

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061458.D
 Acq On : 4 Jun 2024 16:53
 Operator : MA/JU
 Sample : P2590-22
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBM6

Manual Integrations
 APPROVED

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

Quant Time: Jun 04 17:38:11 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	7.877	152	30078	20.000	ng/u1	0.00
20) Naphthalene-d8	10.668	136	124701	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.516	164	92291	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.266	188	207237	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.531	240	224770	20.000	ng/u1	0.02
88) Perylene-d12	24.634	264	259193	20.000	ng/u1	# 0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	1956	3.639	ng/uL	0.00
4) Pyridine-d5	3.740	84	14131	7.390	ng/u1	0.00
7) Phenol-d5	7.066	99	65324	26.447	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.207	67	39940	25.726	ng/u1	0.00
11) 2-Chlorophenol-d4	7.418	132	52968	28.976	ng/u1	0.00
15) 4-Methylphenol-d8	8.599	113	52006	24.692	ng/u1	0.00
21) Nitrobenzene-d5	9.034	128	27210	28.341	ng/u1	0.00
24) 2-Nitrophenol-d4	9.757	143	31592	28.115	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.309	165	63699	29.078	ng/u1	0.00
31) 4-Chloroaniline-d4	10.809	131	36947	12.892	ng/u1	0.00
46) Dimethylphthalate-d6	13.923	166	200067	27.951	ng/u1	0.00
49) Acenaphthylene-d8	14.205	160	220404	29.618	ng/u1	0.00
54) 4-Nitrophenol-d4	14.763	143	15385	17.385	ng/u1	0.03
60) Fluorene-d10	15.509	176	176297	28.528	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.656	200	24289	19.378	ng/u1	0.02
73) Anthracene-d10	17.366	188	275292	30.131	ng/u1	0.00
81) Pyrene-d10	19.663	212	337158	29.214	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.422	264	372823	29.919	ng/u1	0.04
Target Compounds					Qvalue	
30) Naphthalene	10.715	128	7877	1.197	ng/u1	96
50) Acenaphthylene	14.240	152	30956m	3.751	ng/u1	
52) Acenaphthene	14.575	153	10050	1.857	ng/u1#	89
56) Dibenzofuran	14.915	168	8601	1.111	ng/u1	98
61) Fluorene	15.562	166	18376	2.744	ng/u1#	94
72) Phenanthrene	17.313	178	564897	56.162	ng/u1	98
74) Anthracene	17.401	178	74257	7.140	ng/u1	98
77) Carbazole	17.671	167	38960	4.606	ng/u1	97
78) Di-n-butylphthalate	18.229	149	23488	2.216	ng/u1	99
80) Fluoranthene	19.334	202	1728236	124.829	ng/u1	99
82) Pyrene	19.698	202	1645630	114.510	ng/u1	100
85) Benzo(a)anthracene	21.514	228	1128951	72.792	ng/u1	96
87) Chrysene	21.578	228	1122744	78.620	ng/u1	96
90) Benzo(b)fluoranthene	23.664	252	1547790	100.296	ng/u1	99
91) Benzo(k)fluoranthene	23.717	252	551214m	35.185	ng/u1	
93) Benzo(a)pyrene	24.498	252	1147503	78.307	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.176	276	817738m	46.145	ng/u1	
95) Dibenzo(a,h)anthracene	28.200	278	214268m	14.664	ng/u1	
96) Benzo(g,h,i)perylene	29.275	276	653211	46.334	ng/u1	97

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

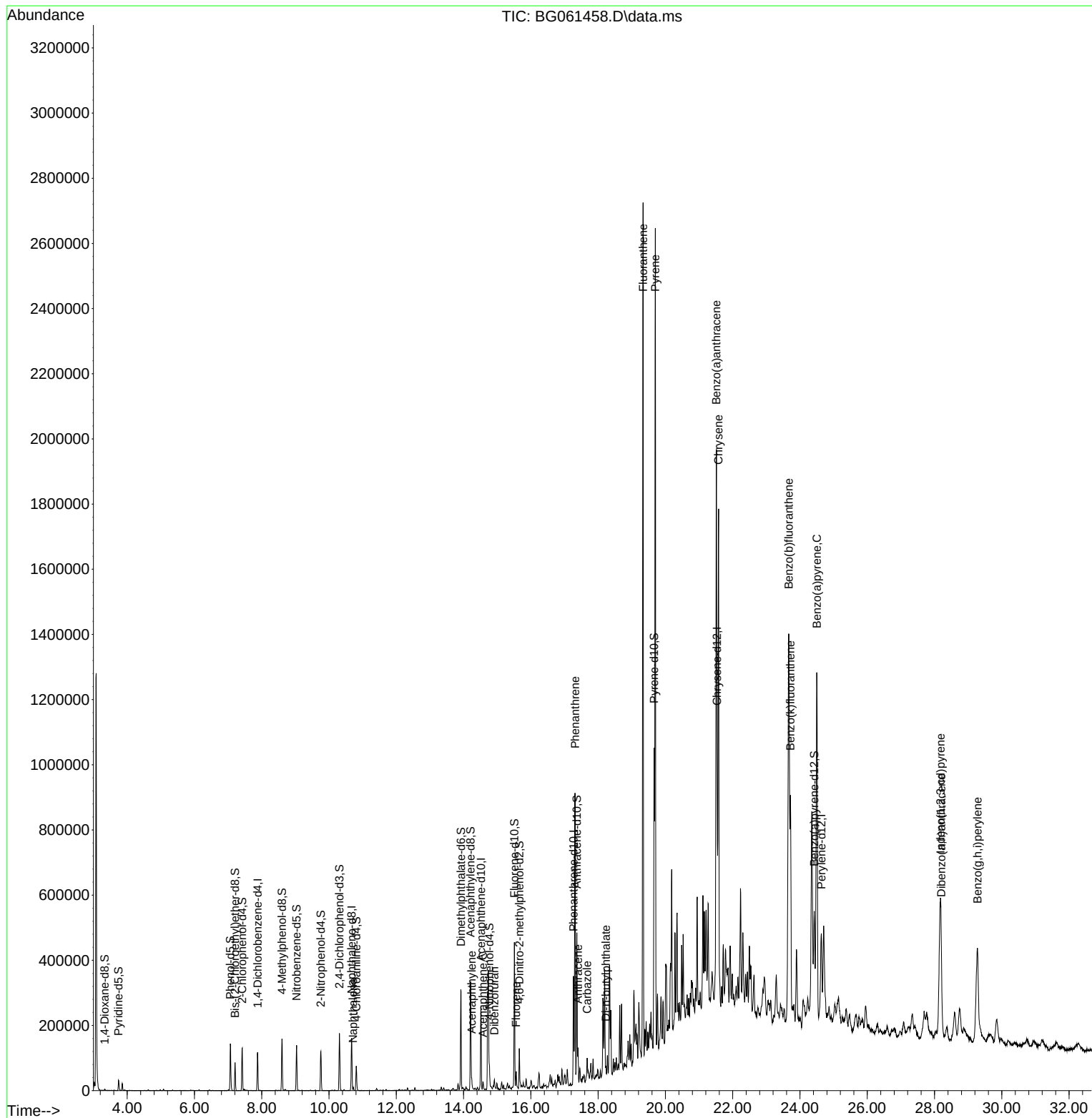
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
Data File : BG061458.D
Acq On : 4 Jun 2024 16:53
Operator : MA/JU
Sample : P2590-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

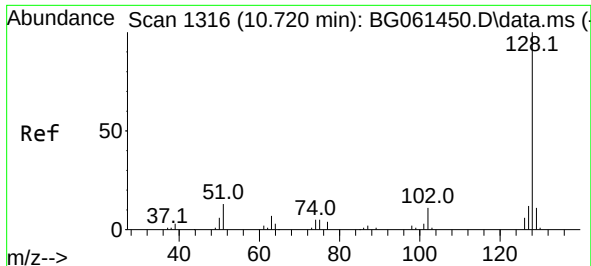
Instrument :
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Supervised By :mohammad ahmed 06/07/2024

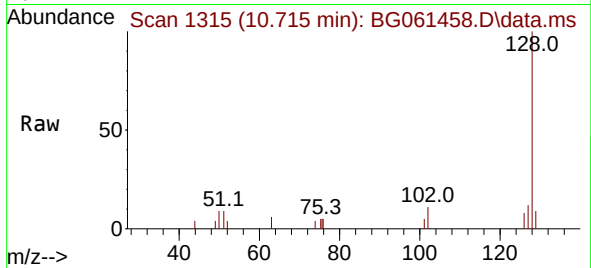
Quant Time: Jun 04 17:38:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 30 22:54:48 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 1.197 ng/ul
RT: 10.715 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG061458.D
Acq: 4 Jun 2024 16:53

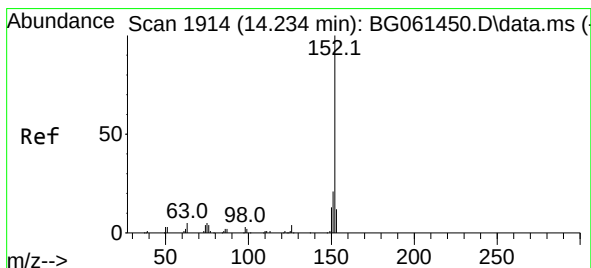
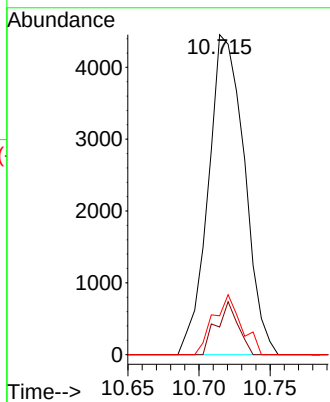
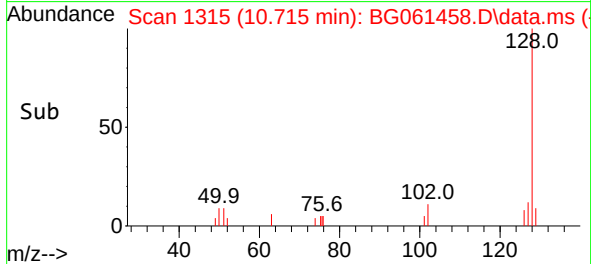
Instrument :
BNA_G
ClientSampleId :
BHBM6



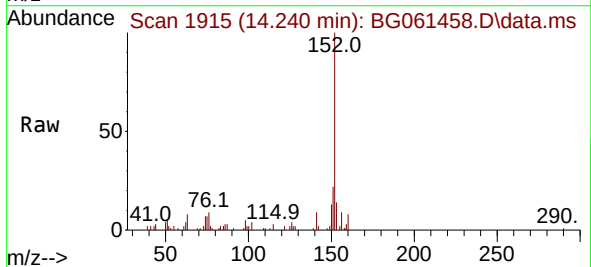
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Ion Ratio Lower Upper
128 100
129 8.7 8.6 12.8
127 12.1 10.8 16.2

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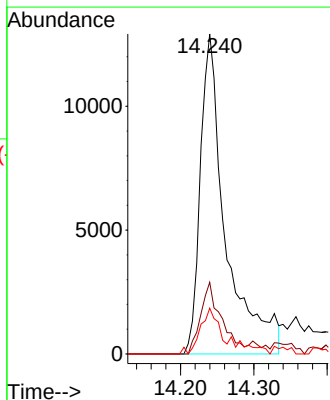
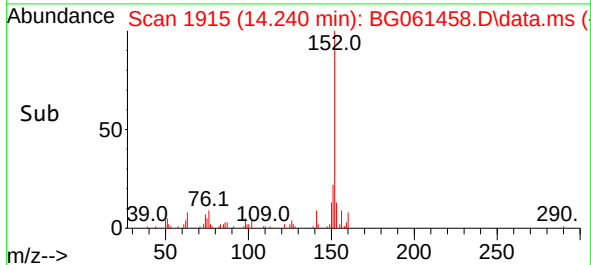
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

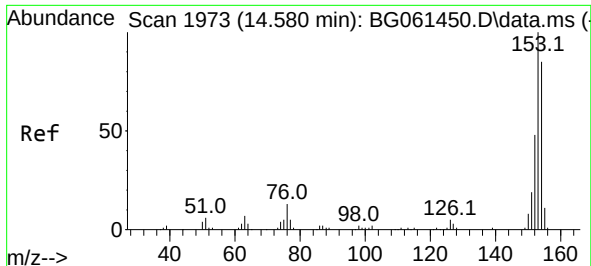


#50
Acenaphthylene
Concen: 3.751 ng/ul m
RT: 14.240 min Scan# 1915
Delta R.T. 0.007 min
Lab File: BG061458.D
Acq: 4 Jun 2024 16:53



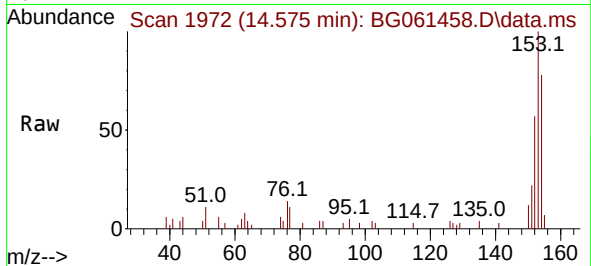
Tgt Ion:152 Resp: 30956
Ion Ratio Lower Upper
152 100
151 22.4 16.2 24.2
153 14.3 10.2 15.4





#52
Acenaphthene
Concen: 1.857 ng/ul
RT: 14.575 min Scan# 1973
Delta R.T. 0.002 min
Lab File: BG061458.D
Acq: 4 Jun 2024 16:53

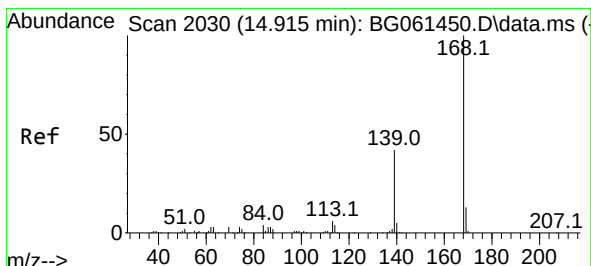
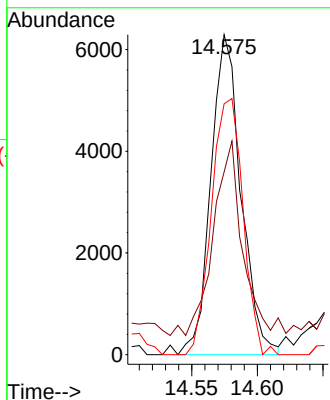
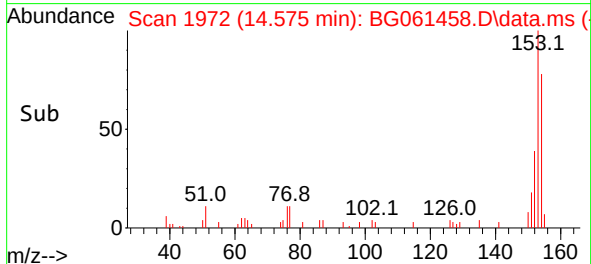
Instrument :
BNA_G
ClientSampleId :
BHBM6



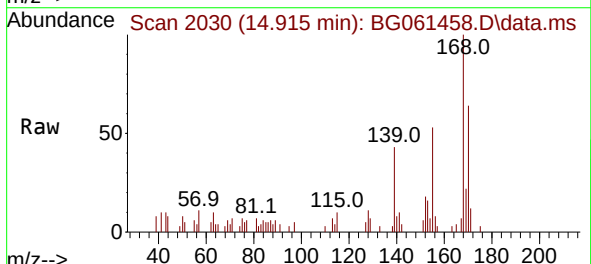
Tgt Ion:153 Resp: 10050
Ion Ratio Lower Upper
153 100
152 57.1 37.8 56.8
154 78.4 69.0 103.6

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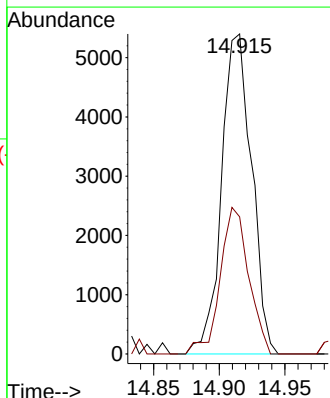
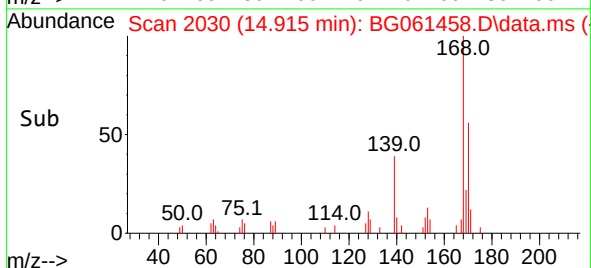
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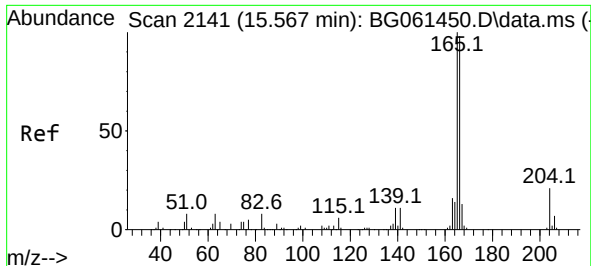


#56
Dibenzofuran
Concen: 1.111 ng/ul
RT: 14.915 min Scan# 2030
Delta R.T. 0.007 min
Lab File: BG061458.D
Acq: 4 Jun 2024 16:53



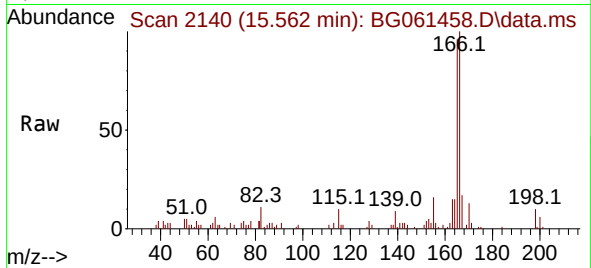
Tgt Ion:168 Resp: 8601
Ion Ratio Lower Upper
168 100
139 42.9 33.4 50.2





#61
Fluorene
Concen: 2.744 ng/ul
RT: 15.562 min Scan# 2141
Delta R.T. 0.002 min
Lab File: BG061458.D
Acq: 4 Jun 2024 16:53

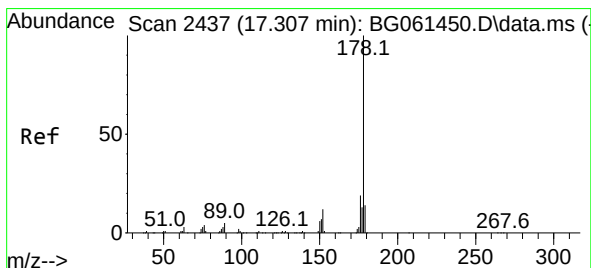
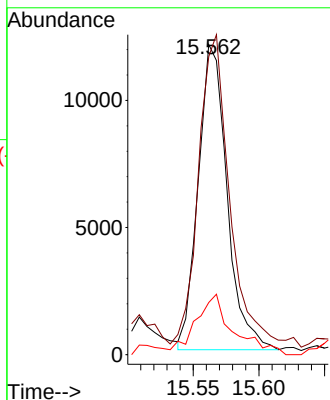
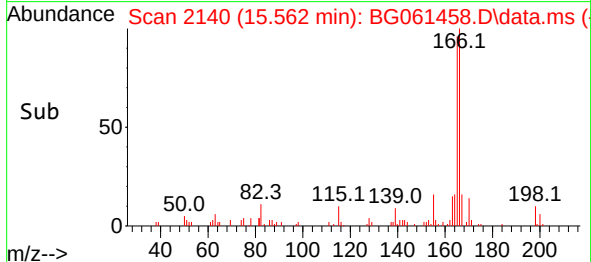
Instrument :
BNA_G
ClientSampleId :
BHBM6



Tgt Ion:166 Resp: 18370
Ion Ratio Lower Upper
166 100
165 96.1 81.8 122.8
167 16.8 10.6 16.0

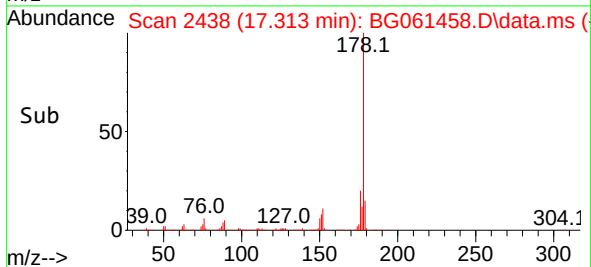
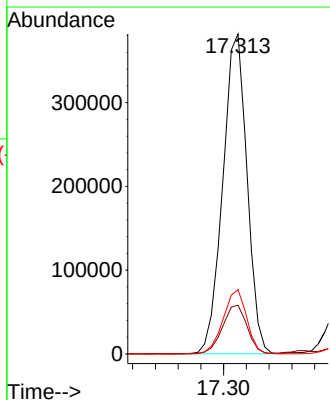
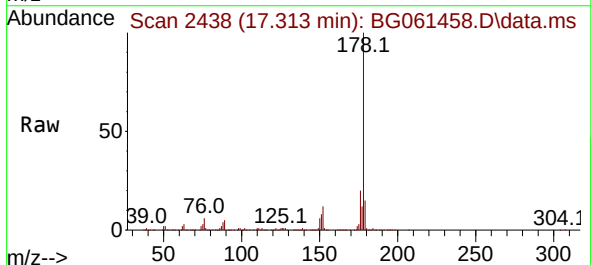
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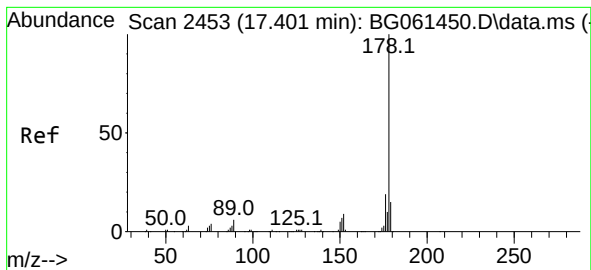
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#72
Phenanthrene
Concen: 56.162 ng/ul
RT: 17.313 min Scan# 2438
Delta R.T. 0.013 min
Lab File: BG061458.D
Acq: 4 Jun 2024 16:53

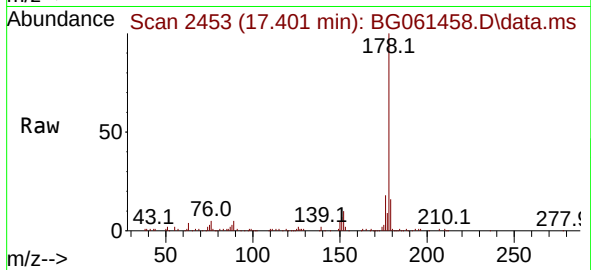
Tgt Ion:178 Resp: 564897
Ion Ratio Lower Upper
178 100
179 15.2 12.7 19.1
176 20.1 15.5 23.3





#74
 Anthracene
 Concen: 7.140 ng/u1
 RT: 17.401 min Scan# 2453
 Delta R.T. 0.007 min
 Lab File: BG061458.D
 Acq: 4 Jun 2024 16:53

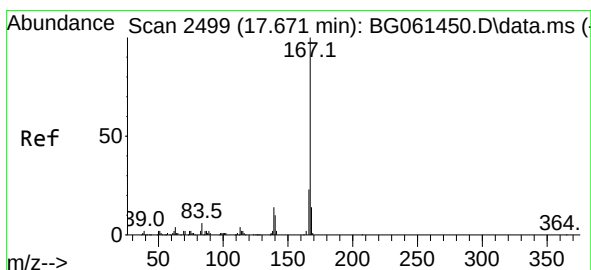
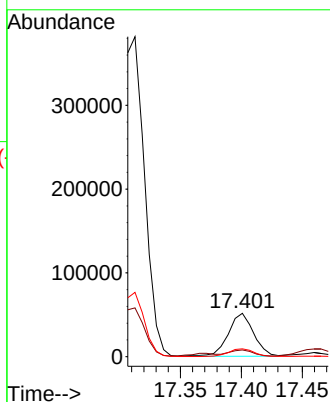
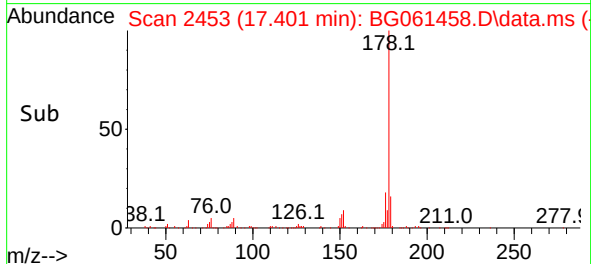
Instrument :
 BNA_G
 ClientSampleId :
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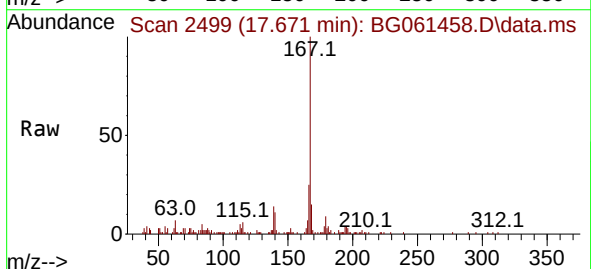
Tgt Ion:178 Resp: 7425
 Ion Ratio Lower Upper
 178 100
 179 15.6 11.8 17.6
 176 18.2 14.9 22.3

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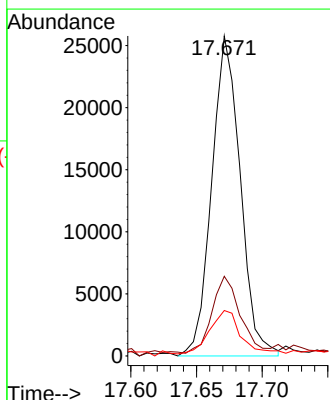
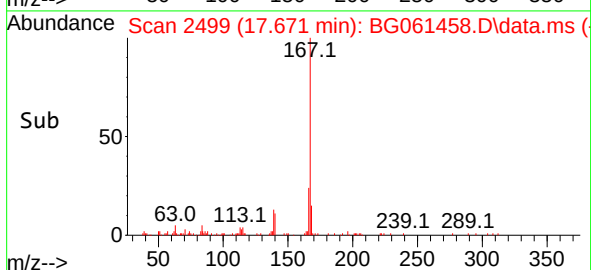
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

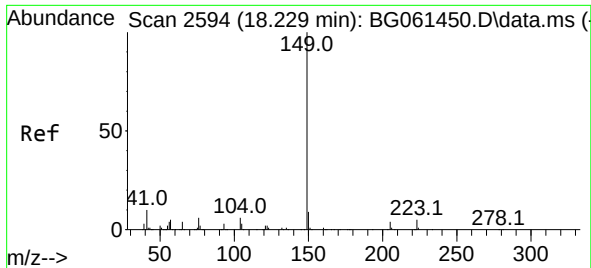


#77
 Carbazole
 Concen: 4.606 ng/u1
 RT: 17.671 min Scan# 2499
 Delta R.T. 0.007 min
 Lab File: BG061458.D
 Acq: 4 Jun 2024 16:53



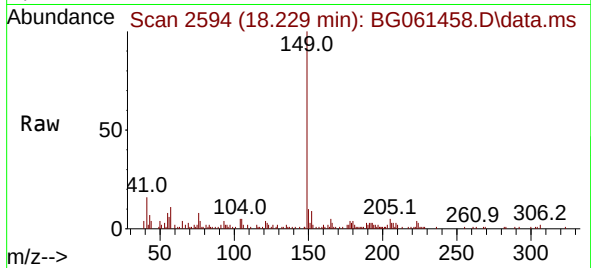
Tgt Ion:167 Resp: 38960
 Ion Ratio Lower Upper
 167 100
 166 24.9 18.6 28.0
 139 14.2 10.6 15.8





#78
Di-n-butylphthalate
Concen: 2.216 ng/u1
RT: 18.229 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG061458.D
Acq: 4 Jun 2024 16:53

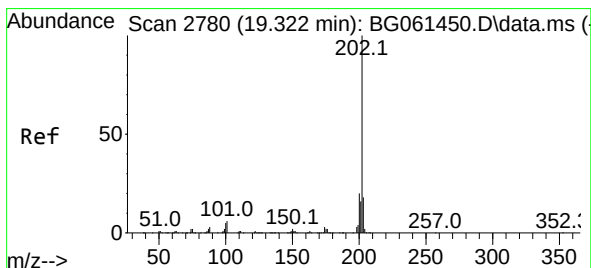
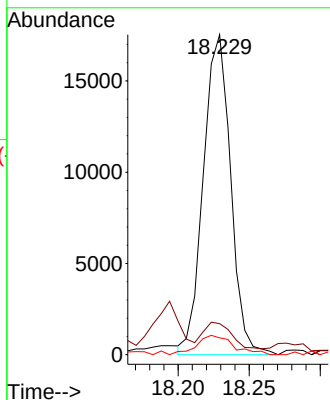
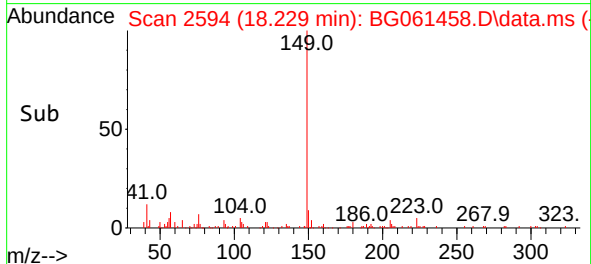
Instrument :
BNA_G
ClientSampleId :
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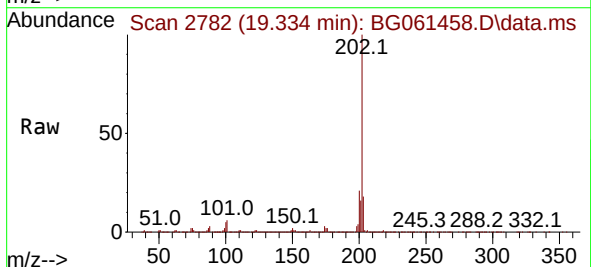
Tgt Ion:149 Resp: 2348
Ion Ratio Lower Upper
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150 9.7 7.8 11.8
104 5.2 4.8 7.2

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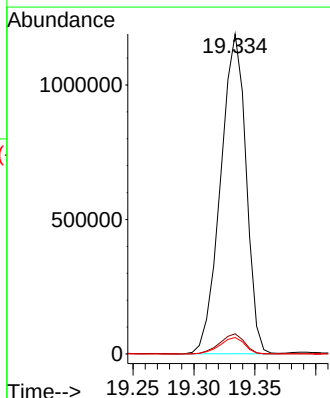
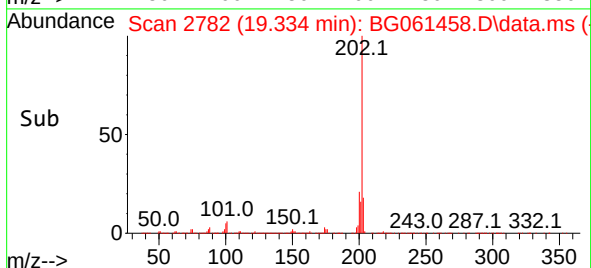
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

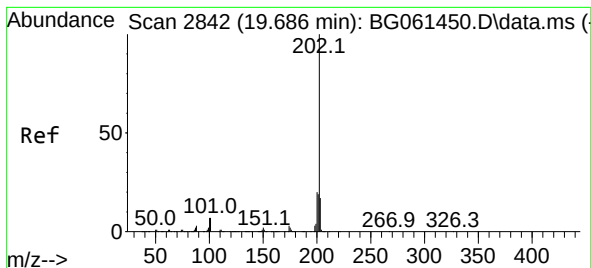


#80
Fluoranthene
Concen: 124.829 ng/u1
RT: 19.334 min Scan# 2782
Delta R.T. 0.019 min
Lab File: BG061458.D
Acq: 4 Jun 2024 16:53



Tgt Ion:202 Resp: 1728236
Ion Ratio Lower Upper
202 100
101 6.3 4.8 7.2
100 5.1 4.1 6.1





#82

Pyrene

Concen: 114.510 ng/ul

RT: 19.698 min Scan# 21

Delta R.T. 0.019 min

Lab File: BG061458.D

Acq: 4 Jun 2024 16:53

Instrument :

BNA_G

ClientSampleId :

BHBM6

Tgt Ion:202 Resp: 1645630

Ion Ratio Lower Upper

202 100

101 7.1 5.7 8.5

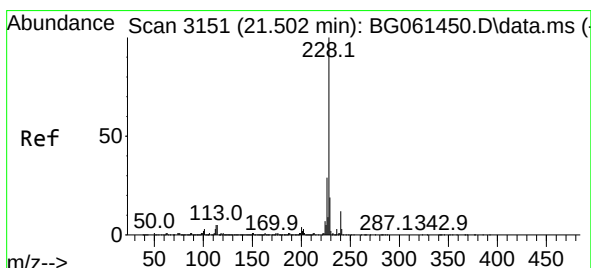
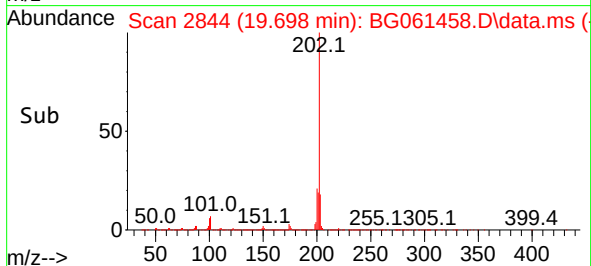
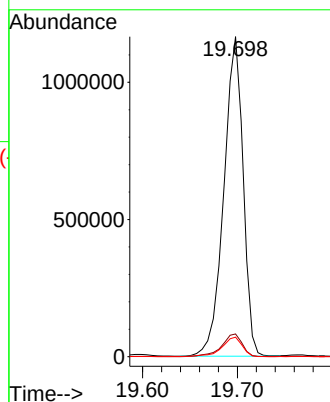
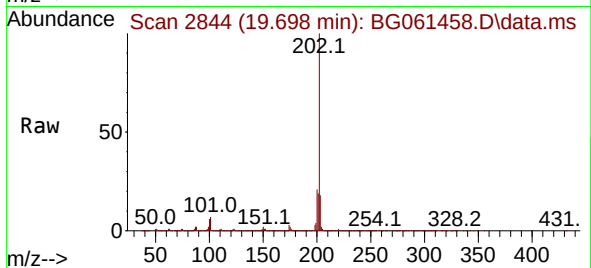
100 6.1 5.1 7.7

Manual Integrations

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Supervised By :mohammad ahmed 06/07/2024



#85

Benzo(a)anthracene

Concen: 72.792 ng/ul

RT: 21.514 min Scan# 3153

Delta R.T. 0.019 min

Lab File: BG061458.D

Acq: 4 Jun 2024 16:53

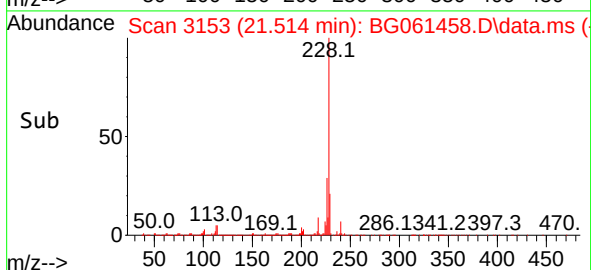
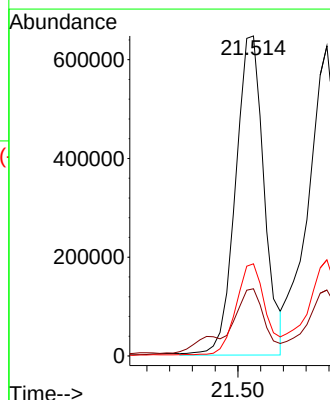
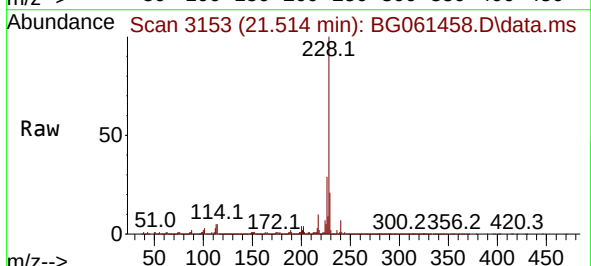
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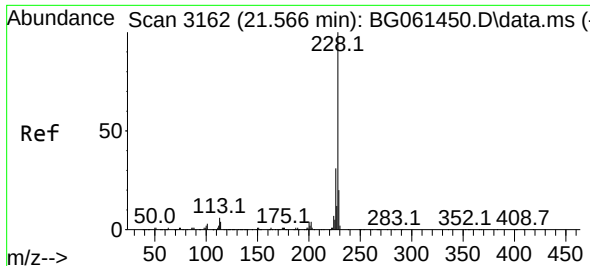
Ion Ratio Lower Upper

228 100

229 21.0 15.2 22.8

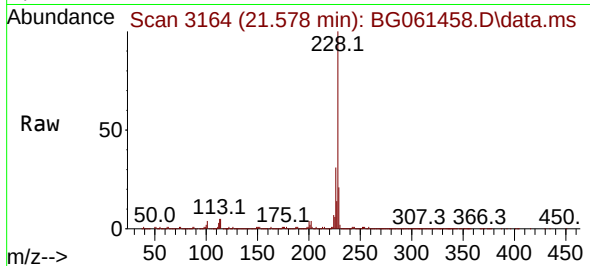
226 28.8 21.4 32.2





#87
Chrysene
Concen: 78.620 ng/ul
RT: 21.578 min Scan# 3164
Delta R.T. 0.025 min
Lab File: BG061458.D
Acq: 4 Jun 2024 16:53

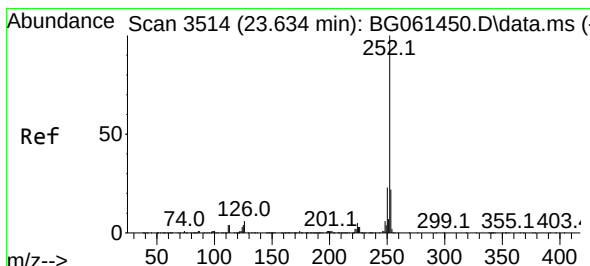
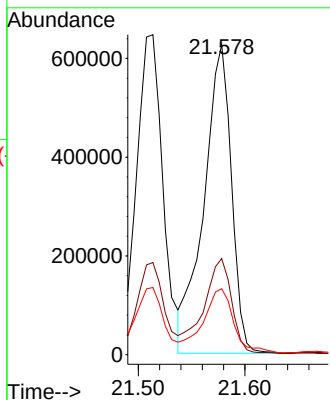
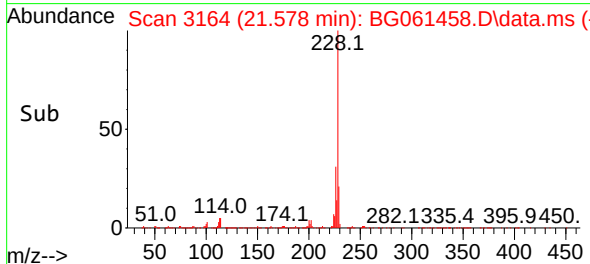
Instrument :
BNA_G
ClientSampleId :
BHBM6



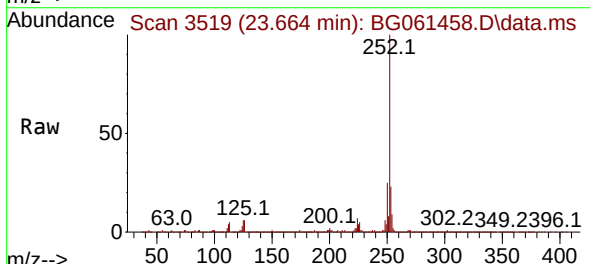
Tgt Ion:228 Resp: 1122744
Ion Ratio Lower Upper
228 100
226 31.0 23.4 35.0
229 21.3 15.4 23.2

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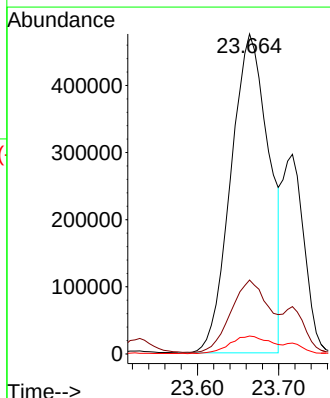
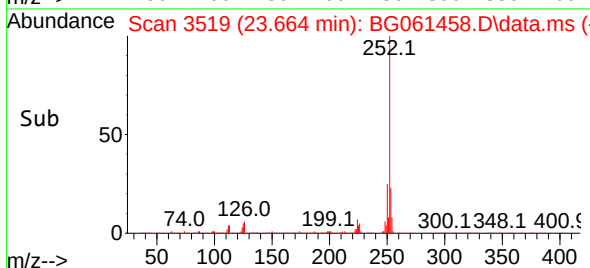
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

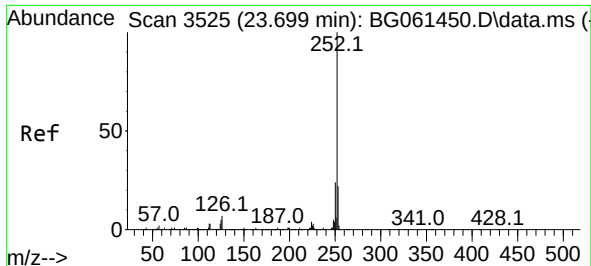


#90
Benzo(b)fluoranthene
Concen: 100.296 ng/ul
RT: 23.664 min Scan# 3519
Delta R.T. 0.049 min
Lab File: BG061458.D
Acq: 4 Jun 2024 16:53



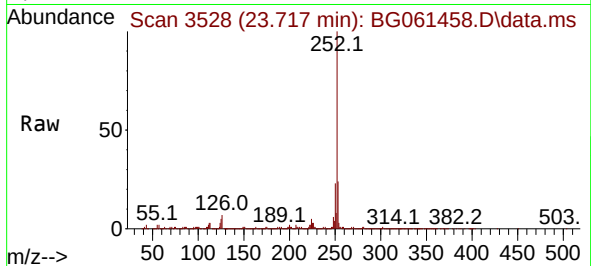
Tgt Ion:252 Resp: 1547790
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 5.6 4.6 6.8





#91
Benzo(k)fluoranthene
Concen: 35.185 ng/ul m
RT: 23.717 min Scan# 3525
Delta R.T. 0.037 min
Lab File: BG061458.D
Acq: 4 Jun 2024 16:53

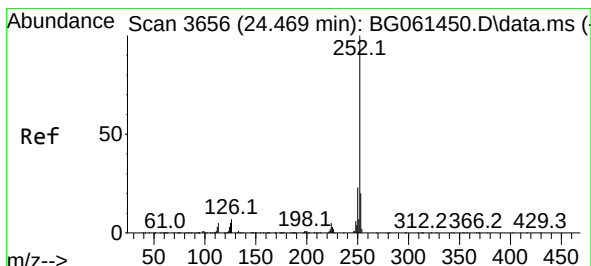
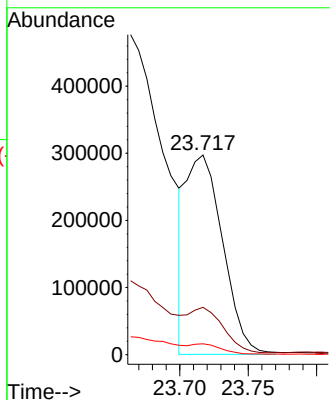
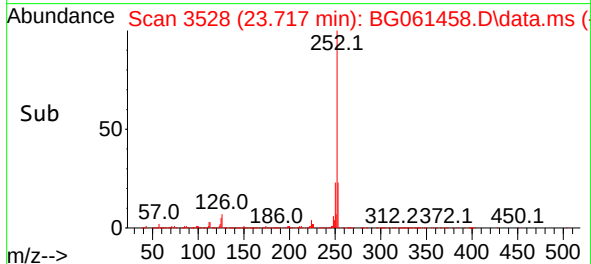
Instrument :
BNA_G
ClientSampleId :
BHBM6



Tgt Ion:252 Resp: 551214
Ion Ratio Lower Upper
252 100
253 23.7 16.0 24.0
125 5.5 4.3 6.5

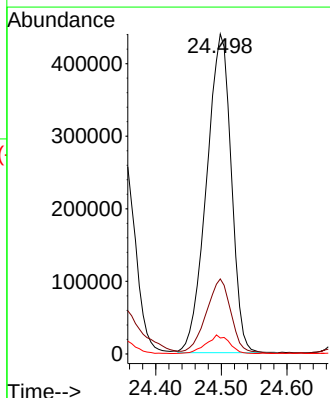
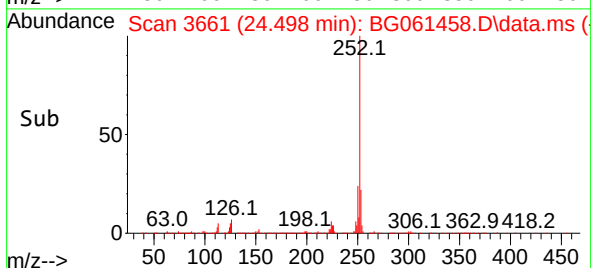
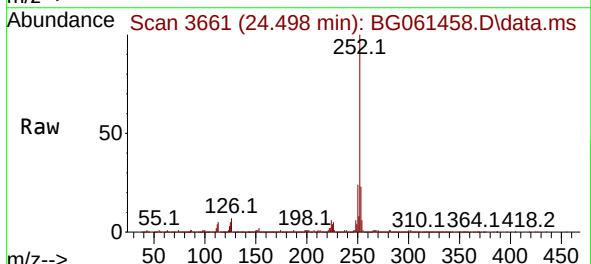
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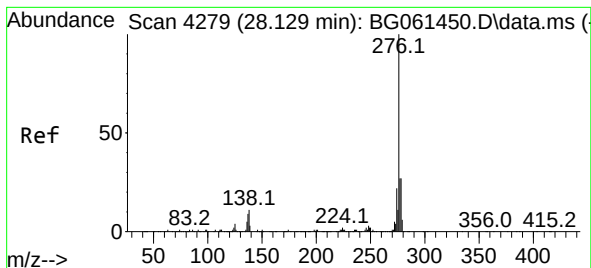
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#93
Benzo(a)pyrene
Concen: 78.307 ng/ul
RT: 24.498 min Scan# 3661
Delta R.T. 0.049 min
Lab File: BG061458.D
Acq: 4 Jun 2024 16:53

Tgt Ion:252 Resp: 1147503
Ion Ratio Lower Upper
252 100
253 23.5 16.4 24.6
125 5.0 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 46.145 ng/ul m

RT: 28.176 min Scan# 4287

Delta R.T. 0.084 min

Lab File: BG061458.D

Acq: 4 Jun 2024 16:53

Instrument :

BNA_G

ClientSampleId :

BHBM6

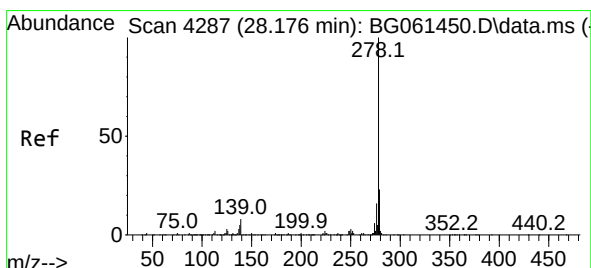
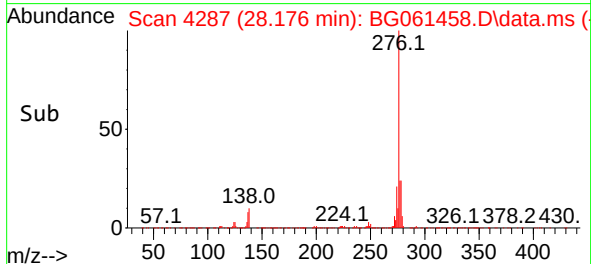
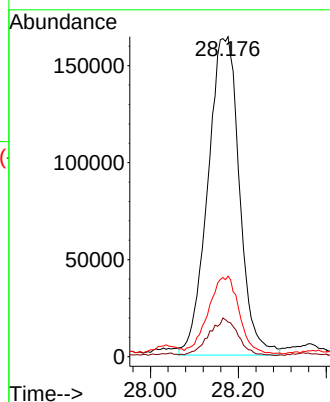
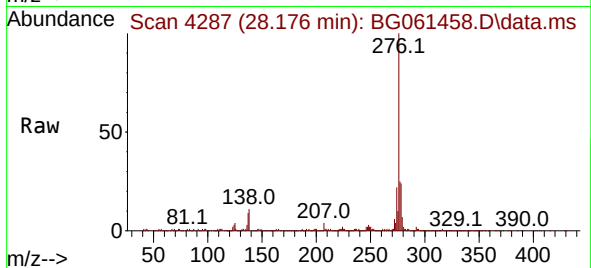
Tgt Ion:276 Resp: 817738

Ion	Ratio	Lower	Upper
276	100		
138	10.9	8.6	13.0
277	25.2	19.7	29.5

Manual Integrations

APPROVED

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



#95

Dibenzo(a,h)anthracene

Concen: 14.664 ng/ul m

RT: 28.200 min Scan# 4291

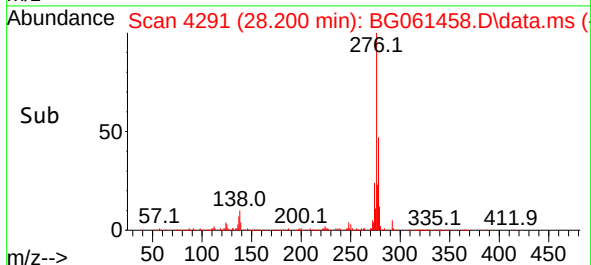
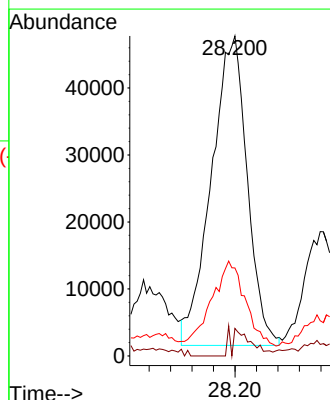
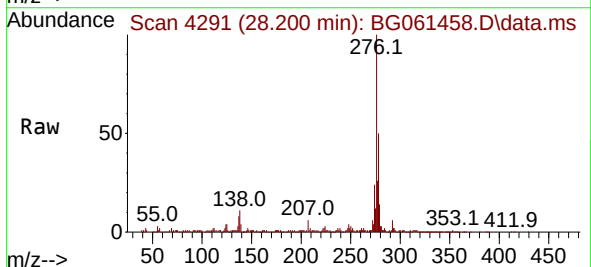
Delta R.T. 0.060 min

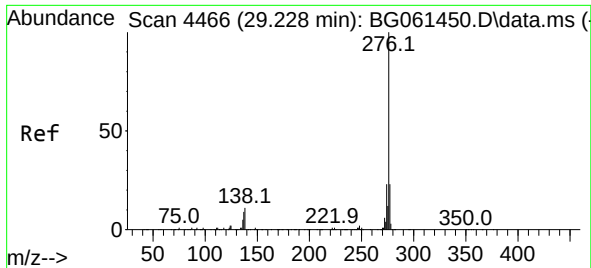
Lab File: BG061458.D

Acq: 4 Jun 2024 16:53

Tgt Ion:278 Resp: 214268

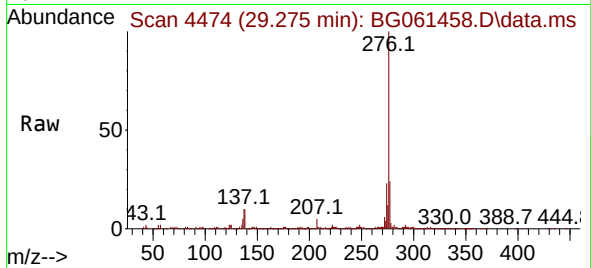
Ion	Ratio	Lower	Upper
278	100		
139	8.6	6.4	9.6
279	27.5	19.9	29.9





#96
 Benzo(g,h,i)perylene
 Concen: 46.334 ng/ul
 RT: 29.275 min Scan# 4466
 Delta R.T. 0.101 min
 Lab File: BG061458.D
 Acq: 4 Jun 2024 16:53

Instrument :
 BNA_G
 ClientSampleId :
 BHBM6



Tgt Ion:276 Resp: 65321
 Ion Ratio Lower Upper
 276 100
 138 10.4 8.7 13.1
 277 24.3 18.2 27.2

Manual Integrations
 APPROVED

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

