

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061495.D
 Acq On : 5 Jun 2024 20:40
 Operator : MA/JU
 Sample : P2623-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBR6

Manual Integrations
 APPROVED

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

Quant Time: Jun 05 23:10:50 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	7.876	152	29385	20.000	ng/u1	0.00
20) Naphthalene-d8	10.666	136	116656	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.509	164	73414	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.265	188	166637	20.000	ng/u1	0.00
79) Chrysene-d12	21.524	240	181253	20.000	ng/u1	0.01
88) Perylene-d12	24.621	264	206285	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.340	96	2078	3.957	ng/uL	0.00
4) Pyridine-d5	3.745	84	17310	9.266	ng/u1	0.00
7) Phenol-d5	7.065	99	51849	21.486	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.206	67	32668	21.538	ng/u1	0.00
11) 2-Chlorophenol-d4	7.417	132	42975	24.064	ng/u1	0.00
15) 4-Methylphenol-d8	8.598	113	39059	18.982	ng/u1	0.00
21) Nitrobenzene-d5	9.033	128	22475	25.023	ng/u1	0.00
24) 2-Nitrophenol-d4	9.756	143	26312	25.031	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.308	165	49873	24.337	ng/u1	0.00
31) 4-Chloroaniline-d4	10.813	131	26796	9.995	ng/u1	0.01
46) Dimethylphthalate-d6	13.916	166	164945	28.969	ng/u1	0.00
49) Acenaphthylene-d8	14.203	160	155845	26.327	ng/u1	0.00
54) 4-Nitrophenol-d4	14.762	143	13958m	19.828	ng/u1	0.02
60) Fluorene-d10	15.508	176	125646	25.560	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.655	200	15266	15.147	ng/u1	0.02
73) Anthracene-d10	17.364	188	203400	27.687	ng/u1	0.00
81) Pyrene-d10	19.656	212	230304	24.747	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.403	264	203199	20.489	ng/u1	0.02
Target Compounds						Qvalue
16) Acetophenone	8.698	105	5682	1.618	ng/u1	85
30) Naphthalene	10.719	128	36120	5.866	ng/u1	96
36) 2-Methylnaphthalene	12.329	142	13336	2.987	ng/u1	100
37) 1-Methylnaphthalene	12.547	142	10409	2.271	ng/u1#	92
43) 1,1'-Biphenyl	13.340	154	5867	1.236	ng/u1#	89
52) Acenaphthene	14.574	153	40439	9.391	ng/u1	98
56) Dibenzofuran	14.909	168	58196	9.452	ng/u1	99
61) Fluorene	15.561	166	53501	10.043	ng/u1	98
72) Phenanthrene	17.312	178	1047217	129.480	ng/u1	98
74) Anthracene	17.400	178	232211	27.768	ng/u1	99
77) Carbazole	17.670	167	100130	14.721	ng/u1	98
78) Di-n-butylphthalate	18.222	149	9804	1.150	ng/u1	97
80) Fluoranthene	19.333	202	1553955	139.188	ng/u1	99
82) Pyrene	19.691	202	1046085	90.268	ng/u1	99
85) Benzo(a)anthracene	21.507	228	802871	64.196	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.407	149	49662	8.428	ng/u1#	93
87) Chrysene	21.571	228	693472	60.219	ng/u1	98
90) Benzo(b)fluoranthene	23.645	252	867742	70.651	ng/u1	99
91) Benzo(k)fluoranthene	23.704	252	306716m	24.599	ng/u1	
93) Benzo(a)pyrene	24.480	252	355031	30.442	ng/u1	94
94) Indeno(1,2,3-cd)pyrene	28.134	276	244963	17.369	ng/u1	99
95) Dibenzo(a,h)anthracene	28.175	278	90430m	7.776	ng/u1	
96) Benzo(g,h,i)perylene	29.215	276	33852m	3.017	ng/u1	

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Quant Title : SVOA CALIBRATION
QLast Update : Thu May 30 22:54:48 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

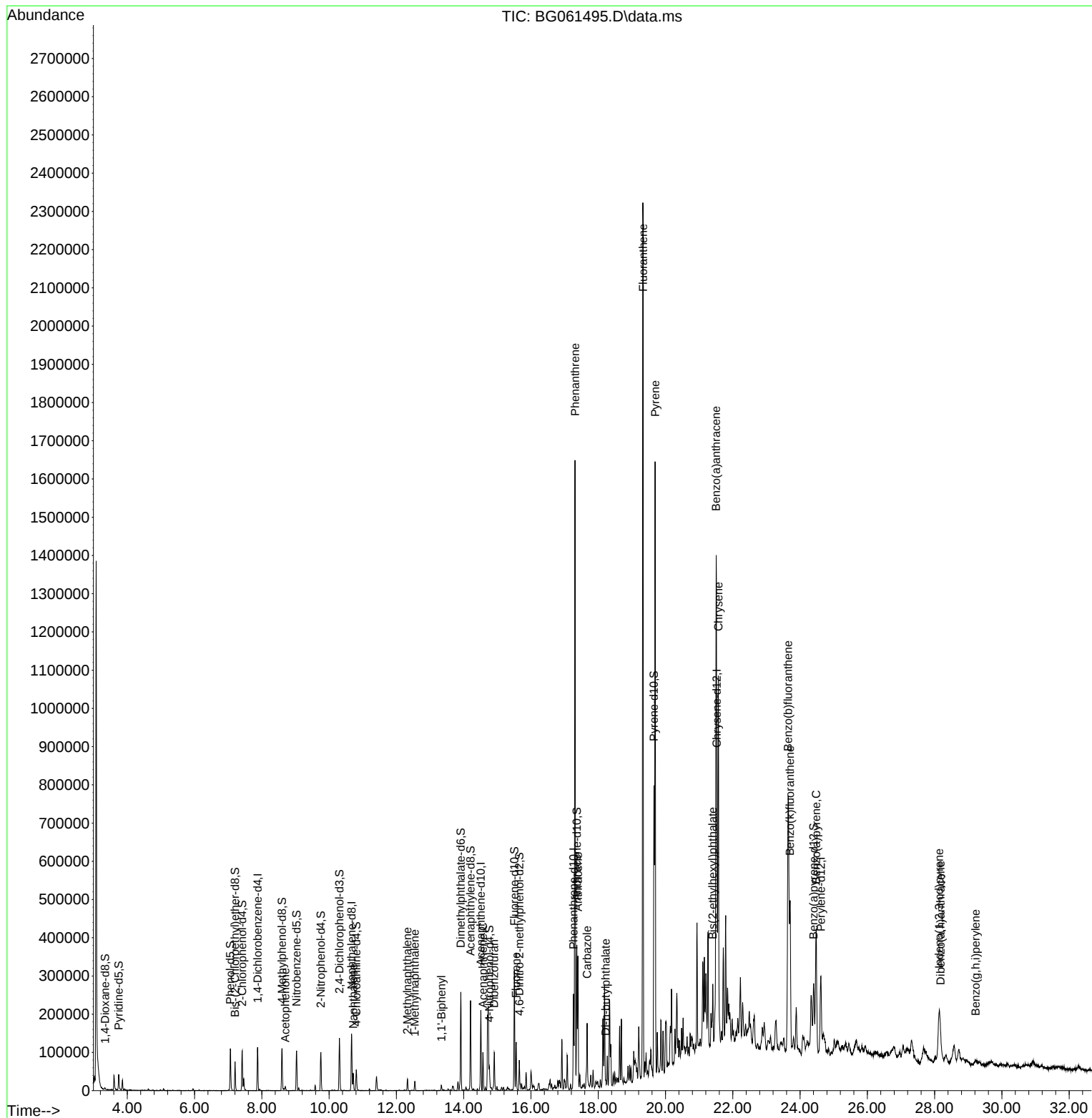
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 ALS Vial : 12 Sample Multiplier: 1

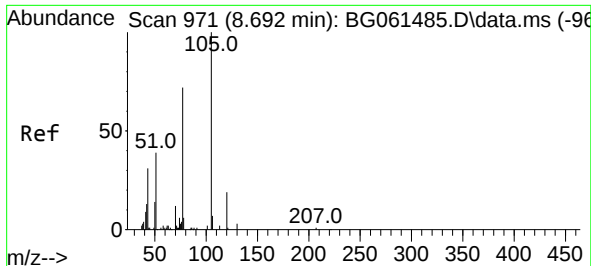
Instrument :
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Manual Integrations APPROVED

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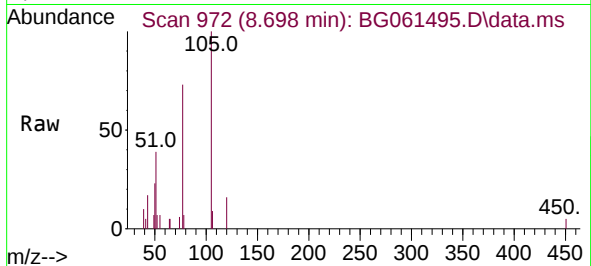
Quant Time: Jun 05 23:10:50 2024
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#16
Acetophenone
Concen: 1.618 ng/ul
RT: 8.698 min Scan# 91
Delta R.T. 0.006 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40

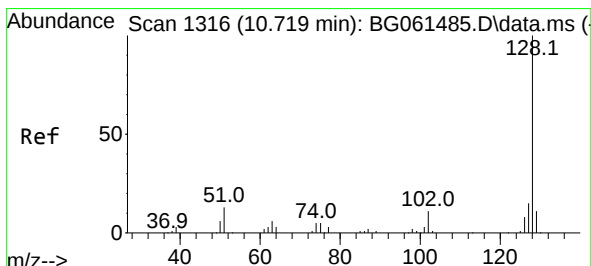
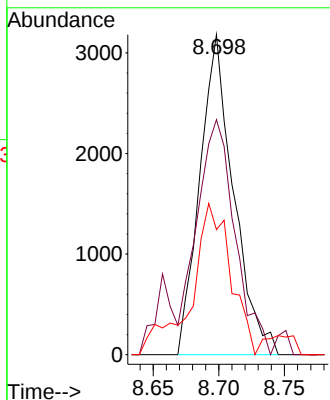
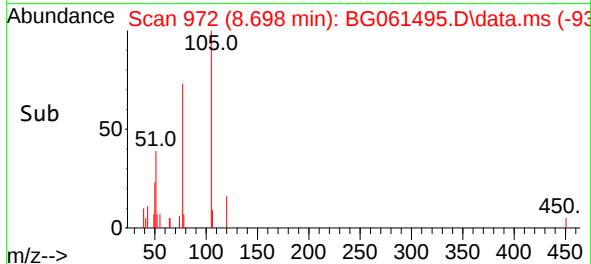
Instrument :
BNA_G
ClientSampleId :
BHBR6



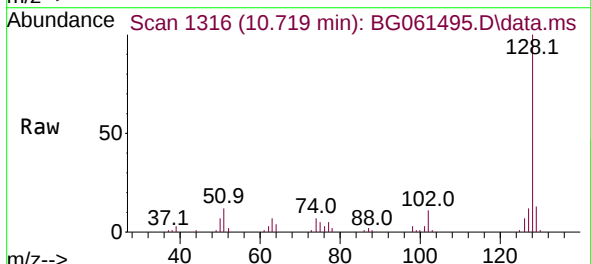
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Ion Ratio Lower Upper
105 100
77 73.5 70.4 105.6
51 39.1 38.4 57.6

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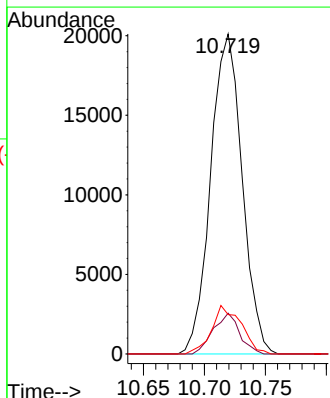
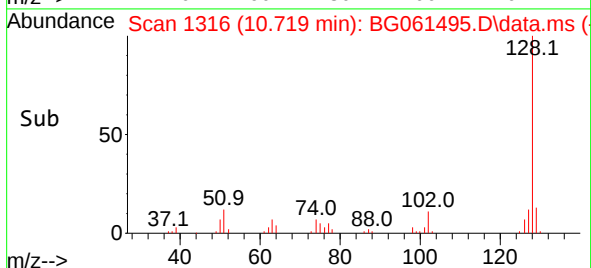
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024

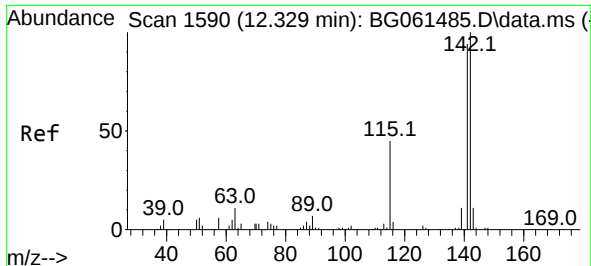


#30
Naphthalene
Concen: 5.866 ng/ul
RT: 10.719 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40



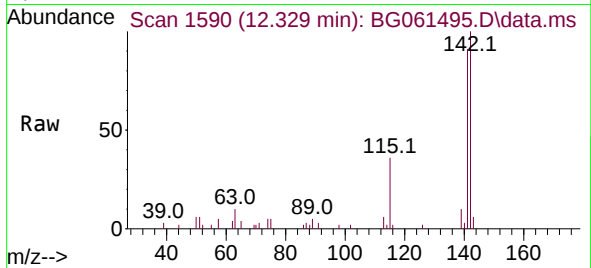
Tgt Ion:128 Resp: 36120
Ion Ratio Lower Upper
128 100
129 12.7 8.6 12.8
127 12.3 10.8 16.2





#36
2-Methylnaphthalene
Concen: 2.987 ng/ul
RT: 12.329 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40

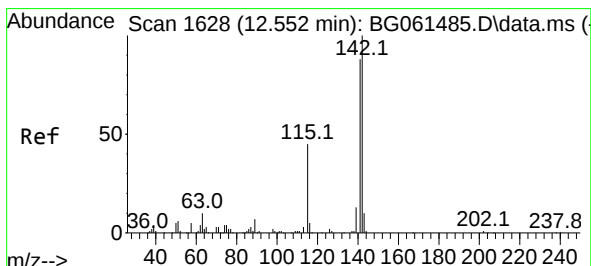
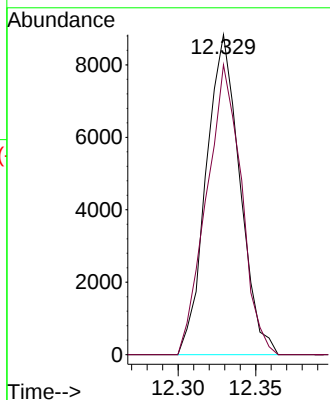
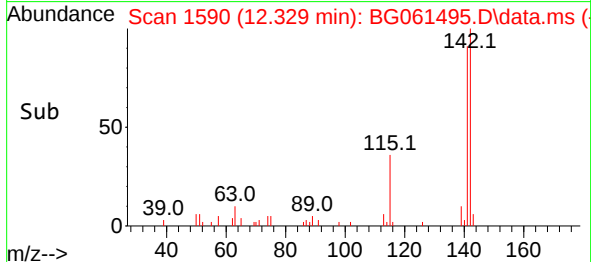
Instrument :
BNA_G
ClientSampleId :
BHBR6



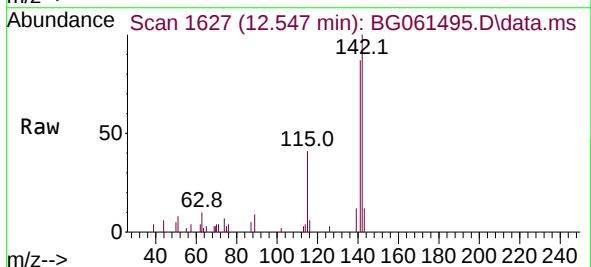
Tgt Ion:142 Resp: 13330
Ion Ratio Lower Upper
142 100
141 90.6 72.2 108.2

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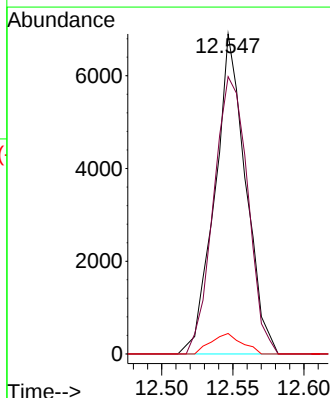
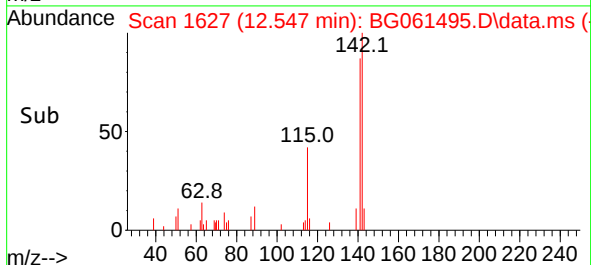
Reviewed By :Jagrut Upadhyay 06/06/2024
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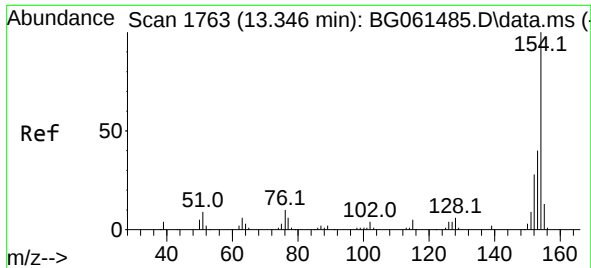


#37
1-Methylnaphthalene
Concen: 2.271 ng/ul
RT: 12.547 min Scan# 1627
Delta R.T. 0.000 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40



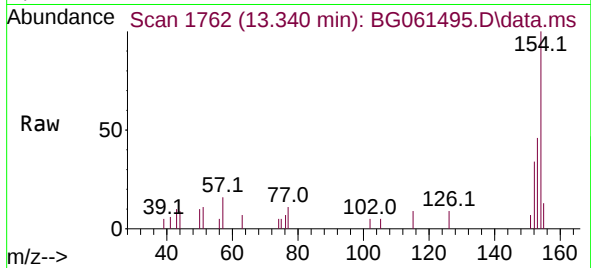
Tgt Ion:142 Resp: 10409
Ion Ratio Lower Upper
142 100
141 86.6 75.5 113.3
116 6.4 4.0 6.0#





#43
1,1'-Biphenyl
Concen: 1.236 ng/ul
RT: 13.340 min Scan# 1762
Delta R.T. 0.000 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40

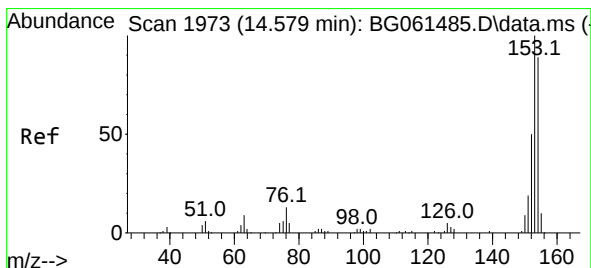
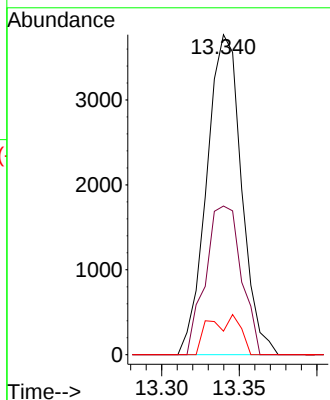
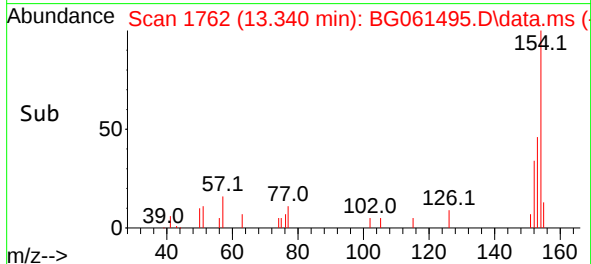
Instrument :
BNA_G
ClientSampleId :
BHBR6



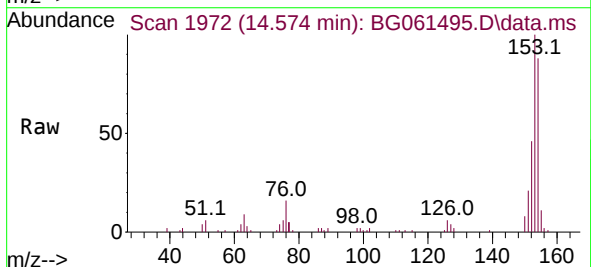
Tgt Ion:154 Resp: 586
Ion Ratio Lower Upper
154 100
153 46.4 31.2 46.8
76 7.3 8.5 12.7

Manual Integrations
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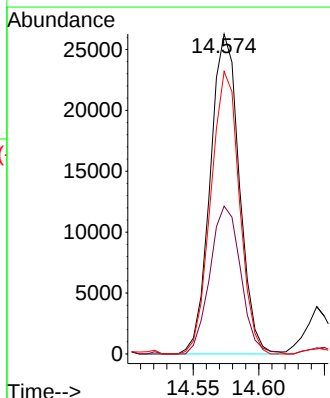
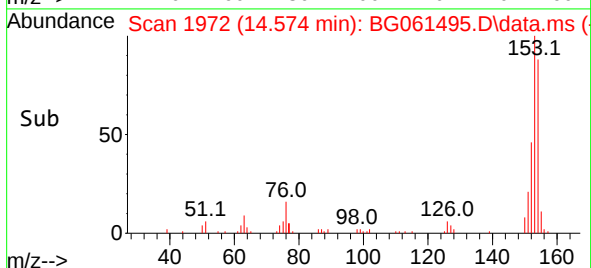
Reviewed By :Jagrut Upadhyay 06/06/2024
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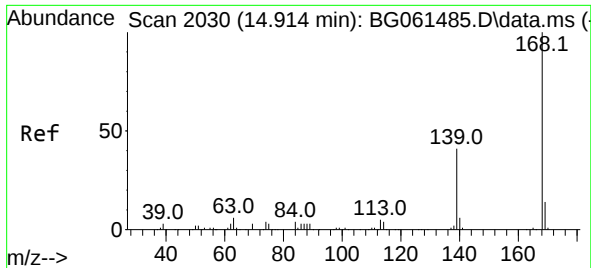


#52
Acenaphthene
Concen: 9.391 ng/ul
RT: 14.574 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40



Tgt Ion:153 Resp: 40439
Ion Ratio Lower Upper
153 100
152 46.2 37.8 56.8
154 88.3 69.0 103.6





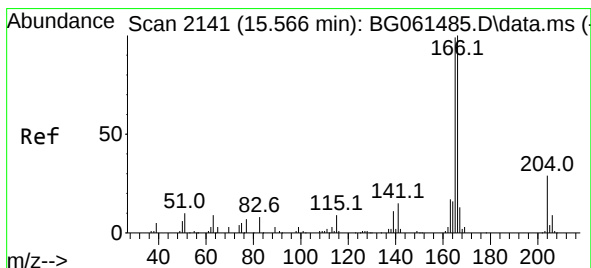
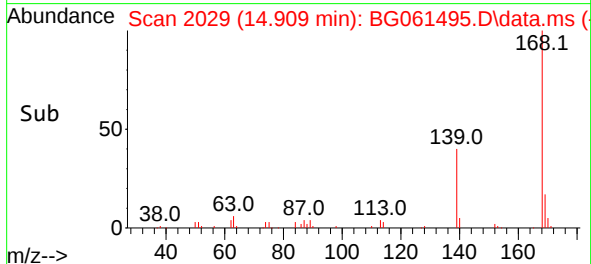
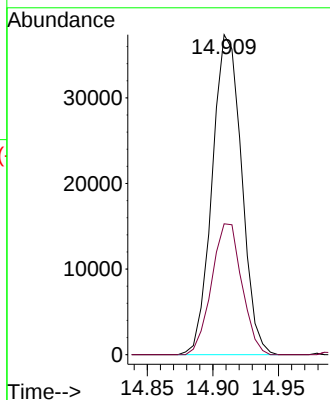
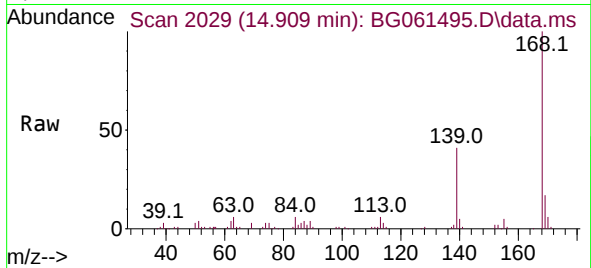
#56
Dibenzofuran
Concen: 9.452 ng/ul
RT: 14.909 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40

Instrument :
BNA_G
ClientSampleId :
BHBR6

Tgt Ion:168 Resp: 58190
Ion Ratio Lower Upper
168 100
139 40.9 33.4 50.2

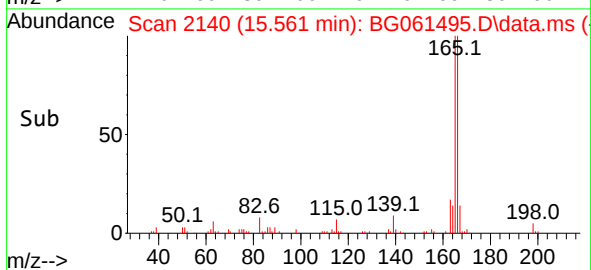
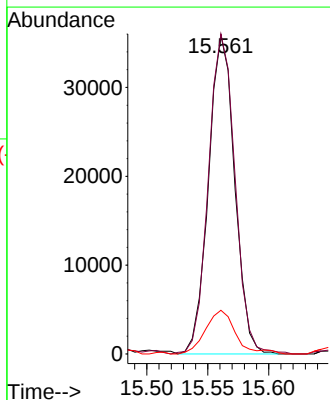
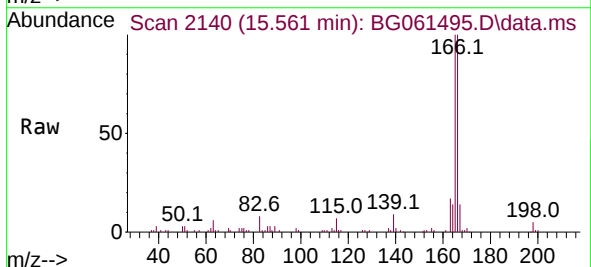
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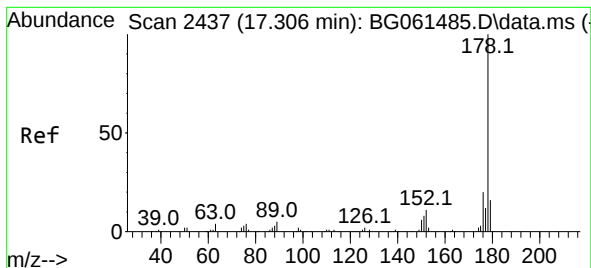
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#61
Fluorene
Concen: 10.043 ng/ul
RT: 15.561 min Scan# 2140
Delta R.T. 0.000 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40

Tgt Ion:166 Resp: 53501
Ion Ratio Lower Upper
166 100
165 100.4 81.8 122.8
167 13.7 10.6 16.0





#72

Phenanthrene

Concen: 129.480 ng/ul

RT: 17.312 min Scan# 2438

Delta R.T. 0.012 min

Lab File: BG061495.D

Acq: 5 Jun 2024 20:40

Instrument :

BNA_G

ClientSampleId :

BHBR6

Tgt Ion:178 Resp: 104721

Ion Ratio Lower Upper

178 100

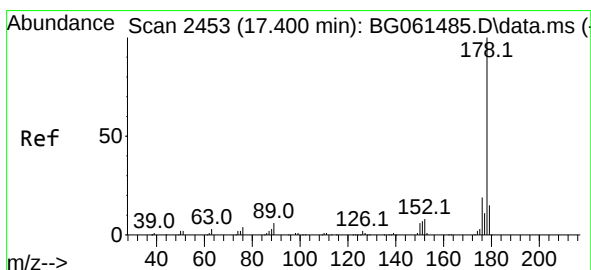
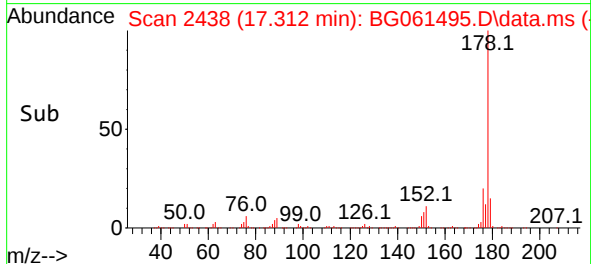
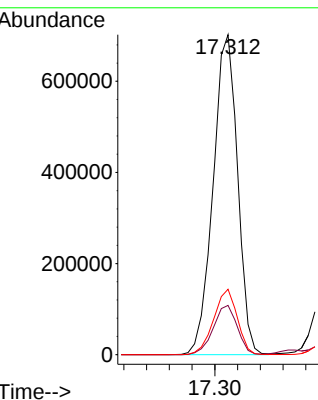
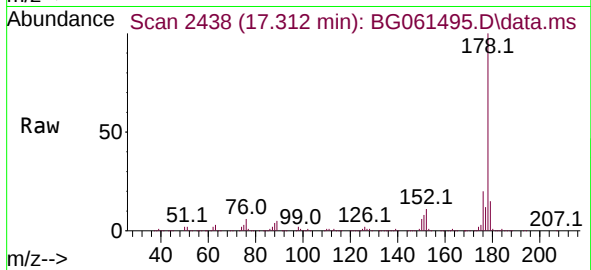
179 15.4 12.7 19.1

176 20.5 15.5 23.3

Manual Integrations

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#74

Anthracene

Concen: 27.768 ng/ul

RT: 17.400 min Scan# 2453

Delta R.T. 0.006 min

Lab File: BG061495.D

Acq: 5 Jun 2024 20:40

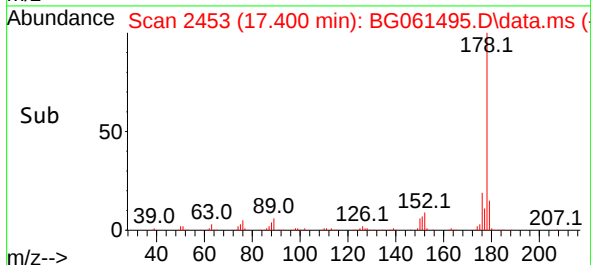
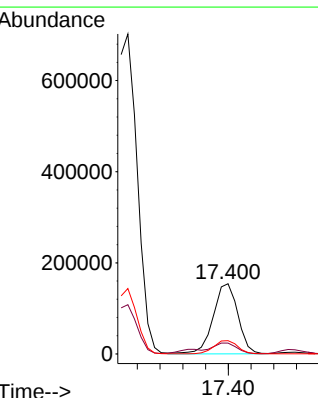
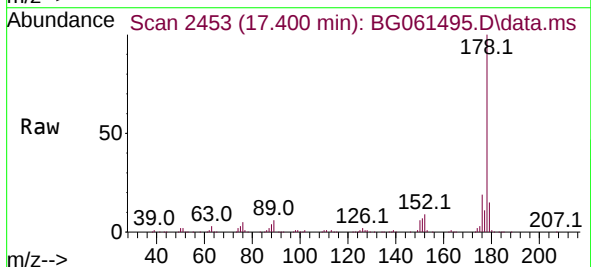
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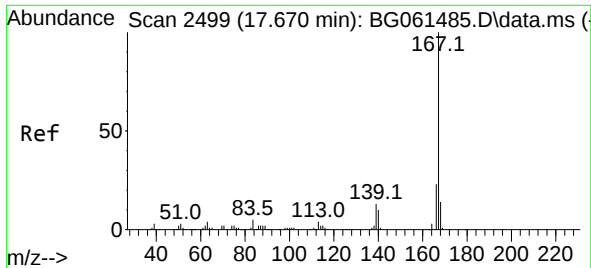
Ion Ratio Lower Upper

178 100

179 15.4 11.8 17.6

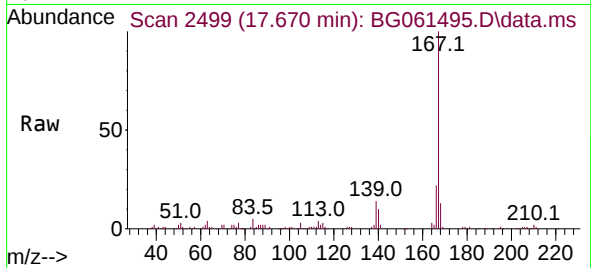
176 18.9 14.9 22.3





#77
 Carbazole
 Concen: 14.721 ng/ul
 RT: 17.670 min Scan# 2499
 Delta R.T. 0.006 min
 Lab File: BG061495.D
 Acq: 5 Jun 2024 20:40

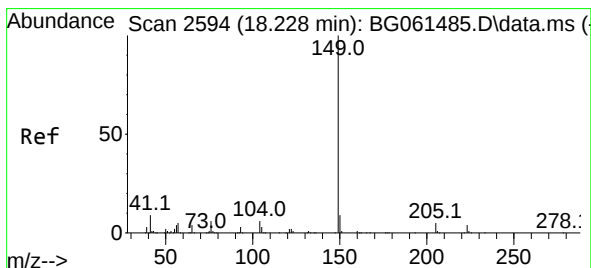
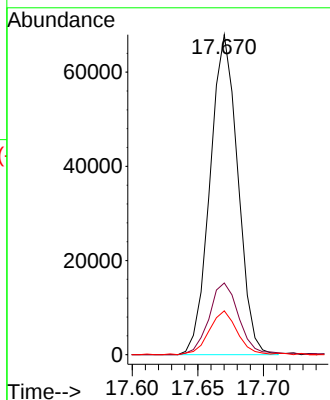
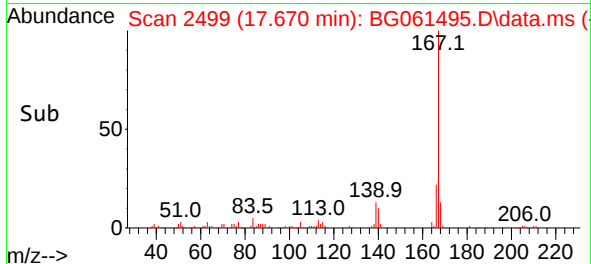
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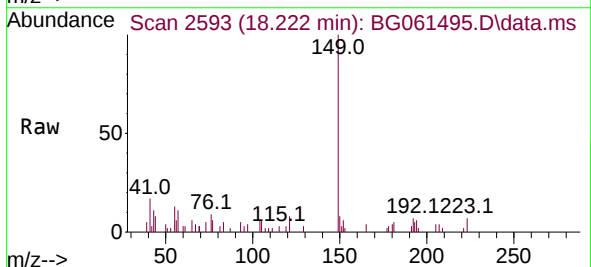
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 Ion Ratio Lower Upper
 167 100
 166 22.4 18.6 28.0
 139 13.7 10.6 15.8

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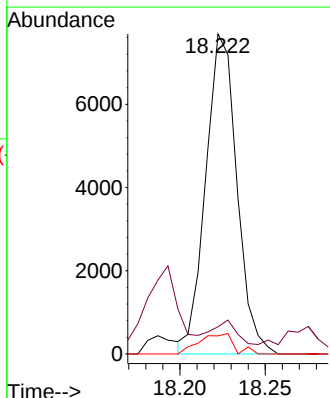
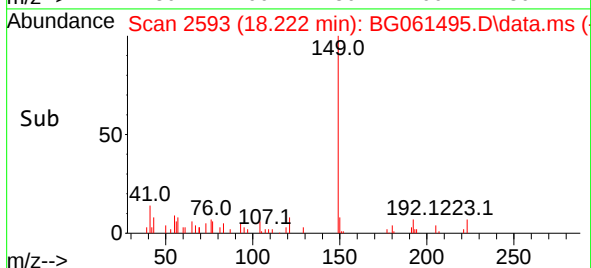
Reviewed By :Jagrut Upadhyay 06/06/2024
 Supervised By :mohammad ahmed 06/07/2024

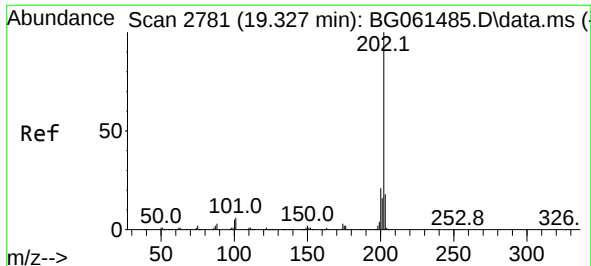


#78
 Di-n-butylphthalate
 Concen: 1.150 ng/ul
 RT: 18.222 min Scan# 2593
 Delta R.T. 0.000 min
 Lab File: BG061495.D
 Acq: 5 Jun 2024 20:40



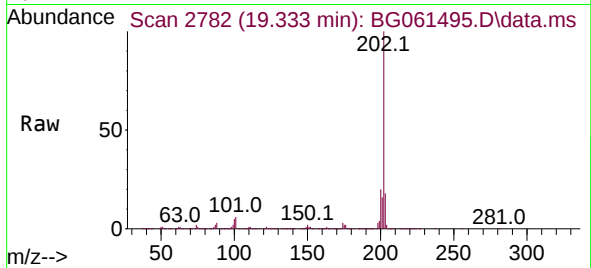
Tgt Ion:149 Resp: 9804
 Ion Ratio Lower Upper
 149 100
 150 8.5 7.8 11.8
 104 5.7 4.8 7.2





#80
Fluoranthene
Concen: 139.188 ng/ul
RT: 19.333 min Scan# 21
Delta R.T. 0.018 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40

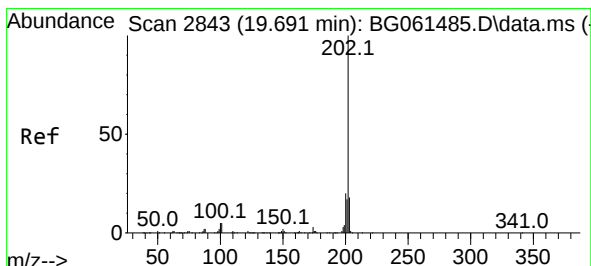
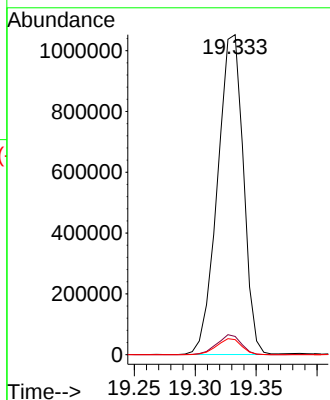
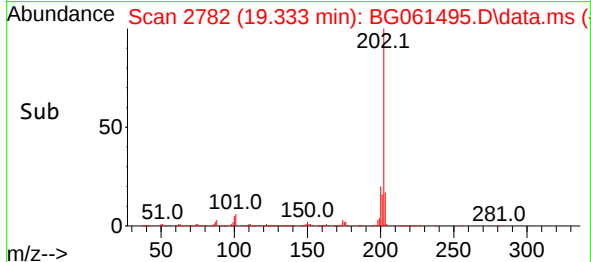
Instrument :
BNA_G
ClientSampleId :
BHBR6



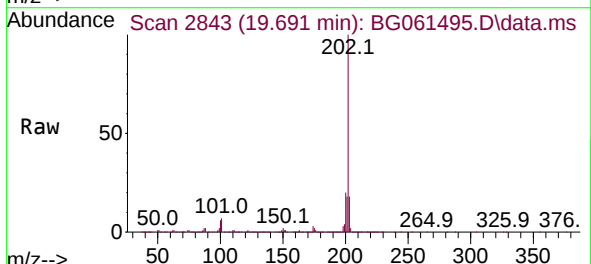
Tgt Ion:202 Resp: 155395
Ion Ratio Lower Upper
202 100
101 5.7 4.8 7.2
100 4.7 4.1 6.1

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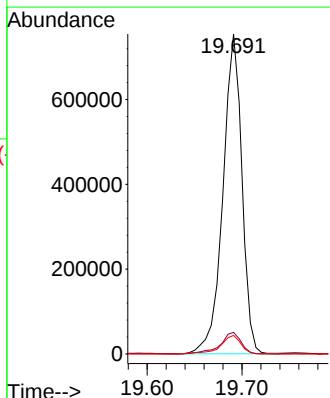
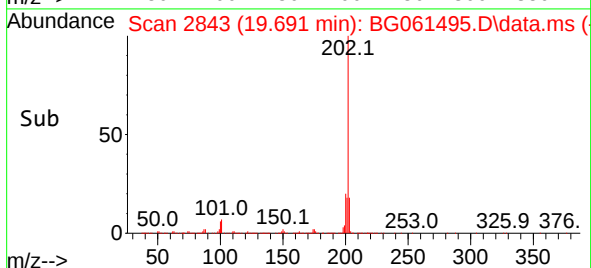
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024

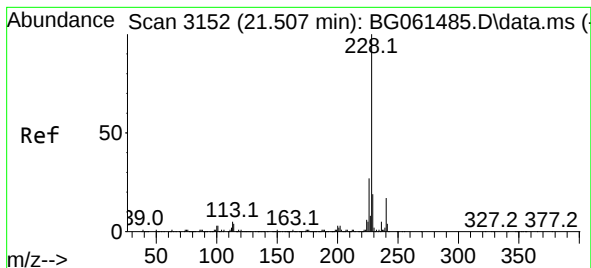


#82
Pyrene
Concen: 90.268 ng/ul
RT: 19.691 min Scan# 2843
Delta R.T. 0.012 min
Lab File: BG061495.D
Acq: 5 Jun 2024 20:40



Tgt Ion:202 Resp: 1046085
Ion Ratio Lower Upper
202 100
101 6.8 5.7 8.5
100 5.8 5.1 7.7





#85

Benzo(a)anthracene

Concen: 64.196 ng/ul

RT: 21.507 min Scan# 3152

Delta R.T. 0.012 min

Lab File: BG061495.D

Acq: 5 Jun 2024 20:40

Instrument :

BNA_G

ClientSampleId :

BHBR6

Tgt Ion:228 Resp: 80287

Ion Ratio Lower Upper

228 100

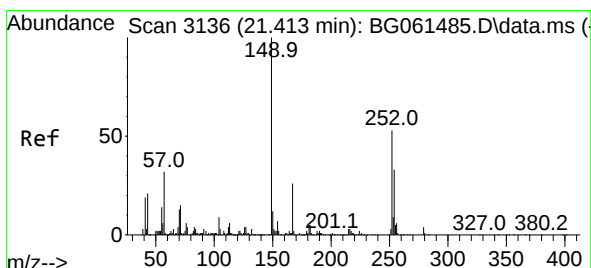
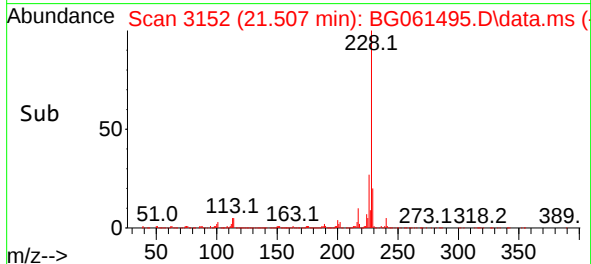
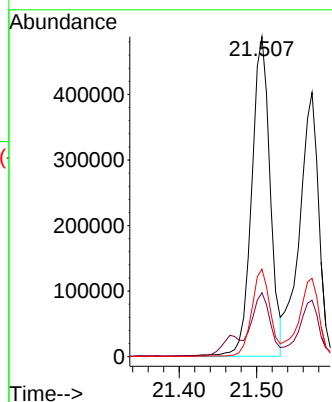
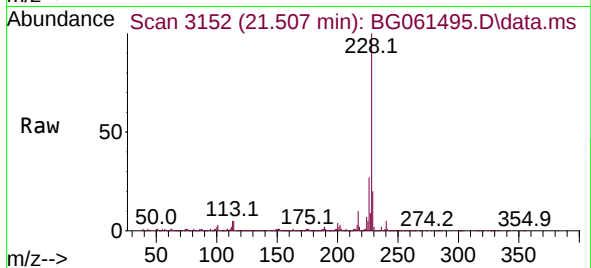
229 20.0 15.2 22.8

226 27.3 21.4 32.2

Manual Integrations

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



#86

Bis(2-ethylhexyl)phthalate

Concen: 8.428 ng/ul

RT: 21.407 min Scan# 3135

Delta R.T. 0.000 min

Lab File: BG061495.D

Acq: 5 Jun 2024 20:40

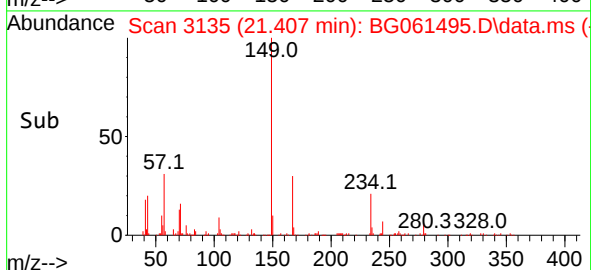
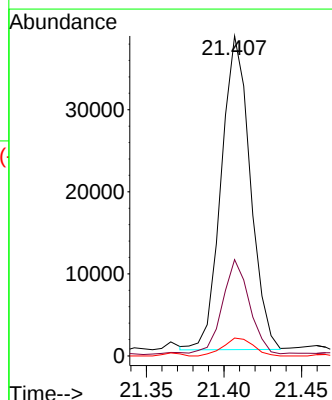
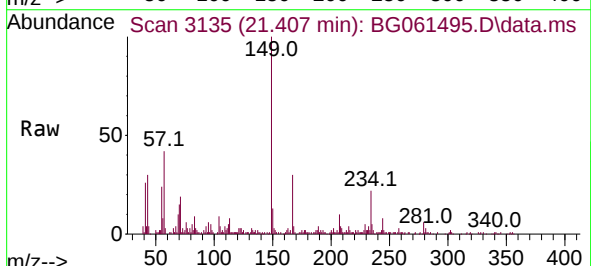
Tgt Ion:149 Resp: 49662

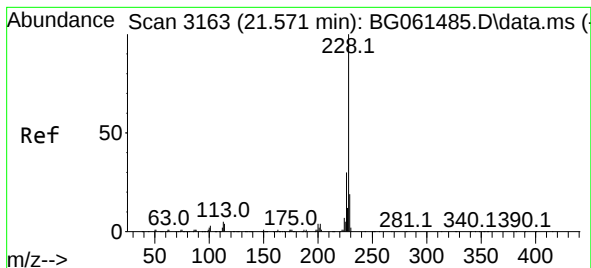
Ion Ratio Lower Upper

149 100

167 30.1 21.1 31.7

279 5.6 3.3 4.9#





#87

Chrysene

Concen: 60.219 ng/ul

RT: 21.571 min Scan# 3163

Delta R.T. 0.018 min

Lab File: BG061495.D

Acq: 5 Jun 2024 20:40

Instrument :

BNA_G

ClientSampleId :

BHBR6

Tgt Ion:228 Resp: 693472

Ion Ratio Lower Upper

228 100

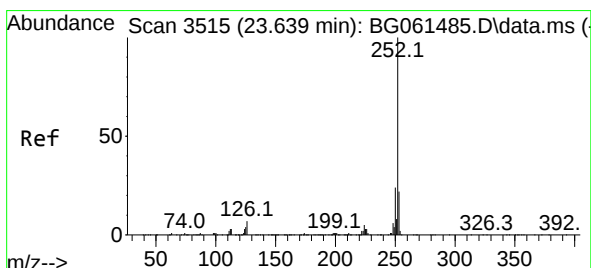
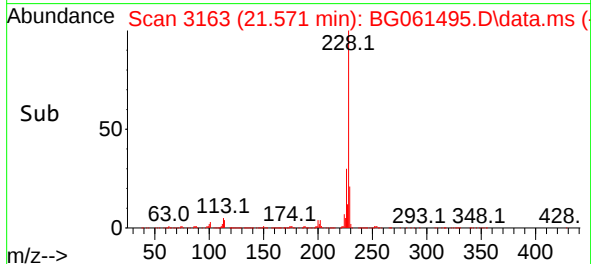
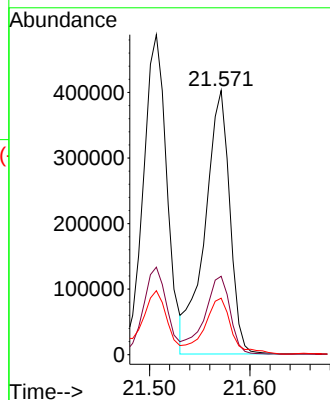
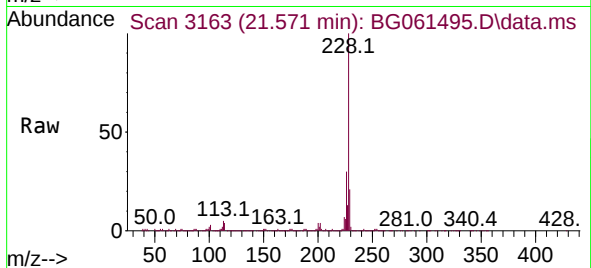
226 29.7 23.4 35.0

229 21.4 15.4 23.2

Manual Integrations

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



#90

Benzo(b)fluoranthene

Concen: 70.651 ng/ul

RT: 23.645 min Scan# 3516

Delta R.T. 0.030 min

Lab File: BG061495.D

Acq: 5 Jun 2024 20:40

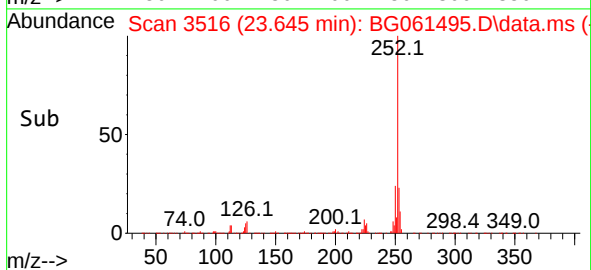
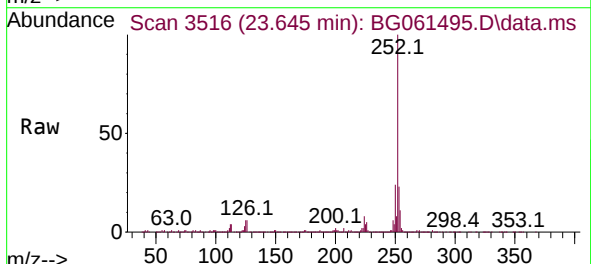
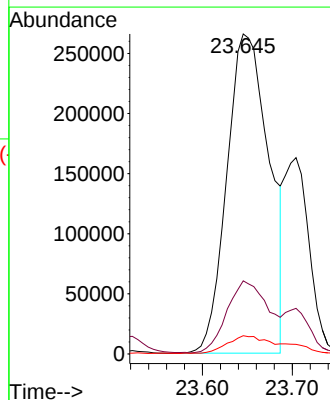
Tgt Ion:252 Resp: 867742

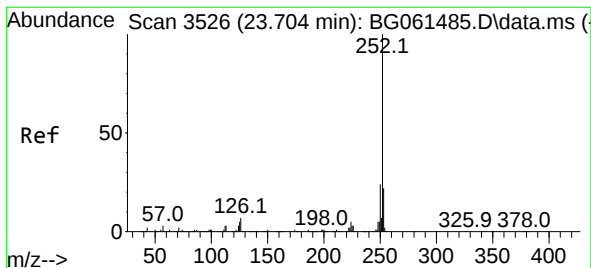
Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

125 5.7 4.6 6.8





#91

Benzo(k)fluoranthene

Concen: 24.599 ng/ul m

RT: 23.704 min Scan# 3

Delta R.T. 0.024 min

Lab File: BG061495.D

Acq: 5 Jun 2024 20:40

Instrument :

BNA_G

ClientSampleId :

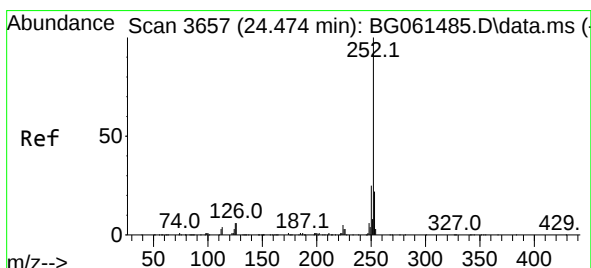
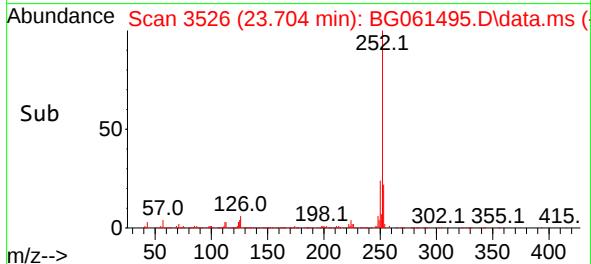
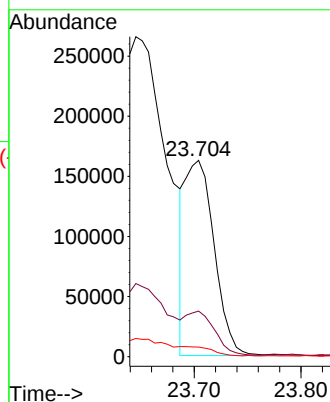
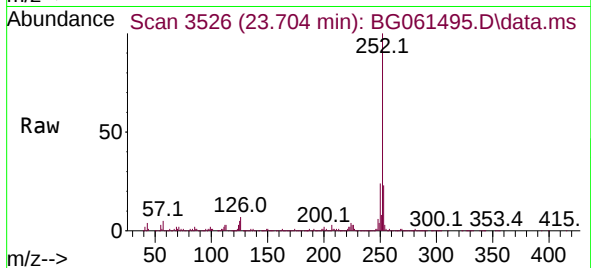
BHBR6

Tgt Ion:252 Resp: 306710
 Ion Ratio Lower Upper
 252 100
 253 23.2 16.0 24.0
 125 4.9 4.3 6.5

Manual Integrations

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 Supervised By :mohammad ahmed 06/07/2024



#93

Benzo(a)pyrene

Concen: 30.442 ng/ul

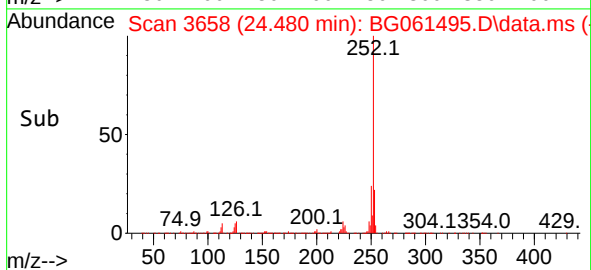
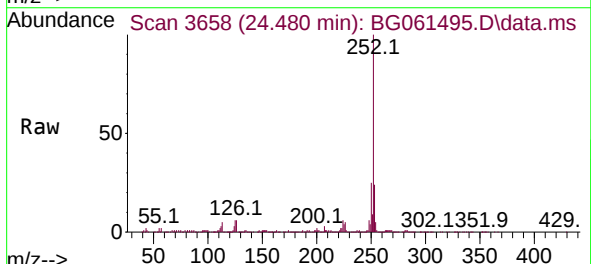
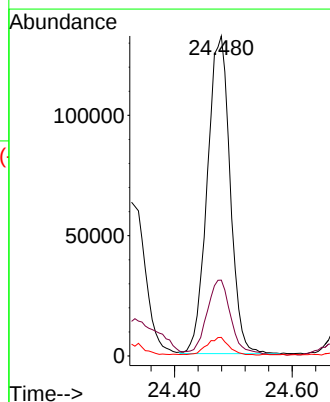
RT: 24.480 min Scan# 3658

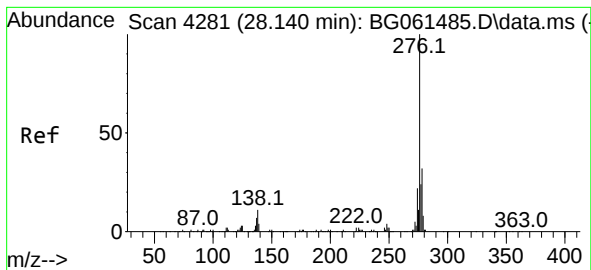
Delta R.T. 0.030 min

Lab File: BG061495.D

Acq: 5 Jun 2024 20:40

Tgt Ion:252 Resp: 355031
 Ion Ratio Lower Upper
 252 100
 253 23.7 16.4 24.6
 125 5.8 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 17.369 ng/ul

RT: 28.134 min Scan# 4281

Delta R.T. 0.042 min

Lab File: BG061495.D

Acq: 5 Jun 2024 20:40

Instrument :

BNA_G

ClientSampleId :

BHBR6

Tgt Ion:276 Resp: 24496

Ion Ratio Lower Upper

276 100

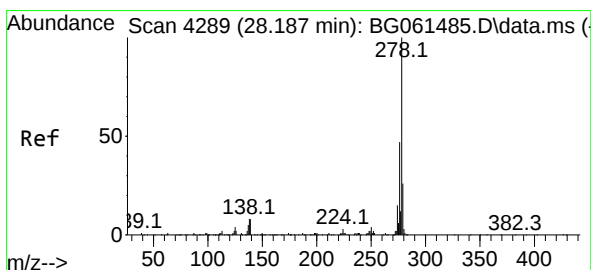
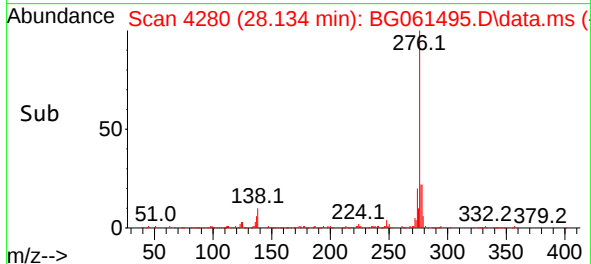
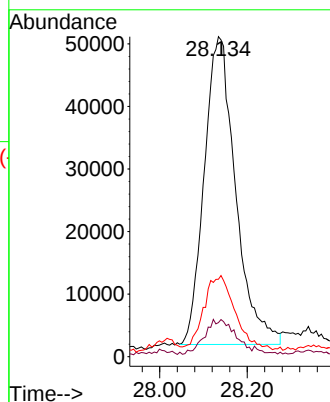
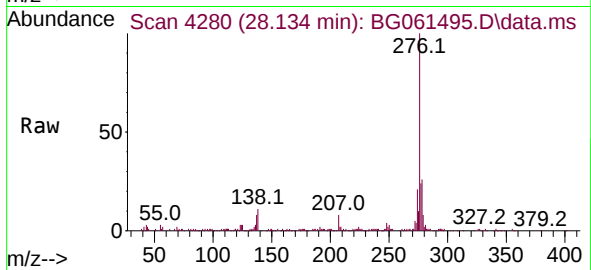
138 10.6 8.6 13.0

277 24.2 19.7 29.5

Manual Integrations

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



#95

Dibenzo(a,h)anthracene

Concen: 7.776 ng/ul m

RT: 28.175 min Scan# 4287

Delta R.T. 0.036 min

Lab File: BG061495.D

Acq: 5 Jun 2024 20:40

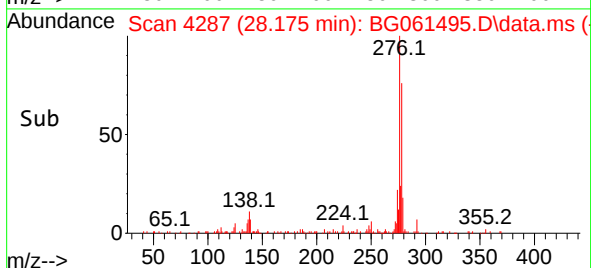
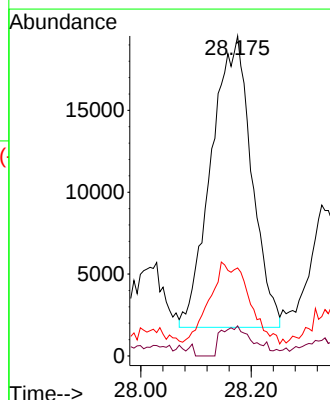
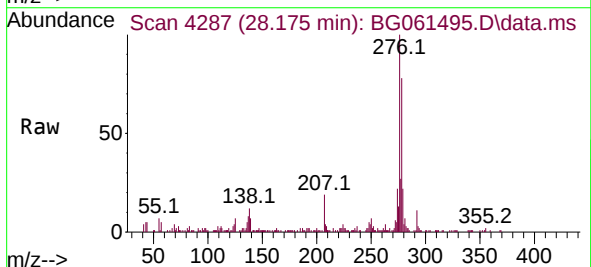
Tgt Ion:278 Resp: 90430

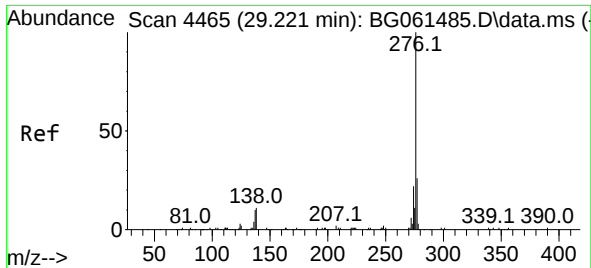
Ion Ratio Lower Upper

278 100

139 9.4 6.4 9.6

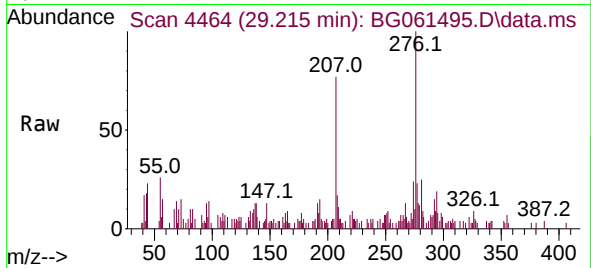
279 27.5 19.9 29.9





#96
 Benzo(g,h,i)perylene
 Concen: 3.017 ng/ul m
 RT: 29.215 min Scan# 44
 Delta R.T. 0.042 min
 Lab File: BG061495.D
 Acq: 5 Jun 2024 20:40

Instrument :
 BNA_G
 ClientSampleId :
 BHBR6



Tgt Ion:276 Resp: 3385
 Ion Ratio Lower Upper
 276 100
 138 13.1 8.7 13.1
 277 23.4 18.2 27.2

Manual Integrations
 APPROVED

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

