

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072123\
 Data File : BG058385.D
 Acq On : 21 Jul 2023 13:11
 Operator : CG/JU
 Sample : 03504-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 21 22:16:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 18 02:19:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	46574	20.000	ng/ul	0.00
20) Naphthalene-d8	10.695	136	206106	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.532	164	140839	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.276	188	302970	20.000	ng/ul	0.00
79) Chrysene-d12	21.530	240	243314	20.000	ng/ul	0.00
88) Perylene-d12	24.661	264	306921	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.339	96	1289	1.019	ng/uL	0.00
4) Pyridine-d5	3.745	84	31497	8.386	ng/ul	0.00
7) Phenol-d5	7.064	99	24006	5.433	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.217	67	15461	5.599	ng/ul	0.00
11) 2-Chlorophenol-d4	7.429	132	17697	5.722	ng/ul	0.00
15) 4-Methylphenol-d8	8.604	113	7209	2.139	ng/ul	0.00
21) Nitrobenzene-d5	9.056	128	8856	5.732	ng/ul	0.00
24) 2-Nitrophenol-d4	9.779	143	9369	5.555	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.325	165	16889	5.224	ng/ul	0.00
31) 4-Chloroaniline-d4	10.807	131	360	0.077	ng/ul	-0.03
46) Dimethylphthalate-d6	13.933	166	57623	5.306	ng/ul	0.00
49) Acenaphthylene-d8	14.227	160	63235	5.556	ng/ul	0.00
54) 4-Nitrophenol-d4	14.755	143	3635	2.216	ng/ul	0.02
60) Fluorene-d10	15.519	176	50930	5.664	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.648	200	2677	1.734	ng/ul	0.00
73) Anthracene-d10	17.376	188	71415	5.455	ng/ul	0.00
81) Pyrene-d10	19.667	212	74828	5.207	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.444	264	48407	3.263	ng/ul	0.00
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.035	77	2441	1.368	ng/ul	97
8) Phenol	7.094	94	6622	1.443	ng/ul	94
16) Acetophenone	8.715	105	26198	4.565	ng/ul	95
30) Naphthalene	10.748	128	134332	12.194	ng/ul	99
32) 4-Chloroaniline	10.742	127	17935	3.744	ng/ul#	15
36) 2-Methylnaphthalene	12.352	142	58071	7.868	ng/ul	98
37) 1-Methylnaphthalene	12.576	142	40444	5.346	ng/ul	93
43) 1,1'-Biphenyl	13.363	154	20944	2.199	ng/ul	97
52) Acenaphthene	14.597	153	203809	23.894	ng/ul	99
56) Dibenzofuran	14.932	168	223833	18.429	ng/ul	99
61) Fluorene	15.578	166	254224	25.524	ng/ul	97
63) 4-Nitroaniline	15.578	138	2515	1.582	ng/ul#	16
72) Phenanthrene	17.411	178	558139	38.765	ng/ul	98
74) Anthracene	17.411	178	559578	38.714	ng/ul	99
77) Carbazole	17.681	167	175607	14.015	ng/ul	97
80) Fluoranthene	19.338	202	1543989	93.783	ng/ul	98
82) Pyrene	19.697	202	1032562	61.899	ng/ul	98
85) Benzo(a)anthracene	21.512	228	689614	42.167	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.412	149	21618	2.314	ng/ul	100
87) Chrysene	21.512	228	687810	44.339	ng/ul	97
90) Benzo(b)fluoranthene	23.674	252	646742	36.419	ng/ul#	97
91) Benzo(k)fluoranthene	23.674	252	646742	36.516	ng/ul	98
93) Benzo(a)pyrene	24.514	252	248116	15.709	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.228	276	204137	9.809	ng/ul	98

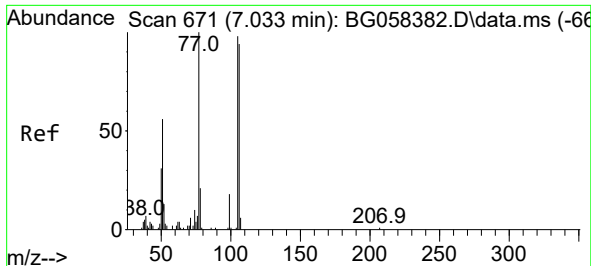
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072123\
Data File : BG058385.D
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 18 02:19:39 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Dibenzo(a,h)anthracene	28.263	278	82029	4.807	ng/ul#	93

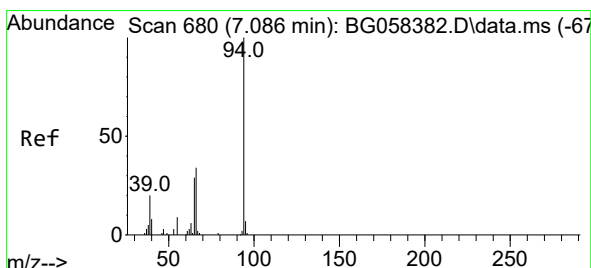
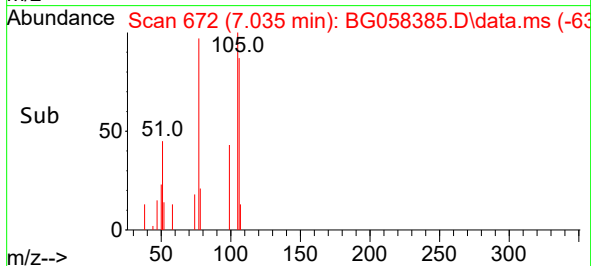
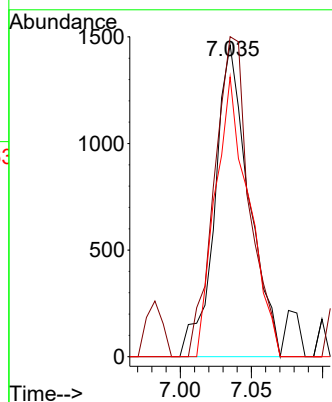
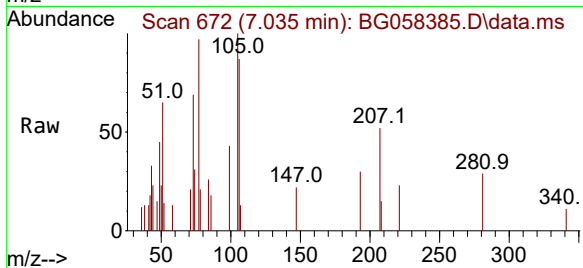
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6
Benzaldehyde
Concen: 1.368 ng/ul
RT: 7.035 min Scan# 611
Delta R.T. -0.000 min
Lab File: BG058385.D
Acq: 21 Jul 2023 13:11

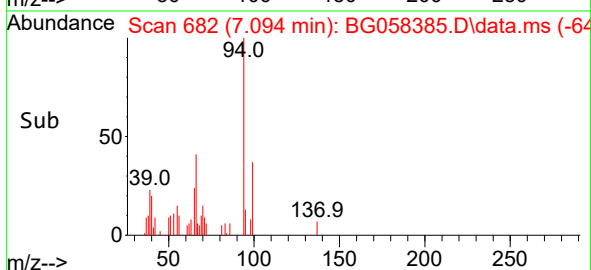
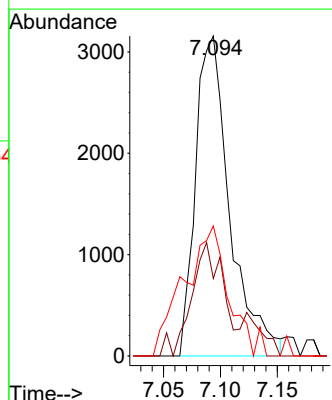
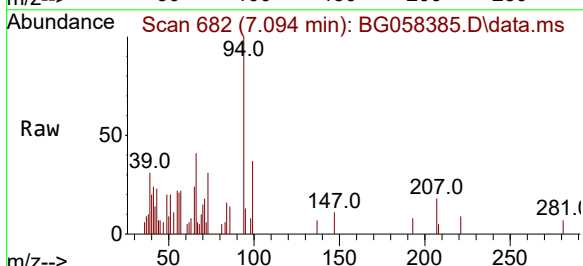
Instrument :
BNA_G
ClientSampleId :

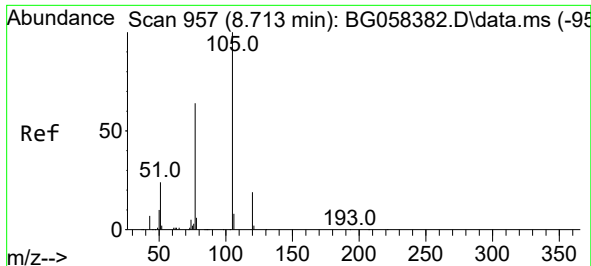
Tgt Ion: 77 Resp: 2441
Ion Ratio Lower Upper
77 100
105 102.6 78.2 117.4
106 89.7 71.6 107.4



#8
Phenol
Concen: 1.443 ng/ul
RT: 7.094 min Scan# 682
Delta R.T. 0.006 min
Lab File: BG058385.D
Acq: 21 Jul 2023 13:11

Tgt Ion: 94 Resp: 6622
Ion Ratio Lower Upper
94 100
65 24.2 23.8 35.8
66 40.7 31.2 46.8

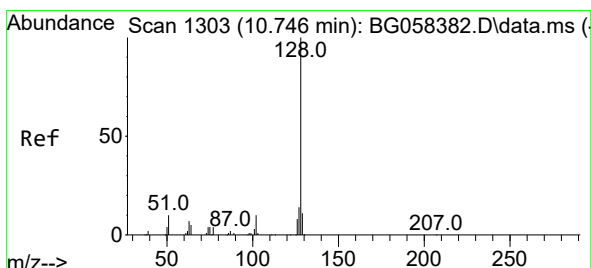
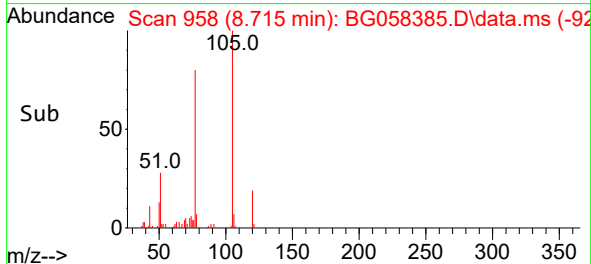
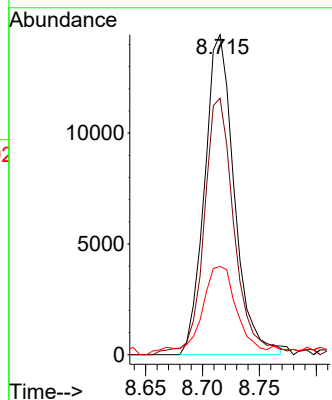
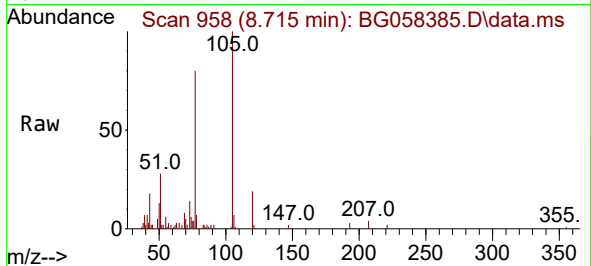




#16
Acetophenone
Concen: 4.565 ng/ul
RT: 8.715 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG058385.D
Acq: 21 Jul 2023 13:11

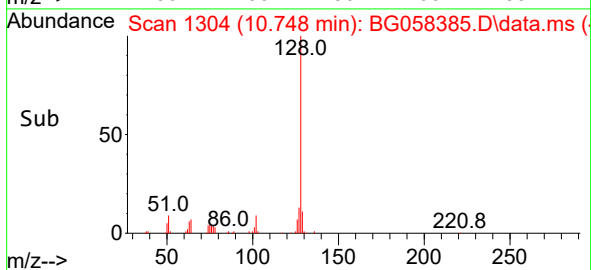
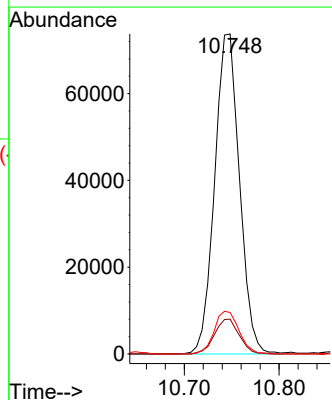
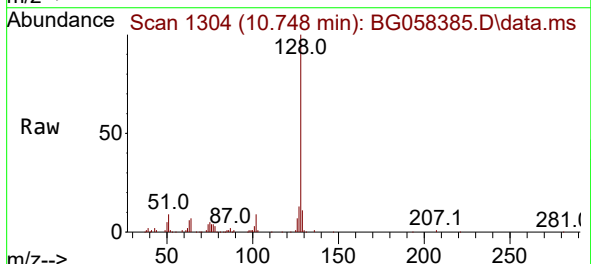
Instrument :
BNA_G
ClientSampleId :

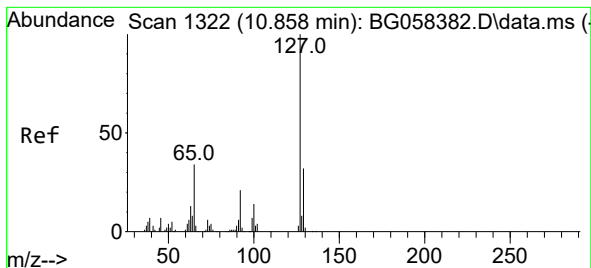
Tgt Ion:105 Resp: 26198
Ion Ratio Lower Upper
105 100
77 80.2 60.7 91.1
51 27.5 23.5 35.3



#30
Naphthalene
Concen: 12.194 ng/ul
RT: 10.748 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BG058385.D
Acq: 21 Jul 2023 13:11

Tgt Ion:128 Resp: 134332
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.0 10.8 16.2

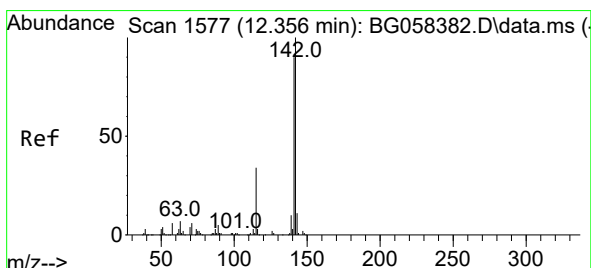
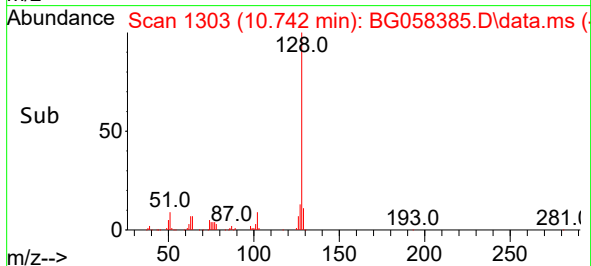
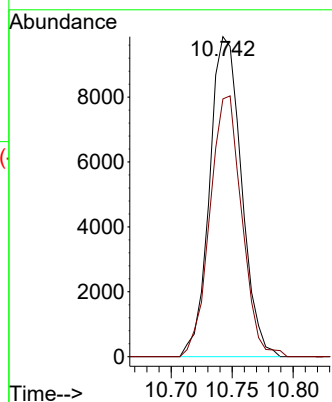
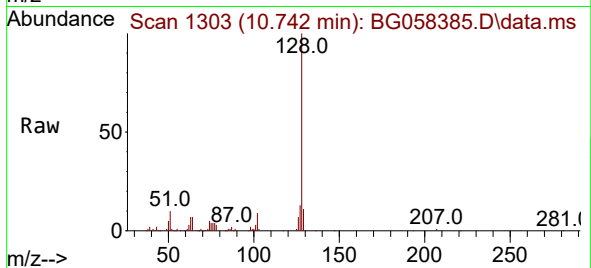




#32
4-Chloroaniline
Concen: 3.744 ng/ul
RT: 10.742 min Scan# 11
Delta R.T. -0.118 min
Lab File: BG058385.D
Acq: 21 Jul 2023 13:11

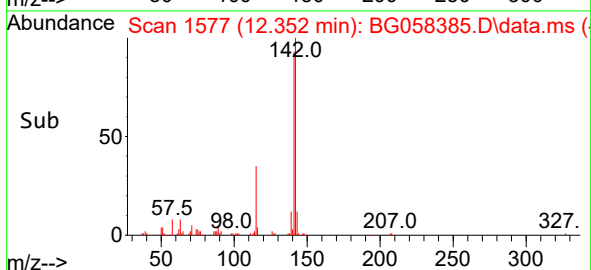
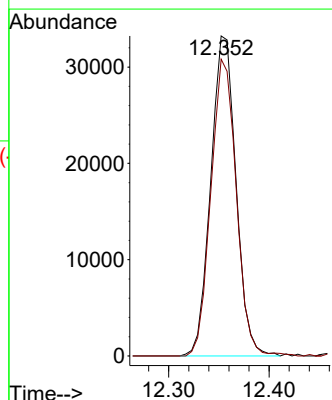
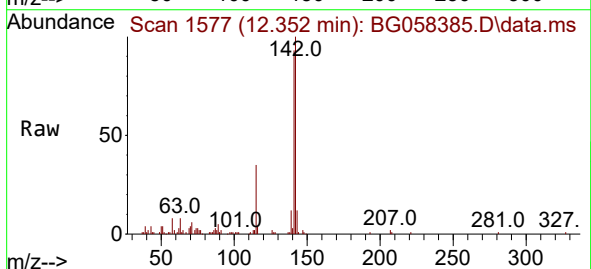
Instrument :
BNA_G
ClientSampleId :

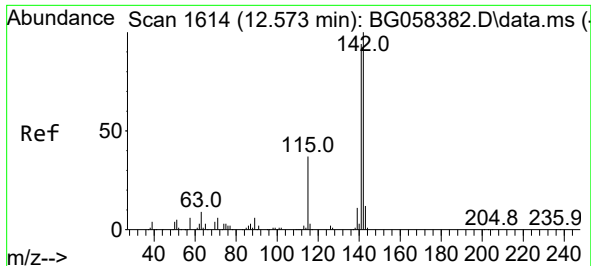
Tgt Ion:127 Resp: 17935
Ion Ratio Lower Upper
127 100
129 80.5 26.1 39.1#



#36
2-Methylnaphthalene
Concen: 7.868 ng/ul
RT: 12.352 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BG058385.D
Acq: 21 Jul 2023 13:11

Tgt Ion:142 Resp: 58071
Ion Ratio Lower Upper
142 100
141 92.8 72.6 108.8





#37

1-Methylnaphthalene

Concen: 5.346 ng/ul

RT: 12.576 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG058385.D

Acq: 21 Jul 2023 13:11

Instrument :

BNA_G

ClientSampleId :

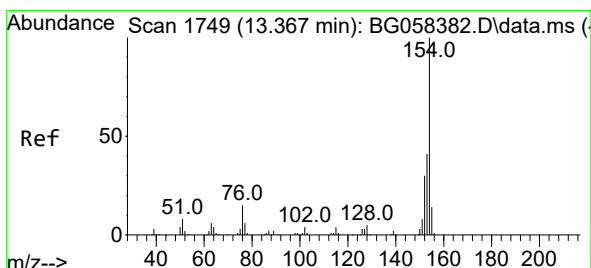
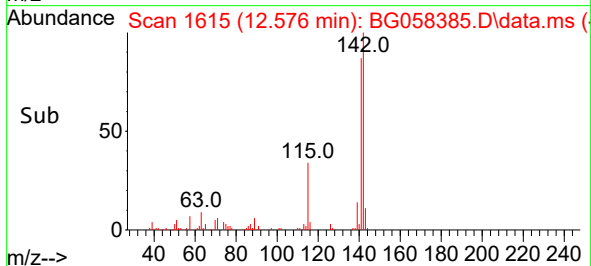
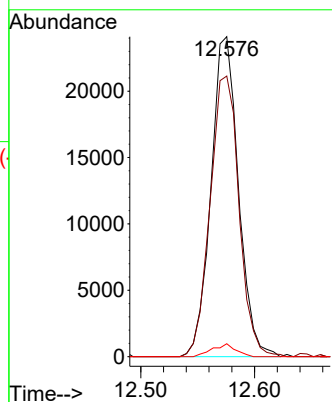
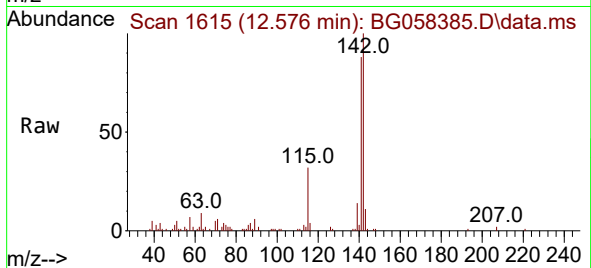
Tgt Ion:142 Resp: 40444

Ion Ratio Lower Upper

142 100

141 87.7 75.8 113.6

116 4.1 3.2 4.8



#43

1,1'-Biphenyl

Concen: 2.199 ng/ul

RT: 13.363 min Scan# 1749

Delta R.T. -0.006 min

Lab File: BG058385.D

Acq: 21 Jul 2023 13:11

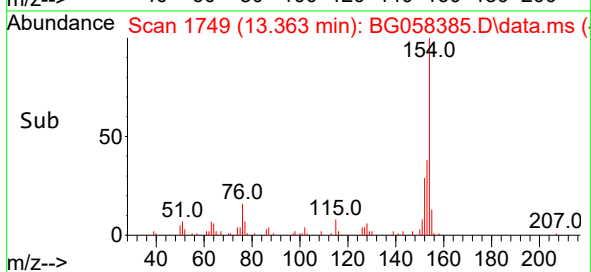
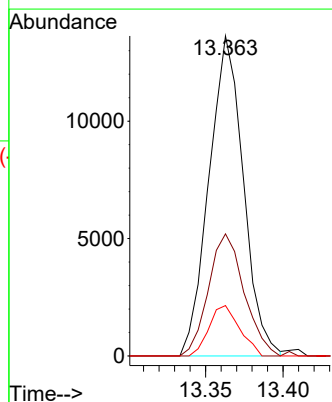
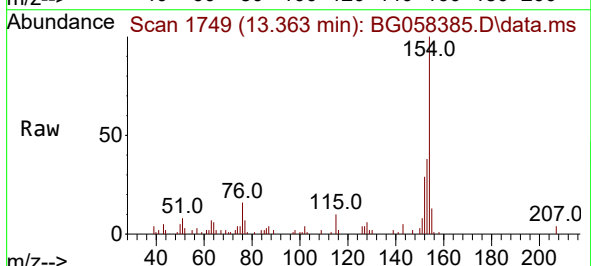
Tgt Ion:154 Resp: 20944

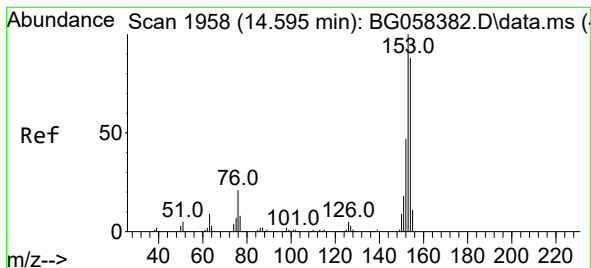
Ion Ratio Lower Upper

154 100

153 38.1 31.8 47.6

76 15.8 11.7 17.5





#52

Acenaphthene

Concen: 23.894 ng/ul

RT: 14.597 min Scan# 1959

Delta R.T. -0.006 min

Lab File: BG058385.D

Acq: 21 Jul 2023 13:11

Instrument :

BNA_G

ClientSampleId :

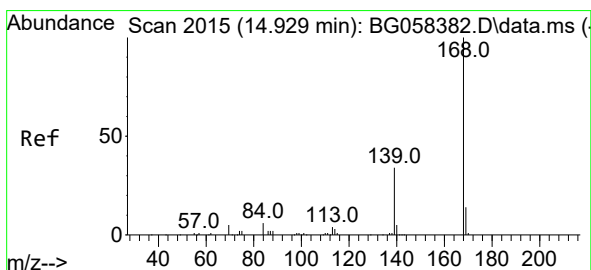
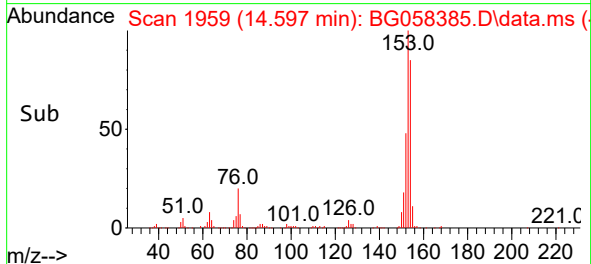
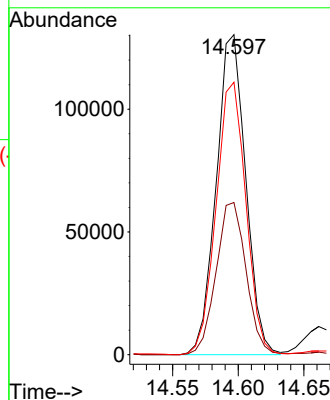
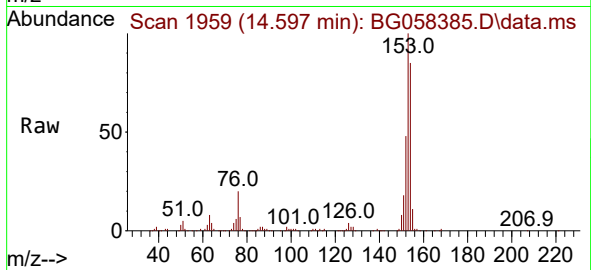
Tgt Ion:153 Resp: 203809

Ion Ratio Lower Upper

153 100

152 47.6 39.1 58.7

154 85.2 68.7 103.1



#56

Dibenzofuran

Concen: 18.429 ng/ul

RT: 14.932 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BG058385.D

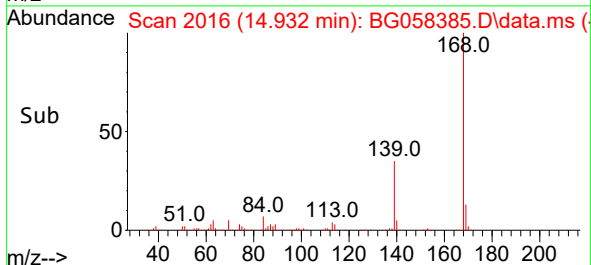
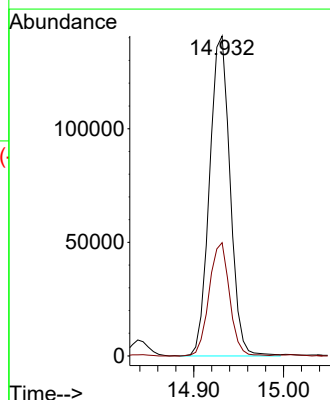
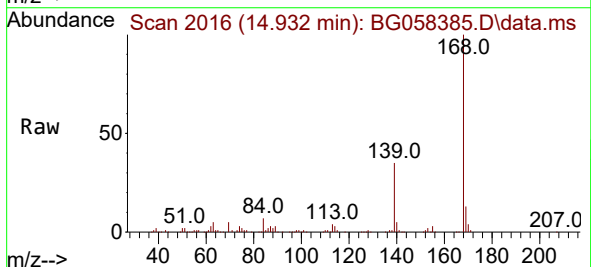
Acq: 21 Jul 2023 13:11

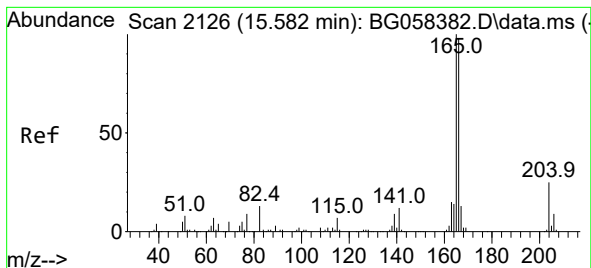
Tgt Ion:168 Resp: 223833

Ion Ratio Lower Upper

168 100

139 35.4 27.8 41.8





#61

Fluorene

Concen: 25.524 ng/ul

RT: 15.578 min Scan# 2126

Delta R.T. -0.006 min

Lab File: BG058385.D

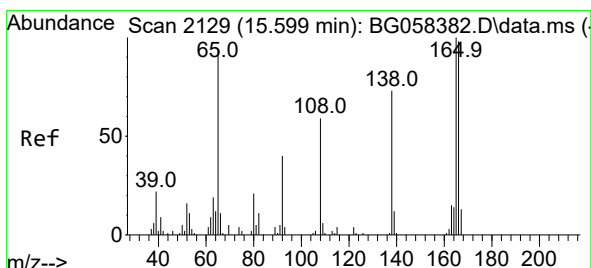
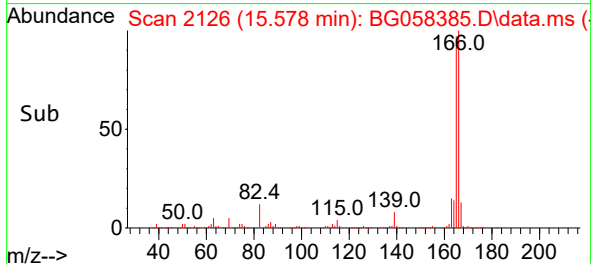
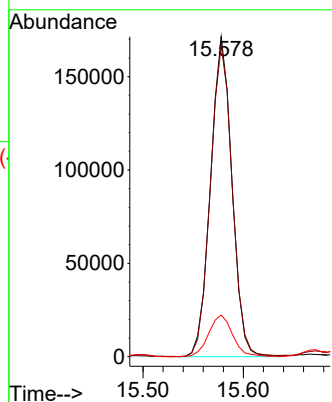
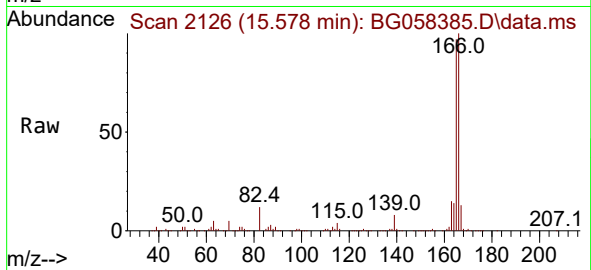
Acq: 21 Jul 2023 13:11

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:166	Resp:	254224
Ion Ratio	Lower	Upper
166	100	
165	97.3	80.2 120.2
167	13.0	10.5 15.7



#63

4-Nitroaniline

Concen: 1.582 ng/ul

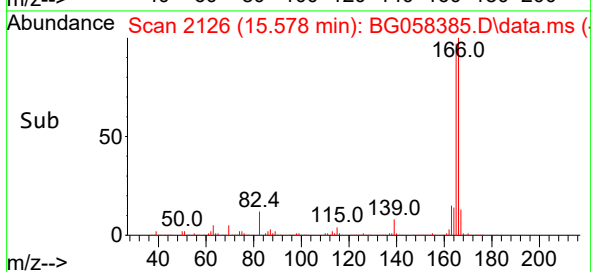
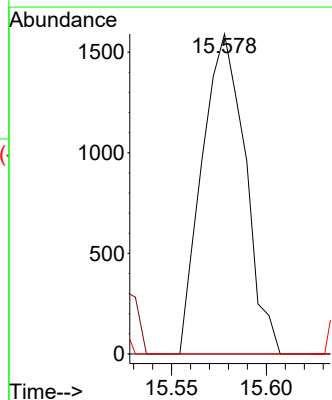
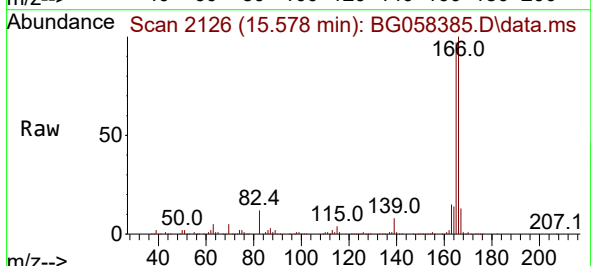
RT: 15.578 min Scan# 2126

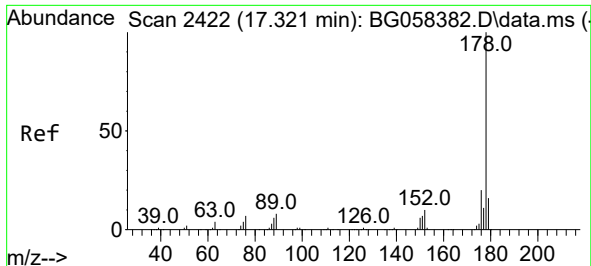
Delta R.T. -0.030 min

Lab File: BG058385.D

Acq: 21 Jul 2023 13:11

Tgt Ion:138	Resp:	2515
Ion Ratio	Lower	Upper
138	100	
92	0.0	45.0 67.4#
108	0.0	60.8 91.2#

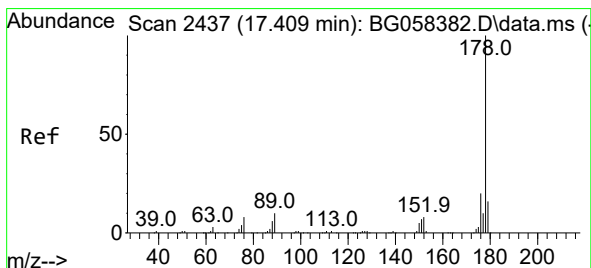
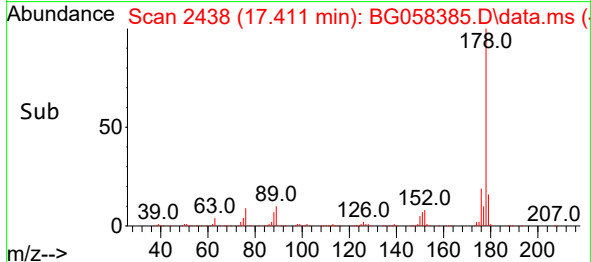
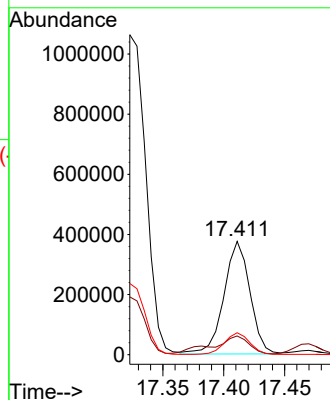
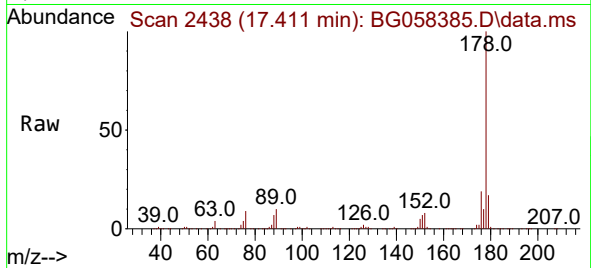




#72
Phenanthrene
Concen: 38.765 ng/ul
RT: 17.411 min Scan# 2422
Delta R.T. 0.088 min
Lab File: BG058385.D
Acq: 21 Jul 2023 13:11

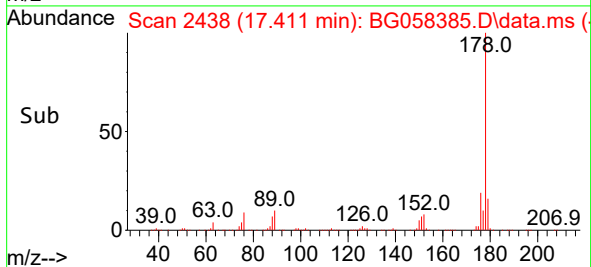
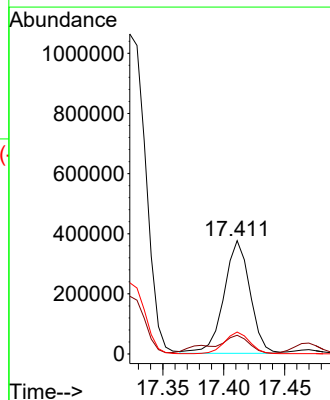
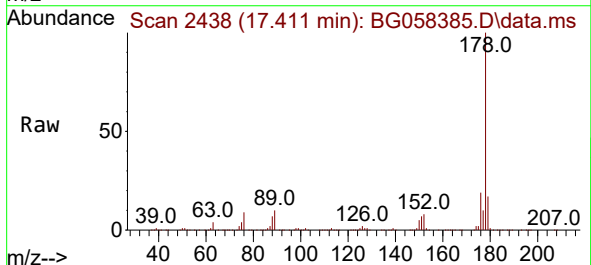
Instrument :
BNA_G
ClientSampleId :

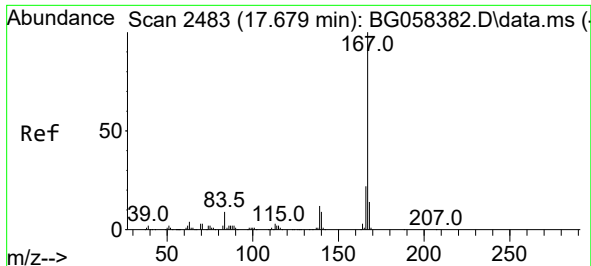
Tgt Ion:178 Resp: 558139
Ion Ratio Lower Upper
178 100
179 16.5 11.9 17.9
176 19.3 15.8 23.8



#74
Anthracene
Concen: 38.714 ng/ul
RT: 17.411 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BG058385.D
Acq: 21 Jul 2023 13:11

Tgt Ion:178 Resp: 559578
Ion Ratio Lower Upper
178 100
179 16.5 13.4 20.2
176 19.3 16.2 24.2

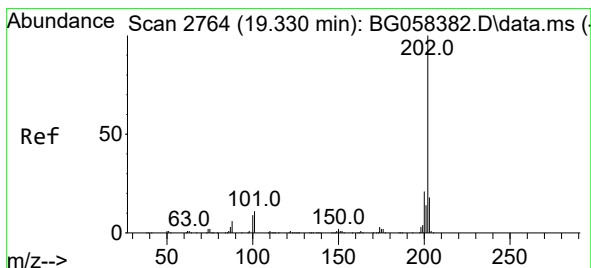
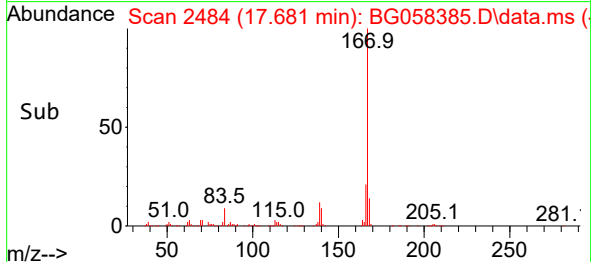
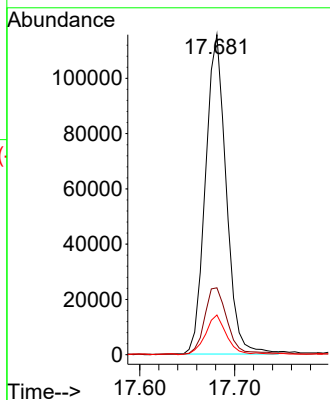
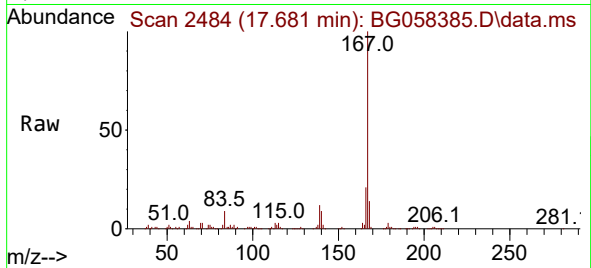




#77
 Carbazole
 Concen: 14.015 ng/ul
 RT: 17.681 min Scan# 2484
 Delta R.T. -0.000 min
 Lab File: BG058385.D
 Acq: 21 Jul 2023 13:11

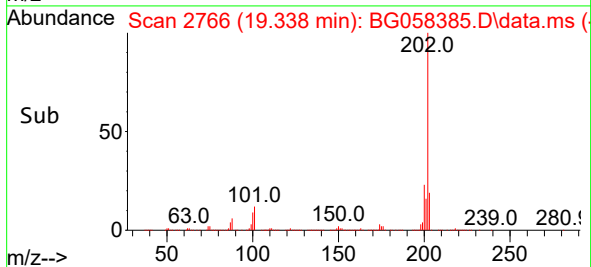
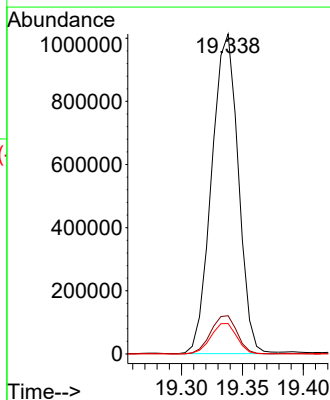
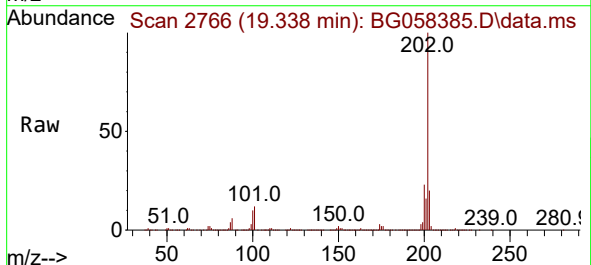
Instrument :
 BNA_G
 ClientSampleId :

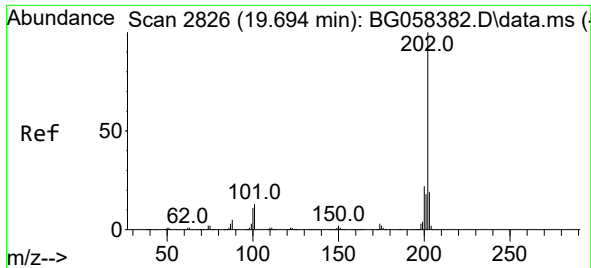
Tgt Ion:167 Resp: 175607
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.8 26.8
 139 12.4 9.4 14.0



#80
 Fluoranthene
 Concen: 93.783 ng/ul
 RT: 19.338 min Scan# 2766
 Delta R.T. 0.006 min
 Lab File: BG058385.D
 Acq: 21 Jul 2023 13:11

Tgt Ion:202 Resp: 1543989
 Ion Ratio Lower Upper
 202 100
 101 11.9 8.6 12.8
 100 9.5 7.2 10.8

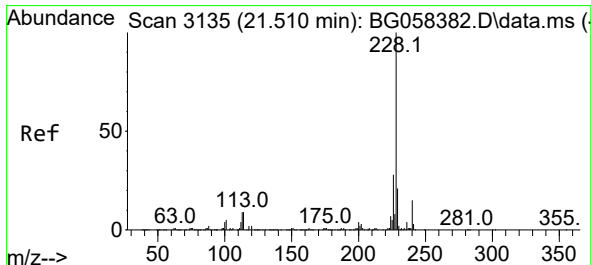
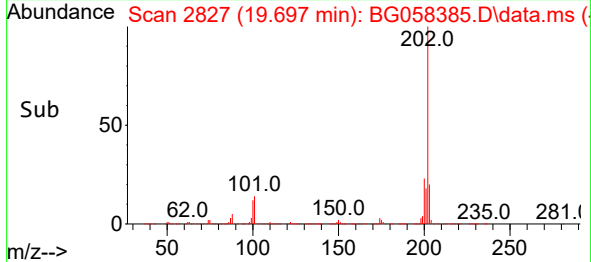
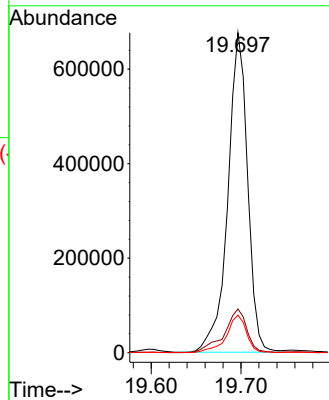
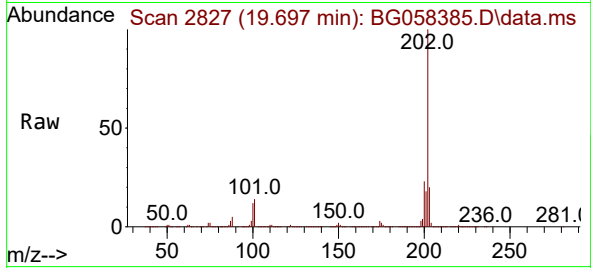




#82
Pyrene
Concen: 61.899 ng/ul
RT: 19.697 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG058385.D
Acq: 21 Jul 2023 13:11

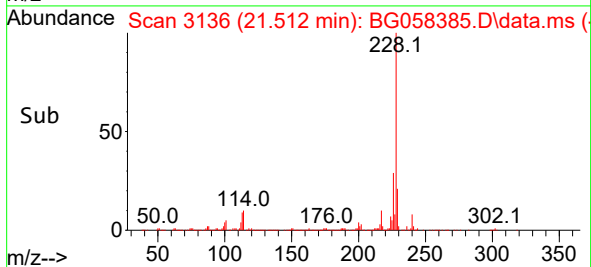
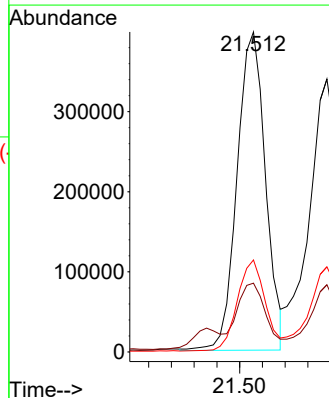
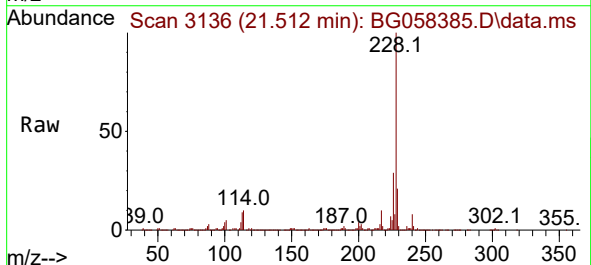
Instrument :
BNA_G
ClientSampleId :

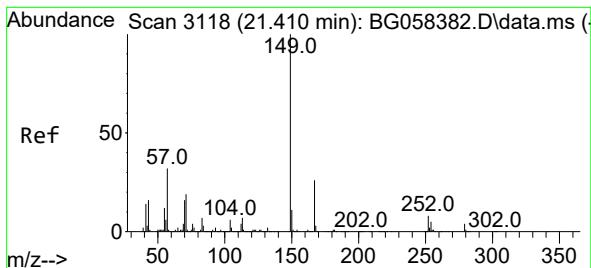
Tgt Ion:202 Resp: 1032562
Ion Ratio Lower Upper
202 100
101 13.6 10.2 15.2
100 11.7 8.9 13.3



#85
Benzo(a)anthracene
Concen: 42.167 ng/ul
RT: 21.512 min Scan# 3136
Delta R.T. -0.000 min
Lab File: BG058385.D
Acq: 21 Jul 2023 13:11

Tgt Ion:228 Resp: 689614
Ion Ratio Lower Upper
228 100
229 21.5 15.7 23.5
226 28.7 21.8 32.8

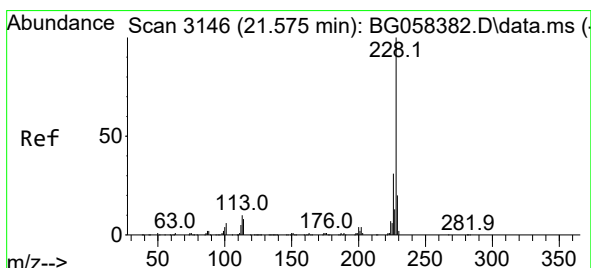
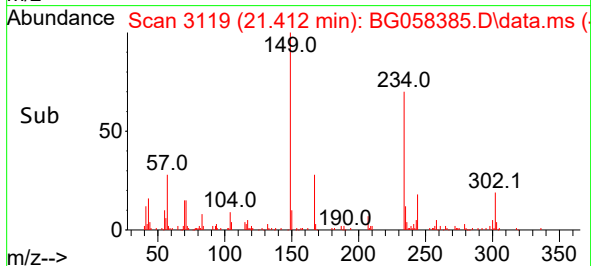
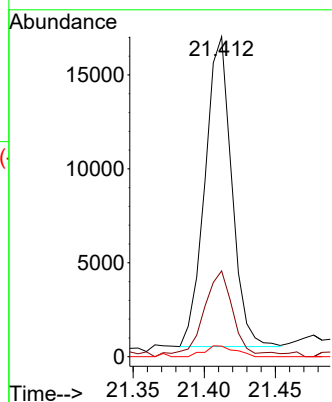
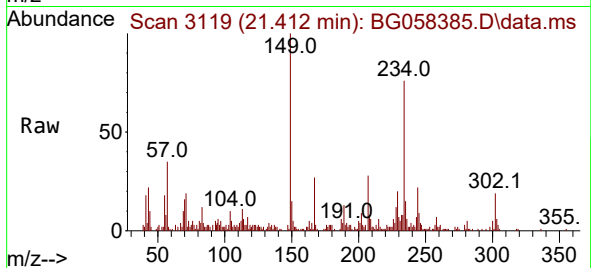




#86
Bis(2-ethylhexyl)phthalate
Concen: 2.314 ng/ul
RT: 21.412 min Scan# 3119
Delta R.T. -0.000 min
Lab File: BG058385.D
Acq: 21 Jul 2023 13:11

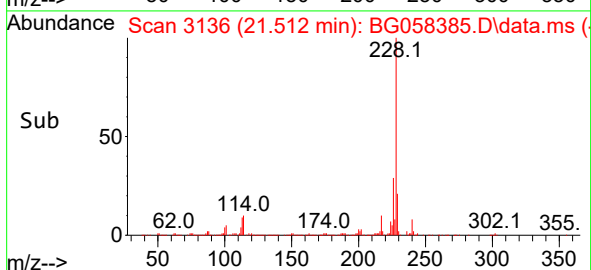
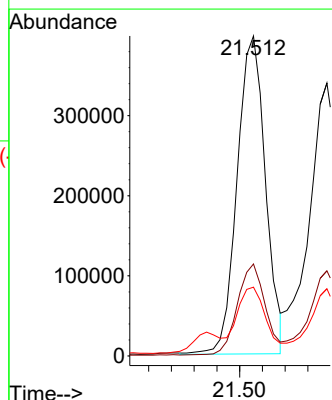
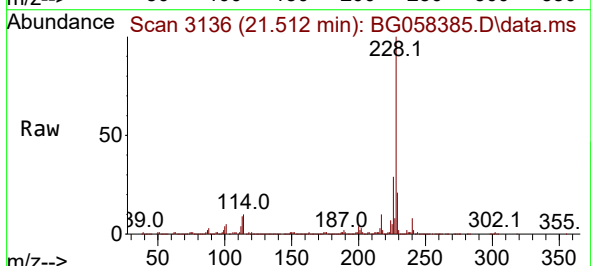
Instrument :
BNA_G
ClientSampleId :

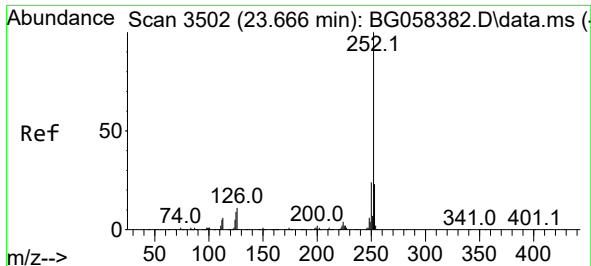
Tgt Ion:149 Resp: 21618
Ion Ratio Lower Upper
149 100
167 26.8 21.6 32.4
279 3.3 3.0 4.4



#87
Chrysene
Concen: 44.339 ng/ul
RT: 21.512 min Scan# 3136
Delta R.T. -0.065 min
Lab File: BG058385.D
Acq: 21 Jul 2023 13:11

Tgt Ion:228 Resp: 687810
Ion Ratio Lower Upper
228 100
226 28.7 24.0 36.0
229 21.5 15.8 23.8

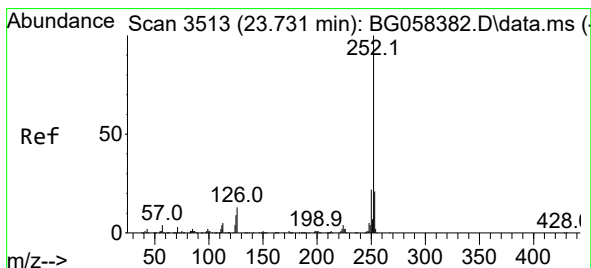
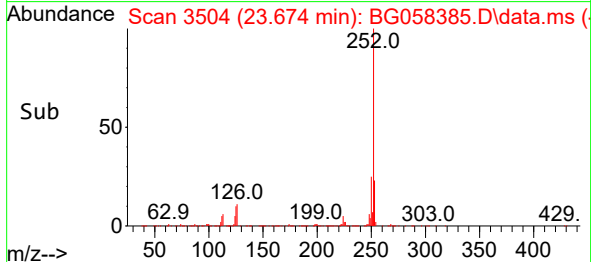
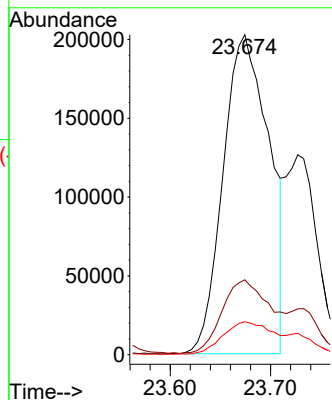
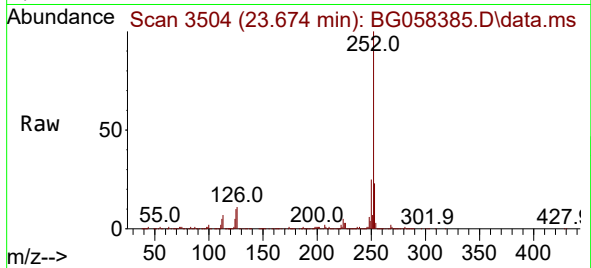




#90
Benzo(b)fluoranthene
Concen: 36.419 ng/ul
RT: 23.674 min Scan# 3504
Delta R.T. 0.006 min
Lab File: BG058385.D
Acq: 21 Jul 2023 13:11

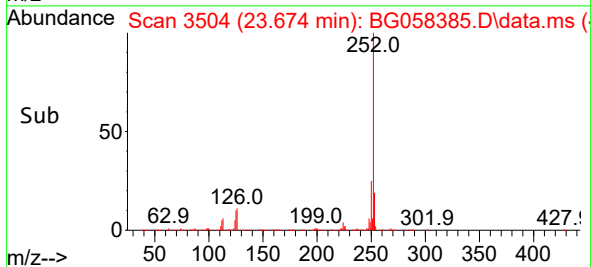
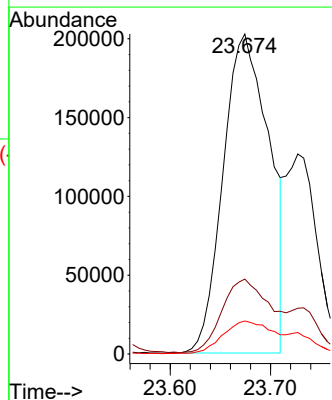
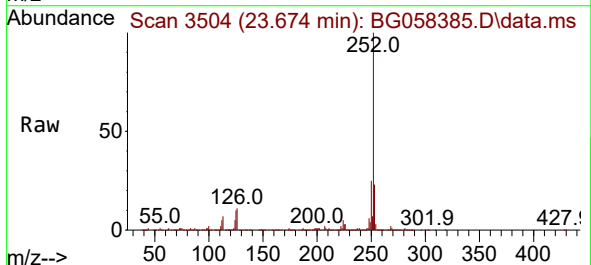
Instrument :
BNA_G
ClientSampleId :

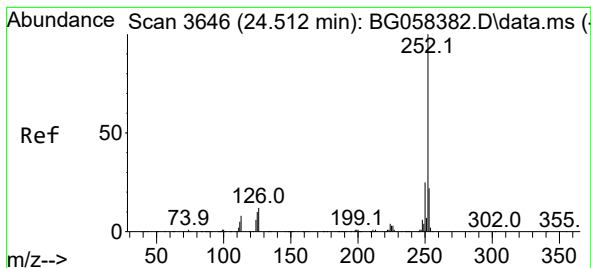
Tgt Ion:252 Resp: 646742
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 10.3 6.7 10.1#



#91
Benzo(k)fluoranthene
Concen: 36.516 ng/ul
RT: 23.674 min Scan# 3504
Delta R.T. -0.059 min
Lab File: BG058385.D
Acq: 21 Jul 2023 13:11

Tgt Ion:252 Resp: 646742
Ion Ratio Lower Upper
252 100
253 23.4 18.3 27.5
125 10.3 7.4 11.0





#93

Benzo(a)pyrene

Concen: 15.709 ng/ul

RT: 24.514 min Scan# 3647

Delta R.T. -0.006 min

Lab File: BG058385.D

Acq: 21 Jul 2023 13:11

Instrument :

BNA_G

ClientSampleId :

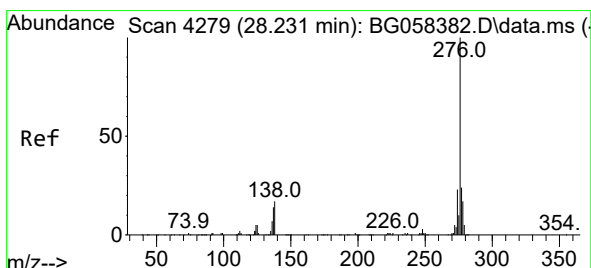
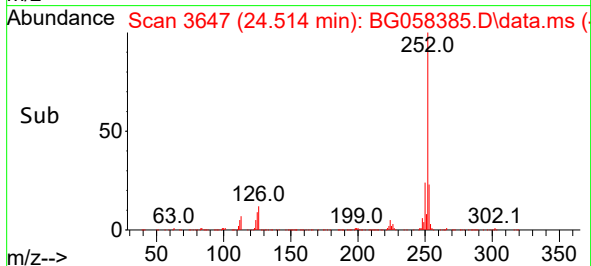
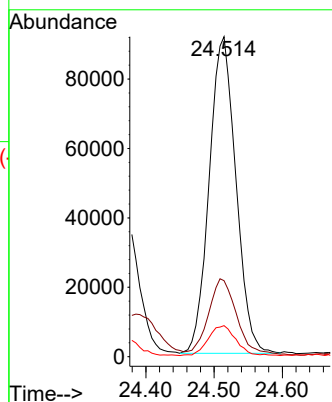
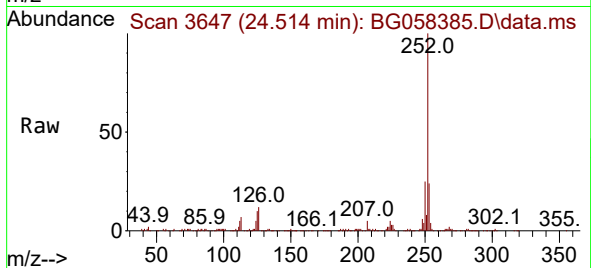
Tgt Ion:252 Resp: 248116

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

125 9.7 7.7 11.5



#94

Indeno(1,2,3-cd)pyrene

Concen: 9.809 ng/ul

RT: 28.228 min Scan# 4279

Delta R.T. -0.000 min

Lab File: BG058385.D

Acq: 21 Jul 2023 13:11

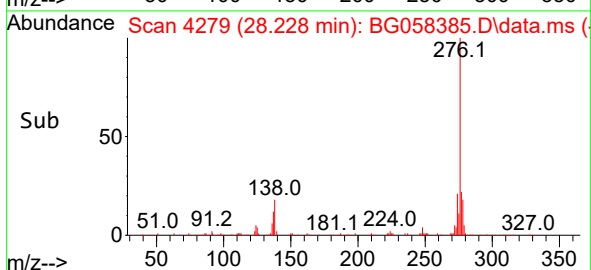
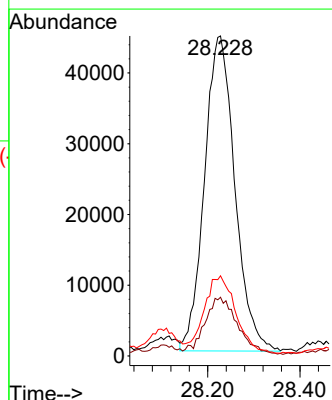
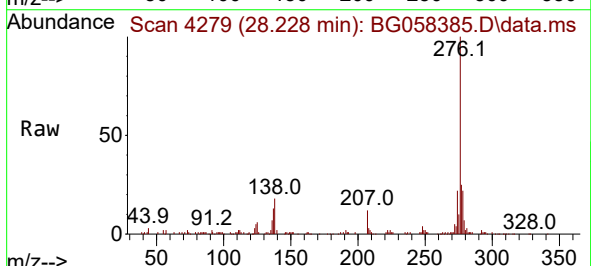
Tgt Ion:276 Resp: 204137

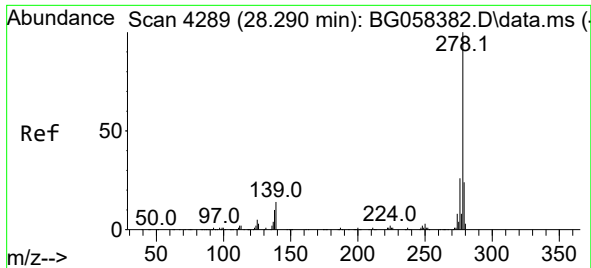
Ion Ratio Lower Upper

276 100

138 18.4 13.8 20.6

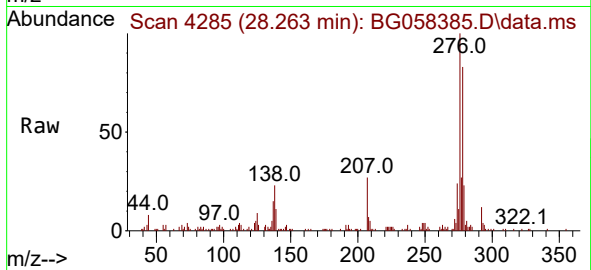
277 25.0 19.2 28.8





#95
 Dibenzo(a,h)anthracene
 Concen: 4.807 ng/ul
 RT: 28.263 min Scan# 41
 Delta R.T. -0.030 min
 Lab File: BG058385.D
 Acq: 21 Jul 2023 13:11

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:278 Resp: 82029
 Ion Ratio Lower Upper
 278 100
 139 13.6 10.4 15.6
 279 27.8 18.4 27.6#

