

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
 Data File : BG059170.D
 Acq On : 22 Sep 2023 19:22
 Operator : MA/JU
 Sample : 04429-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BBBL8

Manual Integrations
 APPROVED

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

Quant Time: Sep 23 01:07:21 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

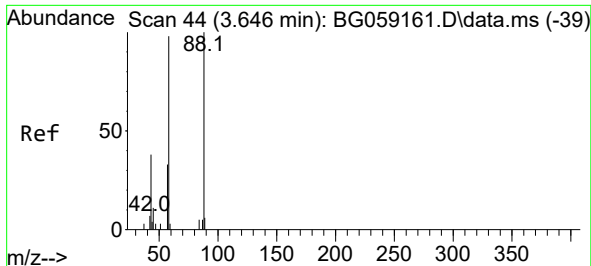
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.318	152	33033	20.000	ng/u1	0.02
20) Naphthalene-d8	11.162	136	238765m	20.000	ng/u1	0.02
38) Acenaphthene-d10	14.940	164	101899	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.690	188	213261	20.000	ng/u1	0.01
79) Chrysene-d12	22.014	240	176335	20.000	ng/u1	0.02
88) Perylene-d12	25.574	264	204720	20.000	ng/u1	0.03

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.618	96	3628	4.299	ng/uL	0.00
4) Pyridine-d5	4.058	84	30327	12.249	ng/u1	0.01
7) Phenol-d5	7.443	99	31204	9.607	ng/u1	0.04
9) Bis-(2-Chloroethyl)eth...	7.631	67	61721	30.965	ng/u1	0.01
11) 2-Chlorophenol-d4	7.831	132	63965	26.686	ng/u1	0.02
15) 4-Methylphenol-d8	9.011	113	51041	19.731	ng/u1	0.03
21) Nitrobenzene-d5	9.511	128	40282	21.863	ng/u1	0.02
24) 2-Nitrophenol-d4	10.228	143	41826	22.472	ng/u1	0.02
28) 2,4-Dichlorophenol-d3	10.768	165	78299	22.159	ng/u1	0.03
31) 4-Chloroaniline-d4	11.309	131	57047	10.344	ng/u1	0.02
46) Dimethylphthalate-d6	14.341	166	239959	30.619	ng/u1	0.02
49) Acenaphthylene-d8	14.640	160	294567	30.870	ng/u1	0.01
54) 4-Nitrophenol-d4	15.157	143	7631m	5.337	ng/u1	0.06
60) Fluorene-d10	15.927	176	217613	30.336	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	16.033	200	24887	20.526	ng/u1	0.01
73) Anthracene-d10	17.789	188	302791	31.204	ng/u1	0.01
81) Pyrene-d10	20.063	212	330009	32.019	ng/u1	0.02
92) Benzo(a)pyrene-d12	25.328	264	301310	30.142	ng/u1	0.04

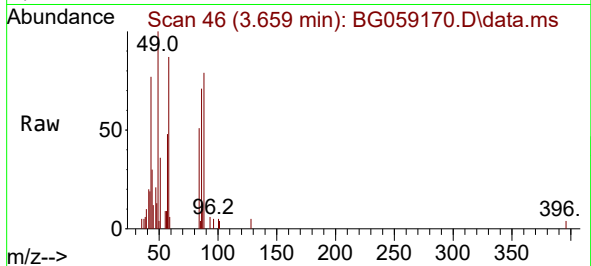
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.659	88	4057	4.251	ng/uL#	35
8) Phenol	7.472	94	222230	66.566	ng/u1	97
13) 2-Methylphenol	8.741	108	66101	26.679	ng/u1	94
16) Acetophenone	9.158	105	50763	12.746	ng/u1	93
18) 4-Methylphenol	9.076	108	295007	111.109	ng/u1	99
26) 2,4-Dimethylphenol	10.298	107	175024m	45.007	ng/u1	
29) 2,4-Dichlorophenol	10.798	162	13966m	3.910	ng/u1	
30) Naphthalene	11.215	128	1001433	78.381	ng/u1	98
36) 2-Methylnaphthalene	12.789	142	375406	43.994	ng/u1	98
37) 1-Methylnaphthalene	13.007	142	227010	26.336	ng/u1#	92
42) 2,4,5-Trichlorophenol	13.447	196	23764	11.262	ng/u1	97
43) 1,1'-Biphenyl	13.777	154	95792	11.777	ng/u1	97
52) Acenaphthene	15.004	153	9626	1.393	ng/u1	96
56) Dibenzofuran	15.334	168	9613	1.049	ng/u1#	79
59) Diethylphthalate	15.727	149	126533	16.043	ng/u1	98
61) Fluorene	15.986	166	12322	1.574	ng/u1#	97
71) Pentachlorophenol	17.314	266	18472	11.966	ng/u1	97
72) Phenanthrene	17.731	178	17674	1.481	ng/u1#	83
77) Carbazole	18.101	167	17729	1.749	ng/u1#	94
78) Di-n-butylphthalate	18.606	149	46892	3.755	ng/u1	97

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



#2
1,4-Dioxane
Concen: 4.251 ng/uL
RT: 3.659 min Scan# 405
Delta R.T. 0.007 min
Lab File: BG059170.D
Acq: 22 Sep 2023 19:22

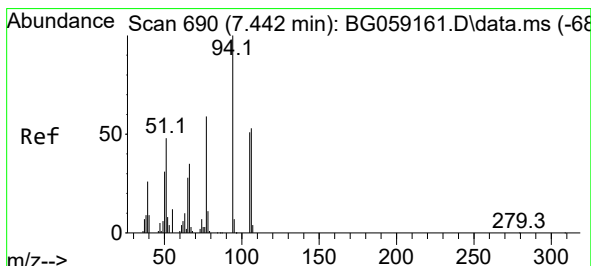
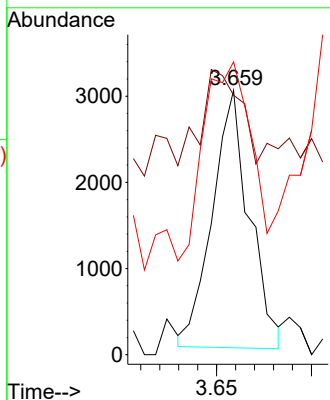
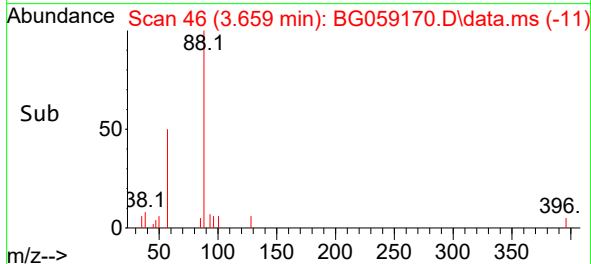
Instrument :
BNA_G
ClientSampleId :
BBBL8



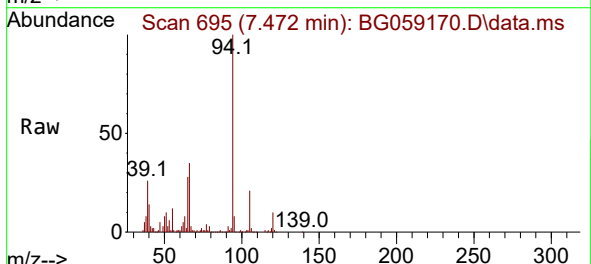
Tgt Ion: 88 Resp: 405
Ion Ratio Lower Upper
88 100
43 98.2 24.5 36.7
58 110.8 60.6 91.0

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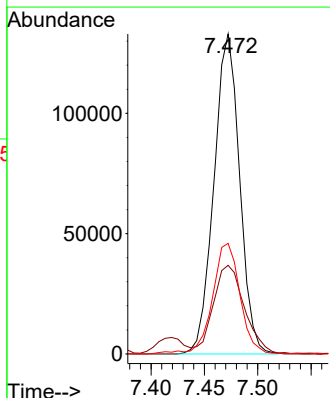
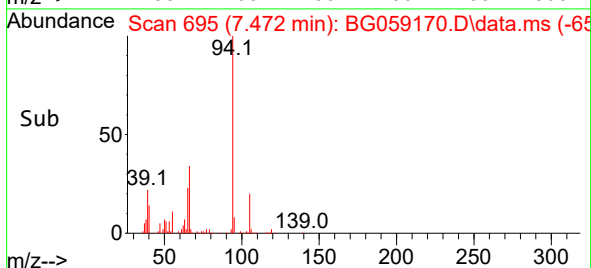
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023

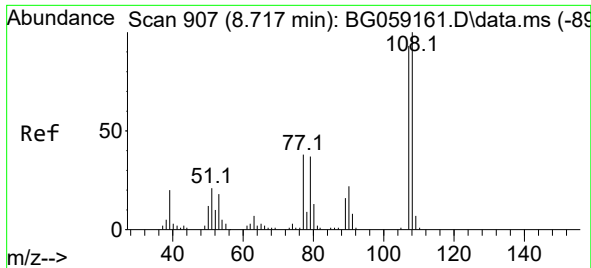


#8
Phenol
Concen: 66.566 ng/uL
RT: 7.472 min Scan# 695
Delta R.T. 0.036 min
Lab File: BG059170.D
Acq: 22 Sep 2023 19:22



Tgt Ion: 94 Resp: 222230
Ion Ratio Lower Upper
94 100
65 27.7 24.4 36.6
66 34.6 28.4 42.6





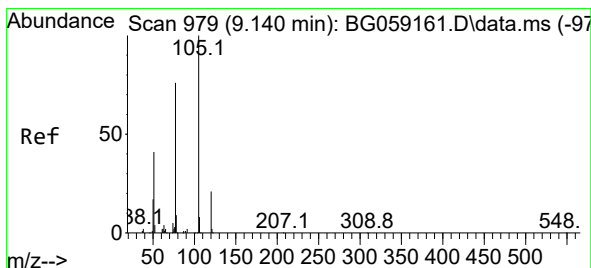
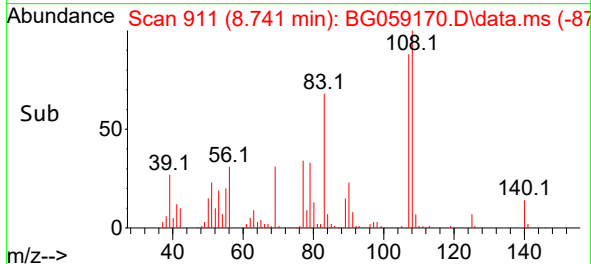
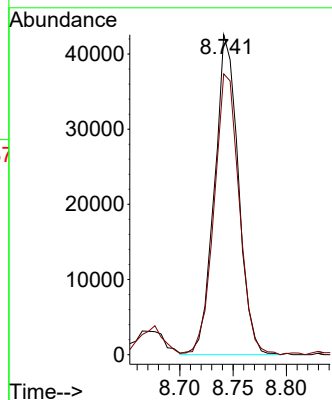
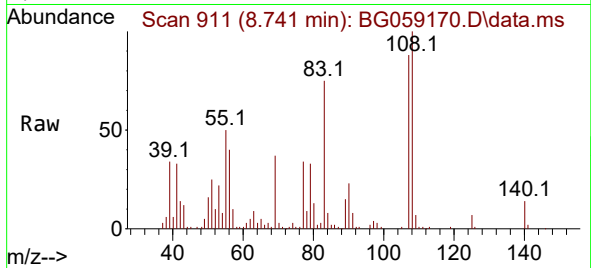
#13
2-Methylphenol
Concen: 26.679 ng/ul
RT: 8.741 min Scan# 911
Delta R.T. 0.024 min
Lab File: BG059170.D
Acq: 22 Sep 2023 19:22

Instrument :
BNA_G
ClientSampleId :
BBBL8

Tgt Ion:108 Resp: 6610
Ion Ratio Lower Upper
108 100
107 87.7 75.1 112.7

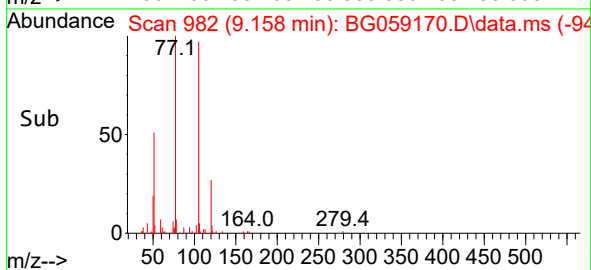
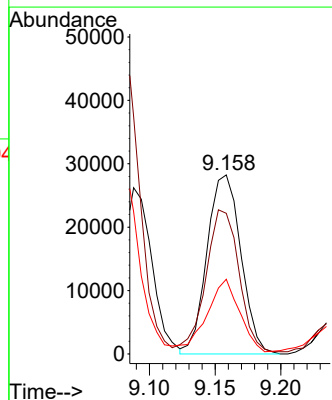
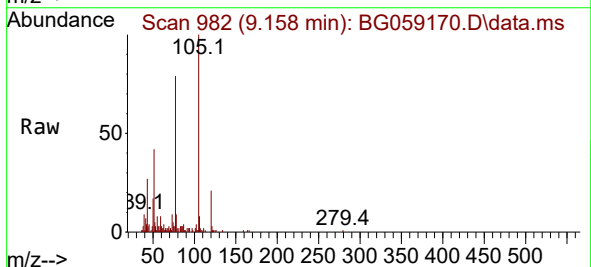
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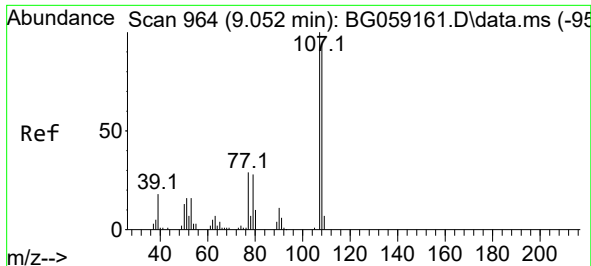
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023



#16
Acetophenone
Concen: 12.746 ng/ul
RT: 9.158 min Scan# 982
Delta R.T. 0.018 min
Lab File: BG059170.D
Acq: 22 Sep 2023 19:22

Tgt Ion:105 Resp: 50763
Ion Ratio Lower Upper
105 100
77 78.5 57.2 85.8
51 41.8 31.6 47.4





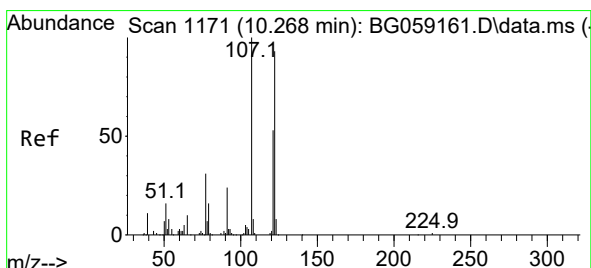
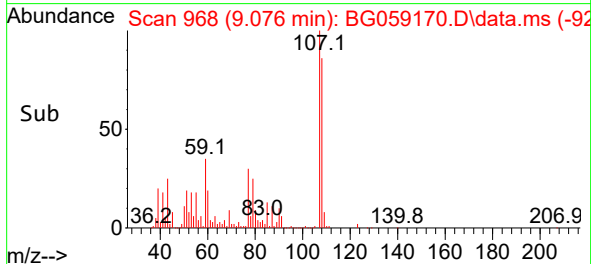
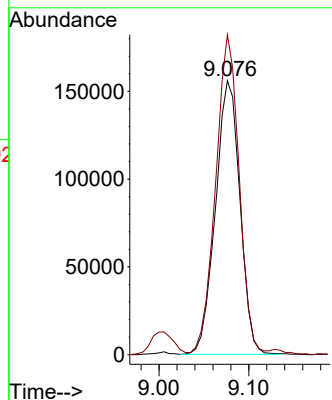
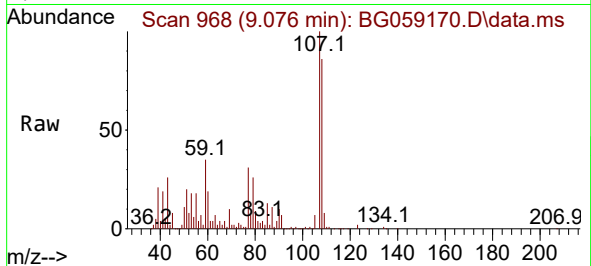
#18
4-Methylphenol
Concen: 111.109 ng/ul
RT: 9.076 min Scan# 90
Delta R.T. 0.030 min
Lab File: BG059170.D
Acq: 22 Sep 2023 19:22

Instrument :
BNA_G
ClientSampleId :
BBBL8

Tgt Ion:108 Resp: 29500
Ion Ratio Lower Upper
108 100
107 116.8 94.4 141.6

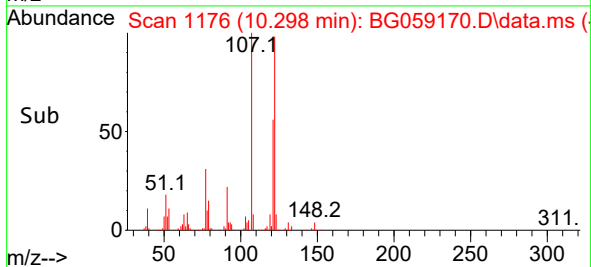
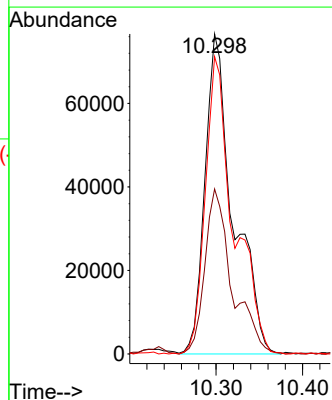
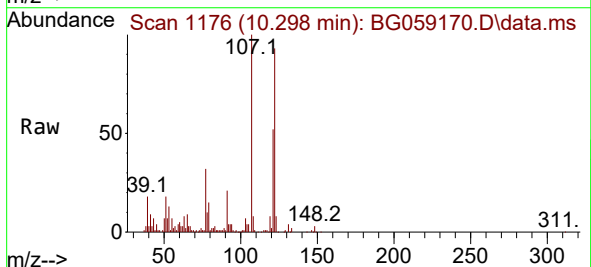
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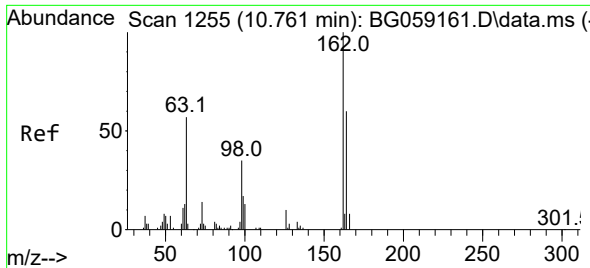
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023



#26
2,4-Dimethylphenol
Concen: 45.007 ng/ul m
RT: 10.298 min Scan# 1176
Delta R.T. 0.030 min
Lab File: BG059170.D
Acq: 22 Sep 2023 19:22

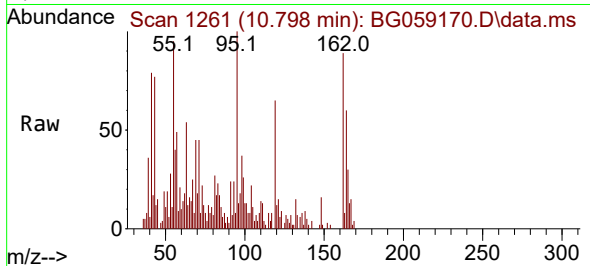
Tgt Ion:107 Resp: 175024
Ion Ratio Lower Upper
107 100
121 51.6 41.4 62.0
122 92.9 80.6 120.8





#29
2,4-Dichlorophenol
Concen: 3.910 ng/ul m
RT: 10.798 min Scan# 1261
Delta R.T. 0.030 min
Lab File: BG059170.D
Acq: 22 Sep 2023 19:22

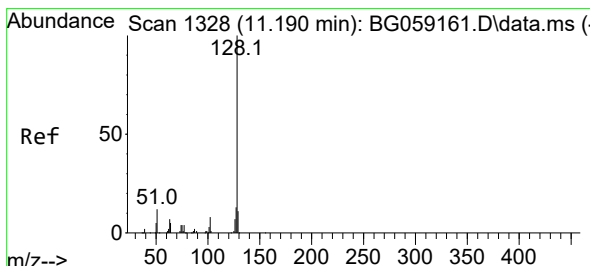
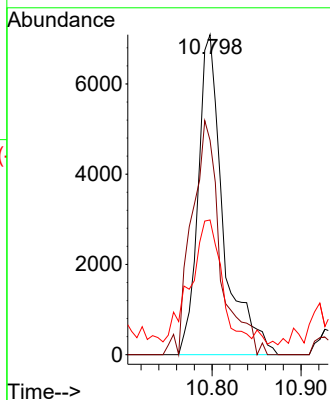
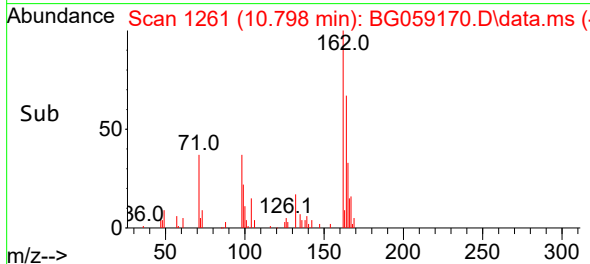
Instrument :
BNA_G
ClientSampleId :
BBBL8



Tgt Ion:162 Resp: 1396
Ion Ratio Lower Upper
162 100
164 67.0 49.8 74.8
98 42.1 25.9 38.9

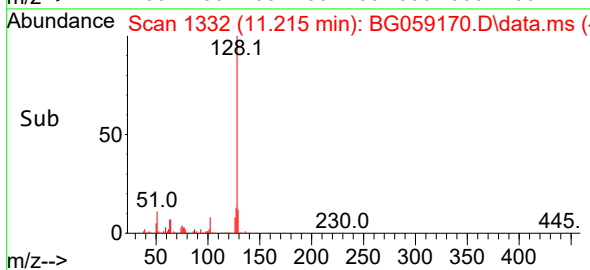
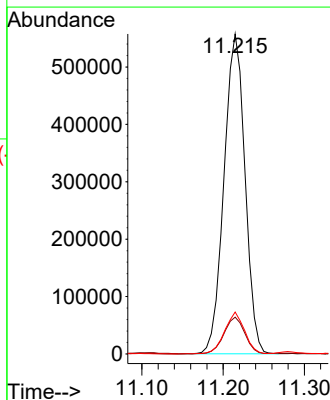
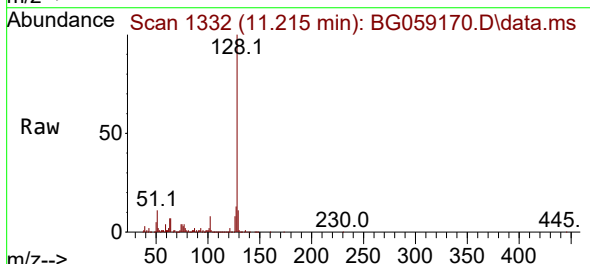
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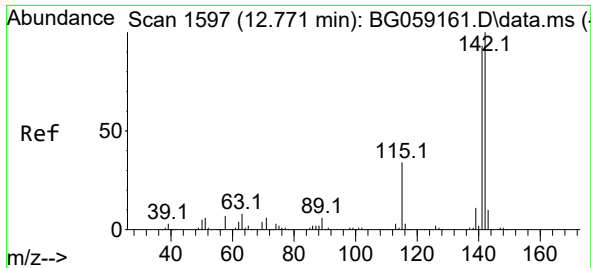
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023



#30
Naphthalene
Concen: 78.381 ng/ul
RT: 11.215 min Scan# 1332
Delta R.T. 0.018 min
Lab File: BG059170.D
Acq: 22 Sep 2023 19:22

Tgt Ion:128 Resp: 1001433
Ion Ratio Lower Upper
128 100
129 11.5 8.4 12.6
127 13.1 10.2 15.4





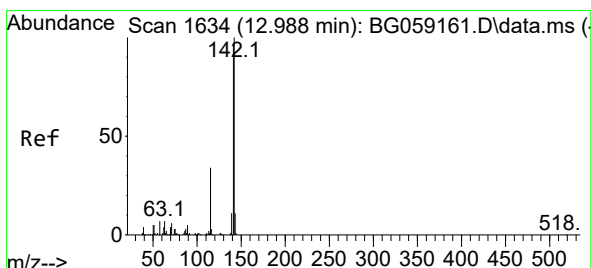
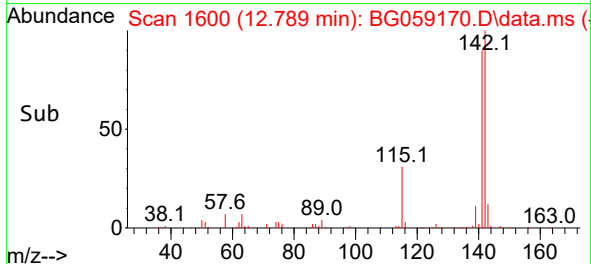
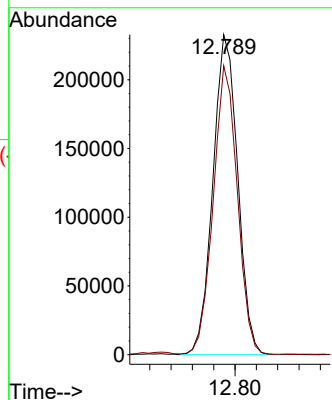
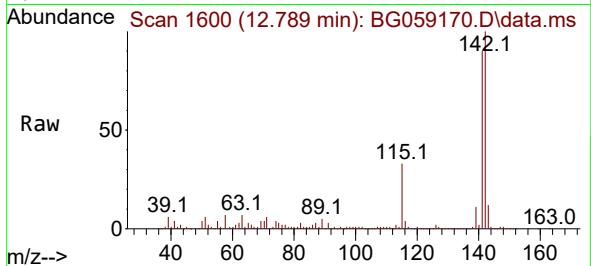
#36
2-Methylnaphthalene
Concen: 43.994 ng/ul
RT: 12.789 min Scan# 1597
Delta R.T. 0.012 min
Lab File: BG059170.D
Acq: 22 Sep 2023 19:22

Instrument :
BNA_G
ClientSampleId :
BBBL8

Tgt Ion:142 Resp: 375400
Ion Ratio Lower Upper
142 100
141 90.3 70.6 106.0

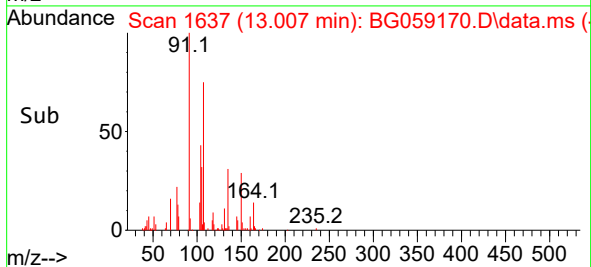
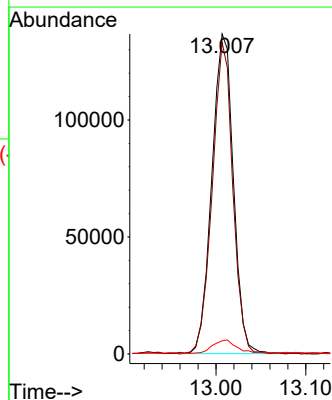
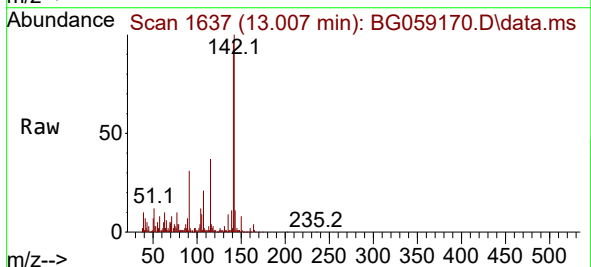
Manual Integrations
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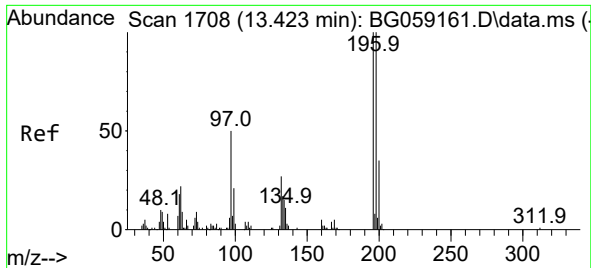
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023



#37
1-Methylnaphthalene
Concen: 26.336 ng/ul
RT: 13.007 min Scan# 1637
Delta R.T. 0.018 min
Lab File: BG059170.D
Acq: 22 Sep 2023 19:22

Tgt Ion:142 Resp: 227010
Ion Ratio Lower Upper
142 100
141 97.3 72.0 108.0
116 4.1 2.7 4.1#





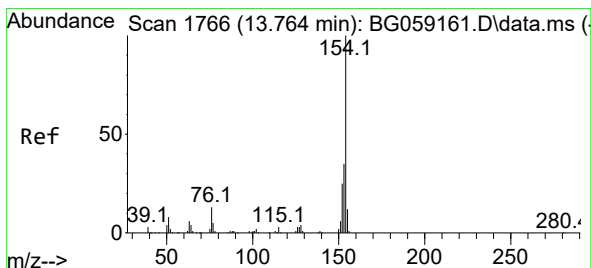
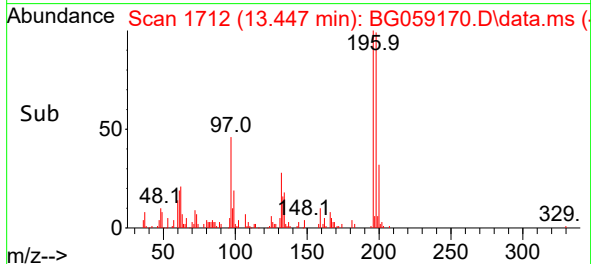
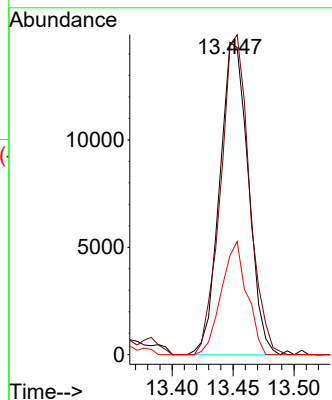
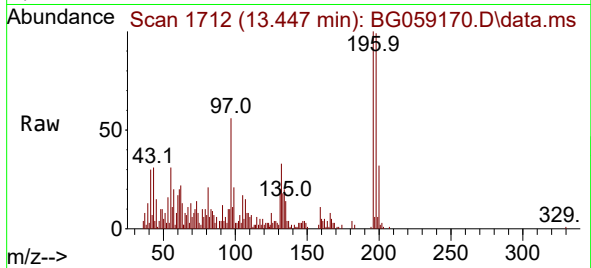
#42
2,4,5-Trichlorophenol
Concen: 11.262 ng/ul
RT: 13.447 min Scan# 1712
Delta R.T. 0.024 min
Lab File: BG059170.D
Acq: 22 Sep 2023 19:22

Instrument :
BNA_G
ClientSampleId :
BBBL8

Tgt Ion	Ratio	Lower	Upper
196	100		
198	98.9	81.0	121.6
200	31.7	27.1	40.7

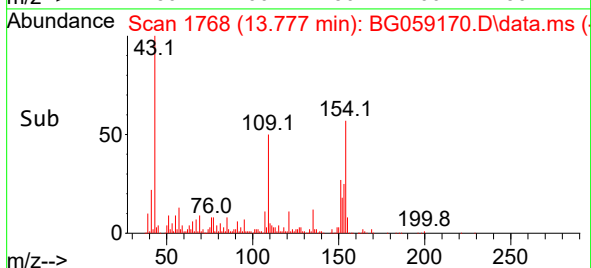
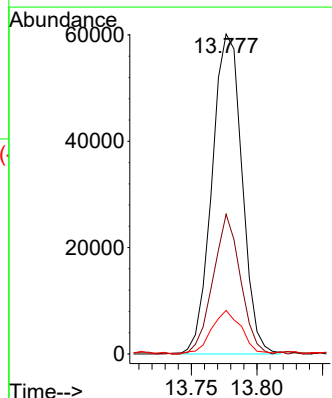
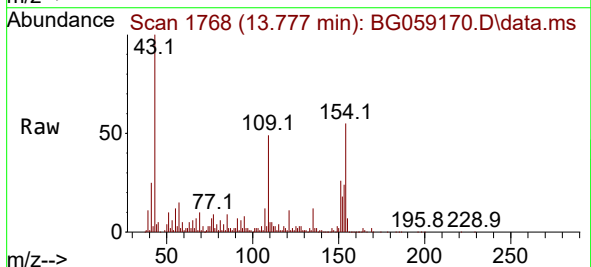
Manual Integrations
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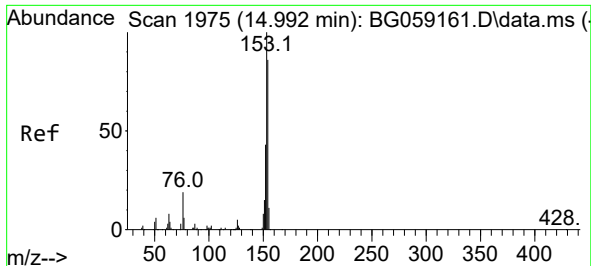
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023



#43
1,1'-Biphenyl
Concen: 11.777 ng/ul
RT: 13.777 min Scan# 1768
Delta R.T. 0.012 min
Lab File: BG059170.D
Acq: 22 Sep 2023 19:22

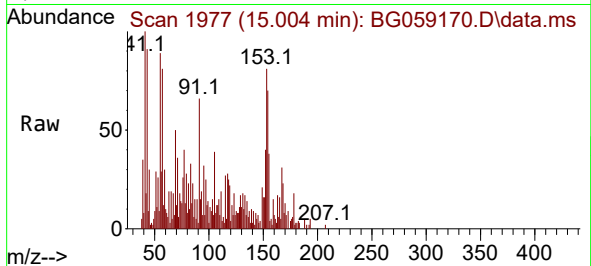
Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.7	33.2	49.8
76	13.6	9.8	14.8





#52
Acenaphthene
Concen: 1.393 ng/ul
RT: 15.004 min Scan# 1975
Delta R.T. 0.012 min
Lab File: BG059170.D
Acq: 22 Sep 2023 19:22

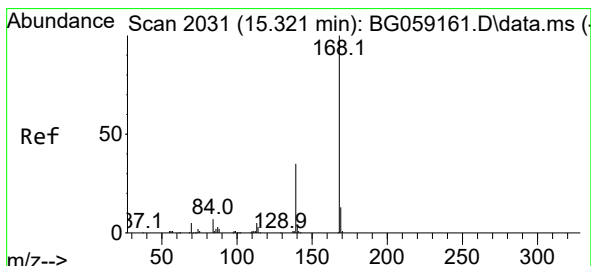
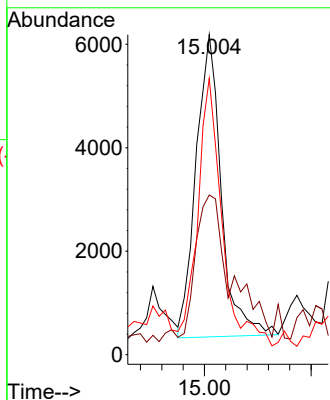
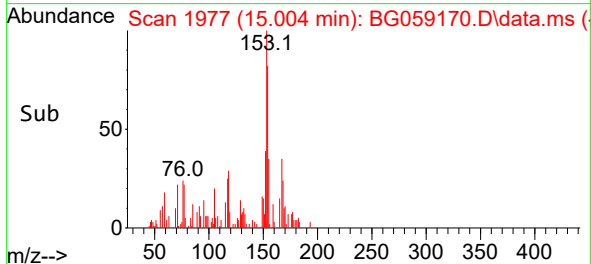
Instrument :
BNA_G
ClientSampleId :
BBBL8



Tgt Ion:153 Resp: 9620
Ion Ratio Lower Upper
153 100
152 49.9 36.0 54.0
154 86.3 71.3 106.9

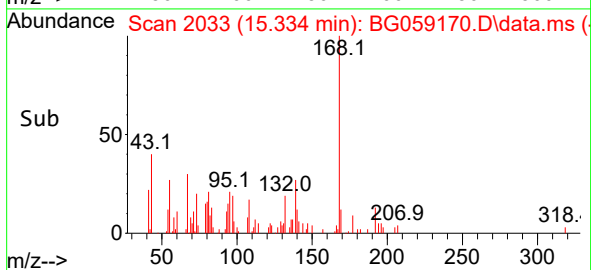
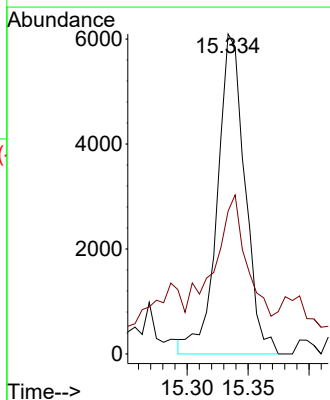
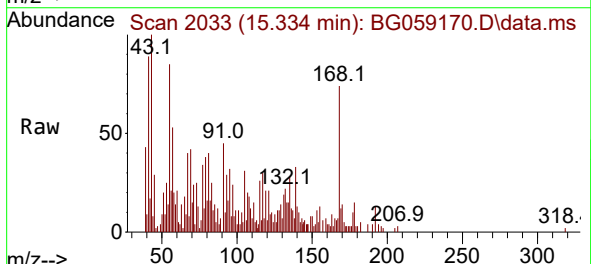
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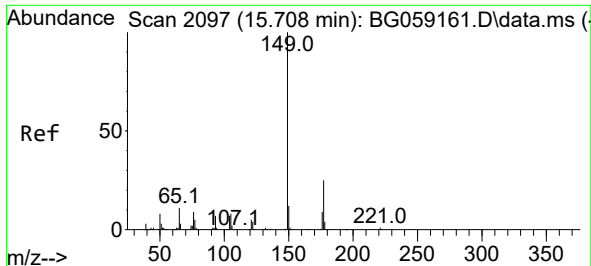
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023



#56
Dibenzofuran
Concen: 1.049 ng/ul
RT: 15.334 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BG059170.D
Acq: 22 Sep 2023 19:22

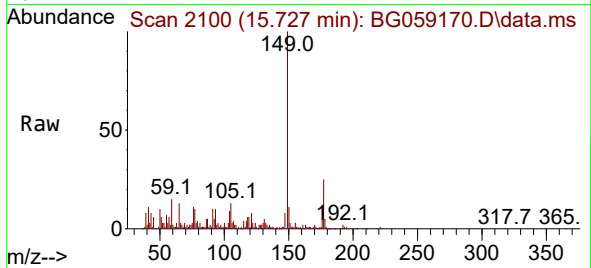
Tgt Ion:168 Resp: 9613
Ion Ratio Lower Upper
168 100
139 44.7 26.3 39.5#





#59
Diethylphthalate
Concen: 16.043 ng/ul
RT: 15.727 min Scan# 2100
Delta R.T. 0.012 min
Lab File: BG059170.D
Acq: 22 Sep 2023 19:22

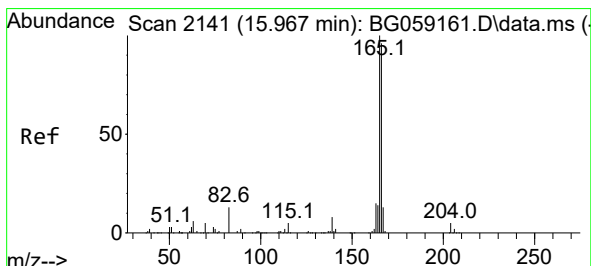
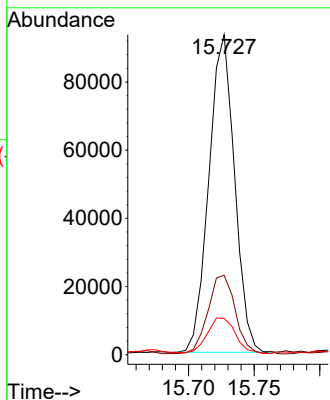
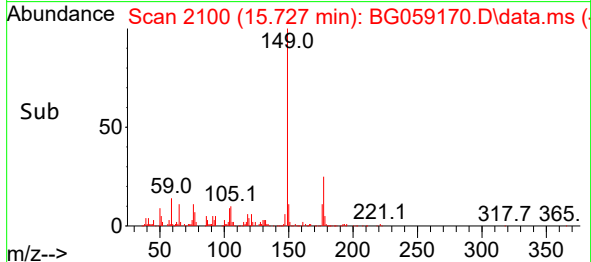
Instrument :
BNA_G
ClientSampleId :
BBBL8



Tgt Ion:149 Resp: 12653
Ion Ratio Lower Upper
149 100
177 24.8 19.4 29.2
150 11.3 9.8 14.8

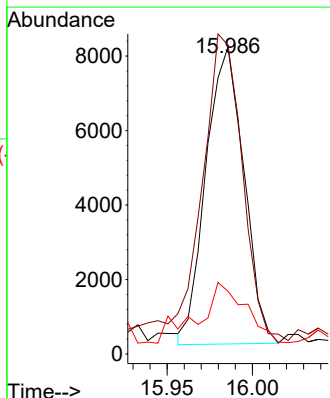
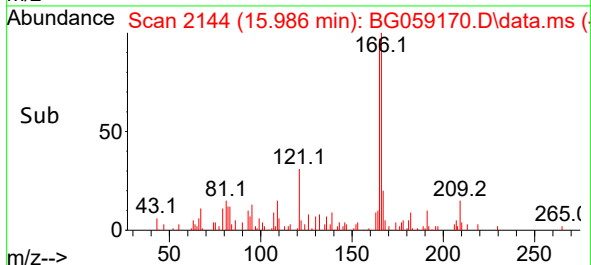
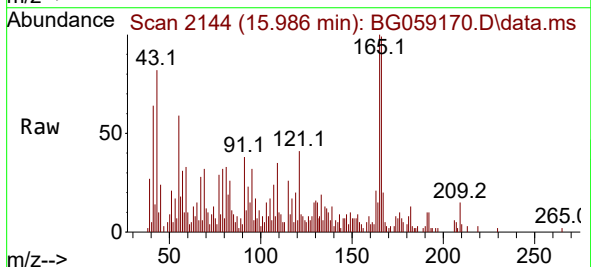
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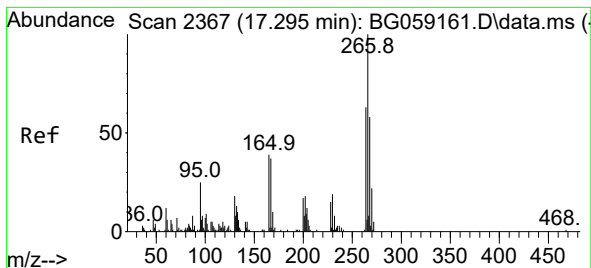
Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023



#61
Fluorene
Concen: 1.574 ng/ul
RT: 15.986 min Scan# 2144
Delta R.T. 0.012 min
Lab File: BG059170.D
Acq: 22 Sep 2023 19:22

Tgt Ion:166 Resp: 12322
Ion Ratio Lower Upper
166 100
165 100.6 81.6 122.4
167 20.4 12.1 18.1#





#71

Pentachlorophenol

Concen: 11.966 ng/ul

RT: 17.314 min Scan# 21

Delta R.T. 0.018 min

Lab File: BG059170.D

Acq: 22 Sep 2023 19:22

Instrument :

BNA_G

ClientSampleId :

BBBL8

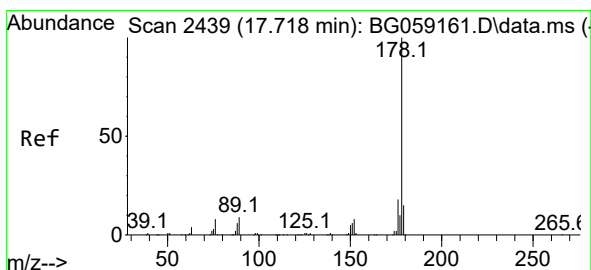
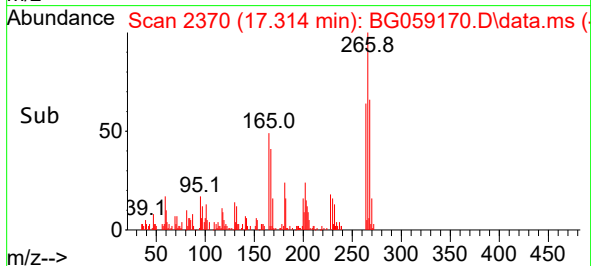
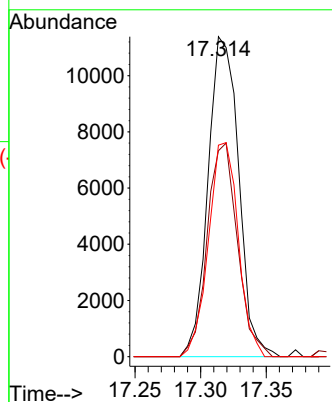
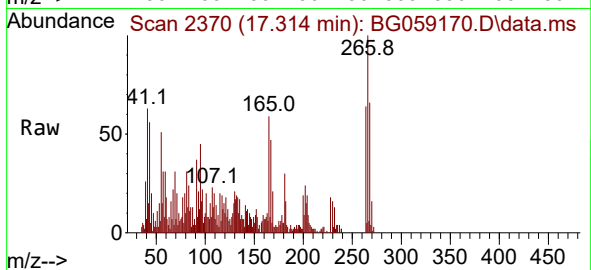
Tgt Ion:	266	Resp:	1847
Ion Ratio	Lower	Upper	
266	100		
264	64.4	50.6	76.0
268	66.1	56.4	84.6

Manual Integrations

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Reviewed By :Yogesh Patel 09/23/2023

Supervised By :mohammad ahmed 09/23/2023



#72

Phenanthrene

Concen: 1.481 ng/ul

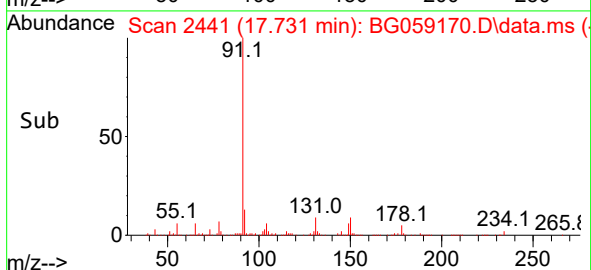
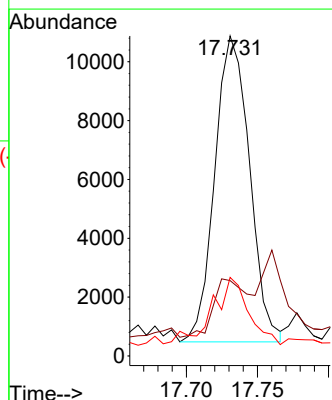
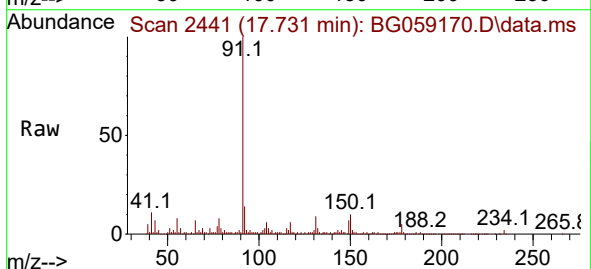
RT: 17.731 min Scan# 2441

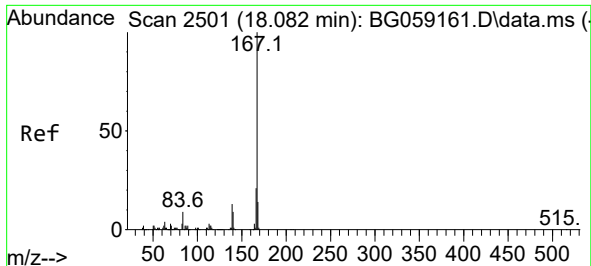
Delta R.T. 0.012 min

Lab File: BG059170.D

Acq: 22 Sep 2023 19:22

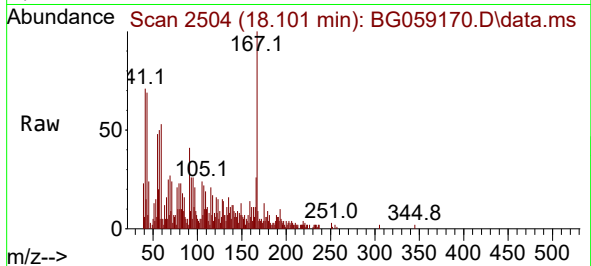
Tgt Ion:	178	Resp:	17674
Ion Ratio	Lower	Upper	
178	100		
179	23.6	11.8	17.8#
176	24.5	14.6	21.8#





#77
 Carbazole
 Concen: 1.749 ng/ul
 RT: 18.101 min Scan# 2504
 Delta R.T. 0.012 min
 Lab File: BG059170.D
 Acq: 22 Sep 2023 19:22

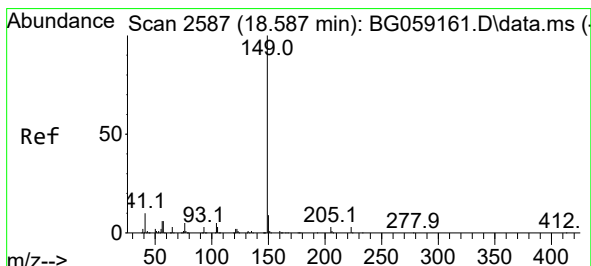
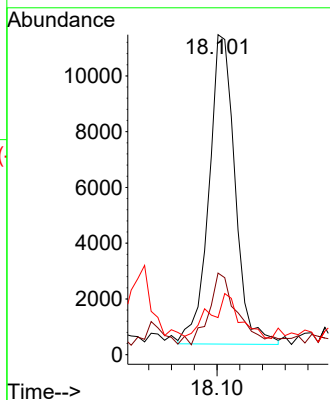
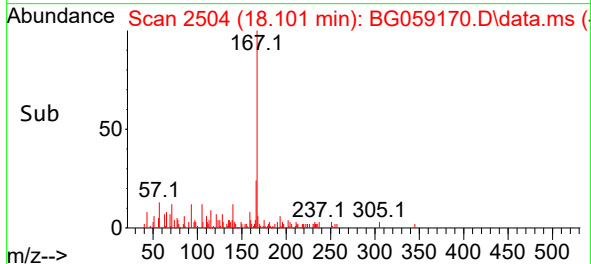
Instrument :
 BNA_G
 ClientSampleId :
 BBBL8



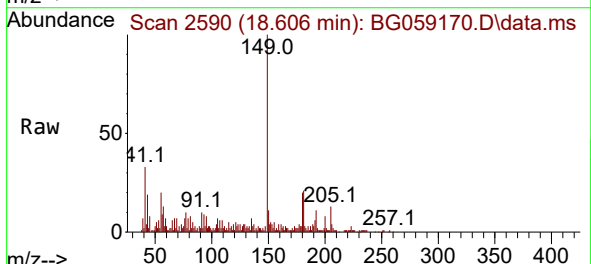
Tgt Ion:167 Resp: 17729
 Ion Ratio Lower Upper
 167 100
 166 25.5 16.7 25.1
 139 11.6 9.4 14.0

Manual Integrations
 APPROVED

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



#78
 Di-n-butylphthalate
 Concen: 3.755 ng/ul
 RT: 18.606 min Scan# 2590
 Delta R.T. 0.012 min
 Lab File: BG059170.D
 Acq: 22 Sep 2023 19:22



Tgt Ion:149 Resp: 46892
 Ion Ratio Lower Upper
 149 100
 150 10.8 7.4 11.2
 104 4.1 3.5 5.3

