

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
 Data File : BG059004.D
 Acq On : 12 Sep 2023 6:29
 Operator : MA/JU
 Sample : 04235-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYJ9

Manual Integrations
 APPROVED

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

Quant Time: Sep 12 07:17:24 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	8.325	152	112068	20.000	ng/u1	0.00
20) Naphthalene-d8	11.169	136	459622	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.947	164	279735	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.697	188	582902	20.000	ng/u1	# 0.00
79) Chrysene-d12	22.033	240	470279	20.000	ng/u1	# 0.00
88) Perylene-d12	25.646	264	554636	20.000	ng/u1	# 0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.637	96	5162m	1.958	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.432	99	20078	1.777	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.638	67	60875	9.186	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.832	132	4027m	0.556	ng/u1	-0.01
15) 4-Methylphenol-d8	9.007	113	17735	2.031	ng/u1	0.00
21) Nitrobenzene-d5	9.518	128	35390	10.615	ng/u1	0.00
24) 2-Nitrophenol-d4	10.241	143	1681	0.460	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.752	165	5056m	0.650	ng/u1	-0.01
31) 4-Chloroaniline-d4	11.310	131	79376	7.592	ng/u1	0.00
46) Dimethylphthalate-d6	14.342	166	234026	10.785	ng/u1	0.00
49) Acenaphthylene-d8	14.647	160	287589	11.902	ng/u1	0.00
54) 4-Nitrophenol-d4	15.135	143	5650	1.568	ng/u1	0.02
60) Fluorene-d10	15.934	176	228160	11.848	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.028	200	487	0.170	ng/u1	-0.01
73) Anthracene-d10	17.796	188	325968m	12.597	ng/u1	0.00
81) Pyrene-d10	20.070	212	346827	13.922	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.388	264	339769	12.497	ng/u1	0.05
Target Compounds						
					Qvalue	
16) Acetophenone	9.165	105	31401	2.169	ng/u1	95
36) 2-Methylnaphthalene	12.796	142	164007	9.072	ng/u1	95
37) 1-Methylnaphthalene	13.014	142	156824	8.795	ng/u1#	84
43) 1,1'-Biphenyl	13.789	154	36589	1.750	ng/u1	91
72) Phenanthrene	17.738	178	326063	11.022	ng/u1#	95
80) Fluoranthene	19.735	202	379730	13.126	ng/u1	98
82) Pyrene	20.100	202	248112	8.250	ng/u1#	96
85) Benzo(a)anthracene	22.009	228	50967	1.616	ng/u1#	62
87) Chrysene	22.086	228	208524	7.112	ng/u1#	85
90) Benzo(b)fluoranthene	24.477	252	228348m	6.911	ng/u1	
91) Benzo(k)fluoranthene	24.553	252	67917m	2.012	ng/u1	
94) Indeno(1,2,3-cd)pyrene	29.812	276	97785m	2.511	ng/u1	
96) Benzo(g,h,i)perylene	31.146	276	107563m	3.489	ng/u1	

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

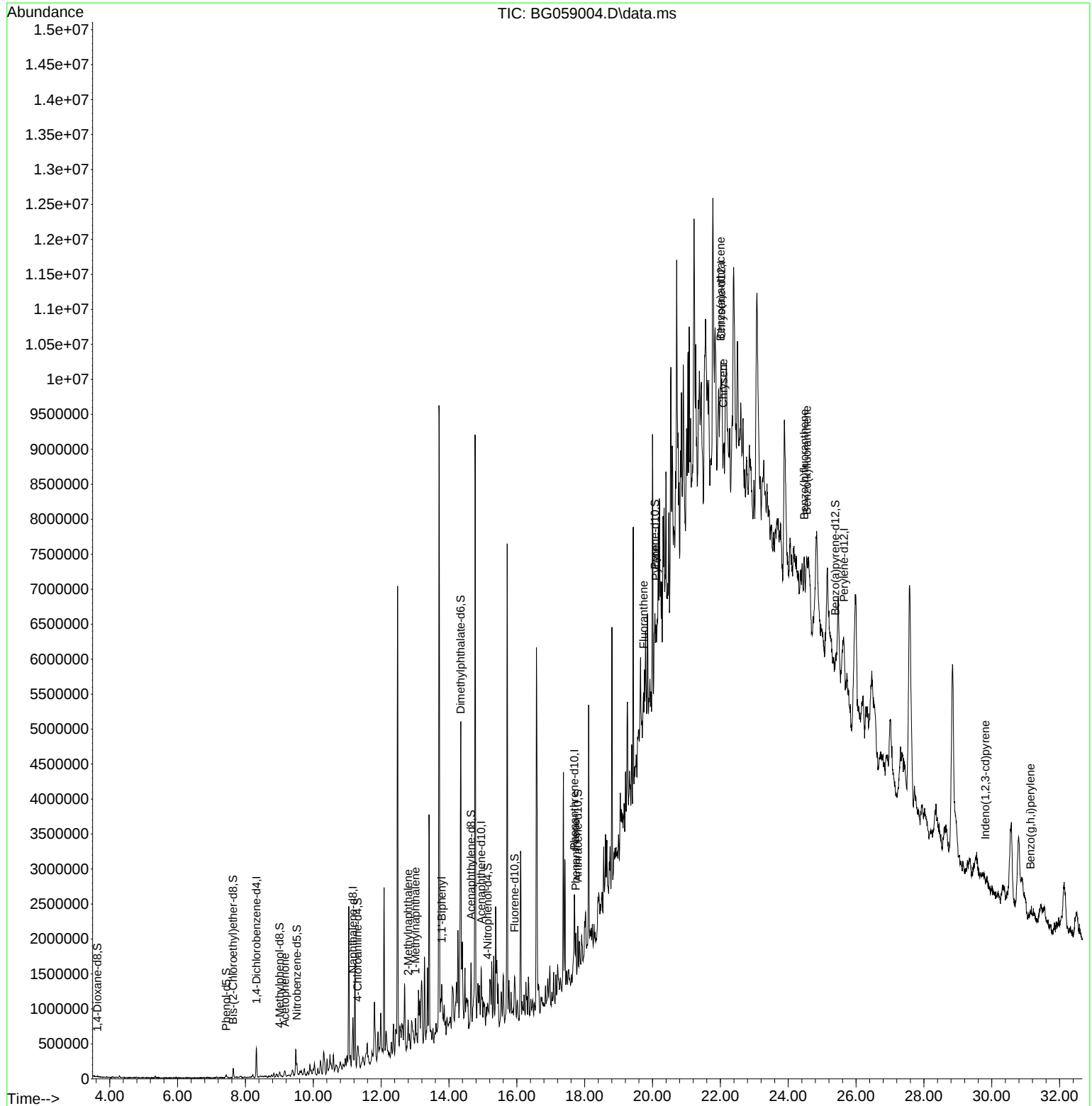
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
Data File : BG059004.D
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Operator : MA/JU
Sample : 04235-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

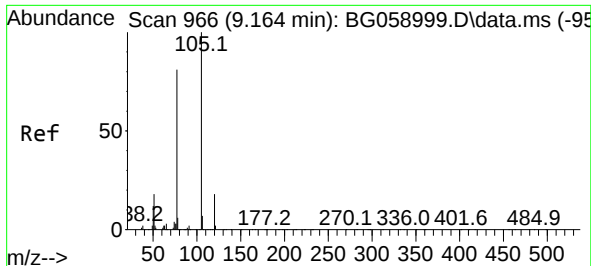
Instrument :
BNA_G
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EZYJ9

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Quant Title : SVOA CALIBRATION
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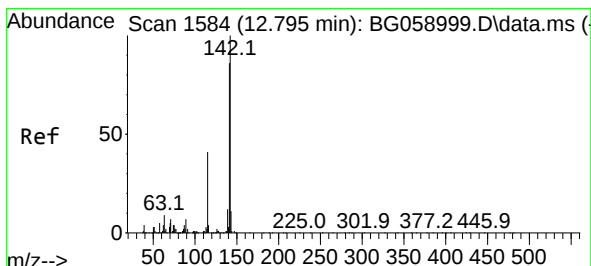
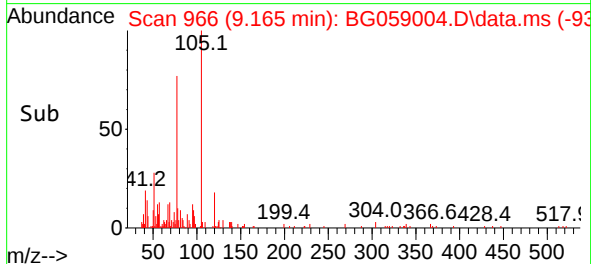
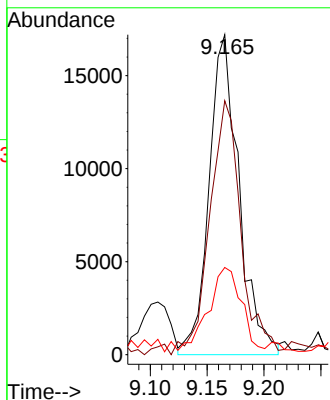
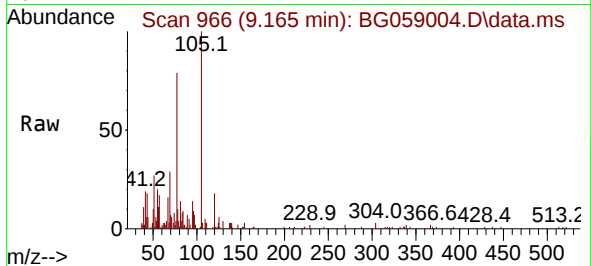
#16
Acetophenone
Concen: 2.169 ng/ul
RT: 9.165 min Scan# 916
Delta R.T. -0.005 min
Lab File: BG059004.D
Acq: 12 Sep 2023 6:29

Instrument :
BNA_G
ClientSampleId :
EZYJ9

Tgt Ion:105 Resp: 3140
Ion Ratio Lower Upper
105 100
77 79.3 67.3 100.9
51 27.2 19.3 28.9

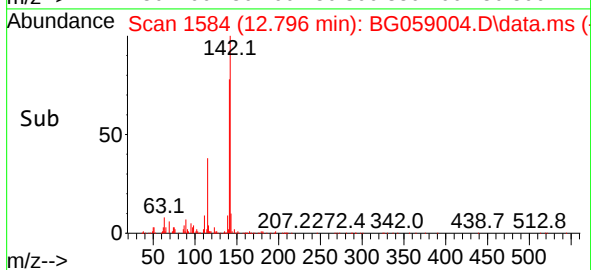
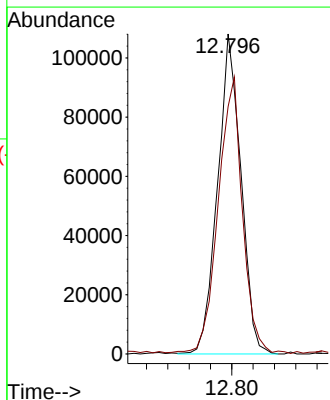
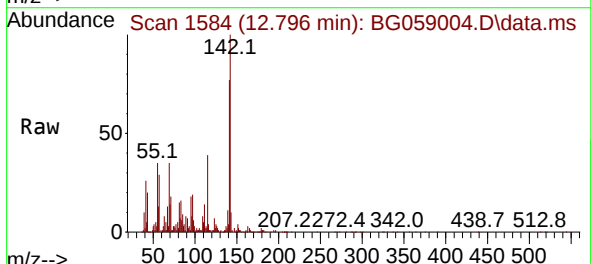
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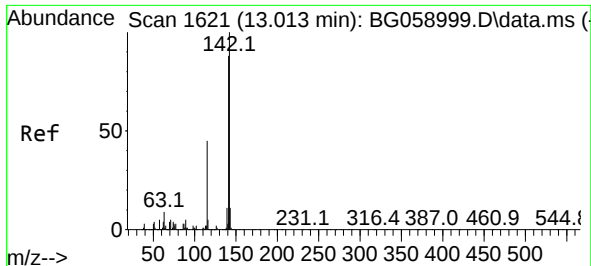
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023



#36
2-Methylnaphthalene
Concen: 9.072 ng/ul
RT: 12.796 min Scan# 1584
Delta R.T. -0.005 min
Lab File: BG059004.D
Acq: 12 Sep 2023 6:29

Tgt Ion:142 Resp: 164007
Ion Ratio Lower Upper
142 100
141 77.3 65.7 98.5





#37

1-Methylnaphthalene

Concen: 8.795 ng/ul

RT: 13.014 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG059004.D

Acq: 12 Sep 2023 6:29

Instrument :

BNA_G

ClientSampleId :

EZYJ9

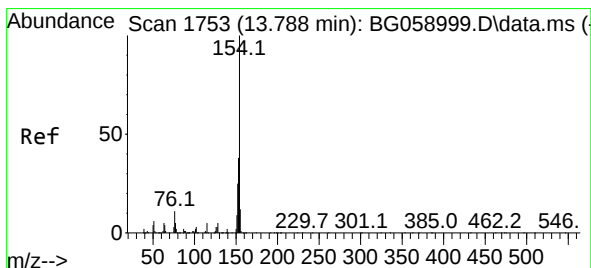
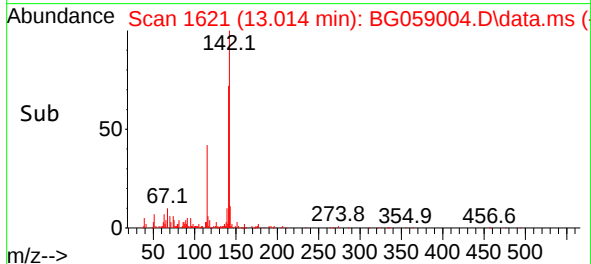
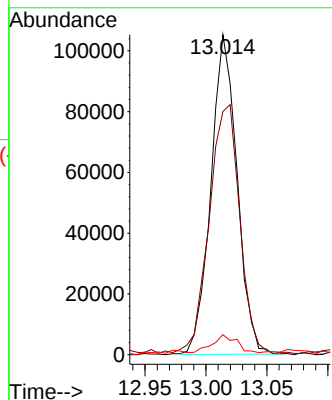
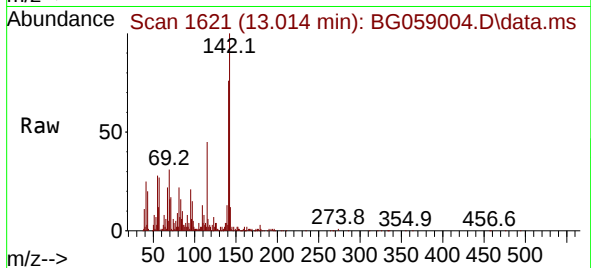
Tgt Ion:	142	Resp:	156824
Ion Ratio	Lower	Upper	
142	100		
141	76.0	73.1	109.7
116	6.3	3.4	5.0

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#43

1,1'-Biphenyl

Concen: 1.750 ng/ul

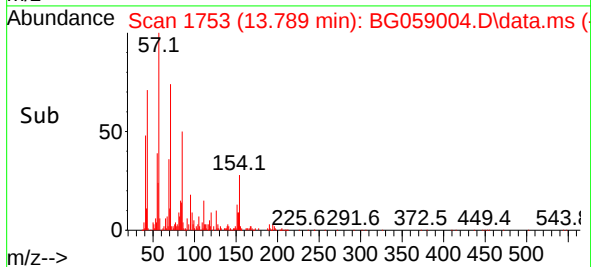
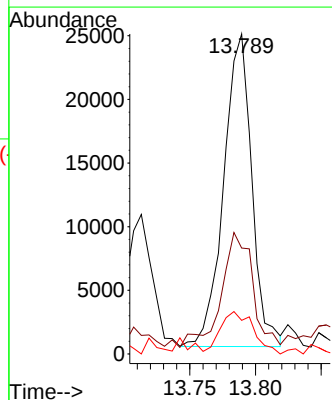
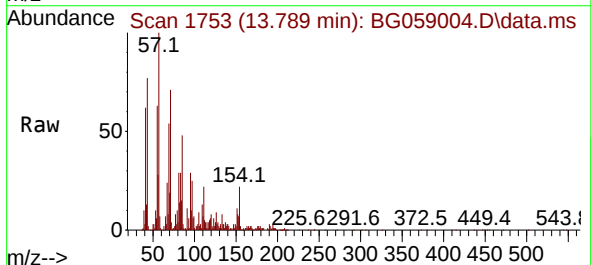
RT: 13.789 min Scan# 1753

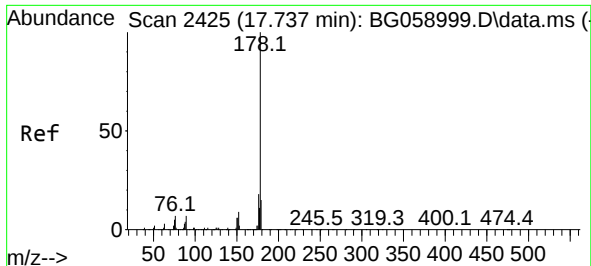
Delta R.T. 0.001 min

Lab File: BG059004.D

Acq: 12 Sep 2023 6:29

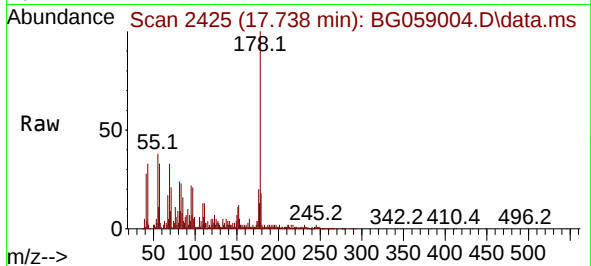
Tgt Ion:	154	Resp:	36589
Ion Ratio	Lower	Upper	
154	100		
153	33.1	31.6	47.4
76	10.5	9.0	13.4





#72
Phenanthrene
Concen: 11.022 ng/ul
RT: 17.738 min Scan# 2425
Delta R.T. -0.005 min
Lab File: BG059004.D
Acq: 12 Sep 2023 6:29

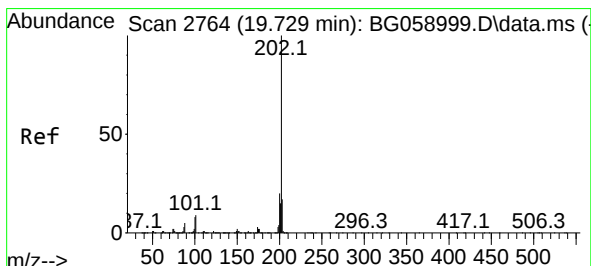
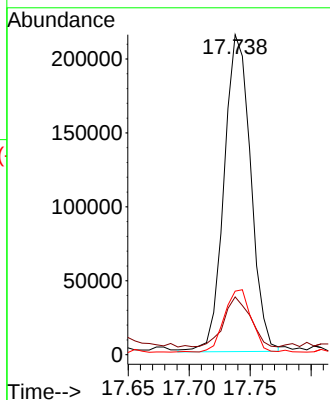
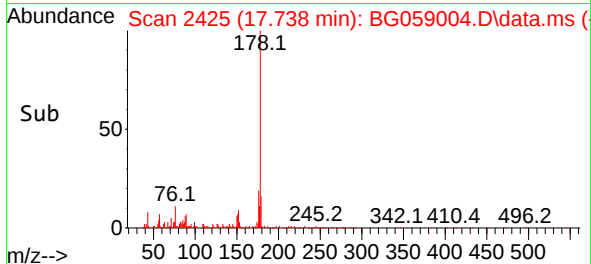
Instrument :
BNA_G
ClientSampleId :
EZYJ9



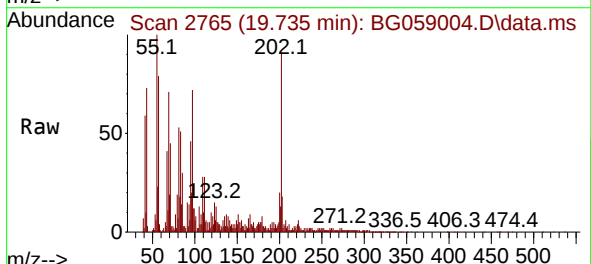
Tgt Ion:178 Resp: 326063
Ion Ratio Lower Upper
178 100
179 18.0 11.8 17.8
176 19.8 15.1 22.7

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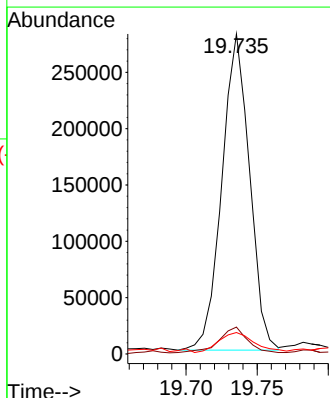
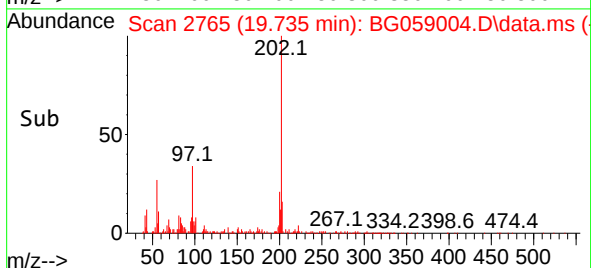
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023

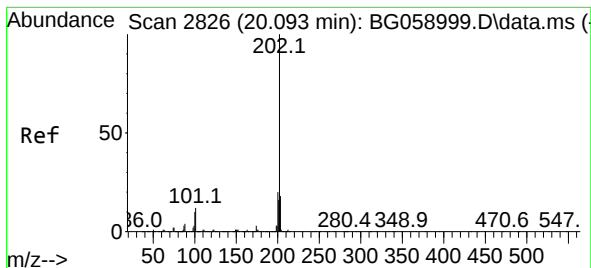


#80
Fluoranthene
Concen: 13.126 ng/ul
RT: 19.735 min Scan# 2765
Delta R.T. 0.001 min
Lab File: BG059004.D
Acq: 12 Sep 2023 6:29



Tgt Ion:202 Resp: 379730
Ion Ratio Lower Upper
202 100
101 8.4 6.1 9.1
100 6.7 5.9 8.9





#82

Pyrene

Concen: 8.250 ng/ul

RT: 20.100 min Scan# 2

Delta R.T. 0.001 min

Lab File: BG059004.D

Acq: 12 Sep 2023 6:29

Instrument :

BNA_G

ClientSampleId :

EZYJ9

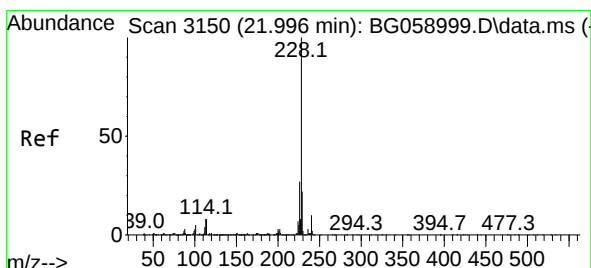
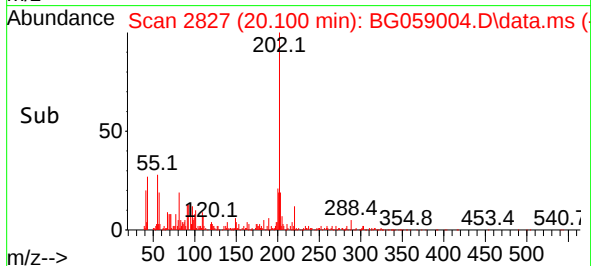
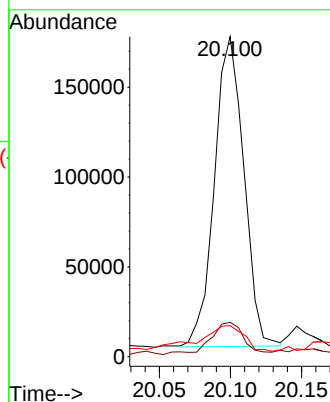
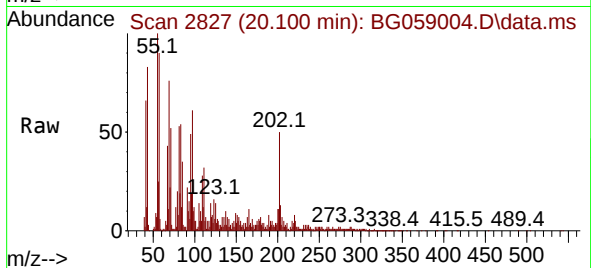
Tgt Ion:	202	Resp:	24811
Ion Ratio	Lower	Upper	
202	100		
101	10.8	7.5	11.3
100	9.7	6.3	9.5

Manual Integrations

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Supervised By :mohammad ahmed 09/13/2023



#85

Benzo(a)anthracene

Concen: 1.616 ng/ul

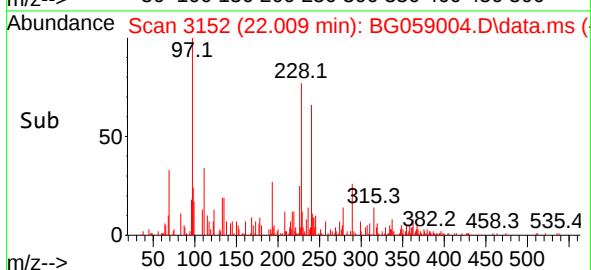
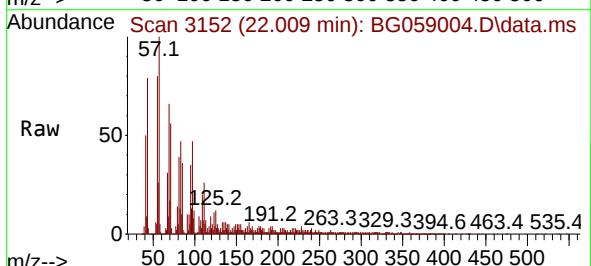
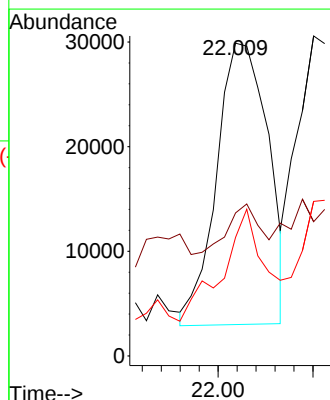
RT: 22.009 min Scan# 3152

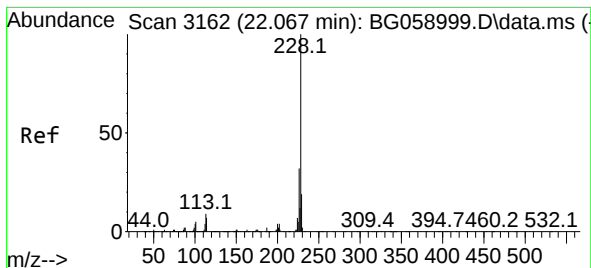
Delta R.T. 0.007 min

Lab File: BG059004.D

Acq: 12 Sep 2023 6:29

Tgt Ion:	228	Resp:	50967
Ion Ratio	Lower	Upper	
228	100		
229	45.7	16.0	24.0#
226	37.9	20.8	31.2#





#87

Chrysene

Concen: 7.112 ng/ul

RT: 22.086 min Scan# 3165

Delta R.T. 0.013 min

Lab File: BG059004.D

Acq: 12 Sep 2023 6:29

Instrument :

BNA_G

ClientSampleId :

EZYJ9

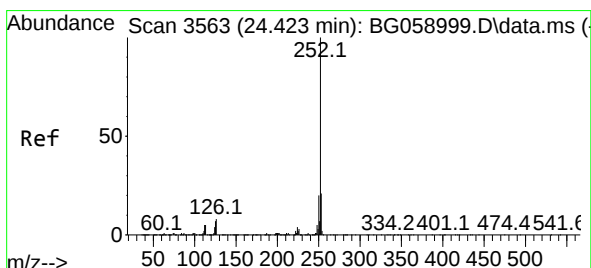
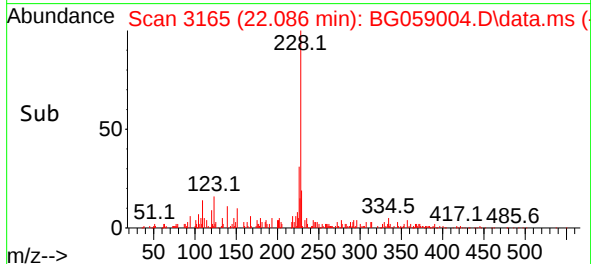
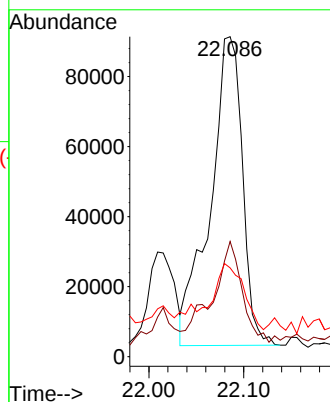
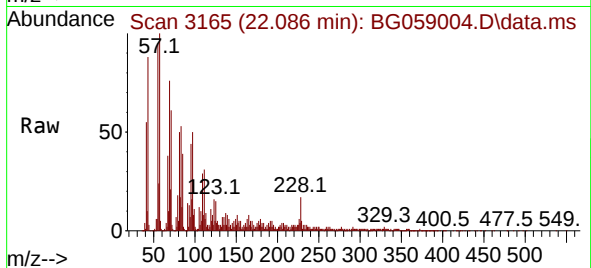
Tgt Ion:	228	Resp:	208524
Ion Ratio	Lower	Upper	
228	100		
226	36.0	23.2	34.8
229	27.8	15.3	22.9

Manual Integrations

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Supervised By :mohammad ahmed 09/13/2023



#90

Benzo(b)fluoranthene

Concen: 6.911 ng/ul m

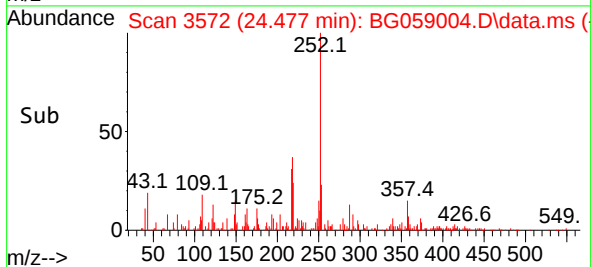
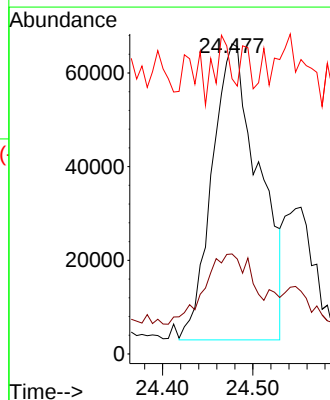
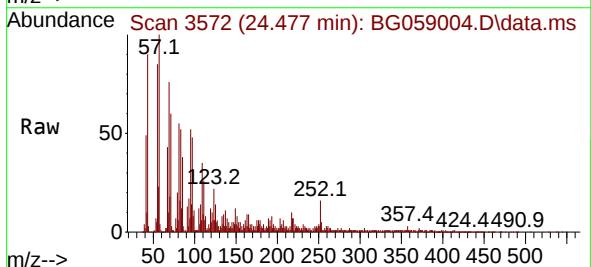
RT: 24.477 min Scan# 3572

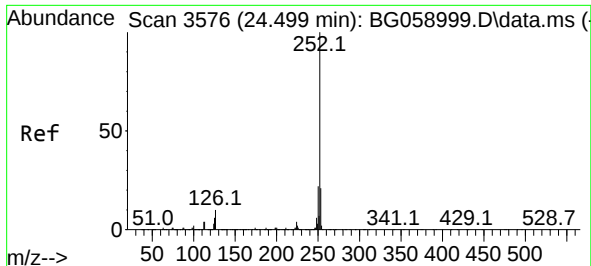
Delta R.T. 0.042 min

Lab File: BG059004.D

Acq: 12 Sep 2023 6:29

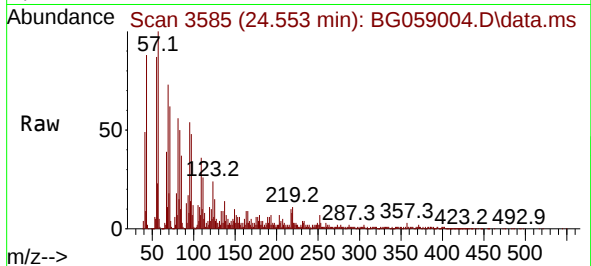
Tgt Ion:	252	Resp:	228348
Ion Ratio	Lower	Upper	
252	100		
253	32.3	17.8	26.8
125	88.7	6.2	9.2





#91
Benzo(k)fluoranthene
Concen: 2.012 ng/ul m
RT: 24.553 min Scan# 3
Delta R.T. 0.042 min
Lab File: BG059004.D
Acq: 12 Sep 2023 6:29

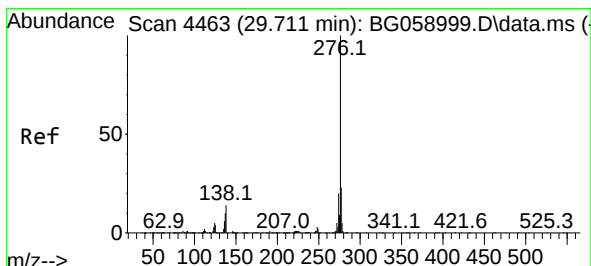
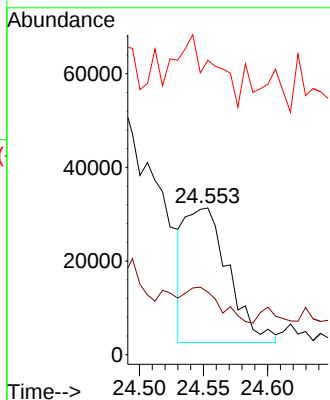
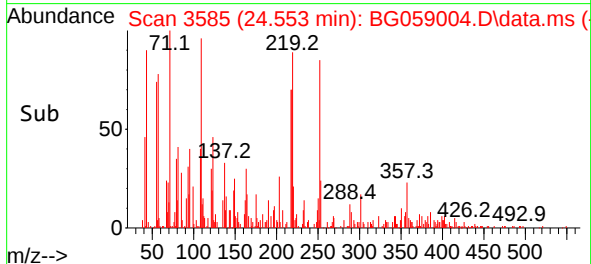
Instrument :
BNA_G
ClientSampleId :
EZYJ9



Tgt Ion:252 Resp: 6791
Ion Ratio Lower Upper
252 100
253 42.8 19.1 28.7
125 200.6 5.0 7.4

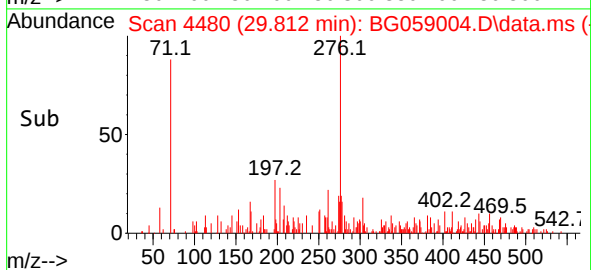
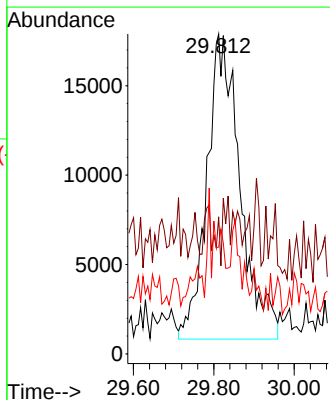
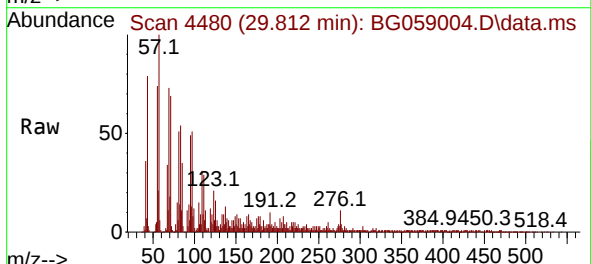
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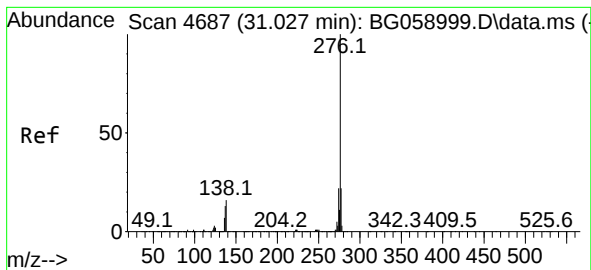
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023



#94
Indeno(1,2,3-cd)pyrene
Concen: 2.511 ng/ul m
RT: 29.812 min Scan# 4480
Delta R.T. 0.095 min
Lab File: BG059004.D
Acq: 12 Sep 2023 6:29

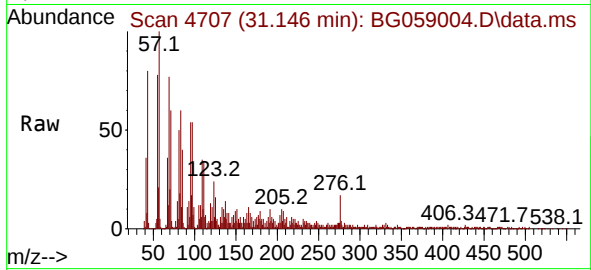
Tgt Ion:276 Resp: 97785
Ion Ratio Lower Upper
276 100
138 42.9 11.8 17.8#
277 33.4 20.7 31.1#





#96
 Benzo(g,h,i)perylene
 Concen: 3.489 ng/ul m
 RT: 31.146 min Scan# 4
 Delta R.T. 0.107 min
 Lab File: BG059004.D
 Acq: 12 Sep 2023 6:29

Instrument :
 BNA_G
 ClientSampleId :
 EZYJ9



Tgt Ion:276 Resp: 10756
 Ion Ratio Lower Upper
 276 100
 138 28.6 11.4 17.2
 277 25.4 17.4 26.2

Manual Integrations
 APPROVED

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

