43.9 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.964 min Scan# 1945

Delta R.T. -0.008 min

Lab File: BG057568.D

Acq: 25 May 2023 21:58

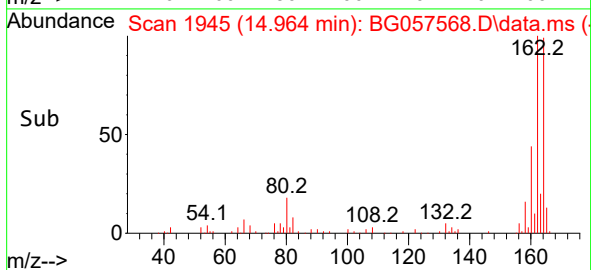
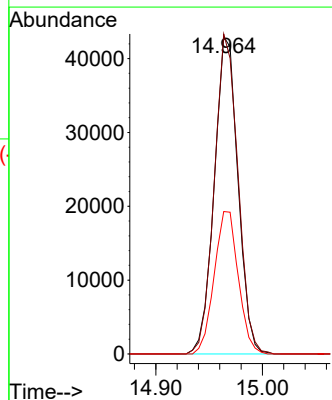
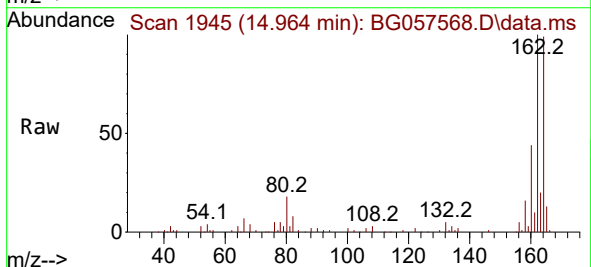
Tgt Ion:164 Resp: 66187

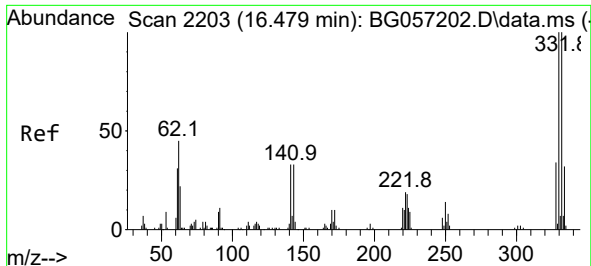
Ion Ratio Lower Upper

164 100

162 100.8 81.8 122.6

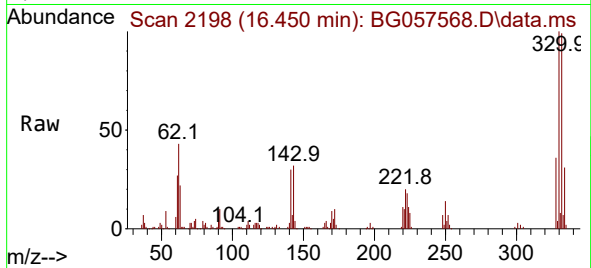
160 44.8 34.6 52.0



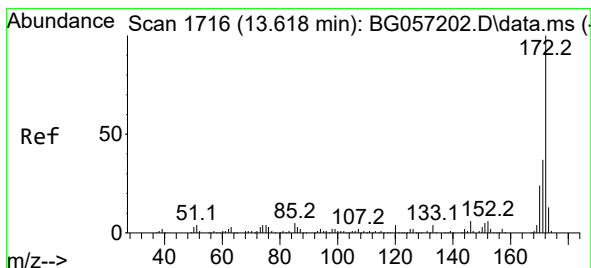
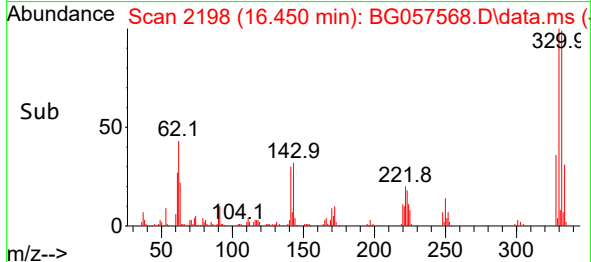
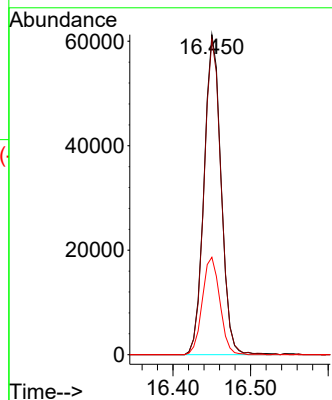


#42
2,4,6-Tribromophenol
Concen: 99.472 ng
RT: 16.450 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG057568.D
Acq: 25 May 2023 21:58

Instrument :
BNA_G
ClientSampleId :
EME-TOPSOIL-001

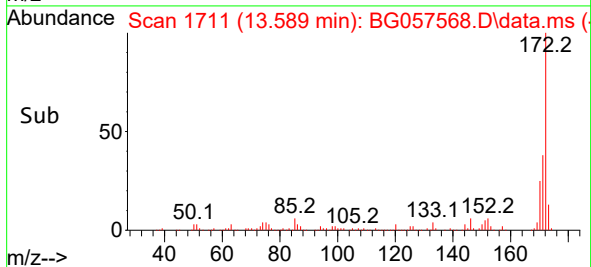
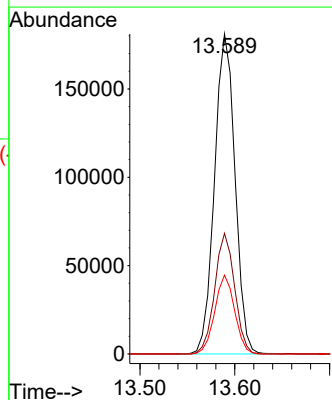
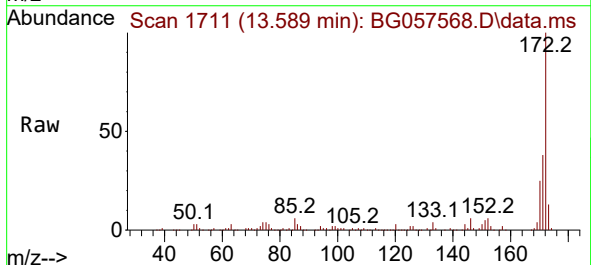


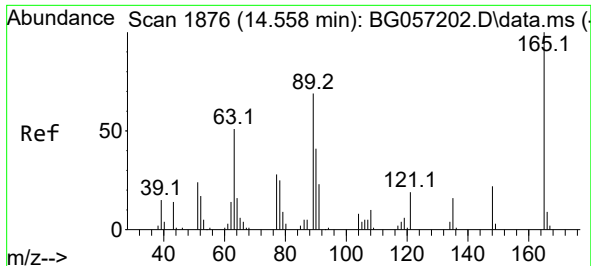
Tgt Ion:330 Resp: 93417
Ion Ratio Lower Upper
330 100
332 98.4 78.2 117.2
141 31.2 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 55.357 ng
RT: 13.589 min Scan# 1711
Delta R.T. -0.008 min
Lab File: BG057568.D
Acq: 25 May 2023 21:58

Tgt Ion:172 Resp: 272048
Ion Ratio Lower Upper
172 100
171 37.7 29.4 44.0
170 24.7 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.023 ng

RT: 14.964 min Scan# 1945

Delta R.T. 0.421 min

Lab File: BG057568.D

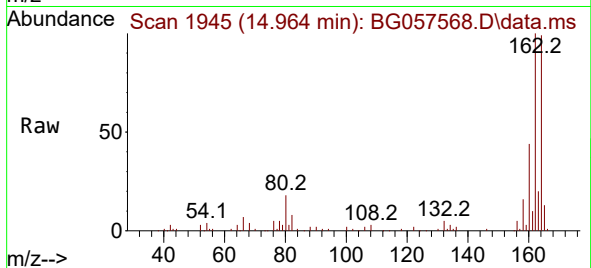
Acq: 25 May 2023 21:58

Instrument :

BNA_G

ClientSampleId :

EME-TOPSOIL-001



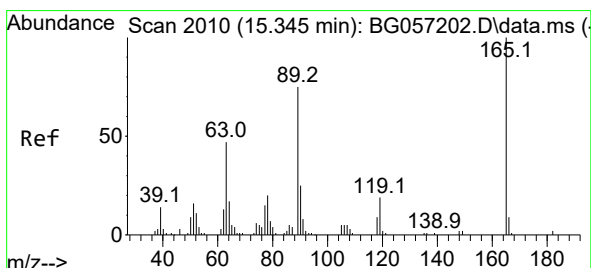
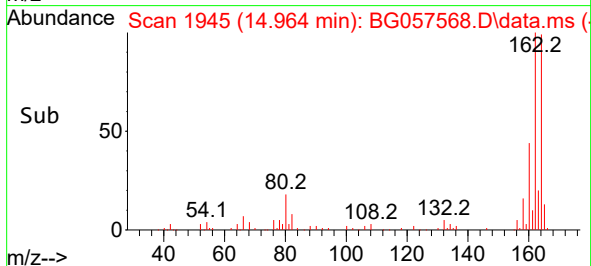
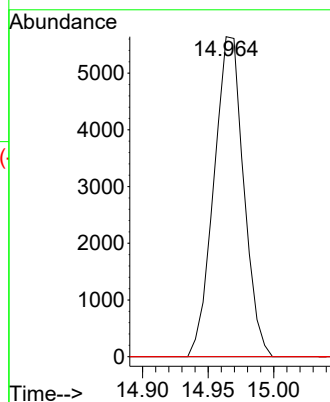
Tgt Ion:165 Resp: 8909

Ion Ratio Lower Upper

165 100

63 0.0 50.9 76.3#

89 0.0 55.2 82.8#



#57

2,4-Dinitrotoluene

Concen: 5.613 ng

RT: 14.964 min Scan# 1945

Delta R.T. -0.366 min

Lab File: BG057568.D

Acq: 25 May 2023 21:58

Tgt Ion:165 Resp: 8909

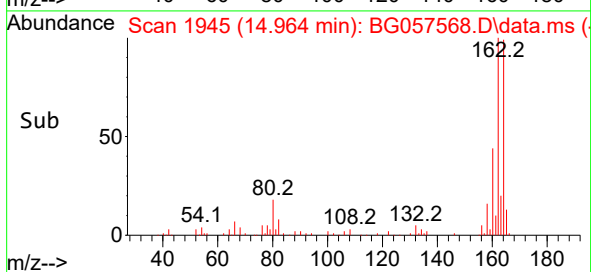
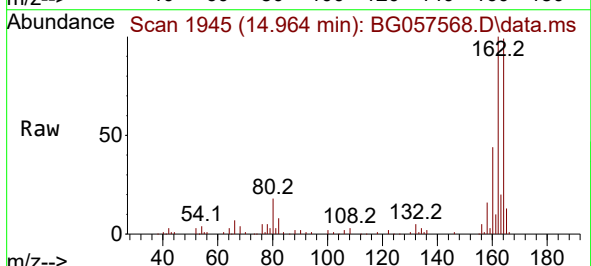
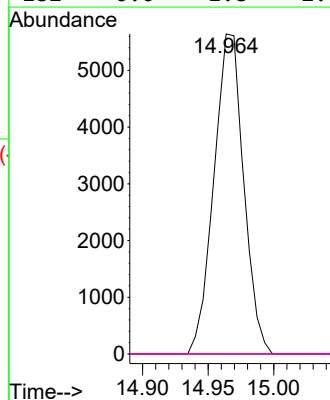
Ion Ratio Lower Upper

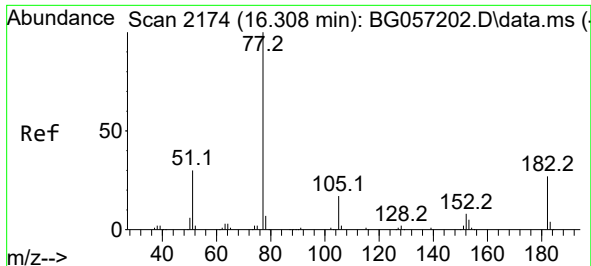
165 100

63 0.0 37.5 56.3#

89 0.0 60.2 90.4#

182 0.0 1.8 2.8#

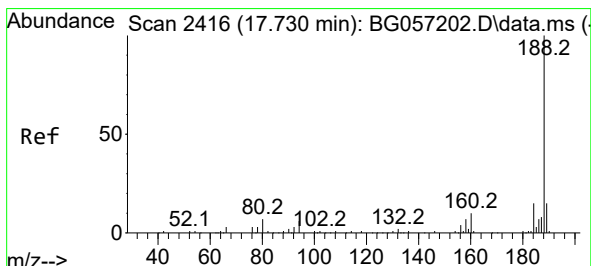
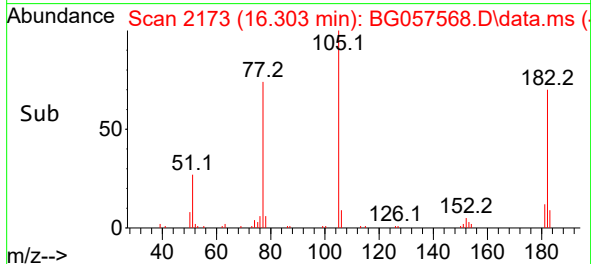
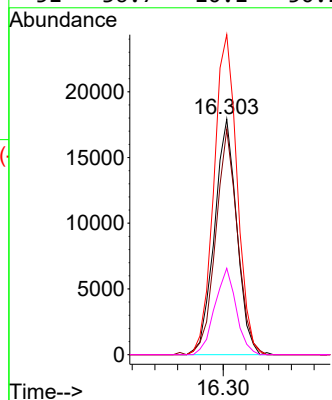
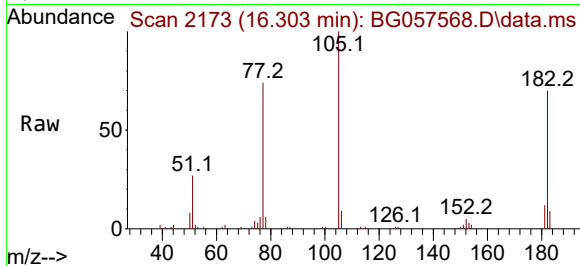




#63
 Azobenzene
 Concen: 4.597 ng
 RT: 16.303 min Scan# 2173
 Delta R.T. 0.021 min
 Lab File: BG057568.D
 Acq: 25 May 2023 21:58

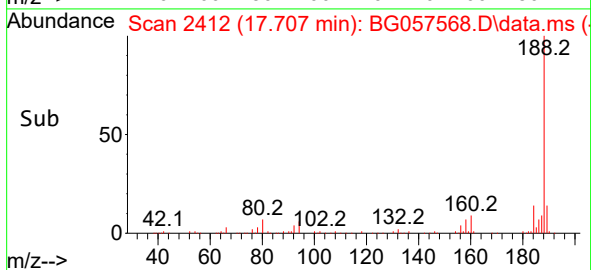
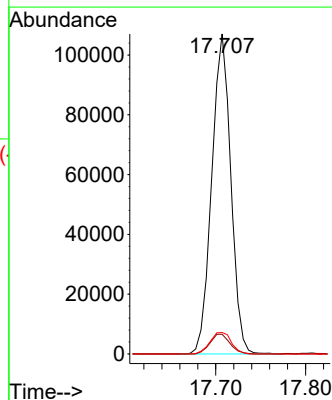
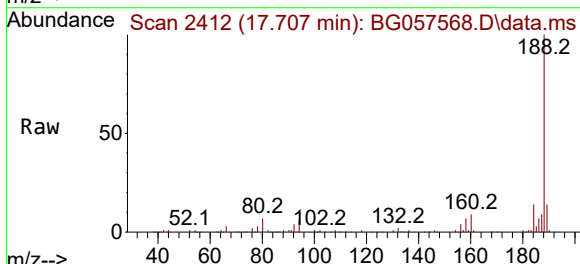
Instrument :
 BNA_G
 ClientSampleId :
 EME-TOPSOIL-001

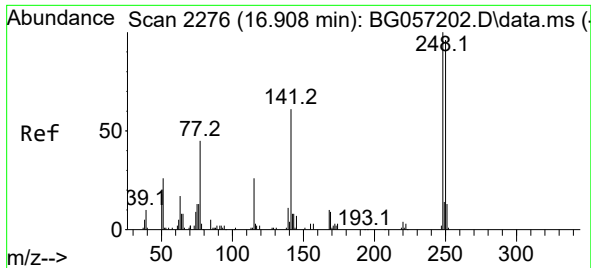
Tgt Ion:	77	Resp:	24501
Ion Ratio	Lower	Upper	
77	100		
182	95.6	7.4	47.4#
105	135.8	0.0	37.2#
51	36.7	10.1	50.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.707 min Scan# 2412
 Delta R.T. -0.002 min
 Lab File: BG057568.D
 Acq: 25 May 2023 21:58

Tgt Ion:	188	Resp:	157621
Ion Ratio	Lower	Upper	
188	100		
94	6.2	5.1	7.7
80	6.7	5.7	8.5

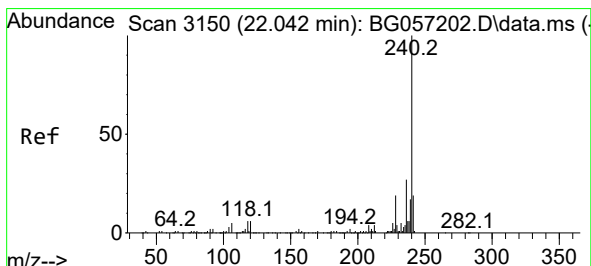
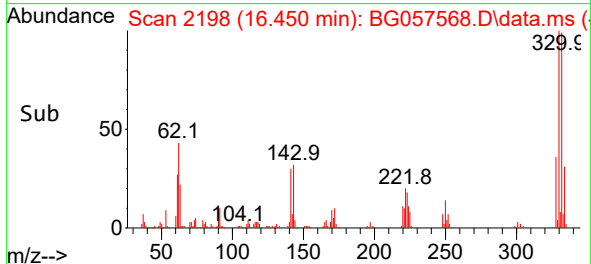
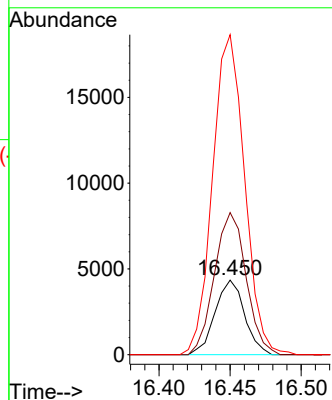
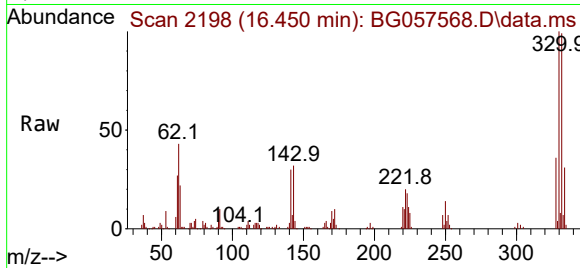




#67
4-Bromophenyl-phenylether
Concen: 3.266 ng
RT: 16.450 min Scan# 211
Delta R.T. -0.437 min
Lab File: BG057568.D
Acq: 25 May 2023 21:58

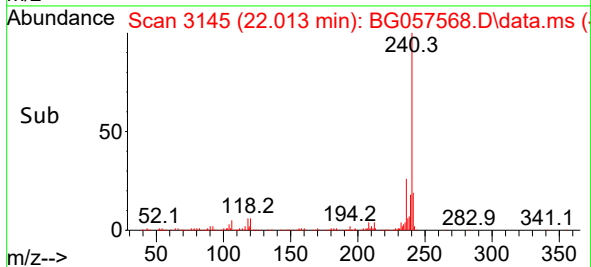
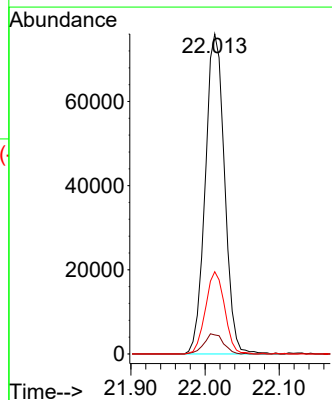
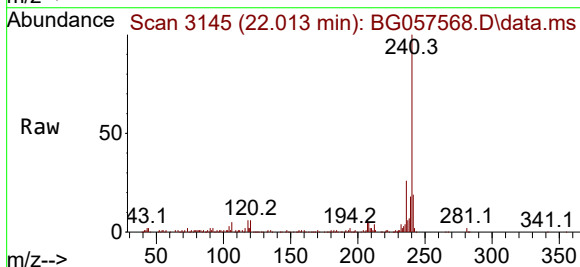
Instrument :
BNA_G
ClientSampleId :
EME-TOPSOIL-001

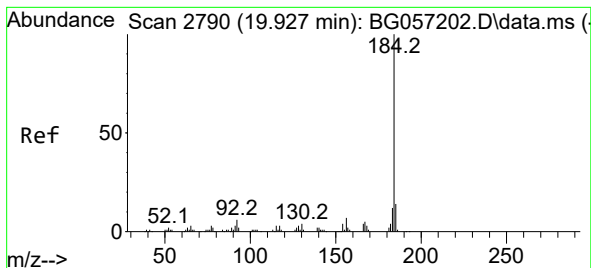
Tgt Ion:248 Resp: 6284
Ion Ratio Lower Upper
248 100
250 190.6 77.0 115.6#
141 429.1 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.013 min Scan# 3145
Delta R.T. -0.008 min
Lab File: BG057568.D
Acq: 25 May 2023 21:58

Tgt Ion:240 Resp: 136965
Ion Ratio Lower Upper
240 100
120 6.0 4.9 7.3
236 25.7 21.4 32.2





#77

Benzidine

Concen: 2.358 ng

RT: 20.274 min Scan# 21

Delta R.T. 0.368 min

Lab File: BG057568.D

Acq: 25 May 2023 21:58

Instrument :

BNA_G

ClientSampleId :

EME-TOPSOIL-001

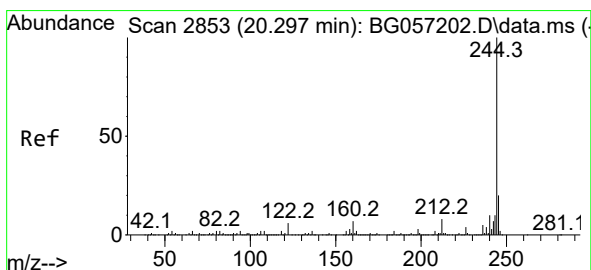
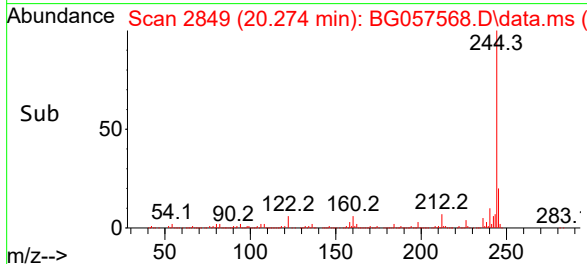
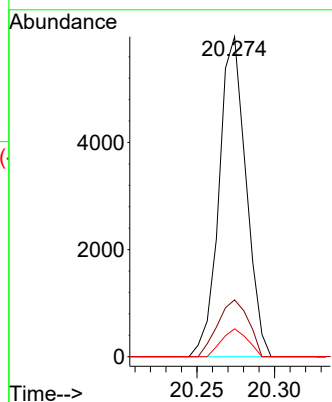
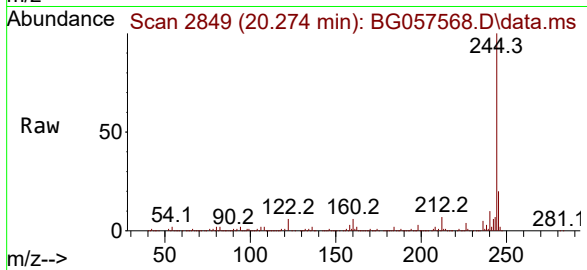
Tgt Ion:184 Resp: 7220

Ion Ratio Lower Upper

184 100

185 17.8 11.1 16.7#

183 8.7 9.9 14.9#



#79

Terphenyl-d14

Concen: 56.324 ng

RT: 20.274 min Scan# 2849

Delta R.T. -0.002 min

Lab File: BG057568.D

Acq: 25 May 2023 21:58

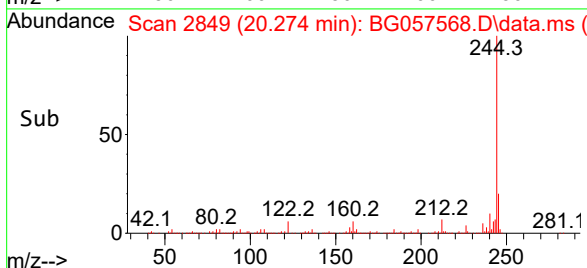
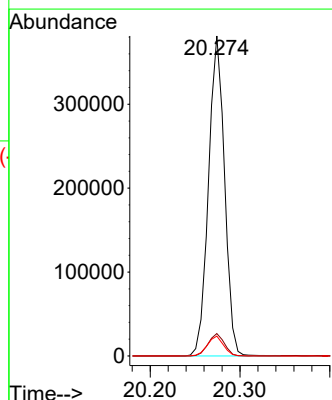
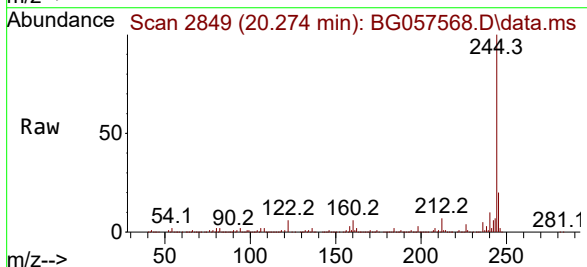
Tgt Ion:244 Resp: 472719

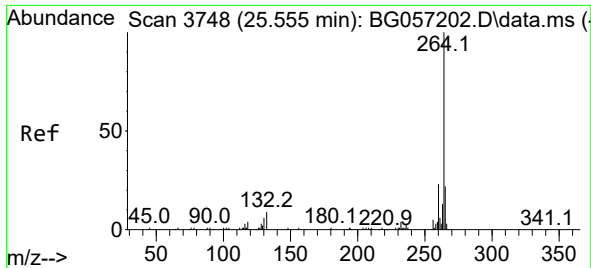
Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

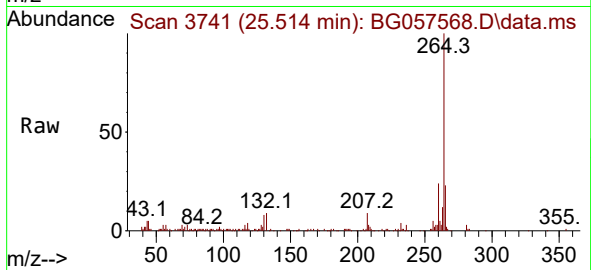
122 6.2 5.1 7.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.514 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG057568.D
Acq: 25 May 2023 21:58

Instrument :
BNA_G
ClientSampleId :
EME-TOPSOIL-001



Tgt Ion:264	Resp:	146840
Ion Ratio	Lower	Upper
264	100	
260	23.8	18.8 28.2
265	22.6	17.9 26.9

