

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
 Data File : BG059171.D
 Acq On : 22 Sep 2023 20:03
 Operator : MA/JU
 Sample : 04429-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BBBL9

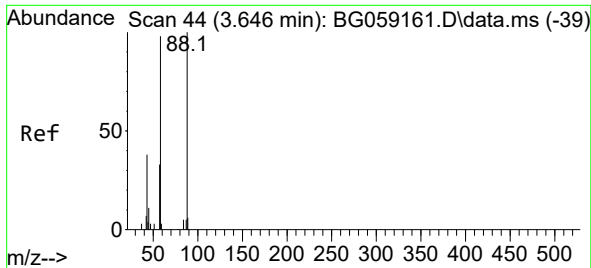
Manual Integrations
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Reviewed By :Yogesh Patel 09/23/2023
 Supervised By :mohammad ahmed 09/23/2023

Quant Time: Sep 23 01:28:05 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

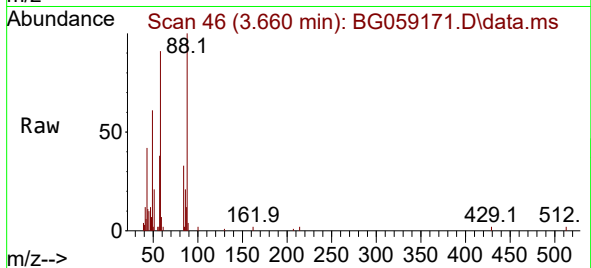
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.314	152	33965	20.000	ng/ul	# 0.01
20) Naphthalene-d8	11.157	136	252272m	20.000	ng/ul	0.01
38) Acenaphthene-d10	14.941	164	101969	20.000	ng/ul	0.01
64) Phenanthrene-d10	17.691	188	198441	20.000	ng/ul	0.01
79) Chrysene-d12	22.015	240	160451	20.000	ng/ul	0.02
88) Perylene-d12	25.576	264	189828	20.000	ng/ul	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.619	96	3741	4.311	ng/uL	0.00
4) Pyridine-d5	4.060	84	35403	13.907	ng/ul	0.01
7) Phenol-d5	7.444	99	12715	3.807	ng/ul	0.04
9) Bis-(2-Chloroethyl)eth...	7.632	67	45137	22.023	ng/ul	0.01
11) 2-Chlorophenol-d4	7.832	132	29562	11.995	ng/ul	0.02
15) 4-Methylphenol-d8	9.013	113	21148	7.951	ng/ul	0.03
21) Nitrobenzene-d5	9.506	128	23732	12.191	ng/ul	0.01
24) 2-Nitrophenol-d4	10.229	143	18599	9.458	ng/ul	0.02
28) 2,4-Dichlorophenol-d3	10.764	165	37148	9.950	ng/ul	0.03
31) 4-Chloroaniline-d4	11.304	131	65541m	11.248	ng/ul	0.02
46) Dimethylphthalate-d6	14.336	166	131762	16.802	ng/ul	0.01
49) Acenaphthylene-d8	14.647	160	162527	17.021	ng/ul	0.02
54) 4-Nitrophenol-d4	15.117	143	665	0.465	ng/ul	0.02
60) Fluorene-d10	15.928	176	117565	16.378	ng/ul	0.01
65) 4,6-Dinitro-2-methylph...	16.040	200	2987	2.648	ng/ul	0.02
73) Anthracene-d10	17.791	188	166727	18.465	ng/ul	0.01
81) Pyrene-d10	20.059	212	181564	19.360	ng/ul	0.01
92) Benzo(a)pyrene-d12	25.323	264	164496	17.747	ng/ul	0.03
Target Compounds						
2) 1,4-Dioxane	3.660	88	14735	15.017	ng/uL#	81
8) Phenol	7.473	94	119811	34.903	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.732	93	15973	5.796	ng/ul#	89
13) 2-Methylphenol	8.748	108	53526	21.011	ng/ul	96
16) Acetophenone	9.154	105	87316	21.323	ng/ul	92
18) 4-Methylphenol	9.077	108	373988	136.990	ng/ul	97
26) 2,4-Dimethylphenol	10.299	107	172898m	42.080	ng/ul	
29) 2,4-Dichlorophenol	10.793	162	25227m	6.685	ng/ul	
30) Naphthalene	11.210	128	429212	31.795	ng/ul	99
36) 2-Methylnaphthalene	12.791	142	348946m	38.704	ng/ul	
37) 1-Methylnaphthalene	13.008	142	416516m	45.733	ng/ul	
42) 2,4,5-Trichlorophenol	13.449	196	10146	4.805	ng/ul	97
43) 1,1'-Biphenyl	13.778	154	86458	10.623	ng/ul	94
52) Acenaphthene	15.006	153	28689	4.148	ng/ul#	85
56) Dibenzofuran	15.335	168	24904m	2.715	ng/ul	
59) Diethylphthalate	15.722	149	44959	5.696	ng/ul	98
61) Fluorene	15.981	166	47217	6.028	ng/ul#	93
71) Pentachlorophenol	17.321	266	11419	7.949	ng/ul	99
72) Phenanthrene	17.732	178	117532	10.584	ng/ul#	94
77) Carbazole	18.108	167	48863	5.180	ng/ul#	93

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



#2
1,4-Dioxane
Concen: 15.017 ng/uL
RT: 3.660 min Scan# 40
Delta R.T. 0.008 min
Lab File: BG059171.D
Acq: 22 Sep 2023 20:03

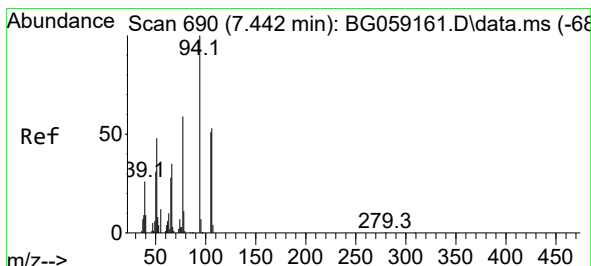
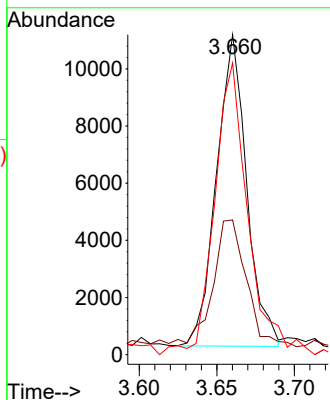
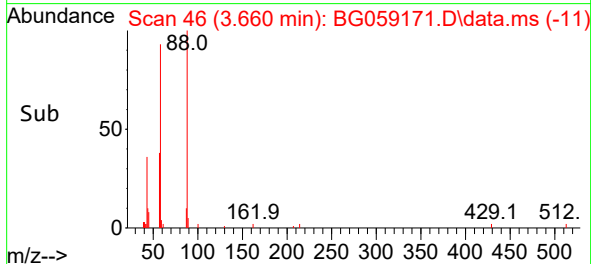
Instrument :
BNA_G
ClientSampleId :
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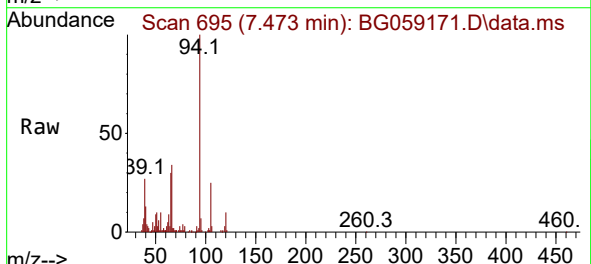
Tgt Ion: 88 Resp: 14735
Ion Ratio Lower Upper
88 100
43 42.1 24.5 36.7
58 91.1 60.6 91.0

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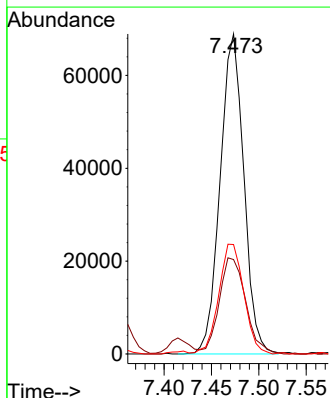
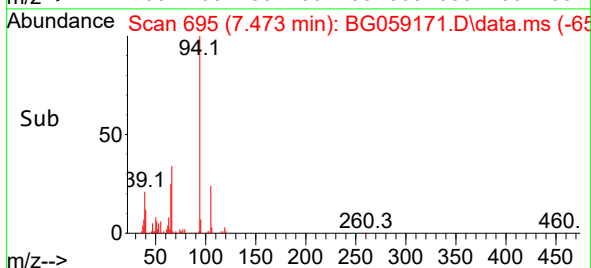
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023

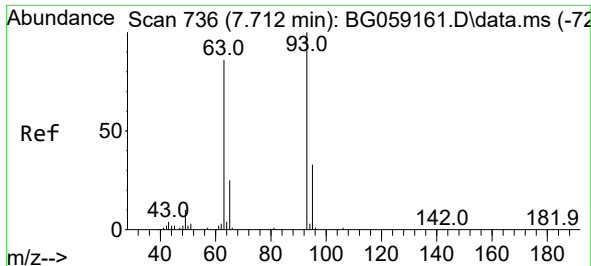


#8
Phenol
Concen: 34.903 ng/uL
RT: 7.473 min Scan# 695
Delta R.T. 0.037 min
Lab File: BG059171.D
Acq: 22 Sep 2023 20:03



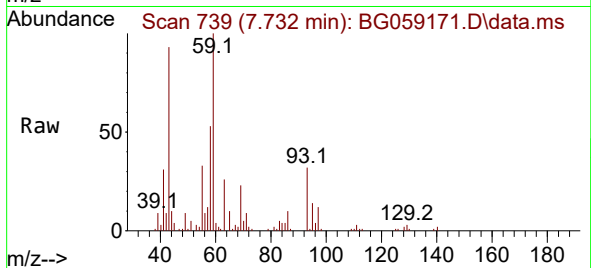
Tgt Ion: 94 Resp: 119811
Ion Ratio Lower Upper
94 100
65 29.5 24.4 36.6
66 34.2 28.4 42.6





#10
Bis(2-Chloroethyl)ether
Concen: 5.796 ng/ul
RT: 7.732 min Scan# 71
Delta R.T. 0.019 min
Lab File: BG059171.D
Acq: 22 Sep 2023 20:03

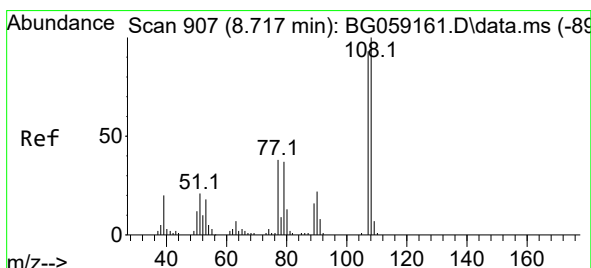
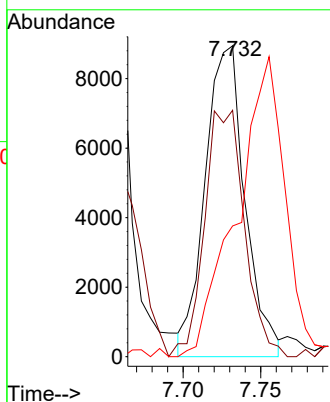
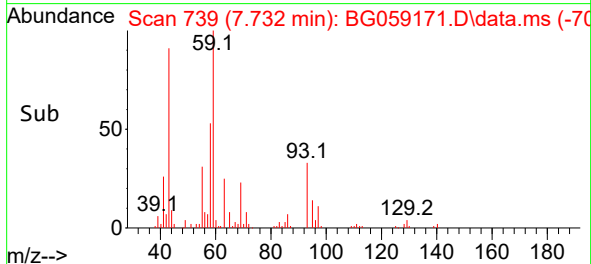
Instrument :
BNA_G
ClientSampleId :
BBBL9



Tgt Ion: 93 Resp: 1597
Ion Ratio Lower Upper
93 100
63 79.3 68.3 102.5
95 42.0 23.8 35.8

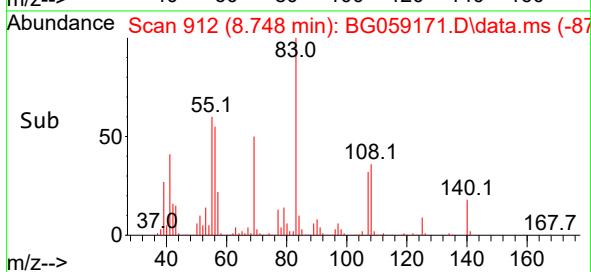
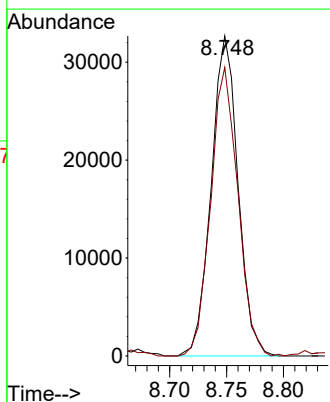
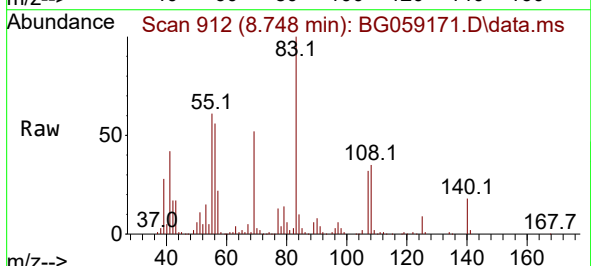
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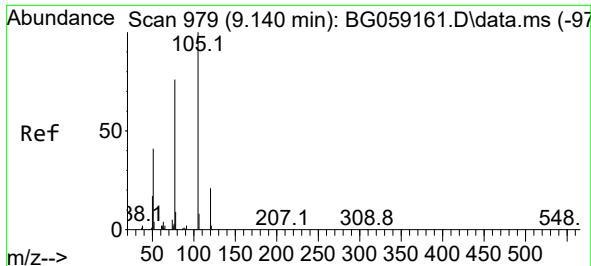
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023



#13
2-Methylphenol
Concen: 21.011 ng/ul
RT: 8.748 min Scan# 912
Delta R.T. 0.031 min
Lab File: BG059171.D
Acq: 22 Sep 2023 20:03

Tgt Ion:108 Resp: 53526
Ion Ratio Lower Upper
108 100
107 90.2 75.1 112.7





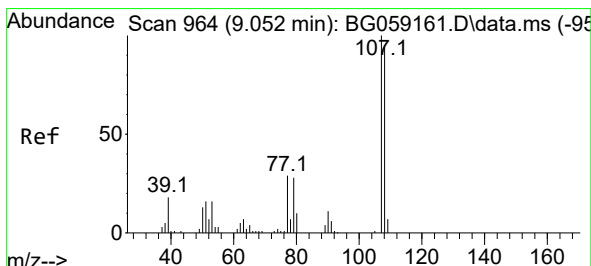
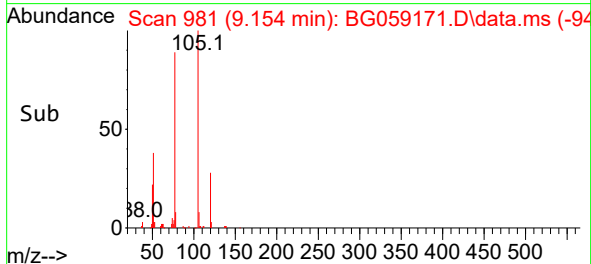
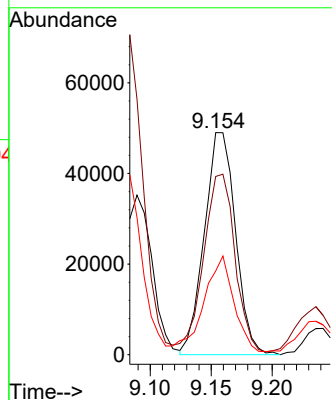
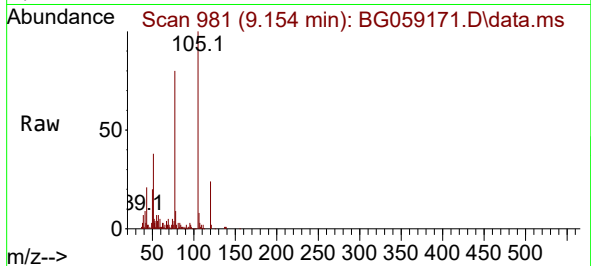
#16
Acetophenone
Concen: 21.323 ng/ul
RT: 9.154 min Scan# 981
Delta R.T. 0.014 min
Lab File: BG059171.D
Acq: 22 Sep 2023 20:03

Instrument :
BNA_G
ClientSampleId :
BBBL9

Tgt Ion:105 Resp: 87310
Ion Ratio Lower Upper
105 100
77 80.2 57.2 85.8
51 37.7 31.6 47.4

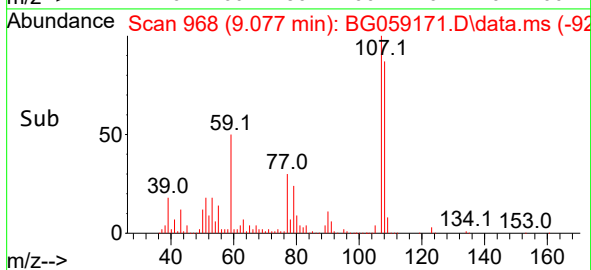
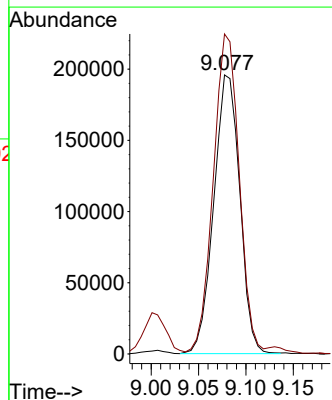
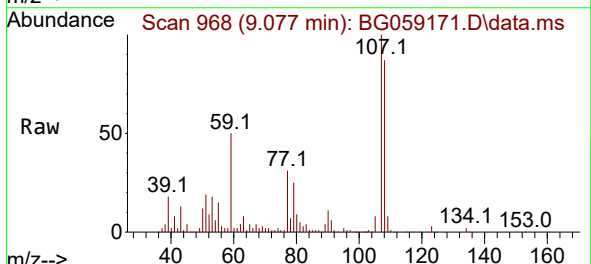
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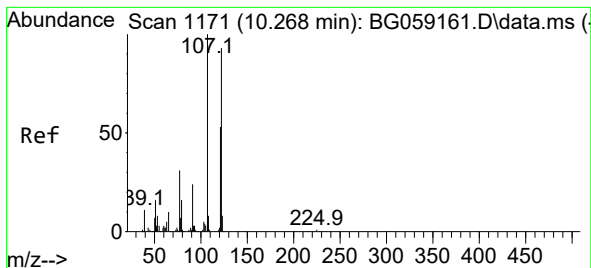
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023



#18
4-Methylphenol
Concen: 136.990 ng/ul
RT: 9.077 min Scan# 968
Delta R.T. 0.031 min
Lab File: BG059171.D
Acq: 22 Sep 2023 20:03

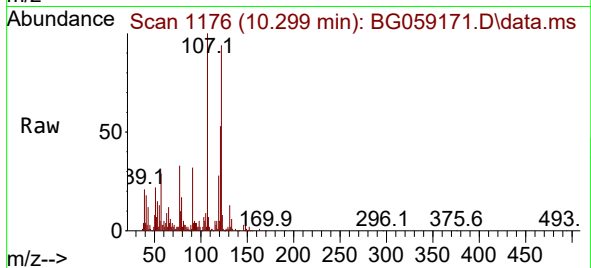
Tgt Ion:108 Resp: 373988
Ion Ratio Lower Upper
108 100
107 114.7 94.4 141.6





#26
2,4-Dimethylphenol
Concen: 42.080 ng/ul m
RT: 10.299 min Scan# 1176
Delta R.T. 0.031 min
Lab File: BG059171.D
Acq: 22 Sep 2023 20:03

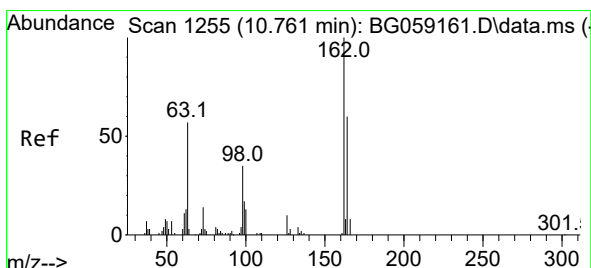
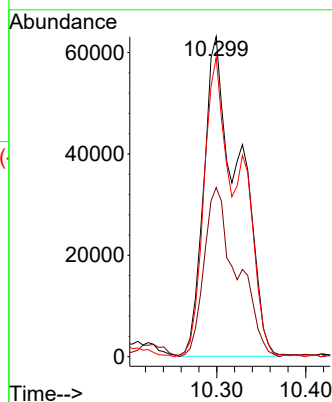
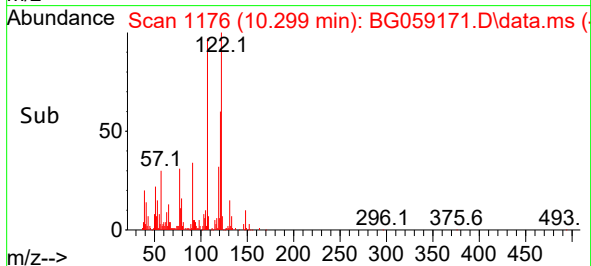
Instrument :
BNA_G
ClientSampleId :
BBBL9



Tgt Ion:107 Resp: 172898
Ion Ratio Lower Upper
107 100
121 52.8 41.4 62.0
122 93.6 80.6 120.8

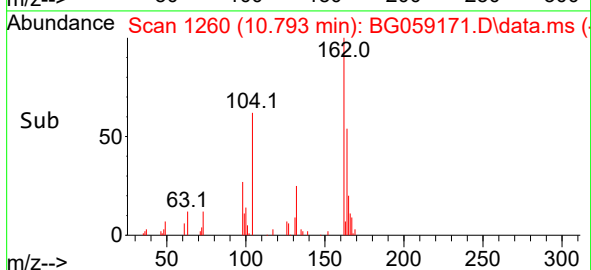
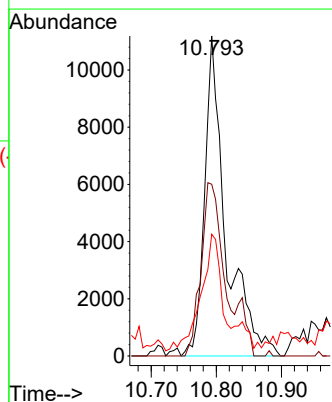
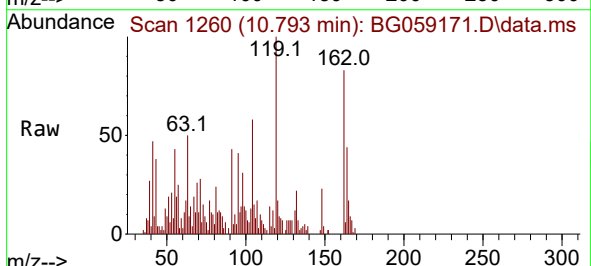
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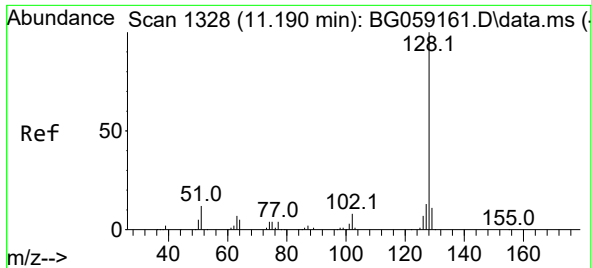
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023



#29
2,4-Dichlorophenol
Concen: 6.685 ng/ul m
RT: 10.793 min Scan# 1260
Delta R.T. 0.025 min
Lab File: BG059171.D
Acq: 22 Sep 2023 20:03

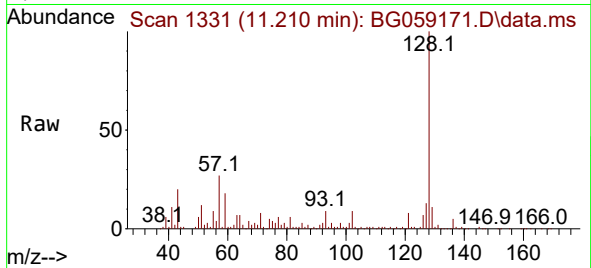
Tgt Ion:162 Resp: 25227
Ion Ratio Lower Upper
162 100
164 53.6 49.8 74.8
98 38.1 25.9 38.9





#30
Naphthalene
Concen: 31.795 ng/ul
RT: 11.210 min Scan# 11
Delta R.T. 0.014 min
Lab File: BG059171.D
Acq: 22 Sep 2023 20:03

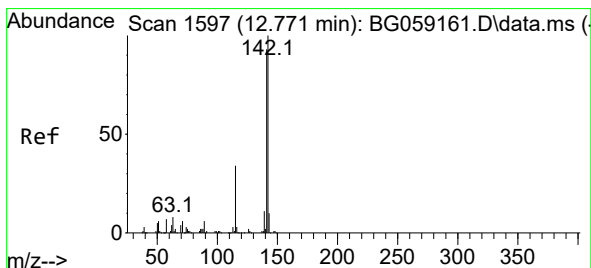
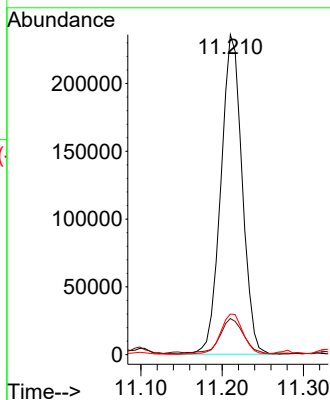
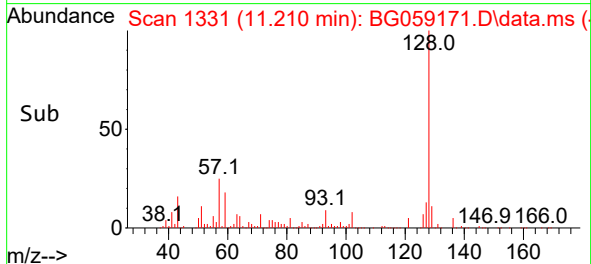
Instrument :
BNA_G
ClientSampleId :
BBBL9



Tgt Ion:128 Resp: 42921
Ion Ratio Lower Upper
128 100
129 11.3 8.4 12.6
127 12.7 10.2 15.4

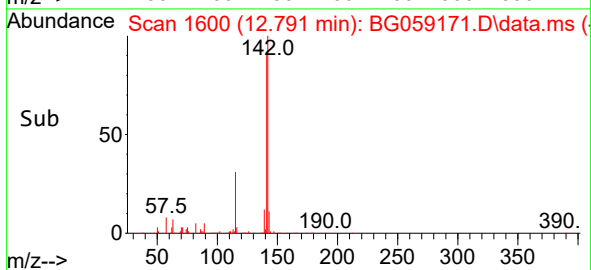
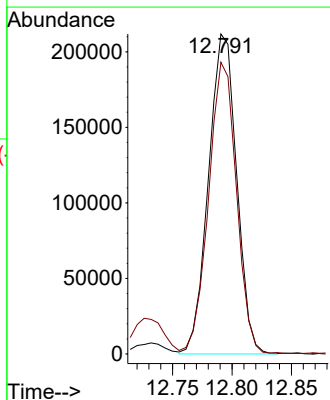
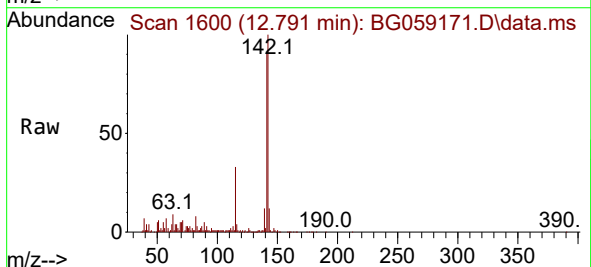
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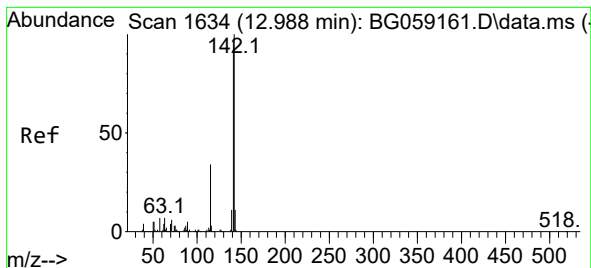
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023



#36
2-Methylnaphthalene
Concen: 38.704 ng/ul m
RT: 12.791 min Scan# 1600
Delta R.T. 0.014 min
Lab File: BG059171.D
Acq: 22 Sep 2023 20:03

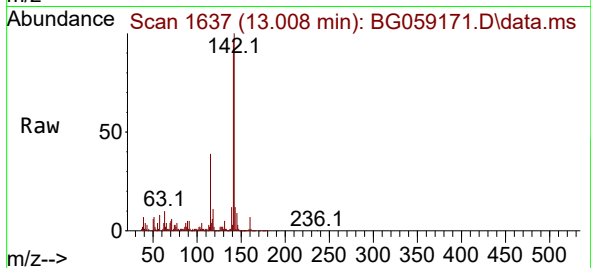
Tgt Ion:142 Resp: 348946
Ion Ratio Lower Upper
142 100
141 91.1 70.6 106.0





#37
1-Methylnaphthalene
Concen: 45.733 ng/ul m
RT: 13.008 min Scan# 1
Delta R.T. 0.019 min
Lab File: BG059171.D
Acq: 22 Sep 2023 20:03

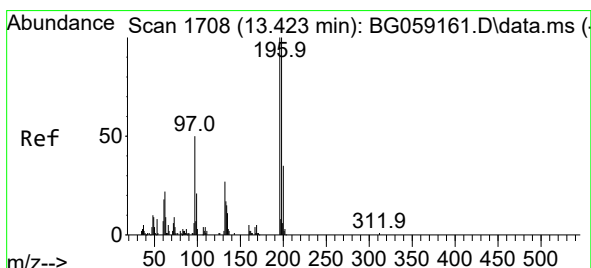
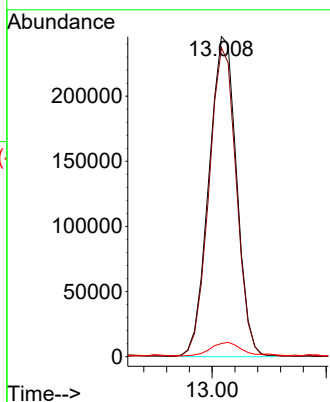
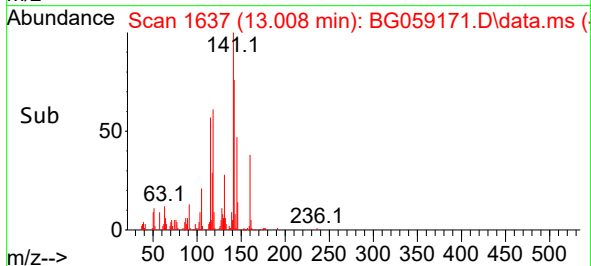
Instrument :
BNA_G
ClientSampleId :
BBBL9



Tgt Ion:142 Resp: 416510
Ion Ratio Lower Upper
142 100
141 96.6 72.0 108.0
116 4.1 2.7 4.1

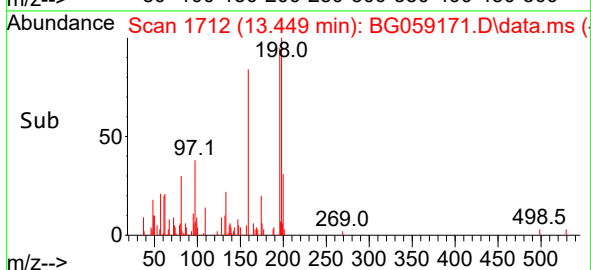
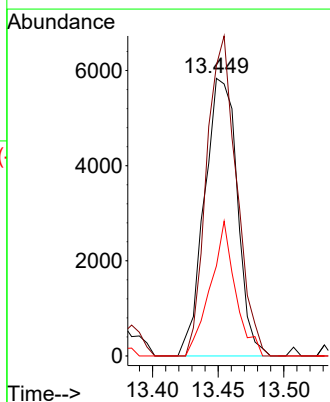
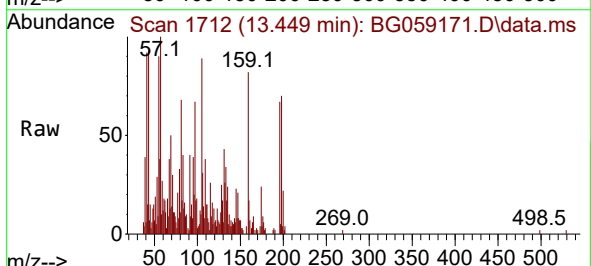
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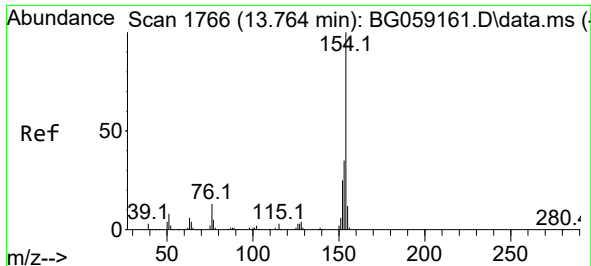
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023



#42
2,4,5-Trichlorophenol
Concen: 4.805 ng/ul
RT: 13.449 min Scan# 1712
Delta R.T. 0.025 min
Lab File: BG059171.D
Acq: 22 Sep 2023 20:03

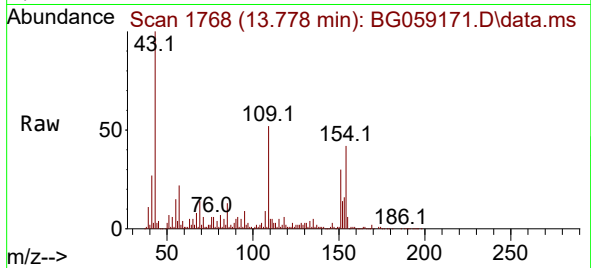
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Ion Ratio Lower Upper
196 100
198 104.7 81.0 121.6
200 32.4 27.1 40.7





#43
1,1'-Biphenyl
Concen: 10.623 ng/ul
RT: 13.778 min Scan# 1768
Delta R.T. 0.014 min
Lab File: BG059171.D
Acq: 22 Sep 2023 20:03

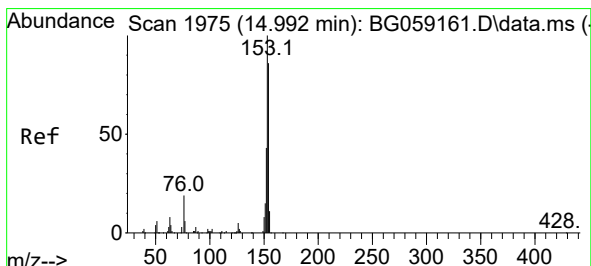
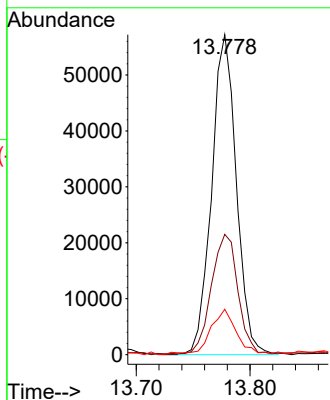
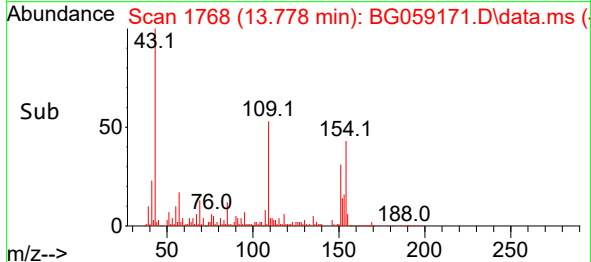
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BNA_G
ClientSampleId :
BBBL9



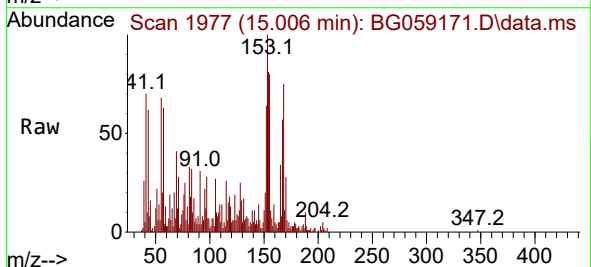
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Ion Ratio Lower Upper
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153 37.6 33.2 49.8
76 14.2 9.8 14.8

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APPROVED

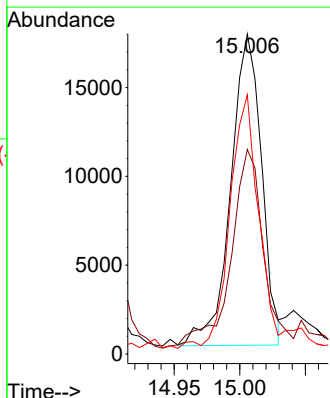
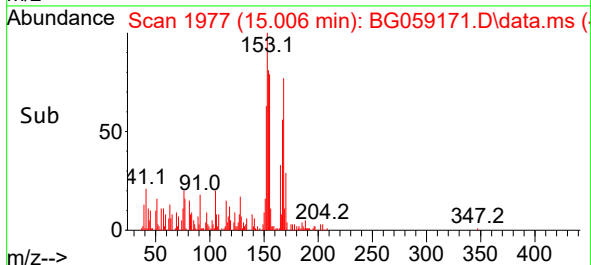
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023

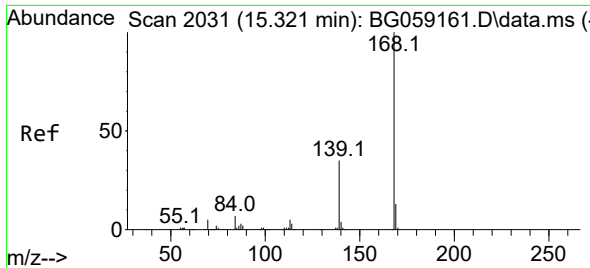


#52
Acenaphthene
Concen: 4.148 ng/ul
RT: 15.006 min Scan# 1977
Delta R.T. 0.014 min
Lab File: BG059171.D
Acq: 22 Sep 2023 20:03



Tgt Ion:153 Resp: 28689
Ion Ratio Lower Upper
153 100
152 63.9 36.0 54.0#
154 81.0 71.3 106.9





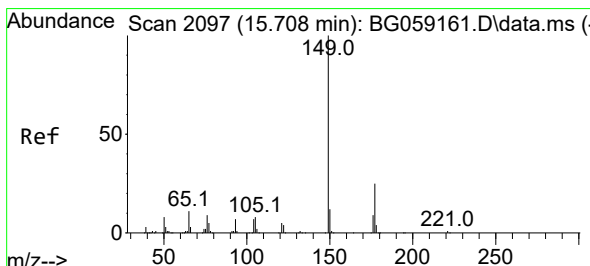
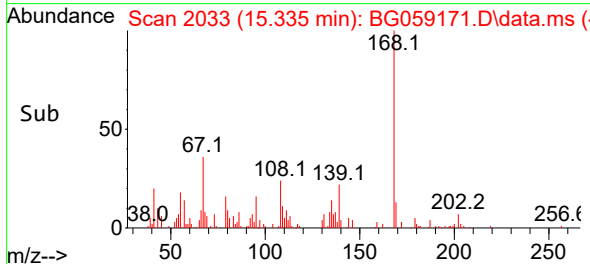
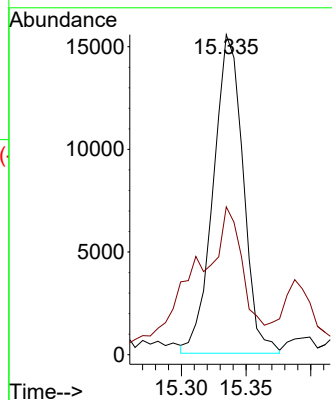
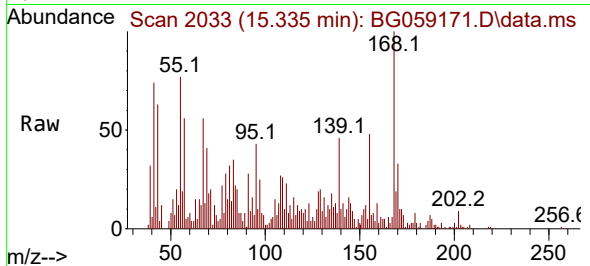
#56
Dibenzo(furan)
Concen: 2.715 ng/ul m
RT: 15.335 min Scan# 2033
Delta R.T. 0.008 min
Lab File: BG059171.D
Acq: 22 Sep 2023 20:03

Instrument :
BNA_G
ClientSampleId :
BBBL9

Tgt Ion:168 Resp: 24904
Ion Ratio Lower Upper
168 100
139 46.2 26.3 39.5

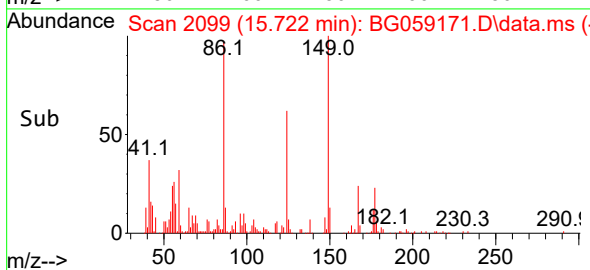
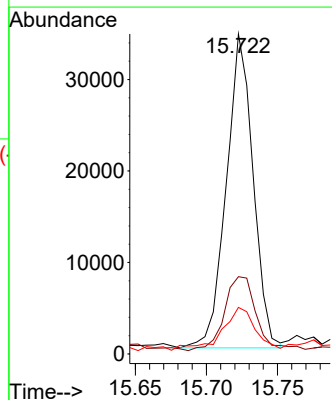
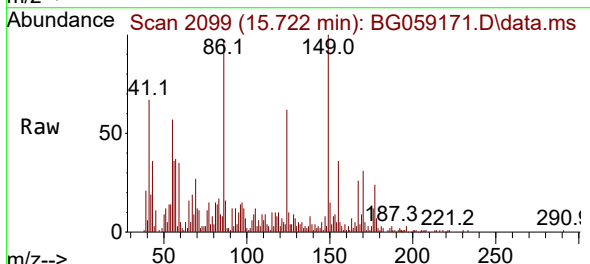
Manual Integrations
APPROVED

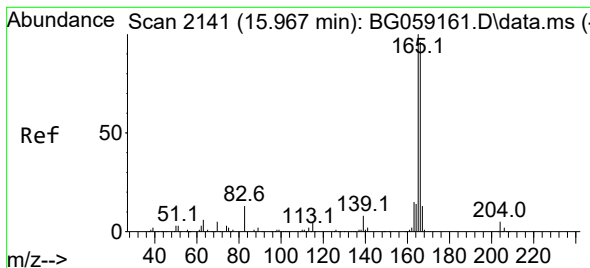
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023



#59
Diethylphthalate
Concen: 5.696 ng/ul
RT: 15.722 min Scan# 2099
Delta R.T. 0.008 min
Lab File: BG059171.D
Acq: 22 Sep 2023 20:03

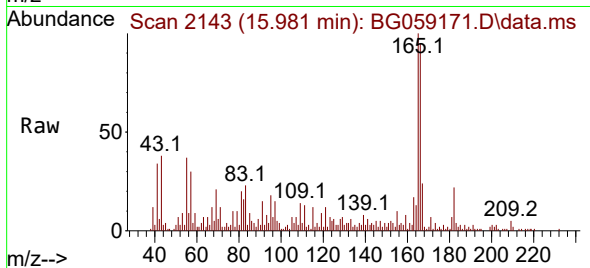
Tgt Ion:149 Resp: 44959
Ion Ratio Lower Upper
149 100
177 24.2 19.4 29.2
150 14.5 9.8 14.8





#61
Fluorene
Concen: 6.028 ng/ul
RT: 15.981 min Scan# 2143
Delta R.T. 0.008 min
Lab File: BG059171.D
Acq: 22 Sep 2023 20:03

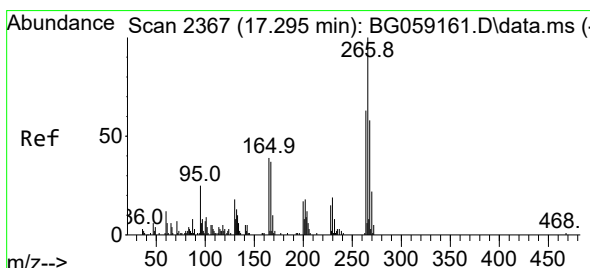
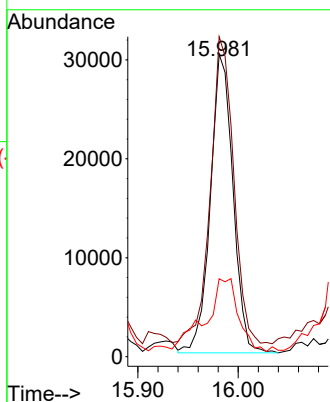
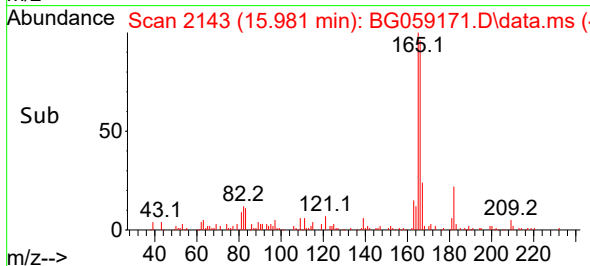
Instrument :
BNA_G
ClientSampleId :
BBBL9



Tgt Ion:166 Resp: 4721
Ion Ratio Lower Upper
166 100
165 105.8 81.6 122.4
167 25.8 12.1 18.1

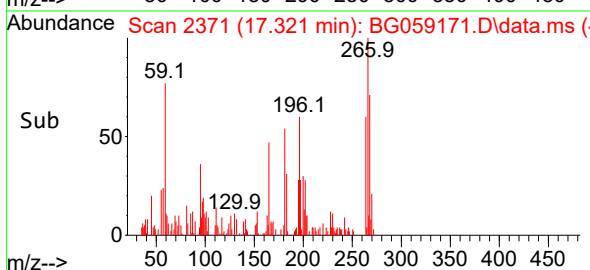
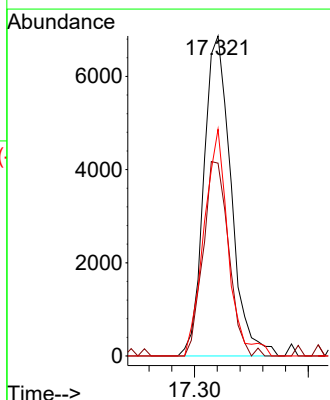
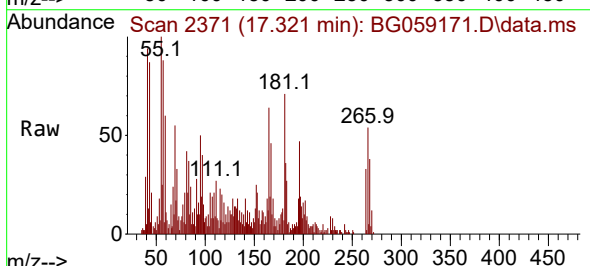
Manual Integrations
APPROVED

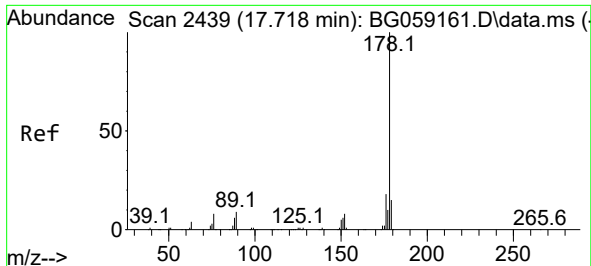
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023



#71
Pentachlorophenol
Concen: 7.949 ng/ul
RT: 17.321 min Scan# 2371
Delta R.T. 0.025 min
Lab File: BG059171.D
Acq: 22 Sep 2023 20:03

Tgt Ion:266 Resp: 11419
Ion Ratio Lower Upper
266 100
264 64.0 50.6 76.0
268 70.8 56.4 84.6





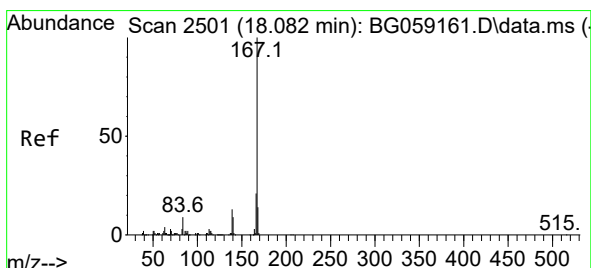
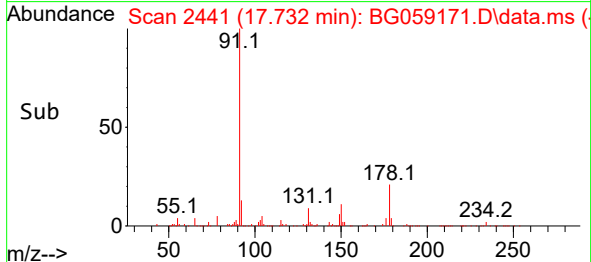
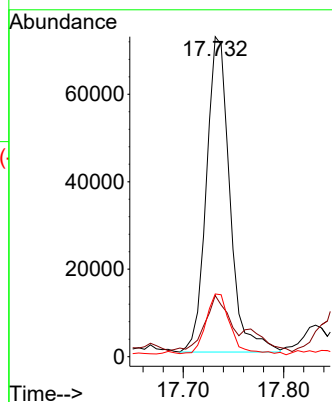
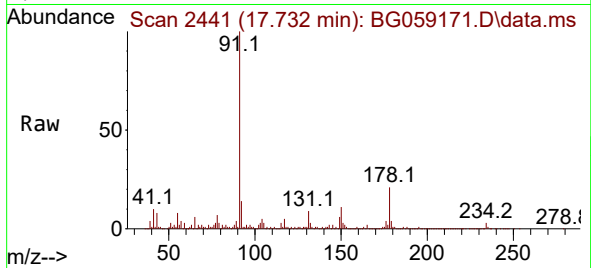
#72
Phenanthrene
Concen: 10.584 ng/ul
RT: 17.732 min Scan# 2439
Delta R.T. 0.014 min
Lab File: BG059171.D
Acq: 22 Sep 2023 20:03

Instrument :
BNA_G
ClientSampleId :
BBBL9

Tgt Ion:178 Resp: 117532
Ion Ratio Lower Upper
178 100
179 19.1 11.8 17.8
176 19.6 14.6 21.8

Manual Integrations
APPROVED

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



#77
Carbazole
Concen: 5.180 ng/ul
RT: 18.108 min Scan# 2505
Delta R.T. 0.019 min
Lab File: BG059171.D
Acq: 22 Sep 2023 20:03

Tgt Ion:167 Resp: 48863
Ion Ratio Lower Upper
167 100
166 23.6 16.7 25.1
139 14.9 9.4 14.0

