

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061495.D
 Acq On : 5 Jun 2024 20:40
 Operator : MA/JU
 Sample : P2623-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBR6

Quant Time: Jun 05 22:53:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.876	152	29385	20.000	ng/u1	0.00
20) Naphthalene-d8	10.666	136	116656	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.509	164	73414	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.265	188	166637	20.000	ng/u1	0.00
79) Chrysene-d12	21.524	240	181253	20.000	ng/u1	0.01
88) Perylene-d12	24.621	264	206285	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.340	96	2078	3.957	ng/uL	0.00
4) Pyridine-d5	3.745	84	17310	9.266	ng/u1	0.00
7) Phenol-d5	7.065	99	51849	21.486	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.206	67	32668	21.538	ng/u1	0.00
11) 2-Chlorophenol-d4	7.417	132	42975	24.064	ng/u1	0.00
15) 4-Methylphenol-d8	8.598	113	39059	18.982	ng/u1	0.00
21) Nitrobenzene-d5	9.033	128	22475	25.023	ng/u1	0.00
24) 2-Nitrophenol-d4	9.756	143	26312	25.031	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.308	165	49873	24.337	ng/u1	0.00
31) 4-Chloroaniline-d4	10.813	131	26796	9.995	ng/u1	0.01
46) Dimethylphthalate-d6	13.916	166	164945	28.969	ng/u1	0.00
49) Acenaphthylene-d8	14.203	160	155845	26.327	ng/u1	0.00
54) 4-Nitrophenol-d4	14.762	143	13371	18.994	ng/u1	0.02
60) Fluorene-d10	15.508	176	125646	25.560	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.655	200	15266	15.147	ng/u1	0.02
73) Anthracene-d10	17.364	188	203400	27.687	ng/u1	0.00
81) Pyrene-d10	19.656	212	230304	24.747	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.403	264	203199	20.489	ng/u1	0.02
Target Compounds						
					Qvalue	
16) Acetophenone	8.698	105	5682	1.618	ng/u1	85
30) Naphthalene	10.719	128	36120	5.866	ng/u1	96
32) 4-Chloroaniline	10.713	127	5130	1.925	ng/u1#	42
36) 2-Methylnaphthalene	12.329	142	13336	2.987	ng/u1	100
37) 1-Methylnaphthalene	12.547	142	10409	2.271	ng/u1#	92
43) 1,1'-Biphenyl	13.340	154	5867	1.236	ng/u1#	89
52) Acenaphthene	14.574	153	40439	9.391	ng/u1	98
55) 4-Nitrophenol	14.726	109	1202	1.452	ng/u1#	17
56) Dibenzofuran	14.909	168	58196	9.452	ng/u1	99
61) Fluorene	15.561	166	53501	10.043	ng/u1	98
66) 4,6-Dinitro-2-methylph...	15.561	198	1909	1.807	ng/u1#	84
72) Phenanthrene	17.312	178	1047217	129.480	ng/u1	98
74) Anthracene	17.400	178	232211	27.768	ng/u1	99
77) Carbazole	17.670	167	100130	14.721	ng/u1	98
78) Di-n-butylphthalate	18.222	149	9804	1.150	ng/u1	97
80) Fluoranthene	19.333	202	1553955	139.188	ng/u1	99
82) Pyrene	19.691	202	1046085	90.268	ng/u1	99
85) Benzo(a)anthracene	21.507	228	802871	64.196	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.407	149	49662	8.428	ng/u1#	93
87) Chrysene	21.571	228	693472	60.219	ng/u1	98
90) Benzo(b)fluoranthene	23.645	252	867742	70.651	ng/u1	99
91) Benzo(k)fluoranthene	23.645	252	867742	69.595	ng/u1	95
93) Benzo(a)pyrene	24.480	252	355031	30.442	ng/u1	94
94) Indeno(1,2,3-cd)pyrene	28.134	276	244963	17.369	ng/u1	99

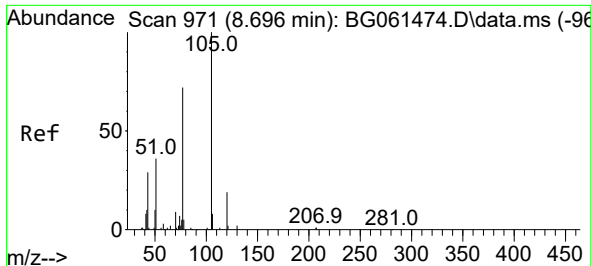
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
Data File : BG061495.D
Acq On : 5 Jun 2024 20:40
Operator : MA/JU
Sample : P2623-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBR6

Quant Time: Jun 05 22:53:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 30 22:54:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Dibenzo(a,h)anthracene	28.158	278	45105	3.879	ng/ul	94
96) Benzo(g,h,i)perylene	29.215	276	14163	1.262	ng/ul#	92

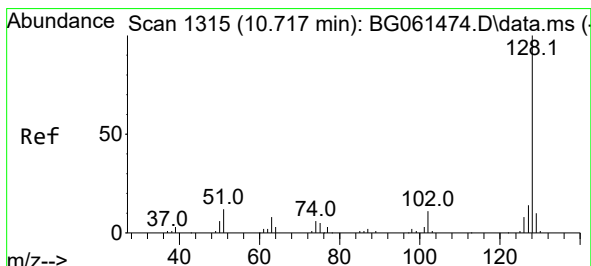
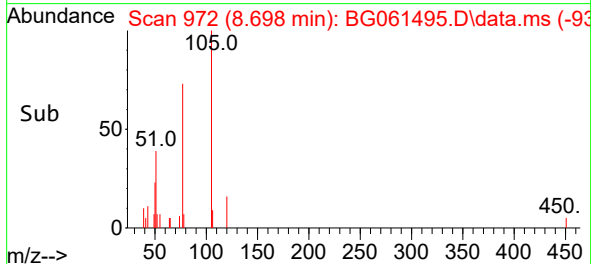
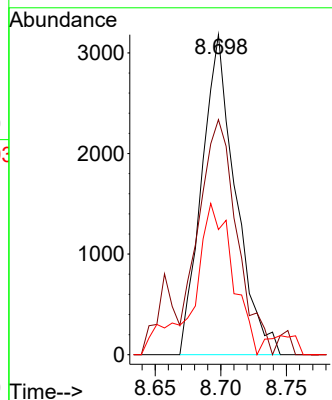
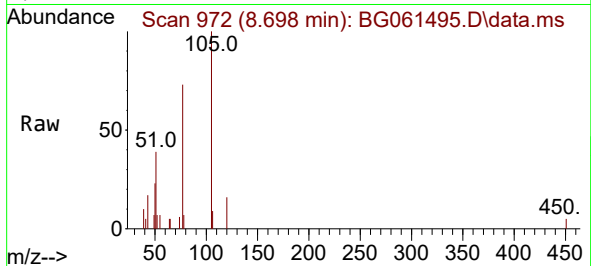
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#16
Acetophenone
Concen: 1.618 ng/ul
RT: 8.698 min Scan# 91
Delta R.T. 0.006 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40

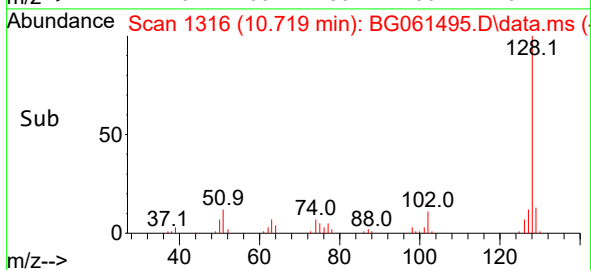
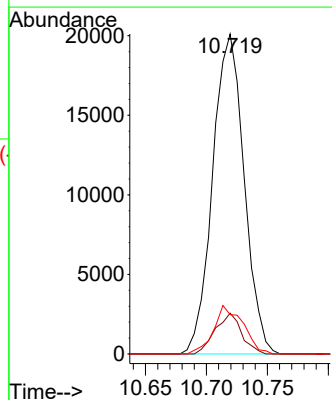
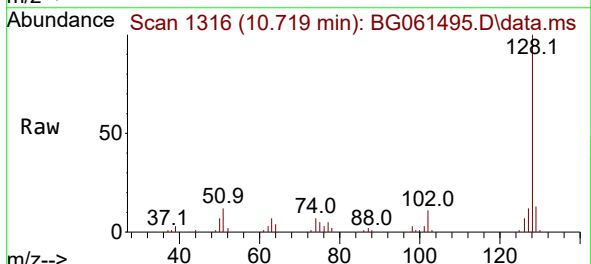
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BNA_G
ClientSampleId :
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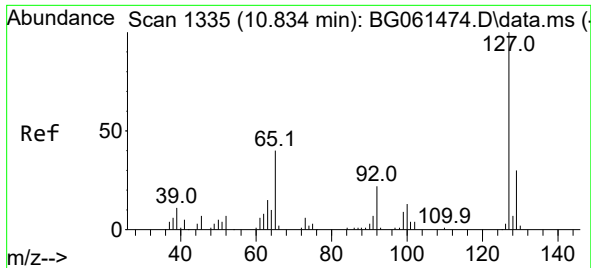
Tgt Ion:105 Resp: 5682
Ion Ratio Lower Upper
105 100
77 73.5 70.4 105.6
51 39.1 38.4 57.6



#30
Naphthalene
Concen: 5.866 ng/ul
RT: 10.719 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40

Tgt Ion:128 Resp: 36120
Ion Ratio Lower Upper
128 100
129 12.7 8.6 12.8
127 12.3 10.8 16.2

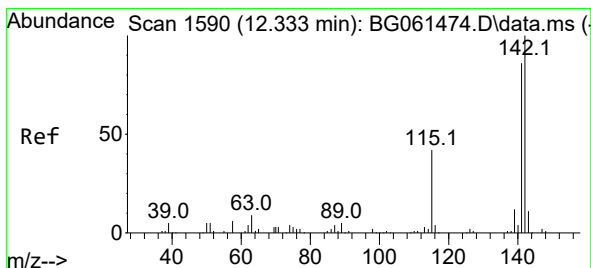
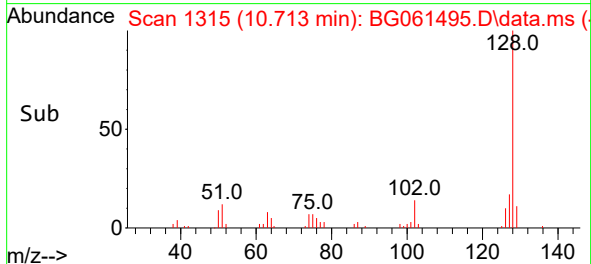
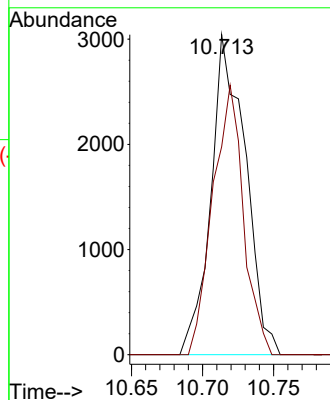
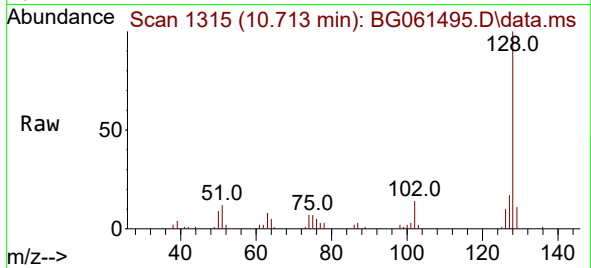




#32
4-Chloroaniline
Concen: 1.925 ng/ul
RT: 10.713 min Scan# 11
Delta R.T. -0.111 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40

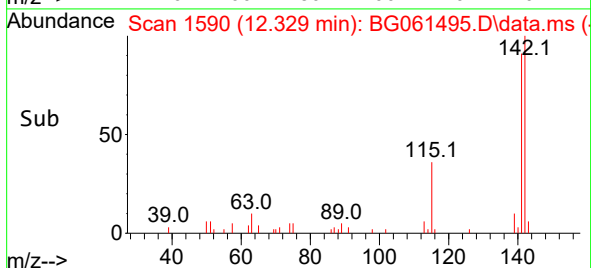
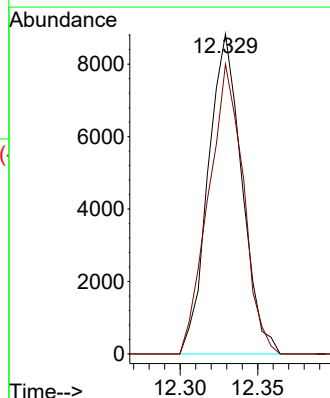
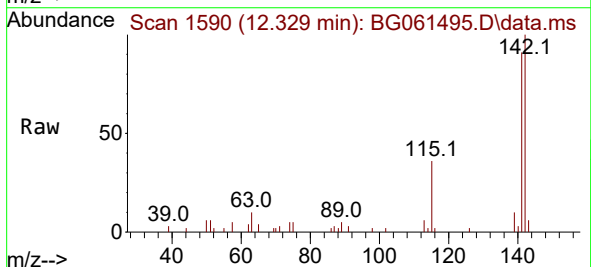
Instrument :
BNA_G
ClientSampleId :
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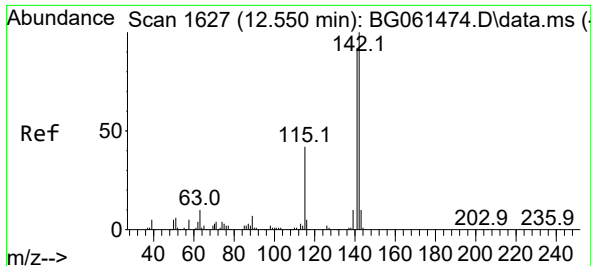
Tgt Ion:127 Resp: 5130
Ion Ratio Lower Upper
127 100
129 65.0 25.9 38.9#



#36
2-Methylnaphthalene
Concen: 2.987 ng/ul
RT: 12.329 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40

Tgt Ion:142 Resp: 13336
Ion Ratio Lower Upper
142 100
141 90.6 72.2 108.2





#37

1-Methylnaphthalene

Concen: 2.271 ng/ul

RT: 12.547 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG061495.D

Acq: 5 Jun 2024 20:40

Instrument :

BNA_G

ClientSampleId :

BHBR6

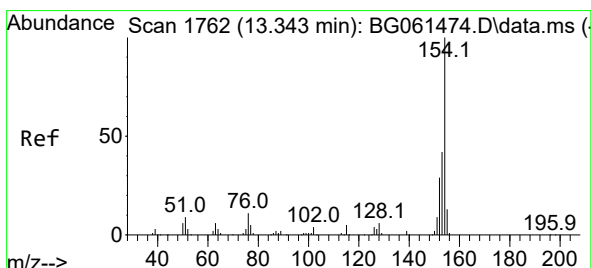
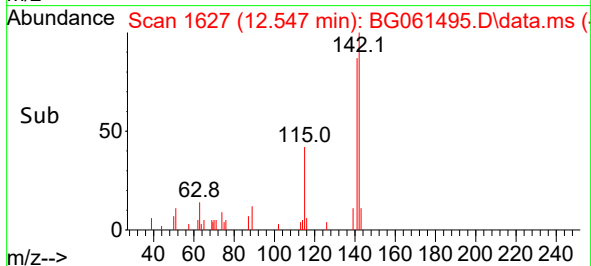
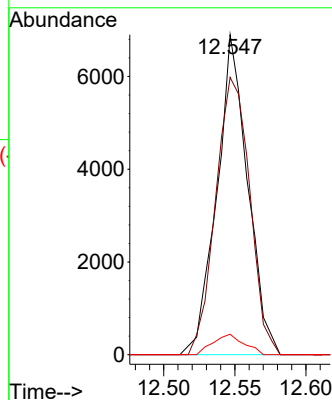
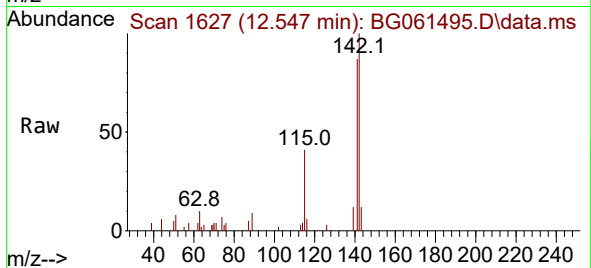
Tgt Ion:142 Resp: 10409

Ion Ratio Lower Upper

142 100

141 86.6 75.5 113.3

116 6.4 4.0 6.0#



#43

1,1'-Biphenyl

Concen: 1.236 ng/ul

RT: 13.340 min Scan# 1762

Delta R.T. 0.000 min

Lab File: BG061495.D

Acq: 5 Jun 2024 20:40

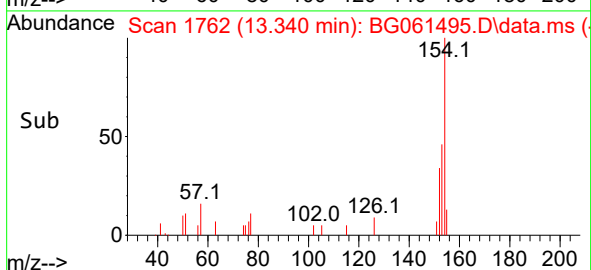
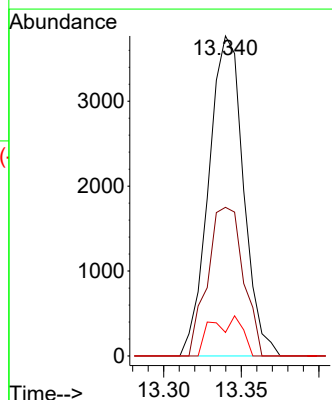
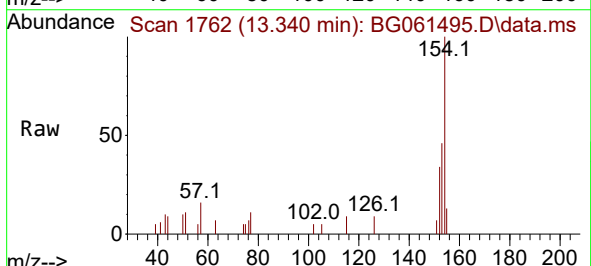
Tgt Ion:154 Resp: 5867

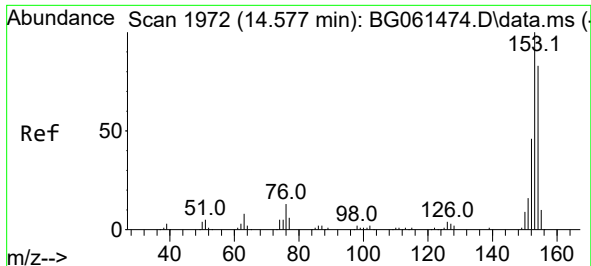
Ion Ratio Lower Upper

154 100

153 46.4 31.2 46.8

76 7.3 8.5 12.7#

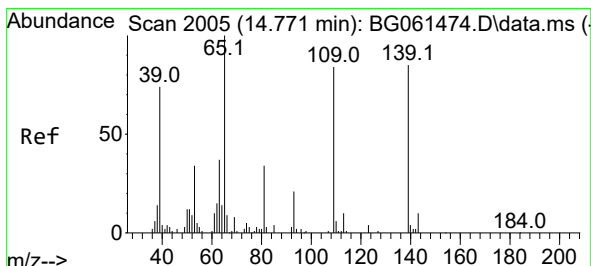
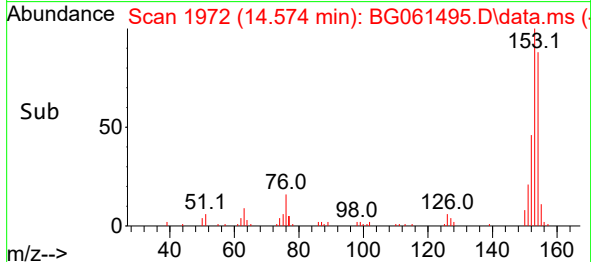
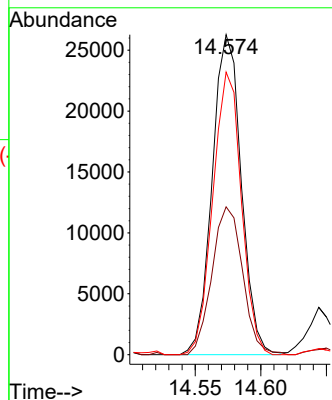
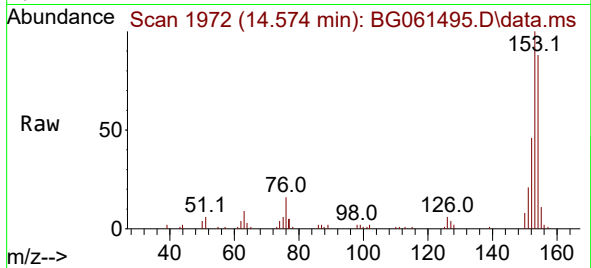




#52
Acenaphthene
Concen: 9.391 ng/ul
RT: 14.574 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40

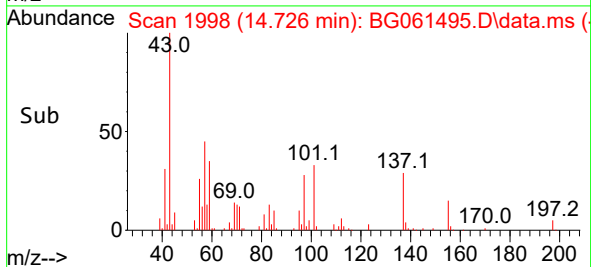
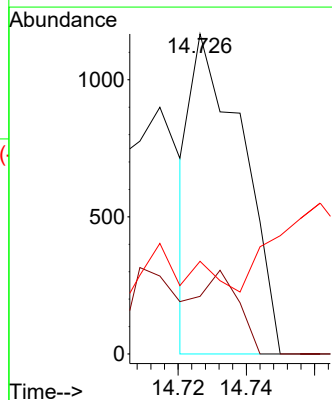
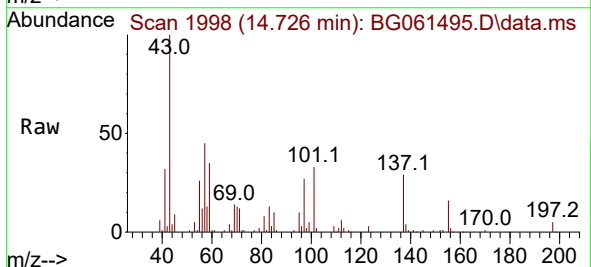
Instrument :
BNA_G
ClientSampleId :
BHBR6

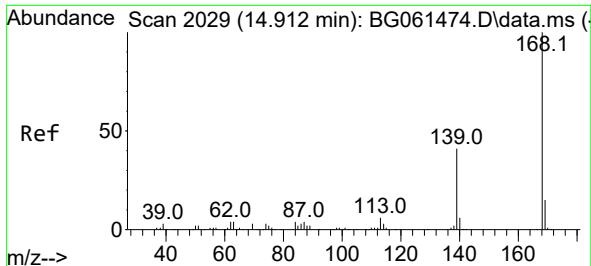
Tgt Ion:153 Resp: 40439
Ion Ratio Lower Upper
153 100
152 46.2 37.8 56.8
154 88.3 69.0 103.6



#55
4-Nitrophenol
Concen: 1.452 ng/ul
RT: 14.726 min Scan# 1998
Delta R.T. -0.029 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40

Tgt Ion:109 Resp: 1202
Ion Ratio Lower Upper
109 100
139 18.0 74.9 112.3#
65 29.0 104.0 156.0#

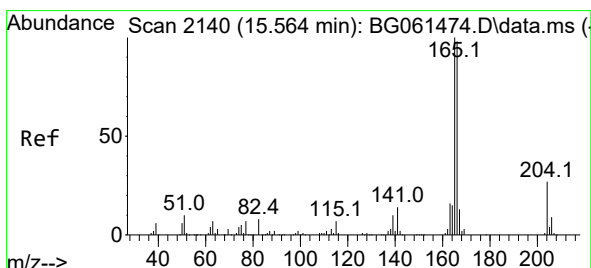
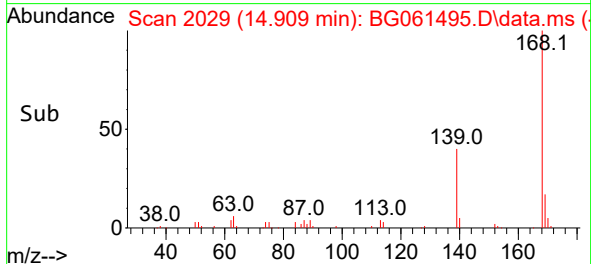
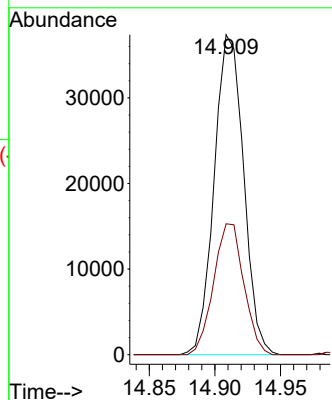
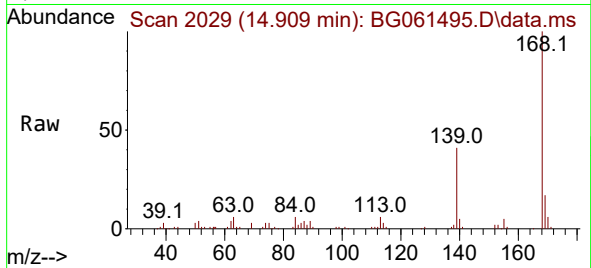




#56
Dibenzenofuran
Concen: 9.452 ng/ul
RT: 14.909 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40

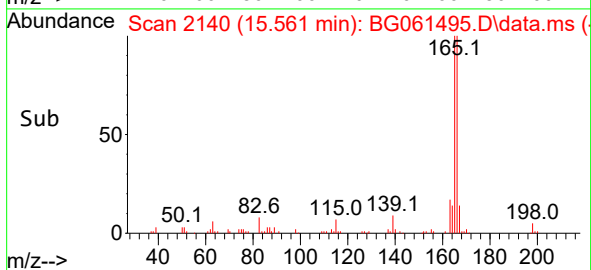
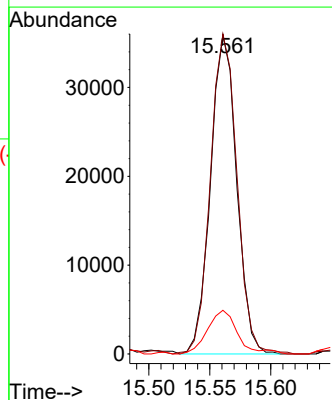
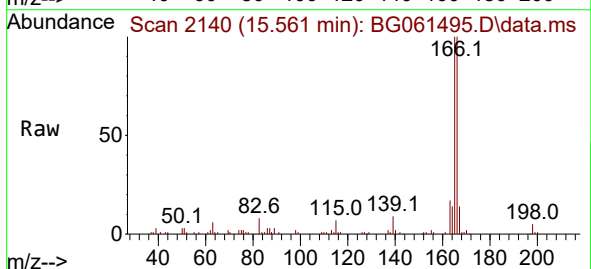
Instrument :
BNA_G
ClientSampleId :
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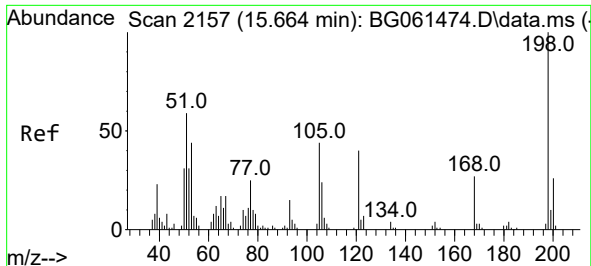
Tgt Ion:168 Resp: 58196
Ion Ratio Lower Upper
168 100
139 40.9 33.4 50.2



#61
Fluorene
Concen: 10.043 ng/ul
RT: 15.561 min Scan# 2140
Delta R.T. 0.000 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40

Tgt Ion:166 Resp: 53501
Ion Ratio Lower Upper
166 100
165 100.4 81.8 122.8
167 13.7 10.6 16.0

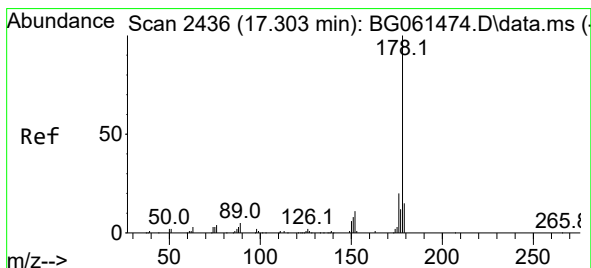
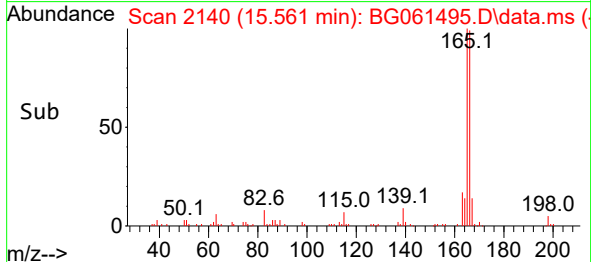
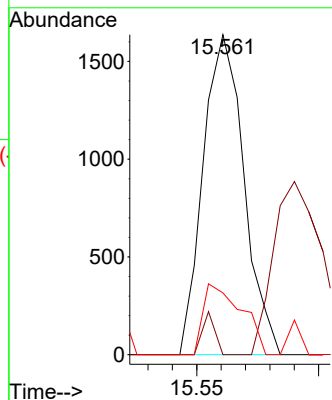
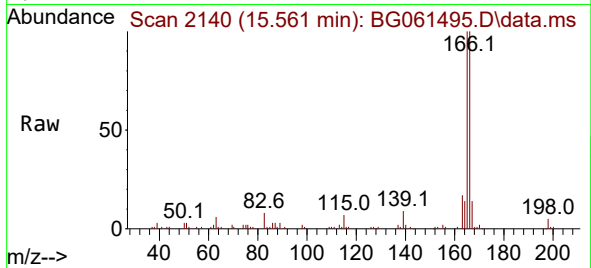




#66
 4,6-Dinitro-2-methylphenol
 Concen: 1.807 ng/ul
 RT: 15.561 min Scan# 2157
 Delta R.T. -0.094 min
 Lab File: BG061495.D
 Acq: 5 Jun 2024 20:40

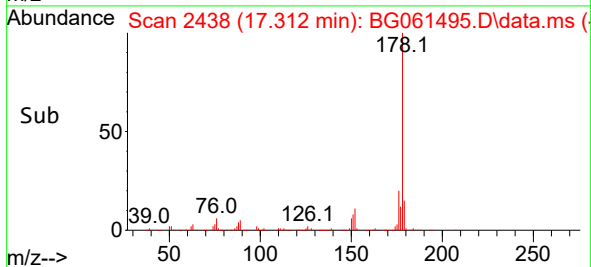
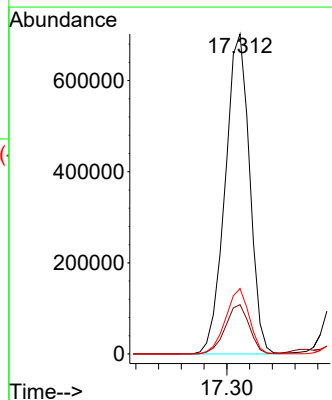
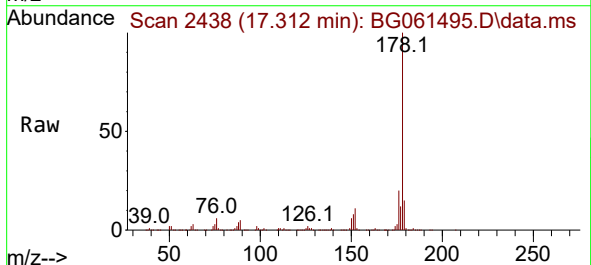
Instrument :
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 ClientSampleId :
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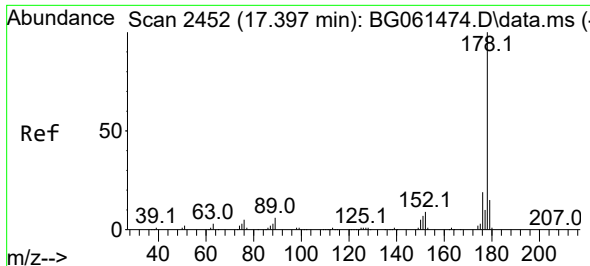
Tgt Ion:198 Resp: 1909
 Ion Ratio Lower Upper
 198 100
 182 0.0 2.9 4.3#
 77 19.3 22.3 33.5#



#72
 Phenanthrene
 Concen: 129.480 ng/ul
 RT: 17.312 min Scan# 2438
 Delta R.T. 0.012 min
 Lab File: BG061495.D
 Acq: 5 Jun 2024 20:40

Tgt Ion:178 Resp: 1047217
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.7 19.1
 176 20.5 15.5 23.3

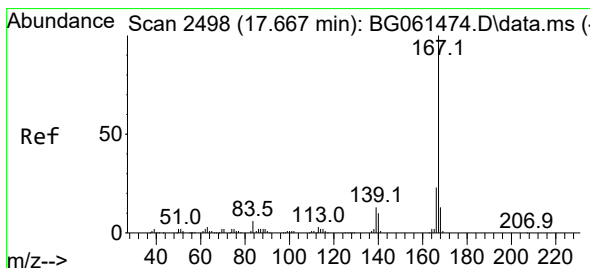
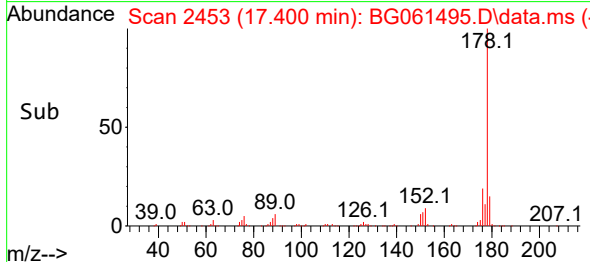
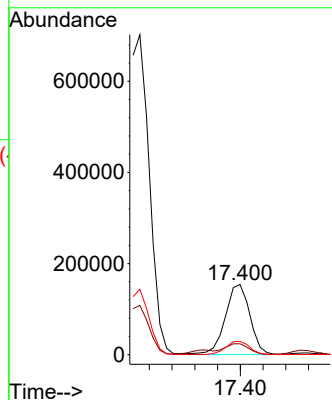
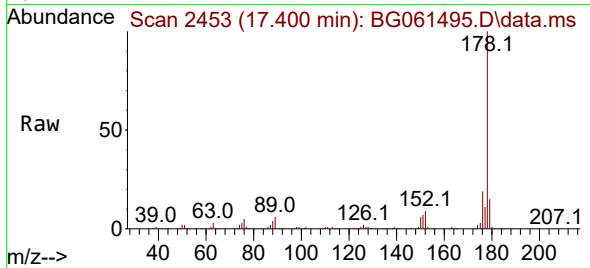




#74
Anthracene
Concen: 27.768 ng/ul
RT: 17.400 min Scan# 2452
Delta R.T. 0.006 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40

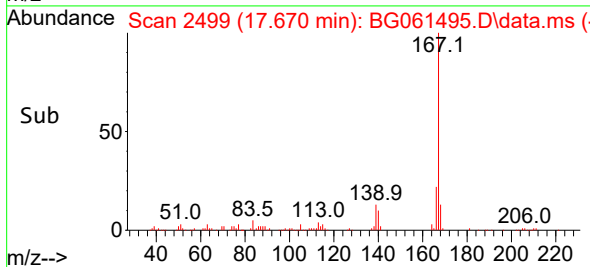
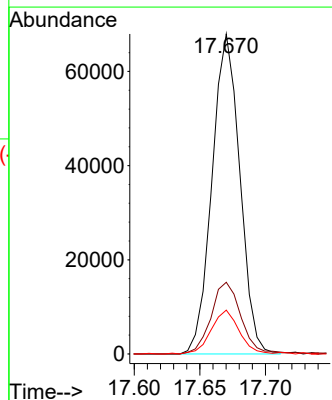
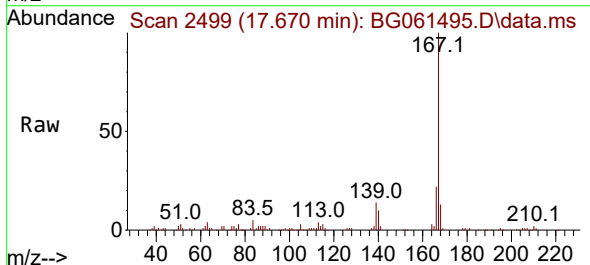
Instrument :
BNA_G
ClientSampleId :
BHBR6

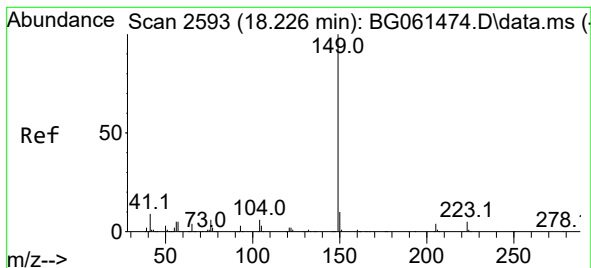
Tgt Ion:178 Resp: 232211
Ion Ratio Lower Upper
178 100
179 15.4 11.8 17.6
176 18.9 14.9 22.3



#77
Carbazole
Concen: 14.721 ng/ul
RT: 17.670 min Scan# 2499
Delta R.T. 0.006 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40

Tgt Ion:167 Resp: 100130
Ion Ratio Lower Upper
167 100
166 22.4 18.6 28.0
139 13.7 10.6 15.8





#78

Di-n-butylphthalate

Concen: 1.150 ng/ul

RT: 18.222 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG061495.D

Acq: 5 Jun 2024 20:40

Instrument :

BNA_G

ClientSampleId :

BHBR6

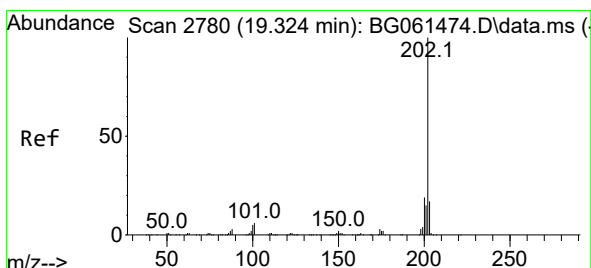
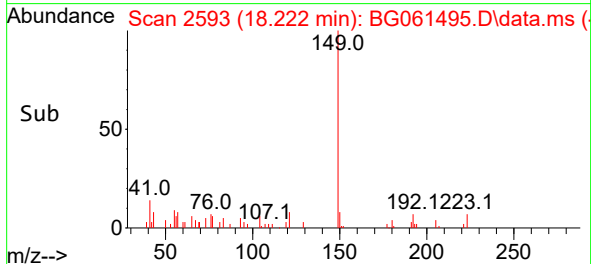
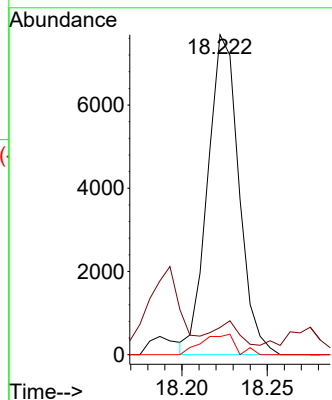
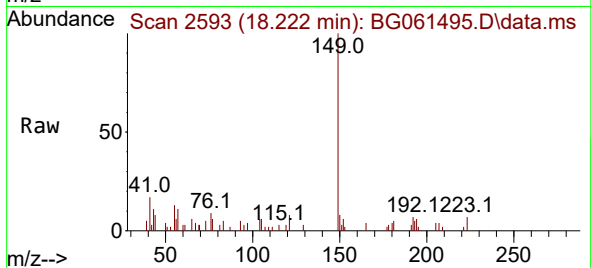
Tgt Ion:149 Resp: 9804

Ion Ratio Lower Upper

149 100

150 8.5 7.8 11.8

104 5.7 4.8 7.2



#80

Fluoranthene

Concen: 139.188 ng/ul

RT: 19.333 min Scan# 2782

Delta R.T. 0.018 min

Lab File: BG061495.D

Acq: 5 Jun 2024 20:40

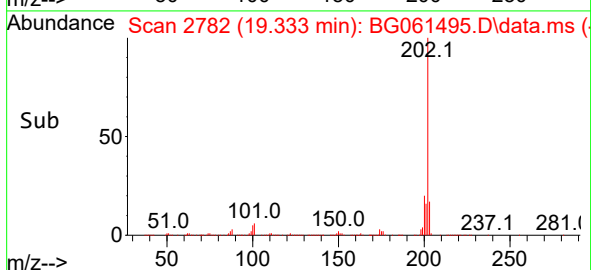
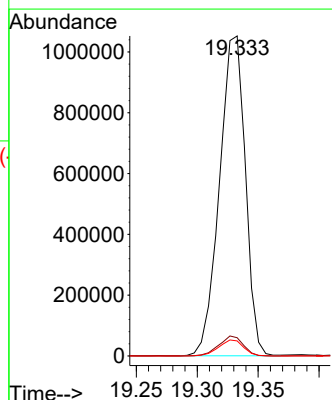
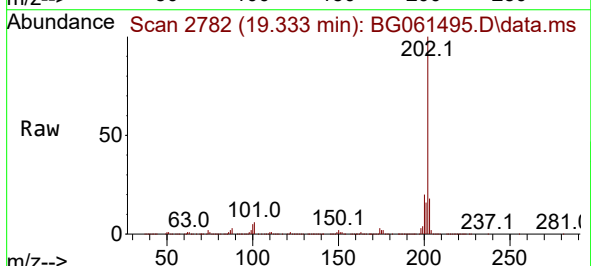
Tgt Ion:202 Resp: 1553955

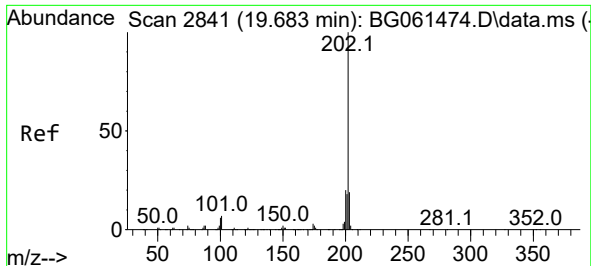
Ion Ratio Lower Upper

202 100

101 5.7 4.8 7.2

100 4.7 4.1 6.1

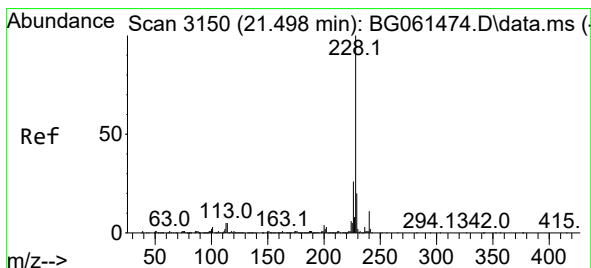
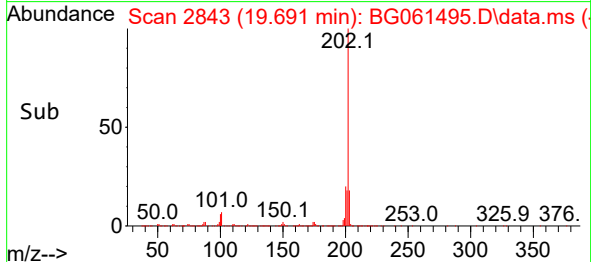
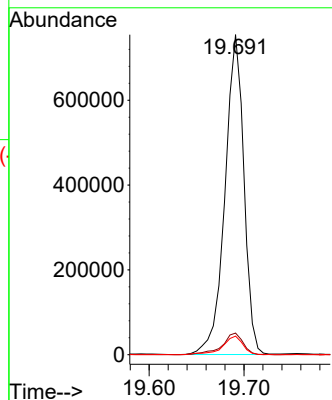
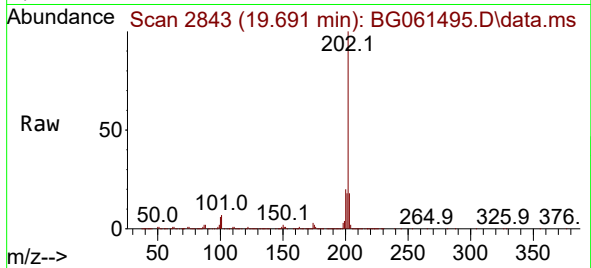




#82
 Pyrene
 Concen: 90.268 ng/ul
 RT: 19.691 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BG061495.D
 Acq: 5 Jun 2024 20:40

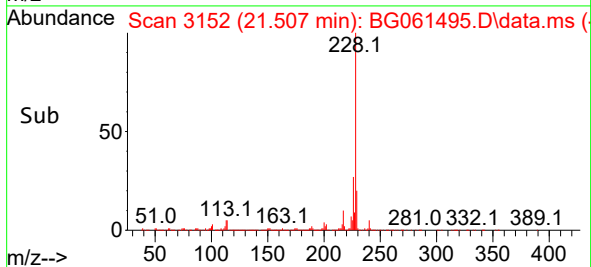
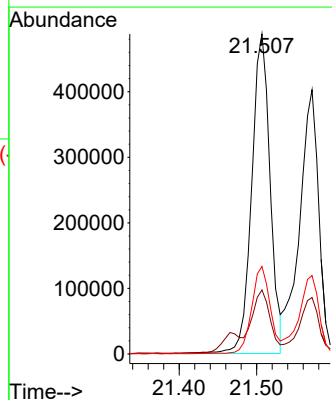
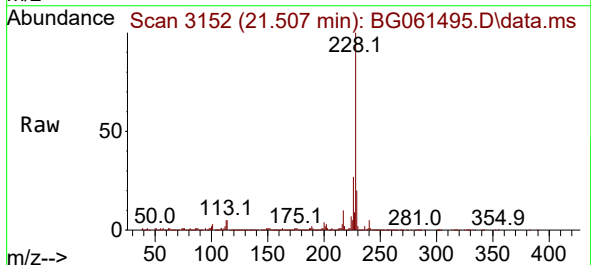
Instrument :
 BNA_G
 ClientSampleId :
 BHBR6

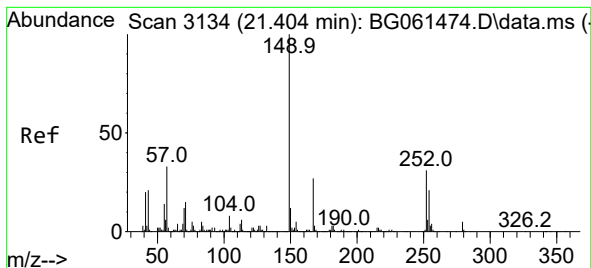
Tgt Ion:202 Resp: 1046085
 Ion Ratio Lower Upper
 202 100
 101 6.8 5.7 8.5
 100 5.8 5.1 7.7



#85
 Benzo(a)anthracene
 Concen: 64.196 ng/ul
 RT: 21.507 min Scan# 3152
 Delta R.T. 0.012 min
 Lab File: BG061495.D
 Acq: 5 Jun 2024 20:40

Tgt Ion:228 Resp: 802871
 Ion Ratio Lower Upper
 228 100
 229 20.0 15.2 22.8
 226 27.3 21.4 32.2

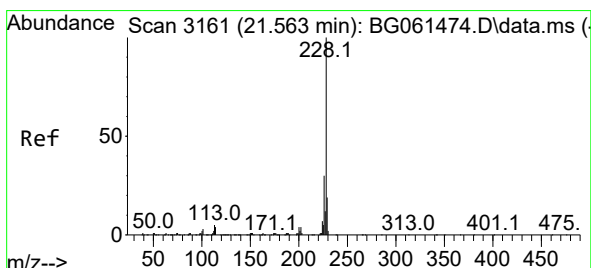
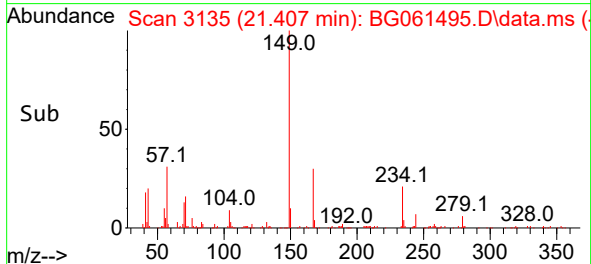
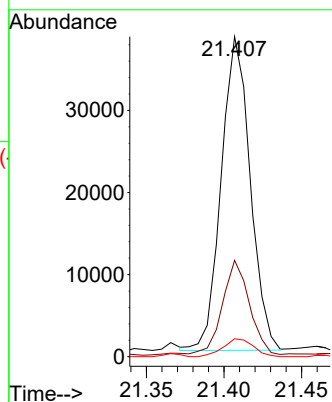
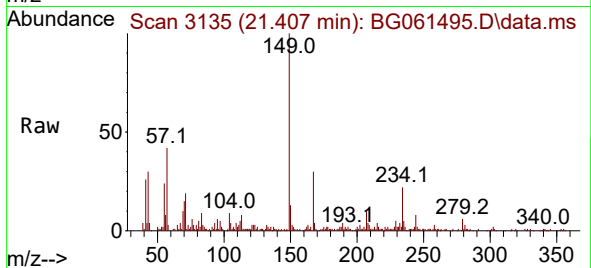




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 8.428 ng/ul
 RT: 21.407 min Scan# 3134
 Delta R.T. 0.000 min
 Lab File: BG061495.D
 Acq: 5 Jun 2024 20:40

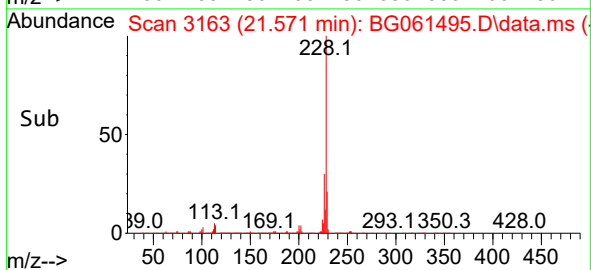
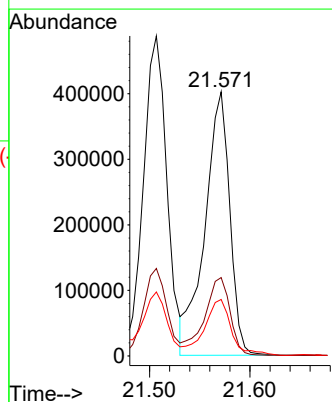
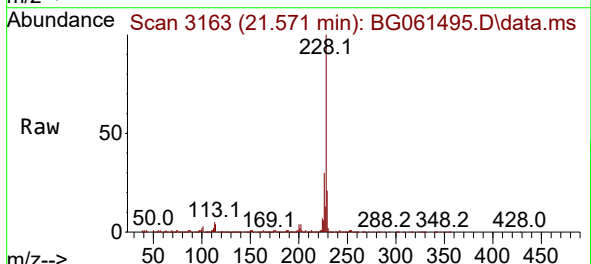
Instrument :
 BNA_G
 ClientSampleId :
 BHBR6

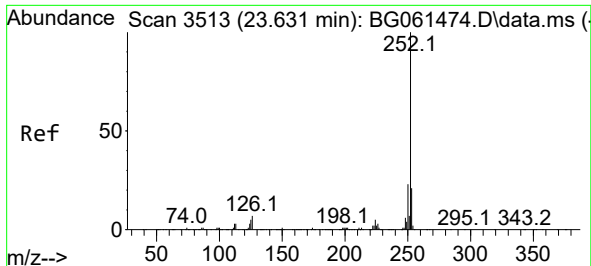
Tgt Ion:149 Resp: 49662
 Ion Ratio Lower Upper
 149 100
 167 30.1 21.1 31.7
 279 5.6 3.3 4.9#



#87
 Chrysene
 Concen: 60.219 ng/ul
 RT: 21.571 min Scan# 3163
 Delta R.T. 0.018 min
 Lab File: BG061495.D
 Acq: 5 Jun 2024 20:40

Tgt Ion:228 Resp: 693472
 Ion Ratio Lower Upper
 228 100
 226 29.7 23.4 35.0
 229 21.4 15.4 23.2

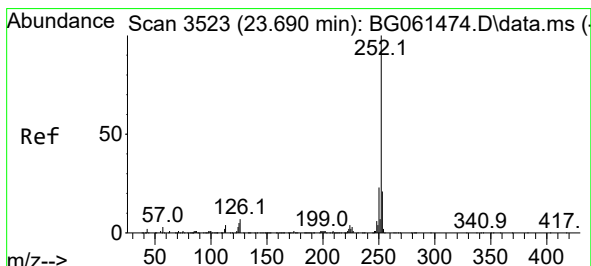
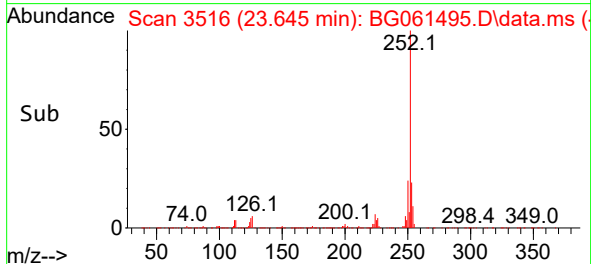
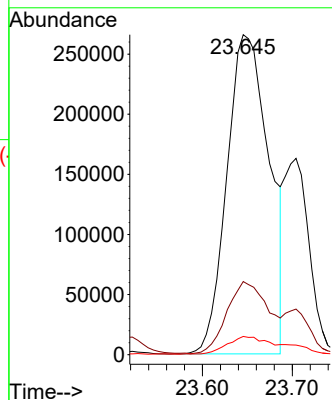
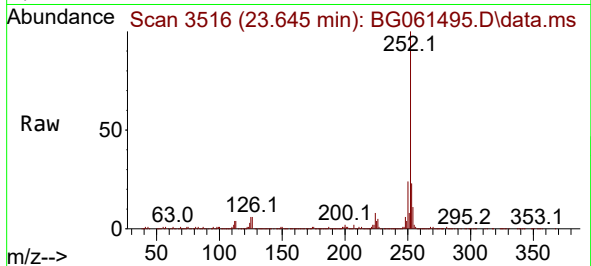




#90
Benzo(b)fluoranthene
Concen: 70.651 ng/ul
RT: 23.645 min Scan# 3516
Delta R.T. 0.030 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40

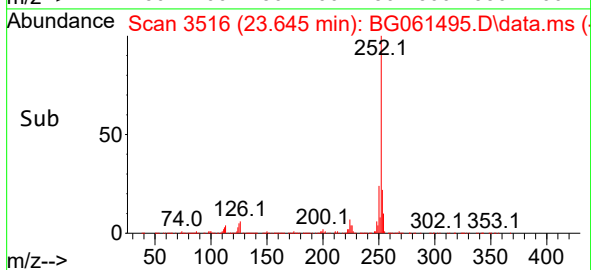
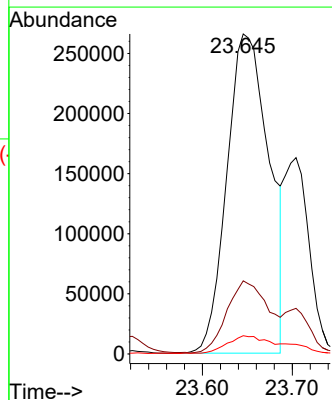
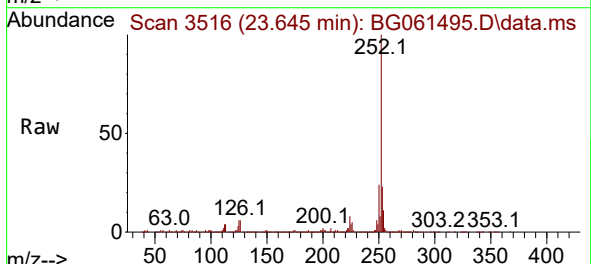
Instrument :
BNA_G
ClientSampleId :
BHBR6

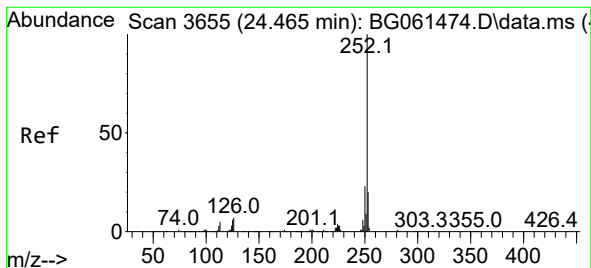
Tgt Ion:252 Resp: 867742
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 5.7 4.6 6.8



#91
Benzo(k)fluoranthene
Concen: 69.595 ng/ul
RT: 23.645 min Scan# 3516
Delta R.T. -0.035 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40

Tgt Ion:252 Resp: 867742
Ion Ratio Lower Upper
252 100
253 22.8 16.0 24.0
125 5.7 4.3 6.5





#93

Benzo(a)pyrene

Concen: 30.442 ng/ul

RT: 24.480 min Scan# 3

Delta R.T. 0.030 min

Lab File: BG061495.D

Acq: 5 Jun 2024 20:40

Instrument :

BNA_G

ClientSampleId :

BHBR6

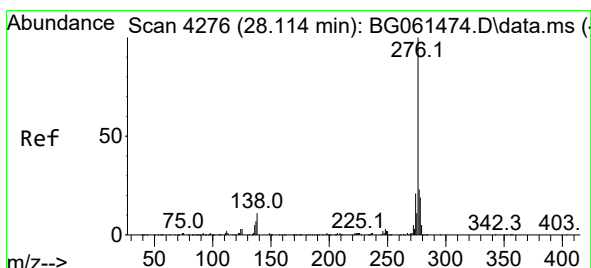
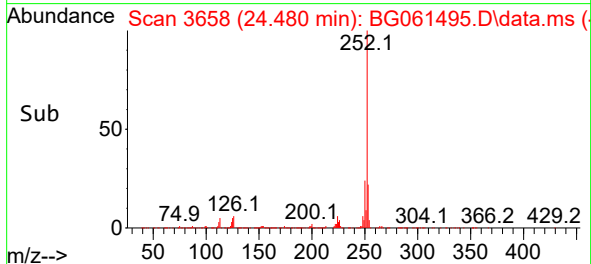
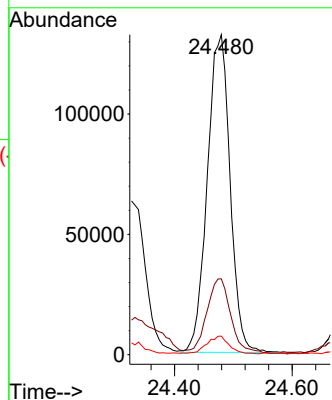
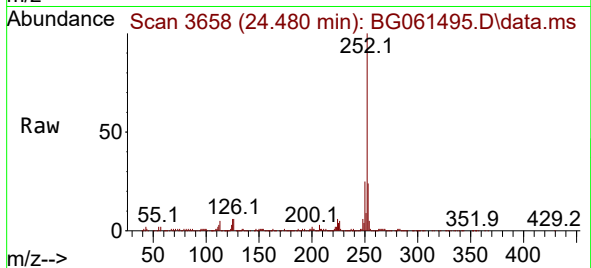
Tgt Ion:252 Resp: 355031

Ion Ratio Lower Upper

252 100

253 23.7 16.4 24.6

125 5.8 4.3 6.5



#94

Indeno(1,2,3-cd)pyrene

Concen: 17.369 ng/ul

RT: 28.134 min Scan# 4280

Delta R.T. 0.042 min

Lab File: BG061495.D

Acq: 5 Jun 2024 20:40

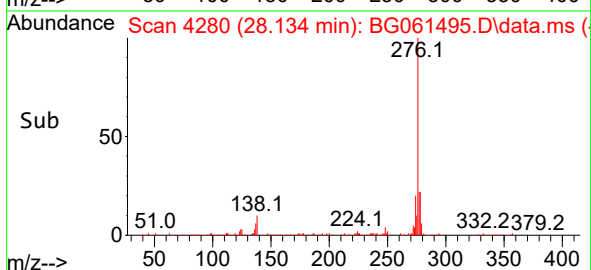
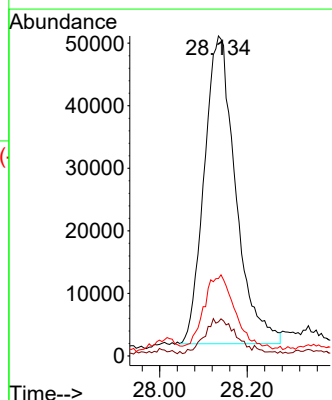
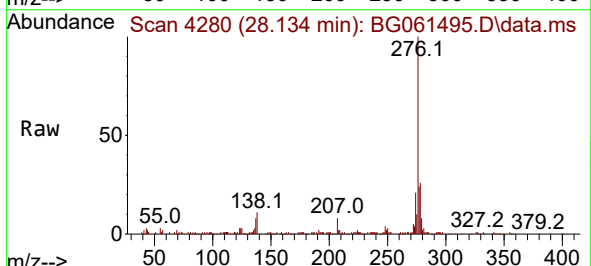
Tgt Ion:276 Resp: 244963

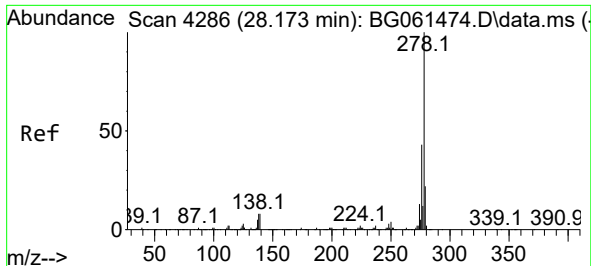
Ion Ratio Lower Upper

276 100

138 10.6 8.6 13.0

277 24.2 19.7 29.5

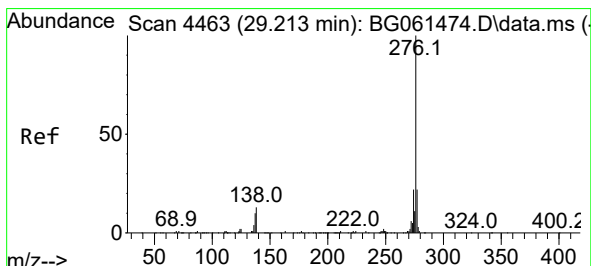
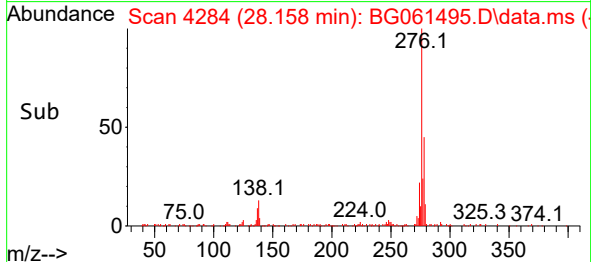
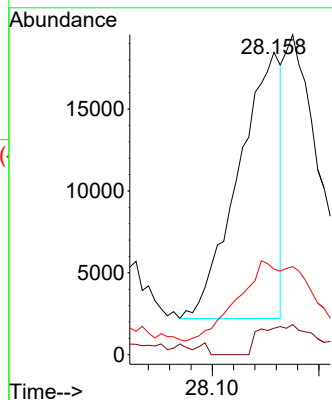
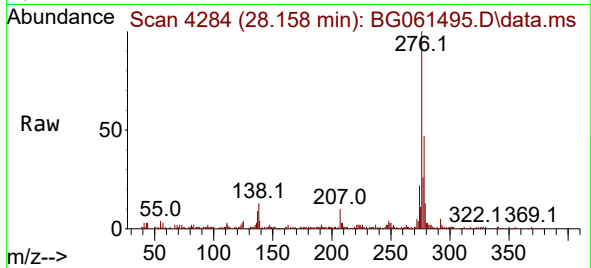




#95
 Dibenzo(a,h)anthracene
 Concen: 3.879 ng/ul
 RT: 28.158 min Scan# 41
 Delta R.T. 0.018 min
 Lab File: BG061495.D
 Acq: 5 Jun 2024 20:40

Instrument :
 BNA_G
 ClientSampleId :
 BHBR6

Tgt Ion:278 Resp: 45105
 Ion Ratio Lower Upper
 278 100
 139 8.7 6.4 9.6
 279 28.3 19.9 29.9



#96
 Benzo(g,h,i)perylene
 Concen: 1.262 ng/ul
 RT: 29.215 min Scan# 4464
 Delta R.T. 0.042 min
 Lab File: BG061495.D
 Acq: 5 Jun 2024 20:40

Tgt Ion:276 Resp: 14163
 Ion Ratio Lower Upper
 276 100
 138 18.6 8.7 13.1#
 277 23.4 18.2 27.2

