

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122223\
 Data File : BG060159.D
 Acq On : 23 Dec 2023 5:41
 Operator : MA/JU
 Sample : 05862-11
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-SOLIDS-20231213-01

Quant Time: Dec 25 00:43:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 03:42:04 2023
 Response via : Initial Calibration

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

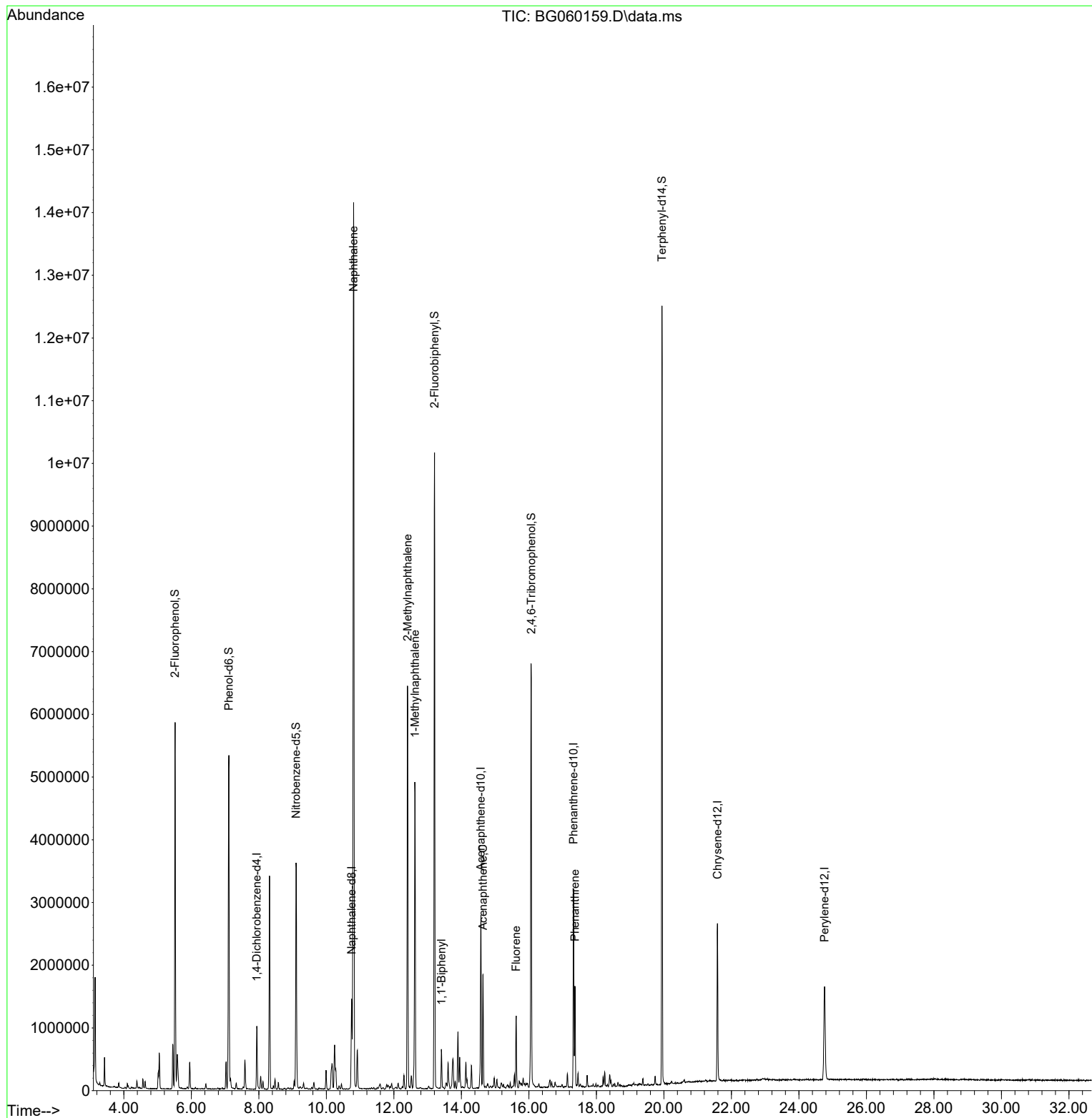
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.938	152	300576	20.000	ng	# 0.00
21) Naphthalene-d8	10.747	136	1346513	20.000	ng	0.00
39) Acenaphthene-d10	14.577	164	994988	20.000	ng	0.00
64) Phenanthrene-d10	17.321	188	2082474	20.000	ng	0.00
76) Chrysene-d12	21.587	240	1484646	20.000	ng	0.00
86) Perylene-d12	24.760	264	1661153	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.517	112	2662247	139.563	ng	0.00
7) Phenol-d6	7.110	99	3374270	105.107	ng	0.00
23) Nitrobenzene-d5	9.101	82	2361792	85.924	ng	0.00
42) 2,4,6-Tribromophenol	16.070	330	1431689	106.868	ng	0.00
45) 2-Fluorobiphenyl	13.203	172	5106192	77.058	ng	0.00
79) Terphenyl-d14	19.942	244	5457211	66.514	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.805	128	9261905	129.209	ng	# 52
37) 2-Methylnaphthalene	12.403	142	3140403	56.451	ng	97
38) 1-Methylnaphthalene	12.621	142	2335430	41.820	ng	100
46) 1,1'-Biphenyl	13.408	154	343155	4.746	ng	97
52) Acenaphthene	14.636	154	670678	11.769	ng	99
58) Fluorene	15.623	166	539835	6.648	ng	95
71) Phenanthrene	17.362	178	1042971	9.940	ng	98

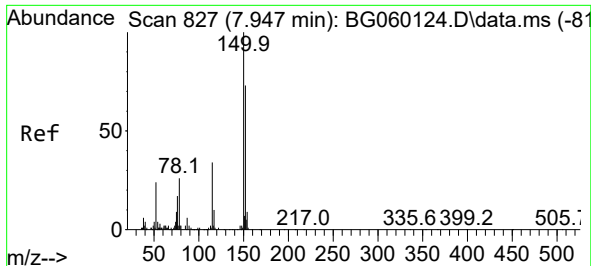
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 03:42:04 2023
Response via : Initial Calibration

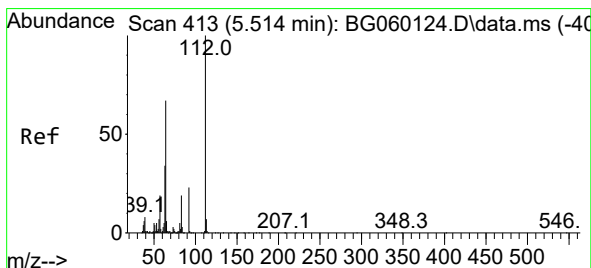
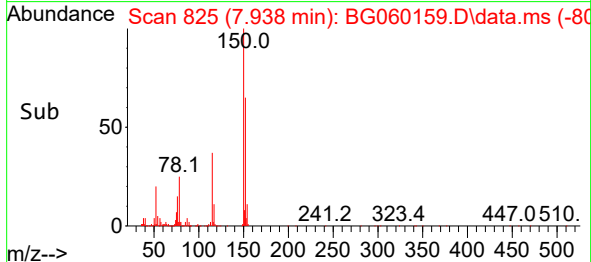
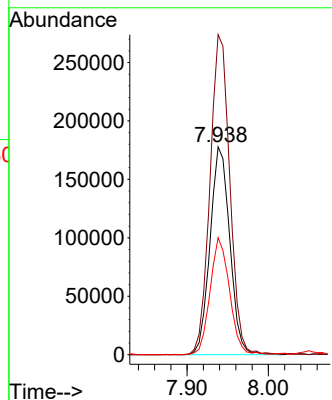
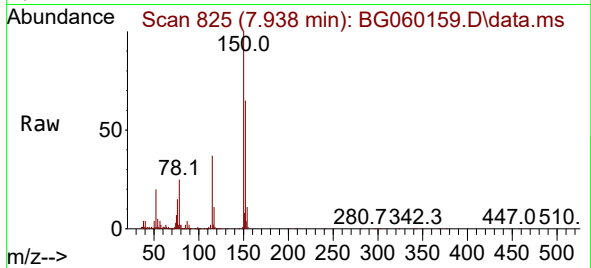




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.938 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

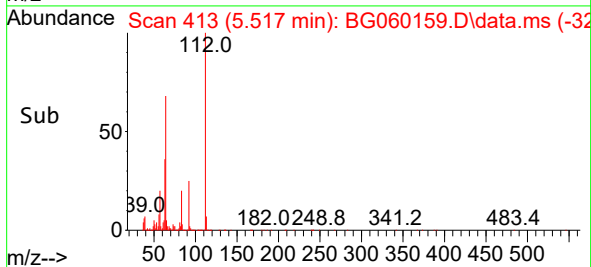
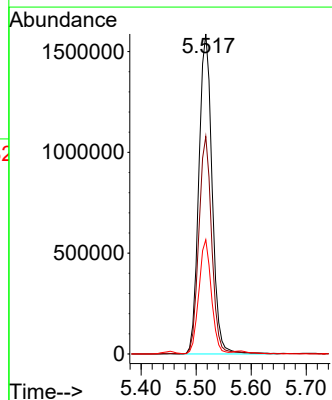
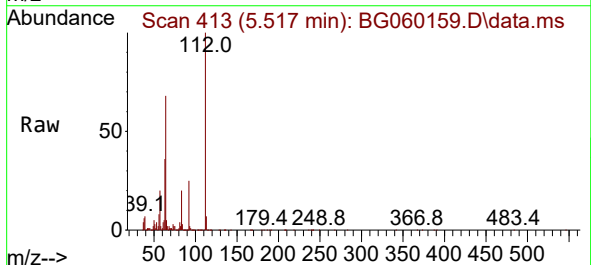
Instrument :
BNA_G
ClientSampleId :
WC-SOLIDS-20231213-01

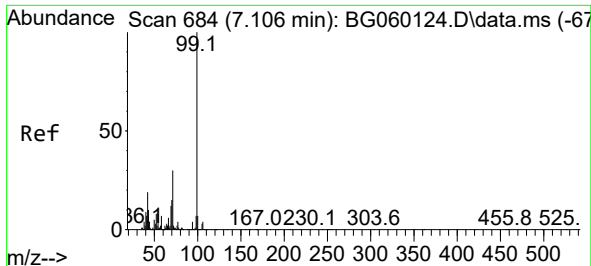
Tgt Ion:152 Resp: 300576
Ion Ratio Lower Upper
152 100
150 153.9 109.4 164.0
115 56.3 36.5 54.7#



#5
2-Fluorophenol
Concen: 139.563 ng
RT: 5.517 min Scan# 413
Delta R.T. 0.003 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

Tgt Ion:112 Resp: 2662247
Ion Ratio Lower Upper
112 100
64 67.9 53.3 79.9
63 35.7 27.1 40.7

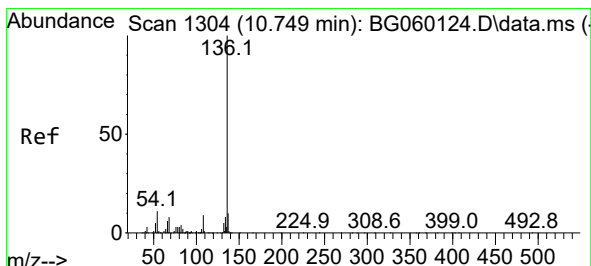
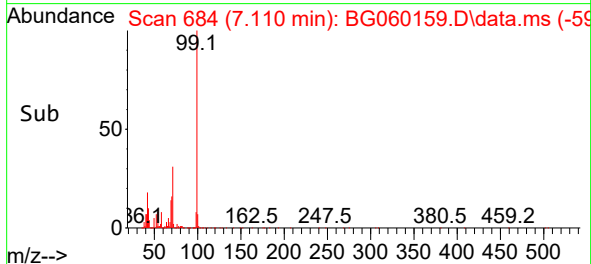
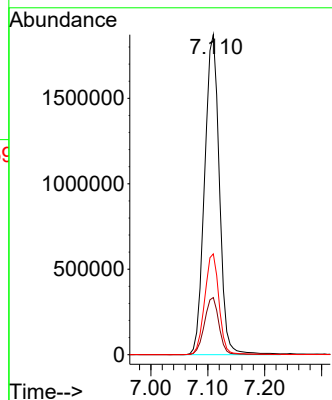
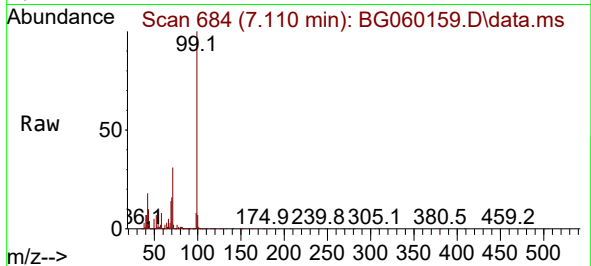




#7
Phenol-d6
Concen: 105.107 ng
RT: 7.110 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

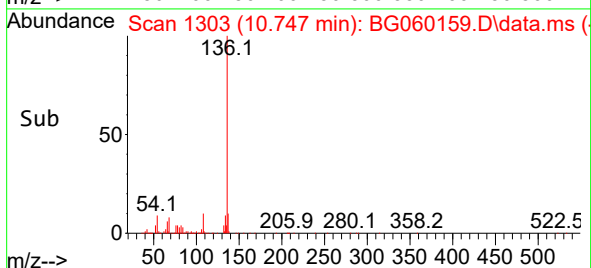
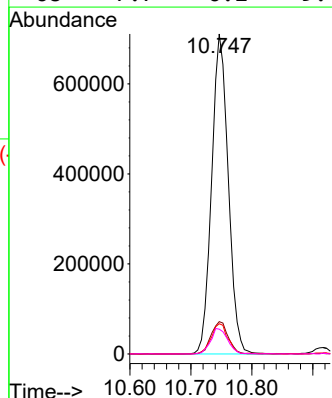
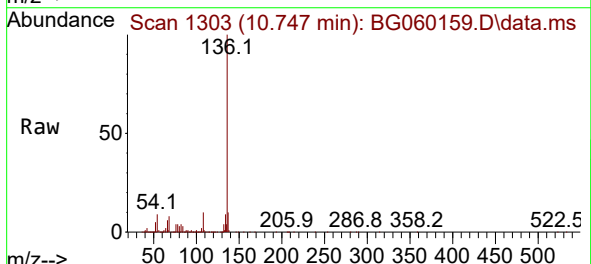
Instrument :
BNA_G
ClientSampleId :
WC-SOLIDS-20231213-01

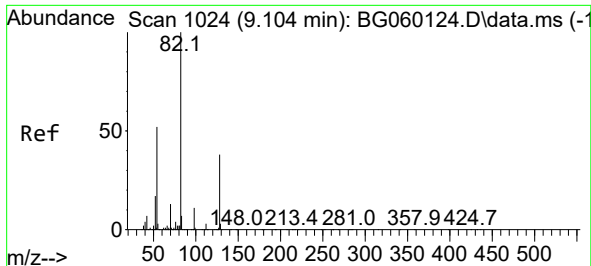
Tgt Ion: 99 Resp: 3374270
Ion Ratio Lower Upper
99 100
42 17.9 15.2 22.8
71 31.5 24.2 36.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.747 min Scan# 1303
Delta R.T. -0.002 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

Tgt Ion:136 Resp: 1346513
Ion Ratio Lower Upper
136 100
137 10.1 8.1 12.1
54 9.4 8.7 13.1
68 7.7 6.2 9.4





#23

Nitrobenzene-d5

Concen: 85.924 ng

RT: 9.101 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG060159.D

Acq: 23 Dec 2023 5:41

Instrument :

BNA_G

ClientSampleId :

WC-SOLIDS-20231213-01

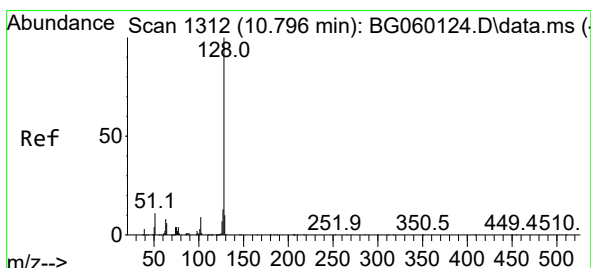
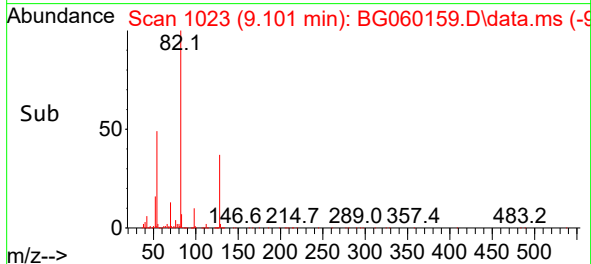
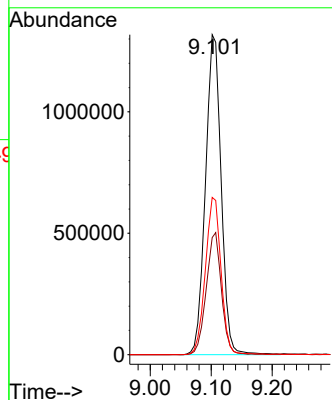
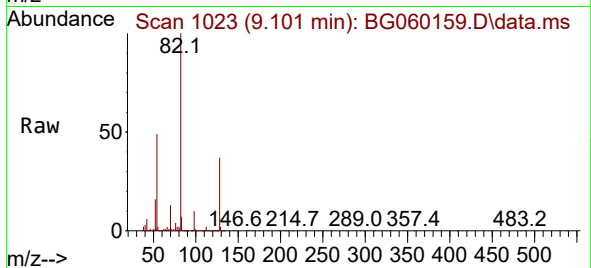
Tgt Ion: 82 Resp: 2361792

Ion Ratio Lower Upper

82 100

128 36.6 30.5 45.7

54 49.2 41.9 62.9



#31

Naphthalene

Concen: 129.209 ng

RT: 10.805 min Scan# 1313

Delta R.T. 0.009 min

Lab File: BG060159.D

Acq: 23 Dec 2023 5:41

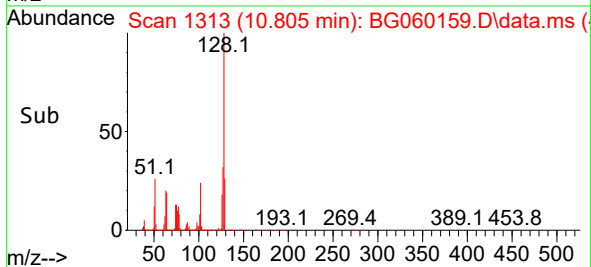
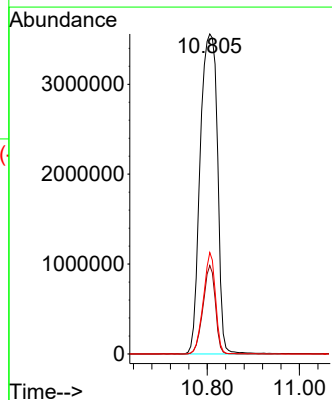
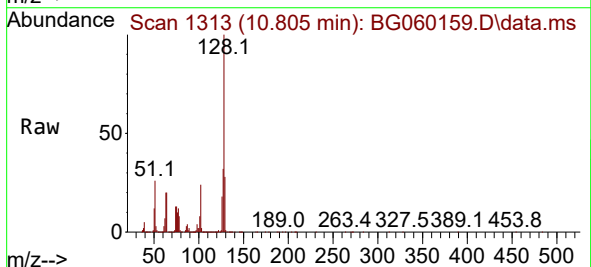
Tgt Ion:128 Resp: 9261905

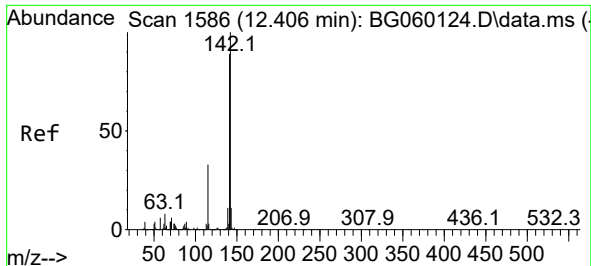
Ion Ratio Lower Upper

128 100

129 27.7 7.8 11.8#

127 31.7 10.3 15.5#





#37

2-Methylnaphthalene

Concen: 56.451 ng

RT: 12.403 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG060159.D

Acq: 23 Dec 2023 5:41

Instrument :

BNA_G

ClientSampleId :

WC-SOLIDS-20231213-01

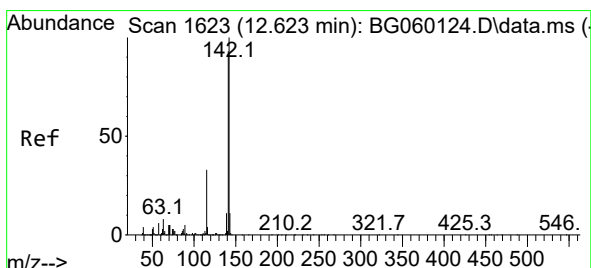
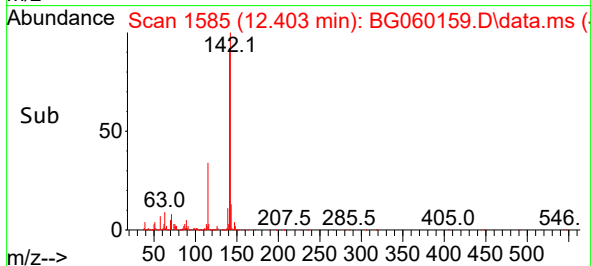
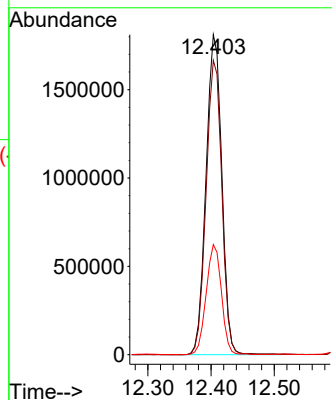
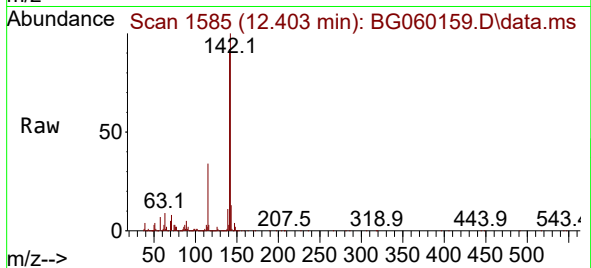
Tgt Ion:142 Resp: 3140403

Ion Ratio Lower Upper

142 100

141 92.0 71.5 107.3

115 34.4 26.1 39.1



#38

1-Methylnaphthalene

Concen: 41.820 ng

RT: 12.621 min Scan# 1622

Delta R.T. -0.003 min

Lab File: BG060159.D

Acq: 23 Dec 2023 5:41

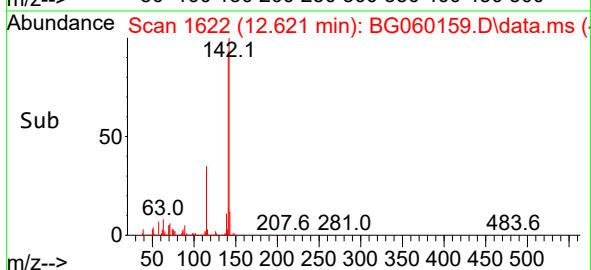
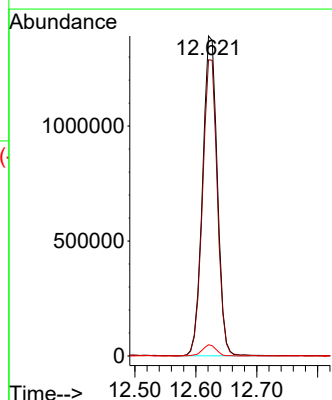
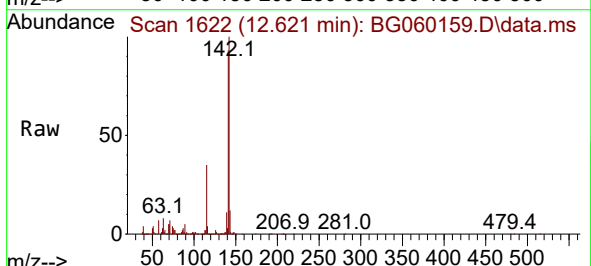
Tgt Ion:142 Resp: 2335430

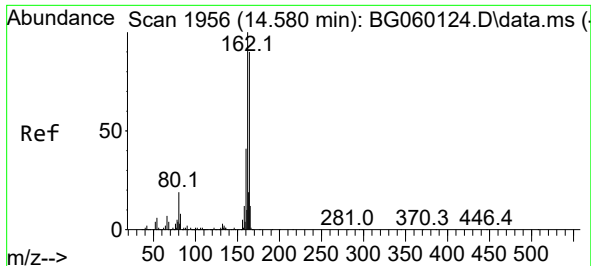
Ion Ratio Lower Upper

142 100

141 92.5 74.4 111.6

116 3.5 2.9 4.3

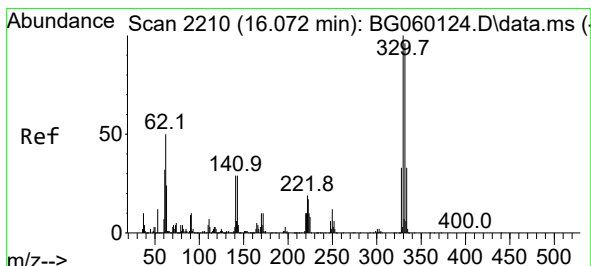
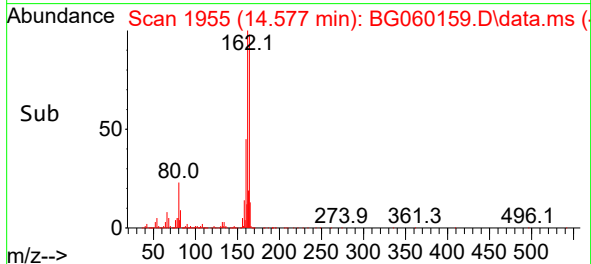
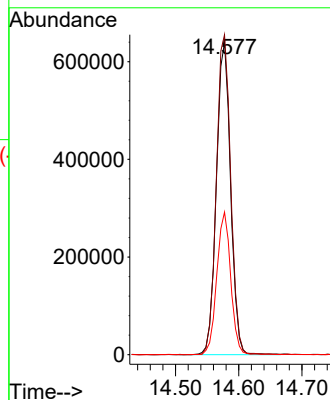
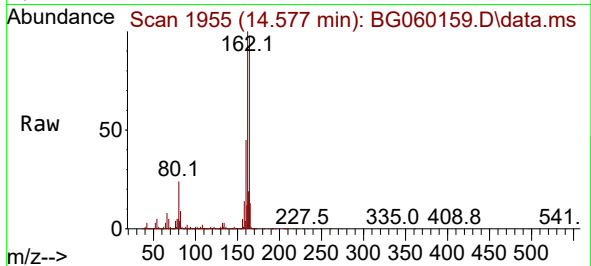




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.577 min Scan# 1955
Delta R.T. -0.003 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

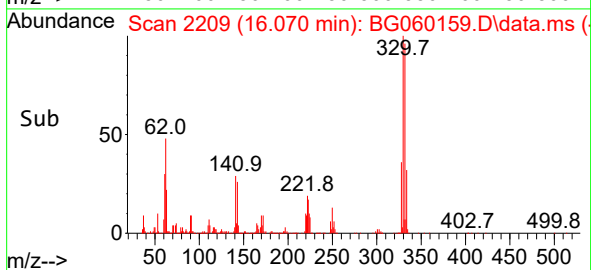
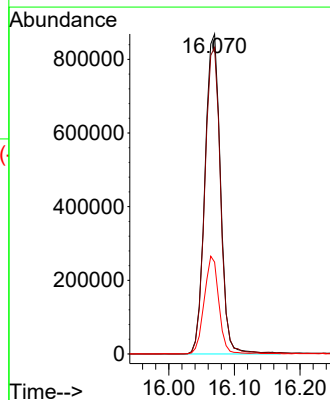
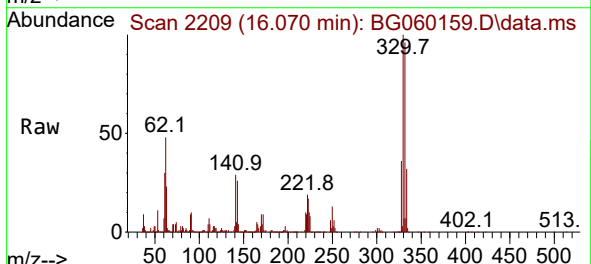
Instrument :
BNA_G
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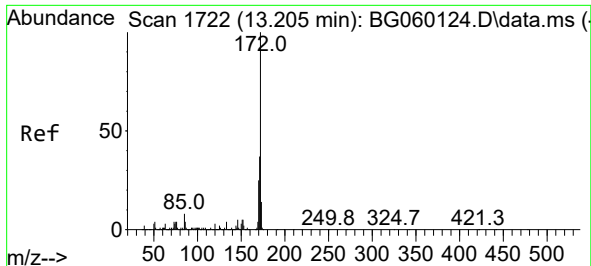
Tgt Ion:164 Resp: 994988
Ion Ratio Lower Upper
164 100
162 102.5 88.5 132.7
160 45.6 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 106.868 ng
RT: 16.070 min Scan# 2209
Delta R.T. -0.003 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

Tgt Ion:330 Resp: 1431689
Ion Ratio Lower Upper
330 100
332 97.0 75.5 113.3
141 28.7 24.7 37.1

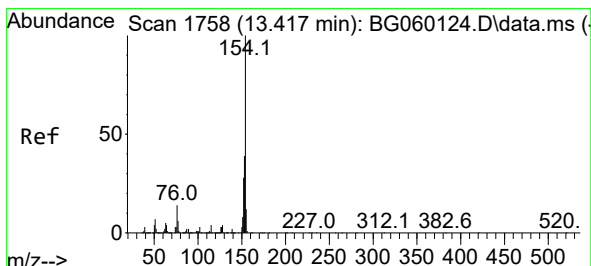
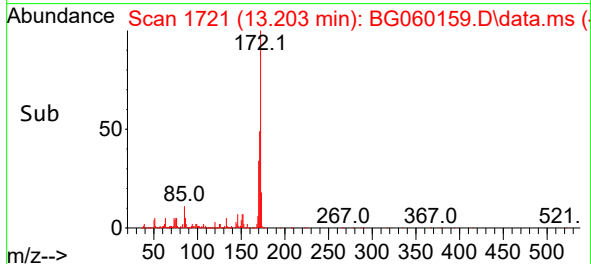
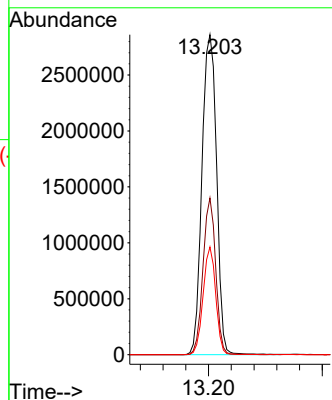
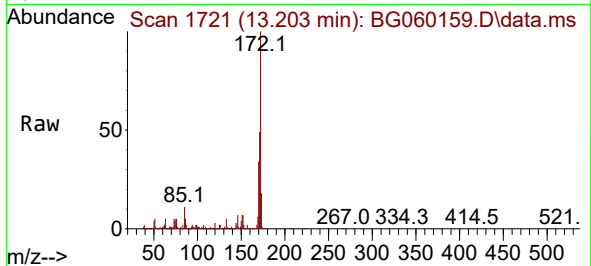




#45
2-Fluorobiphenyl
Concen: 77.058 ng
RT: 13.203 min Scan# 1722
Delta R.T. -0.002 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

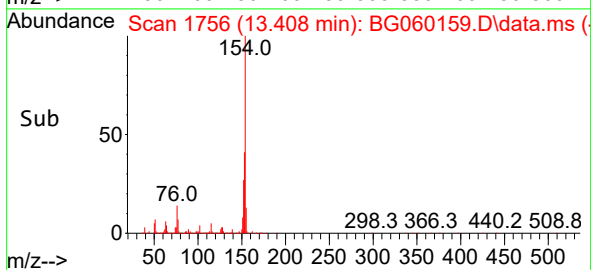
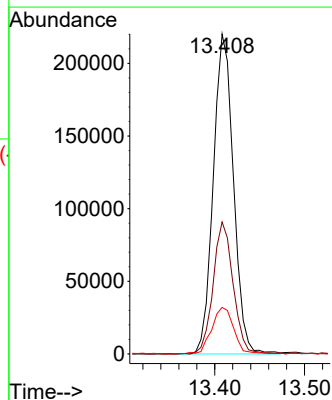
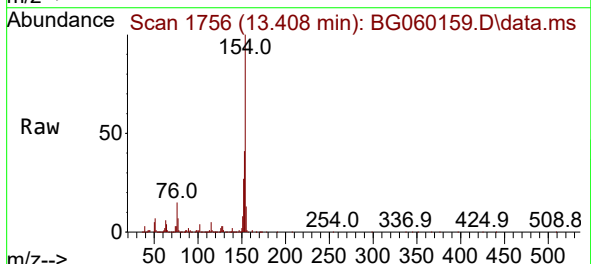
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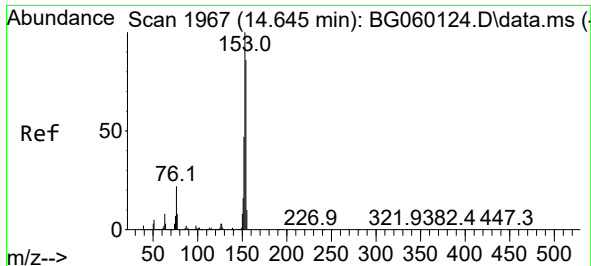
Tgt Ion:172 Resp: 5106192
Ion Ratio Lower Upper
172 100
171 48.9 29.2 43.8#
170 33.6 20.1 30.1#



#46
1,1'-Biphenyl
Concen: 4.746 ng
RT: 13.408 min Scan# 1756
Delta R.T. -0.008 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

Tgt Ion:154 Resp: 343155
Ion Ratio Lower Upper
154 100
153 41.3 19.4 59.4
76 14.5 0.0 34.1

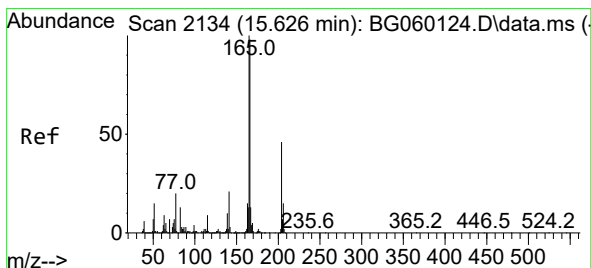
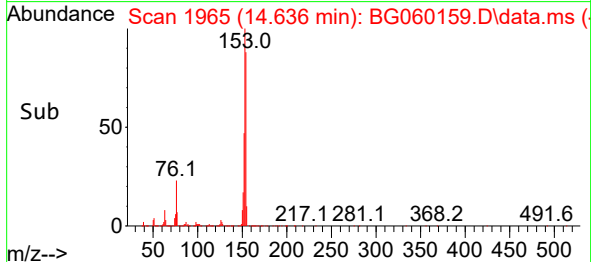
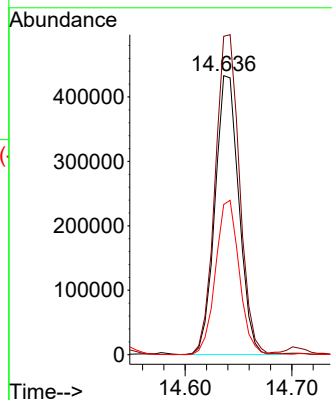
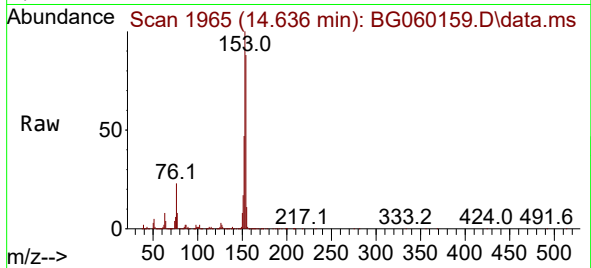




#52
Acenaphthene
Concen: 11.769 ng
RT: 14.636 min Scan# 1965
Delta R.T. -0.008 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

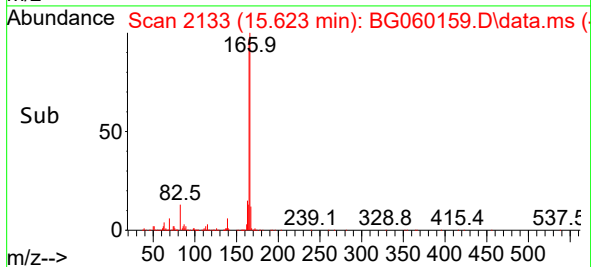
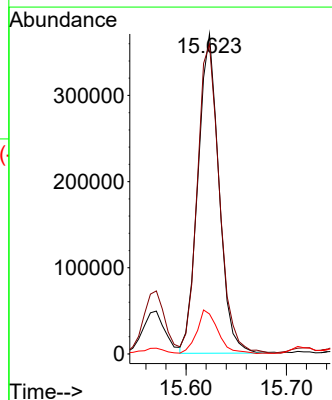
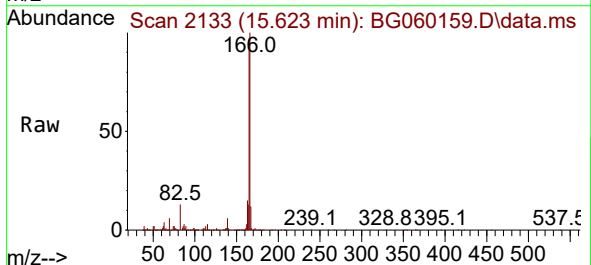
Instrument :
BNA_G
ClientSampleId :
WC-SOLIDS-20231213-01

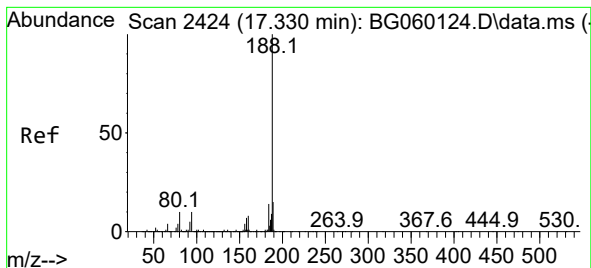
Tgt Ion:154 Resp: 670678
Ion Ratio Lower Upper
154 100
153 114.2 92.9 139.3
152 53.9 43.3 64.9



#58
Fluorene
Concen: 6.648 ng
RT: 15.623 min Scan# 2133
Delta R.T. -0.003 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

Tgt Ion:166 Resp: 539835
Ion Ratio Lower Upper
166 100
165 96.8 82.0 123.0
167 12.5 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.321 min Scan# 2422

Delta R.T. -0.008 min

Lab File: BG060159.D

Acq: 23 Dec 2023 5:41

Instrument :

BNA_G

ClientSampleId :

WC-SOLIDS-20231213-01

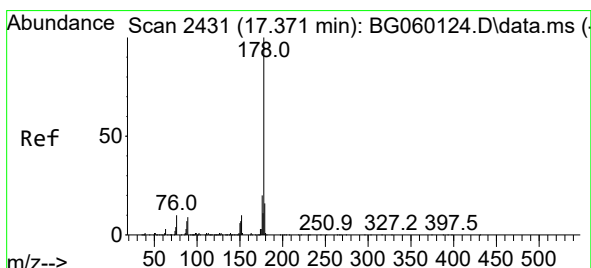
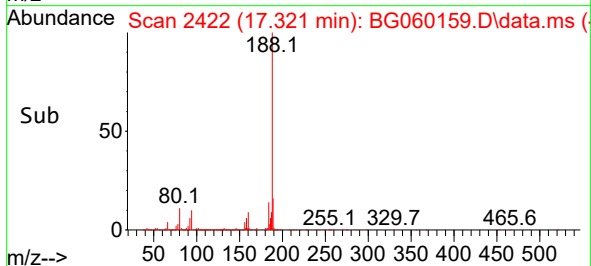
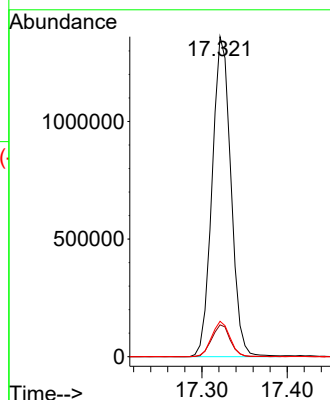
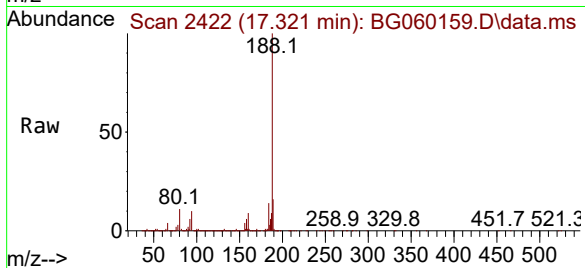
Tgt Ion:188 Resp: 2082474

Ion Ratio Lower Upper

188 100

94 9.9 7.6 11.4

80 11.1 7.9 11.9



#71

Phenanthrene

Concen: 9.940 ng

RT: 17.362 min Scan# 2429

Delta R.T. -0.008 min

Lab File: BG060159.D

Acq: 23 Dec 2023 5:41

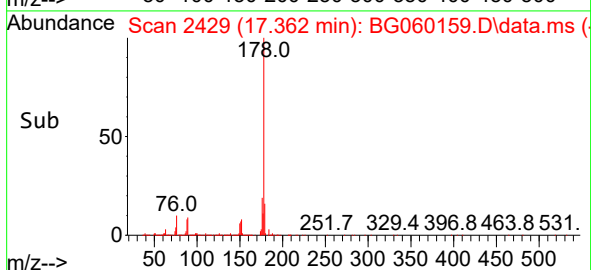
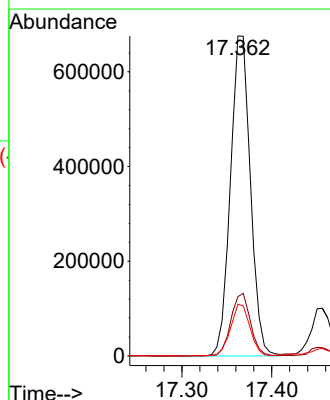
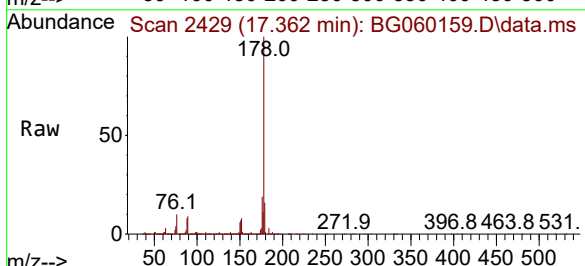
Tgt Ion:178 Resp: 1042971

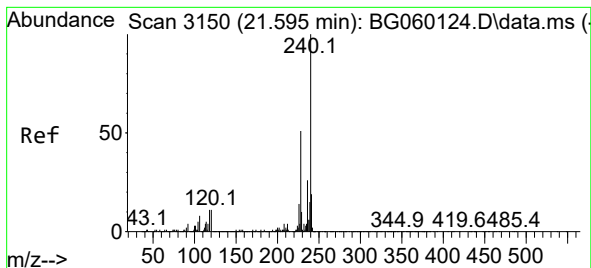
Ion Ratio Lower Upper

178 100

176 18.6 16.0 24.0

179 16.2 13.2 19.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.587 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG060159.D

Acq: 23 Dec 2023 5:41

Instrument :

BNA_G

ClientSampleId :

WC-SOLIDS-20231213-01

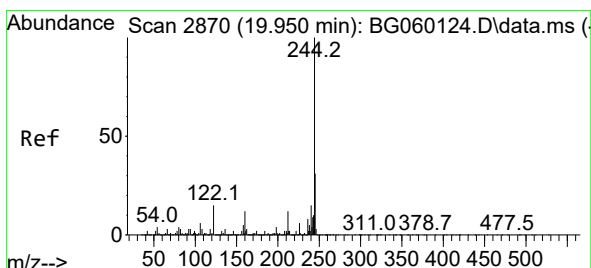
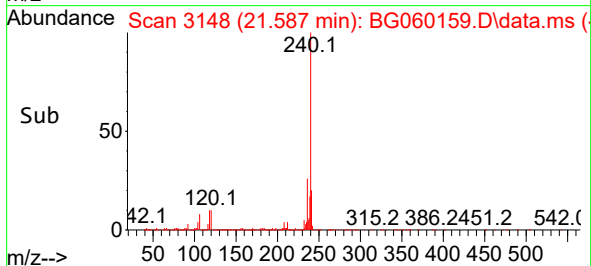
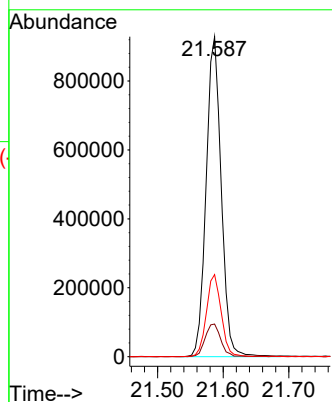
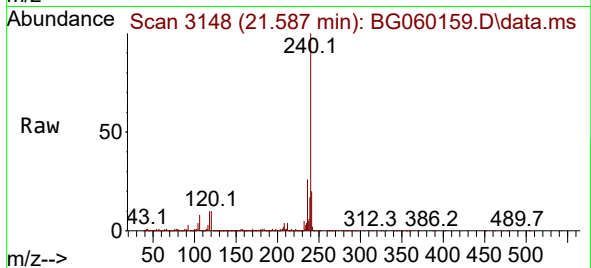
Tgt Ion:240 Resp: 1484646

Ion Ratio Lower Upper

240 100

120 10.2 9.0 13.6

236 25.6 20.4 30.6



#79

Terphenyl-d14

Concen: 66.514 ng

RT: 19.942 min Scan# 2868

Delta R.T. -0.008 min

Lab File: BG060159.D

Acq: 23 Dec 2023 5:41

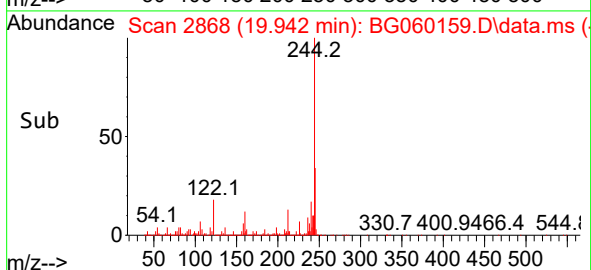
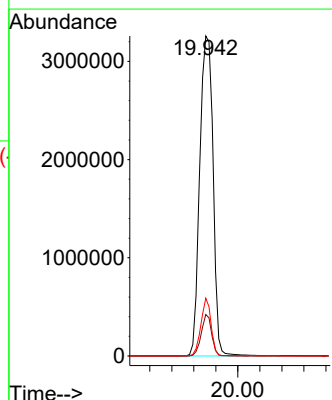
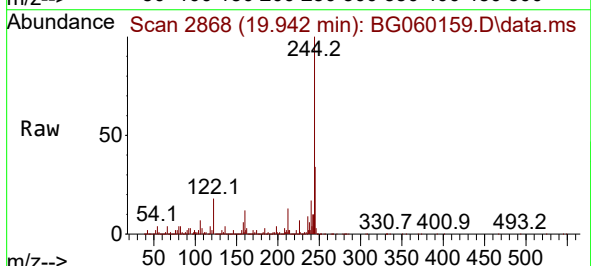
Tgt Ion:244 Resp: 5457211

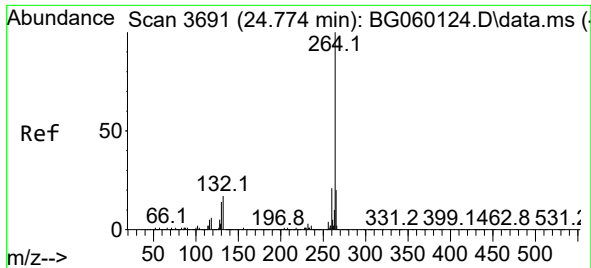
Ion Ratio Lower Upper

244 100

212 12.9 9.5 14.3

122 18.1 12.2 18.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.760 min Scan# 30
Delta R.T. -0.014 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

Instrument :
BNA_G
ClientSampleId :
WC-SOLIDS-20231213-01

Tgt Ion:264 Resp: 1661153

Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.1	25.7
265	21.8	16.0	24.0

