

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061457.D
 Acq On : 4 Jun 2024 16:12
 Operator : MA/JU
 Sample : P2590-21
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBM5

Manual Integrations
 APPROVED

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

Quant Time: Jun 04 16:47:22 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	27265	20.000	ng/u1	0.00
20) Naphthalene-d8	10.672	136	115849	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.515	164	88128	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.265	188	195934	20.000	ng/u1	0.00
79) Chrysene-d12	21.524	240	209801	20.000	ng/u1	0.01
88) Perylene-d12	24.626	264	245310	20.000	ng/u1	# 0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	1641	3.368	ng/uL	0.00
4) Pyridine-d5	3.745	84	11497	6.633	ng/u1	0.00
7) Phenol-d5	7.065	99	56595	25.277	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.206	67	34519	24.528	ng/u1	0.00
11) 2-Chlorophenol-d4	7.417	132	45386	27.390	ng/u1	0.00
15) 4-Methylphenol-d8	8.598	113	45982	24.085	ng/u1	0.00
21) Nitrobenzene-d5	9.033	128	22967	25.749	ng/u1	0.00
24) 2-Nitrophenol-d4	9.756	143	28304	27.114	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.308	165	56963	27.990	ng/u1	0.00
31) 4-Chloroaniline-d4	10.813	131	9412	3.535	ng/u1	0.01
46) Dimethylphthalate-d6	13.916	166	185314	27.112	ng/u1	0.00
49) Acenaphthylene-d8	14.203	160	203302	28.610	ng/u1	0.00
54) 4-Nitrophenol-d4	14.762	143	18397	21.771	ng/u1	0.02
60) Fluorene-d10	15.508	176	165735	28.086	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.655	200	25645	21.640	ng/u1	0.02
73) Anthracene-d10	17.364	188	267507	30.968	ng/u1	0.00
81) Pyrene-d10	19.662	212	328059	30.454	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.415	264	356425	30.222	ng/u1	0.03
Target Compounds						
					Qvalue	
30) Naphthalene	10.719	128	11589	1.895	ng/u1#	93
36) 2-Methylnaphthalene	12.329	142	6264	1.413	ng/u1	94
37) 1-Methylnaphthalene	12.552	142	6725	1.478	ng/u1	98
50) Acenaphthylene	14.239	152	29787m	3.780	ng/u1	
52) Acenaphthene	14.574	153	6258m	1.211	ng/u1	
56) Dibenzofuran	14.914	168	7735	1.047	ng/u1	100
61) Fluorene	15.561	166	15374	2.404	ng/u1	92
72) Phenanthrene	17.306	178	450595	47.382	ng/u1	99
74) Anthracene	17.394	178	38380	3.903	ng/u1	98
77) Carbazole	17.670	167	24460	3.058	ng/u1	93
78) Di-n-butylphthalate	18.228	149	10757	1.073	ng/u1#	93
80) Fluoranthene	19.327	202	966925	74.823	ng/u1	99
82) Pyrene	19.691	202	1065099	79.402	ng/u1	99
85) Benzo(a)anthracene	21.507	228	583013	40.273	ng/u1	95
86) Bis(2-ethylhexyl)phtha...	21.413	149	17963	2.633	ng/u1#	83
87) Chrysene	21.571	228	677484	50.825	ng/u1	96
90) Benzo(b)fluoranthene	23.651	252	782533	53.578	ng/u1	98
91) Benzo(k)fluoranthene	23.704	252	308695m	20.819	ng/u1	
93) Benzo(a)pyrene	24.485	252	595845	42.962	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.158	276	414846	24.735	ng/u1	99
95) Dibenzo(a,h)anthracene	28.187	278	110432	7.985	ng/u1	93
96) Benzo(g,h,i)perylene	29.256	276	377005	28.256	ng/u1	98

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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)

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

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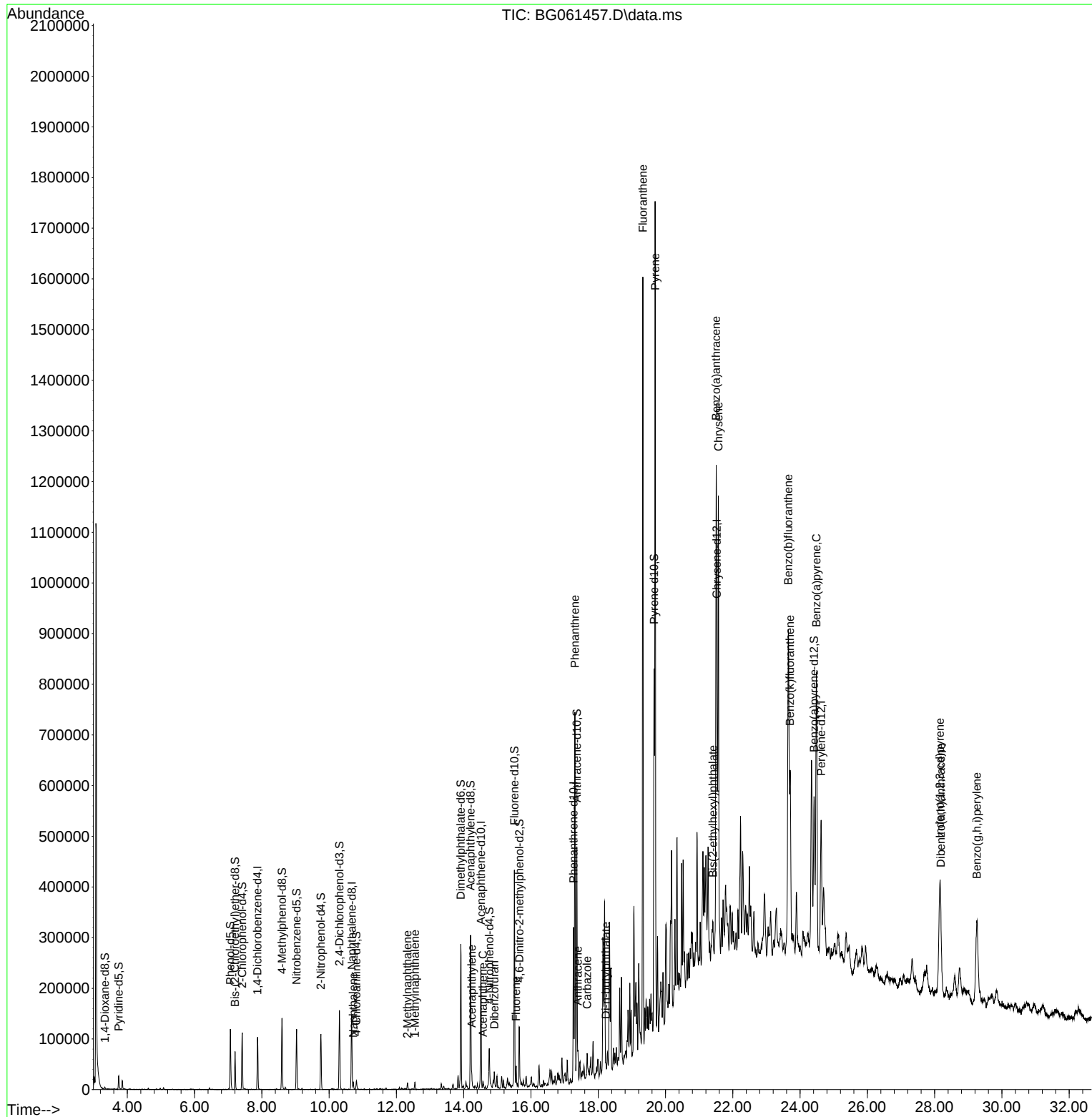
Quant Time: Jun 04 16:47:22 2024

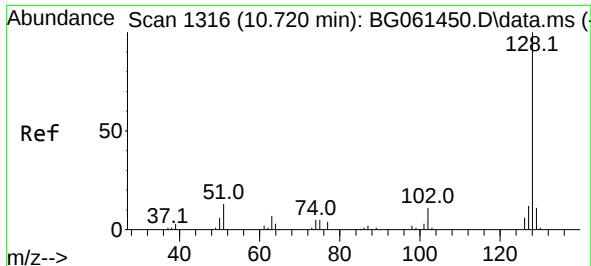
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu May 30 22:54:48 2024

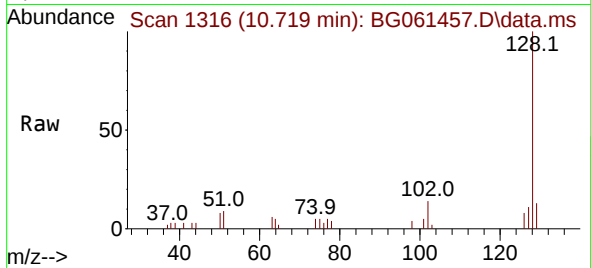
Response via : Initial Calibration





#30
Naphthalene
Concen: 1.895 ng/ul
RT: 10.719 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BG061457.D
Acq: 4 Jun 2024 16:12

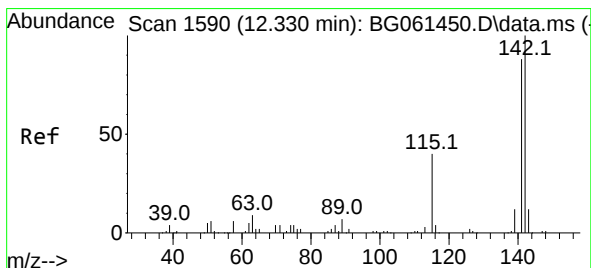
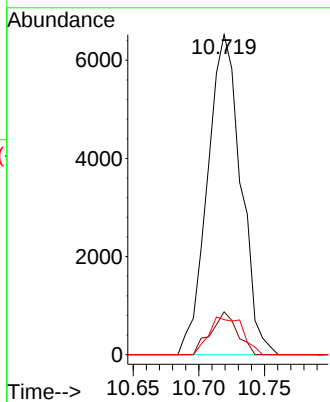
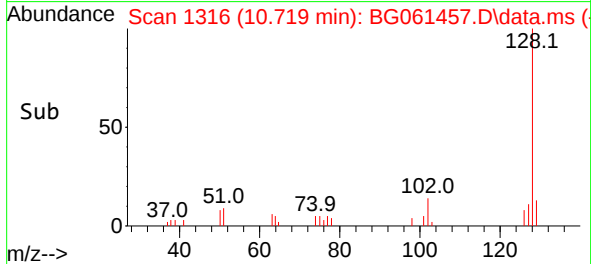
Instrument :
BNA_G
ClientSampleId :
BHBM5



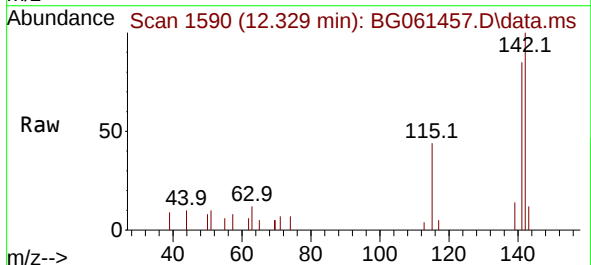
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Ion Ratio Lower Upper
128 100
129 13.4 8.6 12.8
127 10.9 10.8 16.2

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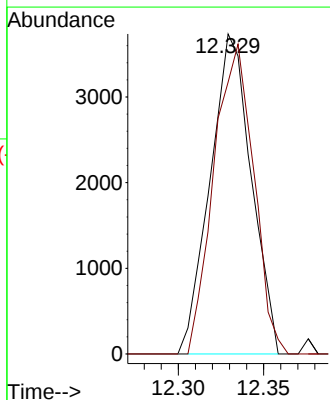
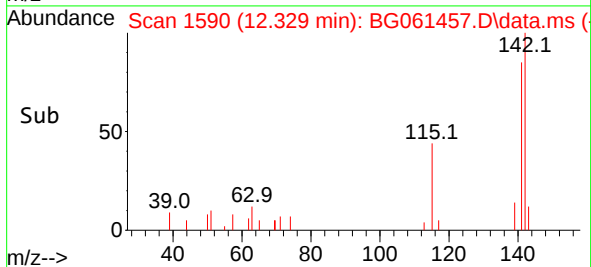
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

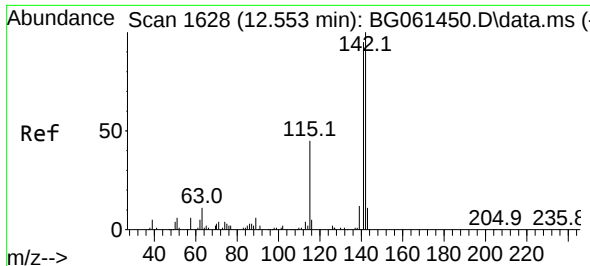


#36
2-Methylnaphthalene
Concen: 1.413 ng/ul
RT: 12.329 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BG061457.D
Acq: 4 Jun 2024 16:12



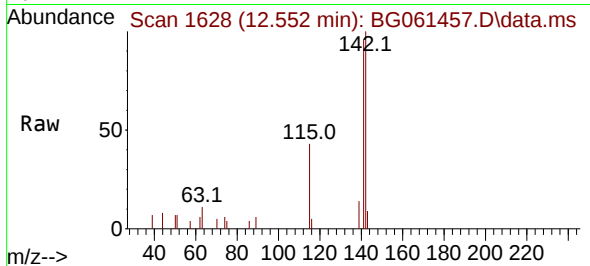
Tgt Ion:142 Resp: 6264
Ion Ratio Lower Upper
142 100
141 85.0 72.2 108.2





#37
1-Methylnaphthalene
Concen: 1.478 ng/ul
RT: 12.552 min Scan# 10
Delta R.T. 0.006 min
Lab File: BG061457.D
Acq: 4 Jun 2024 16:12

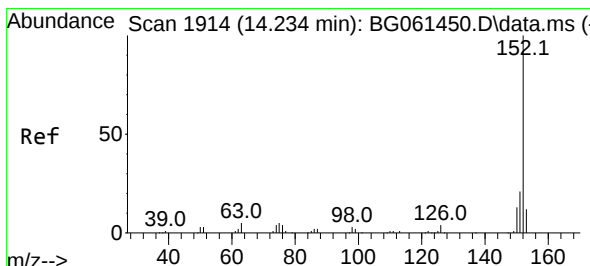
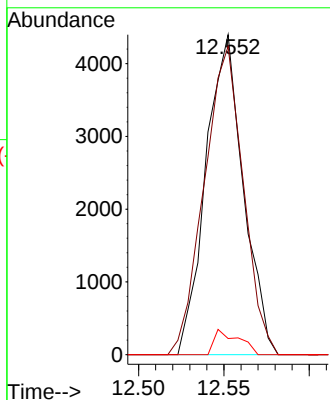
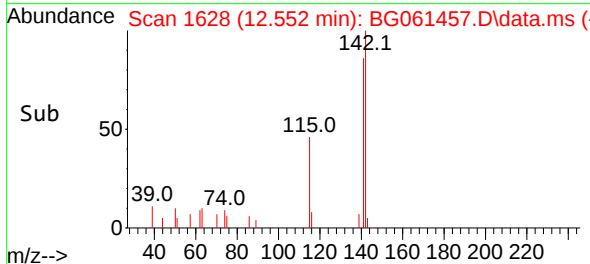
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:142 Resp: 6725
Ion Ratio Lower Upper
142 100
141 96.4 75.5 113.3
116 5.1 4.0 6.0

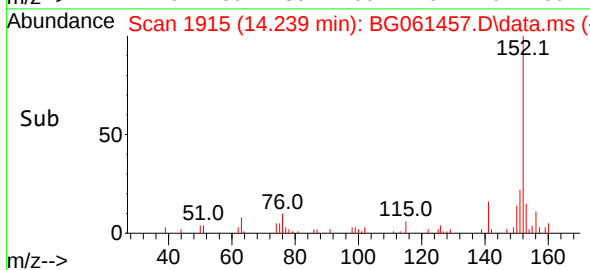
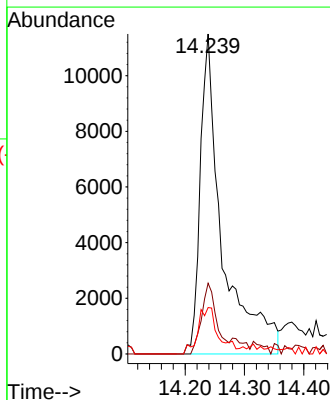
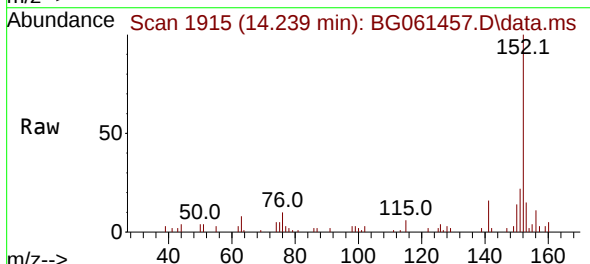
Manual Integrations
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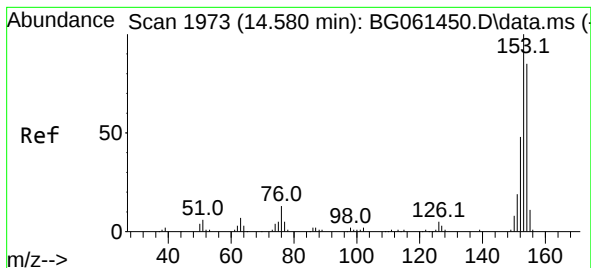
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#50
Acenaphthylene
Concen: 3.780 ng/ul m
RT: 14.239 min Scan# 1915
Delta R.T. 0.006 min
Lab File: BG061457.D
Acq: 4 Jun 2024 16:12

Tgt Ion:152 Resp: 29787
Ion Ratio Lower Upper
152 100
151 22.1 16.2 24.2
153 14.5 10.2 15.4





#52

Acenaphthene

Concen: 1.211 ng/ul m

RT: 14.574 min Scan# 1973

Delta R.T. 0.000 min

Lab File: BG061457.D

Acq: 4 Jun 2024 16:12

Instrument :

BNA_G

ClientSampleId :

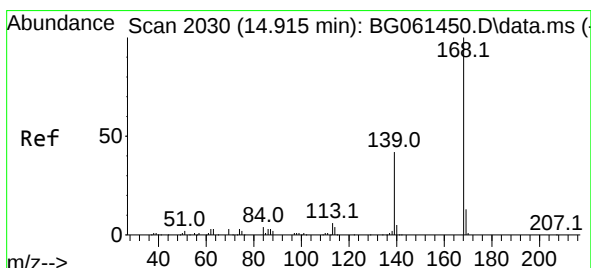
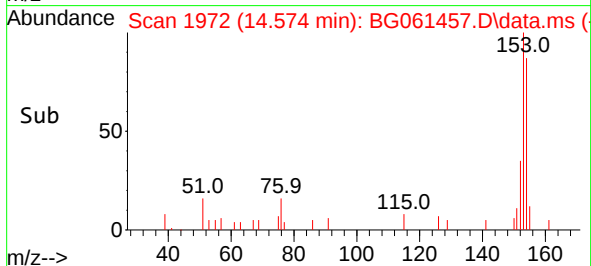
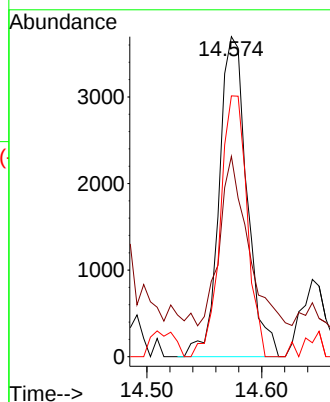
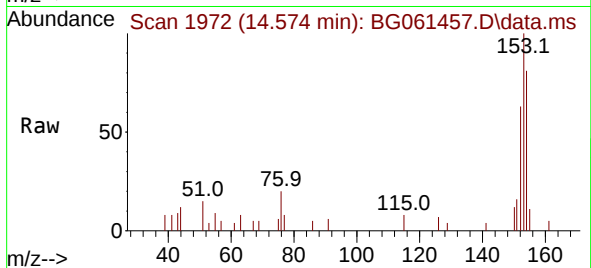
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Tgt Ion:	153	Resp:	625
Ion Ratio	Lower	Upper	
153	100		
152	62.6	37.8	56.8
154	81.5	69.0	103.6

Manual Integrations

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#56

Dibenzofuran

Concen: 1.047 ng/ul

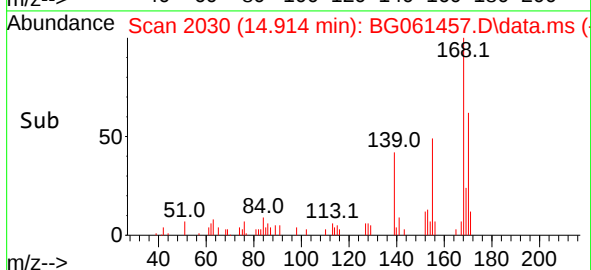
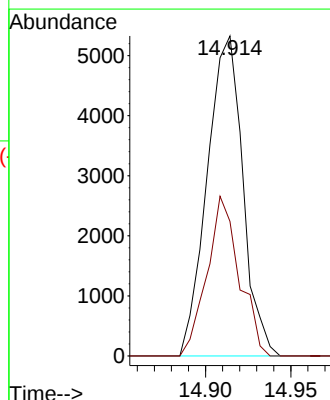
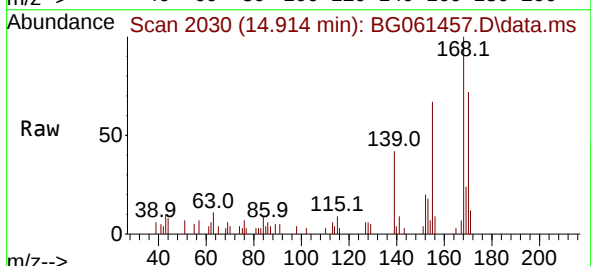
RT: 14.914 min Scan# 2030

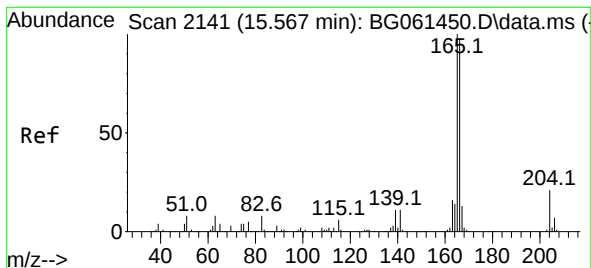
Delta R.T. 0.006 min

Lab File: BG061457.D

Acq: 4 Jun 2024 16:12

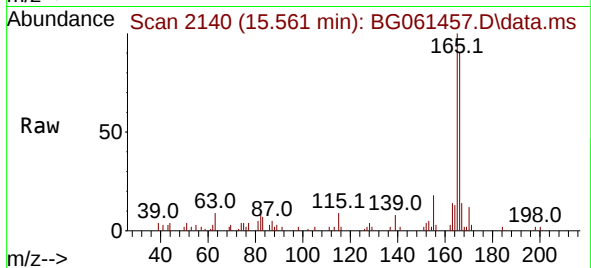
Tgt Ion:	168	Resp:	7735
Ion Ratio	Lower	Upper	
168	100		
139	42.0	33.4	50.2





#61
Fluorene
Concen: 2.404 ng/u1
RT: 15.561 min Scan# 2141
Delta R.T. 0.000 min
Lab File: BG061457.D
Acq: 4 Jun 2024 16:12

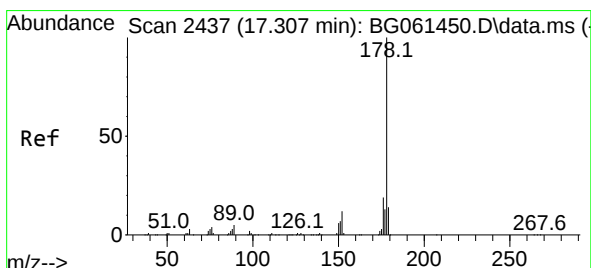
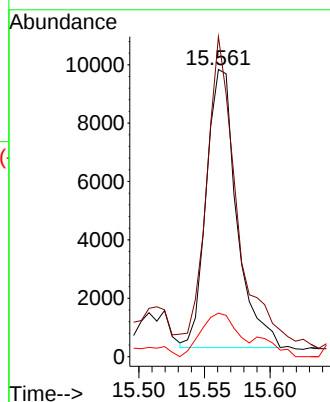
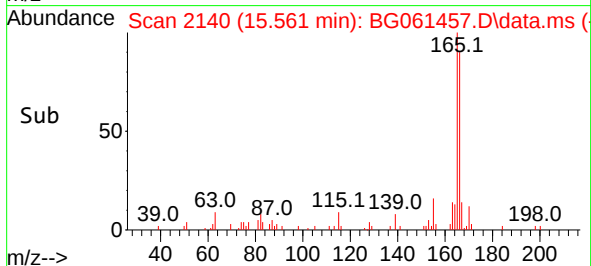
Instrument :
BNA_G
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BHBM5



Tgt Ion:166 Resp: 15374
Ion Ratio Lower Upper
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165 111.4 81.8 122.8
167 15.2 10.6 16.0

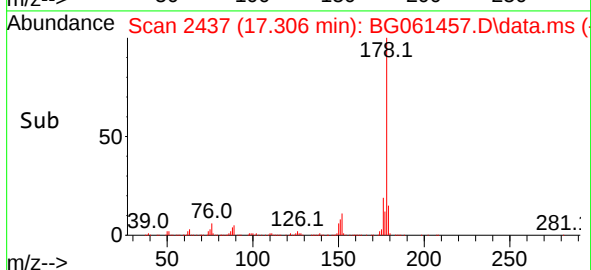
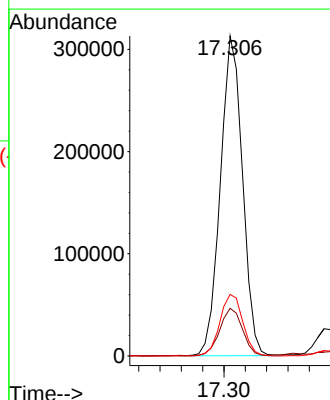
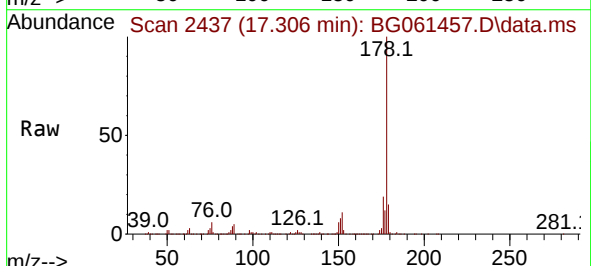
Manual Integrations
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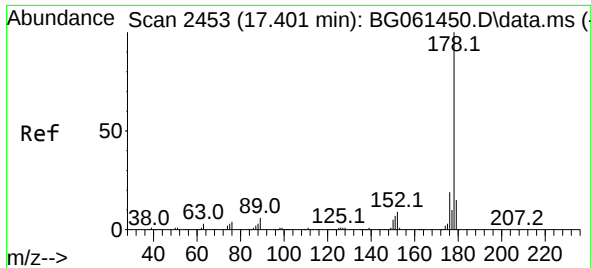
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#72
Phenanthrene
Concen: 47.382 ng/u1
RT: 17.306 min Scan# 2437
Delta R.T. 0.006 min
Lab File: BG061457.D
Acq: 4 Jun 2024 16:12

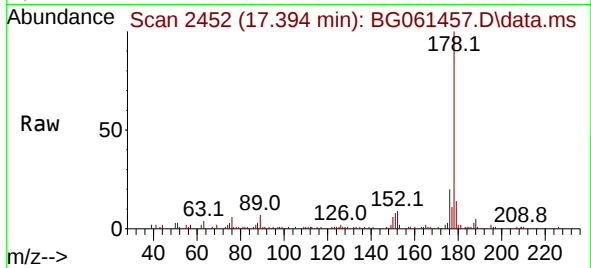
Tgt Ion:178 Resp: 450595
Ion Ratio Lower Upper
178 100
179 14.9 12.7 19.1
176 19.3 15.5 23.3





#74
 Anthracene
 Concen: 3.903 ng/u1
 RT: 17.394 min Scan# 2453
 Delta R.T. 0.000 min
 Lab File: BG061457.D
 Acq: 4 Jun 2024 16:12

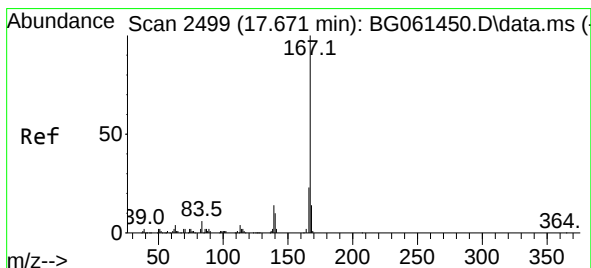
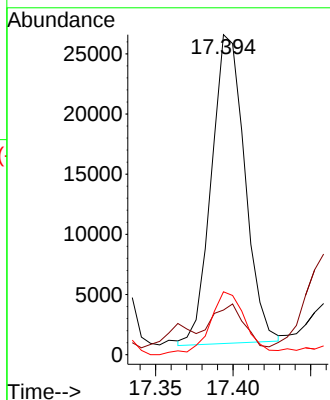
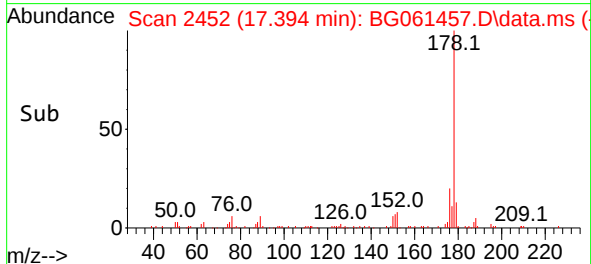
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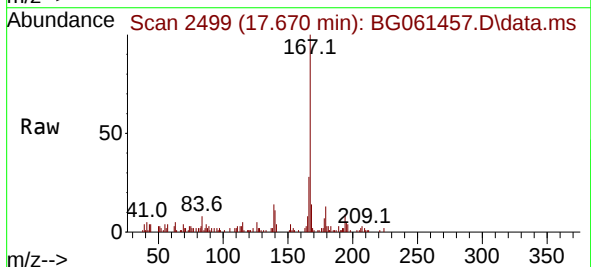
Tgt Ion:178 Resp: 38380
 Ion Ratio Lower Upper
 178 100
 179 14.0 11.8 17.6
 176 19.7 14.9 22.3

Manual Integrations
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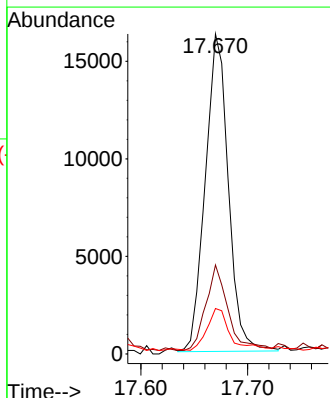
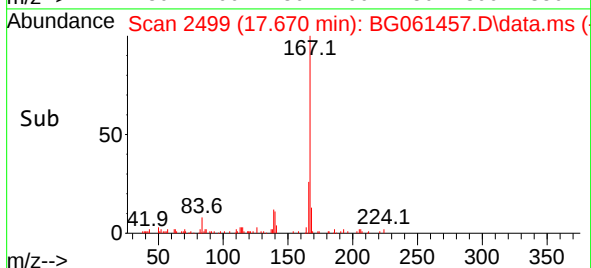
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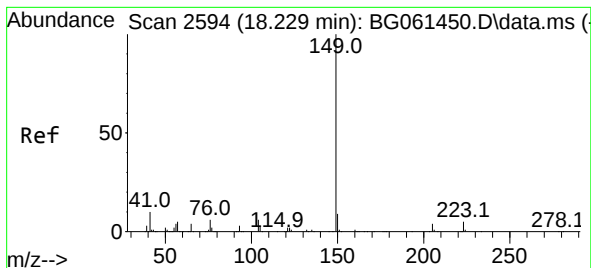


#77
 Carbazole
 Concen: 3.058 ng/u1
 RT: 17.670 min Scan# 2499
 Delta R.T. 0.006 min
 Lab File: BG061457.D
 Acq: 4 Jun 2024 16:12



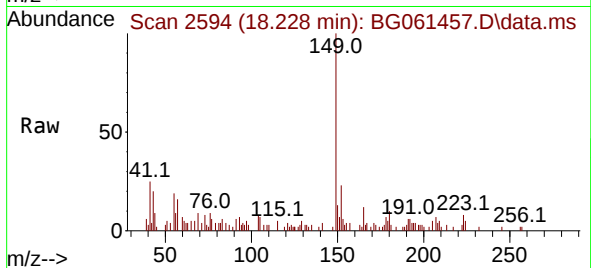
Tgt Ion:167 Resp: 24460
 Ion Ratio Lower Upper
 167 100
 166 27.8 18.6 28.0
 139 14.2 10.6 15.8





#78
Di-n-butylphthalate
Concen: 1.073 ng/ul
RT: 18.228 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG061457.D
Acq: 4 Jun 2024 16:12

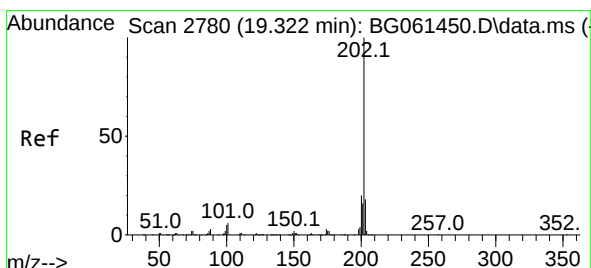
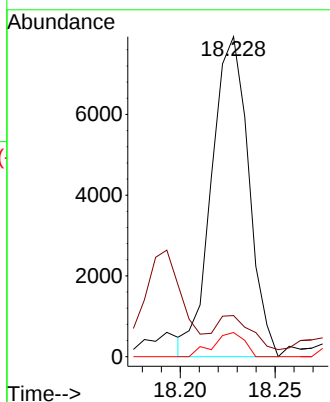
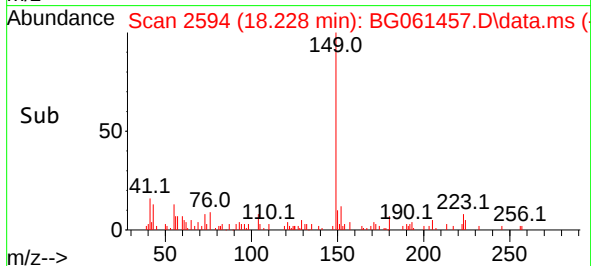
Instrument :
BNA_G
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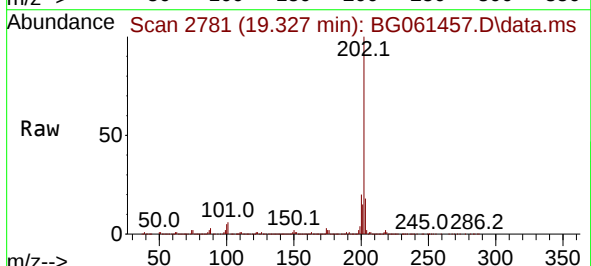
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Ion Ratio Lower Upper
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150 12.8 7.8 11.8
104 7.6 4.8 7.2

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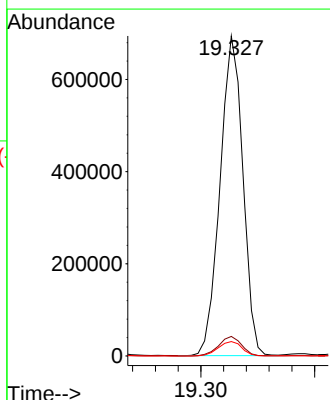
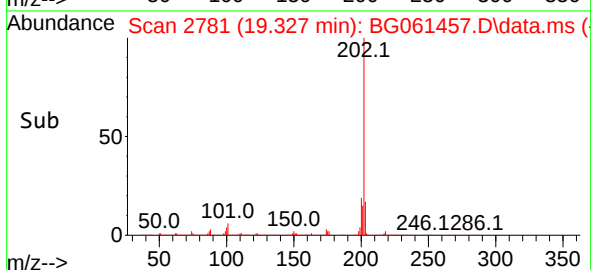
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

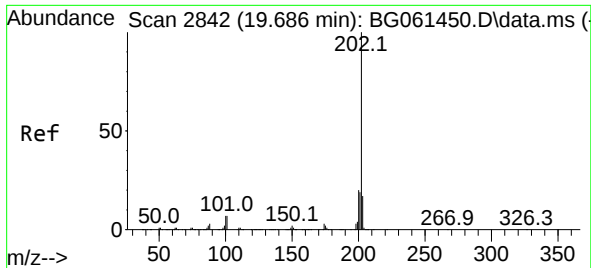


#80
Fluoranthene
Concen: 74.823 ng/ul
RT: 19.327 min Scan# 2781
Delta R.T. 0.012 min
Lab File: BG061457.D
Acq: 4 Jun 2024 16:12



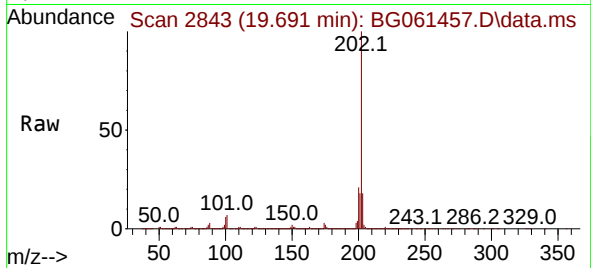
Tgt Ion:202 Resp: 966925
Ion Ratio Lower Upper
202 100
101 6.1 4.8 7.2
100 4.5 4.1 6.1





#82
 Pyrene
 Concen: 79.402 ng/u1
 RT: 19.691 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BG061457.D
 Acq: 4 Jun 2024 16:12

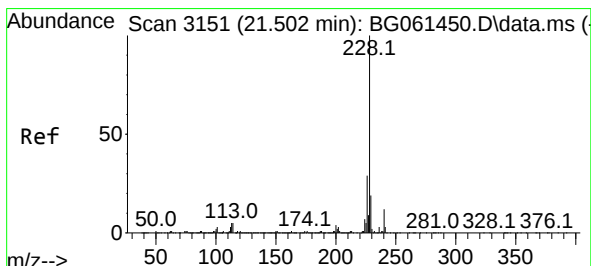
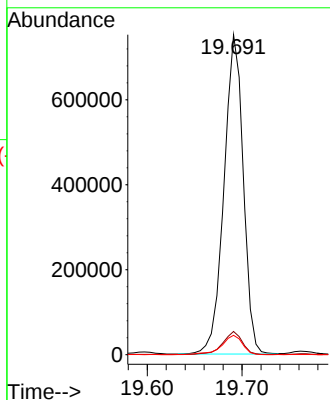
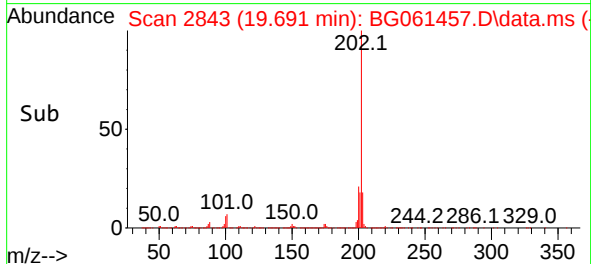
Instrument :
 BNA_G
 ClientSampleId :
 BHBM5



Tgt Ion:202 Resp: 1065099
 Ion Ratio Lower Upper
 202 100
 101 7.3 5.7 8.5
 100 6.0 5.1 7.7

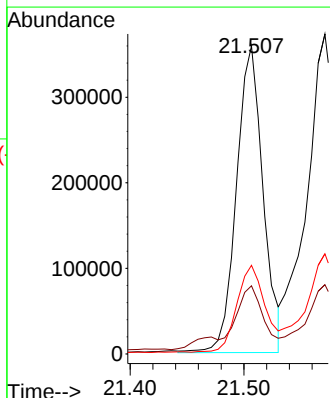
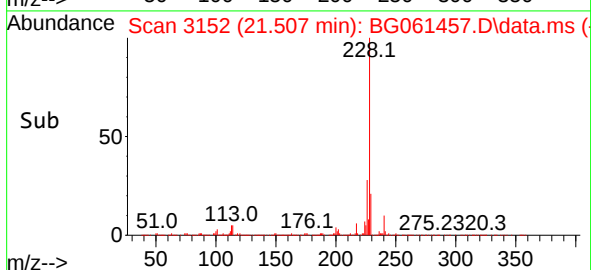
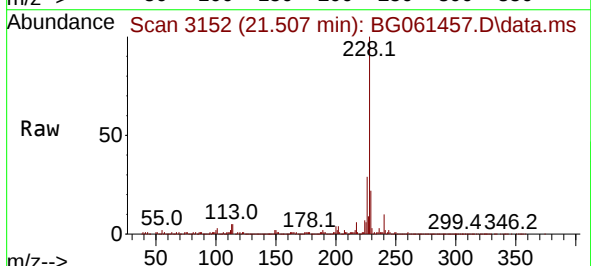
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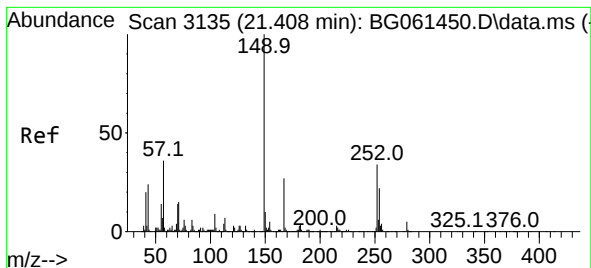
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024



#85
 Benzo(a)anthracene
 Concen: 40.273 ng/u1
 RT: 21.507 min Scan# 3152
 Delta R.T. 0.012 min
 Lab File: BG061457.D
 Acq: 4 Jun 2024 16:12

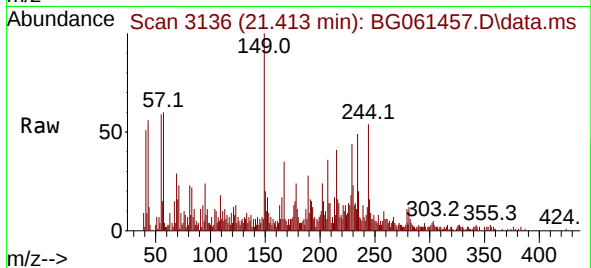
Tgt Ion:228 Resp: 583013
 Ion Ratio Lower Upper
 228 100
 229 22.1 15.2 22.8
 226 28.7 21.4 32.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 2.633 ng/ul
RT: 21.413 min Scan# 3135
Delta R.T. 0.006 min
Lab File: BG061457.D
Acq: 4 Jun 2024 16:12

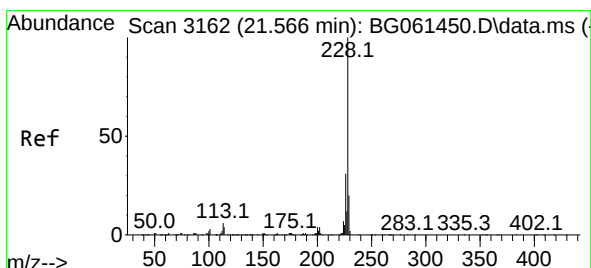
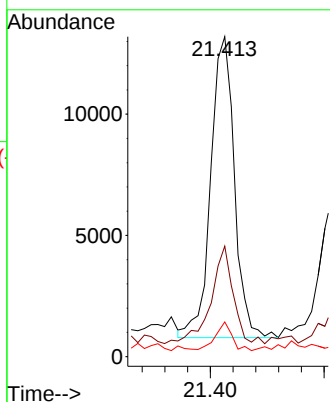
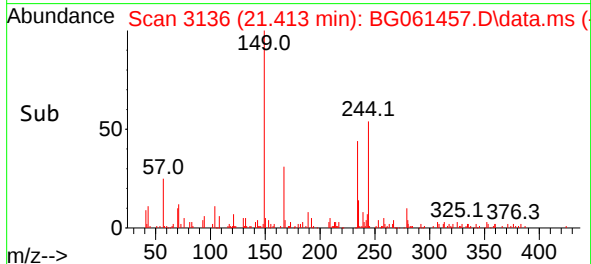
Instrument :
BNA_G
ClientSampleId :
BHBM5



Tgt Ion:149 Resp: 1796
Ion Ratio Lower Upper
149 100
167 34.6 21.1 31.7
279 10.8 3.3 4.9

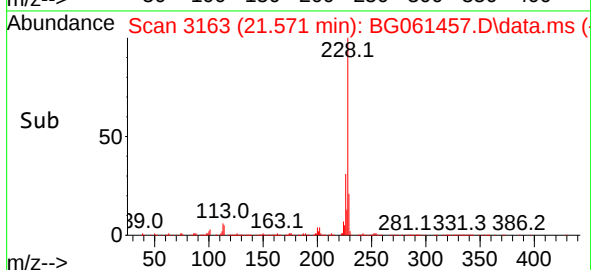
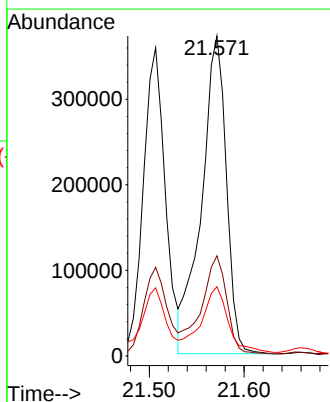
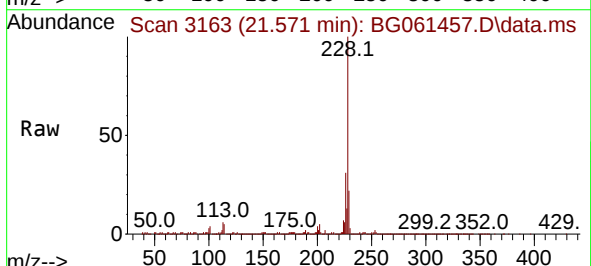
Manual Integrations
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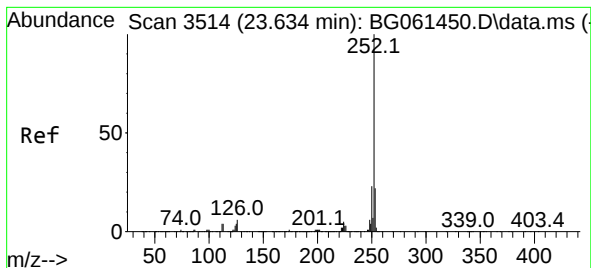
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#87
Chrysene
Concen: 50.825 ng/ul
RT: 21.571 min Scan# 3163
Delta R.T. 0.018 min
Lab File: BG061457.D
Acq: 4 Jun 2024 16:12

Tgt Ion:228 Resp: 677484
Ion Ratio Lower Upper
228 100
226 31.3 23.4 35.0
229 21.6 15.4 23.2





#90

Benzo(b)fluoranthene

Concen: 53.578 ng/ul

RT: 23.651 min Scan# 3517

Delta R.T. 0.036 min

Lab File: BG061457.D

Acq: 4 Jun 2024 16:12

Instrument :

BNA_G

ClientSampleId :

BHBM5

Tgt Ion:252 Resp: 78253

Ion Ratio Lower Upper

252 100

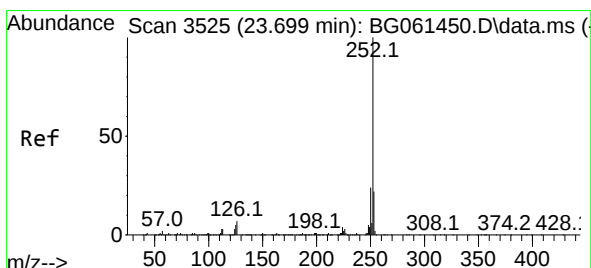
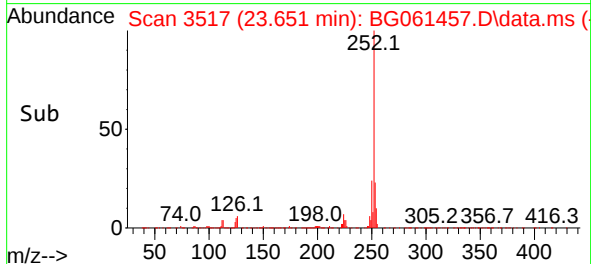
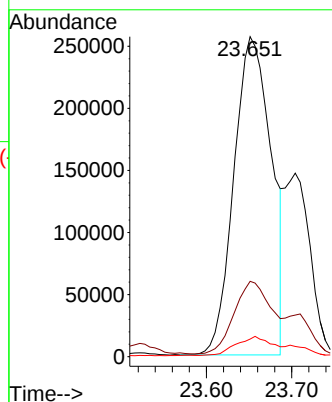
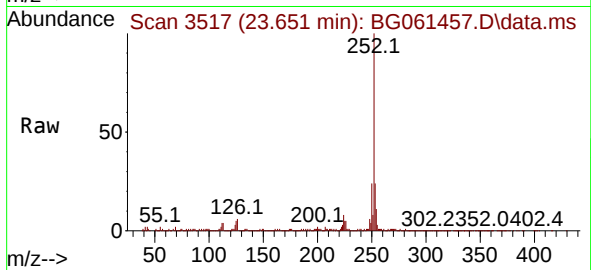
253 23.5 17.8 26.8

125 5.5 4.6 6.8

Manual Integrations

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



#91

Benzo(k)fluoranthene

Concen: 20.819 ng/ul m

RT: 23.704 min Scan# 3526

Delta R.T. 0.024 min

Lab File: BG061457.D

Acq: 4 Jun 2024 16:12

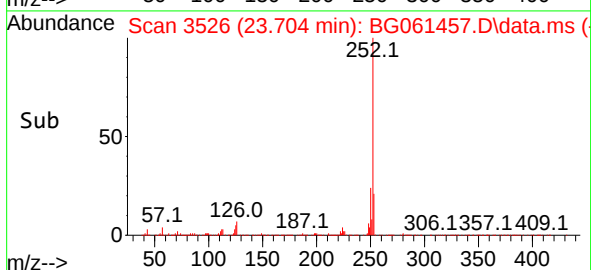
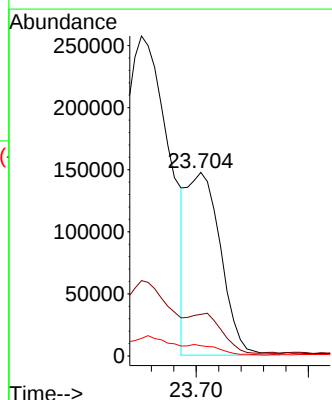
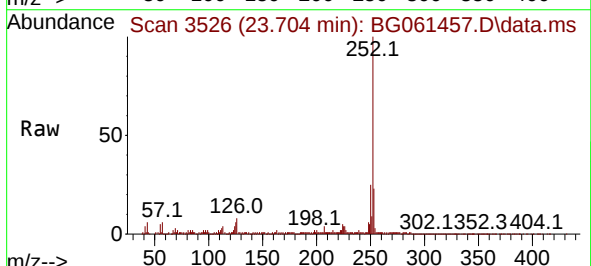
Tgt Ion:252 Resp: 308695

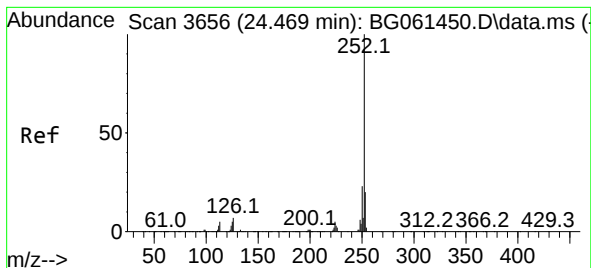
Ion Ratio Lower Upper

252 100

253 22.7 16.0 24.0

125 5.6 4.3 6.5





#93

Benzo(a)pyrene

Concen: 42.962 ng/ul

RT: 24.485 min Scan# 30

Delta R.T. 0.036 min

Lab File: BG061457.D

Acq: 4 Jun 2024 16:12

Instrument :

BNA_G

ClientSampleId :

BHBM5

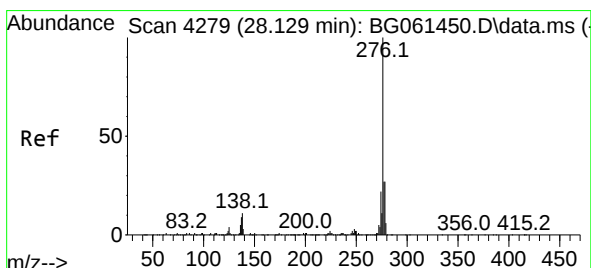
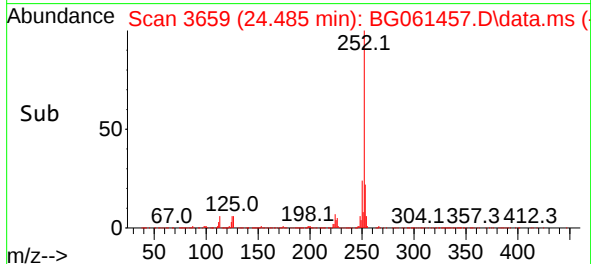
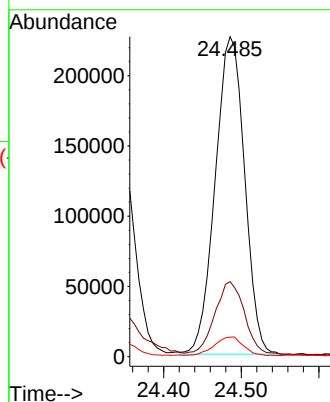
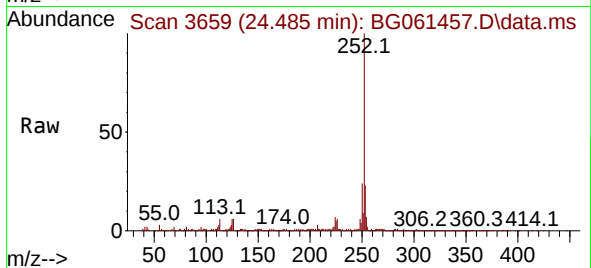
Tgt Ion:252 Resp: 59584

Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.4	24.6
125	6.1	4.3	6.5

Manual Integrations

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



#94

Indeno(1,2,3-cd)pyrene

Concen: 24.735 ng/ul

RT: 28.158 min Scan# 4284

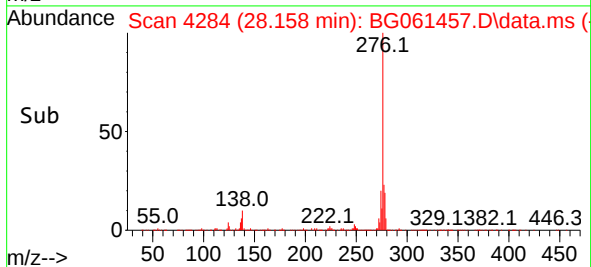
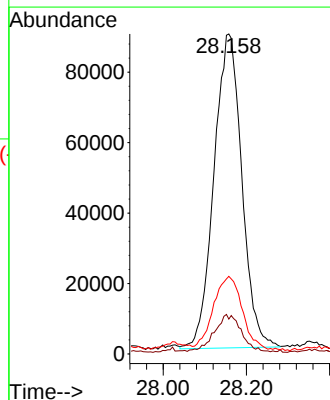
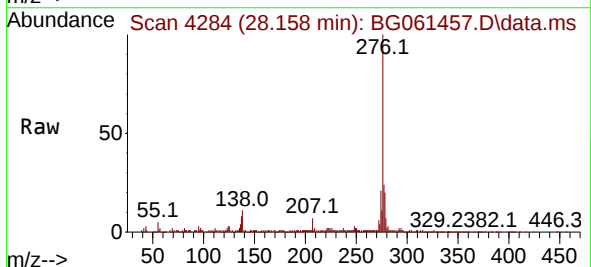
Delta R.T. 0.065 min

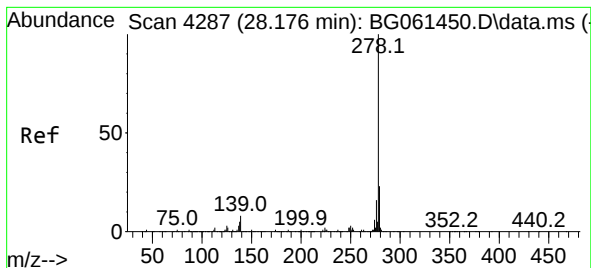
Lab File: BG061457.D

Acq: 4 Jun 2024 16:12

Tgt Ion:276 Resp: 414846

Ion	Ratio	Lower	Upper
276	100		
138	10.9	8.6	13.0
277	24.3	19.7	29.5





#95

Dibenzo(a,h)anthracene

Concen: 7.985 ng/ul

RT: 28.187 min Scan# 41

Delta R.T. 0.047 min

Lab File: BG061457.D

Acq: 4 Jun 2024 16:12

Instrument :

BNA_G

ClientSampleId :

BHBM5

Tgt Ion:278 Resp: 11043

Ion Ratio Lower Upper

278 100

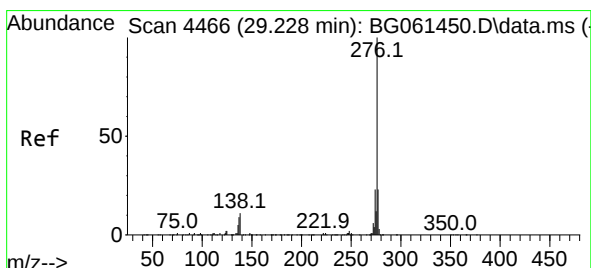
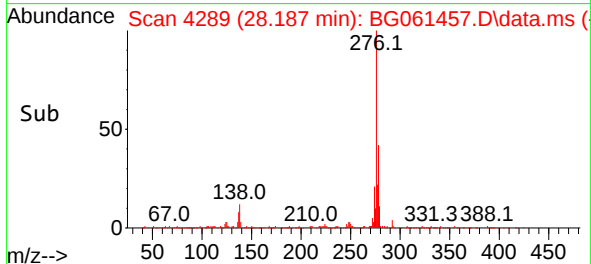
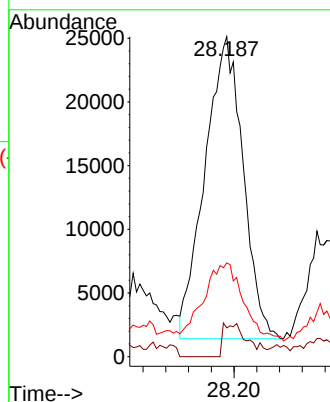
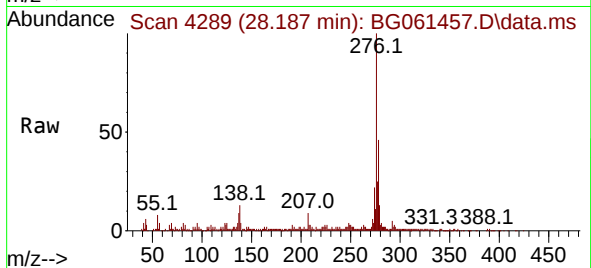
139 9.0 6.4 9.6

279 29.3 19.9 29.9

Manual Integrations

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



#96

Benzo(g,h,i)perylene

Concen: 28.256 ng/ul

RT: 29.256 min Scan# 4471

Delta R.T. 0.083 min

Lab File: BG061457.D

Acq: 4 Jun 2024 16:12

Tgt Ion:276 Resp: 377005

Ion Ratio Lower Upper

276 100

138 10.8 8.7 13.1

277 23.9 18.2 27.2

