

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100523\
 Data File : BG059292.D
 Acq On : 5 Oct 2023 11:56
 Operator : MA/JU
 Sample : 04527-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYH0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/06/2023
 Supervised By :mohammad ahmed 10/06/2023

Quant Time: Oct 05 23:22:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 28 04:33:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.229	152	35176	20.000	ng/u1	0.00
20) Naphthalene-d8	11.073	136	159878	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.863	164	95515	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.612	188	196667	20.000	ng/u1	0.00
79) Chrysene-d12	21.925	240	169739	20.000	ng/u1	# 0.00
88) Perylene-d12	25.415	264	206539	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.529	96	3581	3.842	ng/uL	0.00
4) Pyridine-d5	3.975	84	3122	1.148	ng/u1	0.00
7) Phenol-d5	7.360	99	45108	12.811	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.554	67	31290	13.911	ng/u1	0.00
11) 2-Chlorophenol-d4	7.748	132	37474	15.833	ng/u1	0.00
15) 4-Methylphenol-d8	8.929	113	19539	7.179	ng/u1	0.00
21) Nitrobenzene-d5	9.428	128	19081	16.913	ng/u1	0.00
24) 2-Nitrophenol-d4	10.145	143	20364	18.387	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.679	165	35527	15.615	ng/u1	0.00
31) 4-Chloroaniline-d4	11.220	131	17495	4.753	ng/u1	0.00
46) Dimethylphthalate-d6	14.258	166	123269	17.850	ng/u1	0.00
49) Acenaphthylene-d8	14.569	160	158886	18.330	ng/u1	0.00
54) 4-Nitrophenol-d4	15.057	143	5410	4.486	ng/u1	0.00
60) Fluorene-d10	15.850	176	119097	18.120	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.967	200	3531m	3.493	ng/u1	0.00
73) Anthracene-d10	17.712	188	166577	18.589	ng/u1	0.00
81) Pyrene-d10	19.992	212	190187	20.008	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.168	264	183216	18.460	ng/u1	0.00
Target Compounds						
					Qvalue	
8) Phenol	7.395	94	6361	1.816	ng/u1#	83
16) Acetophenone	9.070	105	33072	7.846	ng/u1	95
18) 4-Methylphenol	8.993	108	6125	2.184	ng/u1	80
30) Naphthalene	11.126	128	101618	11.854	ng/u1	94
36) 2-Methylnaphthalene	12.706	142	55518	9.886	ng/u1	98
37) 1-Methylnaphthalene	12.924	142	36401	6.387	ng/u1#	94
43) 1,1'-Biphenyl	13.699	154	13025	1.689	ng/u1	91
50) Acenaphthylene	14.598	152	13101	1.416	ng/u1#	82
52) Acenaphthene	14.927	153	20072	3.161	ng/u1	98
56) Dibenzofuran	15.262	168	22992	2.731	ng/u1	98
61) Fluorene	15.909	166	39454	5.582	ng/u1	91
72) Phenanthrene	17.659	178	265603	24.609	ng/u1	99
74) Anthracene	17.748	178	54067m	4.851	ng/u1	
77) Carbazole	18.024	167	19845	2.185	ng/u1#	84
80) Fluoranthene	19.657	202	327071	27.931	ng/u1	98
82) Pyrene	20.021	202	365034	29.430	ng/u1	97
85) Benzo(a)anthracene	21.902	228	231125	19.343	ng/u1#	92
87) Chrysene	21.972	228	304614	26.992	ng/u1#	94
90) Benzo(b)fluoranthene	24.293	252	566420	44.776	ng/u1#	96
91) Benzo(k)fluoranthene	24.352	252	169370m	13.214	ng/u1	
93) Benzo(a)pyrene	25.251	252	352143	29.344	ng/u1#	94
94) Indeno(1,2,3-cd)pyrene	29.446	276	278748	20.520	ng/u1#	85
95) Dibenzo(a,h)anthracene	29.475	278	82301m	7.450	ng/u1	
96) Benzo(g,h,i)perylene	30.732	276	291301	26.373	ng/u1	92

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Quant Title : SVOA CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

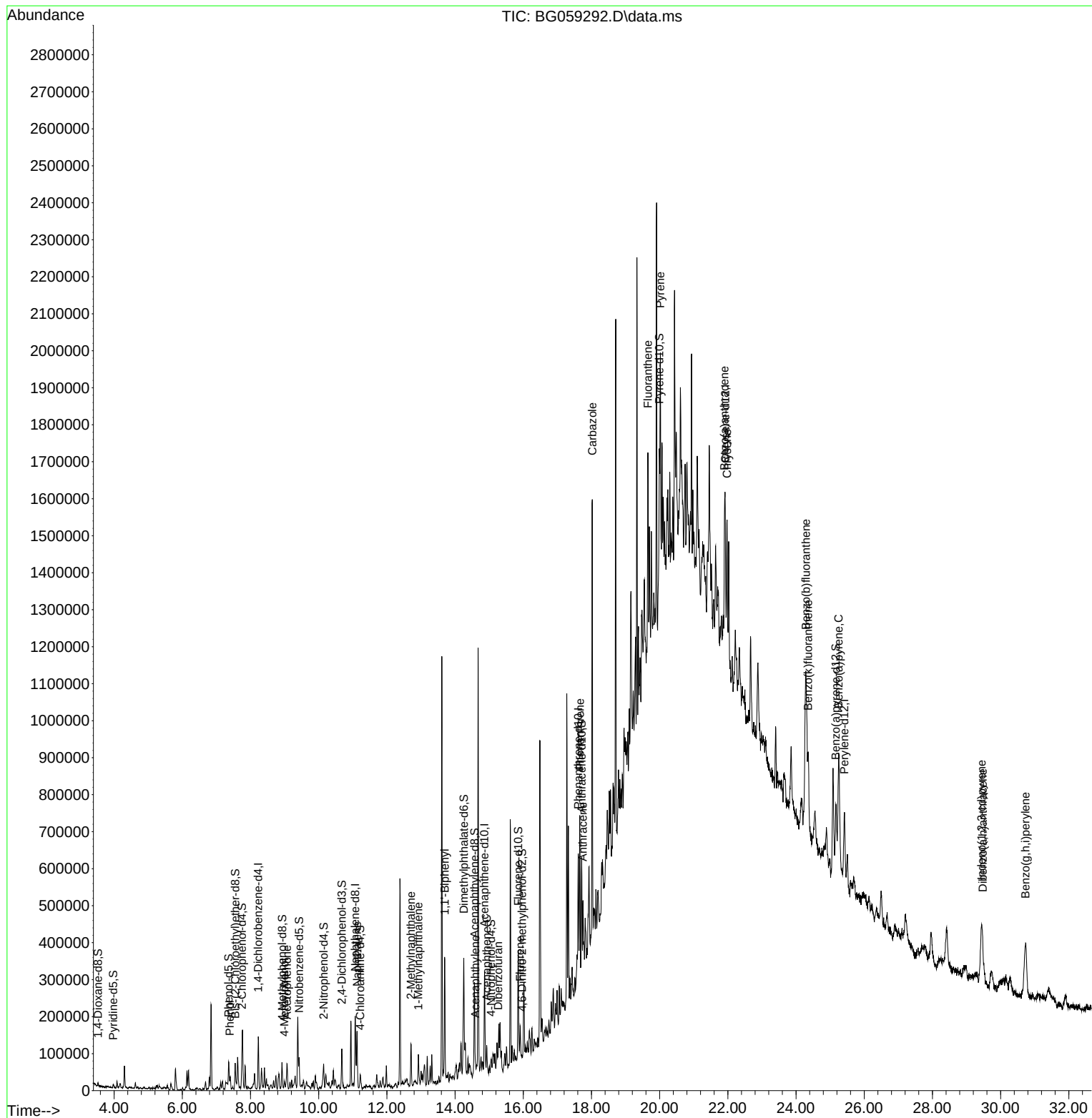
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100523\
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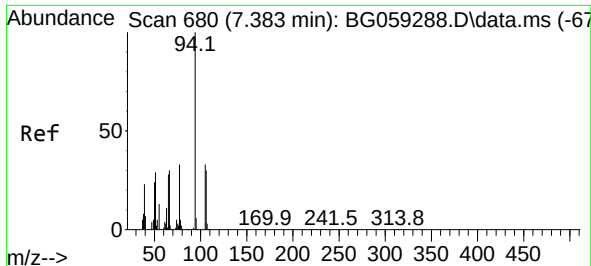
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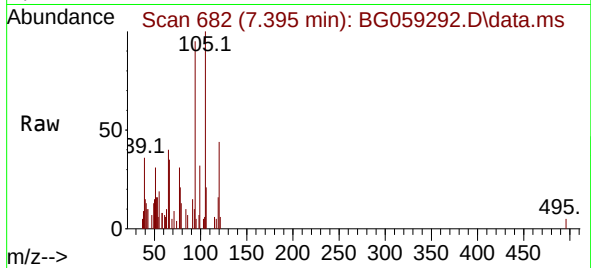
Reviewed By :Yogesh Patel 10/06/2023
 Supervised By :mohammad ahmed 10/06/2023





#8
Phenol
Concen: 1.816 ng/ul
RT: 7.395 min Scan# 682
Delta R.T. 0.010 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

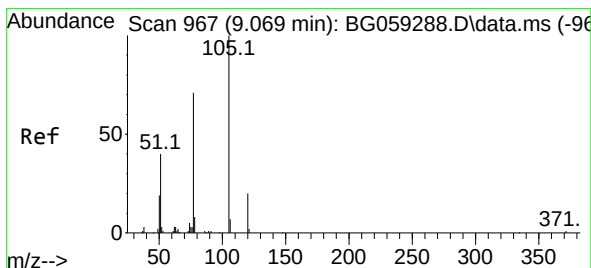
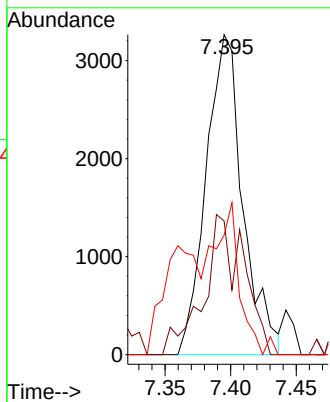
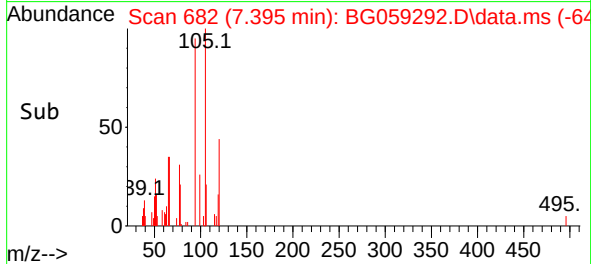
Instrument :
BNA_G
ClientSampleId :
EZYH0



Tgt Ion: 94 Resp: 636
Ion Ratio Lower Upper
94 100
65 41.8 23.6 35.4
66 37.3 24.6 37.0

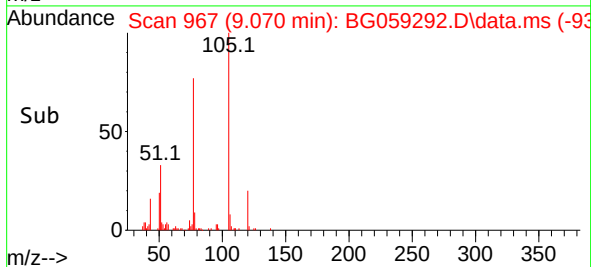
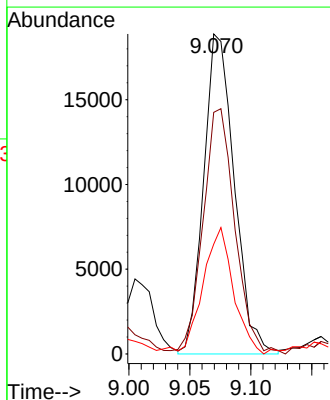
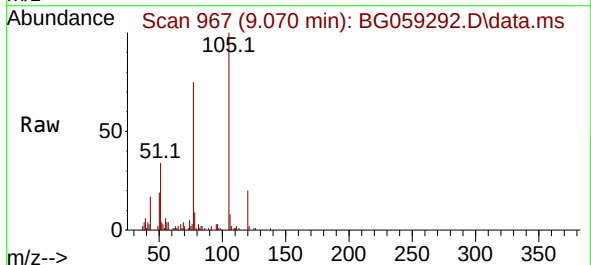
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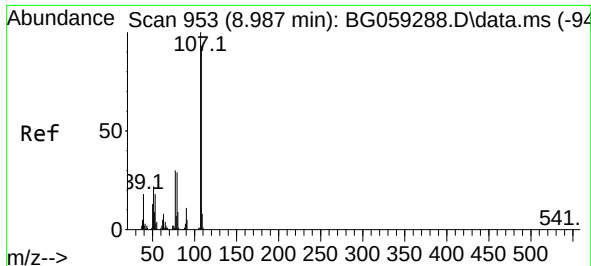
Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/06/2023



#16
Acetophenone
Concen: 7.846 ng/ul
RT: 9.070 min Scan# 967
Delta R.T. -0.008 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

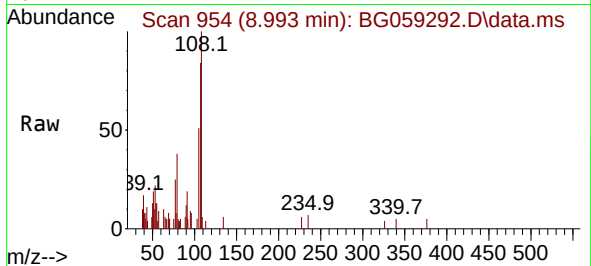
Tgt Ion:105 Resp: 33072
Ion Ratio Lower Upper
105 100
77 75.5 58.8 88.2
51 34.3 32.6 48.8





#18
4-Methylphenol
Concen: 2.184 ng/ul
RT: 8.993 min Scan# 91
Delta R.T. -0.002 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

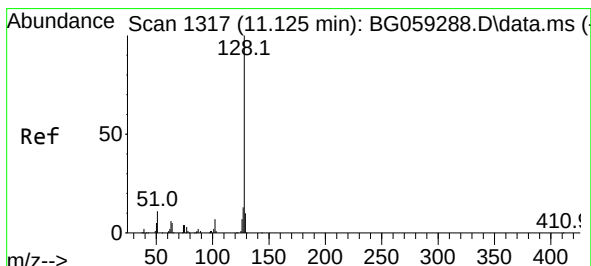
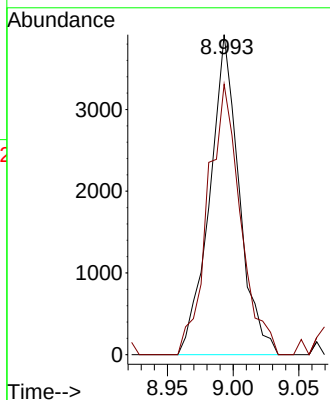
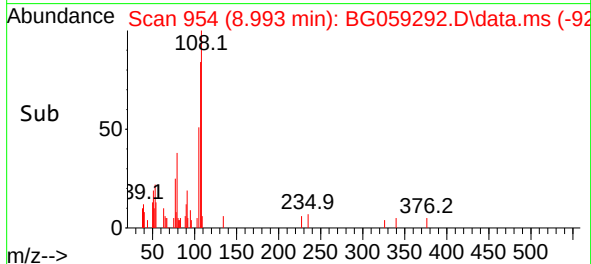
Instrument :
BNA_G
ClientSampleId :
EZYH0



Tgt Ion:108 Resp: 612
Ion Ratio Lower Upper
108 100
107 84.5 83.8 125.8

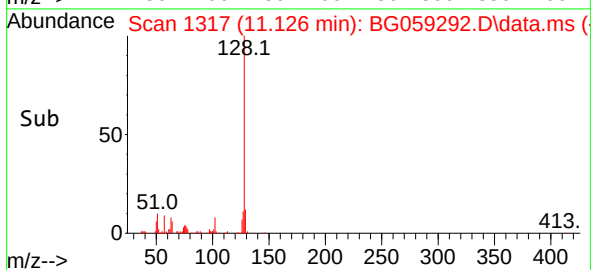
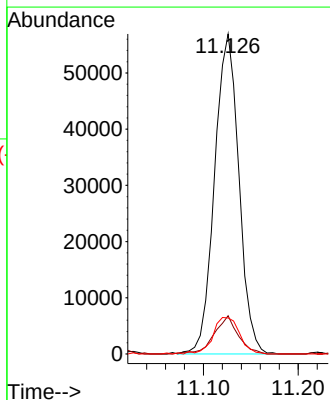
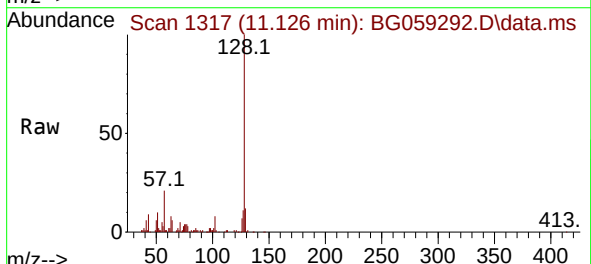
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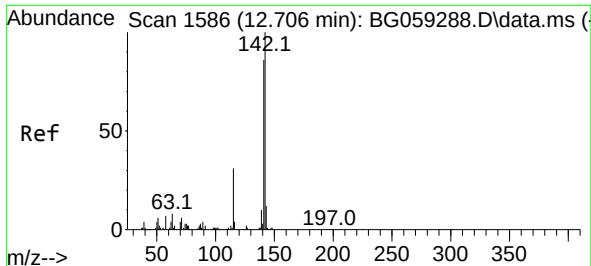
Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/06/2023



#30
Naphthalene
Concen: 11.854 ng/ul
RT: 11.126 min Scan# 1317
Delta R.T. -0.002 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

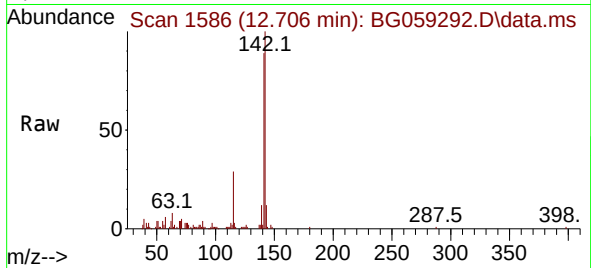
Tgt Ion:128 Resp: 101618
Ion Ratio Lower Upper
128 100
129 11.9 8.0 12.0
127 11.3 11.1 16.7





#36
2-Methylnaphthalene
Concen: 9.886 ng/ul
RT: 12.706 min Scan# 1586
Delta R.T. -0.008 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

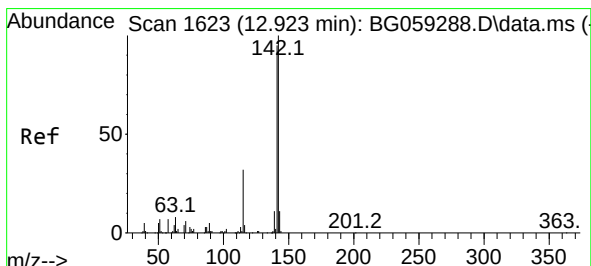
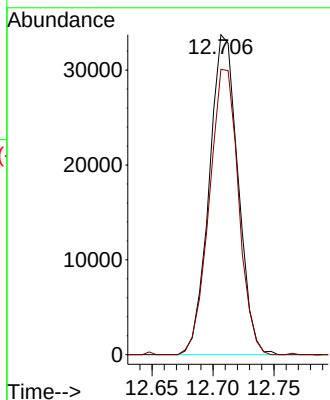
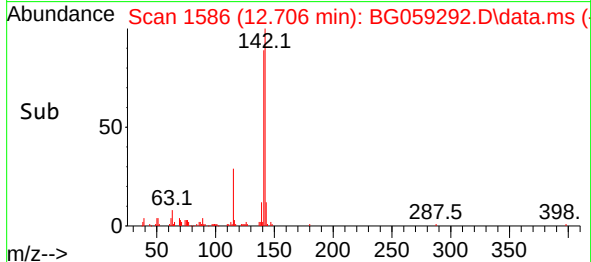
Instrument :
BNA_G
ClientSampleId :
EZYH0



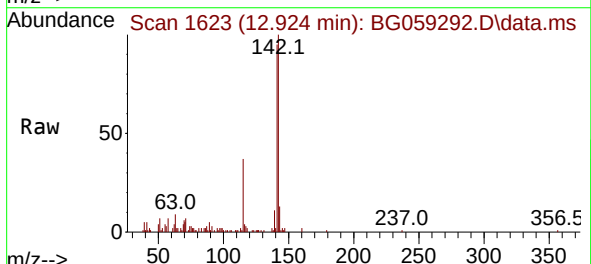
Tgt Ion:142 Resp: 55518
Ion Ratio Lower Upper
142 100
141 89.2 70.2 105.2

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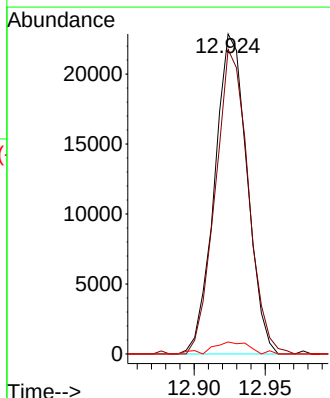
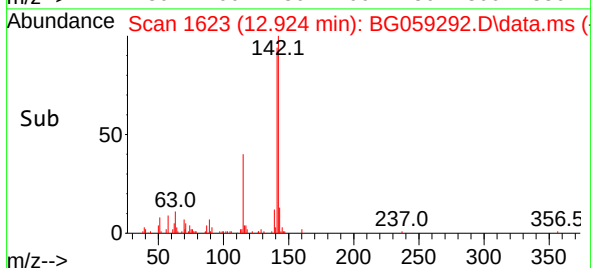
Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/06/2023

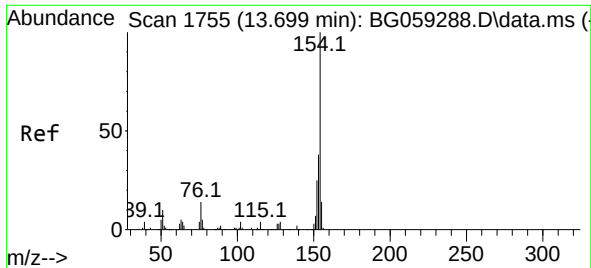


#37
1-Methylnaphthalene
Concen: 6.387 ng/ul
RT: 12.924 min Scan# 1623
Delta R.T. -0.008 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56



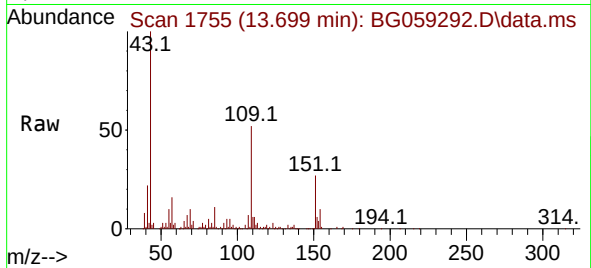
Tgt Ion:142 Resp: 36401
Ion Ratio Lower Upper
142 100
141 95.1 71.6 107.4
116 3.7 2.3 3.5#





#43
1,1'-Biphenyl
Concen: 1.689 ng/ul
RT: 13.699 min Scan# 1755
Delta R.T. -0.008 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

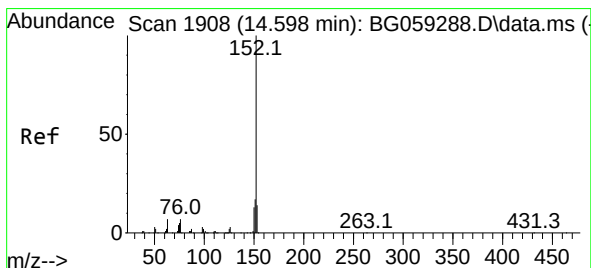
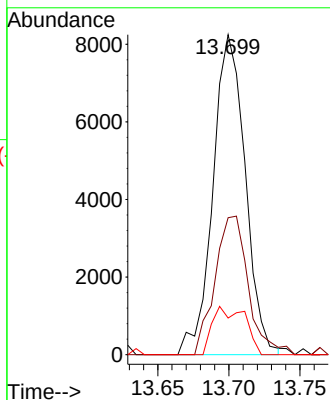
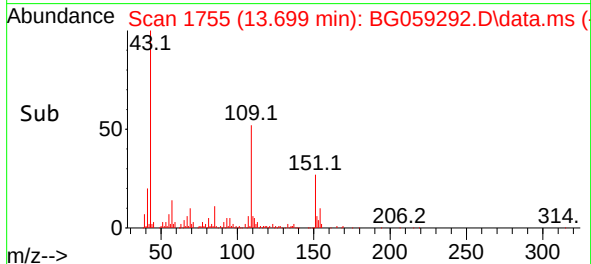
Instrument :
BNA_G
ClientSampleId :
EZYH0



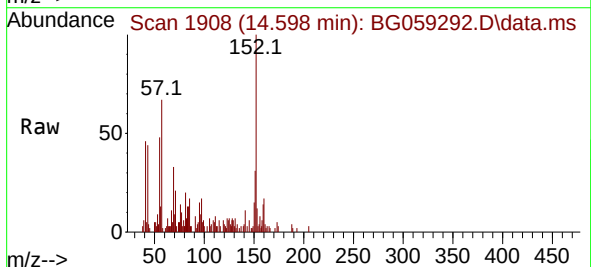
Tgt Ion:154 Resp: 1302
Ion Ratio Lower Upper
154 100
153 42.8 29.2 43.8
76 11.4 10.1 15.1

Manual Integrations
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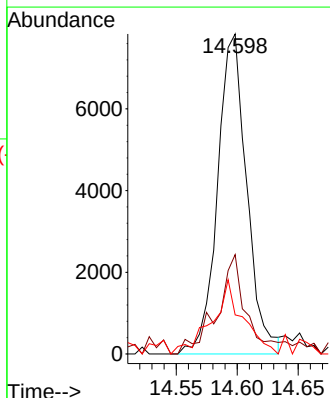
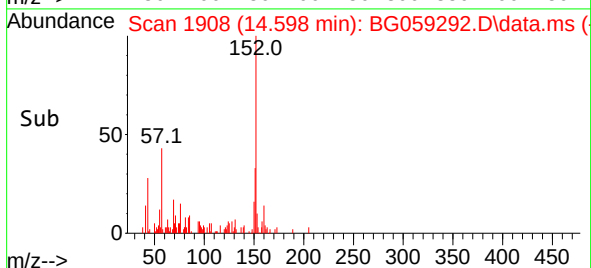
Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/06/2023

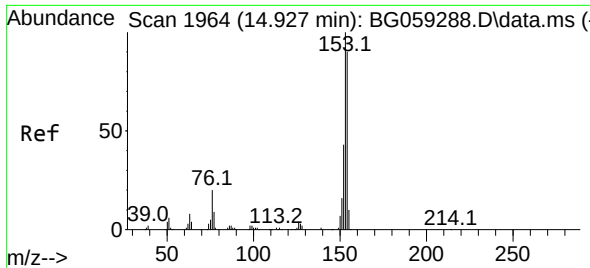


#50
Acenaphthylene
Concen: 1.416 ng/ul
RT: 14.598 min Scan# 1908
Delta R.T. -0.002 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56



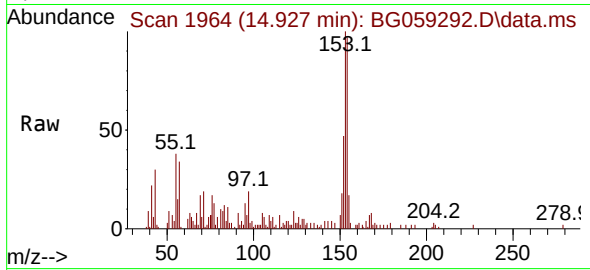
Tgt Ion:152 Resp: 13101
Ion Ratio Lower Upper
152 100
151 31.1 14.6 21.8#
153 12.2 10.9 16.3





#52
Acenaphthene
Concen: 3.161 ng/ul
RT: 14.927 min Scan# 1964
Delta R.T. -0.008 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

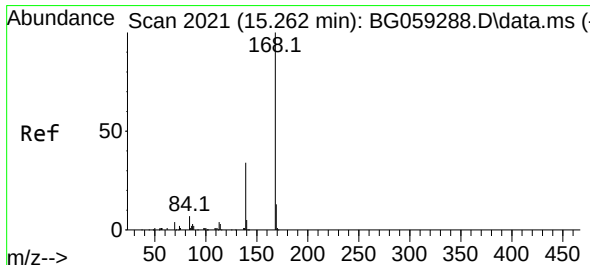
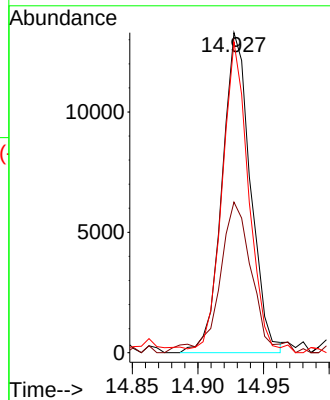
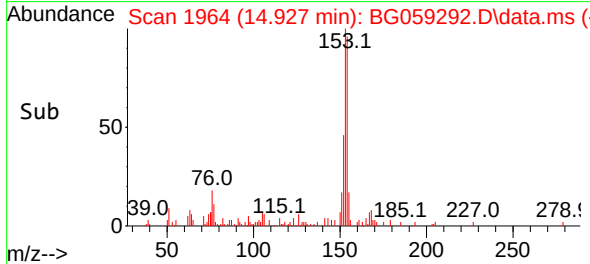
Instrument :
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ClientSampleId :
EZYH0



Tgt Ion:153 Resp: 20072
Ion Ratio Lower Upper
153 100
152 47.1 38.5 57.7
154 97.2 76.3 114.5

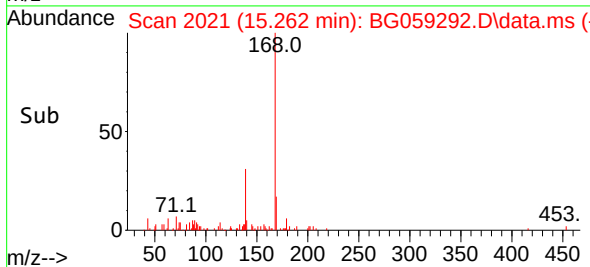
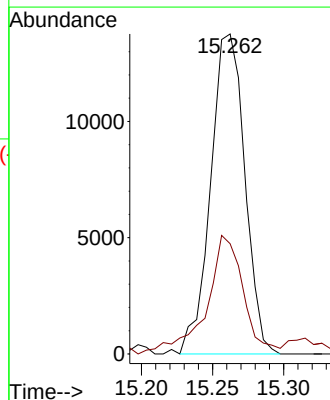
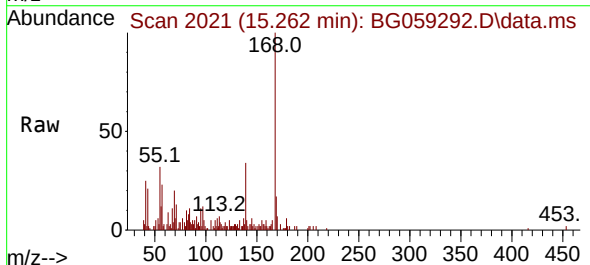
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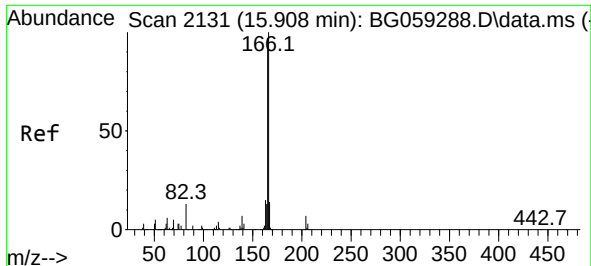
Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/06/2023



#56
Dibenzofuran
Concen: 2.731 ng/ul
RT: 15.262 min Scan# 2021
Delta R.T. -0.002 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

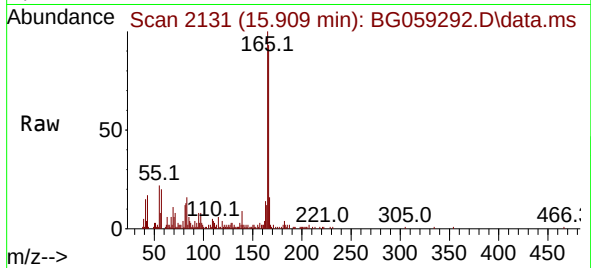
Tgt Ion:168 Resp: 22992
Ion Ratio Lower Upper
168 100
139 34.4 26.6 39.8





#61
Fluorene
Concen: 5.582 ng/u1
RT: 15.909 min Scan# 2131
Delta R.T. -0.002 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

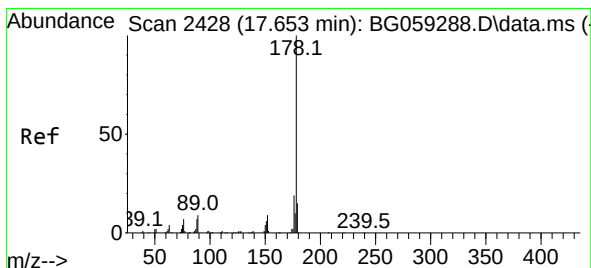
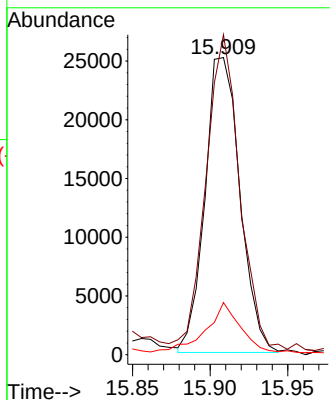
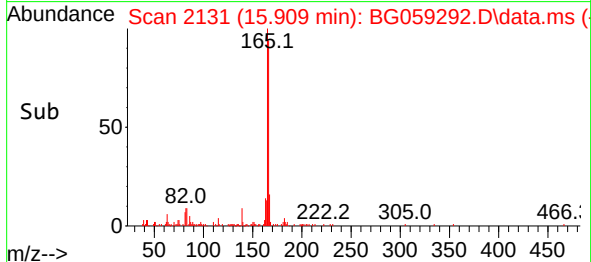
Instrument :
BNA_G
ClientSampleId :
EZYH0



Tgt Ion:166 Resp: 39454
Ion Ratio Lower Upper
166 100
165 107.7 78.6 118.0
167 17.6 11.8 17.8

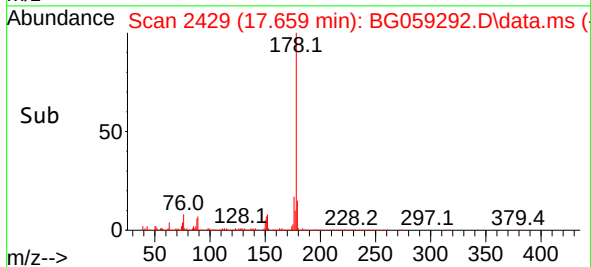
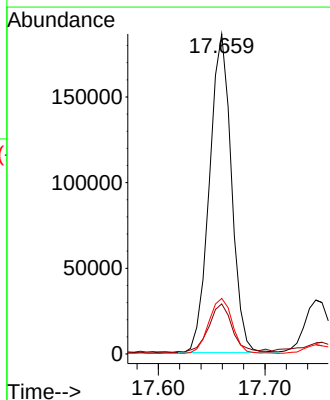
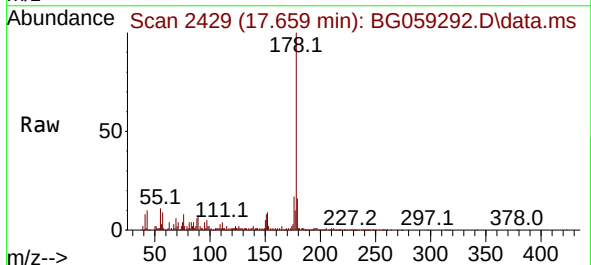
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APPROVED

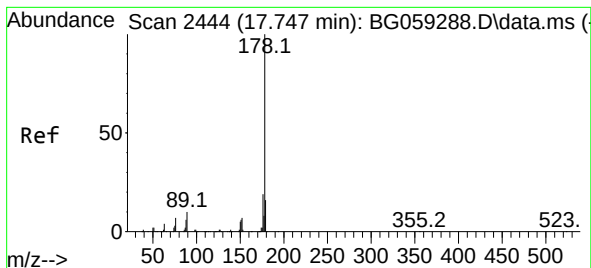
Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/06/2023



#72
Phenanthrene
Concen: 24.609 ng/u1
RT: 17.659 min Scan# 2429
Delta R.T. -0.002 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

Tgt Ion:178 Resp: 265603
Ion Ratio Lower Upper
178 100
179 15.6 12.3 18.5
176 17.3 14.6 21.8





#74

Anthracene

Concen: 4.851 ng/ul m

RT: 17.748 min Scan# 2444

Delta R.T. -0.008 min

Lab File: BG059292.D

Acq: 5 Oct 2023 11:56

Instrument :

BNA_G

ClientSampleId :

EZYH0

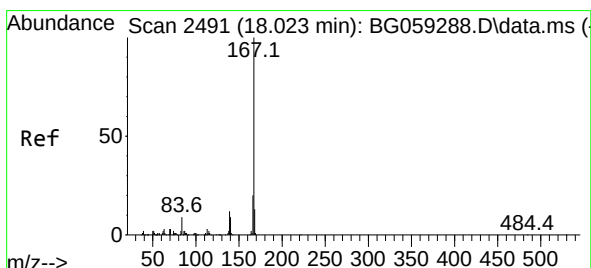
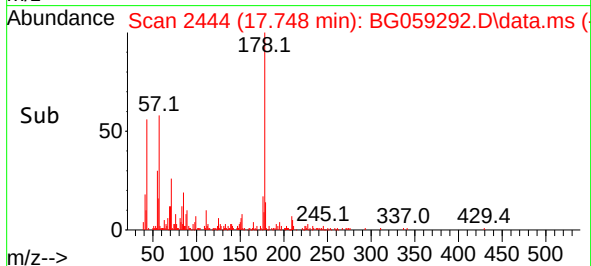
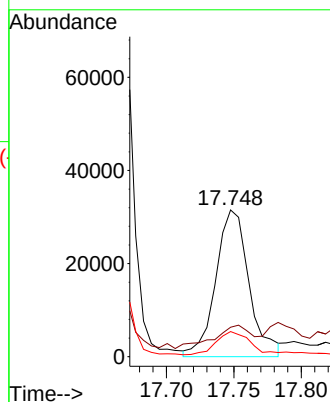
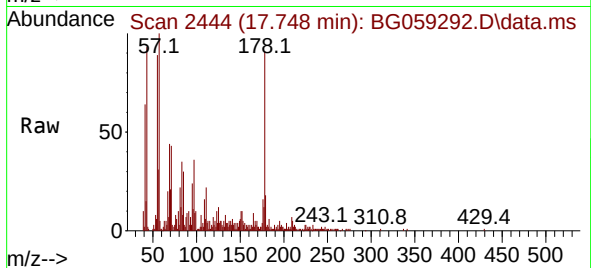
Tgt Ion:	178	Resp:	5406
Ion Ratio	Lower	Upper	
178	100		
179	20.1	12.0	18.0
176	17.1	14.5	21.7

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Reviewed By :Yogesh Patel 10/06/2023

Supervised By :mohammad ahmed 10/06/2023



#77

Carbazole

Concen: 2.185 ng/ul

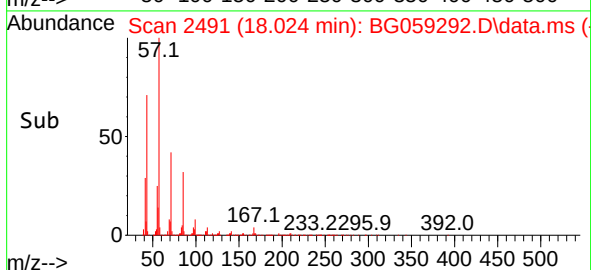
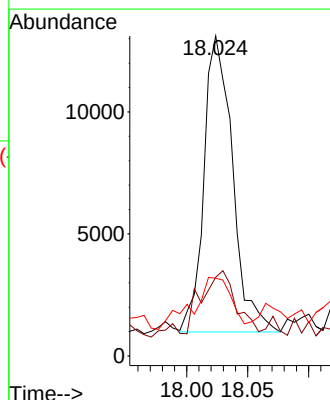
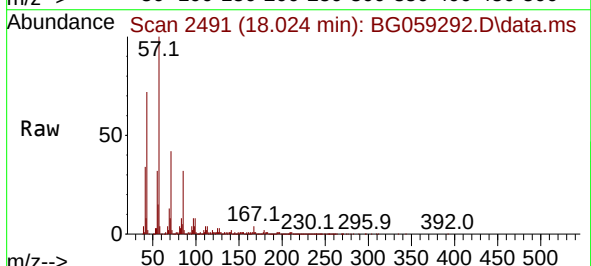
RT: 18.024 min Scan# 2491

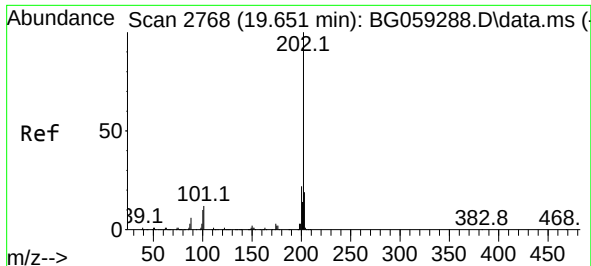
Delta R.T. -0.008 min

Lab File: BG059292.D

Acq: 5 Oct 2023 11:56

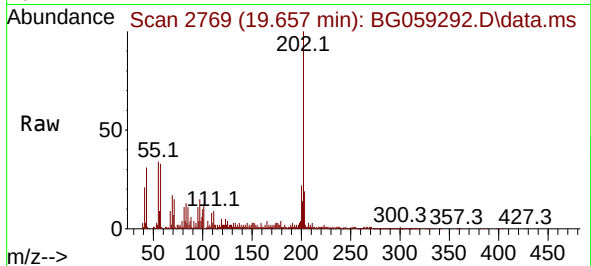
Tgt Ion:	167	Resp:	19845
Ion Ratio	Lower	Upper	
167	100		
166	24.6	17.4	26.0
139	24.3	9.0	13.4





#80
Fluoranthene
Concen: 27.931 ng/uI
RT: 19.657 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

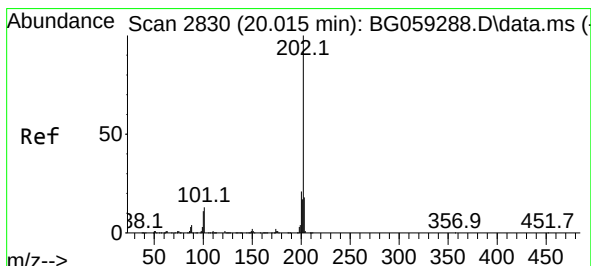
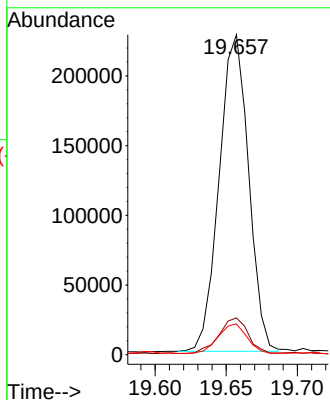
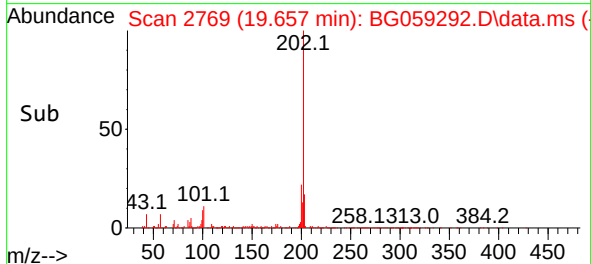
Instrument :
BNA_G
ClientSampleId :
EZYH0



Tgt Ion:202 Resp: 32707
Ion Ratio Lower Upper
202 100
101 11.5 8.2 12.4
100 9.7 8.2 12.2

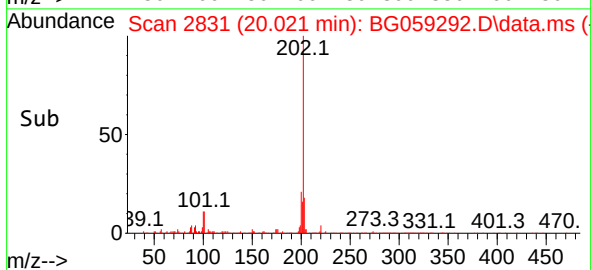
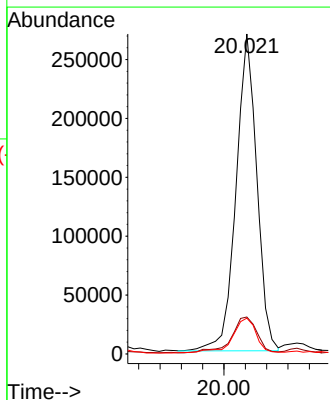
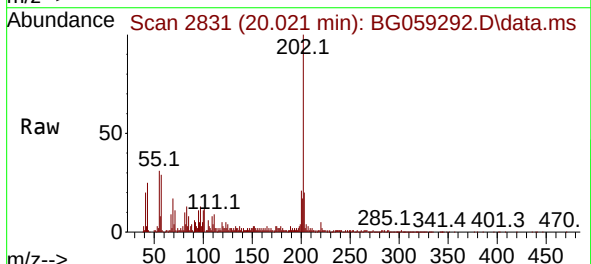
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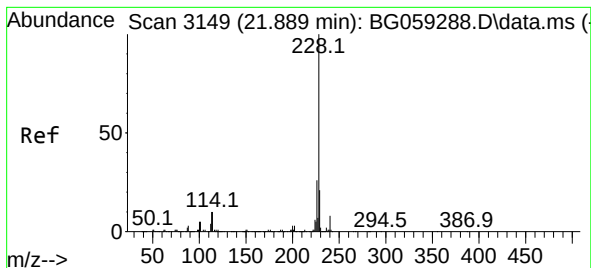
Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/06/2023



#82
Pyrene
Concen: 29.430 ng/uI
RT: 20.021 min Scan# 2831
Delta R.T. -0.002 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

Tgt Ion:202 Resp: 365034
Ion Ratio Lower Upper
202 100
101 11.6 10.2 15.4
100 11.2 9.6 14.4





#85

Benzo(a)anthracene

Concen: 19.343 ng/uI

RT: 21.902 min Scan# 3151

Delta R.T. -0.002 min

Lab File: BG059292.D

Acq: 5 Oct 2023 11:56

Instrument :

BNL_G

ClientSampleId :

EZYH0

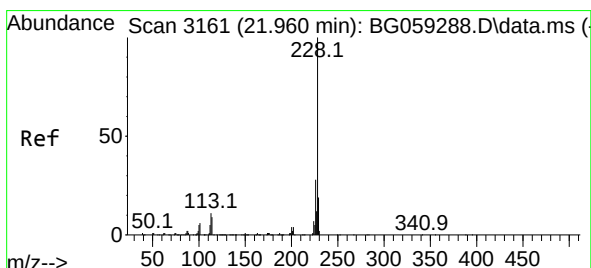
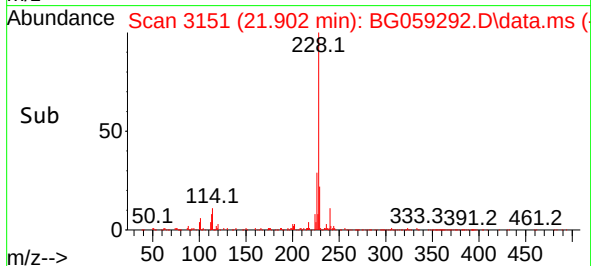
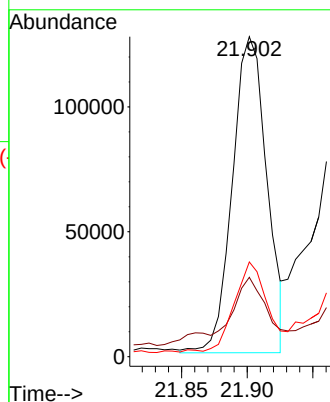
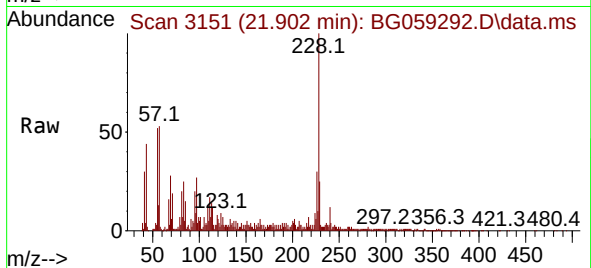
Tgt Ion:	228	Resp:	23112
Ion Ratio	Lower	Upper	
228	100		
229	24.8	15.5	23.3
226	29.6	21.4	32.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/06/2023

Supervised By :mohammad ahmed 10/06/2023



#87

Chrysene

Concen: 26.992 ng/uI

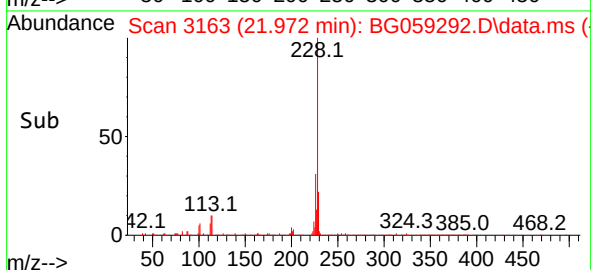
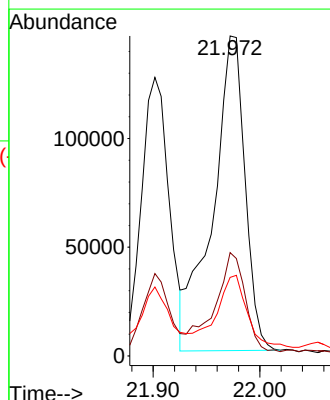
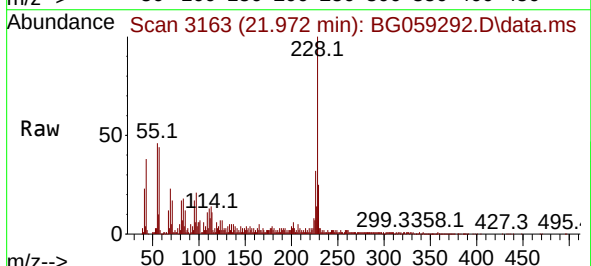
RT: 21.972 min Scan# 3163

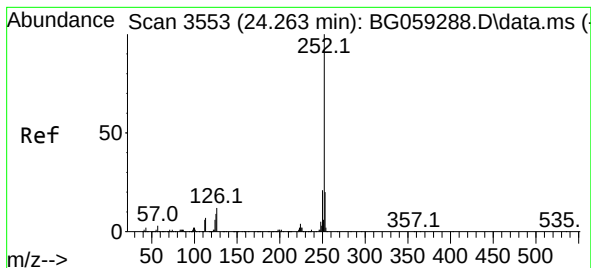
Delta R.T. -0.002 min

Lab File: BG059292.D

Acq: 5 Oct 2023 11:56

Tgt Ion:	228	Resp:	304614
Ion Ratio	Lower	Upper	
228	100		
226	32.3	24.2	36.4
229	24.6	16.2	24.2





#90

Benzo(b)fluoranthene

Concen: 44.776 ng/ul

RT: 24.293 min Scan# 3558

Delta R.T. 0.010 min

Lab File: BG059292.D

Acq: 5 Oct 2023 11:56

Instrument :

BNA_G

ClientSampleId :

EZYH0

Tgt Ion:252 Resp: 566420

Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

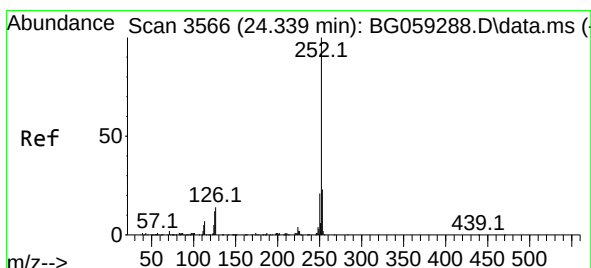
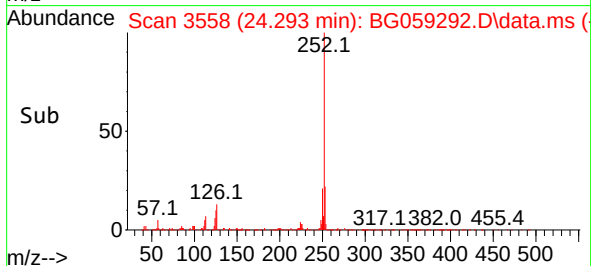
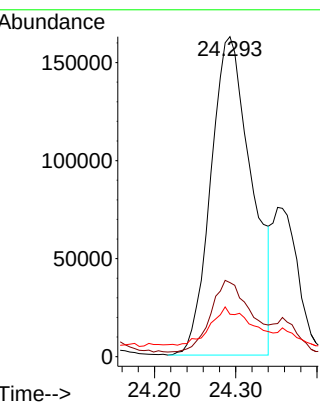
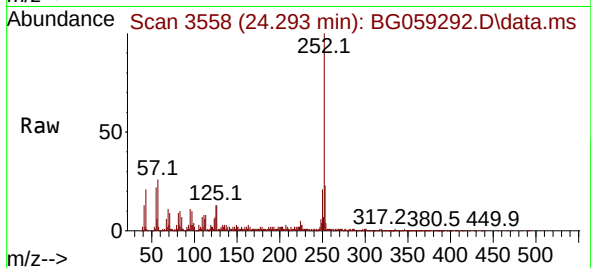
125 13.2 8.1 12.1

Manual Integrations

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Reviewed By :Yogesh Patel 10/06/2023

Supervised By :mohammad ahmed 10/06/2023



#91

Benzo(k)fluoranthene

Concen: 13.214 ng/ul m

RT: 24.352 min Scan# 3568

Delta R.T. -0.008 min

Lab File: BG059292.D

Acq: 5 Oct 2023 11:56

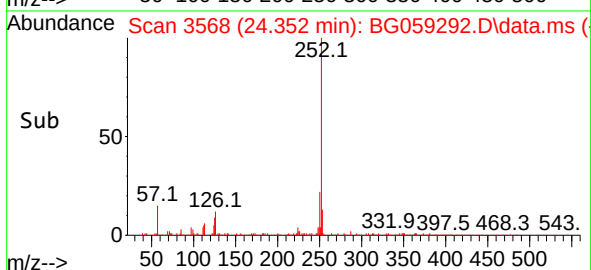
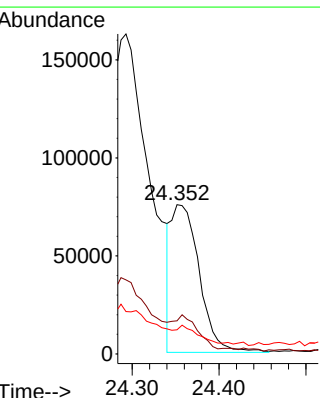
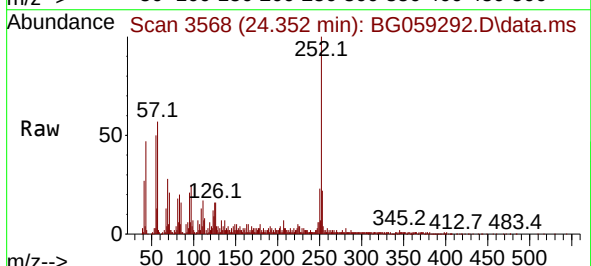
Tgt Ion:252 Resp: 169370

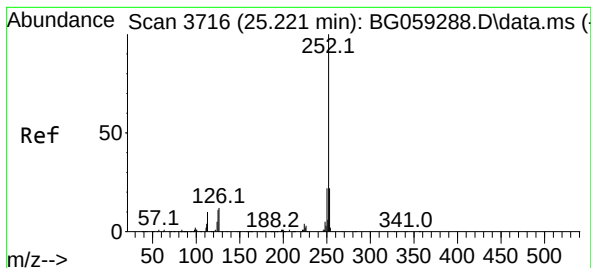
Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 16.2 8.1 12.1





#93

Benzo(a)pyrene

Concen: 29.344 ng/u1

RT: 25.251 min Scan# 31

Delta R.T. 0.010 min

Lab File: BG059292.D

Acq: 5 Oct 2023 11:56

Instrument :

BNA_G

ClientSampleId :

EZYH0

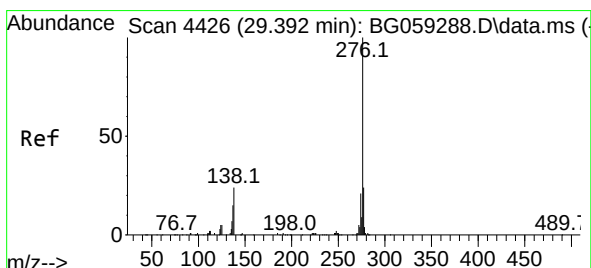
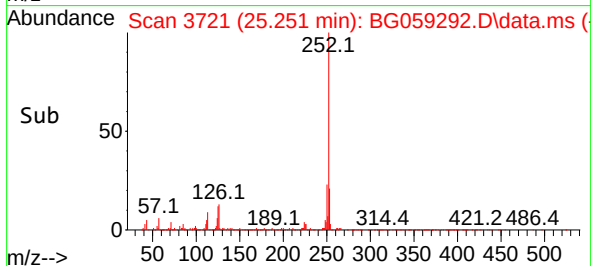
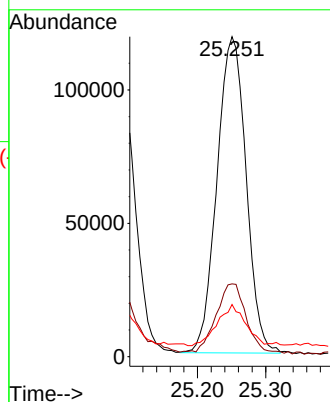
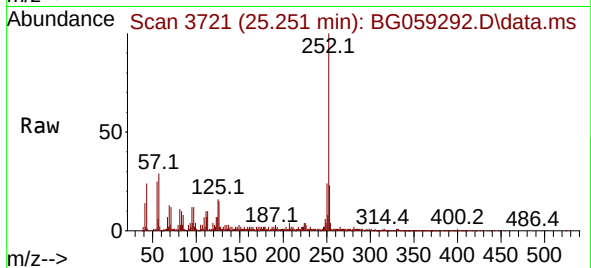
Tgt Ion:252 Resp: 35214
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.2 25.8
 125 16.3 9.4 14.0

Manual Integrations

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Reviewed By :Yogesh Patel 10/06/2023

Supervised By :mohammad ahmed 10/06/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 20.520 ng/u1

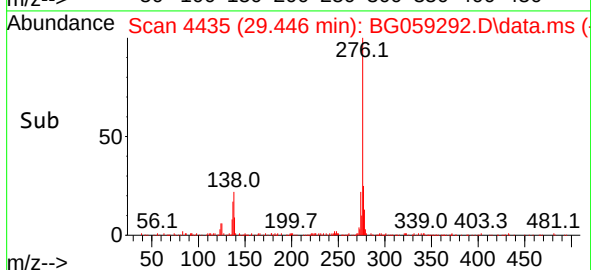
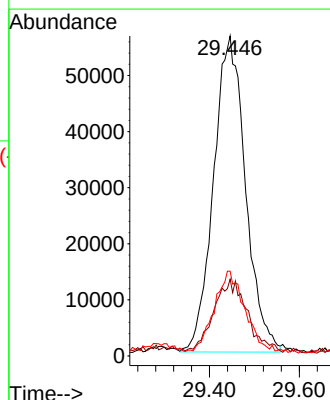
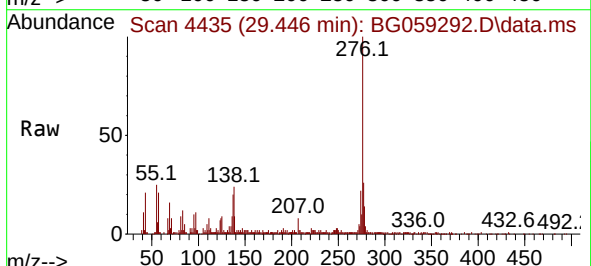
RT: 29.446 min Scan# 4435

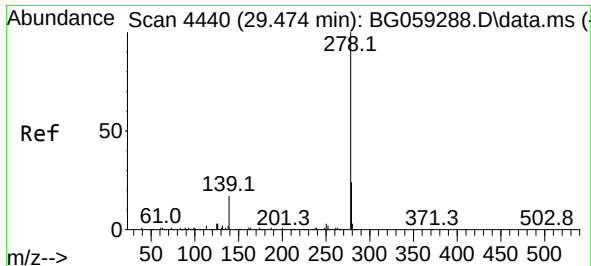
Delta R.T. 0.010 min

Lab File: BG059292.D

Acq: 5 Oct 2023 11:56

Tgt Ion:276 Resp: 278748
 Ion Ratio Lower Upper
 276 100
 138 32.7 17.0 25.6#
 277 26.5 18.6 28.0





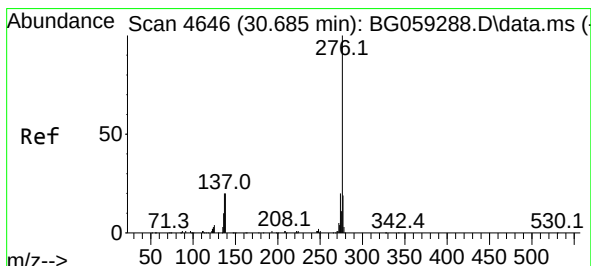
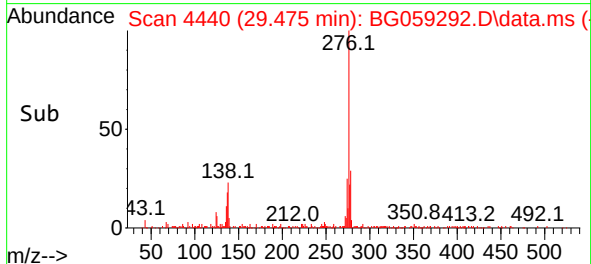
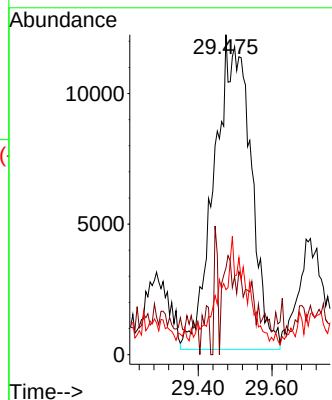
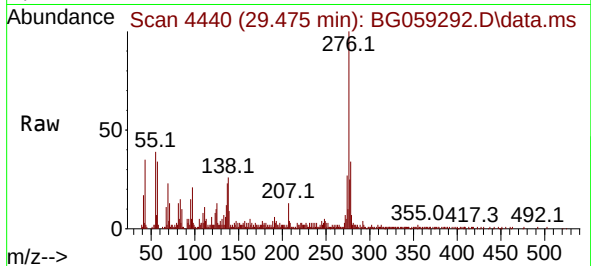
#95
Dibenzo(a,h)anthracene
Concen: 7.450 ng/ul m
RT: 29.475 min Scan# 4440
Delta R.T. -0.037 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

Instrument :
BNA_G
ClientSampleId :
EZYH0

Tgt Ion:278 Resp: 8230
Ion Ratio Lower Upper
278 100
139 27.1 12.1 18.1
279 20.4 18.6 27.8

Manual Integrations
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Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/06/2023



#96
Benzo(g,h,i)perylene
Concen: 26.373 ng/ul
RT: 30.732 min Scan# 4654
Delta R.T. 0.022 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

Tgt Ion:276 Resp: 291301
Ion Ratio Lower Upper
276 100
138 23.5 16.6 25.0
277 20.3 20.0 30.0

