

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
 Data File : BG061424.D
 Acq On : 3 Jun 2024 15:26
 Operator : MA/JU
 Sample : P2577-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBN7

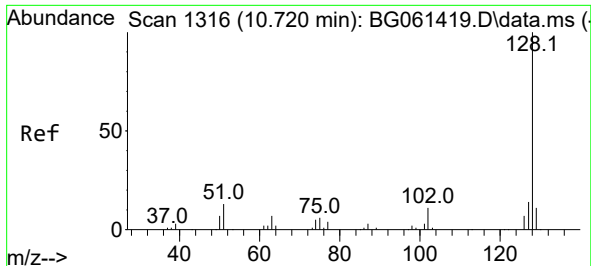
Manual Integrations
 APPROVED

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

Quant Time: Jun 03 23:33:20 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

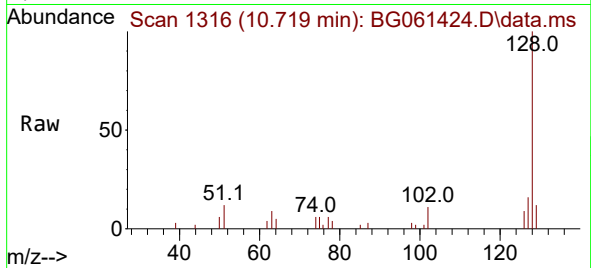
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.870	152	37400	20.000	ng/ul	0.00
20) Naphthalene-d8	10.666	136	147774	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.509	164	114267	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.259	188	265334	20.000	ng/ul	0.00
79) Chrysene-d12	21.518	240	272064	20.000	ng/ul	0.00
88) Perylene-d12	24.609	264	317332	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.340	96	2733m	4.089	ng/uL	0.00
4) Pyridine-d5	3.751	84	5978	2.514	ng/ul	0.01
7) Phenol-d5	7.059	99	64432	20.979	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.206	67	43894	22.738	ng/ul	0.00
11) 2-Chlorophenol-d4	7.411	132	55381	24.365	ng/ul	0.00
15) 4-Methylphenol-d8	8.592	113	53411	20.395	ng/ul	0.00
21) Nitrobenzene-d5	9.027	128	28649	25.180	ng/ul	0.00
24) 2-Nitrophenol-d4	9.750	143	31363	23.554	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.302	165	63711	24.543	ng/ul	0.00
31) 4-Chloroaniline-d4	10.801	131	34563	10.177	ng/ul	0.00
46) Dimethylphthalate-d6	13.915	166	216759	24.459	ng/ul	0.00
49) Acenaphthylene-d8	14.203	160	243659	26.446	ng/ul	0.00
54) 4-Nitrophenol-d4	14.750	143	15664m	14.296	ng/ul	0.01
60) Fluorene-d10	15.508	176	195920	25.606	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.649	200	28533	17.780	ng/ul	0.01
73) Anthracene-d10	17.358	188	333679	28.525	ng/ul	0.00
81) Pyrene-d10	19.656	212	400765	28.689	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.403	264	433316	28.403	ng/ul	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.719	128	14978	1.920	ng/ul#	95
36) 2-Methylnaphthalene	12.329	142	9655	1.707	ng/ul	98
37) 1-Methylnaphthalene	12.552	142	9161	1.578	ng/ul#	76
52) Acenaphthene	14.573	153	53464	7.977	ng/ul	98
56) Dibenzofuran	14.908	168	51172	5.340	ng/ul	98
61) Fluorene	15.561	166	65989	7.959	ng/ul	97
72) Phenanthrene	17.306	178	1224269	95.065	ng/ul	99
74) Anthracene	17.394	178	258176	19.389	ng/ul	99
77) Carbazole	17.664	167	108881	10.053	ng/ul	97
80) Fluoranthene	19.327	202	1956952	116.777	ng/ul	99
82) Pyrene	19.691	202	1725441	99.193	ng/ul	100
85) Benzo(a)anthracene	21.501	228	1024796	54.590	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.407	149	18734	2.118	ng/ul#	90
87) Chrysene	21.565	228	1021809	59.114	ng/ul	96
90) Benzo(b)fluoranthene	23.645	252	1242264	65.750	ng/ul	99
91) Benzo(k)fluoranthene	23.692	252	409721m	21.361	ng/ul	
93) Benzo(a)pyrene	24.474	252	894345	49.849	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	28.128	276	576063	26.552	ng/ul	99
95) Dibenzo(a,h)anthracene	28.158	278	154381	8.630	ng/ul	99
96) Benzo(g,h,i)perylene	29.215	276	499424m	28.935	ng/ul	

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



#30
Naphthalene
Concen: 1.920 ng/ul
RT: 10.719 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BG061424.D
Acq: 3 Jun 2024 15:26

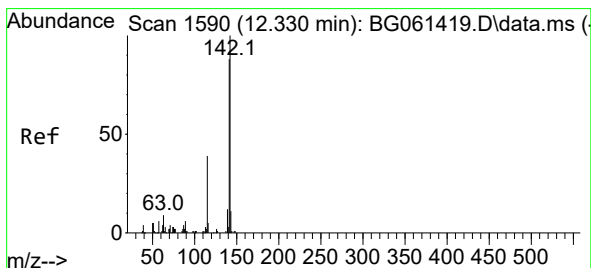
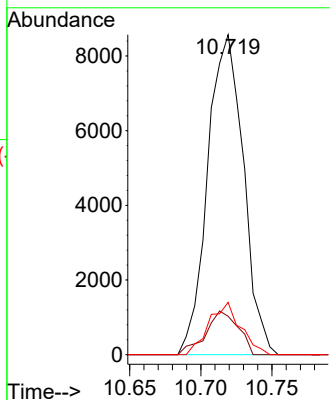
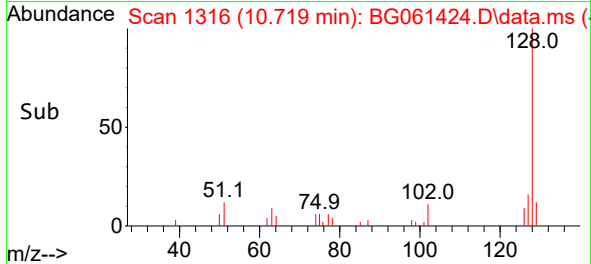
Instrument :
BNA_G
ClientSampleId :
BHBN7



Tgt Ion:128 Resp: 14978
Ion Ratio Lower Upper
128 100
129 12.0 8.6 12.8
127 16.3 10.8 16.2

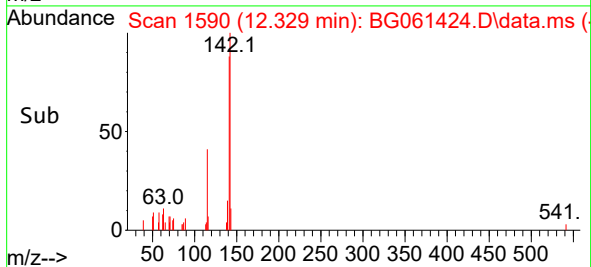
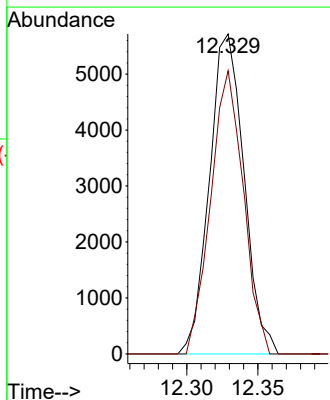
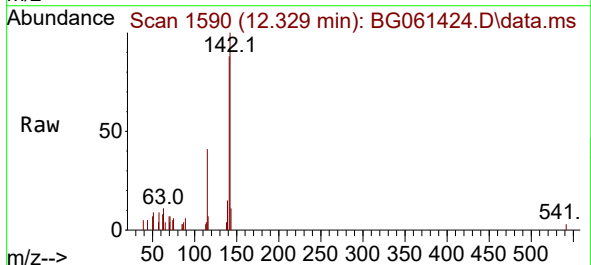
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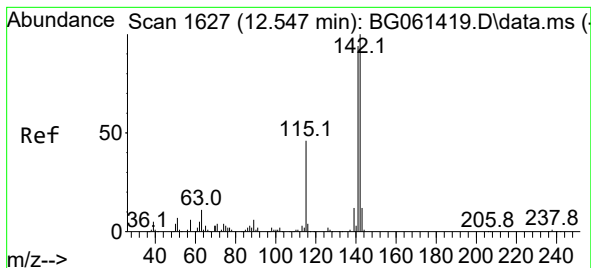
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#36
2-Methylnaphthalene
Concen: 1.707 ng/ul
RT: 12.329 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BG061424.D
Acq: 3 Jun 2024 15:26

Tgt Ion:142 Resp: 9655
Ion Ratio Lower Upper
142 100
141 88.5 72.2 108.2





#37

1-Methylnaphthalene

Concen: 1.578 ng/ul

RT: 12.552 min Scan# 1628

Delta R.T. 0.006 min

Lab File: BG061424.D

Acq: 3 Jun 2024 15:26

Instrument :

BNA_G

ClientSampleId :

BHBN7

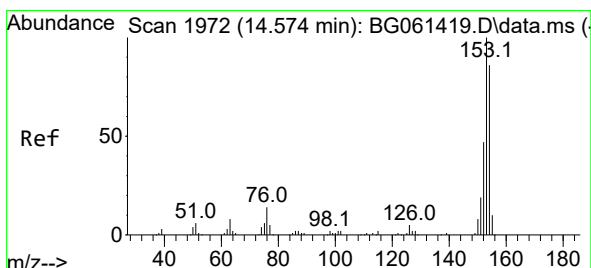
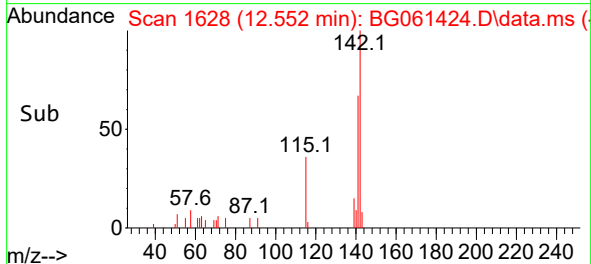
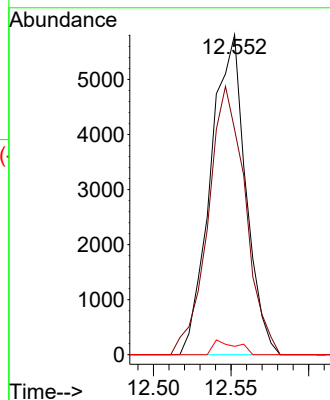
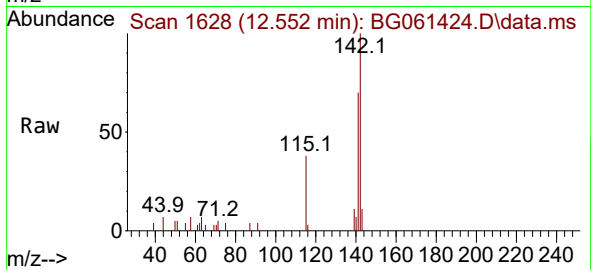
Tgt Ion:142 Resp: 916

Ion	Ratio	Lower	Upper
142	100		
141	70.3	75.5	113.3
116	2.6	4.0	6.0

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#52

Acenaphthene

Concen: 7.977 ng/ul

RT: 14.573 min Scan# 1972

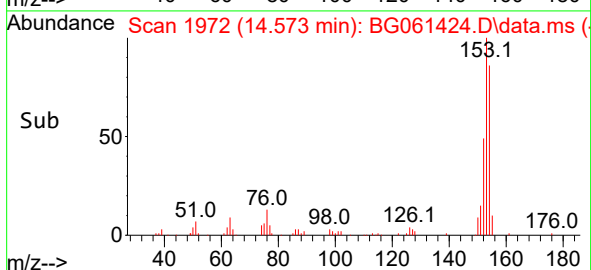
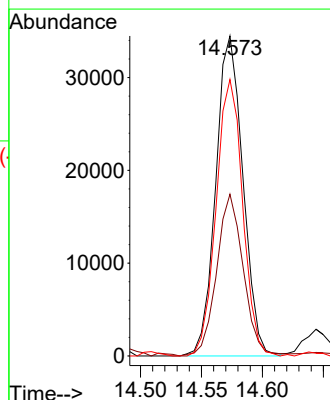
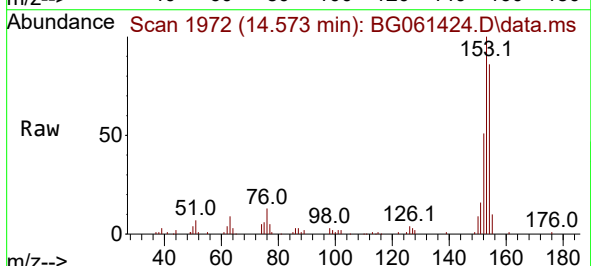
Delta R.T. 0.000 min

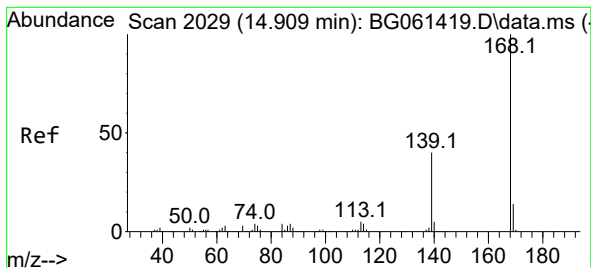
Lab File: BG061424.D

Acq: 3 Jun 2024 15:26

Tgt Ion:153 Resp: 53464

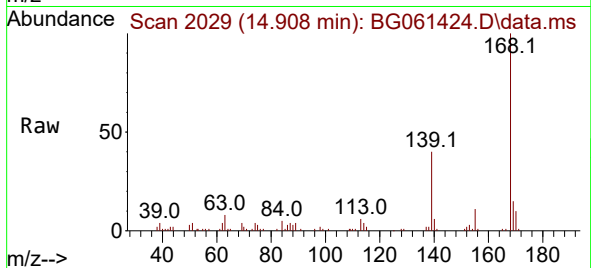
Ion	Ratio	Lower	Upper
153	100		
152	50.6	37.8	56.8
154	86.4	69.0	103.6





#56
Dibenzenofuran
Concen: 5.340 ng/ul
RT: 14.908 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BG061424.D
Acq: 3 Jun 2024 15:26

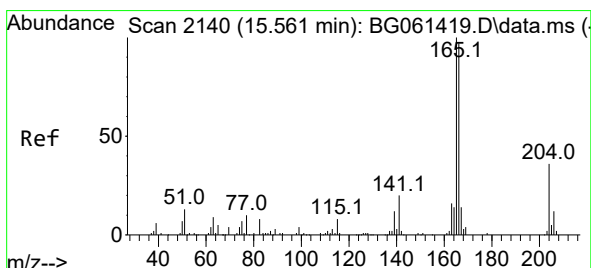
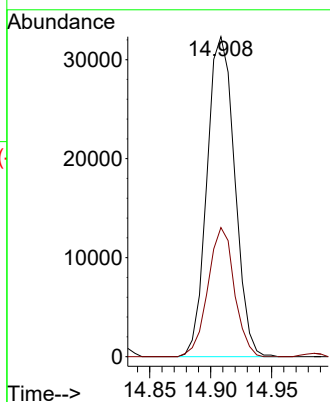
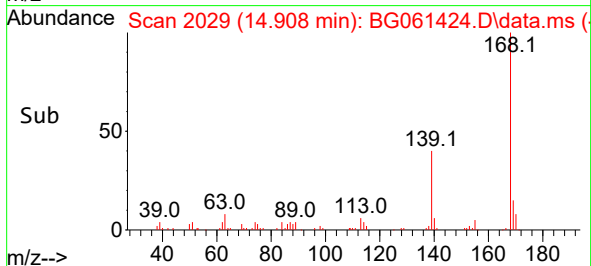
Instrument :
BNA_G
ClientSampleId :
BHBN7



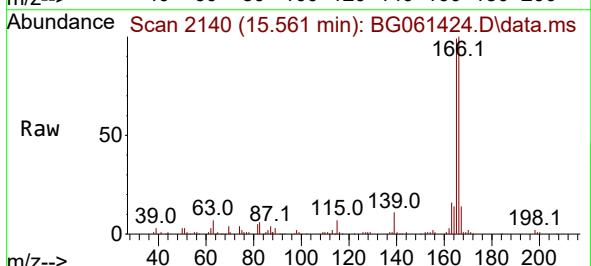
Tgt Ion:168 Resp: 51172
Ion Ratio Lower Upper
168 100
139 40.3 33.4 50.2

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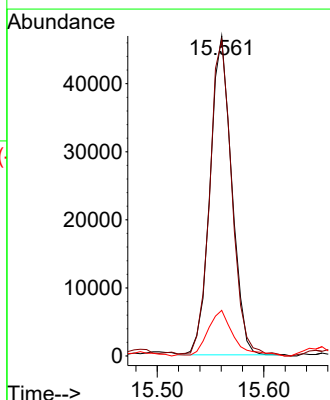
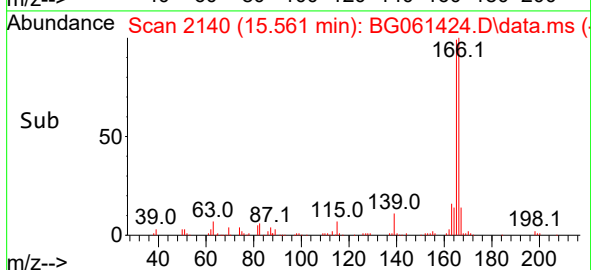
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

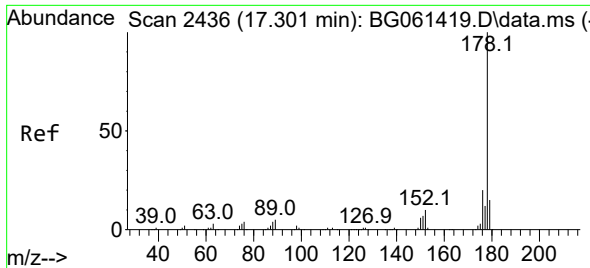


#61
Fluorene
Concen: 7.959 ng/ul
RT: 15.561 min Scan# 2140
Delta R.T. 0.000 min
Lab File: BG061424.D
Acq: 3 Jun 2024 15:26



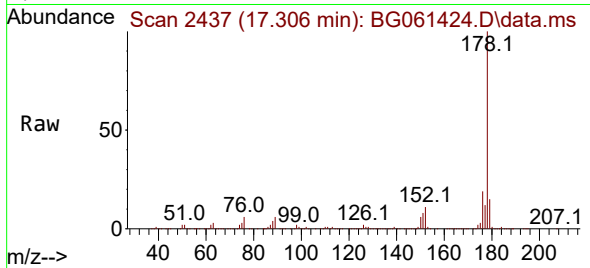
Tgt Ion:166 Resp: 65989
Ion Ratio Lower Upper
166 100
165 98.8 81.8 122.8
167 14.2 10.6 16.0





#72
Phenanthrene
Concen: 95.065 ng/u1
RT: 17.306 min Scan# 2436
Delta R.T. 0.006 min
Lab File: BG061424.D
Acq: 3 Jun 2024 15:26

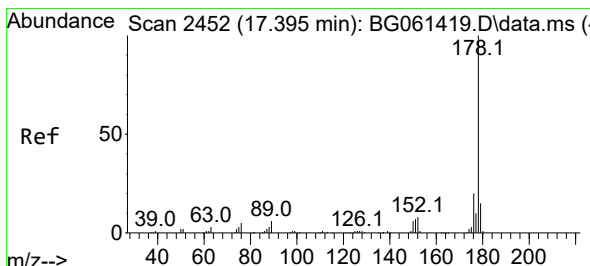
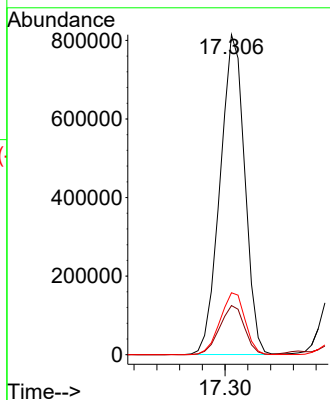
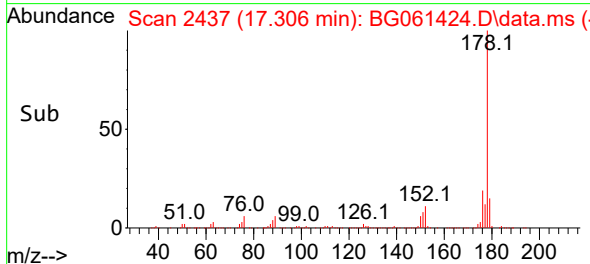
Instrument :
BNA_G
ClientSampleId :
BHBN7



Tgt Ion:178 Resp: 1224269
Ion Ratio Lower Upper
178 100
179 15.3 12.7 19.1
176 19.4 15.5 23.3

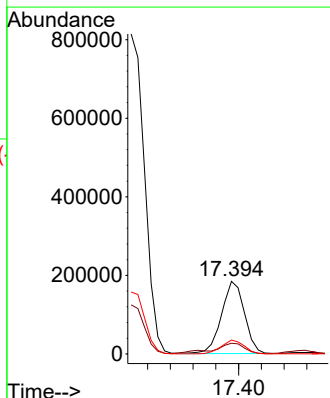
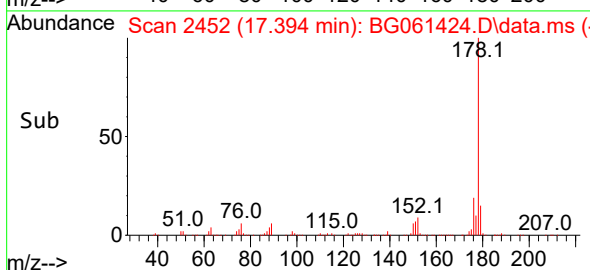
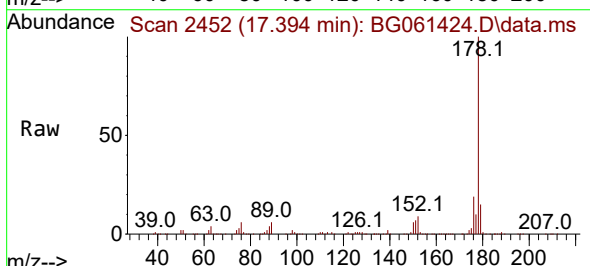
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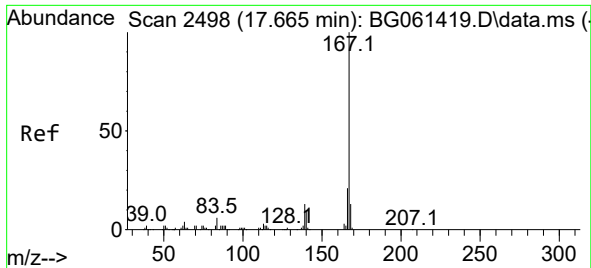
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#74
Anthracene
Concen: 19.389 ng/u1
RT: 17.394 min Scan# 2452
Delta R.T. 0.000 min
Lab File: BG061424.D
Acq: 3 Jun 2024 15:26

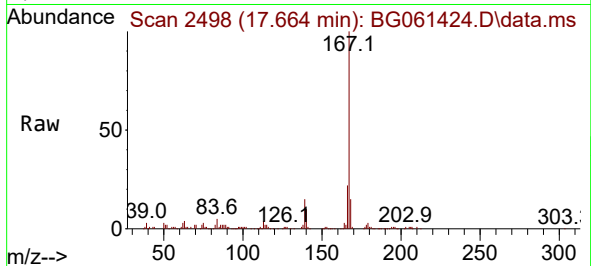
Tgt Ion:178 Resp: 258176
Ion Ratio Lower Upper
178 100
179 14.8 11.8 17.6
176 19.2 14.9 22.3





#77
 Carbazole
 Concen: 10.053 ng/ul
 RT: 17.664 min Scan# 2498
 Delta R.T. 0.000 min
 Lab File: BG061424.D
 Acq: 3 Jun 2024 15:26

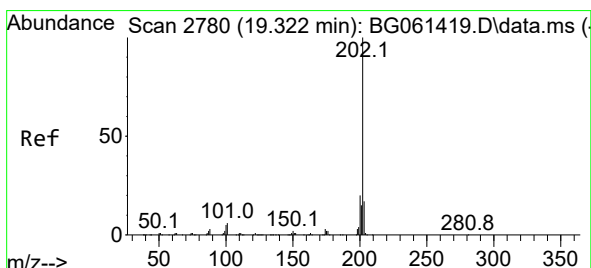
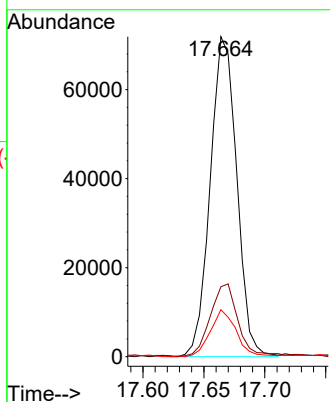
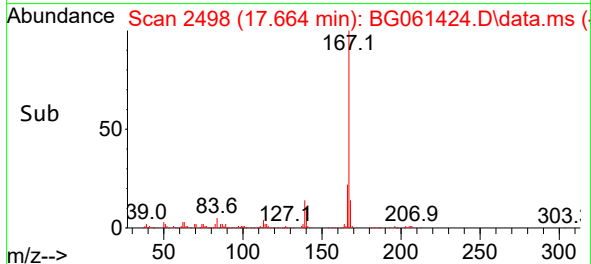
Instrument :
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 ClientSampleId :
 BHBN7



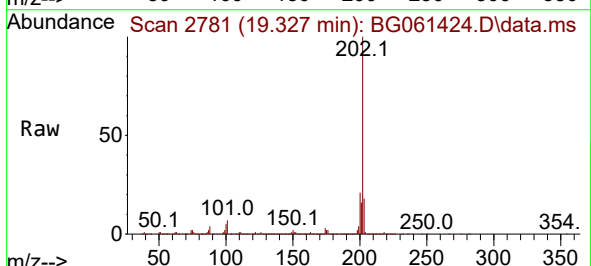
Tgt Ion:167 Resp: 10888
 Ion Ratio Lower Upper
 167 100
 166 21.9 18.6 28.0
 139 14.7 10.6 15.8

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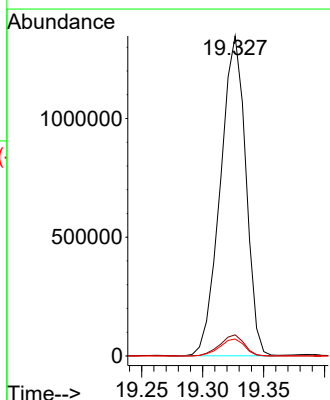
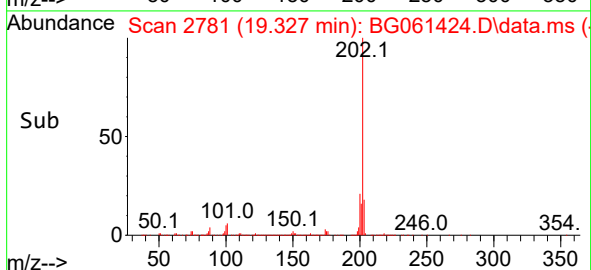
Reviewed By :Jagrut Upadhyay 06/04/2024
 Supervised By :mohammad ahmed 06/05/2024

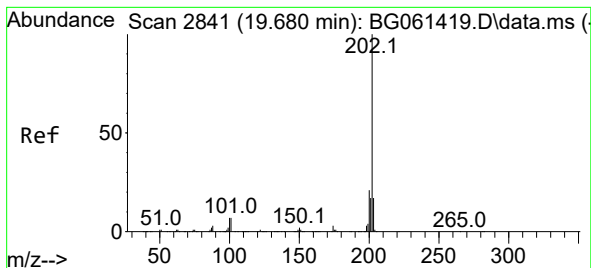


#80
 Fluoranthene
 Concen: 116.777 ng/ul
 RT: 19.327 min Scan# 2781
 Delta R.T. 0.012 min
 Lab File: BG061424.D
 Acq: 3 Jun 2024 15:26



Tgt Ion:202 Resp: 1956952
 Ion Ratio Lower Upper
 202 100
 101 6.6 4.8 7.2
 100 5.3 4.1 6.1





#82

Pyrene

Concen: 99.193 ng/ul

RT: 19.691 min Scan# 21

Delta R.T. 0.012 min

Lab File: BG061424.D

Acq: 3 Jun 2024 15:26

Instrument :

BNA_G

ClientSampleId :

BHBN7

Tgt Ion:202 Resp: 172544

Ion Ratio Lower Upper

202 100

101 7.3 5.7 8.5

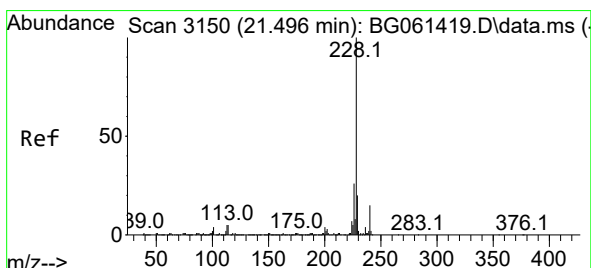
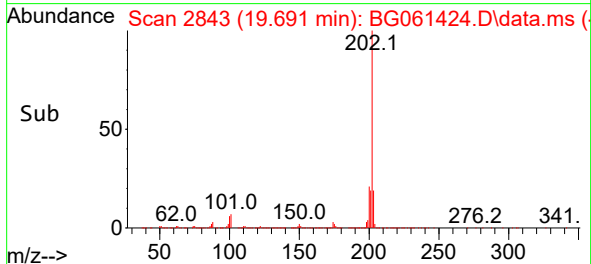
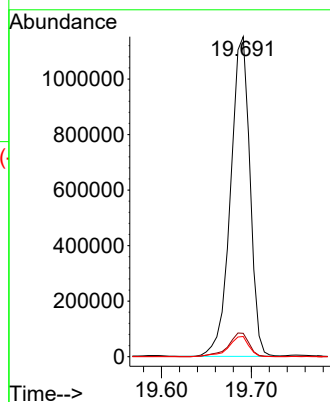
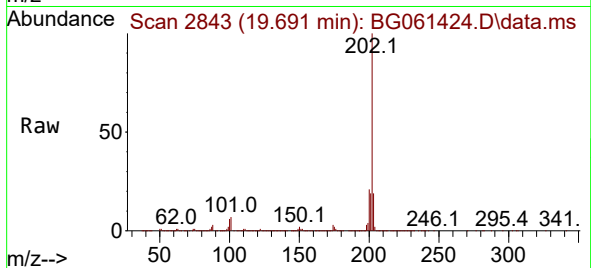
100 6.3 5.1 7.7

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: 54.590 ng/ul

RT: 21.501 min Scan# 3151

Delta R.T. 0.006 min

Lab File: BG061424.D

Acq: 3 Jun 2024 15:26

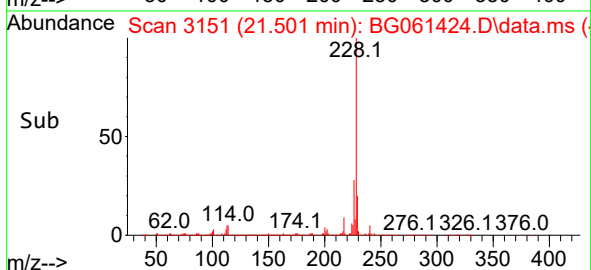
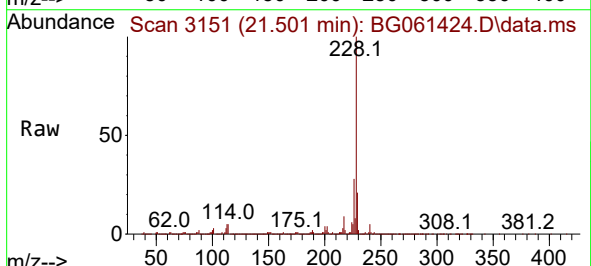
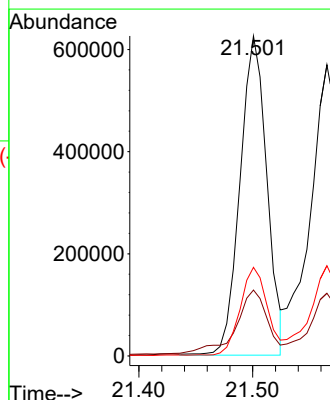
Tgt Ion:228 Resp: 1024796

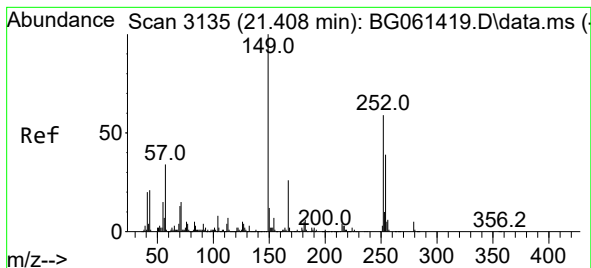
Ion Ratio Lower Upper

228 100

229 20.6 15.2 22.8

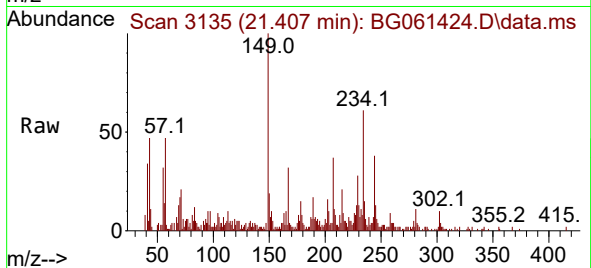
226 27.7 21.4 32.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 2.118 ng/ul
RT: 21.407 min Scan# 3135
Delta R.T. 0.000 min
Lab File: BG061424.D
Acq: 3 Jun 2024 15:26

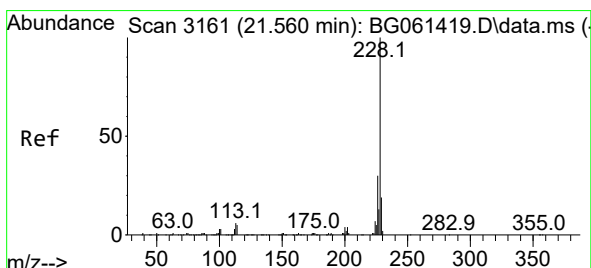
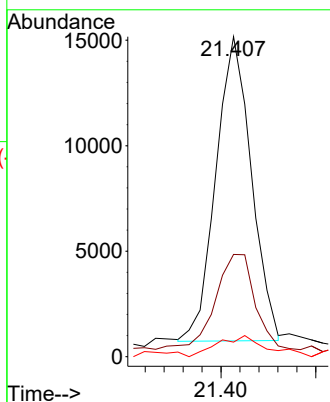
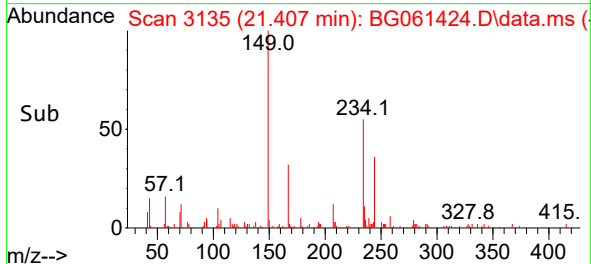
Instrument :
BNA_G
ClientSampleId :
BHBN7



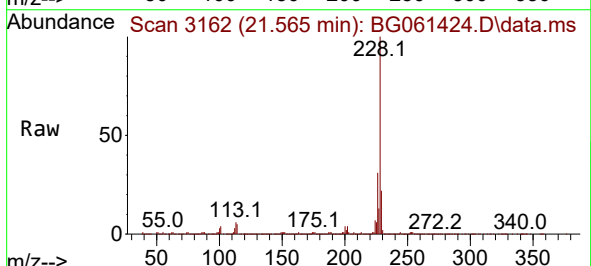
Tgt Ion:149 Resp: 18734
Ion Ratio Lower Upper
149 100
167 31.9 21.1 31.7
279 4.6 3.3 4.9

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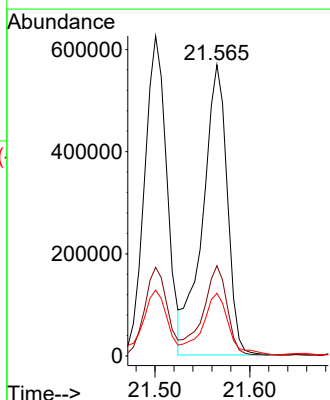
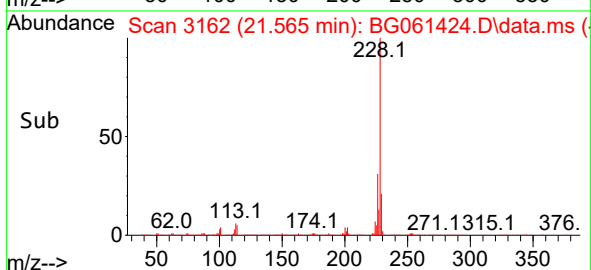
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

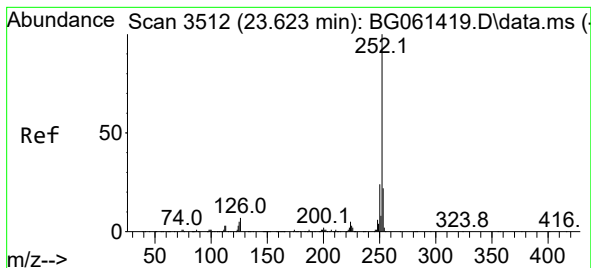


#87
Chrysene
Concen: 59.114 ng/ul
RT: 21.565 min Scan# 3162
Delta R.T. 0.012 min
Lab File: BG061424.D
Acq: 3 Jun 2024 15:26



Tgt Ion:228 Resp: 1021809
Ion Ratio Lower Upper
228 100
226 31.0 23.4 35.0
229 21.6 15.4 23.2





#90

Benzo(b)fluoranthene

Concen: 65.750 ng/ul

RT: 23.645 min Scan# 3516

Delta R.T. 0.030 min

Lab File: BG061424.D

Acq: 3 Jun 2024 15:26

Instrument :

BNA_G

ClientSampleId :

BHBN7

Tgt Ion:252 Resp: 1242264

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

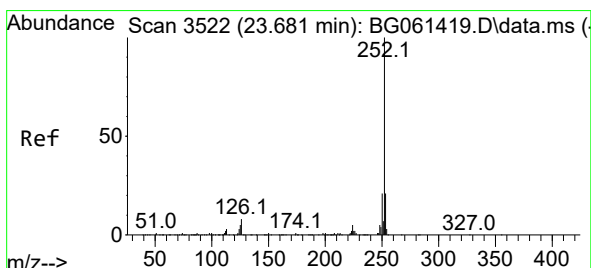
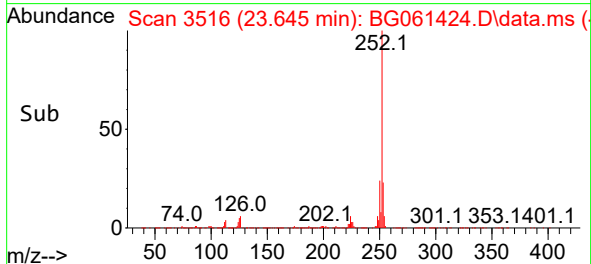
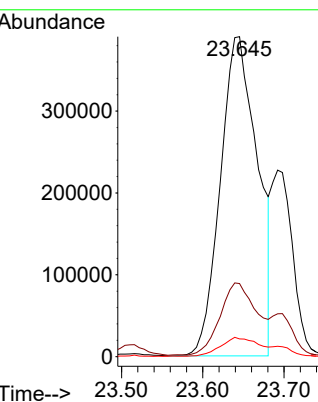
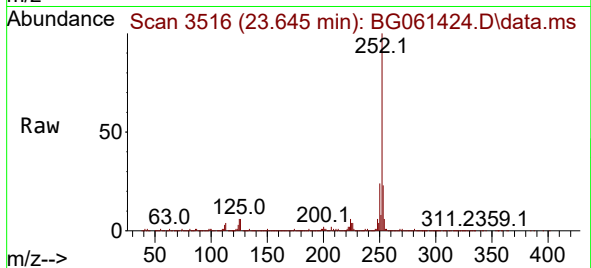
125 5.6 4.6 6.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/04/2024

Supervised By :mohammad ahmed 06/05/2024



#91

Benzo(k)fluoranthene

Concen: 21.361 ng/ul m

RT: 23.692 min Scan# 3524

Delta R.T. 0.012 min

Lab File: BG061424.D

Acq: 3 Jun 2024 15:26

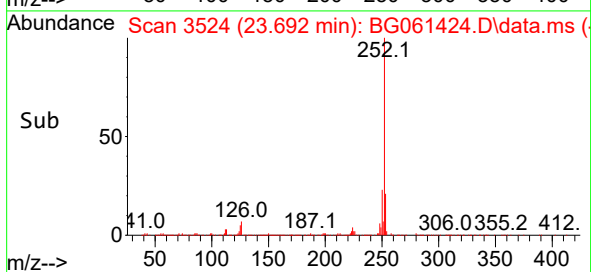
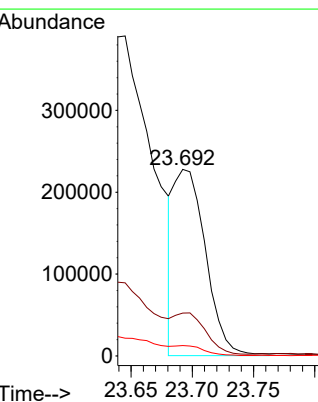
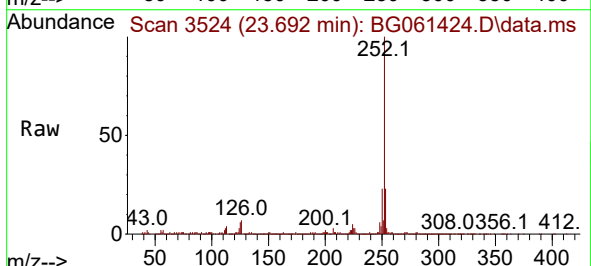
Tgt Ion:252 Resp: 409721

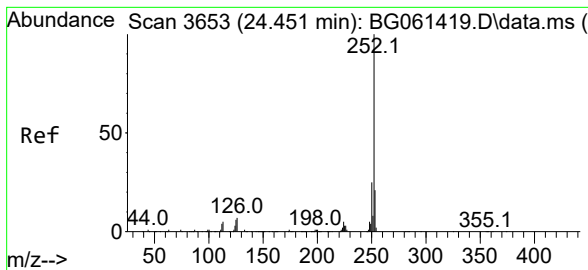
Ion Ratio Lower Upper

252 100

253 23.0 16.0 24.0

125 5.6 4.3 6.5





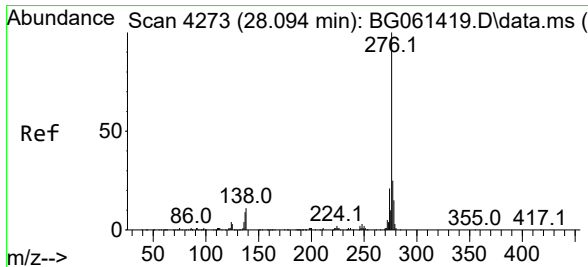
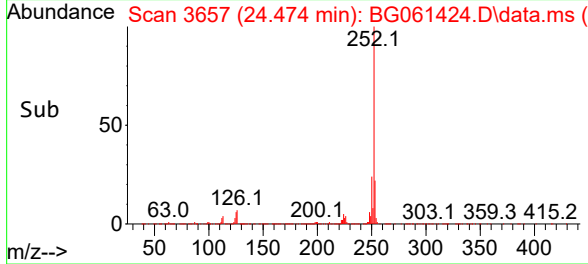
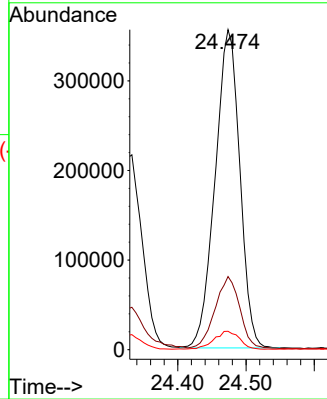
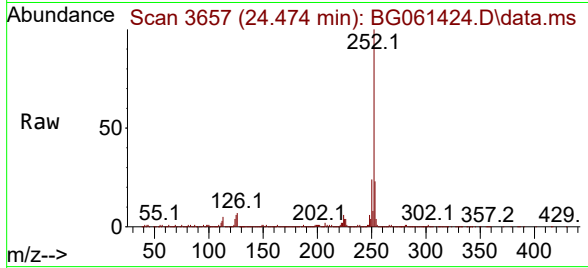
#93
Benzo(a)pyrene
Concen: 49.849 ng/ul
RT: 24.474 min Scan# 30
Delta R.T. 0.024 min
Lab File: BG061424.D
Acq: 3 Jun 2024 15:26

Instrument :
BNA_G
ClientSampleId :
BHBN7

Tgt Ion:252 Resp: 89434
Ion Ratio Lower Upper
252 100
253 22.8 16.4 24.6
125 5.7 4.3 6.5

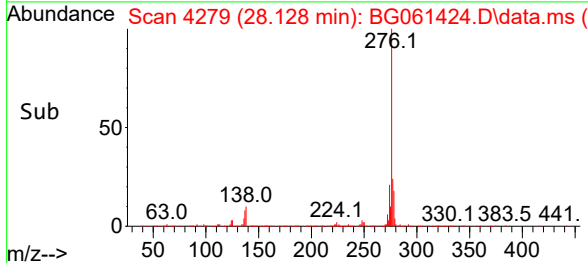
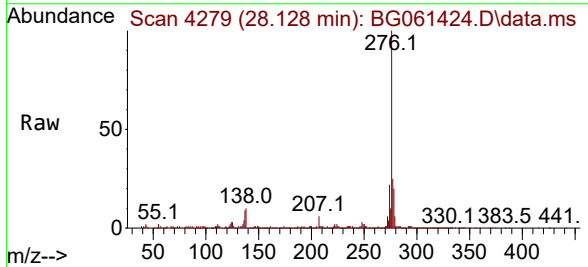
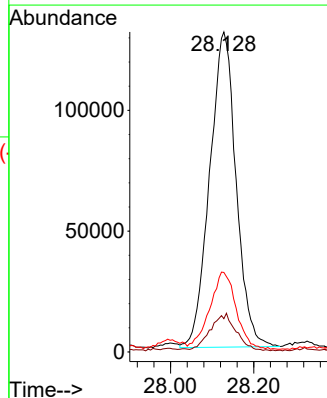
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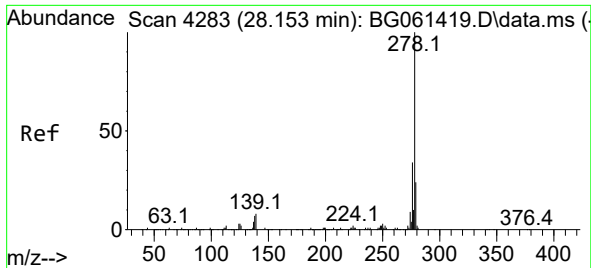
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#94
Indeno(1,2,3-cd)pyrene
Concen: 26.552 ng/ul
RT: 28.128 min Scan# 4279
Delta R.T. 0.036 min
Lab File: BG061424.D
Acq: 3 Jun 2024 15:26

Tgt Ion:276 Resp: 576063
Ion Ratio Lower Upper
276 100
138 10.4 8.6 13.0
277 24.8 19.7 29.5





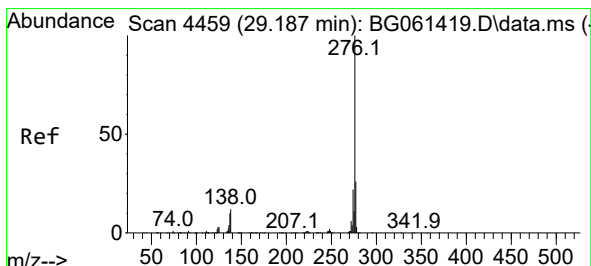
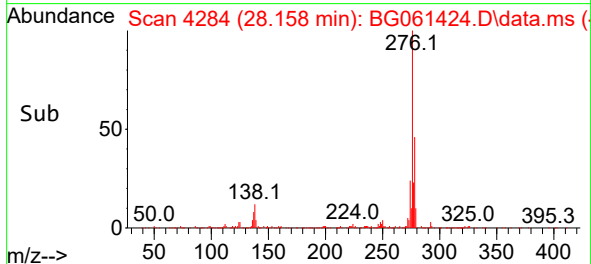
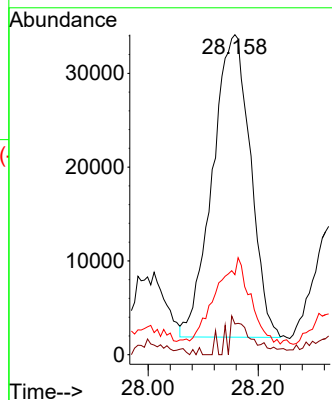
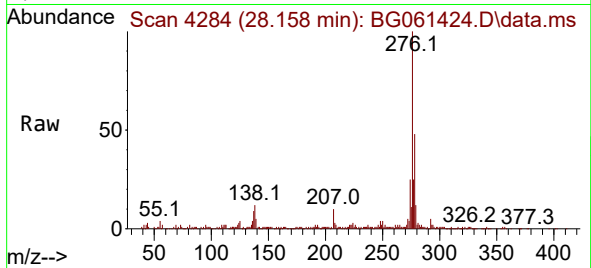
#95
Dibenzo(a,h)anthracene
Concen: 8.630 ng/ul
RT: 28.158 min Scan# 41
Delta R.T. 0.018 min
Lab File: BG061424.D
Acq: 3 Jun 2024 15:26

Instrument :
BNA_G
ClientSampleId :
BHBN7

Tgt Ion:278 Resp: 15438
Ion Ratio Lower Upper
278 100
139 9.6 6.4 9.6
279 25.0 19.9 29.9

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



#96
Benzo(g,h,i)perylene
Concen: 28.935 ng/ul m
RT: 29.215 min Scan# 4464
Delta R.T. 0.041 min
Lab File: BG061424.D
Acq: 3 Jun 2024 15:26

Tgt Ion:276 Resp: 499424
Ion Ratio Lower Upper
276 100
138 11.7 8.7 13.1
277 24.6 18.2 27.2

