

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061472.D
 Acq On : 5 Jun 2024 2:31
 Operator : MA/JU
 Sample : P2591-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5T2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 05 03:05:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.874	152	26557	20.000	ng/u1	0.00
20) Naphthalene-d8	10.671	136	111234	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.513	164	80900	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.263	188	188699	20.000	ng/u1	0.00
79) Chrysene-d12	21.517	240	197401	20.000	ng/u1	0.00
88) Perylene-d12	24.613	264	226392	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.332	96	1834	3.865	ng/uL	0.00
4) Pyridine-d5	3.738	84	11770	6.972	ng/u1	0.00
7) Phenol-d5	7.063	99	44867	20.573	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.198	67	27597	20.132	ng/u1	0.00
11) 2-Chlorophenol-d4	7.416	132	37404	23.174	ng/u1	0.00
15) 4-Methylphenol-d8	8.597	113	33778	18.164	ng/u1	0.00
21) Nitrobenzene-d5	9.031	128	18229	21.285	ng/u1	0.00
24) 2-Nitrophenol-d4	9.748	143	21892	21.842	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.306	165	43499	22.261	ng/u1	0.00
31) 4-Chloroaniline-d4	10.806	131	36486	14.272	ng/u1	0.00
46) Dimethylphthalate-d6	13.914	166	141791	22.598	ng/u1	0.00
49) Acenaphthylene-d8	14.202	160	153840	23.584	ng/u1	0.00
54) 4-Nitrophenol-d4	14.760	143	14502m	18.695	ng/u1	0.02
60) Fluorene-d10	15.506	176	123991	22.889	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.653	200	16415	14.383	ng/u1	0.02
73) Anthracene-d10	17.363	188	199451	23.975	ng/u1	0.00
81) Pyrene-d10	19.654	212	216313	21.342	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.402	264	190140	17.470	ng/u1	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.718	128	13448	2.291	ng/u1#	92
36) 2-Methylnaphthalene	12.328	142	9744	2.289	ng/u1	97
37) 1-Methylnaphthalene	12.545	142	4575	1.047	ng/u1#	68
52) Acenaphthene	14.572	153	12316	2.596	ng/u1	98
56) Dibenzofuran	14.913	168	17775	2.620	ng/u1	99
61) Fluorene	15.559	166	16699	2.845	ng/u1	97
72) Phenanthrene	17.304	178	402988	44.001	ng/u1	99
74) Anthracene	17.398	178	84920	8.968	ng/u1	98
77) Carbazole	17.668	167	49650	6.446	ng/u1	99
80) Fluoranthene	19.325	202	715292	58.828	ng/u1	100
82) Pyrene	19.689	202	496271	39.321	ng/u1	98
85) Benzo(a)anthracene	21.499	228	383237	28.136	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.405	149	8186	1.276	ng/u1#	97
87) Chrysene	21.564	228	339282	27.052	ng/u1	96
90) Benzo(b)fluoranthene	23.638	252	466268	34.592	ng/u1	100
91) Benzo(k)fluoranthene	23.697	252	152594m	11.151	ng/u1	
93) Benzo(a)pyrene	24.460	252	188975	14.764	ng/u1	94
94) Indeno(1,2,3-cd)pyrene	28.121	276	155350	10.037	ng/u1	98
95) Dibenzo(a,h)anthracene	28.138	278	60242m	4.720	ng/u1	
96) Benzo(g,h,i)perylene	29.208	276	24758m	2.011	ng/u1	

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

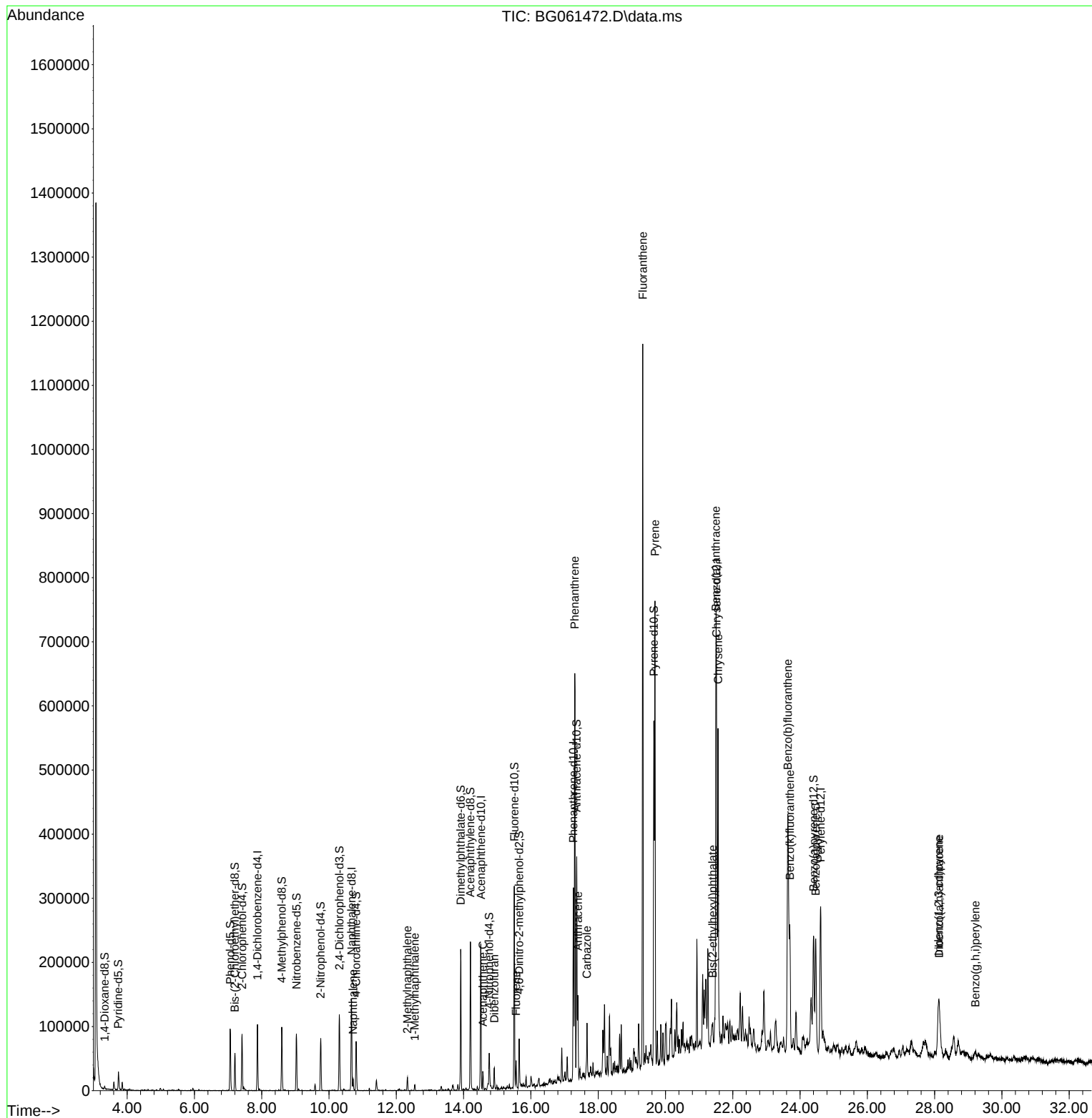
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
Data File : BG061472.D
Acq On : 5 Jun 2024 2:31
Operator : MA/JU
Sample : P2591-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

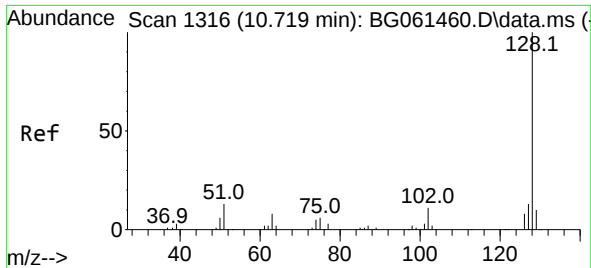
Instrument :
BNA_G
ClientSampleId :
BH5T2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

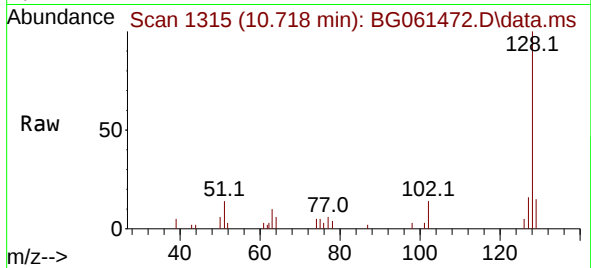
Quant Time: Jun 05 03:05:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 30 22:54:48 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 2.291 ng/ul
RT: 10.718 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG061472.D
Acq: 5 Jun 2024 2:31

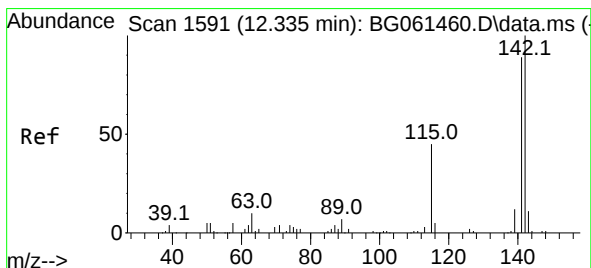
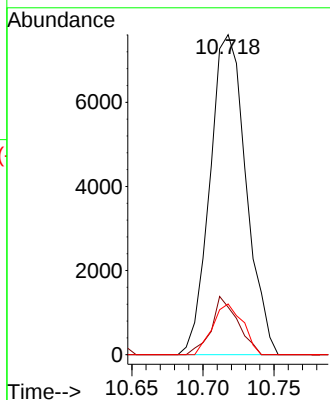
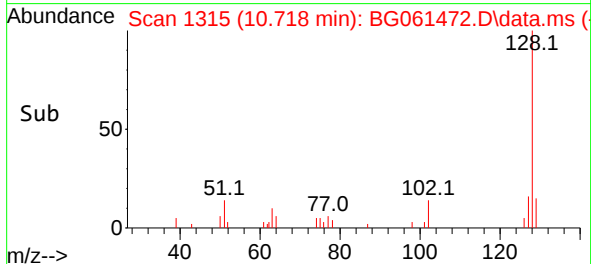
Instrument :
BNA_G
ClientSampleId :
BH5T2



Tgt Ion:128 Resp: 1344
Ion Ratio Lower Upper
128 100
129 14.8 8.6 12.8
127 15.9 10.8 16.2

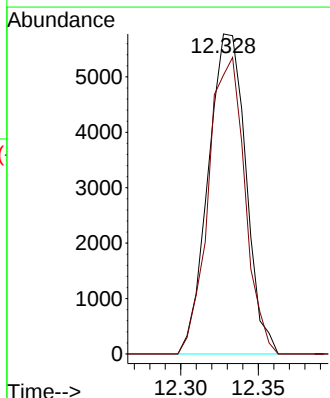
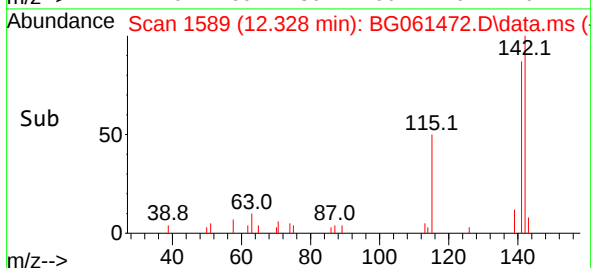
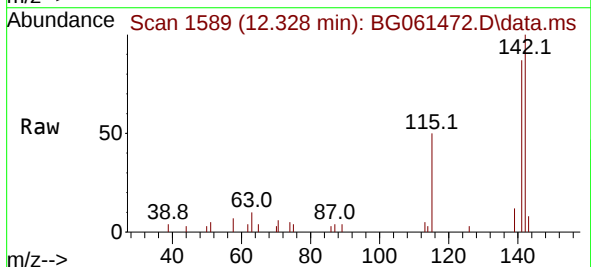
Manual Integrations
APPROVED

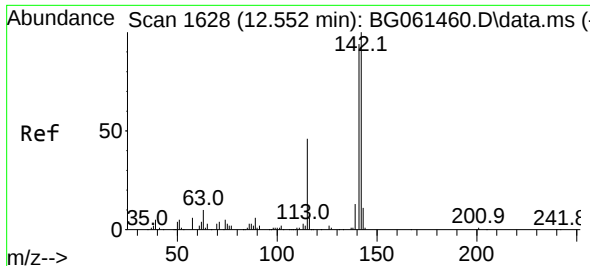
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#36
2-Methylnaphthalene
Concen: 2.289 ng/ul
RT: 12.328 min Scan# 1589
Delta R.T. -0.001 min
Lab File: BG061472.D
Acq: 5 Jun 2024 2:31

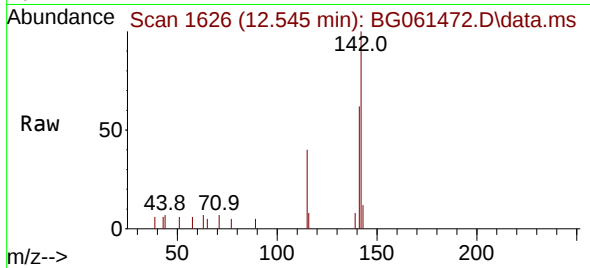
Tgt Ion:142 Resp: 9744
Ion Ratio Lower Upper
142 100
141 87.2 72.2 108.2





#37
1-Methylnaphthalene
Concen: 1.047 ng/ul
RT: 12.545 min Scan# 110
Delta R.T. -0.001 min
Lab File: BG061472.D
Acq: 5 Jun 2024 2:31

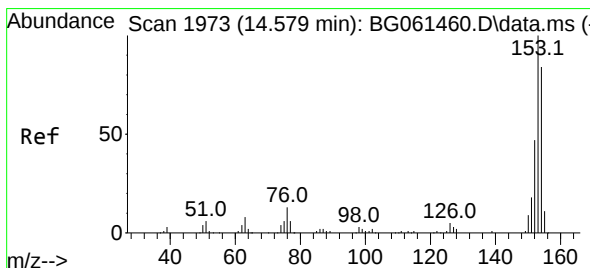
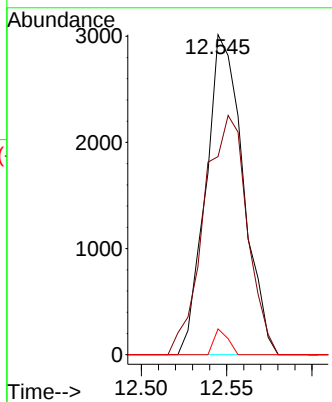
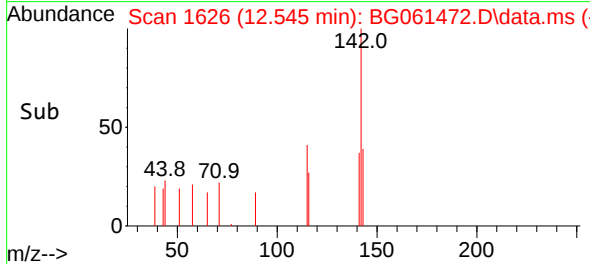
Instrument :
BNA_G
ClientSampleId :
BH5T2



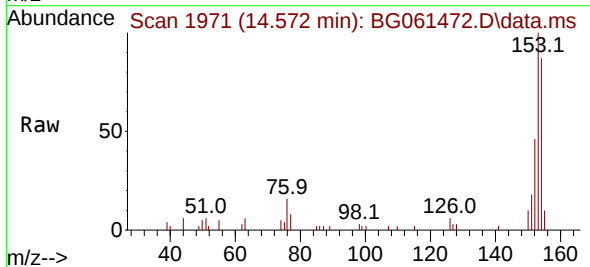
Tgt Ion:142 Resp: 4579
Ion Ratio Lower Upper
142 100
141 61.9 75.5 113.3
116 8.1 4.0 6.0

Manual Integrations
APPROVED

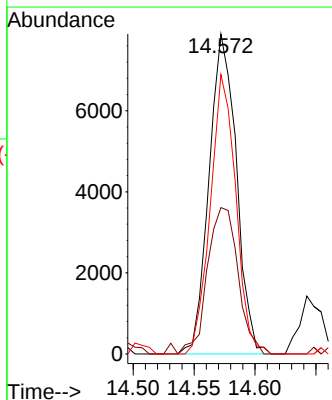
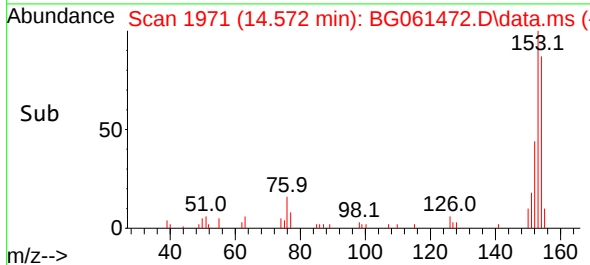
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

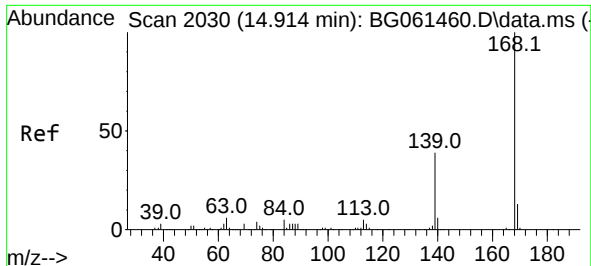


#52
Acenaphthene
Concen: 2.596 ng/ul
RT: 14.572 min Scan# 1971
Delta R.T. -0.001 min
Lab File: BG061472.D
Acq: 5 Jun 2024 2:31



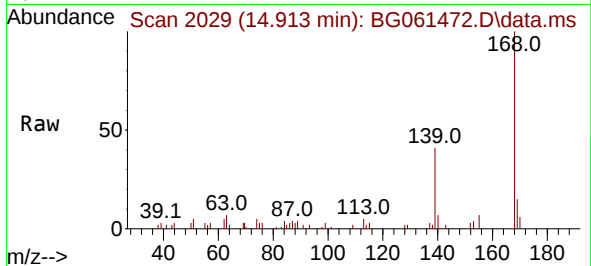
Tgt Ion:153 Resp: 12316
Ion Ratio Lower Upper
153 100
152 45.8 37.8 56.8
154 87.3 69.0 103.6





#56
Dibenzenofuran
Concen: 2.620 ng/ul
RT: 14.913 min Scan# 2030
Delta R.T. 0.005 min
Lab File: BG061472.D
Acq: 5 Jun 2024 2:31

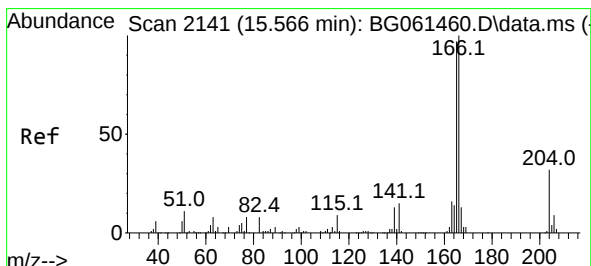
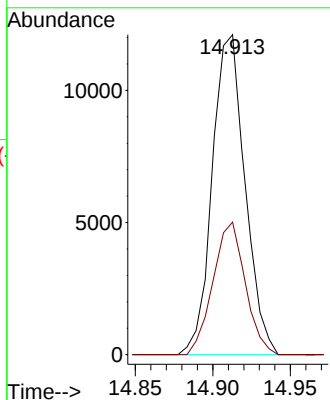
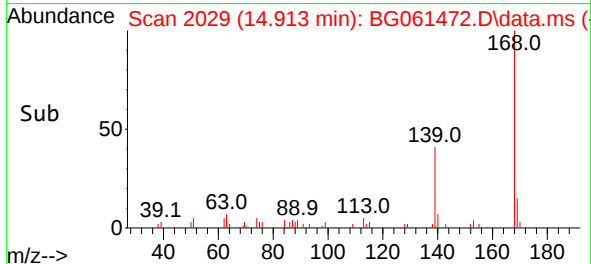
Instrument :
BNA_G
ClientSampleId :
BH5T2



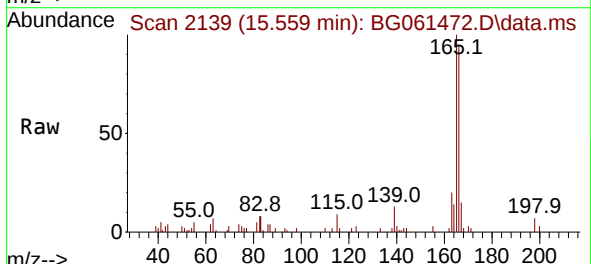
Tgt Ion:168 Resp: 17775
Ion Ratio Lower Upper
168 100
139 41.4 33.4 50.2

Manual Integrations
APPROVED

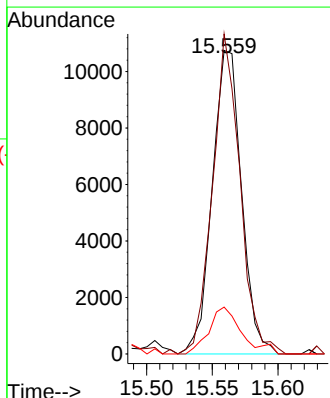
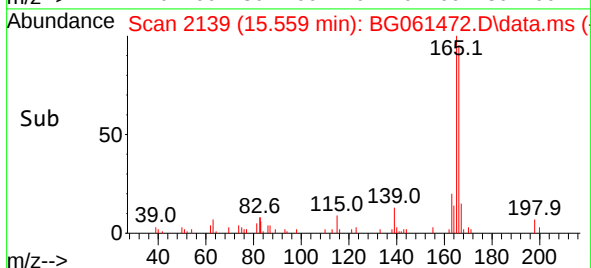
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

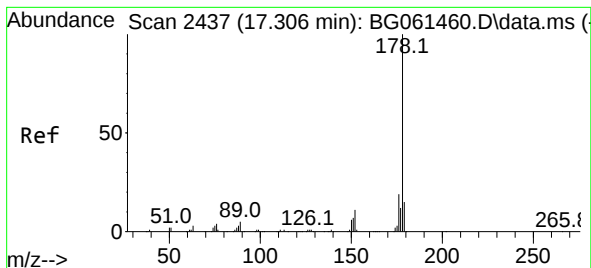


#61
Fluorene
Concen: 2.845 ng/ul
RT: 15.559 min Scan# 2139
Delta R.T. -0.001 min
Lab File: BG061472.D
Acq: 5 Jun 2024 2:31



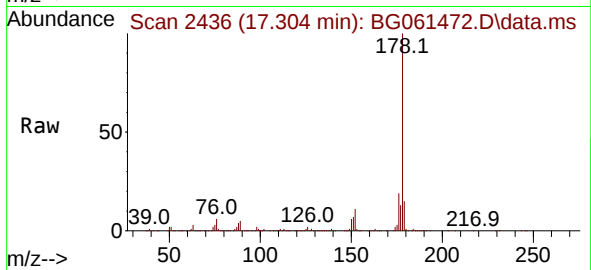
Tgt Ion:166 Resp: 16699
Ion Ratio Lower Upper
166 100
165 105.4 81.8 122.8
167 15.5 10.6 16.0





#72
Phenanthrene
Concen: 44.001 ng/u1
RT: 17.304 min Scan# 2437
Delta R.T. 0.005 min
Lab File: BG061472.D
Acq: 5 Jun 2024 2:31

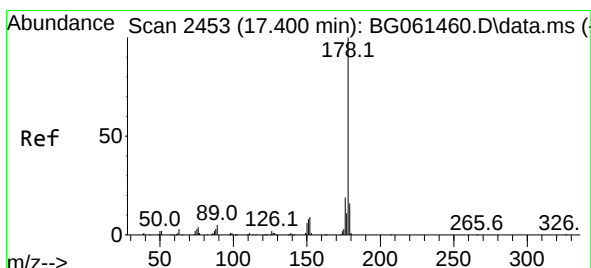
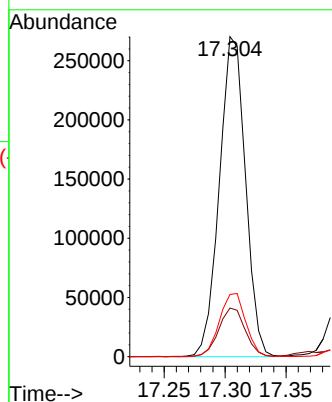
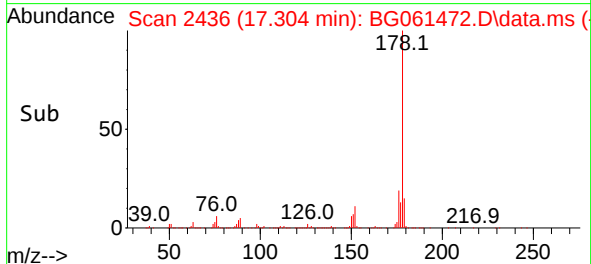
Instrument :
BNA_G
ClientSampleId :
BH5T2



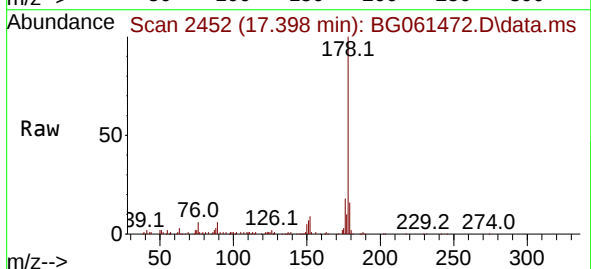
Tgt Ion:178 Resp: 402988
Ion Ratio Lower Upper
178 100
179 15.2 12.7 19.1
176 19.4 15.5 23.3

Manual Integrations
APPROVED

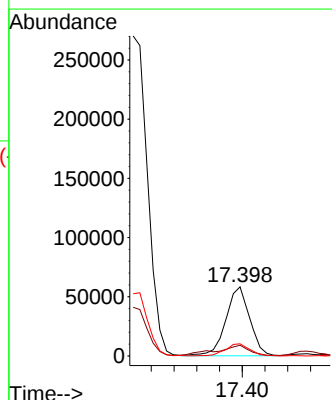
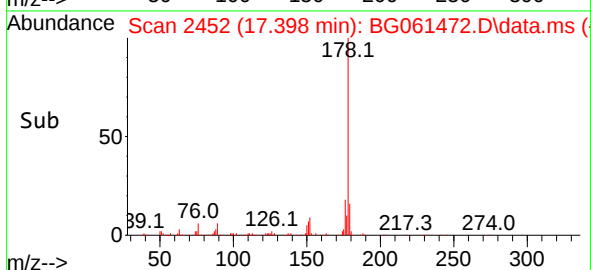
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

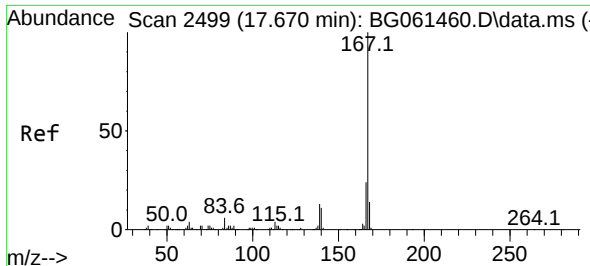


#74
Anthracene
Concen: 8.968 ng/u1
RT: 17.398 min Scan# 2452
Delta R.T. 0.005 min
Lab File: BG061472.D
Acq: 5 Jun 2024 2:31



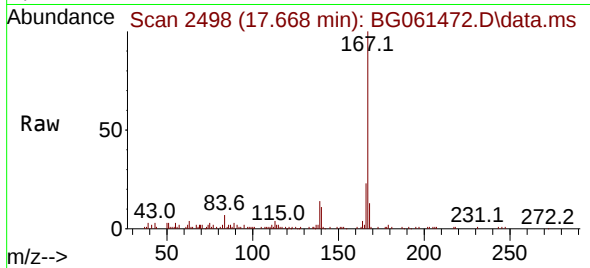
Tgt Ion:178 Resp: 84920
Ion Ratio Lower Upper
178 100
179 15.6 11.8 17.6
176 17.7 14.9 22.3





#77
 Carbazole
 Concen: 6.446 ng/ul
 RT: 17.668 min Scan# 2499
 Delta R.T. 0.005 min
 Lab File: BG061472.D
 Acq: 5 Jun 2024 2:31

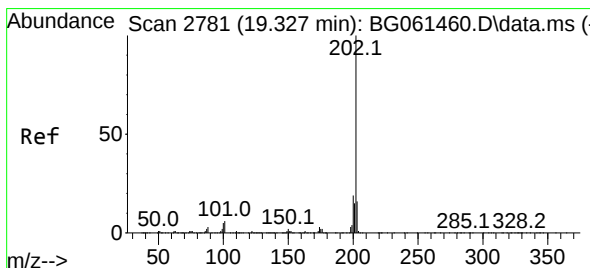
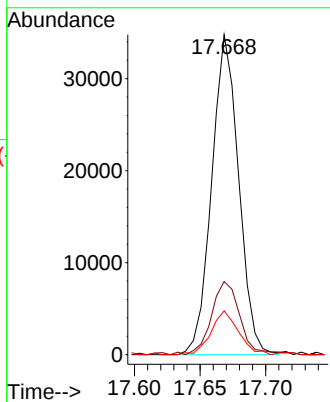
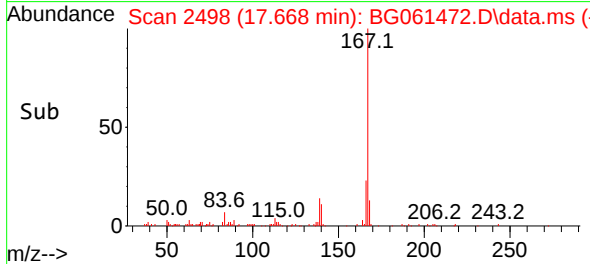
Instrument :
 BNA_G
 ClientSampleId :
 BH5T2



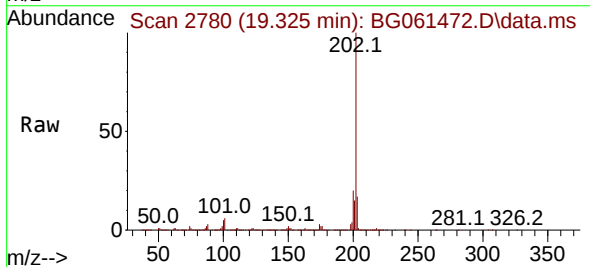
Tgt Ion:167 Resp: 49650
 Ion Ratio Lower Upper
 167 100
 166 22.9 18.6 28.0
 139 13.7 10.6 15.8

Manual Integrations
 APPROVED

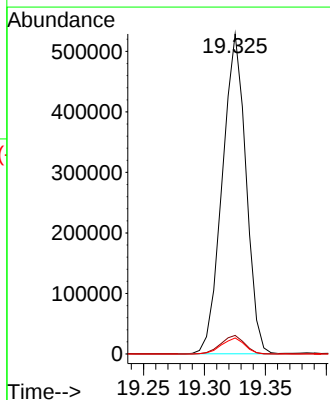
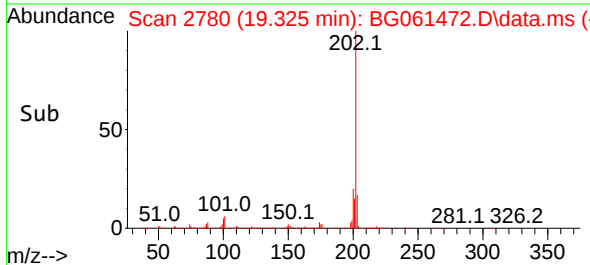
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

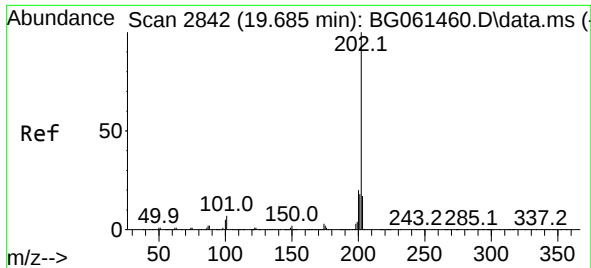


#80
 Fluoranthene
 Concen: 58.828 ng/ul
 RT: 19.325 min Scan# 2780
 Delta R.T. 0.011 min
 Lab File: BG061472.D
 Acq: 5 Jun 2024 2:31



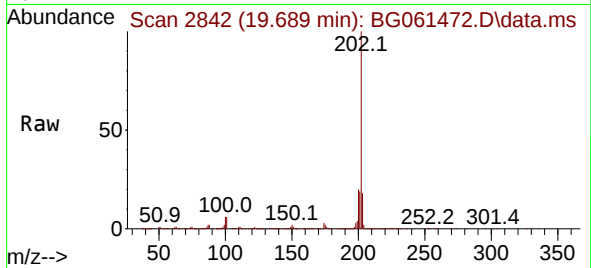
Tgt Ion:202 Resp: 715292
 Ion Ratio Lower Upper
 202 100
 101 5.8 4.8 7.2
 100 5.0 4.1 6.1





#82
 Pyrene
 Concen: 39.321 ng/ul
 RT: 19.689 min Scan# 21
 Delta R.T. 0.011 min
 Lab File: BG061472.D
 Acq: 5 Jun 2024 2:31

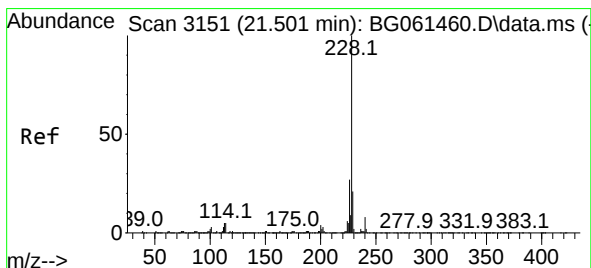
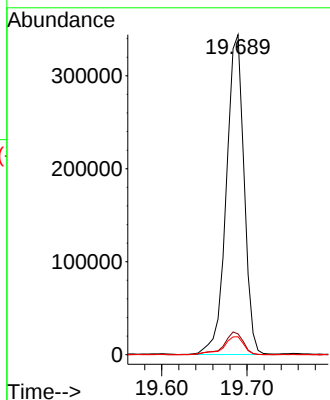
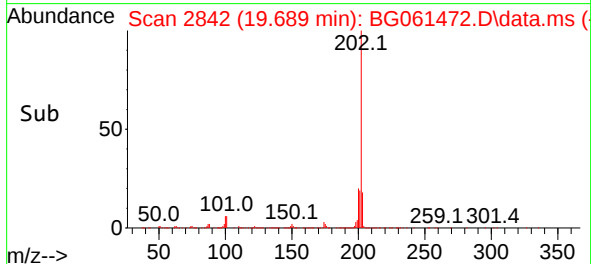
Instrument :
 BNA_G
 ClientSampleId :
 BH5T2



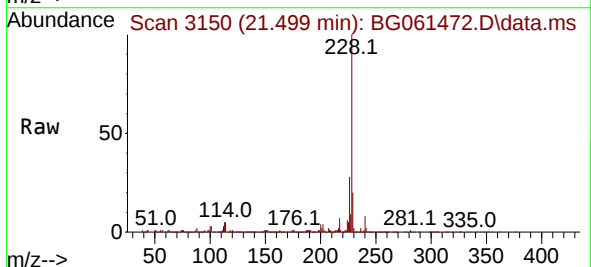
Tgt Ion:202 Resp: 49627
 Ion Ratio Lower Upper
 202 100
 101 6.5 5.7 8.5
 100 5.6 5.1 7.7

Manual Integrations
 APPROVED

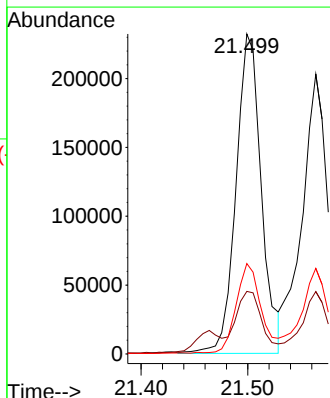
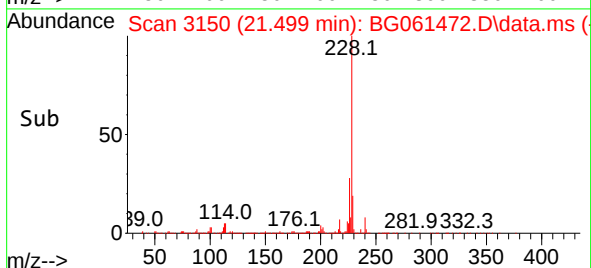
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

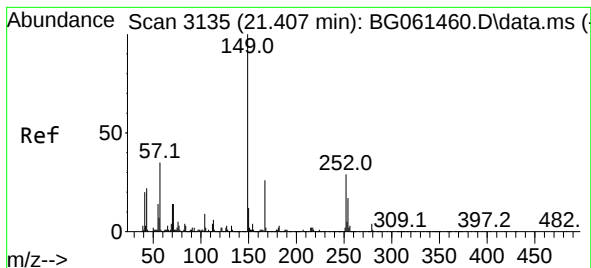


#85
 Benzo(a)anthracene
 Concen: 28.136 ng/ul
 RT: 21.499 min Scan# 3150
 Delta R.T. 0.005 min
 Lab File: BG061472.D
 Acq: 5 Jun 2024 2:31



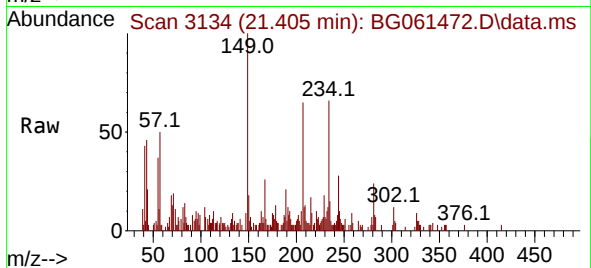
Tgt Ion:228 Resp: 383237
 Ion Ratio Lower Upper
 228 100
 229 19.5 15.2 22.8
 226 28.2 21.4 32.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 1.276 ng/ul
RT: 21.405 min Scan# 3135
Delta R.T. -0.001 min
Lab File: BG061472.D
Acq: 5 Jun 2024 2:31

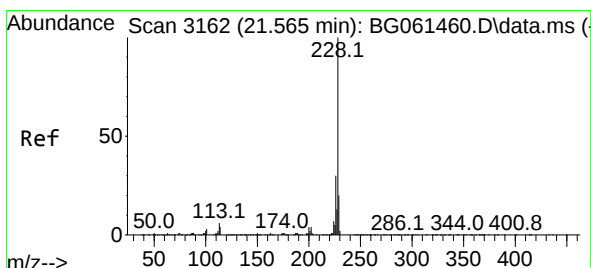
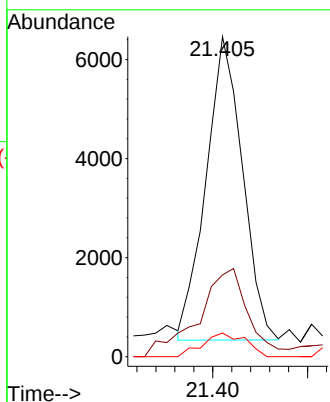
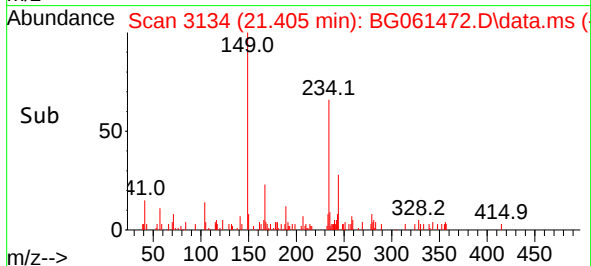
Instrument :
BNA_G
ClientSampleId :
BH5T2



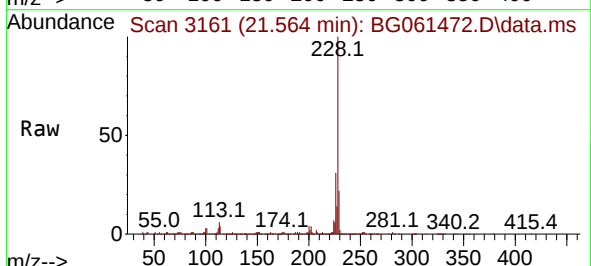
Tgt Ion:149 Resp: 8180
Ion Ratio Lower Upper
149 100
167 25.5 21.1 31.7
279 7.4 3.3 4.9

Manual Integrations
APPROVED

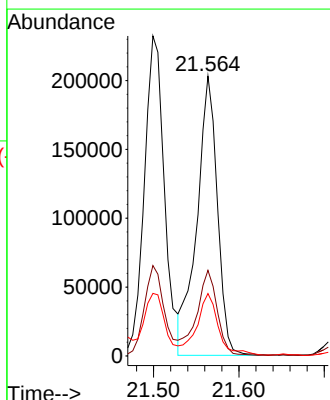
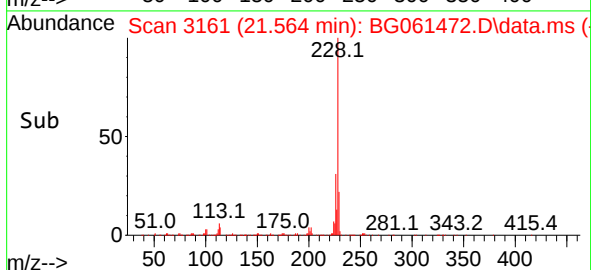
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

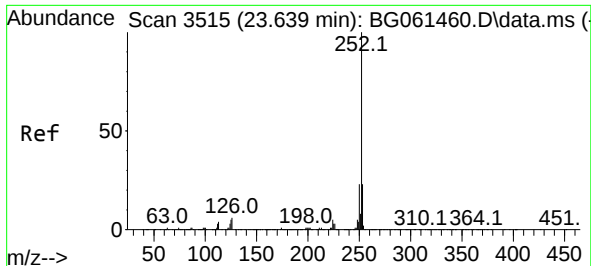


#87
Chrysene
Concen: 27.052 ng/ul
RT: 21.564 min Scan# 3161
Delta R.T. 0.011 min
Lab File: BG061472.D
Acq: 5 Jun 2024 2:31



Tgt Ion:228 Resp: 339282
Ion Ratio Lower Upper
228 100
226 30.6 23.4 35.0
229 22.3 15.4 23.2





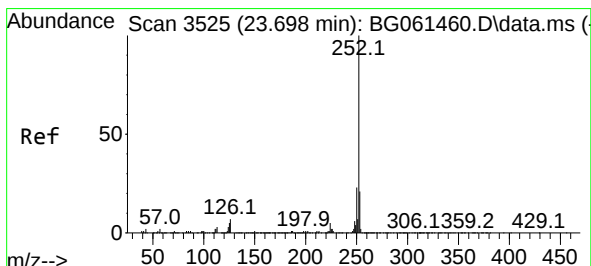
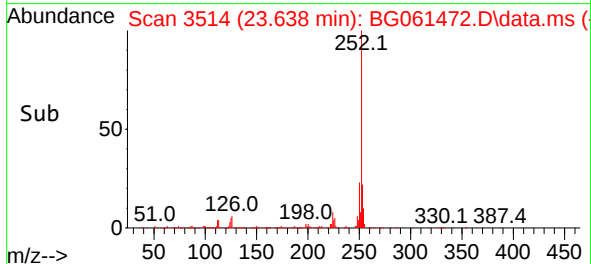
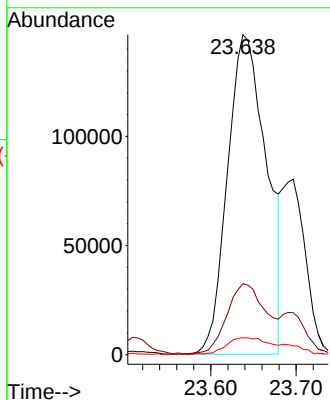
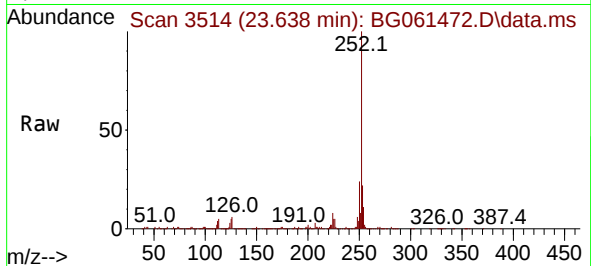
#90
Benzo(b)fluoranthene
Concen: 34.592 ng/ul
RT: 23.638 min Scan# 3515
Delta R.T. 0.022 min
Lab File: BG061472.D
Acq: 5 Jun 2024 2:31

Instrument :
BNA_G
ClientSampleId :
BH5T2

Tgt Ion:252 Resp: 466268
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 5.3 4.6 6.8

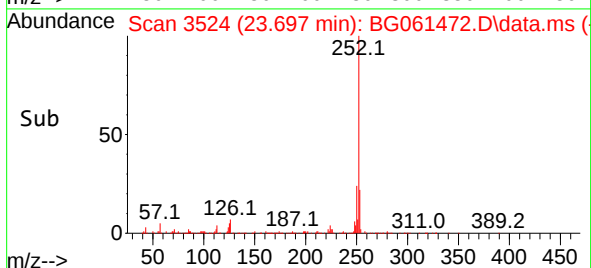
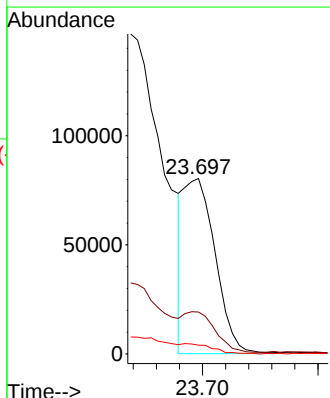
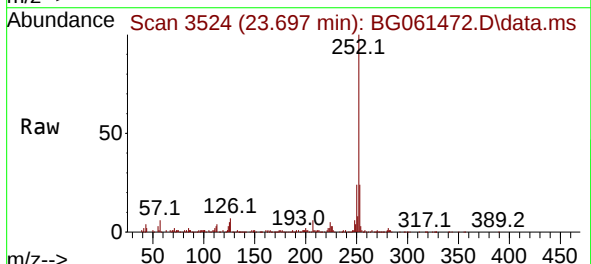
Manual Integrations
APPROVED

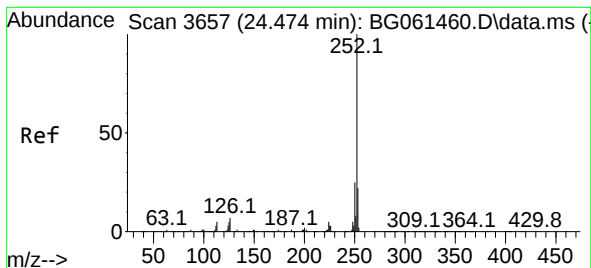
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#91
Benzo(k)fluoranthene
Concen: 11.151 ng/ul m
RT: 23.697 min Scan# 3524
Delta R.T. 0.016 min
Lab File: BG061472.D
Acq: 5 Jun 2024 2:31

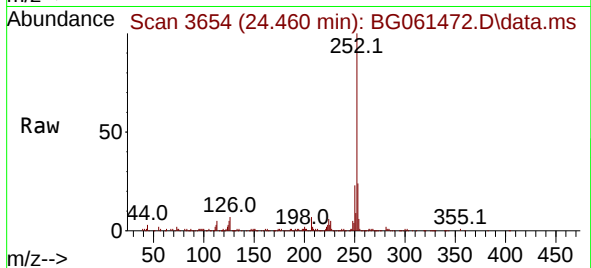
Tgt Ion:252 Resp: 152594
Ion Ratio Lower Upper
252 100
253 23.9 16.0 24.0
125 5.0 4.3 6.5





#93
Benzo(a)pyrene
Concen: 14.764 ng/u1
RT: 24.460 min Scan# 30
Delta R.T. 0.011 min
Lab File: BG061472.D
Acq: 5 Jun 2024 2:31

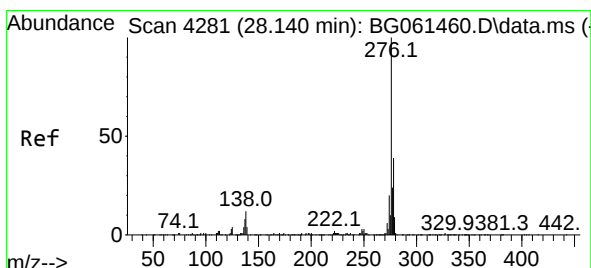
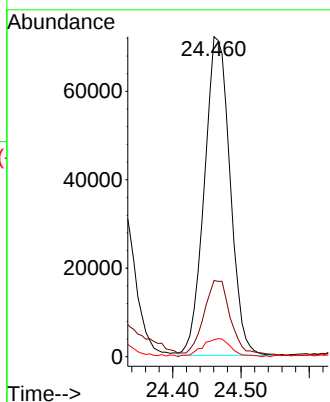
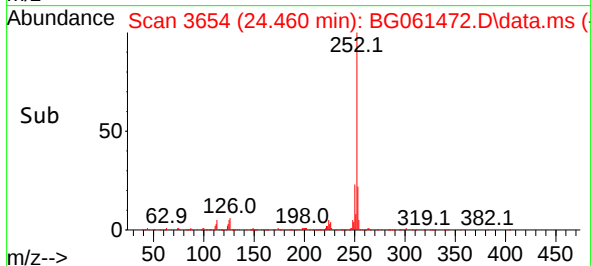
Instrument :
BNA_G
ClientSampleId :
BH5T2



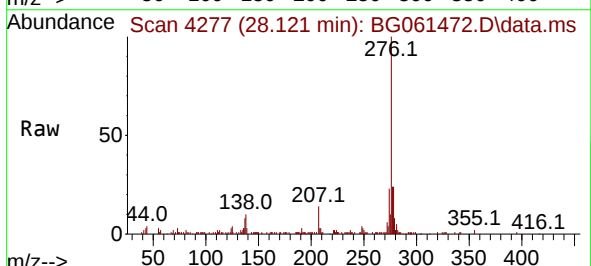
Tgt Ion:252 Resp: 18897
Ion Ratio Lower Upper
252 100
253 23.8 16.4 24.6
125 5.3 4.3 6.5

Manual Integrations
APPROVED

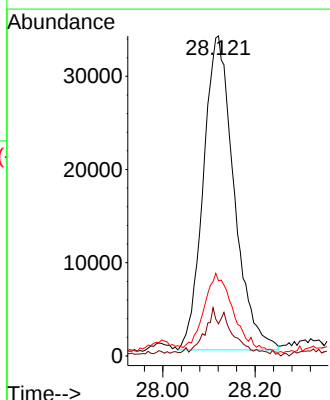
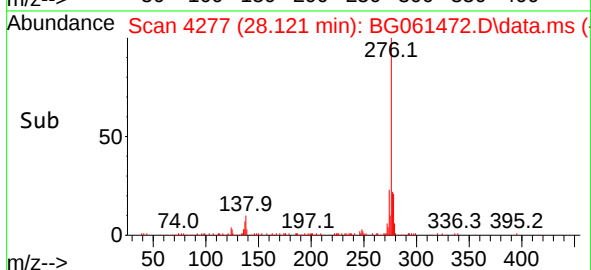
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

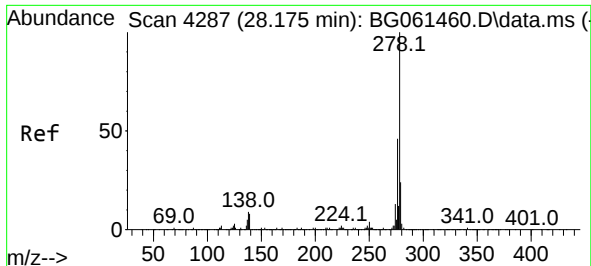


#94
Indeno(1,2,3-cd)pyrene
Concen: 10.037 ng/u1
RT: 28.121 min Scan# 4277
Delta R.T. 0.028 min
Lab File: BG061472.D
Acq: 5 Jun 2024 2:31



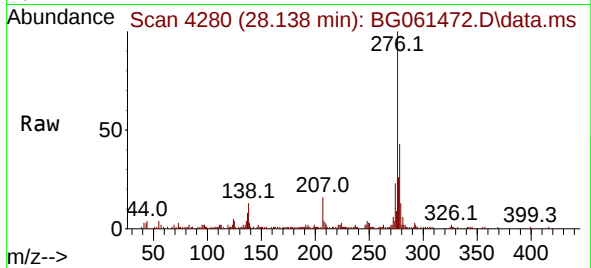
Tgt Ion:276 Resp: 155350
Ion Ratio Lower Upper
276 100
138 10.1 8.6 13.0
277 23.5 19.7 29.5





#95
Dibenzo(a,h)anthracene
Concen: 4.720 ng/ul m
RT: 28.138 min Scan# 41
Delta R.T. -0.001 min
Lab File: BG061472.D
Acq: 5 Jun 2024 2:31

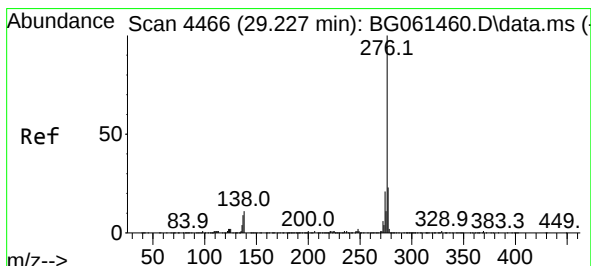
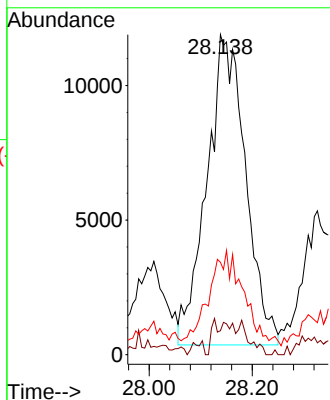
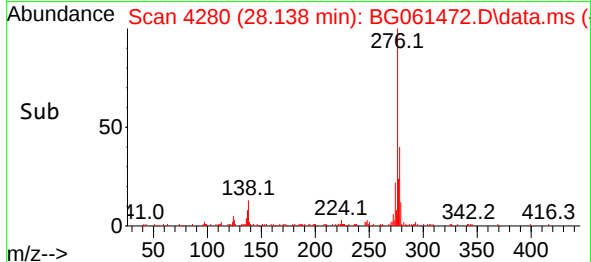
Instrument :
BNA_G
ClientSampleId :
BH5T2



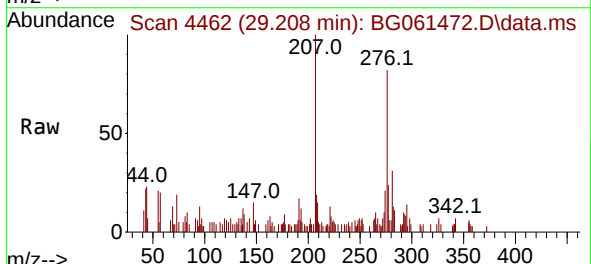
Tgt Ion:278 Resp: 6024
Ion Ratio Lower Upper
278 100
139 7.5 6.4 9.6
279 28.9 19.9 29.9

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#96
Benzo(g,h,i)perylene
Concen: 2.011 ng/ul m
RT: 29.208 min Scan# 4462
Delta R.T. 0.034 min
Lab File: BG061472.D
Acq: 5 Jun 2024 2:31



Tgt Ion:276 Resp: 24758
Ion Ratio Lower Upper
276 100
138 11.6 8.7 13.1
277 29.3 18.2 27.2#

