

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061575.D
 Acq On : 8 Jun 2024 21:41
 Operator : MA/JU
 Sample : P2647-14
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBS8

Manual Integrations
 APPROVED

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

Quant Time: Jun 10 00:43:06 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	29358	20.000	ng/u1	0.00
20) Naphthalene-d8	10.667	136	110387	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.516	164	82043	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.265	188	190221	20.000	ng/u1	0.00
79) Chrysene-d12	21.525	240	204559	20.000	ng/u1	0.00
88) Perylene-d12	24.633	264	227988	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	1511	2.880	ng/uL	-0.03
4) Pyridine-d5	3.746	84	12296m	6.588	ng/u1	-0.02
7) Phenol-d5	7.071	99	47626	19.754	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.201	67	27162	17.925	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.418	132	39627	22.209	ng/u1	0.00
15) 4-Methylphenol-d8	8.605	113	34211	16.642	ng/u1	0.00
21) Nitrobenzene-d5	9.034	128	20241	23.816	ng/u1	0.00
24) 2-Nitrophenol-d4	9.757	143	23882	24.010	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.309	165	48773	25.152	ng/u1	0.00
31) 4-Chloroaniline-d4	10.808	131	22084	8.705	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	145438	22.857	ng/u1	0.00
49) Acenaphthylene-d8	14.204	160	156978	23.730	ng/u1	0.00
54) 4-Nitrophenol-d4	14.774	143	14055m	17.866	ng/u1	0.02
60) Fluorene-d10	15.509	176	127412	23.193	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.661	200	13251	11.518	ng/u1	0.01
73) Anthracene-d10	17.365	188	210893	25.147	ng/u1	0.00
81) Pyrene-d10	19.663	212	231217	22.014	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.422	264	199709	18.220	ng/u1	0.02
Target Compounds					Qvalue	
30) Naphthalene	10.720	128	8812	1.512	ng/u1	98
36) 2-Methylnaphthalene	12.330	142	7249	1.716	ng/u1	89
37) 1-Methylnaphthalene	12.547	142	7080	1.633	ng/u1	96
52) Acenaphthene	14.574	153	6032	1.254	ng/u1	89
56) Dibenzofuran	14.909	168	8173	1.188	ng/u1	94
61) Fluorene	15.562	166	7700m	1.293	ng/u1	
72) Phenanthrene	17.307	178	190092	20.589	ng/u1	99
74) Anthracene	17.401	178	27808	2.913	ng/u1	96
77) Carbazole	17.671	167	13946	1.796	ng/u1	96
80) Fluoranthene	19.328	202	360635	28.622	ng/u1	99
82) Pyrene	19.692	202	293883	22.470	ng/u1	98
85) Benzo(a)anthracene	21.507	228	201062	14.245	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.408	149	23058	3.467	ng/u1#	98
87) Chrysene	21.572	228	216000	16.620	ng/u1	95
90) Benzo(b)fluoranthene	23.658	252	253107	18.646	ng/u1	98
91) Benzo(k)fluoranthene	23.711	252	101677m	7.378	ng/u1	
93) Benzo(a)pyrene	24.486	252	108349	8.406	ng/u1	93
94) Indeno(1,2,3-cd)pyrene	28.164	276	68948m	4.423	ng/u1	
95) Dibenzo(a,h)anthracene	28.206	278	22631m	1.761	ng/u1	

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

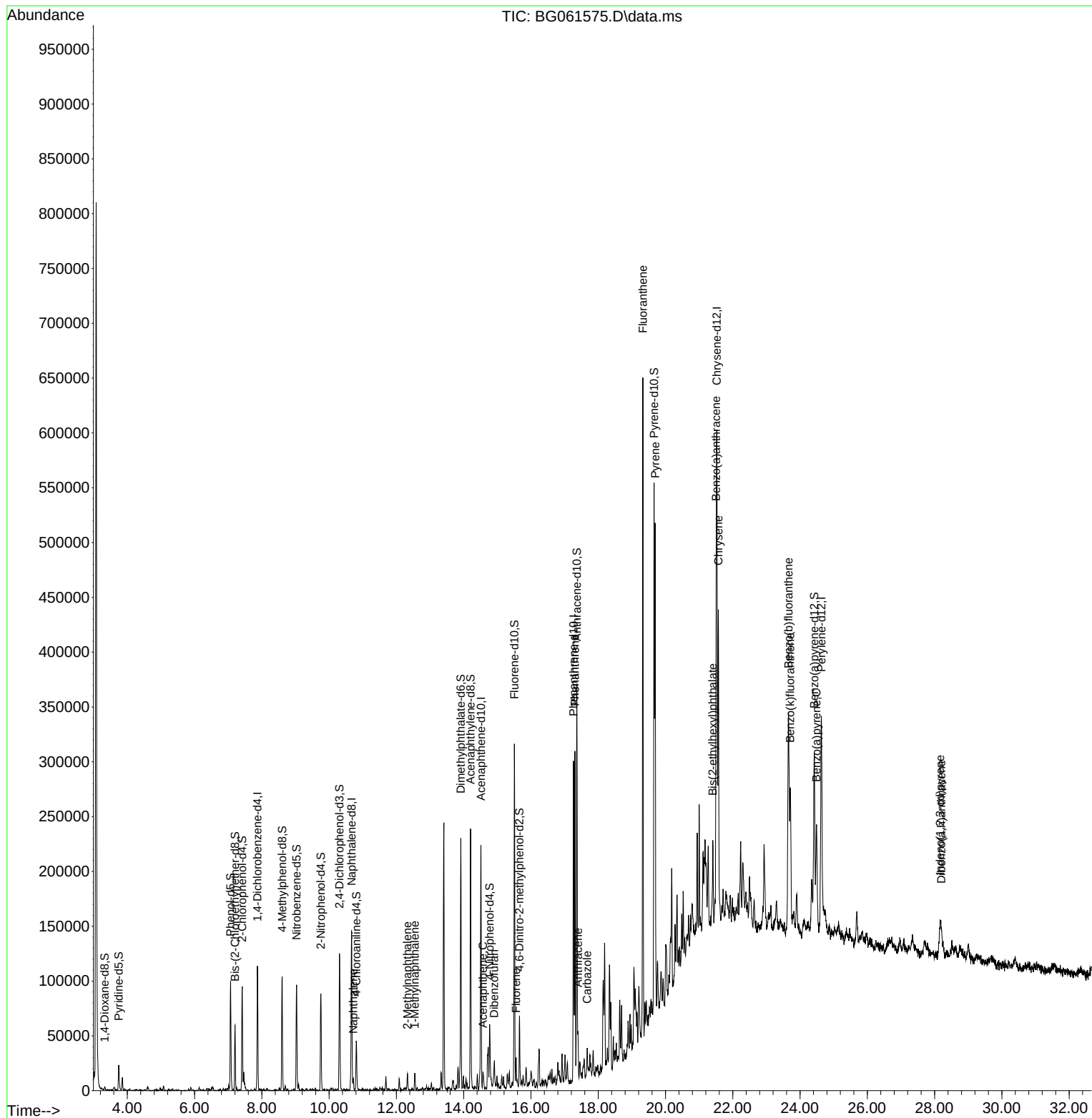
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061575.D
 Acq On : 8 Jun 2024 21:41
 Operator : MA/JU
 Sample : P2647-14
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 ALS Vial : 14 Sample Multiplier: 1

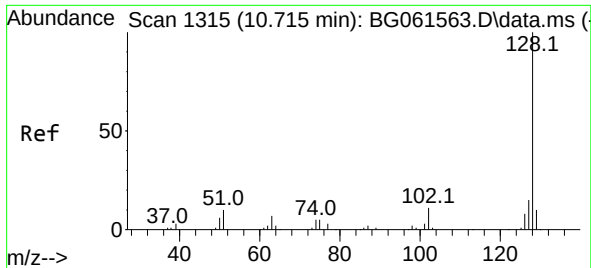
Instrument :
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 Supervised By :mohammad ahmed 06/10/2024

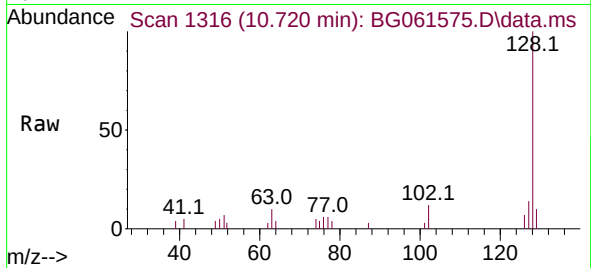
Quant Time: Jun 10 00:43:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 06 12:15:45 2024
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#30
Naphthalene
Concen: 1.512 ng/ul
RT: 10.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG061575.D
Acq: 8 Jun 2024 21:41

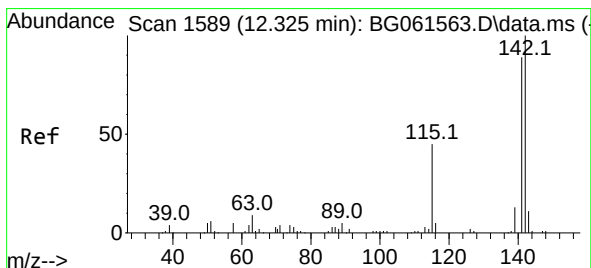
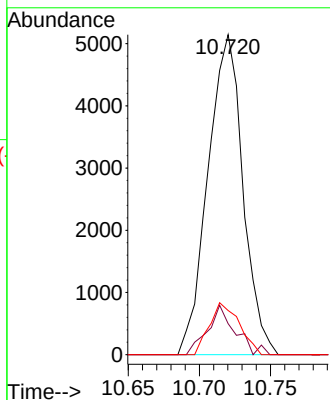
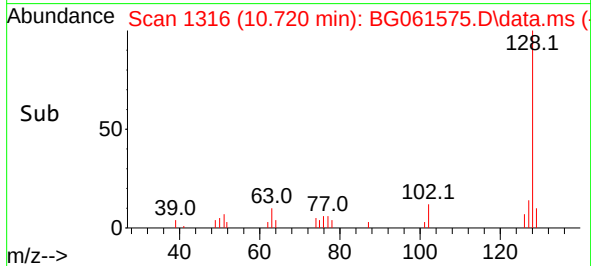
Instrument :
BNA_G
ClientSampleId :
BHBS8



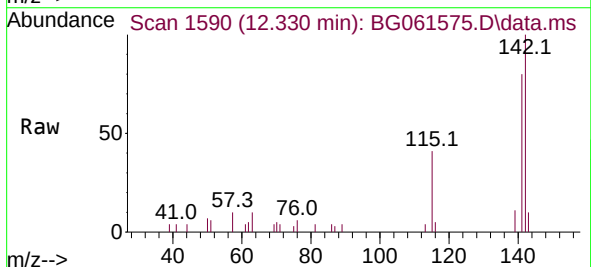
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Ion Ratio Lower Upper
128 100
129 9.7 8.6 12.8
127 13.8 10.8 16.2

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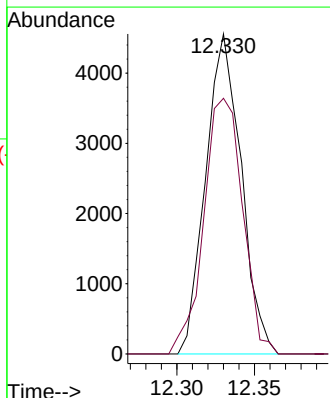
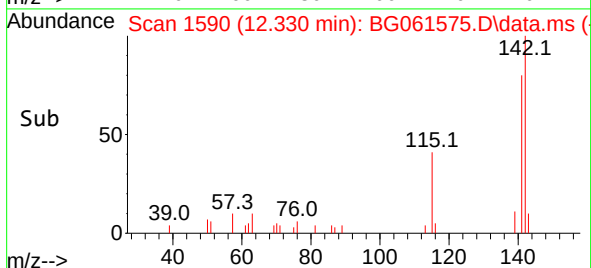
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

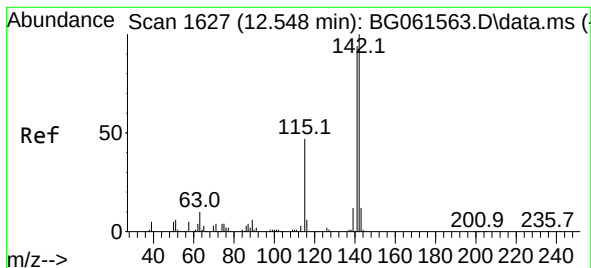


#36
2-Methylnaphthalene
Concen: 1.716 ng/ul
RT: 12.330 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BG061575.D
Acq: 8 Jun 2024 21:41



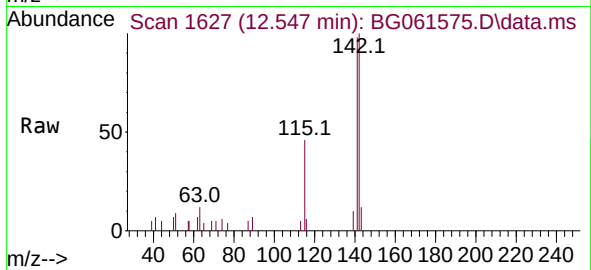
Tgt Ion:142 Resp: 7249
Ion Ratio Lower Upper
142 100
141 79.9 72.2 108.2





#37
1-Methylnaphthalene
Concen: 1.633 ng/ul
RT: 12.547 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG061575.D
Acq: 8 Jun 2024 21:41

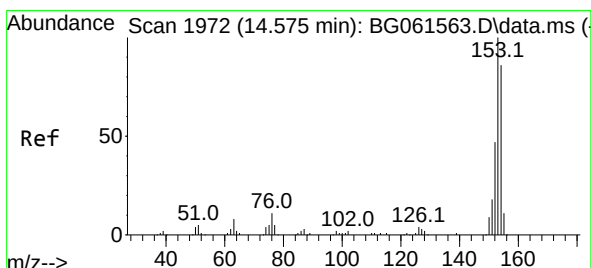
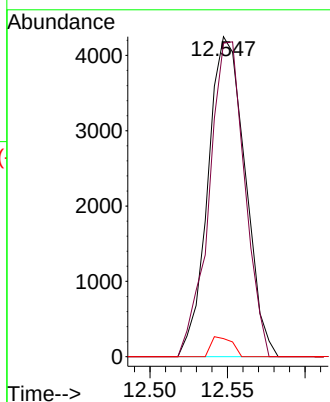
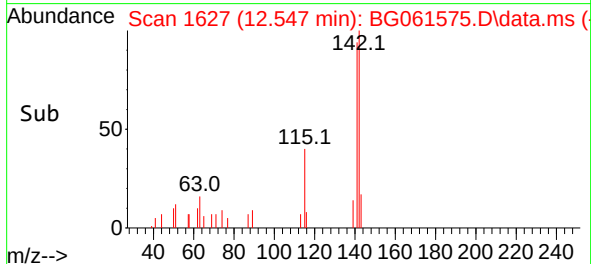
Instrument :
BNA_G
ClientSampleId :
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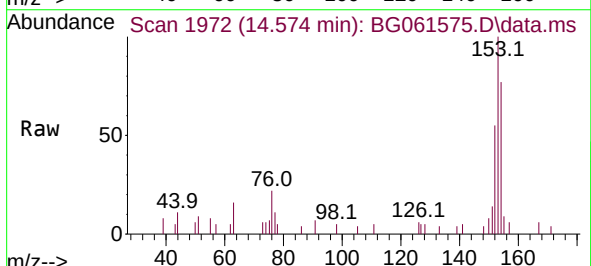
Tgt Ion:142 Resp: 7080
Ion Ratio Lower Upper
142 100
141 97.9 75.5 113.3
116 5.7 4.0 6.0

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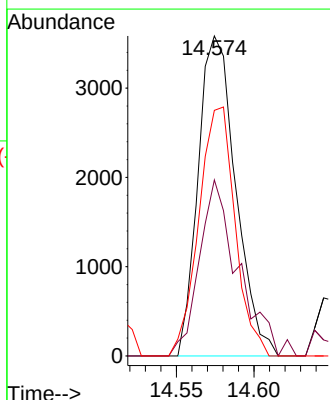
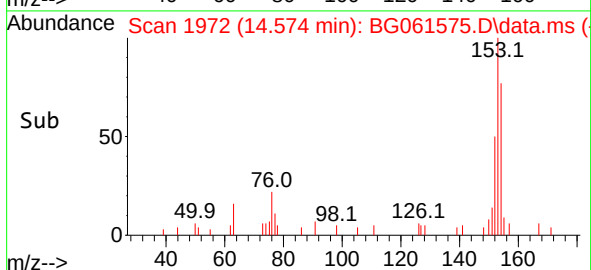
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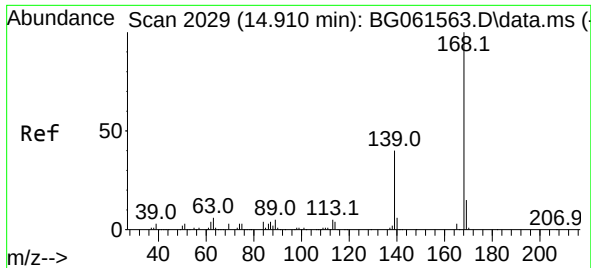


#52
Acenaphthene
Concen: 1.254 ng/ul
RT: 14.574 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BG061575.D
Acq: 8 Jun 2024 21:41



Tgt Ion:153 Resp: 6032
Ion Ratio Lower Upper
153 100
152 55.0 37.8 56.8
154 76.7 69.0 103.6





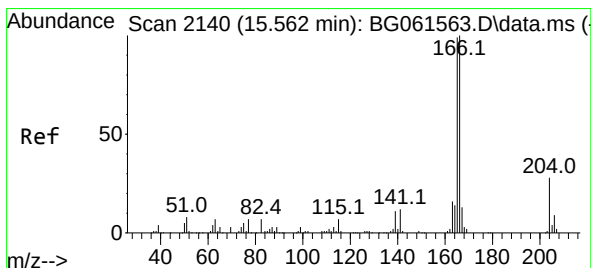
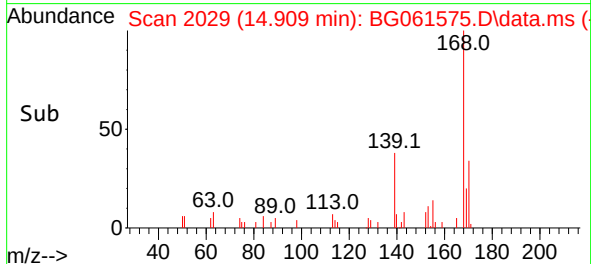
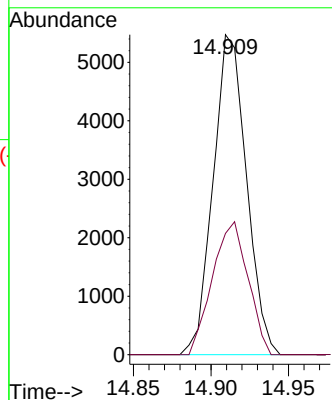
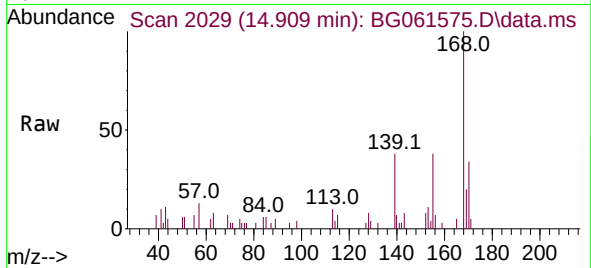
#56
Dibenzenofuran
Concen: 1.188 ng/ul
RT: 14.909 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BG061575.D
Acq: 8 Jun 2024 21:41

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:168 Resp: 817
Ion Ratio Lower Upper
168 100
139 37.9 33.4 50.2

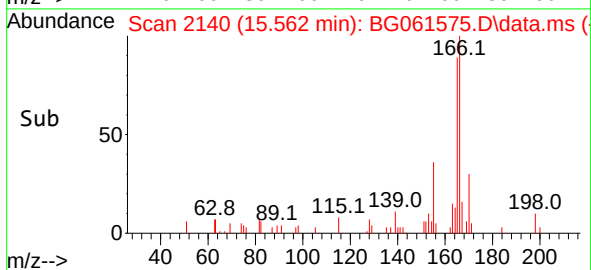
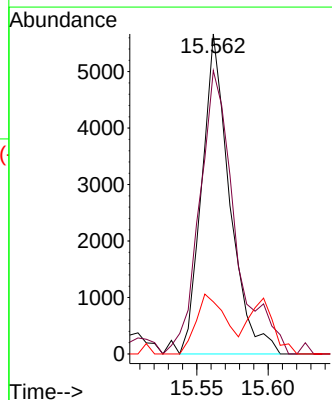
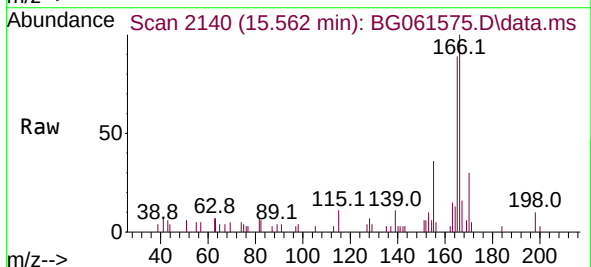
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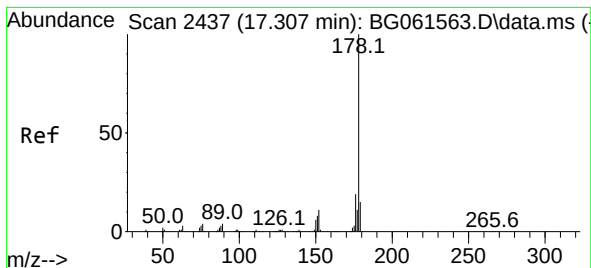
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#61
Fluorene
Concen: 1.293 ng/ul m
RT: 15.562 min Scan# 2140
Delta R.T. 0.000 min
Lab File: BG061575.D
Acq: 8 Jun 2024 21:41

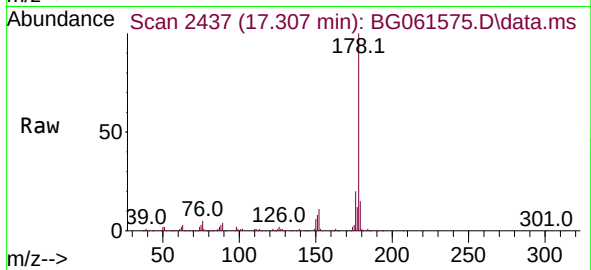
Tgt Ion:166 Resp: 7700
Ion Ratio Lower Upper
166 100
165 88.5 81.8 122.8
167 16.3 10.6 16.0#





#72
Phenanthrene
Concen: 20.589 ng/u1
RT: 17.307 min Scan# 2437
Delta R.T. 0.000 min
Lab File: BG061575.D
Acq: 8 Jun 2024 21:41

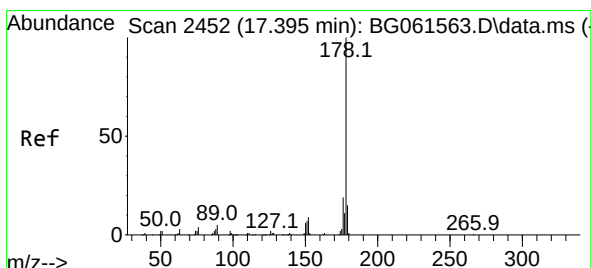
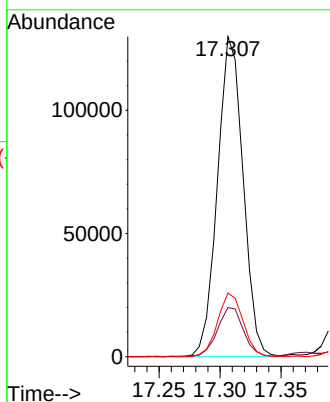
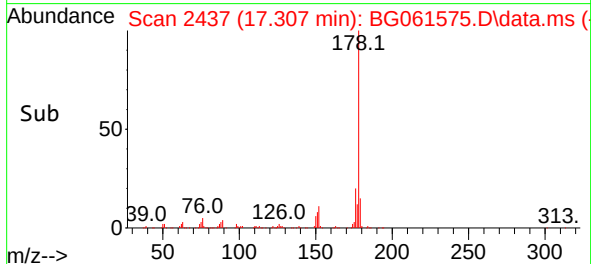
Instrument :
BNA_G
ClientSampleId :
BHBS8



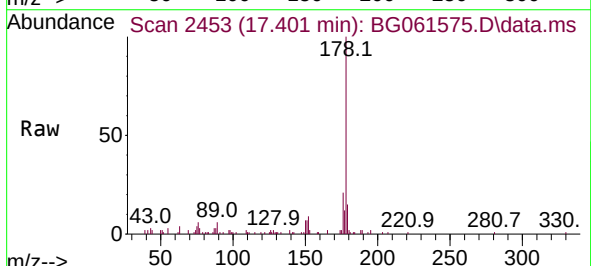
Tgt Ion:178 Resp: 190092
Ion Ratio Lower Upper
178 100
179 15.3 12.7 19.1
176 19.9 15.5 23.3

Manual Integrations
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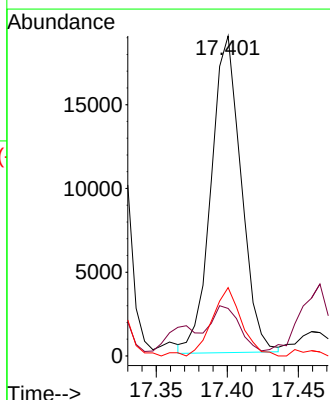
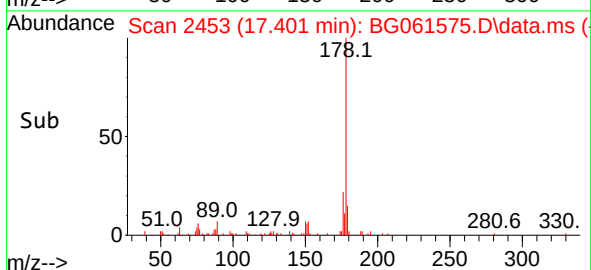
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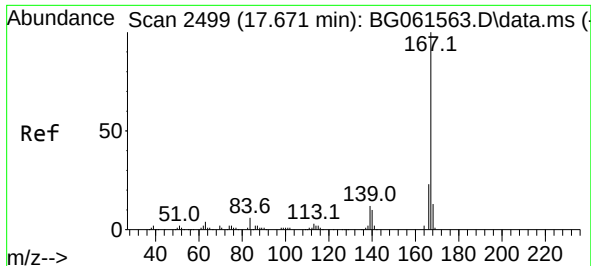


#74
Anthracene
Concen: 2.913 ng/u1
RT: 17.401 min Scan# 2453
Delta R.T. 0.006 min
Lab File: BG061575.D
Acq: 8 Jun 2024 21:41



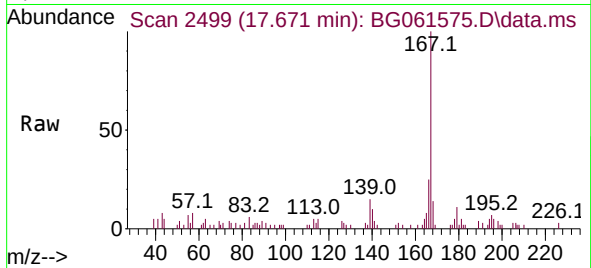
Tgt Ion:178 Resp: 27808
Ion Ratio Lower Upper
178 100
179 14.8 11.8 17.6
176 21.4 14.9 22.3





#77
 Carbazole
 Concen: 1.796 ng/ul
 RT: 17.671 min Scan# 2499
 Delta R.T. 0.000 min
 Lab File: BG061575.D
 Acq: 8 Jun 2024 21:41

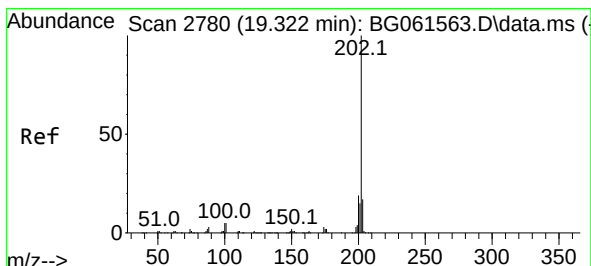
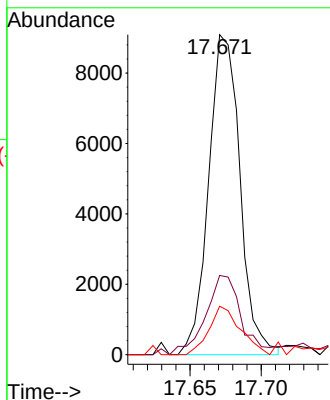
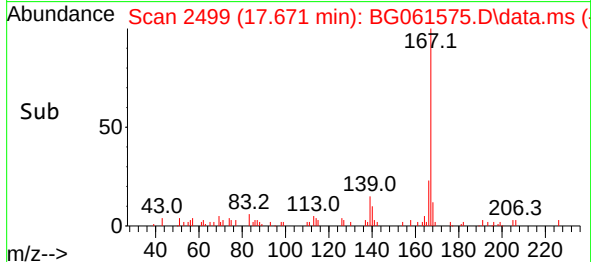
Instrument :
 BNA_G
 ClientSampleId :
 BHBS8



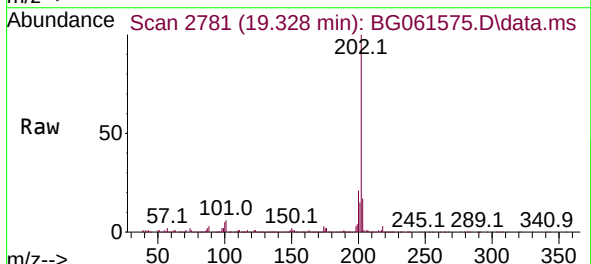
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 Ion Ratio Lower Upper
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 166 24.7 18.6 28.0
 139 15.1 10.6 15.8

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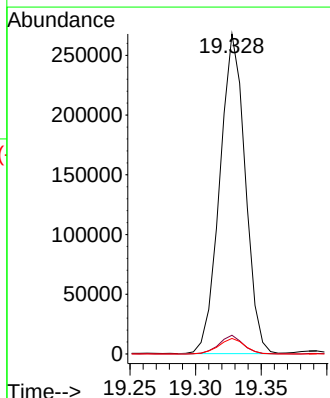
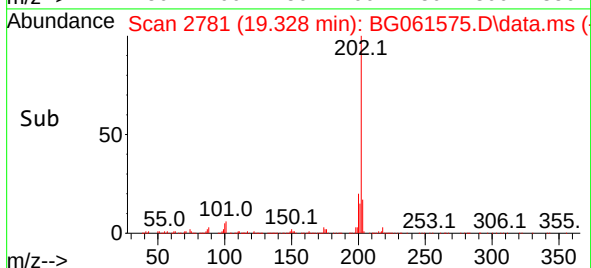
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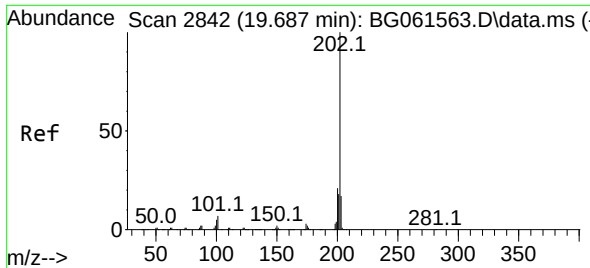


#80
 Fluoranthene
 Concen: 28.622 ng/ul
 RT: 19.328 min Scan# 2781
 Delta R.T. 0.006 min
 Lab File: BG061575.D
 Acq: 8 Jun 2024 21:41



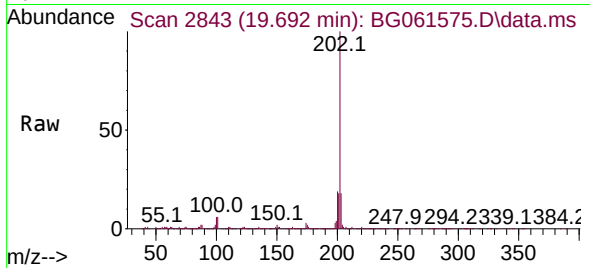
Tgt Ion:202 Resp: 360635
 Ion Ratio Lower Upper
 202 100
 101 5.8 4.8 7.2
 100 4.8 4.1 6.1





#82
 Pyrene
 Concen: 22.470 ng/ul
 RT: 19.692 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BG061575.D
 Acq: 8 Jun 2024 21:41

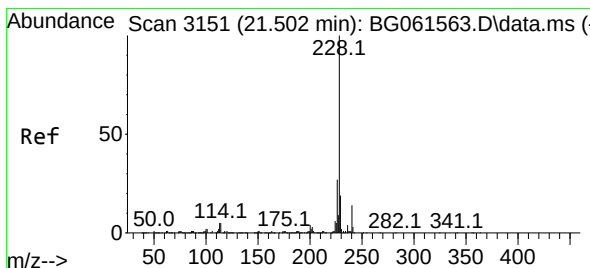
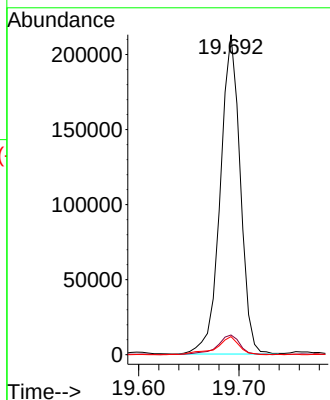
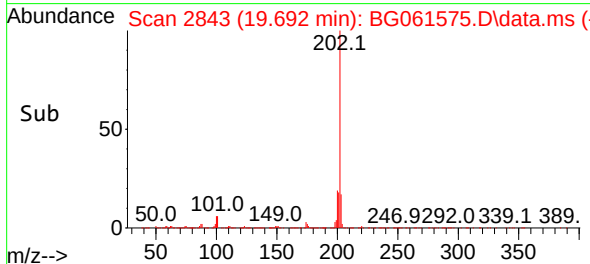
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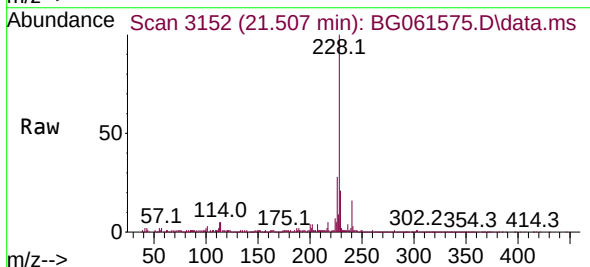
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 Ion Ratio Lower Upper
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 101 6.2 5.7 8.5
 100 5.7 5.1 7.7

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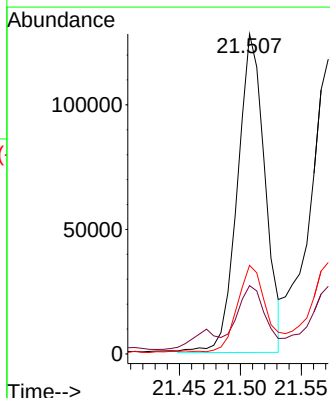
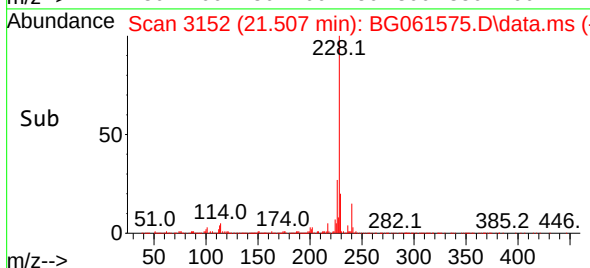
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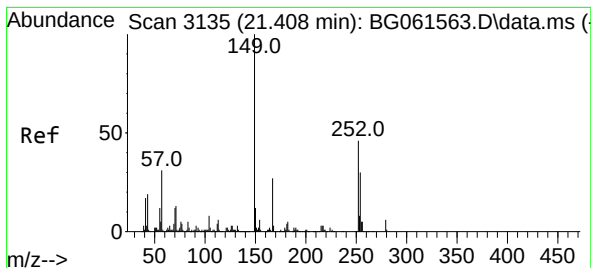


#85
 Benzo(a)anthracene
 Concen: 14.245 ng/ul
 RT: 21.507 min Scan# 3152
 Delta R.T. 0.006 min
 Lab File: BG061575.D
 Acq: 8 Jun 2024 21:41



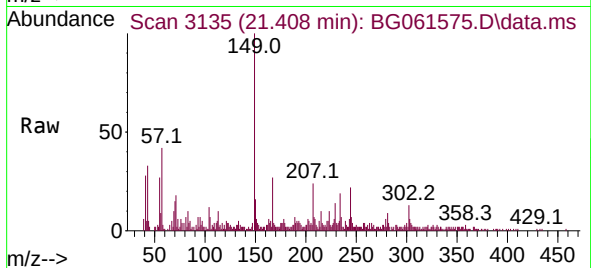
Tgt Ion:228 Resp: 201062
 Ion Ratio Lower Upper
 228 100
 229 21.4 15.2 22.8
 226 27.7 21.4 32.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 3.467 ng/ul
RT: 21.408 min Scan# 3135
Delta R.T. 0.000 min
Lab File: BG061575.D
Acq: 8 Jun 2024 21:41

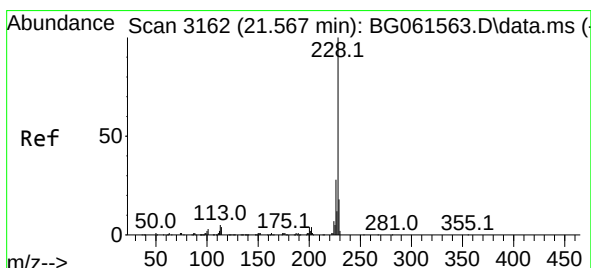
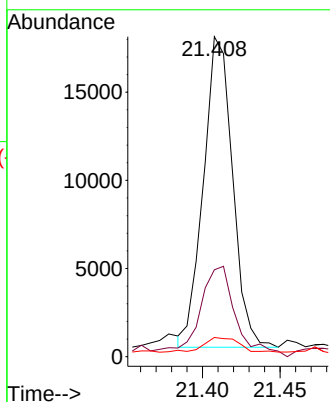
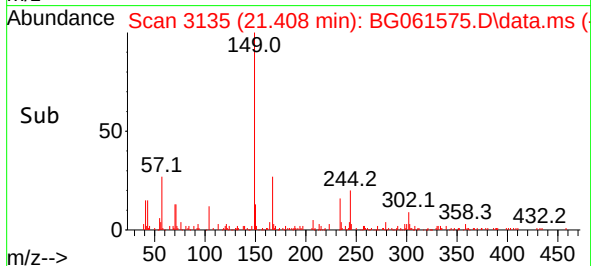
Instrument :
BNA_G
ClientSampleId :
BHBS8



Tgt Ion:149 Resp: 2305
Ion Ratio Lower Upper
149 100
167 27.1 21.1 31.7
279 6.0 3.3 4.9

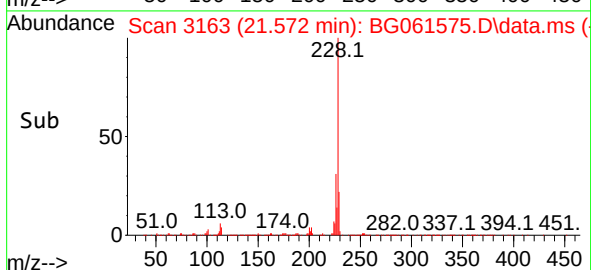
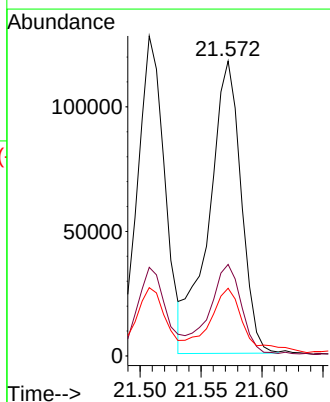
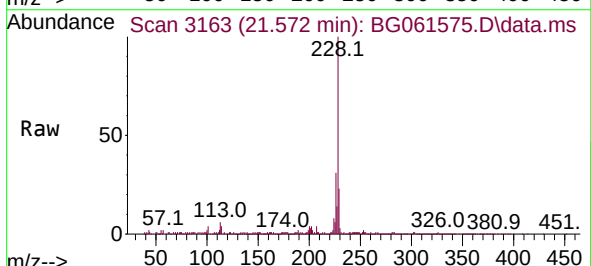
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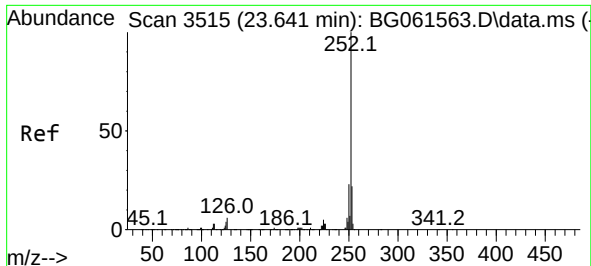
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#87
Chrysene
Concen: 16.620 ng/ul
RT: 21.572 min Scan# 3163
Delta R.T. 0.006 min
Lab File: BG061575.D
Acq: 8 Jun 2024 21:41

Tgt Ion:228 Resp: 216000
Ion Ratio Lower Upper
228 100
226 31.1 23.4 35.0
229 22.9 15.4 23.2





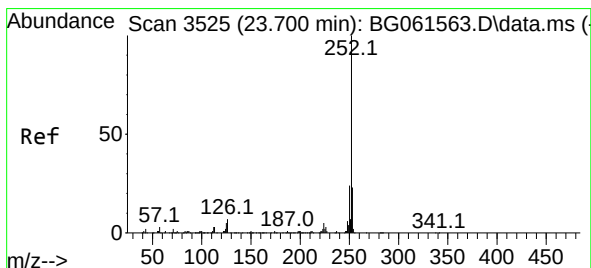
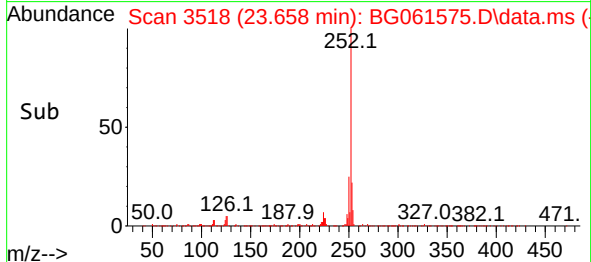
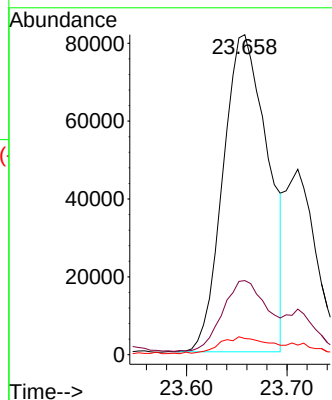
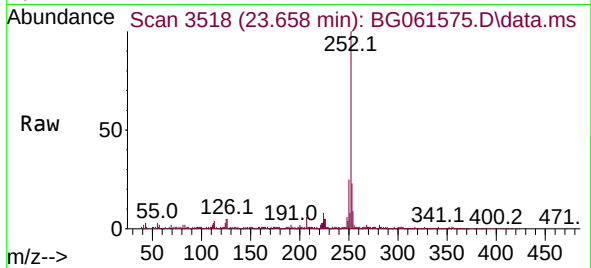
#90
Benzo(b)fluoranthene
Concen: 18.646 ng/ul
RT: 23.658 min Scan# 3515
Delta R.T. 0.024 min
Lab File: BG061575.D
Acq: 8 Jun 2024 21:41

Instrument :
BNA_G
ClientSampleId :
BHBS8

Tgt Ion:252 Resp: 253107
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 5.1 4.6 6.8

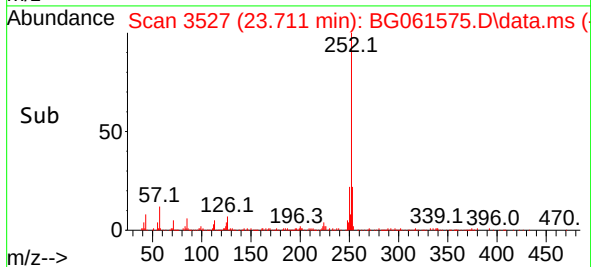
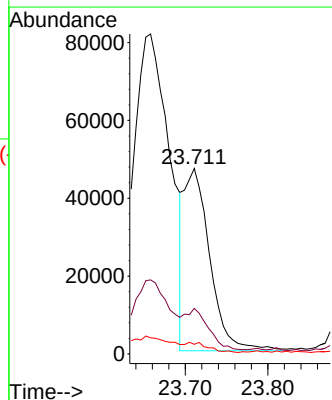
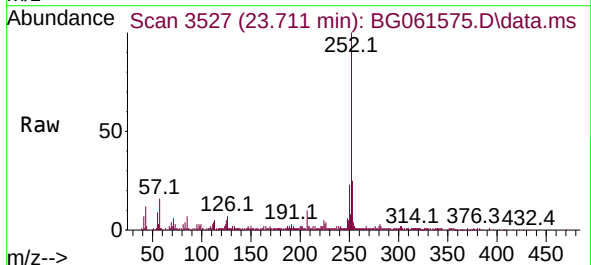
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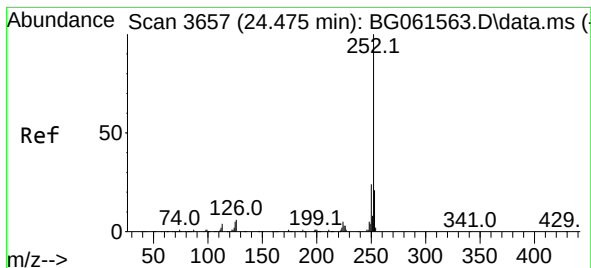
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#91
Benzo(k)fluoranthene
Concen: 7.378 ng/ul m
RT: 23.711 min Scan# 3527
Delta R.T. 0.012 min
Lab File: BG061575.D
Acq: 8 Jun 2024 21:41

Tgt Ion:252 Resp: 101677
Ion Ratio Lower Upper
252 100
253 24.6 16.0 24.0#
125 5.2 4.3 6.5





#93

Benzo(a)pyrene

Concen: 8.406 ng/ul

RT: 24.486 min Scan# 30

Delta R.T. 0.018 min

Lab File: BG061575.D

Acq: 8 Jun 2024 21:41

Instrument :

BNA_G

ClientSampleId :

BHBS8

Tgt Ion:252 Resp: 108349

Ion Ratio Lower Upper

252 100

253 24.3 16.4 24.6

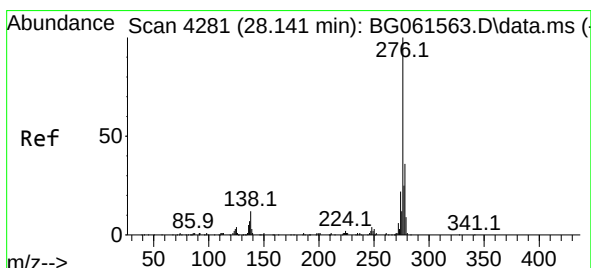
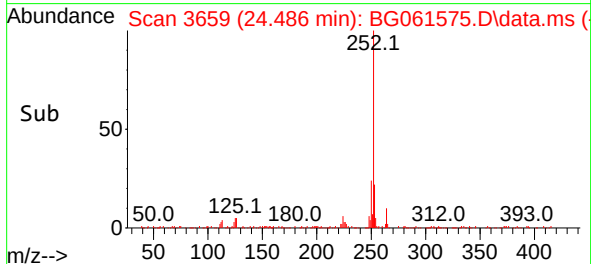
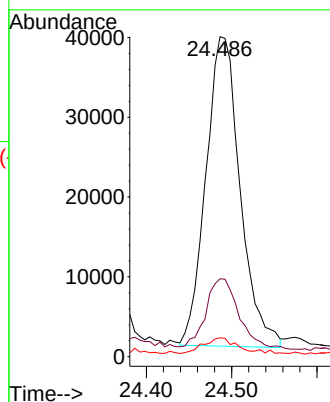
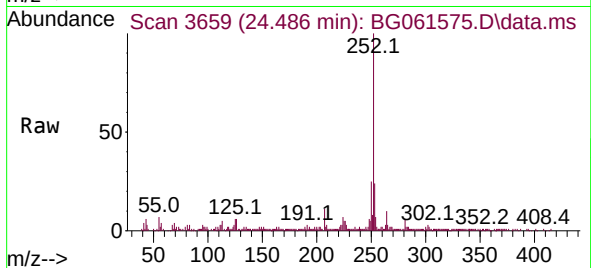
125 5.9 4.3 6.5

Manual Integrations

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Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 4.423 ng/ul m

RT: 28.164 min Scan# 4285

Delta R.T. 0.030 min

Lab File: BG061575.D

Acq: 8 Jun 2024 21:41

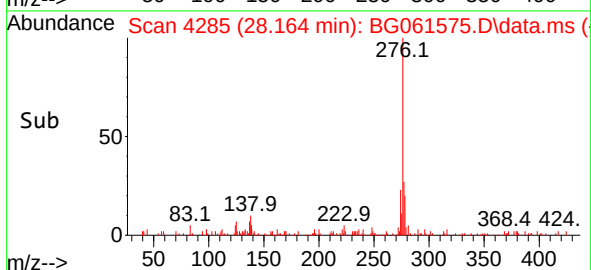
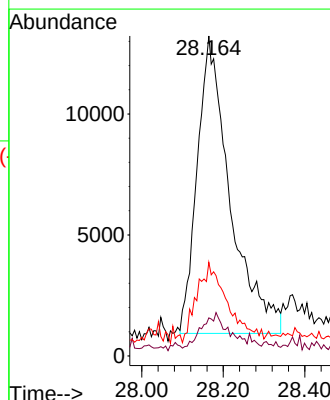
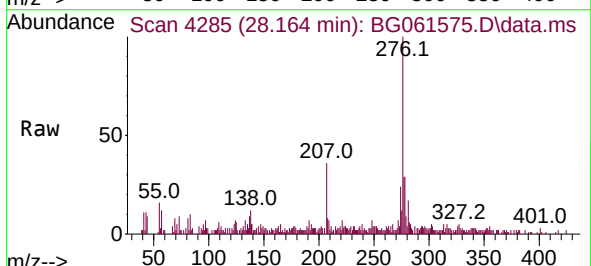
Tgt Ion:276 Resp: 68948

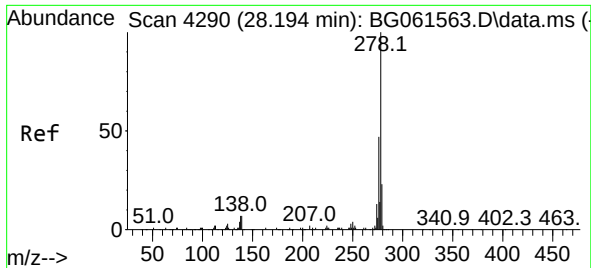
Ion Ratio Lower Upper

276 100

138 11.9 8.6 13.0

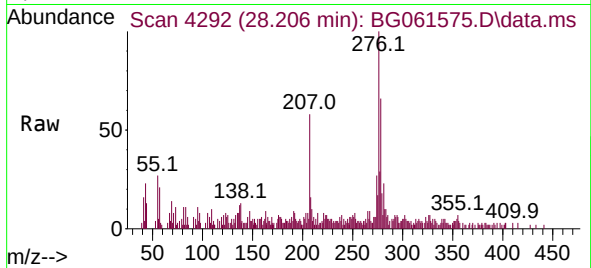
277 29.2 19.7 29.5





#95
 Dibenzo(a,h)anthracene
 Concen: 1.761 ng/ul m
 RT: 28.206 min Scan# 4292
 Delta R.T. 0.035 min
 Lab File: BG061575.D
 Acq: 8 Jun 2024 21:41

Instrument :
 BNA_G
 ClientSampleId :
 BHBS8



Tgt Ion:278 Resp: 2263
 Ion Ratio Lower Upper
 278 100
 139 6.0 6.4 9.6
 279 27.2 19.9 29.9

Manual Integrations
 APPROVED

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

