

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
 Data File : BG059005.D
 Acq On : 12 Sep 2023 7:10
 Operator : MA/JU
 Sample : 04235-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYK0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/12/2023
 Supervised By :mohammad ahmed 09/13/2023

Quant Time: Sep 12 07:55:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 11 00:07:05 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.324	152	79964	20.000	ng/u1	0.00
20) Naphthalene-d8	11.168	136	360669	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.951	164	266008	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.695	188	623905	20.000	ng/u1	# 0.00
79) Chrysene-d12	22.025	240	526378	20.000	ng/u1	# 0.00
88) Perylene-d12	25.598	264	636579	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.647	96	3565	1.895	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.437	99	86466	10.723	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.642	67	50254	10.628	ng/u1	0.00
11) 2-Chlorophenol-d4	7.842	132	59618	11.528	ng/u1	0.00
15) 4-Methylphenol-d8	9.005	113	67075	10.767	ng/u1	0.00
21) Nitrobenzene-d5	9.517	128	27886	10.659	ng/u1	0.00
24) 2-Nitrophenol-d4	10.239	143	34803	12.124	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.762	165	76433	12.528	ng/u1	0.00
31) 4-Chloroaniline-d4	11.309	131	66861	8.149	ng/u1	0.00
46) Dimethylphthalate-d6	14.340	166	257244	12.467	ng/u1	0.00
49) Acenaphthylene-d8	14.652	160	285182	12.412	ng/u1	0.00
54) 4-Nitrophenol-d4	15.110	143	23069	6.731	ng/u1	0.00
60) Fluorene-d10	15.933	176	243448	13.295	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.038	200	18676	6.098	ng/u1	0.00
73) Anthracene-d10	17.801	188	365177	13.185	ng/u1	0.00
81) Pyrene-d10	20.069	212	413800	14.840	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.339	264	433473	13.891	ng/u1	0.00
Target Compounds						
					Qvalue	
8) Phenol	7.466	94	8900m	1.038	ng/u1	
16) Acetophenone	9.170	105	60481	5.856	ng/u1	93
30) Naphthalene	11.220	128	36816	1.936	ng/u1#	95
36) 2-Methylnaphthalene	12.795	142	42818	3.018	ng/u1	93
37) 1-Methylnaphthalene	13.018	142	29701	2.123	ng/u1#	94
52) Acenaphthene	15.010	153	51124	3.041	ng/u1	94
56) Dibenzofuran	15.339	168	75312	3.093	ng/u1	94
61) Fluorene	15.991	166	93294	4.662	ng/u1#	98
72) Phenanthrene	17.742	178	994845	31.418	ng/u1	100
74) Anthracene	17.830	178	266583	8.283	ng/u1	96
77) Carbazole	18.107	167	76220	2.828	ng/u1#	91
80) Fluoranthene	19.734	202	1088999	33.631	ng/u1	98
82) Pyrene	20.098	202	890541	26.455	ng/u1	100
85) Benzo(a)anthracene	22.002	228	455216	12.895	ng/u1	93
87) Chrysene	22.072	228	457925	13.954	ng/u1#	94
90) Benzo(b)fluoranthene	24.440	252	599616	15.812	ng/u1#	94
91) Benzo(k)fluoranthene	24.511	252	225185m	5.811	ng/u1	
93) Benzo(a)pyrene	25.422	252	456990	12.916	ng/u1#	90
94) Indeno(1,2,3-cd)pyrene	29.716	276	326729	7.309	ng/u1	97
95) Dibenzo(a,h)anthracene	29.775	278	101002m	2.727	ng/u1	
96) Benzo(g,h,i)perylene	31.021	276	340127m	9.612	ng/u1	

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

Instrument :

BNA_G

ClientSampleId :

EZYK0

Manual Integrations

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Reviewed By :Yogesh Patel 09/12/2023

Supervised By :mohammad ahmed 09/13/2023

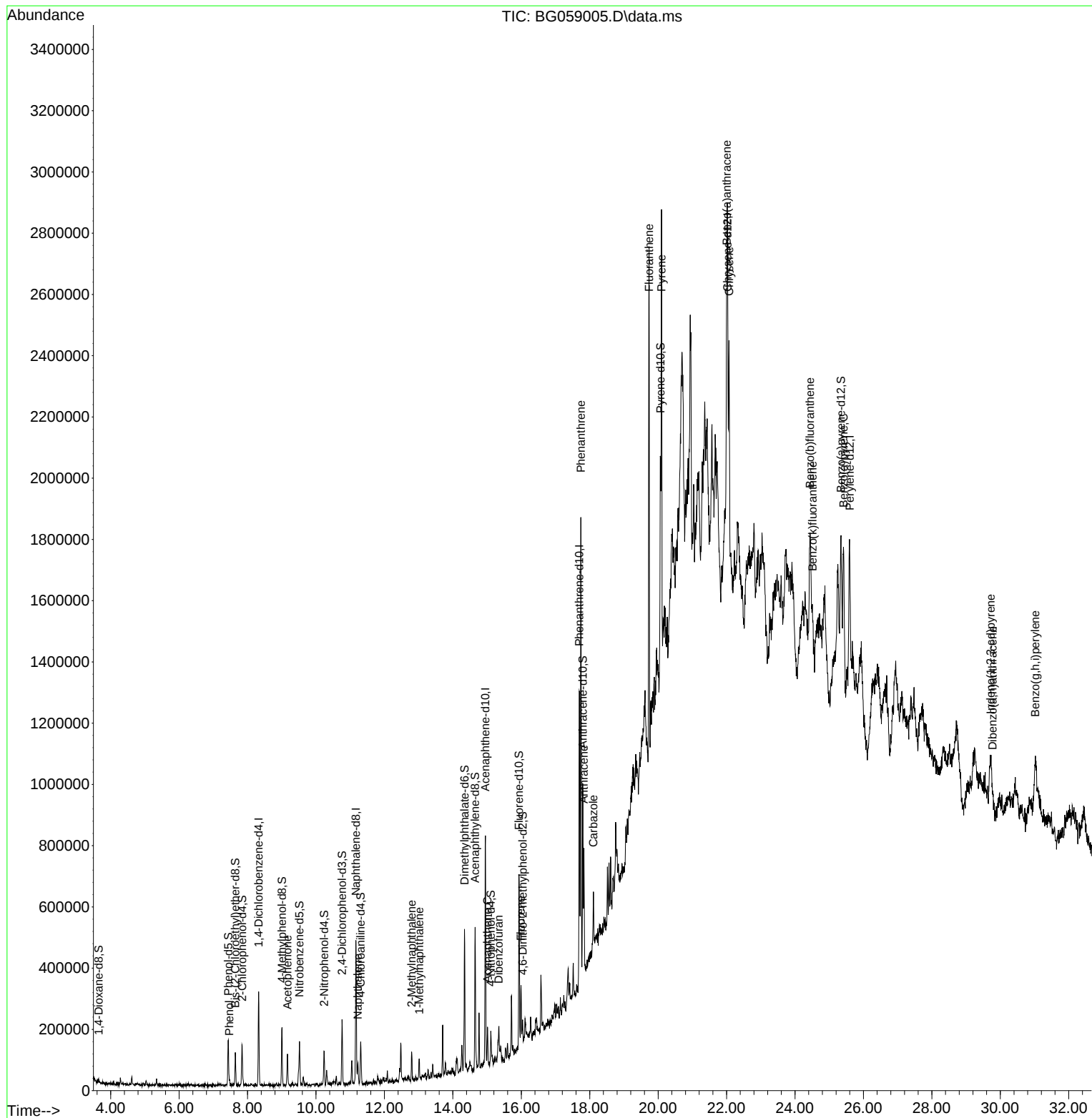
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
Data File : BG059005.D
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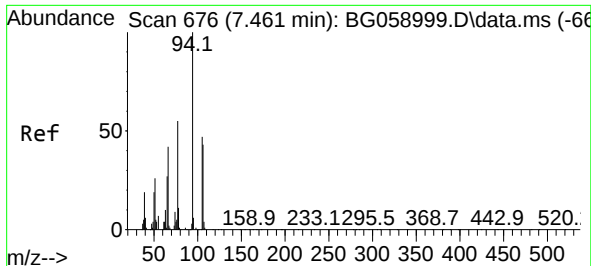
Instrument :
BNA_G
ClientSampleId :
EZYK0

Quant Time: Sep 12 07:55:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

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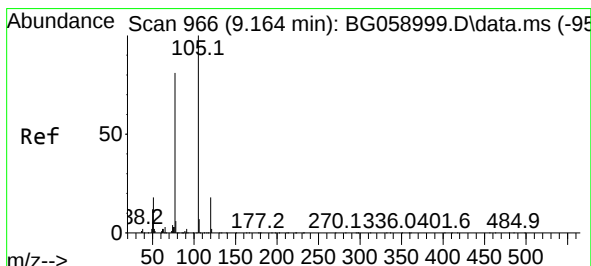
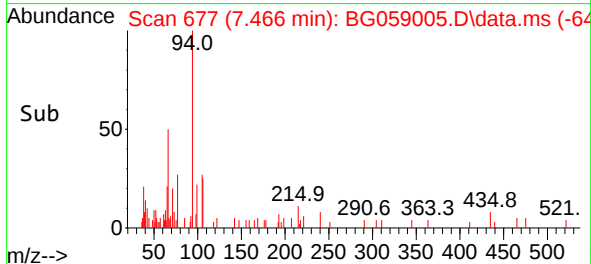
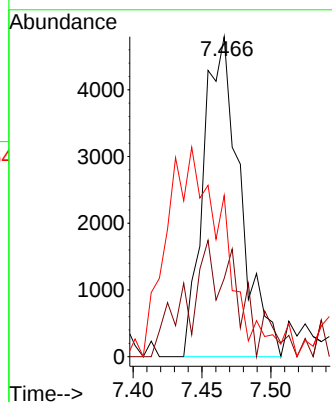
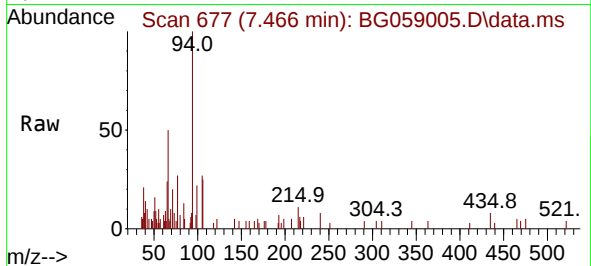
#8
Phenol
Concen: 1.038 ng/ul m
RT: 7.466 min Scan# 6
Delta R.T. 0.006 min
Lab File: BG059005.D
Acq: 12 Sep 2023 7:10

Instrument :
BNA_G
ClientSampleId :
EZYK0

Tgt Ion: 94 Resp: 8900
Ion Ratio Lower Upper
94 100
65 24.4 22.4 33.6
66 50.4 35.0 52.6

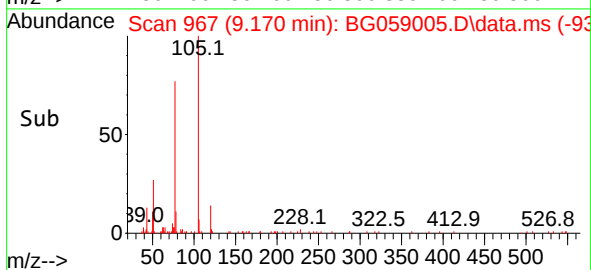
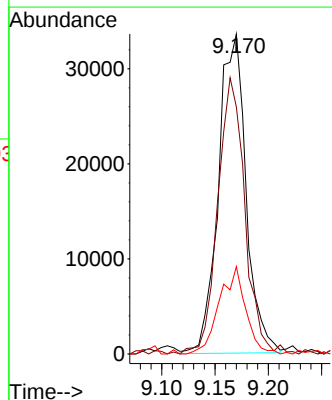
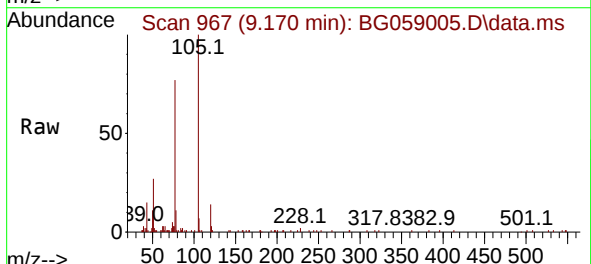
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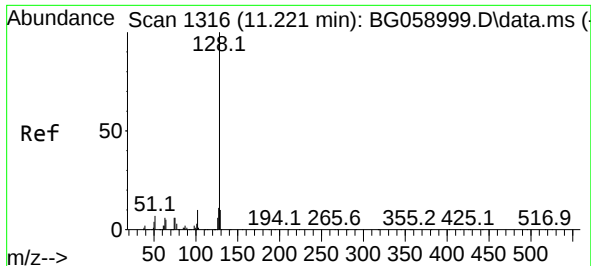
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023



#16
Acetophenone
Concen: 5.856 ng/ul
RT: 9.170 min Scan# 967
Delta R.T. -0.000 min
Lab File: BG059005.D
Acq: 12 Sep 2023 7:10

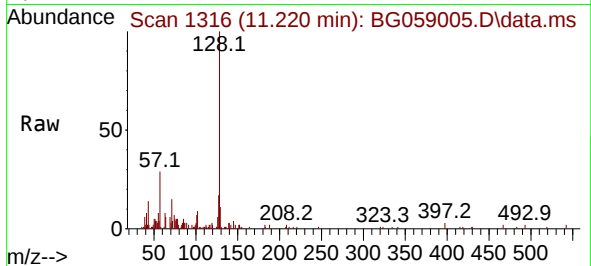
Tgt Ion:105 Resp: 60481
Ion Ratio Lower Upper
105 100
77 77.2 67.3 100.9
51 27.3 19.3 28.9





#30
Naphthalene
Concen: 1.936 ng/ul
RT: 11.220 min Scan# 1316
Delta R.T. -0.000 min
Lab File: BG059005.D
Acq: 12 Sep 2023 7:10

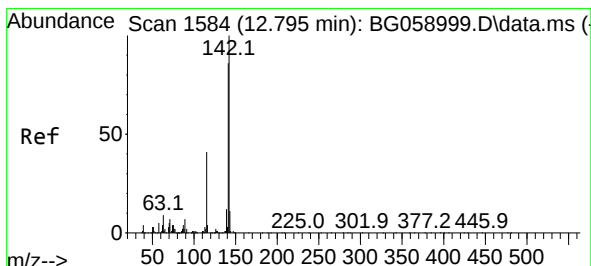
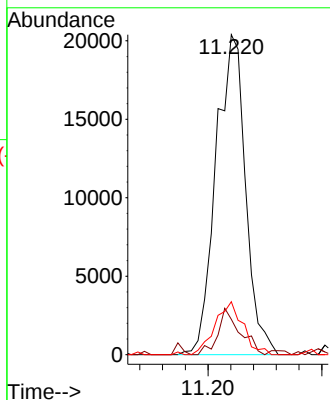
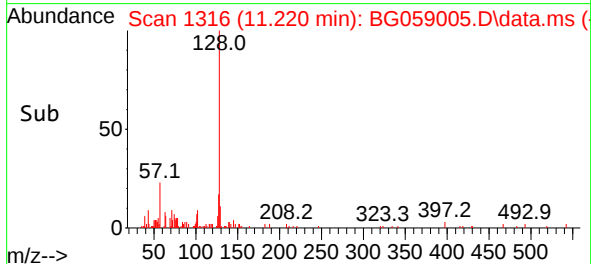
Instrument :
BNA_G
ClientSampleId :
EZYK0



Tgt Ion:128 Resp: 36810
Ion Ratio Lower Upper
128 100
129 11.0 8.2 12.2
127 16.6 10.9 16.3

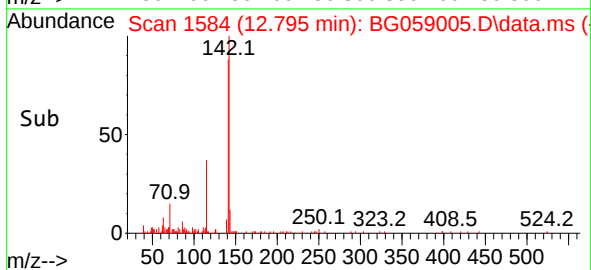
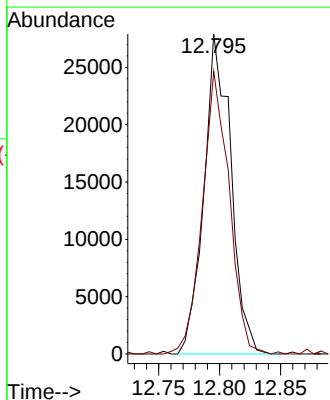
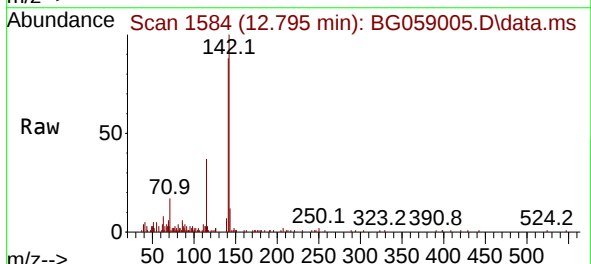
Manual Integrations
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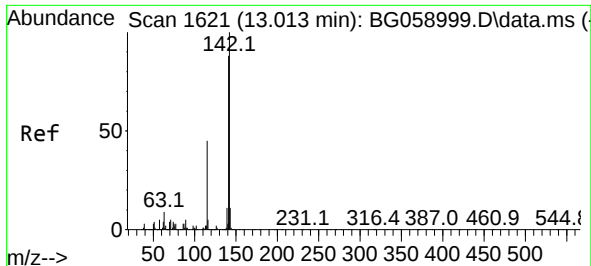
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023



#36
2-Methylnaphthalene
Concen: 3.018 ng/ul
RT: 12.795 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BG059005.D
Acq: 12 Sep 2023 7:10

Tgt Ion:142 Resp: 42818
Ion Ratio Lower Upper
142 100
141 88.4 65.7 98.5





#37
1-Methylnaphthalene
Concen: 2.123 ng/ul
RT: 13.018 min Scan# 1621
Delta R.T. -0.000 min
Lab File: BG059005.D
Acq: 12 Sep 2023 7:10

Instrument :

BNA_G

ClientSampleId :

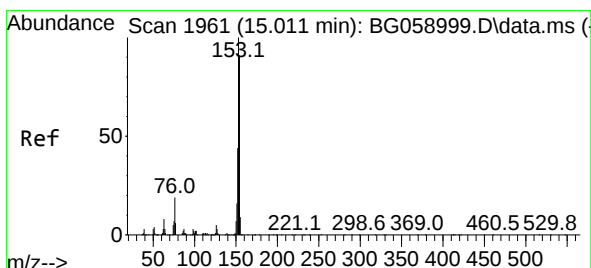
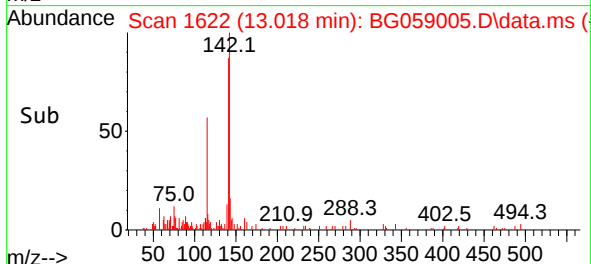
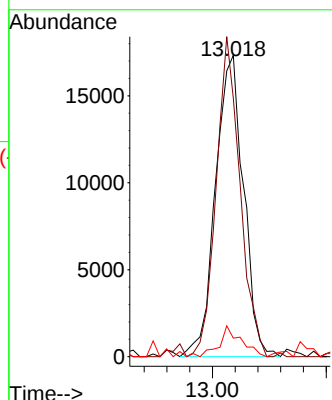
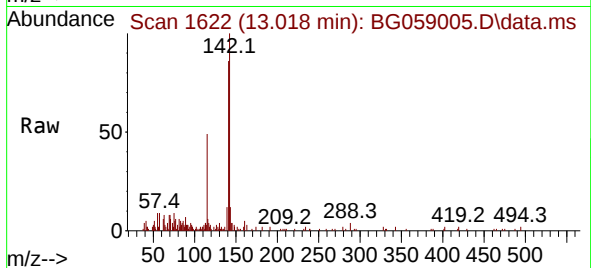
EZYK0

Tgt Ion:142 Resp: 2970
Ion Ratio Lower Upper
142 100
141 85.7 73.1 109.7
116 6.1 3.4 5.0

Manual Integrations

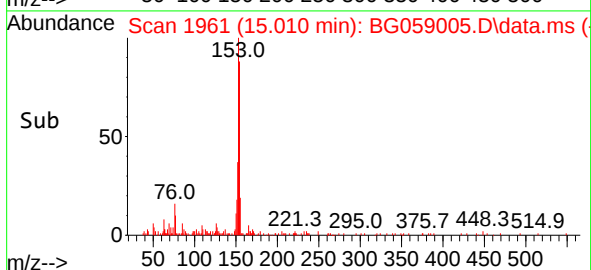
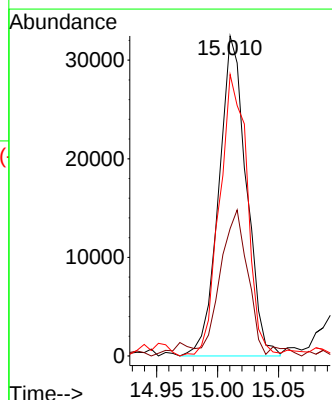
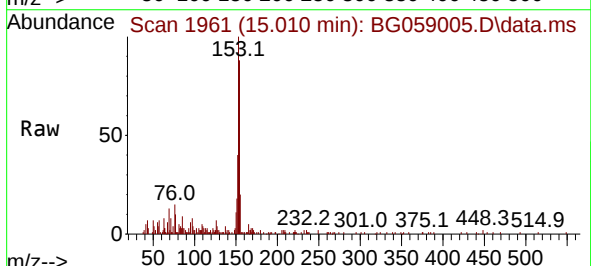
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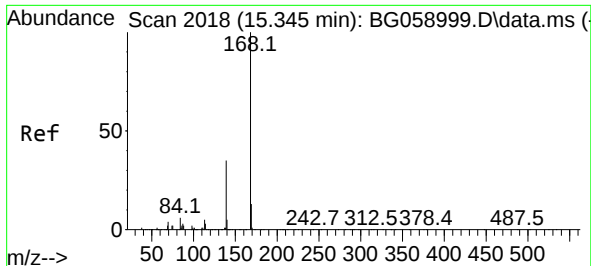
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023



#52
Acenaphthene
Concen: 3.041 ng/ul
RT: 15.010 min Scan# 1961
Delta R.T. -0.006 min
Lab File: BG059005.D
Acq: 12 Sep 2023 7:10

Tgt Ion:153 Resp: 51124
Ion Ratio Lower Upper
153 100
152 39.8 36.5 54.7
154 87.9 74.1 111.1





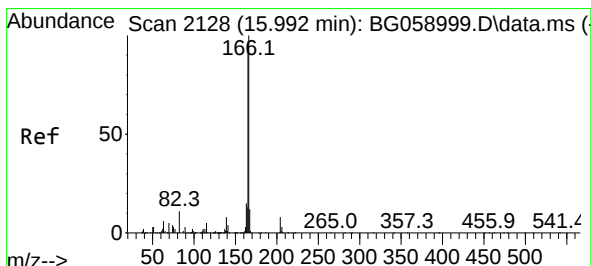
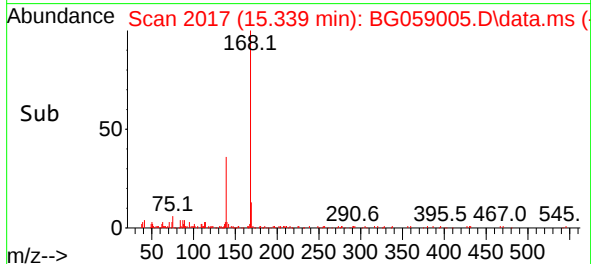
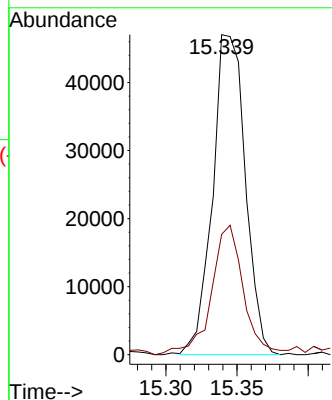
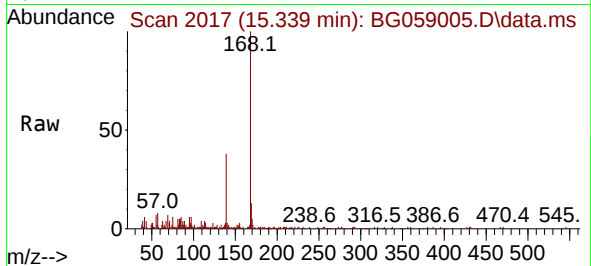
#56
Dibenzenofuran
Concen: 3.093 ng/ul
RT: 15.339 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BG059005.D
Acq: 12 Sep 2023 7:10

Instrument :
BNA_G
ClientSampleId :
EZYK0

Tgt Ion:168 Resp: 75312
Ion Ratio Lower Upper
168 100
139 37.6 27.4 41.2

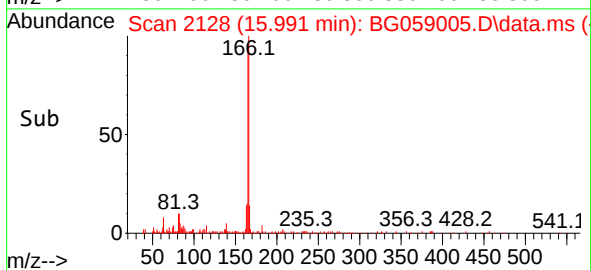
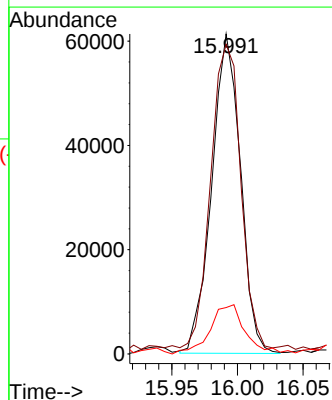
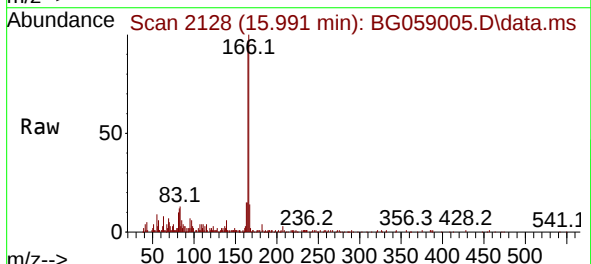
Manual Integrations
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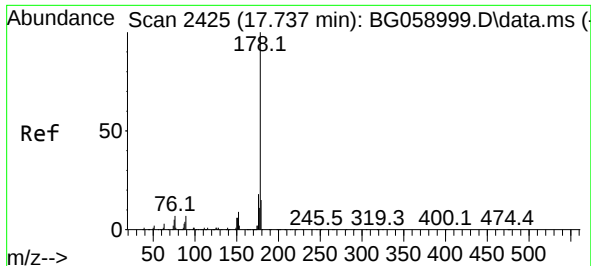
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023



#61
Fluorene
Concen: 4.662 ng/ul
RT: 15.991 min Scan# 2128
Delta R.T. -0.000 min
Lab File: BG059005.D
Acq: 12 Sep 2023 7:10

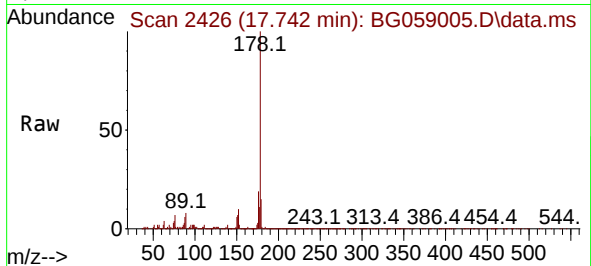
Tgt Ion:166 Resp: 93294
Ion Ratio Lower Upper
166 100
165 96.7 76.4 114.6
167 14.5 9.3 13.9#





#72
Phenanthrene
Concen: 31.418 ng/ul
RT: 17.742 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BG059005.D
Acq: 12 Sep 2023 7:10

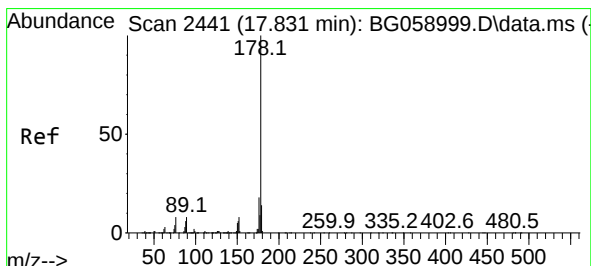
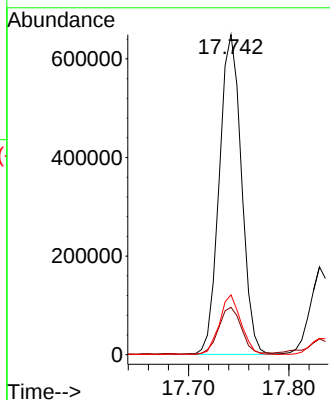
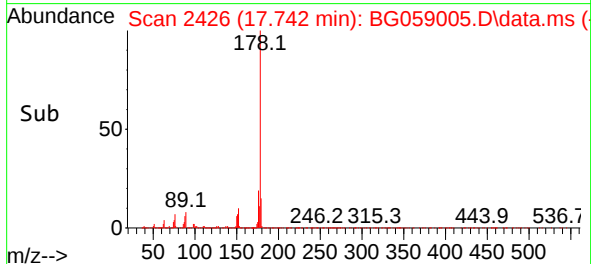
Instrument :
BNA_G
ClientSampleId :
EZYK0



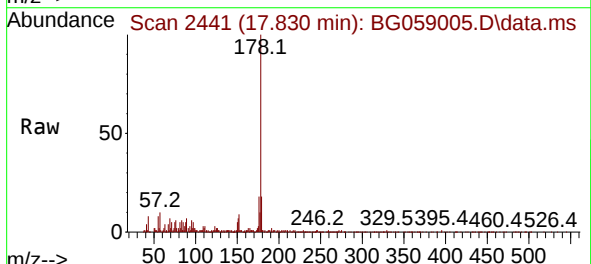
Tgt Ion:178 Resp: 994849
Ion Ratio Lower Upper
178 100
179 14.8 11.8 17.8
176 18.7 15.1 22.7

Manual Integrations
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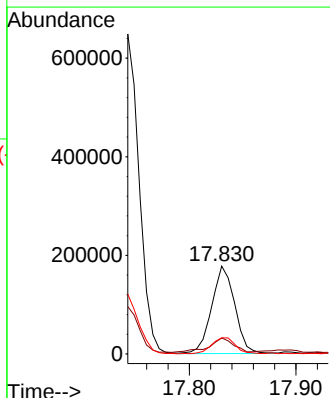
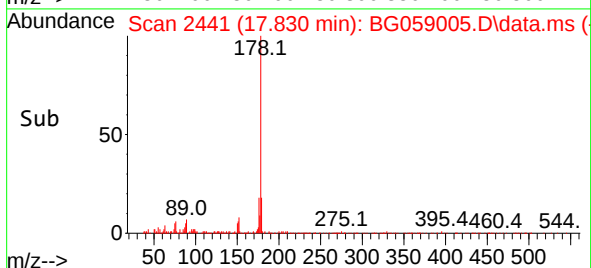
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023

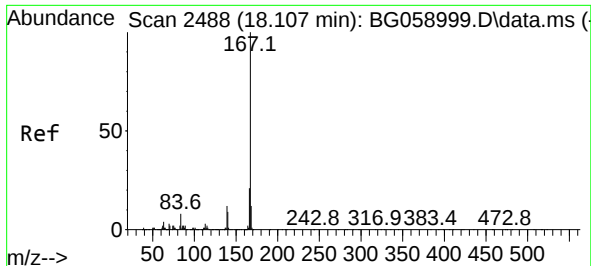


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Anthracene
Concen: 8.283 ng/ul
RT: 17.830 min Scan# 2441
Delta R.T. -0.006 min
Lab File: BG059005.D
Acq: 12 Sep 2023 7:10



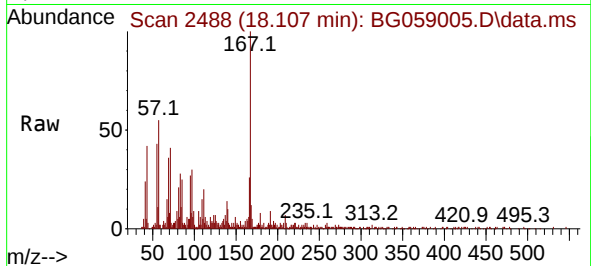
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Ion Ratio Lower Upper
178 100
179 18.3 12.2 18.4
176 18.5 14.4 21.6





#77
 Carbazole
 Concen: 2.828 ng/ul
 RT: 18.107 min Scan# 2488
 Delta R.T. -0.000 min
 Lab File: BG059005.D
 Acq: 12 Sep 2023 7:10

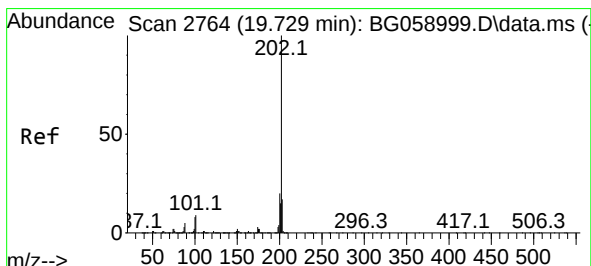
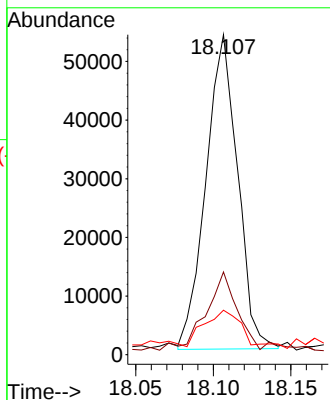
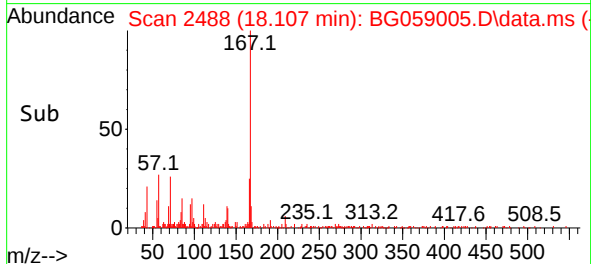
Instrument :
 BNA_G
 ClientSampleId :
 EZYK0



Tgt Ion:167 Resp: 76220
 Ion Ratio Lower Upper
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 139 13.9 9.4 14.2

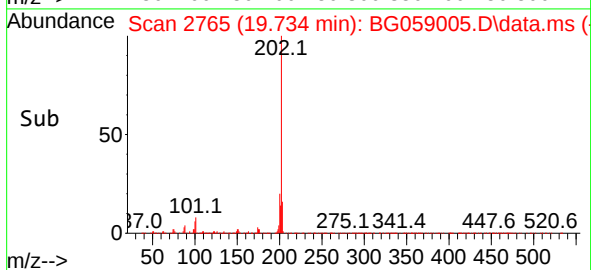
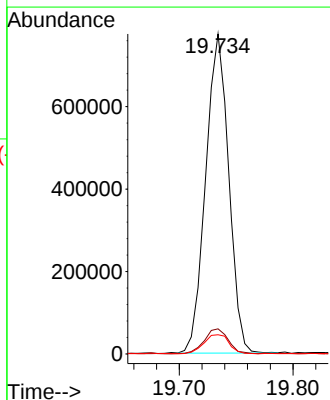
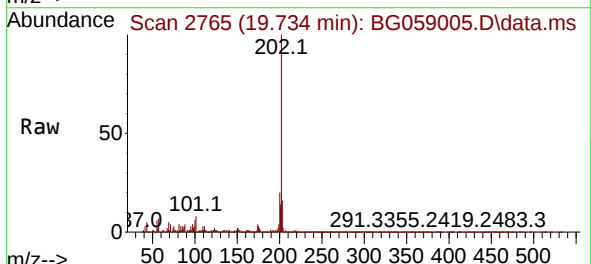
Manual Integrations
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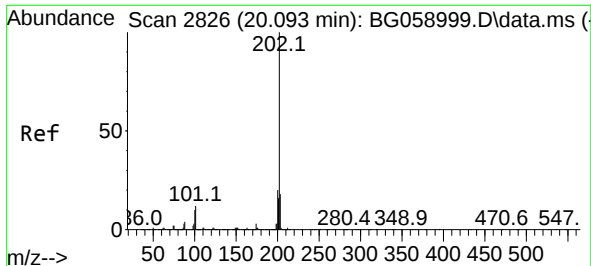
Reviewed By :Yogesh Patel 09/12/2023
 Supervised By :mohammad ahmed 09/13/2023



#80
 Fluoranthene
 Concen: 33.631 ng/ul
 RT: 19.734 min Scan# 2765
 Delta R.T. -0.000 min
 Lab File: BG059005.D
 Acq: 12 Sep 2023 7:10

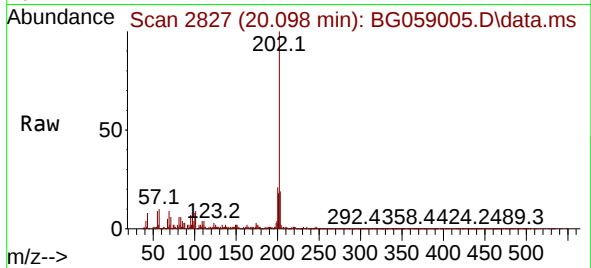
Tgt Ion:202 Resp: 1088999
 Ion Ratio Lower Upper
 202 100
 101 7.9 6.1 9.1
 100 6.0 5.9 8.9





#82
 Pyrene
 Concen: 26.455 ng/ul
 RT: 20.098 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG059005.D
 Acq: 12 Sep 2023 7:10

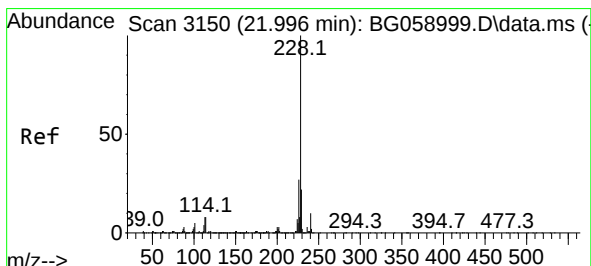
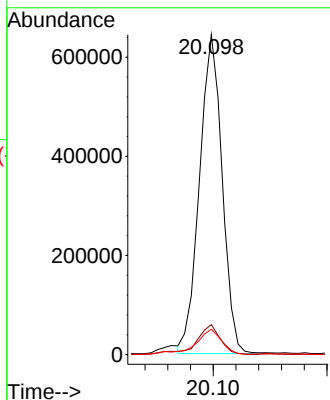
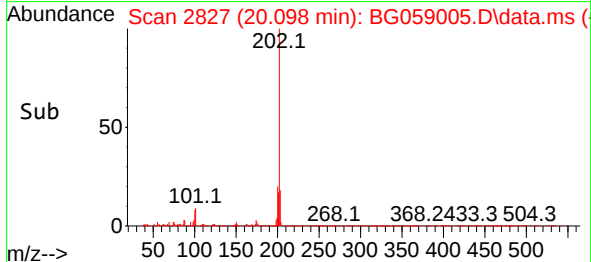
Instrument :
 BNA_G
 ClientSampleId :
 EZYK0



Tgt Ion:202 Resp: 89054
 Ion Ratio Lower Upper
 202 100
 101 9.4 7.5 11.3
 100 7.9 6.3 9.5

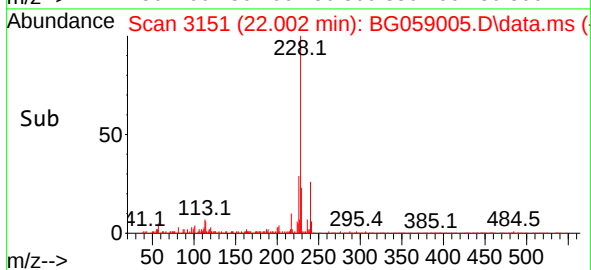
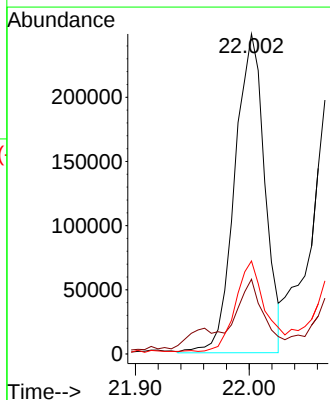
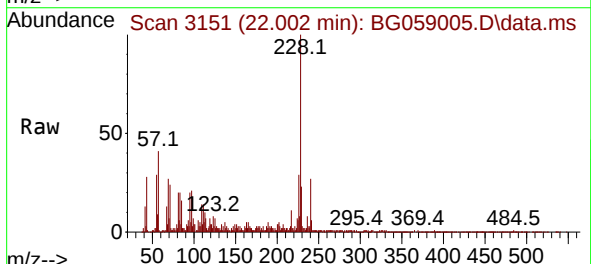
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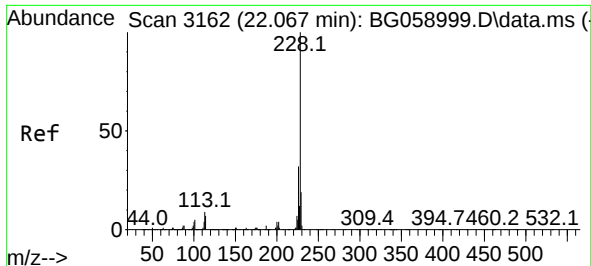
Reviewed By :Yogesh Patel 09/12/2023
 Supervised By :mohammad ahmed 09/13/2023



#85
 Benzo(a)anthracene
 Concen: 12.895 ng/ul
 RT: 22.002 min Scan# 3151
 Delta R.T. -0.000 min
 Lab File: BG059005.D
 Acq: 12 Sep 2023 7:10

Tgt Ion:228 Resp: 455216
 Ion Ratio Lower Upper
 228 100
 229 23.4 16.0 24.0
 226 29.1 20.8 31.2





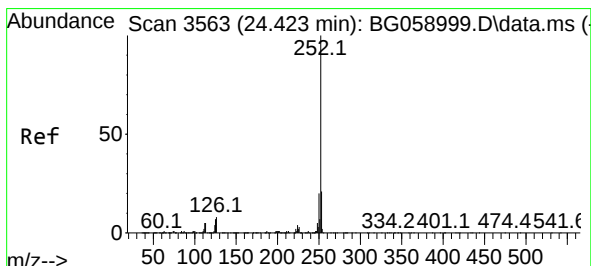
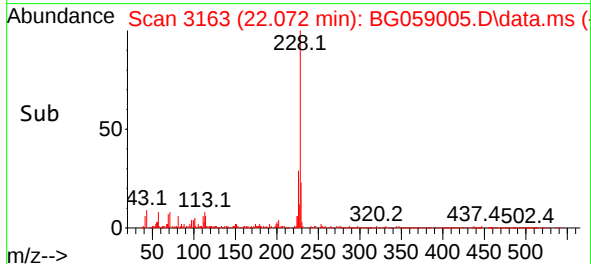
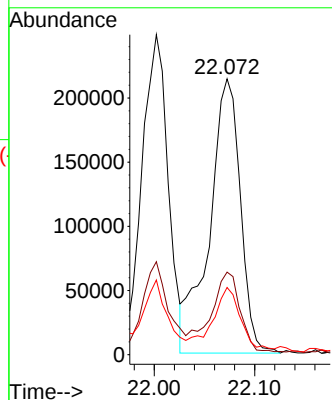
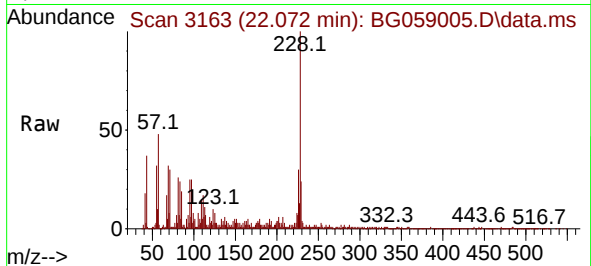
#87
Chrysene
Concen: 13.954 ng/u1
RT: 22.072 min Scan# 3162
Delta R.T. -0.000 min
Lab File: BG059005.D
Acq: 12 Sep 2023 7:10

Instrument :
BNA_G
ClientSampleId :
EZYK0

Tgt Ion:228 Resp: 457925
Ion Ratio Lower Upper
228 100
226 29.9 23.2 34.8
229 24.4 15.3 22.9

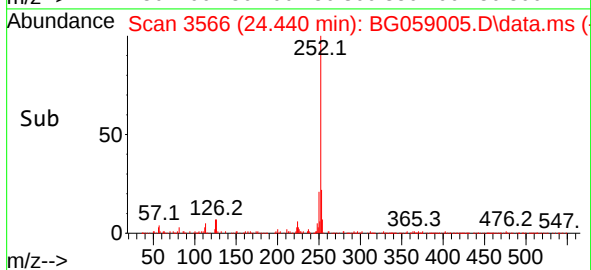
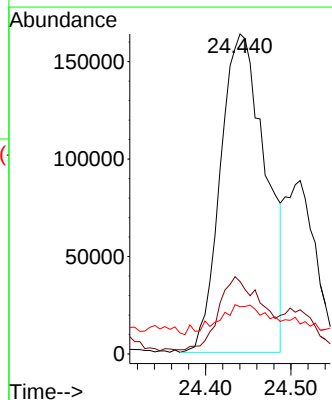
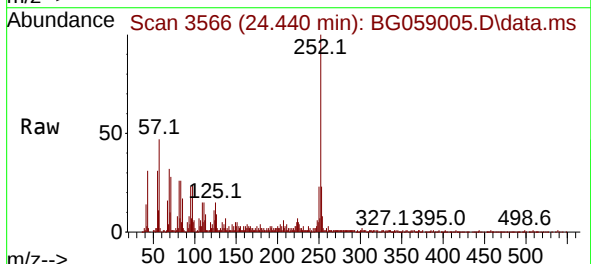
Manual Integrations
APPROVED

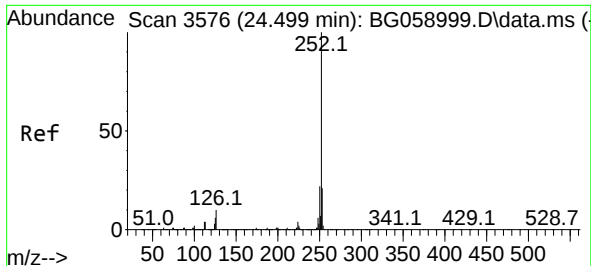
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023



#90
Benzo(b)fluoranthene
Concen: 15.812 ng/u1
RT: 24.440 min Scan# 3566
Delta R.T. 0.006 min
Lab File: BG059005.D
Acq: 12 Sep 2023 7:10

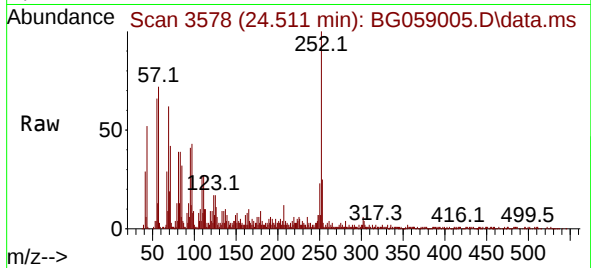
Tgt Ion:252 Resp: 599616
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 14.8 6.2 9.2





#91
Benzo(k)fluoranthene
Concen: 5.811 ng/ul m
RT: 24.511 min Scan# 3576
Delta R.T. -0.000 min
Lab File: BG059005.D
Acq: 12 Sep 2023 7:10

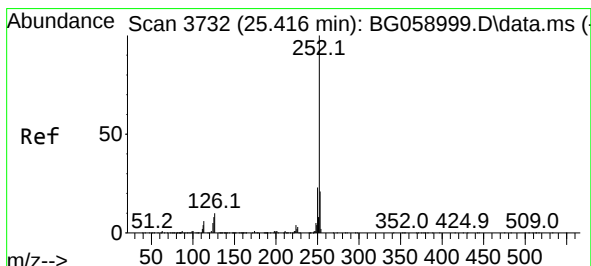
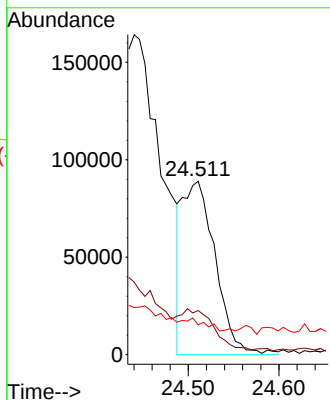
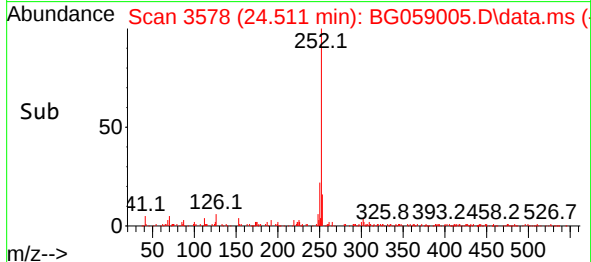
Instrument : BNA_G
ClientSampleId : EYZK0



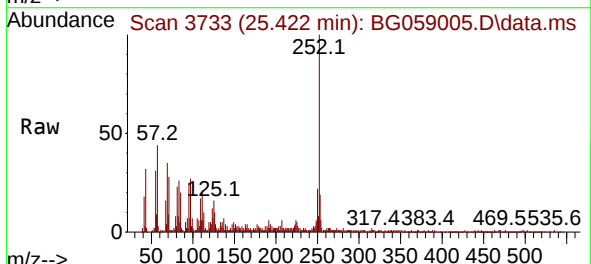
Tgt Ion:252 Resp: 225185
Ion Ratio Lower Upper
252 100
253 25.5 19.1 28.7
125 17.3 5.0 7.4

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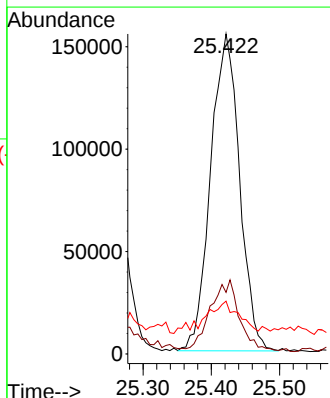
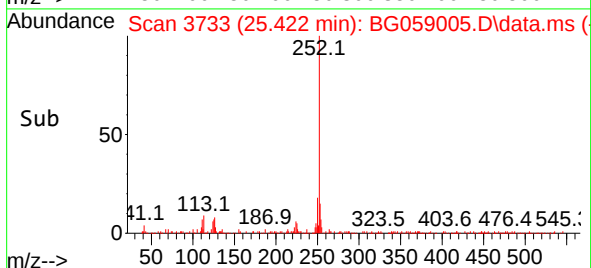
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023

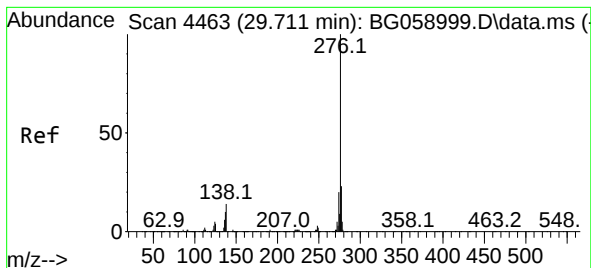


#93
Benzo(a)pyrene
Concen: 12.916 ng/ul
RT: 25.422 min Scan# 3733
Delta R.T. -0.006 min
Lab File: BG059005.D
Acq: 12 Sep 2023 7:10



Tgt Ion:252 Resp: 456990
Ion Ratio Lower Upper
252 100
253 19.3 17.1 25.7
125 16.5 5.3 7.9





#94

Indeno(1,2,3-cd)pyrene

Concen: 7.309 ng/ul

RT: 29.716 min Scan# 4464

Delta R.T. -0.000 min

Lab File: BG059005.D

Acq: 12 Sep 2023 7:10

Instrument :

BNA_G

ClientSampleId :

EZYK0

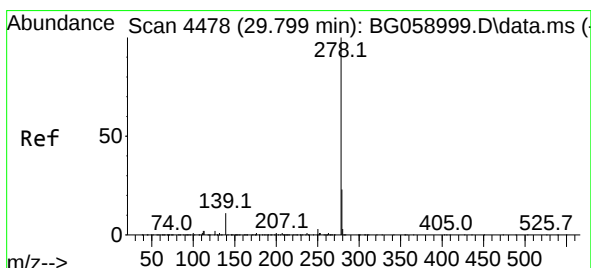
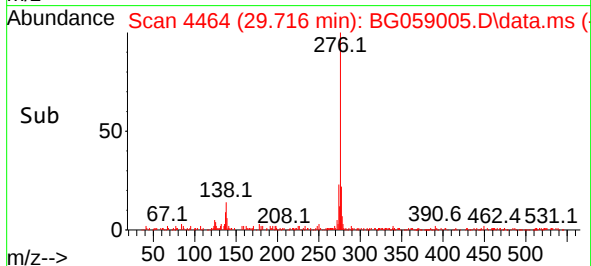
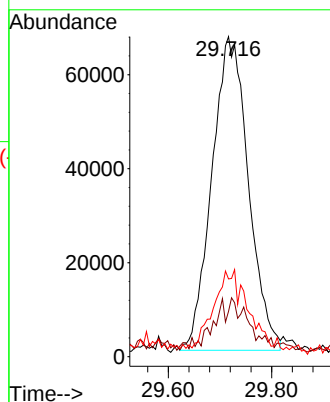
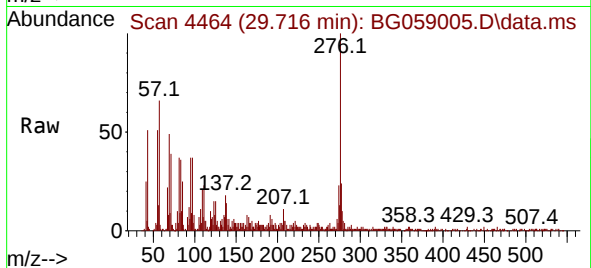
Tgt Ion:	276	Resp:	326729
Ion Ratio	Lower	Upper	
276	100		
138	14.2	11.8	17.8
277	24.3	20.7	31.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/12/2023

Supervised By :mohammad ahmed 09/13/2023



#95

Dibenzo(a,h)anthracene

Concen: 2.727 ng/ul m

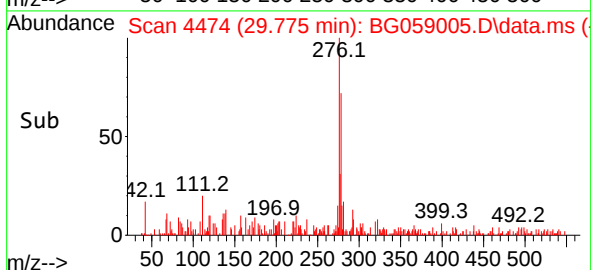
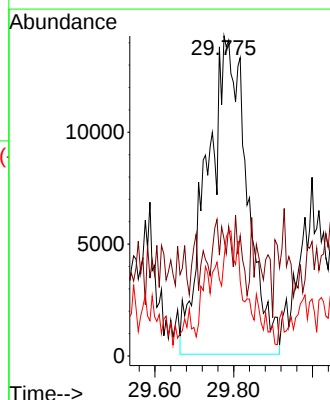
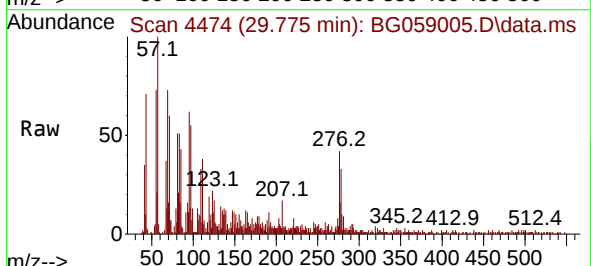
RT: 29.775 min Scan# 4474

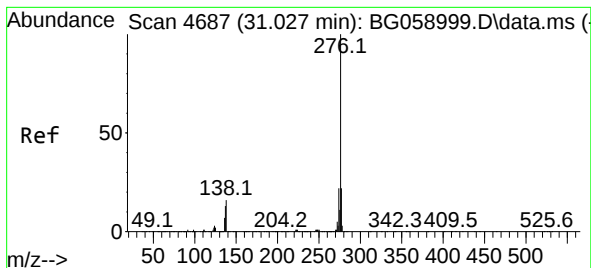
Delta R.T. -0.035 min

Lab File: BG059005.D

Acq: 12 Sep 2023 7:10

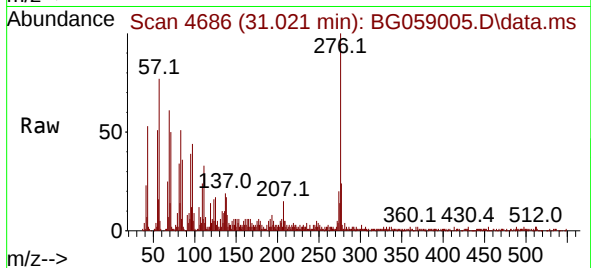
Tgt Ion:	278	Resp:	101002
Ion Ratio	Lower	Upper	
278	100		
139	36.5	9.8	14.8#
279	30.5	18.5	27.7#





#96
Benzo(g,h,i)perylene
Concen: 9.612 ng/ul m
RT: 31.021 min Scan# 40
Delta R.T. -0.018 min
Lab File: BG059005.D
Acq: 12 Sep 2023 7:10

Instrument :
BNA_G
ClientSampleId :
EZYK0



Tgt Ion:276 Resp: 34012
Ion Ratio Lower Upper
276 100
138 17.2 11.4 17.2
277 24.4 17.4 26.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023

