

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)

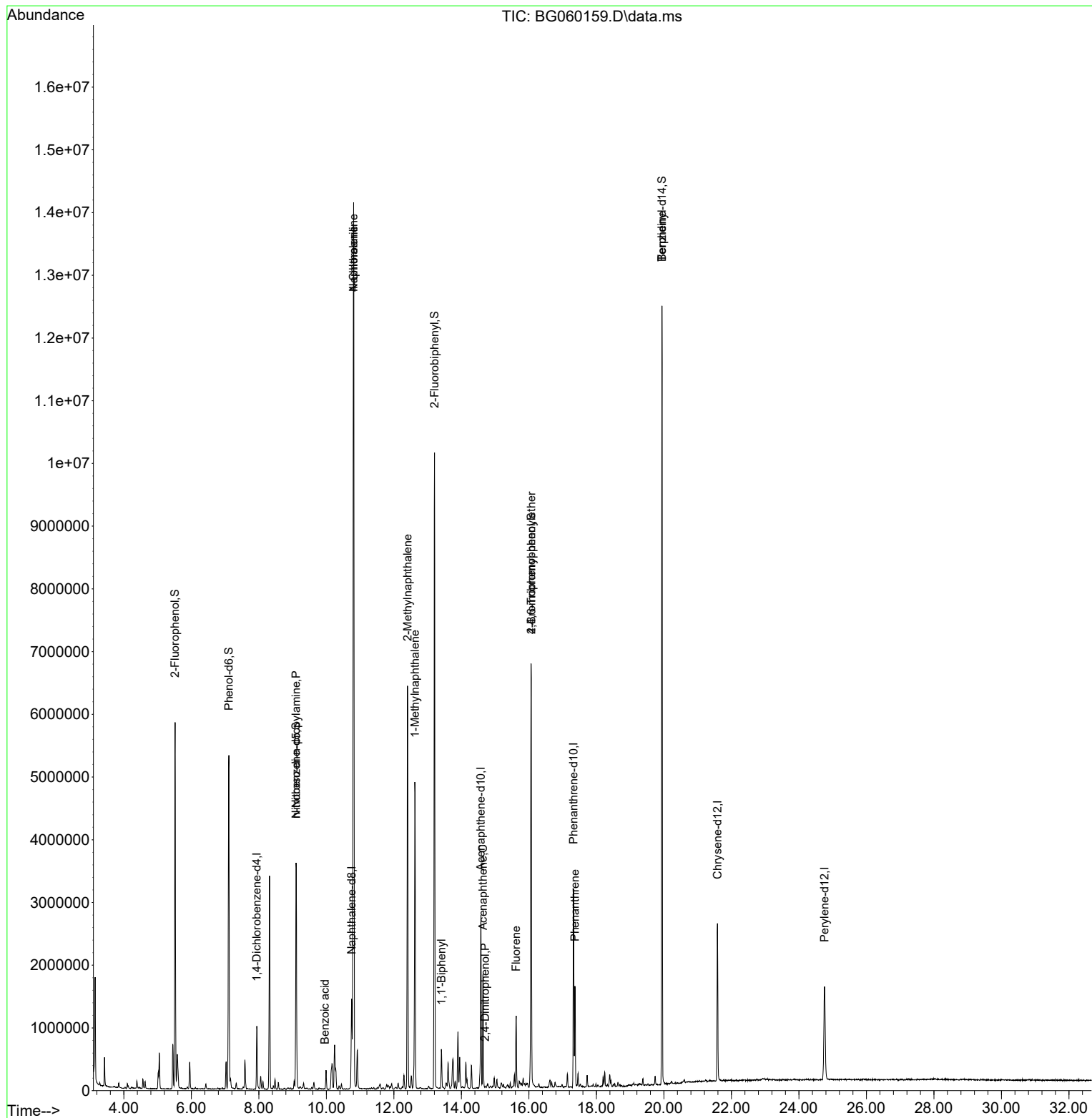
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.938	152	300576	20.000	ng	# 0.00
21) Naphthalene-d8	10.747	136	1346513	20.000	ng	0.00
39) Acenaphthene-d10	14.577	164	994988	20.000	ng	0.00
64) Phenanthrene-d10	17.321	188	2082474	20.000	ng	0.00
76) Chrysene-d12	21.587	240	1484646	20.000	ng	0.00
86) 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
19) n-Nitroso-di-n-propyla...	9.101	70	304139	12.184	ng	# 79
31) Naphthalene	10.805	128	9261905	129.209	ng	# 52
32) Benzoic acid	9.953	122	173	5.097	ng	89
33) 4-Chloroaniline	10.805	127	2072627	66.903	ng	# 29
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
54) 2,4-Dinitrophenol	14.701	184	95	6.626	ng	# 1
58) Fluorene	15.623	166	539835	6.648	ng	95
67) 4-Bromophenyl-phenylether	16.070	248	87140	4.442	ng	# 1
71) Phenanthrene	17.362	178	1042971	9.940	ng	98
77) Benzidine	19.942	184	106041	2.642	ng	# 89

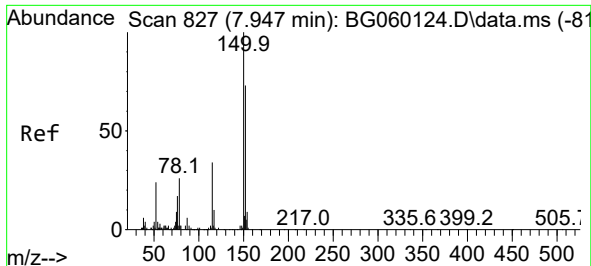
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

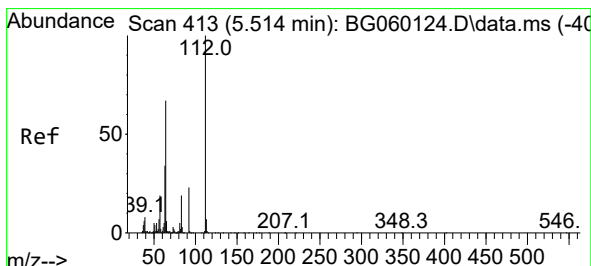
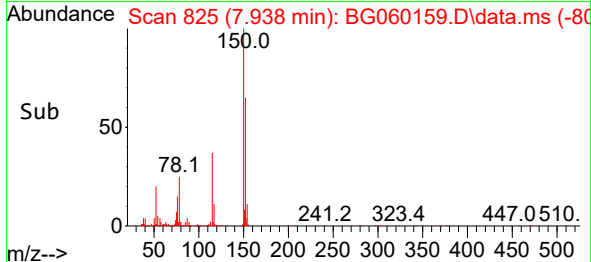
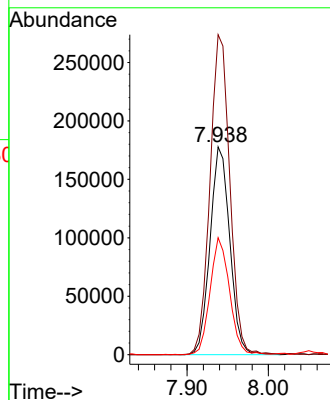
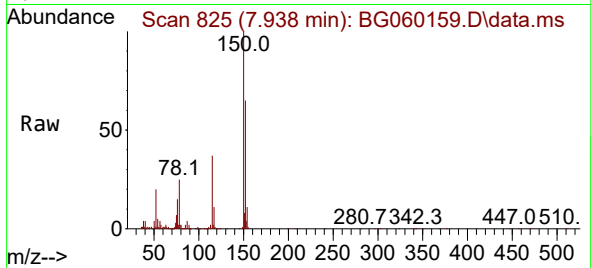




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.938 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

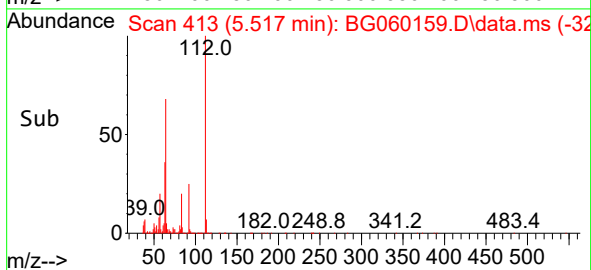
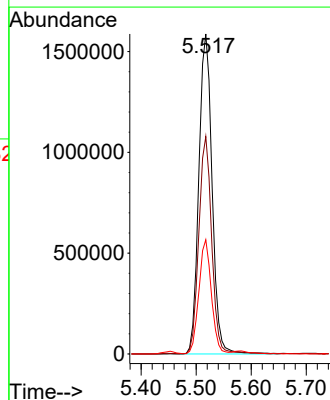
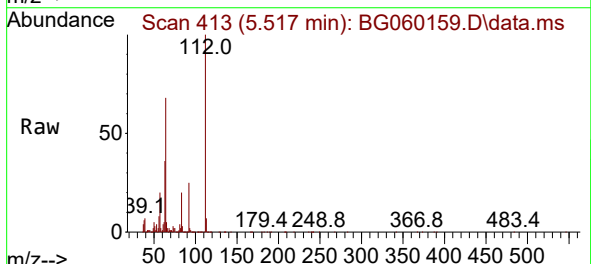
Instrument :
BNA_G
ClientSampleId :
WC-SOLIDS-20231213-01

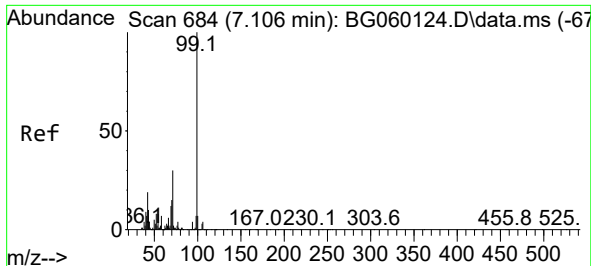
Tgt Ion:152 Resp: 300576
Ion Ratio Lower Upper
152 100
150 153.9 109.4 164.0
115 56.3 36.5 54.7#



#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

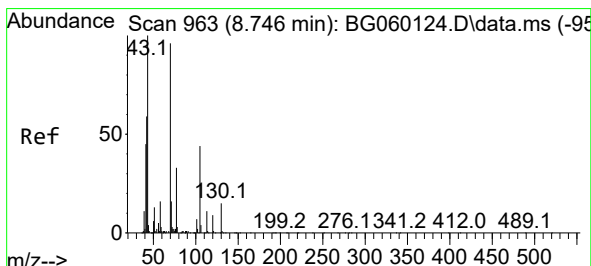
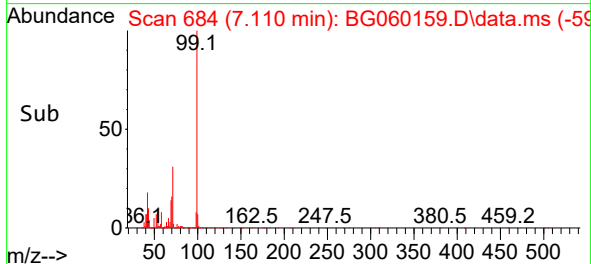
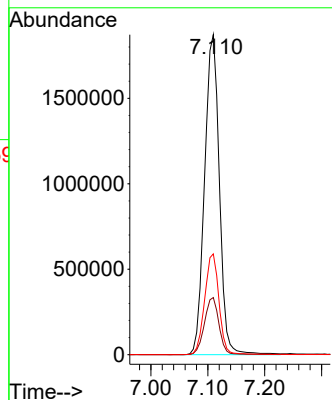
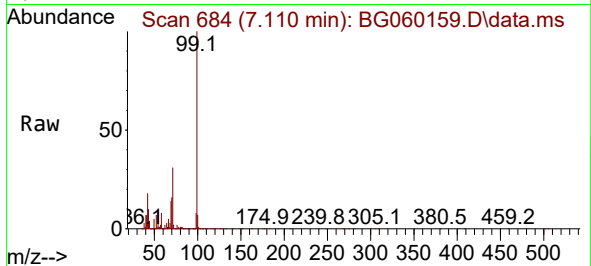




#7
Phenol-d6
Concen: 105.107 ng
RT: 7.110 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

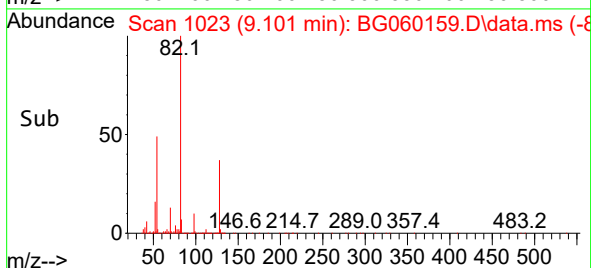
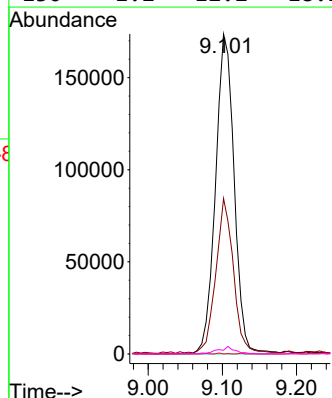
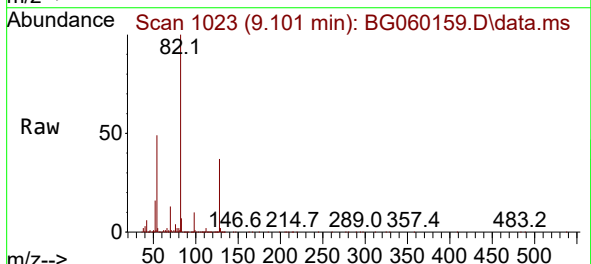
Instrument :
BNA_G
ClientSampleId :
WC-SOLIDS-20231213-01

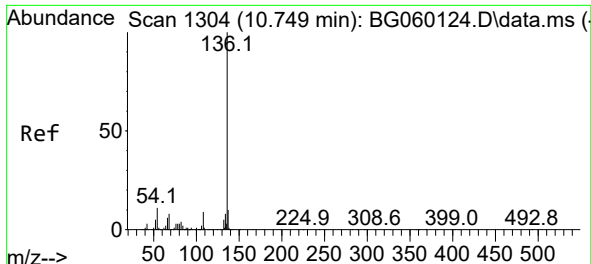
Tgt Ion: 99 Resp: 3374270
Ion Ratio Lower Upper
99 100
42 17.9 15.2 22.8
71 31.5 24.2 36.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.184 ng
RT: 9.101 min Scan# 1023
Delta R.T. 0.356 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

Tgt Ion: 70 Resp: 304139
Ion Ratio Lower Upper
70 100
42 48.6 49.6 74.4#
101 0.0 6.2 9.4#
130 1.2 12.2 18.2#



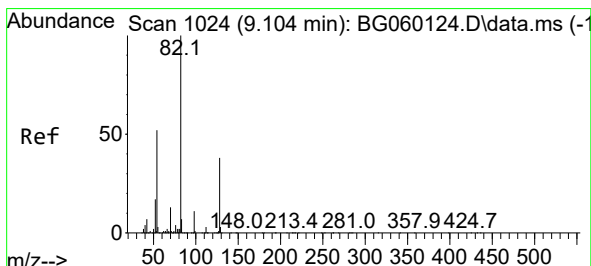
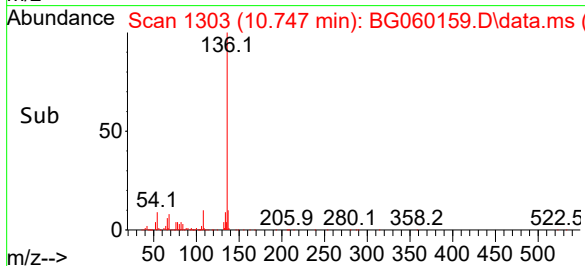
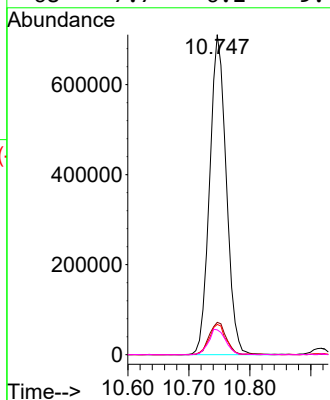
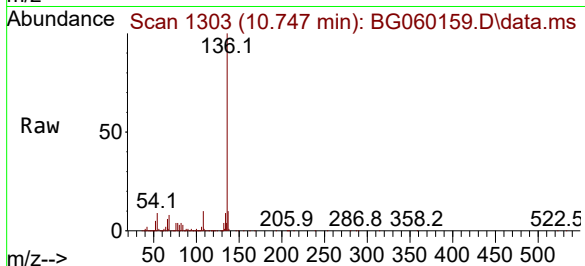


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.747 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

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

Tgt Ion:136 Resp: 1346513

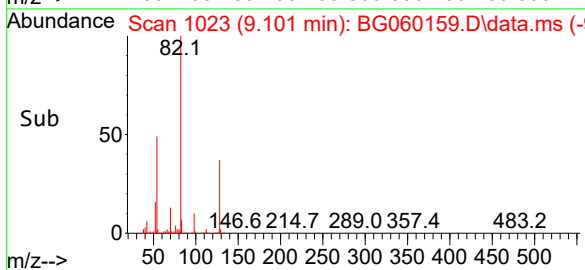
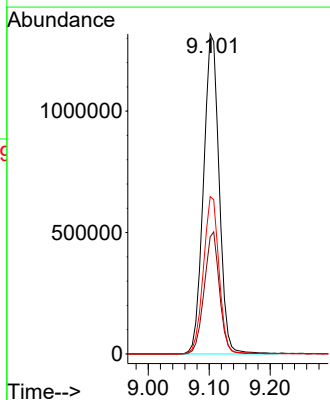
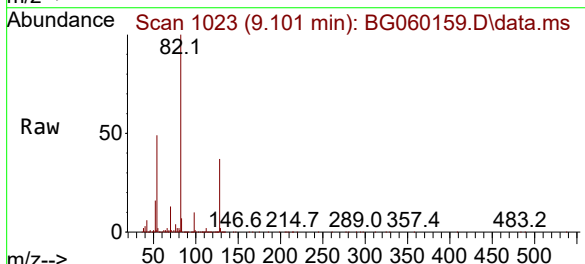
Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.1	12.1
54	9.4	8.7	13.1
68	7.7	6.2	9.4

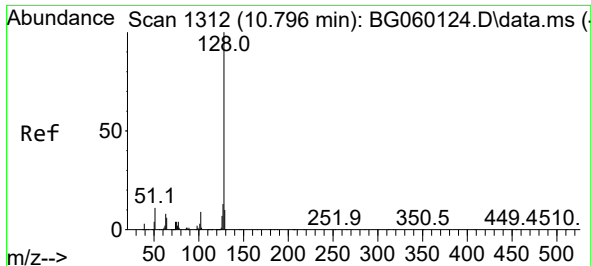


#23
Nitrobenzene-d5
Concen: 85.924 ng
RT: 9.101 min Scan# 1023
Delta R.T. -0.003 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

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

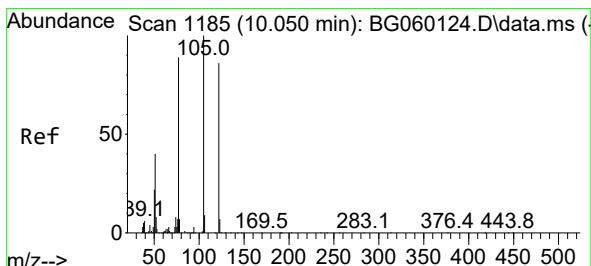
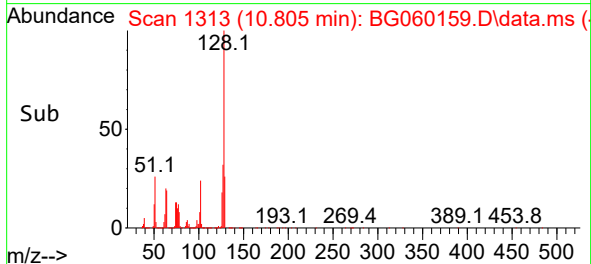
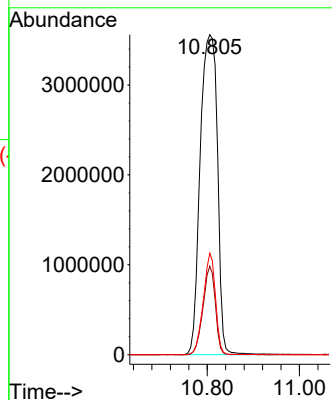
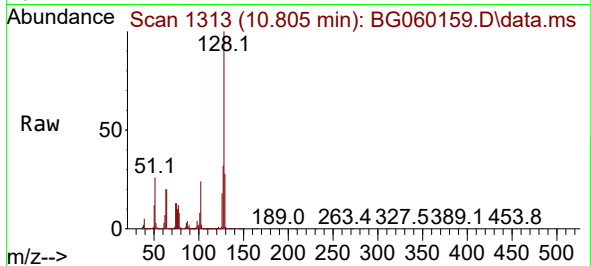




#31
Naphthalene
Concen: 129.209 ng
RT: 10.805 min Scan# 1168
Delta R.T. 0.009 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

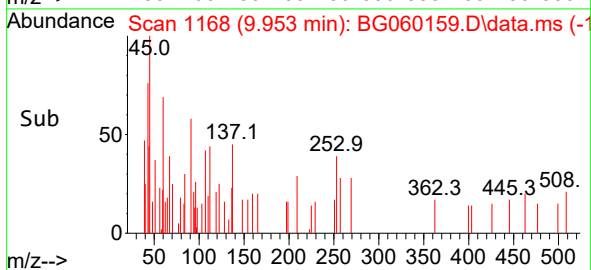
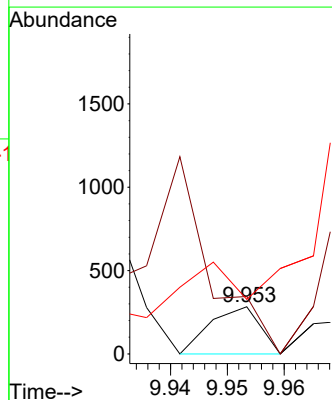
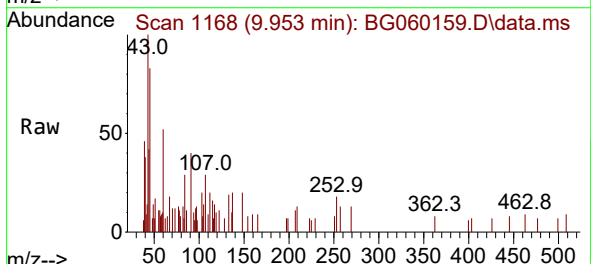
Instrument :
BNA_G
ClientSampleId :
WC-SOLIDS-20231213-01

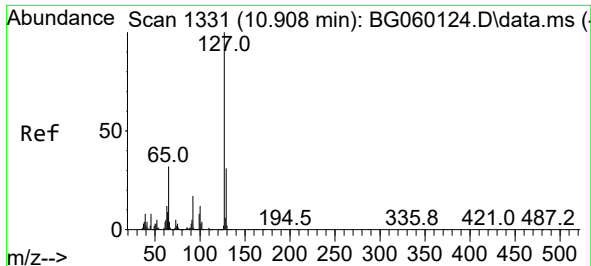
Tgt Ion:128 Resp: 9261905
Ion Ratio Lower Upper
128 100
129 27.7 7.8 11.8#
127 31.7 10.3 15.5#



#32
Benzoic acid
Concen: 5.097 ng
RT: 9.953 min Scan# 1168
Delta R.T. -0.097 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

Tgt Ion:122 Resp: 173
Ion Ratio Lower Upper
122 100
105 121.6 93.2 133.2
77 115.5 81.7 121.7

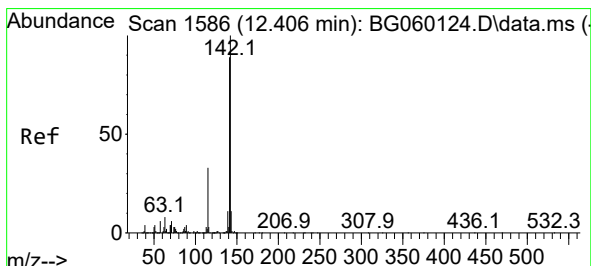
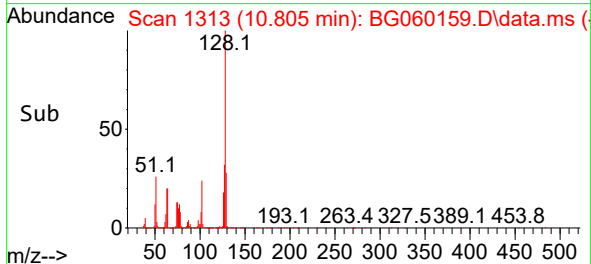
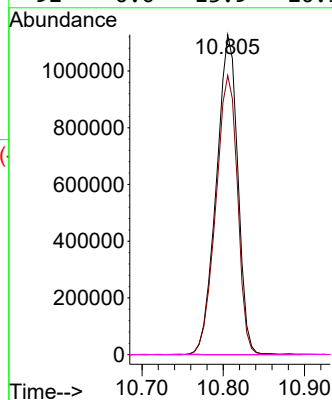
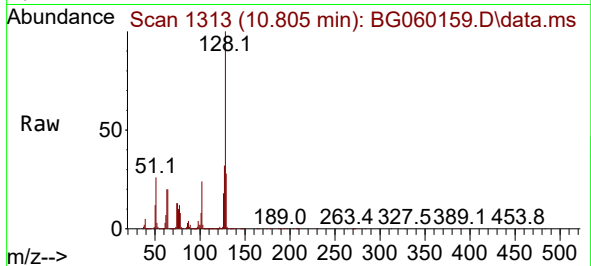




#33
4-Chloroaniline
Concen: 66.903 ng
RT: 10.805 min Scan# 11
Delta R.T. -0.102 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

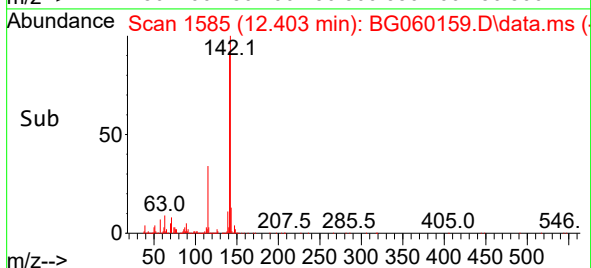
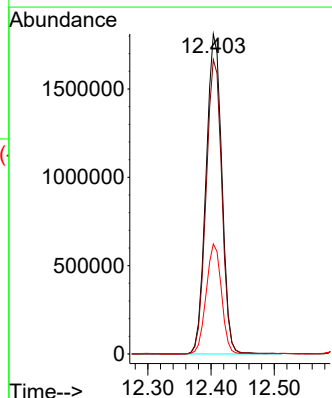
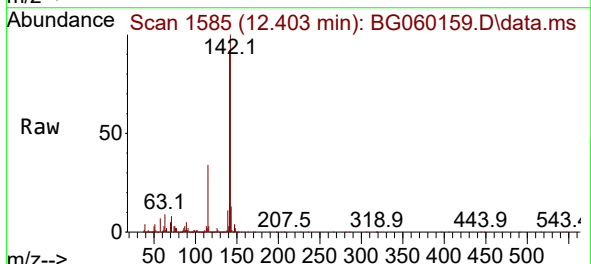
Instrument :
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ClientSampleId :
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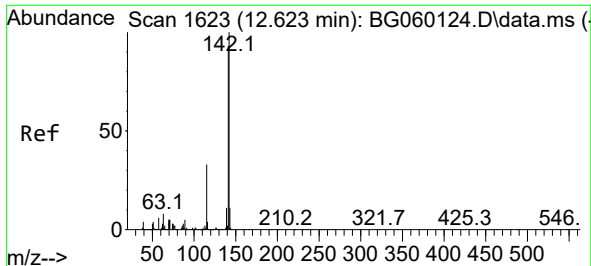
Tgt Ion:127 Resp: 2072627
Ion Ratio Lower Upper
127 100
129 87.3 24.6 36.8#
65 0.0 25.7 38.5#
92 0.0 13.9 20.9#



#37
2-Methylnaphthalene
Concen: 56.451 ng
RT: 12.403 min Scan# 1585
Delta R.T. -0.002 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

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

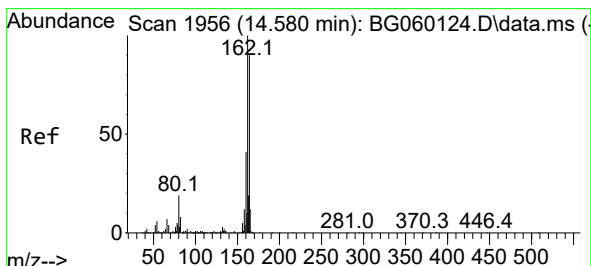
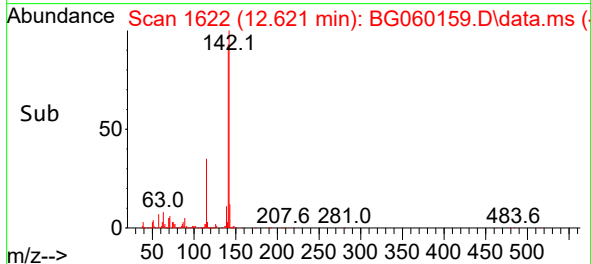
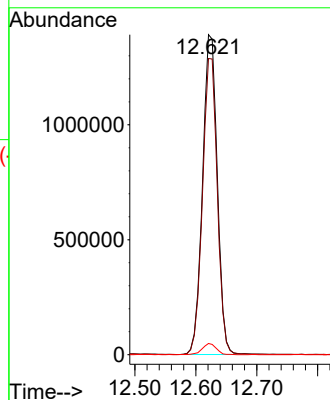
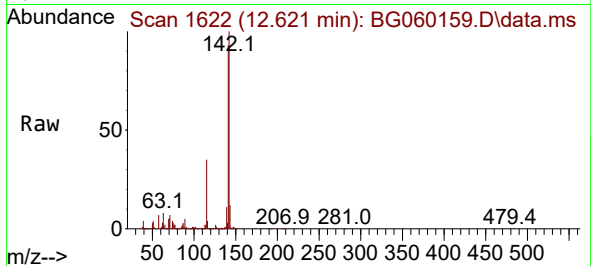




#38
1-Methylnaphthalene
Concen: 41.820 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

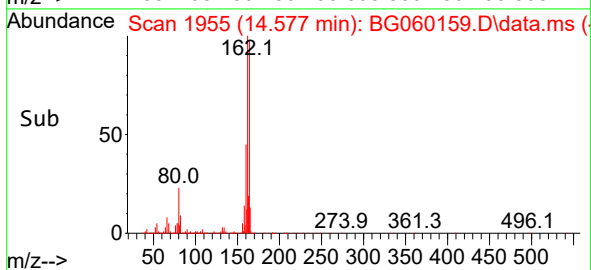
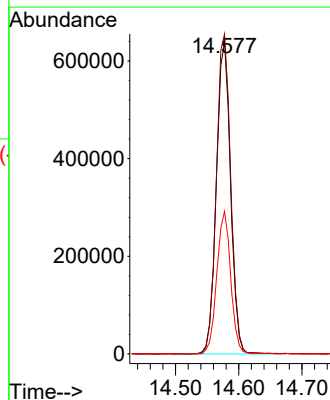
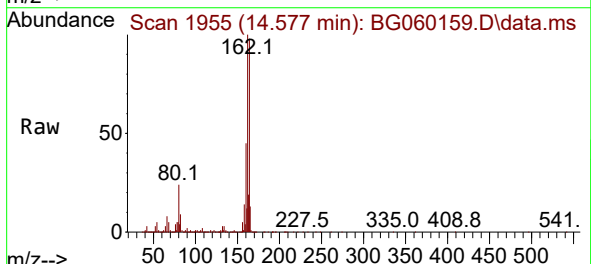
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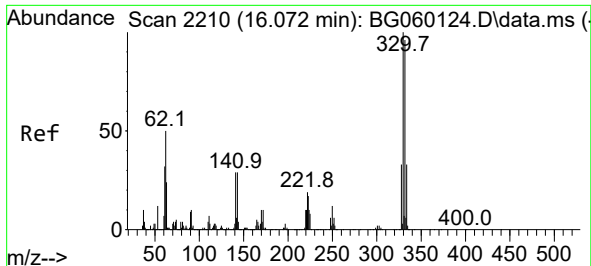
Tgt Ion:142 Resp: 2335430
Ion Ratio Lower Upper
142 100
141 92.5 74.4 111.6
116 3.5 2.9 4.3



#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

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

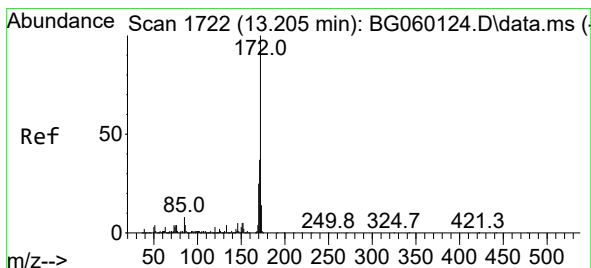
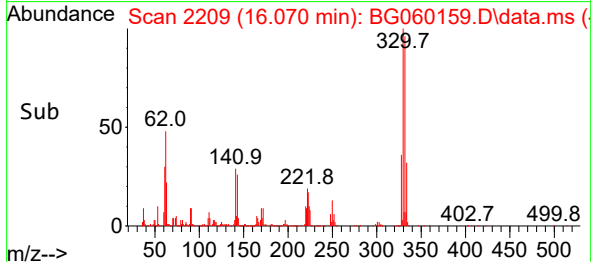
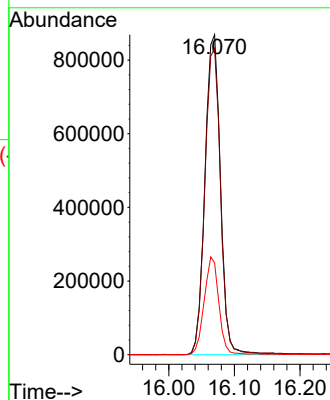
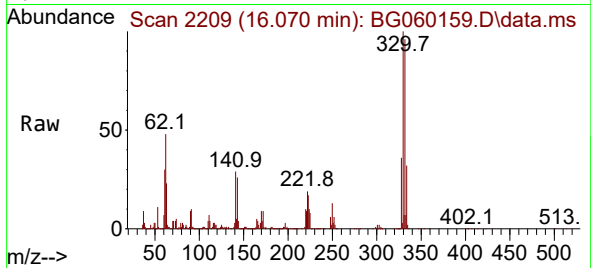




#42
2,4,6-Tribromophenol
Concen: 106.868 ng
RT: 16.070 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

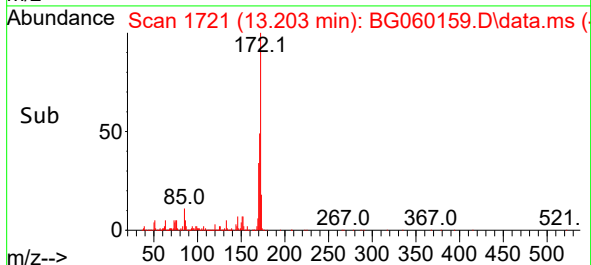
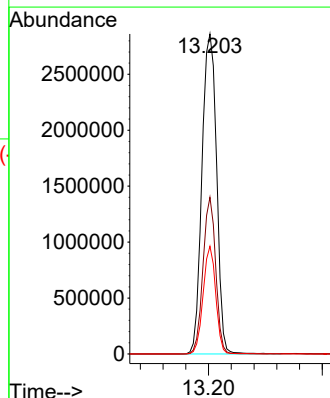
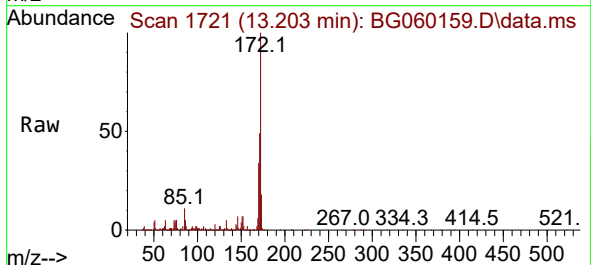
Instrument :
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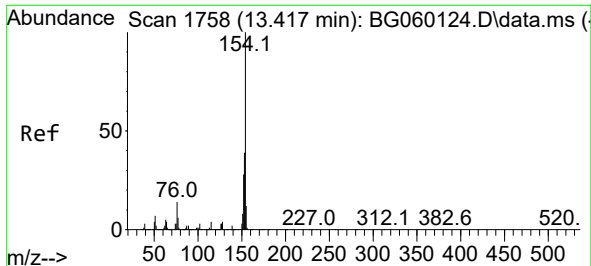
Tgt Ion:330 Resp: 1431689
Ion Ratio Lower Upper
330 100
332 97.0 75.5 113.3
141 28.7 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 77.058 ng
RT: 13.203 min Scan# 1721
Delta R.T. -0.002 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

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#

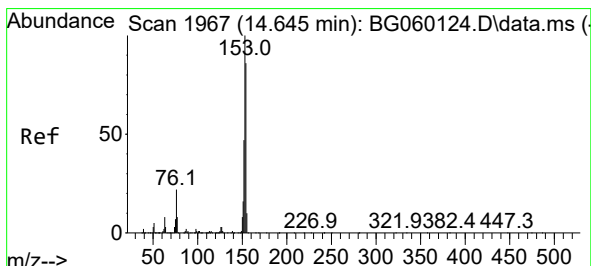
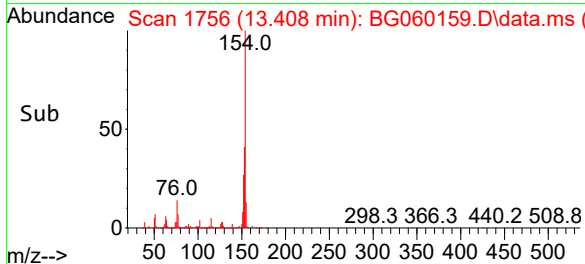
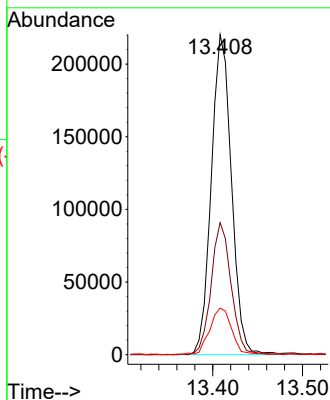
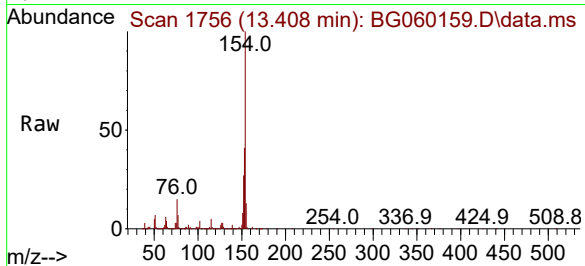




#46
1,1'-Biphenyl
Concen: 4.746 ng
RT: 13.408 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

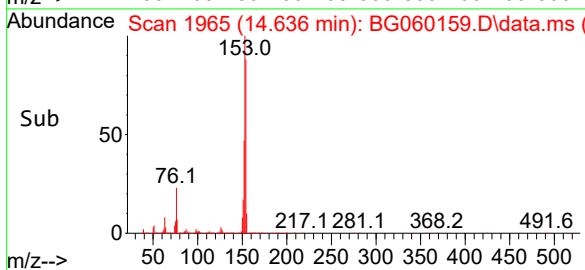
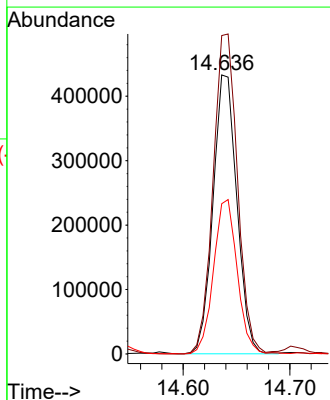
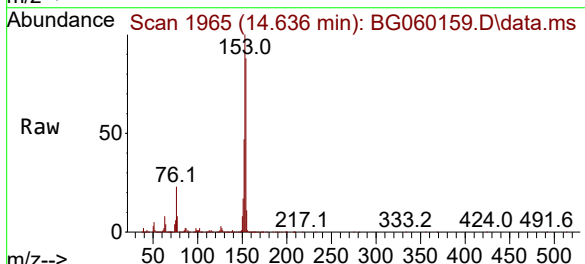
Instrument :
BNA_G
ClientSampleId :
WC-SOLIDS-20231213-01

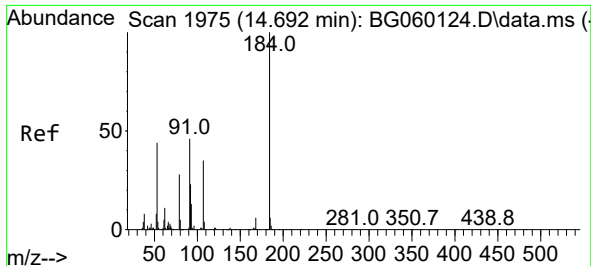
Tgt Ion:154 Resp: 343155
Ion Ratio Lower Upper
154 100
153 41.3 19.4 59.4
76 14.5 0.0 34.1



#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

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

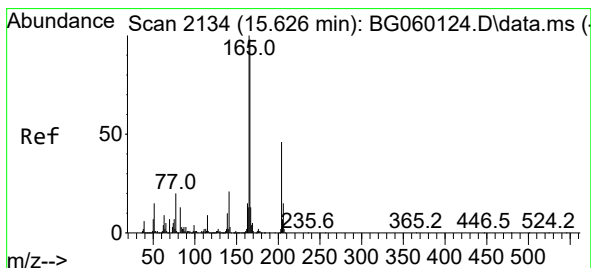
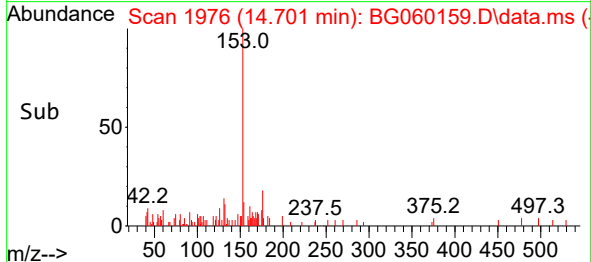
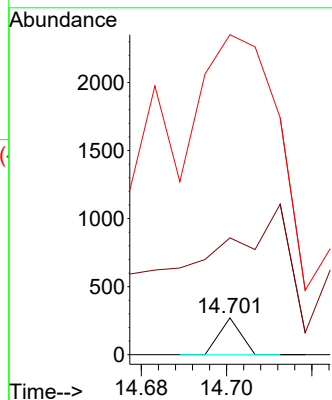
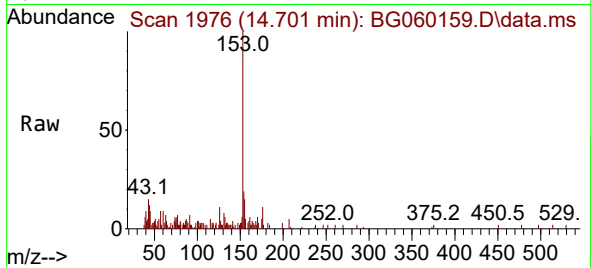




#54
2,4-Dinitrophenol
Concen: 6.626 ng
RT: 14.701 min Scan# 1975
Delta R.T. 0.009 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

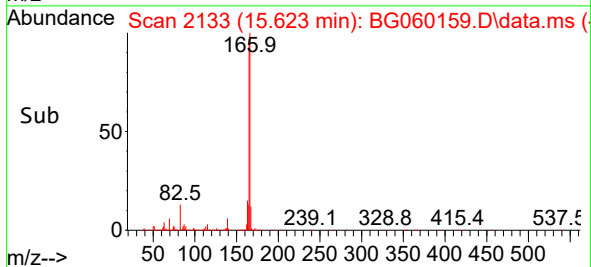
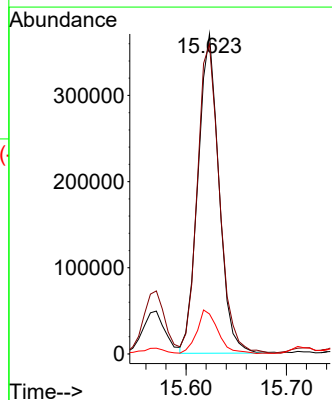
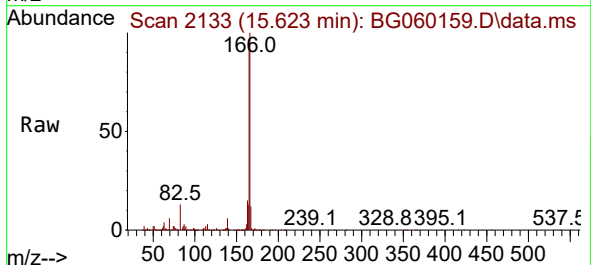
Instrument :
BNA_G
ClientSampleId :
WC-SOLIDS-20231213-01

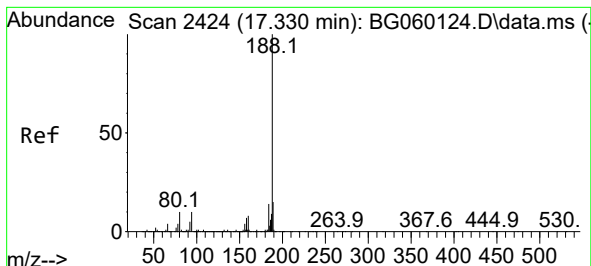
Tgt Ion:184 Resp: 95
Ion Ratio Lower Upper
184 100
63 317.8 48.1 72.1#
154 871.1 44.3 66.5#



#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# 2424

Delta R.T. -0.008 min

Lab File: BG060159.D

Acq: 23 Dec 2023 5:41

Instrument :

BNA_G

ClientSampleId :

WC-SOLIDS-20231213-01

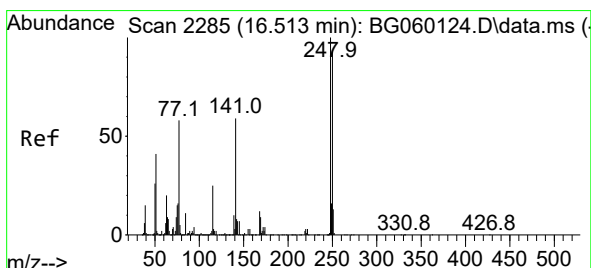
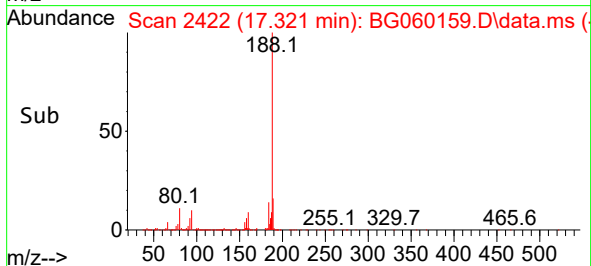
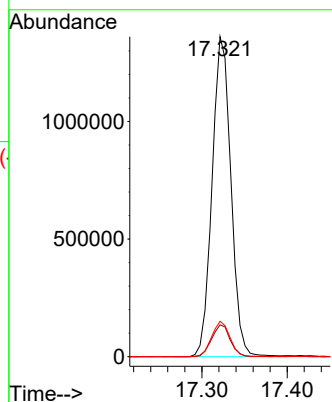
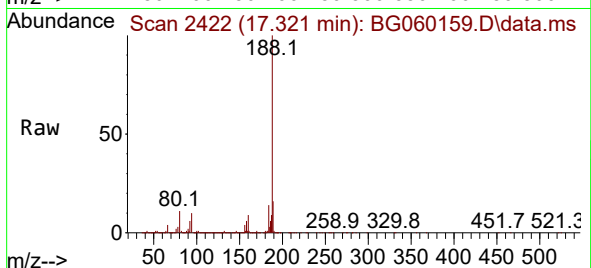
Tgt Ion:188 Resp: 2082474

Ion Ratio Lower Upper

188 100

94 9.9 7.6 11.4

80 11.1 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 4.442 ng

RT: 16.070 min Scan# 2209

Delta R.T. -0.443 min

Lab File: BG060159.D

Acq: 23 Dec 2023 5:41

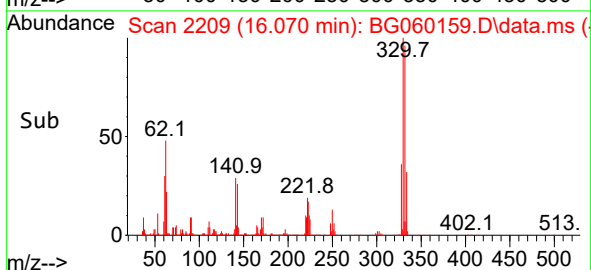
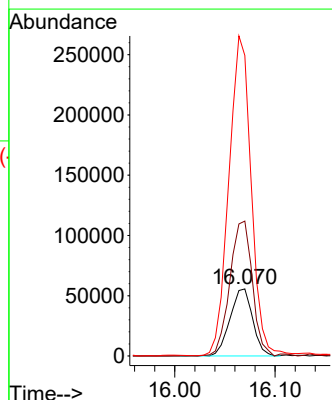
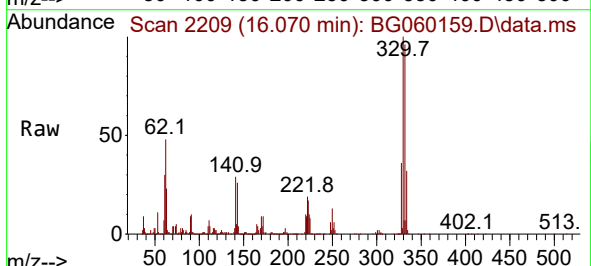
Tgt Ion:248 Resp: 87140

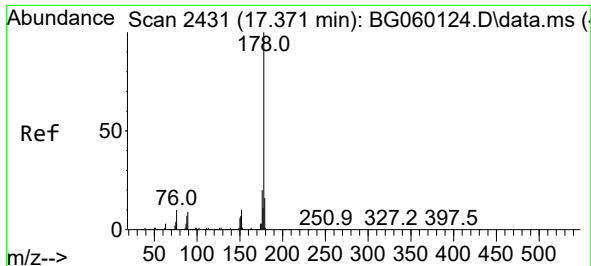
Ion Ratio Lower Upper

248 100

250 157.9 74.5 111.7#

141 352.0 47.4 71.0#

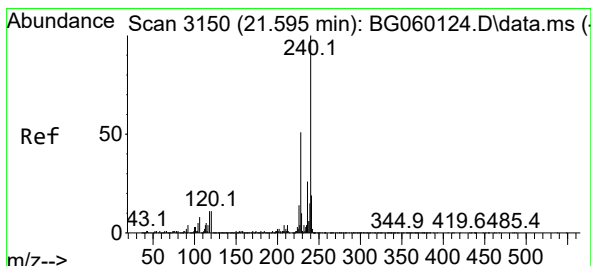
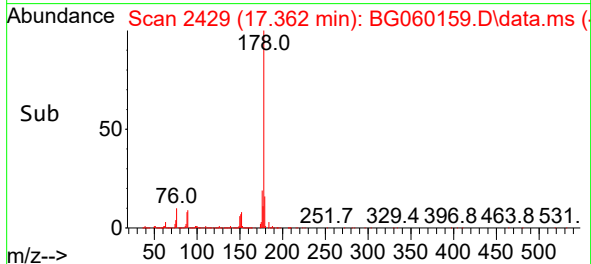
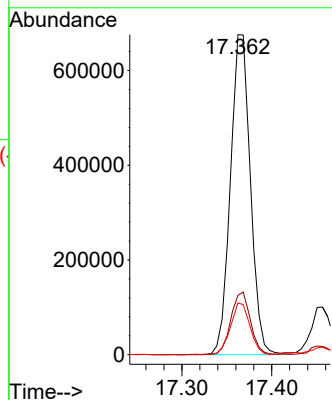
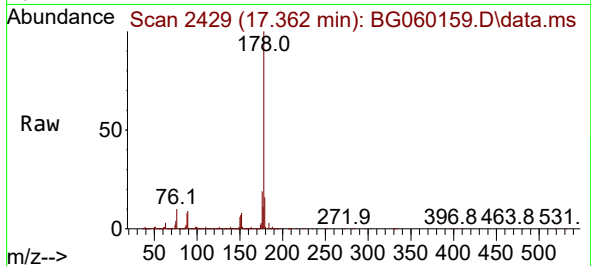




#71
Phenanthrene
Concen: 9.940 ng
RT: 17.362 min Scan# 2431
Delta R.T. -0.008 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

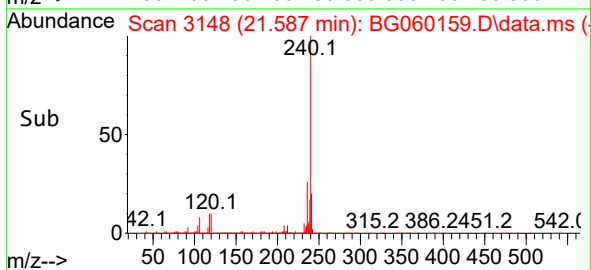
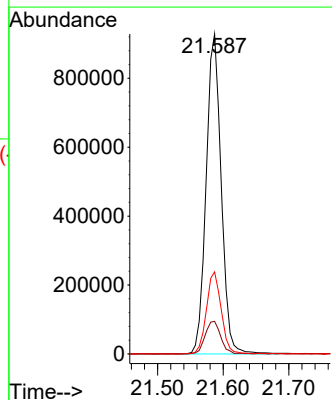
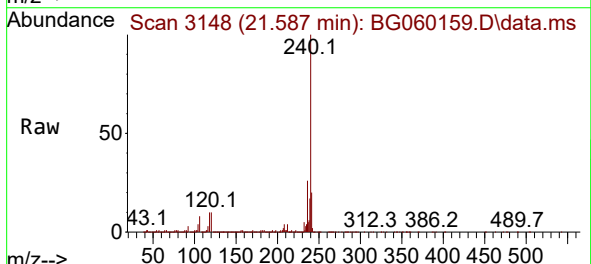
Instrument :
BNA_G
ClientSampleId :
WC-SOLIDS-20231213-01

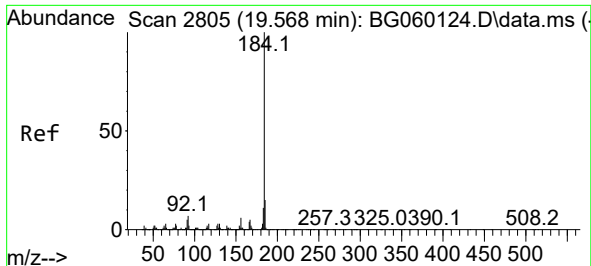
Tgt Ion:178 Resp: 1042971
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 16.2 13.2 19.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.587 min Scan# 3148
Delta R.T. -0.008 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

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

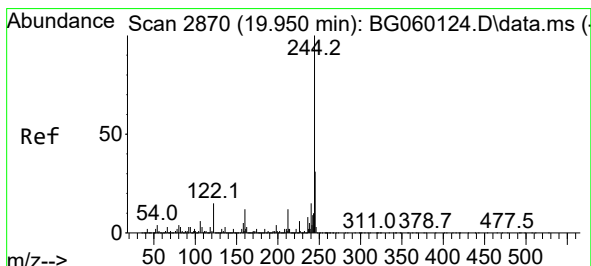
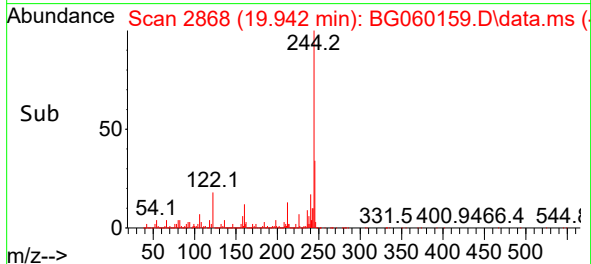
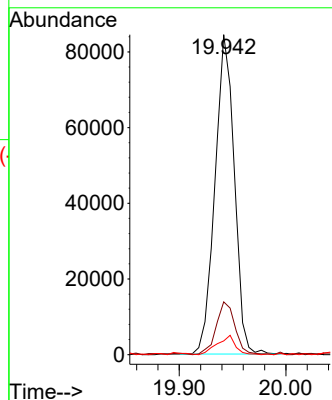
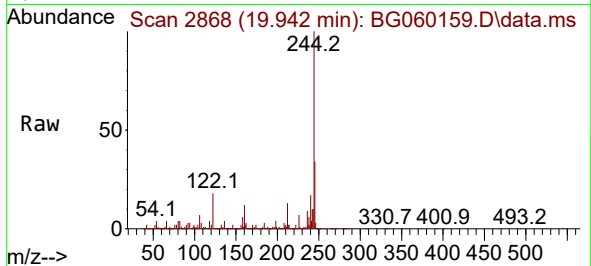




#77
Benzidine
Concen: 2.642 ng
RT: 19.942 min Scan# 2868
Delta R.T. 0.374 min
Lab File: BG060159.D
Acq: 23 Dec 2023 5:41

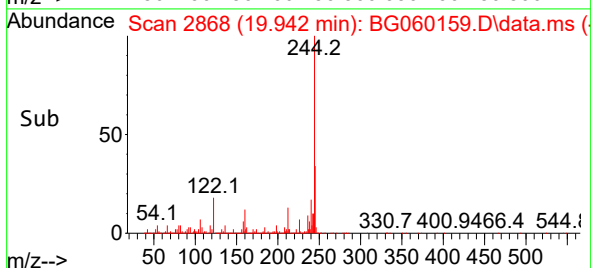
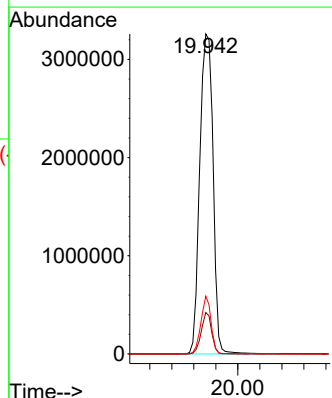
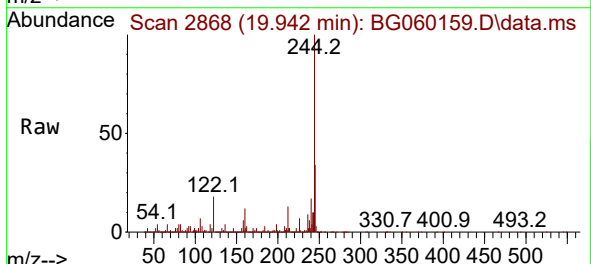
Instrument :
BNA_G
ClientSampleId :
WC-SOLIDS-20231213-01

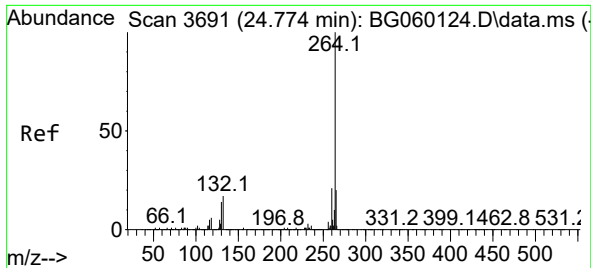
Tgt Ion:184 Resp: 106041
Ion Ratio Lower Upper
184 100
185 16.5 11.7 17.5
183 4.3 9.0 13.6#



#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

