

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061491.D
 Acq On : 5 Jun 2024 17:56
 Operator : MA/JU
 Sample : P2623-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBR9

Manual Integrations
 APPROVED

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

Quant Time: Jun 05 23:55:41 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	27464	20.000	ng/u1	0.00
20) Naphthalene-d8	10.668	136	107855	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.510	164	76273	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.266	188	188716	20.000	ng/u1	0.00
79) Chrysene-d12	21.520	240	193559	20.000	ng/u1	0.00
88) Perylene-d12	24.610	264	221791	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.335	96	2043	4.163	ng/uL	0.00
4) Pyridine-d5	3.740	84	29548	16.924	ng/u1	0.00
7) Phenol-d5	7.066	99	60771	26.945	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.207	67	34511	24.345	ng/u1	0.00
11) 2-Chlorophenol-d4	7.418	132	47146	28.246	ng/u1	0.00
15) 4-Methylphenol-d8	8.599	113	49699	25.843	ng/u1	0.00
21) Nitrobenzene-d5	9.034	128	23849	28.720	ng/u1	0.00
24) 2-Nitrophenol-d4	9.757	143	27730	28.533	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.309	165	54213	28.613	ng/u1	0.00
31) 4-Chloroaniline-d4	10.809	131	60051	24.226	ng/u1	0.00
46) Dimethylphthalate-d6	13.917	166	164210	27.759	ng/u1	0.00
49) Acenaphthylene-d8	14.205	160	180994	29.430	ng/u1	0.00
54) 4-Nitrophenol-d4	14.763	143	16891m	23.095	ng/u1	0.03
60) Fluorene-d10	15.509	176	141538	27.713	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.650	200	18678	16.364	ng/u1	0.01
73) Anthracene-d10	17.360	188	242642	29.164	ng/u1	0.00
81) Pyrene-d10	19.657	212	294294	29.612	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.404	264	310747	29.143	ng/u1	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.715	128	14960	2.628	ng/u1#	97
36) 2-Methylnaphthalene	12.330	142	5708	1.383	ng/u1	88
37) 1-Methylnaphthalene	12.554	142	5049	1.192	ng/u1#	86
52) Acenaphthene	14.575	153	8370	1.871	ng/u1	94
56) Dibenzofuran	14.910	168	15762	2.464	ng/u1	93
61) Fluorene	15.562	166	13204	2.386	ng/u1	95
72) Phenanthrene	17.307	178	247300	26.999	ng/u1	99
74) Anthracene	17.395	178	51010	5.386	ng/u1	99
77) Carbazole	17.671	167	27991	3.634	ng/u1	97
80) Fluoranthene	19.322	202	344698	28.912	ng/u1	98
82) Pyrene	19.686	202	260965	21.087	ng/u1	98
85) Benzo(a)anthracene	21.496	228	169618	12.700	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.408	149	13334	2.119	ng/u1#	91
87) Chrysene	21.561	228	145418	11.825	ng/u1	96
90) Benzo(b)fluoranthene	23.641	252	176073	13.333	ng/u1	98
91) Benzo(k)fluoranthene	23.688	252	74726m	5.574	ng/u1	
93) Benzo(a)pyrene	24.463	252	124098	9.897	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.124	276	72118m	4.756	ng/u1	
95) Dibenzo(a,h)anthracene	28.177	278	22858m	1.828	ng/u1	
96) Benzo(g,h,i)perylene	29.211	276	59157m	4.904	ng/u1	

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

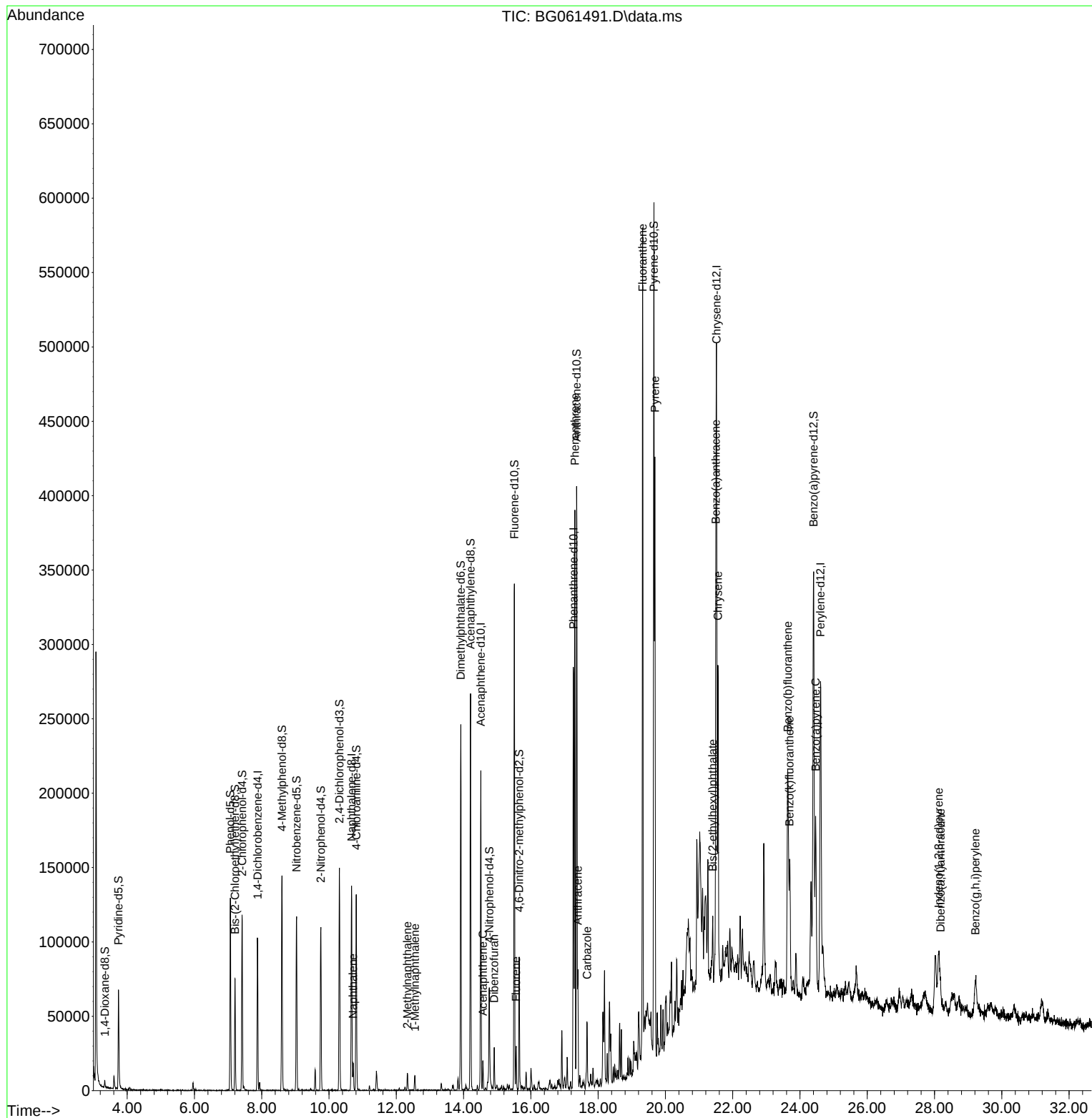
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061491.D
 Acq On : 5 Jun 2024 17:56
 Operator : MA/JU
 Sample : P2623-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

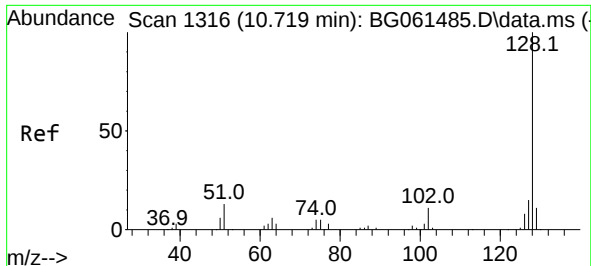
Instrument :
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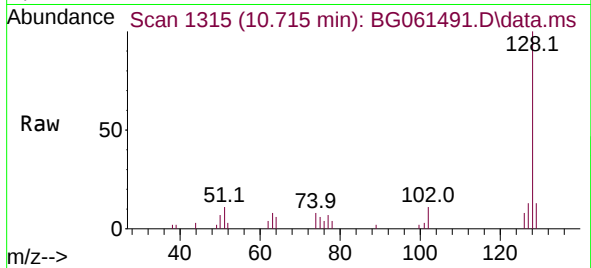
Quant Time: Jun 05 23:55:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration





#30
Naphthalene
Concen: 2.628 ng/ul
RT: 10.715 min Scan# 1316
Delta R.T. -0.004 min
Lab File: BG061491.D
Acq: 5 Jun 2024 17:56

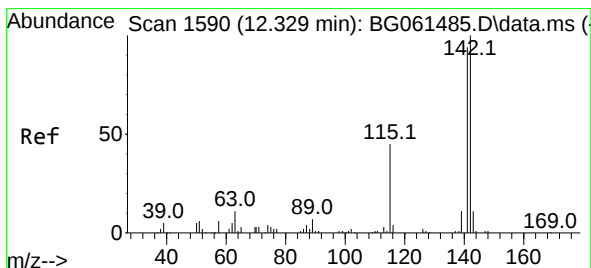
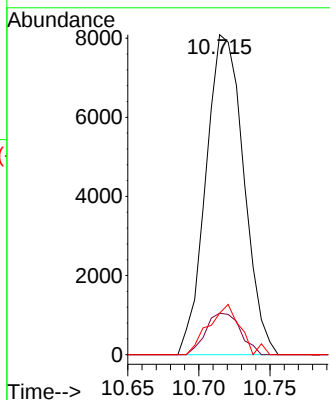
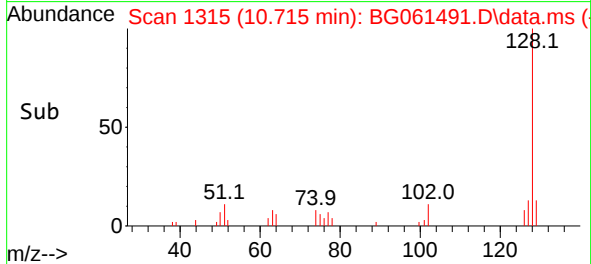
Instrument :
BNA_G
ClientSampleId :
BHBR9



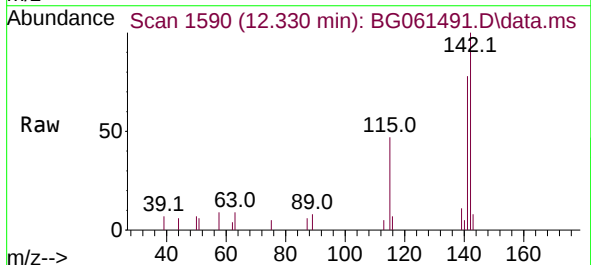
Tgt Ion:128 Resp: 14960
Ion Ratio Lower Upper
128 100
129 12.9 8.6 12.8
127 13.0 10.8 16.2

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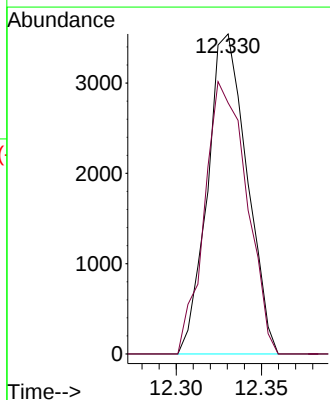
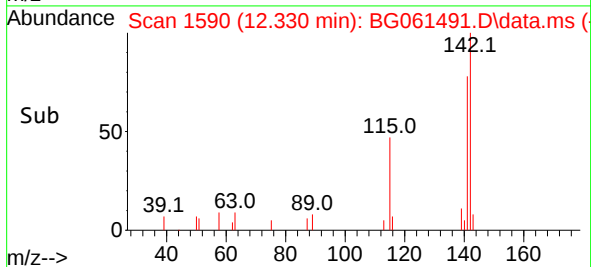
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024

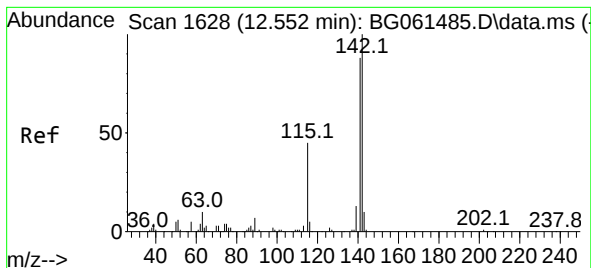


#36
2-Methylnaphthalene
Concen: 1.383 ng/ul
RT: 12.330 min Scan# 1590
Delta R.T. 0.002 min
Lab File: BG061491.D
Acq: 5 Jun 2024 17:56



Tgt Ion:142 Resp: 5708
Ion Ratio Lower Upper
142 100
141 78.4 72.2 108.2





#37

1-Methylnaphthalene

Concen: 1.192 ng/ul

RT: 12.554 min Scan# 1

Delta R.T. 0.008 min

Lab File: BG061491.D

Acq: 5 Jun 2024 17:56

Instrument :

BNA_G

ClientSampleId :

BHBR9

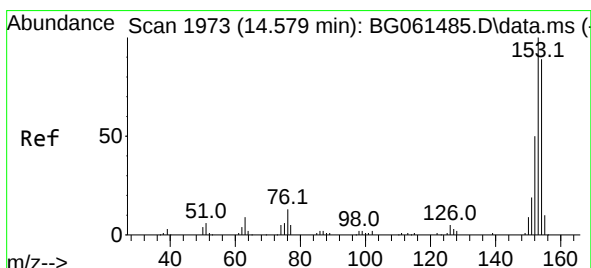
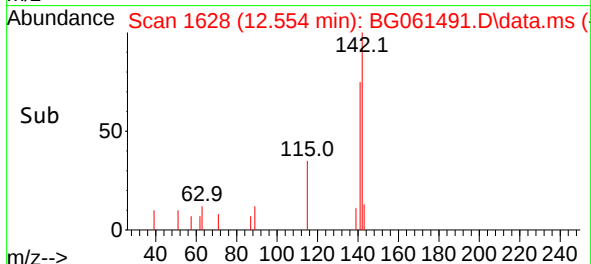
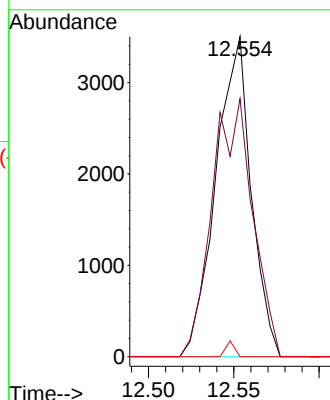
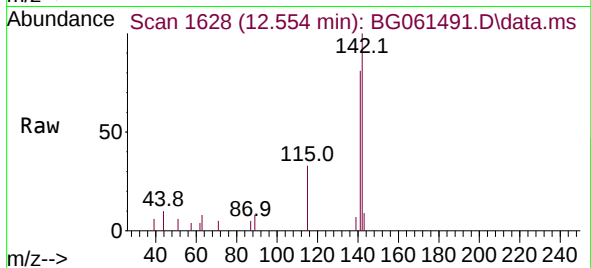
Tgt Ion:142 Resp: 5049

Ion	Ratio	Lower	Upper
142	100		
141	80.6	75.5	113.3
116	0.0	4.0	6.0

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Supervised By :mohammad ahmed 06/07/2024



#52

Acenaphthene

Concen: 1.871 ng/ul

RT: 14.575 min Scan# 1972

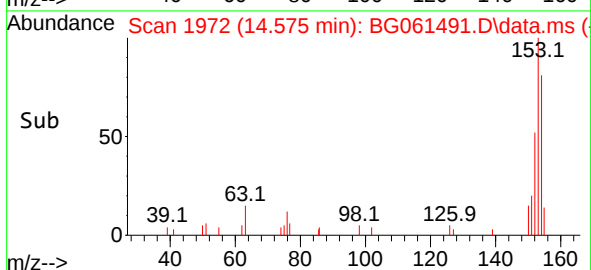
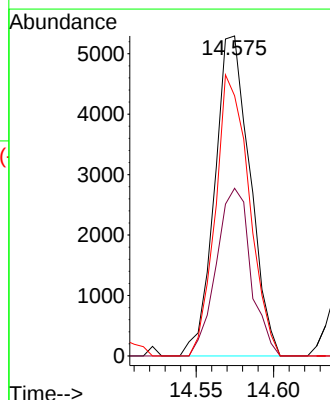
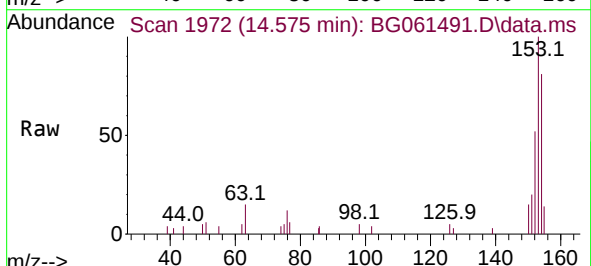
Delta R.T. 0.002 min

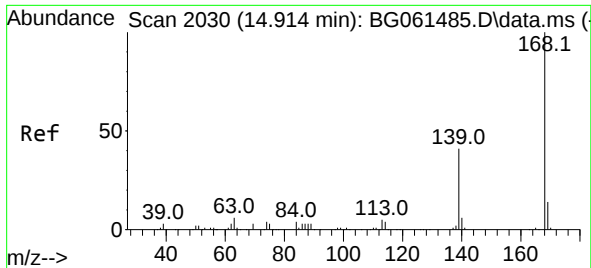
Lab File: BG061491.D

Acq: 5 Jun 2024 17:56

Tgt Ion:153 Resp: 8370

Ion	Ratio	Lower	Upper
153	100		
152	52.4	37.8	56.8
154	81.3	69.0	103.6





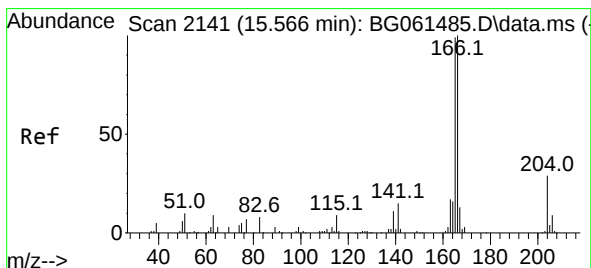
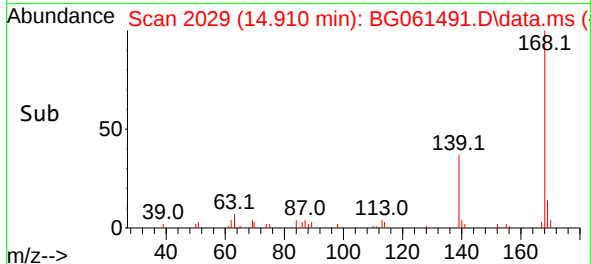
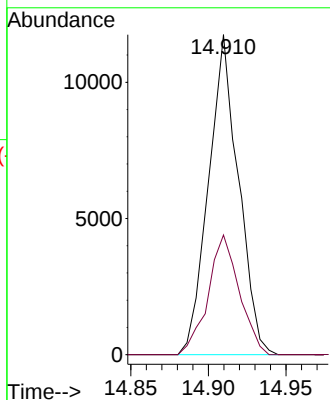
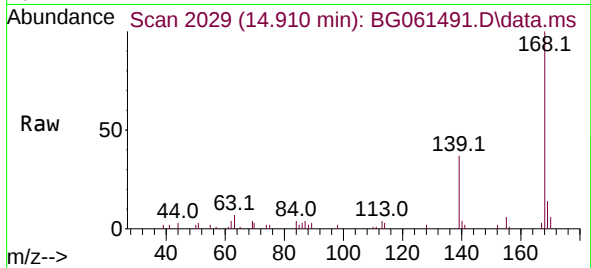
#56
Dibenzenofuran
Concen: 2.464 ng/ul
RT: 14.910 min Scan# 2030
Delta R.T. 0.002 min
Lab File: BG061491.D
Acq: 5 Jun 2024 17:56

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:168 Resp: 15762
Ion Ratio Lower Upper
168 100
139 37.4 33.4 50.2

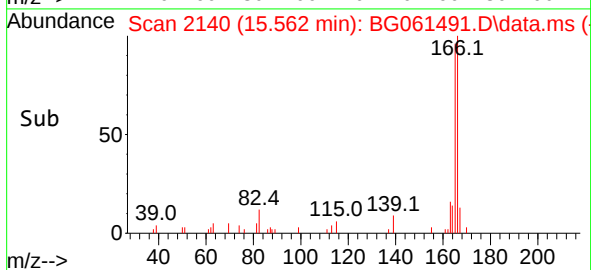
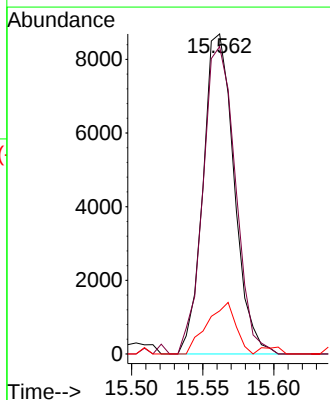
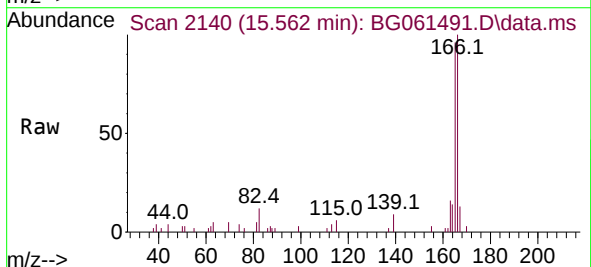
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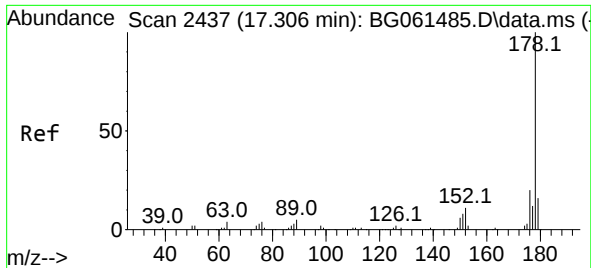
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#61
Fluorene
Concen: 2.386 ng/ul
RT: 15.562 min Scan# 2140
Delta R.T. 0.002 min
Lab File: BG061491.D
Acq: 5 Jun 2024 17:56

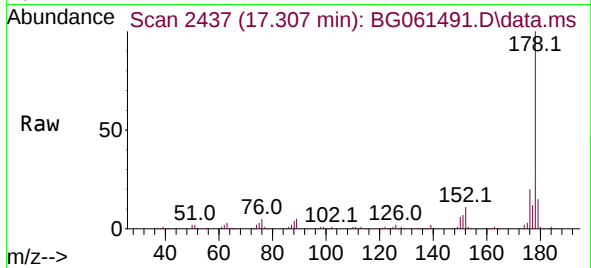
Tgt Ion:166 Resp: 13204
Ion Ratio Lower Upper
166 100
165 96.1 81.8 122.8
167 13.5 10.6 16.0





#72
Phenanthrene
Concen: 26.999 ng/ul
RT: 17.307 min Scan# 2437
Delta R.T. 0.008 min
Lab File: BG061491.D
Acq: 5 Jun 2024 17:56

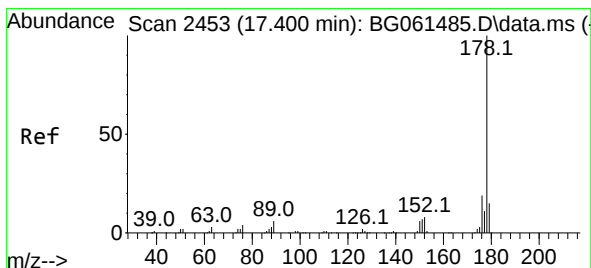
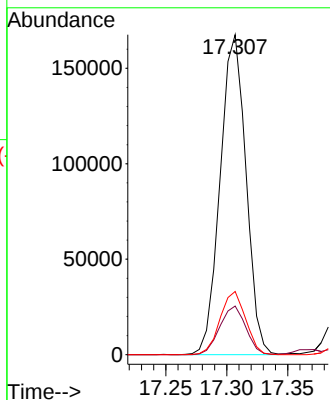
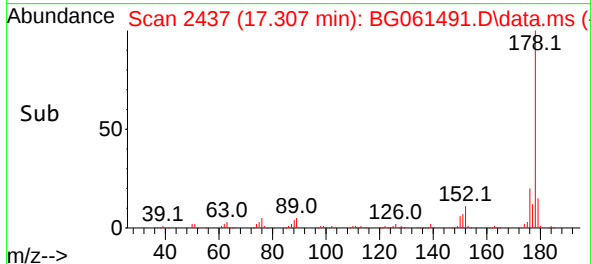
Instrument :
BNA_G
ClientSampleId :
BHBR9



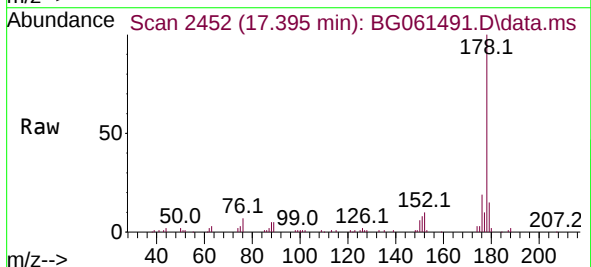
Tgt Ion:178 Resp: 247300
Ion Ratio Lower Upper
178 100
179 15.2 12.7 19.1
176 19.7 15.5 23.3

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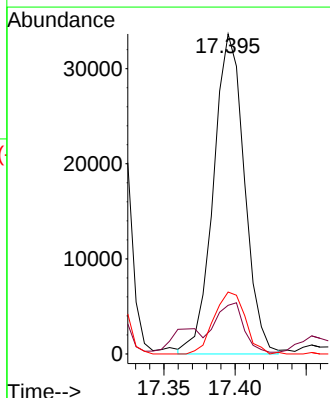
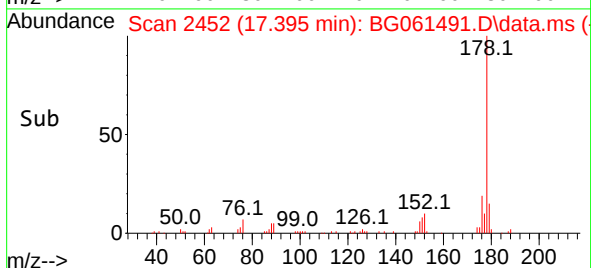
Reviewed By :Jagrut Upadhyay 06/06/2024
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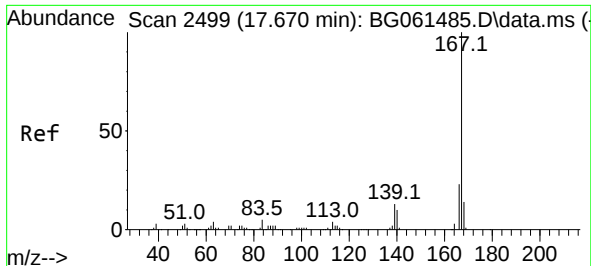


#74
Anthracene
Concen: 5.386 ng/ul
RT: 17.395 min Scan# 2452
Delta R.T. 0.002 min
Lab File: BG061491.D
Acq: 5 Jun 2024 17:56



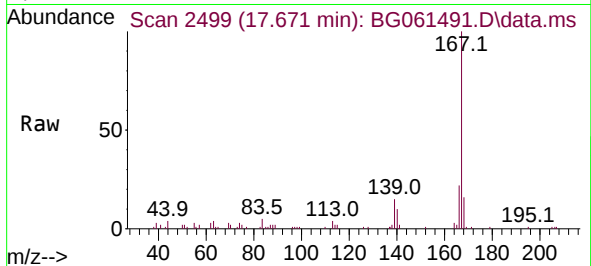
Tgt Ion:178 Resp: 51010
Ion Ratio Lower Upper
178 100
179 15.2 11.8 17.6
176 19.3 14.9 22.3





#77
 Carbazole
 Concen: 3.634 ng/ul
 RT: 17.671 min Scan# 2499
 Delta R.T. 0.008 min
 Lab File: BG061491.D
 Acq: 5 Jun 2024 17:56

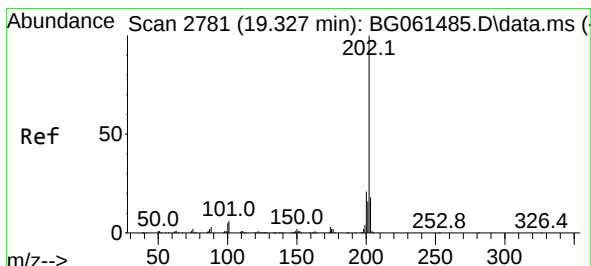
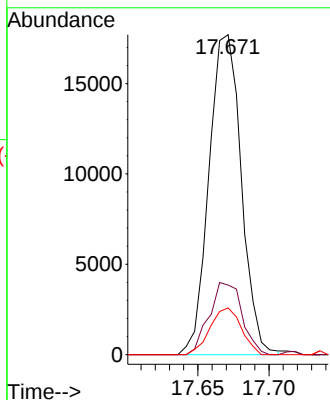
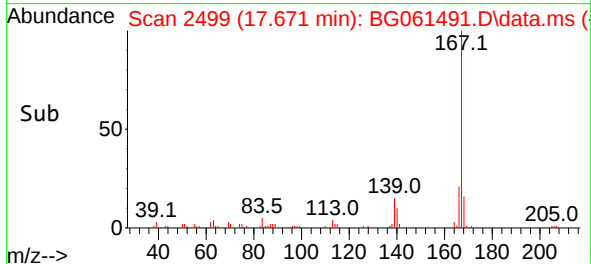
Instrument :
 BNA_G
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 BHBR9



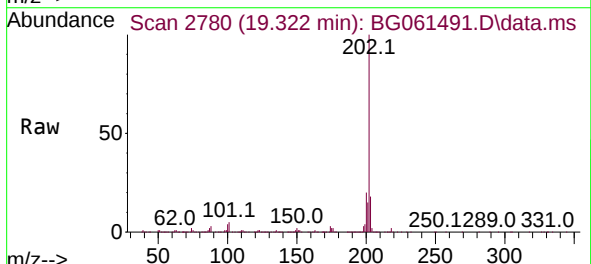
Tgt Ion:167 Resp: 2799
 Ion Ratio Lower Upper
 167 100
 166 21.8 18.6 28.0
 139 14.6 10.6 15.8

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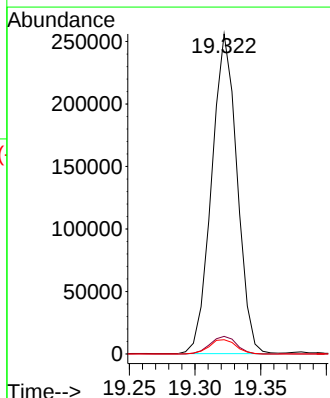
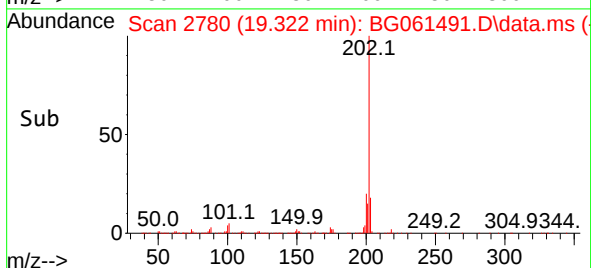
Reviewed By :Jagrut Upadhyay 06/06/2024
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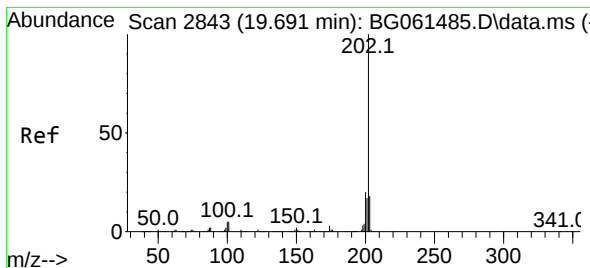


#80
 Fluoranthene
 Concen: 28.912 ng/ul
 RT: 19.322 min Scan# 2780
 Delta R.T. 0.008 min
 Lab File: BG061491.D
 Acq: 5 Jun 2024 17:56



Tgt Ion:202 Resp: 344698
 Ion Ratio Lower Upper
 202 100
 101 5.5 4.8 7.2
 100 4.4 4.1 6.1





#82

Pyrene

Concen: 21.087 ng/ul

RT: 19.686 min Scan# 21

Delta R.T. 0.008 min

Lab File: BG061491.D

Acq: 5 Jun 2024 17:56

Instrument :

BNA_G

ClientSampleId :

BHBR9

Tgt Ion:202 Resp: 26096

Ion Ratio Lower Upper

202 100

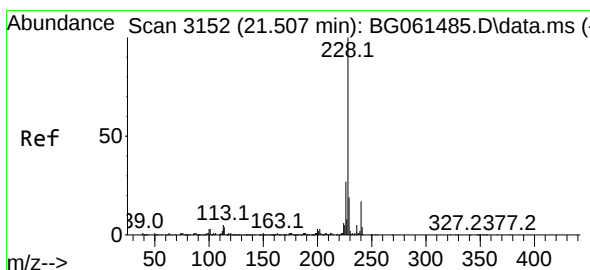
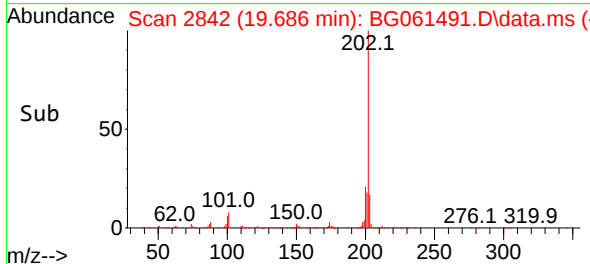
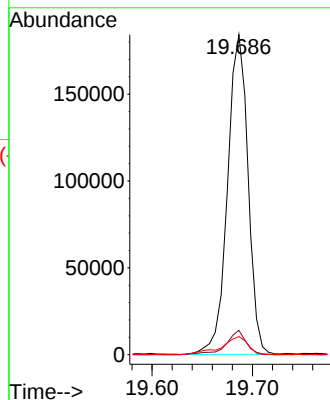
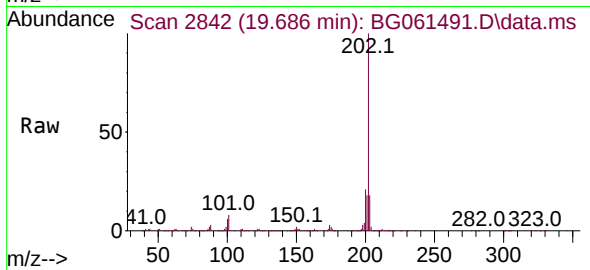
101 7.6 5.7 8.5

100 5.7 5.1 7.7

Manual Integrations

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Supervised By :mohammad ahmed 06/07/2024



#85

Benzo(a)anthracene

Concen: 12.700 ng/ul

RT: 21.496 min Scan# 3150

Delta R.T. 0.002 min

Lab File: BG061491.D

Acq: 5 Jun 2024 17:56

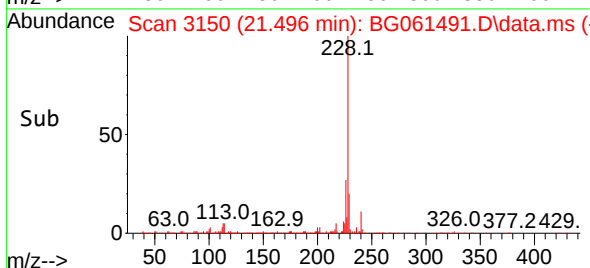
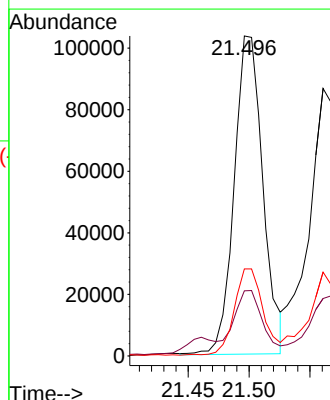
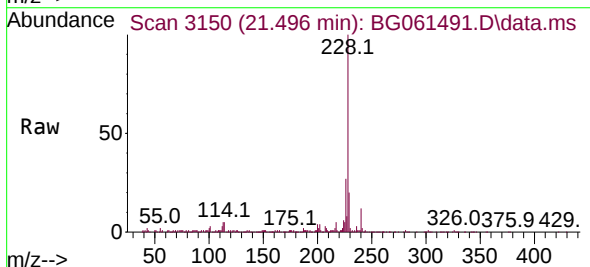
Tgt Ion:228 Resp: 169618

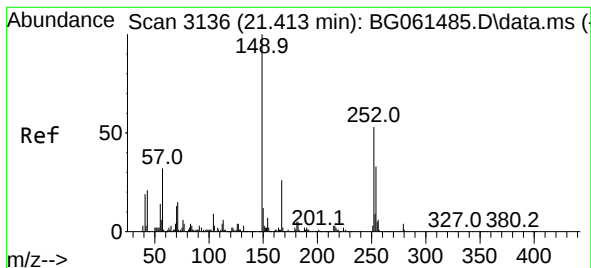
Ion Ratio Lower Upper

228 100

229 20.3 15.2 22.8

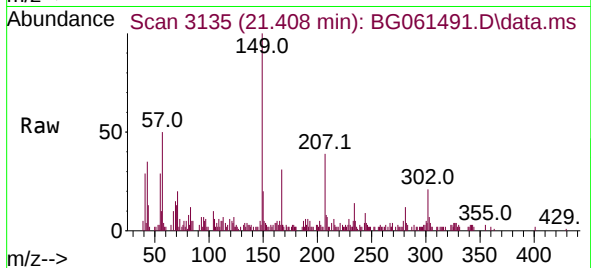
226 27.2 21.4 32.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 2.119 ng/ul
RT: 21.408 min Scan# 3135
Delta R.T. 0.002 min
Lab File: BG061491.D
Acq: 5 Jun 2024 17:56

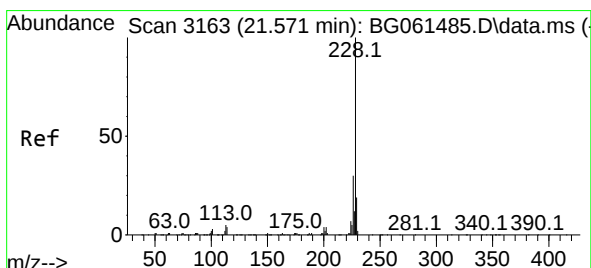
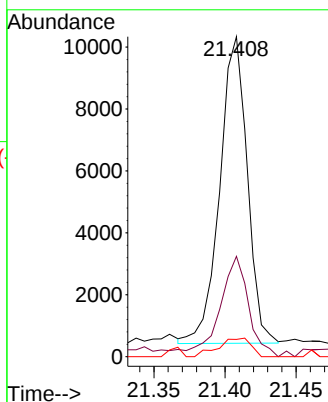
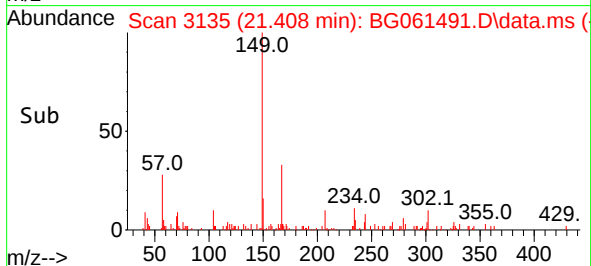
Instrument :
BNA_G
ClientSampleId :
BHBR9



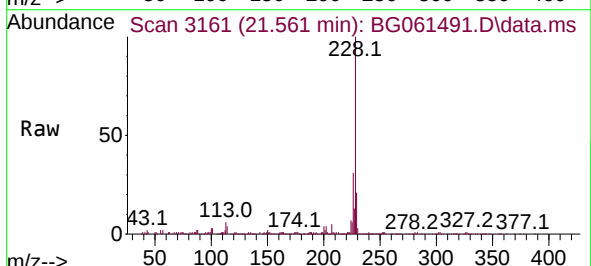
Tgt Ion:149 Resp: 13334
Ion Ratio Lower Upper
149 100
167 31.4 21.1 31.7
279 5.4 3.3 4.9

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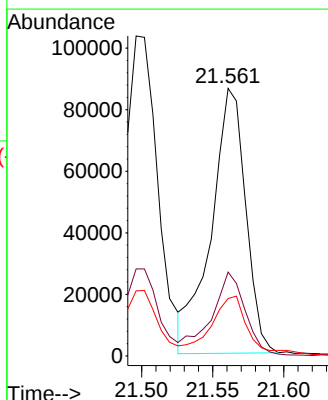
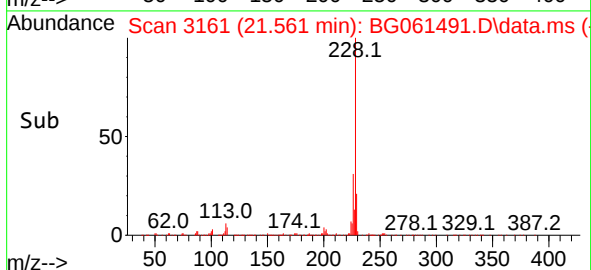
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024

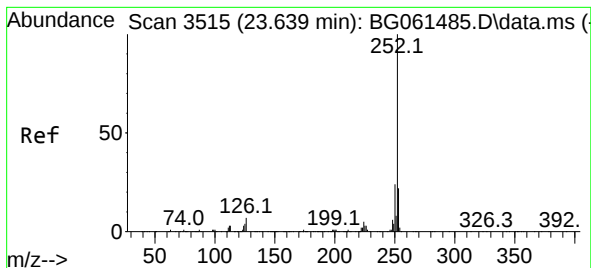


#87
Chrysene
Concen: 11.825 ng/ul
RT: 21.561 min Scan# 3161
Delta R.T. 0.008 min
Lab File: BG061491.D
Acq: 5 Jun 2024 17:56



Tgt Ion:228 Resp: 145418
Ion Ratio Lower Upper
228 100
226 31.3 23.4 35.0
229 21.5 15.4 23.2





#90

Benzo(b)fluoranthene

Concen: 13.333 ng/ul

RT: 23.641 min Scan# 3515

Delta R.T. 0.025 min

Lab File: BG061491.D

Acq: 5 Jun 2024 17:56

Instrument :

BNA_G

ClientSampleId :

BHBR9

Tgt Ion:252 Resp: 17607

Ion Ratio Lower Upper

252 100

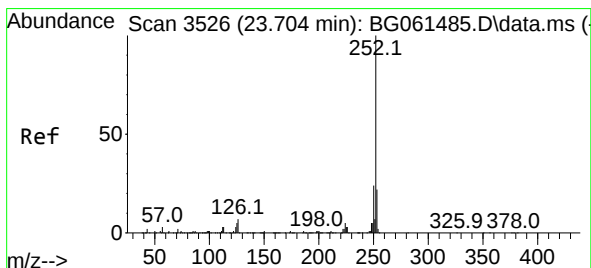
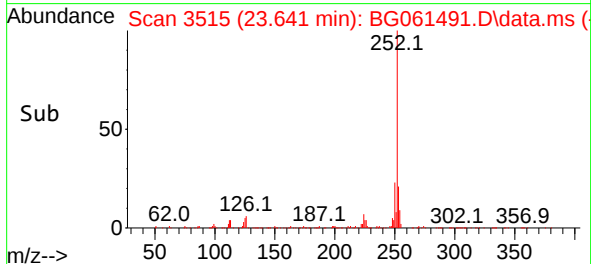
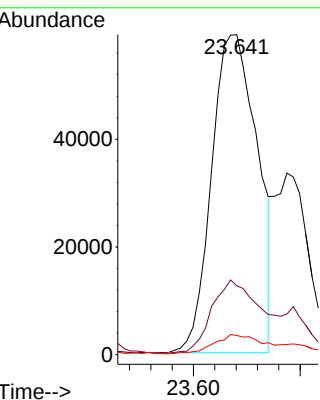
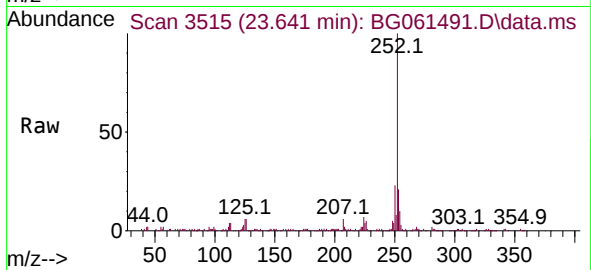
253 21.5 17.8 26.8

125 6.0 4.6 6.8

Manual Integrations

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



#91

Benzo(k)fluoranthene

Concen: 5.574 ng/ul m

RT: 23.688 min Scan# 3523

Delta R.T. 0.008 min

Lab File: BG061491.D

Acq: 5 Jun 2024 17:56

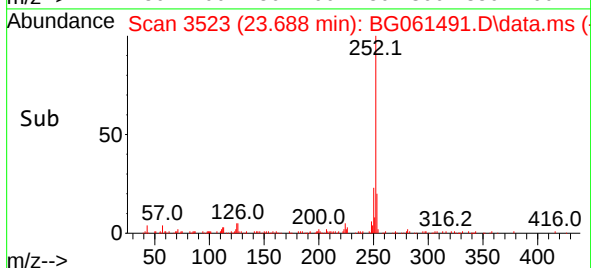
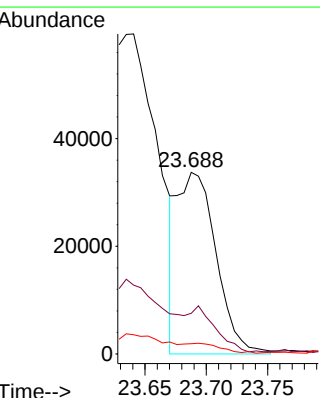
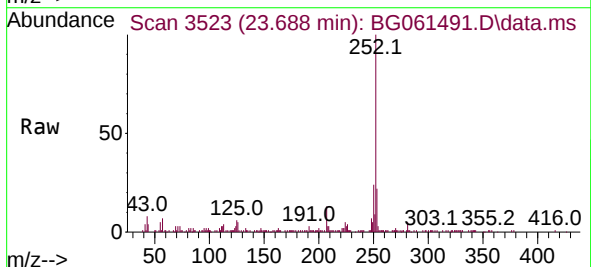
Tgt Ion:252 Resp: 74726

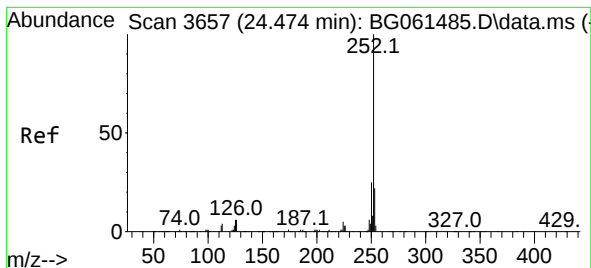
Ion Ratio Lower Upper

252 100

253 22.4 16.0 24.0

125 5.7 4.3 6.5





#93

Benzo(a)pyrene

Concen: 9.897 ng/ul

RT: 24.463 min Scan# 30

Delta R.T. 0.013 min

Lab File: BG061491.D

Acq: 5 Jun 2024 17:56

Instrument :

BNA_G

ClientSampleId :

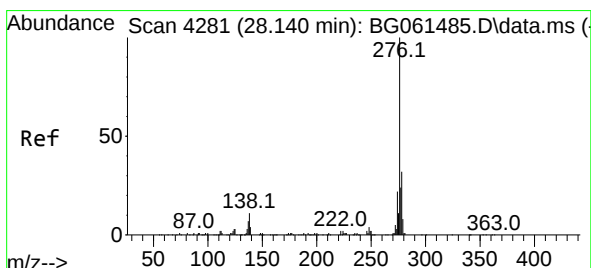
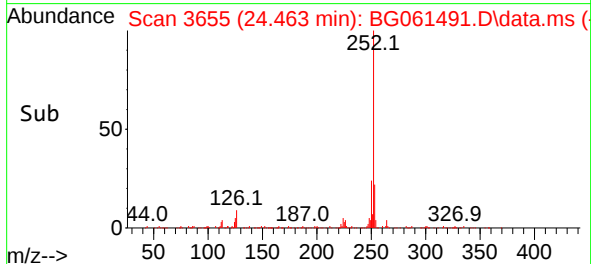
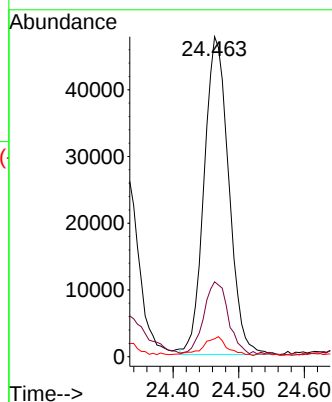
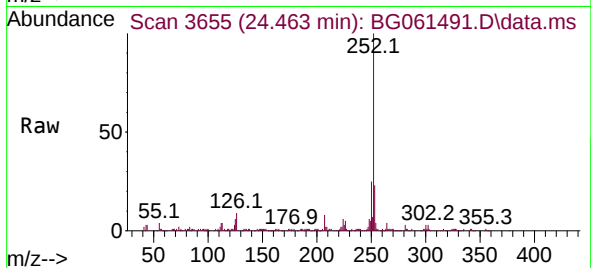
BHBR9

Tgt Ion:252 Resp: 124098
 Ion Ratio Lower Upper
 252 100
 253 23.4 16.4 24.6
 125 5.6 4.3 6.5

Manual Integrations

APPROVED

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



#94

Indeno(1,2,3-cd)pyrene

Concen: 4.756 ng/ul m

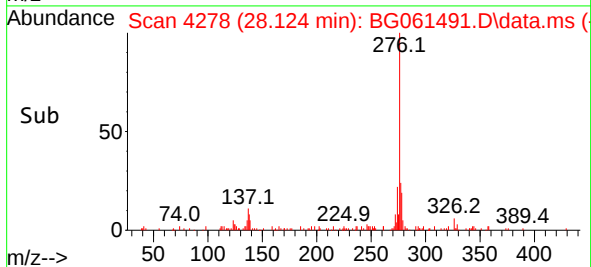
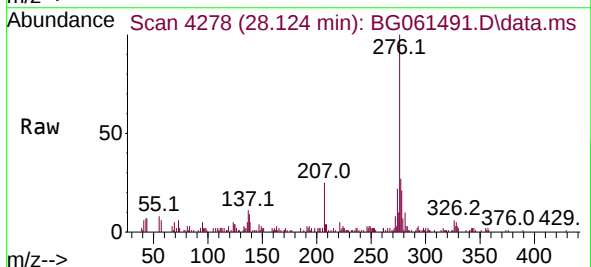
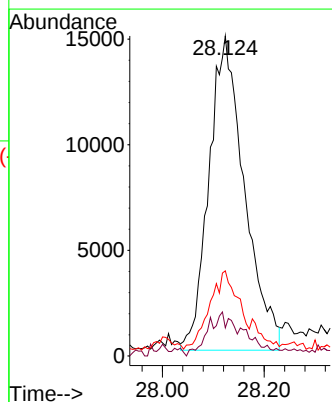
RT: 28.124 min Scan# 4278

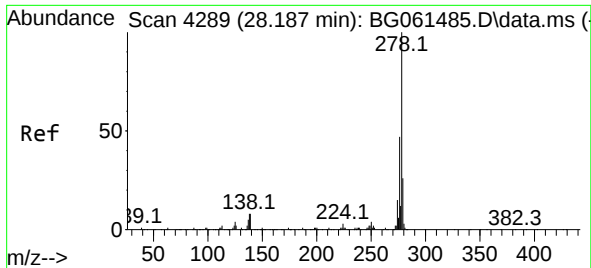
Delta R.T. 0.031 min

Lab File: BG061491.D

Acq: 5 Jun 2024 17:56

Tgt Ion:276 Resp: 72118
 Ion Ratio Lower Upper
 276 100
 138 8.8 8.6 13.0
 277 26.6 19.7 29.5





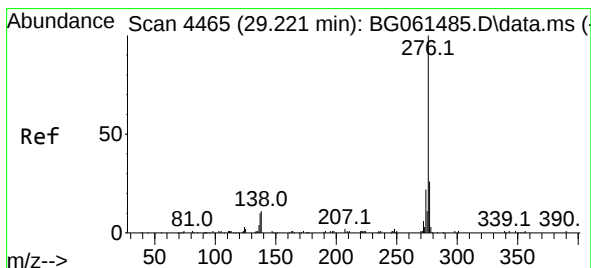
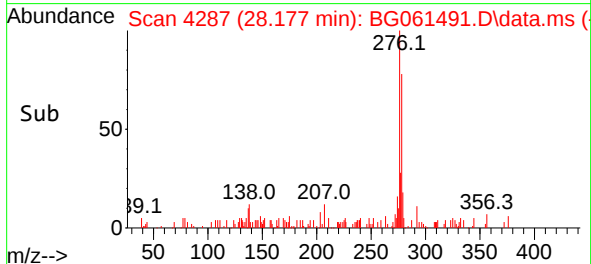
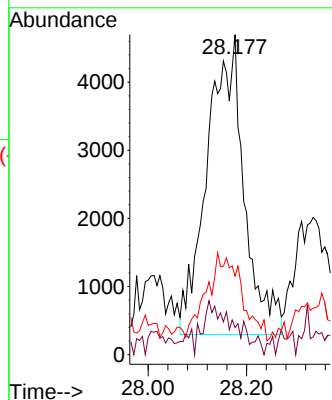
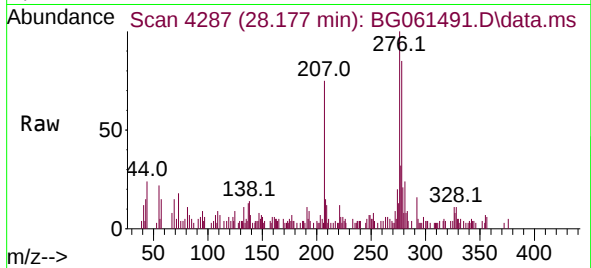
#95
Dibenzo(a,h)anthracene
Concen: 1.828 ng/ul m
RT: 28.177 min Scan# 4289
Delta R.T. 0.037 min
Lab File: BG061491.D
Acq: 5 Jun 2024 17:56

Instrument :
BNA_G
ClientSampleId :
BHBR9

Tgt Ion:278 Resp: 2285
Ion Ratio Lower Upper
278 100
139 8.5 6.4 9.6
279 24.5 19.9 29.9

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



#96
Benzo(g,h,i)perylene
Concen: 4.904 ng/ul m
RT: 29.211 min Scan# 4463
Delta R.T. 0.037 min
Lab File: BG061491.D
Acq: 5 Jun 2024 17:56

Tgt Ion:276 Resp: 59157
Ion Ratio Lower Upper
276 100
138 10.7 8.7 13.1
277 25.6 18.2 27.2

