

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
 Data File : BG059172.D
 Acq On : 22 Sep 2023 20:45
 Operator : MA/JU
 Sample : 04429-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BBHJ4

Manual Integrations
 APPROVED

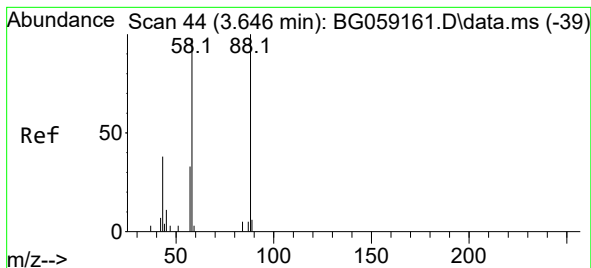
Reviewed By :Yogesh Patel 09/23/2023
 Supervised By :mohammad ahmed 09/23/2023

Quant Time: Sep 23 01:42:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 20 04:25:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.314	152	33308	20.000	ng/ul	# 0.01
20) Naphthalene-d8	11.164	136	256711m	20.000	ng/ul	0.02
38) Acenaphthene-d10	14.942	164	93962	20.000	ng/ul	0.01
64) Phenanthrene-d10	17.692	188	192496	20.000	ng/ul	0.01
79) Chrysene-d12	22.010	240	162474	20.000	ng/ul	0.01
88) Perylene-d12	25.577	264	183635	20.000	ng/ul	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.620	96	3021	3.550	ng/uL	0.00
4) Pyridine-d5	4.061	84	38202	15.303	ng/ul	0.01
7) Phenol-d5	7.445	99	14864	4.538	ng/ul	0.04
9) Bis-(2-Chloroethyl)eth...	7.633	67	45265	22.522	ng/ul	0.01
11) 2-Chlorophenol-d4	7.833	132	32655	13.511	ng/ul	0.02
15) 4-Methylphenol-d8	9.014	113	24937	9.560	ng/ul	0.03
21) Nitrobenzene-d5	9.513	128	23496	11.861	ng/ul	0.02
24) 2-Nitrophenol-d4	10.230	143	20095	10.042	ng/ul	0.02
28) 2,4-Dichlorophenol-d3	10.765	165	39803	10.477	ng/ul	0.03
31) 4-Chloroaniline-d4	11.305	131	63483	10.706	ng/ul	0.02
46) Dimethylphthalate-d6	14.337	166	129704	17.949	ng/ul	0.01
49) Acenaphthylene-d8	14.648	160	161981	18.409	ng/ul	0.02
54) 4-Nitrophenol-d4	15.118	143	2265	1.718	ng/ul	0.02
60) Fluorene-d10	15.929	176	120320	18.190	ng/ul	0.01
65) 4,6-Dinitro-2-methylph...	16.035	200	4451	4.067	ng/ul	0.01
73) Anthracene-d10	17.792	188	168744m	19.266	ng/ul	0.01
81) Pyrene-d10	20.060	212	197005	20.745	ng/ul	0.01
92) Benzo(a)pyrene-d12	25.330	264	168740	18.818	ng/ul	0.04
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.661	88	19228	19.983	ng/uL#	71
8) Phenol	7.474	94	161852	48.080	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.727	93	16769	6.205	ng/ul#	91
13) 2-Methylphenol	8.749	108	66350	26.559	ng/ul	97
16) Acetophenone	9.161	105	102680	25.570	ng/ul	98
18) 4-Methylphenol	9.084	108	468641	175.047	ng/ul	98
26) 2,4-Dimethylphenol	10.300	107	194511m	46.522	ng/ul	
30) Naphthalene	11.217	128	554414	40.360	ng/ul	100
36) 2-Methylnaphthalene	12.797	142	443174	48.305	ng/ul	98
37) 1-Methylnaphthalene	13.009	142	515739	55.649	ng/ul#	95
42) 2,4,5-Trichlorophenol	13.455	196	12147	6.243	ng/ul	88
43) 1,1'-Biphenyl	13.779	154	105915	14.122	ng/ul	97
52) Acenaphthene	15.007	153	38114	5.980	ng/ul#	83
56) Dibenzofuran	15.336	168	33005	3.904	ng/ul	89
59) Diethylphthalate	15.723	149	43850	6.029	ng/ul#	88
61) Fluorene	15.988	166	58578	8.115	ng/ul#	85
71) Pentachlorophenol	17.322	266	12693	9.109	ng/ul	92
72) Phenanthrene	17.739	178	158206	14.686	ng/ul#	92
77) Carbazole	18.115	167	53929	5.893	ng/ul#	92

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



#2

1,4-Dioxane

Concen: 19.983 ng/uL

RT: 3.661 min Scan# 40

Delta R.T. 0.009 min

Lab File: BG059172.D

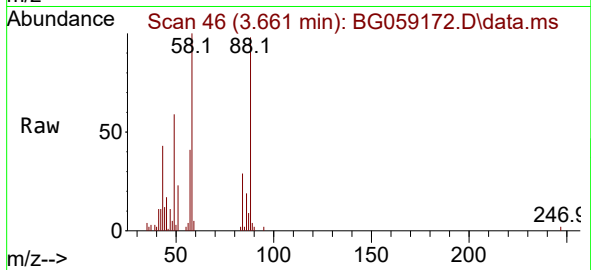
Acq: 22 Sep 2023 20:45

Instrument :

BNA_G

ClientSampleId :

BBHJ4



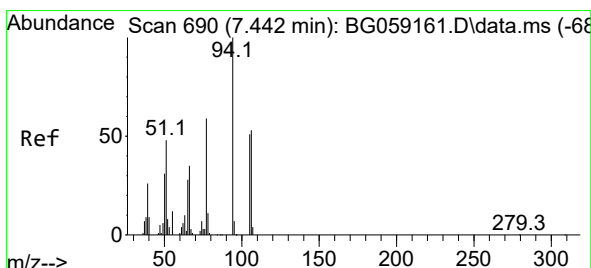
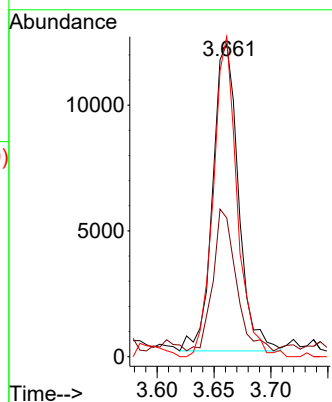
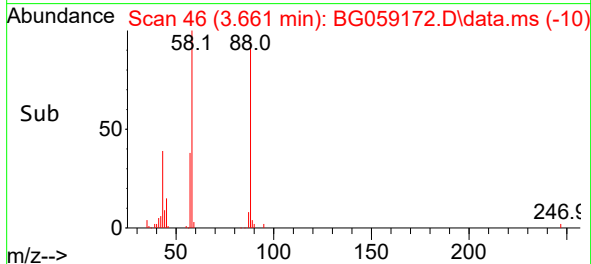
Tgt Ion:	88	Resp:	19228
Ion	Ratio	Lower	Upper
88	100		
43	44.4	24.5	36.7
58	102.3	60.6	91.0

Manual Integrations

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Reviewed By :Yogesh Patel 09/23/2023

Supervised By :mohammad ahmed 09/23/2023



#8

Phenol

Concen: 48.080 ng/uL

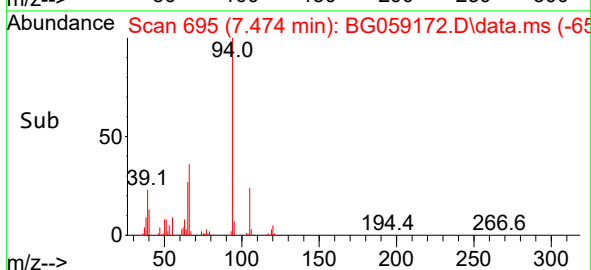
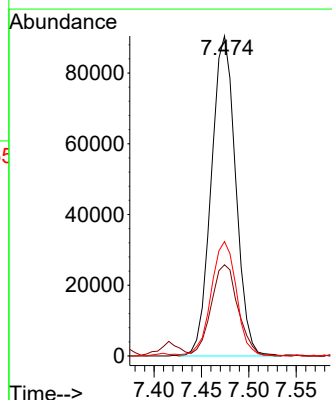
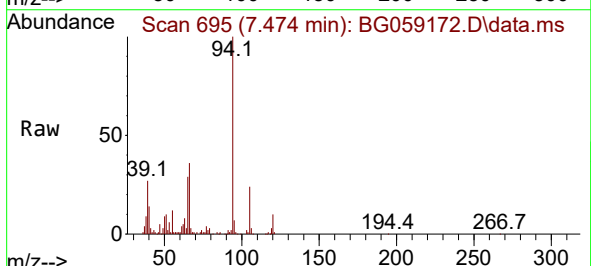
RT: 7.474 min Scan# 695

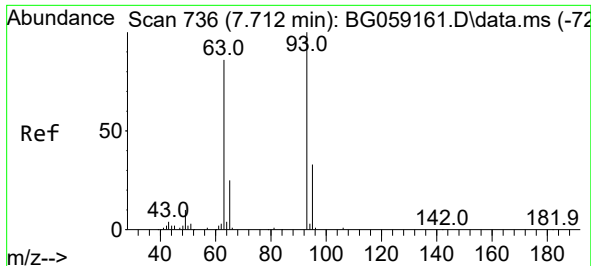
Delta R.T. 0.038 min

Lab File: BG059172.D

Acq: 22 Sep 2023 20:45

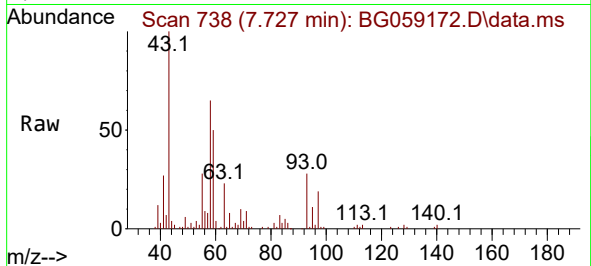
Tgt Ion:	94	Resp:	161852
Ion	Ratio	Lower	Upper
94	100		
65	28.5	24.4	36.6
66	35.8	28.4	42.6





#10
Bis(2-Chloroethyl)ether
Concen: 6.205 ng/ul
RT: 7.727 min Scan# 71
Delta R.T. 0.014 min
Lab File: BG059172.D
Acq: 22 Sep 2023 20:45

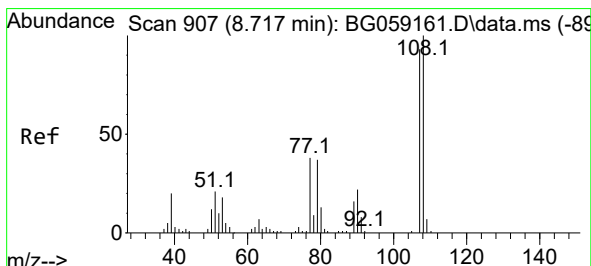
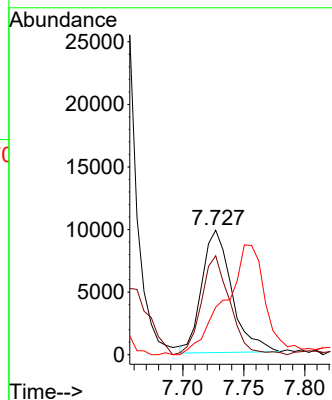
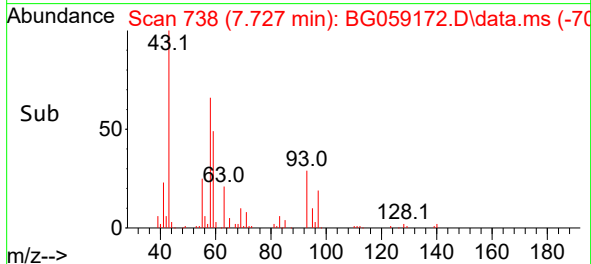
Instrument :
BNA_G
ClientSampleId :
BBHJ4



Tgt Ion: 93 Resp: 16769
Ion Ratio Lower Upper
93 100
63 79.4 68.3 102.5
95 38.2 23.8 35.8

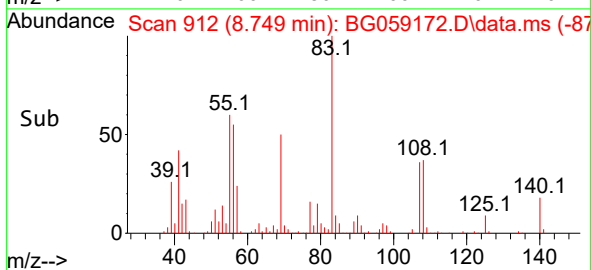
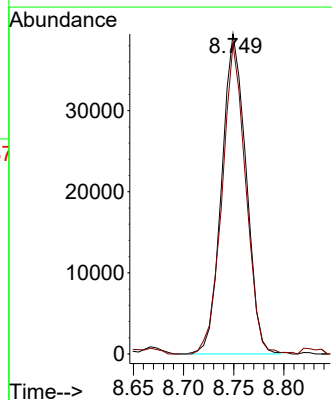
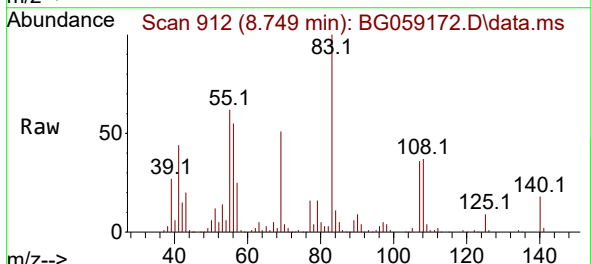
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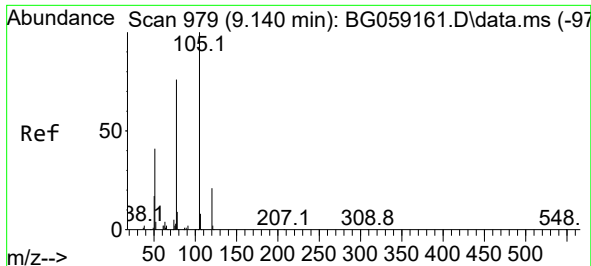
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023



#13
2-Methylphenol
Concen: 26.559 ng/ul
RT: 8.749 min Scan# 912
Delta R.T. 0.032 min
Lab File: BG059172.D
Acq: 22 Sep 2023 20:45

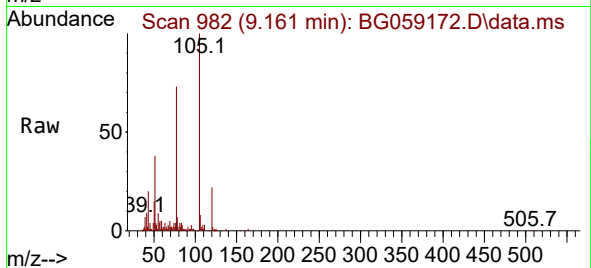
Tgt Ion:108 Resp: 66350
Ion Ratio Lower Upper
108 100
107 96.8 75.1 112.7





#16
Acetophenone
Concen: 25.570 ng/ul
RT: 9.161 min Scan# 910
Delta R.T. 0.020 min
Lab File: BG059172.D
Acq: 22 Sep 2023 20:45

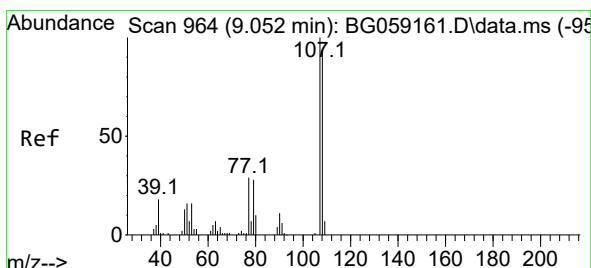
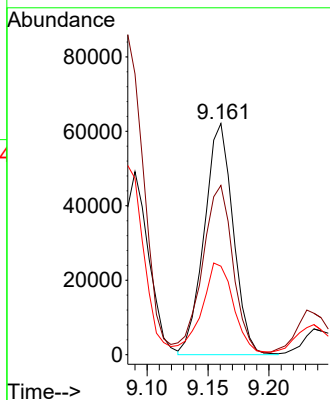
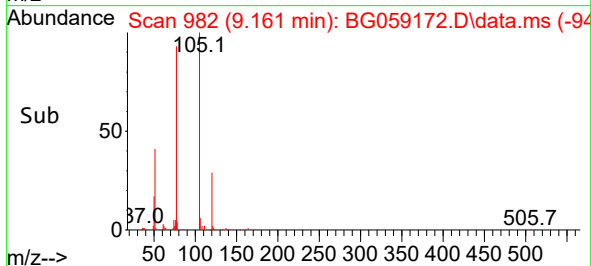
Instrument :
BNA_G
ClientSampleId :
BBHJ4



Tgt Ion:105 Resp: 102680
Ion Ratio Lower Upper
105 100
77 73.2 57.2 85.8
51 38.2 31.6 47.4

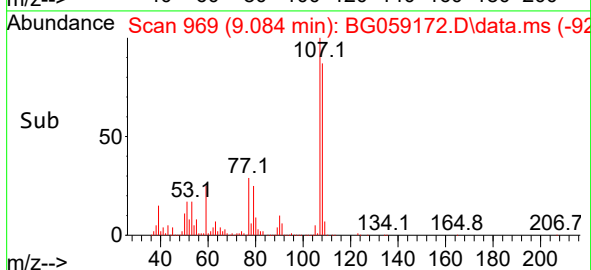
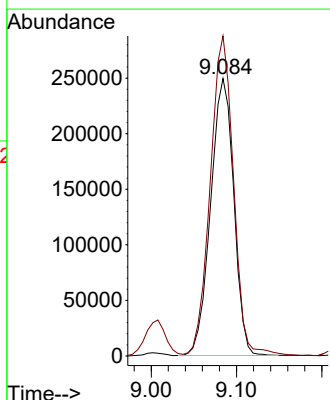
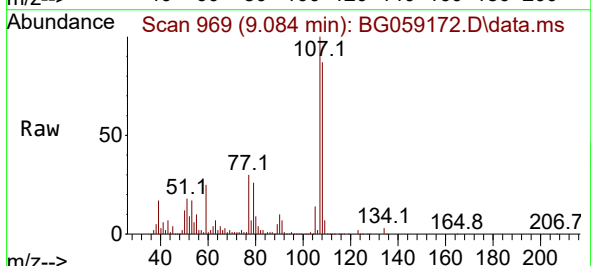
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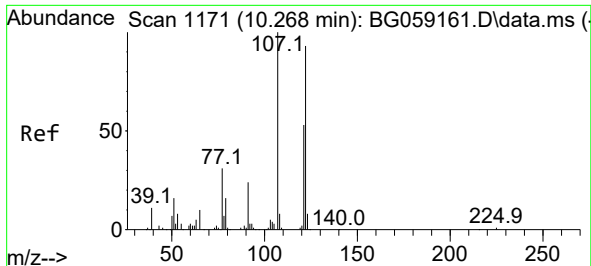
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023



#18
4-Methylphenol
Concen: 175.047 ng/ul
RT: 9.084 min Scan# 969
Delta R.T. 0.038 min
Lab File: BG059172.D
Acq: 22 Sep 2023 20:45

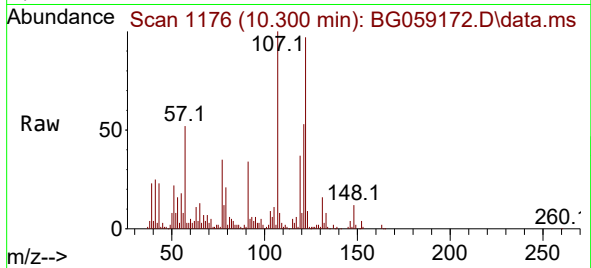
Tgt Ion:108 Resp: 468641
Ion Ratio Lower Upper
108 100
107 115.3 94.4 141.6





#26
2,4-Dimethylphenol
Concen: 46.522 ng/ul m
RT: 10.300 min Scan# 1171
Delta R.T. 0.032 min
Lab File: BG059172.D
Acq: 22 Sep 2023 20:45

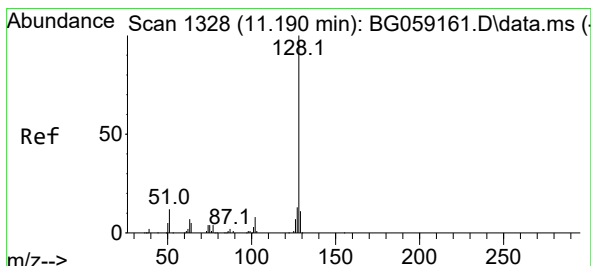
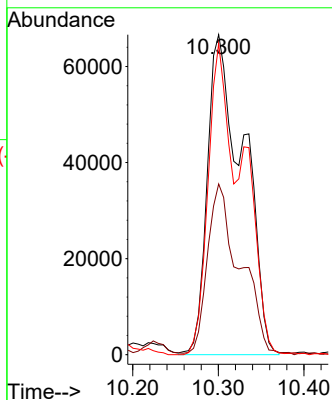
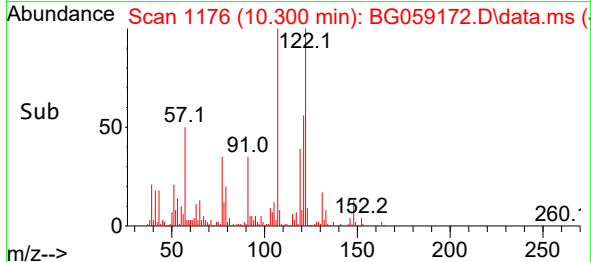
Instrument :
BNA_G
ClientSampleId :
BBHJ4



Tgt Ion:107 Resp: 19451
Ion Ratio Lower Upper
107 100
121 53.4 41.4 62.0
122 97.3 80.6 120.8

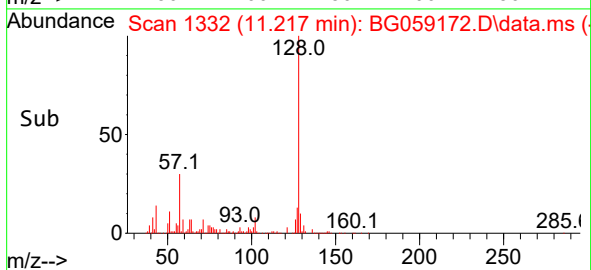
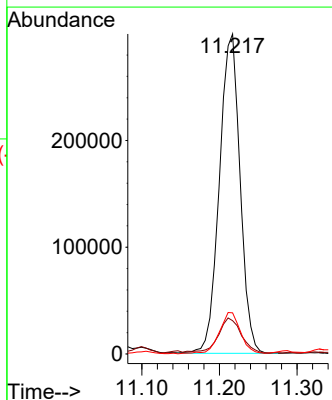
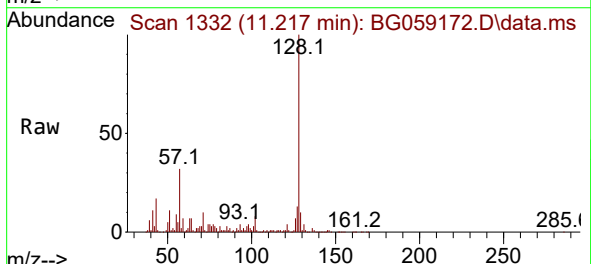
Manual Integrations
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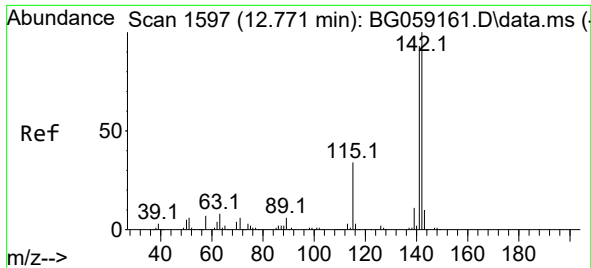
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023



#30
Naphthalene
Concen: 40.360 ng/ul
RT: 11.217 min Scan# 1332
Delta R.T. 0.020 min
Lab File: BG059172.D
Acq: 22 Sep 2023 20:45

Tgt Ion:128 Resp: 554414
Ion Ratio Lower Upper
128 100
129 10.4 8.4 12.6
127 12.8 10.2 15.4





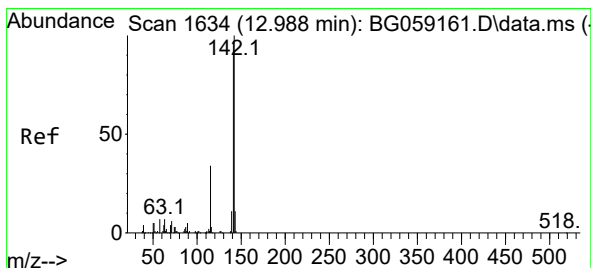
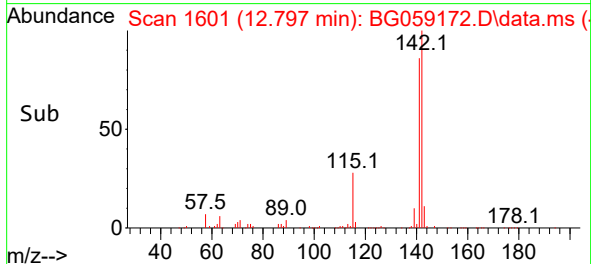
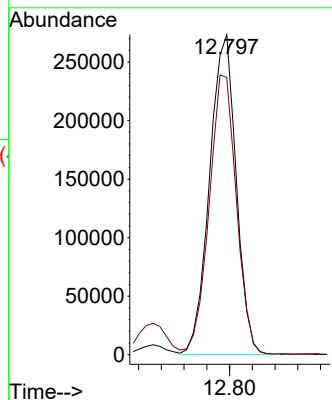
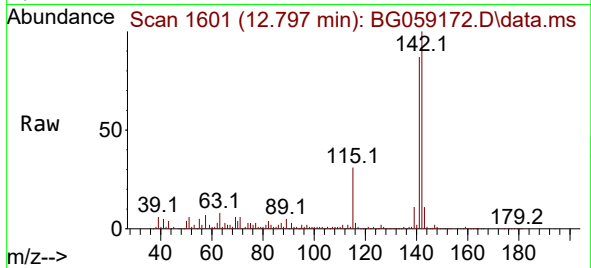
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2-Methylnaphthalene
Concen: 48.305 ng/ul
RT: 12.797 min Scan# 1
Delta R.T. 0.020 min
Lab File: BG059172.D
Acq: 22 Sep 2023 20:45

Instrument :
BNA_G
ClientSampleId :
BBHJ4

Tgt Ion:142 Resp: 443174
Ion Ratio Lower Upper
142 100
141 86.6 70.6 106.0

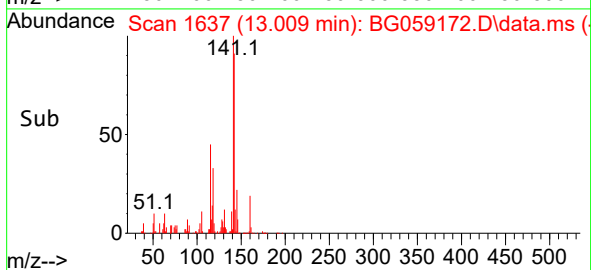
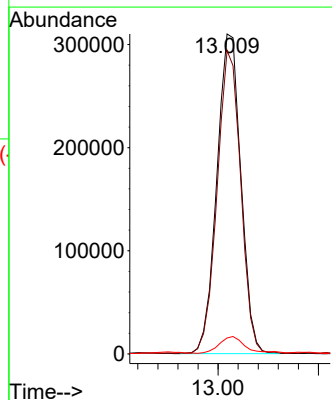
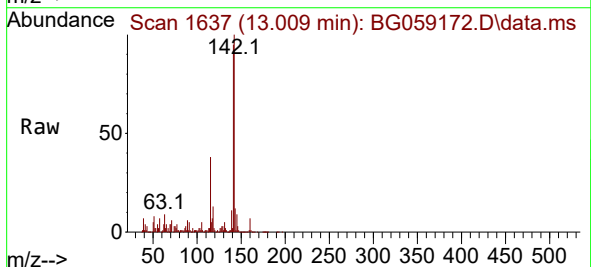
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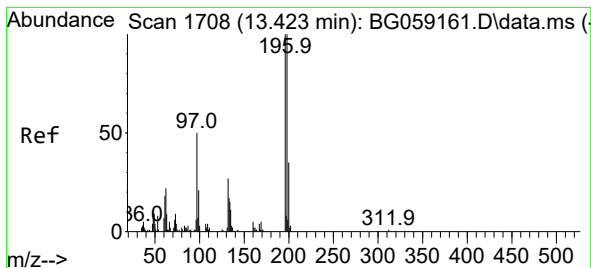
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023



#37
1-Methylnaphthalene
Concen: 55.649 ng/ul
RT: 13.009 min Scan# 1637
Delta R.T. 0.020 min
Lab File: BG059172.D
Acq: 22 Sep 2023 20:45

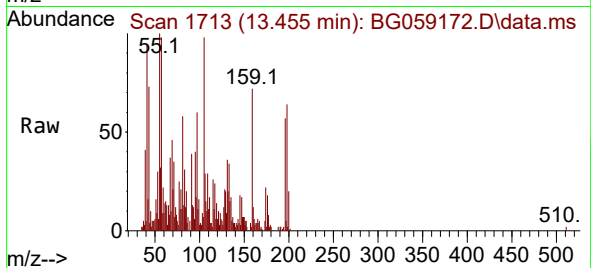
Tgt Ion:142 Resp: 515739
Ion Ratio Lower Upper
142 100
141 94.8 72.0 108.0
116 5.0 2.7 4.1#





#42
2,4,5-Trichlorophenol
Concen: 6.243 ng/ul
RT: 13.455 min Scan# 1713
Delta R.T. 0.032 min
Lab File: BG059172.D
Acq: 22 Sep 2023 20:45

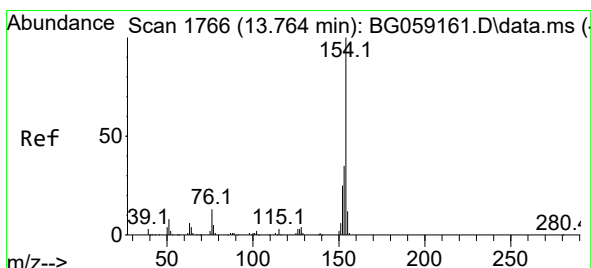
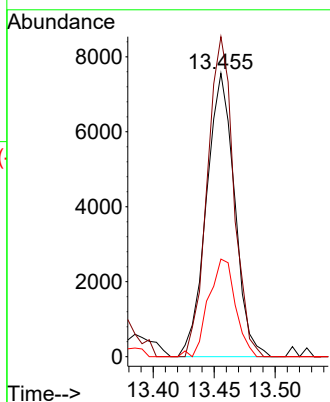
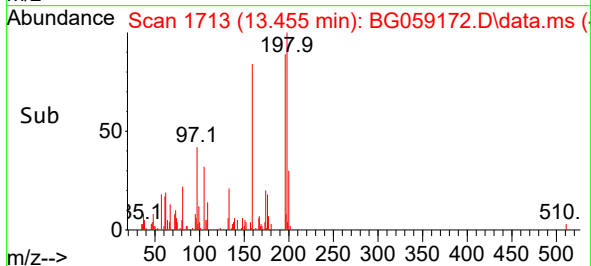
Instrument :
BNA_G
ClientSampleId :
BBHJ4



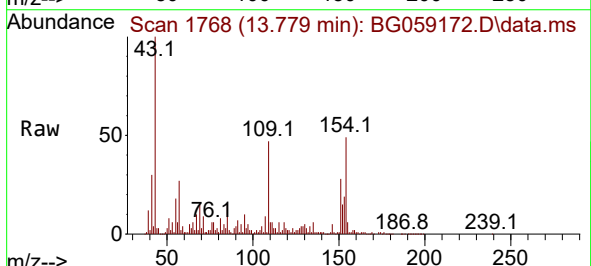
Tgt Ion:196 Resp: 1214
Ion Ratio Lower Upper
196 100
198 117.0 81.0 121.6
200 34.4 27.1 40.7

Manual Integrations
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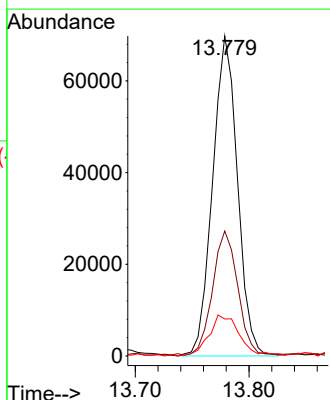
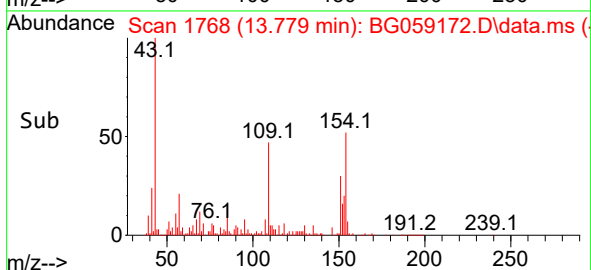
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023

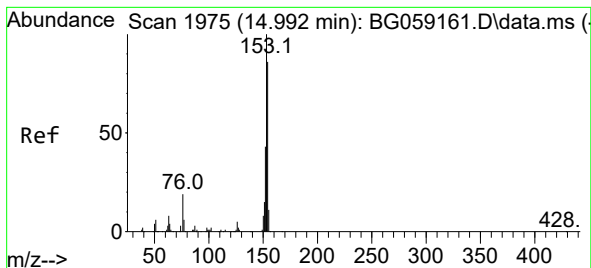


#43
1,1'-Biphenyl
Concen: 14.122 ng/ul
RT: 13.779 min Scan# 1768
Delta R.T. 0.014 min
Lab File: BG059172.D
Acq: 22 Sep 2023 20:45



Tgt Ion:154 Resp: 105915
Ion Ratio Lower Upper
154 100
153 39.1 33.2 49.8
76 11.6 9.8 14.8





#52

Acenaphthene

Concen: 5.980 ng/ul

RT: 15.007 min Scan# 1975

Delta R.T. 0.014 min

Lab File: BG059172.D

Acq: 22 Sep 2023 20:45

Instrument :

BNA_G

ClientSampleId :

BBHJ4

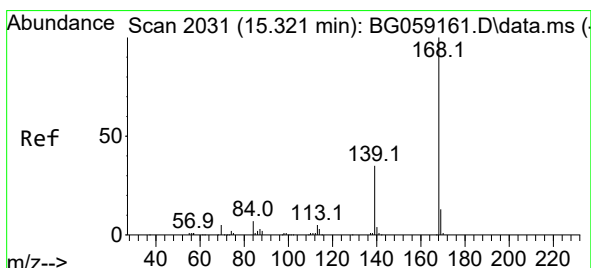
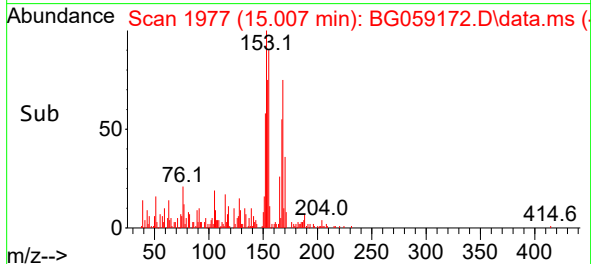
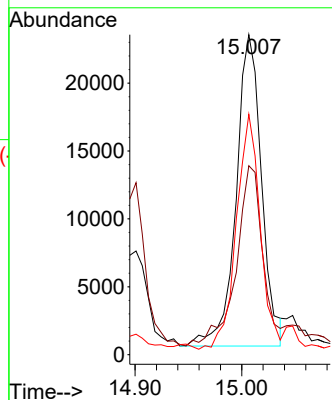
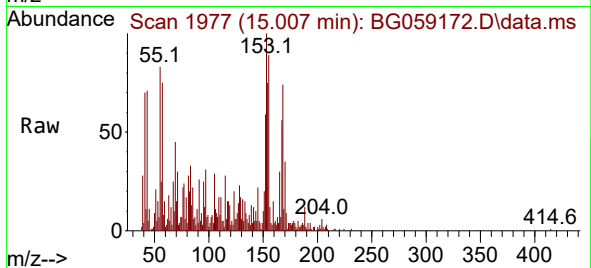
Tgt Ion:153 Resp: 38114
 Ion Ratio Lower Upper
 153 100
 152 59.1 36.0 54.0
 154 75.1 71.3 106.9

Manual Integrations

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Reviewed By :Yogesh Patel 09/23/2023

Supervised By :mohammad ahmed 09/23/2023



#56

Dibenzofuran

Concen: 3.904 ng/ul

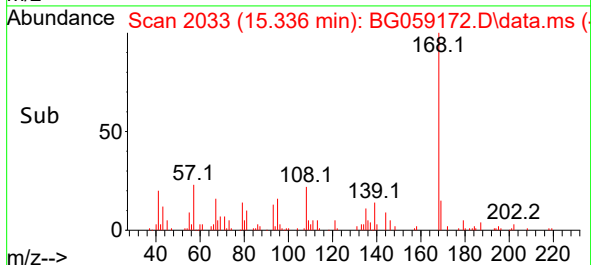
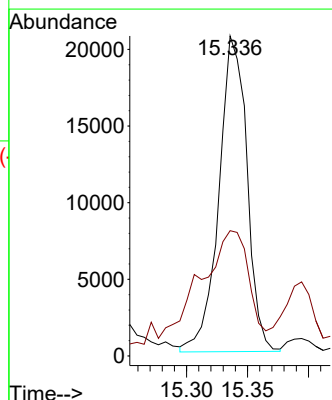
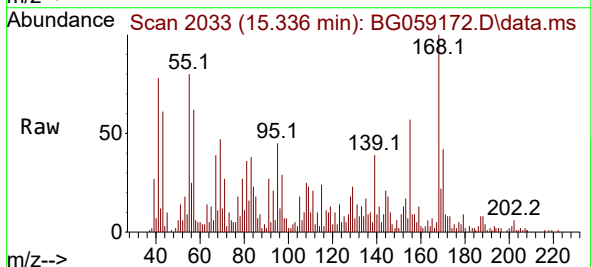
RT: 15.336 min Scan# 2033

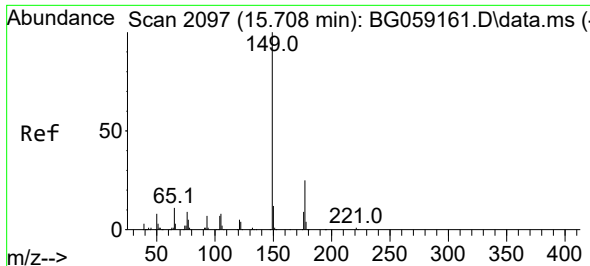
Delta R.T. 0.009 min

Lab File: BG059172.D

Acq: 22 Sep 2023 20:45

Tgt Ion:168 Resp: 33005
 Ion Ratio Lower Upper
 168 100
 139 39.1 26.3 39.5





#59

Diethylphthalate

Concen: 6.029 ng/ul

RT: 15.723 min Scan# 2099

Delta R.T. 0.009 min

Lab File: BG059172.D

Acq: 22 Sep 2023 20:45

Instrument :

BNA_G

ClientSampleId :

BBHJ4

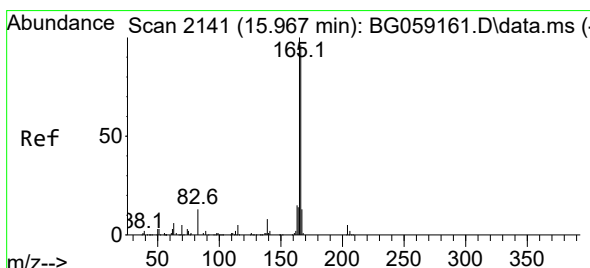
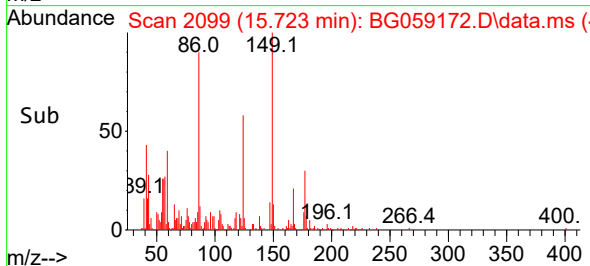
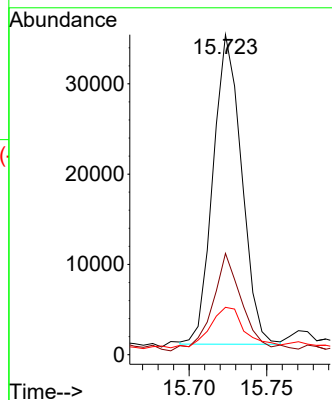
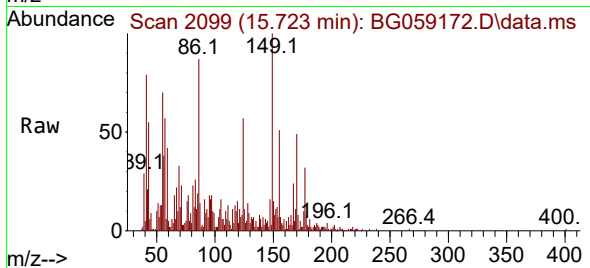
Tgt Ion:149 Resp: 43850
 Ion Ratio Lower Upper
 149 100
 177 31.6 19.4 29.2
 150 14.8 9.8 14.8

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#61

Fluorene

Concen: 8.115 ng/ul

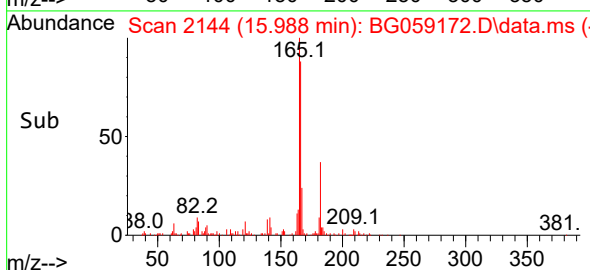
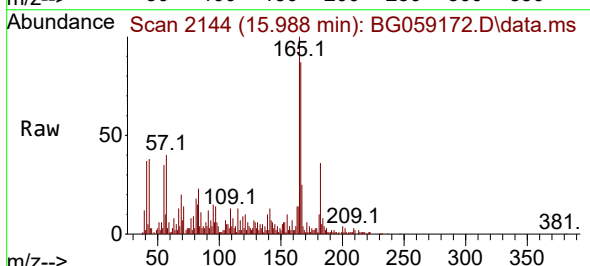
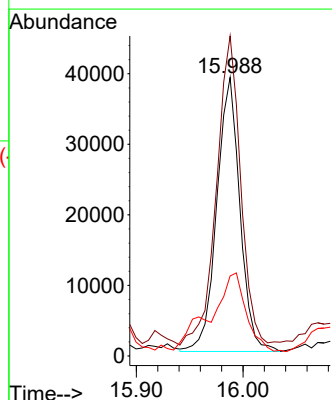
RT: 15.988 min Scan# 2144

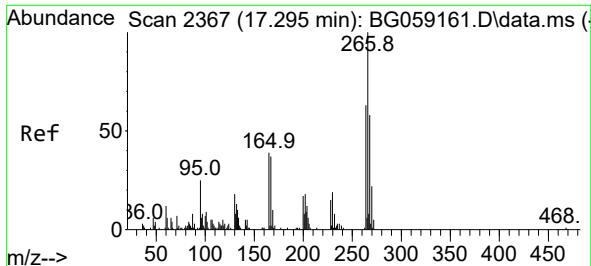
Delta R.T. 0.014 min

Lab File: BG059172.D

Acq: 22 Sep 2023 20:45

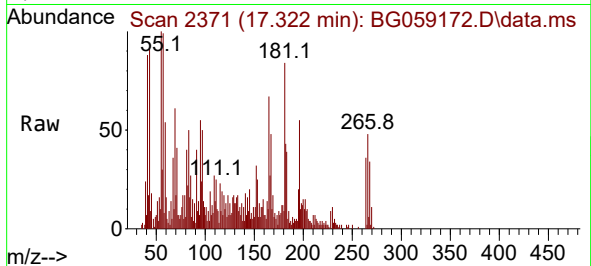
Tgt Ion:166 Resp: 58578
 Ion Ratio Lower Upper
 166 100
 165 114.9 81.6 122.4
 167 28.7 12.1 18.1





#71
Pentachlorophenol
Concen: 9.109 ng/ul
RT: 17.322 min Scan# 21
Delta R.T. 0.026 min
Lab File: BG059172.D
Acq: 22 Sep 2023 20:45

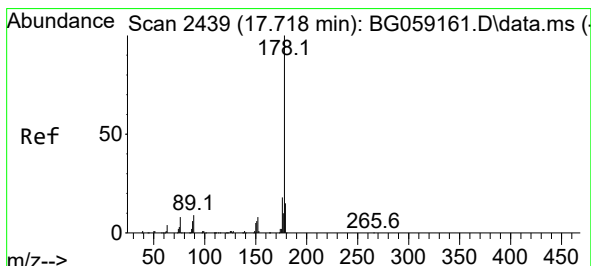
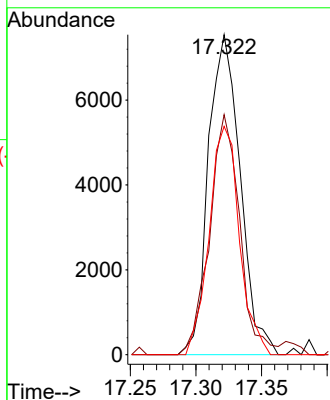
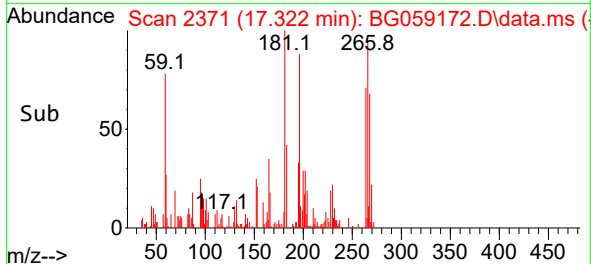
Instrument :
BNA_G
ClientSampleId :
BBHJ4



Tgt Ion:266 Resp: 1269
Ion Ratio Lower Upper
266 100
264 75.0 50.6 76.0
268 71.4 56.4 84.6

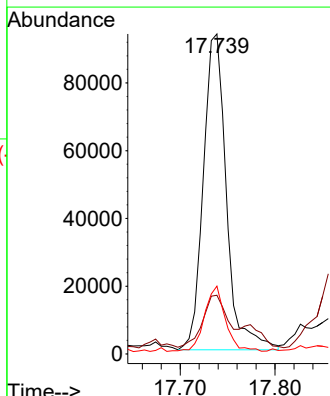
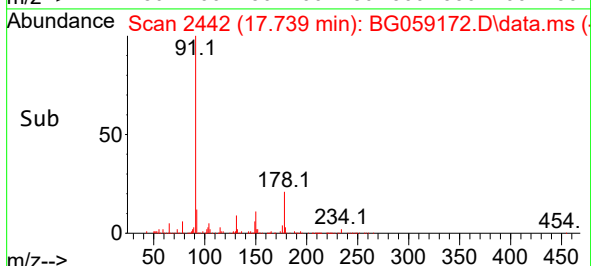
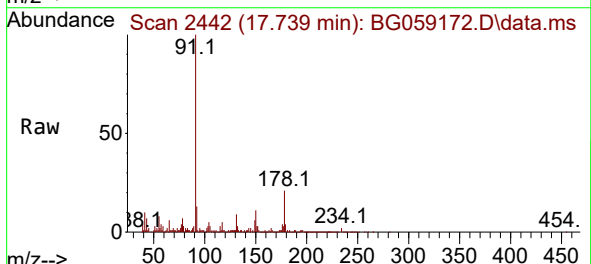
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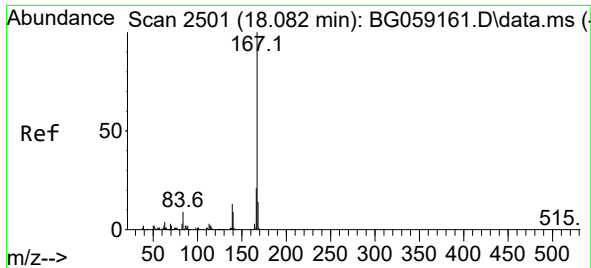
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023



#72
Phenanthrene
Concen: 14.686 ng/ul
RT: 17.739 min Scan# 2442
Delta R.T. 0.020 min
Lab File: BG059172.D
Acq: 22 Sep 2023 20:45

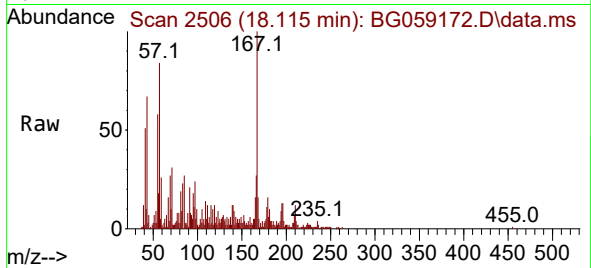
Tgt Ion:178 Resp: 158206
Ion Ratio Lower Upper
178 100
179 18.4 11.8 17.8#
176 21.2 14.6 21.8





#77
 Carbazole
 Concen: 5.893 ng/ul
 RT: 18.115 min Scan# 2506
 Delta R.T. 0.026 min
 Lab File: BG059172.D
 Acq: 22 Sep 2023 20:45

Instrument :
 BNA_G
 ClientSampleId :
 BBHJ4



Tgt Ion	Ratio	Lower	Upper
167	100		
166	26.8	16.7	25.1
139	11.6	9.4	14.0

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