

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061493.D
 Acq On : 5 Jun 2024 19:18
 Operator : MA/JU
 Sample : P2623-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBR5

Manual Integrations
 APPROVED

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

Quant Time: Jun 05 23:02:59 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	7.875	152	30676	20.000	ng/u1	0.00
20) Naphthalene-d8	10.666	136	118908	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.509	164	87026	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.264	188	199064	20.000	ng/u1	0.00
79) Chrysene-d12	21.518	240	226622	20.000	ng/u1	0.00
88) Perylene-d12	24.615	264	261560	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.340	96	1778	3.244	ng/uL	0.00
4) Pyridine-d5	3.745	84	28089	14.404	ng/u1	0.00
7) Phenol-d5	7.071	99	44432	17.638	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.206	67	27250	17.210	ng/u1	0.00
11) 2-Chlorophenol-d4	7.417	132	37333	20.025	ng/u1	0.00
15) 4-Methylphenol-d8	8.598	113	38387	17.871	ng/u1	0.00
21) Nitrobenzene-d5	9.033	128	19535	21.338	ng/u1	0.00
24) 2-Nitrophenol-d4	9.756	143	23182	21.636	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.308	165	44378	21.245	ng/u1	0.00
31) 4-Chloroaniline-d4	10.807	131	48926	17.903	ng/u1	0.00
46) Dimethylphthalate-d6	13.915	166	140610	20.832	ng/u1	0.00
49) Acenaphthylene-d8	14.203	160	155137	22.108	ng/u1	0.00
54) 4-Nitrophenol-d4	14.762	143	12172	14.587	ng/u1	0.02
60) Fluorene-d10	15.508	176	124077	21.292	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.655	200	13492	11.206	ng/u1	0.02
73) Anthracene-d10	17.364	188	191073	21.772	ng/u1	0.00
81) Pyrene-d10	19.656	212	244883	21.045	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.403	264	279104	22.196	ng/u1	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.719	128	41074	6.544	ng/u1	99
36) 2-Methylnaphthalene	12.329	142	12445	2.734	ng/u1	99
37) 1-Methylnaphthalene	12.546	142	9132	1.955	ng/u1	96
52) Acenaphthene	14.573	153	29993	5.876	ng/u1	96
56) Dibenzofuran	14.908	168	49540	6.788	ng/u1	99
61) Fluorene	15.561	166	46207	7.317	ng/u1	99
72) Phenanthrene	17.306	178	671191	69.469	ng/u1	99
74) Anthracene	17.394	178	152494	15.265	ng/u1	99
77) Carbazole	17.670	167	81655	10.049	ng/u1	97
80) Fluoranthene	19.327	202	906540	64.943	ng/u1	99
82) Pyrene	19.685	202	690450	47.652	ng/u1	98
85) Benzo(a)anthracene	21.501	228	448360	28.673	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.407	149	8155	1.107	ng/u1#	98
87) Chrysene	21.565	228	370372	25.723	ng/u1	97
90) Benzo(b)fluoranthene	23.645	252	457488	29.377	ng/u1	100
91) Benzo(k)fluoranthene	23.692	252	189652m	11.996	ng/u1	
93) Benzo(a)pyrene	24.468	252	319958	21.637	ng/u1#	94
94) Indeno(1,2,3-cd)pyrene	28.122	276	190689m	10.663	ng/u1	
95) Dibenzo(a,h)anthracene	28.152	278	48501m	3.289	ng/u1	
96) Benzo(g,h,i)perylene	29.215	276	155110m	10.903	ng/u1	

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

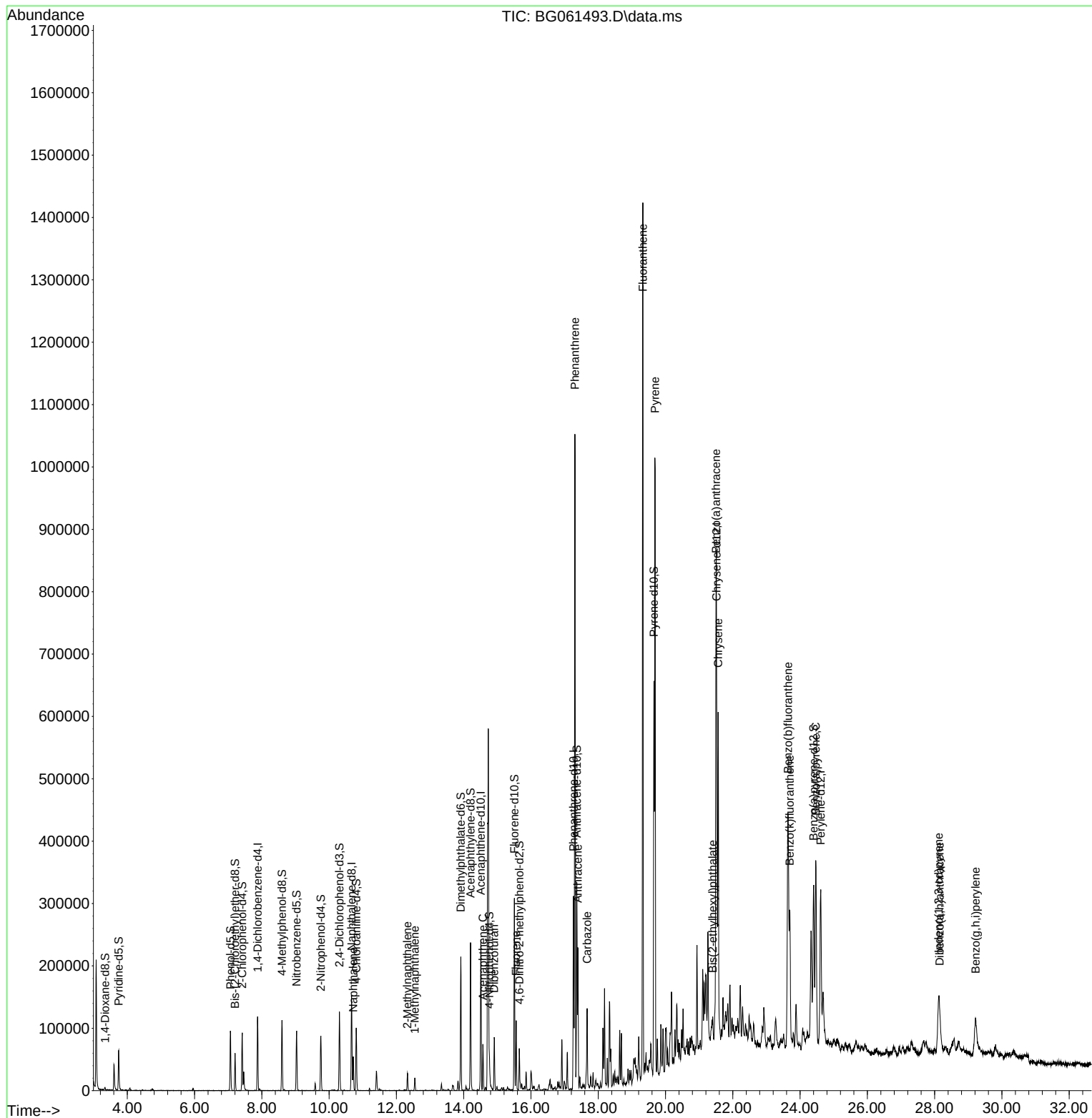
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061493.D
 Acq On : 5 Jun 2024 19:18
 Operator : MA/JU
 Sample : P2623-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

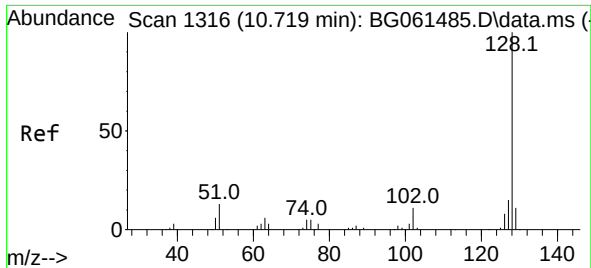
Instrument :
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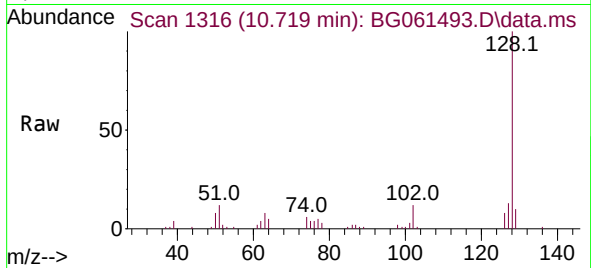
Quant Time: Jun 05 23:02:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
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#30
Naphthalene
Concen: 6.544 ng/ul
RT: 10.719 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BG061493.D
Acq: 5 Jun 2024 19:18

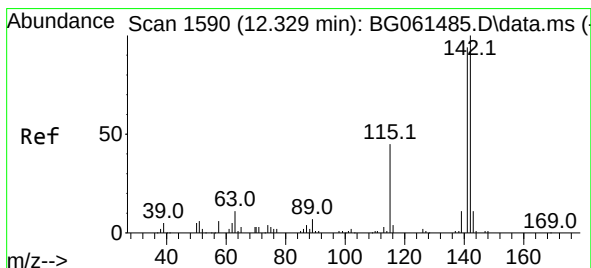
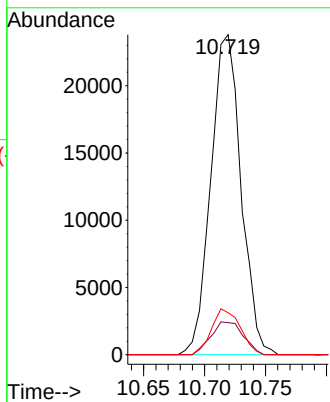
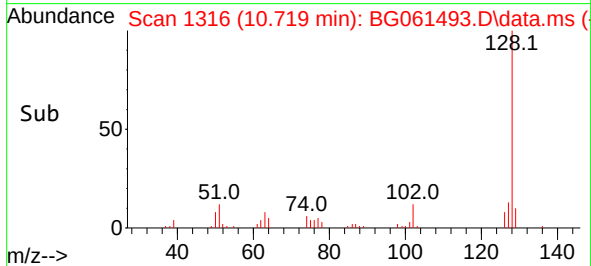
Instrument :
BNA_G
ClientSampleId :
BHBR5



Tgt Ion:128 Resp: 41074
Ion Ratio Lower Upper
128 100
129 10.0 8.6 12.8
127 13.1 10.8 16.2

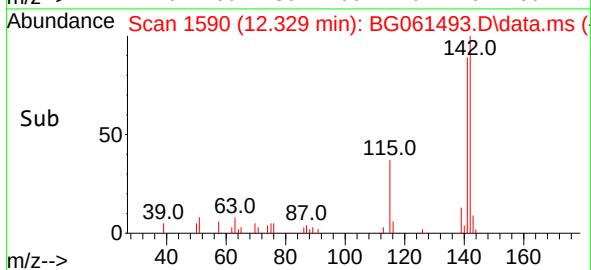
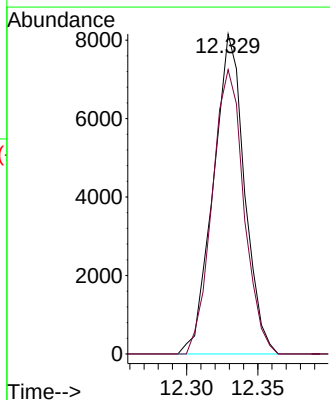
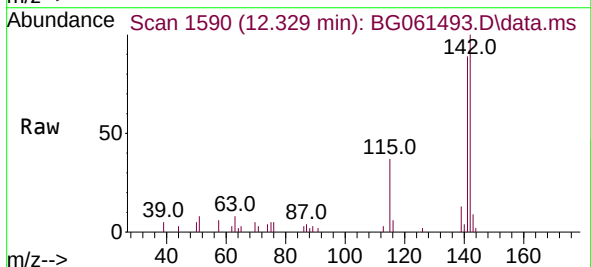
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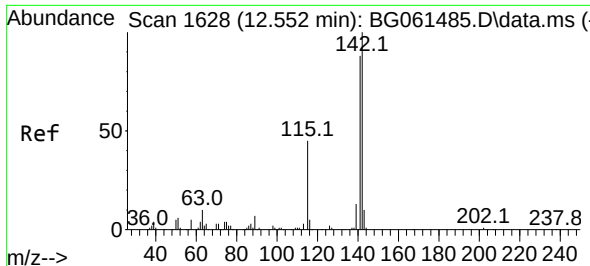
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#36
2-Methylnaphthalene
Concen: 2.734 ng/ul
RT: 12.329 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BG061493.D
Acq: 5 Jun 2024 19:18

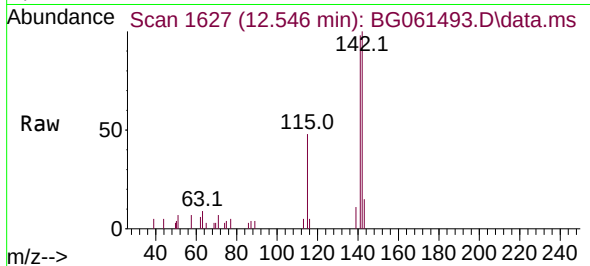
Tgt Ion:142 Resp: 12445
Ion Ratio Lower Upper
142 100
141 88.9 72.2 108.2





#37
1-Methylnaphthalene
Concen: 1.955 ng/ul
RT: 12.546 min Scan# 1627
Delta R.T. 0.000 min
Lab File: BG061493.D
Acq: 5 Jun 2024 19:18

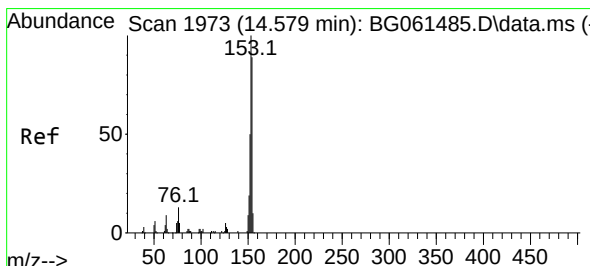
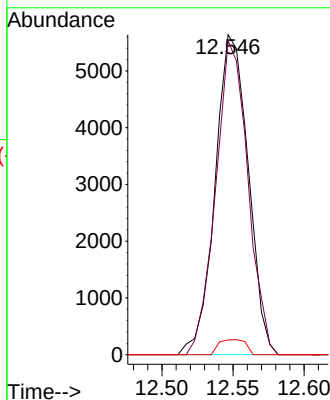
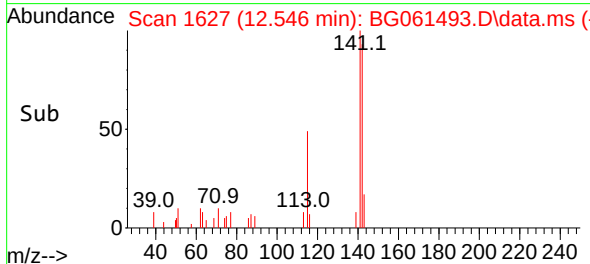
Instrument :
BNA_G
ClientSampleId :
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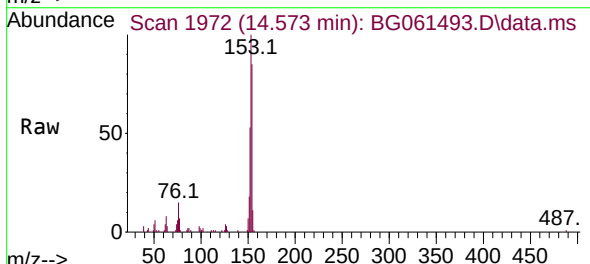
Tgt Ion:142 Resp: 913
Ion Ratio Lower Upper
142 100
141 98.1 75.5 113.3
116 4.6 4.0 6.0

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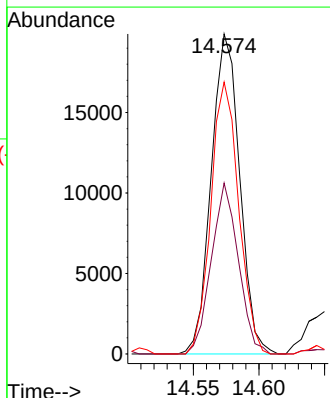
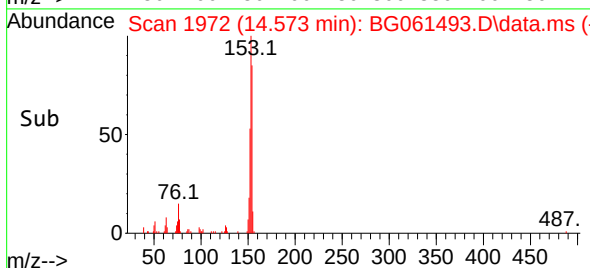
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024

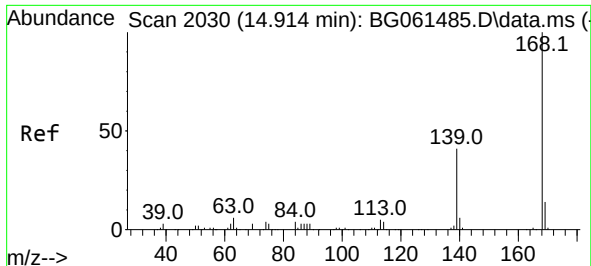


#52
Acenaphthene
Concen: 5.876 ng/ul
RT: 14.573 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BG061493.D
Acq: 5 Jun 2024 19:18



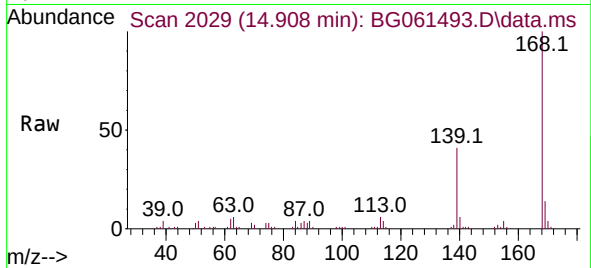
Tgt Ion:153 Resp: 29993
Ion Ratio Lower Upper
153 100
152 53.4 37.8 56.8
154 84.9 69.0 103.6





#56
Dibenzenofuran
Concen: 6.788 ng/ul
RT: 14.908 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BG061493.D
Acq: 5 Jun 2024 19:18

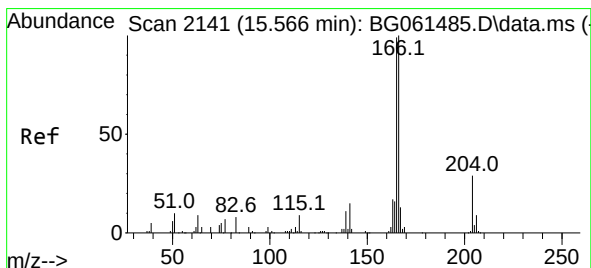
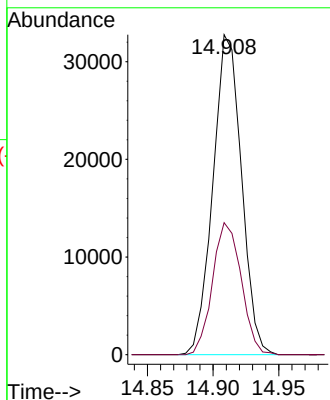
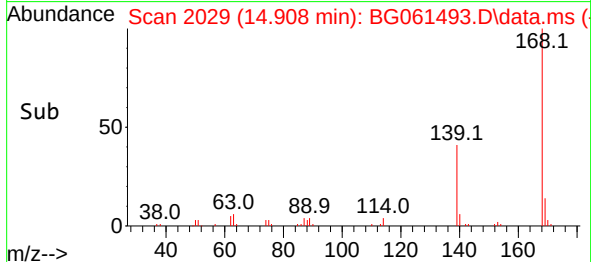
Instrument :
BNA_G
ClientSampleId :
BHBR5



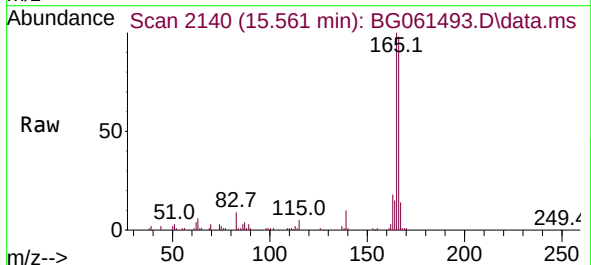
Tgt Ion:168 Resp: 49540
Ion Ratio Lower Upper
168 100
139 41.2 33.4 50.2

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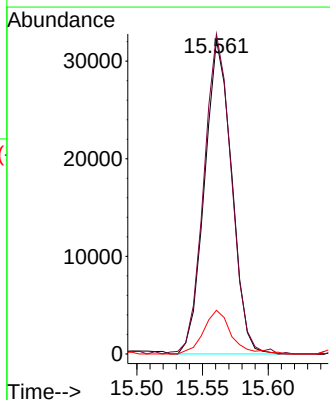
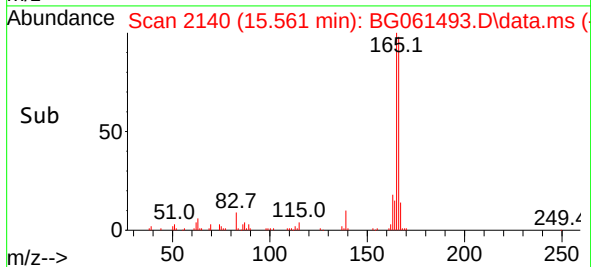
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024

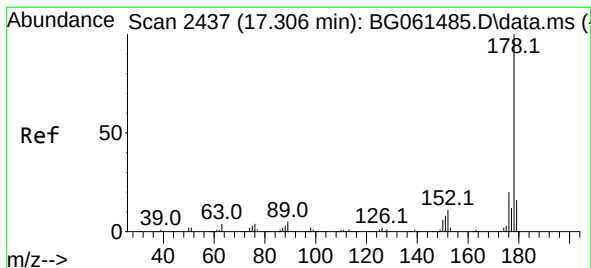


#61
Fluorene
Concen: 7.317 ng/ul
RT: 15.561 min Scan# 2140
Delta R.T. 0.000 min
Lab File: BG061493.D
Acq: 5 Jun 2024 19:18



Tgt Ion:166 Resp: 46207
Ion Ratio Lower Upper
166 100
165 101.8 81.8 122.8
167 13.9 10.6 16.0





#72

Phenanthrene

Concen: 69.469 ng/ul

RT: 17.306 min Scan# 2437

Delta R.T. 0.006 min

Lab File: BG061493.D

Acq: 5 Jun 2024 19:18

Instrument :

BNA_G

ClientSampleId :

BHBR5

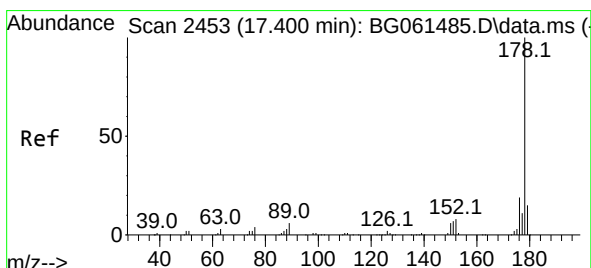
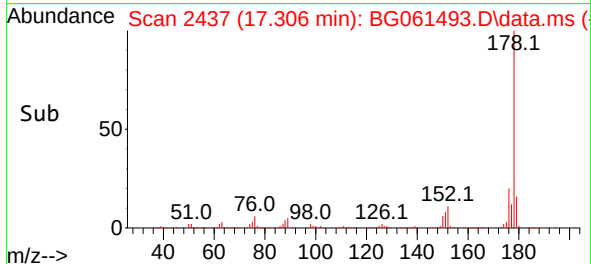
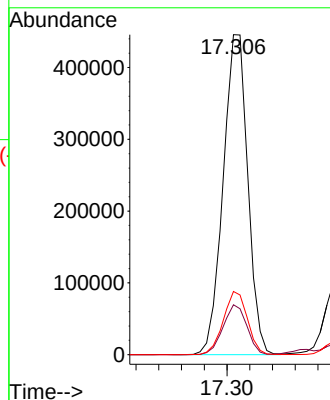
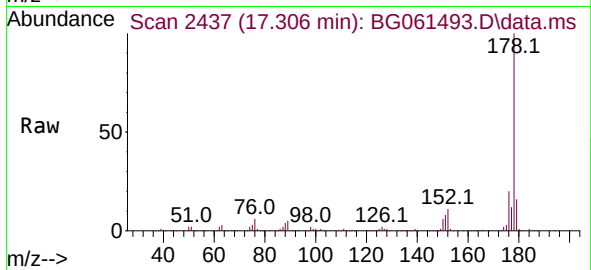
Tgt Ion:178 Resp: 67119

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.7	19.1
176	19.8	15.5	23.3

Manual Integrations

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#74

Anthracene

Concen: 15.265 ng/ul

RT: 17.394 min Scan# 2452

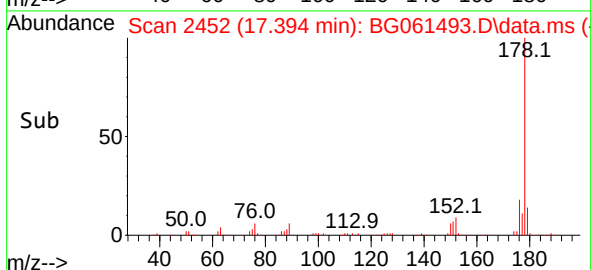
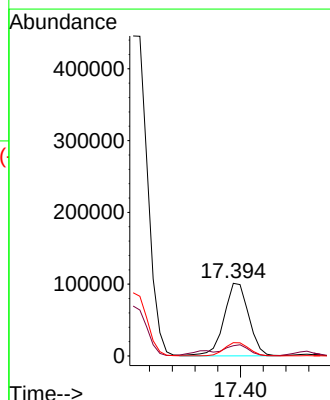
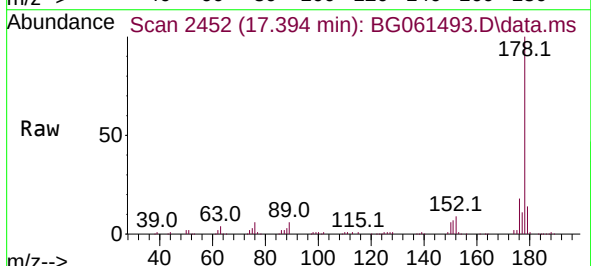
Delta R.T. 0.000 min

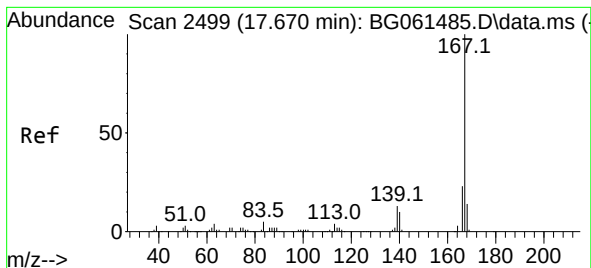
Lab File: BG061493.D

Acq: 5 Jun 2024 19:18

Tgt Ion:178 Resp: 152494

Ion	Ratio	Lower	Upper
178	100		
179	14.1	11.8	17.6
176	18.3	14.9	22.3





#77

Carbazole

Concen: 10.049 ng/ul

RT: 17.670 min Scan# 2499

Delta R.T. 0.006 min

Lab File: BG061493.D

Acq: 5 Jun 2024 19:18

Instrument :

BNA_G

ClientSampleId :

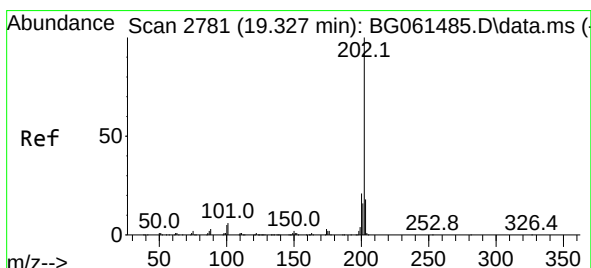
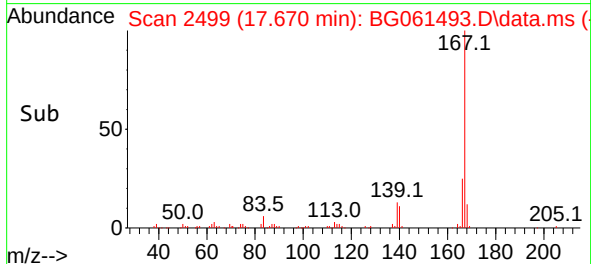
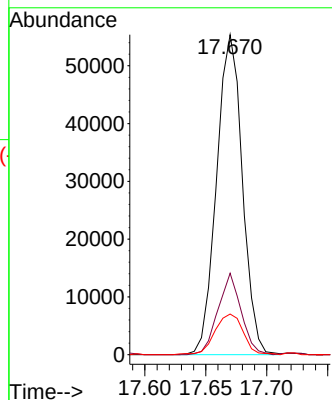
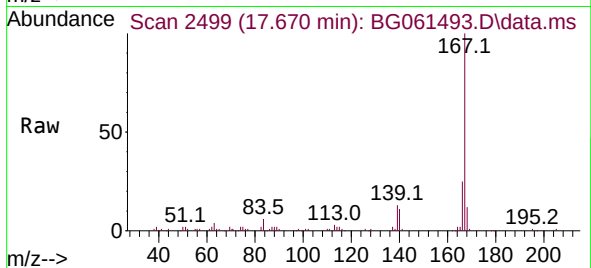
BHBR5

Tgt Ion:	167	Resp:	8165
Ion Ratio	Lower	Upper	
167	100		
166	25.4	18.6	28.0
139	12.7	10.6	15.8

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#80

Fluoranthene

Concen: 64.943 ng/ul

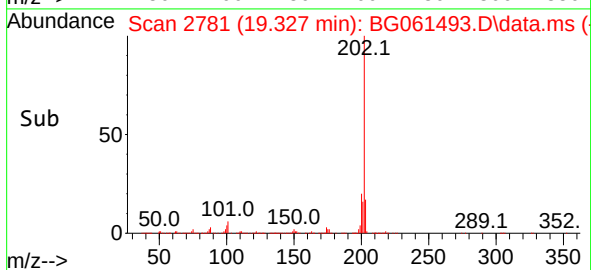
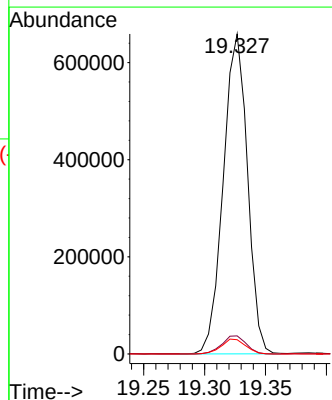
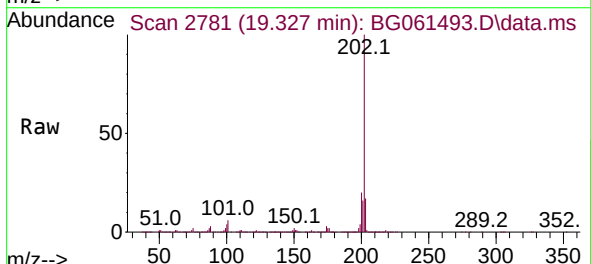
RT: 19.327 min Scan# 2781

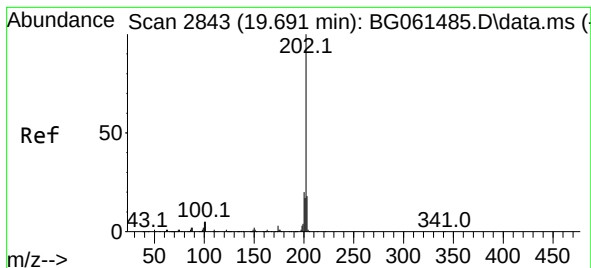
Delta R.T. 0.012 min

Lab File: BG061493.D

Acq: 5 Jun 2024 19:18

Tgt Ion:	202	Resp:	906540
Ion Ratio	Lower	Upper	
202	100		
101	5.6	4.8	7.2
100	4.5	4.1	6.1





#82

Pyrene

Concen: 47.652 ng/ul

RT: 19.685 min Scan# 21

Delta R.T. 0.006 min

Lab File: BG061493.D

Acq: 5 Jun 2024 19:18

Instrument :

BNA_G

ClientSampleId :

BHBR5

Tgt Ion:202 Resp: 690450

Ion Ratio Lower Upper

202 100

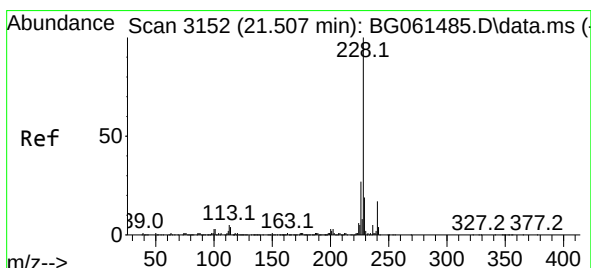
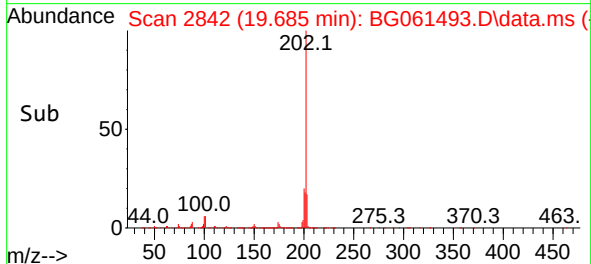
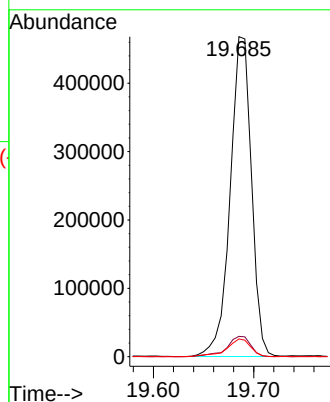
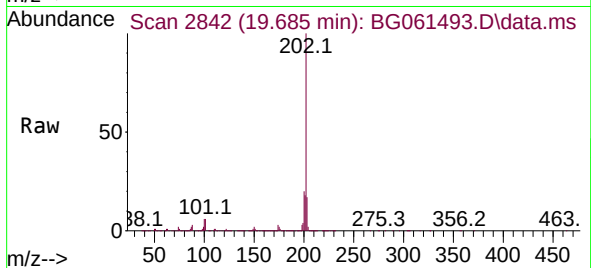
101 6.4 5.7 8.5

100 5.5 5.1 7.7

Manual Integrations

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#85

Benzo(a)anthracene

Concen: 28.673 ng/ul

RT: 21.501 min Scan# 3151

Delta R.T. 0.006 min

Lab File: BG061493.D

Acq: 5 Jun 2024 19:18

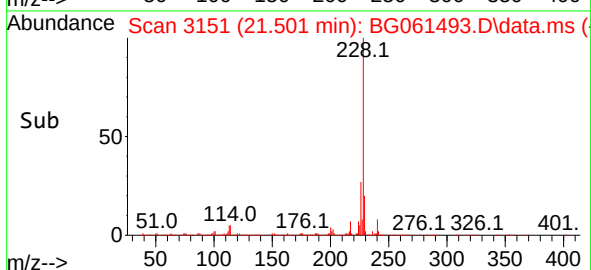
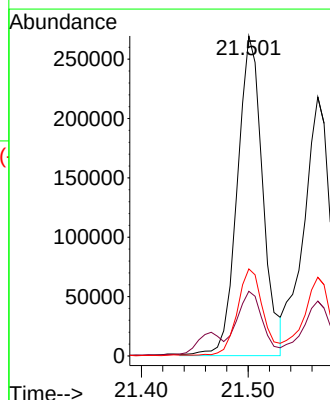
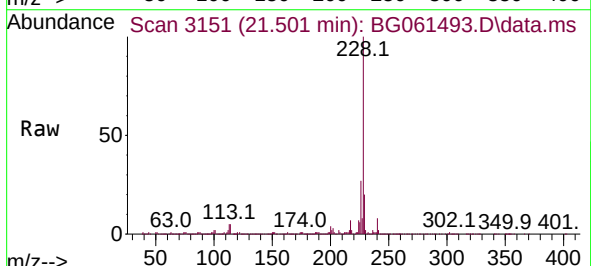
Tgt Ion:228 Resp: 448360

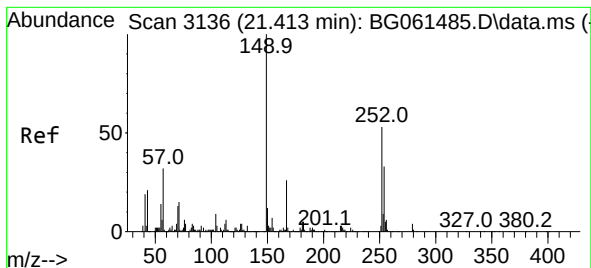
Ion Ratio Lower Upper

228 100

229 20.2 15.2 22.8

226 27.2 21.4 32.2





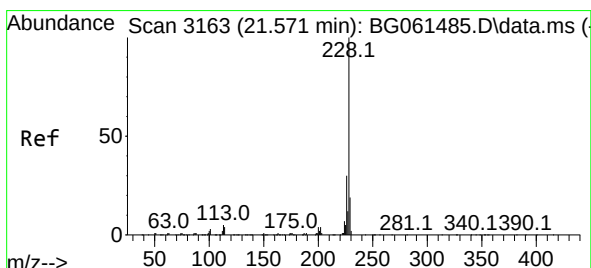
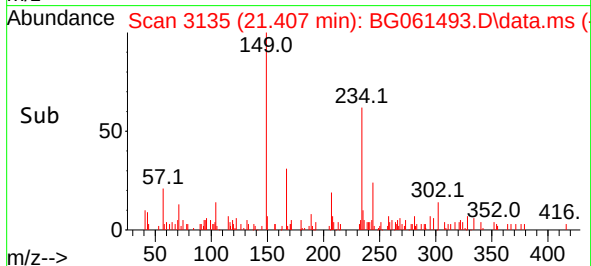
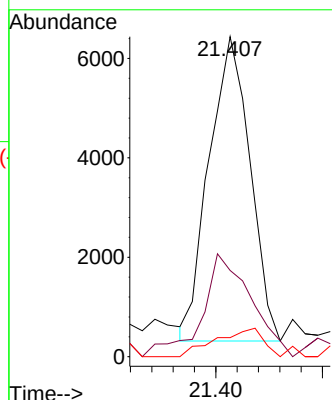
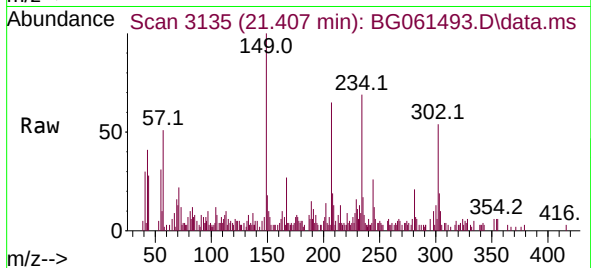
#86
Bis(2-ethylhexyl)phthalate
Concen: 1.107 ng/ul
RT: 21.407 min Scan# 3135
Delta R.T. 0.000 min
Lab File: BG061493.D
Acq: 5 Jun 2024 19:18

Instrument :
BNA_G
ClientSampleId :
BHBR5

Tgt Ion:149 Resp: 815
Ion Ratio Lower Upper
149 100
167 26.9 21.1 31.7
279 5.9 3.3 4.9

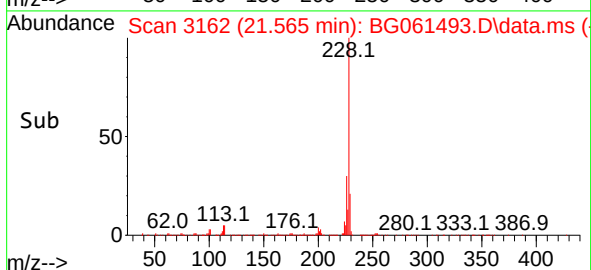
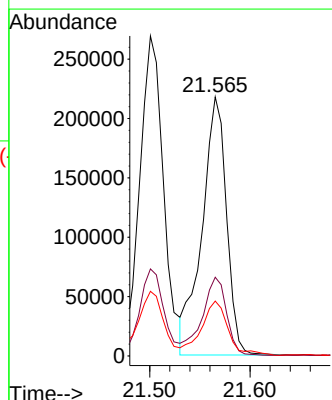
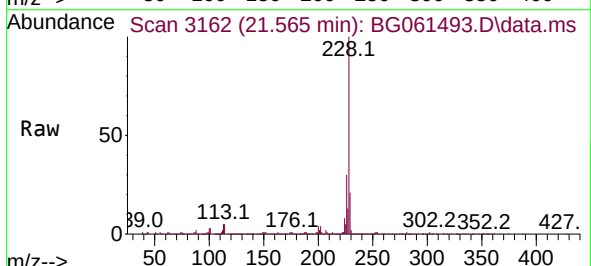
Manual Integrations
APPROVED

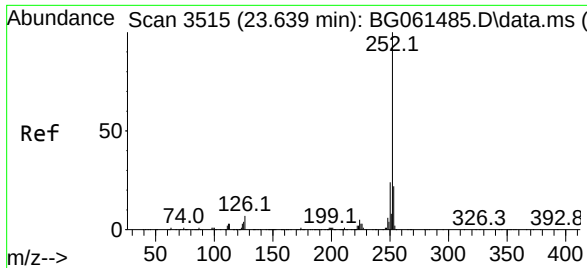
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#87
Chrysene
Concen: 25.723 ng/ul
RT: 21.565 min Scan# 3162
Delta R.T. 0.012 min
Lab File: BG061493.D
Acq: 5 Jun 2024 19:18

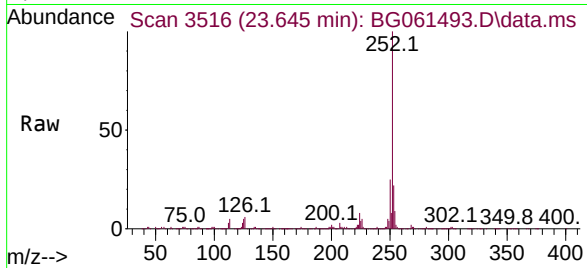
Tgt Ion:228 Resp: 370372
Ion Ratio Lower Upper
228 100
226 30.4 23.4 35.0
229 21.2 15.4 23.2





#90
Benzo(b)fluoranthene
Concen: 29.377 ng/ul
RT: 23.645 min Scan# 3515
Delta R.T. 0.030 min
Lab File: BG061493.D
Acq: 5 Jun 2024 19:18

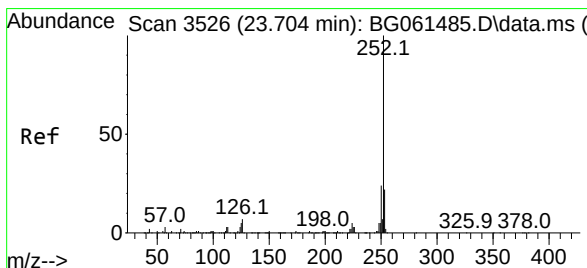
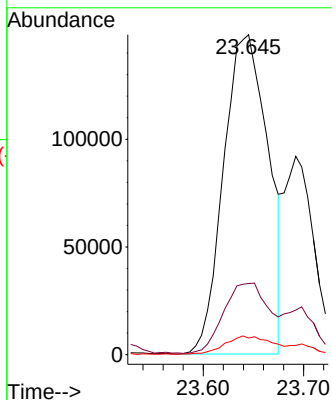
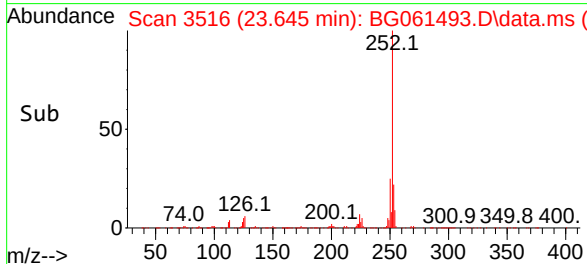
Instrument :
BNA_G
ClientSampleId :
BHBR5



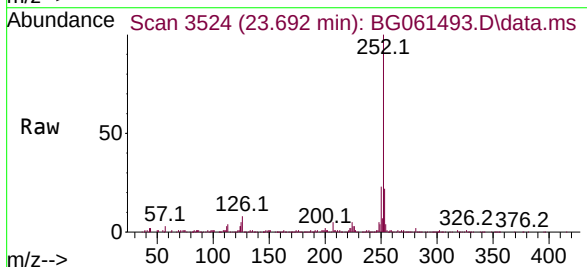
Tgt Ion:252 Resp: 457488
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 5.2 4.6 6.8

Manual Integrations
APPROVED

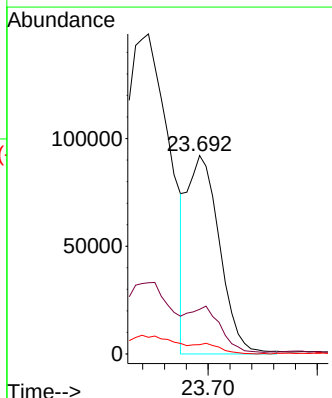
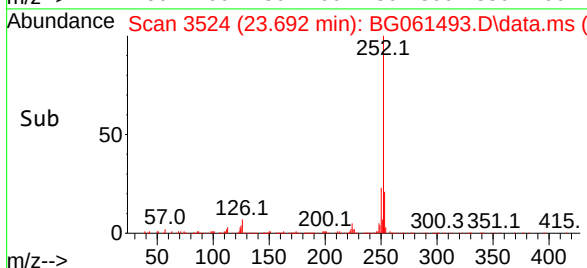
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024

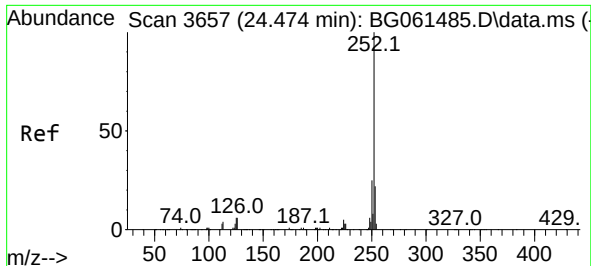


#91
Benzo(k)fluoranthene
Concen: 11.996 ng/ul m
RT: 23.692 min Scan# 3524
Delta R.T. 0.012 min
Lab File: BG061493.D
Acq: 5 Jun 2024 19:18



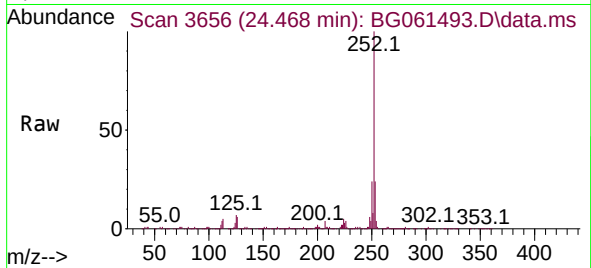
Tgt Ion:252 Resp: 189652
Ion Ratio Lower Upper
252 100
253 22.5 16.0 24.0
125 4.7 4.3 6.5





#93
Benzo(a)pyrene
Concen: 21.637 ng/ul
RT: 24.468 min Scan# 31958
Delta R.T. 0.018 min
Lab File: BG061493.D
Acq: 5 Jun 2024 19:18

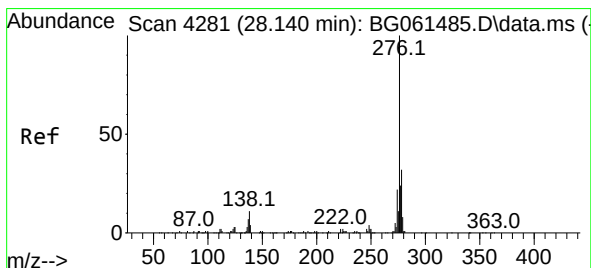
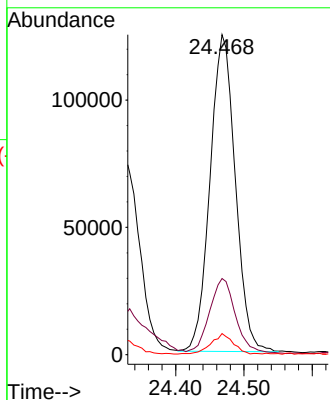
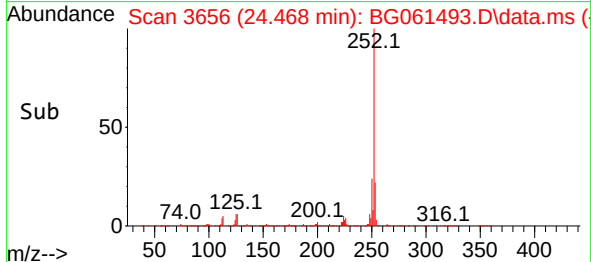
Instrument :
BNA_G
ClientSampleId :
BHBR5



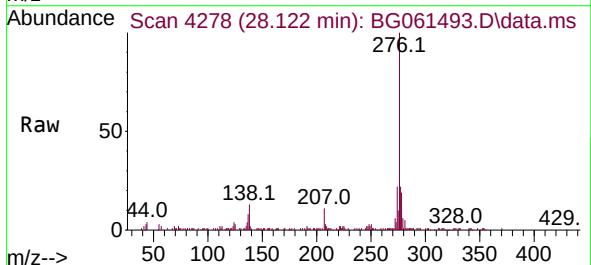
Tgt Ion:252 Resp: 31958
Ion Ratio Lower Upper
252 100
253 23.8 16.4 24.6
125 6.6 4.3 6.5

Manual Integrations
APPROVED

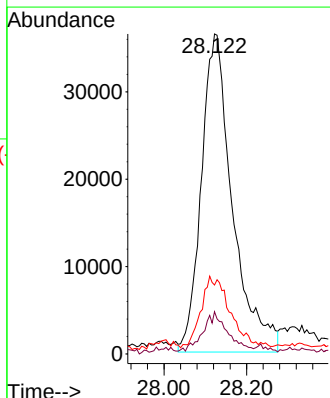
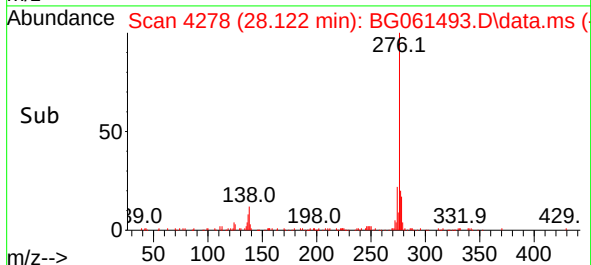
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024

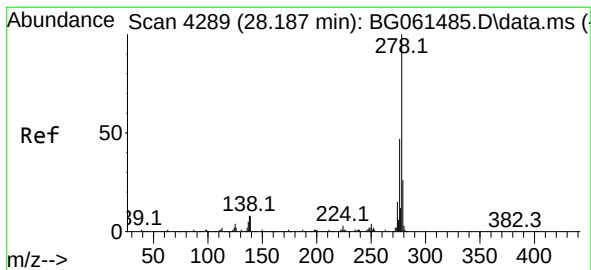


#94
Indeno(1,2,3-cd)pyrene
Concen: 10.663 ng/ul m
RT: 28.122 min Scan# 4278
Delta R.T. 0.030 min
Lab File: BG061493.D
Acq: 5 Jun 2024 19:18



Tgt Ion:276 Resp: 190689
Ion Ratio Lower Upper
276 100
138 13.2 8.6 13.0#
277 21.6 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 3.289 ng/ul m

RT: 28.152 min Scan# 4283

Delta R.T. 0.012 min

Lab File: BG061493.D

Acq: 5 Jun 2024 19:18

Instrument :

BNA_G

ClientSampleId :

BHBR5

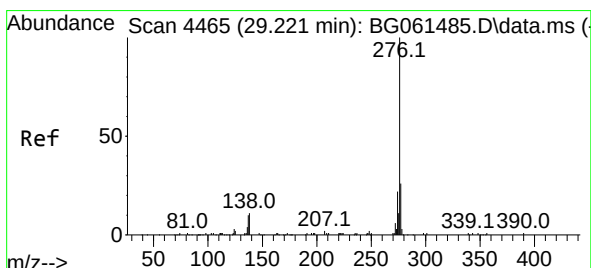
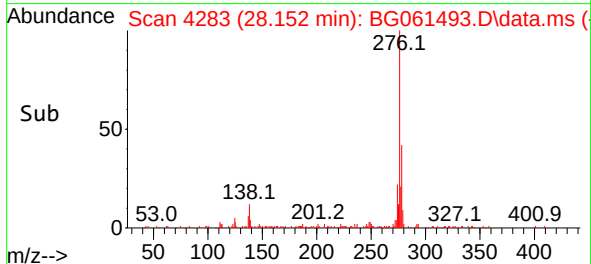
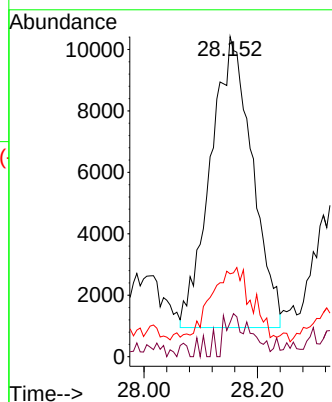
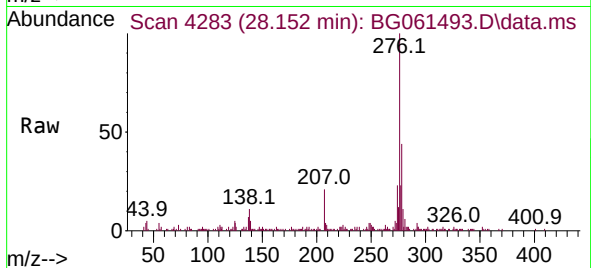
Tgt Ion:278 Resp: 4850

Ion	Ratio	Lower	Upper
278	100		
139	10.7	6.4	9.6
279	25.9	19.9	29.9

Manual Integrations

APPROVED

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



#96

Benzo(g,h,i)perylene

Concen: 10.903 ng/ul m

RT: 29.215 min Scan# 4464

Delta R.T. 0.041 min

Lab File: BG061493.D

Acq: 5 Jun 2024 19:18

Tgt Ion:276 Resp: 155110

Ion	Ratio	Lower	Upper
276	100		
138	10.7	8.7	13.1
277	21.9	18.2	27.2

