

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061470.D
 Acq On : 5 Jun 2024 1:09
 Operator : MA/JU
 Sample : P2591-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5T0

Manual Integrations
 APPROVED

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

Quant Time: Jun 05 01:58:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.877	152	32513	20.000	ng/u1	0.00
20) Naphthalene-d8	10.667	136	124899	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.510	164	94465	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.266	188	214509	20.000	ng/u1	0.00
79) Chrysene-d12	21.519	240	231803	20.000	ng/u1	0.00
88) Perylene-d12	24.610	264	272607	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	2139	3.682	ng/uL	0.00
4) Pyridine-d5	3.740	84	32731	15.836	ng/u1	0.00
7) Phenol-d5	7.066	99	55024	20.608	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.201	67	32905	19.607	ng/u1	0.00
11) 2-Chlorophenol-d4	7.412	132	43821	22.177	ng/u1	0.00
15) 4-Methylphenol-d8	8.599	113	47529	20.877	ng/u1	0.00
21) Nitrobenzene-d5	9.028	128	23118	24.040	ng/u1	0.00
24) 2-Nitrophenol-d4	9.751	143	26562	23.601	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.309	165	53626	24.441	ng/u1	0.00
31) 4-Chloroaniline-d4	10.808	131	58330	20.321	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	173664	23.704	ng/u1	0.00
49) Acenaphthylene-d8	14.204	160	188674	24.770	ng/u1	0.00
54) 4-Nitrophenol-d4	14.763	143	16434m	18.143	ng/u1	0.02
60) Fluorene-d10	15.509	176	150818	23.843	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.656	200	20791	16.025	ng/u1	0.02
73) Anthracene-d10	17.360	188	239197	25.293	ng/u1	0.00
81) Pyrene-d10	19.657	212	287471	24.153	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.404	264	332445	25.366	ng/u1	0.02
Target Compounds					Qvalue	
30) Naphthalene	10.720	128	12472	1.892	ng/u1	97
36) 2-Methylnaphthalene	12.330	142	8712	1.822	ng/u1	95
52) Acenaphthene	14.575	153	10060	1.816	ng/u1	93
56) Dibenzofuran	14.909	168	18698	2.360	ng/u1	93
61) Fluorene	15.562	166	11252	1.642	ng/u1#	91
72) Phenanthrene	17.307	178	392278	37.678	ng/u1	99
74) Anthracene	17.395	178	73159	6.796	ng/u1	99
77) Carbazole	17.671	167	45903	5.243	ng/u1	96
80) Fluoranthene	19.328	202	668585	46.826	ng/u1	99
82) Pyrene	19.686	202	518925	35.014	ng/u1	99
85) Benzo(a)anthracene	21.502	228	333232	20.834	ng/u1	98
87) Chrysene	21.566	228	306033	20.780	ng/u1	97
90) Benzo(b)fluoranthene	23.635	252	411313	25.341	ng/u1	98
91) Benzo(k)fluoranthene	23.693	252	129234m	7.843	ng/u1	
93) Benzo(a)pyrene	24.469	252	259956	16.867	ng/u1#	95
94) Indeno(1,2,3-cd)pyrene	28.129	276	174836	9.381	ng/u1	96
95) Dibenzo(a,h)anthracene	28.153	278	53128m	3.457	ng/u1	
96) Benzo(g,h,i)perylene	29.216	276	154032m	10.388	ng/u1	

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

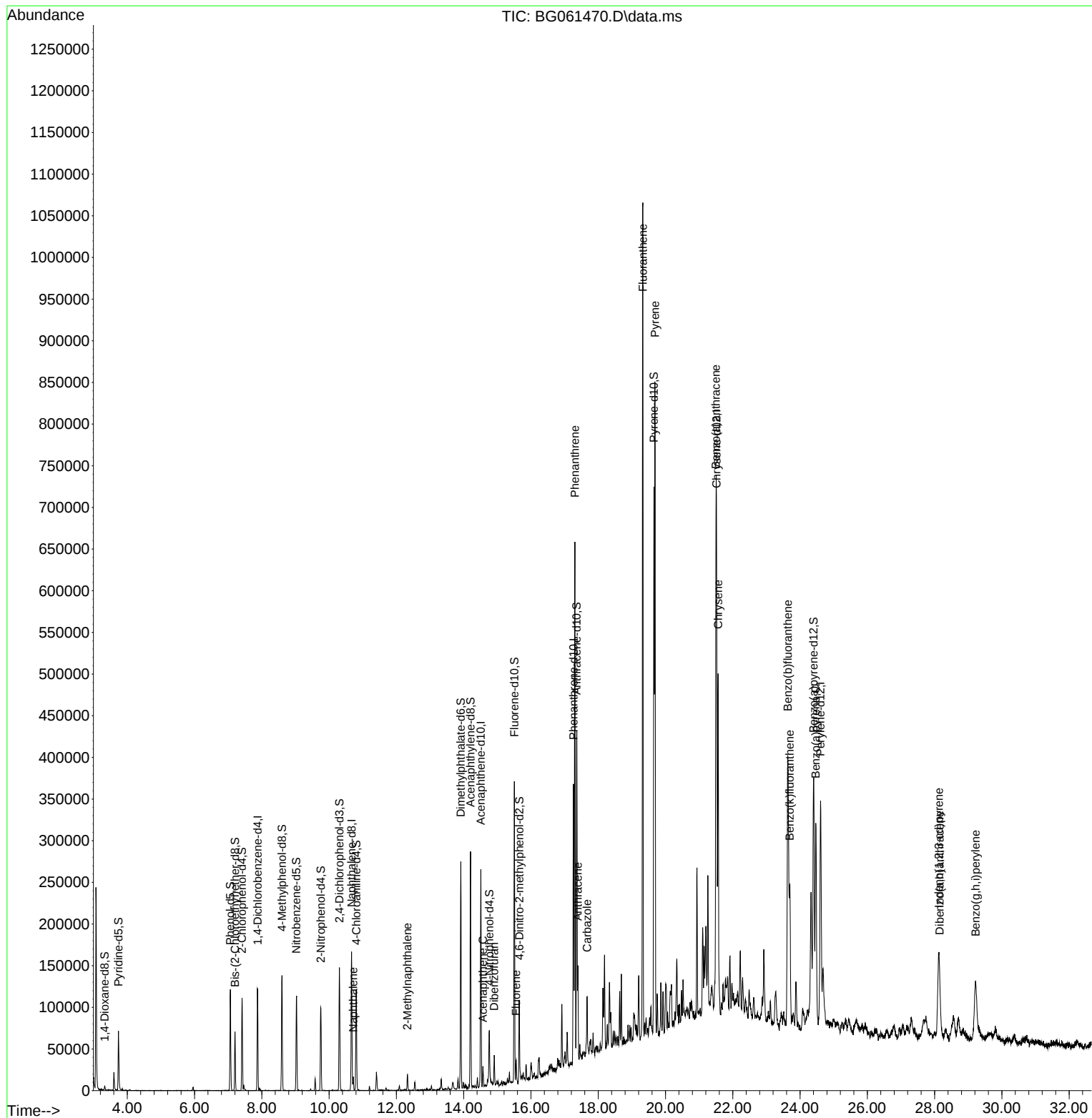
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
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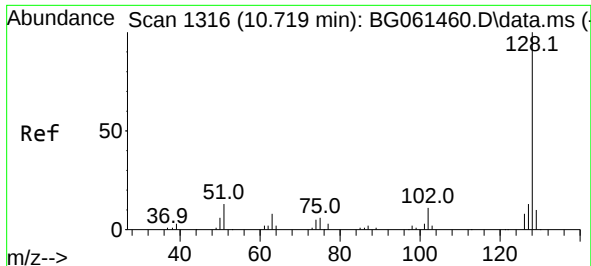
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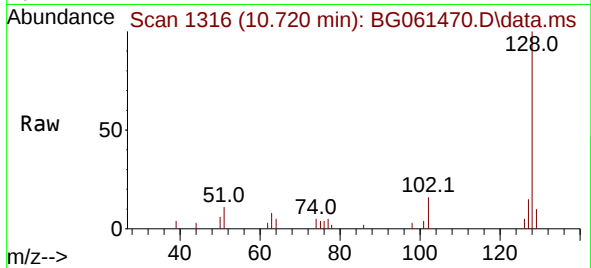
Quant Time: Jun 05 01:58:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
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#30
Naphthalene
Concen: 1.892 ng/ul
RT: 10.720 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG061470.D
Acq: 5 Jun 2024 1:09

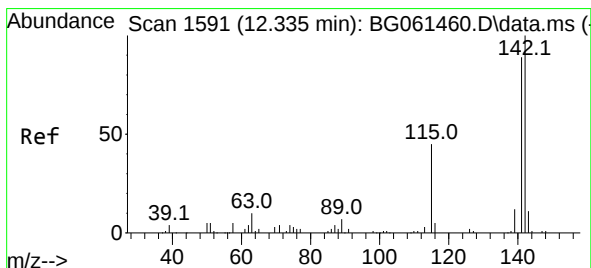
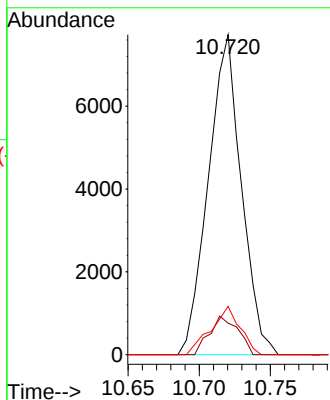
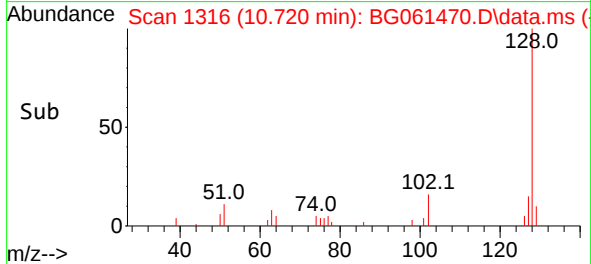
Instrument :
BNA_G
ClientSampleId :
BH5T0



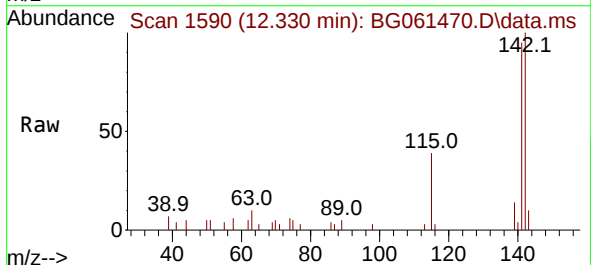
Tgt Ion:128 Resp: 12472
Ion Ratio Lower Upper
128 100
129 9.9 8.6 12.8
127 15.1 10.8 16.2

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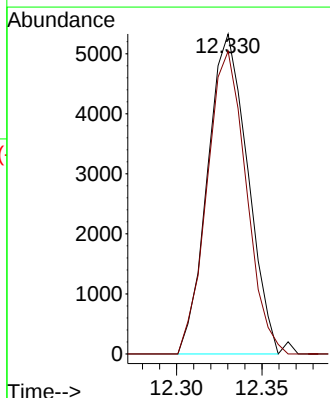
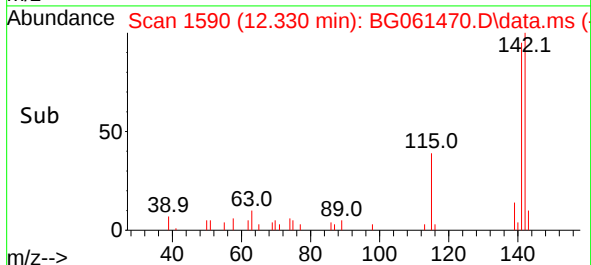
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

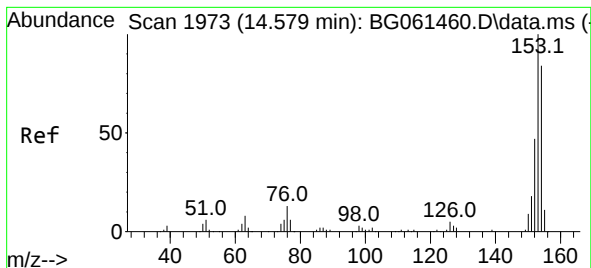


#36
2-Methylnaphthalene
Concen: 1.822 ng/ul
RT: 12.330 min Scan# 1590
Delta R.T. 0.001 min
Lab File: BG061470.D
Acq: 5 Jun 2024 1:09



Tgt Ion:142 Resp: 8712
Ion Ratio Lower Upper
142 100
141 94.6 72.2 108.2





#52

Acenaphthene

Concen: 1.816 ng/ul

RT: 14.575 min Scan# 1972

Delta R.T. 0.001 min

Lab File: BG061470.D

Acq: 5 Jun 2024 1:09

Instrument :

BNA_G

ClientSampleId :

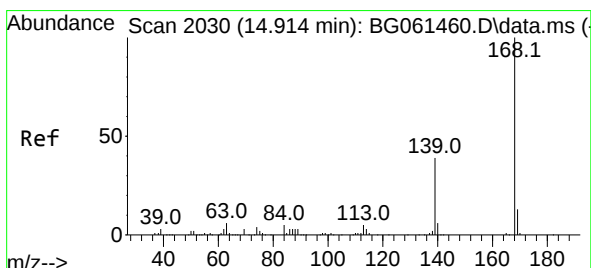
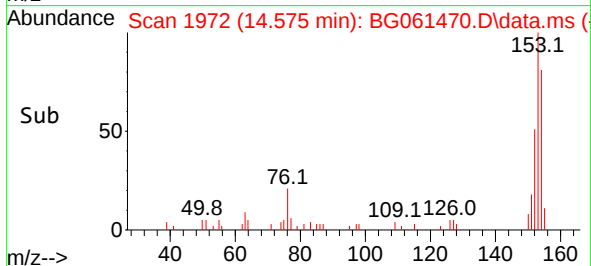
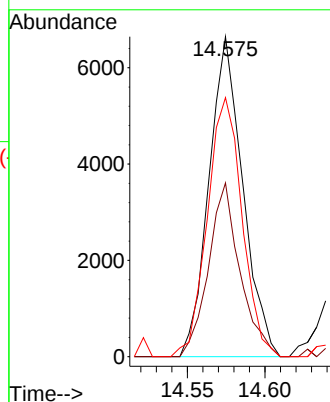
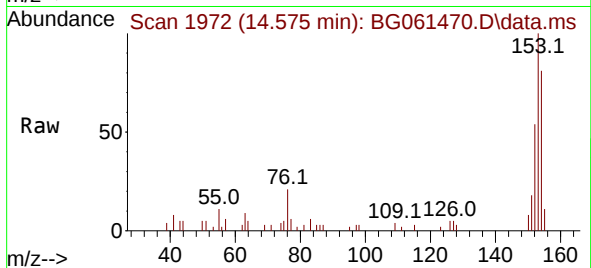
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Tgt Ion:	153	Resp:	1006
Ion Ratio	Lower	Upper	
153	100		
152	54.3	37.8	56.8
154	80.9	69.0	103.6

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#56

Dibenzofuran

Concen: 2.360 ng/ul

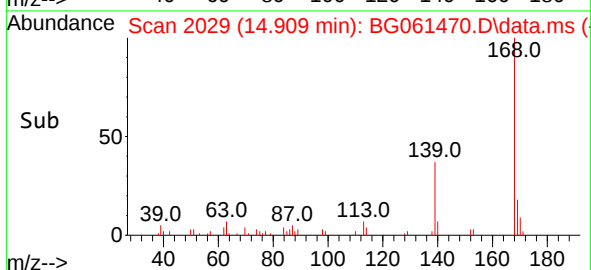
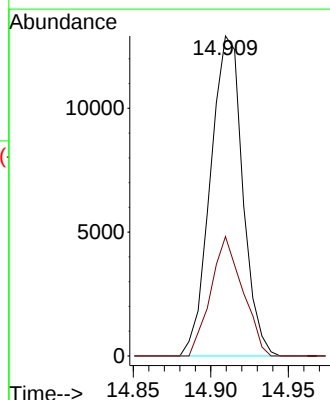
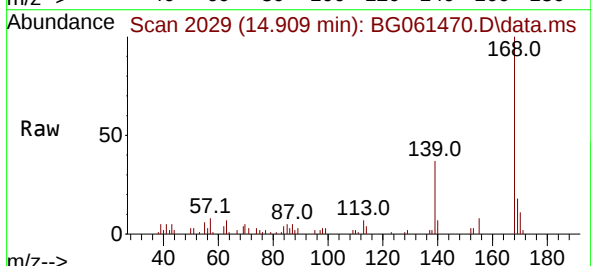
RT: 14.909 min Scan# 2029

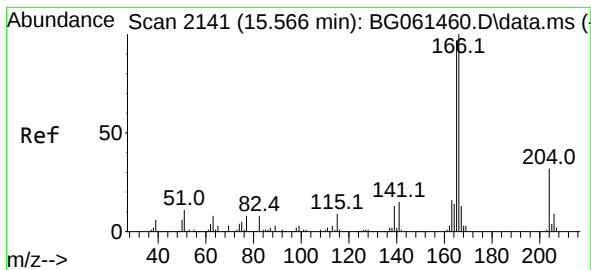
Delta R.T. 0.001 min

Lab File: BG061470.D

Acq: 5 Jun 2024 1:09

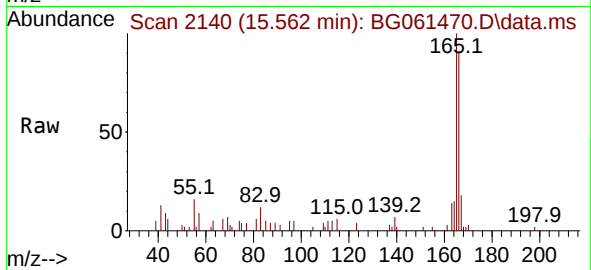
Tgt Ion:	168	Resp:	18698
Ion Ratio	Lower	Upper	
168	100		
139	37.3	33.4	50.2





#61
Fluorene
Concen: 1.642 ng/ul
RT: 15.562 min Scan# 2141
Delta R.T. 0.001 min
Lab File: BG061470.D
Acq: 5 Jun 2024 1:09

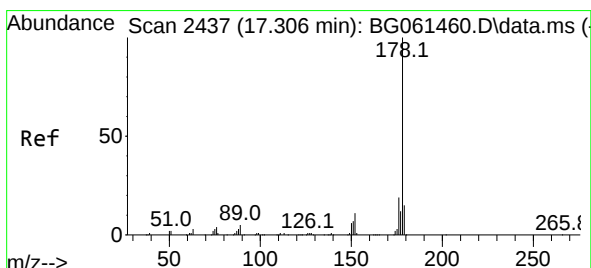
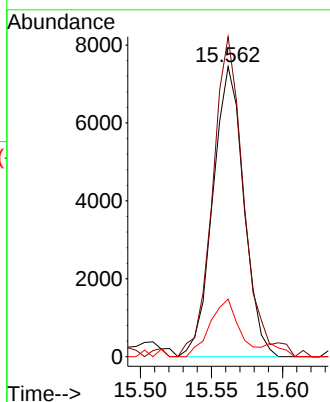
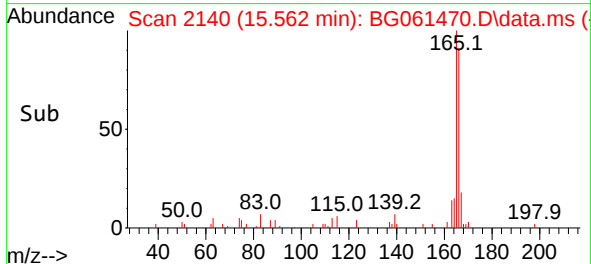
Instrument :
BNA_G
ClientSampleId :
BH5T0



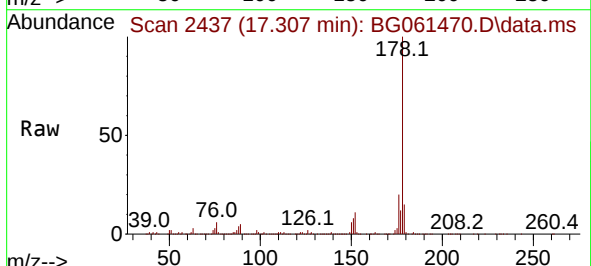
Tgt Ion:166 Resp: 11252
Ion Ratio Lower Upper
166 100
165 110.3 81.8 122.8
167 19.9 10.6 16.0

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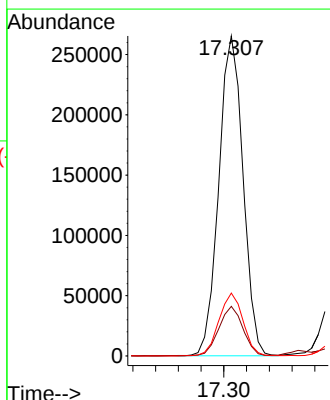
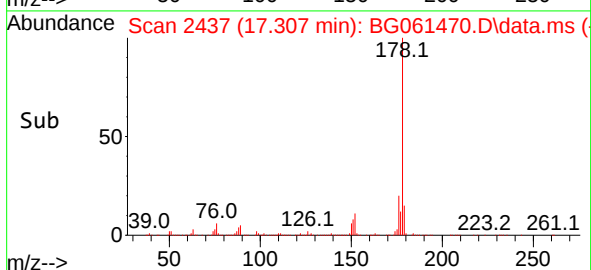
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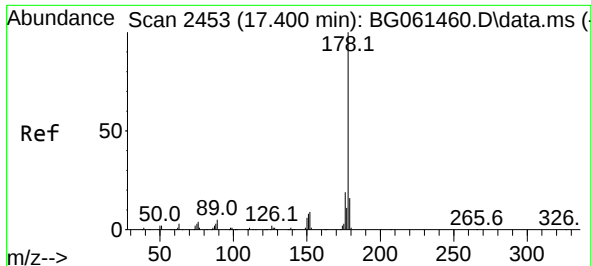


#72
Phenanthrene
Concen: 37.678 ng/ul
RT: 17.307 min Scan# 2437
Delta R.T. 0.007 min
Lab File: BG061470.D
Acq: 5 Jun 2024 1:09



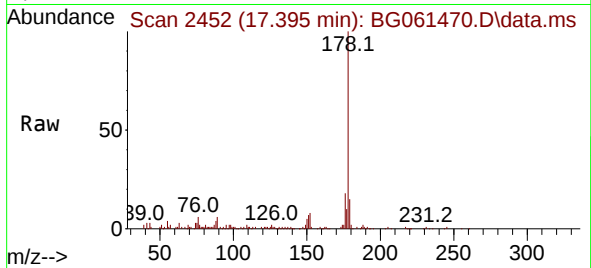
Tgt Ion:178 Resp: 392278
Ion Ratio Lower Upper
178 100
179 15.5 12.7 19.1
176 19.7 15.5 23.3





#74
 Anthracene
 Concen: 6.796 ng/ul
 RT: 17.395 min Scan# 2453
 Delta R.T. 0.001 min
 Lab File: BG061470.D
 Acq: 5 Jun 2024 1:09

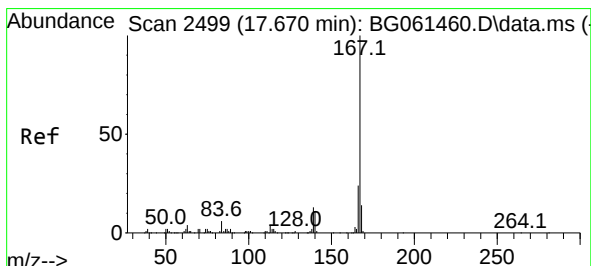
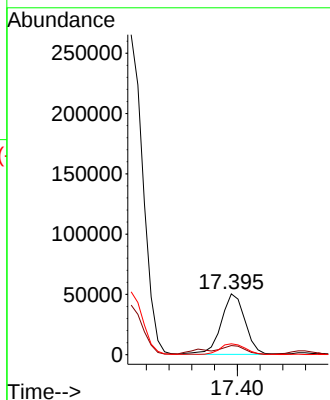
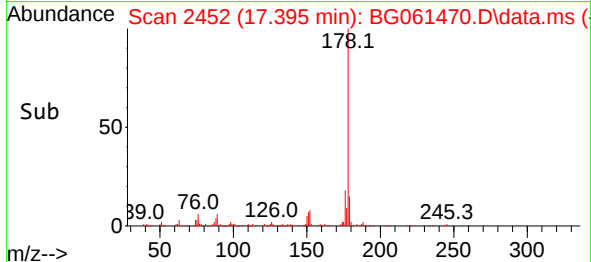
Instrument :
 BNA_G
 ClientSampleId :
 BH5T0



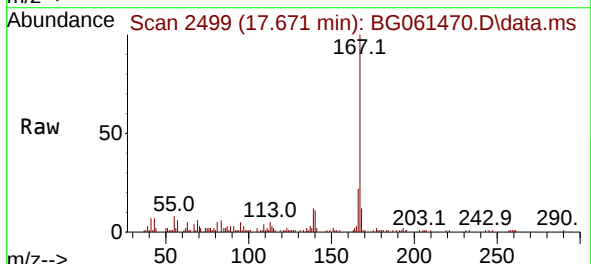
Tgt Ion:178 Resp: 7315
 Ion Ratio Lower Upper
 178 100
 179 15.1 11.8 17.6
 176 18.0 14.9 22.3

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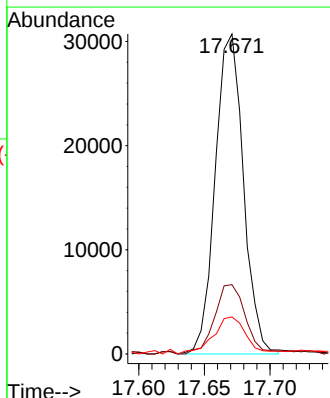
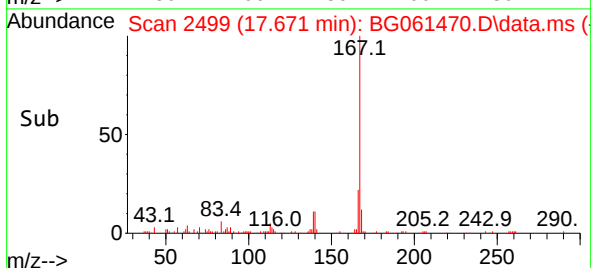
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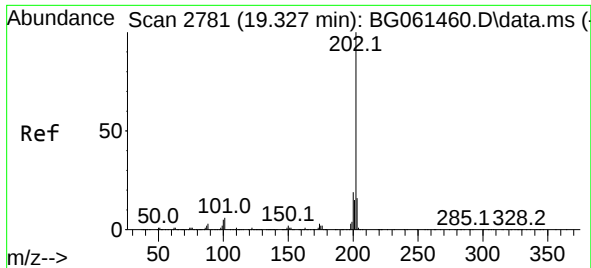


#77
 Carbazole
 Concen: 5.243 ng/ul
 RT: 17.671 min Scan# 2499
 Delta R.T. 0.007 min
 Lab File: BG061470.D
 Acq: 5 Jun 2024 1:09



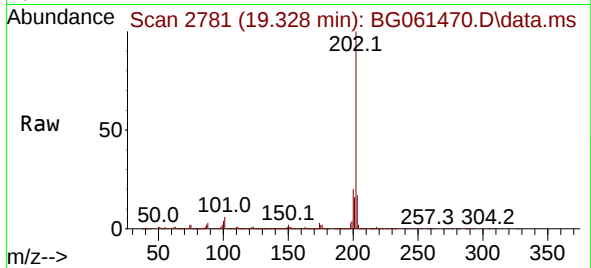
Tgt Ion:167 Resp: 45903
 Ion Ratio Lower Upper
 167 100
 166 21.6 18.6 28.0
 139 11.5 10.6 15.8





#80
Fluoranthene
Concen: 46.826 ng/ul
RT: 19.328 min Scan# 2781
Delta R.T. 0.013 min
Lab File: BG061470.D
Acq: 5 Jun 2024 1:09

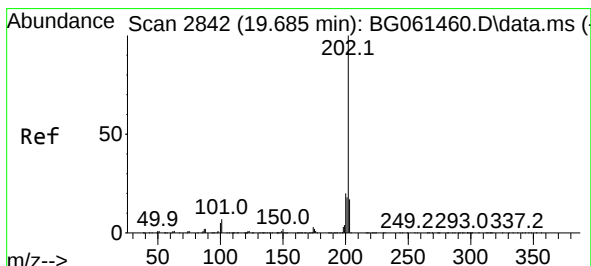
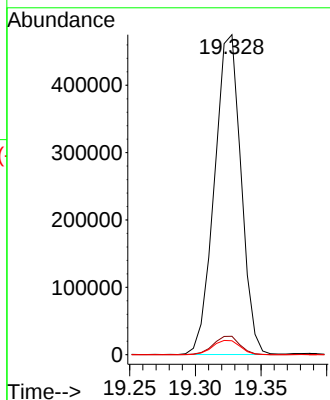
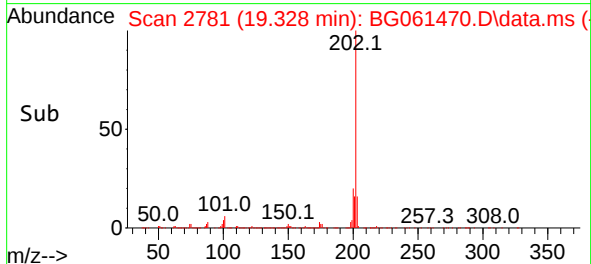
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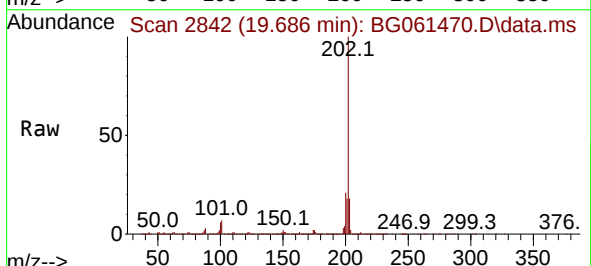
Tgt Ion:202 Resp: 66858
Ion Ratio Lower Upper
202 100
101 5.8 4.8 7.2
100 4.3 4.1 6.1

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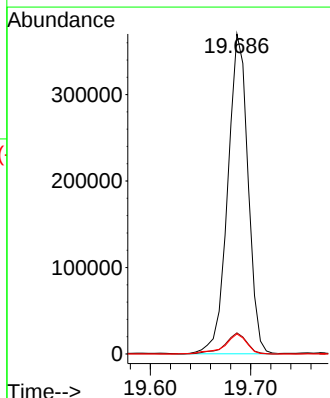
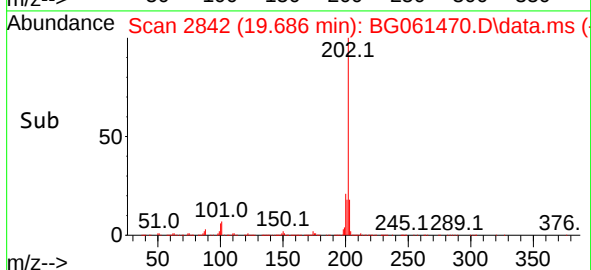
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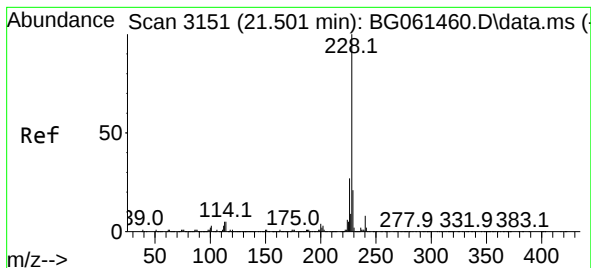


#82
Pyrene
Concen: 35.014 ng/ul
RT: 19.686 min Scan# 2842
Delta R.T. 0.007 min
Lab File: BG061470.D
Acq: 5 Jun 2024 1:09



Tgt Ion:202 Resp: 518925
Ion Ratio Lower Upper
202 100
101 6.6 5.7 8.5
100 6.2 5.1 7.7





#85

Benzo(a)anthracene

Concen: 20.834 ng/u1

RT: 21.502 min Scan# 3151

Delta R.T. 0.007 min

Lab File: BG061470.D

Acq: 5 Jun 2024 1:09

Instrument :

BNA_G

ClientSampleId :

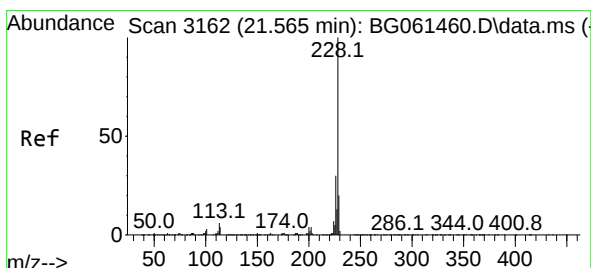
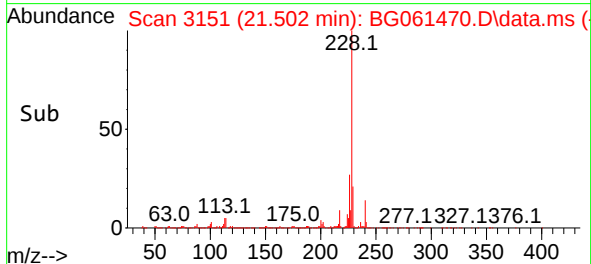
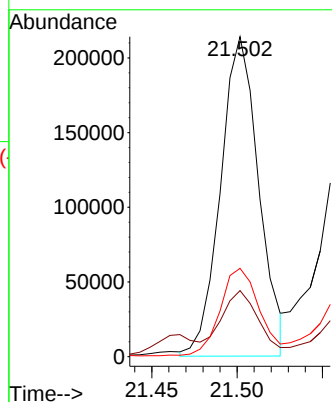
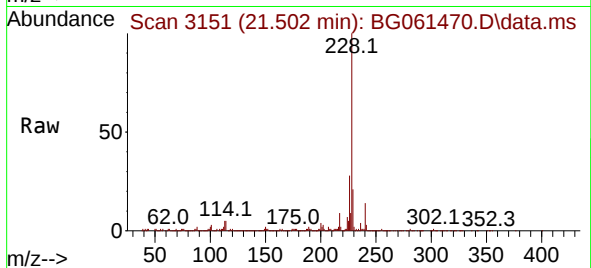
BH5T0

Tgt Ion:228 Resp: 33323
 Ion Ratio Lower Upper
 228 100
 229 20.7 15.2 22.8
 226 27.6 21.4 32.2

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#87

Chrysene

Concen: 20.780 ng/u1

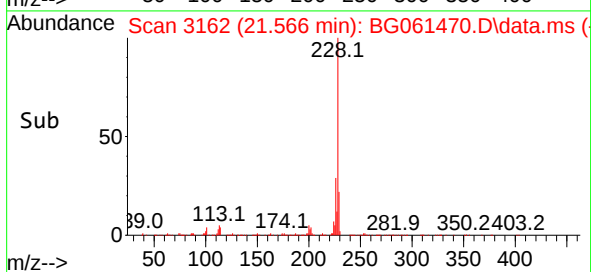
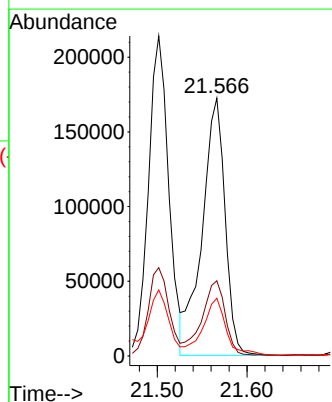
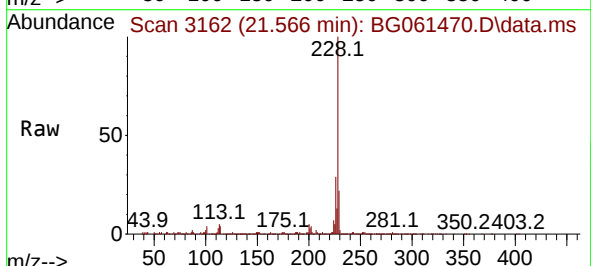
RT: 21.566 min Scan# 3162

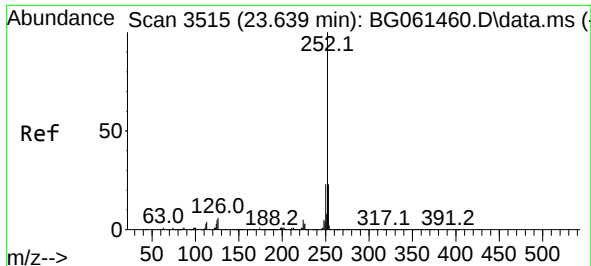
Delta R.T. 0.013 min

Lab File: BG061470.D

Acq: 5 Jun 2024 1:09

Tgt Ion:228 Resp: 306033
 Ion Ratio Lower Upper
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 226 29.2 23.4 35.0
 229 22.4 15.4 23.2





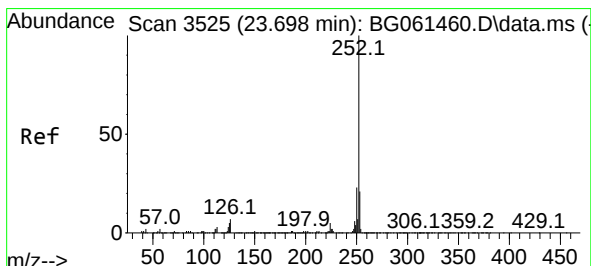
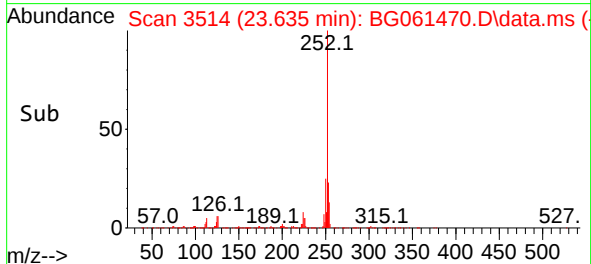
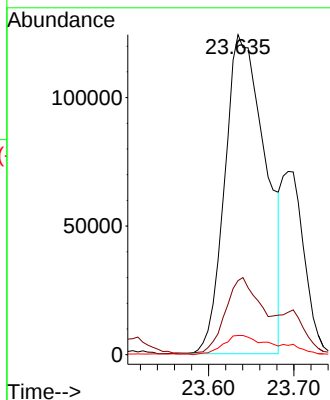
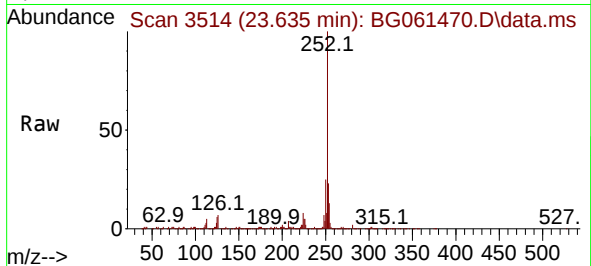
#90
Benzo(b)fluoranthene
Concen: 25.341 ng/ul
RT: 23.635 min Scan# 3515
Delta R.T. 0.019 min
Lab File: BG061470.D
Acq: 5 Jun 2024 1:09

Instrument :
BNA_G
ClientSampleId :
BH5T0

Tgt Ion:252 Resp: 41131
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 6.0 4.6 6.8

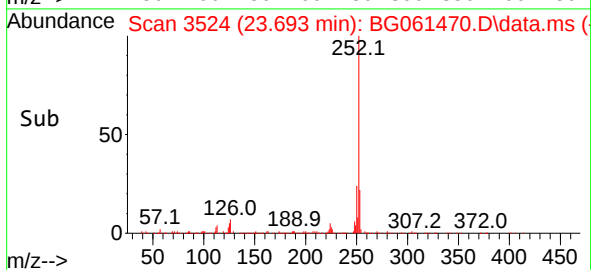
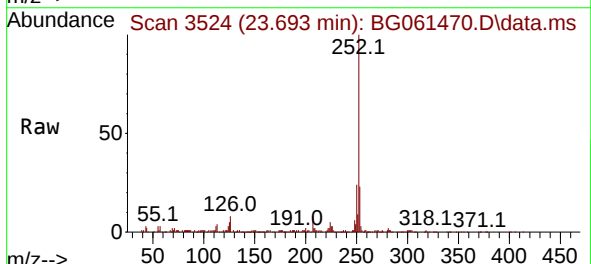
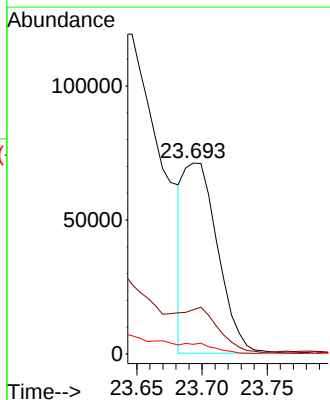
Manual Integrations
APPROVED

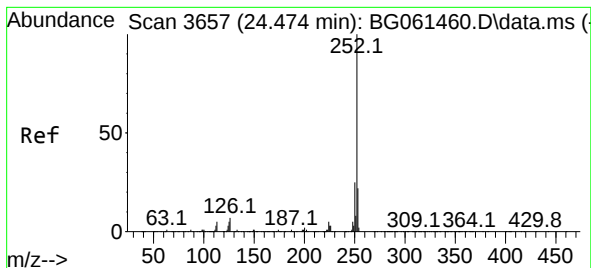
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#91
Benzo(k)fluoranthene
Concen: 7.843 ng/ul m
RT: 23.693 min Scan# 3524
Delta R.T. 0.013 min
Lab File: BG061470.D
Acq: 5 Jun 2024 1:09

Tgt Ion:252 Resp: 129234
Ion Ratio Lower Upper
252 100
253 23.2 16.0 24.0
125 5.1 4.3 6.5





#93

Benzo(a)pyrene

Concen: 16.867 ng/u1

RT: 24.469 min Scan# 30

Delta R.T. 0.019 min

Lab File: BG061470.D

Acq: 5 Jun 2024 1:09

Instrument :

BNA_G

ClientSampleId :

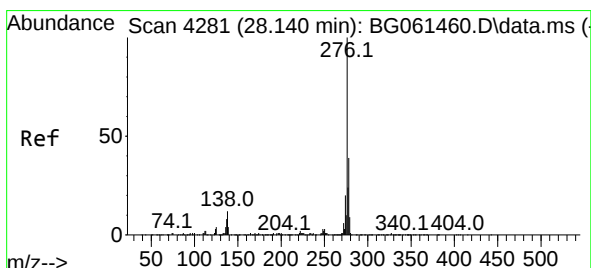
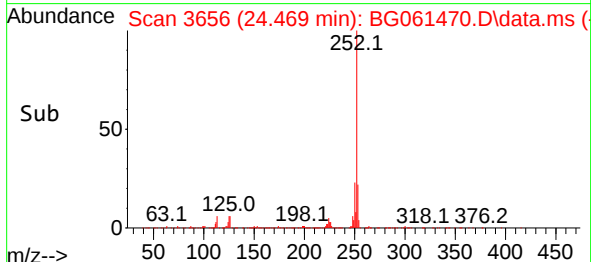
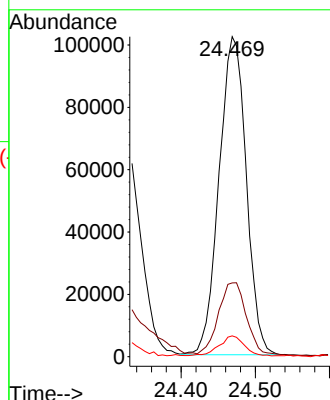
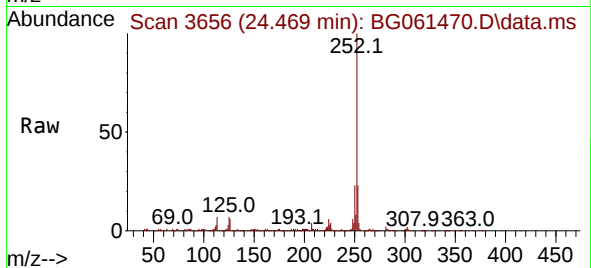
BH5T0

Tgt Ion:252 Resp: 259950
 Ion Ratio Lower Upper
 252 100
 253 23.1 16.4 24.6
 125 6.5 4.3 6.5

Manual Integrations

APPROVED

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



#94

Indeno(1,2,3-cd)pyrene

Concen: 9.381 ng/u1

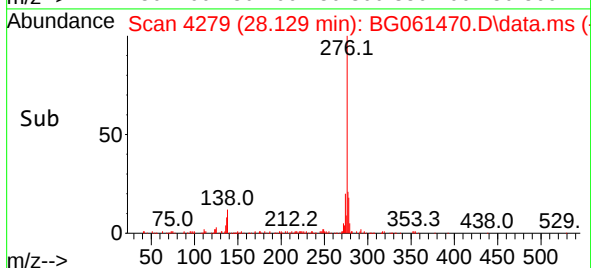
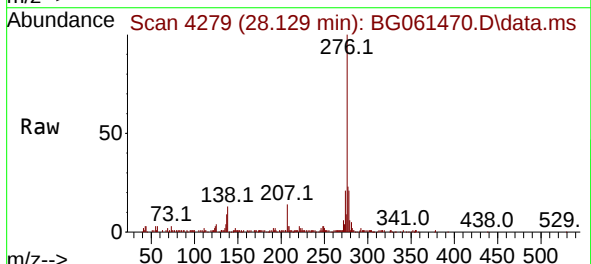
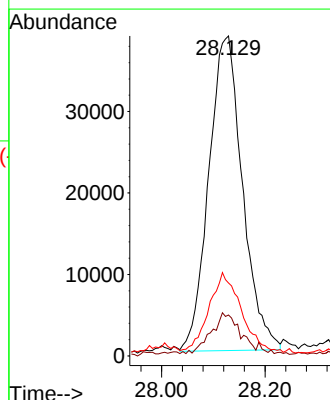
RT: 28.129 min Scan# 4279

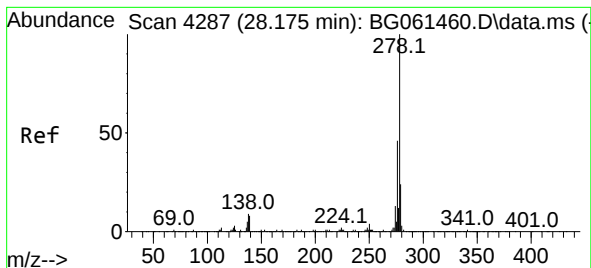
Delta R.T. 0.037 min

Lab File: BG061470.D

Acq: 5 Jun 2024 1:09

Tgt Ion:276 Resp: 174836
 Ion Ratio Lower Upper
 276 100
 138 12.8 8.6 13.0
 277 22.8 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 3.457 ng/ul m

RT: 28.153 min Scan# 4283

Delta R.T. 0.013 min

Lab File: BG061470.D

Acq: 5 Jun 2024 1:09

Instrument :

BNA_G

ClientSampleId :

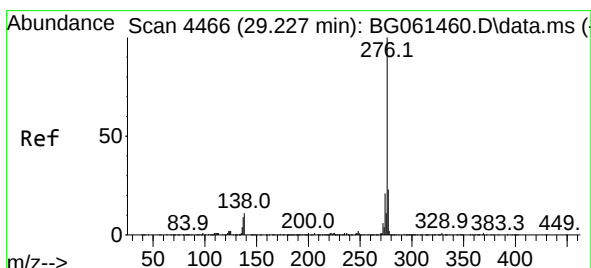
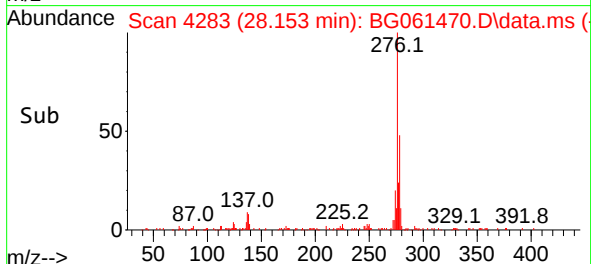
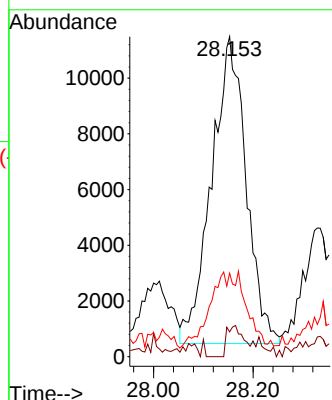
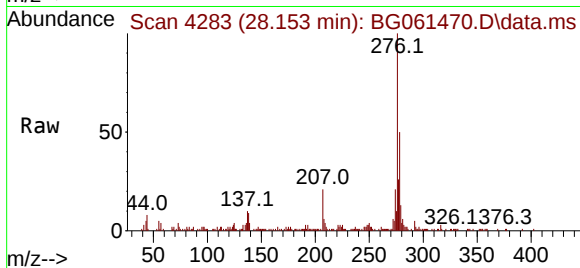
BH5T0

Tgt Ion:	278	Resp:	5312
Ion Ratio	Lower	Upper	
278	100		
139	7.7	6.4	9.6
279	26.1	19.9	29.9

Manual Integrations

APPROVED

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



#96

Benzo(g,h,i)perylene

Concen: 10.388 ng/ul m

RT: 29.216 min Scan# 4464

Delta R.T. 0.043 min

Lab File: BG061470.D

Acq: 5 Jun 2024 1:09

Tgt Ion:	276	Resp:	154032
Ion Ratio	Lower	Upper	
276	100		
138	9.7	8.7	13.1
277	22.2	18.2	27.2

