

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061557.D
 Acq On : 8 Jun 2024 8:00
 Operator : MA/JU
 Sample : P2640-20
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4C24

Manual Integrations
 APPROVED

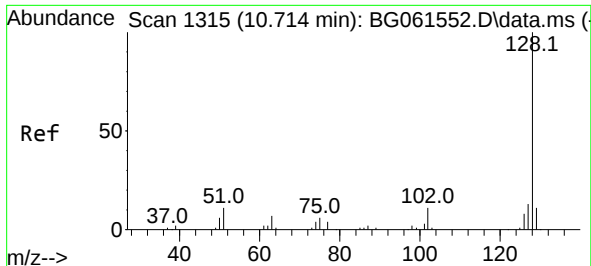
Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024

Quant Time: Jun 09 23:16:58 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 06 12:15:45 2024
 Response via : Initial Calibration

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

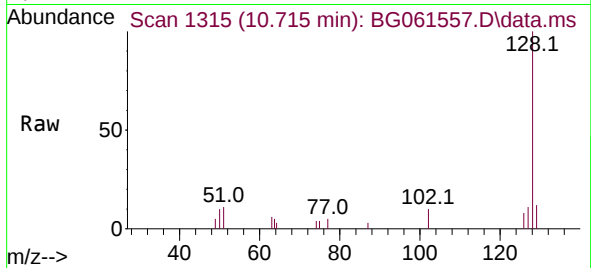
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	27715	20.000	ng/u1	0.00
20) Naphthalene-d8	10.668	136	109065	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.510	164	83834	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.266	188	192902	20.000	ng/u1	0.00
79) Chrysene-d12	21.526	240	207235	20.000	ng/u1	0.00
88) Perylene-d12	24.628	264	242810	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	1957	3.952	ng/uL	-0.03
4) Pyridine-d5	3.741	84	15174	8.612	ng/u1	-0.03
7) Phenol-d5	7.060	99	47236	20.754	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.201	67	27563	19.267	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.413	132	40058	23.782	ng/u1	0.00
15) 4-Methylphenol-d8	8.594	113	40248	20.739	ng/u1	0.00
21) Nitrobenzene-d5	9.034	128	19622	23.367	ng/u1	0.00
24) 2-Nitrophenol-d4	9.751	143	24537	24.967	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.304	165	49658	25.919	ng/u1	0.00
31) 4-Chloroaniline-d4	10.809	131	30279	12.080	ng/u1	0.00
46) Dimethylphthalate-d6	13.917	166	156068	24.003	ng/u1	0.00
49) Acenaphthylene-d8	14.205	160	167951	24.846	ng/u1	0.00
54) 4-Nitrophenol-d4	14.763	143	15857	19.726	ng/u1	0.00
60) Fluorene-d10	15.503	176	136387	24.296	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.656	200	20922	17.932	ng/u1	0.00
73) Anthracene-d10	17.360	188	228136	26.825	ng/u1	0.00
81) Pyrene-d10	19.657	212	258261	24.271	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.411	264	234790	20.113	ng/u1	0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.715	128	7997	1.389	ng/u1	94
36) 2-Methylnaphthalene	12.325	142	8209	1.966	ng/u1	89
37) 1-Methylnaphthalene	12.548	142	7517	1.755	ng/u1#	98
52) Acenaphthene	14.575	153	45637	9.281	ng/u1	96
56) Dibenzofuran	14.910	168	37476	5.330	ng/u1	98
61) Fluorene	15.562	166	46201	7.595	ng/u1	97
72) Phenanthrene	17.307	178	576873	61.614	ng/u1	100
74) Anthracene	17.395	178	158112	16.333	ng/u1	98
77) Carbazole	17.671	167	69251	8.795	ng/u1	99
80) Fluoranthene	19.328	202	639573	50.105	ng/u1	98
82) Pyrene	19.693	202	497643	37.558	ng/u1	97
85) Benzo(a)anthracene	21.508	228	343801	24.043	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.408	149	7289	1.082	ng/u1	94
87) Chrysene	21.573	228	315101m	23.932	ng/u1	
90) Benzo(b)fluoranthene	23.647	252	312374	21.607	ng/u1	99
91) Benzo(k)fluoranthene	23.705	252	121396m	8.272	ng/u1	
93) Benzo(a)pyrene	24.481	252	159700	11.633	ng/u1	94
94) Indeno(1,2,3-cd)pyrene	28.147	276	93812m	5.651	ng/u1	
95) Dibenzo(a,h)anthracene	28.188	278	34540m	2.523	ng/u1	
96) Benzo(g,h,i)perylene	29.234	276	14152m	1.072	ng/u1	

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



#30
Naphthalene
Concen: 1.389 ng/ul
RT: 10.715 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG061557.D
Acq: 8 Jun 2024 8:00

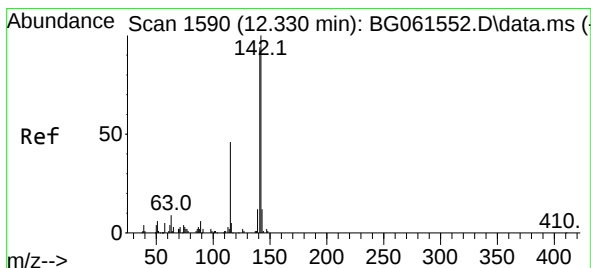
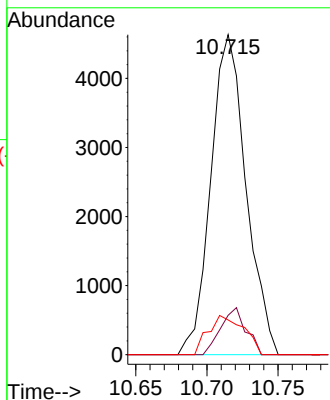
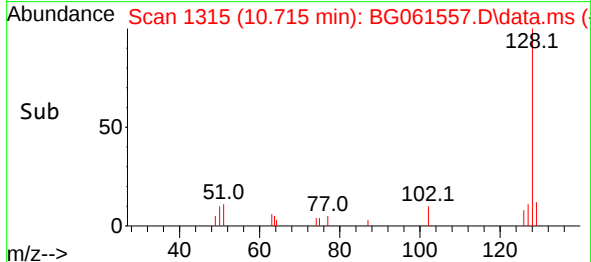
Instrument :
BNA_G
ClientSampleId :
A4C24



Tgt Ion:128 Resp: 799
Ion Ratio Lower Upper
128 100
129 12.3 8.6 12.8
127 10.8 10.8 16.2

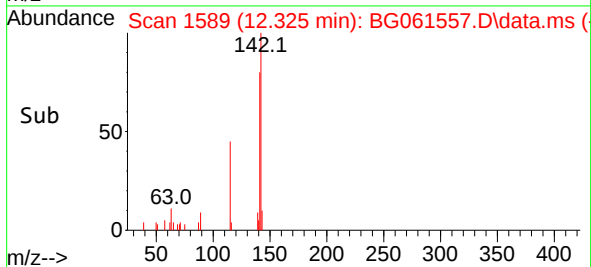
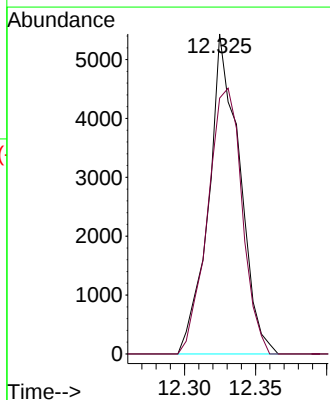
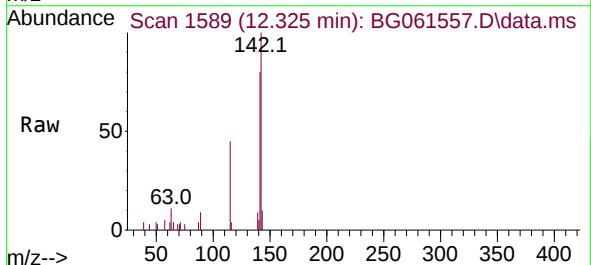
Manual Integrations
APPROVED

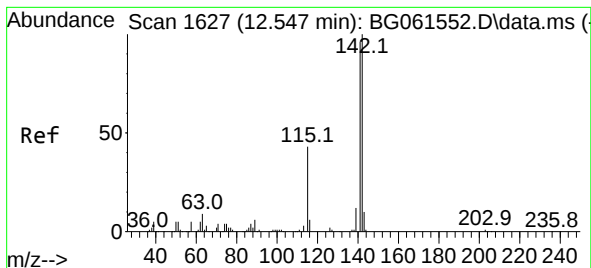
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#36
2-Methylnaphthalene
Concen: 1.966 ng/ul
RT: 12.325 min Scan# 1589
Delta R.T. -0.005 min
Lab File: BG061557.D
Acq: 8 Jun 2024 8:00

Tgt Ion:142 Resp: 8209
Ion Ratio Lower Upper
142 100
141 80.0 72.2 108.2





#37

1-Methylnaphthalene

Concen: 1.755 ng/ul

RT: 12.548 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG061557.D

Acq: 8 Jun 2024 8:00

Instrument :

BNA_G

ClientSampleId :

A4C24

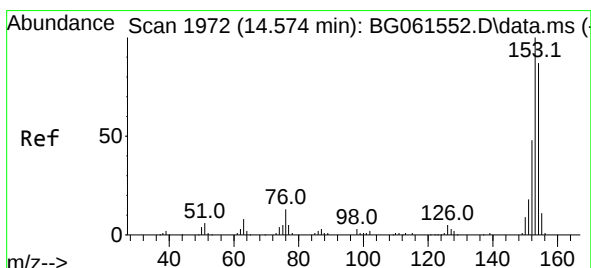
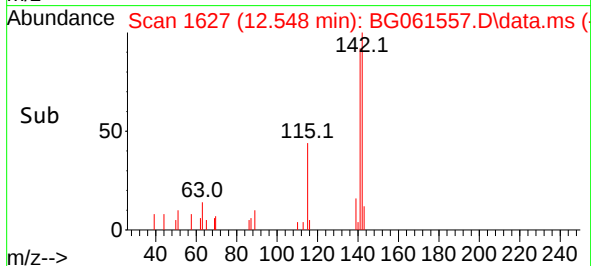
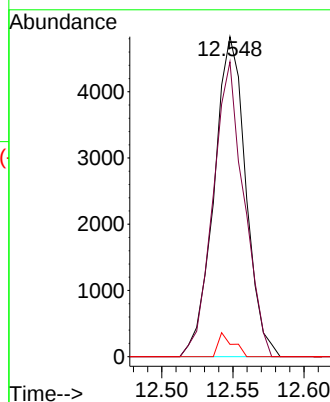
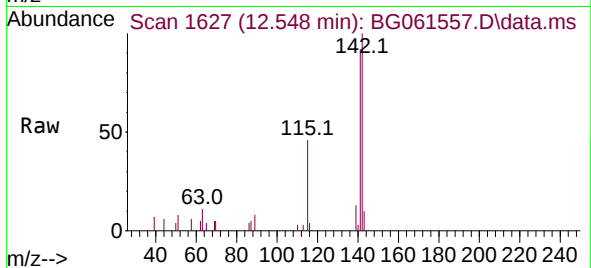
Tgt Ion:	142	Resp:	751
Ion Ratio	Lower	Upper	
142	100		
141	92.2	75.5	113.3
116	3.9	4.0	6.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#52

Acenaphthene

Concen: 9.281 ng/ul

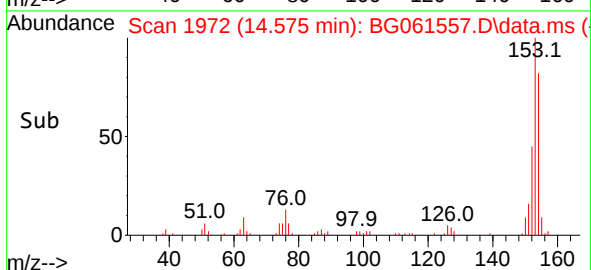
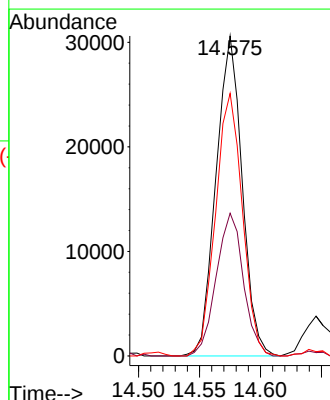
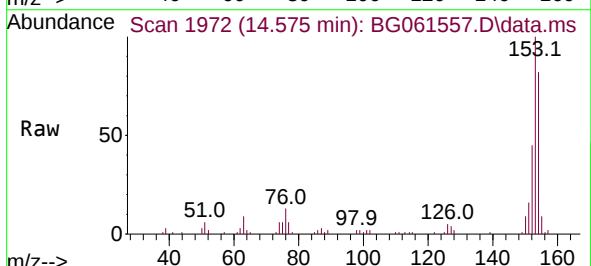
RT: 14.575 min Scan# 1972

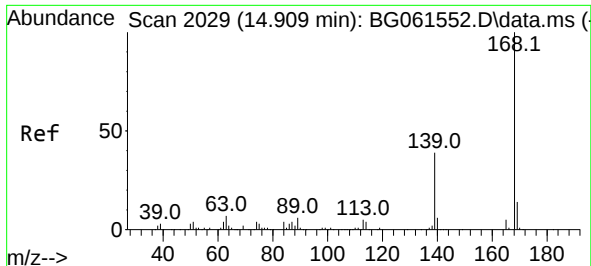
Delta R.T. 0.001 min

Lab File: BG061557.D

Acq: 8 Jun 2024 8:00

Tgt Ion:	153	Resp:	45637
Ion Ratio	Lower	Upper	
153	100		
152	44.6	37.8	56.8
154	82.1	69.0	103.6





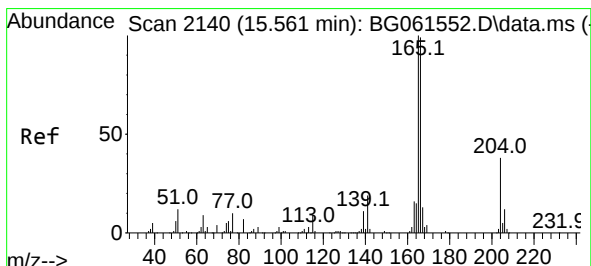
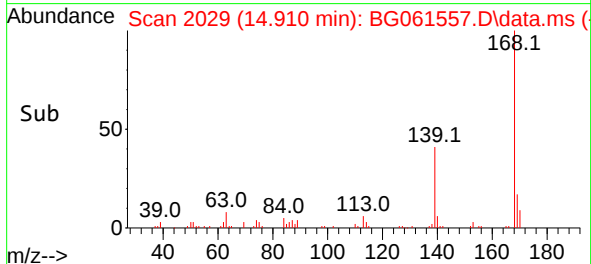
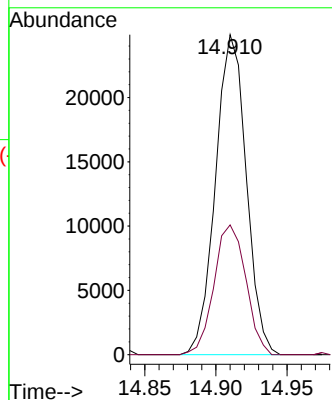
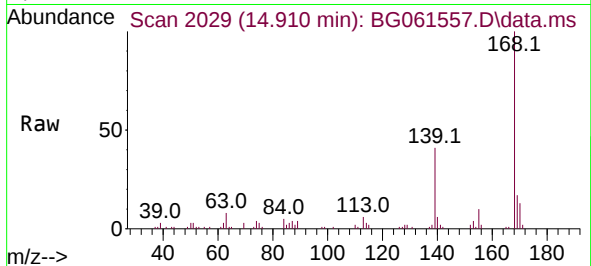
#56
Dibenzenofuran
Concen: 5.330 ng/ul
RT: 14.910 min Scan# 2029
Delta R.T. 0.001 min
Lab File: BG061557.D
Acq: 8 Jun 2024 8:00

Instrument :
BNA_G
ClientSampleId :
A4C24

Tgt Ion:168 Resp: 37470
Ion Ratio Lower Upper
168 100
139 40.6 33.4 50.2

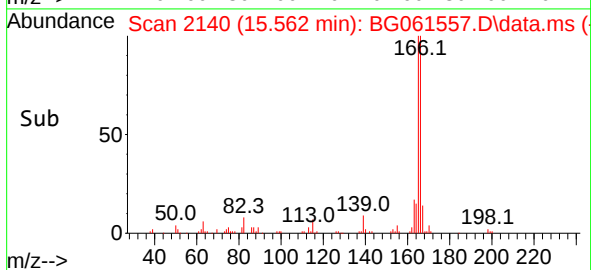
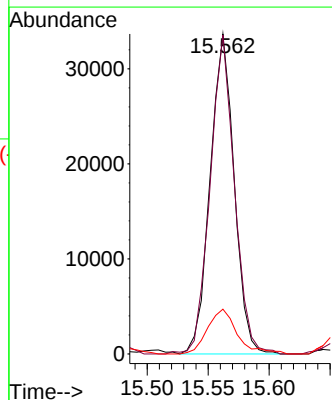
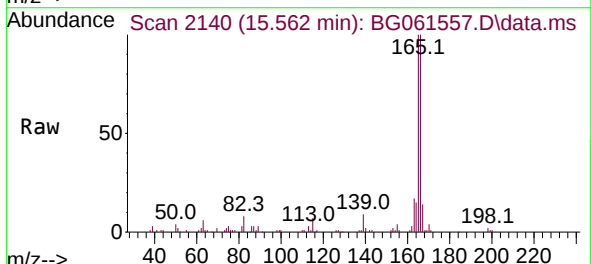
Manual Integrations
APPROVED

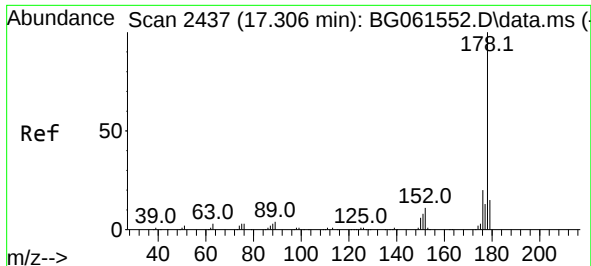
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#61
Fluorene
Concen: 7.595 ng/ul
RT: 15.562 min Scan# 2140
Delta R.T. 0.001 min
Lab File: BG061557.D
Acq: 8 Jun 2024 8:00

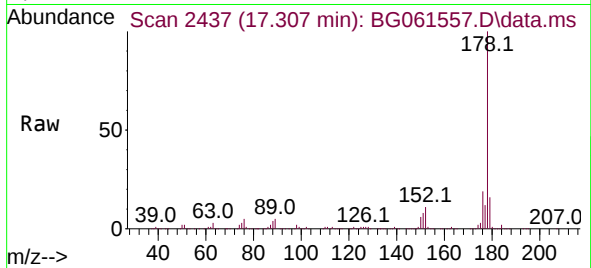
Tgt Ion:166 Resp: 46201
Ion Ratio Lower Upper
166 100
165 99.7 81.8 122.8
167 14.0 10.6 16.0





#72
Phenanthrene
Concen: 61.614 ng/uI
RT: 17.307 min Scan# 2437
Delta R.T. 0.001 min
Lab File: BG061557.D
Acq: 8 Jun 2024 8:00

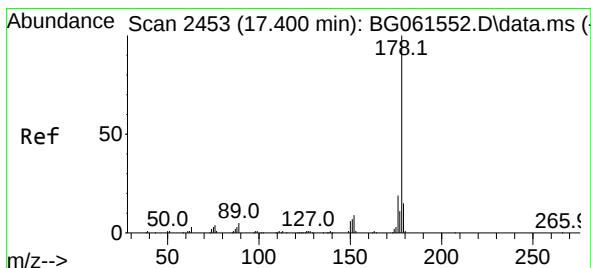
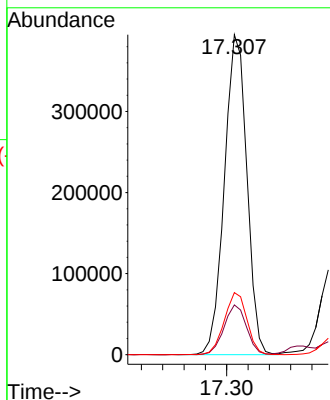
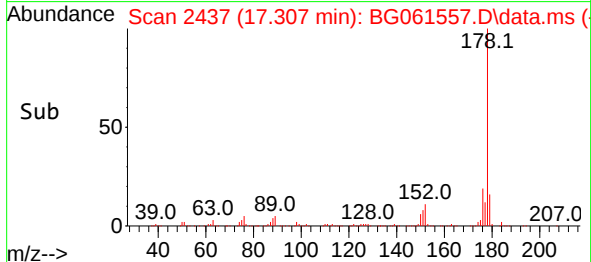
Instrument :
BNA_G
ClientSampleId :
A4C24



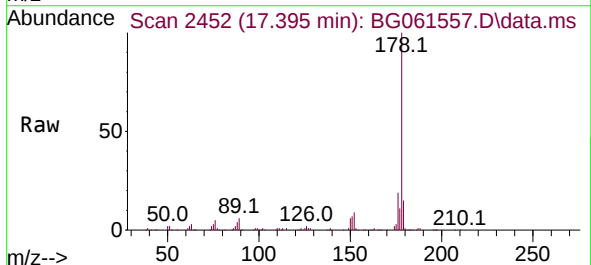
Tgt Ion:178 Resp: 57687
Ion Ratio Lower Upper
178 100
179 15.6 12.7 19.1
176 19.4 15.5 23.3

Manual Integrations
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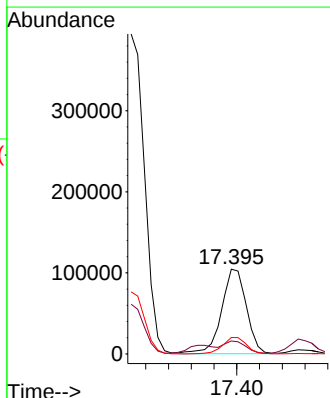
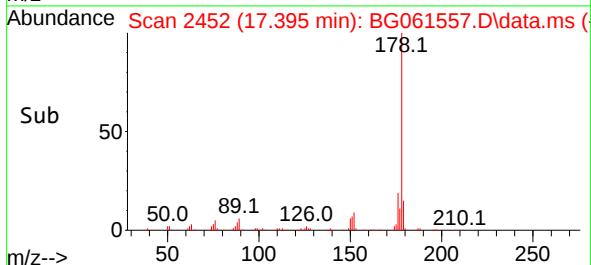
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

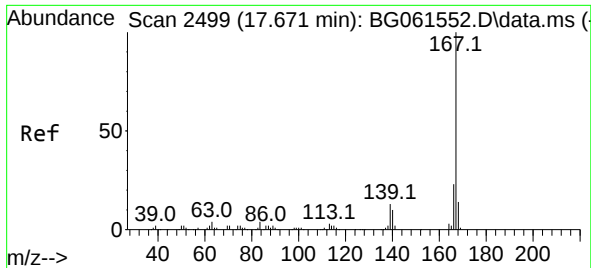


#74
Anthracene
Concen: 16.333 ng/uI
RT: 17.395 min Scan# 2452
Delta R.T. 0.001 min
Lab File: BG061557.D
Acq: 8 Jun 2024 8:00



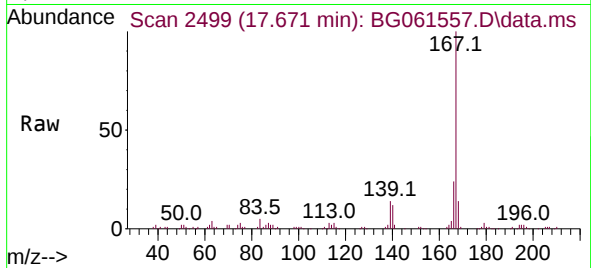
Tgt Ion:178 Resp: 158112
Ion Ratio Lower Upper
178 100
179 15.3 11.8 17.6
176 19.4 14.9 22.3





#77
 Carbazole
 Concen: 8.795 ng/ul
 RT: 17.671 min Scan# 2499
 Delta R.T. 0.001 min
 Lab File: BG061557.D
 Acq: 8 Jun 2024 8:00

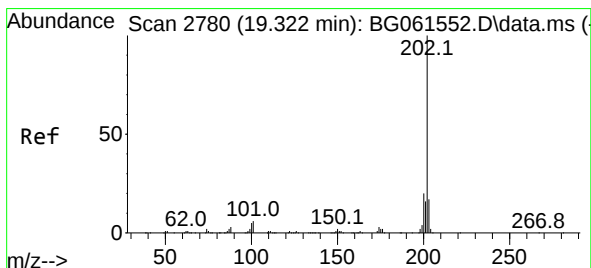
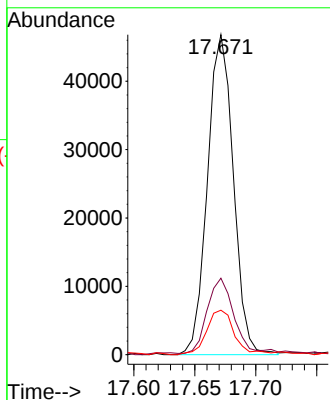
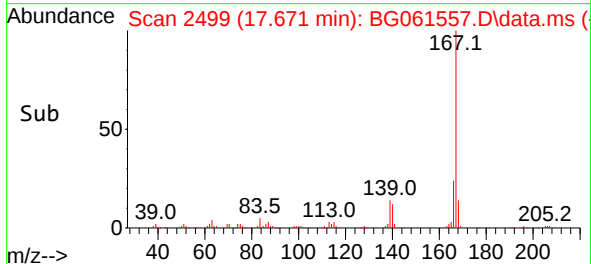
Instrument :
 BNA_G
 ClientSampleId :
 A4C24



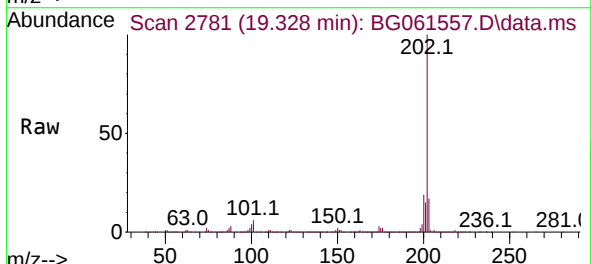
Tgt Ion:167 Resp: 6925
 Ion Ratio Lower Upper
 167 100
 166 23.9 18.6 28.0
 139 13.9 10.6 15.8

Manual Integrations
 APPROVED

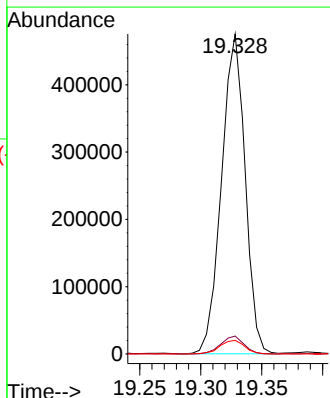
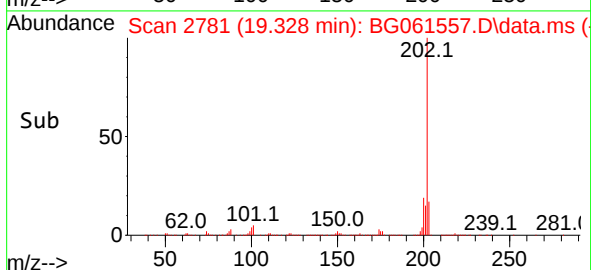
Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024

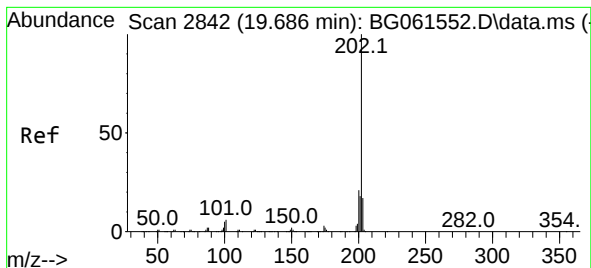


#80
 Fluoranthene
 Concen: 50.105 ng/ul
 RT: 19.328 min Scan# 2781
 Delta R.T. 0.007 min
 Lab File: BG061557.D
 Acq: 8 Jun 2024 8:00



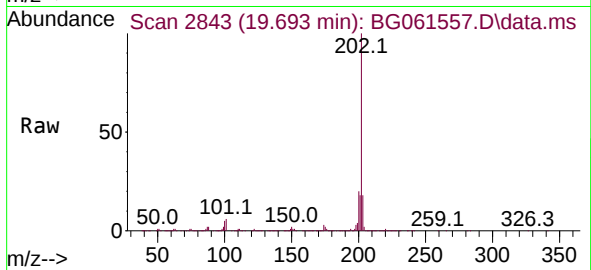
Tgt Ion:202 Resp: 639573
 Ion Ratio Lower Upper
 202 100
 101 5.6 4.8 7.2
 100 4.3 4.1 6.1





#82
 Pyrene
 Concen: 37.558 ng/ul
 RT: 19.693 min Scan# 21
 Delta R.T. 0.007 min
 Lab File: BG061557.D
 Acq: 8 Jun 2024 8:00

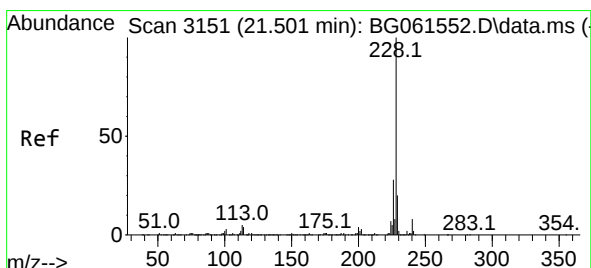
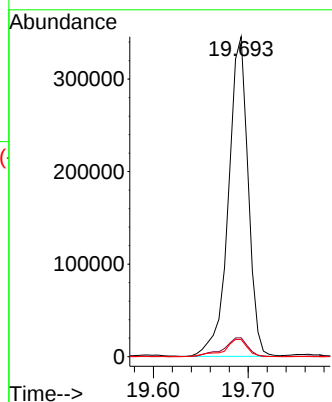
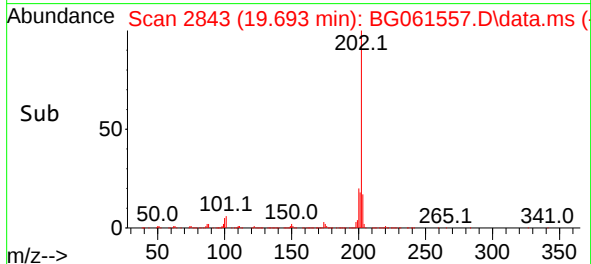
Instrument :
 BNA_G
 ClientSampleId :
 A4C24



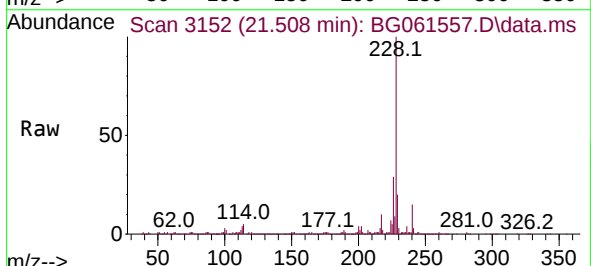
Tgt Ion:202 Resp: 49764
 Ion Ratio Lower Upper
 202 100
 101 5.9 5.7 8.5
 100 5.3 5.1 7.7

Manual Integrations
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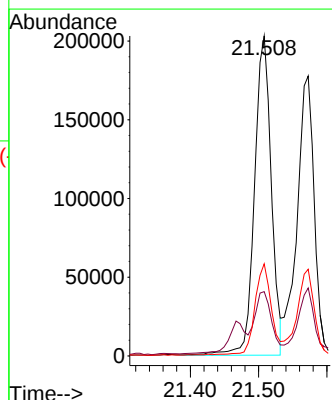
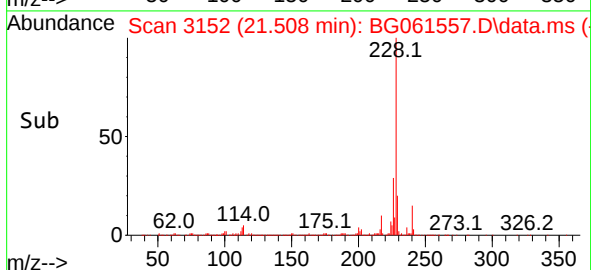
Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024

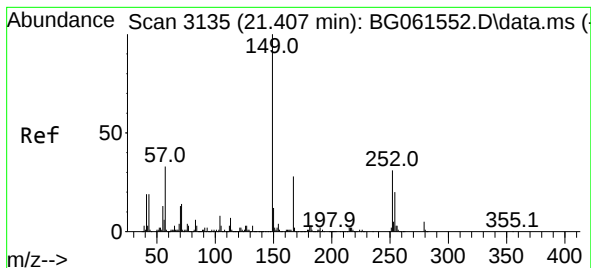


#85
 Benzo(a)anthracene
 Concen: 24.043 ng/ul
 RT: 21.508 min Scan# 3152
 Delta R.T. 0.007 min
 Lab File: BG061557.D
 Acq: 8 Jun 2024 8:00



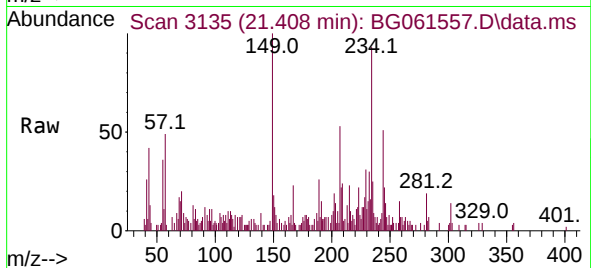
Tgt Ion:228 Resp: 343801
 Ion Ratio Lower Upper
 228 100
 229 20.1 15.2 22.8
 226 28.8 21.4 32.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 1.082 ng/ul
RT: 21.408 min Scan# 3135
Delta R.T. 0.001 min
Lab File: BG061557.D
Acq: 8 Jun 2024 8:00

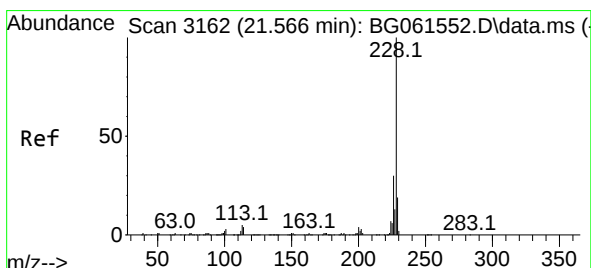
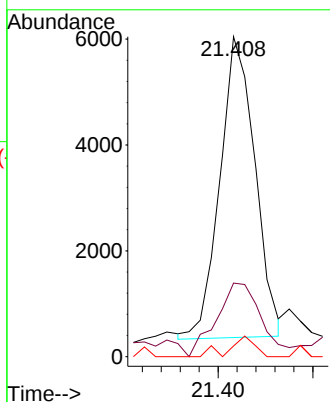
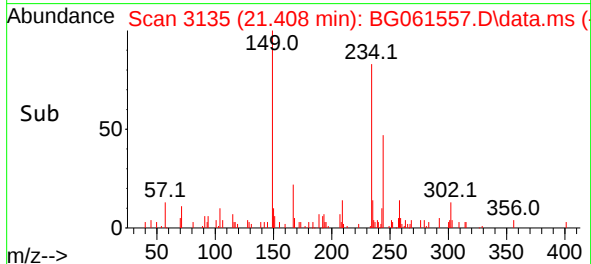
Instrument :
BNA_G
ClientSampleId :
A4C24



Tgt Ion:149 Resp: 7289
Ion Ratio Lower Upper
149 100
167 23.0 21.1 31.7
279 3.4 3.3 4.9

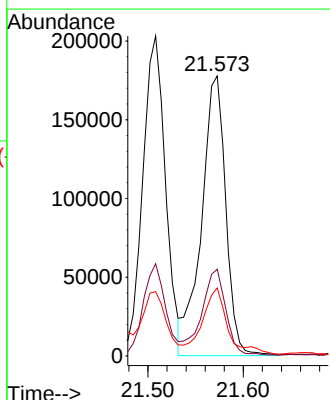
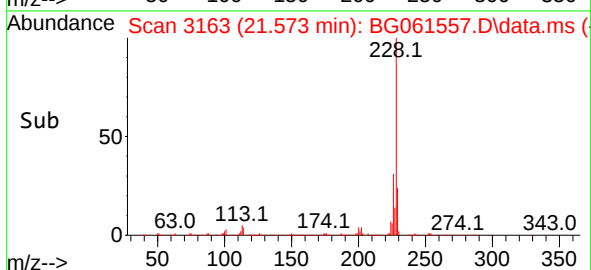
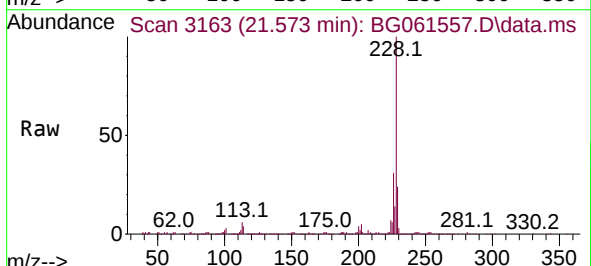
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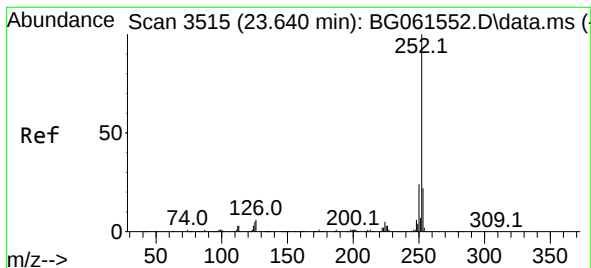
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#87
Chrysene
Concen: 23.932 ng/ul m
RT: 21.573 min Scan# 3163
Delta R.T. 0.007 min
Lab File: BG061557.D
Acq: 8 Jun 2024 8:00

Tgt Ion:228 Resp: 315101
Ion Ratio Lower Upper
228 100
226 31.0 23.4 35.0
229 24.3 15.4 23.2#





#90

Benzo(b)fluoranthene

Concen: 21.607 ng/ul

RT: 23.647 min Scan# 3515

Delta R.T. 0.012 min

Lab File: BG061557.D

Acq: 8 Jun 2024 8:00

Instrument :

BNA_G

ClientSampleId :

A4C24

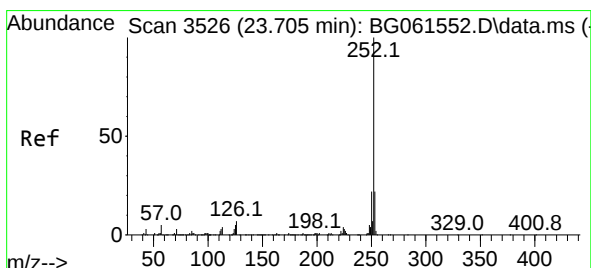
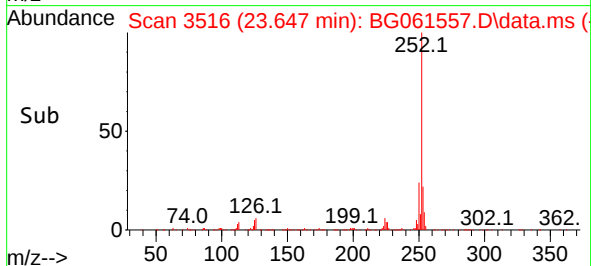
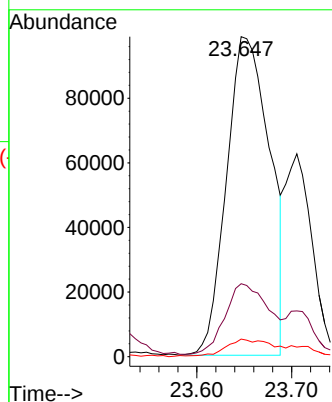
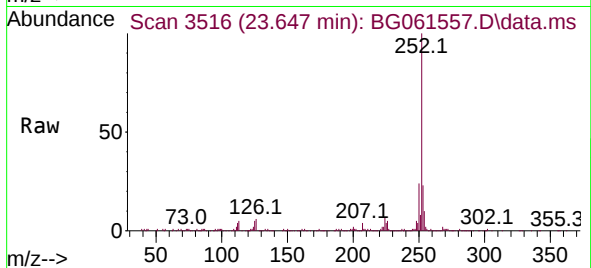
Tgt Ion:252 Resp: 312374
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.8 26.8
 125 5.5 4.6 6.8

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Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#91

Benzo(k)fluoranthene

Concen: 8.272 ng/ul m

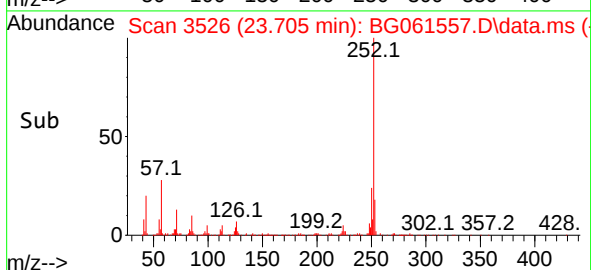
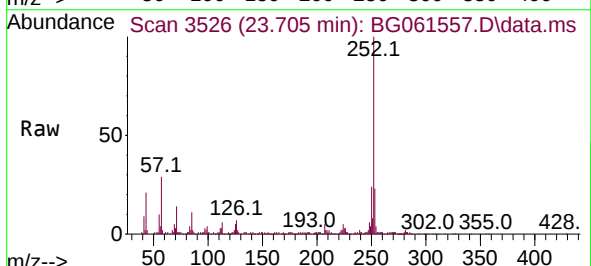
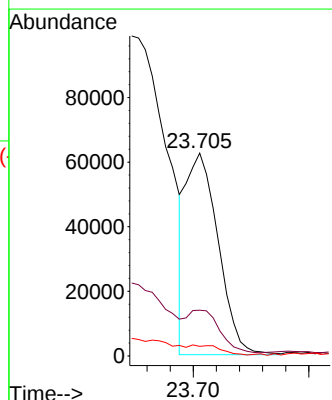
RT: 23.705 min Scan# 3526

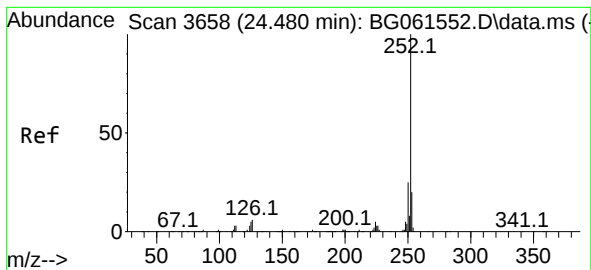
Delta R.T. 0.007 min

Lab File: BG061557.D

Acq: 8 Jun 2024 8:00

Tgt Ion:252 Resp: 121396
 Ion Ratio Lower Upper
 252 100
 253 22.5 16.0 24.0
 125 4.7 4.3 6.5





#93

Benzo(a)pyrene

Concen: 11.633 ng/ul

RT: 24.481 min Scan# 3658

Delta R.T. 0.012 min

Lab File: BG061557.D

Acq: 8 Jun 2024 8:00

Instrument :

BNA_G

ClientSampleId :

A4C24

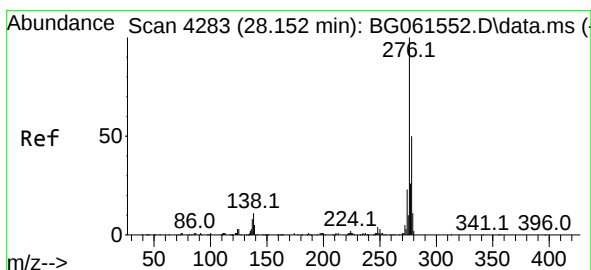
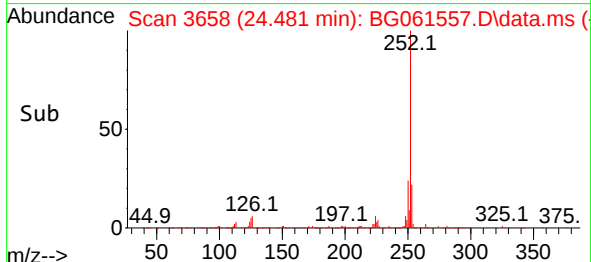
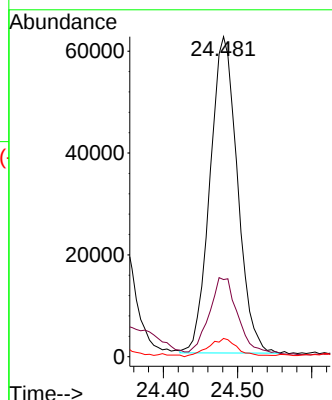
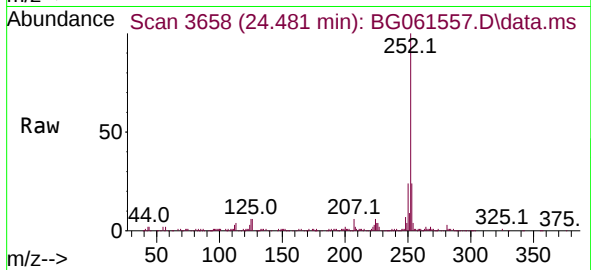
Tgt Ion:	252	Resp:	159700
Ion Ratio	Lower	Upper	
252	100		
253	24.1	16.4	24.6
125	5.7	4.3	6.5

Manual Integrations

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Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 5.651 ng/ul m

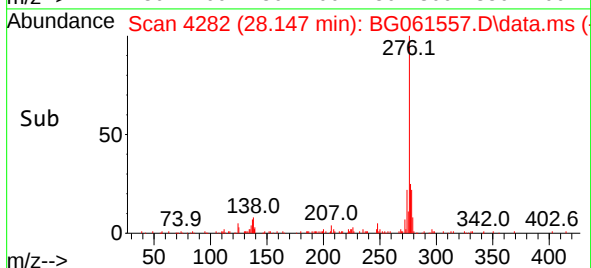
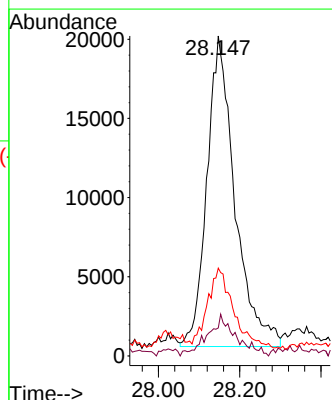
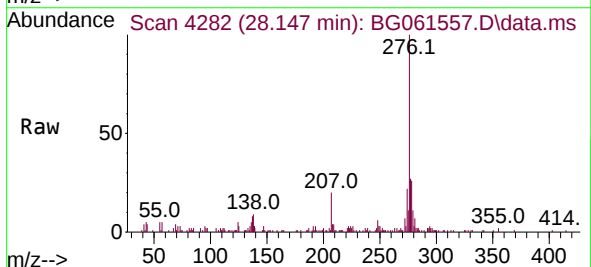
RT: 28.147 min Scan# 4282

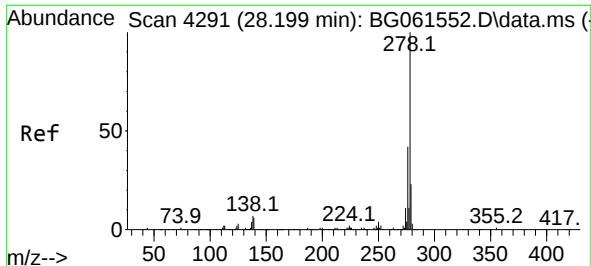
Delta R.T. 0.012 min

Lab File: BG061557.D

Acq: 8 Jun 2024 8:00

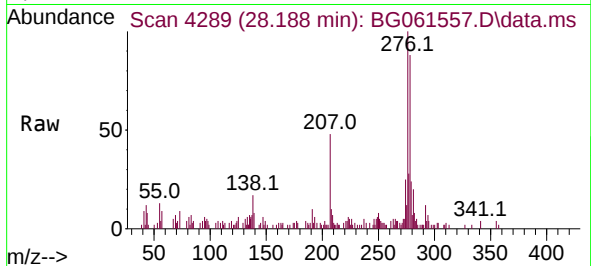
Tgt Ion:	276	Resp:	93812
Ion Ratio	Lower	Upper	
276	100		
138	8.8	8.6	13.0
277	27.4	19.7	29.5





#95
Dibenzo(a,h)anthracene
Concen: 2.523 ng/ul m
RT: 28.188 min Scan# 4291
Delta R.T. 0.018 min
Lab File: BG061557.D
Acq: 8 Jun 2024 8:00

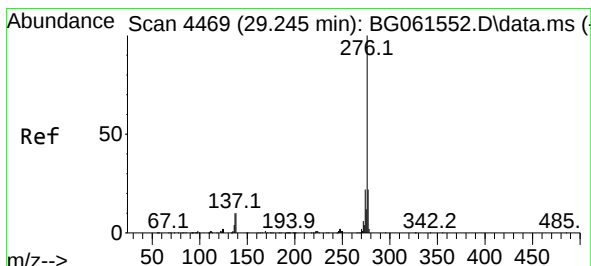
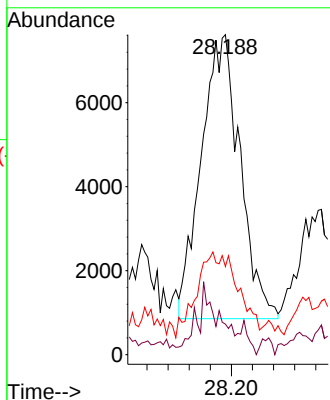
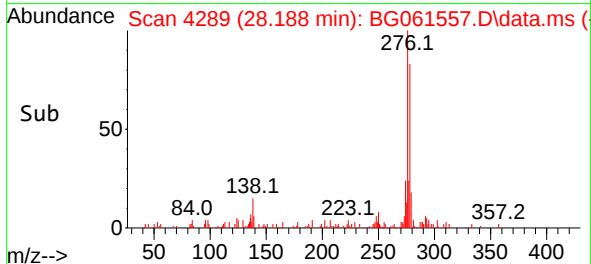
Instrument :
BNA_G
ClientSampleId :
A4C24



Tgt Ion:278 Resp: 34540
Ion Ratio Lower Upper
278 100
139 9.6 6.4 9.6
279 27.5 19.9 29.9

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Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#96
Benzo(g,h,i)perylene
Concen: 1.072 ng/ul m
RT: 29.234 min Scan# 4467
Delta R.T. 0.012 min
Lab File: BG061557.D
Acq: 8 Jun 2024 8:00

Tgt Ion:276 Resp: 14152
Ion Ratio Lower Upper
276 100
138 10.1 8.7 13.1
277 25.4 18.2 27.2

