

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061567.D
 Acq On : 8 Jun 2024 16:13
 Operator : MA/JU
 Sample : P2647-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBS1

Manual Integrations
 APPROVED

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

Quant Time: Jun 09 23:54:27 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	7.870	152	27150	20.000	ng/u1	0.00
20) Naphthalene-d8	10.667	136	102723	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.510	164	76718	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.265	188	178516	20.000	ng/u1	0.00
79) Chrysene-d12	21.525	240	193652	20.000	ng/u1	0.00
88) Perylene-d12	24.627	264	227522	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	2230	4.597	ng/uL	-0.02
4) Pyridine-d5	3.746	84	18486	10.711	ng/u1	-0.02
7) Phenol-d5	7.065	99	48998	21.976	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.201	67	31589	22.541	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.412	132	43539	26.386	ng/u1	0.00
15) 4-Methylphenol-d8	8.593	113	32412	17.049	ng/u1	0.00
21) Nitrobenzene-d5	9.028	128	22495	28.442	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.751	143	25022	27.033	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.303	165	50998	28.261	ng/u1	0.00
31) 4-Chloroaniline-d4	10.814	131	9263	3.924	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	156739	26.342	ng/u1	0.00
49) Acenaphthylene-d8	14.204	160	172896	27.950	ng/u1	0.00
54) 4-Nitrophenol-d4	14.762	143	14396m	19.570	ng/u1	0.00
60) Fluorene-d10	15.503	176	140351	27.321	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.655	200	18355	17.000	ng/u1	0.00
73) Anthracene-d10	17.359	188	225549	28.659	ng/u1	0.00
81) Pyrene-d10	19.657	212	245883	24.729	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.416	264	212349	19.413	ng/u1	0.02
Target Compounds					Qvalue	
30) Naphthalene	10.714	128	25108	4.631	ng/u1	98
36) 2-Methylnaphthalene	12.324	142	8882	2.259	ng/u1	94
37) 1-Methylnaphthalene	12.547	142	7520	1.864	ng/u1#	93
52) Acenaphthene	14.574	153	12436	2.764	ng/u1	95
56) Dibenzofuran	14.909	168	15604	2.425	ng/u1	95
61) Fluorene	15.561	166	15784	2.835	ng/u1	94
72) Phenanthrene	17.306	178	332513	38.377	ng/u1	97
74) Anthracene	17.394	178	54162	6.046	ng/u1	99
77) Carbazole	17.671	167	28569	3.921	ng/u1	100
78) Di-n-butylphthalate	18.223	149	13867	1.519	ng/u1	97
80) Fluoranthene	19.328	202	649211	54.427	ng/u1	98
82) Pyrene	19.692	202	501764	40.525	ng/u1#	96
83) Butylbenzylphthalate	20.573	149	12072	2.838	ng/u1#	91
85) Benzo(a)anthracene	21.507	228	351734	26.323	ng/u1	96
86) Bis(2-ethylhexyl)phtha...	21.407	149	130717	20.762	ng/u1#	97
87) Chrysene	21.566	228	370074	30.079	ng/u1	97
90) Benzo(b)fluoranthene	23.652	252	487711	36.003	ng/u1	97
91) Benzo(k)fluoranthene	23.705	252	195206m	14.195	ng/u1	
93) Benzo(a)pyrene	24.480	252	197651	15.365	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.158	276	147412m	9.476	ng/u1	
95) Dibenzo(a,h)anthracene	28.188	278	44250	3.450	ng/u1#	81
96) Benzo(g,h,i)perylene	29.269	276	24284m	1.962	ng/u1	

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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)

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

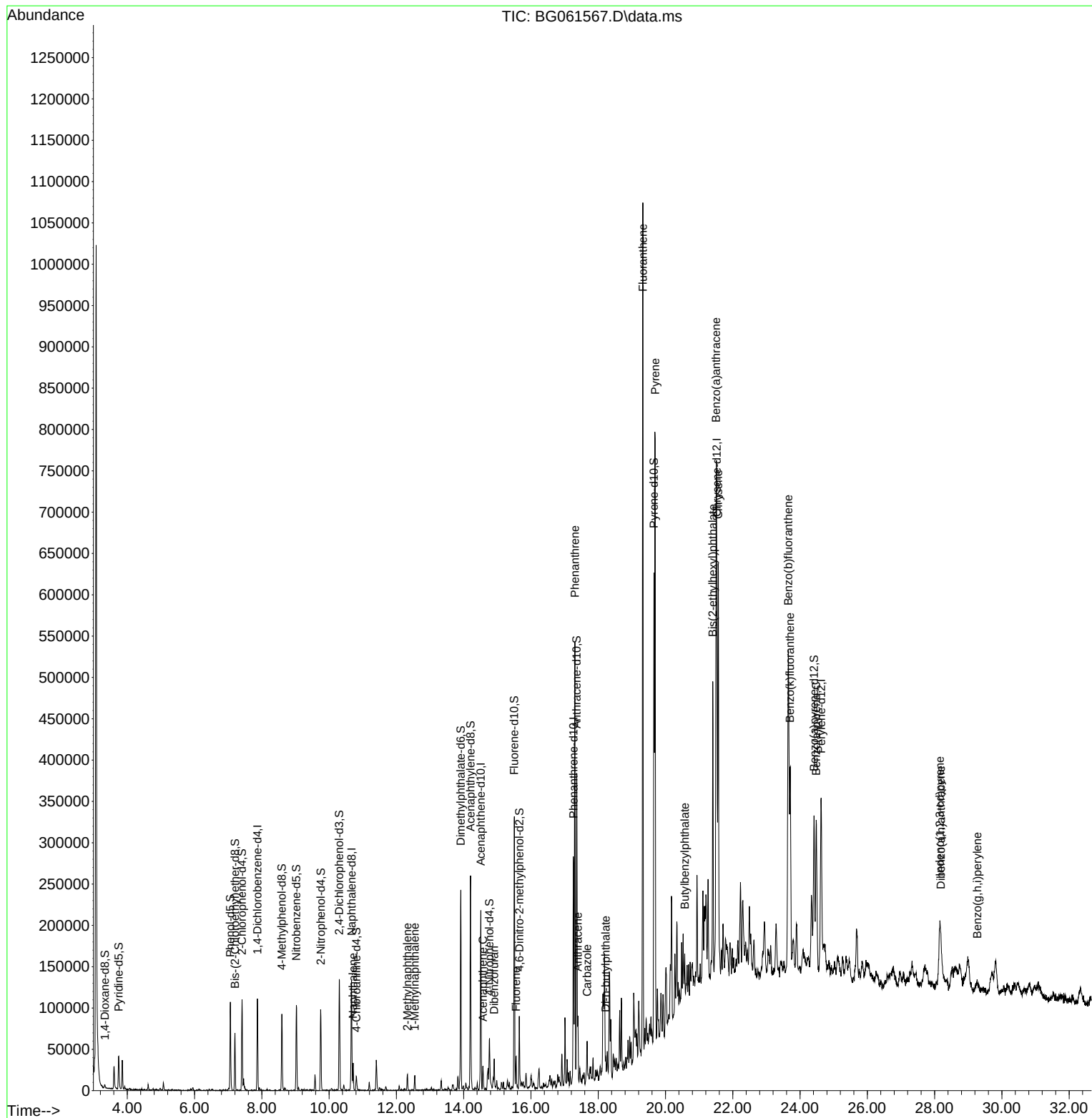
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
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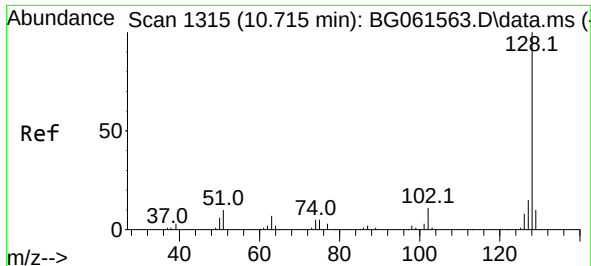
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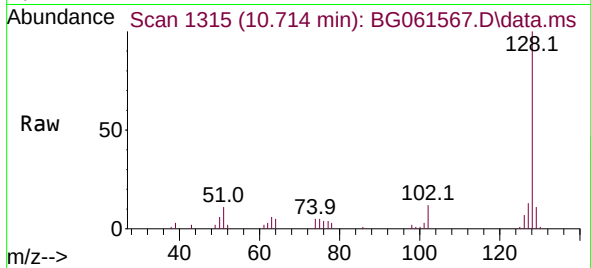
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024





#30
Naphthalene
Concen: 4.631 ng/ul
RT: 10.714 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG061567.D
Acq: 8 Jun 2024 16:13

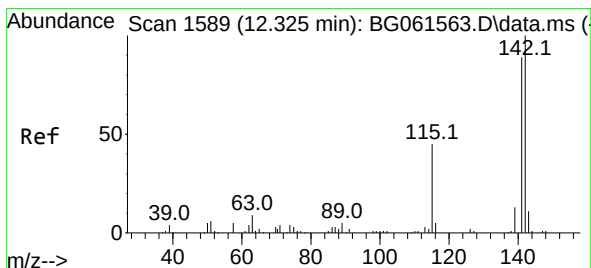
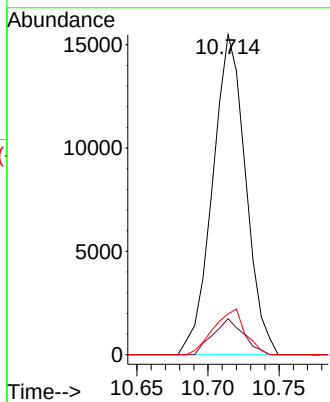
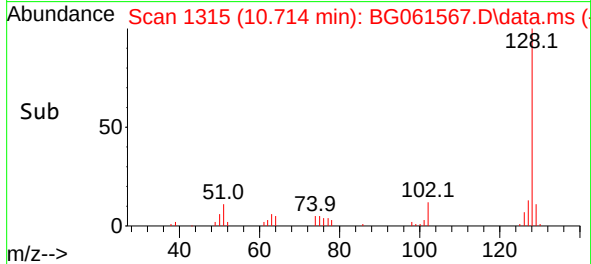
Instrument :
BNA_G
ClientSampleId :
BHBS1



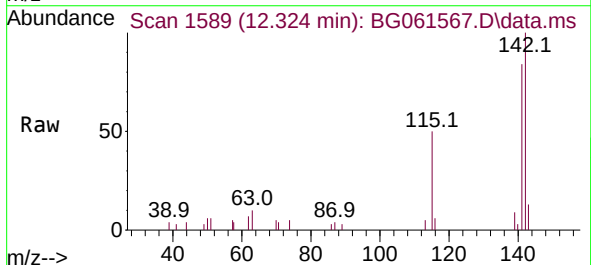
Tgt Ion:128 Resp: 25108
Ion Ratio Lower Upper
128 100
129 11.3 8.6 12.8
127 12.8 10.8 16.2

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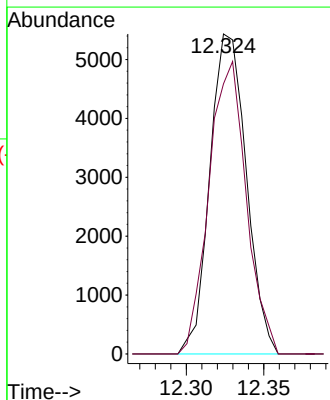
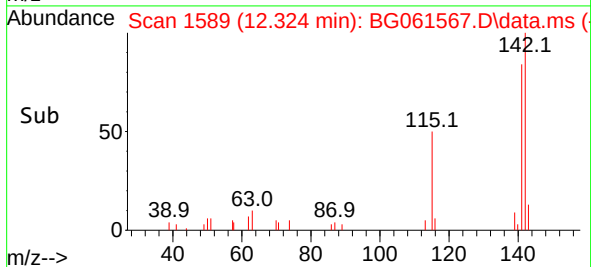
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

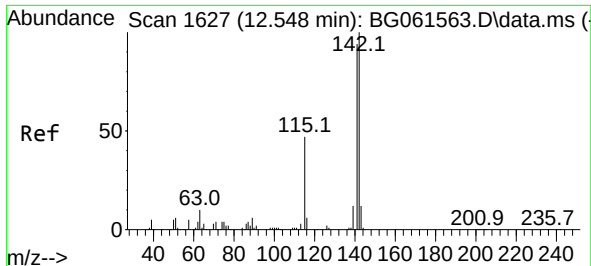


#36
2-Methylnaphthalene
Concen: 2.259 ng/ul
RT: 12.324 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BG061567.D
Acq: 8 Jun 2024 16:13



Tgt Ion:142 Resp: 8882
Ion Ratio Lower Upper
142 100
141 84.4 72.2 108.2





#37

1-Methylnaphthalene

Concen: 1.864 ng/ul

RT: 12.547 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG061567.D

Acq: 8 Jun 2024 16:13

Instrument :

BNA_G

ClientSampleId :

BHBS1

Tgt Ion:142 Resp: 7520

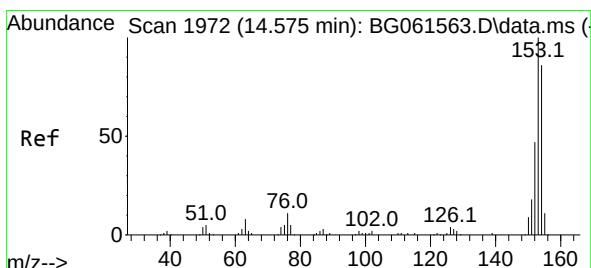
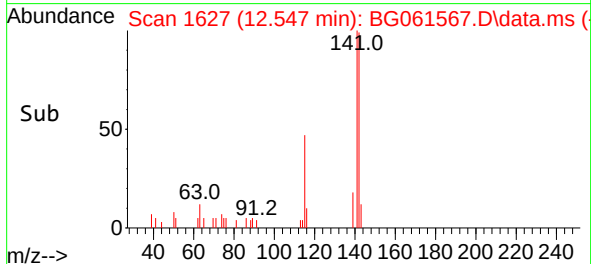
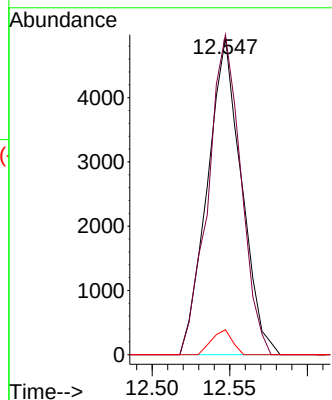
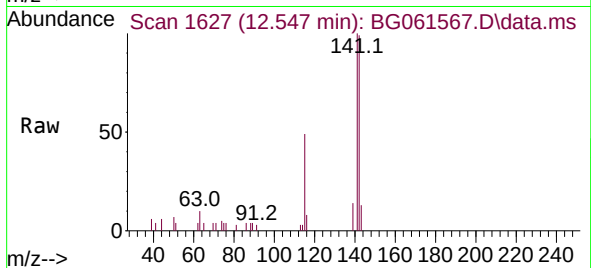
Ion	Ratio	Lower	Upper
142	100		
141	100.8	75.5	113.3
116	7.9	4.0	6.0

Manual Integrations

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Supervised By :mohammad ahmed 06/10/2024



#52

Acenaphthene

Concen: 2.764 ng/ul

RT: 14.574 min Scan# 1972

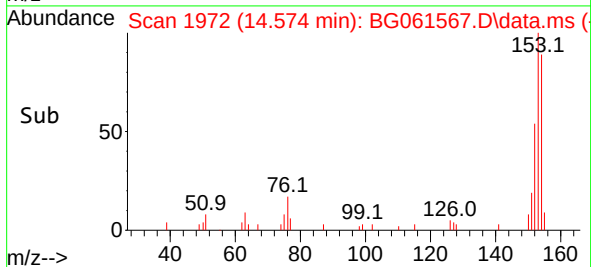
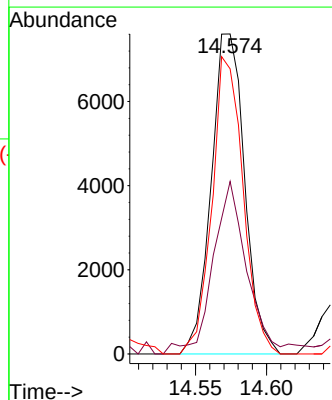
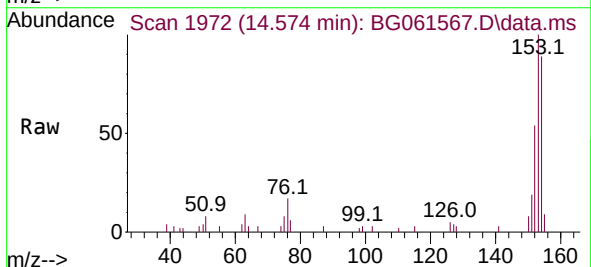
Delta R.T. -0.000 min

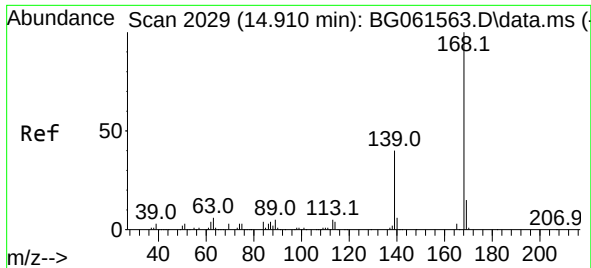
Lab File: BG061567.D

Acq: 8 Jun 2024 16:13

Tgt Ion:153 Resp: 12436

Ion	Ratio	Lower	Upper
153	100		
152	53.9	37.8	56.8
154	89.1	69.0	103.6





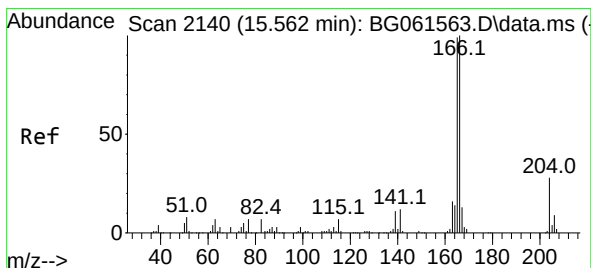
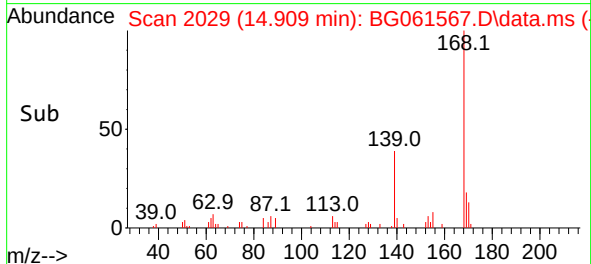
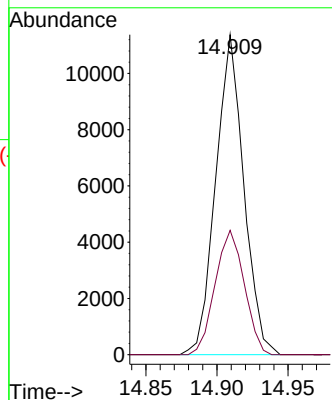
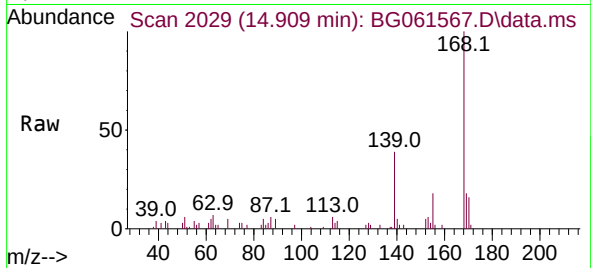
#56
Dibenzenofuran
Concen: 2.425 ng/ul
RT: 14.909 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BG061567.D
Acq: 8 Jun 2024 16:13

Instrument :
BNA_G
ClientSampleId :
BHBS1

Tgt Ion:168 Resp: 15604
Ion Ratio Lower Upper
168 100
139 38.9 33.4 50.2

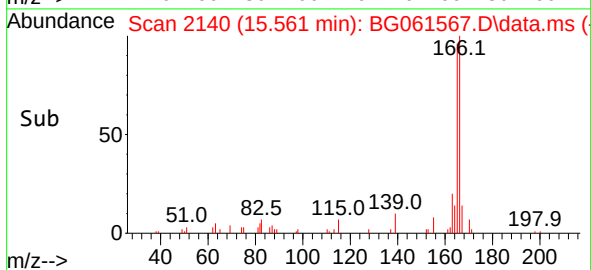
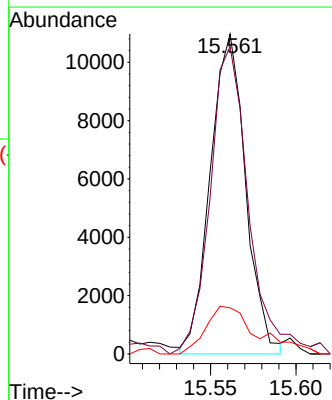
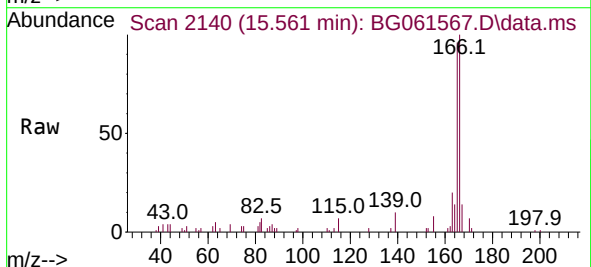
Manual Integrations
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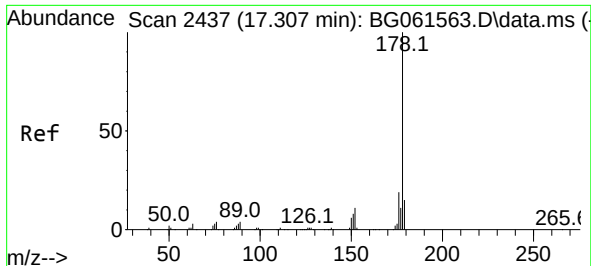
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#61
Fluorene
Concen: 2.835 ng/ul
RT: 15.561 min Scan# 2140
Delta R.T. 0.000 min
Lab File: BG061567.D
Acq: 8 Jun 2024 16:13

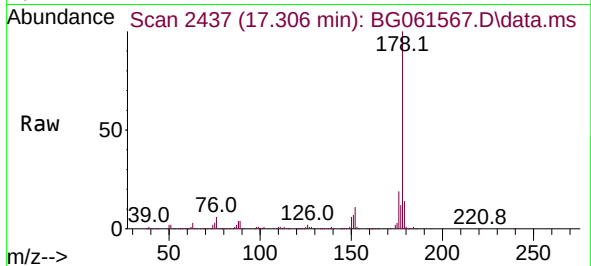
Tgt Ion:166 Resp: 15784
Ion Ratio Lower Upper
166 100
165 96.0 81.8 122.8
167 14.4 10.6 16.0





#72
Phenanthrene
Concen: 38.377 ng/ul
RT: 17.306 min Scan# 2437
Delta R.T. -0.000 min
Lab File: BG061567.D
Acq: 8 Jun 2024 16:13

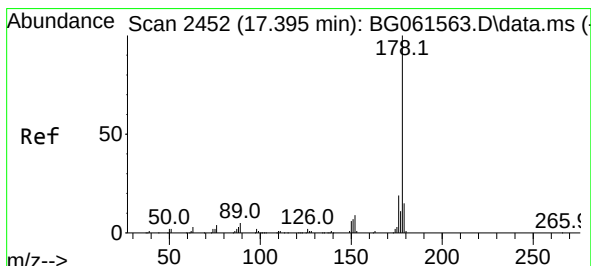
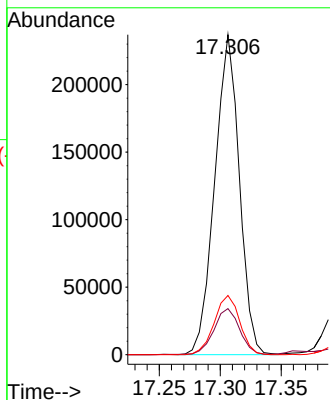
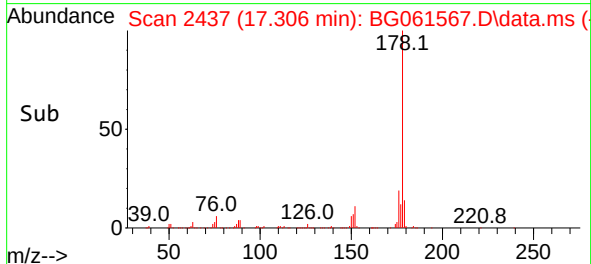
Instrument :
BNA_G
ClientSampleId :
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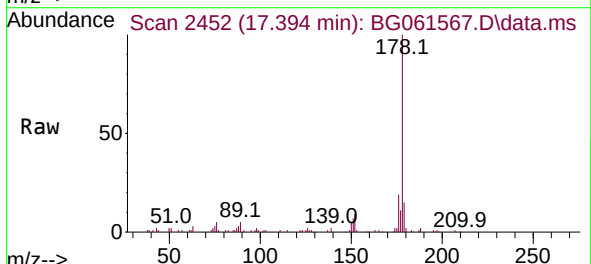
Tgt Ion:178 Resp: 332511
Ion Ratio Lower Upper
178 100
179 14.4 12.7 19.1
176 18.5 15.5 23.3

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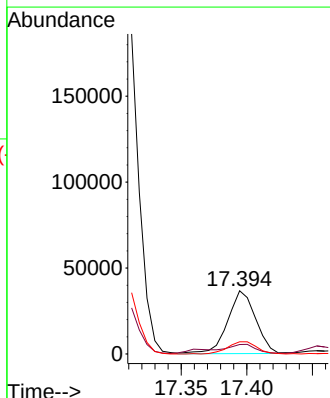
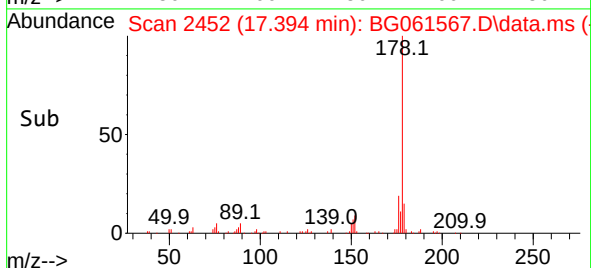
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

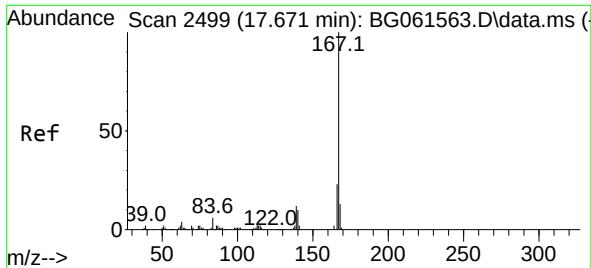


#74
Anthracene
Concen: 6.046 ng/ul
RT: 17.394 min Scan# 2452
Delta R.T. -0.000 min
Lab File: BG061567.D
Acq: 8 Jun 2024 16:13



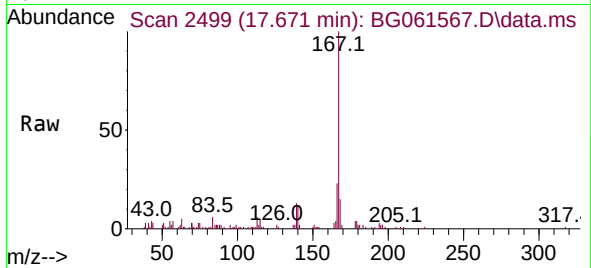
Tgt Ion:178 Resp: 54162
Ion Ratio Lower Upper
178 100
179 14.9 11.8 17.6
176 19.2 14.9 22.3





#77
 Carbazole
 Concen: 3.921 ng/ul
 RT: 17.671 min Scan# 2499
 Delta R.T. 0.000 min
 Lab File: BG061567.D
 Acq: 8 Jun 2024 16:13

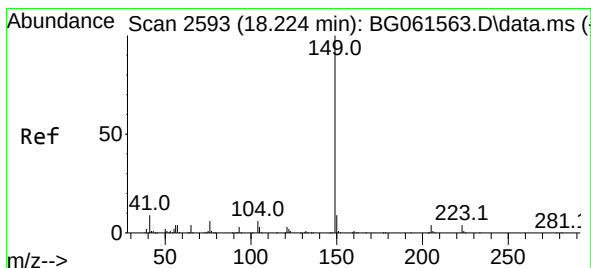
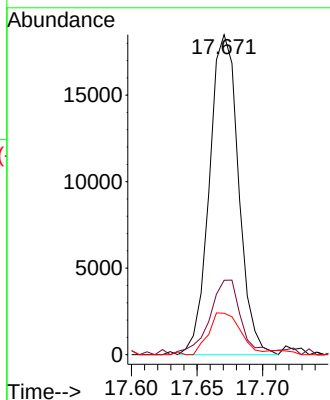
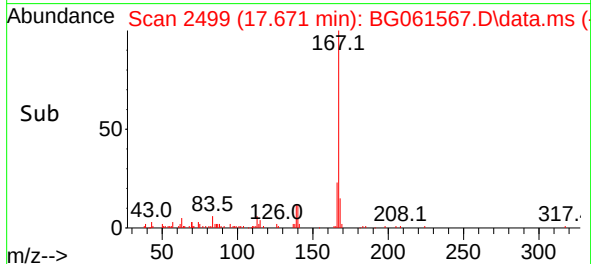
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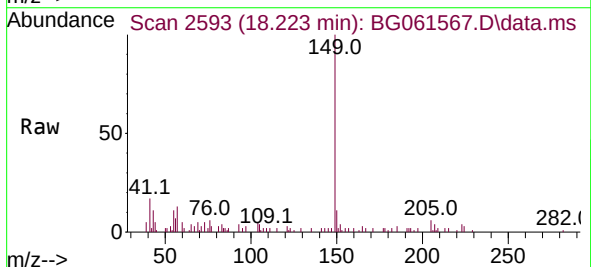
Tgt Ion:167 Resp: 2856
 Ion Ratio Lower Upper
 167 100
 166 23.3 18.6 28.0
 139 13.0 10.6 15.8

Manual Integrations
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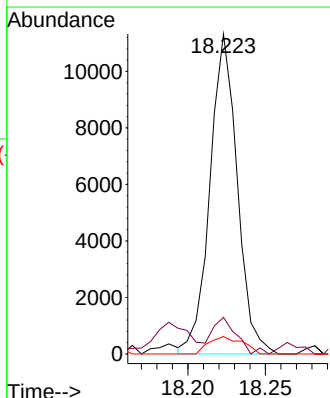
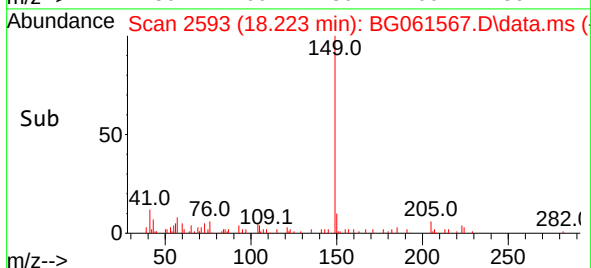
Reviewed By :Yogesh Patel 06/10/2024
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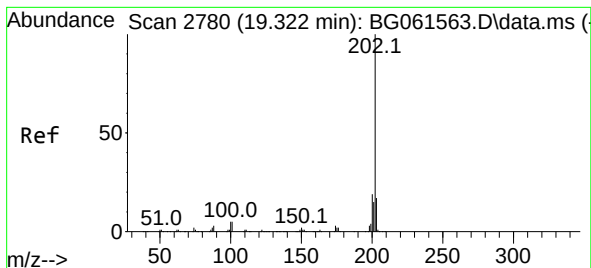


#78
 Di-n-butylphthalate
 Concen: 1.519 ng/ul
 RT: 18.223 min Scan# 2593
 Delta R.T. 0.000 min
 Lab File: BG061567.D
 Acq: 8 Jun 2024 16:13



Tgt Ion:149 Resp: 13867
 Ion Ratio Lower Upper
 149 100
 150 11.4 7.8 11.8
 104 5.5 4.8 7.2





#80

Fluoranthene

Concen: 54.427 ng/u1

RT: 19.328 min Scan# 21

Delta R.T. 0.006 min

Lab File: BG061567.D

Acq: 8 Jun 2024 16:13

Instrument :

BNA_G

ClientSampleId :

BHBS1

Tgt Ion:202 Resp: 64921

Ion Ratio Lower Upper

202 100

101 5.3 4.8 7.2

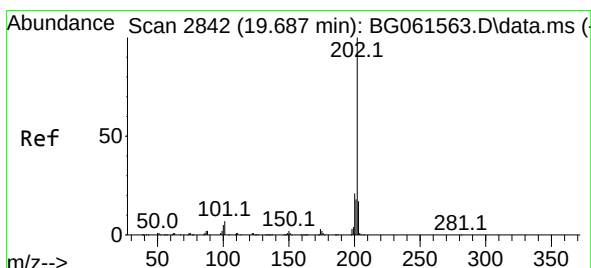
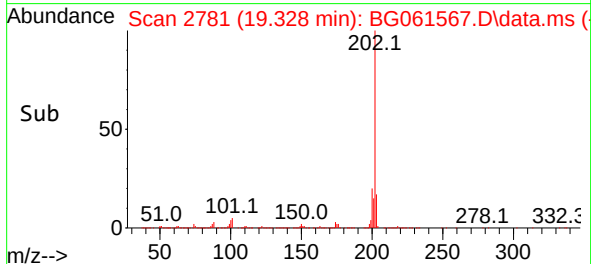
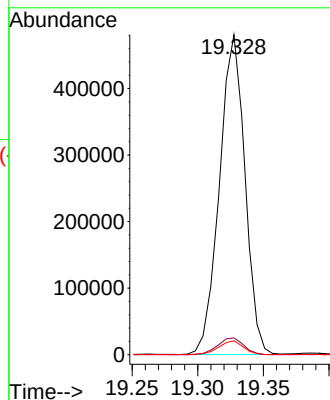
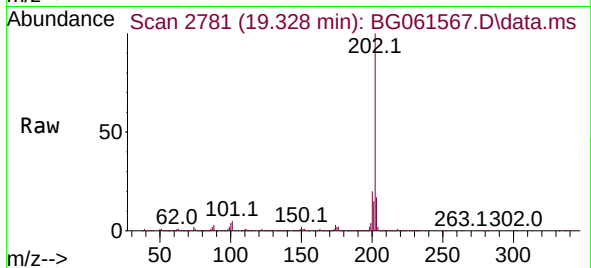
100 4.3 4.1 6.1

Manual Integrations

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Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#82

Pyrene

Concen: 40.525 ng/u1

RT: 19.692 min Scan# 2843

Delta R.T. 0.006 min

Lab File: BG061567.D

Acq: 8 Jun 2024 16:13

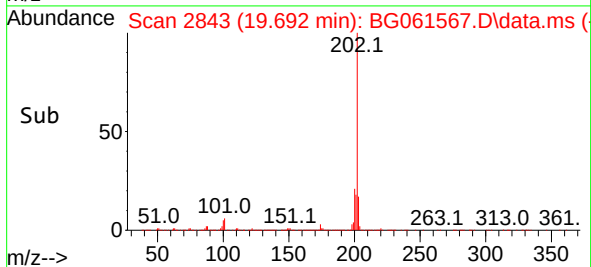
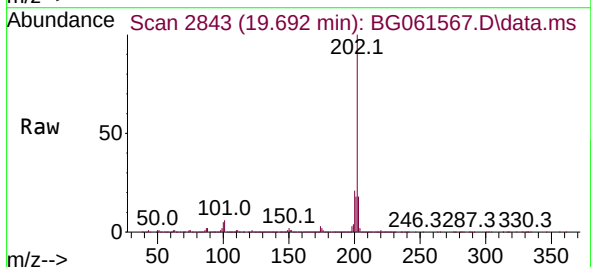
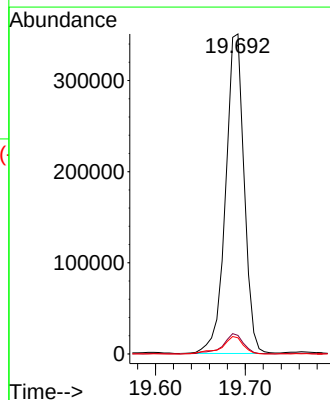
Tgt Ion:202 Resp: 501764

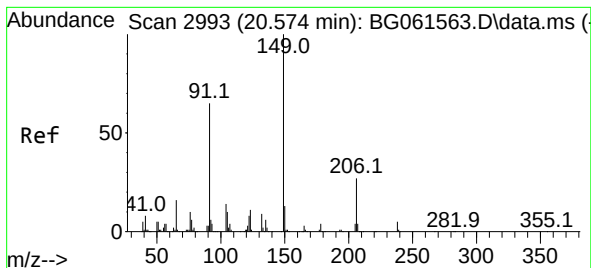
Ion Ratio Lower Upper

202 100

101 5.8 5.7 8.5

100 5.1 5.1 7.7#





#83

Butylbenzylphthalate

Concen: 2.838 ng/ul

RT: 20.573 min Scan# 2993

Delta R.T. 0.000 min

Lab File: BG061567.D

Acq: 8 Jun 2024 16:13

Instrument :

BNA_G

ClientSampleId :

BHBS1

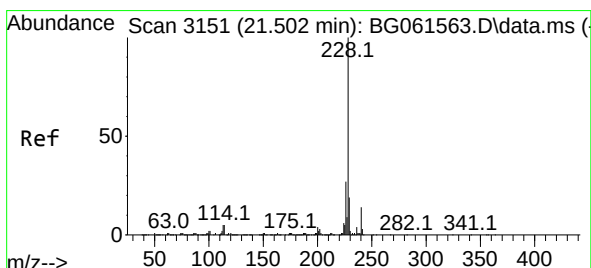
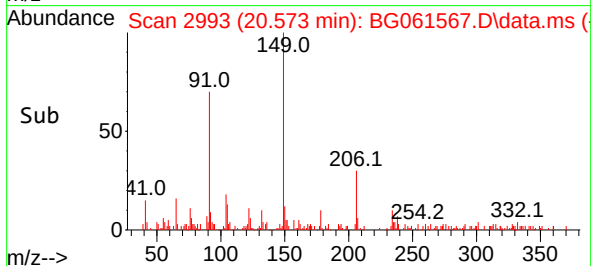
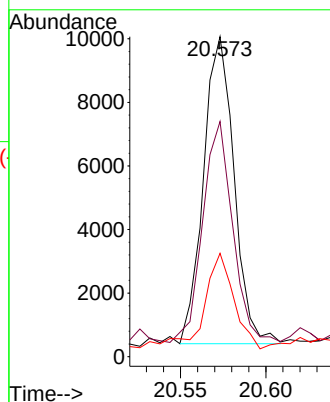
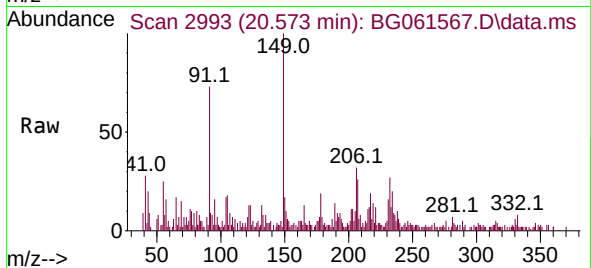
Tgt Ion:	149	Resp:	12072
Ion Ratio	Lower	Upper	
149	100		
91	73.5	54.8	82.2
206	32.3	19.4	29.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#85

Benzo(a)anthracene

Concen: 26.323 ng/ul

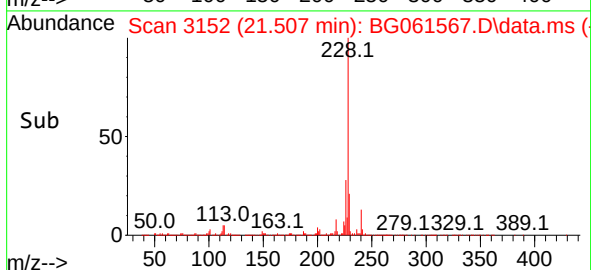
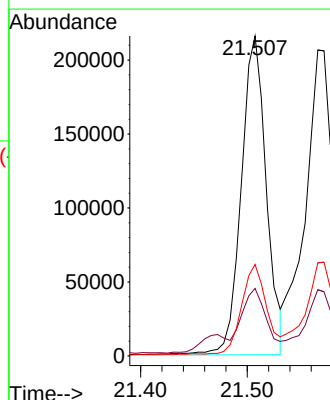
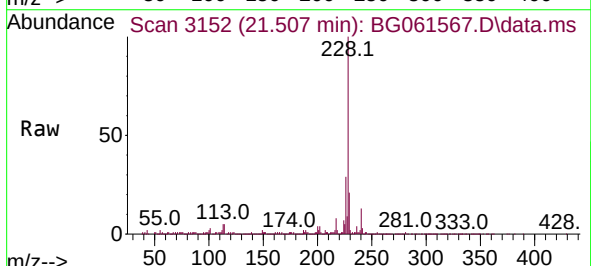
RT: 21.507 min Scan# 3152

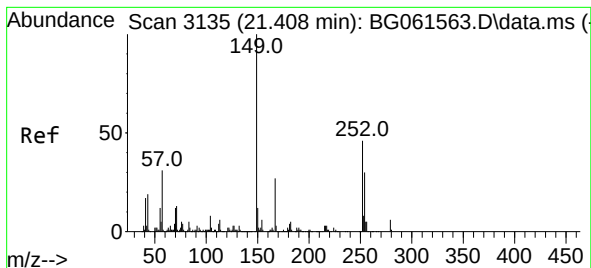
Delta R.T. 0.006 min

Lab File: BG061567.D

Acq: 8 Jun 2024 16:13

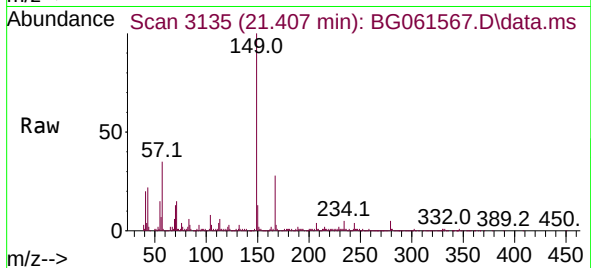
Tgt Ion:	228	Resp:	351734
Ion Ratio	Lower	Upper	
228	100		
229	21.1	15.2	22.8
226	28.6	21.4	32.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 20.762 ng/ul
RT: 21.407 min Scan# 3135
Delta R.T. 0.000 min
Lab File: BG061567.D
Acq: 8 Jun 2024 16:13

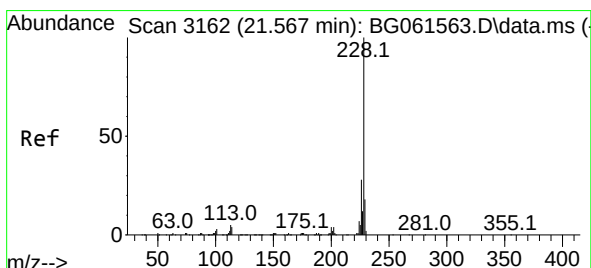
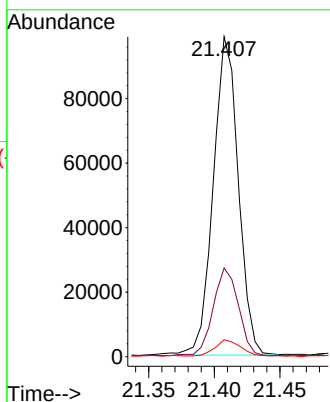
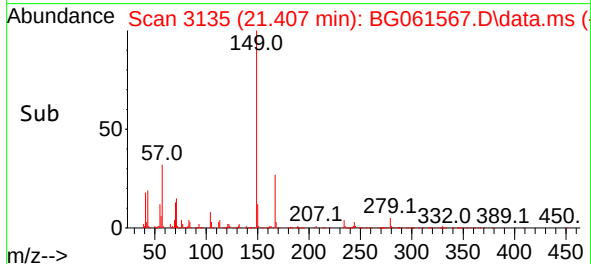
Instrument :
BNA_G
ClientSampleId :
BHBS1



Tgt Ion:149 Resp: 13071
Ion Ratio Lower Upper
149 100
167 27.7 21.1 31.7
279 5.3 3.3 4.9

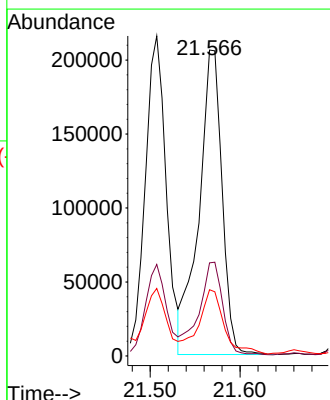
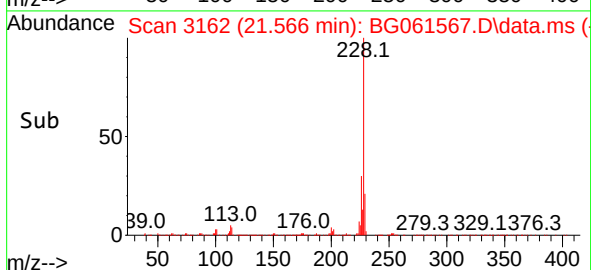
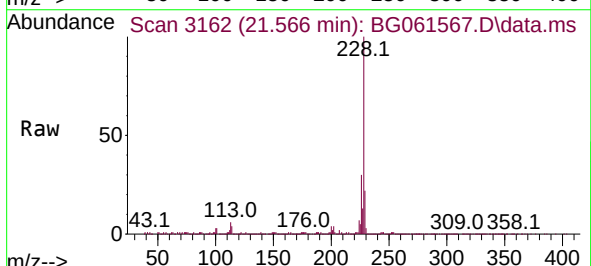
Manual Integrations
APPROVED

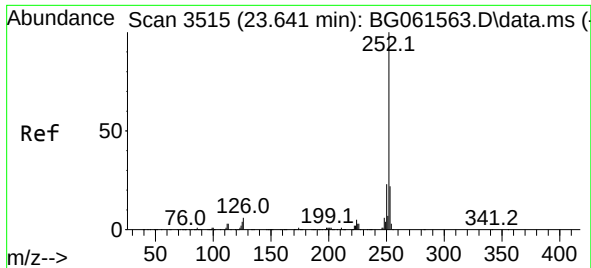
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#87
Chrysene
Concen: 30.079 ng/ul
RT: 21.566 min Scan# 3162
Delta R.T. -0.000 min
Lab File: BG061567.D
Acq: 8 Jun 2024 16:13

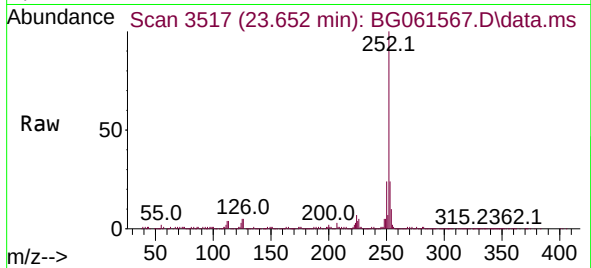
Tgt Ion:228 Resp: 370074
Ion Ratio Lower Upper
228 100
226 30.4 23.4 35.0
229 21.6 15.4 23.2





#90
Benzo(b)fluoranthene
Concen: 36.003 ng/ul
RT: 23.652 min Scan# 3517
Delta R.T. 0.018 min
Lab File: BG061567.D
Acq: 8 Jun 2024 16:13

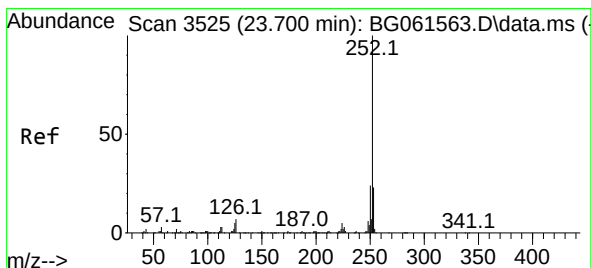
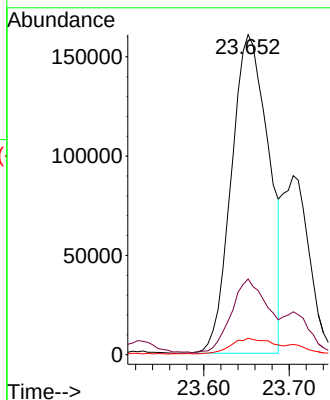
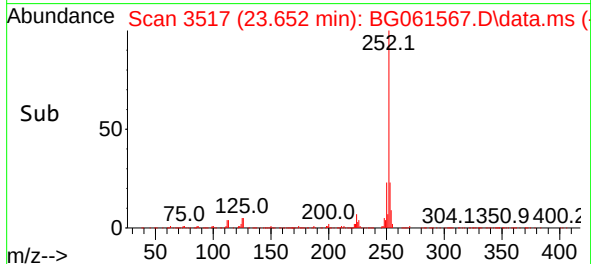
Instrument :
BNA_G
ClientSampleId :
BHBS1



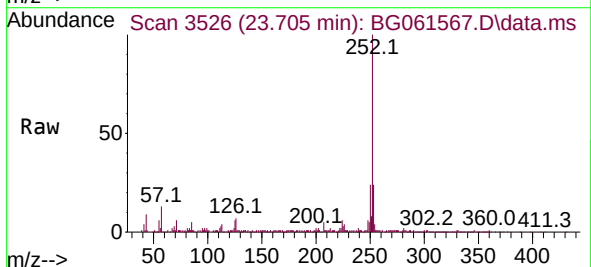
Tgt Ion:252 Resp: 48771
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 5.2 4.6 6.8

Manual Integrations
APPROVED

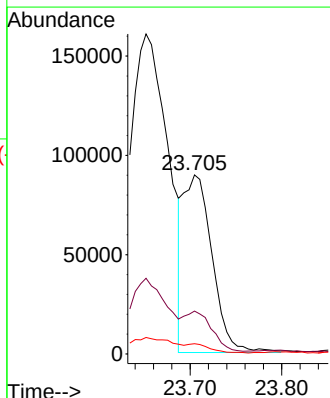
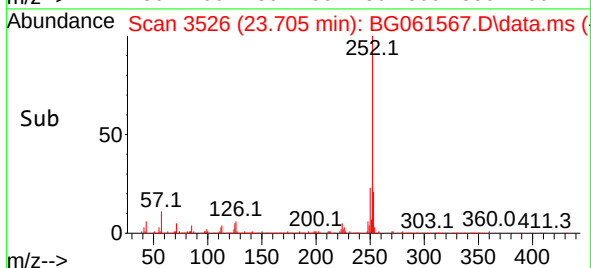
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

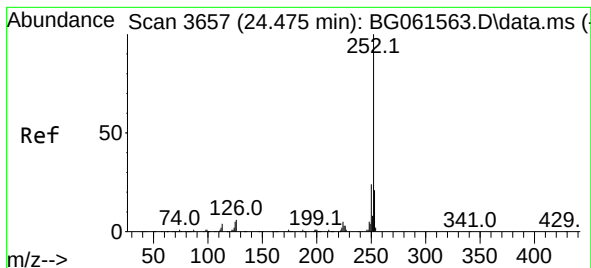


#91
Benzo(k)fluoranthene
Concen: 14.195 ng/ul m
RT: 23.705 min Scan# 3526
Delta R.T. 0.006 min
Lab File: BG061567.D
Acq: 8 Jun 2024 16:13



Tgt Ion:252 Resp: 195206
Ion Ratio Lower Upper
252 100
253 23.9 16.0 24.0
125 5.7 4.3 6.5





#93

Benzo(a)pyrene

Concen: 15.365 ng/ul

RT: 24.480 min Scan# 30

Delta R.T. 0.012 min

Lab File: BG061567.D

Acq: 8 Jun 2024 16:13

Instrument :

BNA_G

ClientSampleId :

BHBS1

Tgt Ion:252 Resp: 19765

Ion Ratio Lower Upper

252 100

253 23.5 16.4 24.6

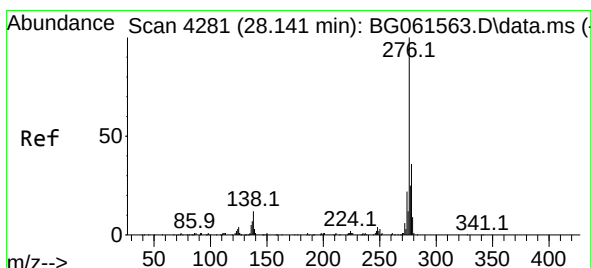
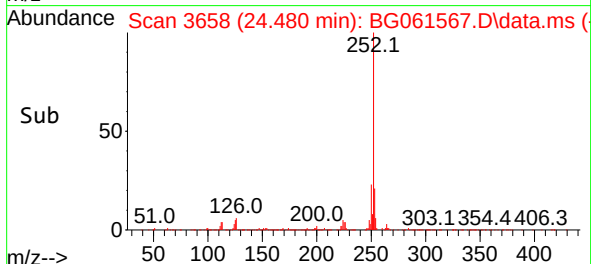
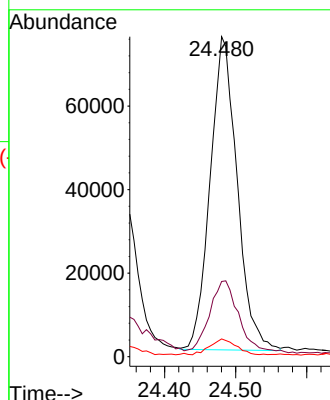
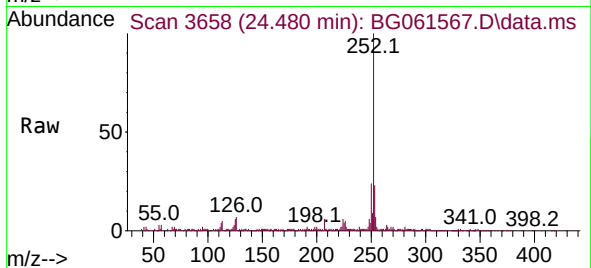
125 5.5 4.3 6.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 9.476 ng/ul m

RT: 28.158 min Scan# 4284

Delta R.T. 0.023 min

Lab File: BG061567.D

Acq: 8 Jun 2024 16:13

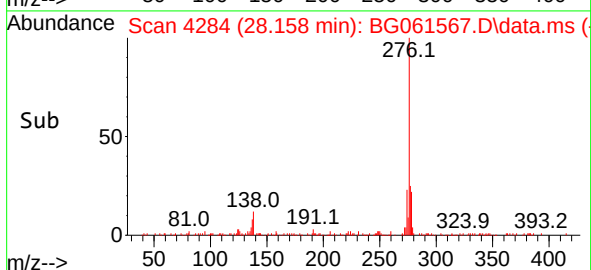
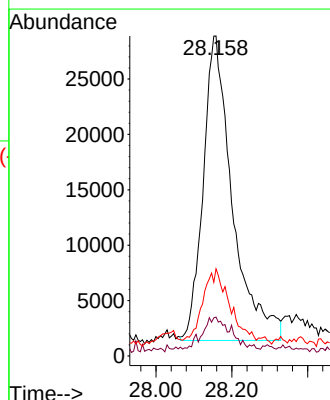
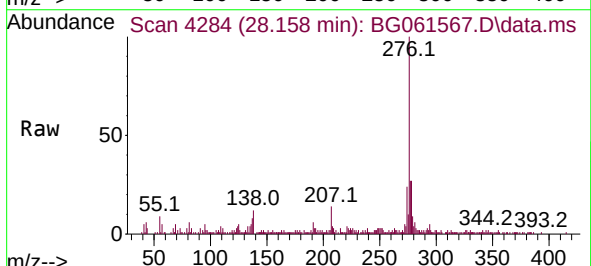
Tgt Ion:276 Resp: 147412

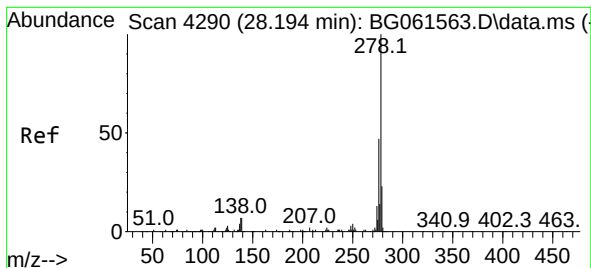
Ion Ratio Lower Upper

276 100

138 12.2 8.6 13.0

277 27.2 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 3.450 ng/ul

RT: 28.188 min Scan# 4418

Delta R.T. 0.018 min

Lab File: BG061567.D

Acq: 8 Jun 2024 16:13

Instrument :

BNA_G

ClientSampleId :

BHBS1

Tgt Ion:278 Resp: 44250

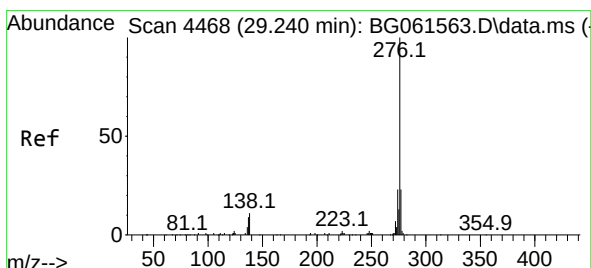
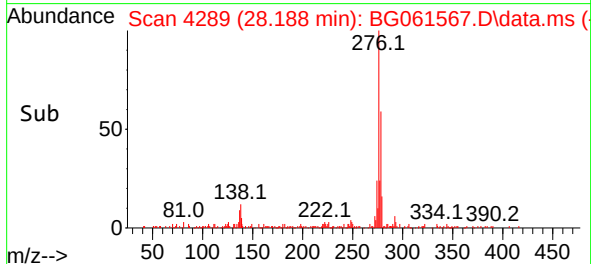
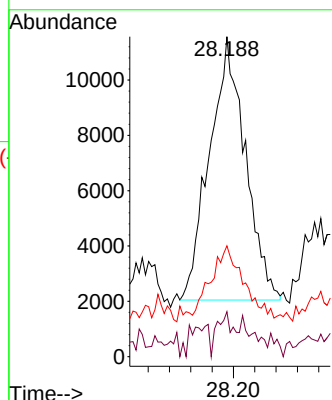
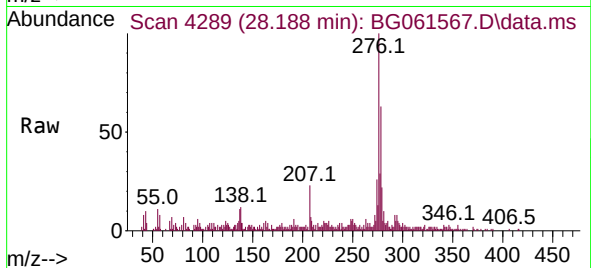
Ion	Ratio	Lower	Upper
278	100		
139	14.0	6.4	9.6
279	34.7	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#96

Benzo(g,h,i)perylene

Concen: 1.962 ng/ul m

RT: 29.269 min Scan# 4473

Delta R.T. 0.047 min

Lab File: BG061567.D

Acq: 8 Jun 2024 16:13

Tgt Ion:276 Resp: 24284

Ion	Ratio	Lower	Upper
276	100		
138	10.9	8.7	13.1
277	32.2	18.2	27.2

