

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072123\
 Data File : BG058384.D
 Acq On : 21 Jul 2023 12:29
 Operator : CG/JU
 Sample : 03504-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A46W4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/22/2023
 Supervised By :mohammad ahmed 07/22/2023

Quant Time: Jul 21 22:25:08 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	40365	20.000	ng/u1	0.00
20) Naphthalene-d8	10.696	136	173340	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.533	164	121925	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.276	188	285660	20.000	ng/u1	0.00
79) Chrysene-d12	21.530	240	237132	20.000	ng/u1	0.00
88) Perylene-d12	24.662	264	285267	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.340	96	1781	1.624	ng/uL	0.00
4) Pyridine-d5	3.745	84	29029	8.918	ng/u1	0.00
7) Phenol-d5	7.059	99	31491	8.224	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.218	67	23536	9.834	ng/u1	0.00
11) 2-Chlorophenol-d4	7.429	132	24506	9.143	ng/u1	0.00
15) 4-Methylphenol-d8	8.610	113	2545	0.871	ng/u1	0.00
21) Nitrobenzene-d5	9.057	128	13491	10.383	ng/u1	0.00
24) 2-Nitrophenol-d4	9.779	143	15139	10.673	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.320	165	23083	8.489	ng/u1	0.00
31) 4-Chloroaniline-d4	10.860	131	417	0.106	ng/u1	0.02
46) Dimethylphthalate-d6	13.933	166	96874	10.304	ng/u1	0.00
49) Acenaphthylene-d8	14.221	160	103166	10.471	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.750	143	7905	5.567	ng/u1	0.01
60) Fluorene-d10	15.520	176	90616	11.641	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.649	200	9943	6.832	ng/u1	0.00
73) Anthracene-d10	17.370	188	118362	9.589	ng/u1	-0.01
81) Pyrene-d10	19.662	212	112967	8.066	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.439	264	57772	4.190	ng/u1	-0.01
Target Compounds					Qvalue	
6) Benzaldehyde	7.035	77	1684	1.089	ng/u1	90
8) Phenol	7.088	94	4580m	1.152	ng/u1	
16) Acetophenone	8.716	105	17221	3.462	ng/u1	97
30) Naphthalene	10.743	128	20698	2.234	ng/u1	98
36) 2-Methylnaphthalene	12.359	142	6642	1.070	ng/u1	96
52) Acenaphthene	14.597	153	33615	4.552	ng/u1	97
56) Dibenzofuran	14.926	168	28290	2.691	ng/u1	99
61) Fluorene	15.578	166	37151	4.309	ng/u1	98
72) Phenanthrene	17.318	178	564723	41.599	ng/u1	98
74) Anthracene	17.406	178	83815	6.150	ng/u1	97
77) Carbazole	17.676	167	32921	2.787	ng/u1	99
80) Fluoranthene	19.333	202	735095	45.814	ng/u1	98
82) Pyrene	19.691	202	413440	25.431	ng/u1	98
85) Benzo(a)anthracene	21.507	228	305251	19.151	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.407	149	27021	2.968	ng/u1	99
87) Chrysene	21.571	228	294093	19.453	ng/u1	97
90) Benzo(b)fluoranthene	23.663	252	357423	21.655	ng/u1#	98
91) Benzo(k)fluoranthene	23.722	252	122477m	7.440	ng/u1	
93) Benzo(a)pyrene	24.503	252	73707	5.021	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.211	276	91228m	4.717	ng/u1	
95) Dibenzo(a,h)anthracene	28.258	278	40903	2.579	ng/u1	97

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

Instrument :

BNA_G

ClientSampleId :

A46W4

Manual Integrations

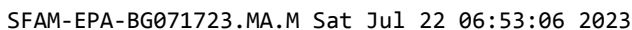
APPROVED

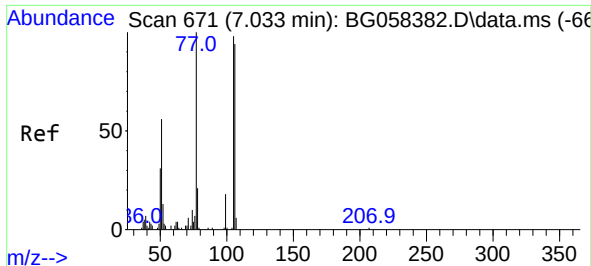
Reviewed By :Yogesh Patel 07/22/2023

Supervised By :mohammad ahmed 07/22/2023

Manual Integrations APPROVED

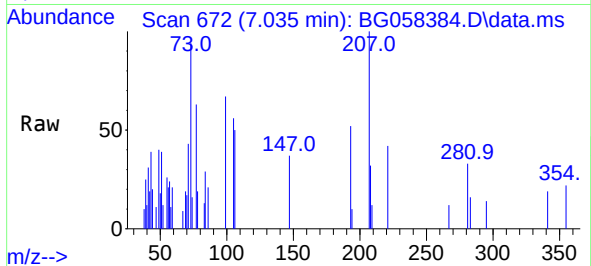
Quant Time: Jul 21 22:25:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 18 02:19:39 2023
Response via : Initial Calibration





#6
Benzaldehyde
Concen: 1.089 ng/ul
RT: 7.035 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG058384.D
Acq: 21 Jul 2023 12:29

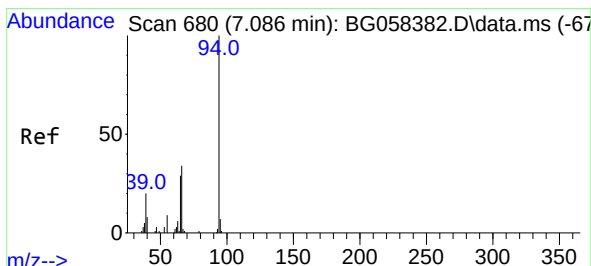
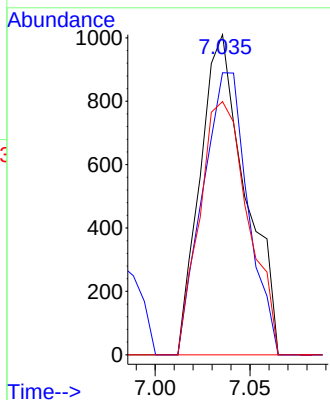
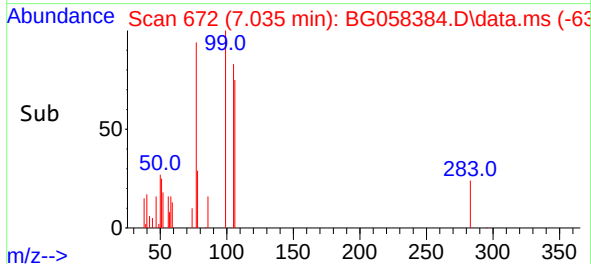
Instrument :
BNA_G
ClientSampleId :
A46W4



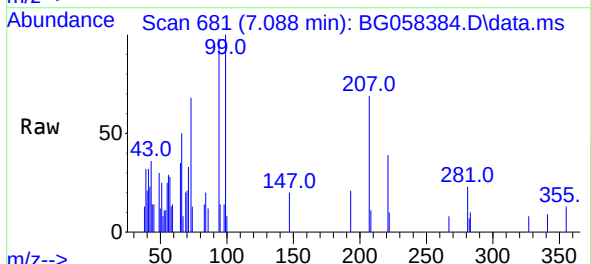
Tgt Ion: 77 Resp: 1684
Ion Ratio Lower Upper
77 100
105 88.1 78.2 117.4
106 79.1 71.6 107.4

Manual Integrations
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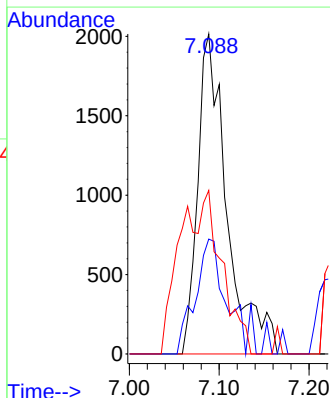
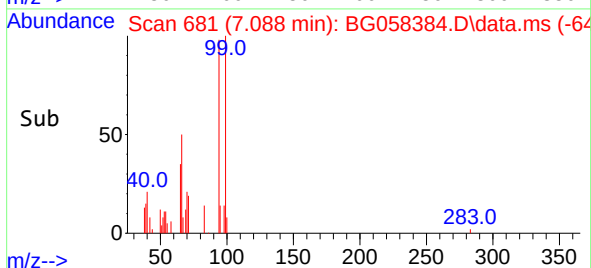
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

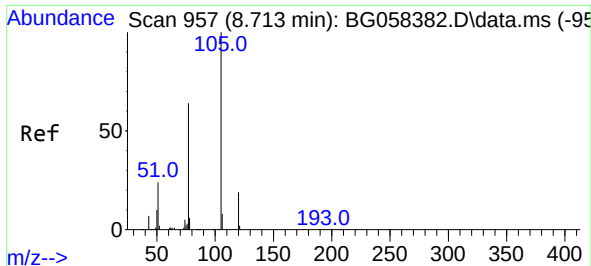


#8
Phenol
Concen: 1.152 ng/ul m
RT: 7.088 min Scan# 681
Delta R.T. 0.000 min
Lab File: BG058384.D
Acq: 21 Jul 2023 12:29



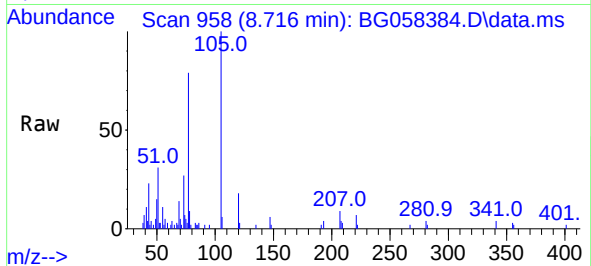
Tgt Ion: 94 Resp: 4580
Ion Ratio Lower Upper
94 100
65 35.9 23.8 35.8#
66 51.1 31.2 46.8#





#16
Acetophenone
Concen: 3.462 ng/ul
RT: 8.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG058384.D
Acq: 21 Jul 2023 12:29

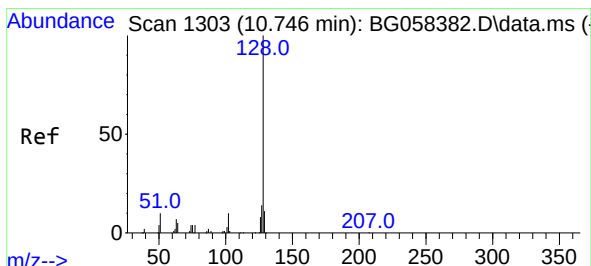
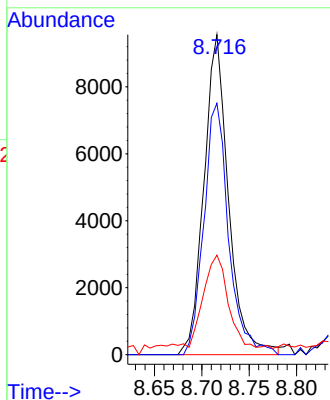
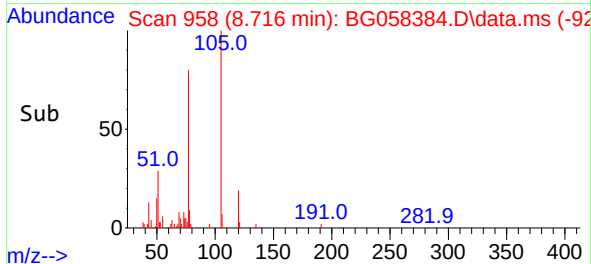
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:105 Resp: 1722
Ion Ratio Lower Upper
105 100
77 78.5 60.7 91.1
51 31.1 23.5 35.3

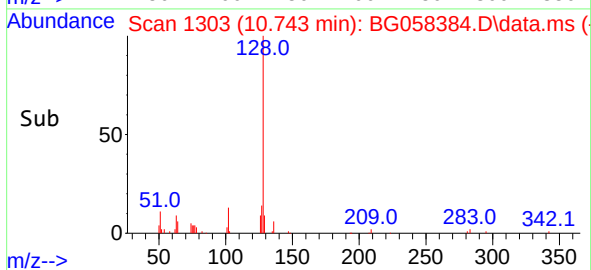
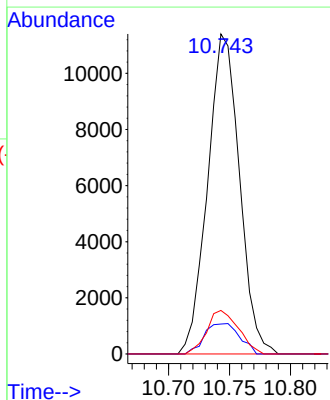
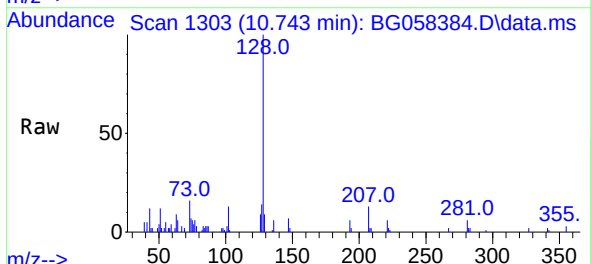
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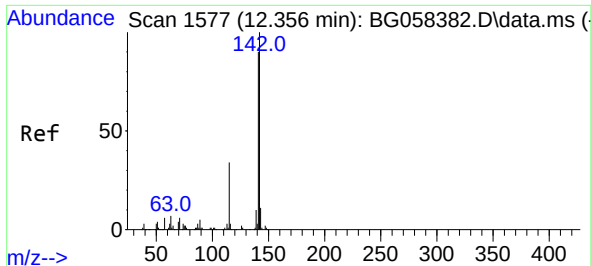
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#30
Naphthalene
Concen: 2.234 ng/ul
RT: 10.743 min Scan# 1303
Delta R.T. -0.011 min
Lab File: BG058384.D
Acq: 21 Jul 2023 12:29

Tgt Ion:128 Resp: 20698
Ion Ratio Lower Upper
128 100
129 9.4 8.8 13.2
127 13.6 10.8 16.2





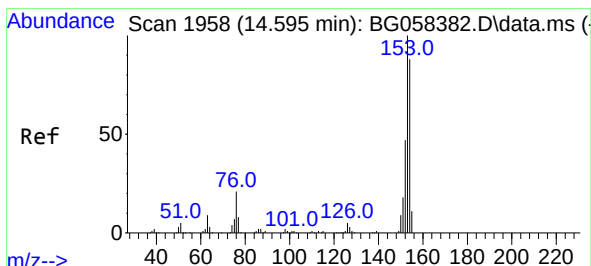
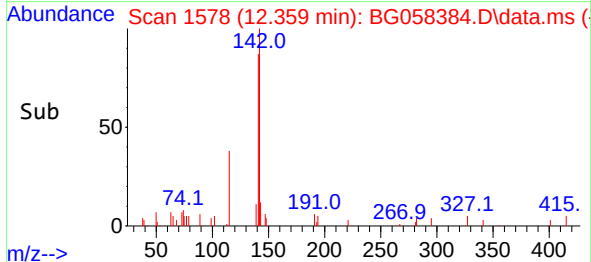
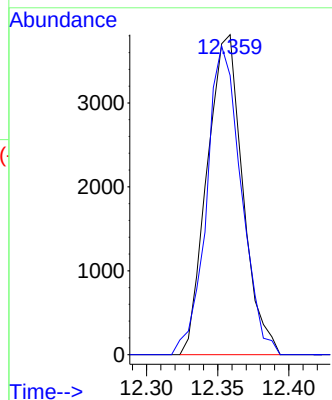
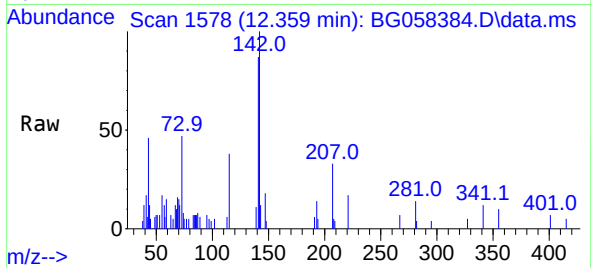
#36
2-Methylnaphthalene
Concen: 1.070 ng/ul
RT: 12.359 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG058384.D
Acq: 21 Jul 2023 12:29

Instrument :
BNA_G
ClientSampleId :
A46W4

Tgt Ion:142 Resp: 664
Ion Ratio Lower Upper
142 100
141 87.2 72.6 108.8

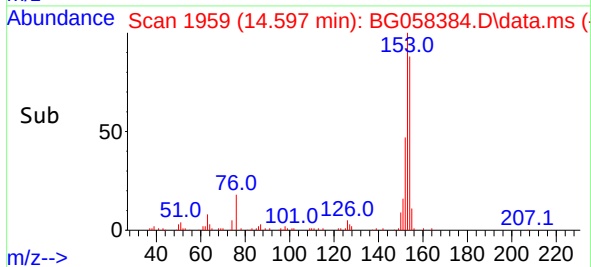
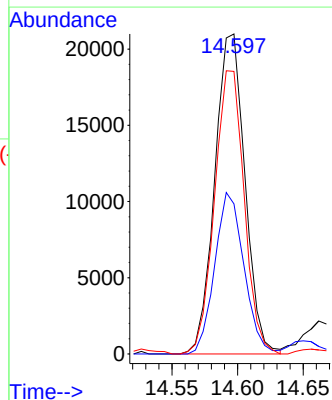
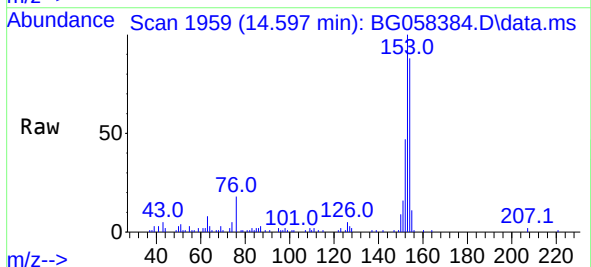
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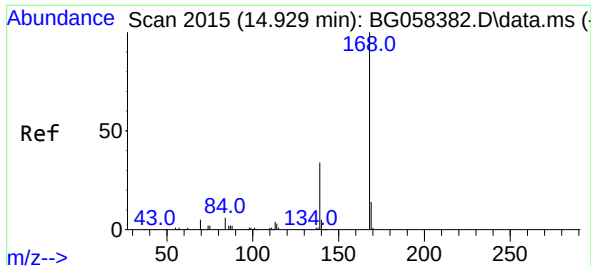
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#52
Acenaphthene
Concen: 4.552 ng/ul
RT: 14.597 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BG058384.D
Acq: 21 Jul 2023 12:29

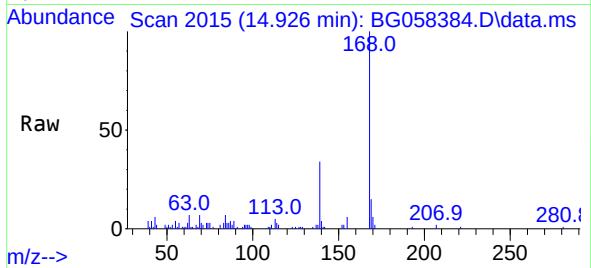
Tgt Ion:153 Resp: 33615
Ion Ratio Lower Upper
153 100
152 46.9 39.1 58.7
154 88.3 68.7 103.1





#56
Dibenzenofuran
Concen: 2.691 ng/ul
RT: 14.926 min Scan# 2015
Delta R.T. -0.011 min
Lab File: BG058384.D
Acq: 21 Jul 2023 12:29

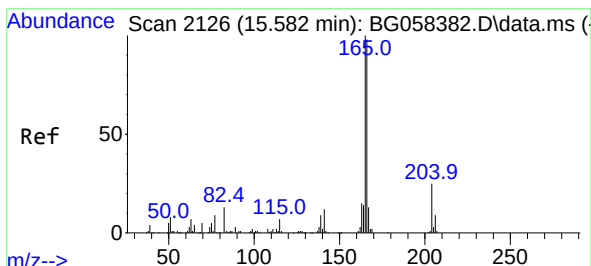
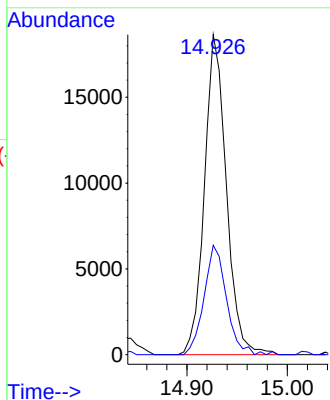
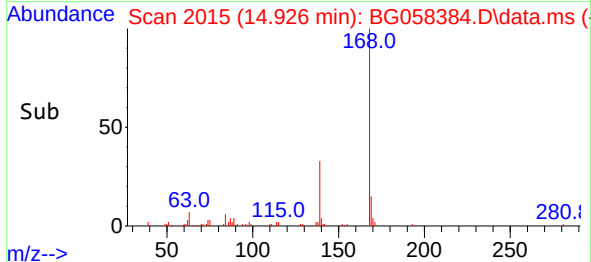
Instrument :
BNA_G
ClientSampleId :
A46W4



Tgt Ion:168 Resp: 28290
Ion Ratio Lower Upper
168 100
139 34.2 27.8 41.8

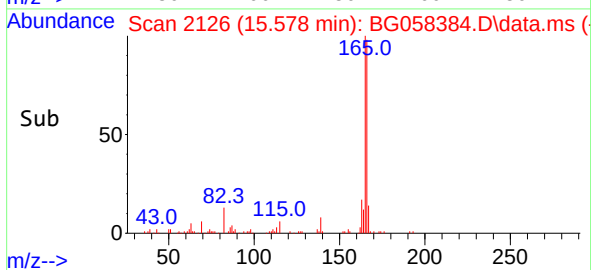
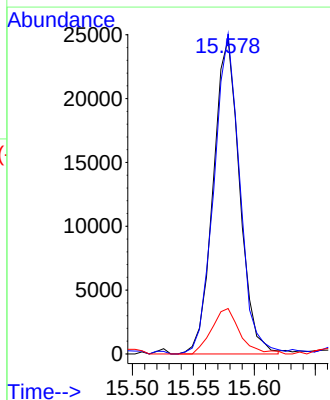
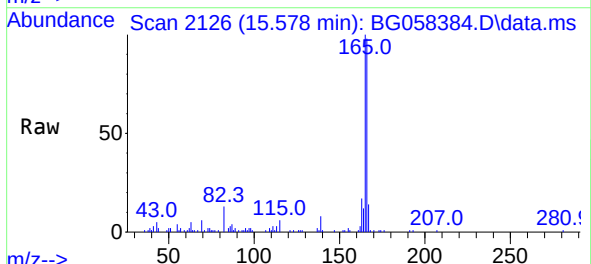
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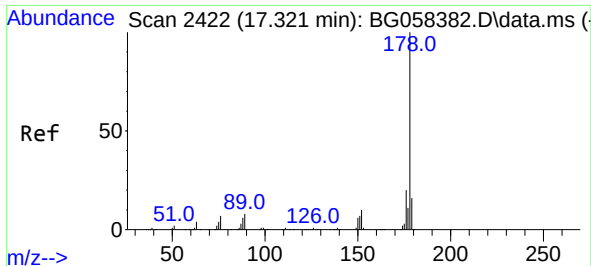
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#61
Fluorene
Concen: 4.309 ng/ul
RT: 15.578 min Scan# 2126
Delta R.T. -0.005 min
Lab File: BG058384.D
Acq: 21 Jul 2023 12:29

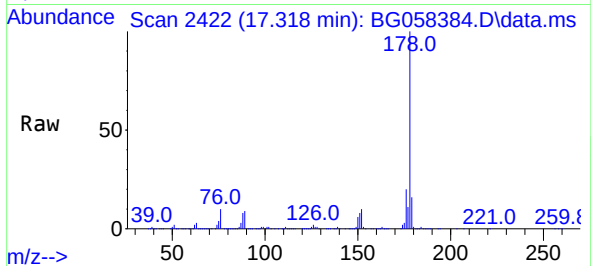
Tgt Ion:166 Resp: 37151
Ion Ratio Lower Upper
166 100
165 101.6 80.2 120.2
167 14.4 10.5 15.7





#72
Phenanthrene
Concen: 41.599 ng/ul
RT: 17.318 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BG058384.D
Acq: 21 Jul 2023 12:29

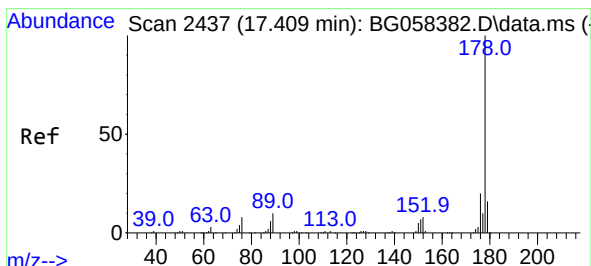
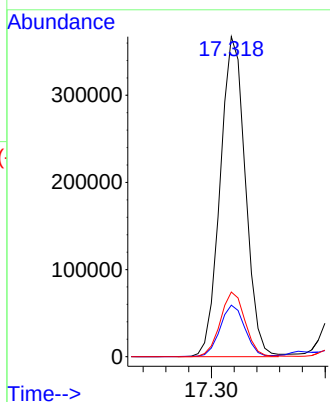
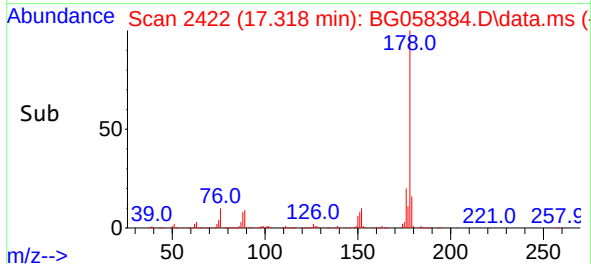
Instrument :
BNA_G
ClientSampleId :
A46W4



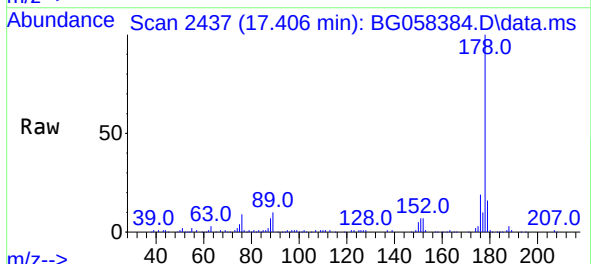
Tgt Ion:178 Resp: 56472
Ion Ratio Lower Upper
178 100
179 16.1 11.9 17.9
176 20.2 15.8 23.8

Manual Integrations
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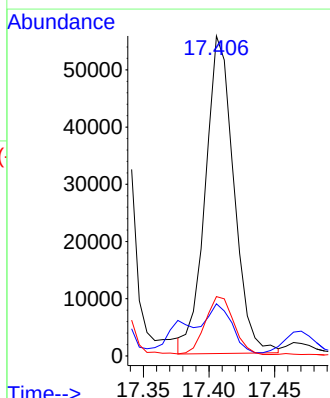
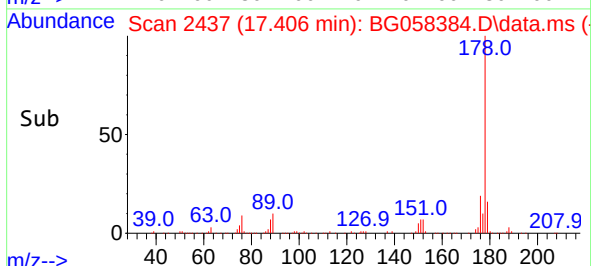
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

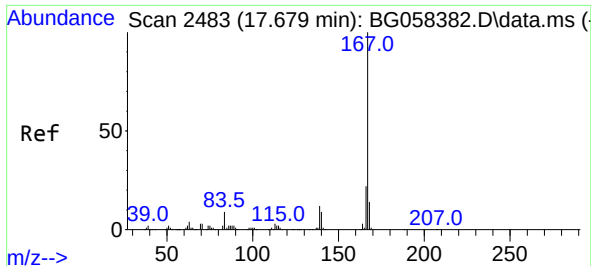


#74
Anthracene
Concen: 6.150 ng/ul
RT: 17.406 min Scan# 2437
Delta R.T. -0.011 min
Lab File: BG058384.D
Acq: 21 Jul 2023 12:29



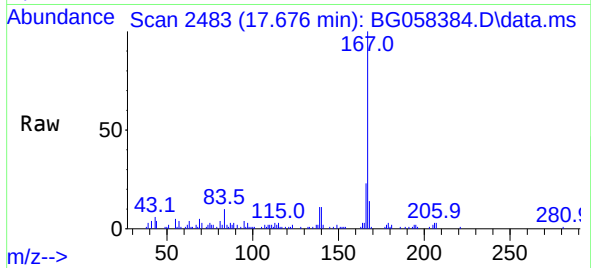
Tgt Ion:178 Resp: 83815
Ion Ratio Lower Upper
178 100
179 16.3 13.4 20.2
176 18.5 16.2 24.2





#77
 Carbazole
 Concen: 2.787 ng/ul
 RT: 17.676 min Scan# 2483
 Delta R.T. -0.006 min
 Lab File: BG058384.D
 Acq: 21 Jul 2023 12:29

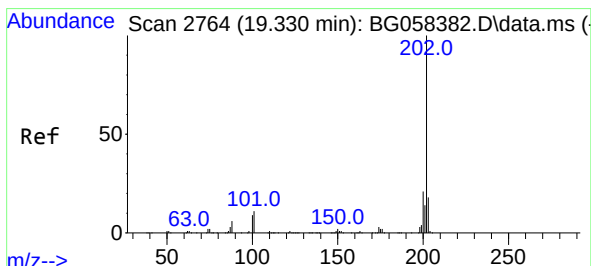
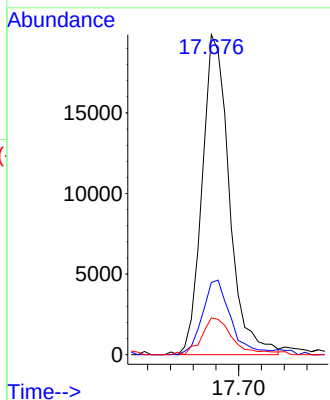
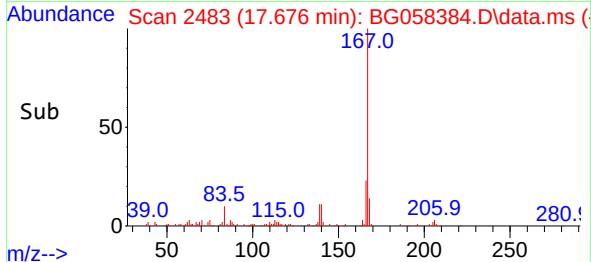
Instrument :
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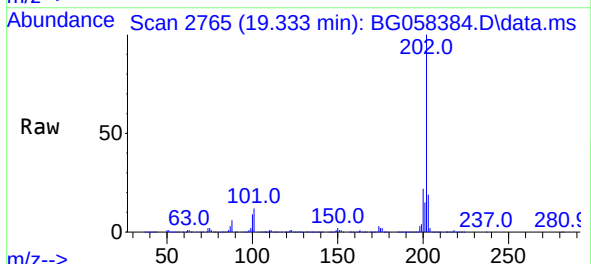
Tgt Ion:167 Resp: 3292
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.8 26.8
 139 11.5 9.4 14.0

Manual Integrations
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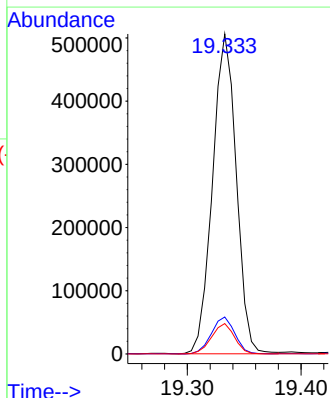
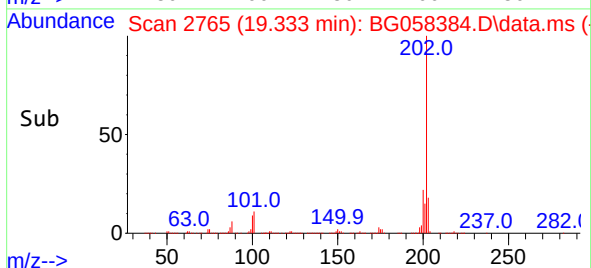
Reviewed By :Yogesh Patel 07/22/2023
 Supervised By :mohammad ahmed 07/22/2023

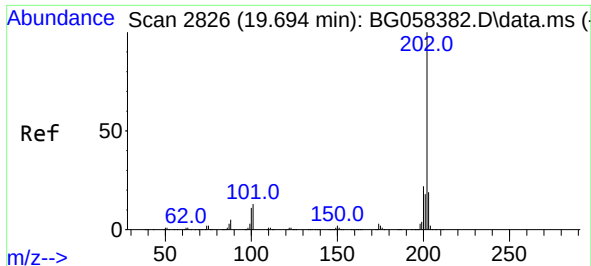


#80
 Fluoranthene
 Concen: 45.814 ng/ul
 RT: 19.333 min Scan# 2765
 Delta R.T. 0.000 min
 Lab File: BG058384.D
 Acq: 21 Jul 2023 12:29



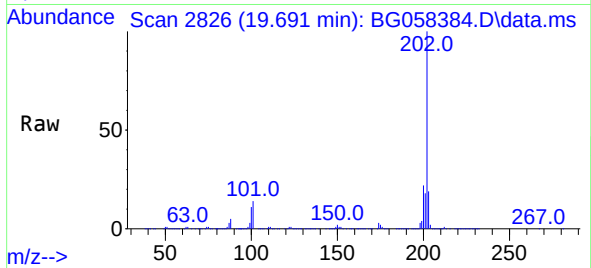
Tgt Ion:202 Resp: 735095
 Ion Ratio Lower Upper
 202 100
 101 11.6 8.6 12.8
 100 9.5 7.2 10.8





#82
Pyrene
Concen: 25.431 ng/ul
RT: 19.691 min Scan# 2826
Delta R.T. -0.006 min
Lab File: BG058384.D
Acq: 21 Jul 2023 12:29

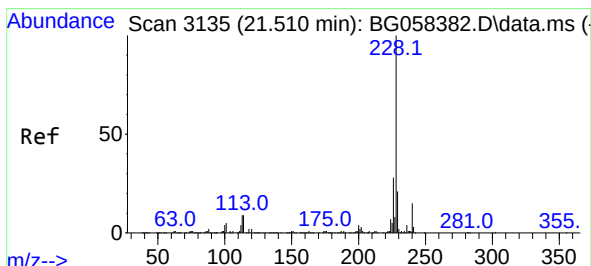
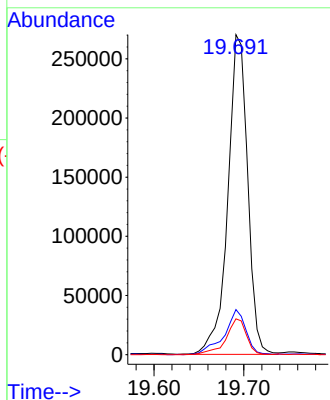
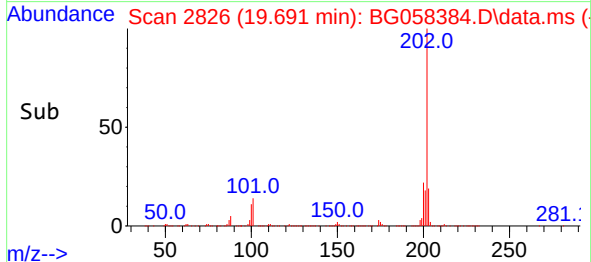
Instrument :
BNA_G
ClientSampleId :
A46W4



Tgt Ion:202 Resp: 413440
Ion Ratio Lower Upper
202 100
101 14.1 10.2 15.2
100 11.2 8.9 13.3

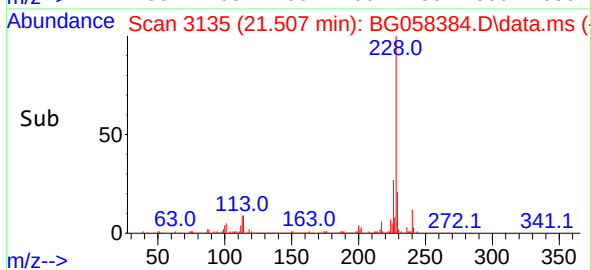
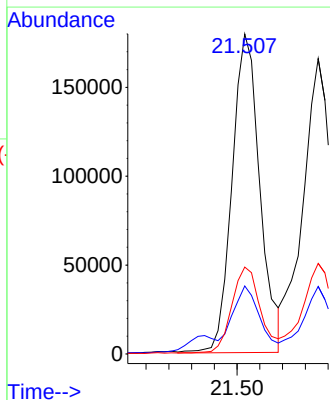
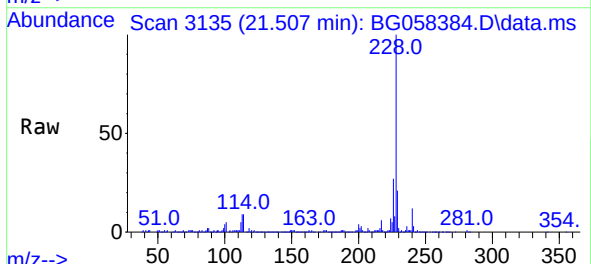
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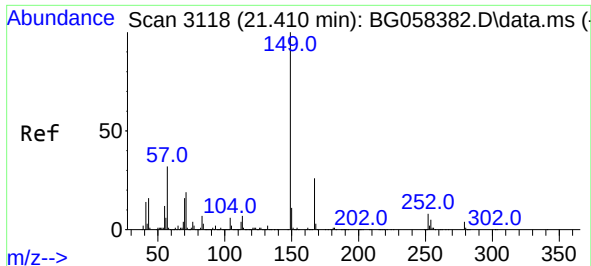
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#85
Benzo(a)anthracene
Concen: 19.151 ng/ul
RT: 21.507 min Scan# 3135
Delta R.T. -0.006 min
Lab File: BG058384.D
Acq: 21 Jul 2023 12:29

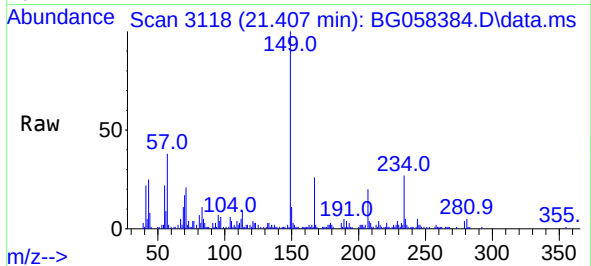
Tgt Ion:228 Resp: 305251
Ion Ratio Lower Upper
228 100
229 21.2 15.7 23.5
226 27.1 21.8 32.8





#86
 Bis(2-ethylhexyl)phthalate
 Concen: 2.968 ng/ul
 RT: 21.407 min Scan# 3118
 Delta R.T. -0.006 min
 Lab File: BG058384.D
 Acq: 21 Jul 2023 12:29

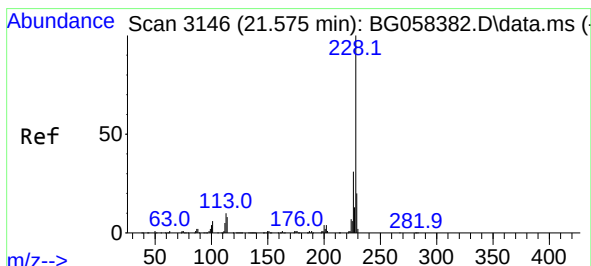
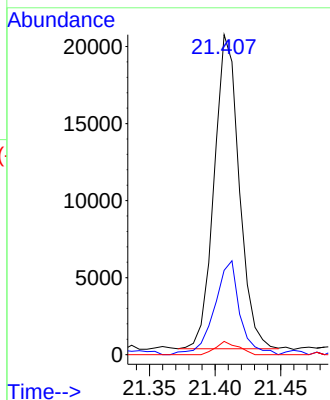
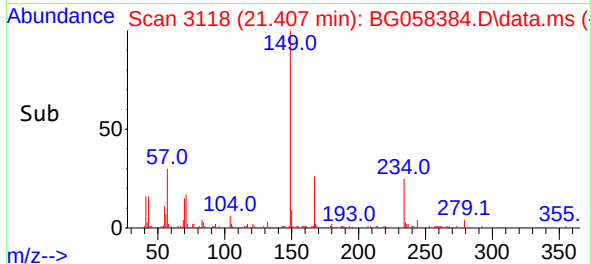
Instrument :
 BNA_G
 ClientSampleId :
 A46W4



Tgt Ion:149 Resp: 2702
 Ion Ratio Lower Upper
 149 100
 167 26.3 21.6 32.4
 279 4.2 3.0 4.4

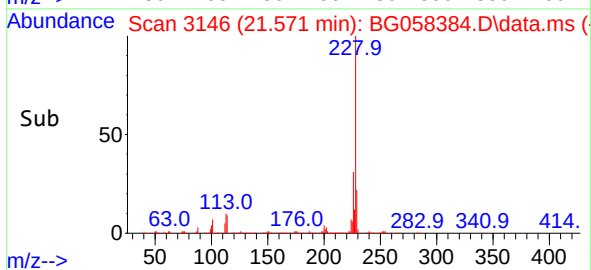
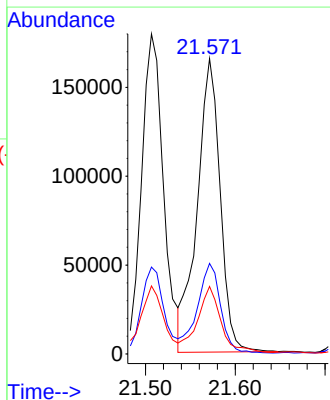
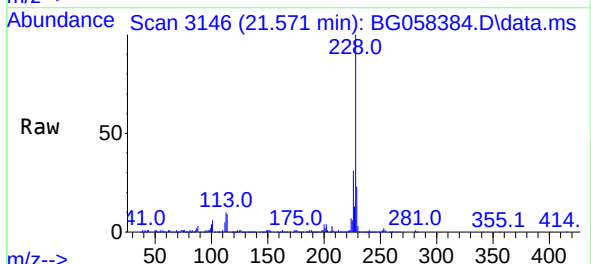
Manual Integrations
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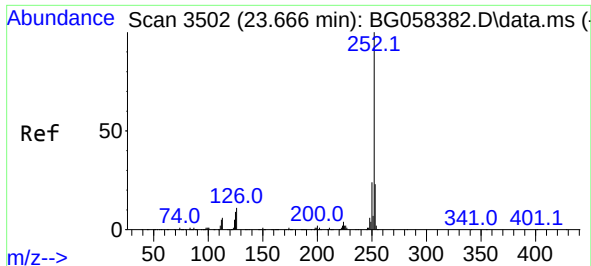
Reviewed By :Yogesh Patel 07/22/2023
 Supervised By :mohammad ahmed 07/22/2023



#87
 Chrysene
 Concen: 19.453 ng/ul
 RT: 21.571 min Scan# 3146
 Delta R.T. -0.006 min
 Lab File: BG058384.D
 Acq: 21 Jul 2023 12:29

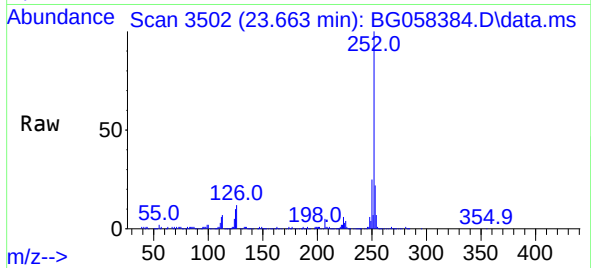
Tgt Ion:228 Resp: 294093
 Ion Ratio Lower Upper
 228 100
 226 30.7 24.0 36.0
 229 22.8 15.8 23.8





#90
Benzo(b)fluoranthene
Concen: 21.655 ng/ul
RT: 23.663 min Scan# 3502
Delta R.T. -0.006 min
Lab File: BG058384.D
Acq: 21 Jul 2023 12:29

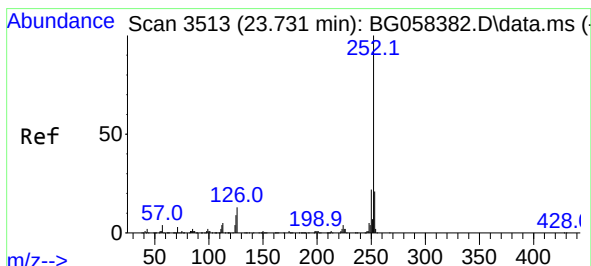
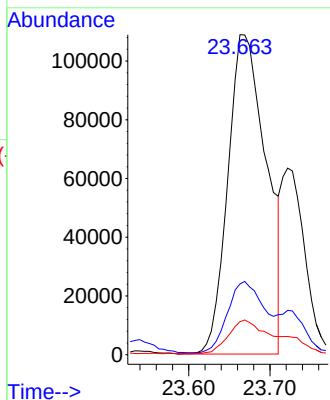
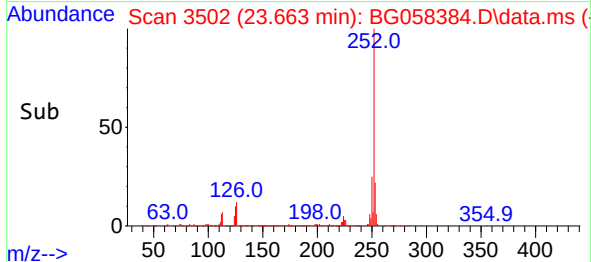
Instrument :
BNA_G
ClientSampleId :
A46W4



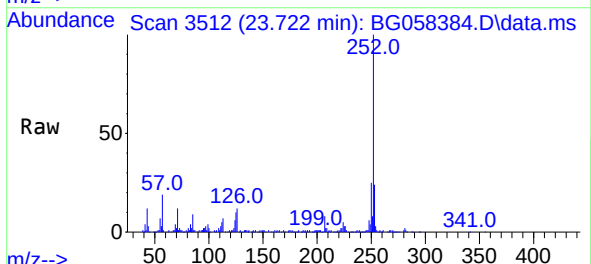
Tgt Ion:252 Resp: 35742
Ion Ratio Lower Upper
252 100
253 22.1 17.9 26.9
125 10.3 6.7 10.1

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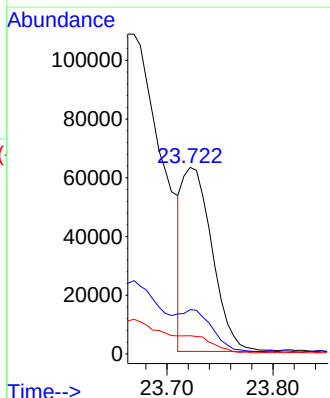
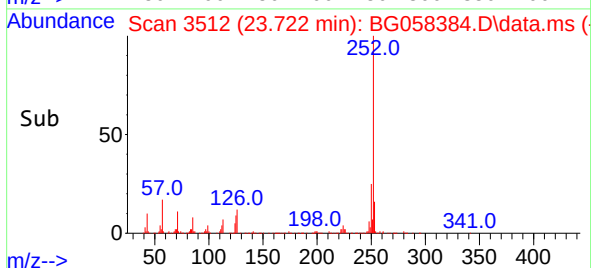
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

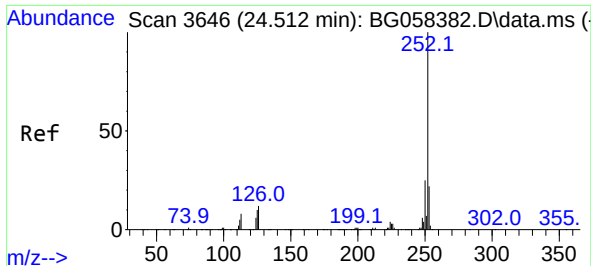


#91
Benzo(k)fluoranthene
Concen: 7.440 ng/ul m
RT: 23.722 min Scan# 3512
Delta R.T. -0.011 min
Lab File: BG058384.D
Acq: 21 Jul 2023 12:29



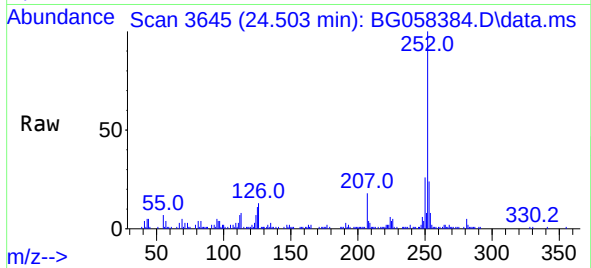
Tgt Ion:252 Resp: 122477
Ion Ratio Lower Upper
252 100
253 23.8 18.3 27.5
125 9.8 7.4 11.0





#93
Benzo(a)pyrene
Concen: 5.021 ng/ul
RT: 24.503 min Scan# 30
Delta R.T. -0.017 min
Lab File: BG058384.D
Acq: 21 Jul 2023 12:29

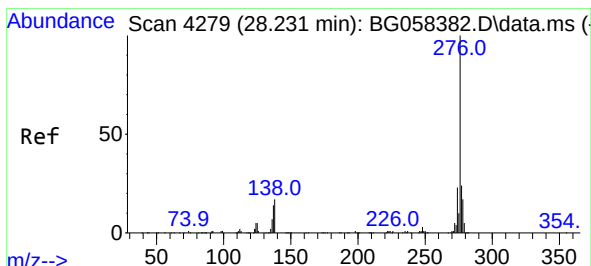
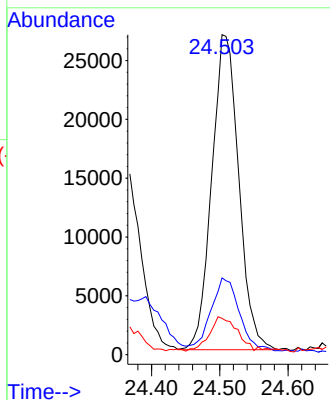
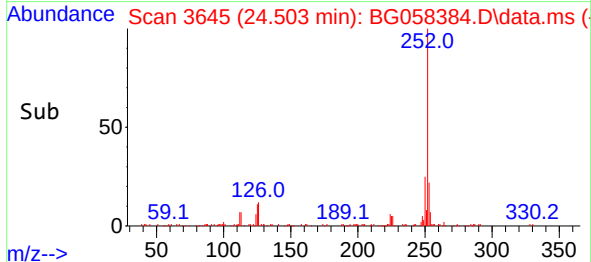
Instrument :
BNA_G
ClientSampleId :
A46W4



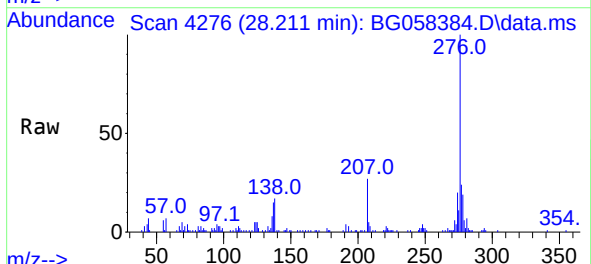
Tgt Ion:252 Resp: 7370
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 11.3 7.7 11.5

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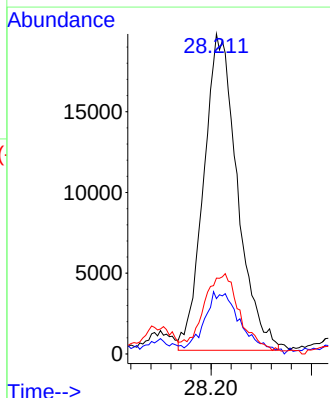
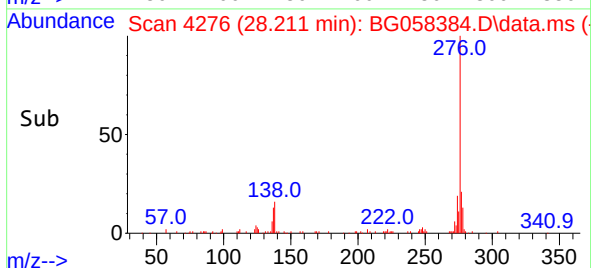
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

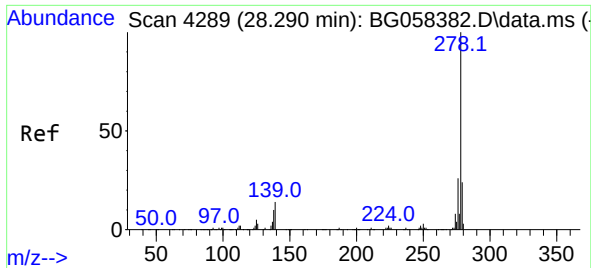


#94
Indeno(1,2,3-cd)pyrene
Concen: 4.717 ng/ul m
RT: 28.211 min Scan# 4276
Delta R.T. -0.017 min
Lab File: BG058384.D
Acq: 21 Jul 2023 12:29



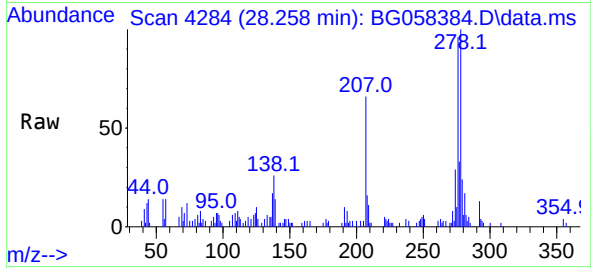
Tgt Ion:276 Resp: 91228
Ion Ratio Lower Upper
276 100
138 17.3 13.8 20.6
277 23.7 19.2 28.8





#95
 Dibenzo(a,h)anthracene
 Concen: 2.579 ng/ul
 RT: 28.258 min Scan# 41
 Delta R.T. -0.035 min
 Lab File: BG058384.D
 Acq: 21 Jul 2023 12:29

Instrument :
 BNA_G
 ClientSampleId :
 A46W4



Tgt Ion:278 Resp: 4090

Ion	Ratio	Lower	Upper
278	100		
139	14.2	10.4	15.6
279	24.1	18.4	27.6

Manual Integrations
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Reviewed By :Yogesh Patel 07/22/2023
 Supervised By :mohammad ahmed 07/22/2023

