

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
 Data File : BG061446.D
 Acq On : 4 Jun 2024 7:11
 Operator : MA/JU
 Sample : P2577-18
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBW4

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024
 Supervised By :mohammad ahmed 06/05/2024

Quant Time: Jun 04 07:49:38 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	41782	20.000	ng/u1	0.00
20) Naphthalene-d8	10.673	136	158883	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.515	164	117906	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.265	188	268277	20.000	ng/u1	0.00
79) Chrysene-d12	21.530	240	286899	20.000	ng/u1	0.02
88) Perylene-d12	24.627	264	313391	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.340	96	3657	4.898	ng/uL	0.00
4) Pyridine-d5	3.751	84	26144	9.843	ng/u1	0.01
7) Phenol-d5	7.071	99	80303	23.404	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.206	67	49447	22.928	ng/u1	0.00
11) 2-Chlorophenol-d4	7.418	132	65427	25.765	ng/u1	0.00
15) 4-Methylphenol-d8	8.599	113	64285	21.972	ng/u1	0.00
21) Nitrobenzene-d5	9.033	128	33244	27.176	ng/u1	0.00
24) 2-Nitrophenol-d4	9.756	143	37623	26.279	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.308	165	77090	27.620	ng/u1	0.00
31) 4-Chloroaniline-d4	10.814	131	41988	11.499	ng/u1	0.01
46) Dimethylphthalate-d6	13.922	166	242677	26.538	ng/u1	0.00
49) Acenaphthylene-d8	14.204	160	266003	27.980	ng/u1	0.00
54) 4-Nitrophenol-d4	14.762	143	25655m	22.692	ng/u1	0.02
60) Fluorene-d10	15.508	176	212185	26.876	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.655	200	22402	13.806	ng/u1	0.02
73) Anthracene-d10	17.365	188	348903	29.499	ng/u1	0.00
81) Pyrene-d10	19.662	212	388226	26.354	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.415	264	333509	22.136	ng/u1	0.03
Target Compounds						
					Qvalue	
30) Naphthalene	10.720	128	9913	1.182	ng/u1	96
52) Acenaphthene	14.574	153	19231	2.781	ng/u1	90
56) Dibenzofuran	14.909	168	10495	1.061	ng/u1	99
61) Fluorene	15.567	166	18721	2.188	ng/u1	91
72) Phenanthrene	17.306	178	586775	45.064	ng/u1	100
74) Anthracene	17.400	178	80089	5.949	ng/u1	99
77) Carbazole	17.670	167	57438	5.245	ng/u1	98
78) Di-n-butylphthalate	18.223	149	76746	5.593	ng/u1	99
80) Fluoranthene	19.333	202	1873752	106.031	ng/u1	99
82) Pyrene	19.691	202	1500767	81.815	ng/u1	100
83) Butylbenzylphthalate	20.579	149	301581	47.859	ng/u1	98
85) Benzo(a)anthracene	21.507	228	1074509	54.279	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.448	149	8259198	885.463	ng/u1#	57
87) Chrysene	21.572	228	1140858	62.588	ng/u1	97
89) Di-n-octyl phthalate	22.547	149	72923m	4.651	ng/u1	
90) Benzo(b)fluoranthene	23.663	252	1609545	86.260	ng/u1	99
91) Benzo(k)fluoranthene	23.716	252	591119m	31.206	ng/u1	
93) Benzo(a)pyrene	24.486	252	650487	36.713	ng/u1	94
94) Indeno(1,2,3-cd)pyrene	28.152	276	467441	21.816	ng/u1	97
95) Dibenzo(a,h)anthracene	28.187	278	136806m	7.743	ng/u1	
96) Benzo(g,h,i)perylene	29.251	276	53451m	3.136	ng/u1	

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

Instrument :

BNA_G

ClientSampleId :

BHBW4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024

Supervised By :mohammad ahmed 06/05/2024

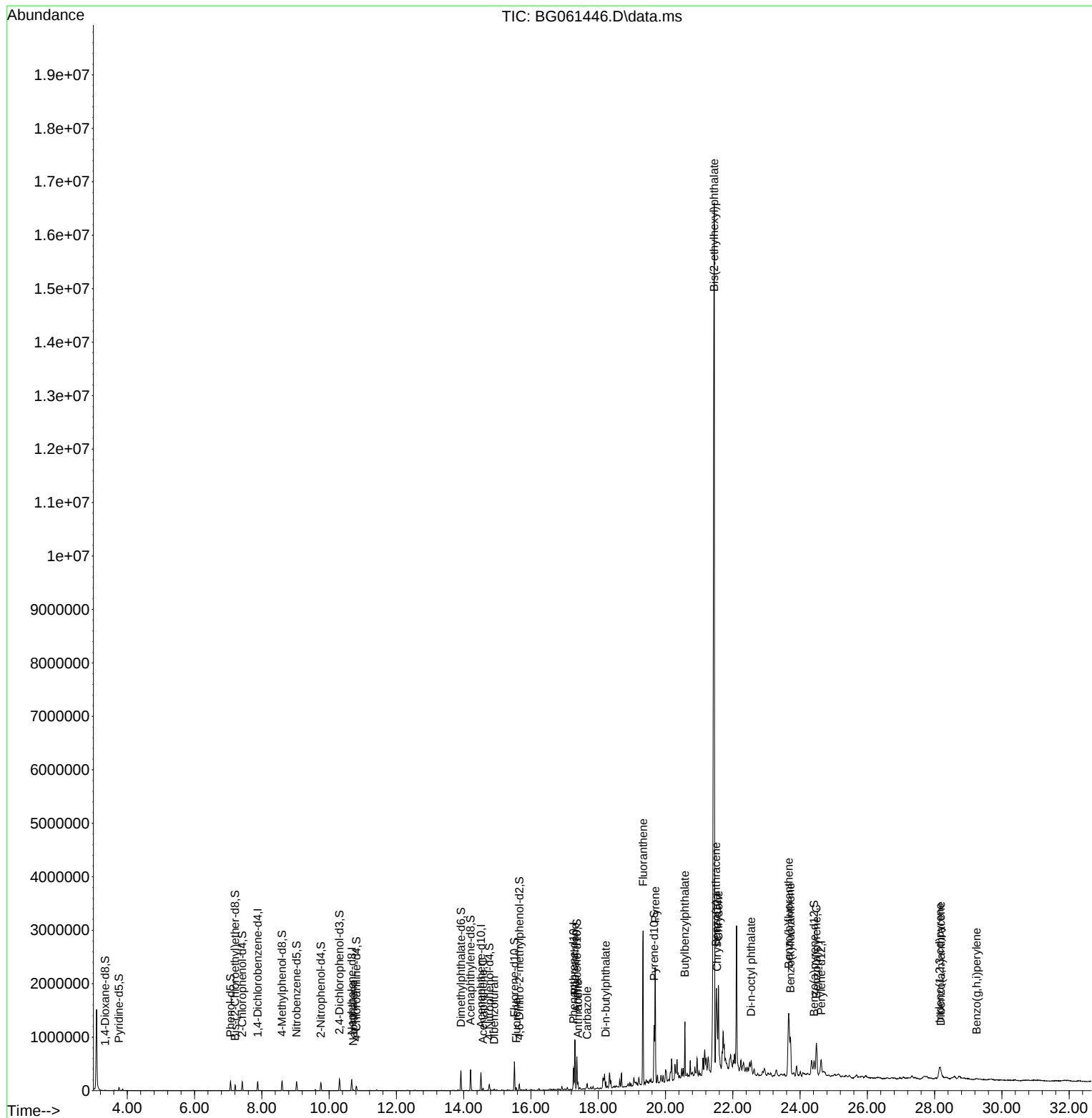
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
Data File : BG061446.D
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Operator : MA/JU
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ALS Vial : 30 Sample Multiplier: 1

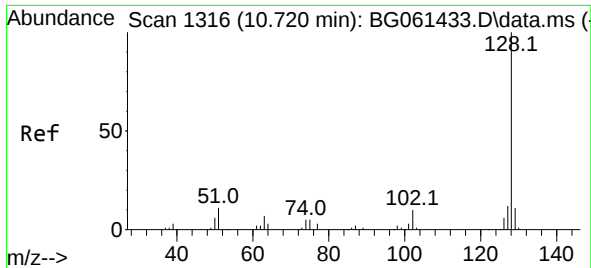
Instrument :
BNA_G
ClientSampleId :
BHBW4

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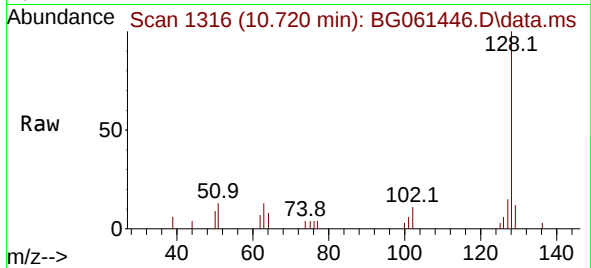
Quant Time: Jun 04 07:49:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 30 22:54:48 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 1.182 ng/ul
RT: 10.720 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG061446.D
Acq: 4 Jun 2024 7:11

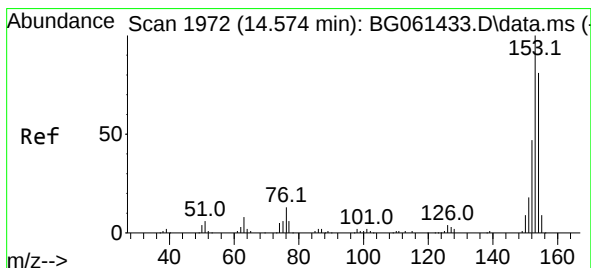
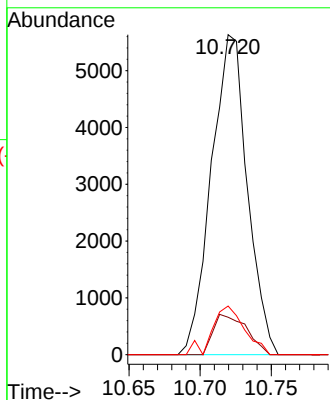
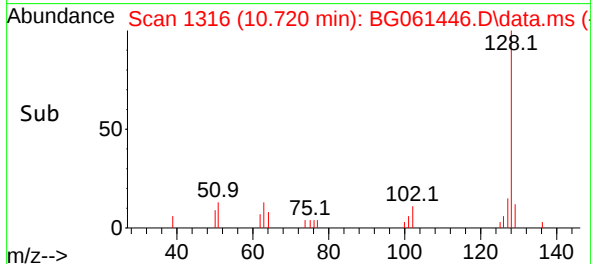
Instrument :
BNA_G
ClientSampleId :
BHBW4



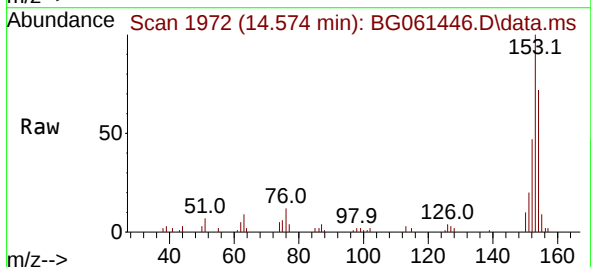
Tgt Ion:128 Resp: 991
Ion Ratio Lower Upper
128 100
129 11.7 8.6 12.8
127 15.2 10.8 16.2

Manual Integrations
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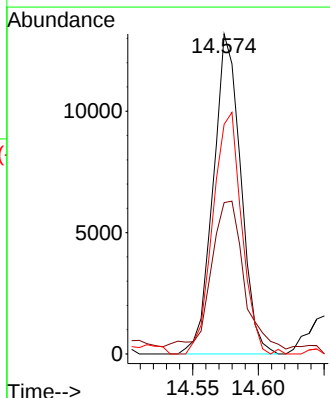
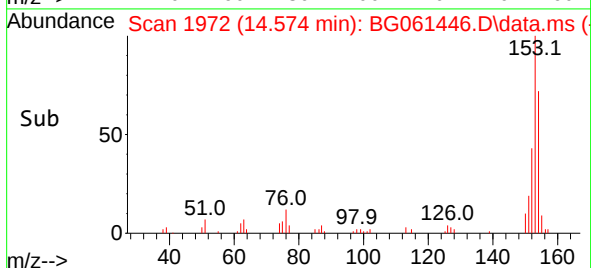
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

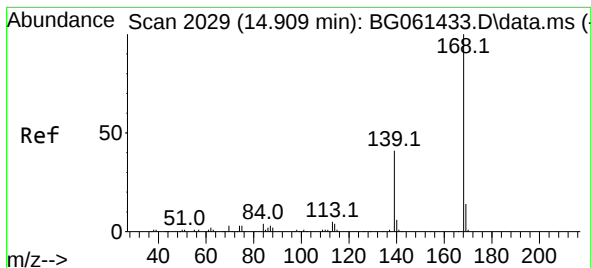


#52
Acenaphthene
Concen: 2.781 ng/ul
RT: 14.574 min Scan# 1972
Delta R.T. 0.001 min
Lab File: BG061446.D
Acq: 4 Jun 2024 7:11



Tgt Ion:153 Resp: 19231
Ion Ratio Lower Upper
153 100
152 47.3 37.8 56.8
154 71.7 69.0 103.6





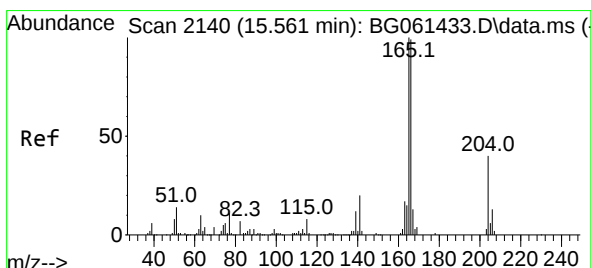
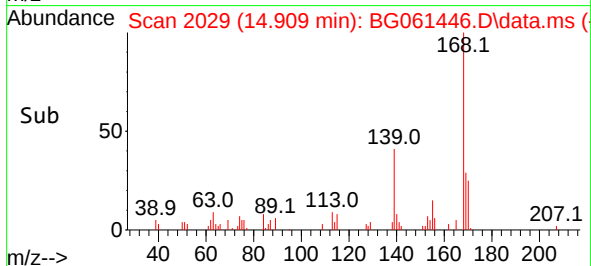
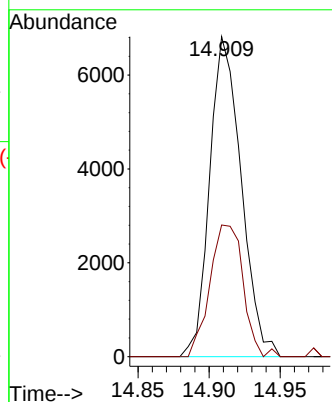
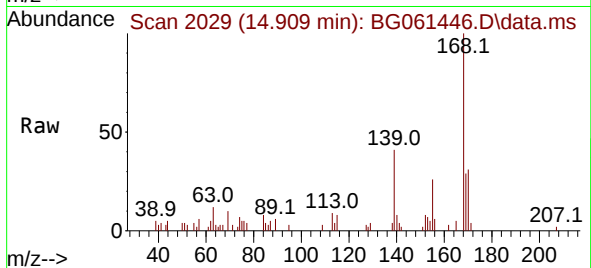
#56
Dibenzenofuran
Concen: 1.061 ng/ul
RT: 14.909 min Scan# 2029
Delta R.T. 0.001 min
Lab File: BG061446.D
Acq: 4 Jun 2024 7:11

Instrument :
BNA_G
ClientSampleId :
BHBW4

Tgt Ion:168 Resp: 1049
Ion Ratio Lower Upper
168 100
139 41.2 33.4 50.2

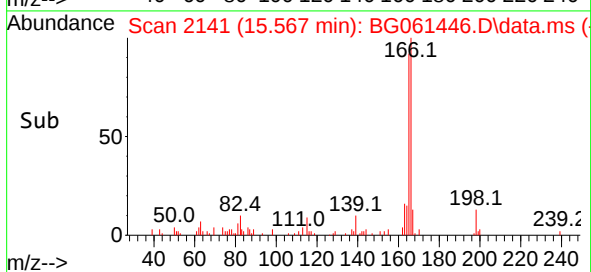
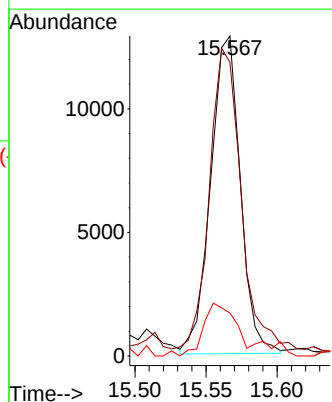
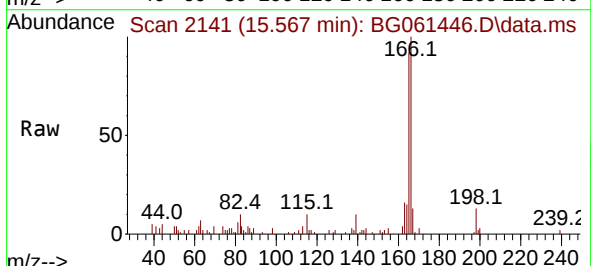
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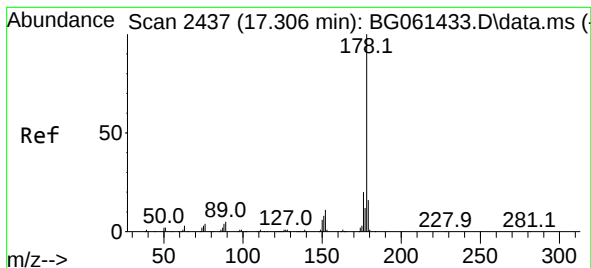
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#61
Fluorene
Concen: 2.188 ng/ul
RT: 15.567 min Scan# 2141
Delta R.T. 0.007 min
Lab File: BG061446.D
Acq: 4 Jun 2024 7:11

Tgt Ion:166 Resp: 18721
Ion Ratio Lower Upper
166 100
165 91.7 81.8 122.8
167 13.4 10.6 16.0





#72

Phenanthrene

Concen: 45.064 ng/u1

RT: 17.306 min Scan# 2437

Delta R.T. 0.007 min

Lab File: BG061446.D

Acq: 4 Jun 2024 7:11

Instrument :

BNA_G

ClientSampleId :

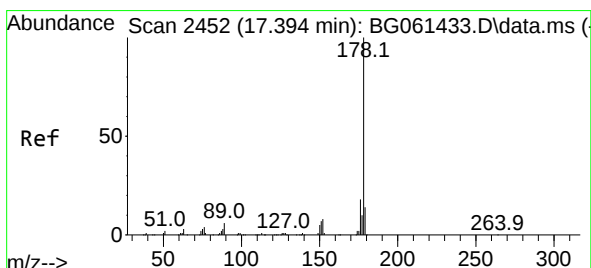
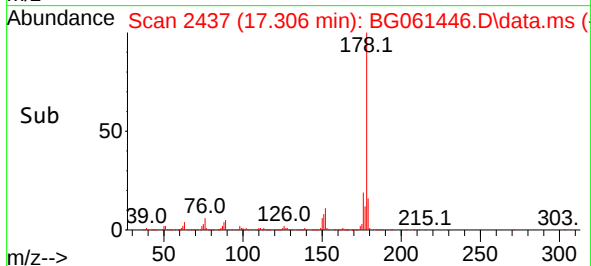
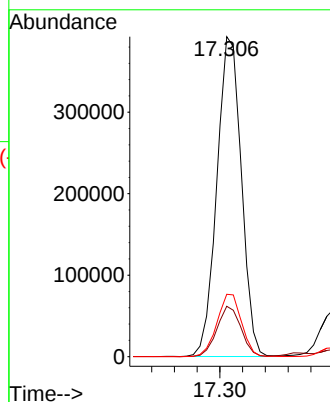
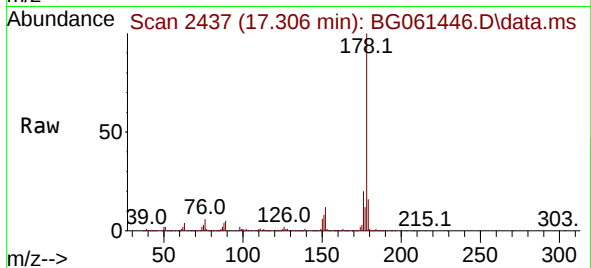
BHBW4

Tgt Ion:178	Resp: 58677
Ion Ratio	Lower Upper
178	100
179	15.8 12.7 19.1
176	19.5 15.5 23.3

Manual Integrations

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#74

Anthracene

Concen: 5.949 ng/u1

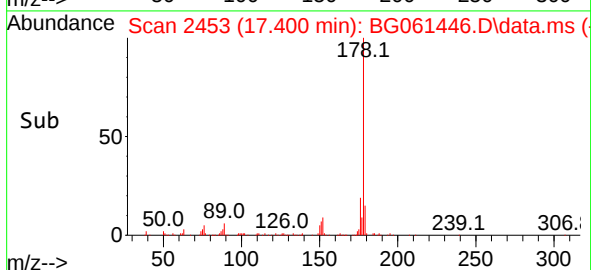
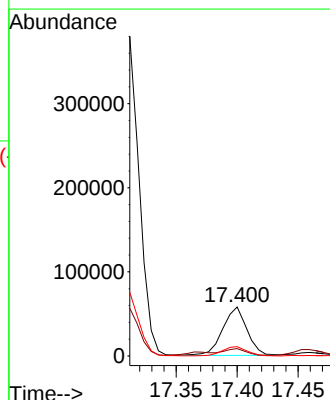
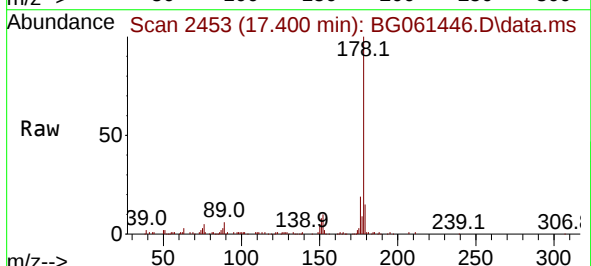
RT: 17.400 min Scan# 2453

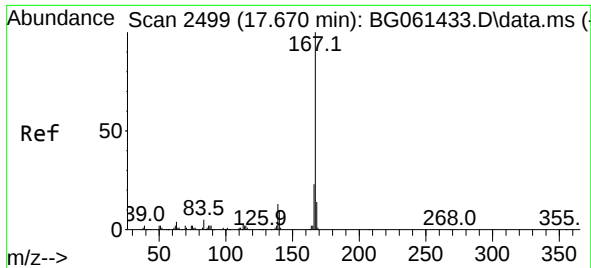
Delta R.T. 0.007 min

Lab File: BG061446.D

Acq: 4 Jun 2024 7:11

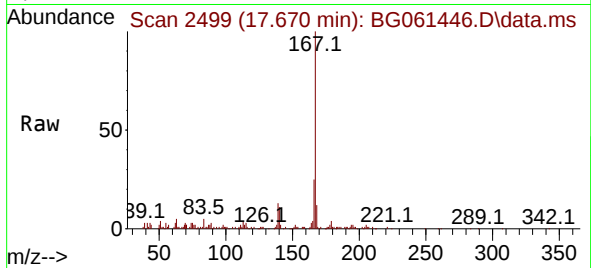
Tgt Ion:178	Resp: 80089
Ion Ratio	Lower Upper
178	100
179	15.2 11.8 17.6
176	19.0 14.9 22.3





#77
 Carbazole
 Concen: 5.245 ng/ul
 RT: 17.670 min Scan# 2499
 Delta R.T. 0.007 min
 Lab File: BG061446.D
 Acq: 4 Jun 2024 7:11

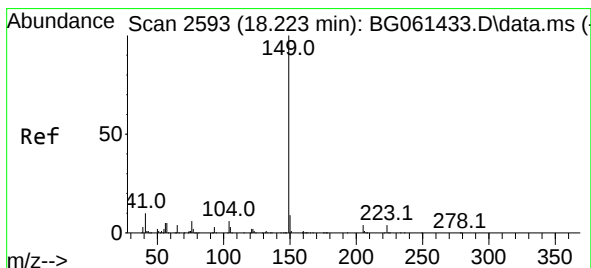
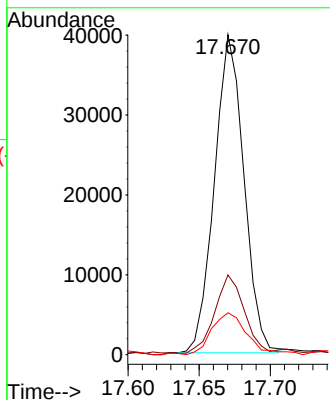
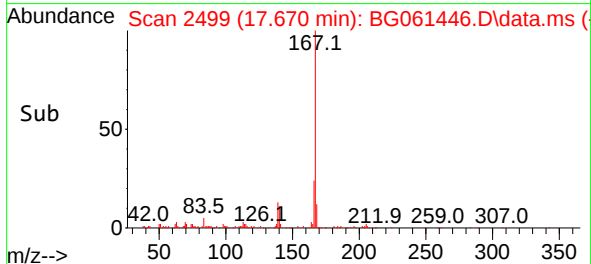
Instrument :
 BNA_G
 ClientSampleId :
 BHBW4



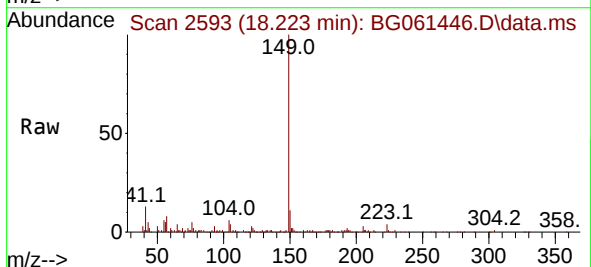
Tgt Ion:167 Resp: 57438
 Ion Ratio Lower Upper
 167 100
 166 24.9 18.6 28.0
 139 13.1 10.6 15.8

Manual Integrations
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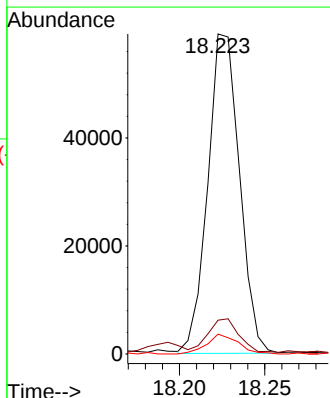
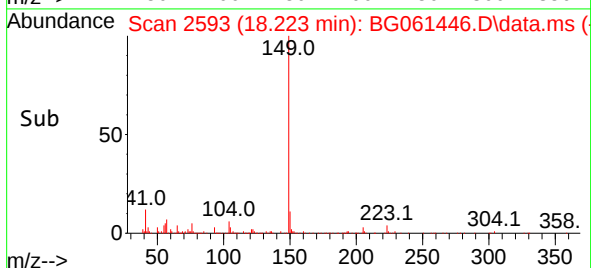
Reviewed By :Jagrut Upadhyay 06/04/2024
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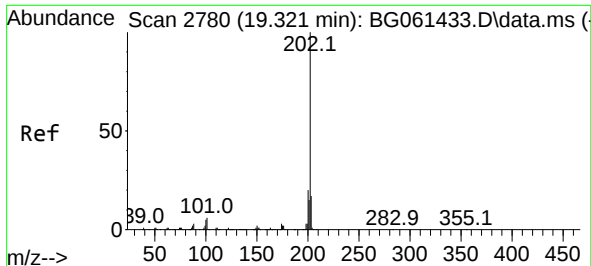


#78
 Di-n-butylphthalate
 Concen: 5.593 ng/ul
 RT: 18.223 min Scan# 2593
 Delta R.T. 0.001 min
 Lab File: BG061446.D
 Acq: 4 Jun 2024 7:11



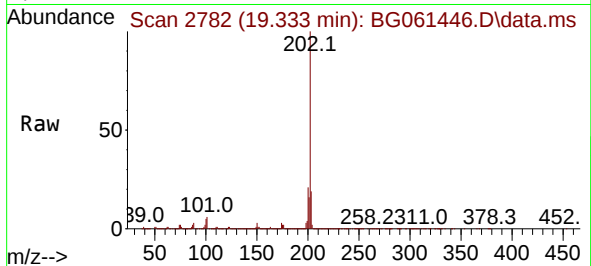
Tgt Ion:149 Resp: 76746
 Ion Ratio Lower Upper
 149 100
 150 10.5 7.8 11.8
 104 6.2 4.8 7.2





#80
Fluoranthene
Concen: 106.031 ng/u1
RT: 19.333 min Scan# 21
Delta R.T. 0.018 min
Lab File: BG061446.D
Acq: 4 Jun 2024 7:11

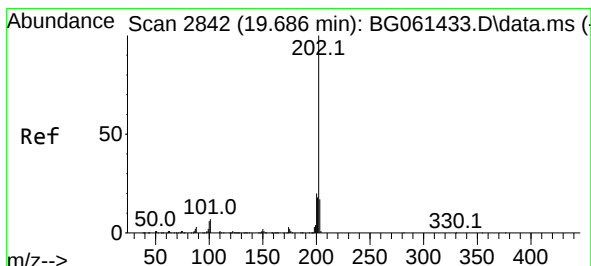
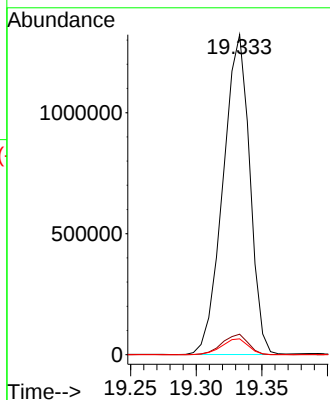
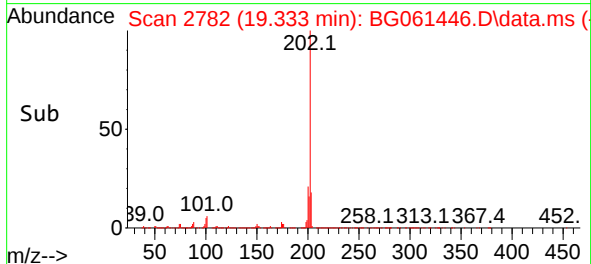
Instrument :
BNA_G
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BHBW4



Tgt Ion:202 Resp: 1873752
Ion Ratio Lower Upper
202 100
101 6.4 4.8 7.2
100 4.9 4.1 6.1

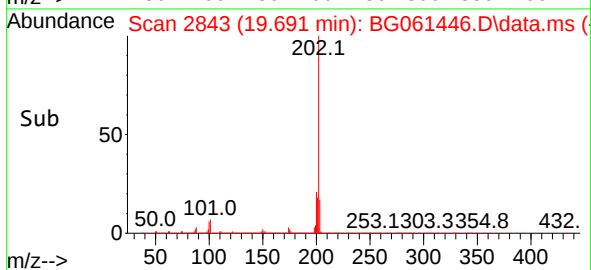
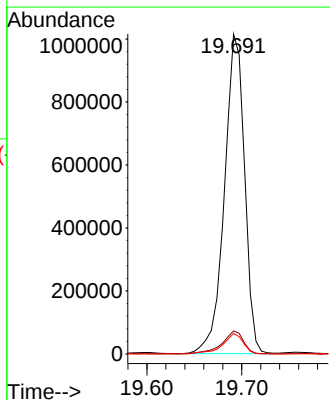
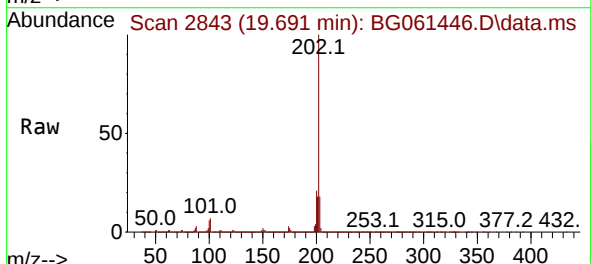
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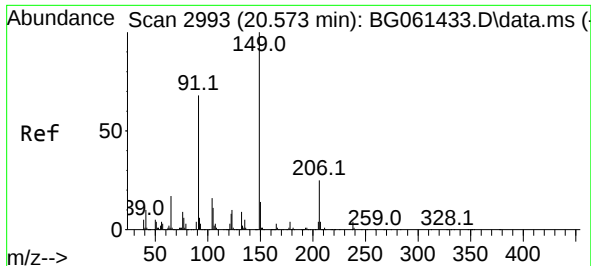
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#82
Pyrene
Concen: 81.815 ng/u1
RT: 19.691 min Scan# 2843
Delta R.T. 0.012 min
Lab File: BG061446.D
Acq: 4 Jun 2024 7:11

Tgt Ion:202 Resp: 1500767
Ion Ratio Lower Upper
202 100
101 7.2 5.7 8.5
100 6.4 5.1 7.7





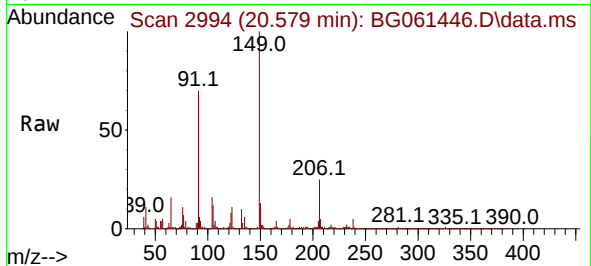
#83
Butylbenzylphthalate
Concen: 47.859 ng/ul
RT: 20.579 min Scan# 2993
Delta R.T. 0.007 min
Lab File: BG061446.D
Acq: 4 Jun 2024 7:11

Instrument :

BNA_G

ClientSampleId :

BHBW4

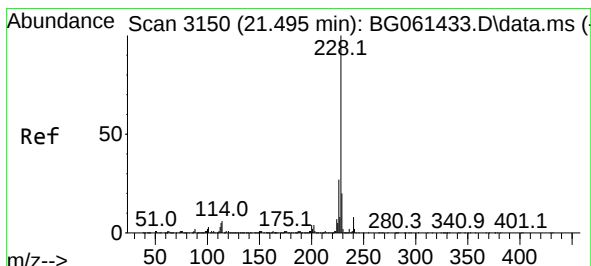
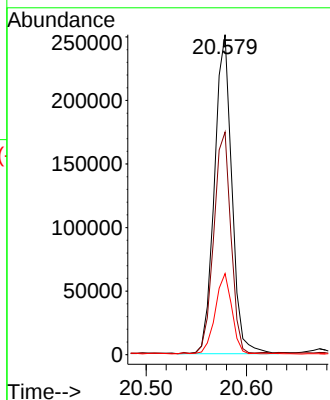
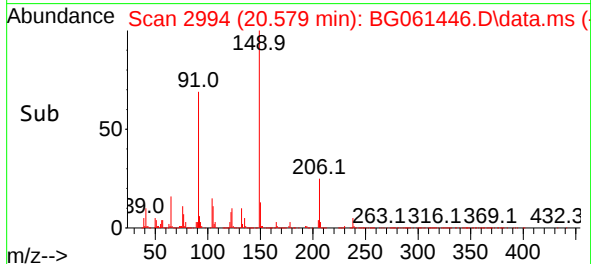


Tgt Ion:149 Resp: 30158
Ion Ratio Lower Upper
149 100
91 69.5 54.8 82.2
206 25.4 19.4 29.0

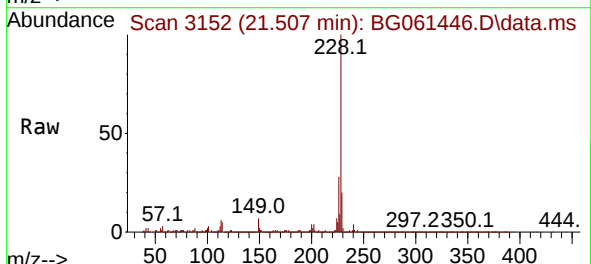
Manual Integrations

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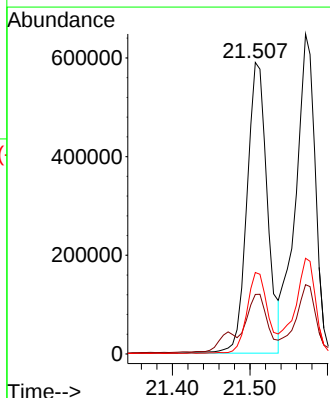
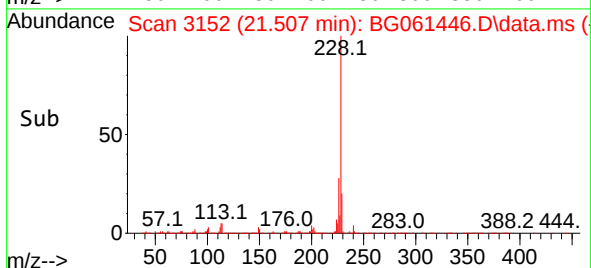
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

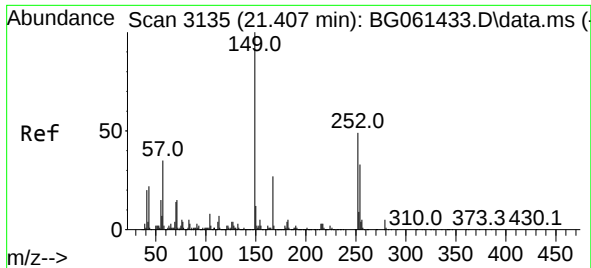


#85
Benzo(a)anthracene
Concen: 54.279 ng/ul
RT: 21.507 min Scan# 3152
Delta R.T. 0.012 min
Lab File: BG061446.D
Acq: 4 Jun 2024 7:11



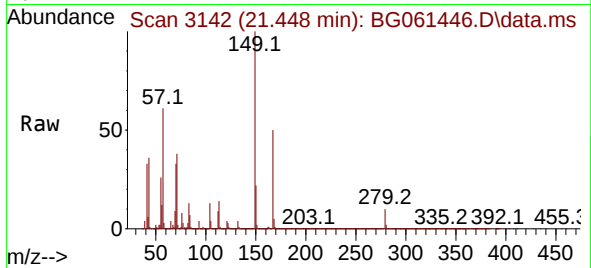
Tgt Ion:228 Resp: 1074509
Ion Ratio Lower Upper
228 100
229 20.4 15.2 22.8
226 28.0 21.4 32.2





#86
 Bis(2-ethylhexyl)phthalate
 Concen: 885.463 ng/ul
 RT: 21.448 min Scan# 3142
 Delta R.T. 0.042 min
 Lab File: BG061446.D
 Acq: 4 Jun 2024 7:11

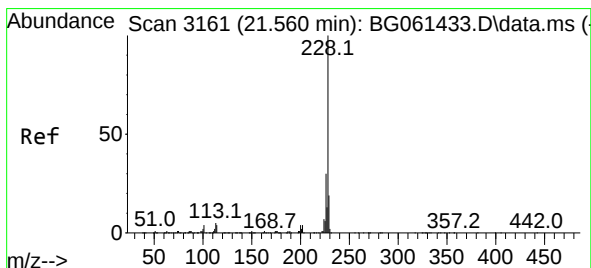
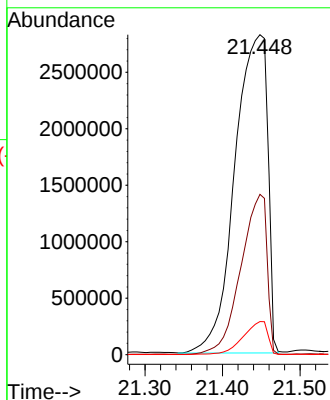
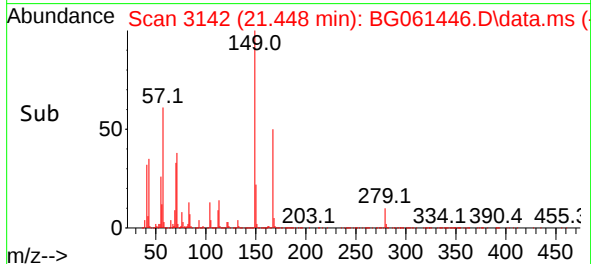
Instrument :
 BNA_G
 ClientSampleId :
 BHBW4



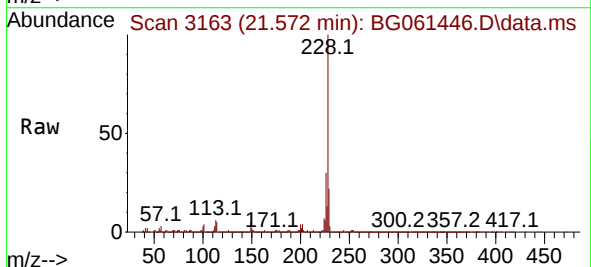
Tgt Ion:149 Resp: 8259198
 Ion Ratio Lower Upper
 149 100
 167 50.1 21.1 31.7
 279 10.4 3.3 4.9

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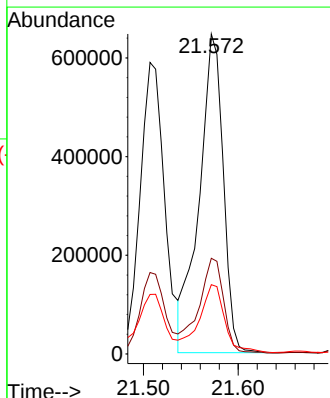
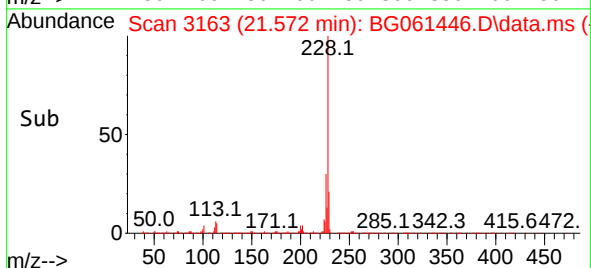
Reviewed By :Jagrut Upadhyay 06/04/2024
 Supervised By :mohammad ahmed 06/05/2024

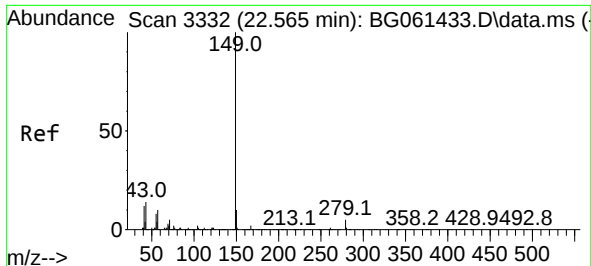


#87
 Chrysene
 Concen: 62.588 ng/ul
 RT: 21.572 min Scan# 3163
 Delta R.T. 0.018 min
 Lab File: BG061446.D
 Acq: 4 Jun 2024 7:11



Tgt Ion:228 Resp: 1140858
 Ion Ratio Lower Upper
 228 100
 226 29.9 23.4 35.0
 229 21.7 15.4 23.2





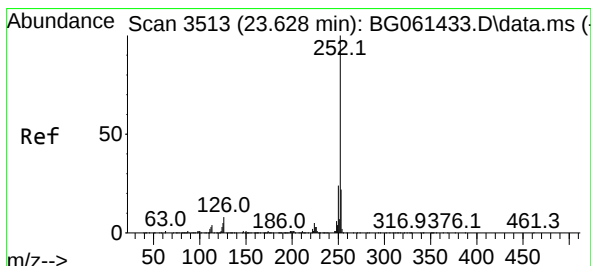
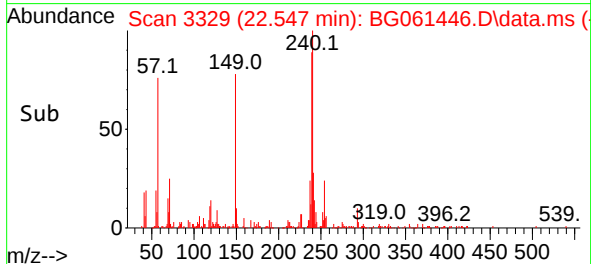
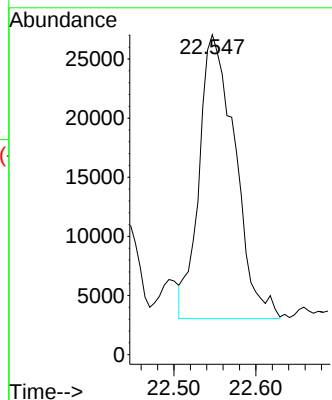
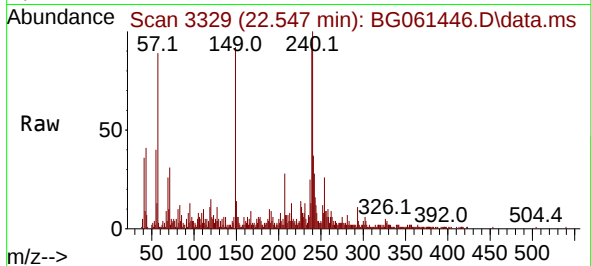
#89
Di-n-octyl phthalate
Concen: 4.651 ng/ul m
RT: 22.547 min Scan# 31
Delta R.T. -0.017 min
Lab File: BG061446.D
Acq: 4 Jun 2024 7:11

Instrument :
BNA_G
ClientSampleId :
BHBW4

Tgt Ion:149 Resp: 7292

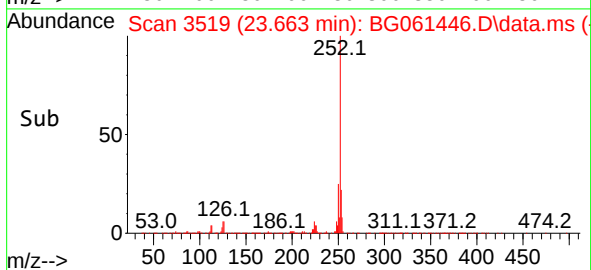
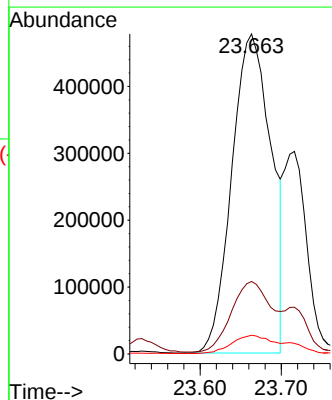
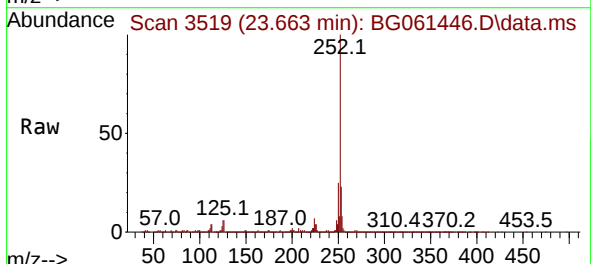
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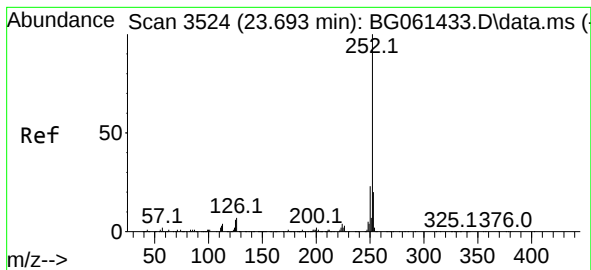
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#90
Benzo(b)fluoranthene
Concen: 86.260 ng/ul
RT: 23.663 min Scan# 3519
Delta R.T. 0.048 min
Lab File: BG061446.D
Acq: 4 Jun 2024 7:11

Tgt Ion:252 Resp: 1609545
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 5.9 4.6 6.8





#91

Benzo(k)fluoranthene

Concen: 31.206 ng/ul m

RT: 23.716 min Scan# 3

Delta R.T. 0.036 min

Lab File: BG061446.D

Acq: 4 Jun 2024 7:11

Instrument :

BNA_G

ClientSampleId :

BHBW4

Tgt Ion:252 Resp: 591119

Ion Ratio Lower Upper

252 100

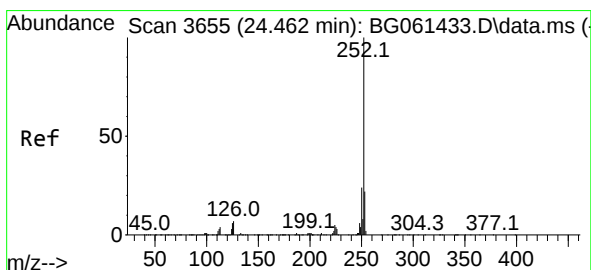
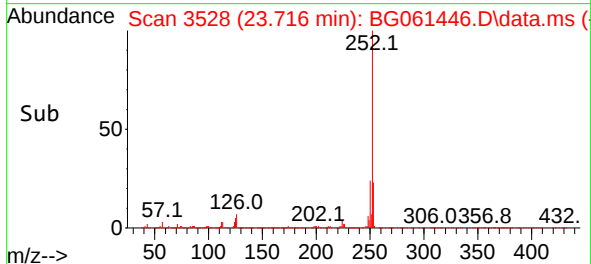
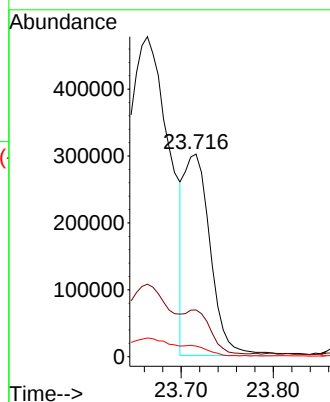
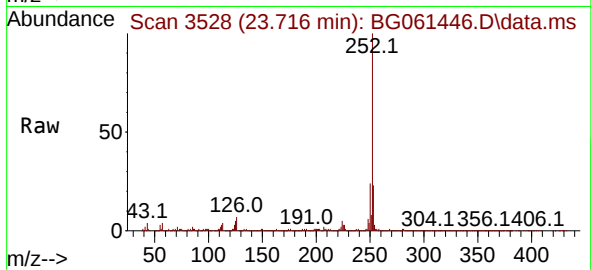
253 23.1 16.0 24.0

125 5.2 4.3 6.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#93

Benzo(a)pyrene

Concen: 36.713 ng/ul

RT: 24.486 min Scan# 3659

Delta R.T. 0.036 min

Lab File: BG061446.D

Acq: 4 Jun 2024 7:11

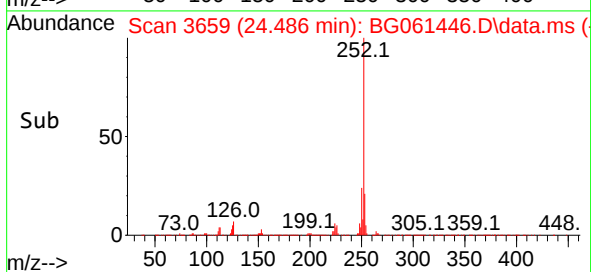
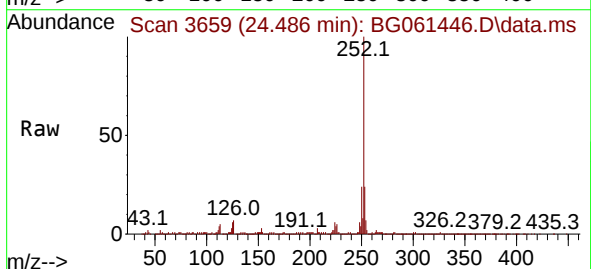
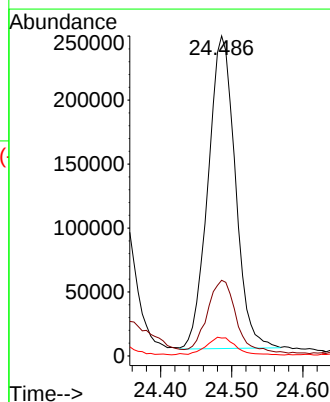
Tgt Ion:252 Resp: 650487

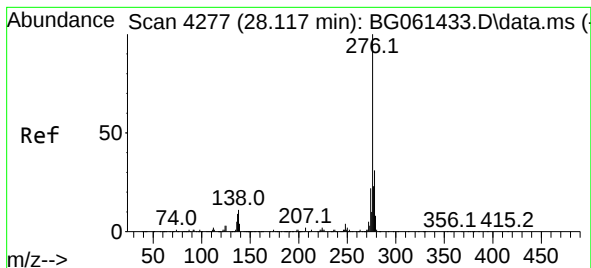
Ion Ratio Lower Upper

252 100

253 23.7 16.4 24.6

125 5.6 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 21.816 ng/ul

RT: 28.152 min Scan# 41

Delta R.T. 0.059 min

Lab File: BG061446.D

Acq: 4 Jun 2024 7:11

Instrument :

BNA_G

ClientSampleId :

BHBW4

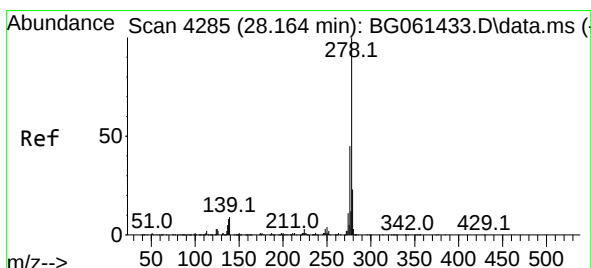
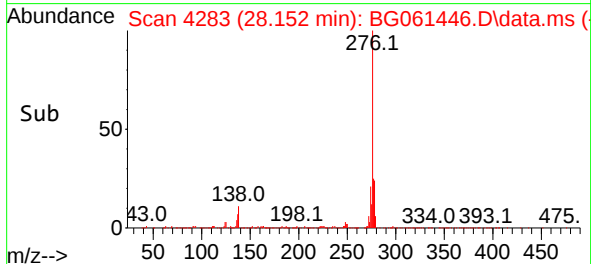
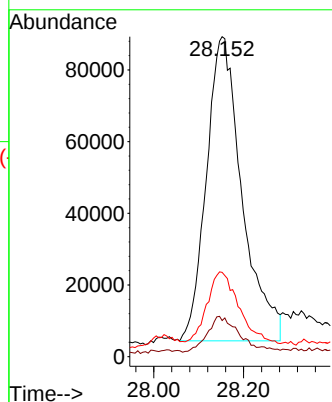
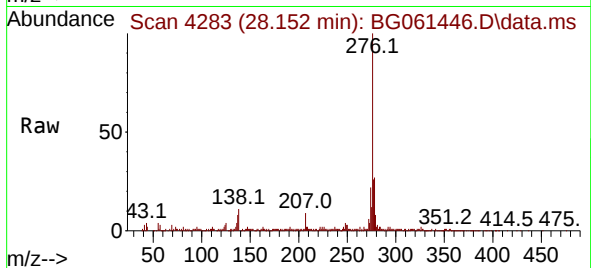
Tgt Ion:276 Resp: 46744

Ion	Ratio	Lower	Upper
276	100		
138	11.3	8.6	13.0
277	26.4	19.7	29.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#95

Dibenzo(a,h)anthracene

Concen: 7.743 ng/ul m

RT: 28.187 min Scan# 4289

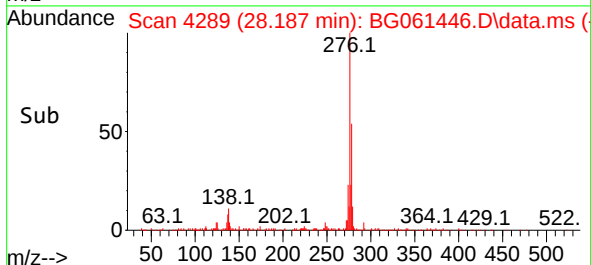
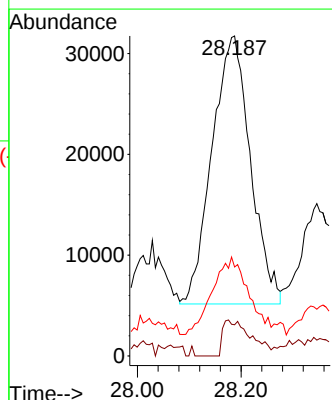
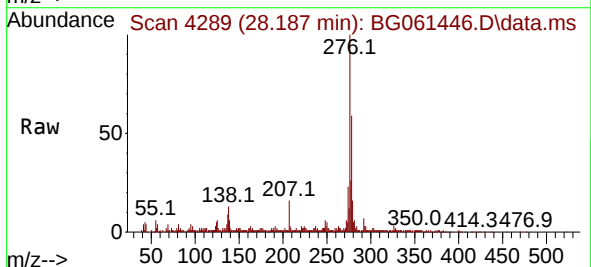
Delta R.T. 0.048 min

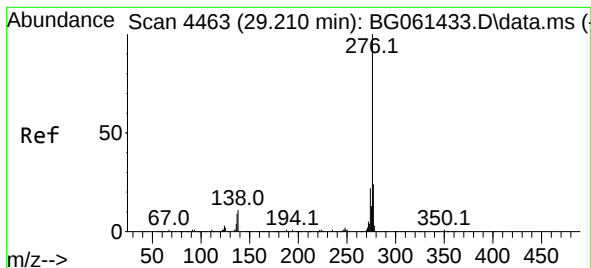
Lab File: BG061446.D

Acq: 4 Jun 2024 7:11

Tgt Ion:278 Resp: 136806

Ion	Ratio	Lower	Upper
278	100		
139	9.7	6.4	9.6#
279	27.8	19.9	29.9





#96

Benzo(g,h,i)perylene

Concen: 3.136 ng/ul m

RT: 29.251 min Scan# 44

Delta R.T. 0.077 min

Lab File: BG061446.D

Acq: 4 Jun 2024 7:11

Instrument :

BNA_G

ClientSampleId :

BHBW4

Tgt Ion:276 Resp: 5345

Ion Ratio Lower Upper

276 100

138 15.7 8.7 13.1

277 31.9 18.2 27.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024

Supervised By :mohammad ahmed 06/05/2024

