

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
 Data File : BG061383.D
 Acq On : 31 May 2024 7:29
 Operator : MA/JU
 Sample : P2570-11
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH6C0

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/31/2024
 Supervised By :mohammad ahmed 06/01/2024

Quant Time: May 31 08:04:45 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	7.872	152	28191	20.000	ng/u1	0.00
20) Naphthalene-d8	10.663	136	110239	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.506	164	80531	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.255	188	181250	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.515	240	188594	20.000	ng/u1	0.00
88) Perylene-d12	24.600	264	221234	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.337	96	2479	4.921	ng/uL	0.00
4) Pyridine-d5	3.742	84	38926	21.721	ng/u1	0.00
7) Phenol-d5	7.056	99	61868	26.724	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.203	67	39360	27.049	ng/u1	0.00
11) 2-Chlorophenol-d4	7.414	132	51966	30.330	ng/u1	0.00
15) 4-Methylphenol-d8	8.589	113	49467	25.059	ng/u1	0.00
21) Nitrobenzene-d5	9.030	128	26411	31.117	ng/u1	0.00
24) 2-Nitrophenol-d4	9.752	143	29793	29.993	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.299	165	60584	31.285	ng/u1	0.00
31) 4-Chloroaniline-d4	10.804	131	62144	24.529	ng/u1	0.00
46) Dimethylphthalate-d6	13.912	166	194016	31.063	ng/u1	0.00
49) Acenaphthylene-d8	14.200	160	213551	32.888	ng/u1	0.00
54) 4-Nitrophenol-d4	14.747	143	19254m	24.934	ng/u1	0.00
60) Fluorene-d10	15.505	176	174650	32.388	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.640	200	22814	20.811	ng/u1	0.00
73) Anthracene-d10	17.355	188	270717	33.879	ng/u1	0.00
81) Pyrene-d10	19.653	212	337084	34.810	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.388	264	367211	34.525	ng/u1	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.716	128	40819	7.015	ng/u1	99
36) 2-Methylnaphthalene	12.326	142	6481	1.536	ng/u1	92
52) Acenaphthene	14.570	153	31593	6.689	ng/u1	95
56) Dibenzofuran	14.905	168	22482	3.329	ng/u1	98
61) Fluorene	15.557	166	22334	3.822	ng/u1	97
72) Phenanthrene	17.302	178	352114	40.026	ng/u1	99
74) Anthracene	17.391	178	67904	7.465	ng/u1	97
77) Carbazole	17.661	167	48438	6.547	ng/u1	97
80) Fluoranthene	19.318	202	612358	52.714	ng/u1	99
82) Pyrene	19.682	202	547759	45.427	ng/u1	100
85) Benzo(a)anthracene	21.492	228	373432	28.697	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.404	149	16235	2.648	ng/u1#	97
87) Chrysene	21.556	228	355652	29.682	ng/u1	97
90) Benzo(b)fluoranthene	23.624	252	527115	40.017	ng/u1	99
91) Benzo(k)fluoranthene	23.683	252	187495m	14.021	ng/u1	
93) Benzo(a)pyrene	24.459	252	390108	31.189	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.096	276	249523	16.497	ng/u1	98
95) Dibenzo(a,h)anthracene	28.131	278	62887	5.042	ng/u1#	95
96) Benzo(g,h,i)perylene	29.183	276	235074m	19.536	ng/u1	

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

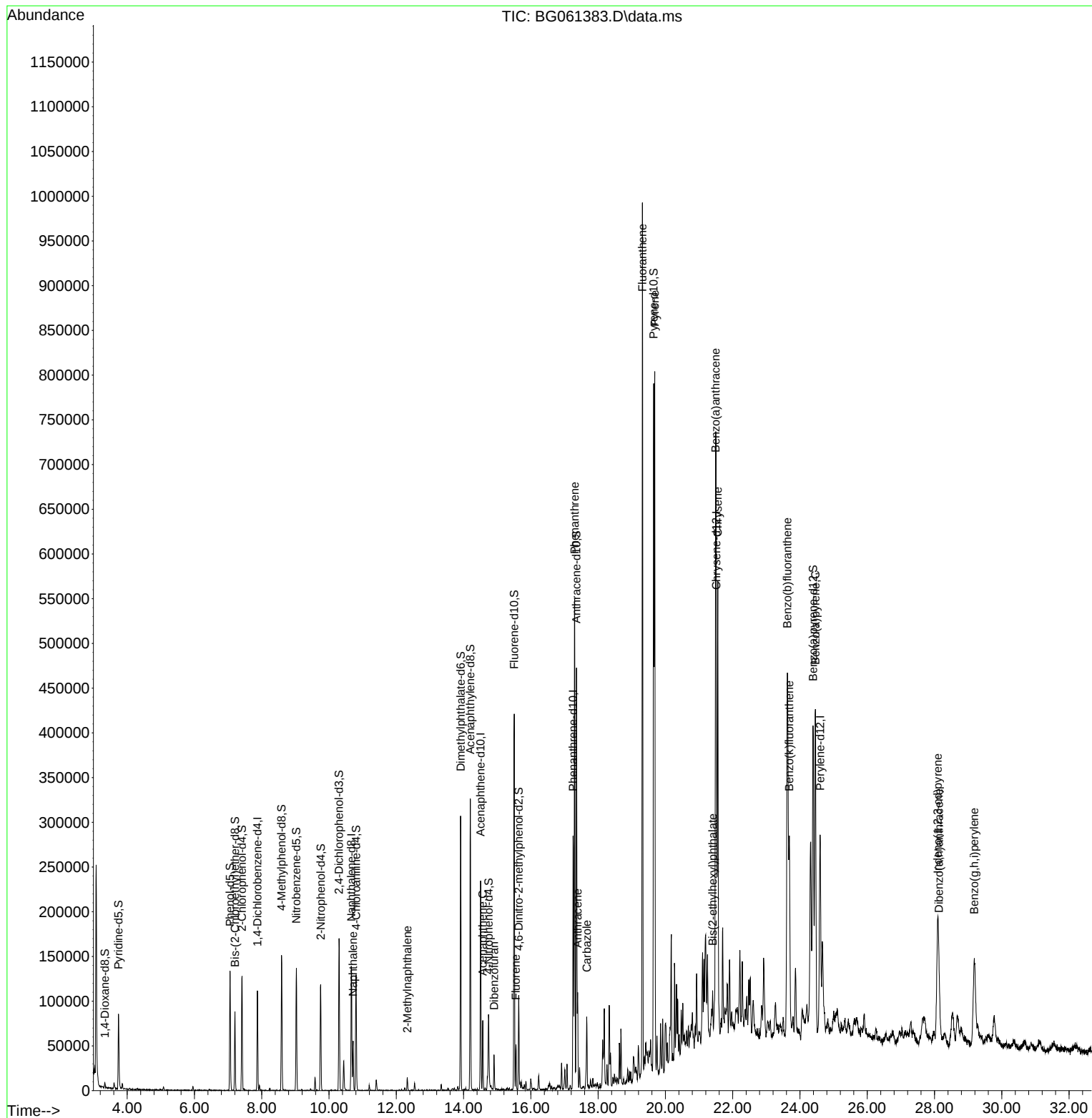
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
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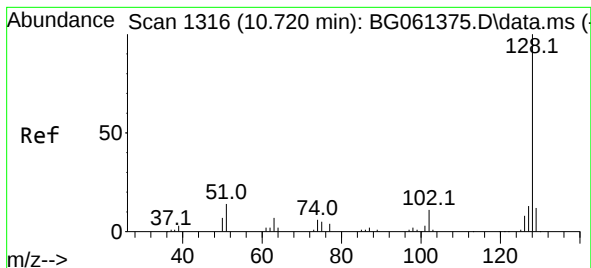
Instrument :
 BNA_G
 ClientSampleId :
 BH6C0

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/31/2024
 Supervised By :mohammad ahmed 06/01/2024

Quant Time: May 31 08:04:45 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





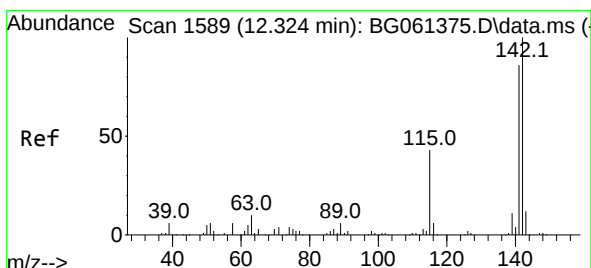
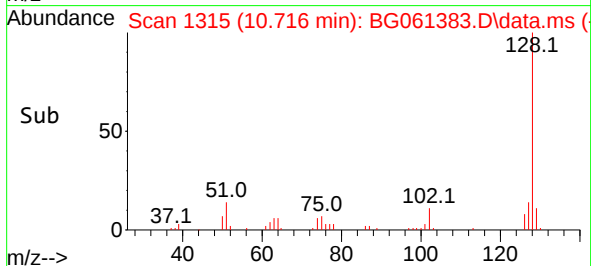
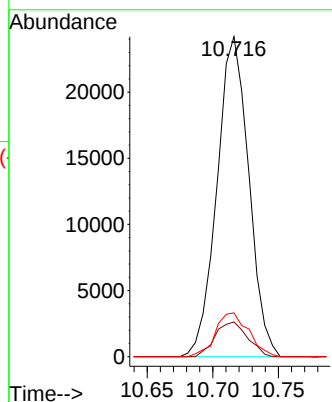
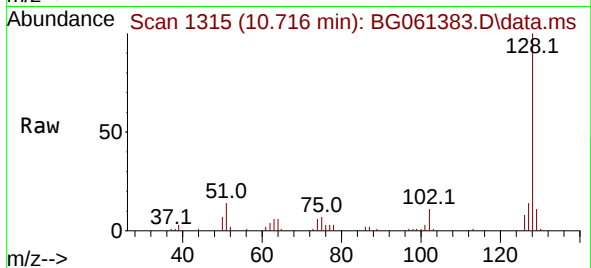
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Naphthalene
Concen: 7.015 ng/ul
RT: 10.716 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG061383.D
Acq: 31 May 2024 7:29

Instrument :
BNA_G
ClientSampleId :
BH6C0

Tgt Ion:128 Resp: 40819
Ion Ratio Lower Upper
128 100
129 10.9 8.6 12.8
127 13.7 10.8 16.2

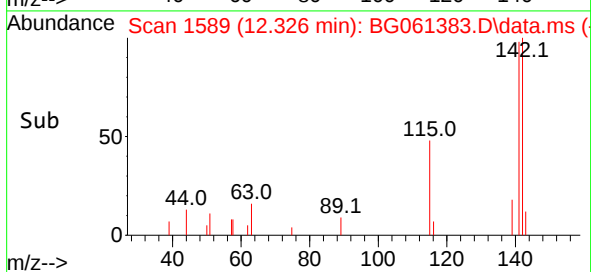
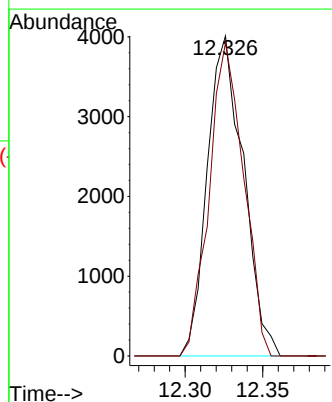
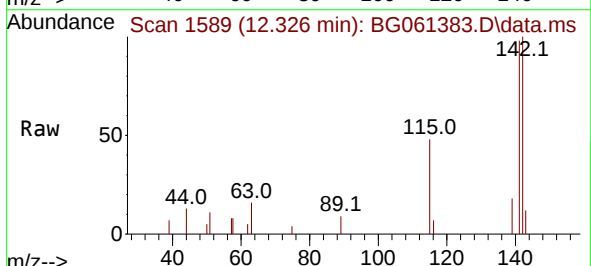
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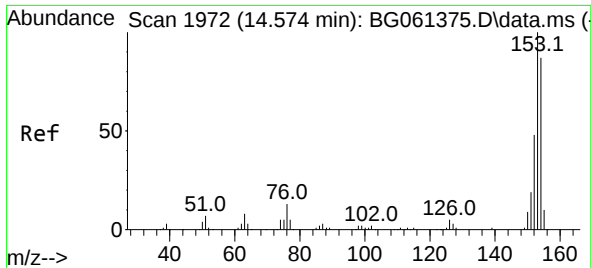
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024



#36
2-Methylnaphthalene
Concen: 1.536 ng/ul
RT: 12.326 min Scan# 1589
Delta R.T. -0.003 min
Lab File: BG061383.D
Acq: 31 May 2024 7:29

Tgt Ion:142 Resp: 6481
Ion Ratio Lower Upper
142 100
141 97.8 72.2 108.2





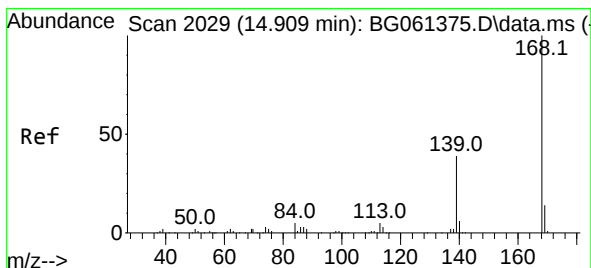
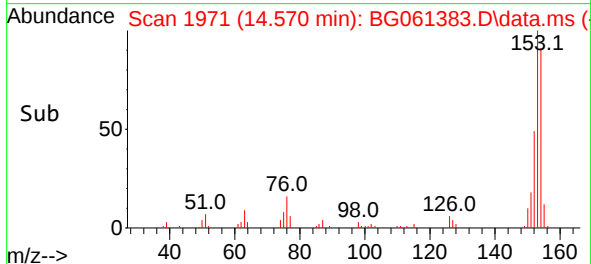
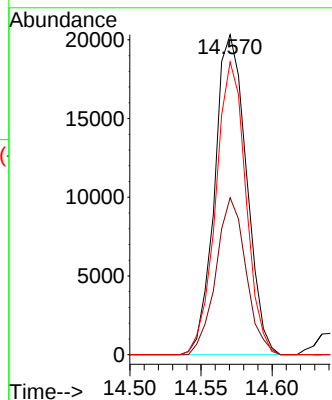
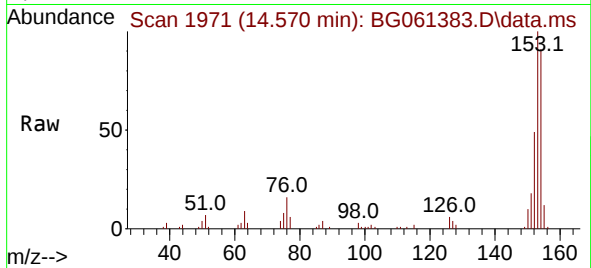
#52
Acenaphthene
Concen: 6.689 ng/u1
RT: 14.570 min Scan# 1972
Delta R.T. -0.003 min
Lab File: BG061383.D
Acq: 31 May 2024 7:29

Instrument :
BNA_G
ClientSampleId :
BH6C0

Tgt Ion:153 Resp: 3159
Ion Ratio Lower Upper
153 100
152 49.1 37.8 56.8
154 91.5 69.0 103.6

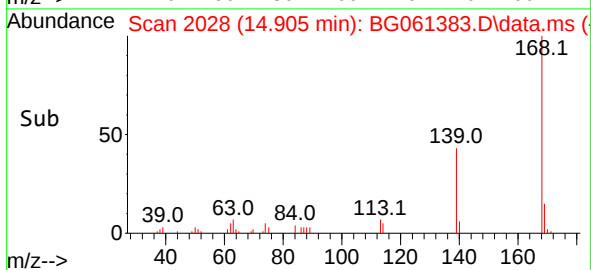
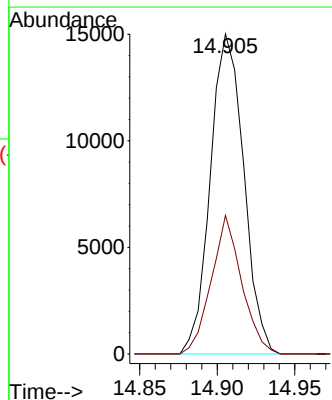
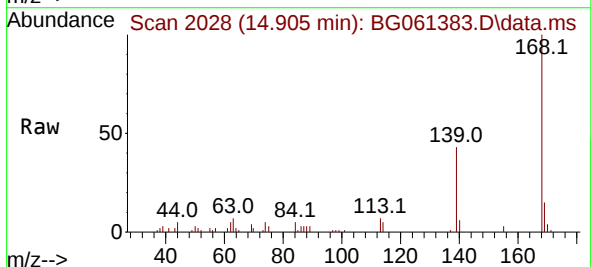
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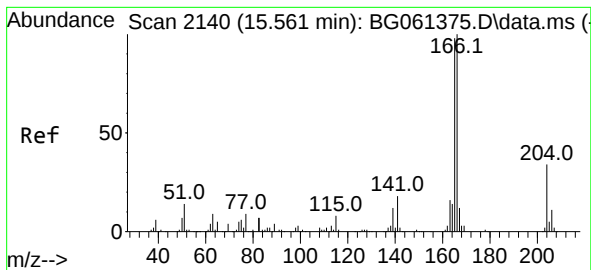
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024



#56
Dibenzofuran
Concen: 3.329 ng/u1
RT: 14.905 min Scan# 2028
Delta R.T. -0.003 min
Lab File: BG061383.D
Acq: 31 May 2024 7:29

Tgt Ion:168 Resp: 22482
Ion Ratio Lower Upper
168 100
139 43.3 33.4 50.2





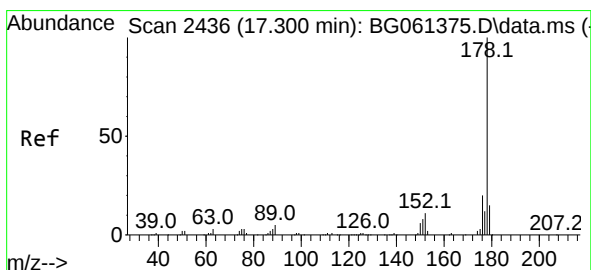
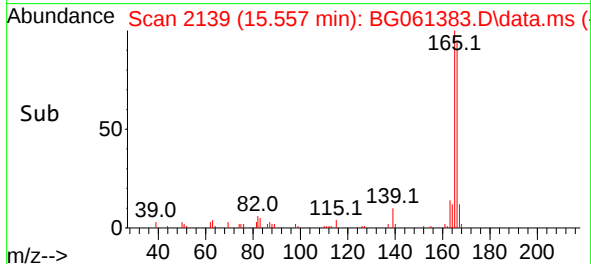
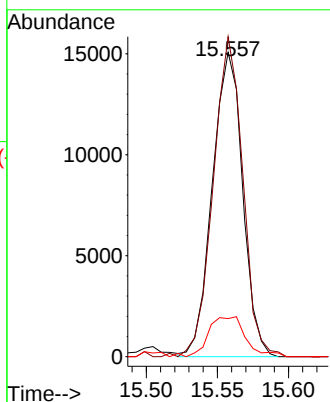
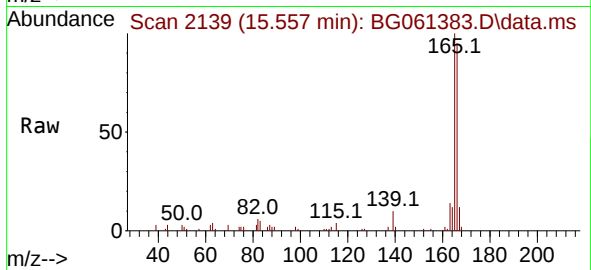
#61
Fluorene
Concen: 3.822 ng/u1
RT: 15.557 min Scan# 2140
Delta R.T. -0.003 min
Lab File: BG061383.D
Acq: 31 May 2024 7:29

Instrument :
BNA_G
ClientSampleId :
BH6C0

Tgt Ion:166 Resp: 22334
Ion Ratio Lower Upper
166 100
165 105.1 81.8 122.8
167 12.5 10.6 16.0

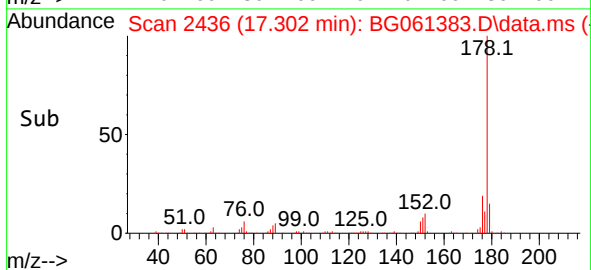
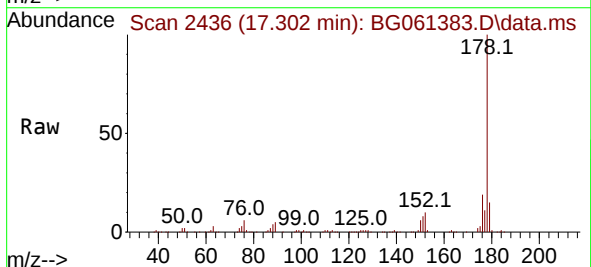
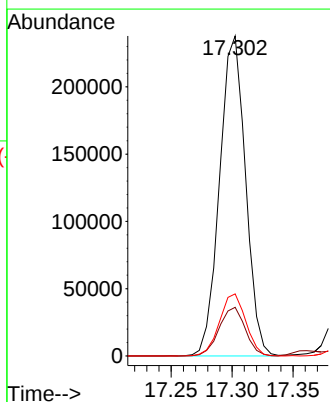
Manual Integrations
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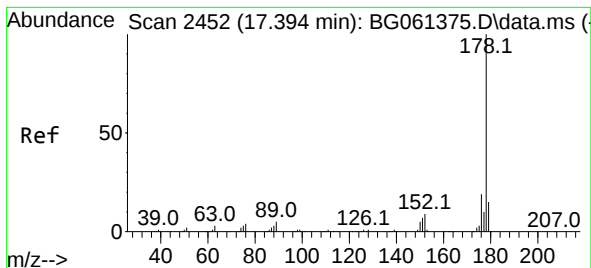
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024



#72
Phenanthrene
Concen: 40.026 ng/u1
RT: 17.302 min Scan# 2436
Delta R.T. 0.003 min
Lab File: BG061383.D
Acq: 31 May 2024 7:29

Tgt Ion:178 Resp: 352114
Ion Ratio Lower Upper
178 100
179 15.2 12.7 19.1
176 19.4 15.5 23.3





#74

Anthracene

Concen: 7.465 ng/ul

RT: 17.391 min Scan# 2452

Delta R.T. -0.003 min

Lab File: BG061383.D

Acq: 31 May 2024 7:29

Instrument :

BNA_G

ClientSampleId :

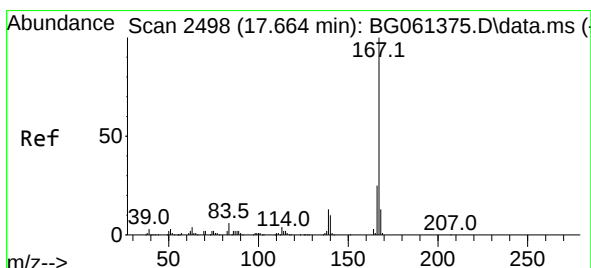
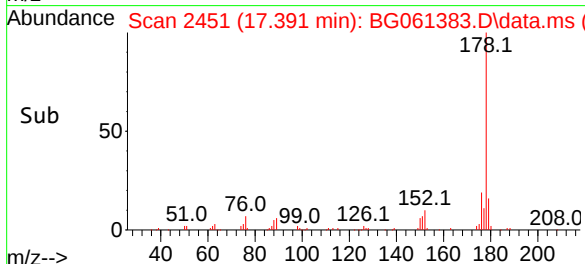
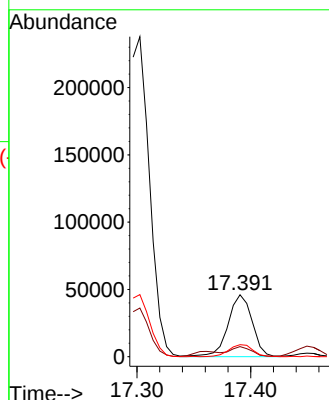
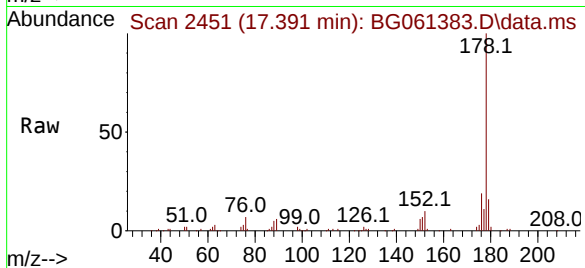
BH6C0

Tgt Ion:178	Resp:	67904
Ion Ratio	Lower	Upper
178	100	
179	16.4	11.8 17.6
176	19.3	14.9 22.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/31/2024
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#77

Carbazole

Concen: 6.547 ng/ul

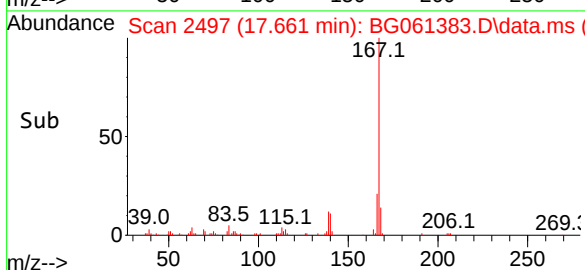
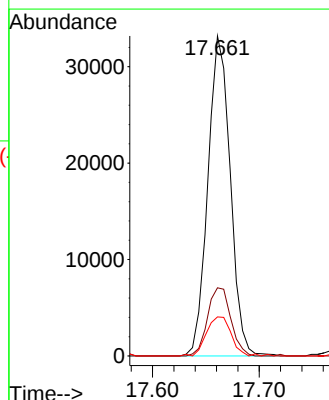
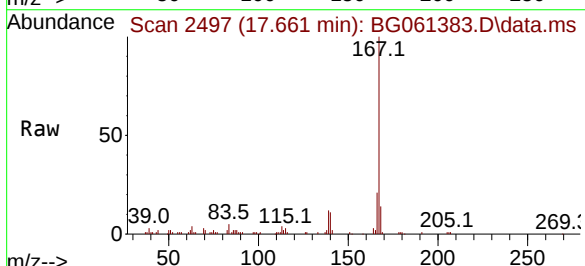
RT: 17.661 min Scan# 2497

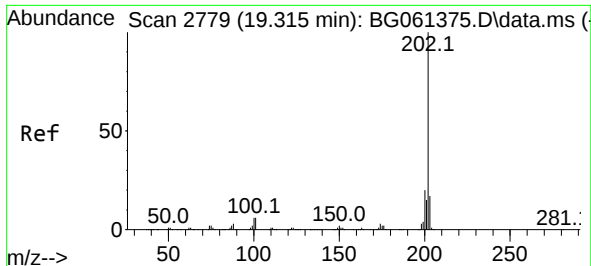
Delta R.T. -0.003 min

Lab File: BG061383.D

Acq: 31 May 2024 7:29

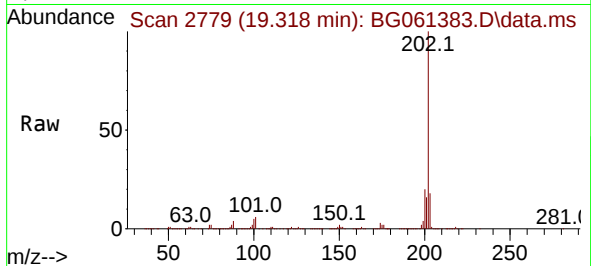
Tgt Ion:167	Resp:	48438
Ion Ratio	Lower	Upper
167	100	
166	21.3	18.6 28.0
139	12.2	10.6 15.8





#80
Fluoranthene
Concen: 52.714 ng/u1
RT: 19.318 min Scan# 2779
Delta R.T. 0.003 min
Lab File: BG061383.D
Acq: 31 May 2024 7:29

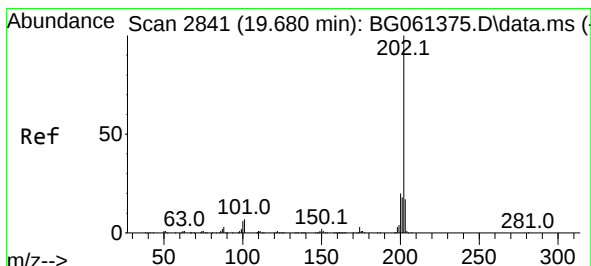
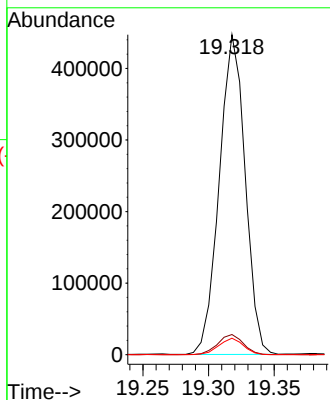
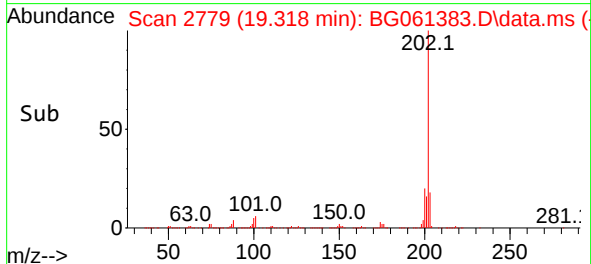
Instrument :
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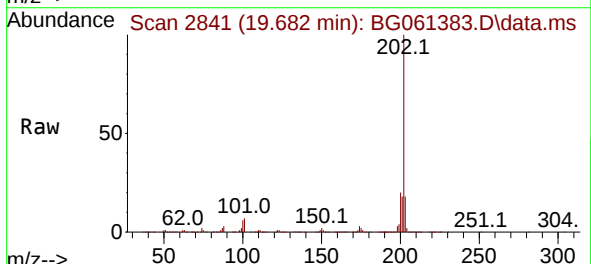
Tgt Ion:202 Resp: 612358
Ion Ratio Lower Upper
202 100
101 6.3 4.8 7.2
100 5.2 4.1 6.1

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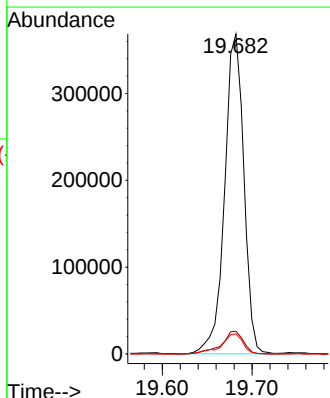
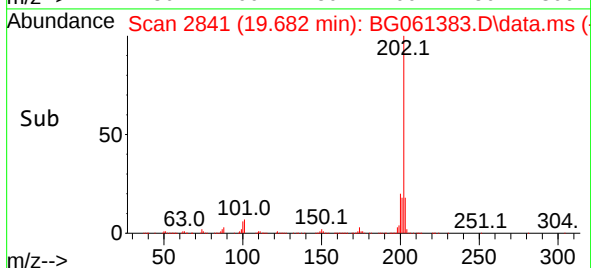
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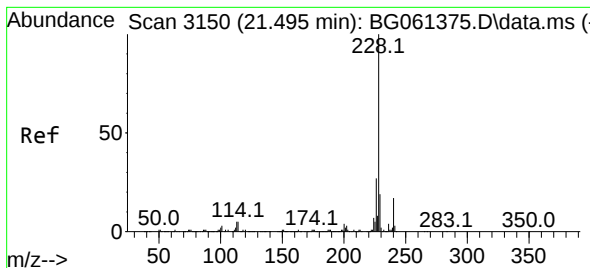


#82
Pyrene
Concen: 45.427 ng/u1
RT: 19.682 min Scan# 2841
Delta R.T. 0.003 min
Lab File: BG061383.D
Acq: 31 May 2024 7:29



Tgt Ion:202 Resp: 547759
Ion Ratio Lower Upper
202 100
101 7.1 5.7 8.5
100 6.3 5.1 7.7





#85

Benzo(a)anthracene

Concen: 28.697 ng/ul

RT: 21.492 min Scan# 3149

Delta R.T. -0.003 min

Lab File: BG061383.D

Acq: 31 May 2024 7:29

Instrument :

BNA_G

ClientSampleId :

BH6C0

Tgt Ion:228 Resp: 37343

Ion Ratio Lower Upper

228 100

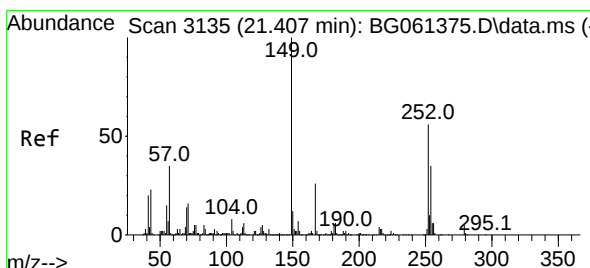
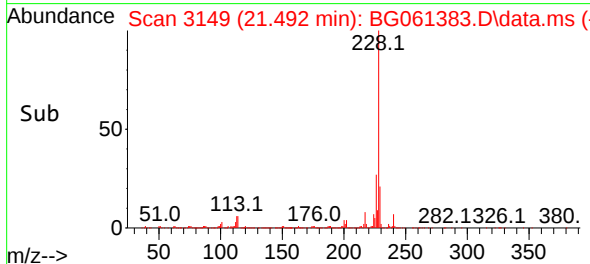
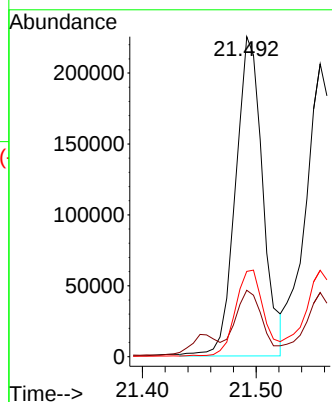
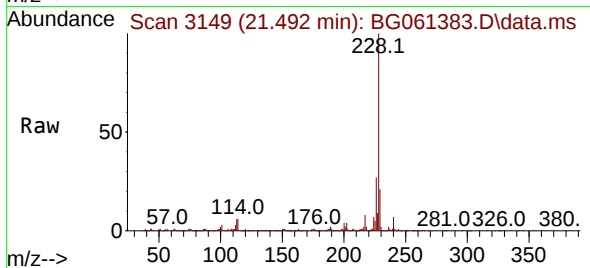
229 20.7 15.2 22.8

226 26.7 21.4 32.2

Manual Integrations

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Supervised By :mohammad ahmed 06/01/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 2.648 ng/ul

RT: 21.404 min Scan# 3134

Delta R.T. -0.003 min

Lab File: BG061383.D

Acq: 31 May 2024 7:29

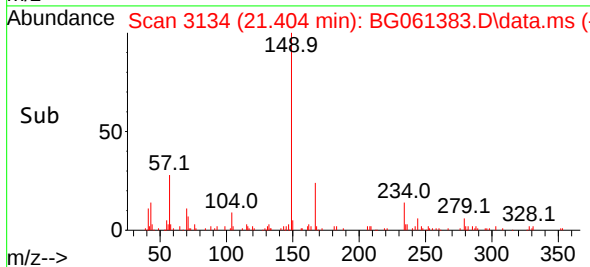
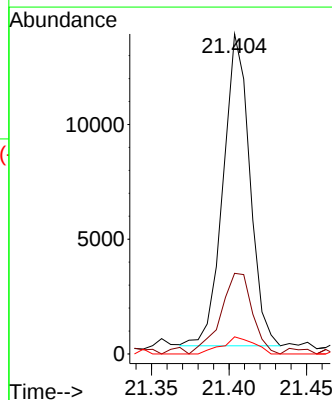
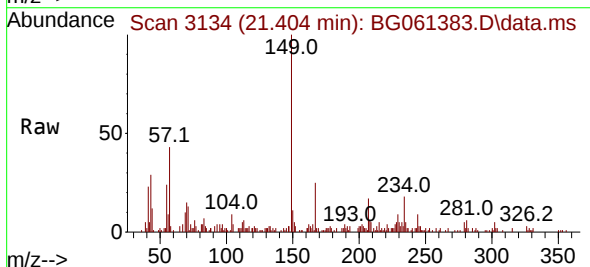
Tgt Ion:149 Resp: 16235

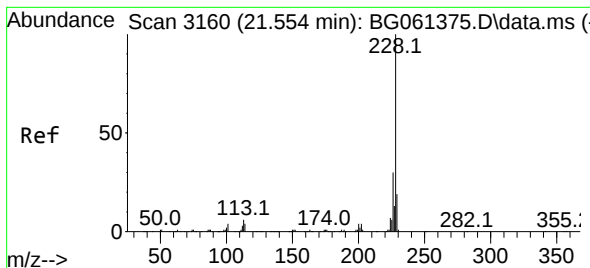
Ion Ratio Lower Upper

149 100

167 25.2 21.1 31.7

279 5.4 3.3 4.9#





#87

Chrysene

Concen: 29.682 ng/u1

RT: 21.556 min Scan# 3160

Delta R.T. 0.003 min

Lab File: BG061383.D

Acq: 31 May 2024 7:29

Instrument :

BNA_G

ClientSampleId :

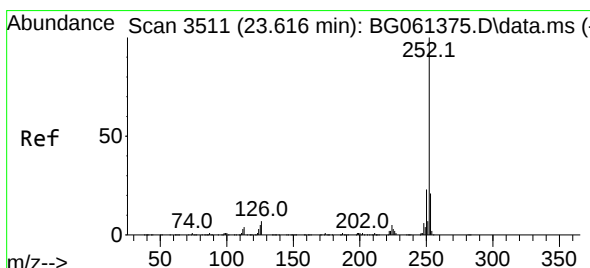
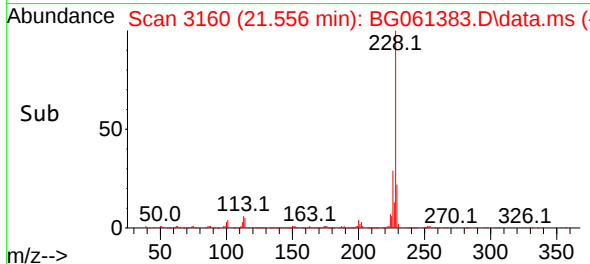
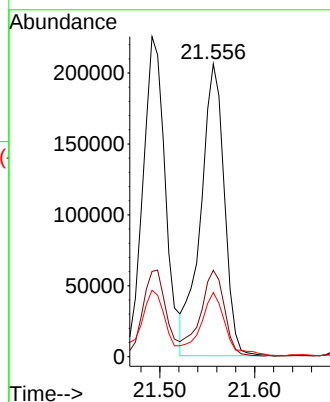
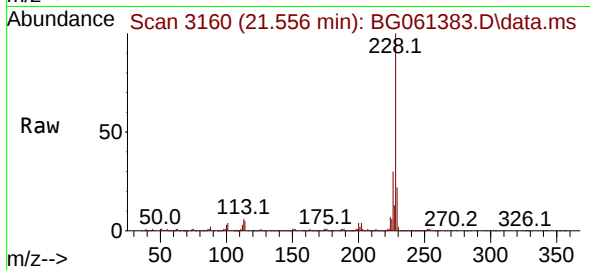
BH6C0

Tgt Ion:228	Resp: 355652
Ion Ratio	Lower Upper
228 100	
226 29.5	23.4 35.0
229 21.9	15.4 23.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024



#90

Benzo(b)fluoranthene

Concen: 40.017 ng/u1

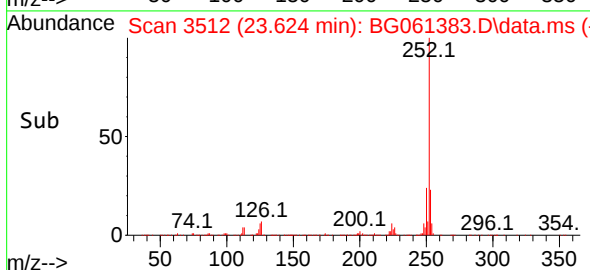
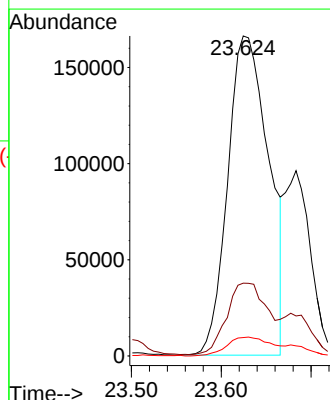
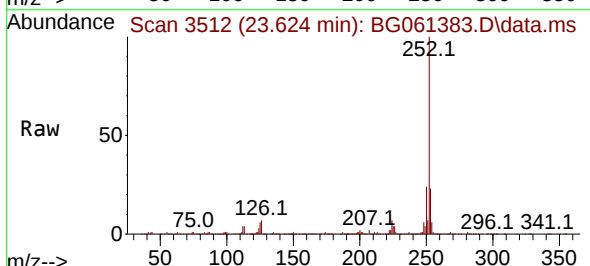
RT: 23.624 min Scan# 3512

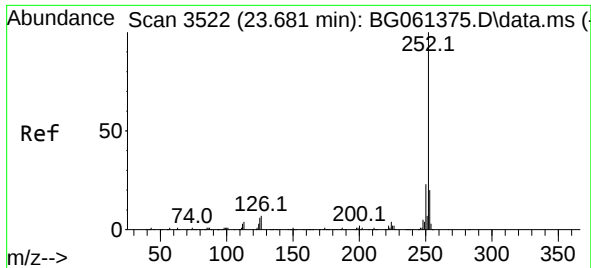
Delta R.T. 0.009 min

Lab File: BG061383.D

Acq: 31 May 2024 7:29

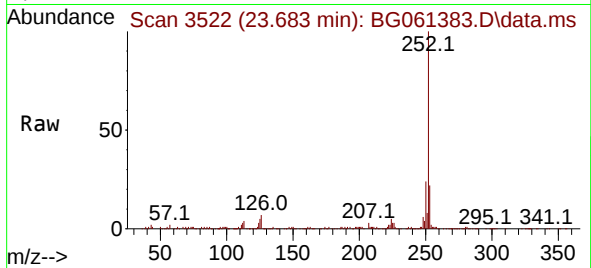
Tgt Ion:252	Resp: 527115
Ion Ratio	Lower Upper
252 100	
253 22.7	17.8 26.8
125 5.8	4.6 6.8





#91
Benzo(k)fluoranthene
Concen: 14.021 ng/ul m
RT: 23.683 min Scan# 3522
Delta R.T. 0.003 min
Lab File: BG061383.D
Acq: 31 May 2024 7:29

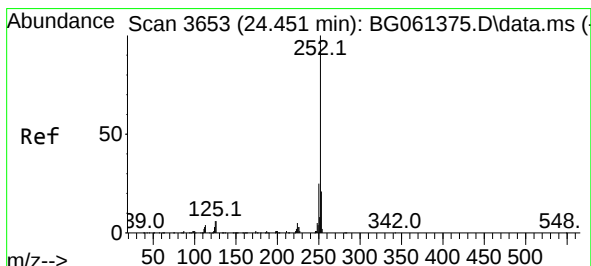
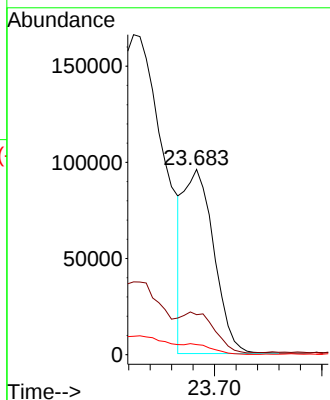
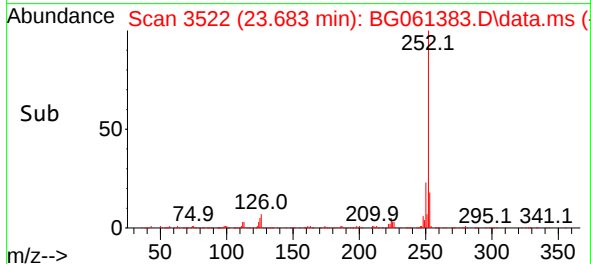
Instrument :
BNA_G
ClientSampleId :
BH6C0



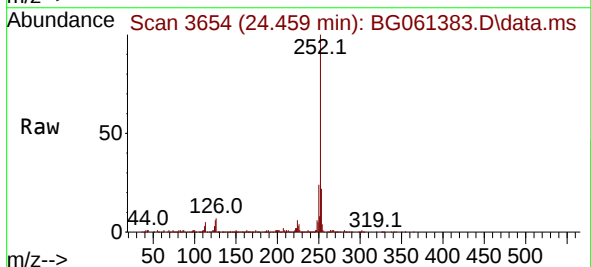
Tgt Ion:252 Resp: 187495
Ion Ratio Lower Upper
252 100
253 21.6 16.0 24.0
125 5.4 4.3 6.5

Manual Integrations
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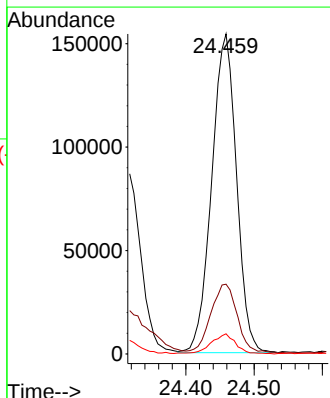
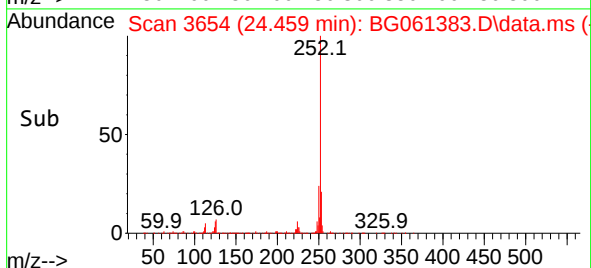
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024

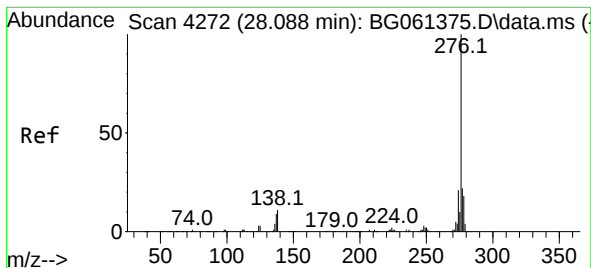


#93
Benzo(a)pyrene
Concen: 31.189 ng/ul
RT: 24.459 min Scan# 3654
Delta R.T. 0.009 min
Lab File: BG061383.D
Acq: 31 May 2024 7:29



Tgt Ion:252 Resp: 390108
Ion Ratio Lower Upper
252 100
253 21.8 16.4 24.6
125 6.3 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 16.497 ng/ul

RT: 28.096 min Scan# 41

Delta R.T. 0.003 min

Lab File: BG061383.D

Acq: 31 May 2024 7:29

Instrument :

BNA_G

ClientSampleId :

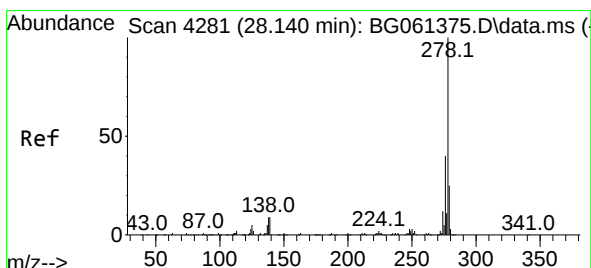
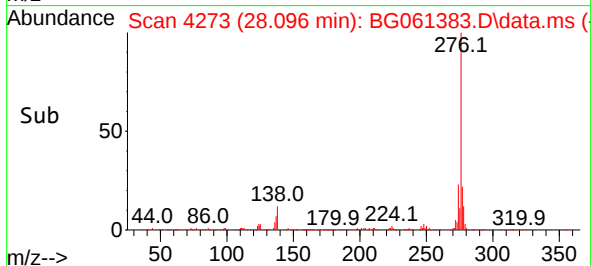
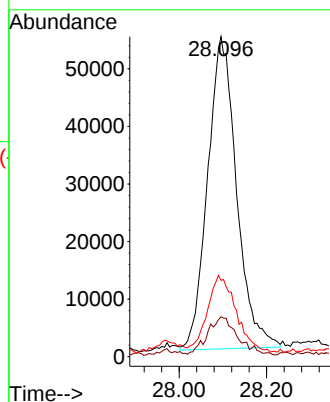
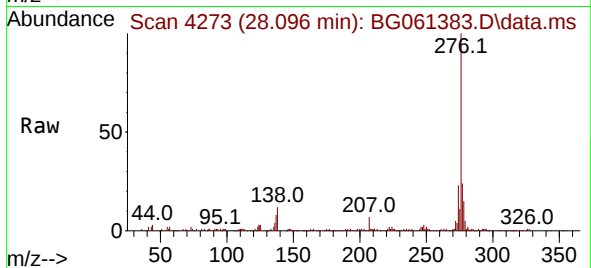
BH6C0

Tgt Ion:276 Resp: 24952
 Ion Ratio Lower Upper
 276 100
 138 12.5 8.6 13.0
 277 23.8 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/31/2024
 Supervised By :mohammad ahmed 06/01/2024



#95

Dibenzo(a,h)anthracene

Concen: 5.042 ng/ul

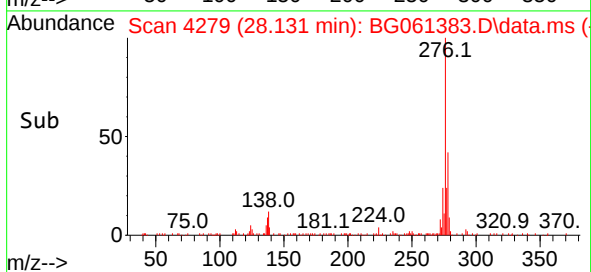
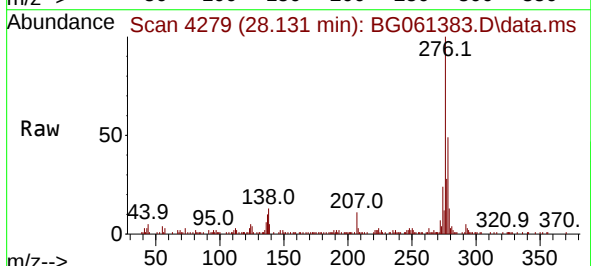
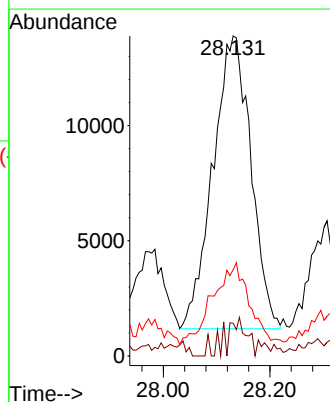
RT: 28.131 min Scan# 4279

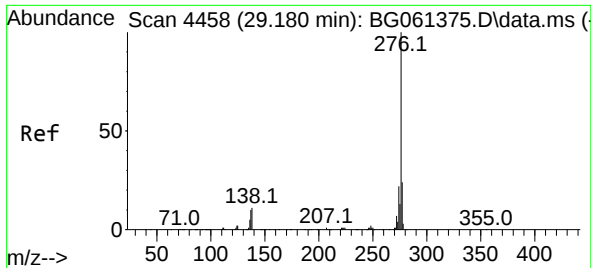
Delta R.T. -0.009 min

Lab File: BG061383.D

Acq: 31 May 2024 7:29

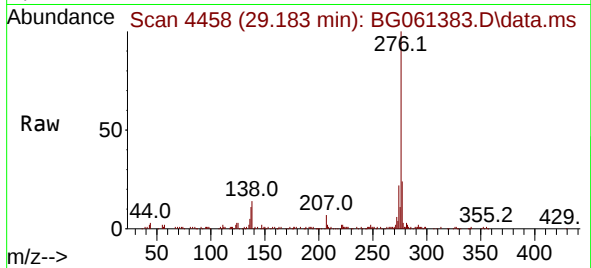
Tgt Ion:278 Resp: 62887
 Ion Ratio Lower Upper
 278 100
 139 10.2 6.4 9.6#
 279 27.0 19.9 29.9





#96
 Benzo(g,h,i)perylene
 Concen: 19.536 ng/ul m
 RT: 29.183 min Scan# 44
 Delta R.T. 0.009 min
 Lab File: BG061383.D
 Acq: 31 May 2024 7:29

Instrument :
 BNA_G
 ClientSampleId :
 BH6C0



Tgt Ion:276 Resp: 235074
 Ion Ratio Lower Upper
 276 100
 138 14.0 8.7 13.1
 277 24.3 18.2 27.2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/31/2024
 Supervised By :mohammad ahmed 06/01/2024

