

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121224\
 Data File : BG063662.D
 Acq On : 12 Dec 2024 11:26
 Operator : RC/JU
 Sample : P5153-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E28P3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/13/2024
 Supervised By :mohammad ahmed 12/13/2024

Quant Time: Dec 12 12:34:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:59:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.812	152	194333	20.000	ng/u1	0.00
20) Naphthalene-d8	10.602	136	777369	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.451	164	534947	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.206	188	1101332	20.000	ng/u1	0.00
79) Chrysene-d12	21.466	240	1073951	20.000	ng/u1	0.00
88) Perylene-d12	24.492	264	1250602	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.282	96	22391	4.515	ng/uL	0.00
4) Pyridine-d5	3.687	84	332891	21.280	ng/u1	0.00
7) Phenol-d5	6.995	99	453891	25.360	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.148	67	316029	25.566	ng/u1	0.00
11) 2-Chlorophenol-d4	7.353	132	295013	25.460	ng/u1	0.00
15) 4-Methylphenol-d8	8.523	113	341905	24.605	ng/u1	0.00
21) Nitrobenzene-d5	8.969	128	153620	27.677	ng/u1	0.00
24) 2-Nitrophenol-d4	9.686	143	152119	24.449	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.232	165	295375	24.521	ng/u1	0.00
31) 4-Chloroaniline-d4	10.738	131	340026	22.231	ng/u1	0.00
46) Dimethylphthalate-d6	13.857	166	978267	26.875	ng/u1	0.00
49) Acenaphthylene-d8	14.140	160	1189491	28.666	ng/u1	0.00
54) 4-Nitrophenol-d4	14.680	143	37622	7.295	ng/u1	0.00
60) Fluorene-d10	15.444	176	861759	26.776	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.585	200	10863	1.900	ng/u1	0.00
73) Anthracene-d10	17.306	188	1369492	28.923	ng/u1	0.00
81) Pyrene-d10	19.604	212	1450311	25.951	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.292	264	1565532	26.657	ng/u1	0.02
Target Compounds					Qvalue	
8) Phenol	7.018	94	27105	1.421	ng/u1	95
30) Naphthalene	10.649	128	682560	17.562	ng/u1	98
36) 2-Methylnaphthalene	12.265	142	529683	18.962	ng/u1	97
37) 1-Methylnaphthalene	12.483	142	397953	13.986	ng/u1	99
43) 1,1'-Biphenyl	13.282	154	99005	2.806	ng/u1#	92
52) Acenaphthene	14.516	153	861833	27.329	ng/u1	99
56) Dibenzofuran	14.850	168	709624	15.961	ng/u1	98
61) Fluorene	15.503	166	769990	21.689	ng/u1	96
72) Phenanthrene	17.253	178	6870532m	129.455	ng/u1	
74) Anthracene	17.342	178	2592561	48.263	ng/u1	98
77) Carbazole	17.606	167	1013460	23.307	ng/u1	99
78) Di-n-butylphthalate	18.170	149	71856	1.368	ng/u1	97
80) Fluoranthene	19.286	202	9868614	155.364	ng/u1#	68
82) Pyrene	19.645	202	9563438	141.513	ng/u1#	64
85) Benzo(a)anthracene	21.449	228	7571711	112.498	ng/u1#	67
86) Bis(2-ethylhexyl)phtha...	21.349	149	44683	1.481	ng/u1#	95
87) Chrysene	21.513	228	7740000	120.658	ng/u1#	65
90) Benzo(b)fluoranthene	23.558	252	10997603	154.725	ng/u1#	88
91) Benzo(k)fluoranthene	23.605	252	4602602m	64.916	ng/u1	
93) Benzo(a)pyrene	24.369	252	8545098	128.081	ng/u1#	89
94) Indeno(1,2,3-cd)pyrene	27.935	276	6314503	77.501	ng/u1	98
95) Dibenzo(a,h)anthracene	27.953	278	1543911	23.682	ng/u1#	91
96) Benzo(g,h,i)perylene	29.004	276	6325571	97.838	ng/u1	97

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

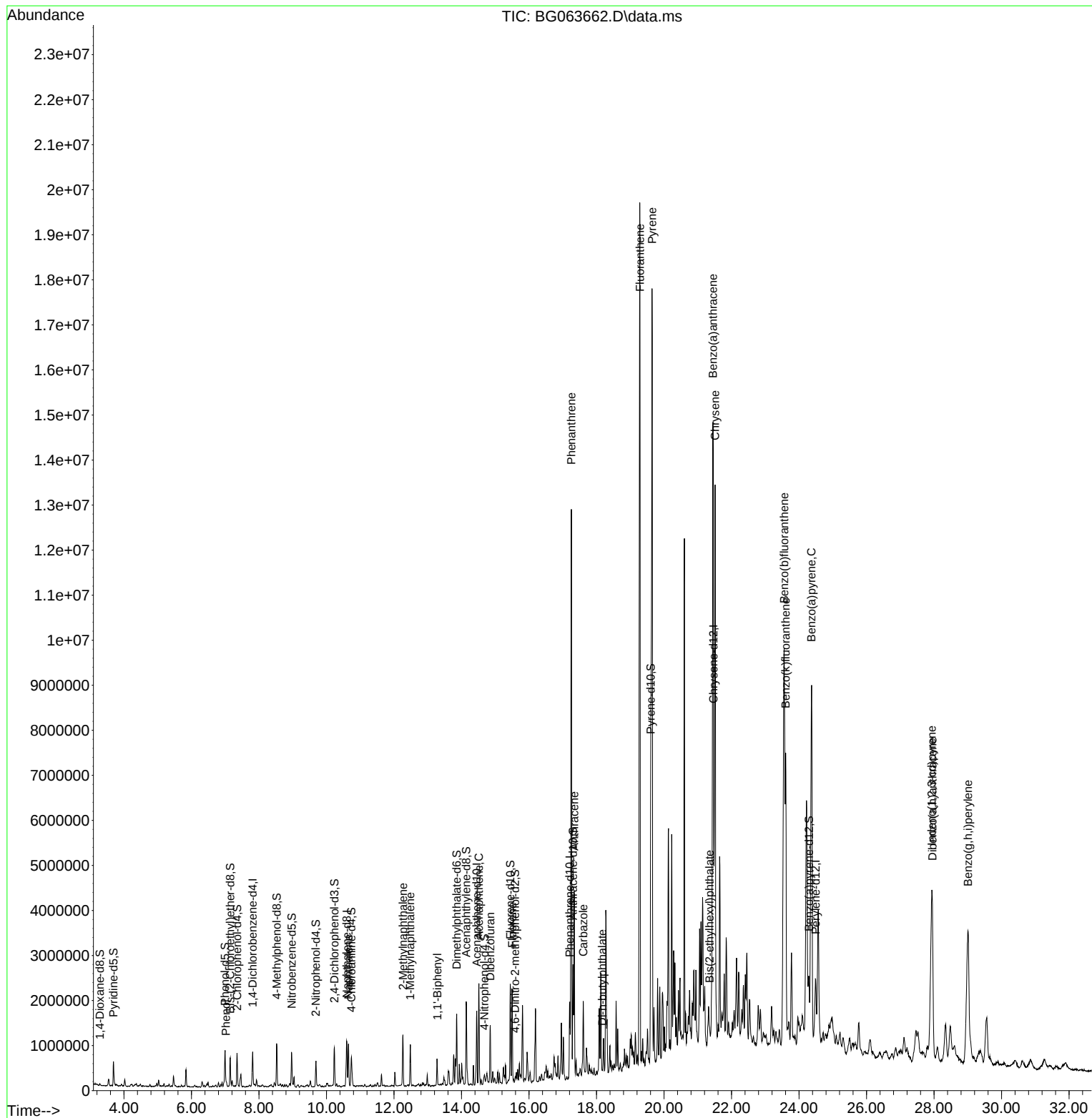
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121224\
Data File : BG063662.D
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Operator : RC/JU
Sample : P5153-05
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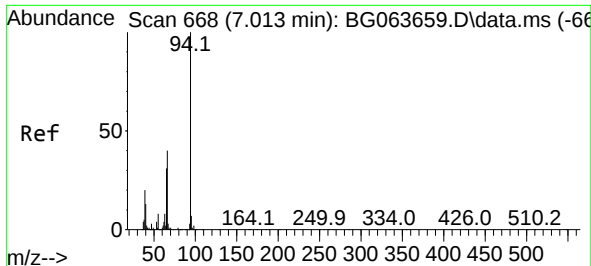
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Quant Title : SVOA CALIBRATION
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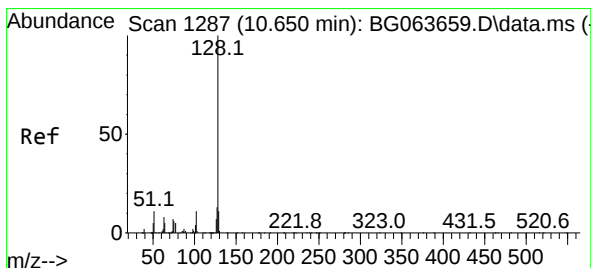
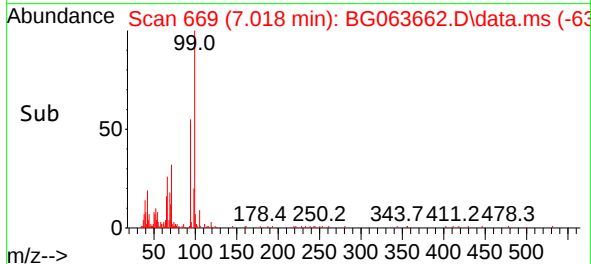
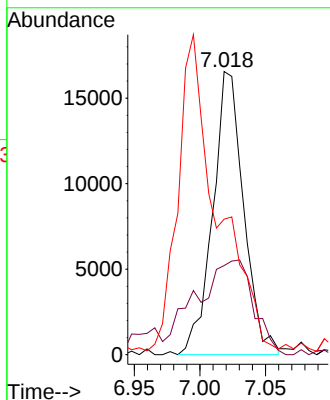
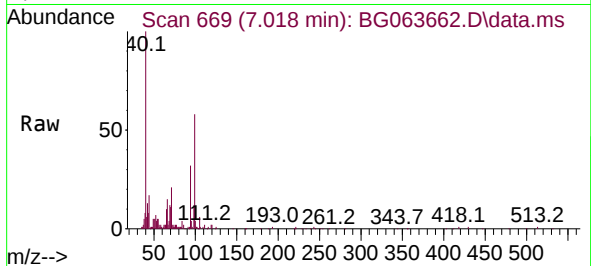
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Phenol
Concen: 1.421 ng/ul
RT: 7.018 min Scan# 668
Delta R.T. -0.000 min
Lab File: BG063662.D
Acq: 12 Dec 2024 11:26

Instrument :
BNA_G
ClientSampleId :
E28P3

Tgt Ion: 94 Resp: 2710
Ion Ratio Lower Upper
94 100
65 31.5 25.6 38.4
66 47.8 34.2 51.2

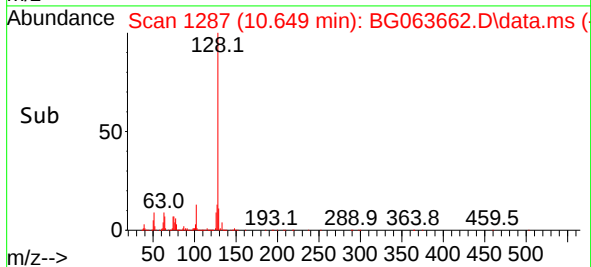
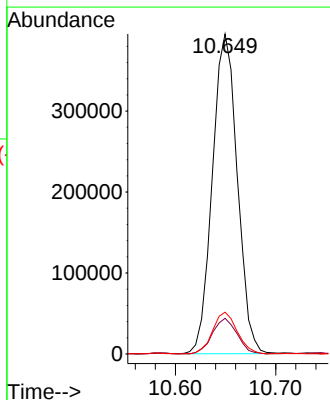
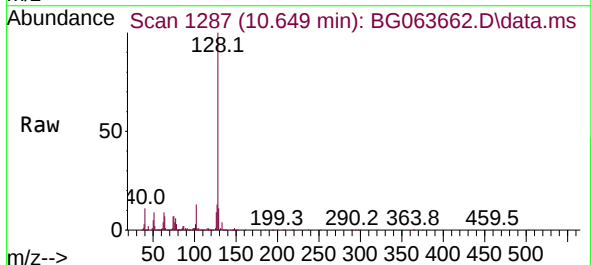
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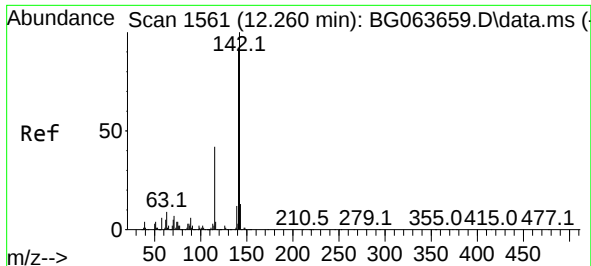
Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



#30
Naphthalene
Concen: 17.562 ng/ul
RT: 10.649 min Scan# 1287
Delta R.T. -0.000 min
Lab File: BG063662.D
Acq: 12 Dec 2024 11:26

Tgt Ion:128 Resp: 682560
Ion Ratio Lower Upper
128 100
129 11.2 8.2 12.2
127 13.1 9.8 14.8





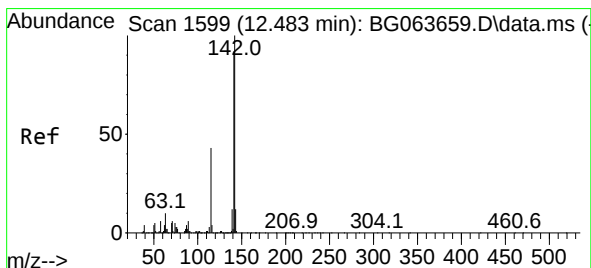
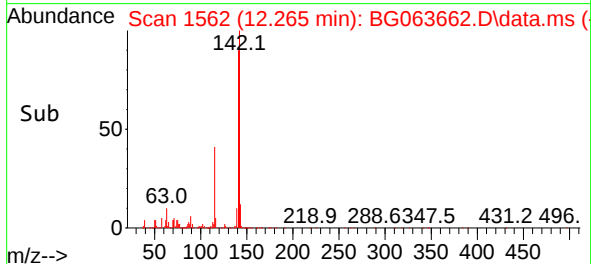
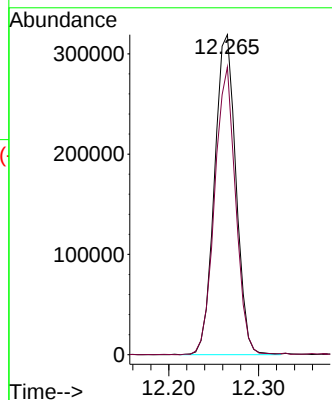
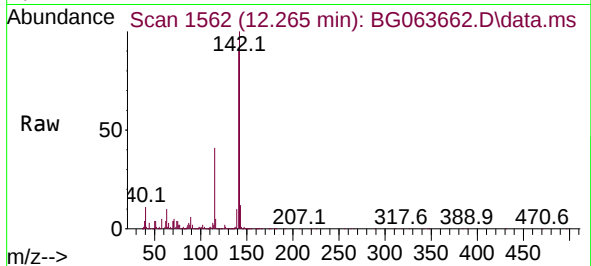
#36
2-Methylnaphthalene
Concen: 18.962 ng/ul
RT: 12.265 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BG063662.D
Acq: 12 Dec 2024 11:26

Instrument :
BNA_G
ClientSampleId :
E28P3

Tgt Ion:142 Resp: 52968
Ion Ratio Lower Upper
142 100
141 89.9 69.5 104.3

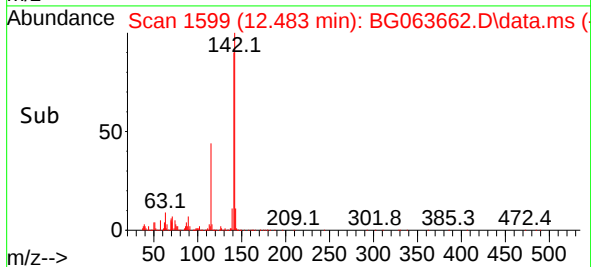
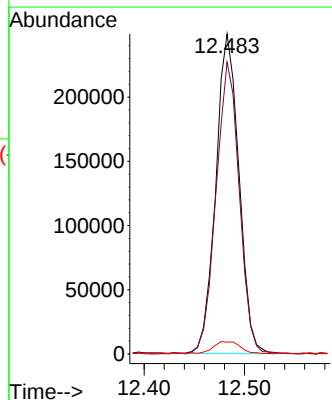
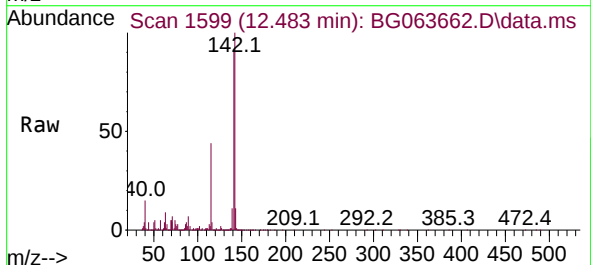
Manual Integrations
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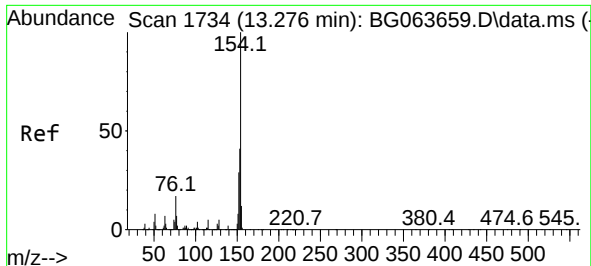
Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



#37
1-Methylnaphthalene
Concen: 13.986 ng/ul
RT: 12.483 min Scan# 1599
Delta R.T. -0.006 min
Lab File: BG063662.D
Acq: 12 Dec 2024 11:26

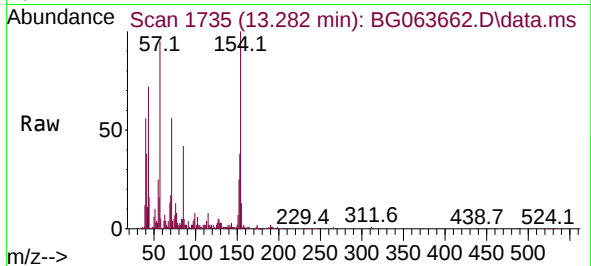
Tgt Ion:142 Resp: 397953
Ion Ratio Lower Upper
142 100
141 91.2 73.8 110.6
116 3.7 3.5 5.3





#43
1,1'-Biphenyl
Concen: 2.806 ng/ul
RT: 13.282 min Scan# 1735
Delta R.T. -0.000 min
Lab File: BG063662.D
Acq: 12 Dec 2024 11:26

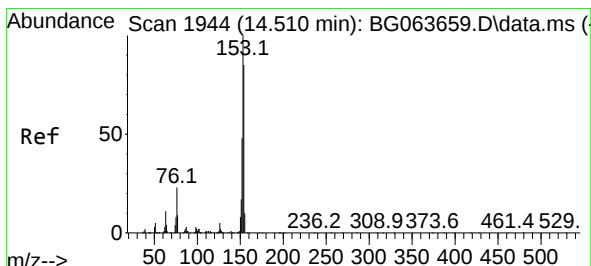
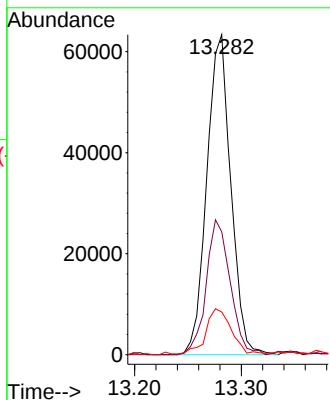
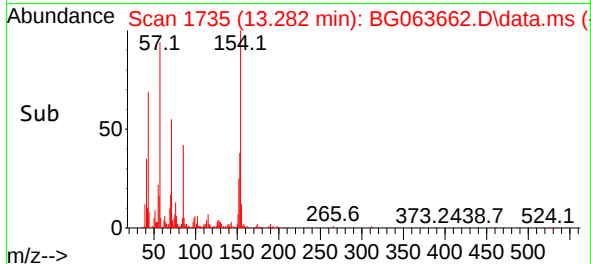
Instrument :
BNA_G
ClientSampleId :
E28P3



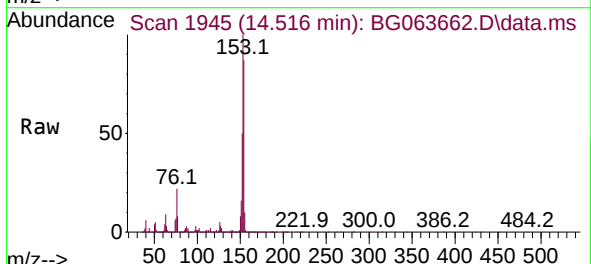
Tgt Ion:154 Resp: 99000
Ion Ratio Lower Upper
154 100
153 38.4 35.1 52.7
76 13.4 13.4 20.2

Manual Integrations
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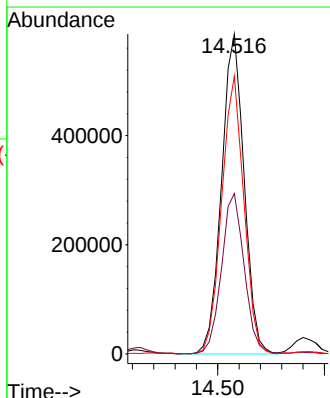
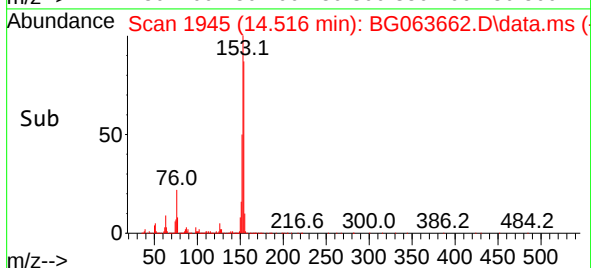
Reviewed By :Yogesh Patel 12/13/2024
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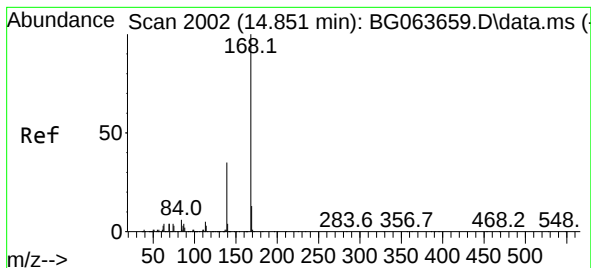


#52
Acenaphthene
Concen: 27.329 ng/ul
RT: 14.516 min Scan# 1945
Delta R.T. -0.000 min
Lab File: BG063662.D
Acq: 12 Dec 2024 11:26



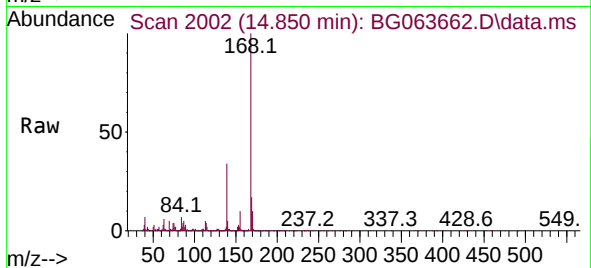
Tgt Ion:153 Resp: 861833
Ion Ratio Lower Upper
153 100
152 50.1 40.2 60.4
154 86.8 70.8 106.2





#56
Dibenzenofuran
Concen: 15.961 ng/ul
RT: 14.850 min Scan# 2002
Delta R.T. -0.000 min
Lab File: BG063662.D
Acq: 12 Dec 2024 11:26

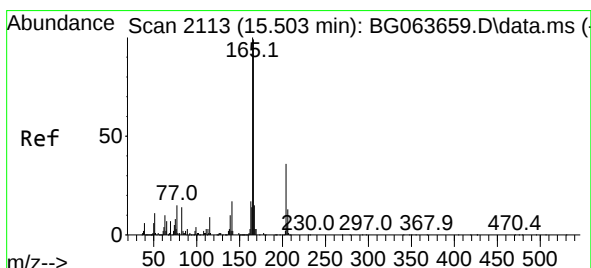
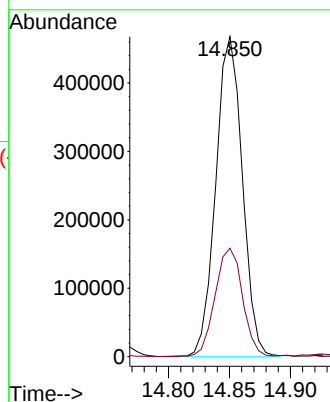
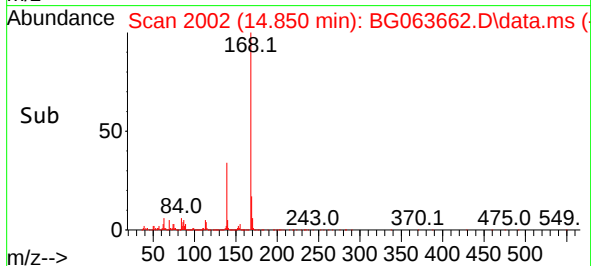
Instrument :
BNA_G
ClientSampleId :
E28P3



Tgt Ion:168 Resp: 709624
Ion Ratio Lower Upper
168 100
139 33.9 27.8 41.8

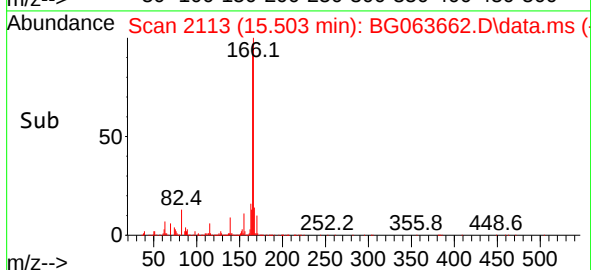
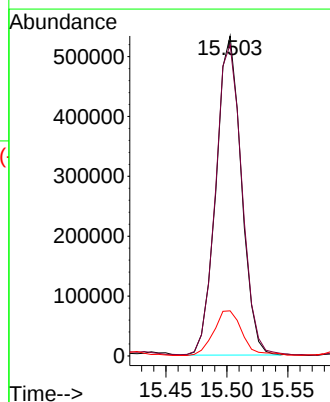
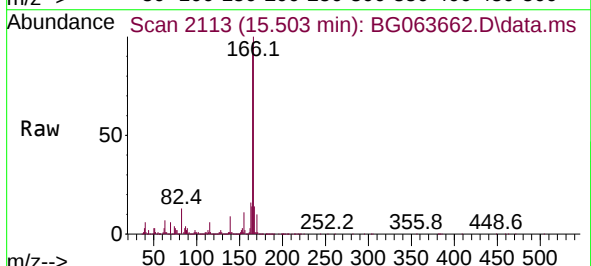
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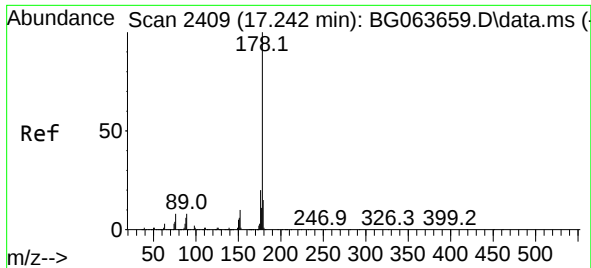
Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



#61
Fluorene
Concen: 21.689 ng/ul
RT: 15.503 min Scan# 2113
Delta R.T. -0.000 min
Lab File: BG063662.D
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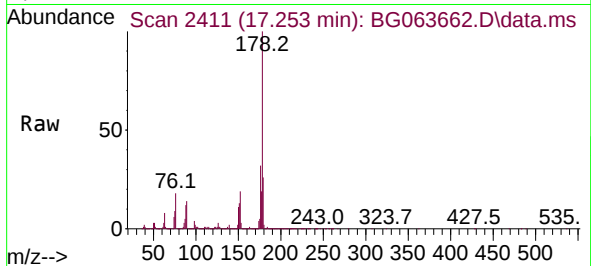
Tgt Ion:166 Resp: 769990
Ion Ratio Lower Upper
166 100
165 97.2 81.9 122.9
167 14.1 11.4 17.0





#72
Phenanthrene
Concen: 129.455 ng/ul m
RT: 17.253 min Scan# 2411
Delta R.T. 0.006 min
Lab File: BG063662.D
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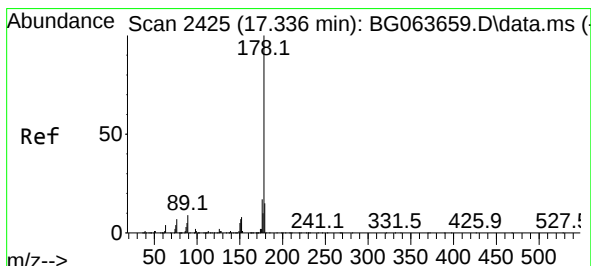
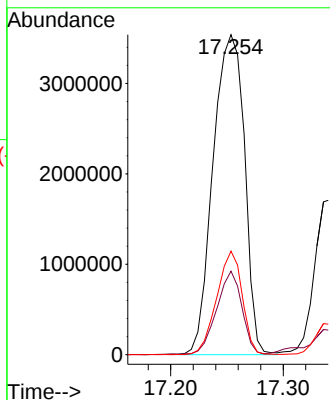
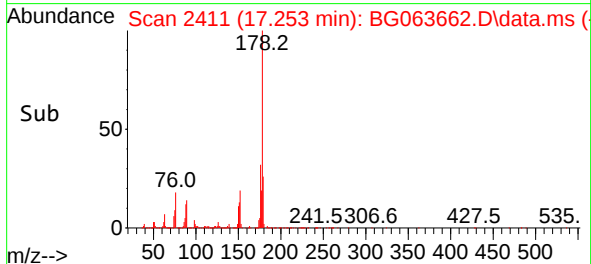
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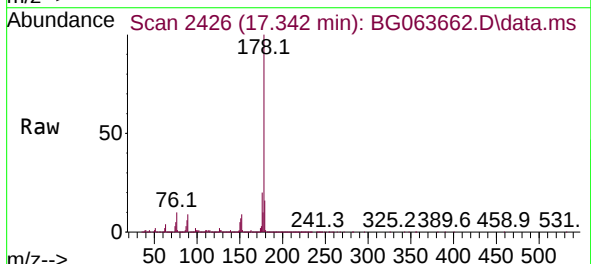
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Ion Ratio Lower Upper
178 100
179 26.1 12.2 18.2
176 32.3 15.8 23.6

Manual Integrations
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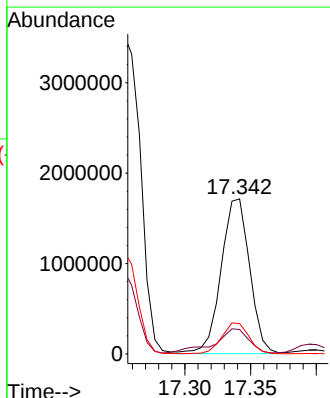
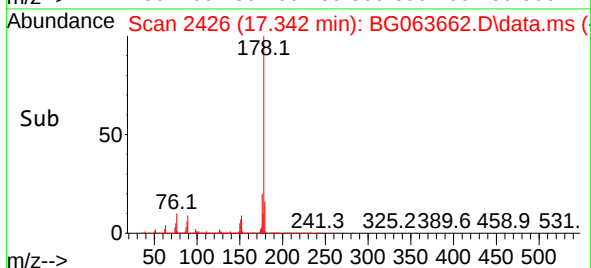
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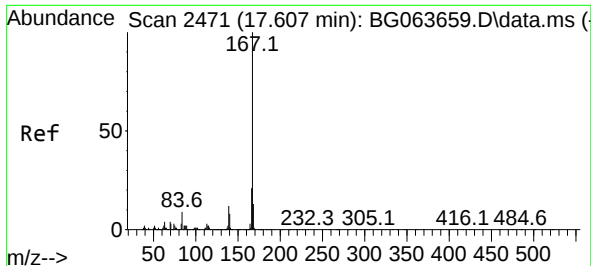


#74
Anthracene
Concen: 48.263 ng/ul
RT: 17.342 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BG063662.D
Acq: 12 Dec 2024 11:26



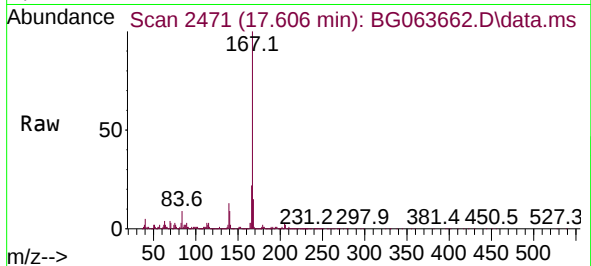
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Ion Ratio Lower Upper
178 100
179 15.8 12.4 18.6
176 19.6 14.4 21.6





#77
 Carbazole
 Concen: 23.307 ng/ul
 RT: 17.606 min Scan# 2471
 Delta R.T. -0.006 min
 Lab File: BG063662.D
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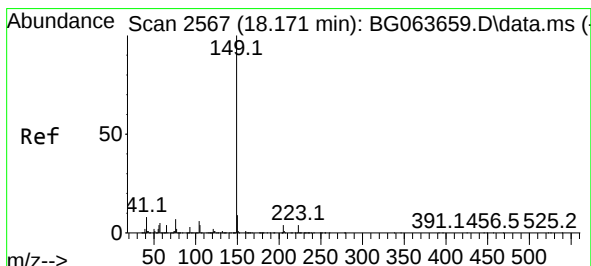
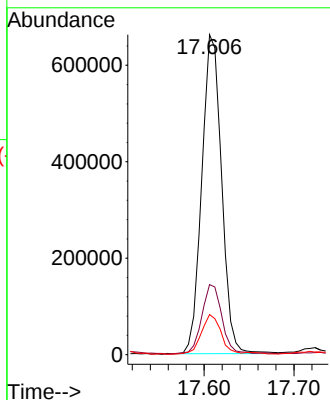
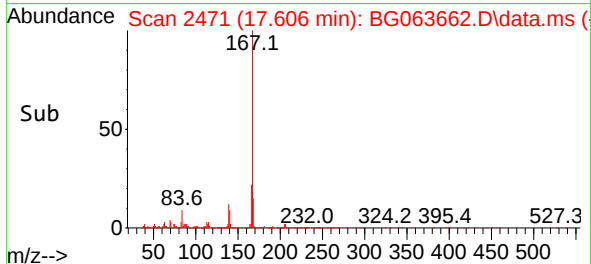
Instrument :
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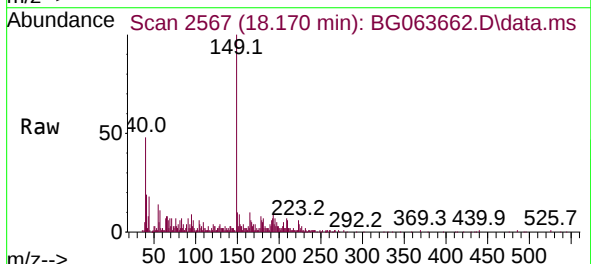
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 Ion Ratio Lower Upper
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 166 21.9 18.2 27.4
 139 12.6 10.1 15.1

Manual Integrations
 APPROVED

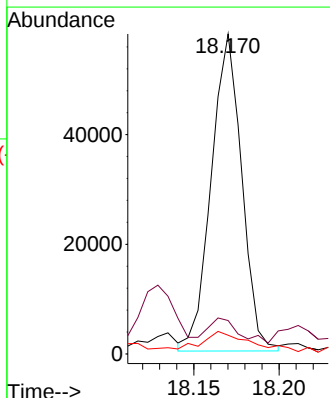
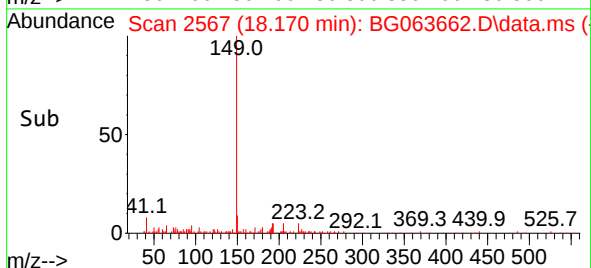
Reviewed By :Yogesh Patel 12/13/2024
 Supervised By :mohammad ahmed 12/13/2024

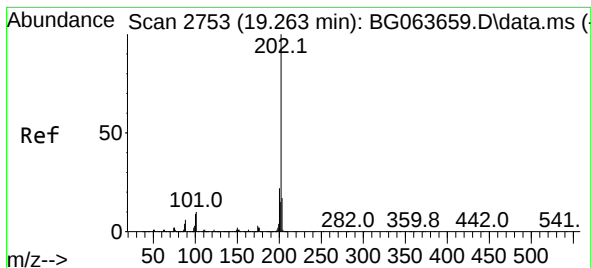


#78
 Di-n-butylphthalate
 Concen: 1.368 ng/ul
 RT: 18.170 min Scan# 2567
 Delta R.T. -0.000 min
 Lab File: BG063662.D
 Acq: 12 Dec 2024 11:26



Tgt Ion:149 Resp: 71856
 Ion Ratio Lower Upper
 149 100
 150 10.4 7.2 10.8
 104 5.9 5.4 8.0





#80

Fluoranthene

Concen: 155.364 ng/u1

RT: 19.286 min Scan# 21

Delta R.T. 0.017 min

Lab File: BG063662.D

Acq: 12 Dec 2024 11:26

Instrument :

BNA_G

ClientSampleId :

E28P3

Tgt Ion:202 Resp: 9868614

Ion Ratio Lower Upper

202 100

101 22.8 8.1 12.1#

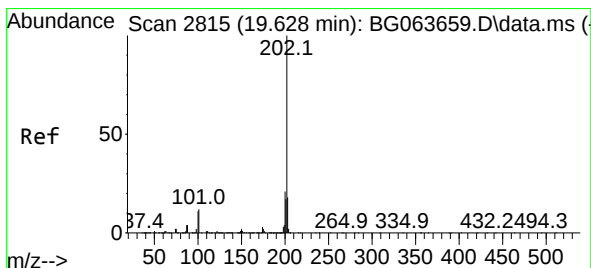
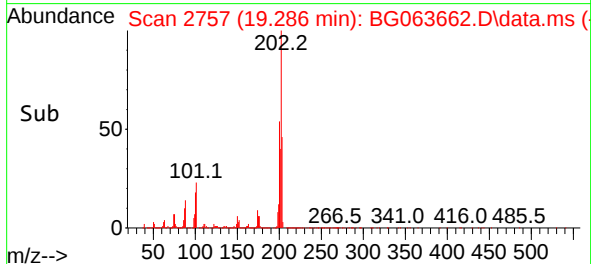
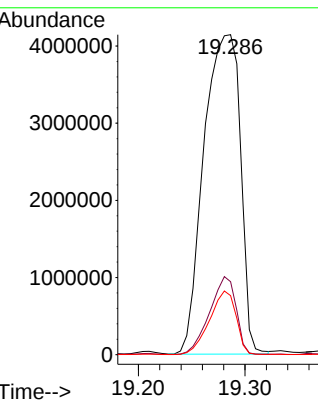
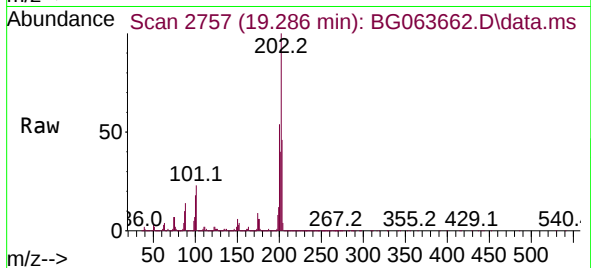
100 18.5 6.5 9.7#

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Reviewed By :Yogesh Patel 12/13/2024

Supervised By :mohammad ahmed 12/13/2024



#82

Pyrene

Concen: 141.513 ng/u1

RT: 19.645 min Scan# 2818

Delta R.T. 0.012 min

Lab File: BG063662.D

Acq: 12 Dec 2024 11:26

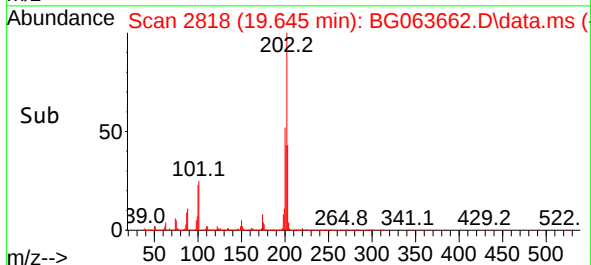
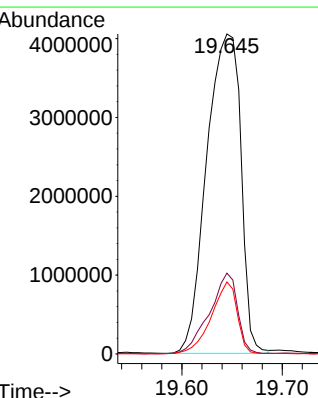
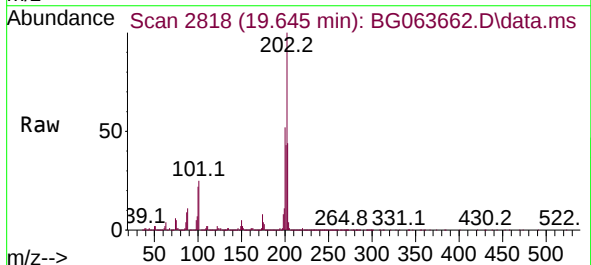
Tgt Ion:202 Resp: 9563438

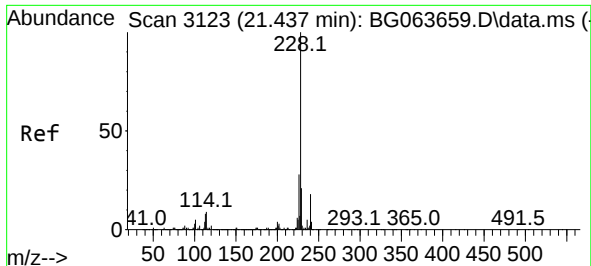
Ion Ratio Lower Upper

202 100

101 25.3 8.7 13.1#

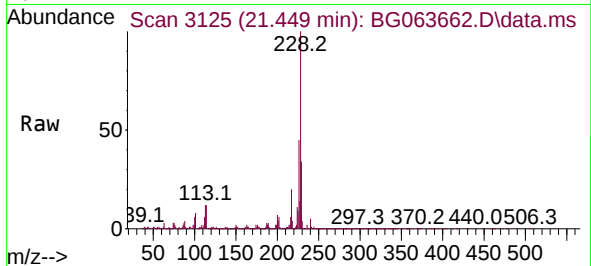
100 22.5 7.8 11.6#





#85
Benzo(a)anthracene
Concen: 112.498 ng/ul
RT: 21.449 min Scan# 3125
Delta R.T. 0.006 min
Lab File: BG063662.D
Acq: 12 Dec 2024 11:26

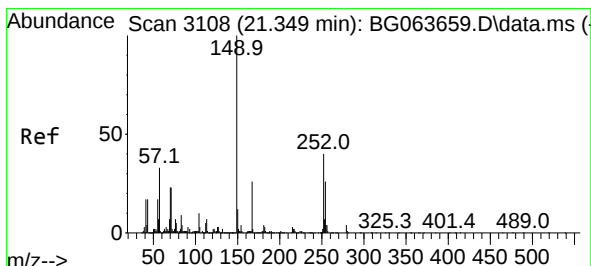
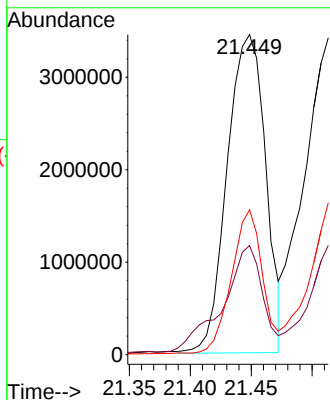
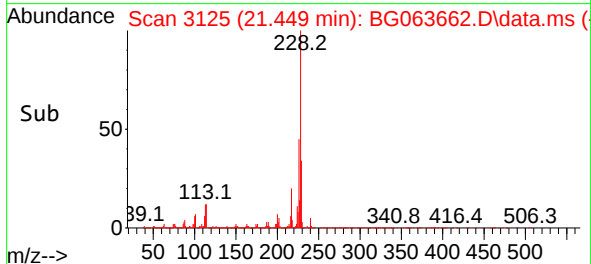
Instrument :
BNA_G
ClientSampleId :
E28P3



Tgt Ion:228 Resp: 757171
Ion Ratio Lower Upper
228 100
229 34.1 15.7 23.5
226 45.3 22.0 33.0

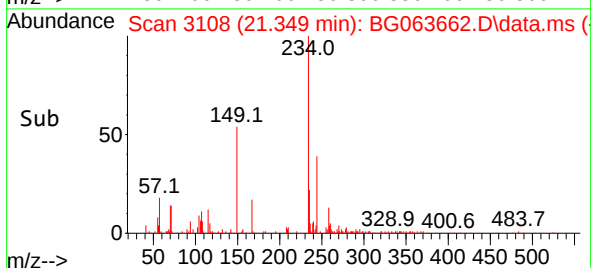
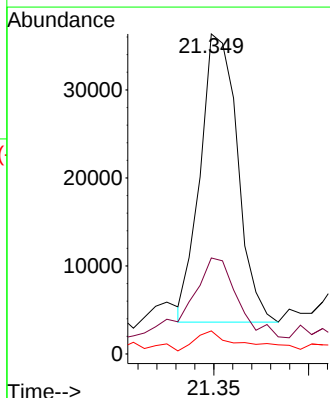
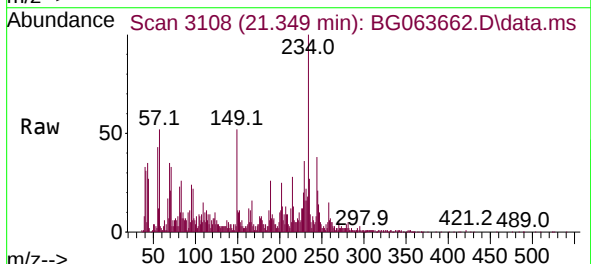
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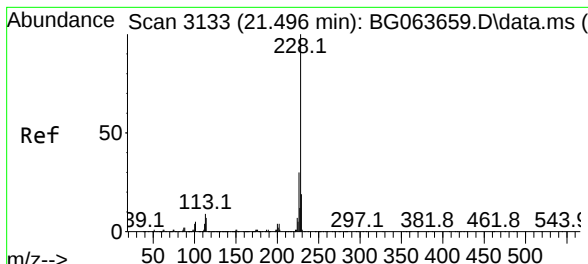
Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



#86
Bis(2-ethylhexyl)phthalate
Concen: 1.481 ng/ul
RT: 21.349 min Scan# 3108
Delta R.T. -0.006 min
Lab File: BG063662.D
Acq: 12 Dec 2024 11:26

Tgt Ion:149 Resp: 44683
Ion Ratio Lower Upper
149 100
167 30.0 22.1 33.1
279 7.2 2.9 4.3





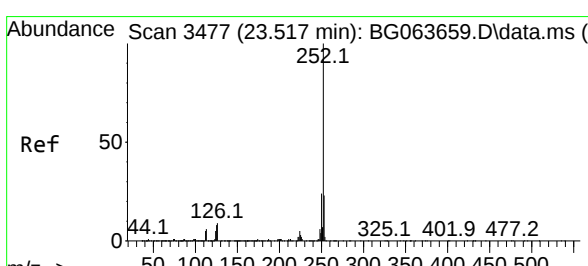
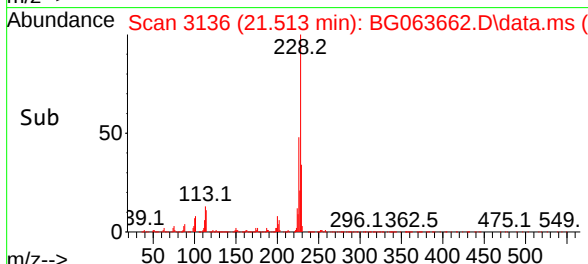
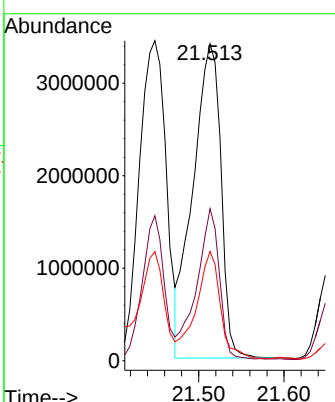
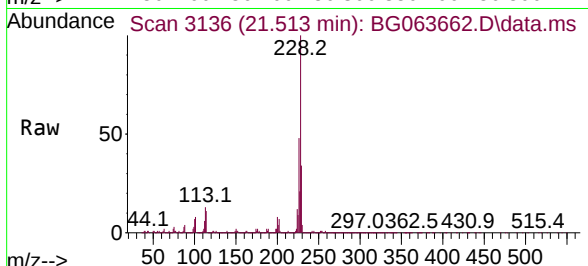
#87
 Chrysene
 Concen: 120.658 ng/u1
 RT: 21.513 min Scan# 31
 Delta R.T. 0.012 min
 Lab File: BG063662.D
 Acq: 12 Dec 2024 11:26

Instrument :
 BNA_G
 ClientSampleId :
 E28P3

Tgt Ion:228 Resp: 7740000

Ion	Ratio	Lower	Upper
228	100		
226	48.0	23.4	35.0
229	34.5	14.8	22.2

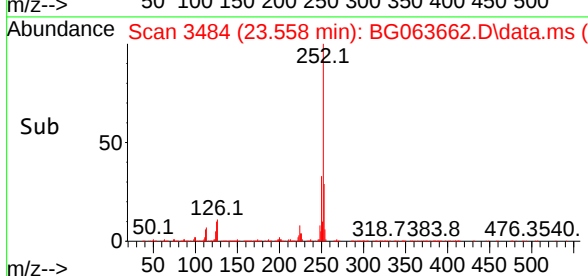
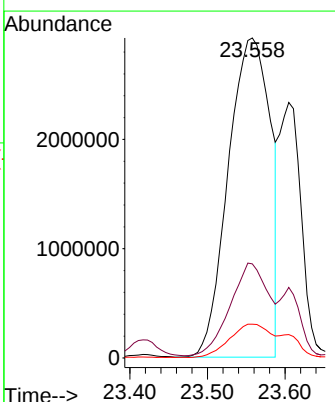
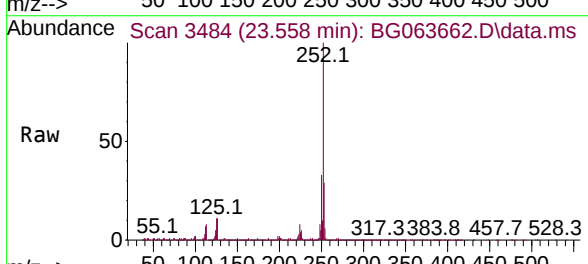
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 Supervised By :mohammad ahmed 12/13/2024

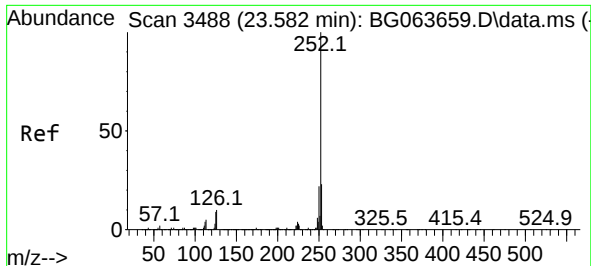


#90
 Benzo(b)fluoranthene
 Concen: 154.725 ng/u1
 RT: 23.558 min Scan# 3484
 Delta R.T. 0.035 min
 Lab File: BG063662.D
 Acq: 12 Dec 2024 11:26

Tgt Ion:252 Resp:10997603

Ion	Ratio	Lower	Upper
252	100		
253	29.4	17.7	26.5
125	10.5	7.0	10.4





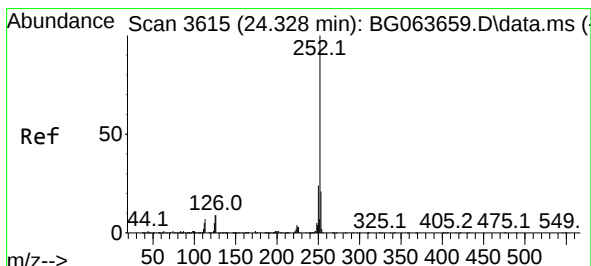
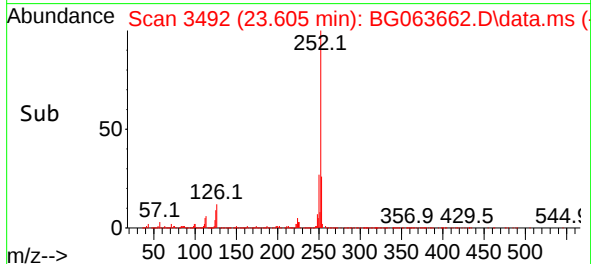
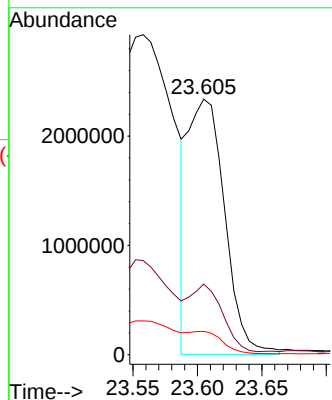
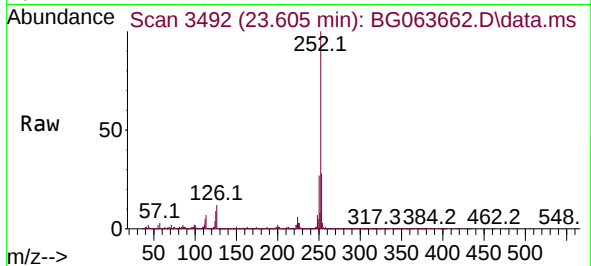
#91
Benzo(k)fluoranthene
Concen: 64.916 ng/ul m
RT: 23.605 min Scan# 3488
Delta R.T. 0.017 min
Lab File: BG063662.D
Acq: 12 Dec 2024 11:26

Instrument :
BNA_G
ClientSampleId :
E28P3

Tgt Ion:252 Resp: 460260
Ion Ratio Lower Upper
252 100
253 27.6 17.7 26.5
125 9.1 6.5 9.7

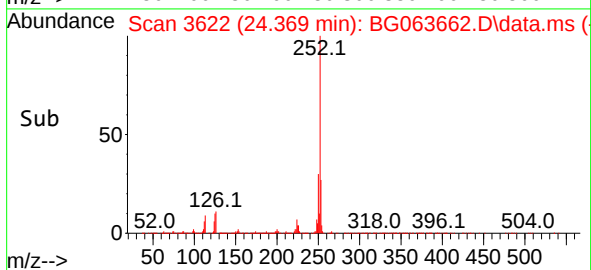
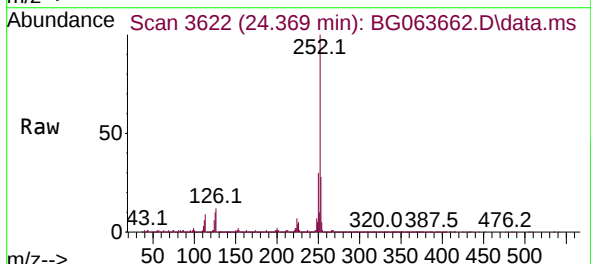
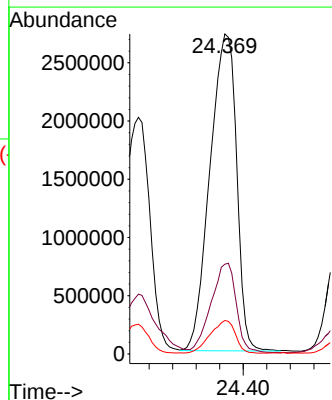
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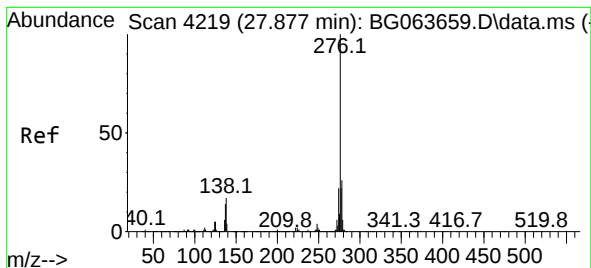
Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



#93
Benzo(a)pyrene
Concen: 128.081 ng/ul
RT: 24.369 min Scan# 3622
Delta R.T. 0.029 min
Lab File: BG063662.D
Acq: 12 Dec 2024 11:26

Tgt Ion:252 Resp: 8545098
Ion Ratio Lower Upper
252 100
253 28.0 16.6 24.8
125 10.4 8.0 12.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 77.501 ng/ul

RT: 27.935 min Scan# 41

Delta R.T. 0.047 min

Lab File: BG063662.D

Acq: 12 Dec 2024 11:26

Instrument :

BNA_G

ClientSampleId :

E28P3

Tgt Ion:276 Resp: 631450

Ion Ratio Lower Upper

276 100

138 16.7 13.7 20.5

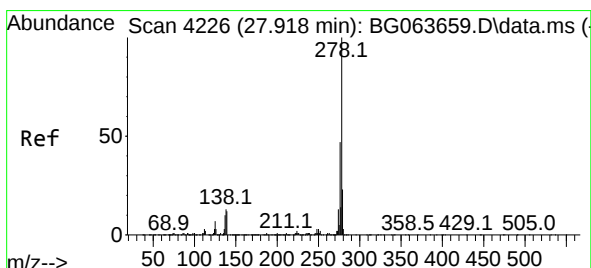
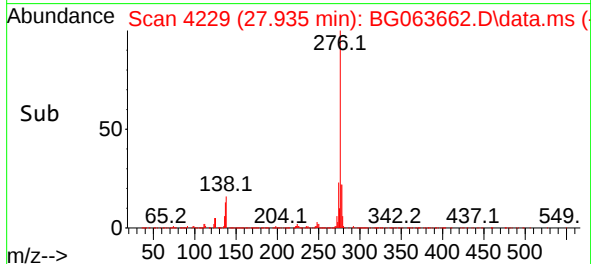
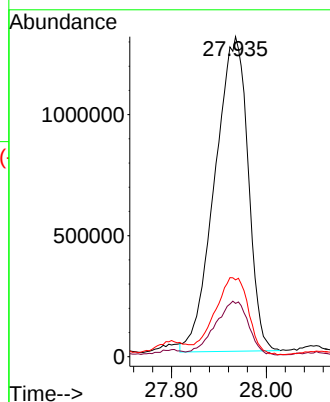
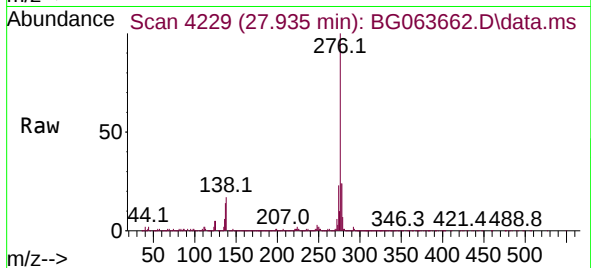
277 24.0 18.4 27.6

Manual Integrations

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Supervised By :mohammad ahmed 12/13/2024



#95

Dibenzo(a,h)anthracene

Concen: 23.682 ng/ul

RT: 27.953 min Scan# 4232

Delta R.T. 0.017 min

Lab File: BG063662.D

Acq: 12 Dec 2024 11:26

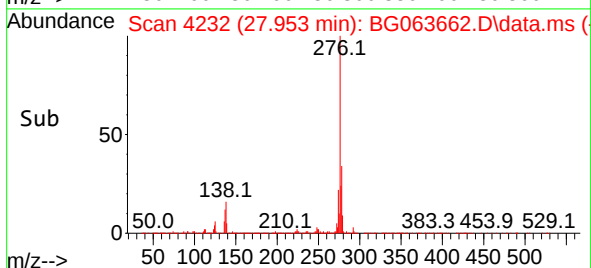
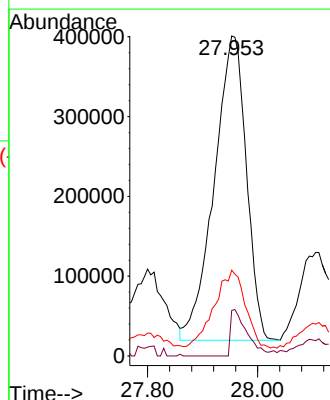
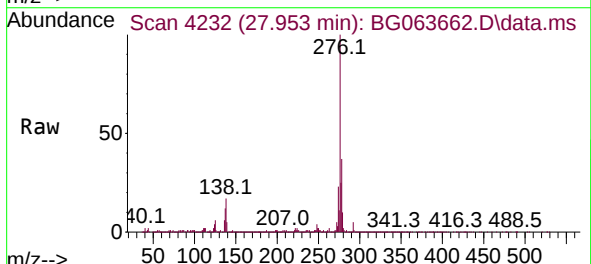
Tgt Ion:278 Resp: 1543911

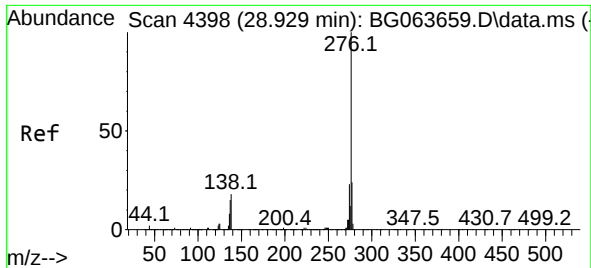
Ion Ratio Lower Upper

278 100

139 14.3 9.7 14.5

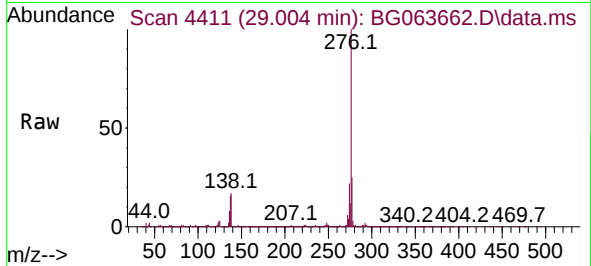
279 26.8 17.3 25.9#





#96
Benzo(g,h,i)perylene
Concen: 97.838 ng/ul
RT: 29.004 min Scan# 441
Delta R.T. 0.064 min
Lab File: BG063662.D
Acq: 12 Dec 2024 11:26

Instrument :
BNA_G
ClientSampleId :
E28P3



Tgt Ion:276 Resp: 632557
Ion Ratio Lower Upper
276 100
138 17.5 13.8 20.8
277 25.1 17.8 26.8

Manual Integrations
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Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024

