

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122324\
 Data File : BG063781.D
 Acq On : 23 Dec 2024 13:11
 Operator : RC/JU
 Sample : P5265-18ME
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E2903ME

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/24/2024
 Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 23 23:55:37 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	7.797	152	92637	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.588	136	389212	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.436	164	309418	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.192	188	781932	20.000	ng/u1	-0.01
79) Chrysene-d12	21.440	240	804781	20.000	ng/u1	-0.02
88) Perylene-d12	24.448	264	854251	20.000	ng/u1	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.261	96	7304	3.090	ng/uL	-0.01
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.986	99	146952	17.224	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.127	67	99254	16.844	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.339	132	97235	17.604	ng/u1	0.00
15) 4-Methylphenol-d8	8.520	113	96994	14.643	ng/u1	0.00
21) Nitrobenzene-d5	8.955	128	50200	18.064	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.671	143	53739	17.251	ng/u1	-0.02
28) 2,4-Dichlorophenol-d3	10.224	165	107476	17.820	ng/u1	0.00
31) 4-Chloroaniline-d4	10.729	131	67246	8.781	ng/u1	-0.01
46) Dimethylphthalate-d6	13.843	166	424563	20.165	ng/u1	-0.01
49) Acenaphthylene-d8	14.131	160	479466	19.977	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.677	143	51882m	17.392	ng/u1	0.00
60) Fluorene-d10	15.435	176	400792	21.530	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.570	200	63315	15.596	ng/u1	0.00
73) Anthracene-d10	17.292	188	749838	22.305	ng/u1	-0.01
81) Pyrene-d10	19.589	212	745123	17.792	ng/u1	-0.01
92) Benzo(a)pyrene-d12	24.243	264	520742	12.981	ng/u1	-0.03
Target Compounds						Qvalue
16) Acetophenone	8.614	105	84460	7.517	ng/u1	86
30) Naphthalene	10.635	128	133290	6.850	ng/u1#	97
36) 2-Methylnaphthalene	12.251	142	65808	4.705	ng/u1	98
37) 1-Methylnaphthalene	12.468	142	45498	3.194	ng/u1	99
43) 1,1'-Biphenyl	13.267	154	36999	1.813	ng/u1	93
52) Acenaphthene	14.501	153	205360	11.258	ng/u1	97
56) Dibenzofuran	14.836	168	384770	14.962	ng/u1	96
61) Fluorene	15.488	166	234082	11.400	ng/u1	96
72) Phenanthrene	17.239	178	4640777m	123.159	ng/u1	
74) Anthracene	17.327	178	323116	8.472	ng/u1	98
77) Carbazole	17.597	167	465999	15.095	ng/u1	97
80) Fluoranthene	19.260	202	4871785	102.350	ng/u1#	90
82) Pyrene	19.619	202	3262872	64.430	ng/u1#	91
85) Benzo(a)anthracene	21.422	228	1403085	27.819	ng/u1	99
87) Chrysene	21.481	228	1854462m	38.578	ng/u1	
90) Benzo(b)fluoranthene	23.508	252	2129374	43.858	ng/u1	99
91) Benzo(k)fluoranthene	23.561	252	798649m	16.491	ng/u1	
93) Benzo(a)pyrene	24.307	252	606210	13.302	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	27.844	276	668560	12.013	ng/u1	96
95) Dibenzo(a,h)anthracene	27.874	278	214984m	4.828	ng/u1	
96) Benzo(g,h,i)perylene	28.896	276	97334m	2.204	ng/u1	

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

Instrument :

BNA_G

ClientSampleId :

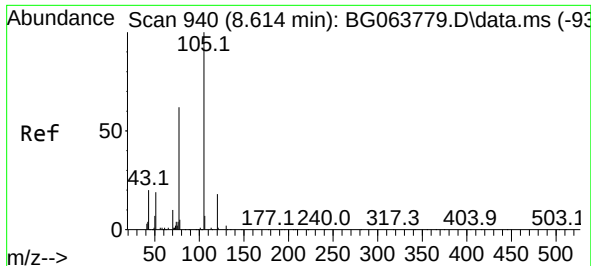
E2903ME

Manual Integrations

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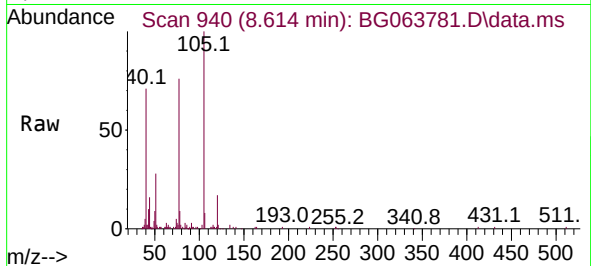
Reviewed By :Yogesh Patel 12/24/2024

Supervised By :mohammad ahmed 12/26/2024



#16
Acetophenone
Concen: 7.517 ng/ul
RT: 8.614 min Scan# 940
Delta R.T. -0.015 min
Lab File: BG063781.D
Acq: 23 Dec 2024 13:11

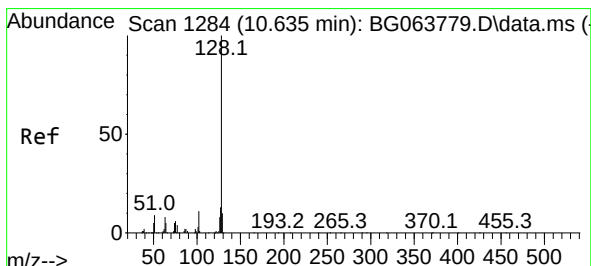
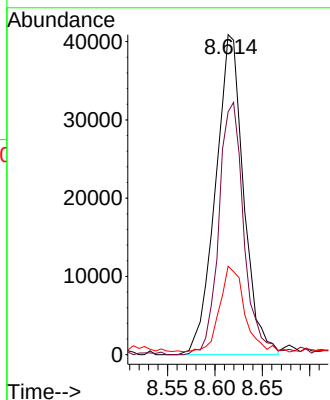
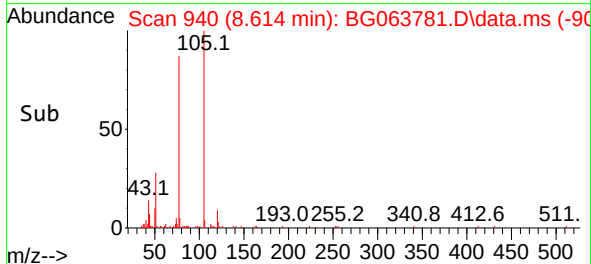
Instrument :
BNA_G
ClientSampleId :
E2903ME



Tgt Ion:105 Resp: 84460
Ion Ratio Lower Upper
105 100
77 75.9 73.6 110.4
51 27.7 25.4 38.2

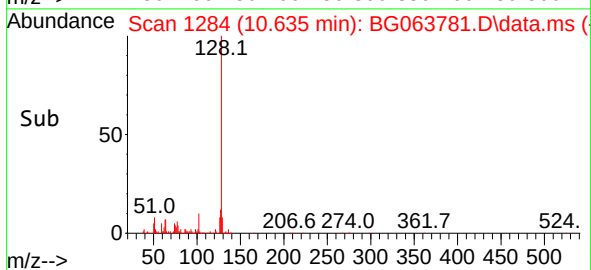
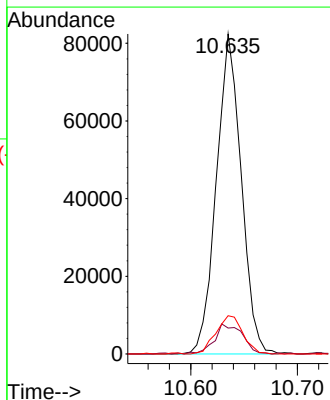
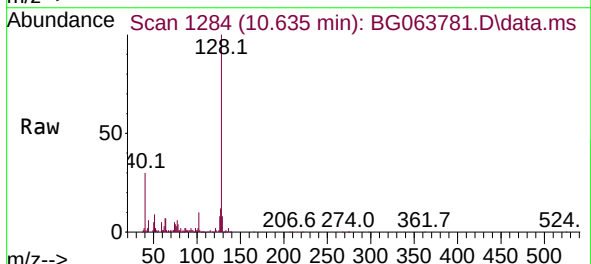
Manual Integrations
APPROVED

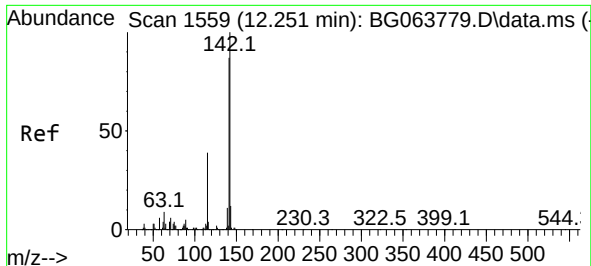
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#30
Naphthalene
Concen: 6.850 ng/ul
RT: 10.635 min Scan# 1284
Delta R.T. -0.015 min
Lab File: BG063781.D
Acq: 23 Dec 2024 13:11

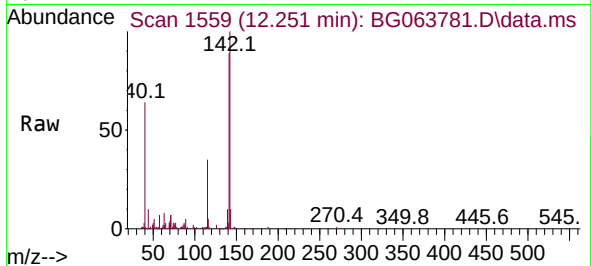
Tgt Ion:128 Resp: 133290
Ion Ratio Lower Upper
128 100
129 8.1 8.2 12.2#
127 12.0 9.8 14.8





#36
2-Methylnaphthalene
Concen: 4.705 ng/ul
RT: 12.251 min Scan# 1559
Delta R.T. -0.015 min
Lab File: BG063781.D
Acq: 23 Dec 2024 13:11

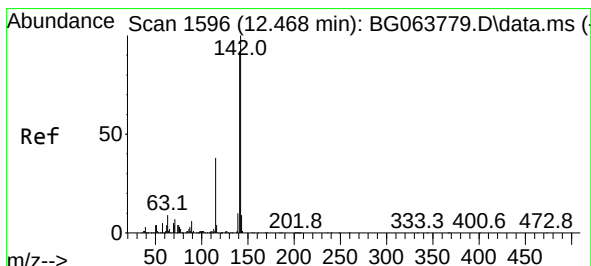
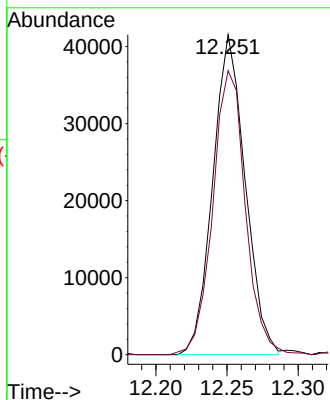
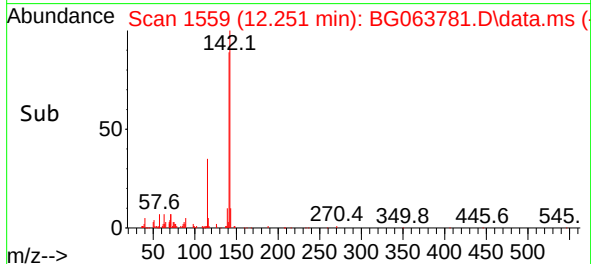
Instrument :
BNA_G
ClientSampleId :
E2903ME



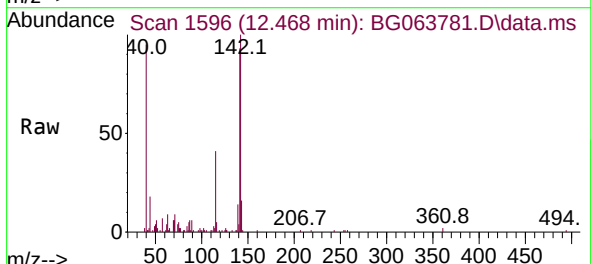
Tgt Ion:142 Resp: 65808
Ion Ratio Lower Upper
142 100
141 88.8 69.5 104.3

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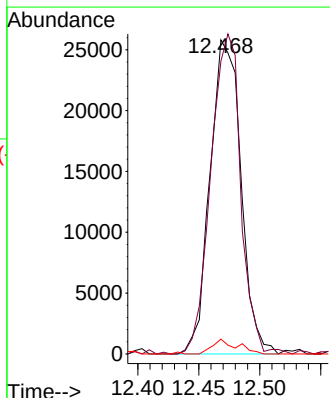
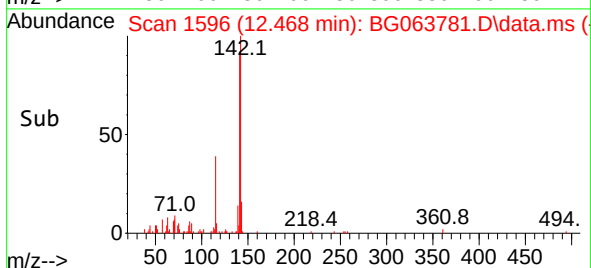
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024

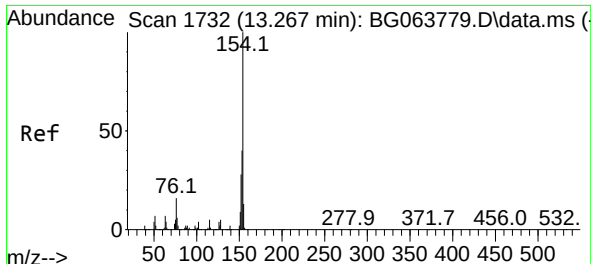


#37
1-Methylnaphthalene
Concen: 3.194 ng/ul
RT: 12.468 min Scan# 1596
Delta R.T. -0.021 min
Lab File: BG063781.D
Acq: 23 Dec 2024 13:11



Tgt Ion:142 Resp: 45498
Ion Ratio Lower Upper
142 100
141 93.2 73.8 110.6
116 4.7 3.5 5.3





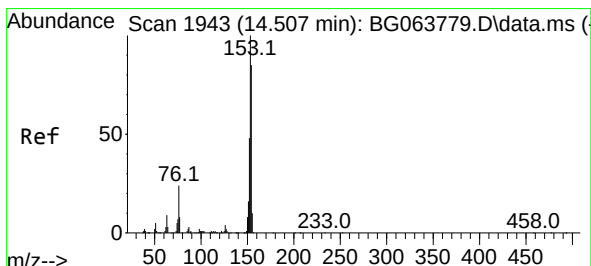
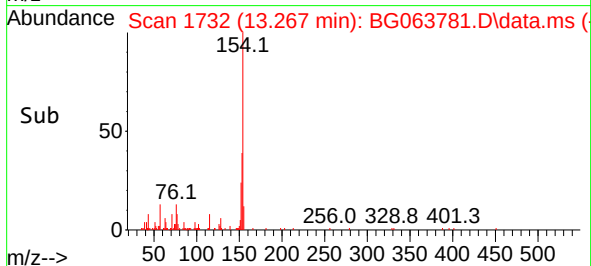
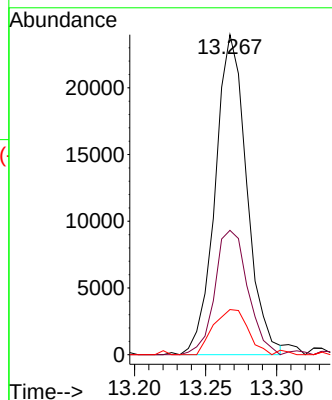
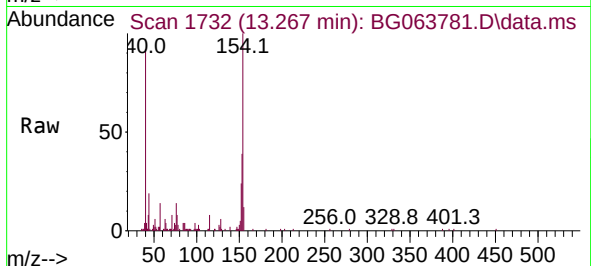
#43
1,1'-Biphenyl
Concen: 1.813 ng/ul
RT: 13.267 min Scan# 1732
Delta R.T. -0.015 min
Lab File: BG063781.D
Acq: 23 Dec 2024 13:11

Instrument :
BNA_G
ClientSampleId :
E2903ME

Tgt Ion:154 Resp: 36998
Ion Ratio Lower Upper
154 100
153 38.9 35.1 52.7
76 14.1 13.4 20.2

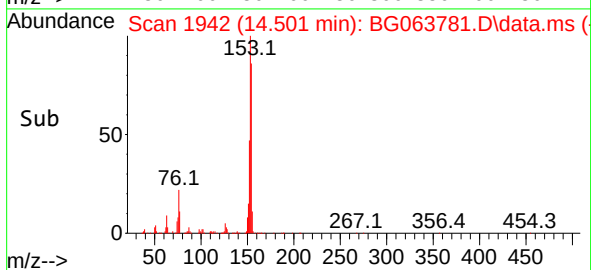
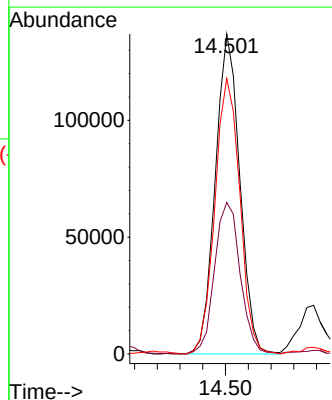
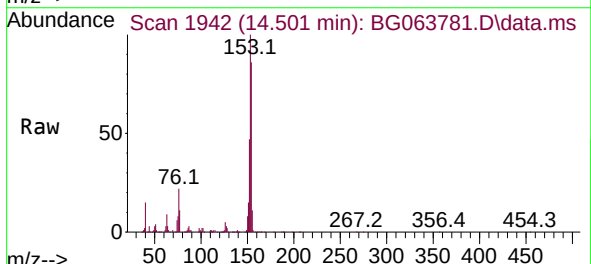
Manual Integrations
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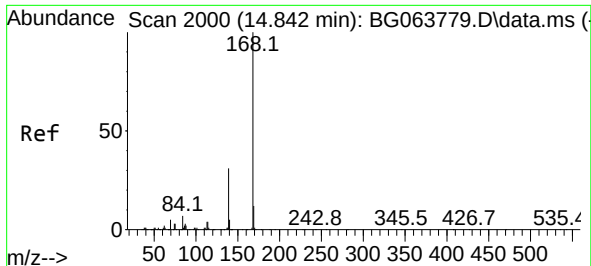
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#52
Acenaphthene
Concen: 11.258 ng/ul
RT: 14.501 min Scan# 1942
Delta R.T. -0.015 min
Lab File: BG063781.D
Acq: 23 Dec 2024 13:11

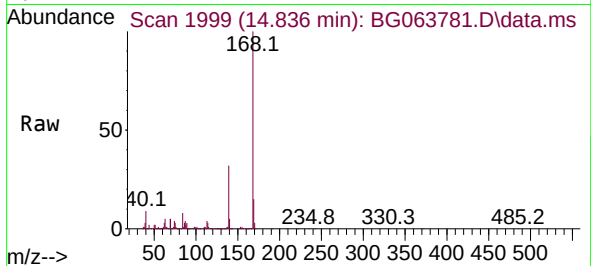
Tgt Ion:153 Resp: 205360
Ion Ratio Lower Upper
153 100
152 47.3 40.2 60.4
154 86.1 70.8 106.2





#56
Dibenzenofuran
Concen: 14.962 ng/ul
RT: 14.836 min Scan# 1999
Delta R.T. -0.015 min
Lab File: BG063781.D
Acq: 23 Dec 2024 13:11

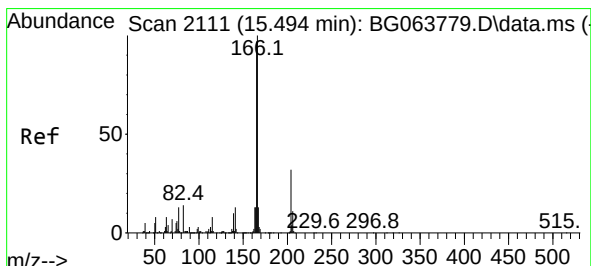
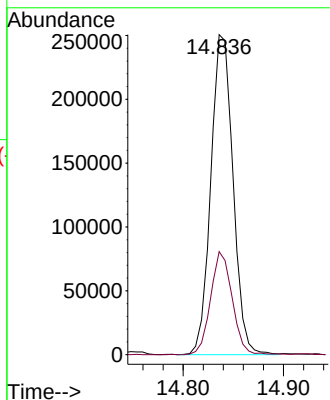
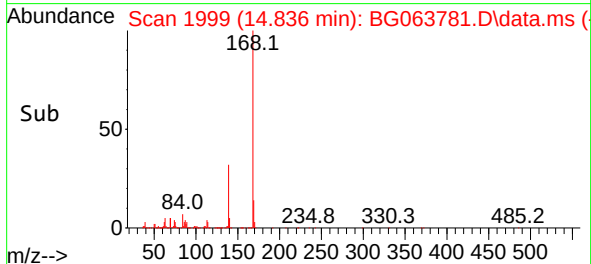
Instrument :
BNA_G
ClientSampleId :
E2903ME



Tgt Ion:168 Resp: 384770
Ion Ratio Lower Upper
168 100
139 32.2 27.8 41.8

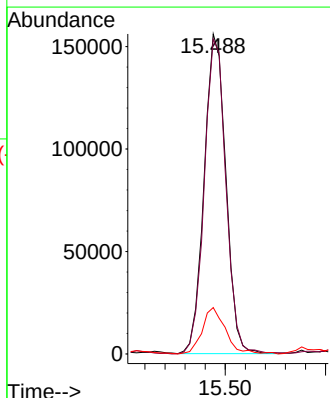
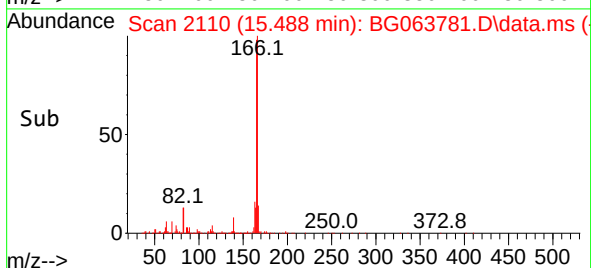
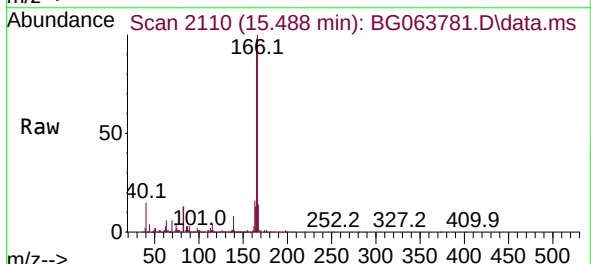
Manual Integrations
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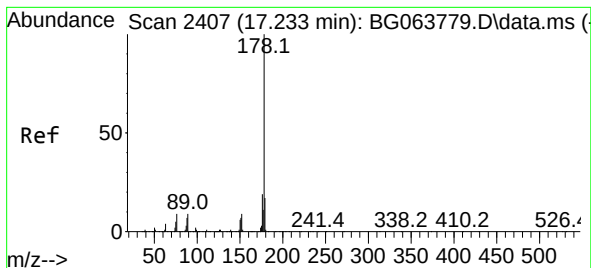
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#61
Fluorene
Concen: 11.400 ng/ul
RT: 15.488 min Scan# 2110
Delta R.T. -0.015 min
Lab File: BG063781.D
Acq: 23 Dec 2024 13:11

Tgt Ion:166 Resp: 234082
Ion Ratio Lower Upper
166 100
165 98.4 81.9 122.9
167 14.5 11.4 17.0





#72

Phenanthrene

Concen: 123.159 ng/ul m

RT: 17.239 min Scan# 2408

Delta R.T. -0.009 min

Lab File: BG063781.D

Acq: 23 Dec 2024 13:11

Instrument :

BNA_G

ClientSampleId :

E2903ME

Tgt Ion:178 Resp: 464077

Ion Ratio Lower Upper

178 100

179 18.8 12.2 18.2

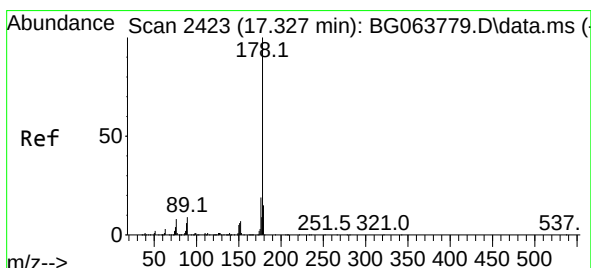
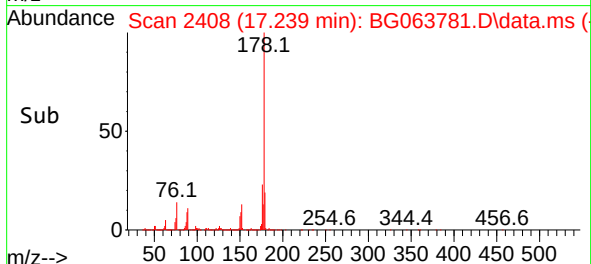
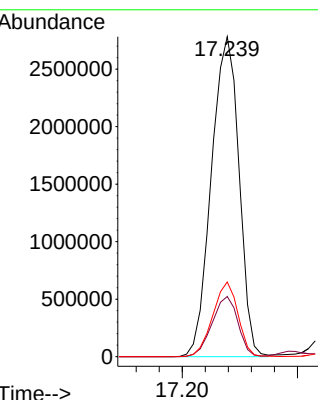
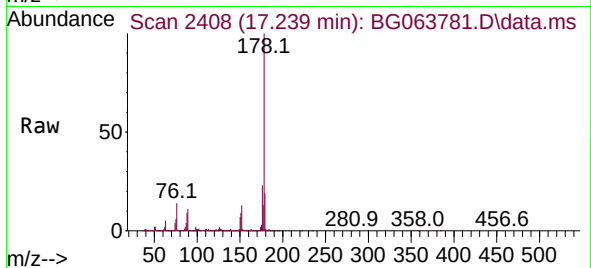
176 23.4 15.8 23.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/24/2024

Supervised By :mohammad ahmed 12/26/2024



#74

Anthracene

Concen: 8.472 ng/ul

RT: 17.327 min Scan# 2423

Delta R.T. -0.009 min

Lab File: BG063781.D

Acq: 23 Dec 2024 13:11

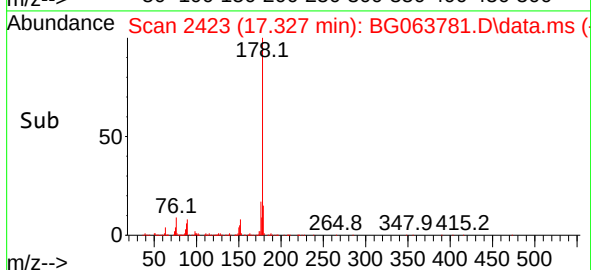
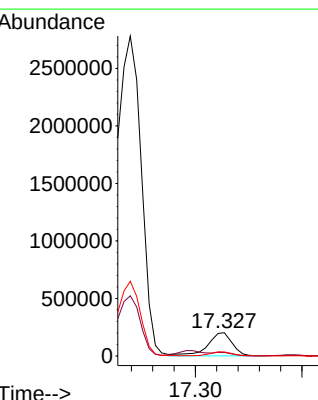
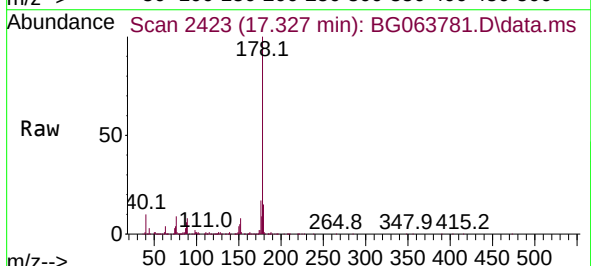
Tgt Ion:178 Resp: 323116

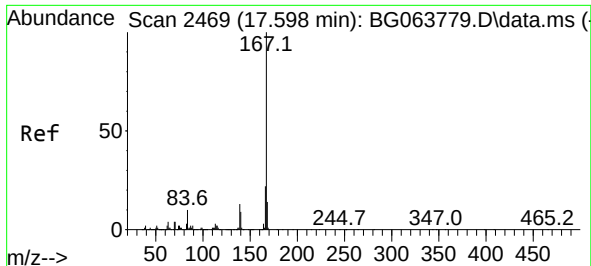
Ion Ratio Lower Upper

178 100

179 15.1 12.4 18.6

176 17.0 14.4 21.6





#77
 Carbazole
 Concen: 15.095 ng/ul
 RT: 17.597 min Scan# 2469
 Delta R.T. -0.015 min
 Lab File: BG063781.D
 Acq: 23 Dec 2024 13:11

Instrument :

BNA_G

ClientSampleId :

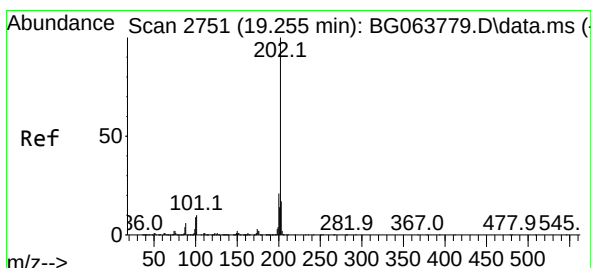
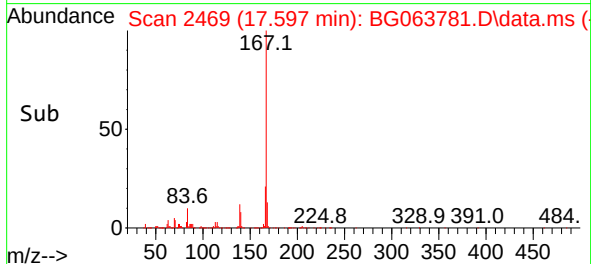
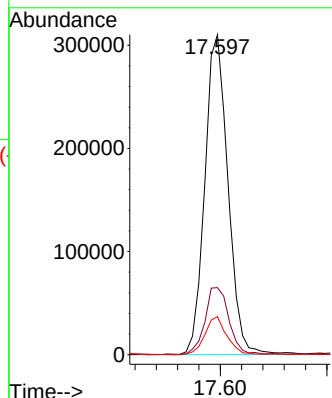
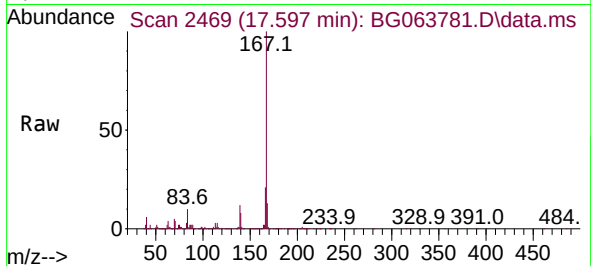
E2903ME

Tgt Ion:167 Resp: 465999
 Ion Ratio Lower Upper
 167 100
 166 21.0 18.2 27.4
 139 11.9 10.1 15.1

Manual Integrations

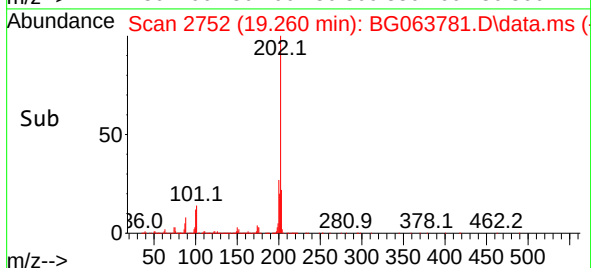
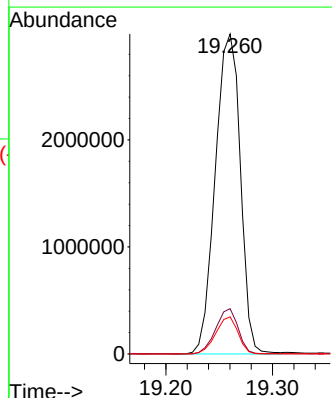
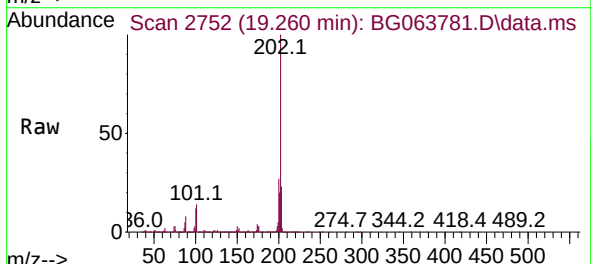
APPROVED

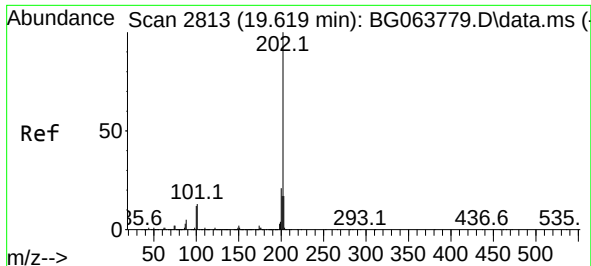
Reviewed By :Yogesh Patel 12/24/2024
 Supervised By :mohammad ahmed 12/26/2024



#80
 Fluoranthene
 Concen: 102.350 ng/ul
 RT: 19.260 min Scan# 2752
 Delta R.T. -0.009 min
 Lab File: BG063781.D
 Acq: 23 Dec 2024 13:11

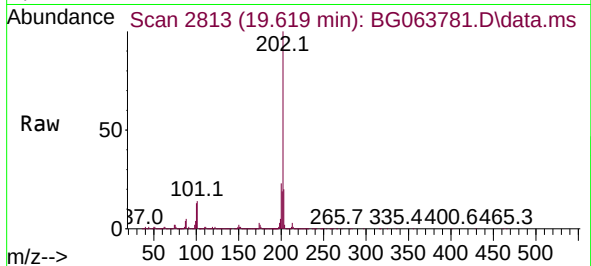
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 Ion Ratio Lower Upper
 202 100
 101 14.1 8.1 12.1#
 100 11.6 6.5 9.7#





#82
Pyrene
Concen: 64.430 ng/ul
RT: 19.619 min Scan# 2813
Delta R.T. -0.015 min
Lab File: BG063781.D
Acq: 23 Dec 2024 13:11

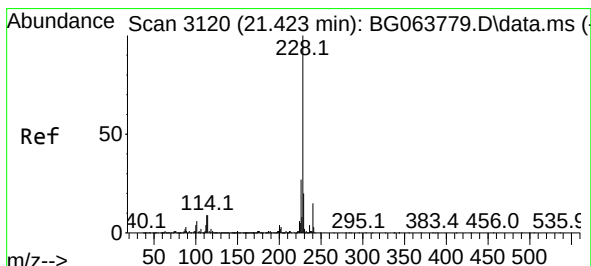
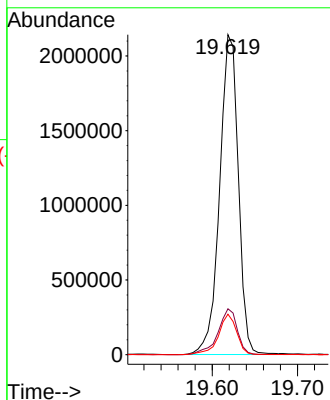
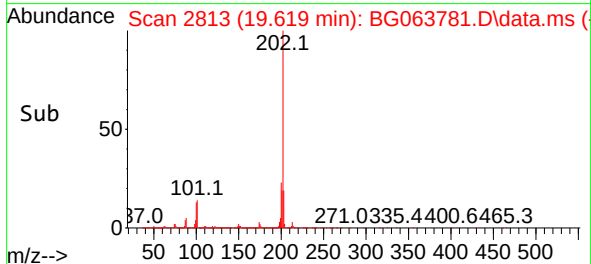
Instrument :
BNA_G
ClientSampleId :
E2903ME



Tgt Ion:202 Resp: 3262872
Ion Ratio Lower Upper
202 100
101 14.4 8.7 13.1
100 12.7 7.8 11.6

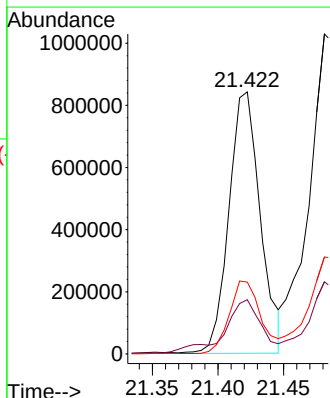
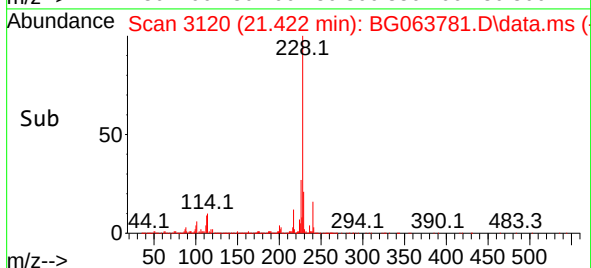
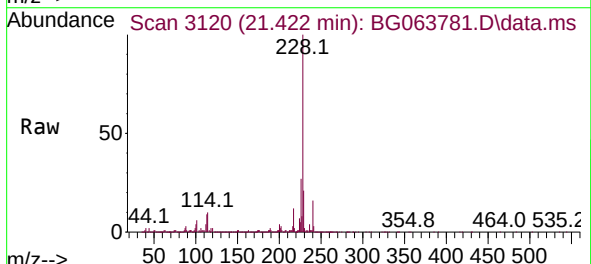
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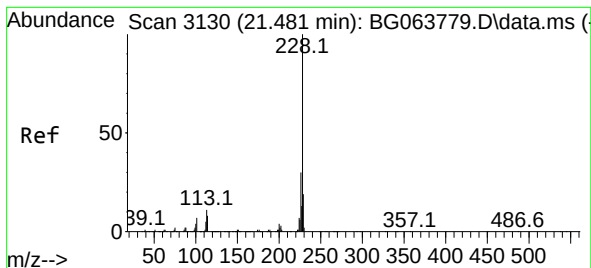
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#85
Benzo(a)anthracene
Concen: 27.819 ng/ul
RT: 21.422 min Scan# 3120
Delta R.T. -0.021 min
Lab File: BG063781.D
Acq: 23 Dec 2024 13:11

Tgt Ion:228 Resp: 1403085
Ion Ratio Lower Upper
228 100
229 20.7 15.7 23.5
226 27.4 22.0 33.0





#87

Chrysene

Concen: 38.578 ng/ul m

RT: 21.481 min Scan# 3130

Delta R.T. -0.021 min

Lab File: BG063781.D

Acq: 23 Dec 2024 13:11

Instrument :

BNA_G

ClientSampleId :

E2903ME

Tgt Ion:228 Resp: 1854462

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.0

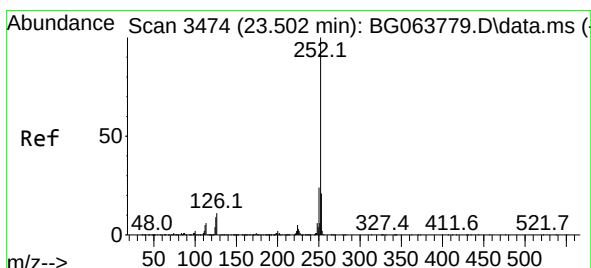
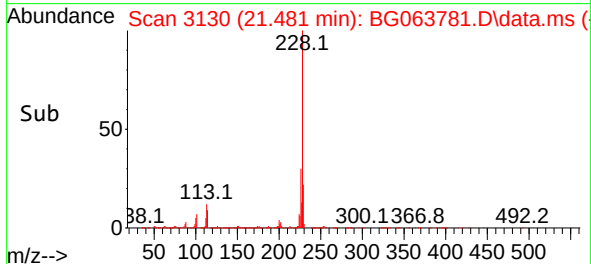
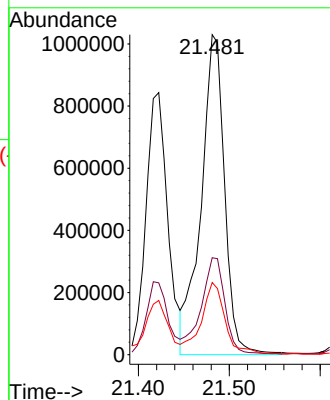
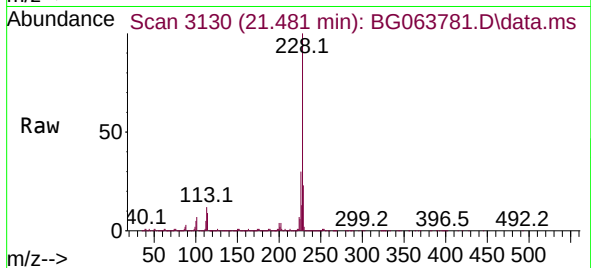
229 22.5 14.8 22.2

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Reviewed By :Yogesh Patel 12/24/2024

Supervised By :mohammad ahmed 12/26/2024



#90

Benzo(b)fluoranthene

Concen: 43.858 ng/ul

RT: 23.508 min Scan# 3475

Delta R.T. -0.015 min

Lab File: BG063781.D

Acq: 23 Dec 2024 13:11

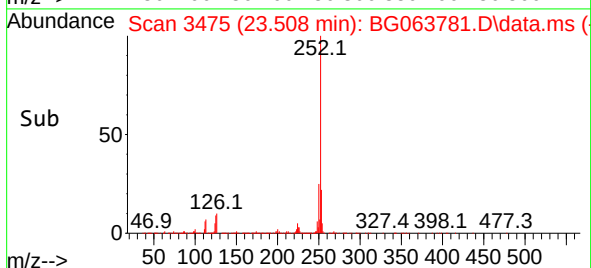
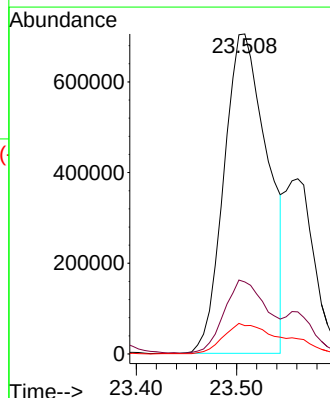
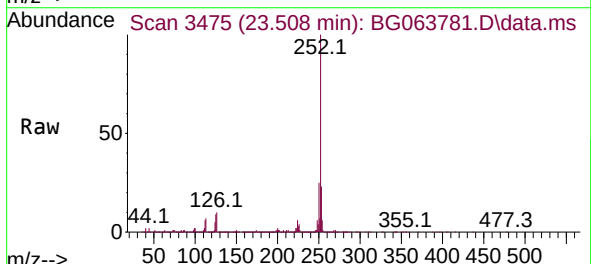
Tgt Ion:252 Resp: 2129374

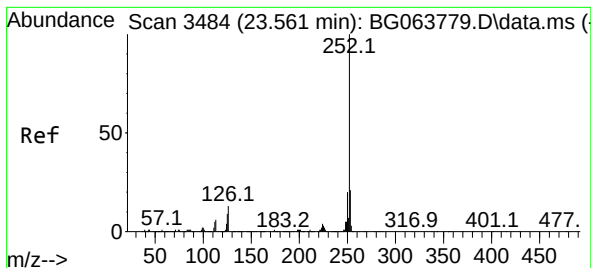
Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 8.9 7.0 10.4





#91

Benzo(k)fluoranthene

Concen: 16.491 ng/ul m

RT: 23.561 min Scan# 34

Delta R.T. -0.026 min

Lab File: BG063781.D

Acq: 23 Dec 2024 13:11

Instrument :

BNA_G

ClientSampleId :

E2903ME

Tgt Ion:252 Resp: 798649

Ion Ratio Lower Upper

252 100

253 24.0 17.7 26.5

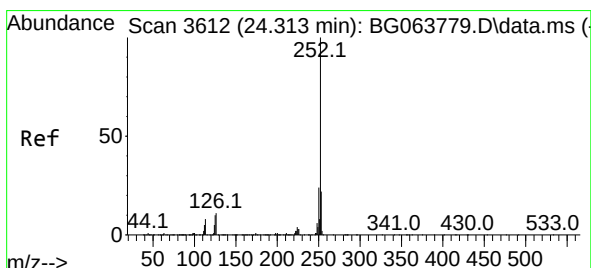
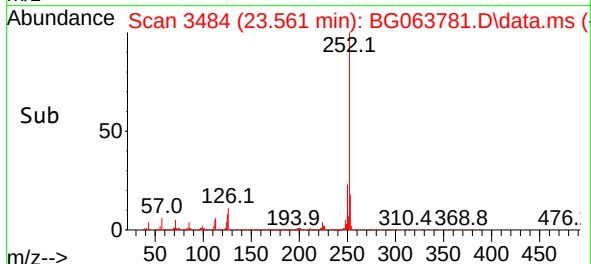
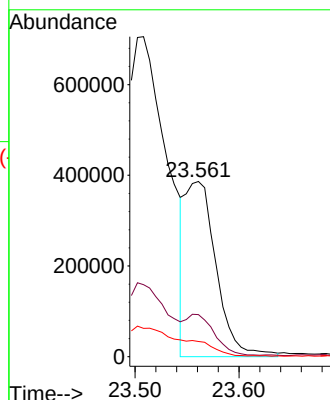
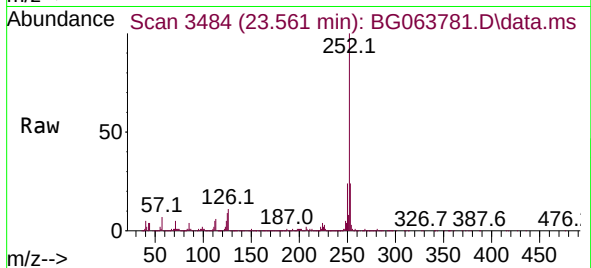
125 8.7 6.5 9.7

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Reviewed By :Yogesh Patel 12/24/2024

Supervised By :mohammad ahmed 12/26/2024



#93

Benzo(a)pyrene

Concen: 13.302 ng/ul

RT: 24.307 min Scan# 3611

Delta R.T. -0.032 min

Lab File: BG063781.D

Acq: 23 Dec 2024 13:11

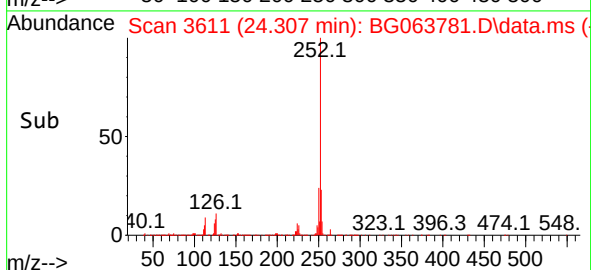
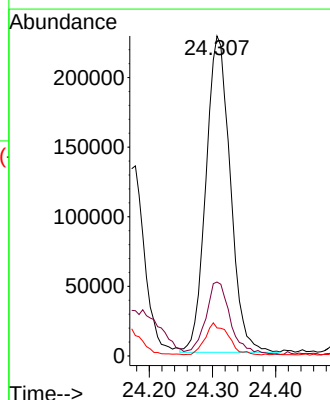
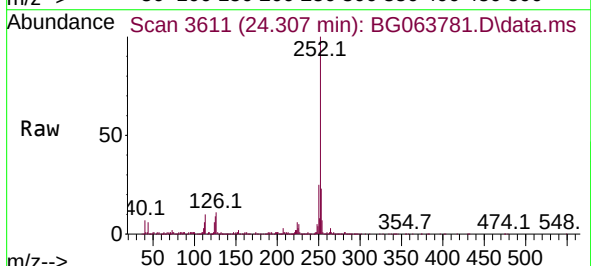
Tgt Ion:252 Resp: 606210

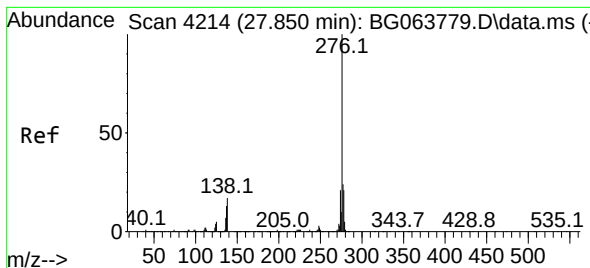
Ion Ratio Lower Upper

252 100

253 23.1 16.6 24.8

125 8.7 8.0 12.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 12.013 ng/ul

RT: 27.844 min Scan# 41

Delta R.T. -0.044 min

Lab File: BG063781.D

Acq: 23 Dec 2024 13:11

Instrument :

BNA_G

ClientSampleId :

E2903ME

Tgt Ion:276 Resp: 668560

Ion Ratio Lower Upper

276 100

138 18.7 13.7 20.5

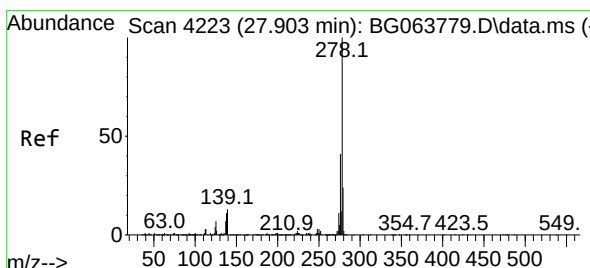
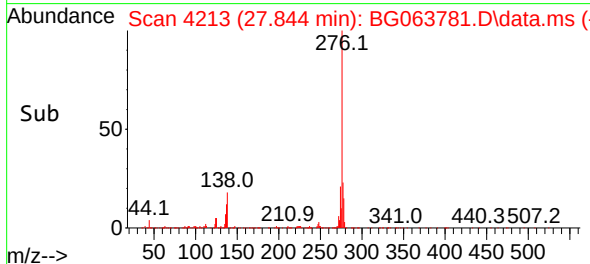
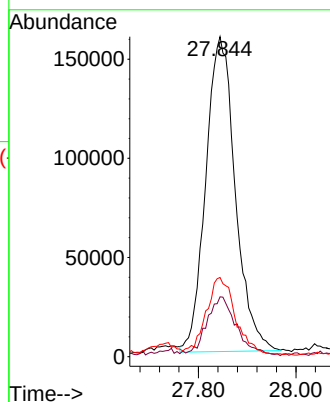
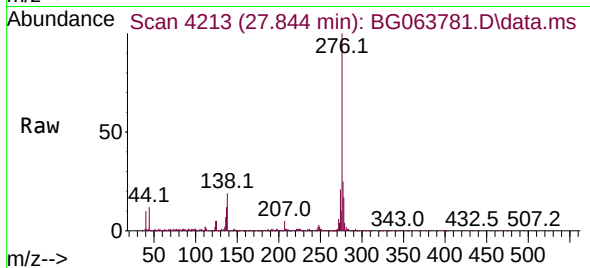
277 24.7 18.4 27.6

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Reviewed By :Yogesh Patel 12/24/2024

Supervised By :mohammad ahmed 12/26/2024



#95

Dibenzo(a,h)anthracene

Concen: 4.828 ng/ul m

RT: 27.874 min Scan# 4218

Delta R.T. -0.062 min

Lab File: BG063781.D

Acq: 23 Dec 2024 13:11

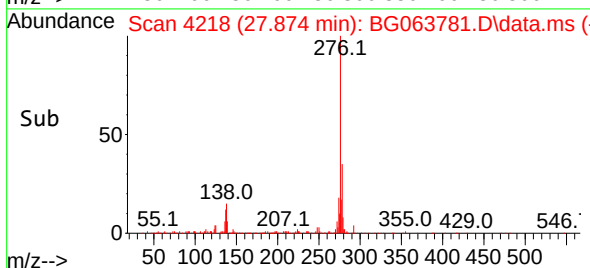
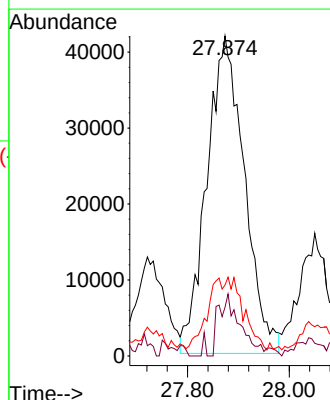
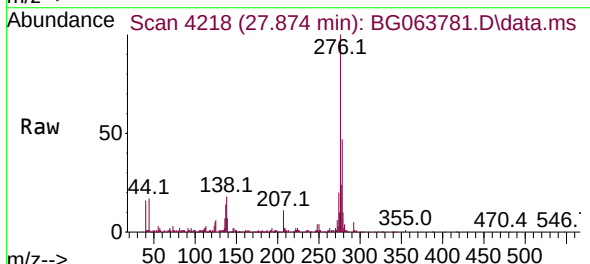
Tgt Ion:278 Resp: 214984

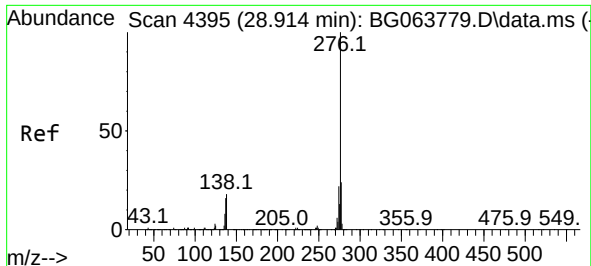
Ion Ratio Lower Upper

278 100

139 15.2 9.7 14.5#

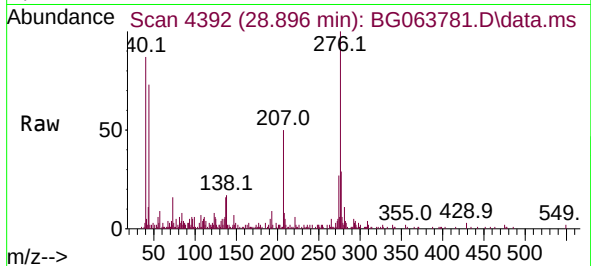
279 22.2 17.3 25.9





#96
 Benzo(g,h,i)perylene
 Concen: 2.204 ng/ul m
 RT: 28.896 min Scan# 4392
 Delta R.T. -0.044 min
 Lab File: BG063781.D
 Acq: 23 Dec 2024 13:11

Instrument :
 BNA_G
 ClientSampleId :
 E2903ME



Tgt Ion:276 Resp: 97334
 Ion Ratio Lower Upper
 276 100
 138 16.6 13.8 20.8
 277 29.2 17.8 26.8

Manual Integrations
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Reviewed By :Yogesh Patel 12/24/2024
 Supervised By :mohammad ahmed 12/26/2024

