

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059032.D
 Acq On : 13 Sep 2023 6:19
 Operator : MA/JU
 Sample : 04175-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYD2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023

Quant Time: Sep 13 07:02:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 12 23:54:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.318	152	87316	20.000	ng/ul	0.00
20) Naphthalene-d8	11.161	136	411226	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.945	164	258051	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.695	188	565944	20.000	ng/ul	# 0.00
79) Chrysene-d12	22.025	240	482512	20.000	ng/ul	# 0.01
88) Perylene-d12	25.621	264	586223	20.000	ng/ul	# 0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.629	96	9587	4.667	ng/uL	0.00
4) Pyridine-d5	4.064	84	123494	18.988	ng/ul	0.00
7) Phenol-d5	7.430	99	291038	33.054	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.630	67	158373	30.674	ng/ul	0.00
11) 2-Chlorophenol-d4	7.830	132	192200	34.035	ng/ul	0.00
15) 4-Methylphenol-d8	8.999	113	167057	24.558	ng/ul	0.00
21) Nitrobenzene-d5	9.510	128	106781	35.798	ng/ul	0.00
24) 2-Nitrophenol-d4	10.227	143	128195	39.167	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.756	165	231407	33.267	ng/ul	0.00
31) 4-Chloroaniline-d4	11.302	131	68743	7.349	ng/ul	0.00
46) Dimethylphthalate-d6	14.334	166	764616	38.199	ng/ul	0.00
49) Acenaphthylene-d8	14.646	160	613776	27.536	ng/ul	0.00
54) 4-Nitrophenol-d4	15.116	143	49585	14.913	ng/ul	0.00
60) Fluorene-d10	15.932	176	700051	39.409	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.038	200	41273	14.857	ng/ul	0.00
73) Anthracene-d10	17.795	188	1012840	40.314	ng/ul	0.00
81) Pyrene-d10	20.069	212	1110772	43.458	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.368	264	1154273	40.167	ng/ul	0.05
Target Compounds						
					Qvalue	
16) Acetophenone	9.158	105	13586	1.205	ng/ul#	91
30) Naphthalene	11.214	128	47934	2.211	ng/ul#	93
36) 2-Methylnaphthalene	12.789	142	56976	3.522	ng/ul	84
37) 1-Methylnaphthalene	13.012	142	32203	2.018	ng/ul#	98
72) Phenanthrene	17.736	178	145303	5.059	ng/ul	95
78) Di-n-butylphthalate	18.611	149	73796	2.723	ng/ul#	90
80) Fluoranthene	19.728	202	166818	5.620	ng/ul#	95
82) Pyrene	20.092	202	172247	5.582	ng/ul#	97
85) Benzo(a)anthracene	22.007	228	91995	2.843	ng/ul#	58
86) Bis(2-ethylhexyl)phtha...	21.837	149	118382	8.106	ng/ul#	70
87) Chrysene	22.078	228	150673m	5.009	ng/ul	
90) Benzo(b)fluoranthene	24.463	252	178826m	5.121	ng/ul	
91) Benzo(k)fluoranthene	24.528	252	68708m	1.925	ng/ul	
93) Benzo(a)pyrene	25.445	252	107743	3.307	ng/ul#	44
94) Indeno(1,2,3-cd)pyrene	29.804	276	111071m	2.698	ng/ul	
96) Benzo(g,h,i)perylene	31.120	276	99498m	3.053	ng/ul	

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

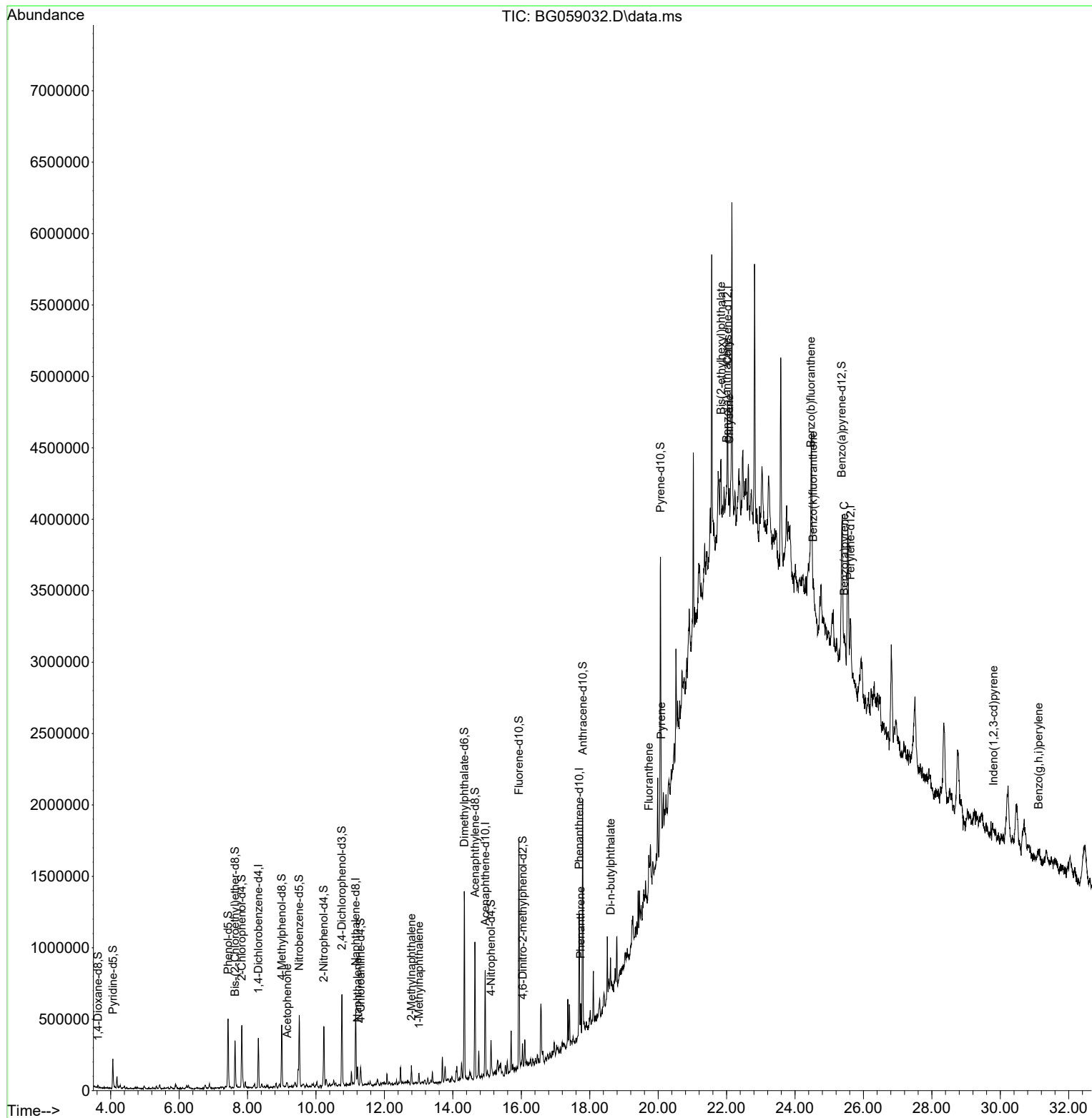
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059032.D
 Acq On : 13 Sep 2023 6:19
 Operator : MA/JU
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 ALS Vial : 23 Sample Multiplier: 1

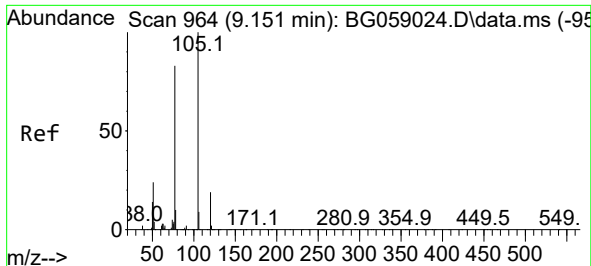
Instrument :
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Quant Time: Sep 13 07:02:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
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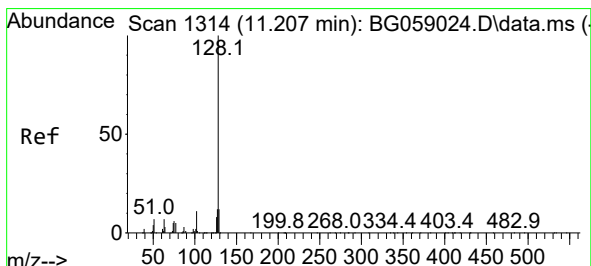
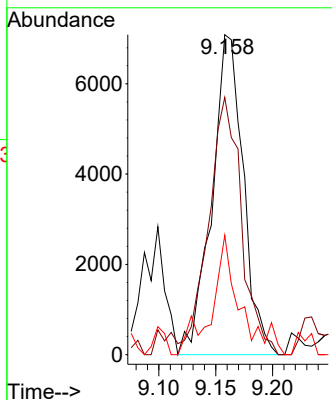
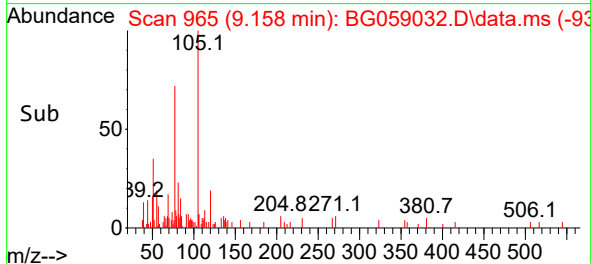
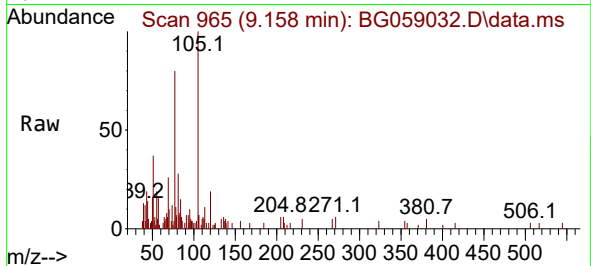
#16
Acetophenone
Concen: 1.205 ng/ul
RT: 9.158 min Scan# 915
Delta R.T. 0.006 min
Lab File: BG059032.D
Acq: 13 Sep 2023 6:19

Instrument :
BNA_G
ClientSampleId :
EZYD2

Tgt Ion:105 Resp: 13580
Ion Ratio Lower Upper
105 100
77 80.4 67.3 100.9
51 37.3 19.3 28.9

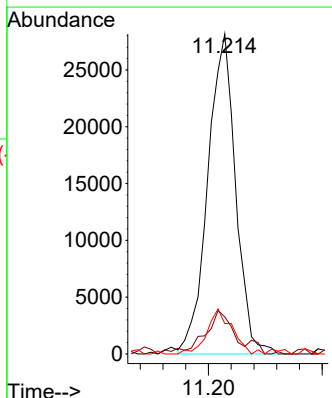
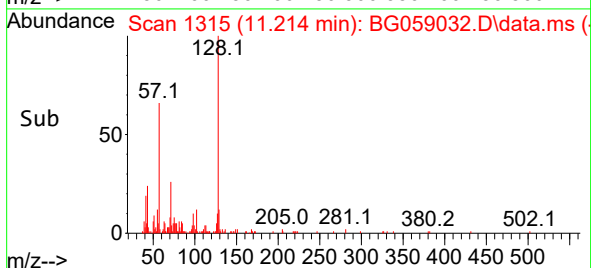
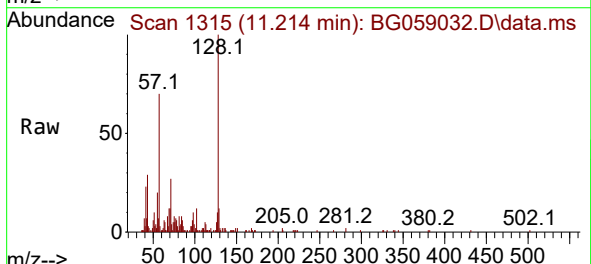
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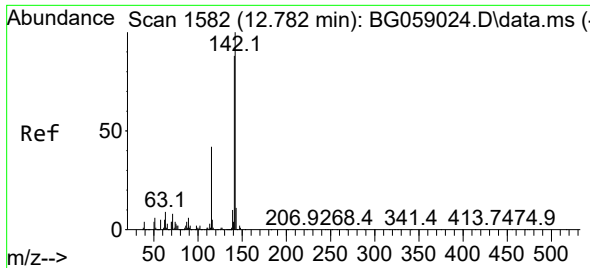
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#30
Naphthalene
Concen: 2.211 ng/ul
RT: 11.214 min Scan# 1315
Delta R.T. 0.006 min
Lab File: BG059032.D
Acq: 13 Sep 2023 6:19

Tgt Ion:128 Resp: 47934
Ion Ratio Lower Upper
128 100
129 11.6 8.2 12.2
127 9.5 10.9 16.3





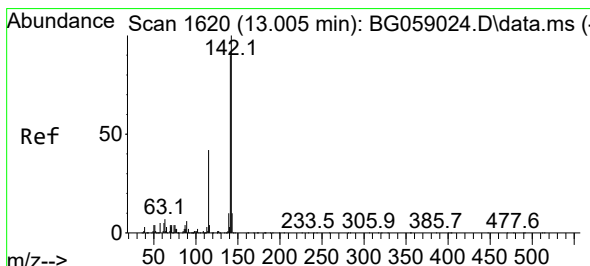
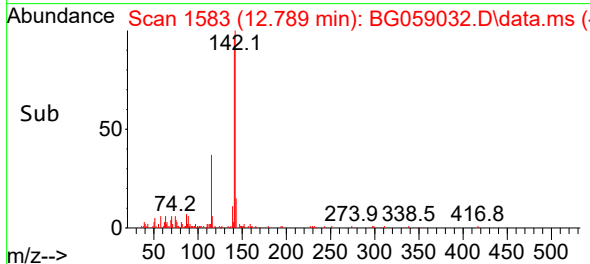
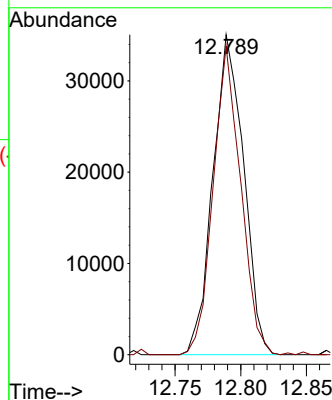
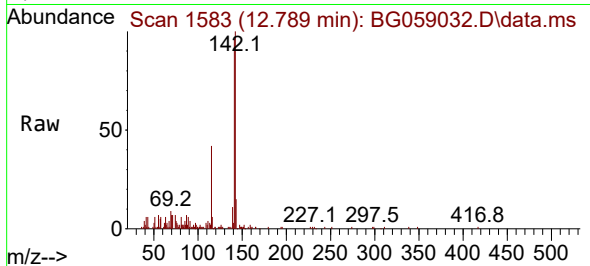
#36
2-Methylnaphthalene
Concen: 3.522 ng/ul
RT: 12.789 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BG059032.D
Acq: 13 Sep 2023 6:19

Instrument :
BNA_G
ClientSampleId :
EZYD2

Tgt Ion:142 Resp: 56970
Ion Ratio Lower Upper
142 100
141 96.4 65.7 98.5

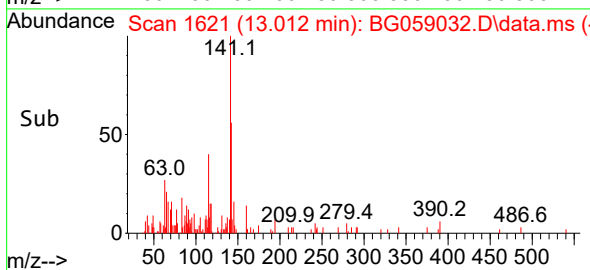
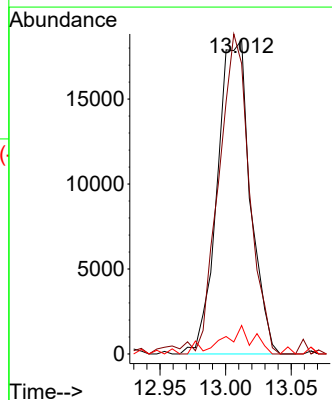
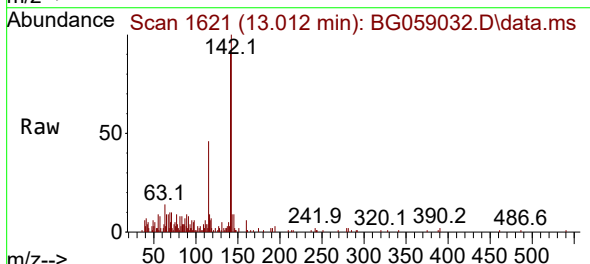
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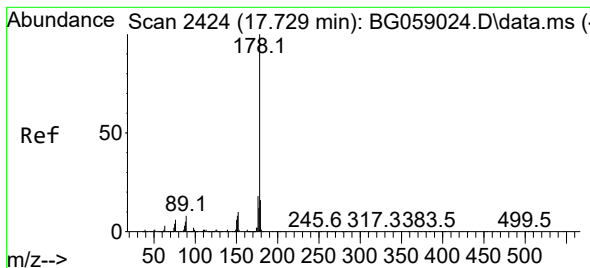
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#37
1-Methylnaphthalene
Concen: 2.018 ng/ul
RT: 13.012 min Scan# 1621
Delta R.T. 0.006 min
Lab File: BG059032.D
Acq: 13 Sep 2023 6:19

Tgt Ion:142 Resp: 32203
Ion Ratio Lower Upper
142 100
141 92.4 73.1 109.7
116 9.1 3.4 5.0#





#72

Phenanthrene

Concen: 5.059 ng/ul

RT: 17.736 min Scan# 2424

Delta R.T. 0.006 min

Lab File: BG059032.D

Acq: 13 Sep 2023 6:19

Instrument :

BNA_G

ClientSampleId :

EZYD2

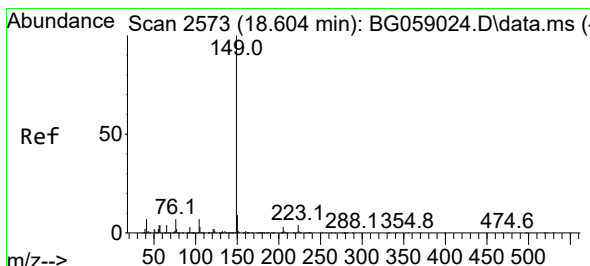
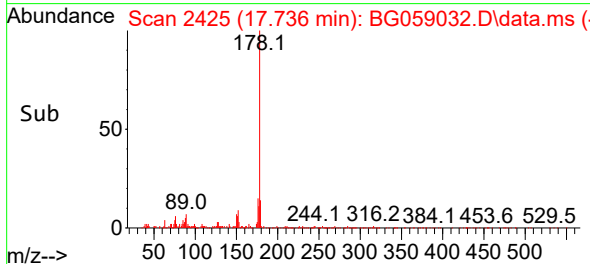
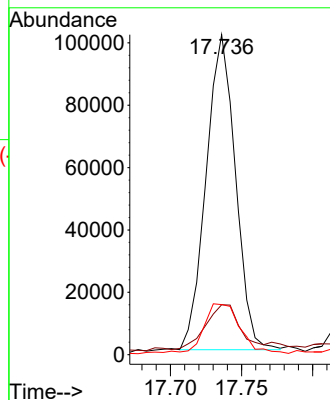
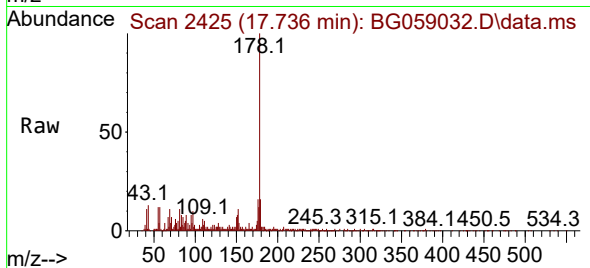
Tgt Ion:	178	Resp:	14530
Ion Ratio	Lower	Upper	
178	100		
179	15.6	11.8	17.8
176	15.6	15.1	22.7

Manual Integrations

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#78

Di-n-butylphthalate

Concen: 2.723 ng/ul

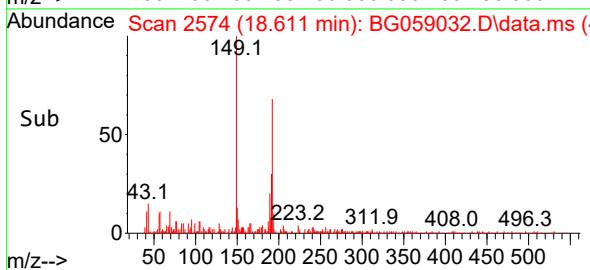
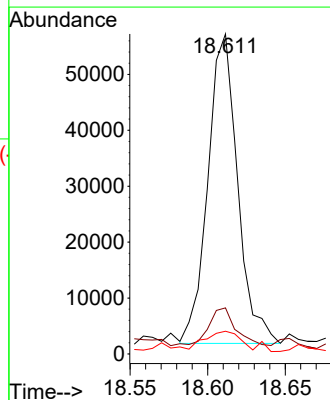
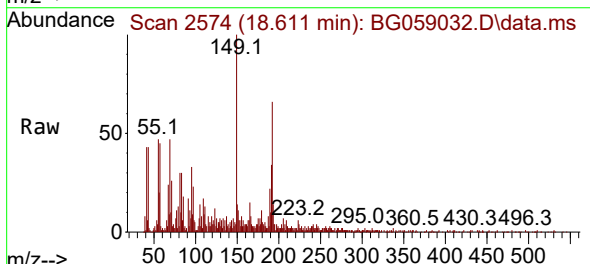
RT: 18.611 min Scan# 2574

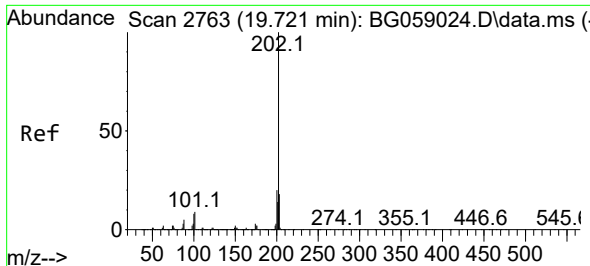
Delta R.T. 0.006 min

Lab File: BG059032.D

Acq: 13 Sep 2023 6:19

Tgt Ion:	149	Resp:	73796
Ion Ratio	Lower	Upper	
149	100		
150	14.4	7.7	11.5#
104	7.1	4.6	6.8#





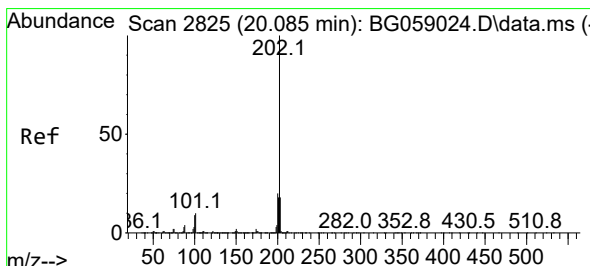
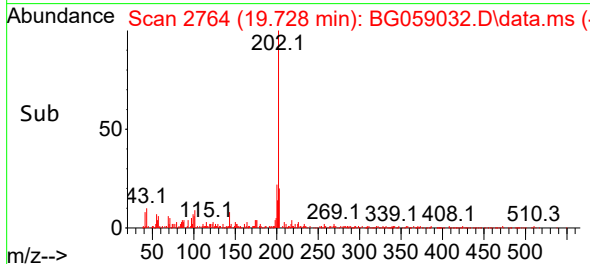
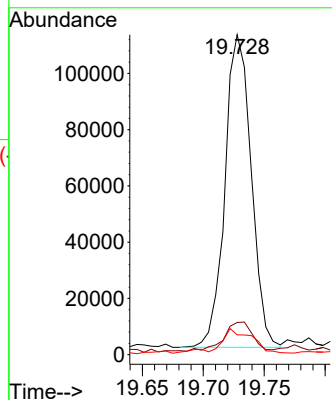
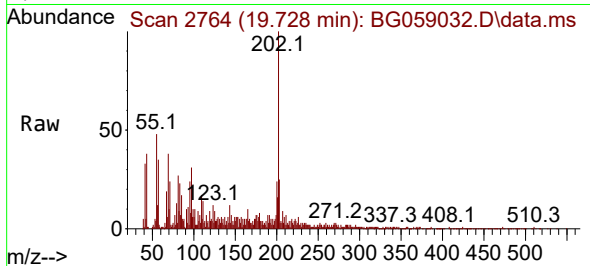
#80
Fluoranthene
Concen: 5.620 ng/u1
RT: 19.728 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG059032.D
Acq: 13 Sep 2023 6:19

Instrument :
BNA_G
ClientSampleId :
EZYD2

Tgt Ion:202 Resp: 166818
Ion Ratio Lower Upper
202 100
101 10.1 6.1 9.1
100 6.2 5.9 8.9

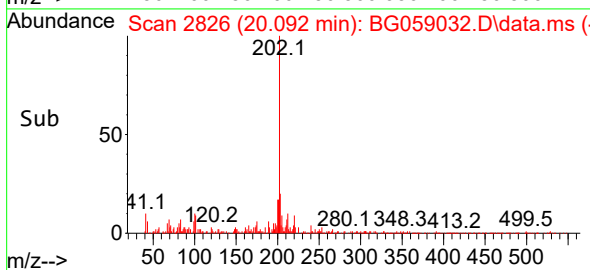
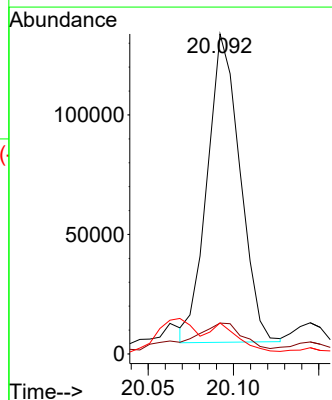
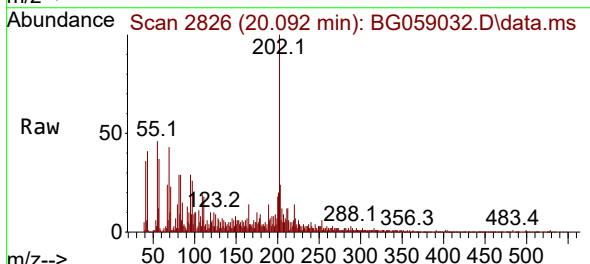
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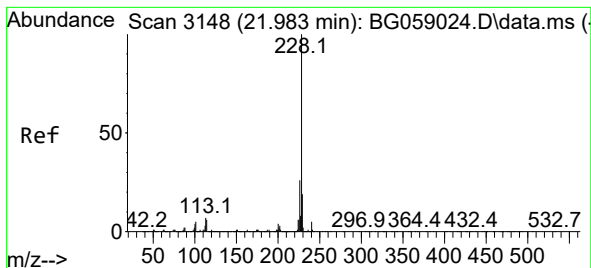
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#82
Pyrene
Concen: 5.582 ng/u1
RT: 20.092 min Scan# 2826
Delta R.T. 0.000 min
Lab File: BG059032.D
Acq: 13 Sep 2023 6:19

Tgt Ion:202 Resp: 172247
Ion Ratio Lower Upper
202 100
101 9.6 7.5 11.3
100 9.7 6.3 9.5#





#85

Benzo(a)anthracene

Concen: 2.843 ng/ul

RT: 22.007 min Scan# 3152

Delta R.T. 0.018 min

Lab File: BG059032.D

Acq: 13 Sep 2023 6:19

Instrument :

BNA_G

ClientSampleId :

EZYD2

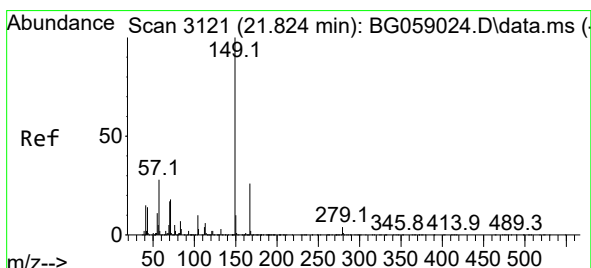
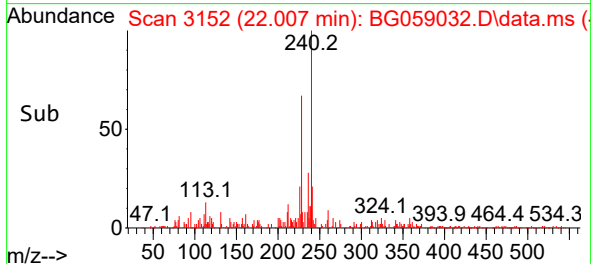
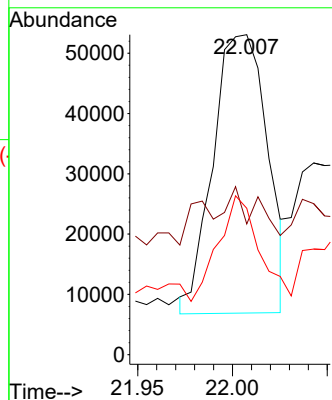
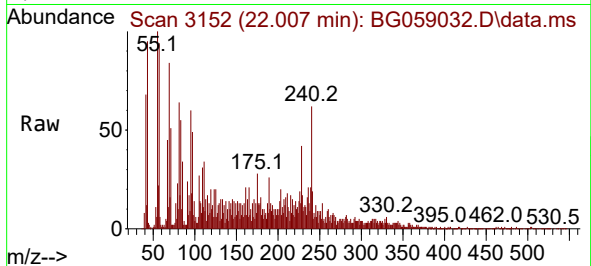
Tgt Ion:	228	Resp:	9199
Ion Ratio	Lower	Upper	
228	100		
229	40.9	16.0	24.0
226	45.7	20.8	31.2

Manual Integrations

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Supervised By :mohammad ahmed 09/14/2023



#86

Bis(2-ethylhexyl)phthalate

Concen: 8.106 ng/ul

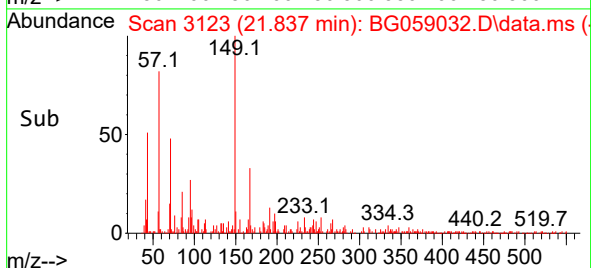
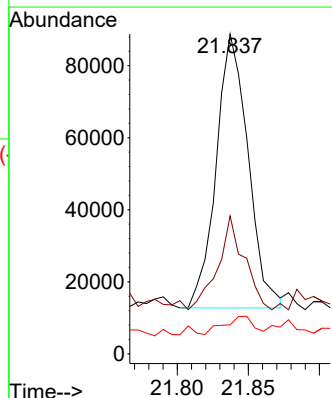
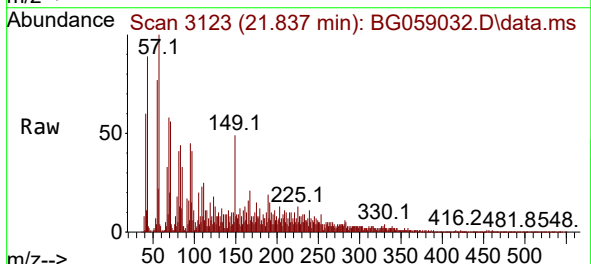
RT: 21.837 min Scan# 3123

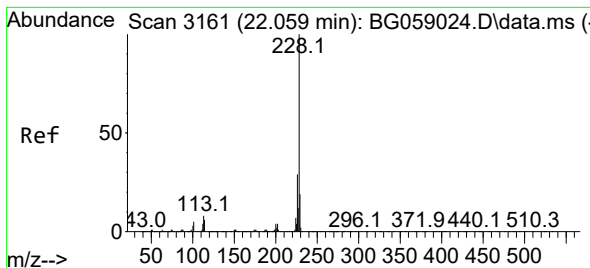
Delta R.T. 0.006 min

Lab File: BG059032.D

Acq: 13 Sep 2023 6:19

Tgt Ion:	149	Resp:	118382
Ion Ratio	Lower	Upper	
149	100		
167	43.1	21.0	31.6
279	9.1	3.8	5.8





#87

Chrysene

Concen: 5.009 ng/ul m

RT: 22.078 min Scan# 3164

Delta R.T. 0.018 min

Lab File: BG059032.D

Acq: 13 Sep 2023 6:19

Instrument :

BNA_G

ClientSampleId :

EZYD2

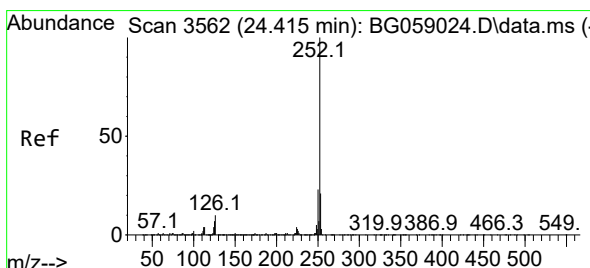
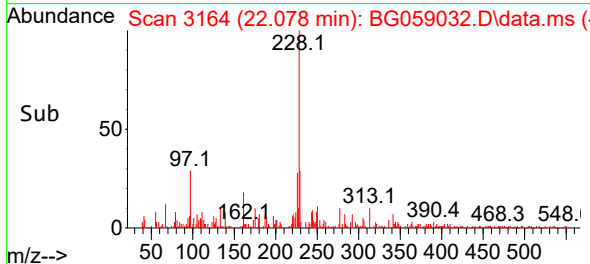
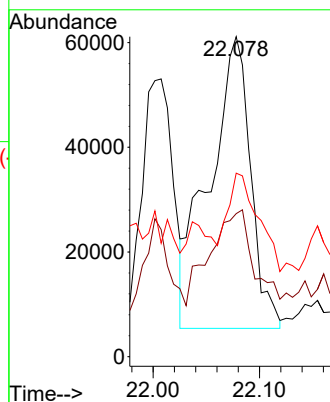
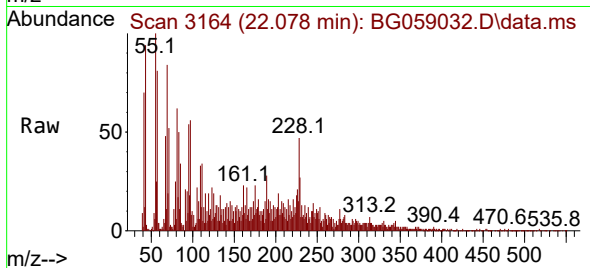
Tgt Ion:	228	Resp:	15067
Ion Ratio	Lower	Upper	
228	100		
226	44.7	23.2	34.8
229	57.4	15.3	22.9

Manual Integrations

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#90

Benzo(b)fluoranthene

Concen: 5.121 ng/ul m

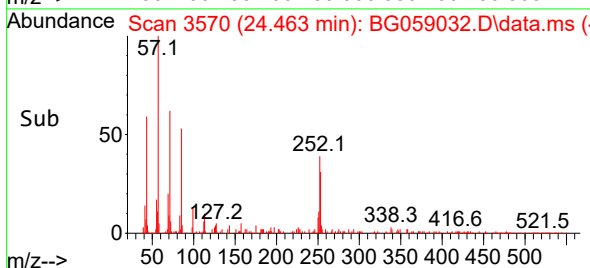
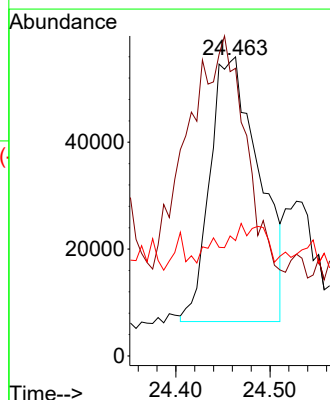
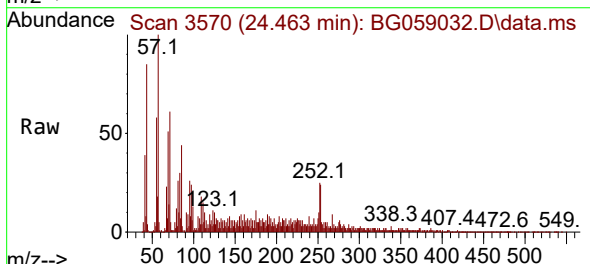
RT: 24.463 min Scan# 3570

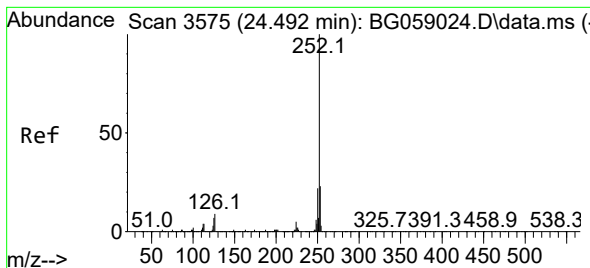
Delta R.T. 0.047 min

Lab File: BG059032.D

Acq: 13 Sep 2023 6:19

Tgt Ion:	252	Resp:	178826
Ion Ratio	Lower	Upper	
252	100		
253	96.2	17.8	26.8
125	38.6	6.2	9.2





#91

Benzo(k)fluoranthene

Concen: 1.925 ng/ul m

RT: 24.528 min Scan# 3

Delta R.T. 0.030 min

Lab File: BG059032.D

Acq: 13 Sep 2023 6:19

Instrument :

BNA_G

ClientSampleId :

EZYD2

Tgt Ion:252 Resp: 68708

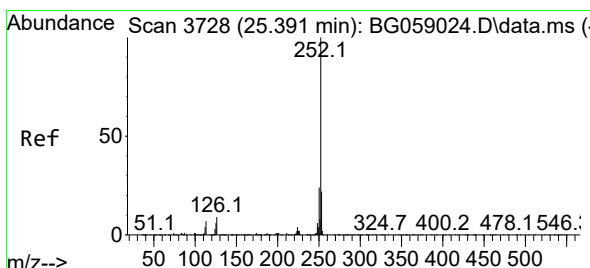
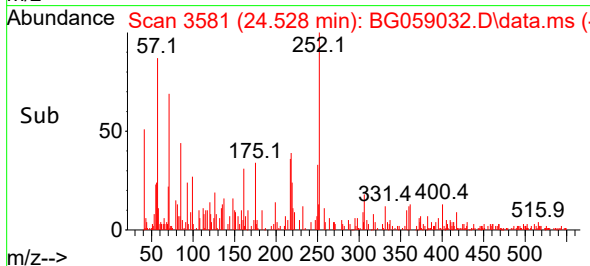
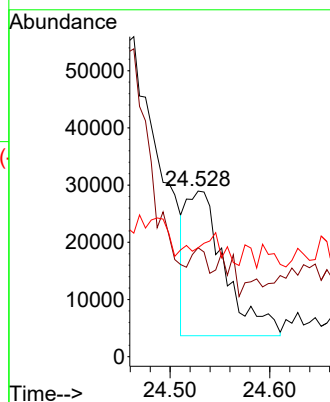
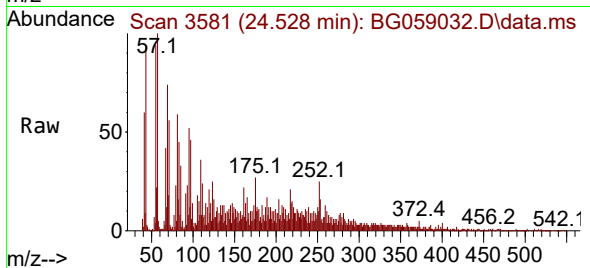
Ion	Ratio	Lower	Upper
252	100		
253	65.8	19.1	28.7
125	65.8	5.0	7.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/13/2023

Supervised By :mohammad ahmed 09/14/2023



#93

Benzo(a)pyrene

Concen: 3.307 ng/ul

RT: 25.445 min Scan# 3737

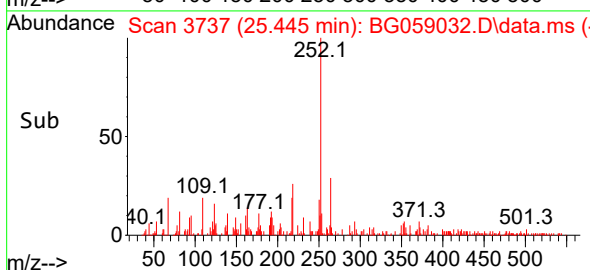
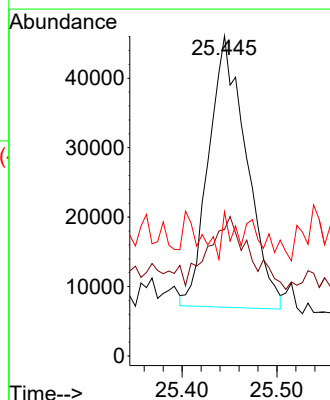
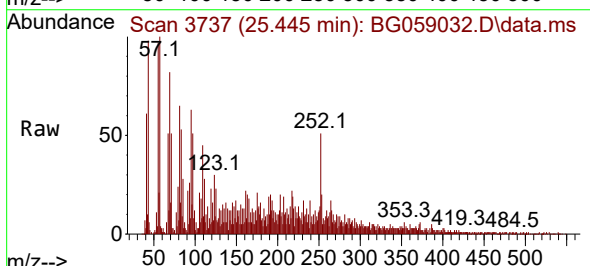
Delta R.T. 0.042 min

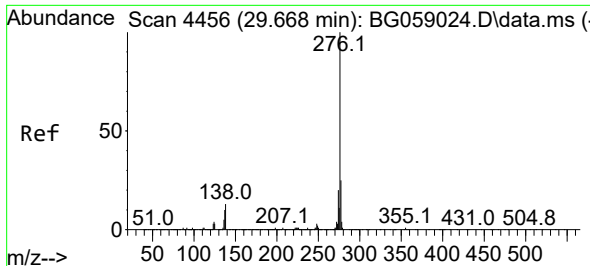
Lab File: BG059032.D

Acq: 13 Sep 2023 6:19

Tgt Ion:252 Resp: 107743

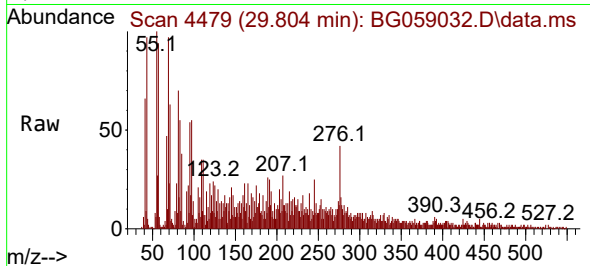
Ion	Ratio	Lower	Upper
252	100		
253	39.5	17.1	25.7
125	45.0	5.3	7.9





#94
Indeno(1,2,3-cd)pyrene
Concen: 2.698 ng/ul m
RT: 29.804 min Scan# 4456
Delta R.T. 0.124 min
Lab File: BG059032.D
Acq: 13 Sep 2023 6:19

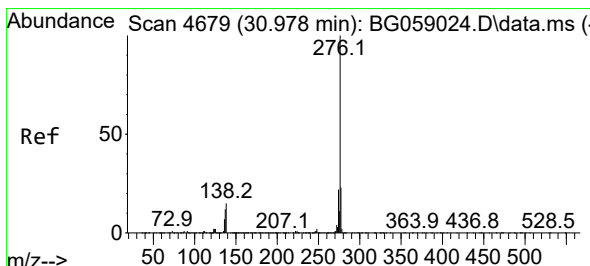
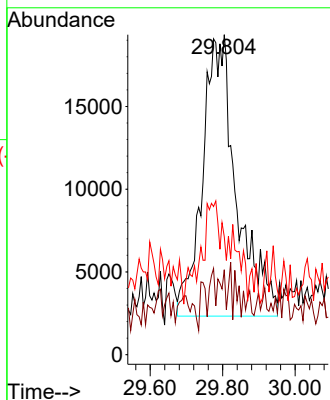
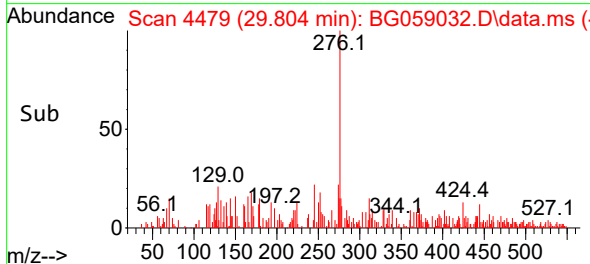
Instrument :
BNA_G
ClientSampleId :
EZYD2



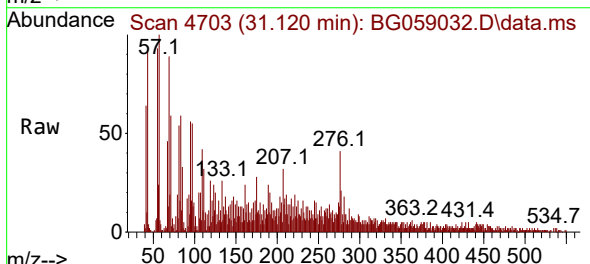
Tgt Ion:276 Resp: 11107
Ion Ratio Lower Upper
276 100
138 26.5 11.8 17.8
277 36.8 20.7 31.1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#96
Benzo(g,h,i)perylene
Concen: 3.053 ng/ul m
RT: 31.120 min Scan# 4703
Delta R.T. 0.130 min
Lab File: BG059032.D
Acq: 13 Sep 2023 6:19



Tgt Ion:276 Resp: 99498
Ion Ratio Lower Upper
276 100
138 27.5 11.4 17.2#
277 50.4 17.4 26.2#

