

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061574.D
 Acq On : 8 Jun 2024 21:00
 Operator : MA/JU
 Sample : P2647-17
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBT1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024

Quant Time: Jun 10 00:36:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 06 12:15:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	27697	20.000	ng/u1	0.00
20) Naphthalene-d8	10.667	136	108599	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.510	164	81560	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.266	188	190195	20.000	ng/u1	0.00
79) Chrysene-d12	21.525	240	204141	20.000	ng/u1	0.00
88) Perylene-d12	24.633	264	216473	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	1739	3.514	ng/uL	-0.03
4) Pyridine-d5	3.740	84	15912	9.037	ng/u1	-0.03
7) Phenol-d5	7.072	99	55957	24.602	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.201	67	31644	22.135	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.412	132	46453	27.596	ng/u1	0.00
15) 4-Methylphenol-d8	8.599	113	47162	24.317	ng/u1	0.00
21) Nitrobenzene-d5	9.028	128	23548	28.163	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.757	143	27803	28.412	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.309	165	55339	29.008	ng/u1	0.00
31) 4-Chloroaniline-d4	10.814	131	15867	6.357	ng/u1	0.00
46) Dimethylphthalate-d6	13.917	166	163811	25.896	ng/u1	0.00
49) Acenaphthylene-d8	14.204	160	181021	27.526	ng/u1	0.00
54) 4-Nitrophenol-d4	14.774	143	16700m	21.354	ng/u1	0.02
60) Fluorene-d10	15.509	176	147407	26.991	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.662	200	15884	13.808	ng/u1	0.01
73) Anthracene-d10	17.365	188	234941	28.019	ng/u1	0.00
81) Pyrene-d10	19.663	212	263641	25.152	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.422	264	223044	21.432	ng/u1	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.714	128	7561	1.319	ng/u1#	85
36) 2-Methylnaphthalene	12.330	142	5050	1.215	ng/u1	91
37) 1-Methylnaphthalene	12.548	142	5264	1.234	ng/u1#	85
52) Acenaphthene	14.575	153	6508	1.360	ng/u1	97
56) Dibenzofuran	14.909	168	7280	1.064	ng/u1	93
61) Fluorene	15.562	166	9564	1.616	ng/u1#	95
72) Phenanthrene	17.307	178	215086	23.300	ng/u1	99
74) Anthracene	17.401	178	32917	3.449	ng/u1	99
77) Carbazole	17.677	167	15466	1.992	ng/u1	95
80) Fluoranthene	19.328	202	454684	36.160	ng/u1	98
82) Pyrene	19.692	202	374286	28.676	ng/u1	97
83) Butylbenzylphthalate	20.573	149	16060	3.582	ng/u1	99
85) Benzo(a)anthracene	21.508	228	249273	17.697	ng/u1	96
86) Bis(2-ethylhexyl)phtha...	21.414	149	72954	10.992	ng/u1#	98
87) Chrysene	21.572	228	279921	21.582	ng/u1	95
90) Benzo(b)fluoranthene	23.652	252	342789	26.596	ng/u1	99
91) Benzo(k)fluoranthene	23.711	252	137823m	10.534	ng/u1	
93) Benzo(a)pyrene	24.492	252	137800	11.259	ng/u1	93
94) Indeno(1,2,3-cd)pyrene	28.170	276	96862m	6.545	ng/u1	
95) Dibenzo(a,h)anthracene	28.206	278	30102m	2.467	ng/u1	

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

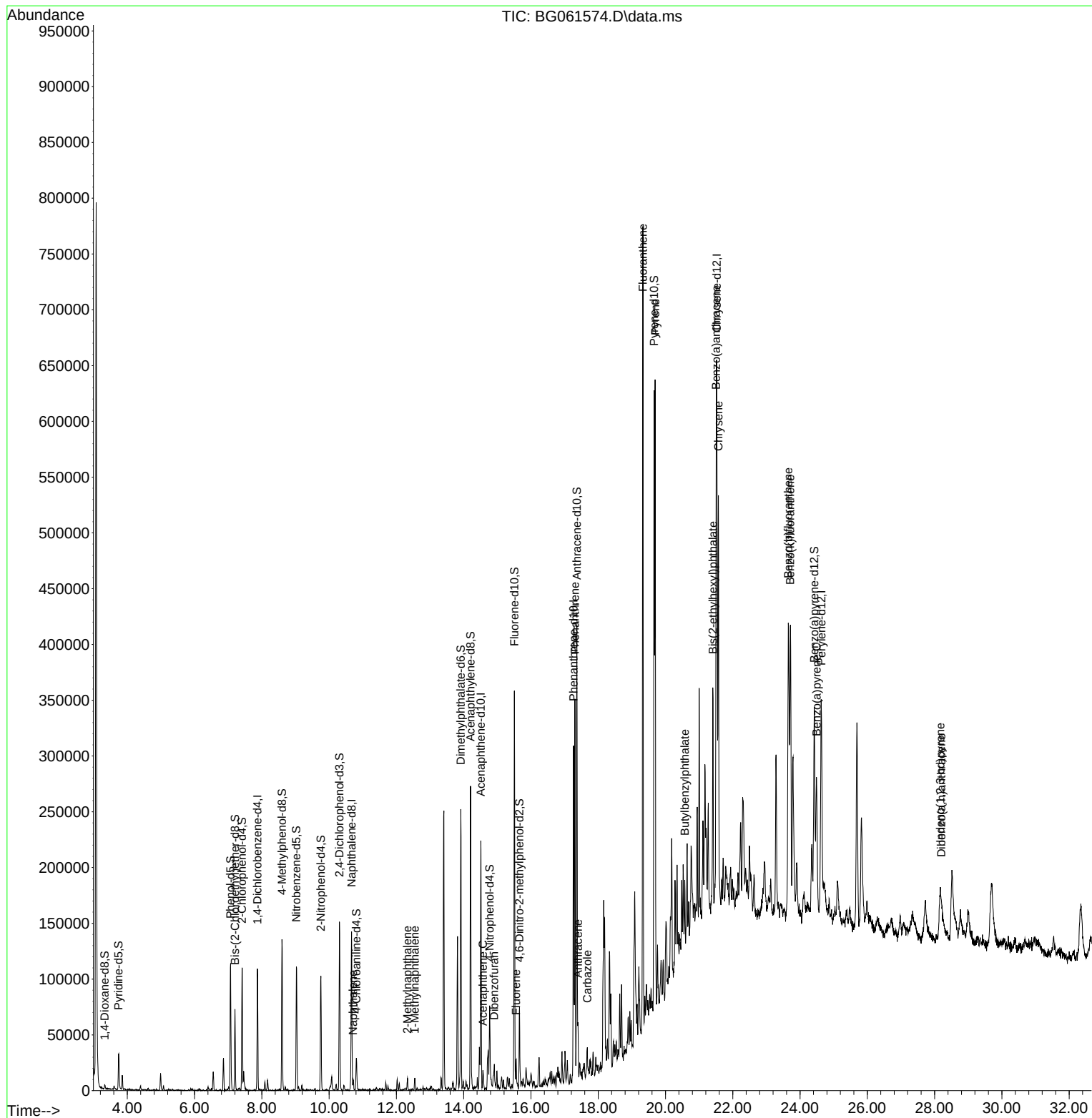
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061574.D
Acq On : 8 Jun 2024 21:00
Operator : MA/JU
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ALS Vial : 13 Sample Multiplier: 1

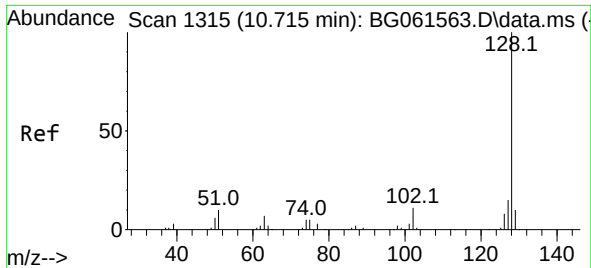
Instrument :
BNA_G
ClientSampleId :
BHBT1

Quant Time: Jun 10 00:36:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

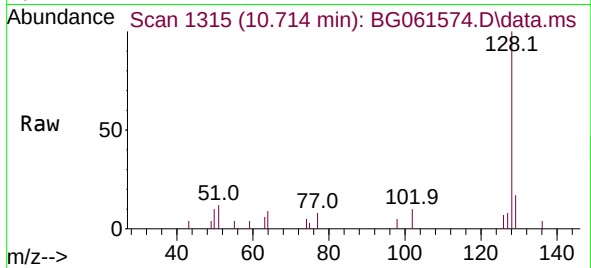
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024





#30
Naphthalene
Concen: 1.319 ng/ul
RT: 10.714 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG061574.D
Acq: 8 Jun 2024 21:00

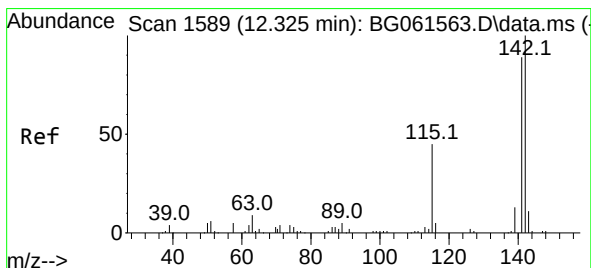
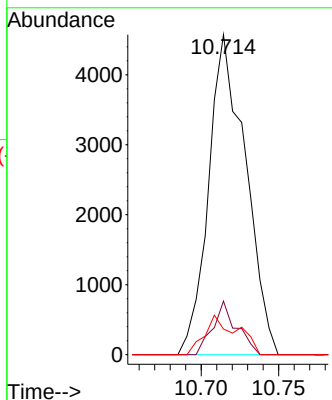
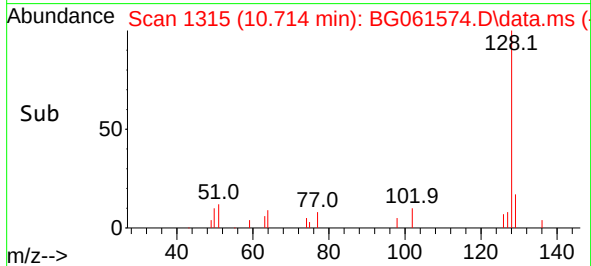
Instrument :
BNA_G
ClientSampleId :
BHBT1



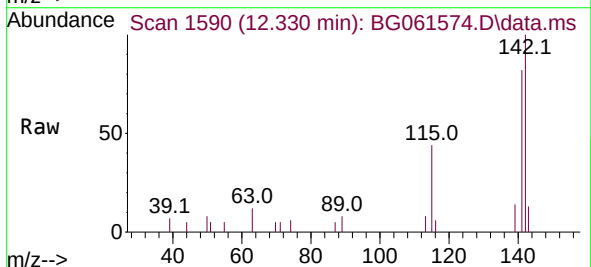
Tgt Ion:128 Resp: 756
Ion Ratio Lower Upper
128 100
129 16.8 8.6 12.8
127 8.0 10.8 16.2

Manual Integrations
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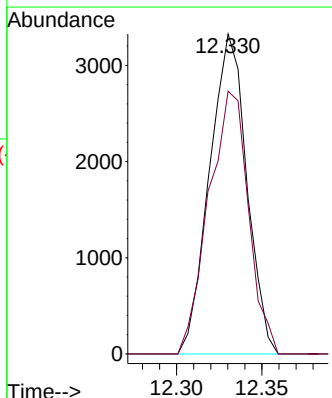
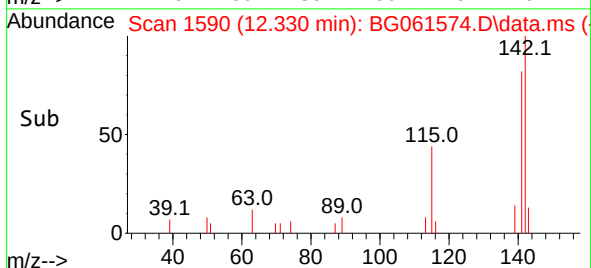
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

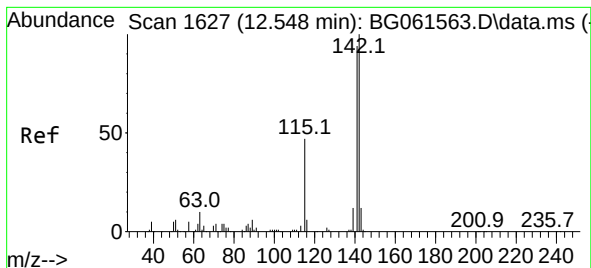


#36
2-Methylnaphthalene
Concen: 1.215 ng/ul
RT: 12.330 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BG061574.D
Acq: 8 Jun 2024 21:00



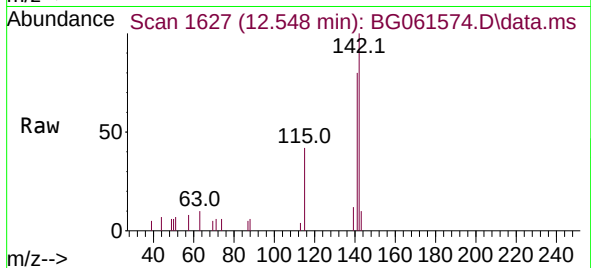
Tgt Ion:142 Resp: 5050
Ion Ratio Lower Upper
142 100
141 82.1 72.2 108.2





#37
1-Methylnaphthalene
Concen: 1.234 ng/ul
RT: 12.548 min Scan# 1627
Delta R.T. 0.000 min
Lab File: BG061574.D
Acq: 8 Jun 2024 21:00

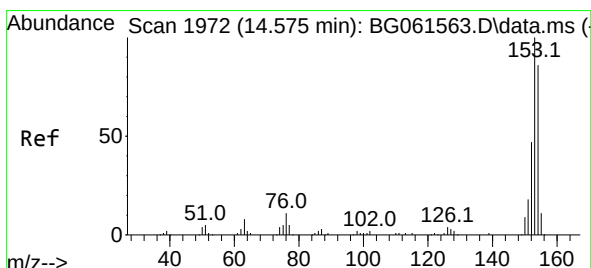
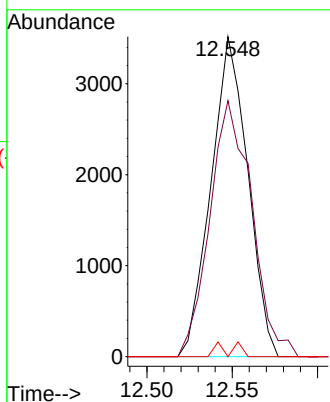
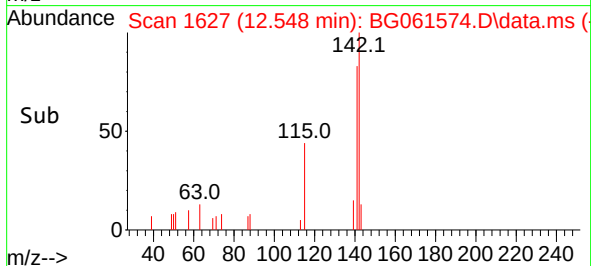
Instrument :
BNA_G
ClientSampleId :
BHBT1



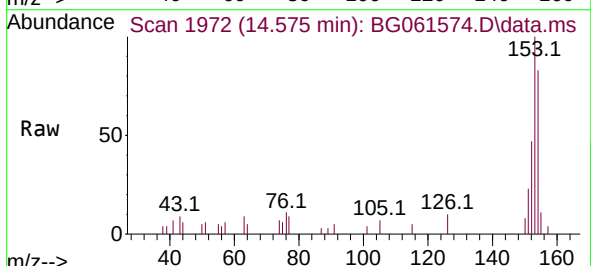
Tgt Ion:142 Resp: 5264
Ion Ratio Lower Upper
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141 80.0 75.5 113.3
116 0.0 4.0 6.0

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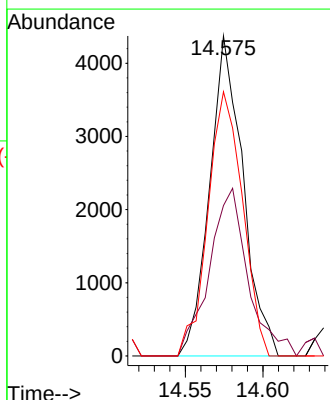
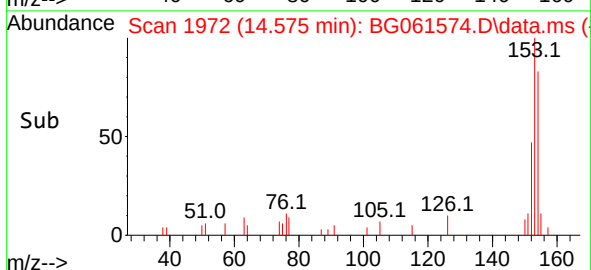
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

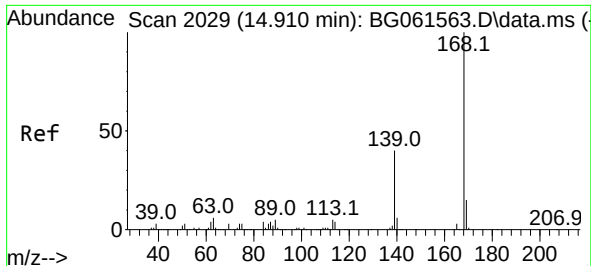


#52
Acenaphthene
Concen: 1.360 ng/ul
RT: 14.575 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BG061574.D
Acq: 8 Jun 2024 21:00



Tgt Ion:153 Resp: 6508
Ion Ratio Lower Upper
153 100
152 47.0 37.8 56.8
154 82.6 69.0 103.6





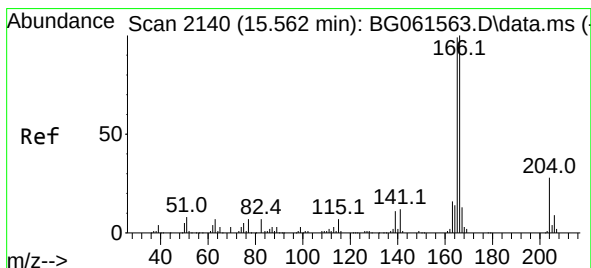
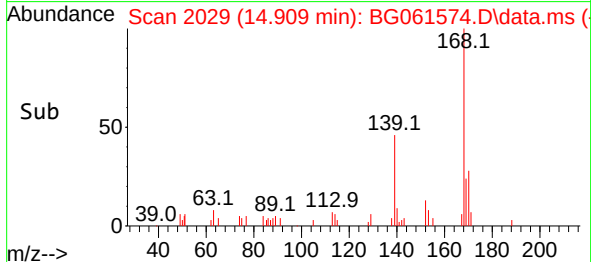
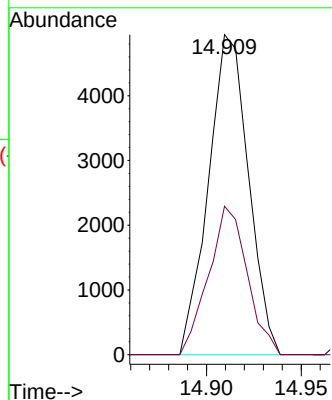
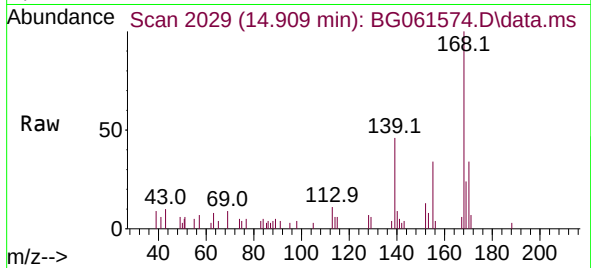
#56
Dibenzenofuran
Concen: 1.064 ng/ul
RT: 14.909 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BG061574.D
Acq: 8 Jun 2024 21:00

Instrument :
BNA_G
ClientSampleId :
BHBT1

Tgt Ion:168 Resp: 7280
Ion Ratio Lower Upper
168 100
139 46.4 33.4 50.2

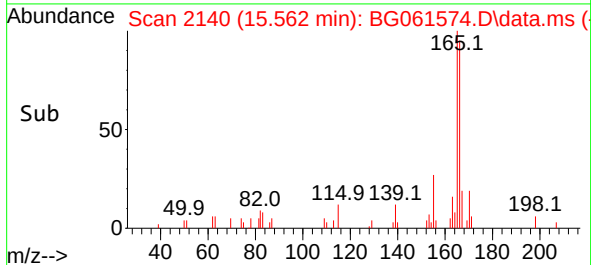
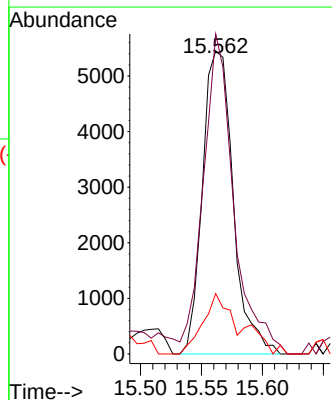
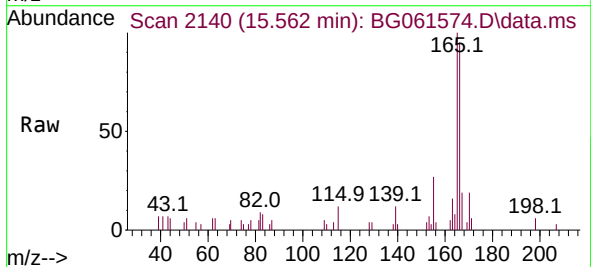
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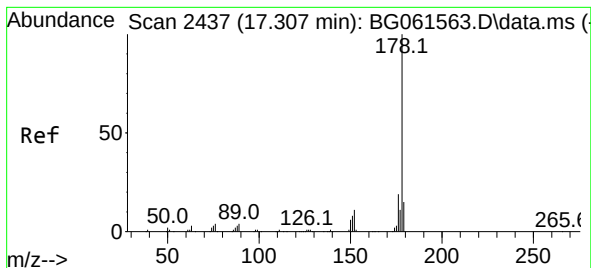
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#61
Fluorene
Concen: 1.616 ng/ul
RT: 15.562 min Scan# 2140
Delta R.T. 0.000 min
Lab File: BG061574.D
Acq: 8 Jun 2024 21:00

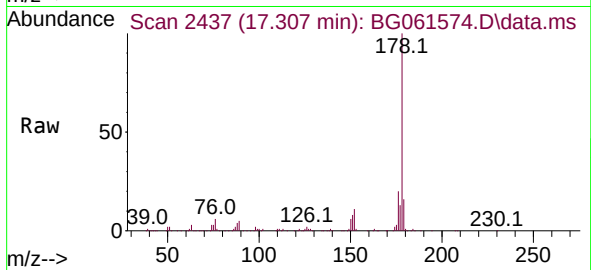
Tgt Ion:166 Resp: 9564
Ion Ratio Lower Upper
166 100
165 105.6 81.8 122.8
167 19.9 10.6 16.0#





#72
Phenanthrene
Concen: 23.300 ng/u1
RT: 17.307 min Scan# 2437
Delta R.T. 0.000 min
Lab File: BG061574.D
Acq: 8 Jun 2024 21:00

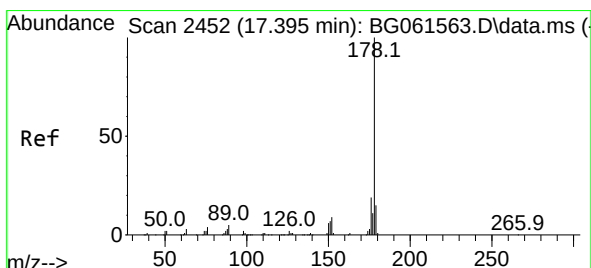
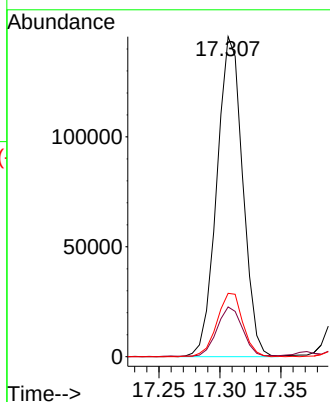
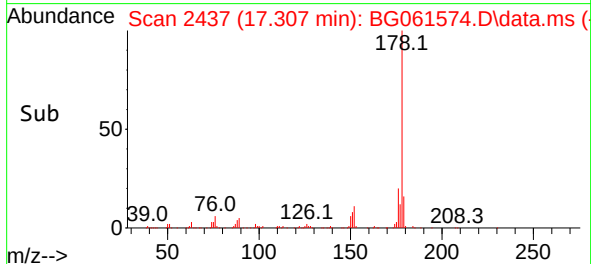
Instrument :
BNA_G
ClientSampleId :
BHBT1



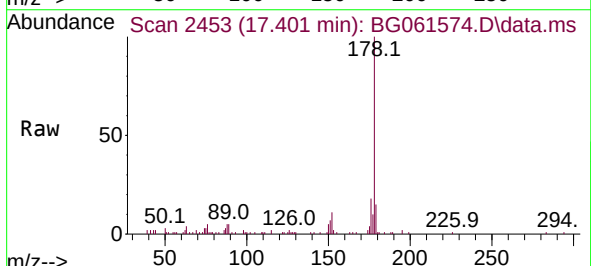
Tgt Ion:178 Resp: 215086
Ion Ratio Lower Upper
178 100
179 15.5 12.7 19.1
176 19.8 15.5 23.3

Manual Integrations
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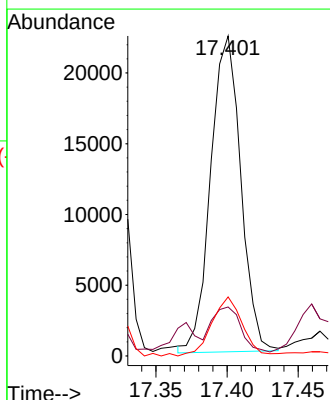
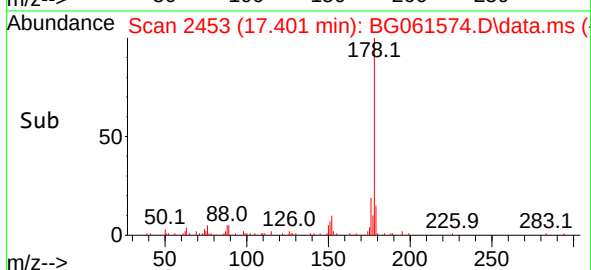
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

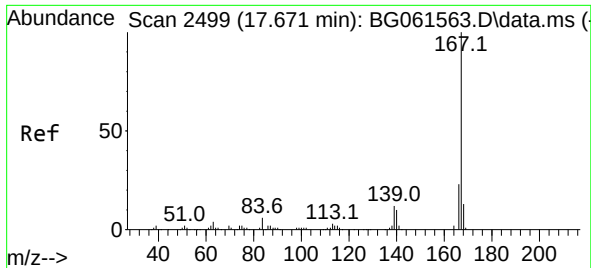


#74
Anthracene
Concen: 3.449 ng/u1
RT: 17.401 min Scan# 2453
Delta R.T. 0.006 min
Lab File: BG061574.D
Acq: 8 Jun 2024 21:00



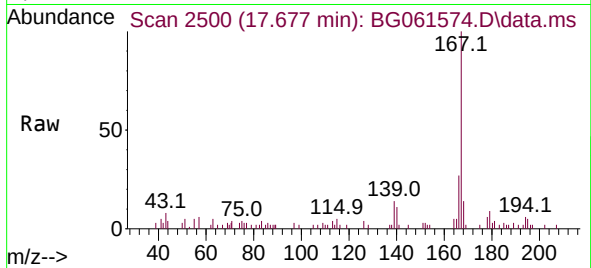
Tgt Ion:178 Resp: 32917
Ion Ratio Lower Upper
178 100
179 15.3 11.8 17.6
176 18.4 14.9 22.3





#77
 Carbazole
 Concen: 1.992 ng/ul
 RT: 17.677 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BG061574.D
 Acq: 8 Jun 2024 21:00

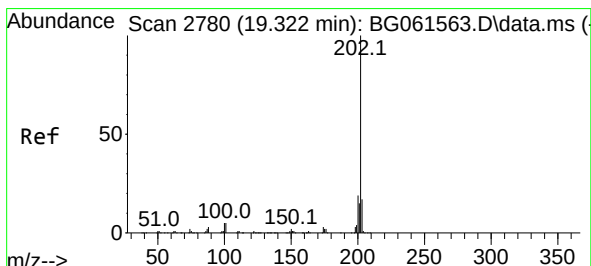
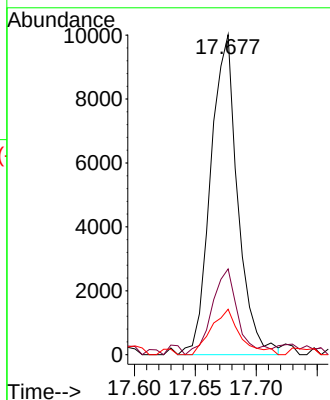
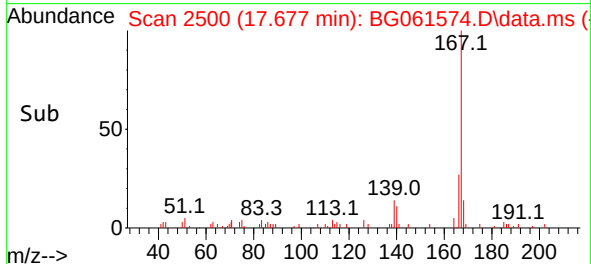
Instrument :
 BNA_G
 ClientSampleId :
 BHBT1



Tgt Ion:167 Resp: 15460
 Ion Ratio Lower Upper
 167 100
 166 26.8 18.6 28.0
 139 14.2 10.6 15.8

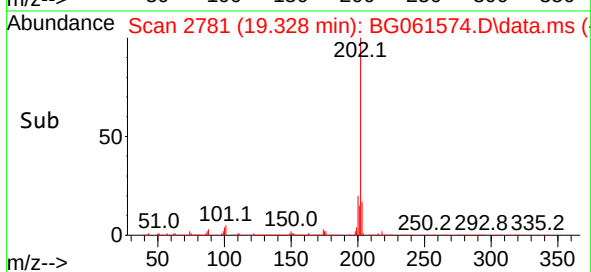
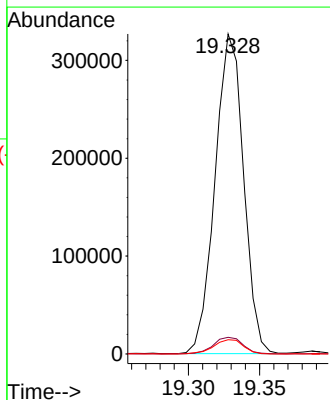
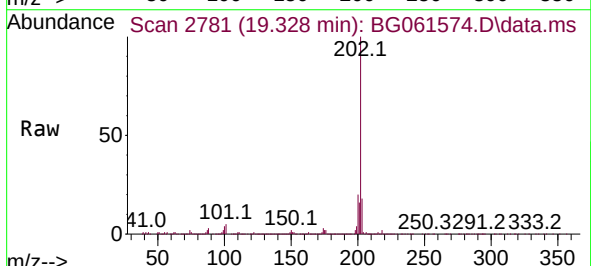
Manual Integrations
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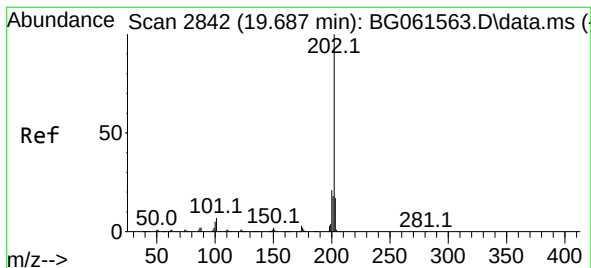
Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024



#80
 Fluoranthene
 Concen: 36.160 ng/ul
 RT: 19.328 min Scan# 2781
 Delta R.T. 0.006 min
 Lab File: BG061574.D
 Acq: 8 Jun 2024 21:00

Tgt Ion:202 Resp: 454684
 Ion Ratio Lower Upper
 202 100
 101 5.2 4.8 7.2
 100 4.4 4.1 6.1





#82

Pyrene

Concen: 28.676 ng/ul

RT: 19.692 min Scan# 2843

Delta R.T. 0.006 min

Lab File: BG061574.D

Acq: 8 Jun 2024 21:00

Instrument :

BNA_G

ClientSampleId :

BHBT1

Tgt Ion:202 Resp: 374280

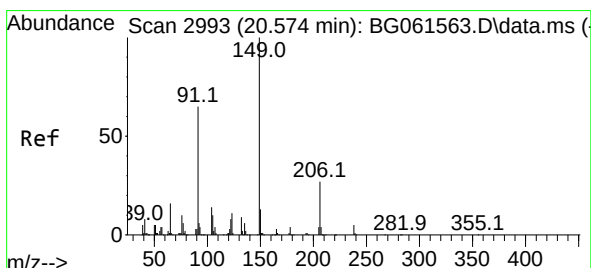
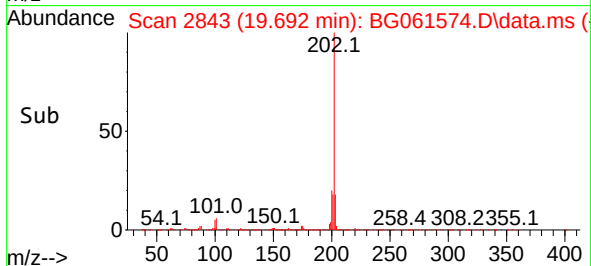
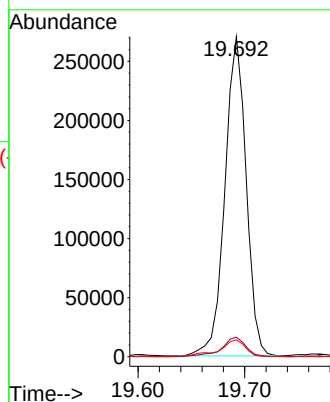
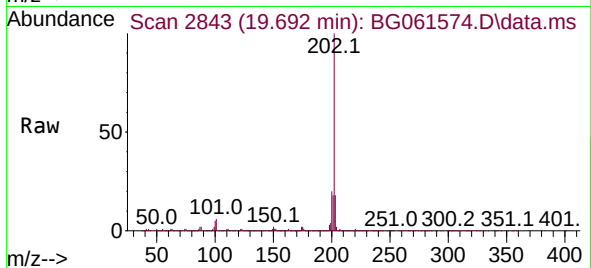
Ion	Ratio	Lower	Upper
202	100		
101	6.1	5.7	8.5
100	5.3	5.1	7.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#83

Butylbenzylphthalate

Concen: 3.582 ng/ul

RT: 20.573 min Scan# 2993

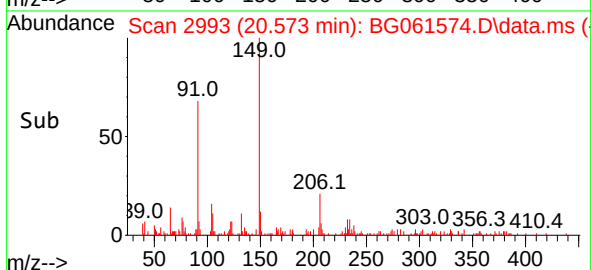
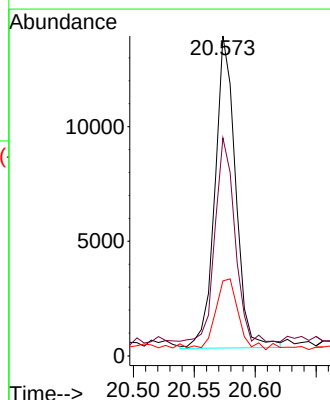
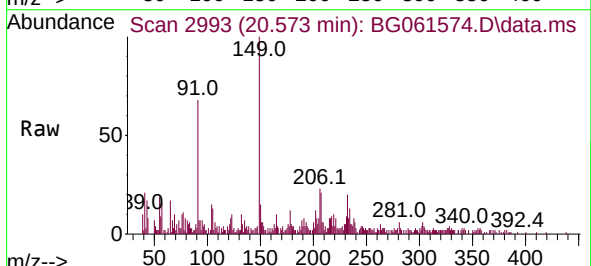
Delta R.T. 0.000 min

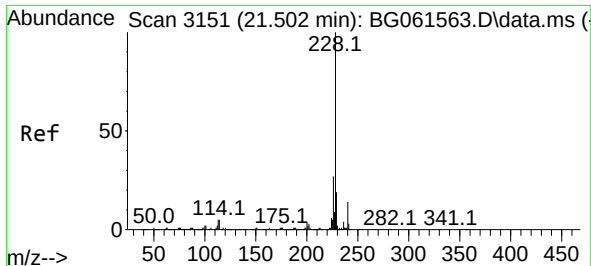
Lab File: BG061574.D

Acq: 8 Jun 2024 21:00

Tgt Ion:149 Resp: 16060

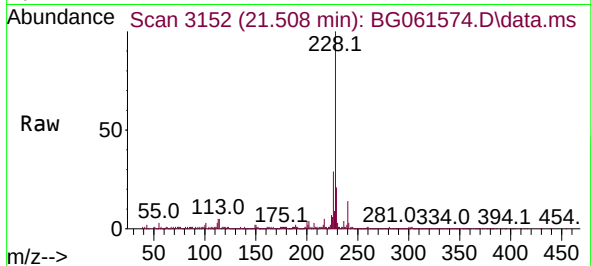
Ion	Ratio	Lower	Upper
149	100		
91	68.2	54.8	82.2
206	23.5	19.4	29.0





#85
Benzo(a)anthracene
Concen: 17.697 ng/ul
RT: 21.508 min Scan# 3151
Delta R.T. 0.006 min
Lab File: BG061574.D
Acq: 8 Jun 2024 21:00

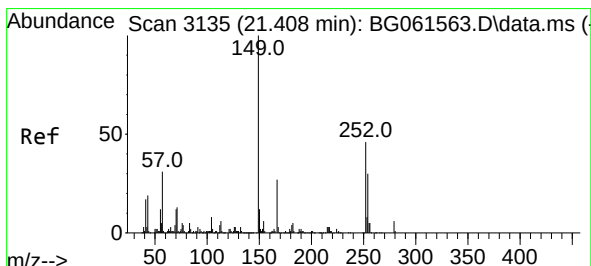
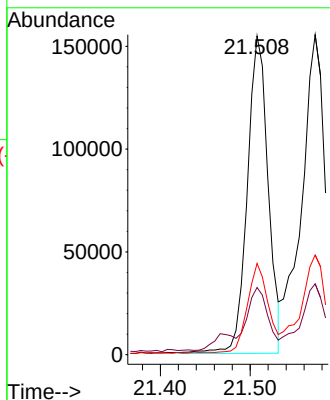
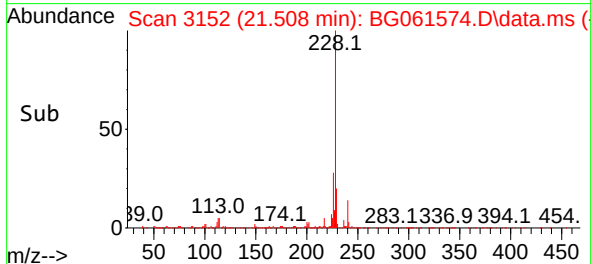
Instrument :
BNA_G
ClientSampleId :
BHBT1



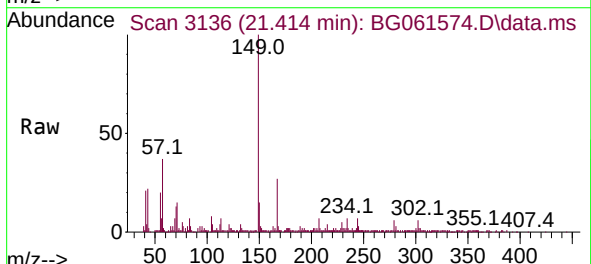
Tgt Ion:228 Resp: 24927
Ion Ratio Lower Upper
228 100
229 21.1 15.2 22.8
226 28.6 21.4 32.2

Manual Integrations
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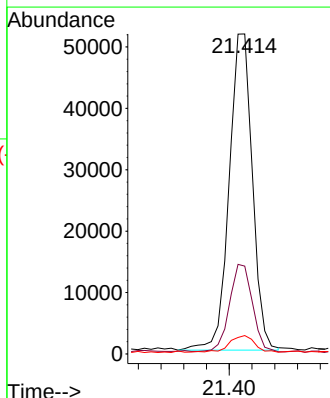
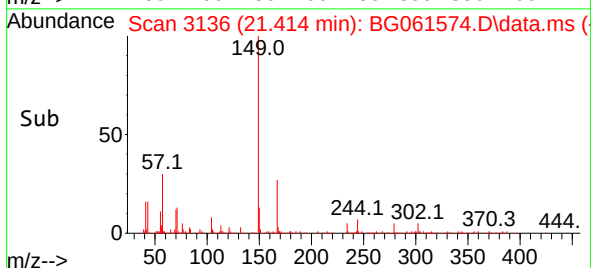
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

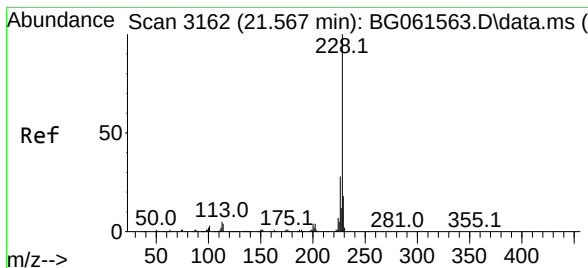


#86
Bis(2-ethylhexyl)phthalate
Concen: 10.992 ng/ul
RT: 21.414 min Scan# 3136
Delta R.T. 0.006 min
Lab File: BG061574.D
Acq: 8 Jun 2024 21:00



Tgt Ion:149 Resp: 72954
Ion Ratio Lower Upper
149 100
167 27.5 21.1 31.7
279 5.8 3.3 4.9#





#87

Chrysene

Concen: 21.582 ng/ul

RT: 21.572 min Scan# 3163

Delta R.T. 0.006 min

Lab File: BG061574.D

Acq: 8 Jun 2024 21:00

Instrument :

BNA_G

ClientSampleId :

BHBT1

Tgt Ion:228 Resp: 27992

Ion Ratio Lower Upper

228 100

226 31.1 23.4 35.0

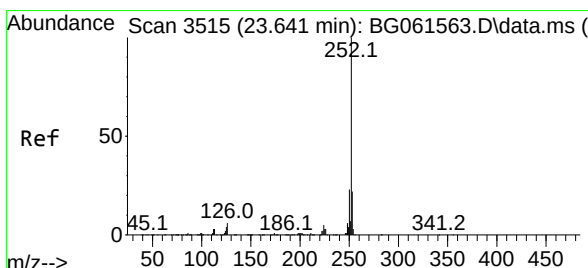
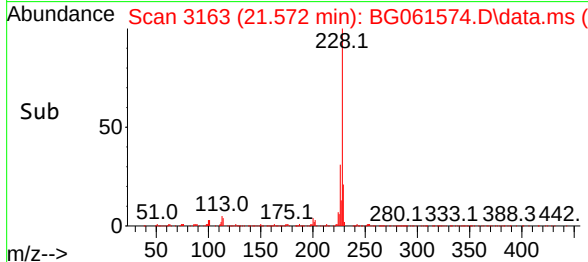
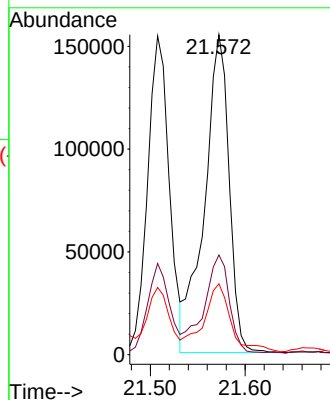
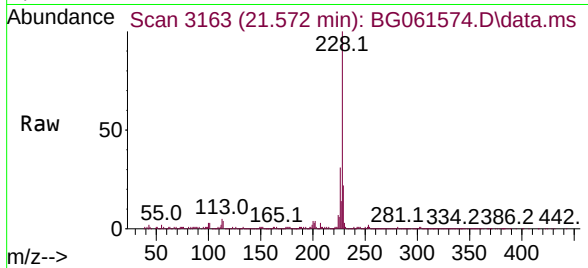
229 22.2 15.4 23.2

Manual Integrations

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Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#90

Benzo(b)fluoranthene

Concen: 26.596 ng/ul

RT: 23.652 min Scan# 3517

Delta R.T. 0.018 min

Lab File: BG061574.D

Acq: 8 Jun 2024 21:00

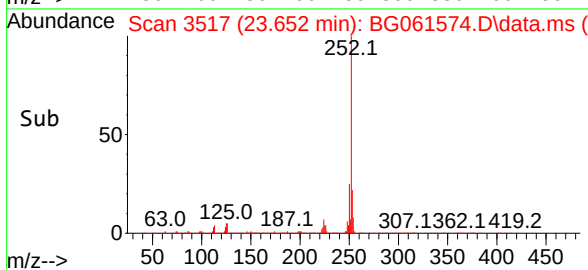
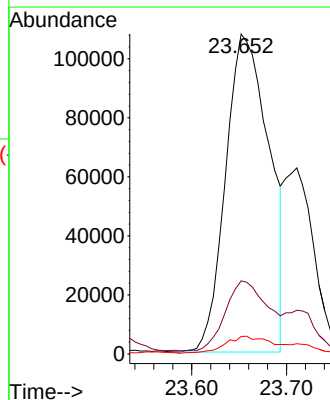
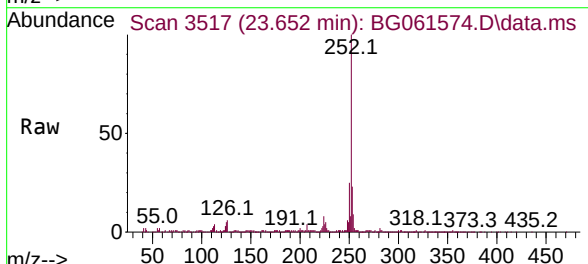
Tgt Ion:252 Resp: 342789

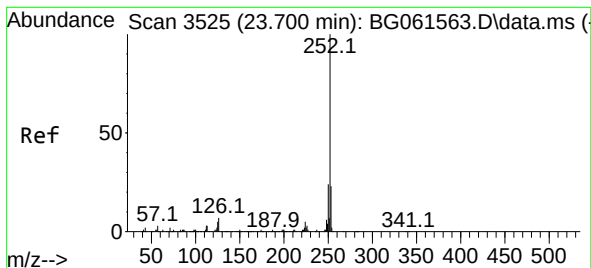
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 5.5 4.6 6.8





#91

Benzo(k)fluoranthene

Concen: 10.534 ng/ul m

RT: 23.711 min Scan# 3

Delta R.T. 0.012 min

Lab File: BG061574.D

Acq: 8 Jun 2024 21:00

Instrument :

BNA_G

ClientSampleId :

BHBT1

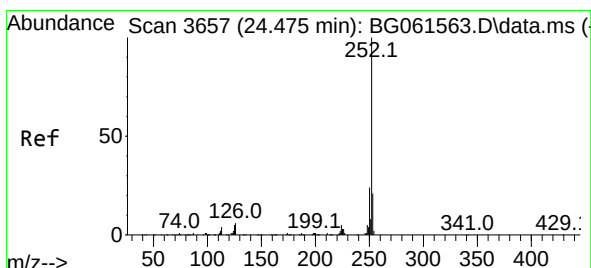
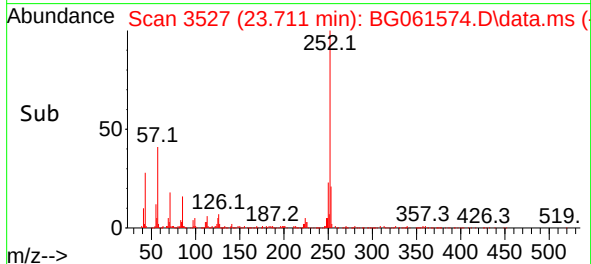
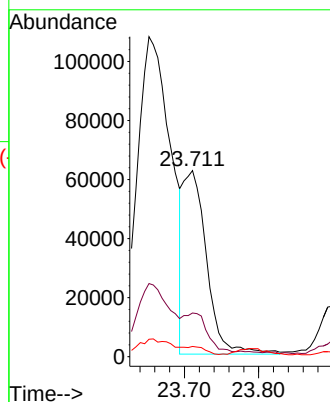
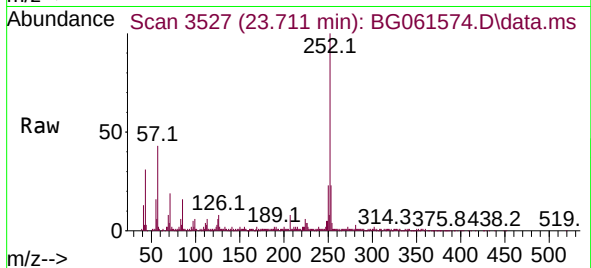
Tgt Ion:	252	Resp:	13782
Ion Ratio	Lower	Upper	
252	100		
253	23.5	16.0	24.0
125	5.5	4.3	6.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#93

Benzo(a)pyrene

Concen: 11.259 ng/ul

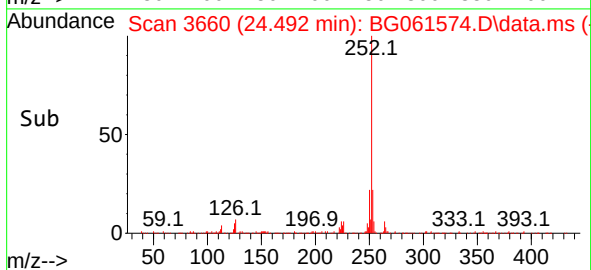
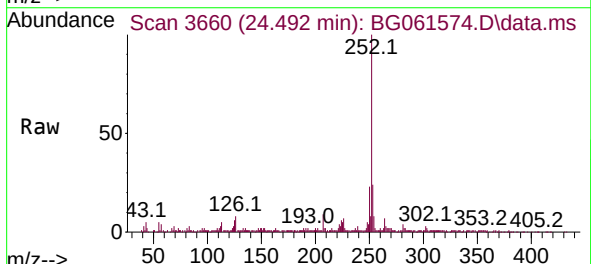
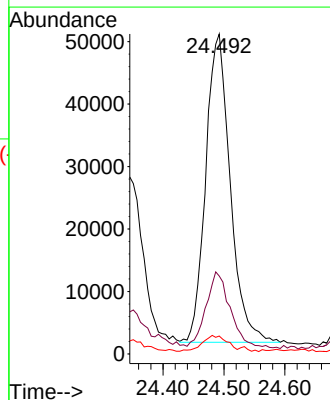
RT: 24.492 min Scan# 3660

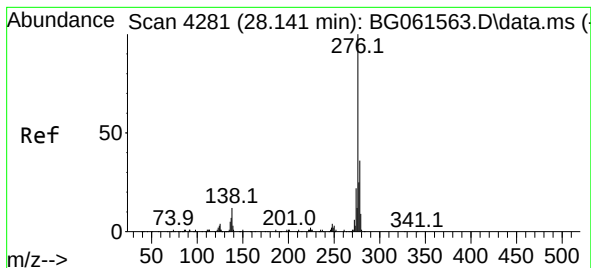
Delta R.T. 0.024 min

Lab File: BG061574.D

Acq: 8 Jun 2024 21:00

Tgt Ion:	252	Resp:	137800
Ion Ratio	Lower	Upper	
252	100		
253	24.4	16.4	24.6
125	5.6	4.3	6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 6.545 ng/ul m

RT: 28.170 min Scan# 4286

Delta R.T. 0.036 min

Lab File: BG061574.D

Acq: 8 Jun 2024 21:00

Instrument :

BNA_G

ClientSampleId :

BHBT1

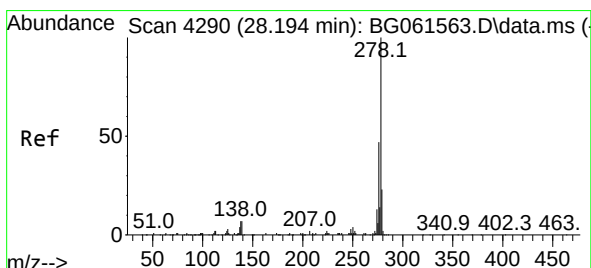
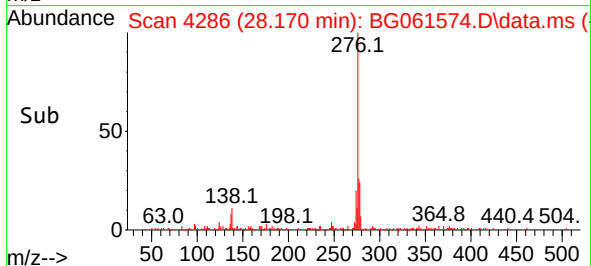
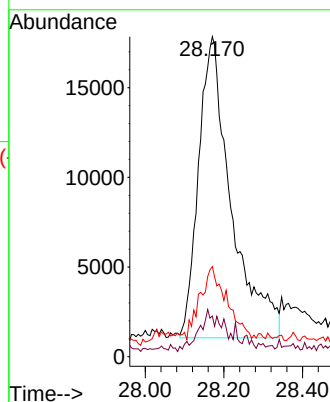
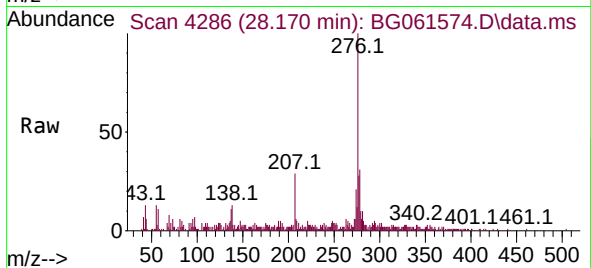
Tgt Ion:	276	Resp:	9686
Ion Ratio	Lower	Upper	
276	100		
138	12.7	8.6	13.0
277	28.2	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#95

Dibenzo(a,h)anthracene

Concen: 2.467 ng/ul m

RT: 28.206 min Scan# 4292

Delta R.T. 0.036 min

Lab File: BG061574.D

Acq: 8 Jun 2024 21:00

Tgt Ion:	278	Resp:	30102
Ion Ratio	Lower	Upper	
278	100		
139	11.3	6.4	9.6#
279	30.1	19.9	29.9#

