

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061569.D
 Acq On : 8 Jun 2024 17:35
 Operator : MA/JU
 Sample : P2647-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBS3

Manual Integrations
 APPROVED

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

Quant Time: Jun 10 00:06:57 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	26730	20.000	ng/u1	0.00
20) Naphthalene-d8	10.668	136	100087	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.510	164	73239	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.266	188	171971	20.000	ng/u1	0.00
79) Chrysene-d12	21.526	240	187549	20.000	ng/u1	# 0.00
88) Perylene-d12	24.634	264	207079	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.335	96	1740	3.643	ng/uL	-0.02
4) Pyridine-d5	3.746	84	13426	7.901	ng/u1	-0.02
7) Phenol-d5	7.072	99	38917	17.729	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.201	67	25290	18.330	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.413	132	36272	22.328	ng/u1	0.00
15) 4-Methylphenol-d8	8.600	113	27798	14.852	ng/u1	0.00
21) Nitrobenzene-d5	9.034	128	17949	23.292	ng/u1	0.00
24) 2-Nitrophenol-d4	9.757	143	20934	23.212	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.309	165	40226	22.879	ng/u1	0.00
31) 4-Chloroaniline-d4	10.809	131	14427	6.272	ng/u1	0.00
46) Dimethylphthalate-d6	13.917	166	126423	22.257	ng/u1	0.00
49) Acenaphthylene-d8	14.205	160	138284	23.416	ng/u1	0.00
54) 4-Nitrophenol-d4	14.775	143	10819m	15.406	ng/u1	0.02
60) Fluorene-d10	15.509	176	111082	22.651	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.656	200	11366	10.928	ng/u1	0.00
73) Anthracene-d10	17.366	188	188530	24.867	ng/u1	0.00
81) Pyrene-d10	19.663	212	204218	21.207	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.416	264	166491	16.724	ng/u1	0.02
Target Compounds					Qvalue	
30) Naphthalene	10.721	128	12181	2.306	ng/u1#	94
36) 2-Methylnaphthalene	12.330	142	6162	1.608	ng/u1	91
37) 1-Methylnaphthalene	12.548	142	5772	1.468	ng/u1#	91
52) Acenaphthene	14.575	153	7619	1.774	ng/u1	90
56) Dibenzofuran	14.910	168	9494	1.546	ng/u1	97
61) Fluorene	15.562	166	9822	1.848	ng/u1#	96
72) Phenanthrene	17.307	178	232760	27.886	ng/u1	99
74) Anthracene	17.395	178	32364	3.750	ng/u1	97
77) Carbazole	17.671	167	19033	2.711	ng/u1	98
80) Fluoranthene	19.328	202	475384	41.151	ng/u1	97
82) Pyrene	19.692	202	368500	30.731	ng/u1	97
83) Butylbenzylphthalate	20.574	149	4245	1.031	ng/u1	92
85) Benzo(a)anthracene	21.508	228	261992	20.245	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.408	149	41324	6.777	ng/u1#	96
87) Chrysene	21.573	228	272978	22.909	ng/u1	96
90) Benzo(b)fluoranthene	23.653	252	350496	28.428	ng/u1	99
91) Benzo(k)fluoranthene	23.705	252	123482m	9.866	ng/u1	
93) Benzo(a)pyrene	24.487	252	135041	11.534	ng/u1	94
94) Indeno(1,2,3-cd)pyrene	28.159	276	98191m	6.935	ng/u1	
95) Dibenzo(a,h)anthracene	28.200	278	36053m	3.088	ng/u1	

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

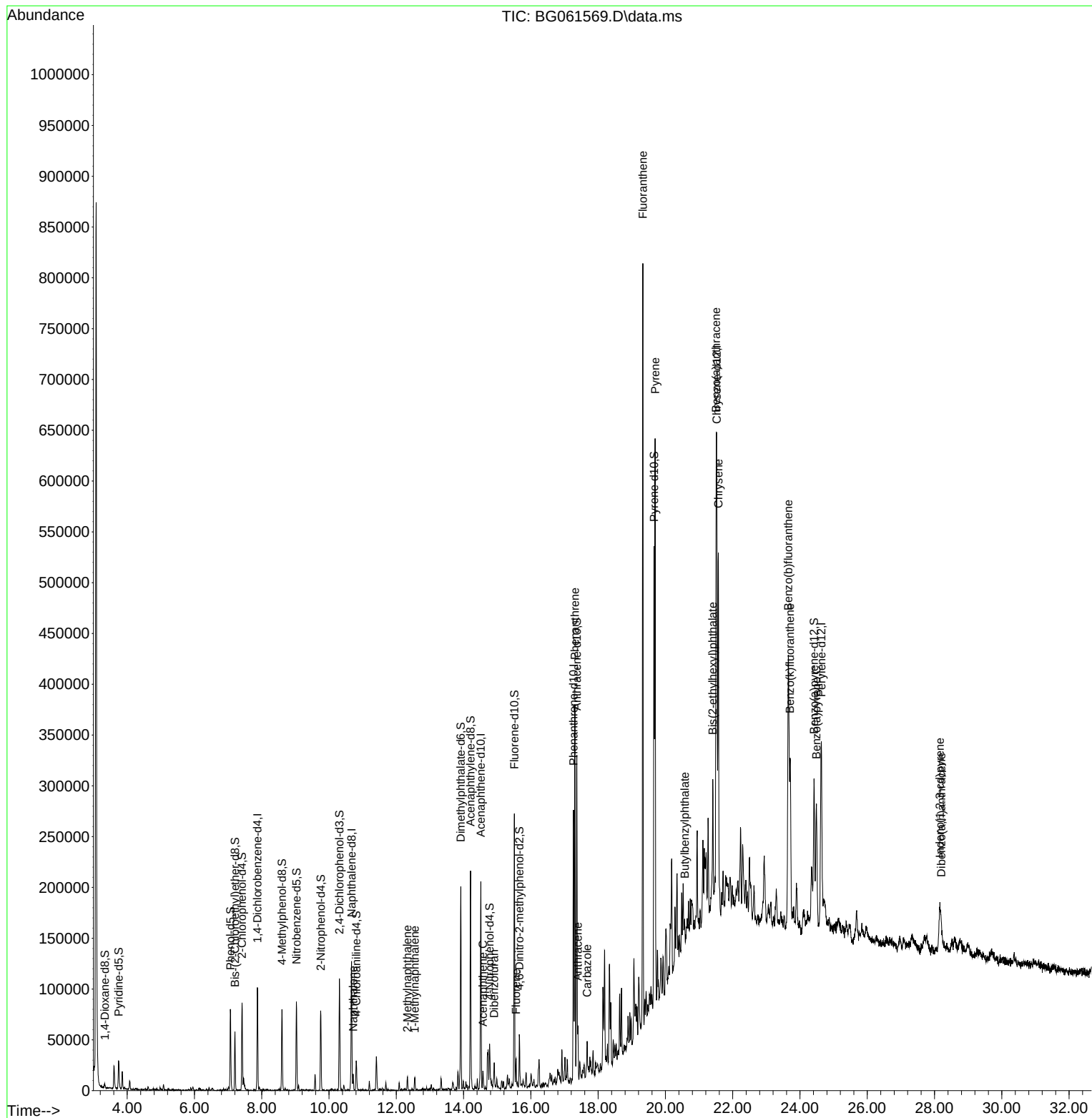
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061569.D
Acq On : 8 Jun 2024 17:35
Operator : MA/JU
Sample : P2647-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

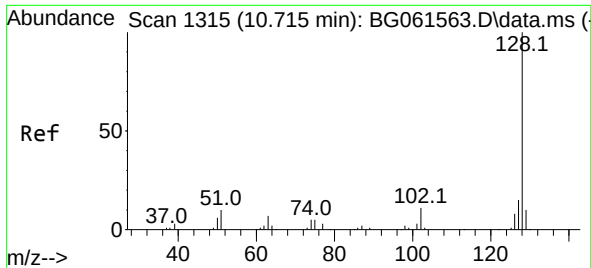
Instrument :
BNA_G
ClientSampleId :
BHBS3

Quant Time: Jun 10 00:06:57 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

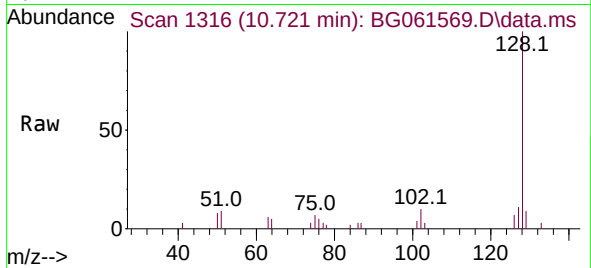
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024





#30
Naphthalene
Concen: 2.306 ng/ul
RT: 10.721 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG061569.D
Acq: 8 Jun 2024 17:35

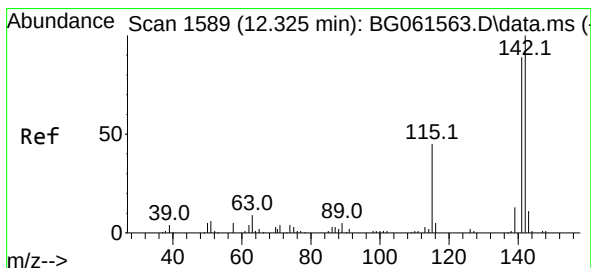
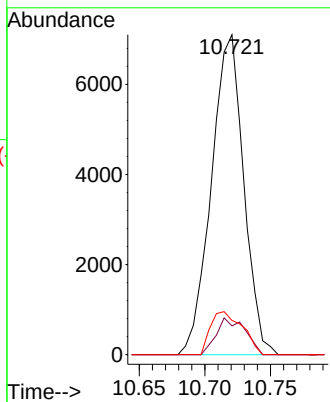
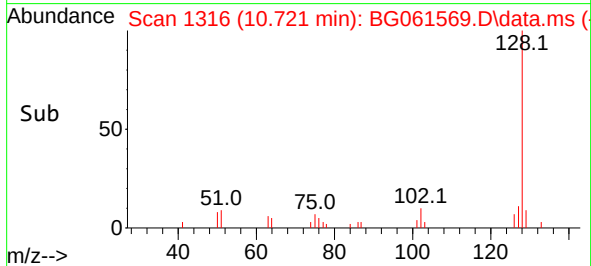
Instrument :
BNA_G
ClientSampleId :
BHBS3



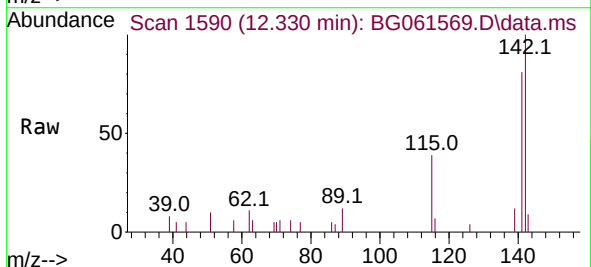
Tgt Ion:128 Resp: 1218
Ion Ratio Lower Upper
128 100
129 9.0 8.6 12.8
127 10.7 10.8 16.2

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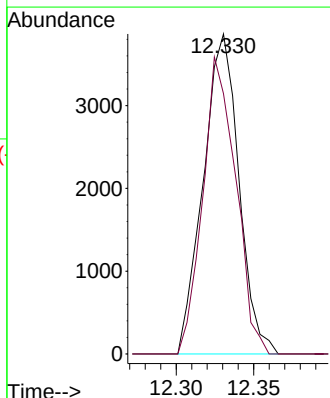
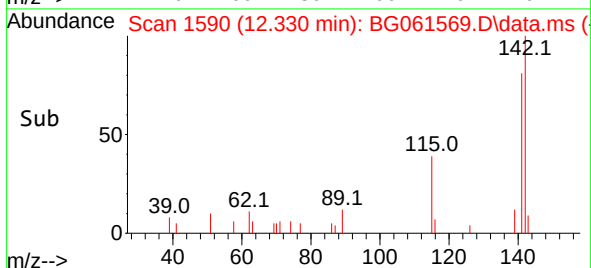
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

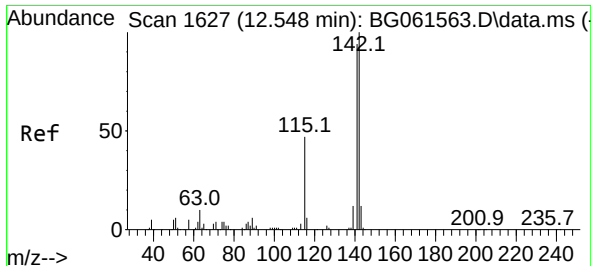


#36
2-Methylnaphthalene
Concen: 1.608 ng/ul
RT: 12.330 min Scan# 1590
Delta R.T. 0.001 min
Lab File: BG061569.D
Acq: 8 Jun 2024 17:35



Tgt Ion:142 Resp: 6162
Ion Ratio Lower Upper
142 100
141 81.3 72.2 108.2





#37

1-Methylnaphthalene

Concen: 1.468 ng/ul

RT: 12.548 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG061569.D

Acq: 8 Jun 2024 17:35

Instrument :

BNA_G

ClientSampleId :

BHBS3

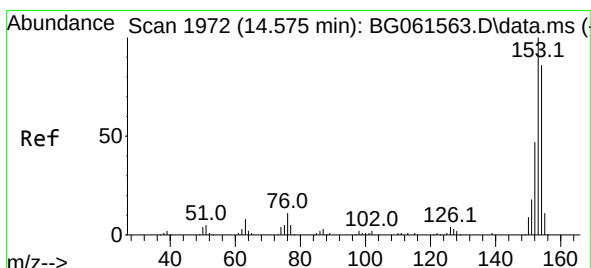
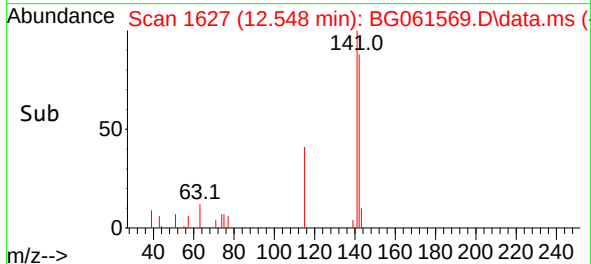
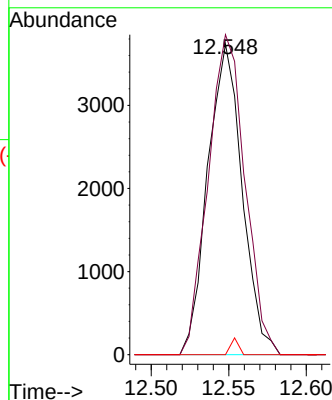
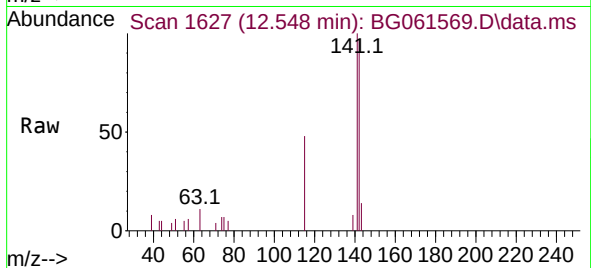
Tgt Ion:	142	Resp:	577
Ion Ratio	Lower	Upper	
142	100		
141	103.1	75.5	113.3
116	0.0	4.0	6.0

Manual Integrations

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Supervised By :mohammad ahmed 06/10/2024



#52

Acenaphthene

Concen: 1.774 ng/ul

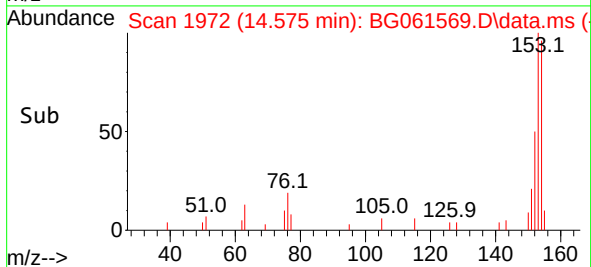
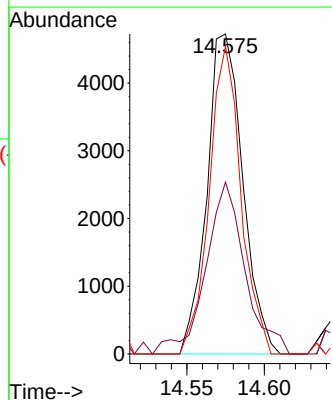
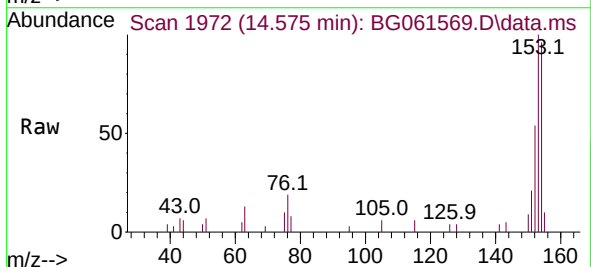
RT: 14.575 min Scan# 1972

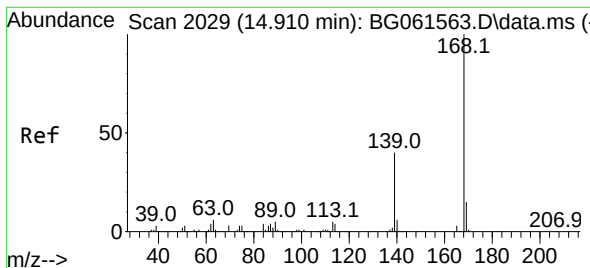
Delta R.T. 0.001 min

Lab File: BG061569.D

Acq: 8 Jun 2024 17:35

Tgt Ion:	153	Resp:	7619
Ion Ratio	Lower	Upper	
153	100		
152	53.7	37.8	56.8
154	96.1	69.0	103.6





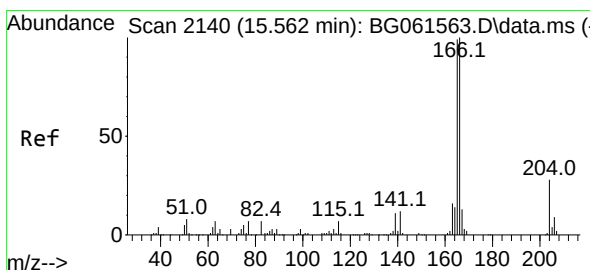
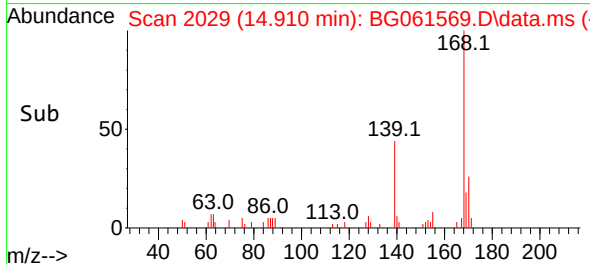
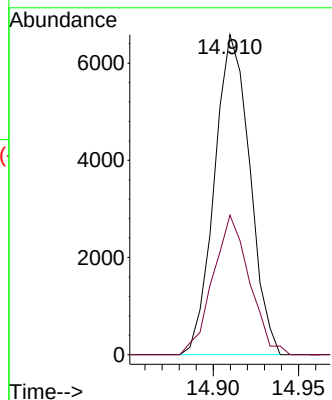
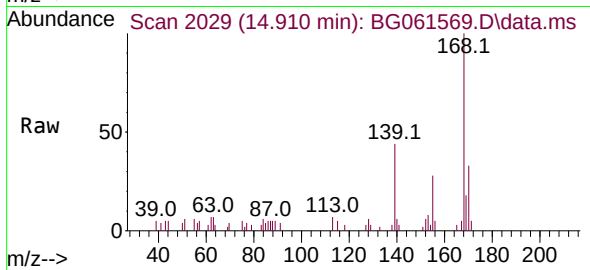
#56
Dibenzenofuran
Concen: 1.546 ng/ul
RT: 14.910 min Scan# 2029
Delta R.T. 0.001 min
Lab File: BG061569.D
Acq: 8 Jun 2024 17:35

Instrument :
BNA_G
ClientSampleId :
BHBS3

Tgt Ion:168 Resp: 9494
Ion Ratio Lower Upper
168 100
139 43.6 33.4 50.2

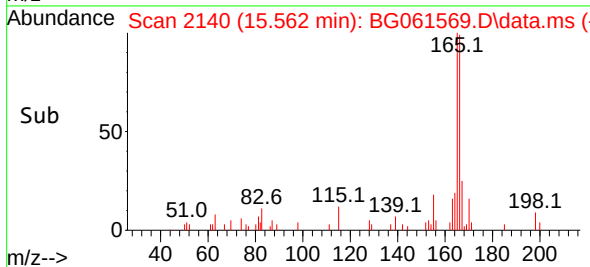
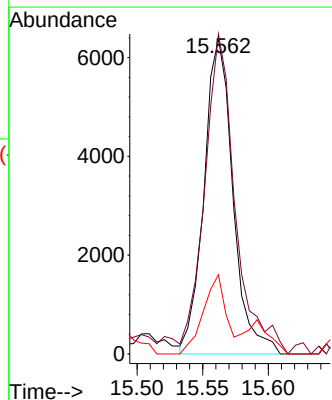
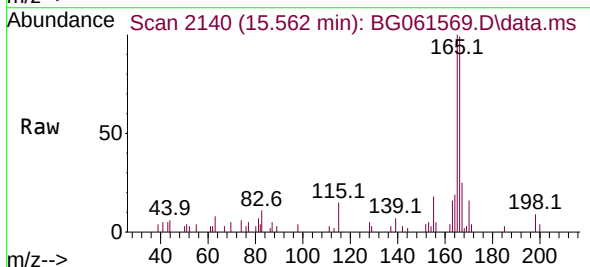
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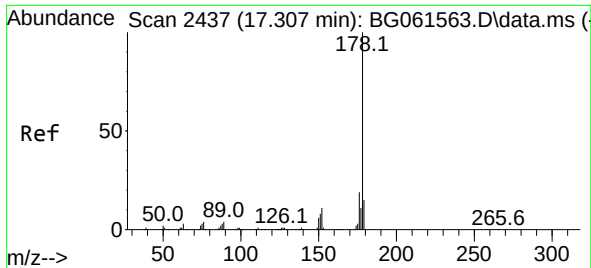
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#61
Fluorene
Concen: 1.848 ng/ul
RT: 15.562 min Scan# 2140
Delta R.T. 0.001 min
Lab File: BG061569.D
Acq: 8 Jun 2024 17:35

Tgt Ion:166 Resp: 9822
Ion Ratio Lower Upper
166 100
165 101.4 81.8 122.8
167 25.1 10.6 16.0#





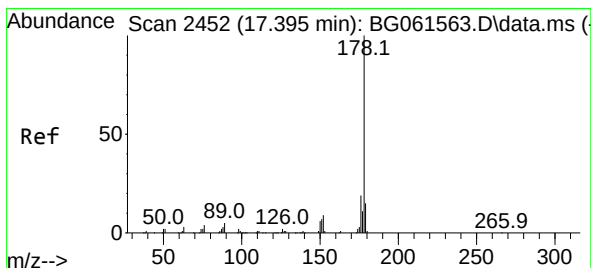
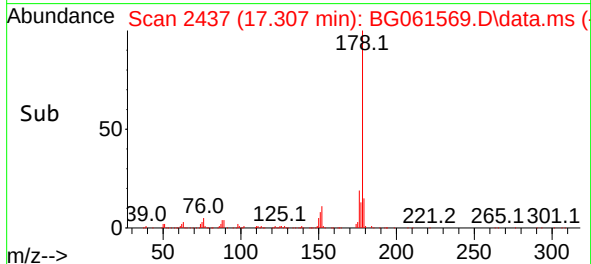
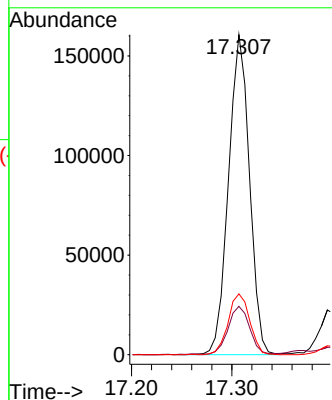
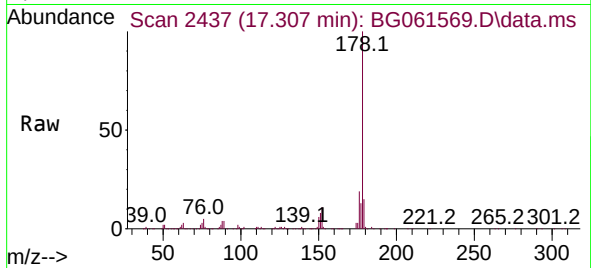
#72
Phenanthrene
Concen: 27.886 ng/u1
RT: 17.307 min Scan# 2437
Delta R.T. 0.001 min
Lab File: BG061569.D
Acq: 8 Jun 2024 17:35

Instrument :
BNA_G
ClientSampleId :
BHBS3

Tgt Ion:178 Resp: 232760
Ion Ratio Lower Upper
178 100
179 15.1 12.7 19.1
176 19.0 15.5 23.3

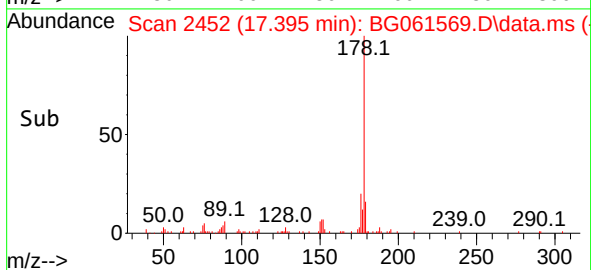
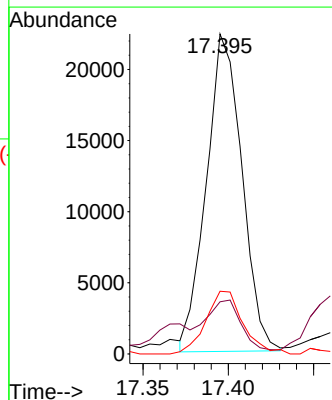
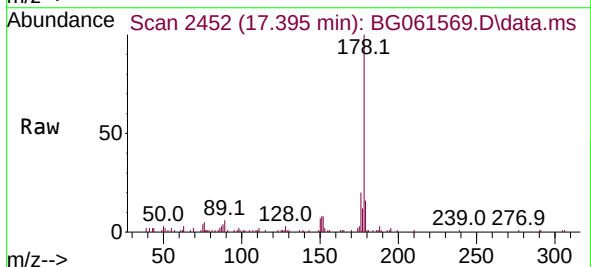
Manual Integrations
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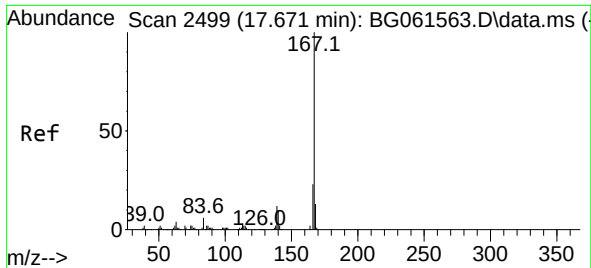
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#74
Anthracene
Concen: 3.750 ng/u1
RT: 17.395 min Scan# 2452
Delta R.T. 0.001 min
Lab File: BG061569.D
Acq: 8 Jun 2024 17:35

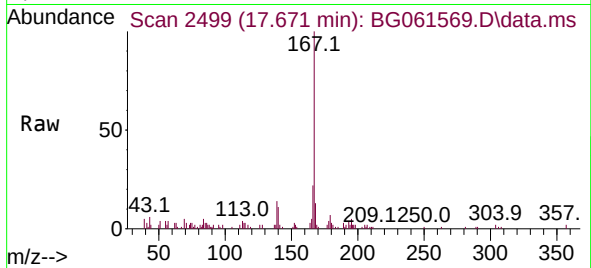
Tgt Ion:178 Resp: 32364
Ion Ratio Lower Upper
178 100
179 16.3 11.8 17.6
176 19.6 14.9 22.3





#77
 Carbazole
 Concen: 2.711 ng/ul
 RT: 17.671 min Scan# 2499
 Delta R.T. 0.001 min
 Lab File: BG061569.D
 Acq: 8 Jun 2024 17:35

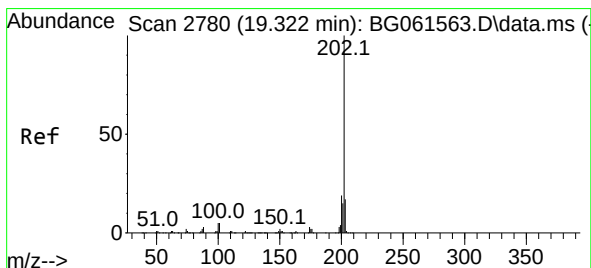
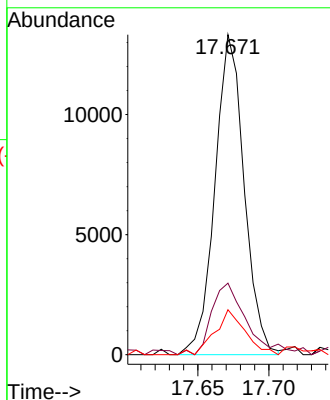
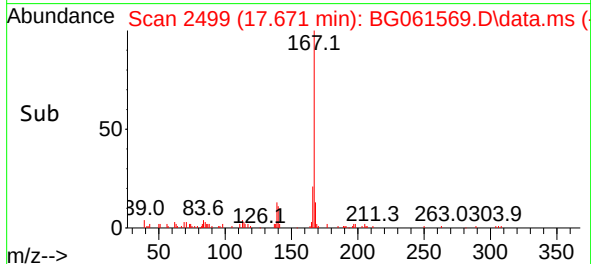
Instrument :
 BNA_G
 ClientSampleId :
 BHBS3



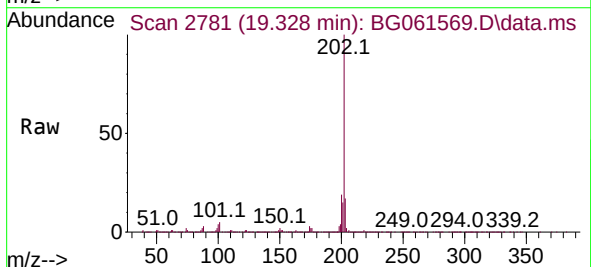
Tgt Ion:167 Resp: 1903
 Ion Ratio Lower Upper
 167 100
 166 22.3 18.6 28.0
 139 14.0 10.6 15.8

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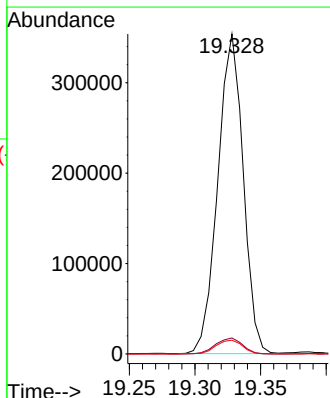
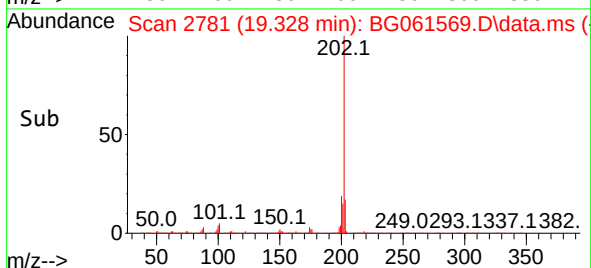
Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024

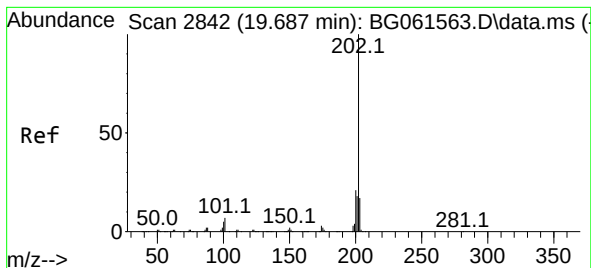


#80
 Fluoranthene
 Concen: 41.151 ng/ul
 RT: 19.328 min Scan# 2781
 Delta R.T. 0.006 min
 Lab File: BG061569.D
 Acq: 8 Jun 2024 17:35



Tgt Ion:202 Resp: 475384
 Ion Ratio Lower Upper
 202 100
 101 5.0 4.8 7.2
 100 4.3 4.1 6.1





#82

Pyrene

Concen: 30.731 ng/u1

RT: 19.692 min Scan# 2

Delta R.T. 0.006 min

Lab File: BG061569.D

Acq: 8 Jun 2024 17:35

Instrument :

BNA_G

ClientSampleId :

BHBS3

Tgt Ion:202 Resp: 368500

Ion Ratio Lower Upper

202 100

101 6.3 5.7 8.5

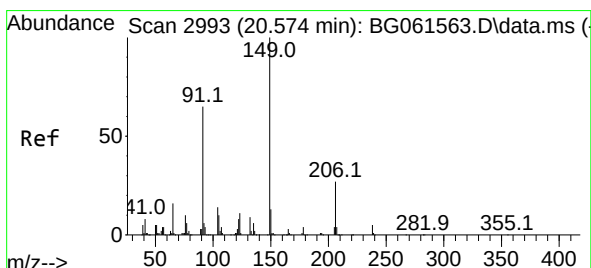
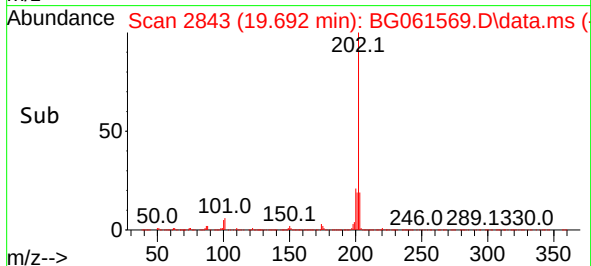
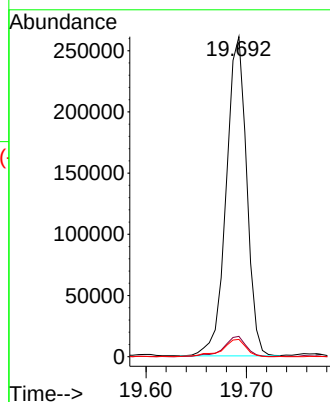
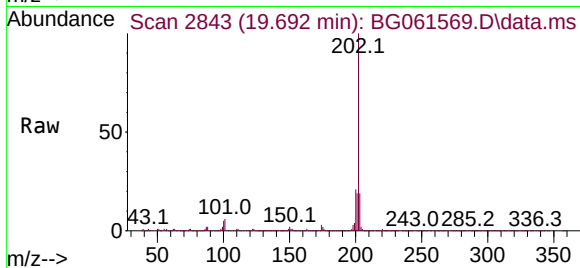
100 5.4 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#83

Butylbenzylphthalate

Concen: 1.031 ng/u1

RT: 20.574 min Scan# 2993

Delta R.T. 0.001 min

Lab File: BG061569.D

Acq: 8 Jun 2024 17:35

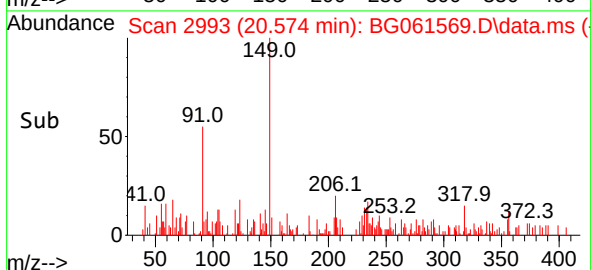
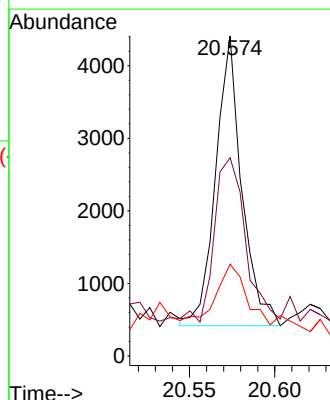
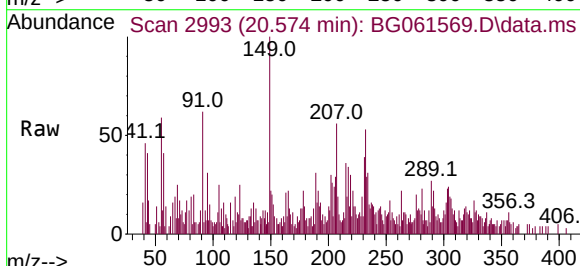
Tgt Ion:149 Resp: 4245

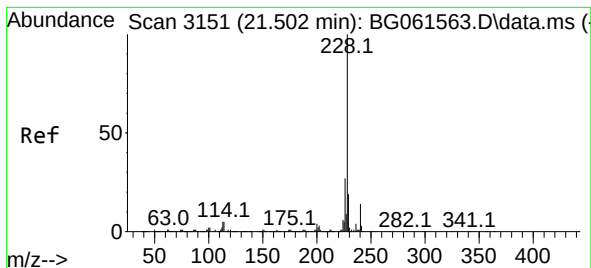
Ion Ratio Lower Upper

149 100

91 62.0 54.8 82.2

206 28.7 19.4 29.0





#85

Benzo(a)anthracene

Concen: 20.245 ng/ul

RT: 21.508 min Scan# 3151

Delta R.T. 0.007 min

Lab File: BG061569.D

Acq: 8 Jun 2024 17:35

Instrument :

BNA_G

ClientSampleId :

BHBS3

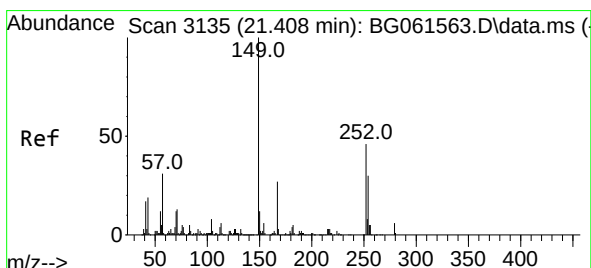
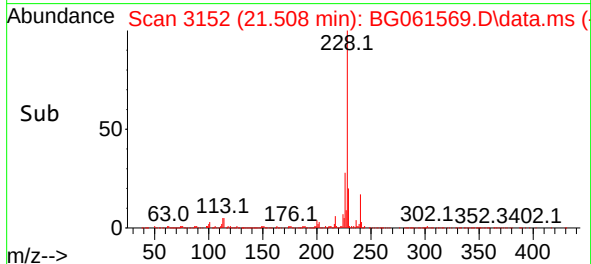
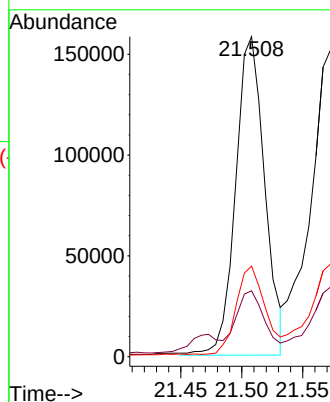
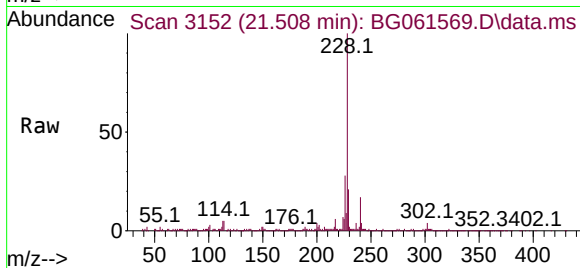
Tgt Ion:	228	Resp:	261992
Ion Ratio	Lower	Upper	
228	100		
229	20.6	15.2	22.8
226	28.3	21.4	32.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 6.777 ng/ul

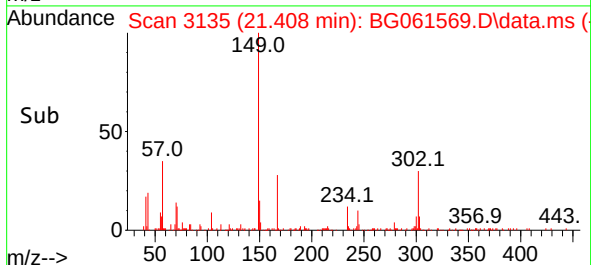
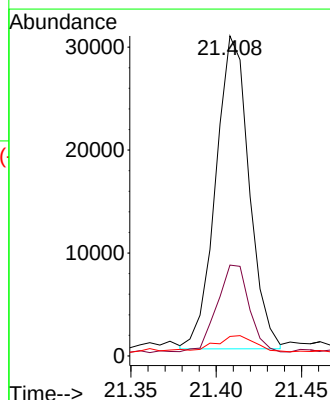
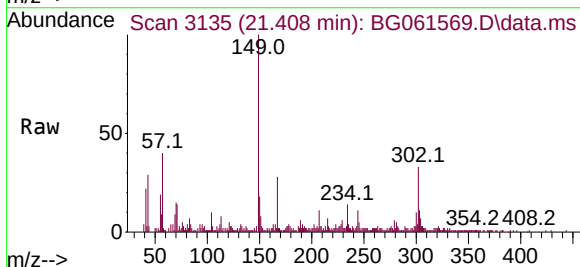
RT: 21.408 min Scan# 3135

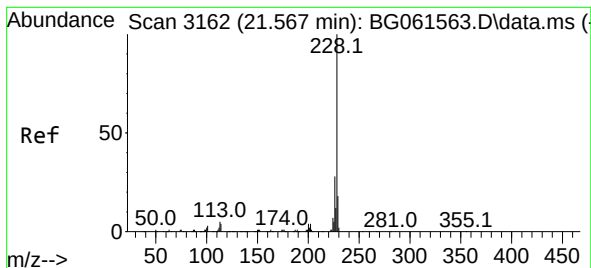
Delta R.T. 0.001 min

Lab File: BG061569.D

Acq: 8 Jun 2024 17:35

Tgt Ion:	149	Resp:	41324
Ion Ratio	Lower	Upper	
149	100		
167	28.4	21.1	31.7
279	6.1	3.3	4.9





#87

Chrysene

Concen: 22.909 ng/u1

RT: 21.573 min Scan# 3163

Delta R.T. 0.006 min

Lab File: BG061569.D

Acq: 8 Jun 2024 17:35

Instrument :

BNA_G

ClientSampleId :

BHBS3

Tgt Ion:228 Resp: 272978

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.0

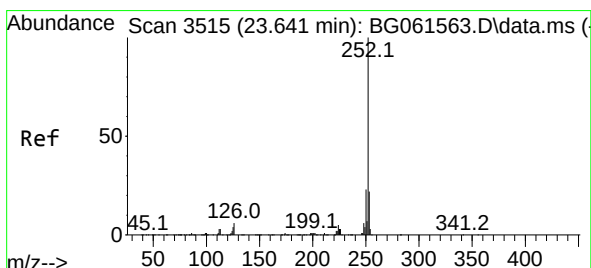
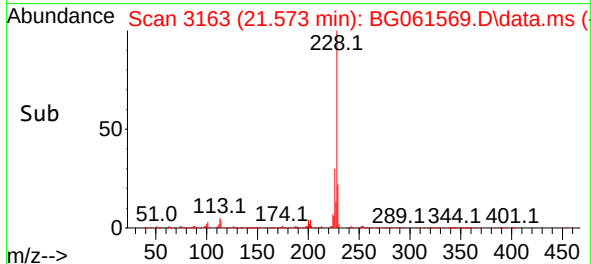
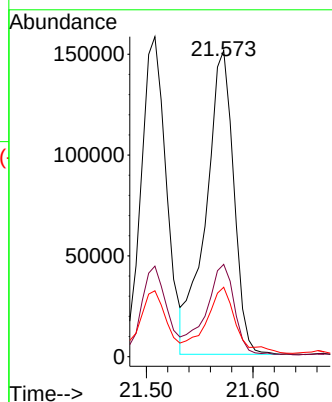
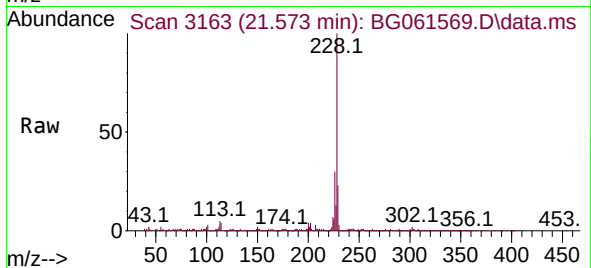
229 22.7 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#90

Benzo(b)fluoranthene

Concen: 28.428 ng/u1

RT: 23.653 min Scan# 3517

Delta R.T. 0.018 min

Lab File: BG061569.D

Acq: 8 Jun 2024 17:35

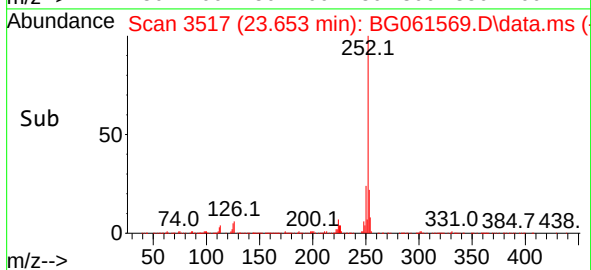
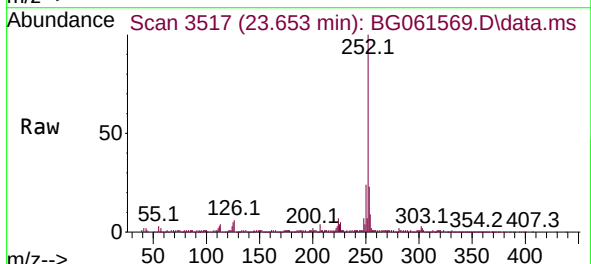
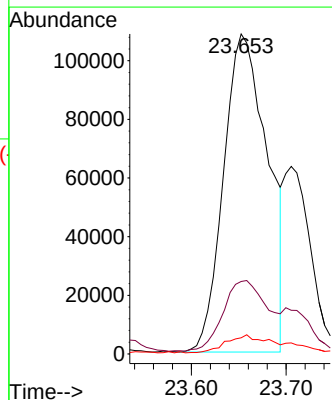
Tgt Ion:252 Resp: 350496

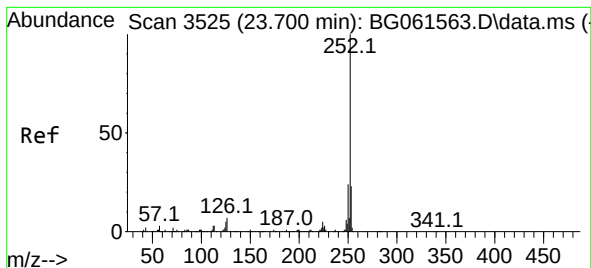
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 5.0 4.6 6.8





#91

Benzo(k)fluoranthene

Concen: 9.866 ng/ul m

RT: 23.705 min Scan# 3

Delta R.T. 0.006 min

Lab File: BG061569.D

Acq: 8 Jun 2024 17:35

Instrument :

BNA_G

ClientSampleId :

BHBS3

Tgt Ion:252 Resp: 12348

Ion Ratio Lower Upper

252 100

253 23.3 16.0 24.0

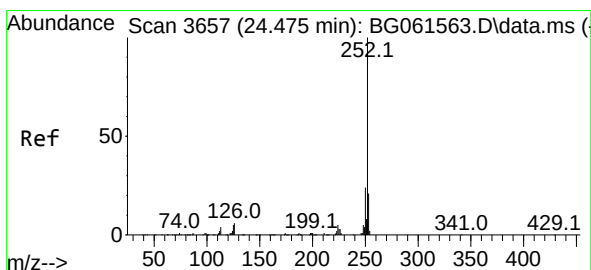
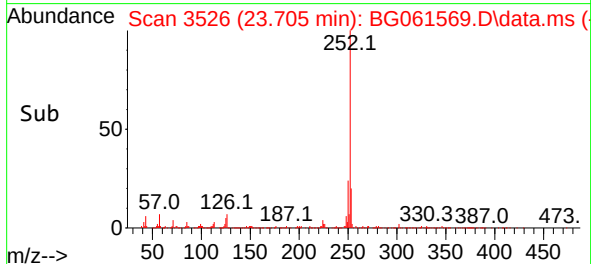
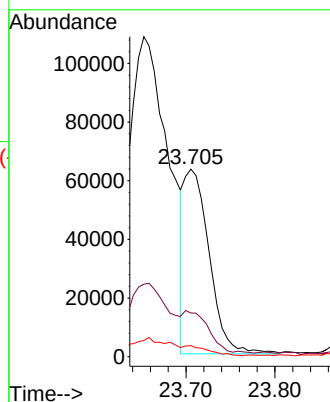
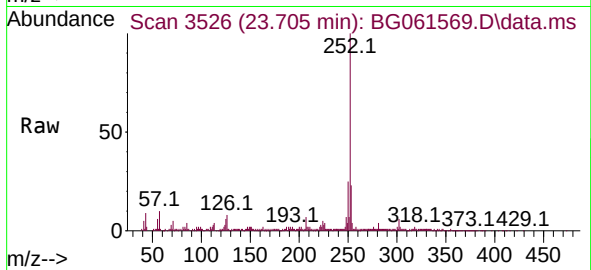
125 5.9 4.3 6.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#93

Benzo(a)pyrene

Concen: 11.534 ng/ul

RT: 24.487 min Scan# 3659

Delta R.T. 0.018 min

Lab File: BG061569.D

Acq: 8 Jun 2024 17:35

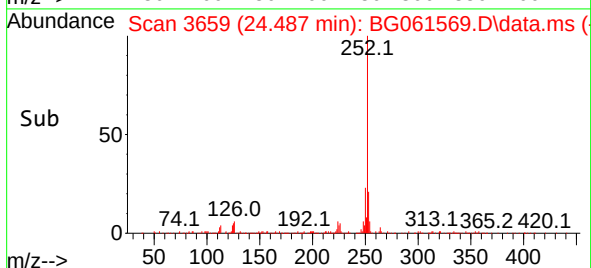
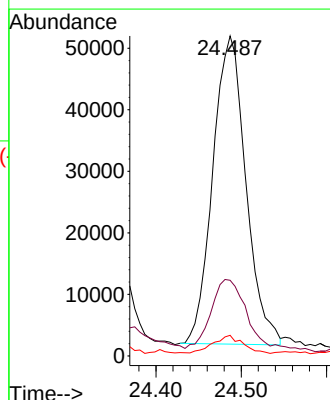
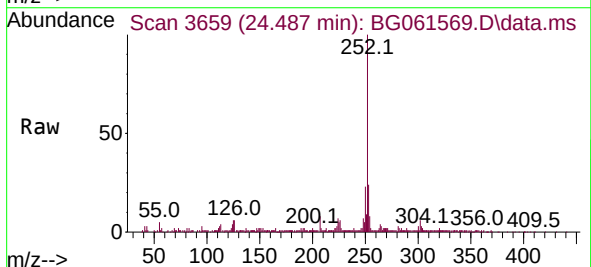
Tgt Ion:252 Resp: 135041

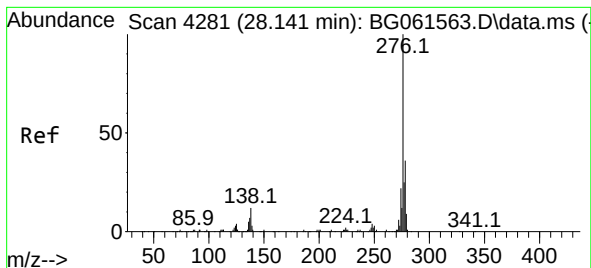
Ion Ratio Lower Upper

252 100

253 23.6 16.4 24.6

125 6.4 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 6.935 ng/ul m

RT: 28.159 min Scan# 4284

Delta R.T. 0.024 min

Lab File: BG061569.D

Acq: 8 Jun 2024 17:35

Instrument :

BNA_G

ClientSampleId :

BHBS3

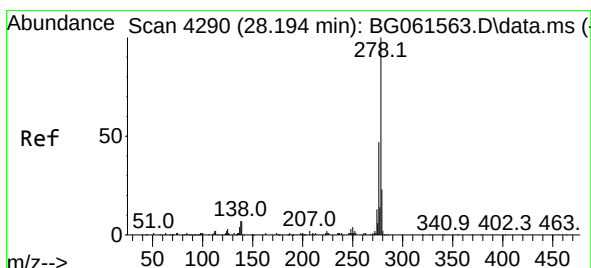
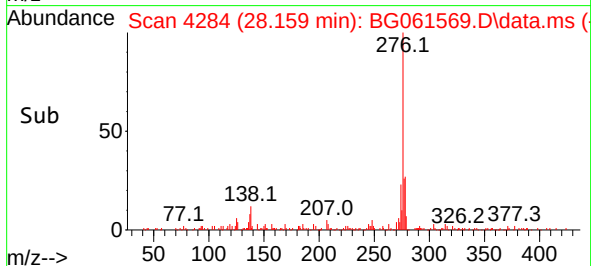
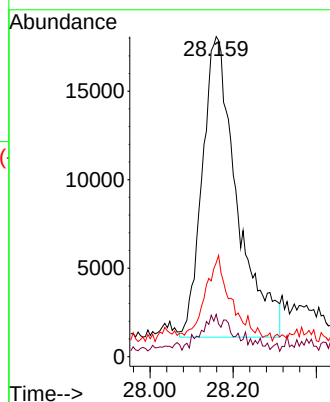
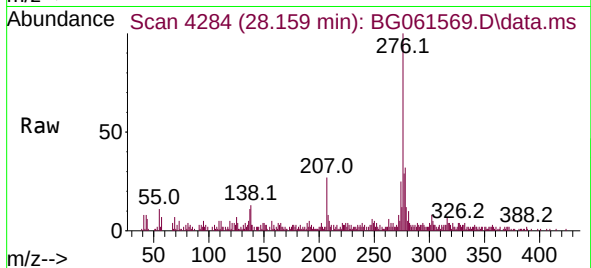
Tgt Ion:	276	Resp:	9819
Ion Ratio	Lower	Upper	
276	100		
138	13.2	8.6	13.0
277	29.3	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#95

Dibenzo(a,h)anthracene

Concen: 3.088 ng/ul m

RT: 28.200 min Scan# 4291

Delta R.T. 0.030 min

Lab File: BG061569.D

Acq: 8 Jun 2024 17:35

Tgt Ion:	278	Resp:	36053
Ion Ratio	Lower	Upper	
278	100		
139	8.8	6.4	9.6
279	28.9	19.9	29.9

