

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071323\
 Data File : BG058212.D
 Acq On : 14 Jul 2023 1:06
 Operator : CG/JU
 Sample : 03414-16
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A46E6

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
 Supervised By :mohammad ahmed 07/17/2023

Quant Time: Jul 14 03:03:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 13 14:01:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.906	152	54623	20.000	ng/u1	0.00
20) Naphthalene-d8	10.702	136	258181	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.539	164	180832	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.283	188	391691	20.000	ng/u1	0.00
79) Chrysene-d12	21.543	240	315270	20.000	ng/u1	0.00
88) Perylene-d12	24.692	264	413883	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.346	96	1079	0.692	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.071	99	75045	13.453	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.230	67	44296	13.177	ng/u1	0.00
11) 2-Chlorophenol-d4	7.436	132	54140	14.072	ng/u1	0.00
15) 4-Methylphenol-d8	8.611	113	60319	14.330	ng/u1	0.00
21) Nitrobenzene-d5	9.063	128	27988	13.300	ng/u1	0.00
24) 2-Nitrophenol-d4	9.786	143	31670	14.320	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.326	165	59846	14.106	ng/u1	0.00
31) 4-Chloroaniline-d4	10.843	131	8186	1.273	ng/u1	0.00
46) Dimethylphthalate-d6	13.940	166	196226	13.753	ng/u1	0.00
49) Acenaphthylene-d8	14.234	160	230700	14.817	ng/u1	0.00
54) 4-Nitrophenol-d4	14.745	143	23462	9.307	ng/u1	0.00
60) Fluorene-d10	15.532	176	174650	14.413	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.650	200	22963	10.797	ng/u1	0.00
73) Anthracene-d10	17.383	188	266065	14.639	ng/u1	0.00
81) Pyrene-d10	19.674	212	297699	14.993	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.475	264	298721	14.167	ng/u1	0.00
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.042	77	4186	2.247	ng/u1	94
8) Phenol	7.095	94	12627	2.231	ng/u1	99
16) Acetophenone	8.722	105	83724	11.989	ng/u1	96
30) Naphthalene	10.755	128	95274	6.566	ng/u1	97
36) 2-Methylnaphthalene	12.365	142	19776	2.022	ng/u1	99
37) 1-Methylnaphthalene	12.583	142	14039	1.431	ng/u1	82
52) Acenaphthene	14.604	153	209454	18.155	ng/u1	97
56) Dibenzofuran	14.939	168	102223	6.233	ng/u1	97
61) Fluorene	15.585	166	128351	9.538	ng/u1	96
72) Phenanthrene	17.330	178	1379324	69.229	ng/u1	96
74) Anthracene	17.418	178	270510	13.417	ng/u1	99
77) Carbazole	17.688	167	170447	9.347	ng/u1	99
80) Fluoranthene	19.345	202	1797374	78.120	ng/u1	98
82) Pyrene	19.710	202	1552857	67.050	ng/u1	98
85) Benzo(a)anthracene	21.525	228	910960	40.242	ng/u1	95
86) Bis(2-ethylhexyl)phtha...	21.419	149	38255	2.843	ng/u1#	98
87) Chrysene	21.590	228	991231m	46.711	ng/u1	
90) Benzo(b)fluoranthene	23.699	252	1121867	43.777	ng/u1	97
91) Benzo(k)fluoranthene	23.752	252	435232m	17.327	ng/u1	
93) Benzo(a)pyrene	24.545	252	759683	33.493	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	28.276	276	562461	18.674	ng/u1	98
95) Dibenzo(a,h)anthracene	28.317	278	155755	6.271	ng/u1#	92
96) Benzo(g,h,i)perylene	29.386	276	82217m	3.342	ng/u1	

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

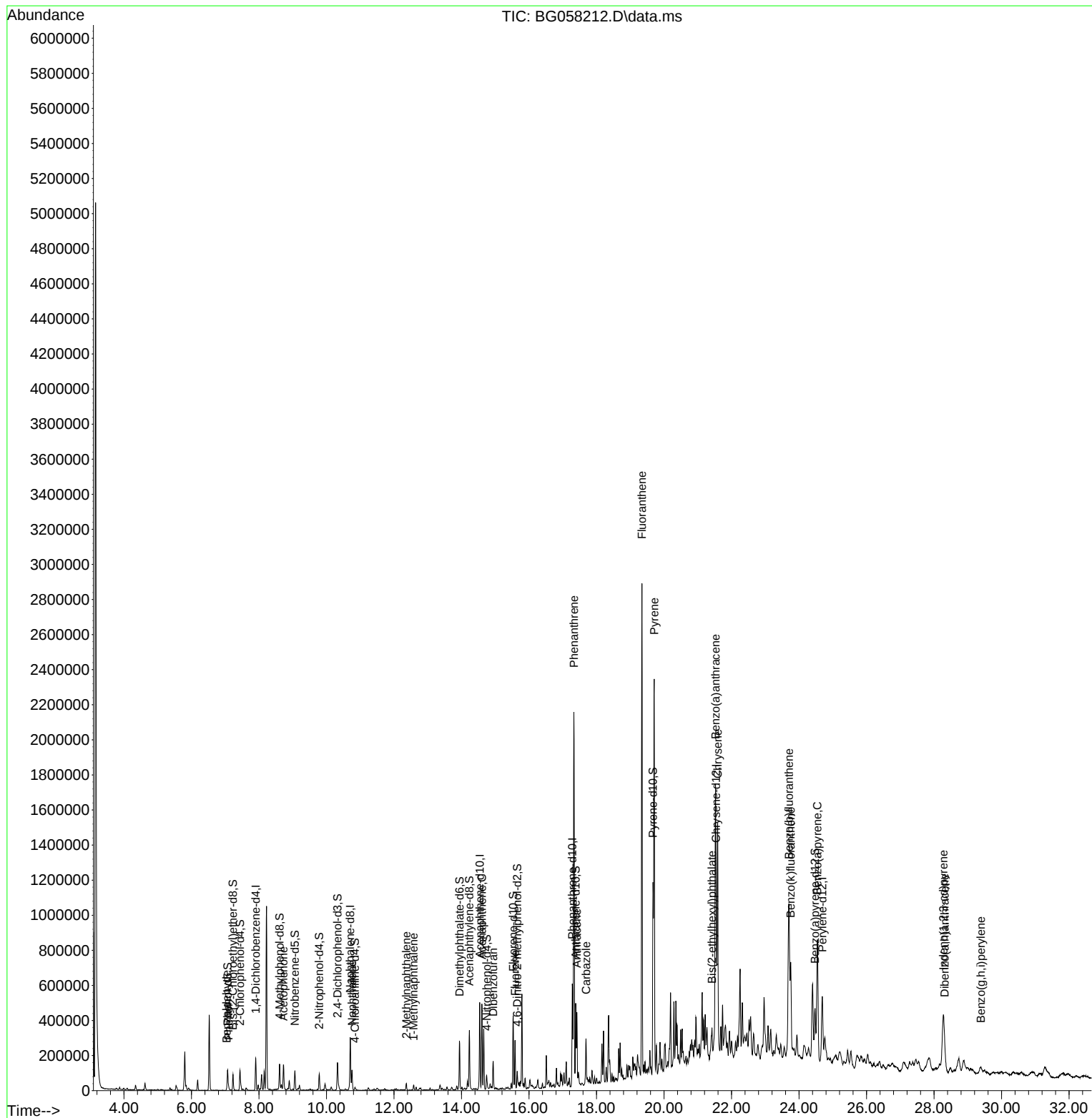
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071323\
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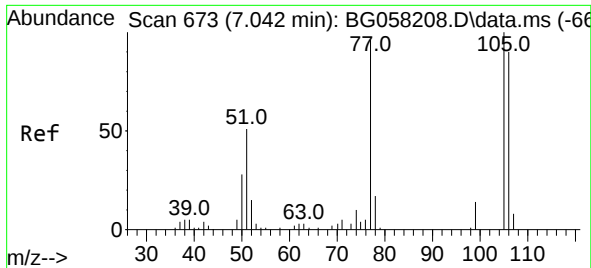
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 Quant Title : SVOA CALIBRATION
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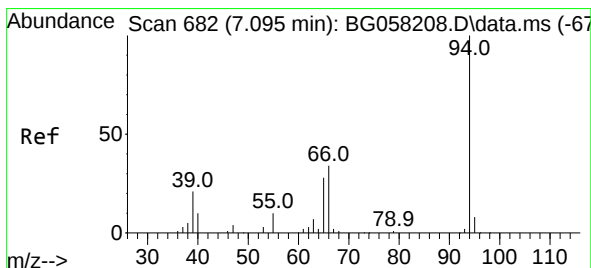
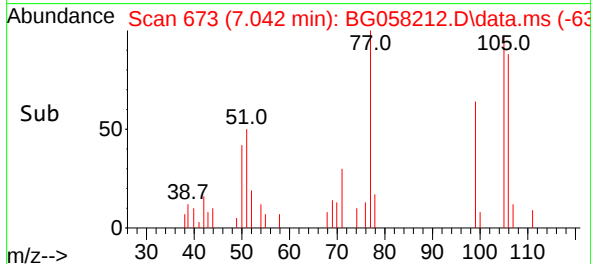
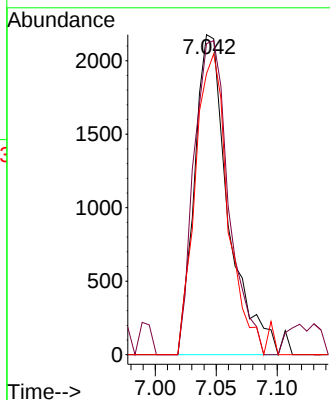
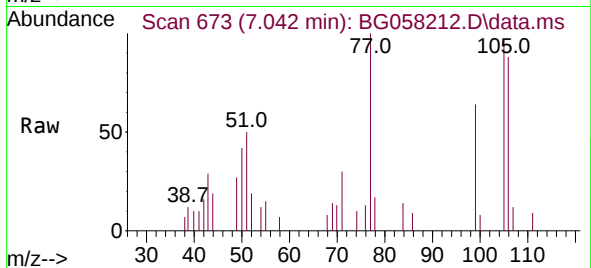
#6
Benzaldehyde
Concen: 2.247 ng/ul
RT: 7.042 min Scan# 673
Delta R.T. 0.000 min
Lab File: BG058212.D
Acq: 14 Jul 2023 1:06

Instrument :
BNA_G
ClientSampleId :
A46E6

Tgt Ion: 77 Resp: 4180
Ion Ratio Lower Upper
77 100
105 97.2 74.7 112.1
106 87.8 75.9 113.9

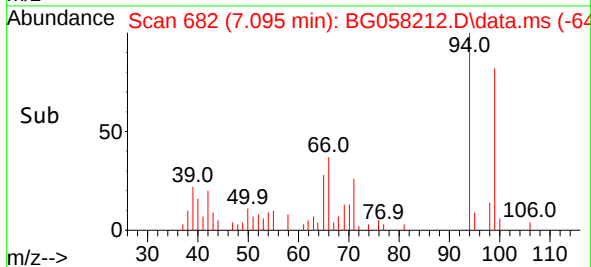
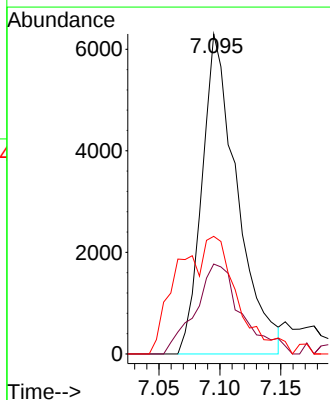
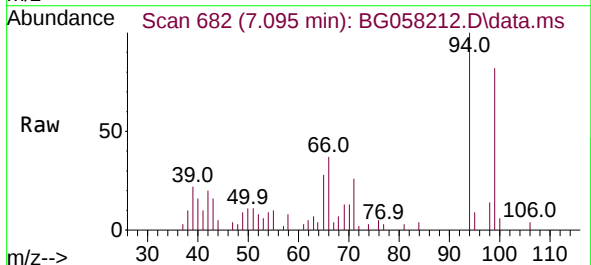
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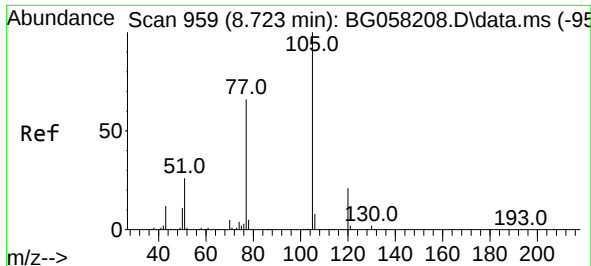
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/17/2023



#8
Phenol
Concen: 2.231 ng/ul
RT: 7.095 min Scan# 682
Delta R.T. 0.000 min
Lab File: BG058212.D
Acq: 14 Jul 2023 1:06

Tgt Ion: 94 Resp: 12627
Ion Ratio Lower Upper
94 100
65 28.1 22.2 33.4
66 36.8 28.6 43.0





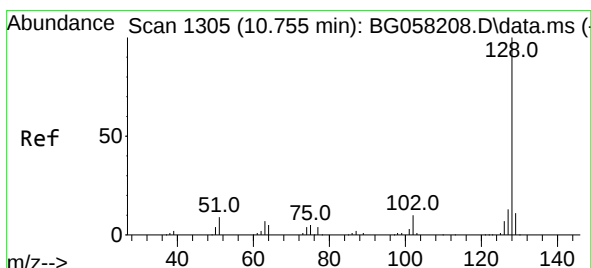
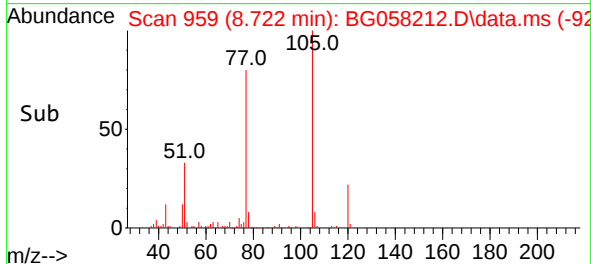
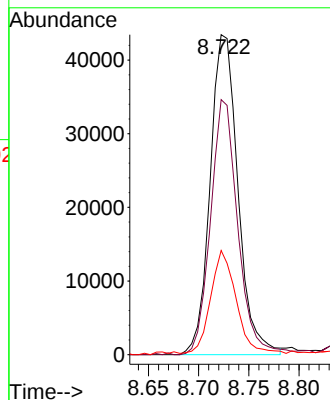
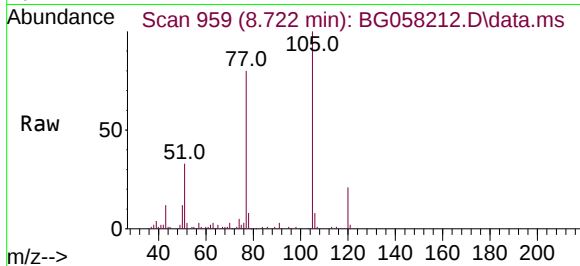
#16
Acetophenone
Concen: 11.989 ng/ul
RT: 8.722 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG058212.D
Acq: 14 Jul 2023 1:06

Instrument :
BNA_G
ClientSampleId :
A46E6

Tgt Ion:105 Resp: 83724
Ion Ratio Lower Upper
105 100
77 79.7 61.2 91.8
51 32.6 23.5 35.3

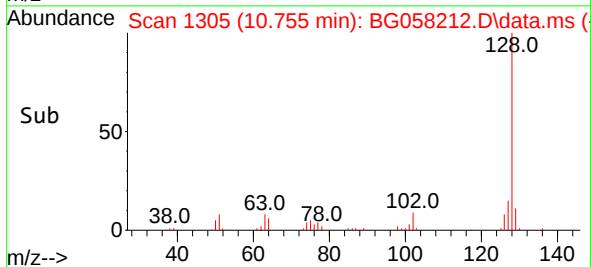
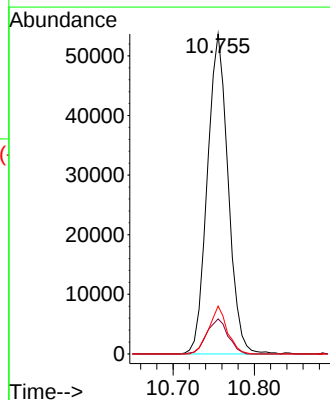
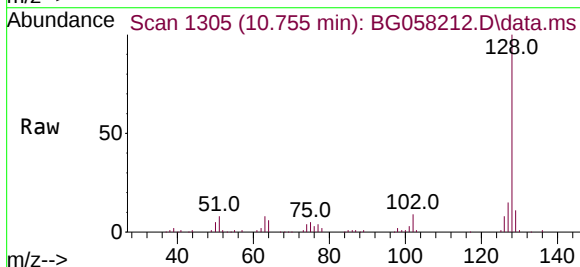
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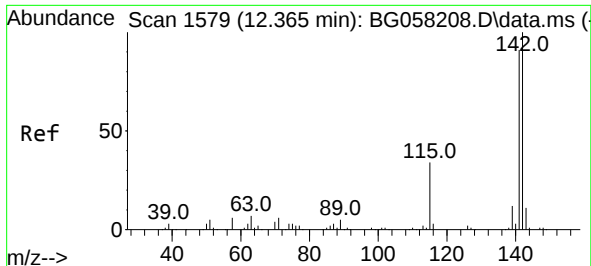
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/17/2023



#30
Naphthalene
Concen: 6.566 ng/ul
RT: 10.755 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BG058212.D
Acq: 14 Jul 2023 1:06

Tgt Ion:128 Resp: 95274
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 15.0 10.2 15.2





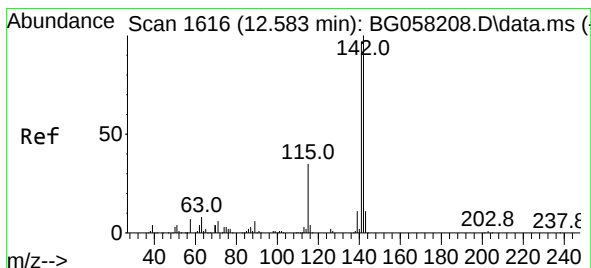
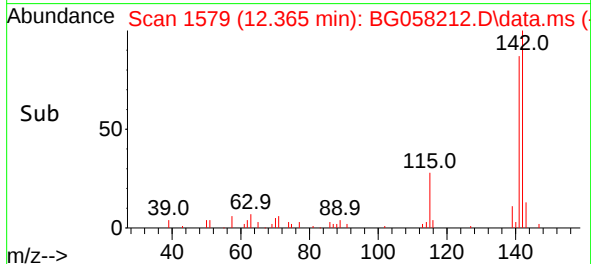
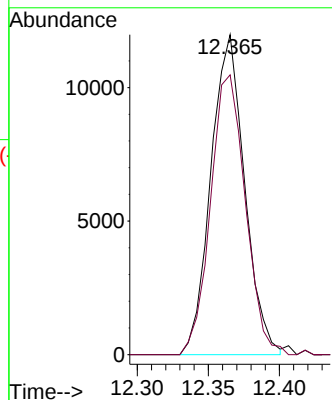
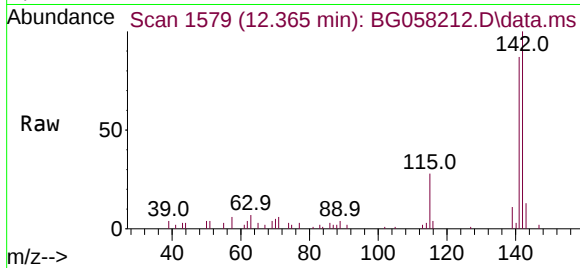
#36
2-Methylnaphthalene
Concen: 2.022 ng/ul
RT: 12.365 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BG058212.D
Acq: 14 Jul 2023 1:06

Instrument :
BNA_G
ClientSampleId :
A46E6

Tgt Ion:142 Resp: 19770
Ion Ratio Lower Upper
142 100
141 87.4 69.4 104.2

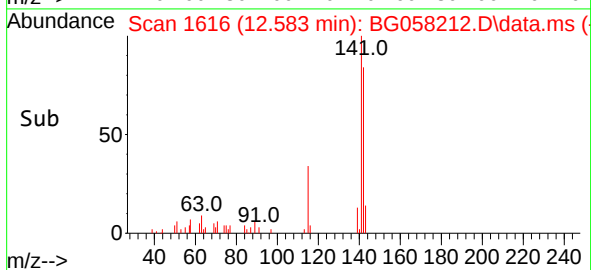
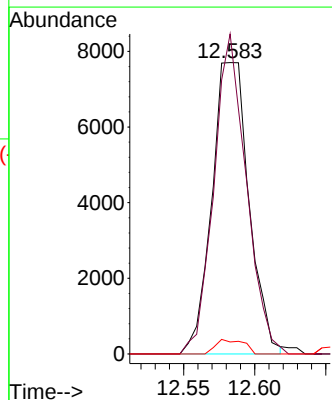
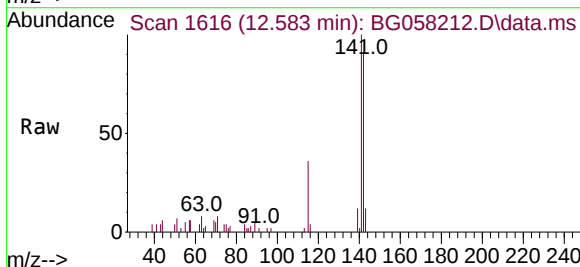
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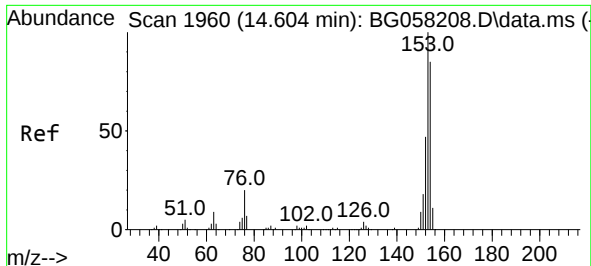
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/17/2023



#37
1-Methylnaphthalene
Concen: 1.431 ng/ul
RT: 12.583 min Scan# 1616
Delta R.T. -0.006 min
Lab File: BG058212.D
Acq: 14 Jul 2023 1:06

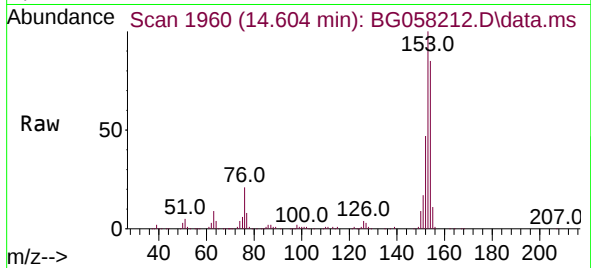
Tgt Ion:142 Resp: 14039
Ion Ratio Lower Upper
142 100
141 109.8 73.8 110.8
116 4.1 3.0 4.4





#52
Acenaphthene
Concen: 18.155 ng/uI
RT: 14.604 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BG058212.D
Acq: 14 Jul 2023 1:06

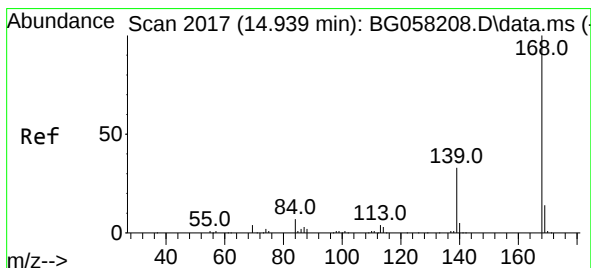
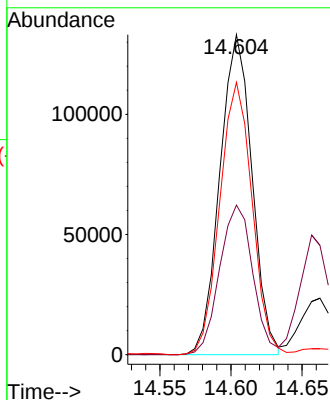
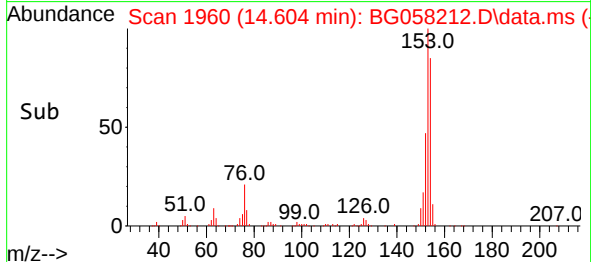
Instrument :
BNA_G
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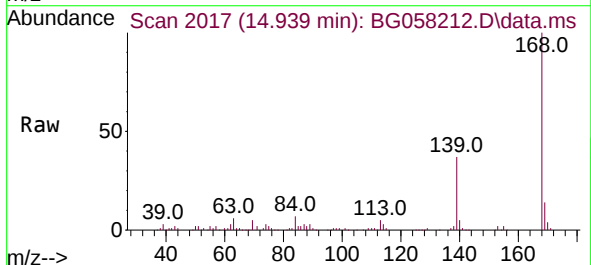
Tgt Ion:153 Resp: 209454
Ion Ratio Lower Upper
153 100
152 46.8 36.5 54.7
154 85.1 70.5 105.7

Manual Integrations
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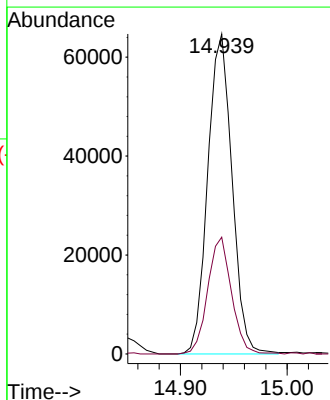
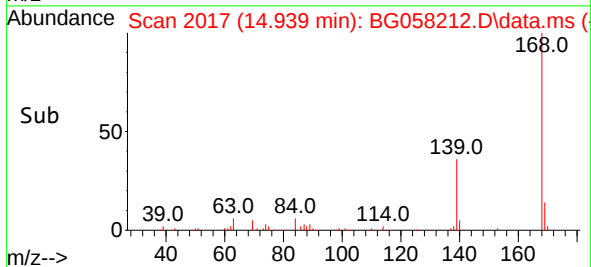
Reviewed By :Jagrut Upadhyay 07/15/2023
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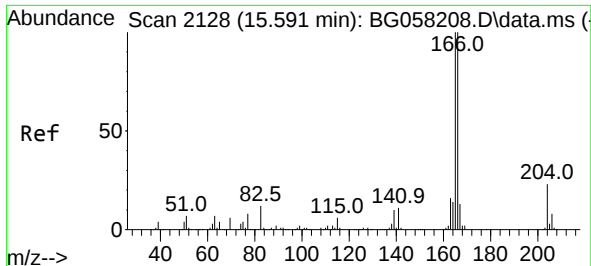


#56
Dibenzofuran
Concen: 6.233 ng/uI
RT: 14.939 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BG058212.D
Acq: 14 Jul 2023 1:06



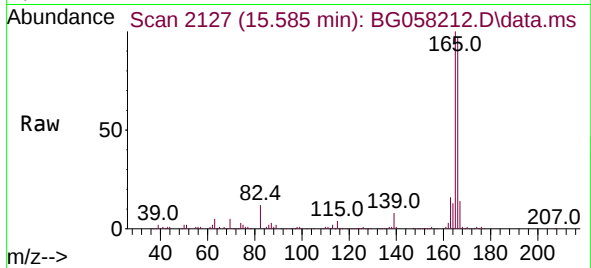
Tgt Ion:168 Resp: 102223
Ion Ratio Lower Upper
168 100
139 36.5 27.6 41.4





#61
Fluorene
Concen: 9.538 ng/ul
RT: 15.585 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BG058212.D
Acq: 14 Jul 2023 1:06

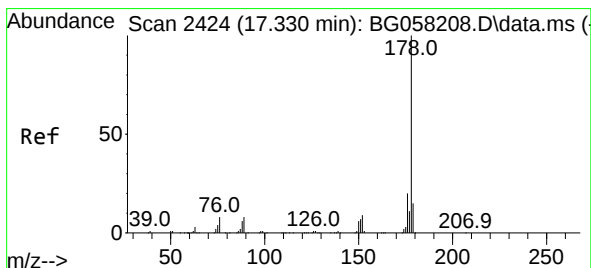
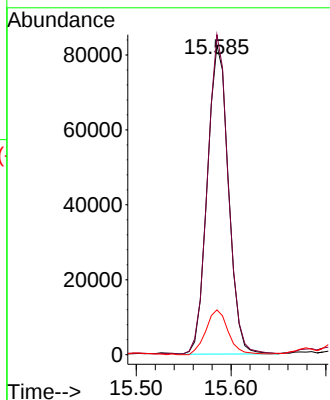
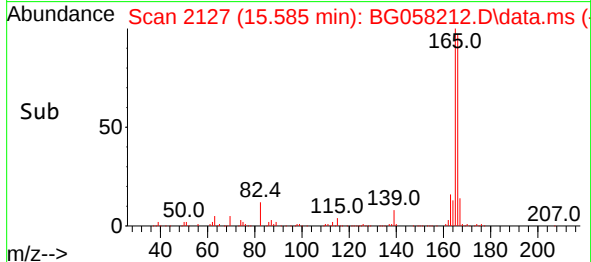
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Tgt Ion:166 Resp: 12835
Ion Ratio Lower Upper
166 100
165 103.4 79.1 118.7
167 14.5 10.7 16.1

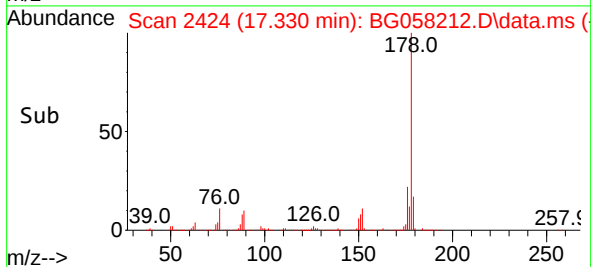
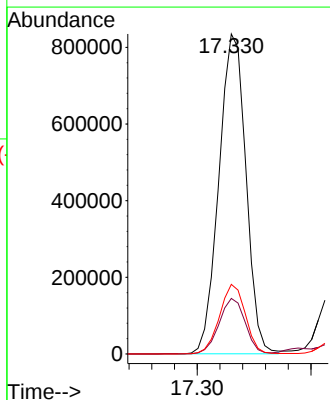
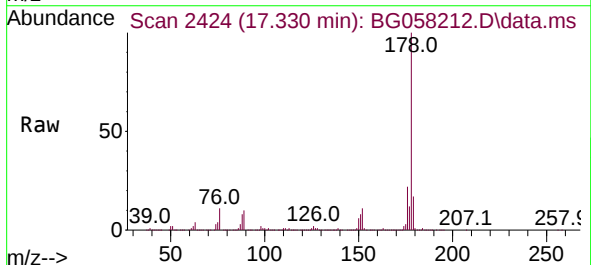
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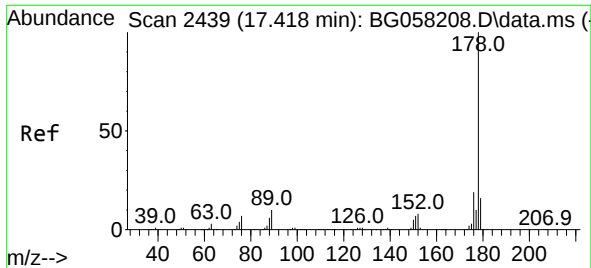
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/17/2023



#72
Phenanthrene
Concen: 69.229 ng/ul
RT: 17.330 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BG058212.D
Acq: 14 Jul 2023 1:06

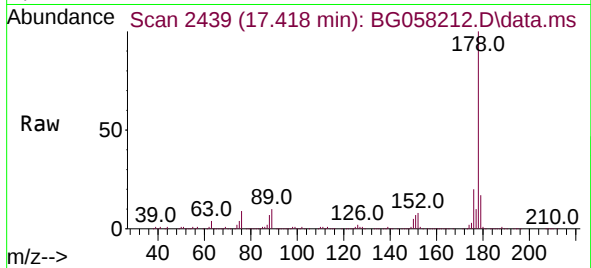
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Ion Ratio Lower Upper
178 100
179 17.4 12.8 19.2
176 21.7 15.7 23.5





#74
 Anthracene
 Concen: 13.417 ng/ul
 RT: 17.418 min Scan# 2439
 Delta R.T. -0.006 min
 Lab File: BG058212.D
 Acq: 14 Jul 2023 1:06

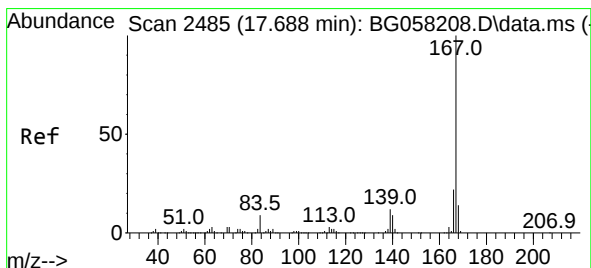
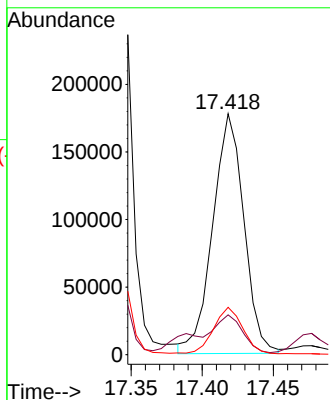
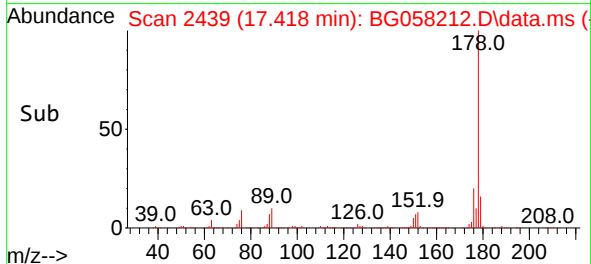
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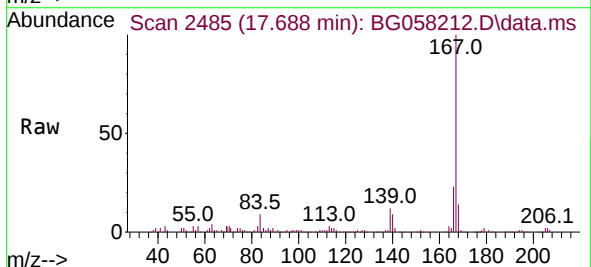
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 Ion Ratio Lower Upper
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 179 16.5 12.6 18.8
 176 19.6 15.4 23.2

Manual Integrations
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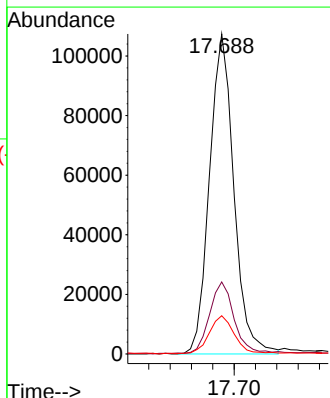
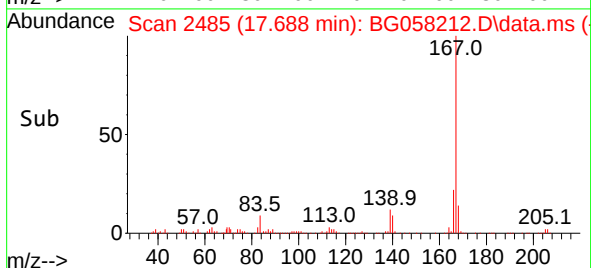
Reviewed By :Jagrut Upadhyay 07/15/2023
 Supervised By :mohammad ahmed 07/17/2023

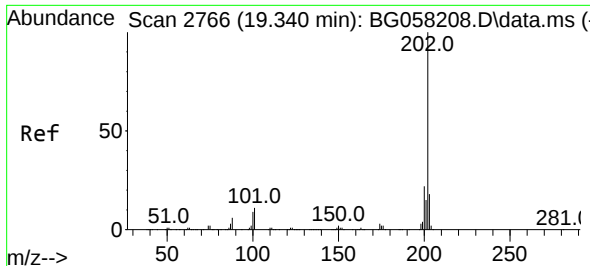


#77
 Carbazole
 Concen: 9.347 ng/ul
 RT: 17.688 min Scan# 2485
 Delta R.T. -0.006 min
 Lab File: BG058212.D
 Acq: 14 Jul 2023 1:06



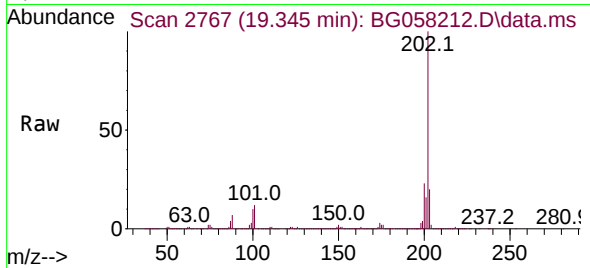
Tgt Ion:167 Resp: 170447
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.5 26.3
 139 11.9 9.5 14.3





#80
Fluoranthene
Concen: 78.120 ng/u1
RT: 19.345 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG058212.D
Acq: 14 Jul 2023 1:06

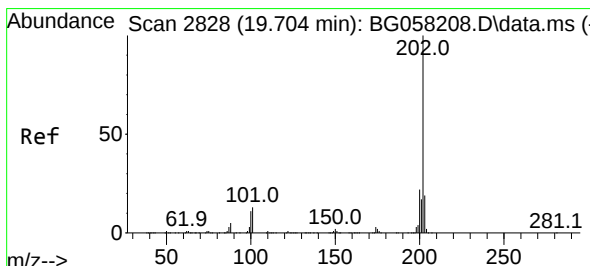
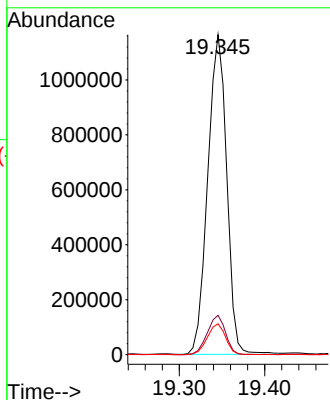
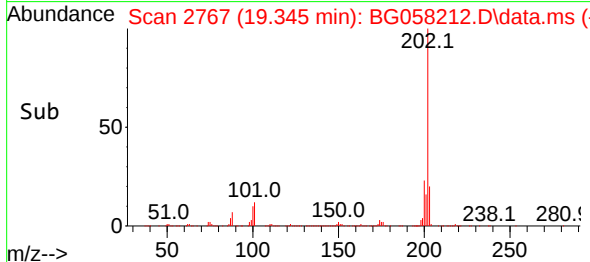
Instrument :
BNA_G
ClientSampleId :
A46E6



Tgt Ion:202 Resp: 1797374
Ion Ratio Lower Upper
202 100
101 12.3 9.1 13.7
100 9.6 7.1 10.7

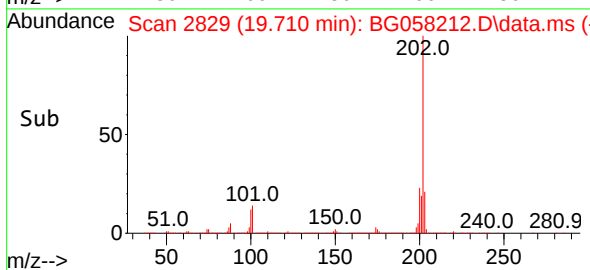
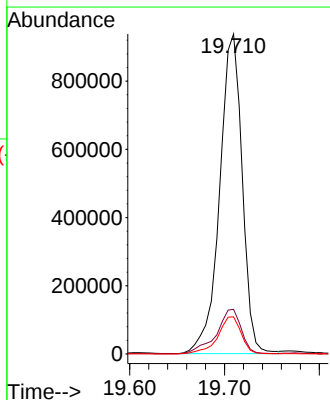
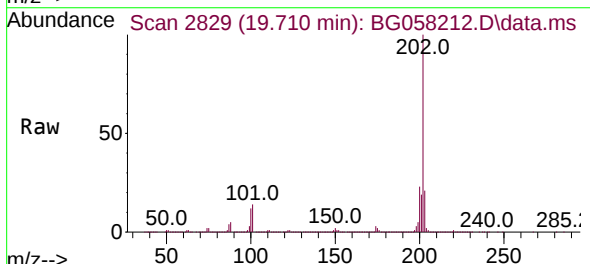
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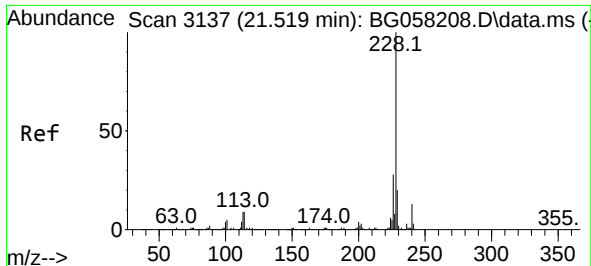
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/17/2023



#82
Pyrene
Concen: 67.050 ng/u1
RT: 19.710 min Scan# 2829
Delta R.T. 0.006 min
Lab File: BG058212.D
Acq: 14 Jul 2023 1:06

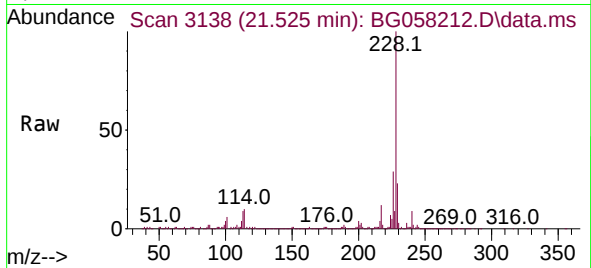
Tgt Ion:202 Resp: 1552857
Ion Ratio Lower Upper
202 100
101 13.9 10.2 15.2
100 11.6 8.9 13.3





#85
Benzo(a)anthracene
Concen: 40.242 ng/ul
RT: 21.525 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BG058212.D
Acq: 14 Jul 2023 1:06

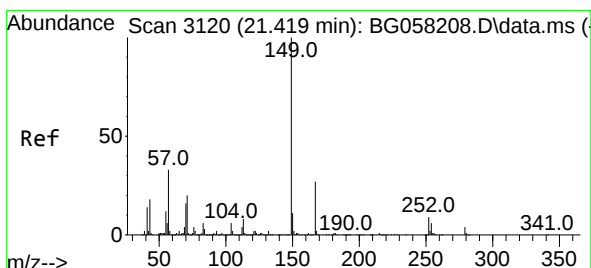
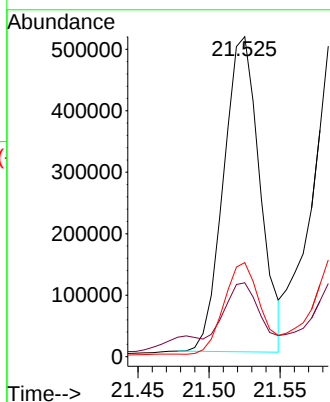
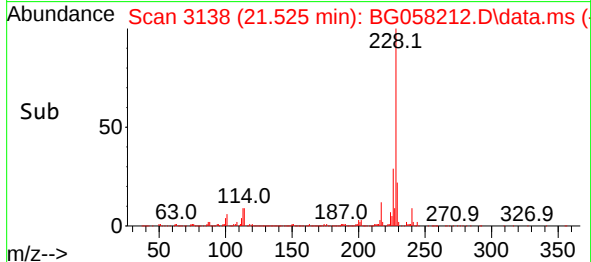
Instrument :
BNA_G
ClientSampleId :
A46E6



Tgt Ion:228 Resp: 910960
Ion Ratio Lower Upper
228 100
229 23.1 16.0 24.0
226 29.4 22.0 33.0

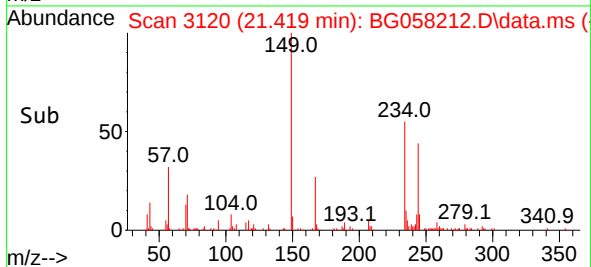
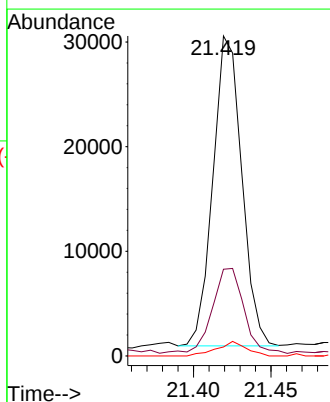
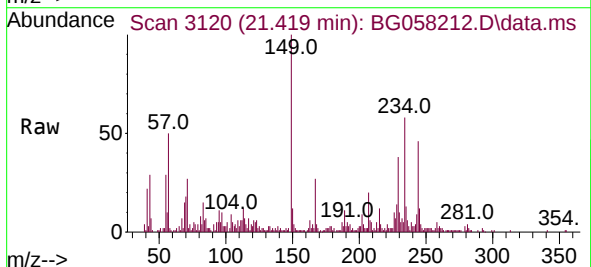
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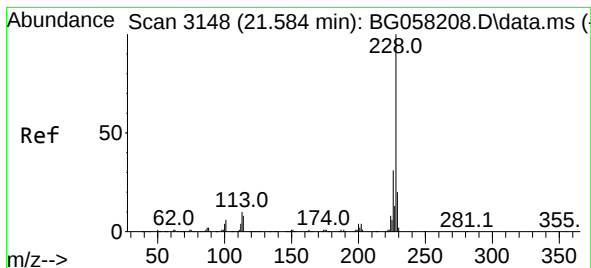
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/17/2023



#86
Bis(2-ethylhexyl)phthalate
Concen: 2.843 ng/ul
RT: 21.419 min Scan# 3120
Delta R.T. -0.006 min
Lab File: BG058212.D
Acq: 14 Jul 2023 1:06

Tgt Ion:149 Resp: 38255
Ion Ratio Lower Upper
149 100
167 27.1 20.9 31.3
279 2.8 3.1 4.7#





#87

Chrysene

Concen: 46.711 ng/ul m

RT: 21.590 min Scan# 3149

Delta R.T. 0.000 min

Lab File: BG058212.D

Acq: 14 Jul 2023 1:06

Instrument :

BNA_G

ClientSampleId :

A46E6

Tgt Ion:228 Resp: 99123

Ion Ratio Lower Upper

228 100

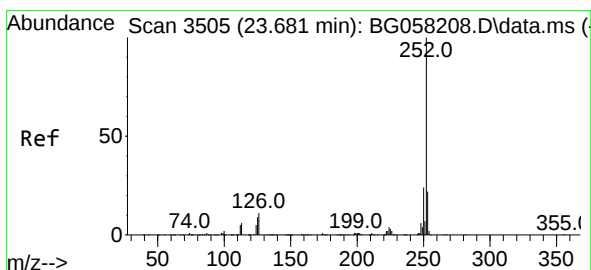
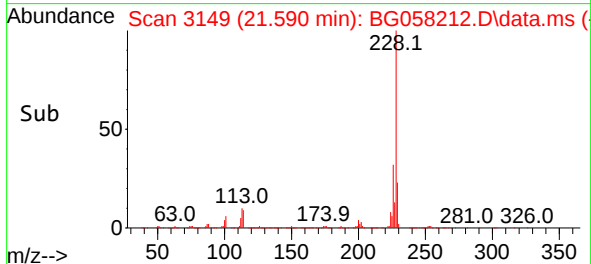
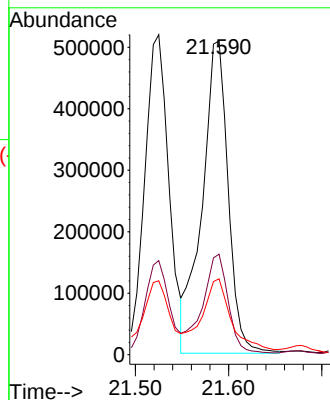
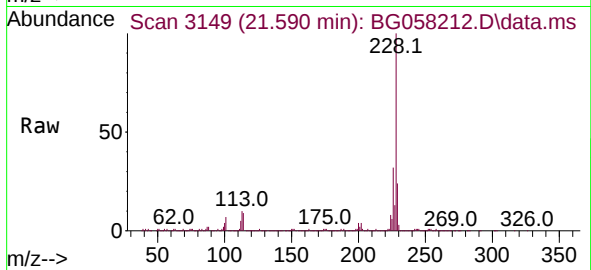
226 32.0 24.4 36.6

229 24.1 15.5 23.3

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Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/17/2023



#90

Benzo(b)fluoranthene

Concen: 43.777 ng/ul

RT: 23.699 min Scan# 3508

Delta R.T. 0.012 min

Lab File: BG058212.D

Acq: 14 Jul 2023 1:06

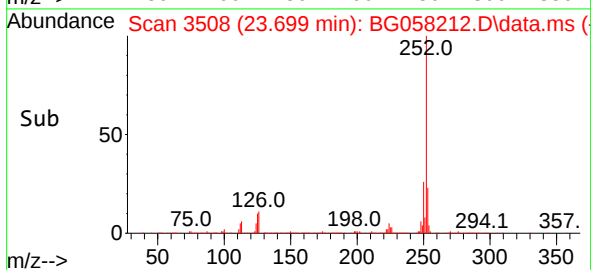
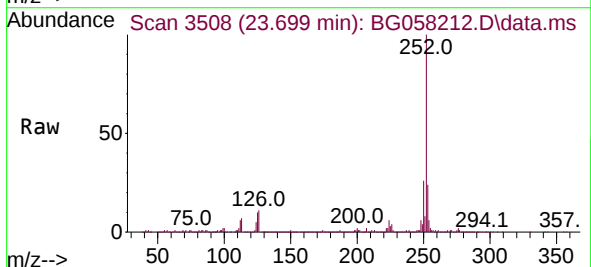
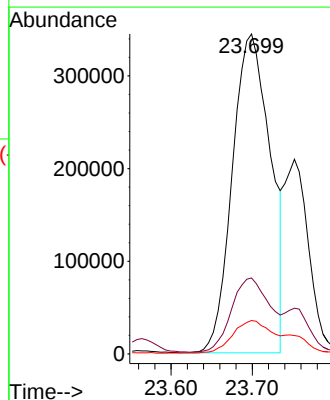
Tgt Ion:252 Resp: 1121867

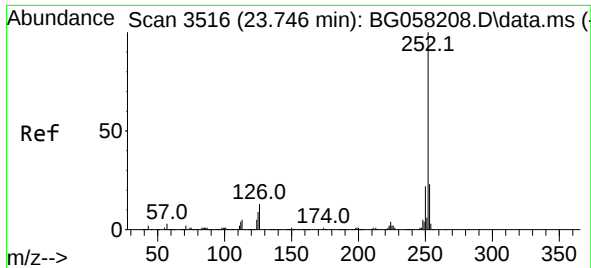
Ion Ratio Lower Upper

252 100

253 23.8 18.1 27.1

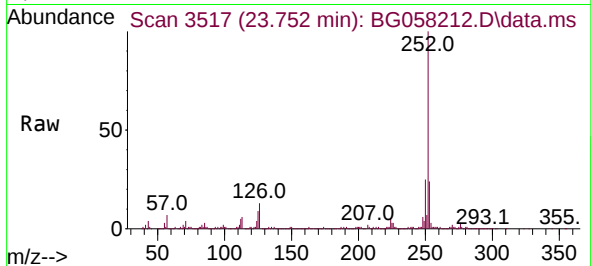
125 10.4 7.5 11.3





#91
Benzo(k)fluoranthene
Concen: 17.327 ng/ul m
RT: 23.752 min Scan# 3516
Delta R.T. 0.000 min
Lab File: BG058212.D
Acq: 14 Jul 2023 1:06

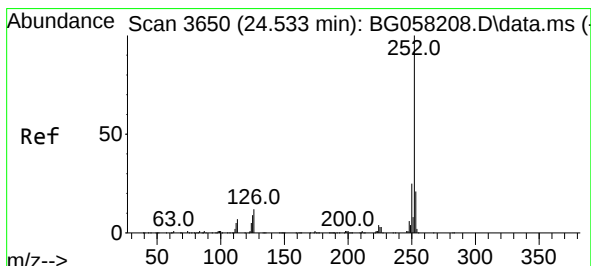
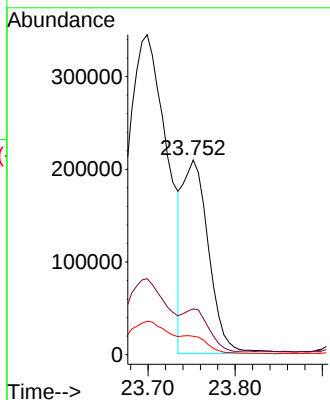
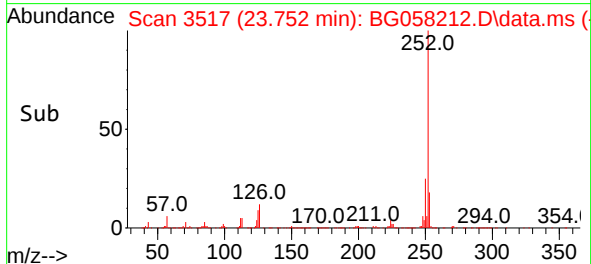
Instrument :
BNA_G
ClientSampleId :
A46E6



Tgt Ion:252 Resp: 435232
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 9.4 7.4 11.2

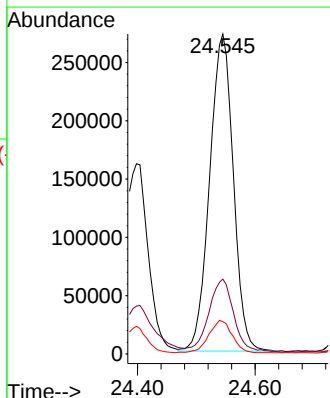
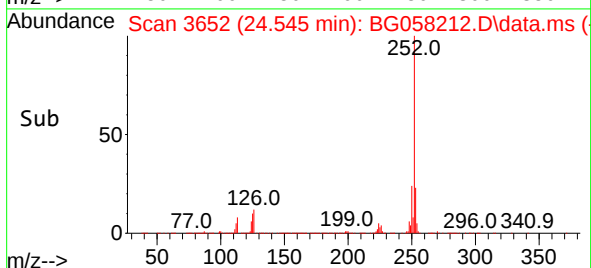
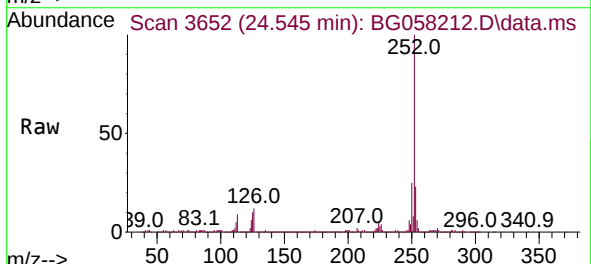
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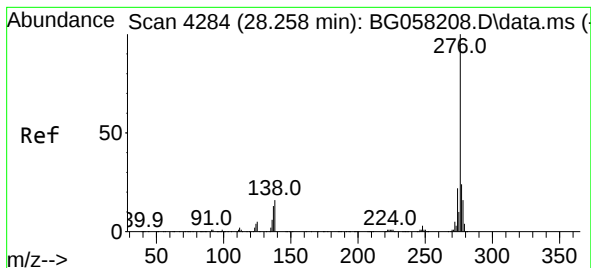
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/17/2023



#93
Benzo(a)pyrene
Concen: 33.493 ng/ul
RT: 24.545 min Scan# 3652
Delta R.T. 0.006 min
Lab File: BG058212.D
Acq: 14 Jul 2023 1:06

Tgt Ion:252 Resp: 759683
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 10.1 8.3 12.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 18.674 ng/ul

RT: 28.276 min Scan# 4287

Delta R.T. 0.006 min

Lab File: BG058212.D

Acq: 14 Jul 2023 1:06

Instrument :

BNA_G

ClientSampleId :

A46E6

Tgt Ion:276 Resp: 56246

Ion Ratio Lower Upper

276 100

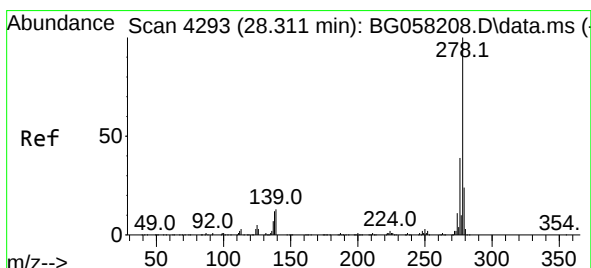
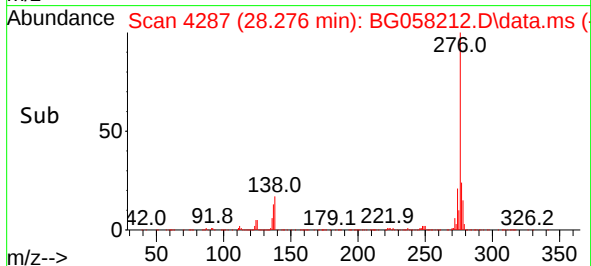
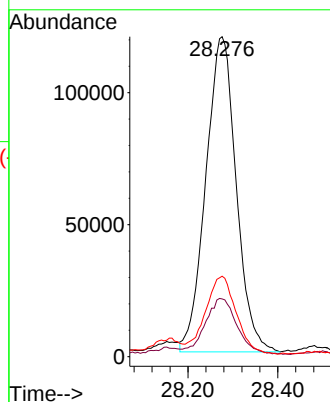
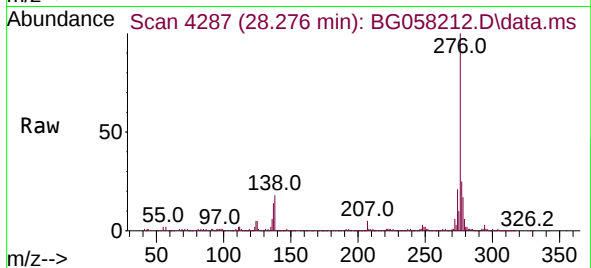
138 18.0 14.0 21.0

277 25.1 19.4 29.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/17/2023



#95

Dibenzo(a,h)anthracene

Concen: 6.271 ng/ul

RT: 28.317 min Scan# 4294

Delta R.T. -0.006 min

Lab File: BG058212.D

Acq: 14 Jul 2023 1:06

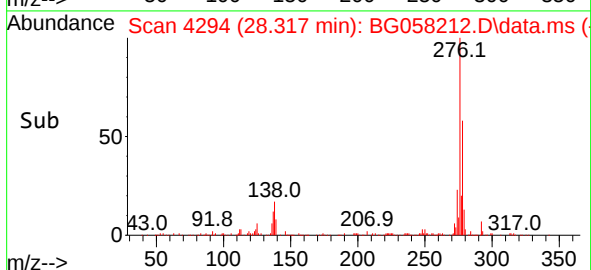
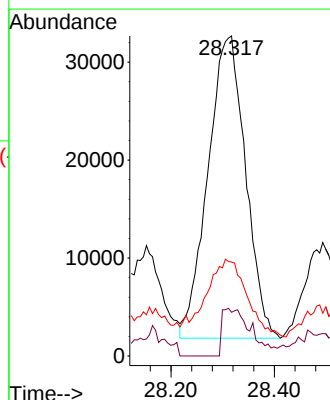
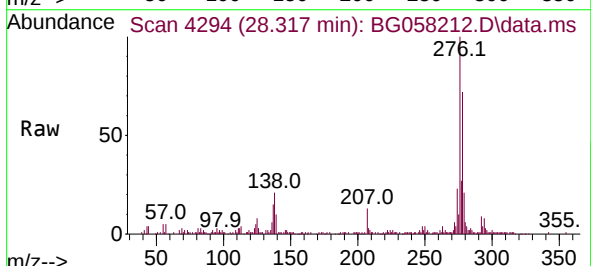
Tgt Ion:278 Resp: 155755

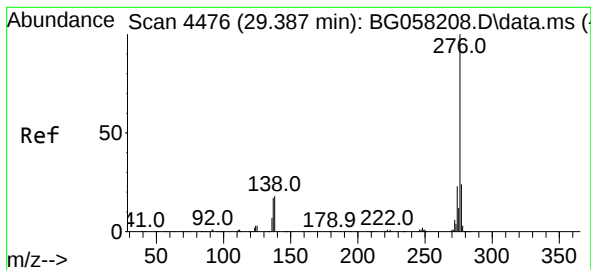
Ion Ratio Lower Upper

278 100

139 13.7 11.3 16.9

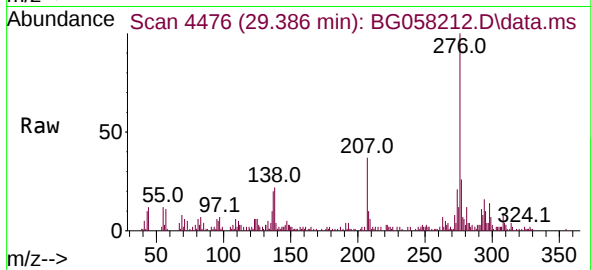
279 29.4 18.9 28.3#





#96
 Benzo(g,h,i)perylene
 Concen: 3.342 ng/ul m
 RT: 29.386 min Scan# 44
 Delta R.T. -0.006 min
 Lab File: BG058212.D
 Acq: 14 Jul 2023 1:06

Instrument :
 BNA_G
 ClientSampleId :
 A46E6



Tgt Ion: 276 Resp: 8221
 Ion Ratio Lower Upper
 276 100
 138 22.2 14.2 21.2
 277 25.8 18.6 27.8

Manual Integrations
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Reviewed By :Jagrut Upadhyay 07/15/2023
 Supervised By :mohammad ahmed 07/17/2023

