

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061573.D
 Acq On : 8 Jun 2024 20:19
 Operator : MA/JU
 Sample : P2647-18
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBT2

Quant Time: Jun 09 23:03:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 06 12:15:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	26916	20.000	ng/ul	0.00
20) Naphthalene-d8	10.668	136	107845	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.511	164	79329	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.266	188	186085	20.000	ng/ul	0.00
79) Chrysene-d12	21.532	240	198018	20.000	ng/ul	0.01
88) Perylene-d12	24.634	264	224282	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.330	96	1706	3.547	ng/uL	-0.03
4) Pyridine-d5	3.747	84	11939	6.978	ng/ul	-0.02
7) Phenol-d5	7.072	99	7014	3.173	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.202	67	25643	18.457	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.419	132	37373	22.846	ng/ul	0.00
15) 4-Methylphenol-d8	8.653	113	36489	19.360	ng/ul	0.05
21) Nitrobenzene-d5	9.035	128	18504	22.285	ng/ul	0.00
24) 2-Nitrophenol-d4	9.769	143	21457	22.080	ng/ul	0.01
28) 2,4-Dichlorophenol-d3	10.310	165	44811	23.653	ng/ul	0.00
31) 4-Chloroaniline-d4	10.809	131	25393	10.245	ng/ul	0.00
46) Dimethylphthalate-d6	13.917	166	139050	22.600	ng/ul	0.00
49) Acenaphthylene-d8	14.205	160	150844	23.582	ng/ul	0.00
54) 4-Nitrophenol-d4	14.775	143	12084	15.886	ng/ul	0.02
60) Fluorene-d10	15.509	176	124749	23.485	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.662	200	13298	11.815	ng/ul	0.01
73) Anthracene-d10	17.366	188	206366	25.155	ng/ul	0.00
81) Pyrene-d10	19.663	212	227392	22.365	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.423	264	195740	18.153	ng/ul	0.02
Target Compounds						
					Qvalue	
13) 2-Methylphenol	8.177	108	3979	2.280	ng/ul#	16
27) Bis(2-Chloroethoxy)met...	10.133	93	544401	234.433	ng/ul#	1
30) Naphthalene	10.721	128	13530	2.377	ng/ul#	95
36) 2-Methylnaphthalene	12.331	142	7564	1.832	ng/ul	99
37) 1-Methylnaphthalene	12.548	142	7447	1.758	ng/ul	89
52) Acenaphthene	14.575	153	8609	1.850	ng/ul	97
56) Dibenzofuran	14.916	168	10153	1.526	ng/ul	87
59) Diethylphthalate	15.327	149	29544	4.665	ng/ul	99
61) Fluorene	15.562	166	11239	1.953	ng/ul#	88
72) Phenanthrene	17.307	178	268451	29.723	ng/ul	99
74) Anthracene	17.401	178	39622	4.243	ng/ul	99
77) Carbazole	17.672	167	22414	2.951	ng/ul	96
80) Fluoranthene	19.328	202	553462	45.377	ng/ul	98
82) Pyrene	19.693	202	439445	34.710	ng/ul	97
83) Butylbenzylphthalate	20.574	149	5526	1.271	ng/ul#	96
85) Benzo(a)anthracene	21.514	228	308429	22.573	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.408	149	43094	6.694	ng/ul	96
87) Chrysene	21.514	228	306994	24.401	ng/ul	96
90) Benzo(b)fluoranthene	23.659	252	411417	30.809	ng/ul	99
91) Benzo(k)fluoranthene	23.659	252	411417	30.349	ng/ul	96
93) Benzo(a)pyrene	24.487	252	172765	13.625	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	28.171	276	110475	7.204	ng/ul	96
95) Dibenzo(a,h)anthracene	28.183	278	14545	1.150	ng/ul#	82

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
Response via : Initial Calibration

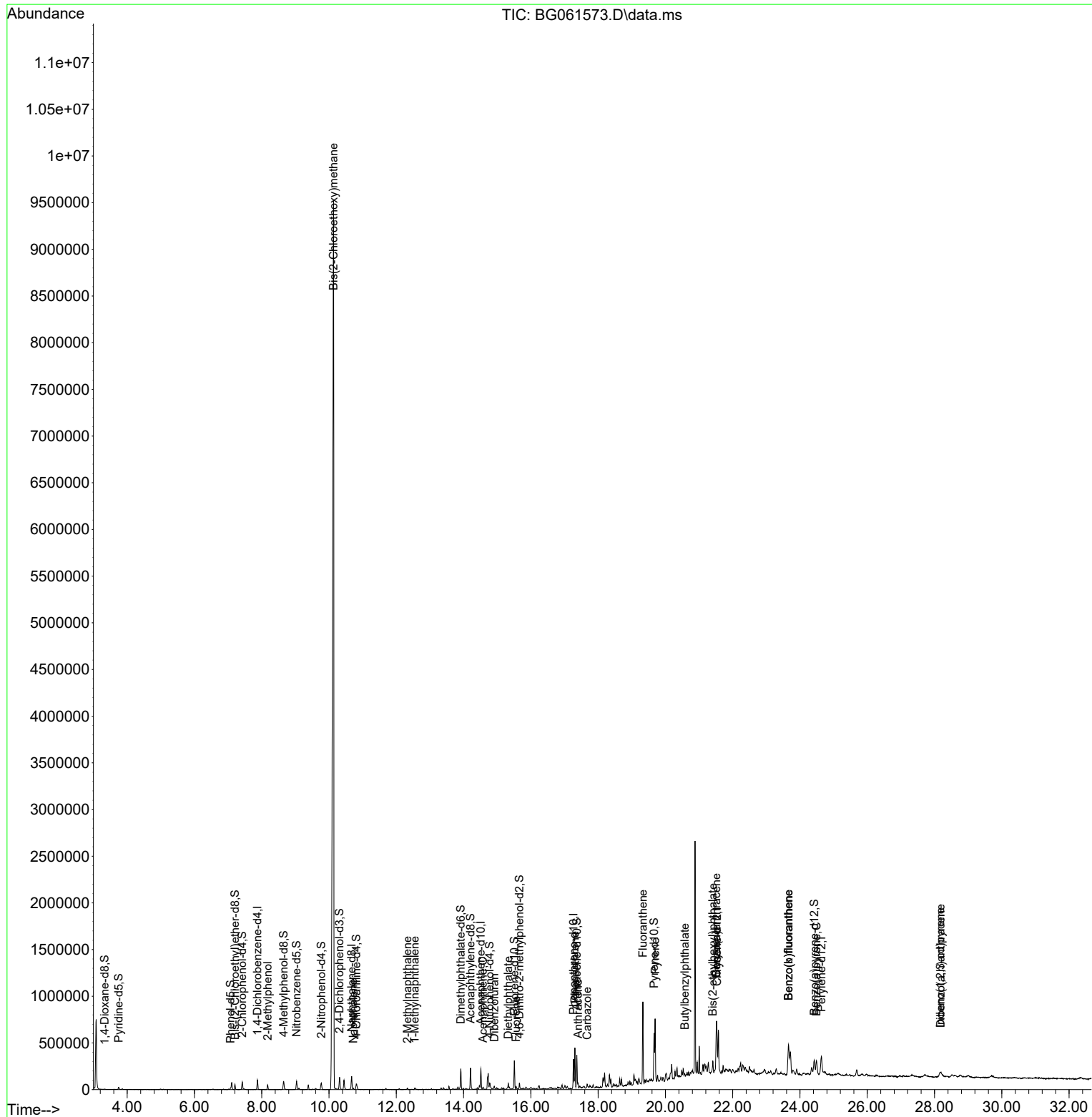
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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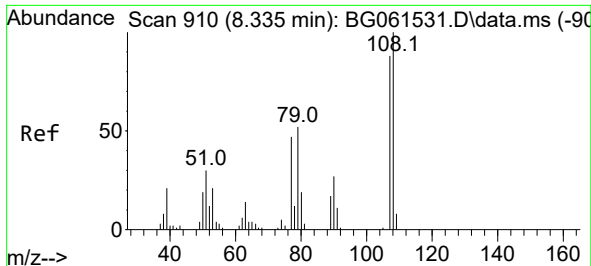
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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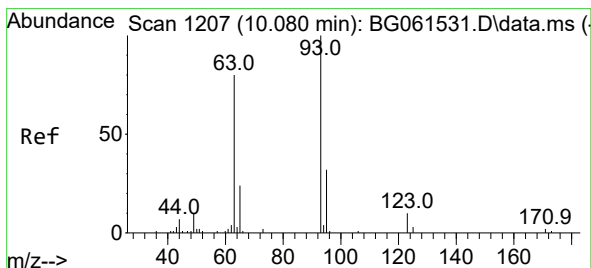
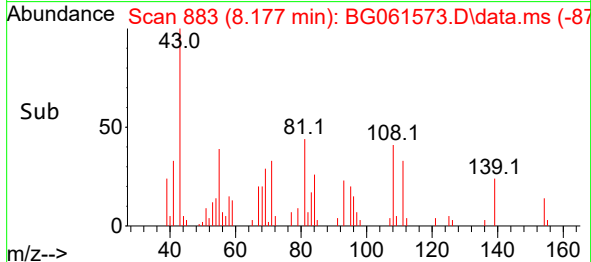
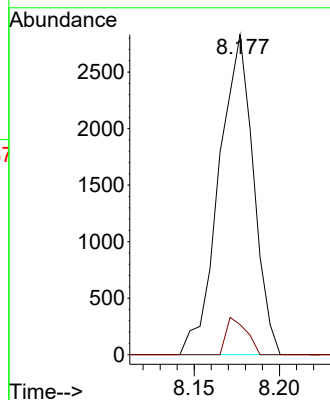
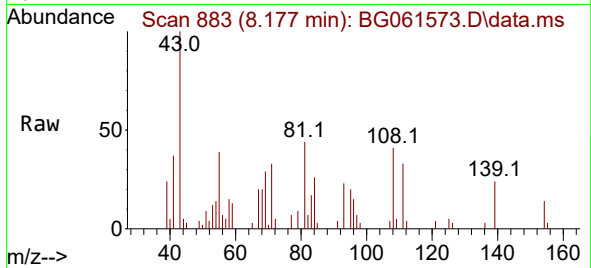




#13
2-Methylphenol
Concen: 2.280 ng/ul
RT: 8.177 min Scan# 81
Delta R.T. -0.158 min
Lab File: BG061573.D
Acq: 8 Jun 2024 20:19

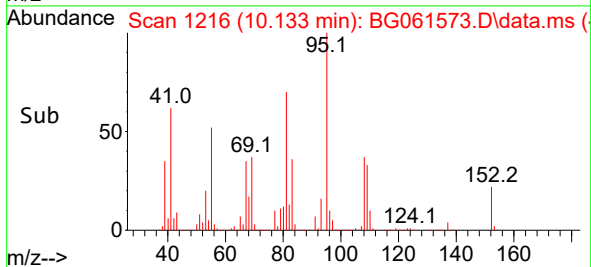
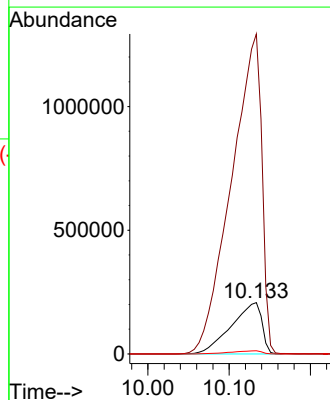
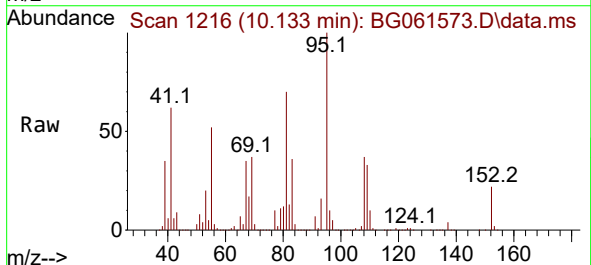
Instrument :
BNA_G
ClientSampleId :
BHBT2

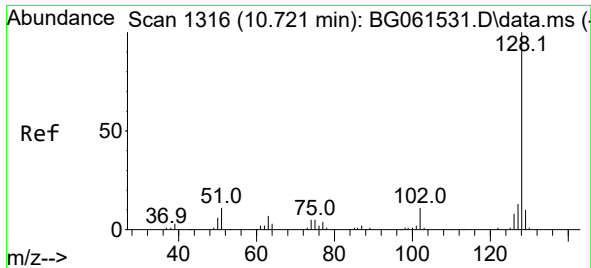
Tgt Ion:108 Resp: 3979
Ion Ratio Lower Upper
108 100
107 9.4 69.5 104.3#



#27
Bis(2-Chloroethoxy)methane
Concen: 234.433 ng/ul
RT: 10.133 min Scan# 1216
Delta R.T. 0.054 min
Lab File: BG061573.D
Acq: 8 Jun 2024 20:19

Tgt Ion: 93 Resp: 544401
Ion Ratio Lower Upper
93 100
95 623.1 25.8 38.8#
123 6.4 7.2 10.8#

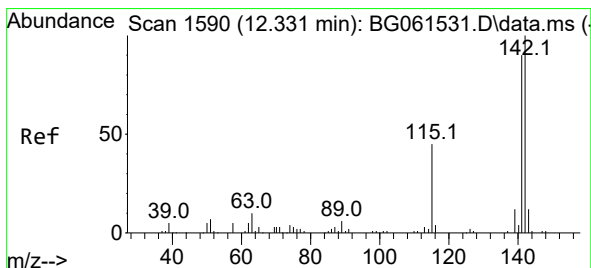
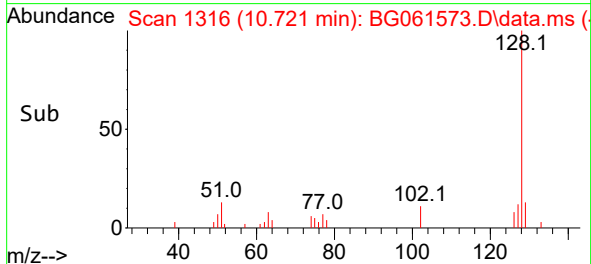
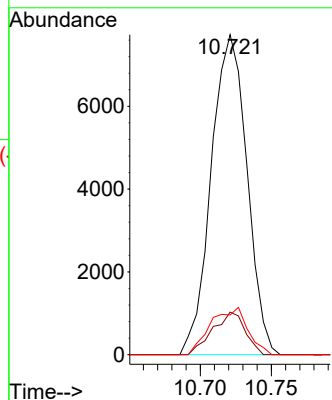
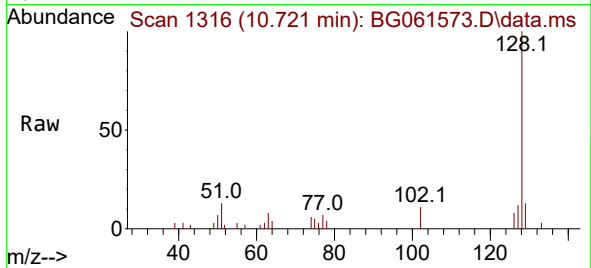




#30
Naphthalene
Concen: 2.377 ng/ul
RT: 10.721 min Scan# 1316
Delta R.T. 0.001 min
Lab File: BG061573.D
Acq: 8 Jun 2024 20:19

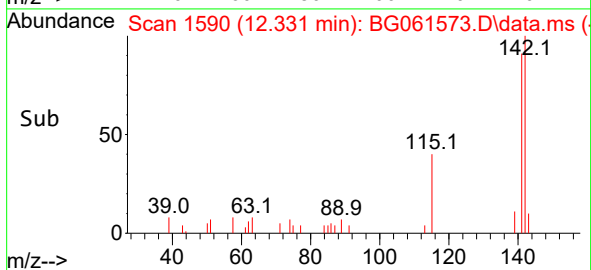
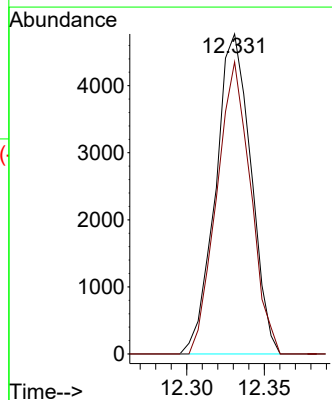
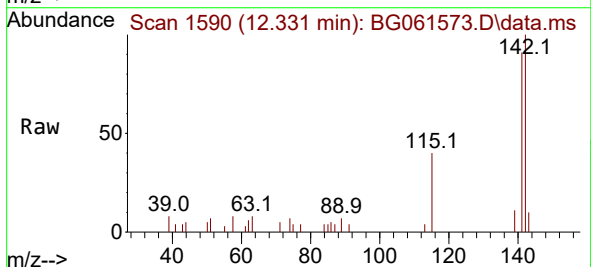
Instrument :
BNA_G
ClientSampleId :
BHBT2

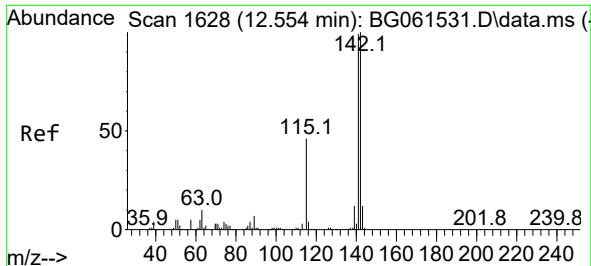
Tgt Ion:128 Resp: 13530
Ion Ratio Lower Upper
128 100
129 13.3 8.6 12.8#
127 12.4 10.8 16.2



#36
2-Methylnaphthalene
Concen: 1.832 ng/ul
RT: 12.331 min Scan# 1590
Delta R.T. 0.001 min
Lab File: BG061573.D
Acq: 8 Jun 2024 20:19

Tgt Ion:142 Resp: 7564
Ion Ratio Lower Upper
142 100
141 91.3 72.2 108.2

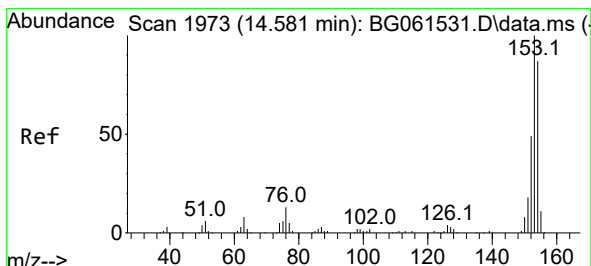
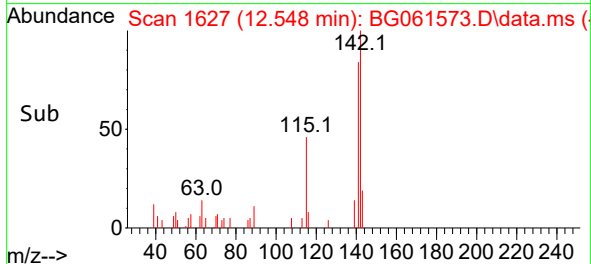
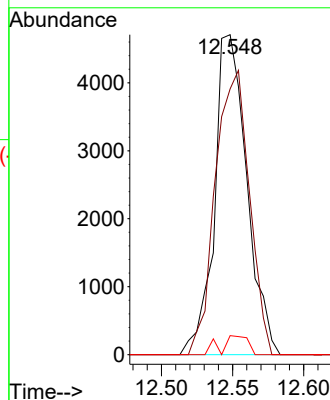
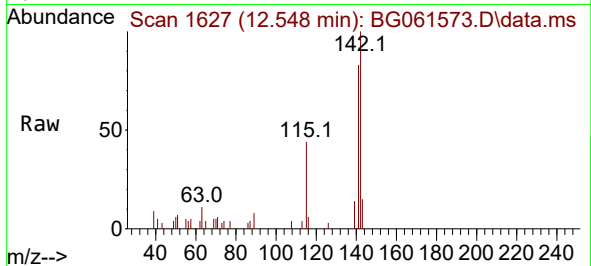




#37
1-Methylnaphthalene
Concen: 1.758 ng/ul
RT: 12.548 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG061573.D
Acq: 8 Jun 2024 20:19

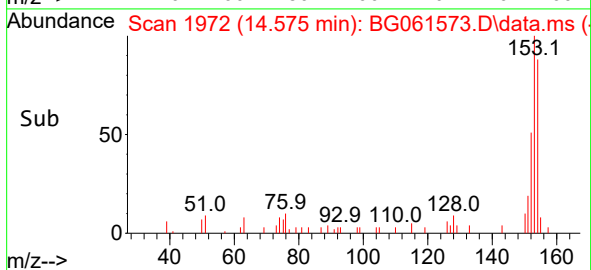
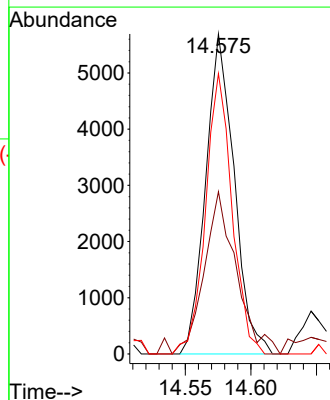
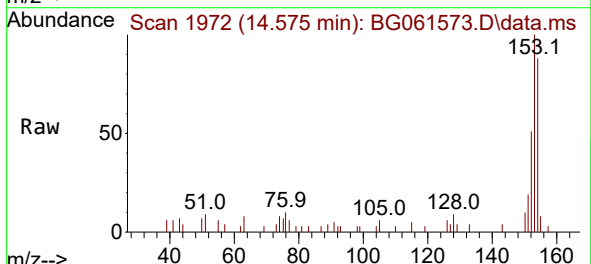
Instrument :
BNA_G
ClientSampleId :
BHBT2

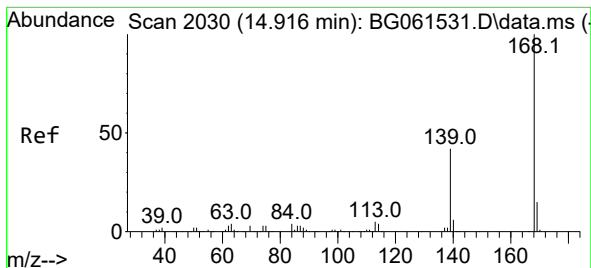
Tgt Ion:142 Resp: 7447
Ion Ratio Lower Upper
142 100
141 83.1 75.5 113.3
116 6.0 4.0 6.0



#52
Acenaphthene
Concen: 1.850 ng/ul
RT: 14.575 min Scan# 1972
Delta R.T. 0.001 min
Lab File: BG061573.D
Acq: 8 Jun 2024 20:19

Tgt Ion:153 Resp: 8609
Ion Ratio Lower Upper
153 100
152 50.7 37.8 56.8
154 87.6 69.0 103.6





#56

Dibenzenofuran

Concen: 1.526 ng/ul

RT: 14.916 min Scan# 20

Delta R.T. 0.007 min

Lab File: BG061573.D

Acq: 8 Jun 2024 20:19

Instrument :

BNA_G

ClientSampleId :

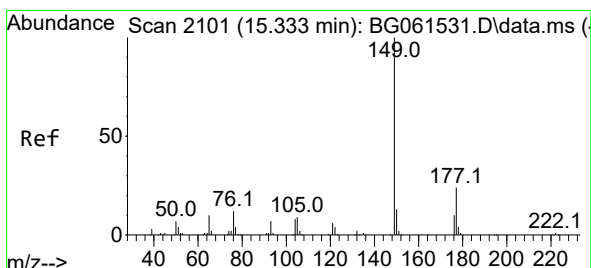
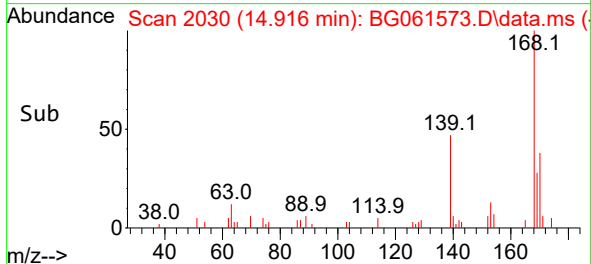
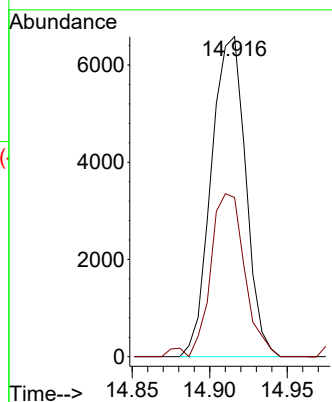
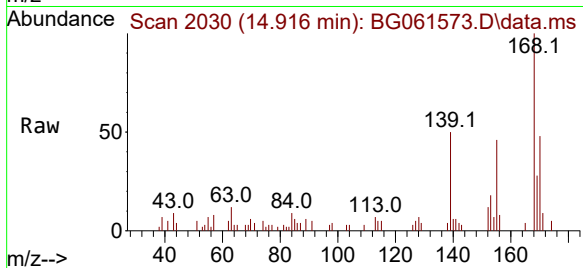
BHBT2

Tgt Ion:168 Resp: 10153

Ion Ratio Lower Upper

168 100

139 49.8 33.4 50.2



#59

Diethylphthalate

Concen: 4.665 ng/ul

RT: 15.327 min Scan# 2100

Delta R.T. 0.001 min

Lab File: BG061573.D

Acq: 8 Jun 2024 20:19

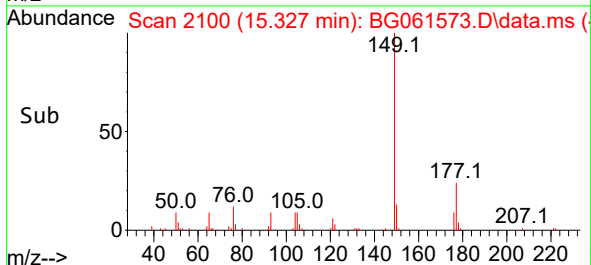
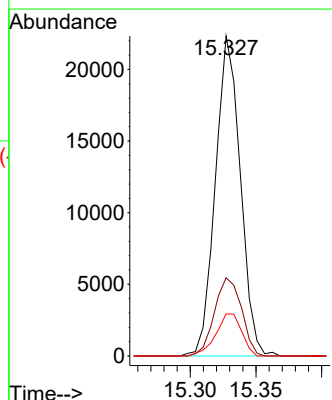
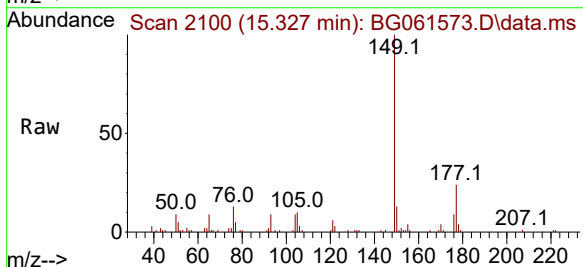
Tgt Ion:149 Resp: 29544

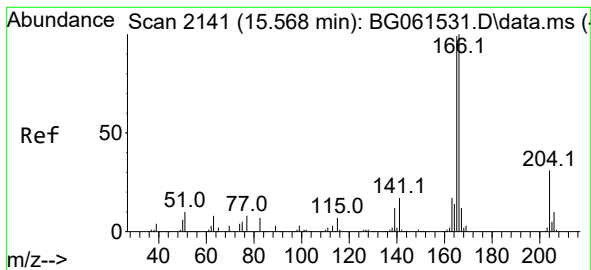
Ion Ratio Lower Upper

149 100

177 24.4 19.1 28.7

150 13.1 11.0 16.4





#61

Fluorene

Concen: 1.953 ng/ul

RT: 15.562 min Scan# 2141

Delta R.T. 0.001 min

Lab File: BG061573.D

Acq: 8 Jun 2024 20:19

Instrument :

BNA_G

ClientSampleId :

BHBT2

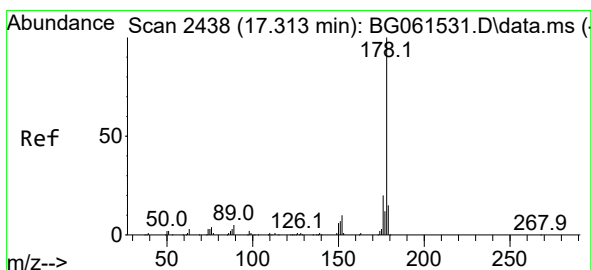
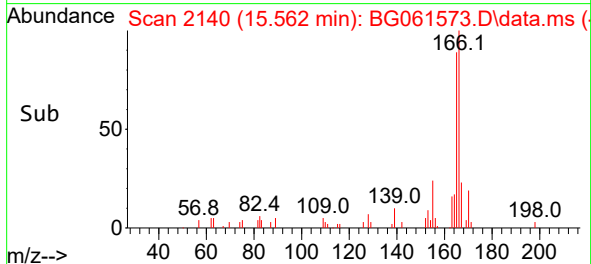
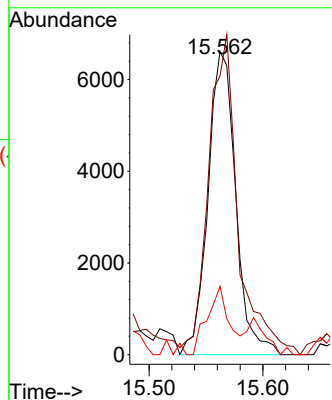
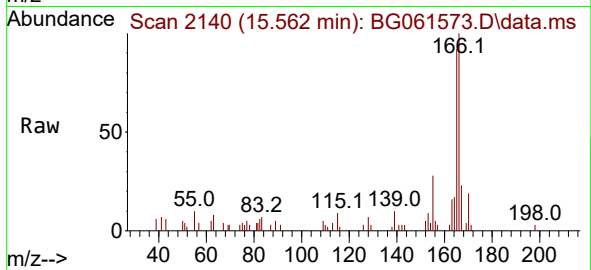
Tgt Ion:166 Resp: 11239

Ion Ratio Lower Upper

166 100

165 92.0 81.8 122.8

167 22.6 10.6 16.0#



#72

Phenanthrene

Concen: 29.723 ng/ul

RT: 17.307 min Scan# 2437

Delta R.T. 0.001 min

Lab File: BG061573.D

Acq: 8 Jun 2024 20:19

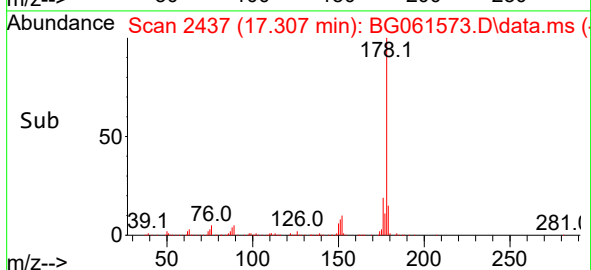
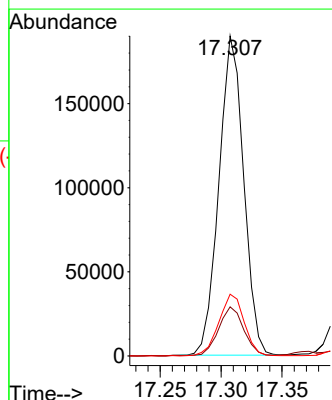
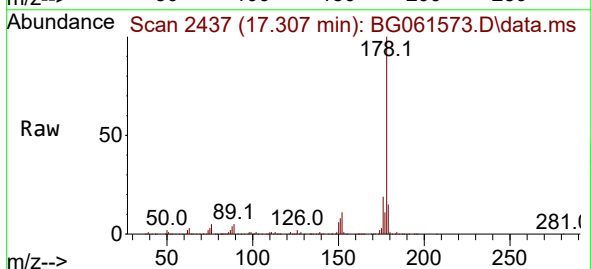
Tgt Ion:178 Resp: 268451

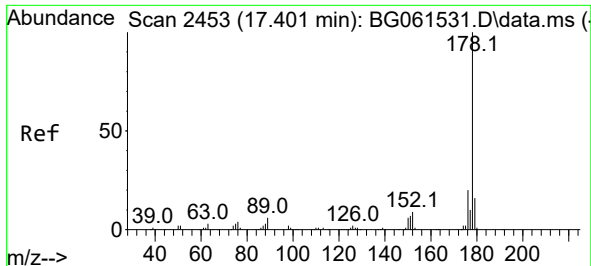
Ion Ratio Lower Upper

178 100

179 15.4 12.7 19.1

176 19.3 15.5 23.3

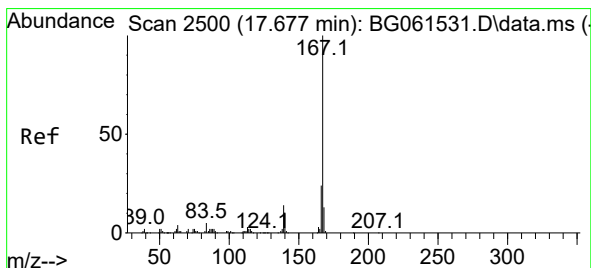
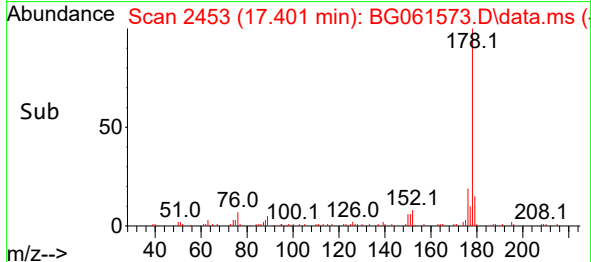
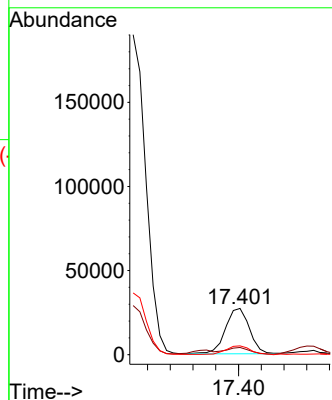
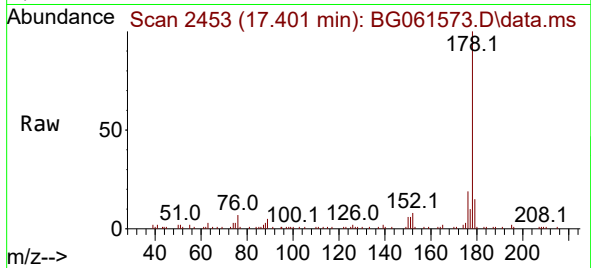




#74
 Anthracene
 Concen: 4.243 ng/ul
 RT: 17.401 min Scan# 2453
 Delta R.T. 0.007 min
 Lab File: BG061573.D
 Acq: 8 Jun 2024 20:19

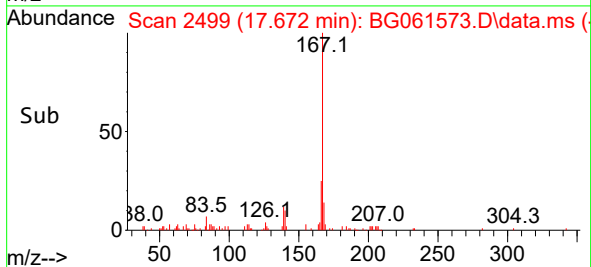
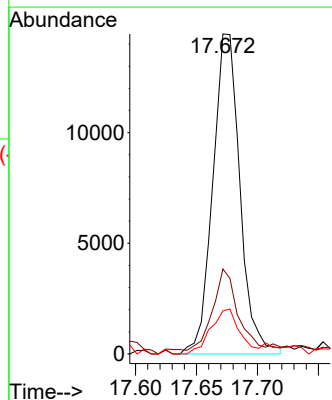
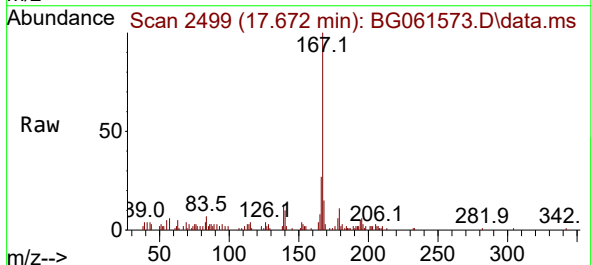
Instrument :
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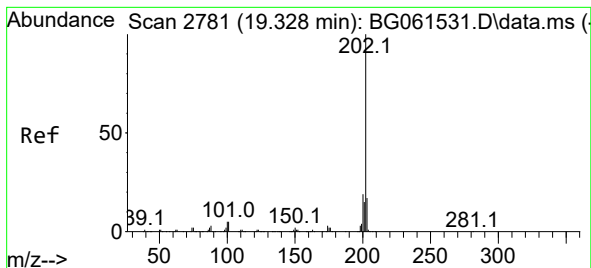
Tgt Ion:178 Resp: 39622
 Ion Ratio Lower Upper
 178 100
 179 15.4 11.8 17.6
 176 19.1 14.9 22.3



#77
 Carbazole
 Concen: 2.951 ng/ul
 RT: 17.672 min Scan# 2499
 Delta R.T. 0.001 min
 Lab File: BG061573.D
 Acq: 8 Jun 2024 20:19

Tgt Ion:167 Resp: 22414
 Ion Ratio Lower Upper
 167 100
 166 26.5 18.6 28.0
 139 13.4 10.6 15.8





#80

Fluoranthene

Concen: 45.377 ng/ul

RT: 19.328 min Scan# 21

Delta R.T. 0.007 min

Lab File: BG061573.D

Acq: 8 Jun 2024 20:19

Instrument :

BNA_G

ClientSampleId :

BHBT2

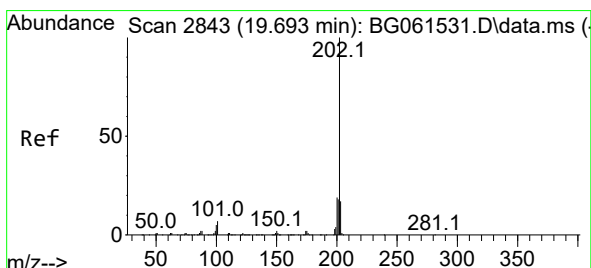
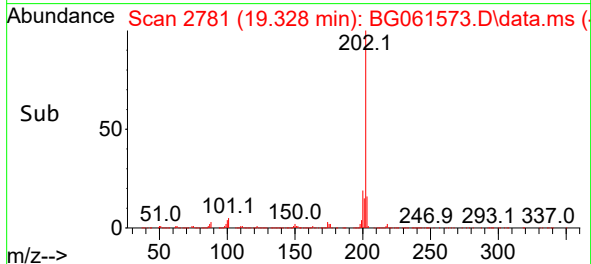
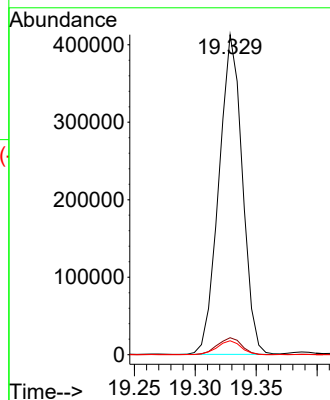
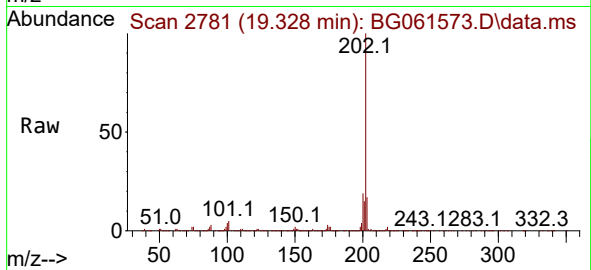
Tgt Ion:202 Resp: 553462

Ion Ratio Lower Upper

202 100

101 5.3 4.8 7.2

100 4.4 4.1 6.1



#82

Pyrene

Concen: 34.710 ng/ul

RT: 19.693 min Scan# 2843

Delta R.T. 0.007 min

Lab File: BG061573.D

Acq: 8 Jun 2024 20:19

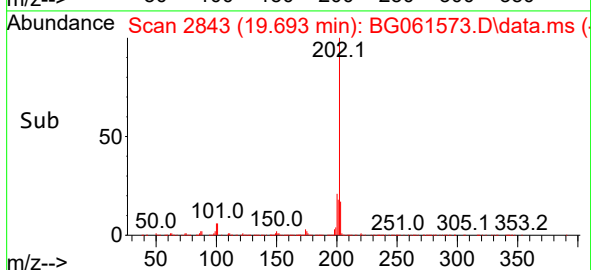
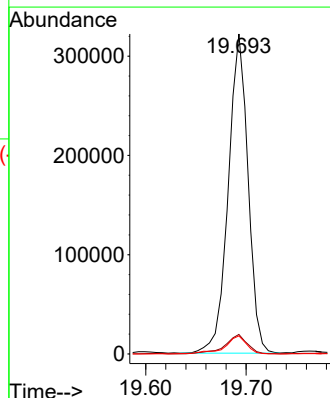
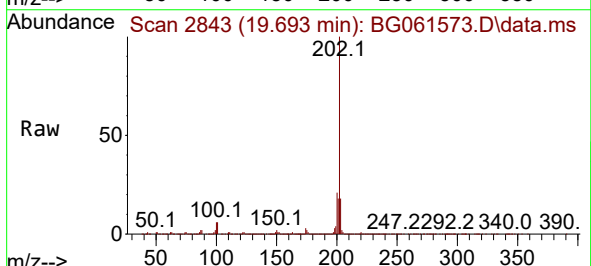
Tgt Ion:202 Resp: 439445

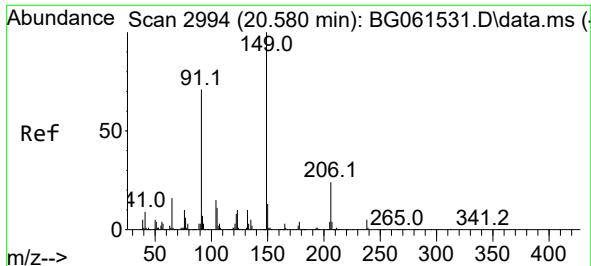
Ion Ratio Lower Upper

202 100

101 6.1 5.7 8.5

100 5.7 5.1 7.7

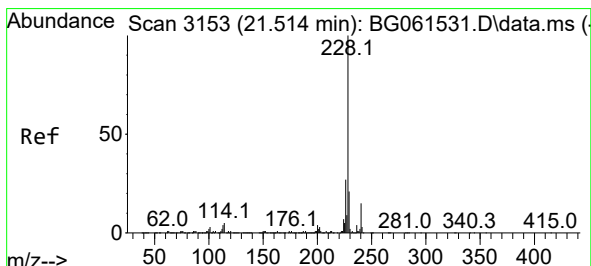
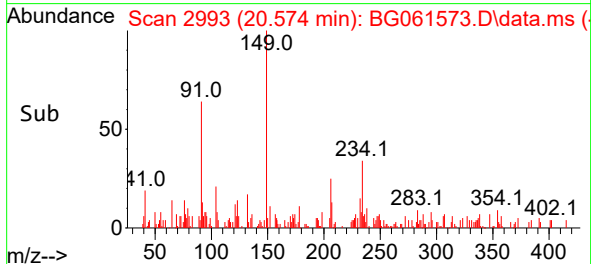
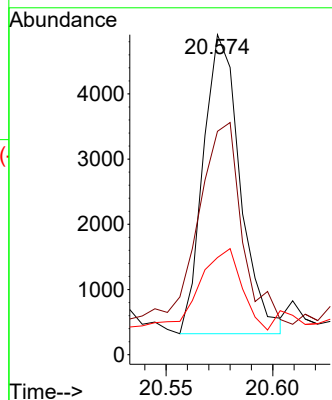
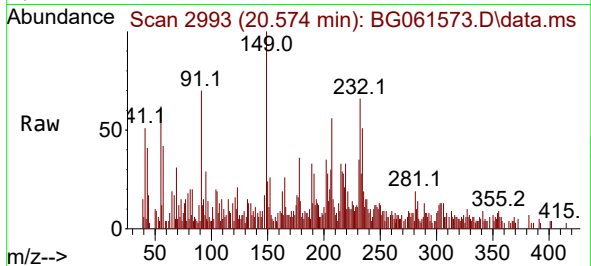




#83
Butylbenzylphthalate
Concen: 1.271 ng/ul
RT: 20.574 min Scan# 2993
Delta R.T. 0.001 min
Lab File: BG061573.D
Acq: 8 Jun 2024 20:19

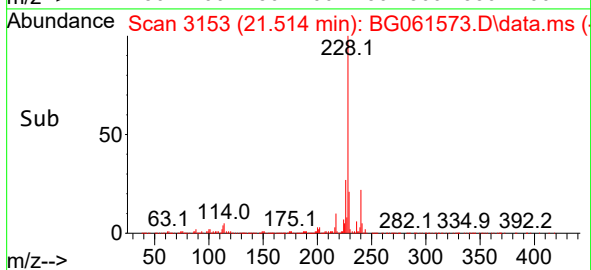
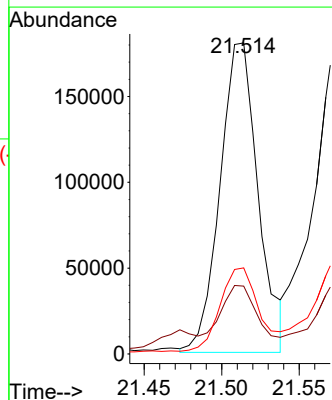
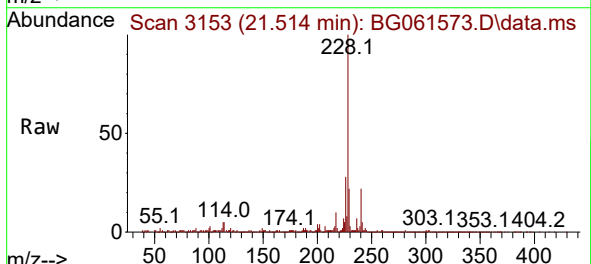
Instrument :
BNA_G
ClientSampleId :
BHBT2

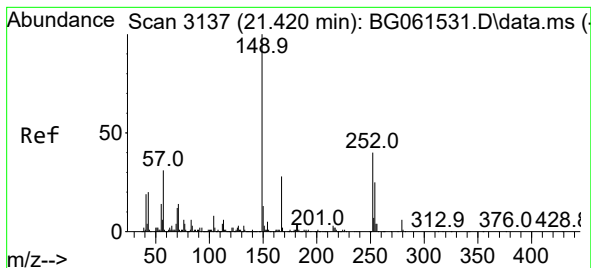
Tgt Ion:149 Resp: 5526
Ion Ratio Lower Upper
149 100
91 69.8 54.8 82.2
206 30.4 19.4 29.0#



#85
Benzo(a)anthracene
Concen: 22.573 ng/ul
RT: 21.514 min Scan# 3153
Delta R.T. 0.013 min
Lab File: BG061573.D
Acq: 8 Jun 2024 20:19

Tgt Ion:228 Resp: 308429
Ion Ratio Lower Upper
228 100
229 21.8 15.2 22.8
226 27.7 21.4 32.2

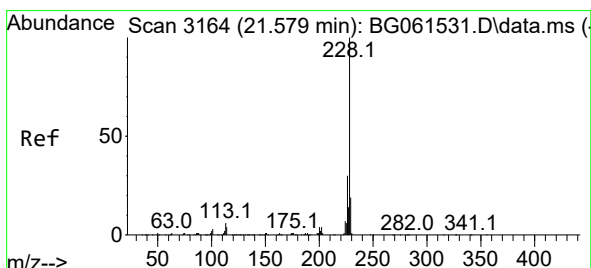
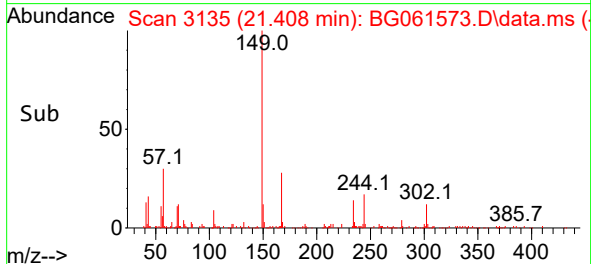
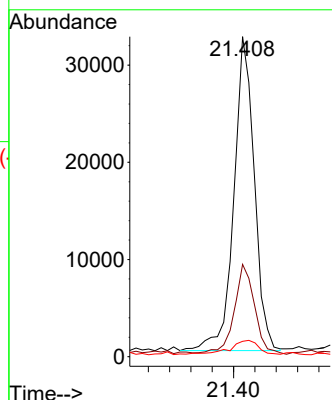
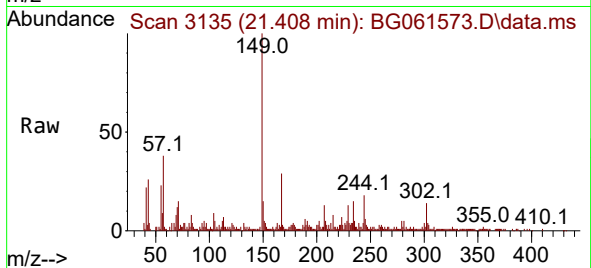




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 6.694 ng/ul
 RT: 21.408 min Scan# 3135
 Delta R.T. 0.001 min
 Lab File: BG061573.D
 Acq: 8 Jun 2024 20:19

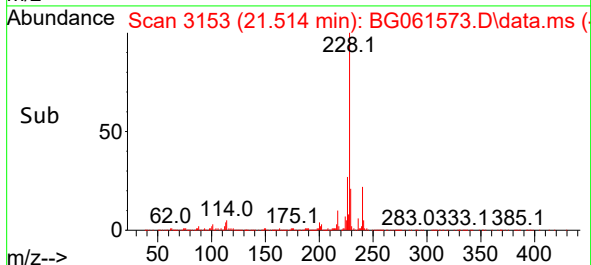
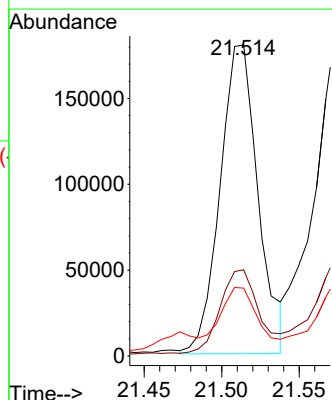
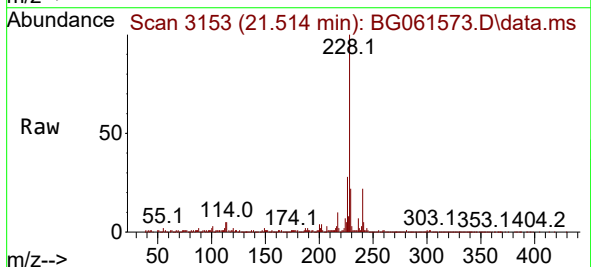
Instrument :
 BNA_G
 ClientSampleId :
 BHBT2

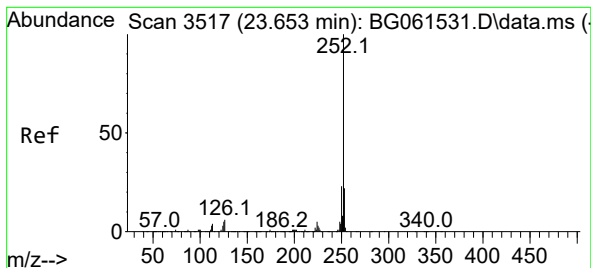
Tgt Ion:149 Resp: 43094
 Ion Ratio Lower Upper
 149 100
 167 28.9 21.1 31.7
 279 4.8 3.3 4.9



#87
 Chrysene
 Concen: 24.401 ng/ul
 RT: 21.514 min Scan# 3153
 Delta R.T. -0.052 min
 Lab File: BG061573.D
 Acq: 8 Jun 2024 20:19

Tgt Ion:228 Resp: 306994
 Ion Ratio Lower Upper
 228 100
 226 27.7 23.4 35.0
 229 21.8 15.4 23.2





#90

Benzo(b)fluoranthene

Concen: 30.809 ng/ul

RT: 23.659 min Scan# 3518

Delta R.T. 0.024 min

Lab File: BG061573.D

Acq: 8 Jun 2024 20:19

Instrument :

BNA_G

ClientSampleId :

BHBT2

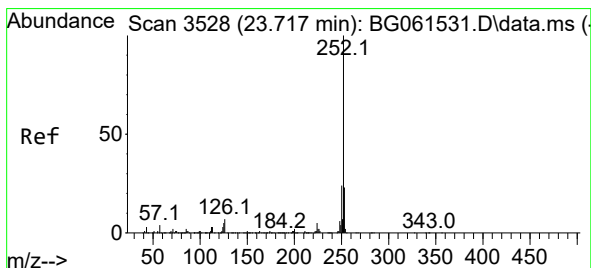
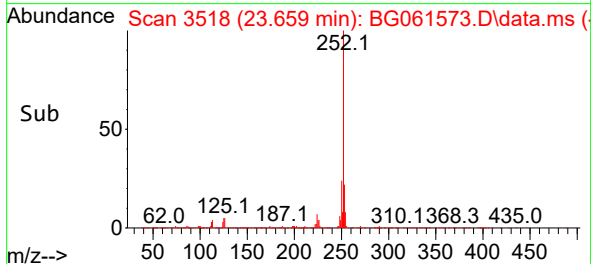
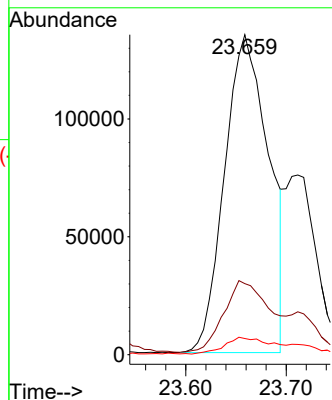
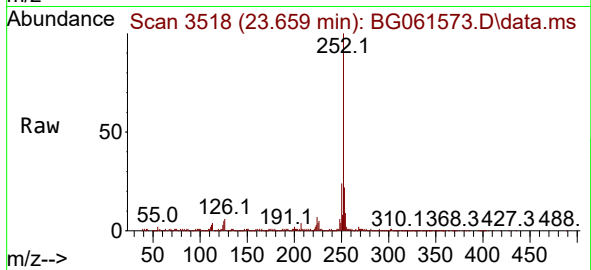
Tgt Ion:252 Resp: 411417

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 5.0 4.6 6.8



#91

Benzo(k)fluoranthene

Concen: 30.349 ng/ul

RT: 23.659 min Scan# 3518

Delta R.T. -0.040 min

Lab File: BG061573.D

Acq: 8 Jun 2024 20:19

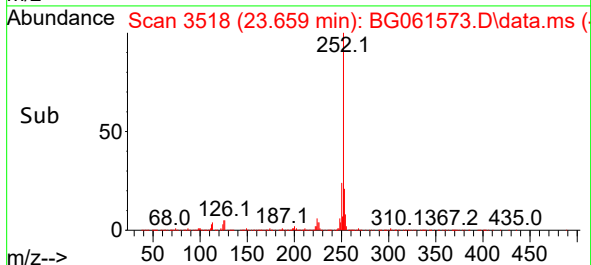
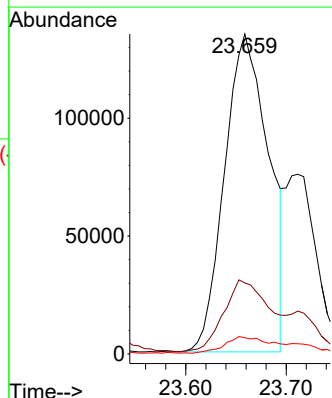
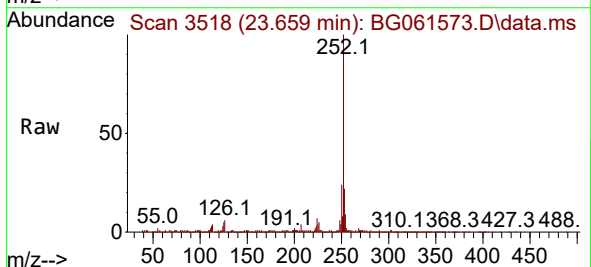
Tgt Ion:252 Resp: 411417

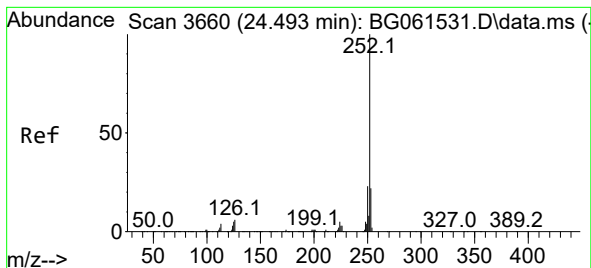
Ion Ratio Lower Upper

252 100

253 22.2 16.0 24.0

125 5.0 4.3 6.5





#93

Benzo(a)pyrene

Concen: 13.625 ng/ul

RT: 24.487 min Scan# 3

Delta R.T. 0.019 min

Lab File: BG061573.D

Acq: 8 Jun 2024 20:19

Instrument :

BNA_G

ClientSampleId :

BHBT2

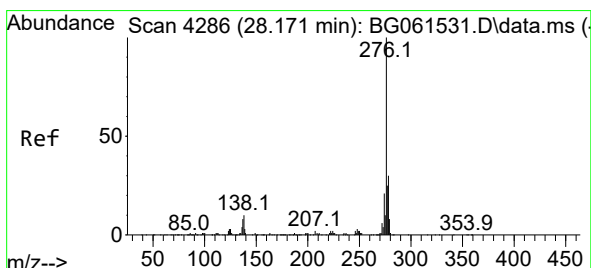
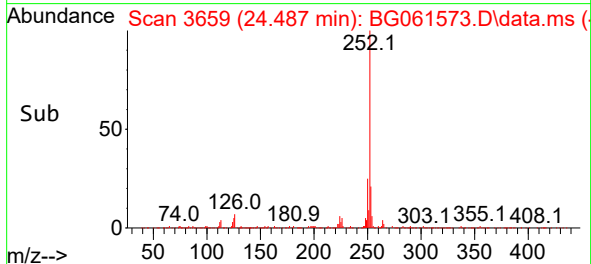
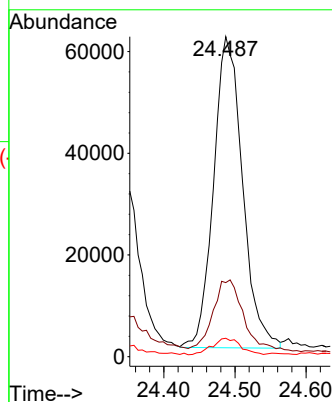
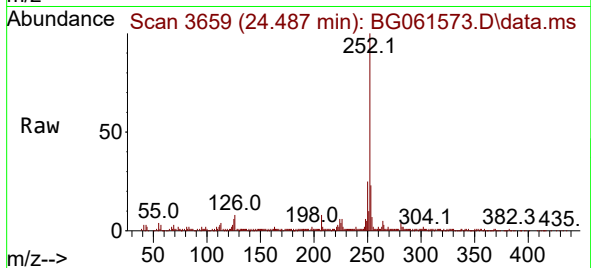
Tgt Ion:252 Resp: 172765

Ion Ratio Lower Upper

252 100

253 23.2 16.4 24.6

125 5.7 4.3 6.5



#94

Indeno(1,2,3-cd)pyrene

Concen: 7.204 ng/ul

RT: 28.171 min Scan# 4286

Delta R.T. 0.036 min

Lab File: BG061573.D

Acq: 8 Jun 2024 20:19

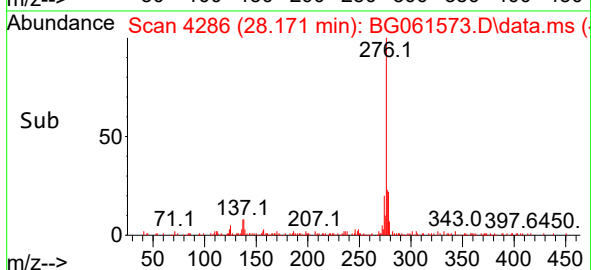
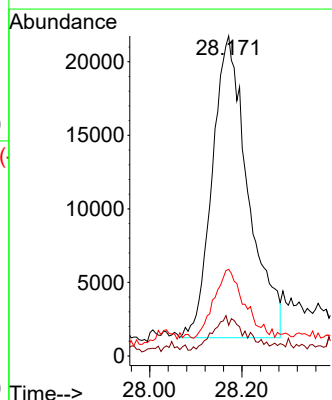
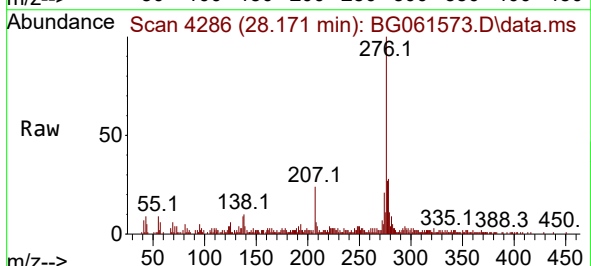
Tgt Ion:276 Resp: 110475

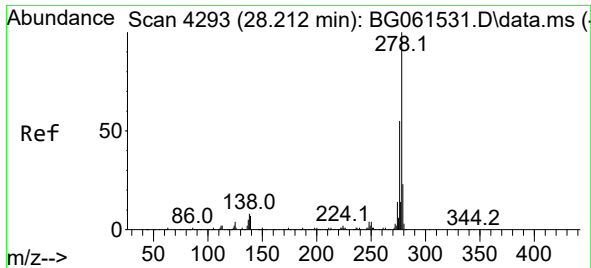
Ion Ratio Lower Upper

276 100

138 9.6 8.6 13.0

277 27.0 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 1.150 ng/ul

RT: 28.183 min Scan# 41

Delta R.T. 0.013 min

Lab File: BG061573.D

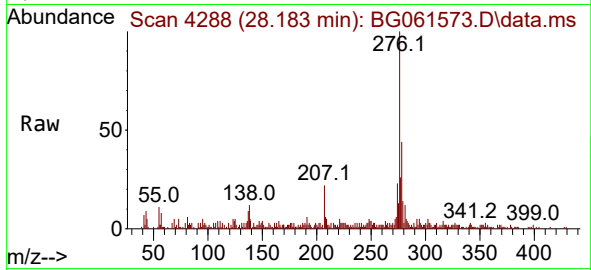
Acq: 8 Jun 2024 20:19

Instrument :

BNA_G

ClientSampleId :

BHBT2



Tgt Ion:278 Resp: 14545

Ion	Ratio	Lower	Upper
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278	100		
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139	20.7	6.4	9.6#
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279	31.2	19.9	29.9#
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