

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071023\
 Data File : BG058140.D
 Acq On : 10 Jul 2023 13:36
 Operator : CG/JU
 Sample : 03385-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EX7X7

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/11/2023
 Supervised By :mohammad ahmed 07/11/2023

Quant Time: Jul 11 02:11:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 10 16:52:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	106025	20.000	ng/u1	0.00
20) Naphthalene-d8	10.813	136	404520	20.000	ng/u1	0.04
38) Acenaphthene-d10	14.615	164	283168	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.382	188	416843	20.000	ng/u1	0.04
79) Chrysene-d12	21.677	240	313974	20.000	ng/u1	0.08
88) Perylene-d12	24.926	264	590930m	20.000	ng/u1	0.14
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.410	96	1504	0.497	ng/uL	0.01
4) Pyridine-d5	3.816	84	24834	2.702	ng/u1	0.00
7) Phenol-d5	7.135	99	68416	6.319	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.300	67	40700	6.237	ng/u1	0.00
11) 2-Chlorophenol-d4	7.506	132	47459	6.355	ng/u1	0.00
15) 4-Methylphenol-d8	8.675	113	52383	6.412	ng/u1	0.00
21) Nitrobenzene-d5	9.139	128	26708	8.101	ng/u1	0.00
24) 2-Nitrophenol-d4	9.868	143	29335	8.466	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.426	165	54240	8.160	ng/u1	0.03
31) 4-Chloroaniline-d4	10.931	131	45605m	4.525	ng/u1	0.02
46) Dimethylphthalate-d6	14.027	166	164975	7.384	ng/u1	0.02
49) Acenaphthylene-d8	14.303	160	185823	7.622	ng/u1	0.00
54) 4-Nitrophenol-d4	14.838	143	23969m	6.072	ng/u1	0.04
60) Fluorene-d10	15.608	176	143352	7.555	ng/u1	0.02
65) 4,6-Dinitro-2-methylph...	15.819	200	6898m	3.048	ng/u1	0.11
73) Anthracene-d10	17.529	188	165106	8.536	ng/u1	0.09
81) Pyrene-d10	19.762	212	190029	9.610	ng/u1	0.04
92) Benzo(a)pyrene-d12	24.709	264	231425m	7.687	ng/u1	0.14
Target Compounds						
					Qvalue	
13) 2-Methylphenol	8.416	108	10431	1.209	ng/u1	92
16) Acetophenone	8.804	105	15535	1.146	ng/u1	96
18) 4-Methylphenol	8.745	108	15593	1.671	ng/u1	88
26) 2,4-Dimethylphenol	9.956	107	63939	7.647	ng/u1	96
30) Naphthalene	10.913	128	16407762	721.754	ng/u1#	74
36) 2-Methylnaphthalene	12.488	142	7495115	489.096	ng/u1	94
37) 1-Methylnaphthalene	12.694	142	4333999	282.028	ng/u1#	99
43) 1,1'-Biphenyl	13.457	154	3439626	168.557	ng/u1#	91
50) Acenaphthylene	14.333	152	109036	4.141	ng/u1#	47
52) Acenaphthene	14.732	153	8285144	458.597	ng/u1#	91
56) Dibenzofuran	15.056	168	9024647	351.406	ng/u1#	70
61) Fluorene	15.714	166	8730845	414.339	ng/u1#	98
72) Phenanthrene	17.512	178	22034895m	1039.210	ng/u1	
74) Anthracene	17.582	178	9551239m	445.134	ng/u1	
77) Carbazole	17.805	167	5998782	309.125	ng/u1#	85
80) Fluoranthene	19.503	202	18044375m	787.506	ng/u1	
82) Pyrene	19.856	202	14555414	631.071	ng/u1#	89
85) Benzo(a)anthracene	21.660	228	10884397	482.812	ng/u1#	73
87) Chrysene	21.742	228	8237180	389.774	ng/u1#	70
90) Benzo(b)fluoranthene	23.939	252	14544975m	397.524	ng/u1	
91) Benzo(k)fluoranthene	23.986	252	3899384m	108.729	ng/u1	
93) Benzo(a)pyrene	24.844	252	11853808m	366.028	ng/u1	
94) Indeno(1,2,3-cd)pyrene	28.728	276	7803822m	181.465	ng/u1	
95) Dibenzo(a,h)anthracene	28.740	278	2045545m	57.683	ng/u1	

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

96) Benzo(g,h,i)perylene	29.879	276	6555727m	186.637	ng/ul	

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

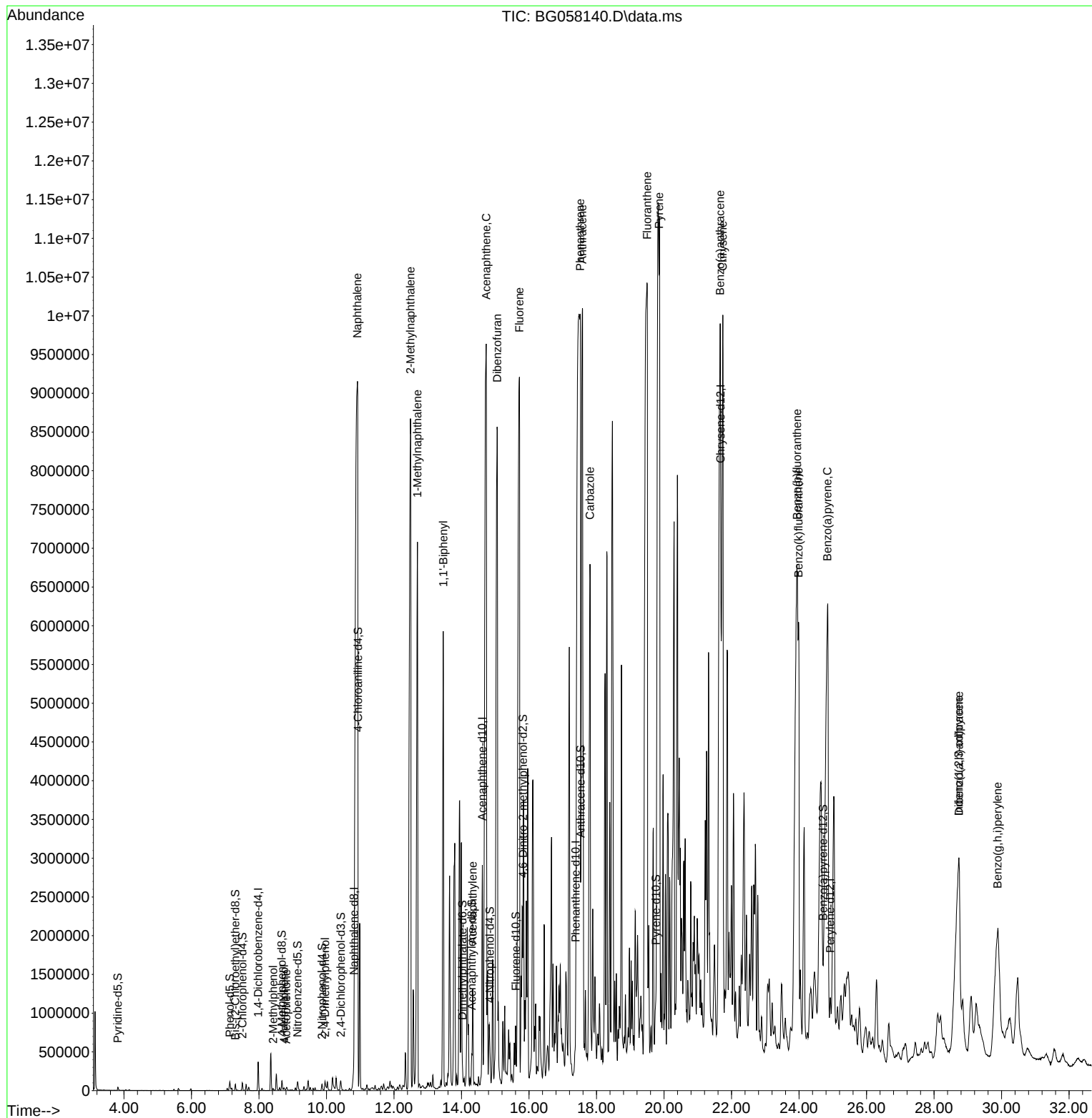
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071023\
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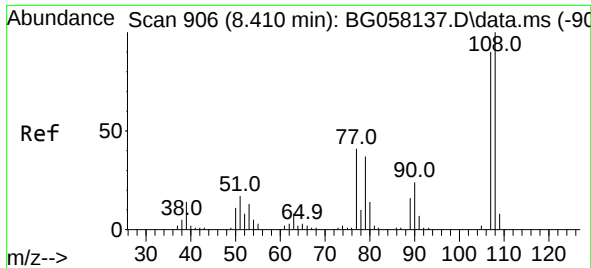
Instrument :
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Quant Time: Jul 11 02:11:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
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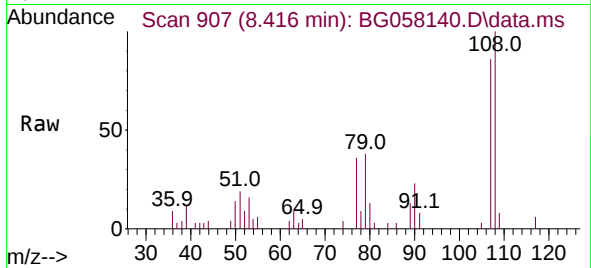
Reviewed By :Yogesh Patel 07/11/2023
 Supervised By :mohammad ahmed 07/11/2023





#13
2-Methylphenol
Concen: 1.209 ng/ul
RT: 8.416 min Scan# 906
Delta R.T. 0.006 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

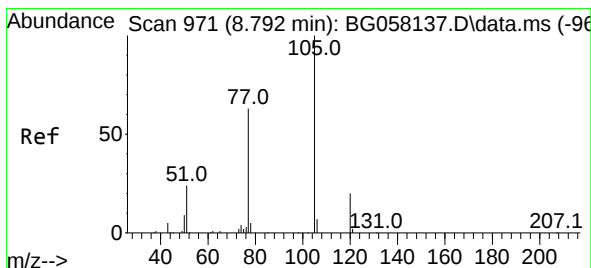
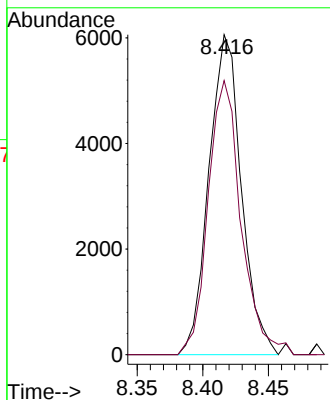
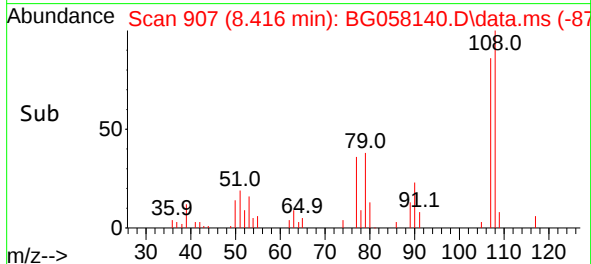
Instrument :
BNA_G
ClientSampleId :
EX7X7



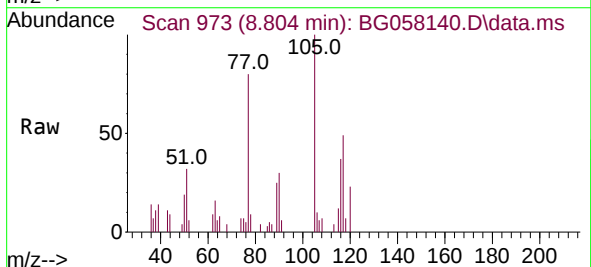
Tgt Ion:108 Resp: 1043
Ion Ratio Lower Upper
108 100
107 85.6 75.0 112.4

Manual Integrations
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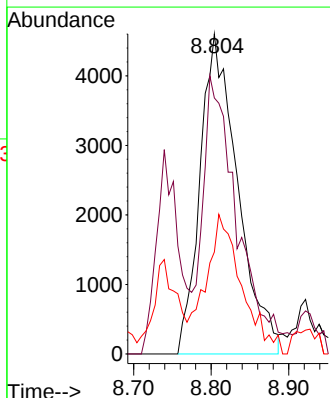
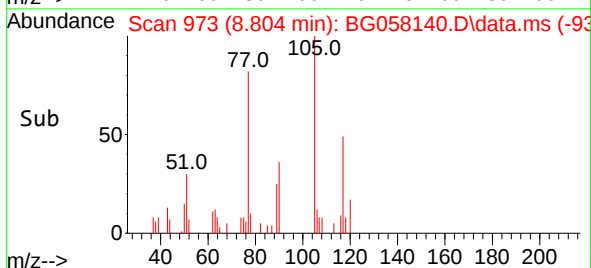
Reviewed By :Yogesh Patel 07/11/2023
Supervised By :mohammad ahmed 07/11/2023

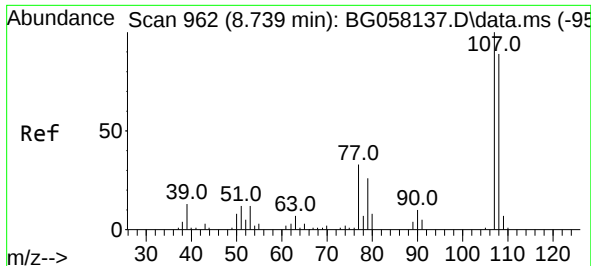


#16
Acetophenone
Concen: 1.146 ng/ul
RT: 8.804 min Scan# 973
Delta R.T. 0.012 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36



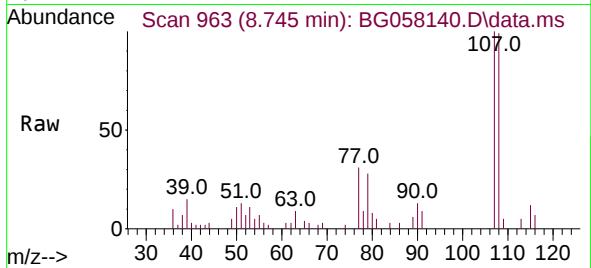
Tgt Ion:105 Resp: 15535
Ion Ratio Lower Upper
105 100
77 80.0 61.2 91.8
51 31.8 23.5 35.3





#18
4-Methylphenol
Concen: 1.671 ng/ul
RT: 8.745 min Scan# 90
Delta R.T. 0.006 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

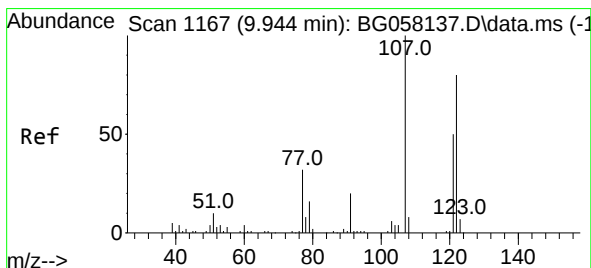
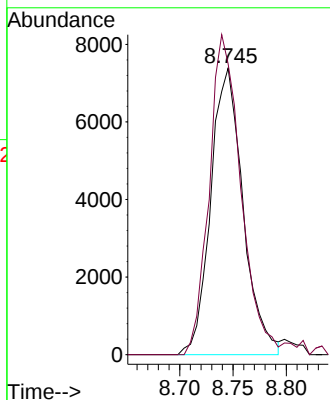
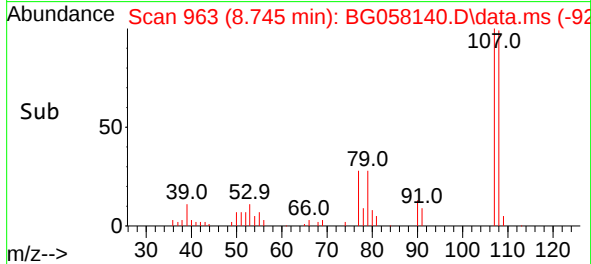
Instrument :
BNA_G
ClientSampleId :
EX7X7



Tgt Ion:108 Resp: 1559
Ion Ratio Lower Upper
108 100
107 101.5 91.1 136.7

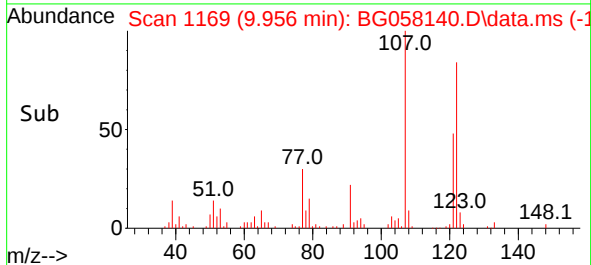
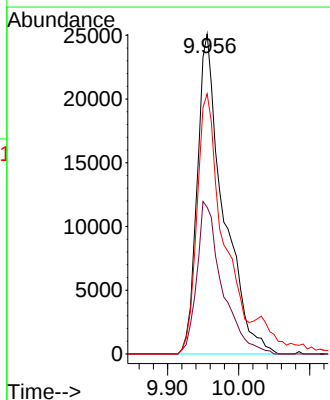
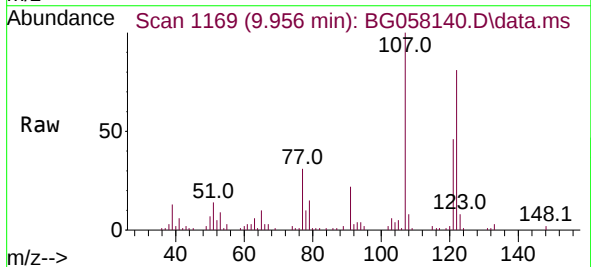
Manual Integrations
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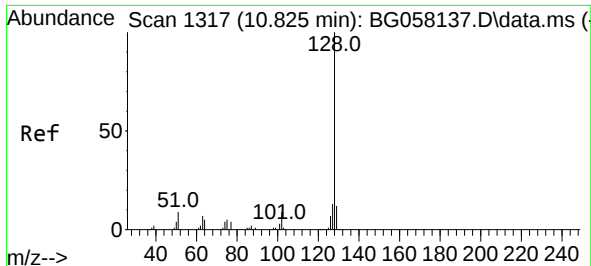
Reviewed By :Yogesh Patel 07/11/2023
Supervised By :mohammad ahmed 07/11/2023



#26
2,4-Dimethylphenol
Concen: 7.647 ng/ul
RT: 9.956 min Scan# 1169
Delta R.T. 0.012 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

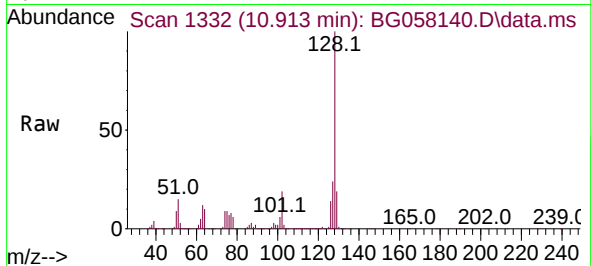
Tgt Ion:107 Resp: 63939
Ion Ratio Lower Upper
107 100
121 45.9 40.6 60.8
122 81.3 67.1 100.7





#30
Naphthalene
Concen: 721.754 ng/ul
RT: 10.913 min Scan# 11
Delta R.T. 0.088 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

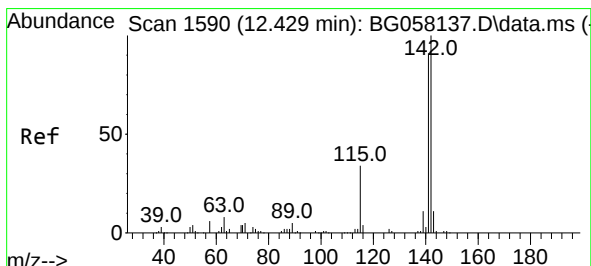
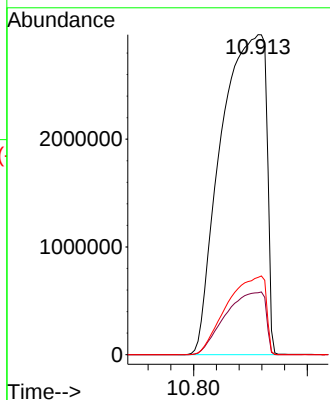
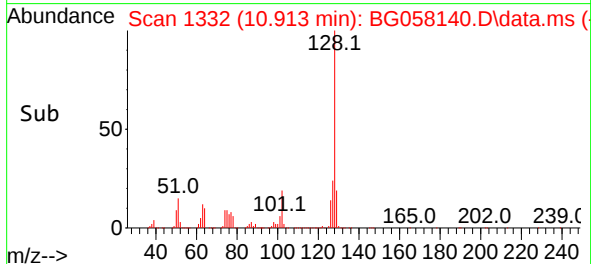
Instrument :
BNA_G
ClientSampleId :
EX7X7



Tgt Ion:128 Resp:1640776
Ion Ratio Lower Upper
128 100
129 19.4 8.6 12.8
127 24.1 10.2 15.2

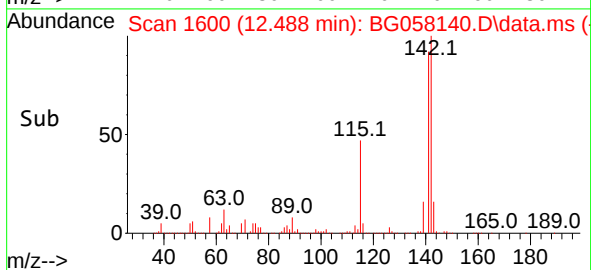
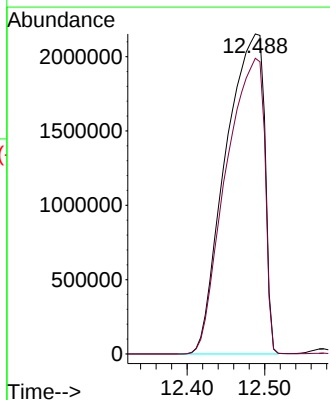
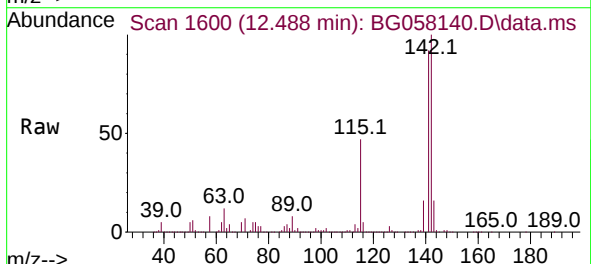
Manual Integrations
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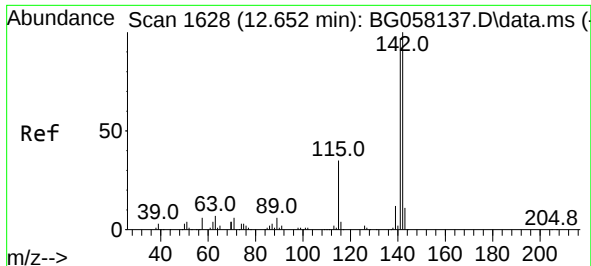
Reviewed By :Yogesh Patel 07/11/2023
Supervised By :mohammad ahmed 07/11/2023



#36
2-Methylnaphthalene
Concen: 489.096 ng/ul
RT: 12.488 min Scan# 1600
Delta R.T. 0.059 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

Tgt Ion:142 Resp: 7495115
Ion Ratio Lower Upper
142 100
141 92.4 69.4 104.2





#37

1-Methylnaphthalene

Concen: 282.028 ng/ul

RT: 12.694 min Scan# 1

Delta R.T. 0.041 min

Lab File: BG058140.D

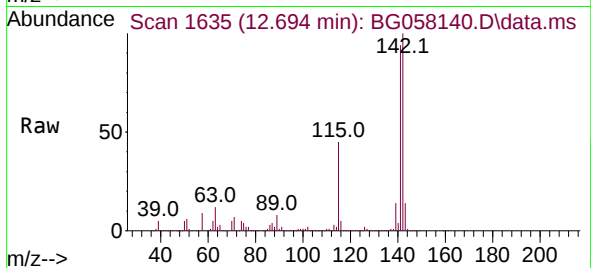
Acq: 10 Jul 2023 13:36

Instrument :

BNA_G

ClientSampleId :

EX7X7



Tgt Ion:142 Resp: 433399

Ion Ratio Lower Upper

142 100

141 93.6 73.8 110.8

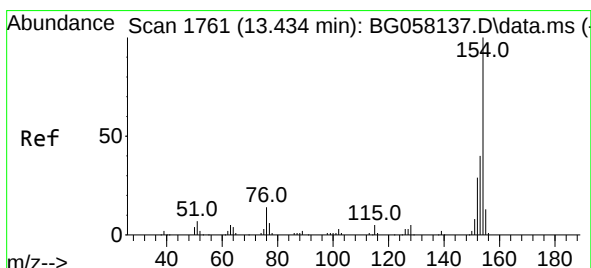
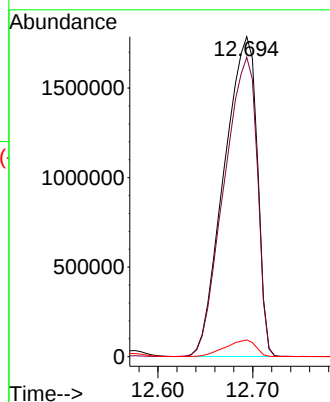
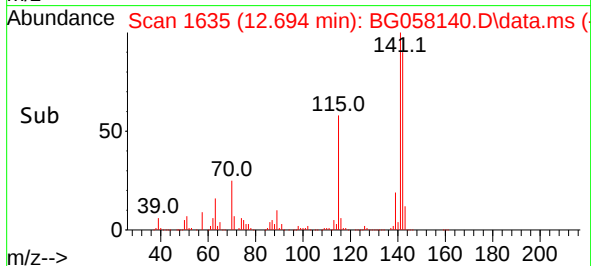
116 5.2 3.0 4.4

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 07/11/2023



#43

1,1'-Biphenyl

Concen: 168.557 ng/ul

RT: 13.457 min Scan# 1765

Delta R.T. 0.024 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

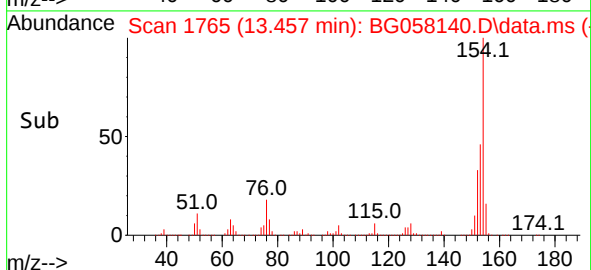
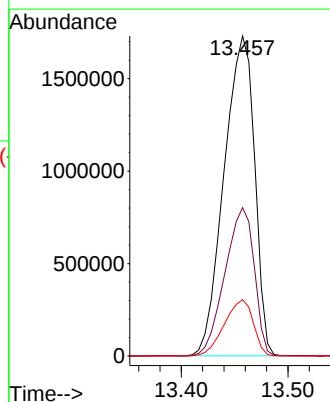
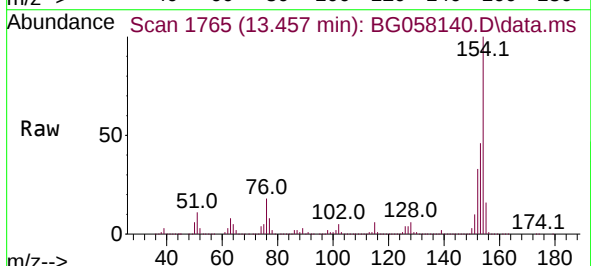
Tgt Ion:154 Resp: 3439626

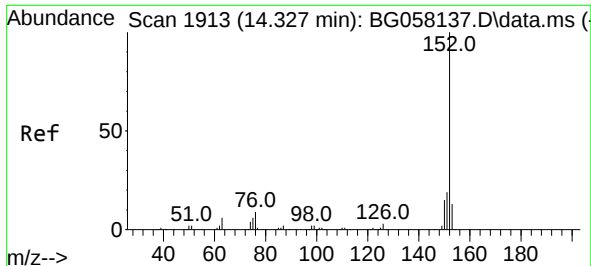
Ion Ratio Lower Upper

154 100

153 46.4 32.6 49.0

76 17.6 11.6 17.4





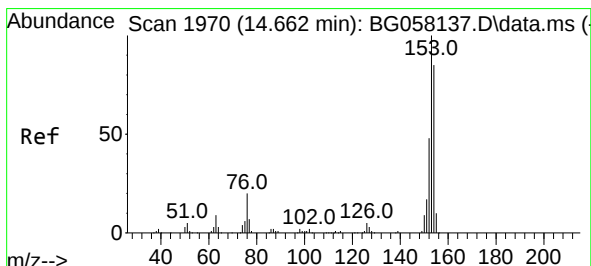
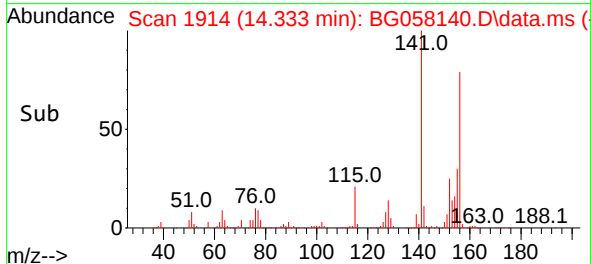
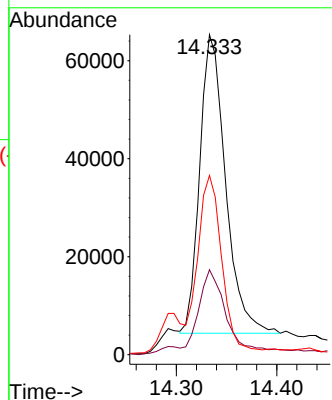
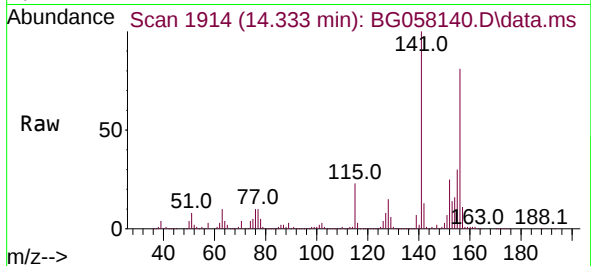
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Acenaphthylene
Concen: 4.141 ng/ul
RT: 14.333 min Scan# 1914
Delta R.T. 0.006 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

Instrument :
BNA_G
ClientSampleId :
EX7X7

Tgt Ion:152 Resp: 109030
Ion Ratio Lower Upper
152 100
151 26.5 15.6 23.4
153 56.0 10.5 15.7

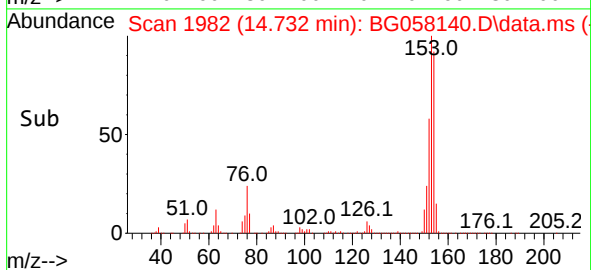
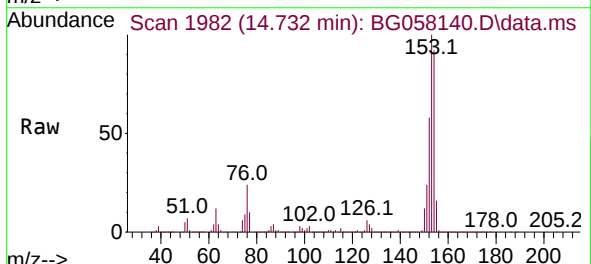
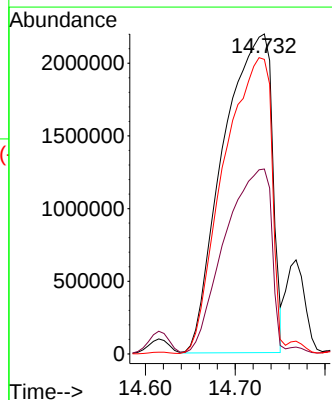
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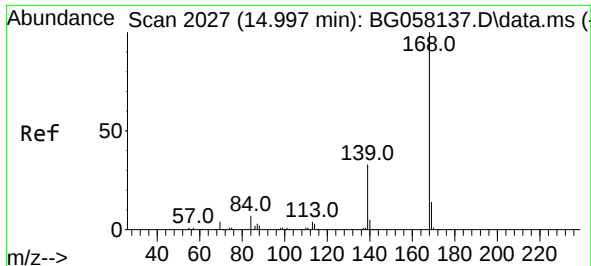
Reviewed By :Yogesh Patel 07/11/2023
Supervised By :mohammad ahmed 07/11/2023



#52
Acenaphthene
Concen: 458.597 ng/ul
RT: 14.732 min Scan# 1982
Delta R.T. 0.071 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

Tgt Ion:153 Resp: 8285144
Ion Ratio Lower Upper
153 100
152 57.8 36.5 54.7
154 92.1 70.5 105.7





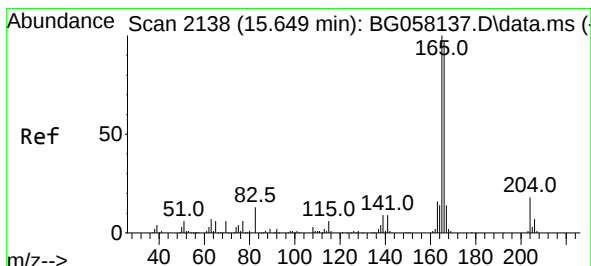
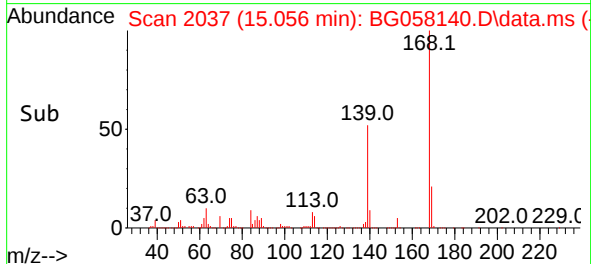
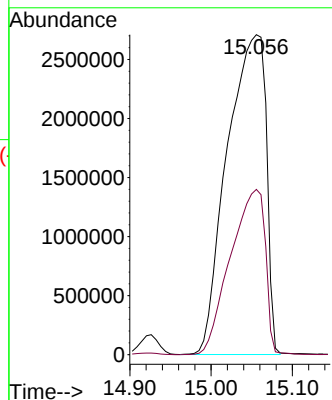
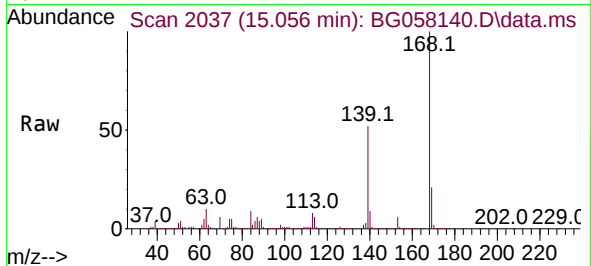
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Dibenzenofuran
Concen: 351.406 ng/ul
RT: 15.056 min Scan# 2027
Delta R.T. 0.059 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

Instrument :
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Tgt Ion:168 Resp: 902464
Ion Ratio Lower Upper
168 100
139 51.7 27.6 41.4

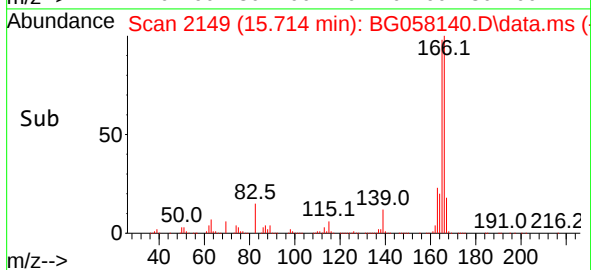
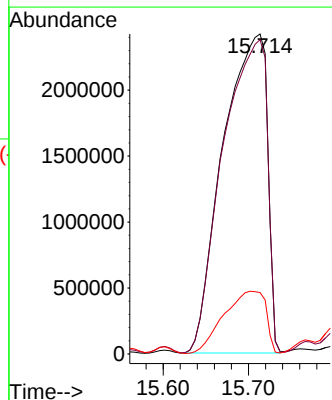
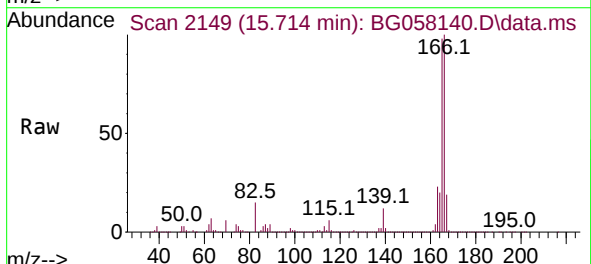
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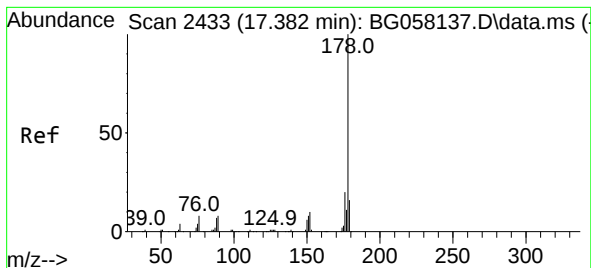
Reviewed By :Yogesh Patel 07/11/2023
Supervised By :mohammad ahmed 07/11/2023



#61
Fluorene
Concen: 414.339 ng/ul
RT: 15.714 min Scan# 2149
Delta R.T. 0.065 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

Tgt Ion:166 Resp: 8730845
Ion Ratio Lower Upper
166 100
165 98.2 79.1 118.7
167 19.2 10.7 16.1





#72

Phenanthrene

Concen: 1039.210 ng/ul m

RT: 17.512 min Scan# 2455

Delta R.T. 0.129 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

Instrument :

BNA_G

ClientSampleId :

EX7X7

Tgt Ion:178 Resp:2203489

Ion Ratio Lower Upper

178 100

179 28.0 12.8 19.2

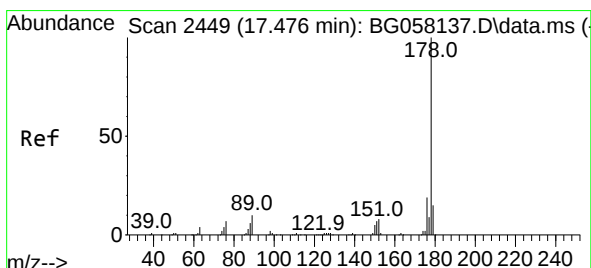
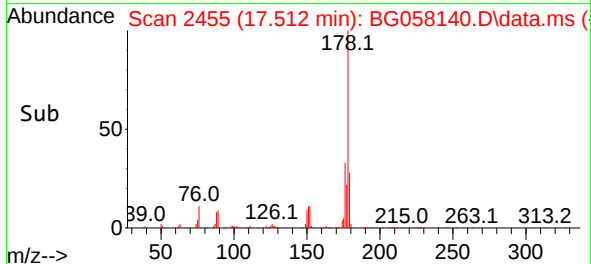
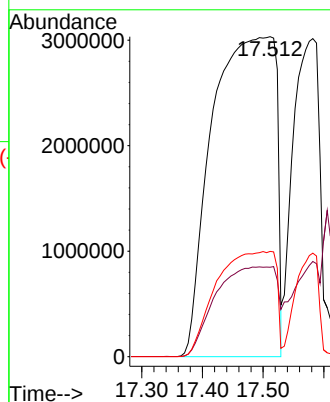
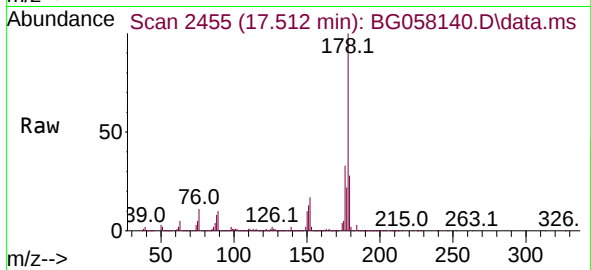
176 32.9 15.7 23.5

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Reviewed By :Yogesh Patel 07/11/2023

Supervised By :mohammad ahmed 07/11/2023



#74

Anthracene

Concen: 445.134 ng/ul m

RT: 17.582 min Scan# 2467

Delta R.T. 0.106 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

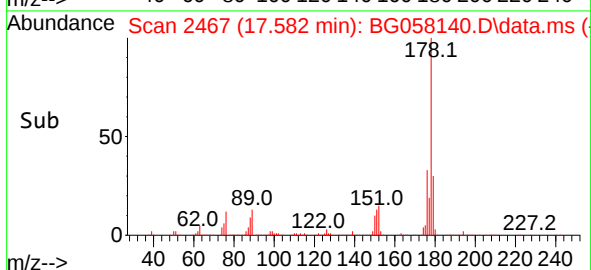
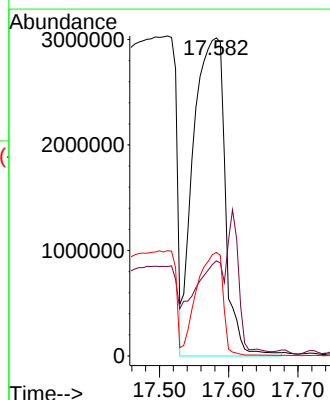
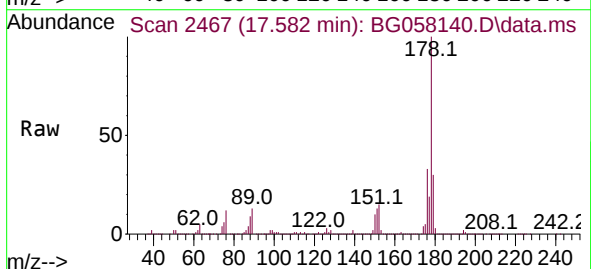
Tgt Ion:178 Resp: 9551239

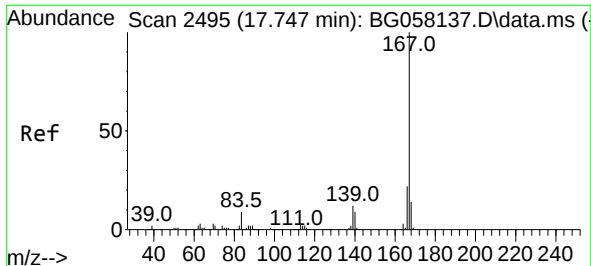
Ion Ratio Lower Upper

178 100

179 29.9 12.6 18.8#

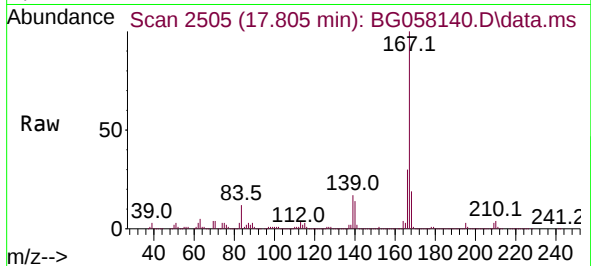
176 32.6 15.4 23.2#





#77
 Carbazole
 Concen: 309.125 ng/ul
 RT: 17.805 min Scan# 21
 Delta R.T. 0.059 min
 Lab File: BG058140.D
 Acq: 10 Jul 2023 13:36

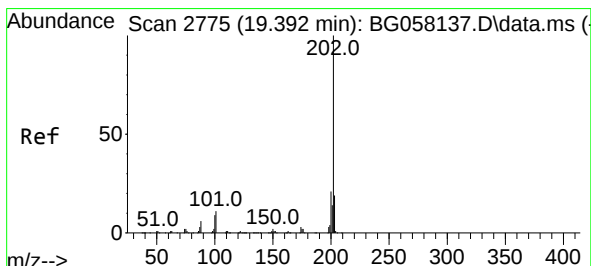
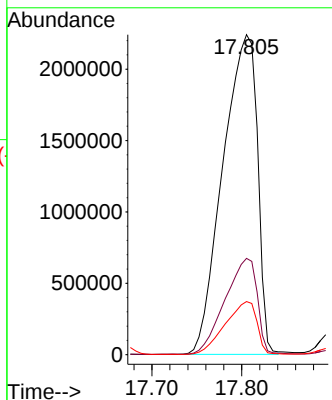
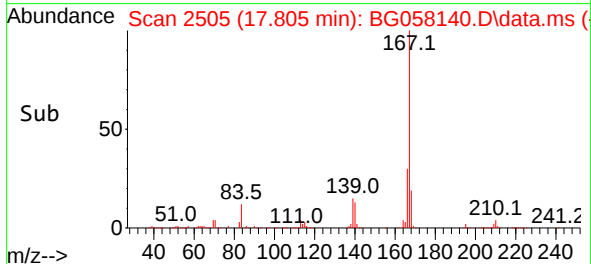
Instrument :
 BNA_G
 ClientSampleId :
 EX7X7



Tgt Ion:167 Resp: 599878
 Ion Ratio Lower Upper
 167 100
 166 30.1 17.5 26.3#
 139 16.6 9.5 14.3#

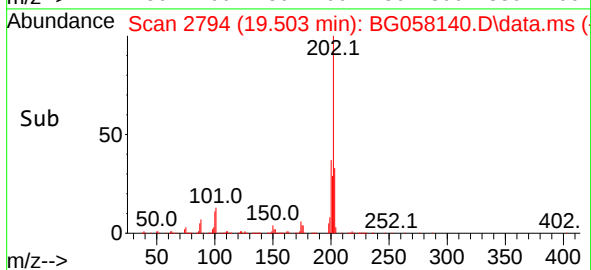
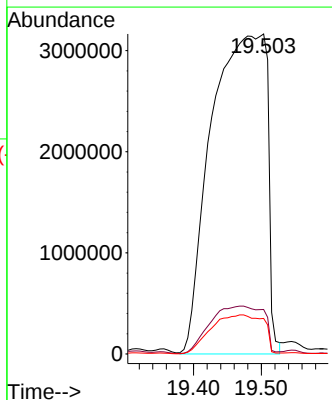
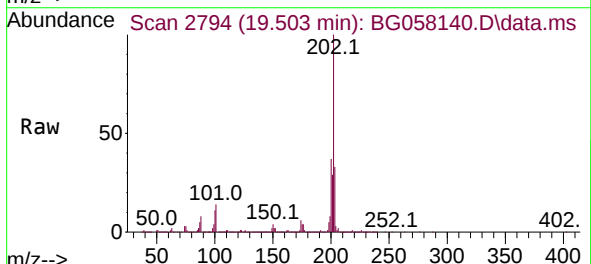
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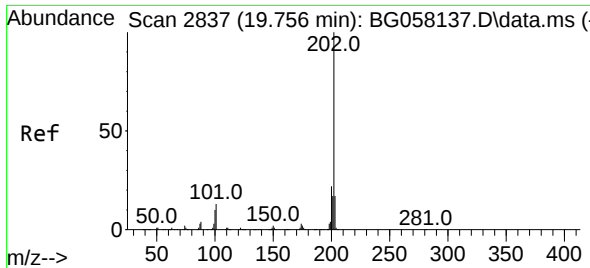
Reviewed By :Yogesh Patel 07/11/2023
 Supervised By :mohammad ahmed 07/11/2023



#80
 Fluoranthene
 Concen: 787.506 ng/ul m
 RT: 19.503 min Scan# 2794
 Delta R.T. 0.112 min
 Lab File: BG058140.D
 Acq: 10 Jul 2023 13:36

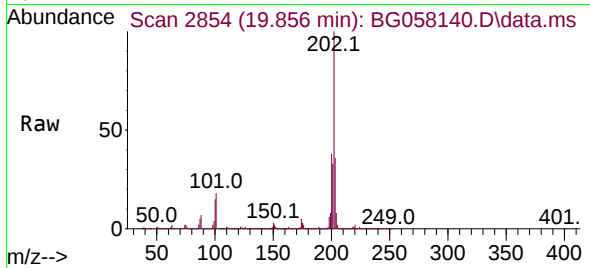
Tgt Ion:202 Resp:18044375
 Ion Ratio Lower Upper
 202 100
 101 13.9 9.1 13.7#
 100 11.1 7.1 10.7#





#82
Pyrene
Concen: 631.071 ng/ul
RT: 19.856 min Scan# 214
Delta R.T. 0.100 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

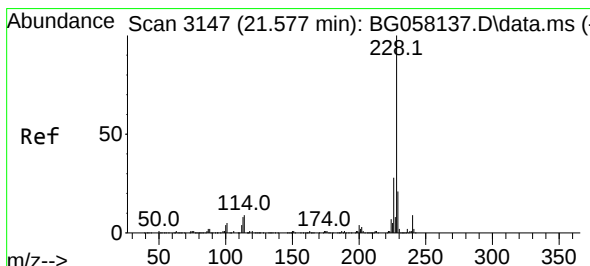
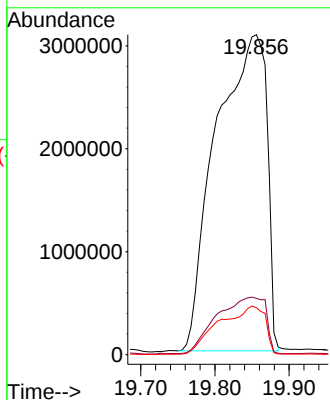
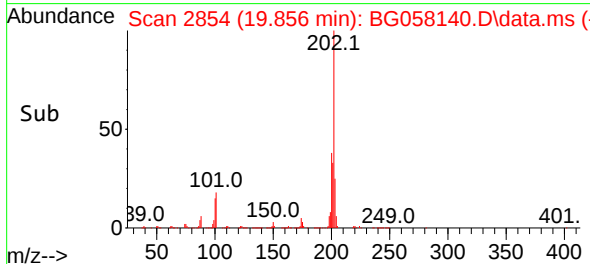
Instrument :
BNA_G
ClientSampleId :
EX7X7



Tgt Ion:202 Resp:14555414
Ion Ratio Lower Upper
202 100
101 17.6 10.2 15.2
100 14.7 8.9 13.3

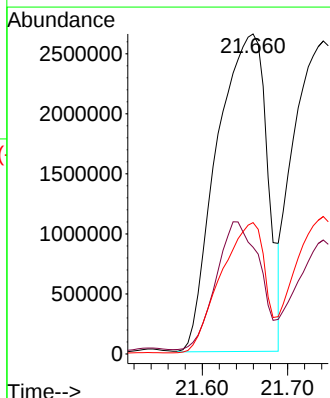
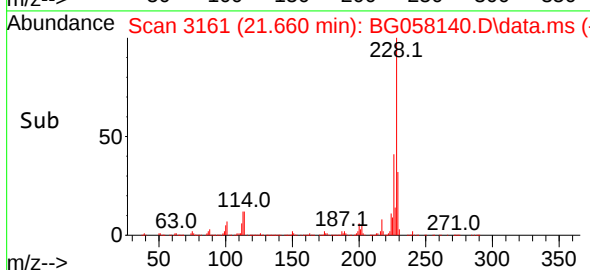
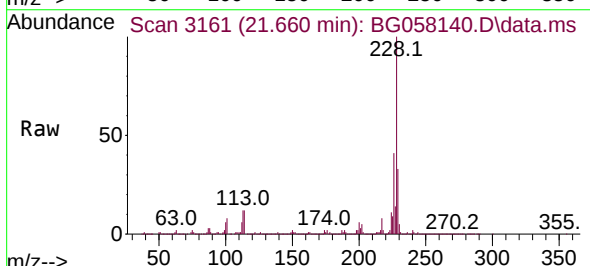
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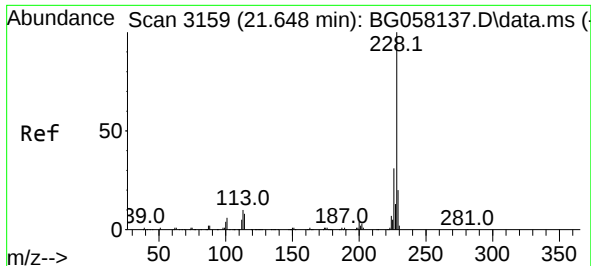
Reviewed By :Yogesh Patel 07/11/2023
Supervised By :mohammad ahmed 07/11/2023



#85
Benzo(a)anthracene
Concen: 482.812 ng/ul
RT: 21.660 min Scan# 3161
Delta R.T. 0.082 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

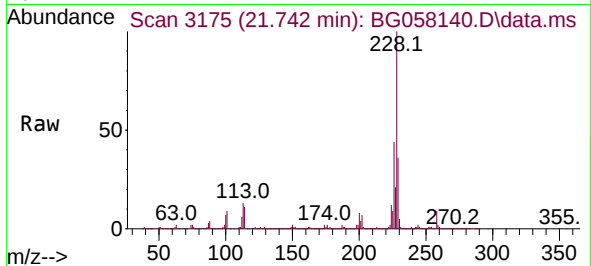
Tgt Ion:228 Resp:10884397
Ion Ratio Lower Upper
228 100
229 33.4 16.0 24.0#
226 41.0 22.0 33.0#





#87
Chrysene
Concen: 389.774 ng/ul
RT: 21.742 min Scan# 3159
Delta R.T. 0.094 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

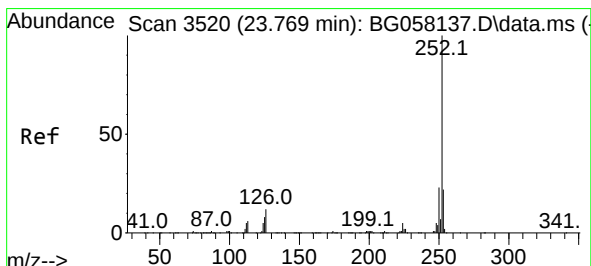
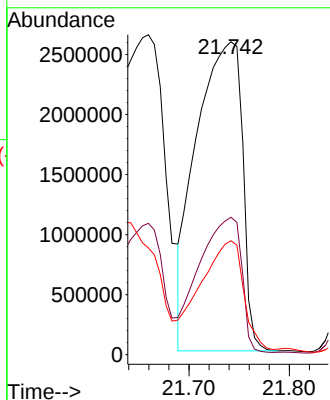
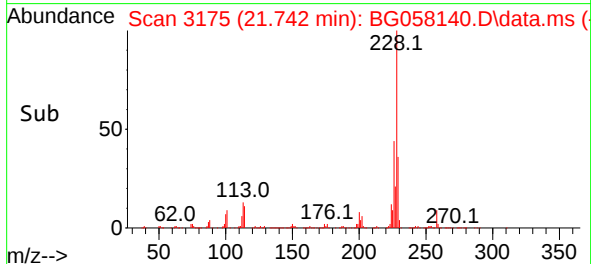
Instrument :
BNA_G
ClientSampleId :
EX7X7



Tgt Ion:228 Resp: 8237180
Ion Ratio Lower Upper
228 100
226 43.9 24.4 36.6
229 36.4 15.5 23.3

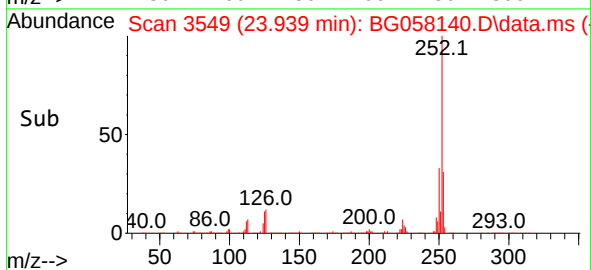
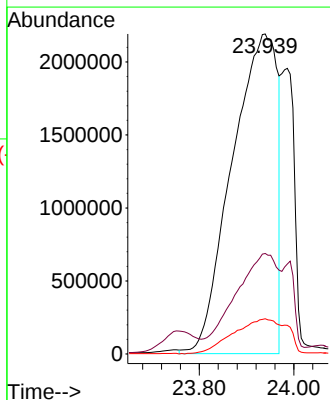
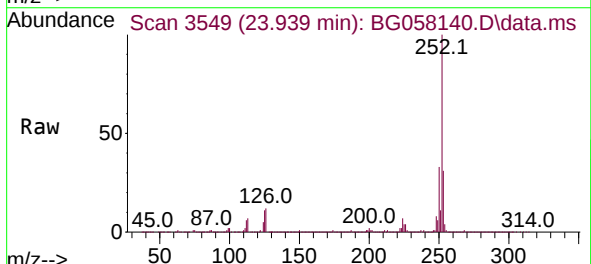
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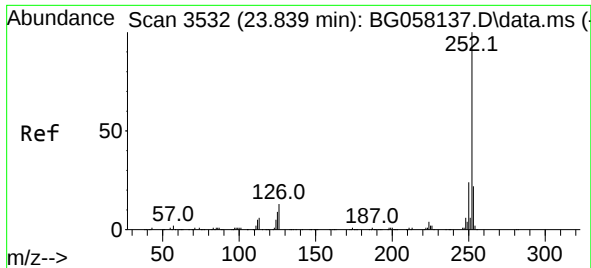
Reviewed By :Yogesh Patel 07/11/2023
Supervised By :mohammad ahmed 07/11/2023



#90
Benzo(b)fluoranthene
Concen: 397.524 ng/ul m
RT: 23.939 min Scan# 3549
Delta R.T. 0.170 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

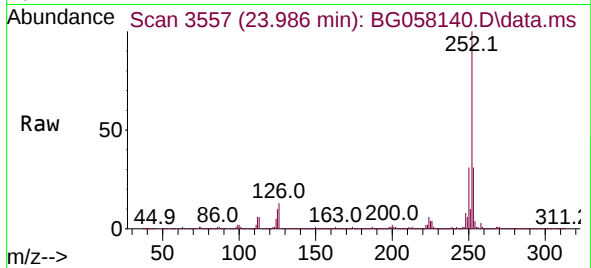
Tgt Ion:252 Resp:14544975
Ion Ratio Lower Upper
252 100
253 31.4 18.1 27.1#
125 11.0 7.5 11.3





#91
Benzo(k)fluoranthene
Concen: 108.729 ng/ul m
RT: 23.986 min Scan# 31
Delta R.T. 0.147 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

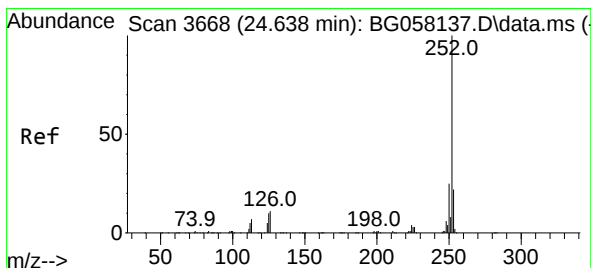
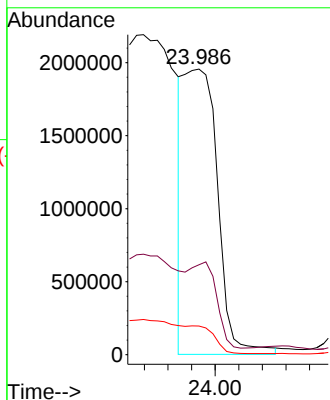
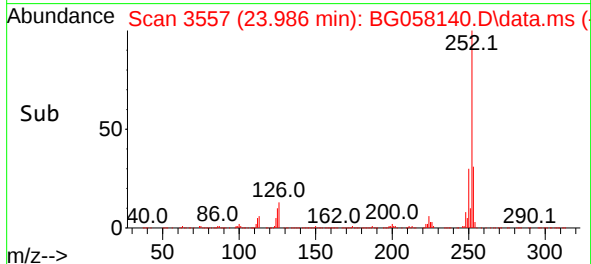
Instrument :
BNA_G
ClientSampleId :
EX7X7



Tgt Ion:252 Resp: 3899384
Ion Ratio Lower Upper
252 100
253 31.5 17.7 26.5
125 10.0 7.4 11.2

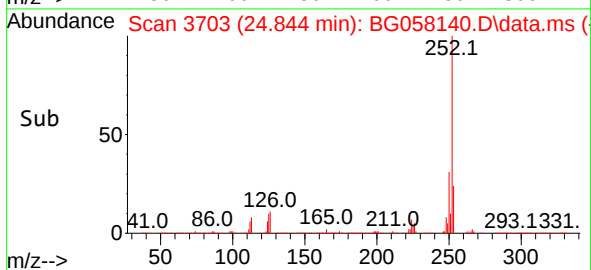
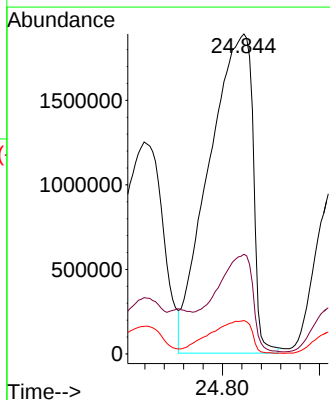
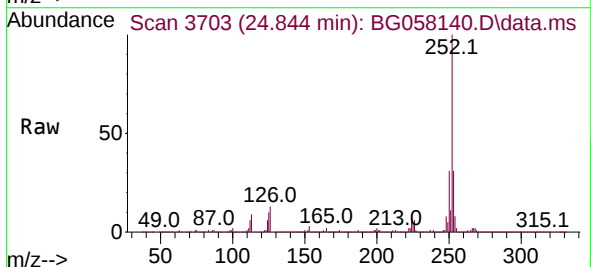
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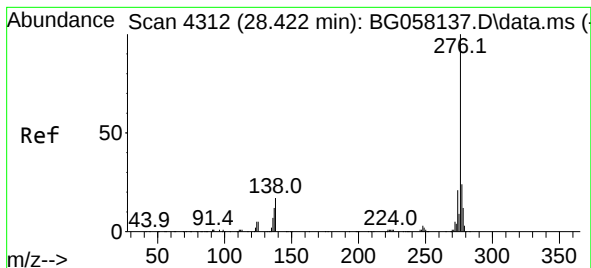
Reviewed By :Yogesh Patel 07/11/2023
Supervised By :mohammad ahmed 07/11/2023



#93
Benzo(a)pyrene
Concen: 366.028 ng/ul m
RT: 24.844 min Scan# 3703
Delta R.T. 0.206 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

Tgt Ion:252 Resp:11853808
Ion Ratio Lower Upper
252 100
253 31.1 17.8 26.6#
125 10.5 8.3 12.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 181.465 ng/ul m

RT: 28.728 min Scan# 4364

Delta R.T. 0.306 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

Instrument :

BNA_G

ClientSampleId :

EX7X7

Tgt Ion:276 Resp: 780382

Ion Ratio Lower Upper

276 100

138 17.6 14.0 21.0

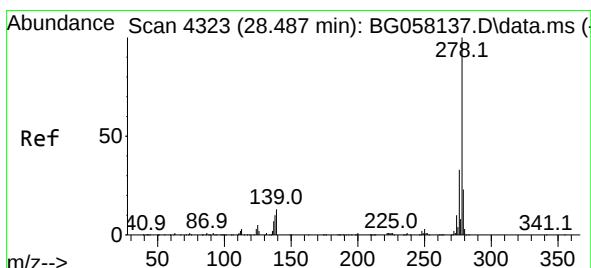
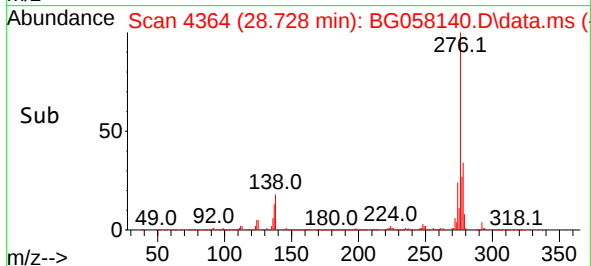
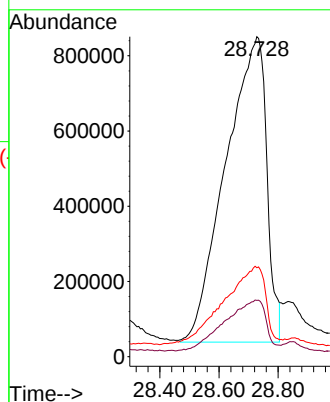
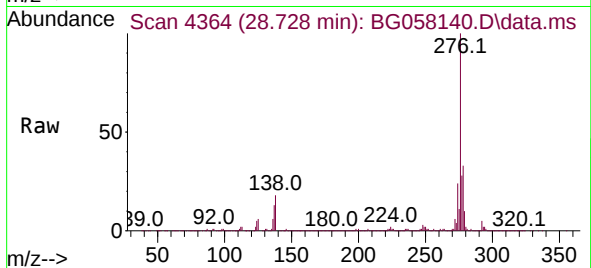
277 27.8 19.4 29.2

Manual Integrations

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Reviewed By :Yogesh Patel 07/11/2023

Supervised By :mohammad ahmed 07/11/2023



#95

Dibenzo(a,h)anthracene

Concen: 57.683 ng/ul m

RT: 28.740 min Scan# 4366

Delta R.T. 0.253 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

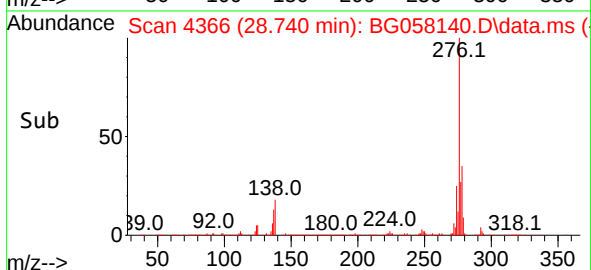
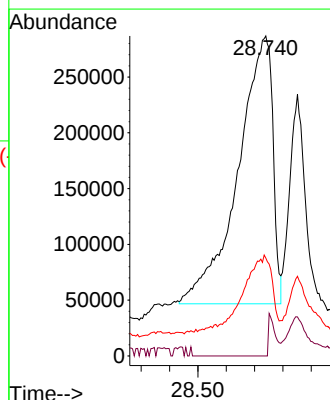
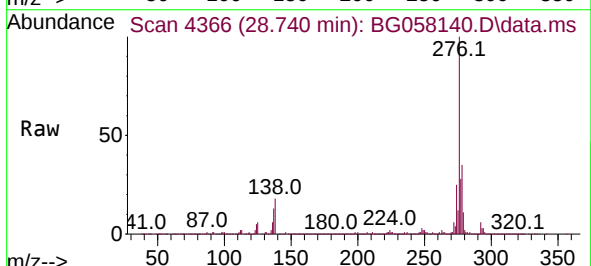
Tgt Ion:278 Resp: 2045545

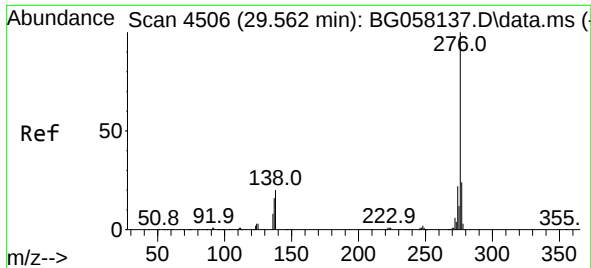
Ion Ratio Lower Upper

278 100

139 0.0 11.3 16.9#

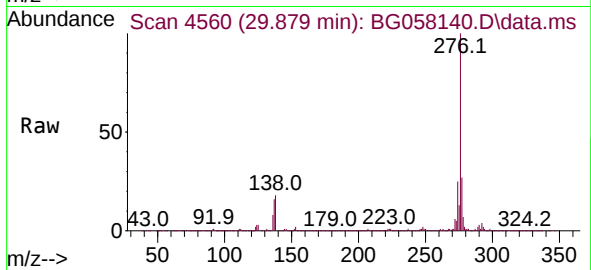
279 30.6 18.9 28.3#





#96
 Benzo(g,h,i)perylene
 Concen: 186.637 ng/ul m
 RT: 29.879 min Scan# 4
 Delta R.T. 0.317 min
 Lab File: BG058140.D
 Acq: 10 Jul 2023 13:36

Instrument :
 BNA_G
 ClientSampleId :
 EX7X7



Tgt Ion:276 Resp: 655572
 Ion Ratio Lower Upper
 276 100
 138 18.1 14.2 21.2
 277 27.3 18.6 27.8

Manual Integrations
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Reviewed By :Yogesh Patel 07/11/2023
 Supervised By :mohammad ahmed 07/11/2023

