

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121224\
 Data File : BG063667.D
 Acq On : 12 Dec 2024 14:34
 Operator : RC/JU
 Sample : P5153-05DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E28P3DL

Manual Integrations
 APPROVED

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

Quant Time: Dec 12 22:30:51 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	7.815	152	195099	20.000	ng/u1	0.00
20) Naphthalene-d8	10.606	136	797340	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.454	164	548438	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.204	188	1128119	20.000	ng/u1	0.00
79) Chrysene-d12	21.458	240	1054807	20.000	ng/u1	0.00
88) Perylene-d12	24.484	264	1226921	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.279	96	5382	1.081	ng/uL	0.00
4) Pyridine-d5	3.696	84	77698	4.947	ng/u1	0.00
7) Phenol-d5	7.004	99	100986	5.620	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.151	67	67428	5.433	ng/u1	0.00
11) 2-Chlorophenol-d4	7.357	132	68477	5.887	ng/u1	0.00
15) 4-Methylphenol-d8	8.532	113	76072	5.453	ng/u1	0.00
21) Nitrobenzene-d5	8.973	128	32141	5.646	ng/u1	0.00
24) 2-Nitrophenol-d4	9.689	143	30154	4.725	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.242	165	69604	5.633	ng/u1	0.00
31) 4-Chloroaniline-d4	10.747	131	74531	4.751	ng/u1	0.00
46) Dimethylphthalate-d6	13.861	166	226600	6.072	ng/u1	0.00
49) Acenaphthylene-d8	14.143	160	273967	6.440	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	0.00
60) Fluorene-d10	15.447	176	205930	6.241	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	0.00
73) Anthracene-d10	17.304	188	327598	6.754	ng/u1	0.00
81) Pyrene-d10	19.607	212	357879	6.520	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.278	264	345249	5.992	ng/u1	0.00
Target Compounds				Qvalue		
30) Naphthalene	10.653	128	159492	4.001	ng/u1#	95
36) 2-Methylnaphthalene	12.269	142	124283	4.338	ng/u1	95
37) 1-Methylnaphthalene	12.486	142	98490	3.375	ng/u1	89
52) Acenaphthene	14.519	153	203299	6.288	ng/u1	97
56) Dibenzofuran	14.854	168	162647	3.568	ng/u1	98
61) Fluorene	15.506	166	178528	4.905	ng/u1	93
72) Phenanthrene	17.251	178	2400850	44.163	ng/u1	99
74) Anthracene	17.339	178	634324	11.528	ng/u1	99
77) Carbazole	17.615	167	229274	5.148	ng/u1	95
80) Fluoranthene	19.272	202	4400277	70.532	ng/u1#	94
82) Pyrene	19.637	202	3990555	60.121	ng/u1#	92
85) Benzo(a)anthracene	21.440	228	2355226	35.628	ng/u1	98
87) Chrysene	21.505	228	2229169	35.381	ng/u1	96
90) Benzo(b)fluoranthene	23.538	252	3011979	43.193	ng/u1	99
91) Benzo(k)fluoranthene	23.591	252	1113057m	16.002	ng/u1	
93) Benzo(a)pyrene	24.349	252	2207156	33.721	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	27.903	276	1278013	15.988	ng/u1	96
95) Dibenzo(a,h)anthracene	27.921	278	310875m	4.860	ng/u1	
96) Benzo(g,h,i)perylene	28.967	276	1269962m	20.022	ng/u1	

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

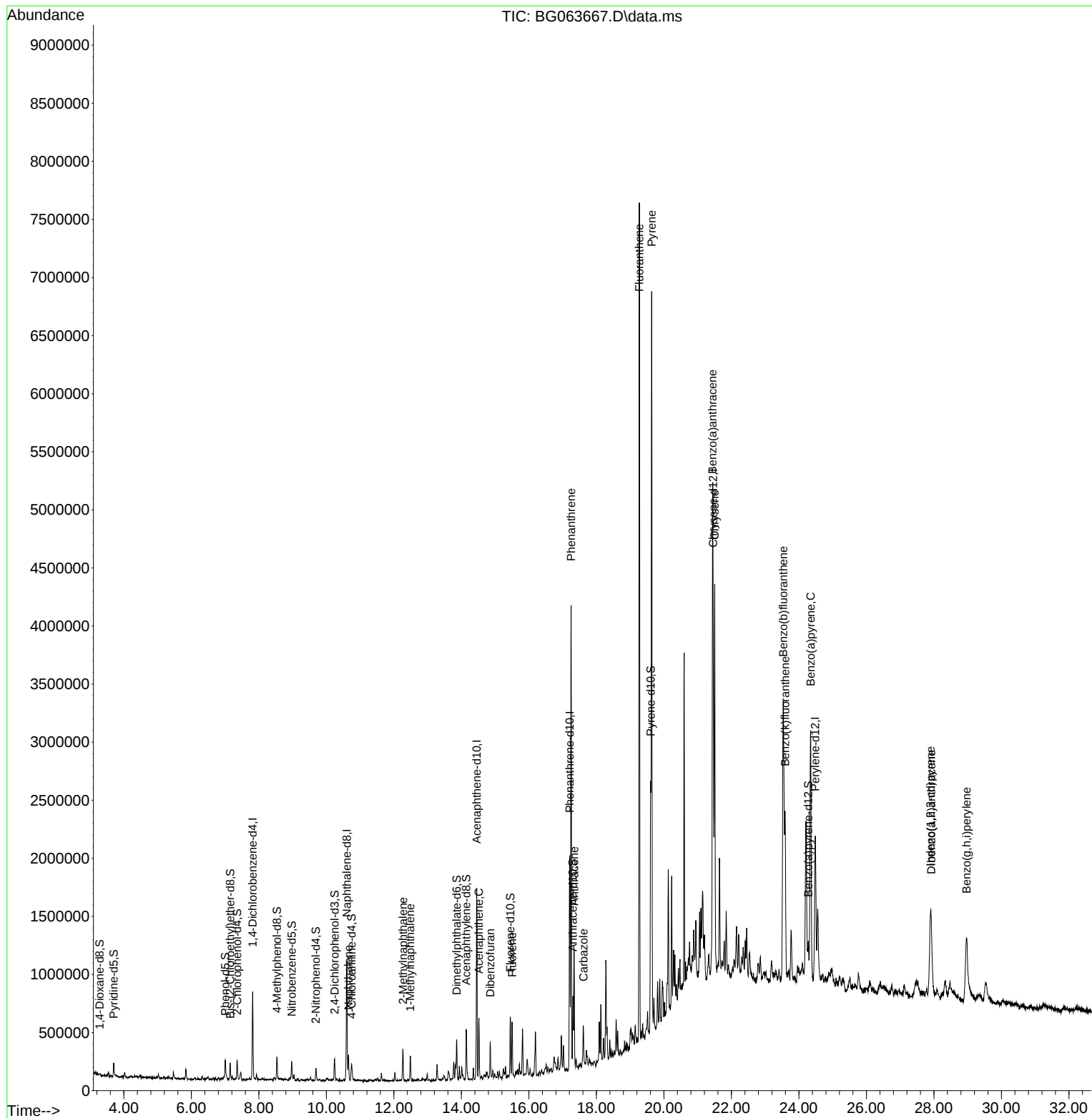
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121224\
 Data File : BG063667.D
 Acq On : 12 Dec 2024 14:34
 Operator : RC/JU
 Sample : P5153-05DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

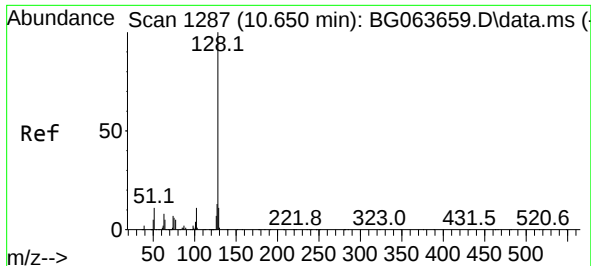
Instrument :
 BNA_G
 ClientSampleId :
 E28P3DL

Quant Time: Dec 12 22:30:51 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
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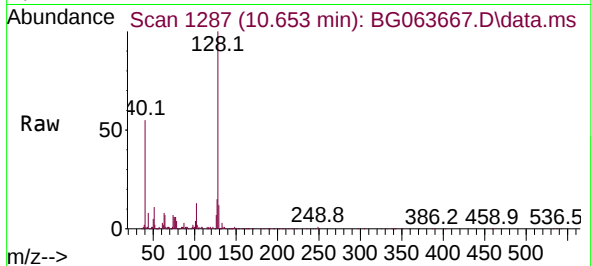
Reviewed By :Yogesh Patel 12/13/2024
 Supervised By :mohammad ahmed 12/13/2024





#30
Naphthalene
Concen: 4.001 ng/ul
RT: 10.653 min Scan# 10
Delta R.T. 0.003 min
Lab File: BG063667.D
Acq: 12 Dec 2024 14:34

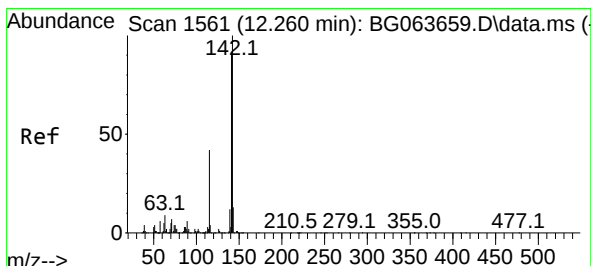
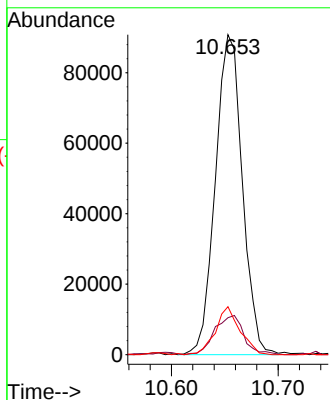
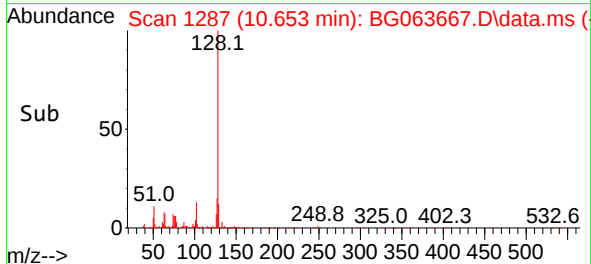
Instrument :
BNA_G
ClientSampleId :
E28P3DL



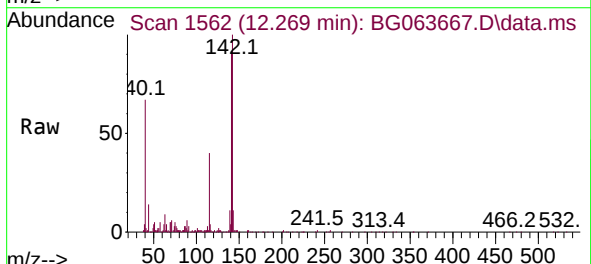
Tgt Ion:128 Resp: 159492
Ion Ratio Lower Upper
128 100
129 11.6 8.2 12.2
127 15.0 9.8 14.8

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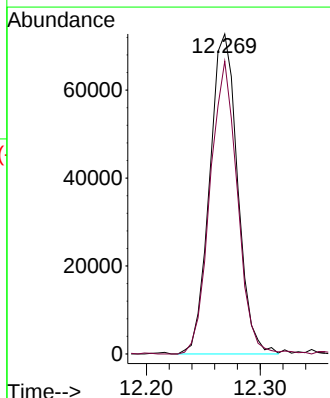
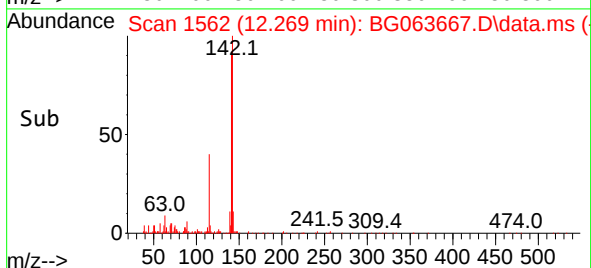
Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024

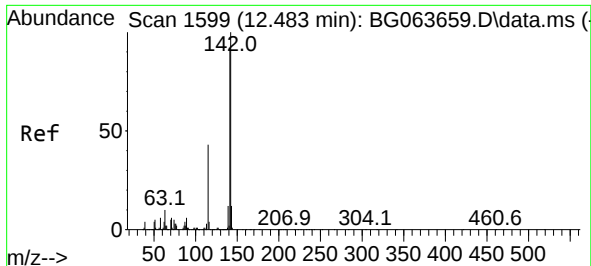


#36
2-Methylnaphthalene
Concen: 4.338 ng/ul
RT: 12.269 min Scan# 1562
Delta R.T. 0.003 min
Lab File: BG063667.D
Acq: 12 Dec 2024 14:34



Tgt Ion:142 Resp: 124283
Ion Ratio Lower Upper
142 100
141 91.5 69.5 104.3





#37

1-Methylnaphthalene

Concen: 3.375 ng/ul

RT: 12.486 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG063667.D

Acq: 12 Dec 2024 14:34

Instrument :

BNA_G

ClientSampleId :

E28P3DL

Tgt Ion:142 Resp: 98490

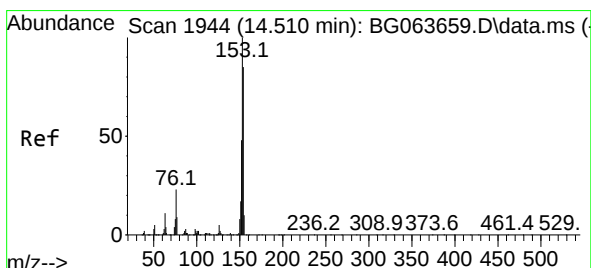
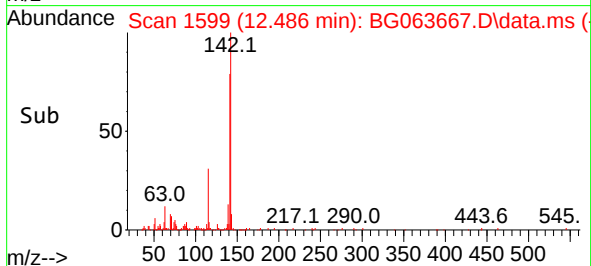
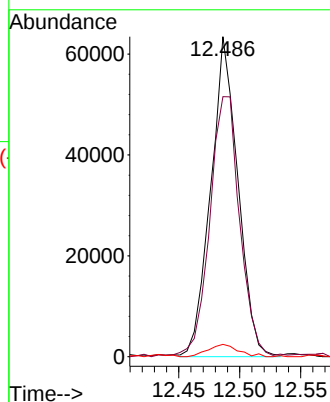
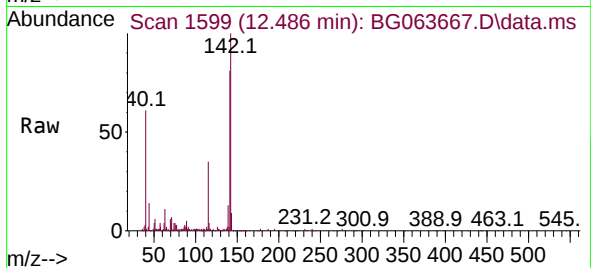
Ion	Ratio	Lower	Upper
142	100		
141	81.3	73.8	110.6
116	3.8	3.5	5.3

Manual Integrations

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#52

Acenaphthene

Concen: 6.288 ng/ul

RT: 14.519 min Scan# 1945

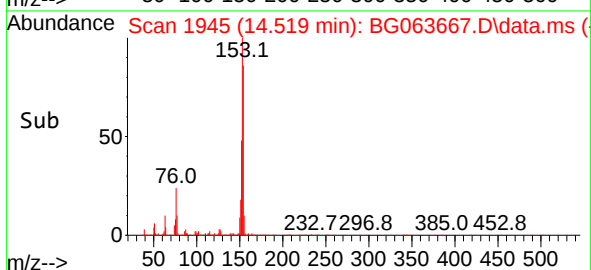
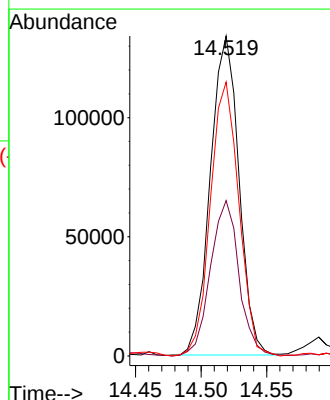
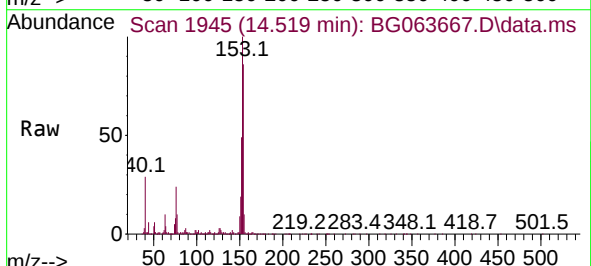
Delta R.T. 0.003 min

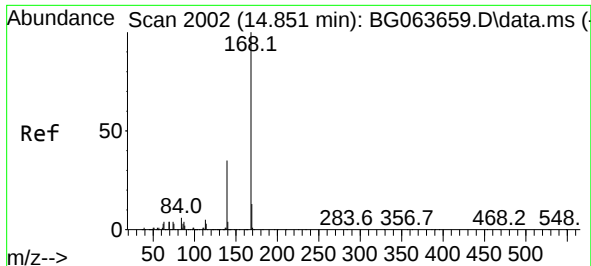
Lab File: BG063667.D

Acq: 12 Dec 2024 14:34

Tgt Ion:153 Resp: 203299

Ion	Ratio	Lower	Upper
153	100		
152	48.6	40.2	60.4
154	85.6	70.8	106.2





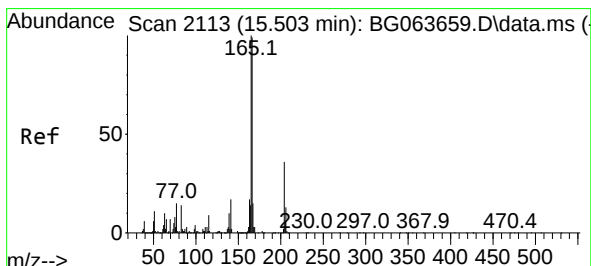
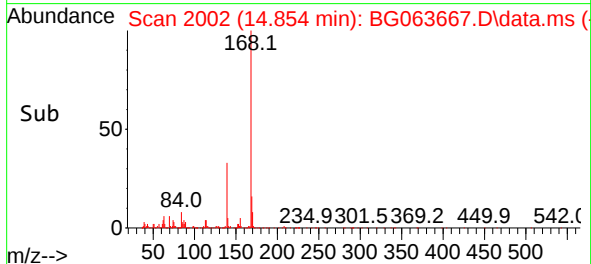
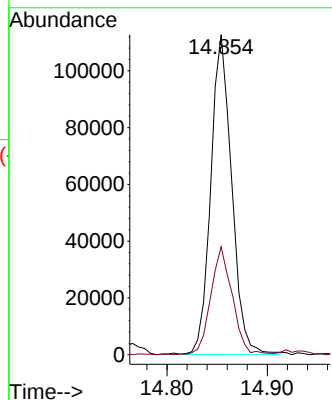
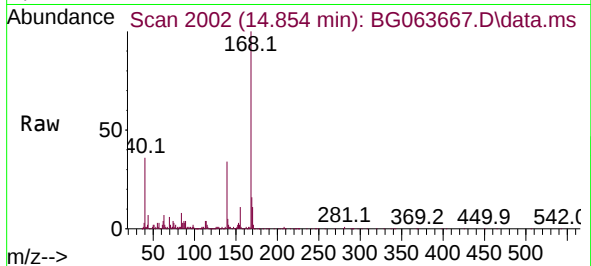
#56
Dibenzenofuran
Concen: 3.568 ng/ul
RT: 14.854 min Scan# 2002
Delta R.T. 0.003 min
Lab File: BG063667.D
Acq: 12 Dec 2024 14:34

Instrument :
BNA_G
ClientSampleId :
E28P3DL

Tgt Ion:168 Resp: 16264
Ion Ratio Lower Upper
168 100
139 33.7 27.8 41.8

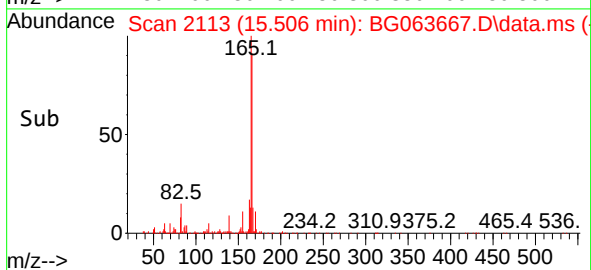
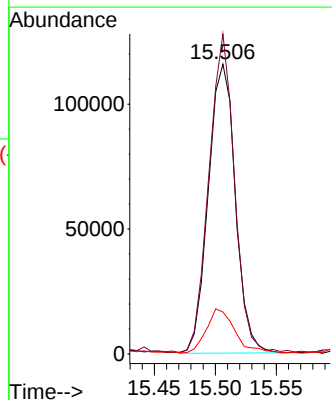
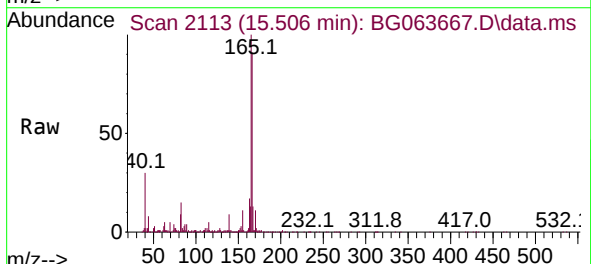
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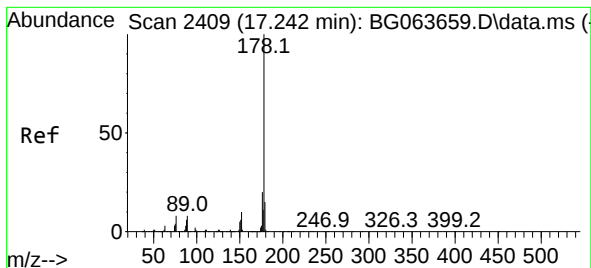
Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



#61
Fluorene
Concen: 4.905 ng/ul
RT: 15.506 min Scan# 2113
Delta R.T. 0.003 min
Lab File: BG063667.D
Acq: 12 Dec 2024 14:34

Tgt Ion:166 Resp: 178528
Ion Ratio Lower Upper
166 100
165 110.5 81.9 122.9
167 14.5 11.4 17.0





#72

Phenanthrene

Concen: 44.163 ng/u1

RT: 17.251 min Scan# 2409

Delta R.T. 0.003 min

Lab File: BG063667.D

Acq: 12 Dec 2024 14:34

Instrument :

BNA_G

ClientSampleId :

E28P3DL

Tgt Ion:178 Resp: 2400850

Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.2

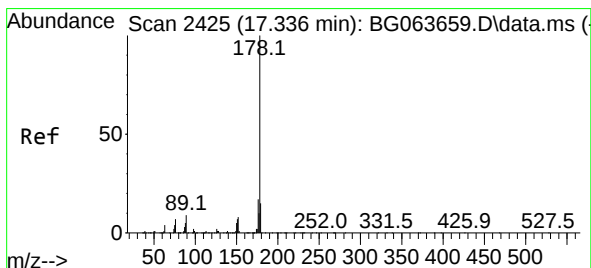
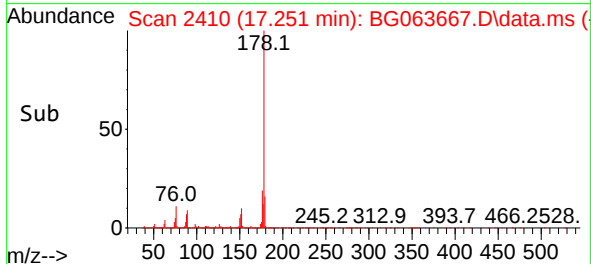
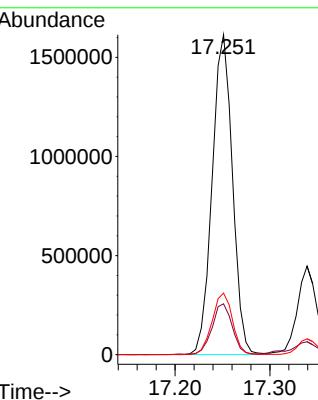
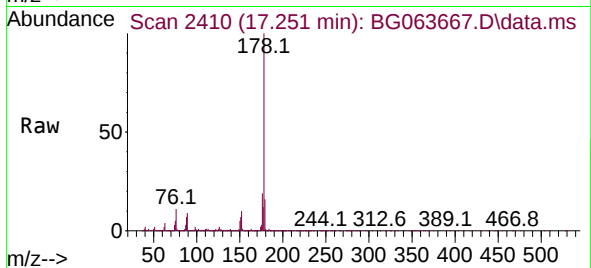
176 19.2 15.8 23.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/13/2024

Supervised By :mohammad ahmed 12/13/2024



#74

Anthracene

Concen: 11.528 ng/u1

RT: 17.339 min Scan# 2425

Delta R.T. 0.003 min

Lab File: BG063667.D

Acq: 12 Dec 2024 14:34

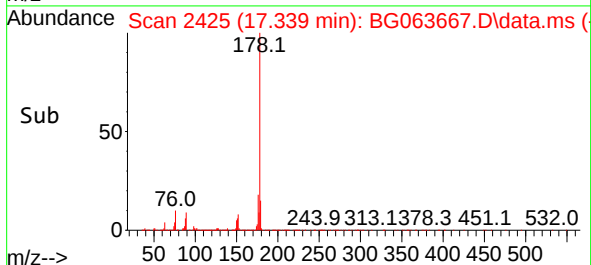
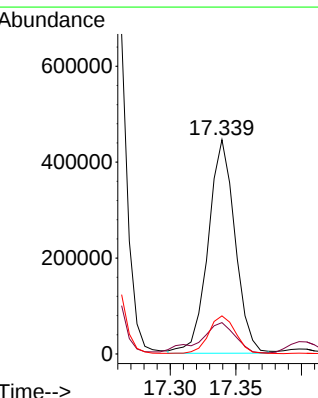
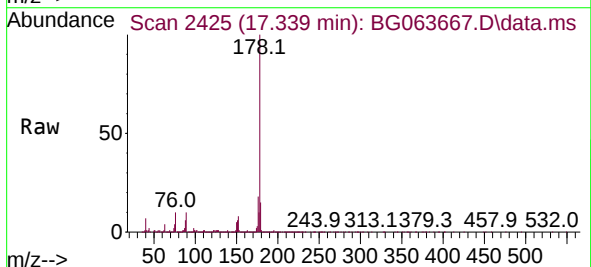
Tgt Ion:178 Resp: 634324

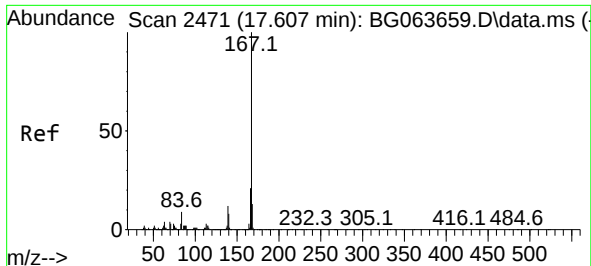
Ion Ratio Lower Upper

178 100

179 14.7 12.4 18.6

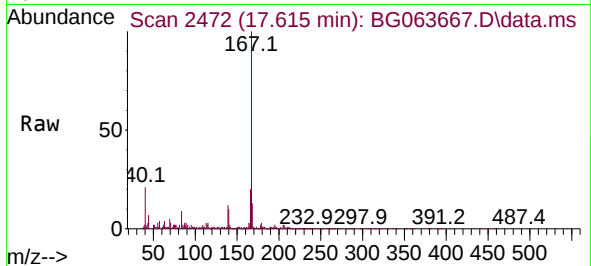
176 17.8 14.4 21.6





#77
Carbazole
Concen: 5.148 ng/ul
RT: 17.615 min Scan# 2471
Delta R.T. 0.003 min
Lab File: BG063667.D
Acq: 12 Dec 2024 14:34

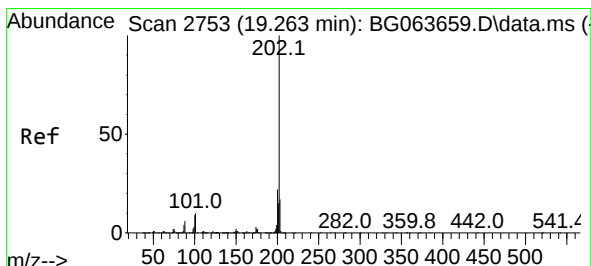
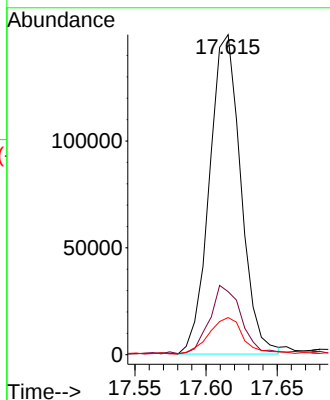
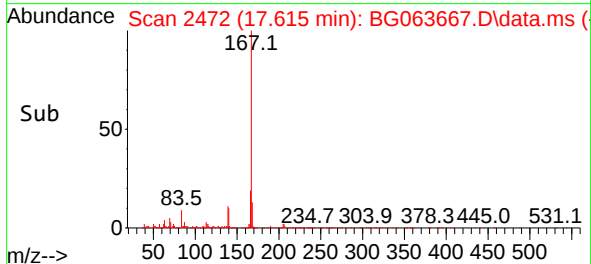
Instrument :
BNA_G
ClientSampleId :
E28P3DL



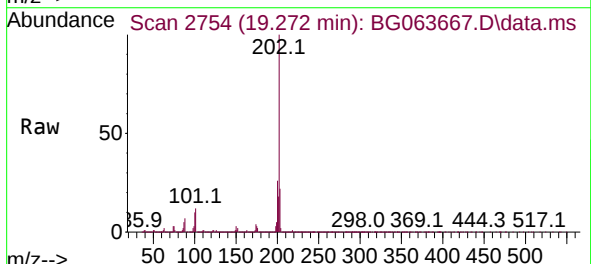
Tgt Ion:167 Resp: 229274
Ion Ratio Lower Upper
167 100
166 19.7 18.2 27.4
139 11.6 10.1 15.1

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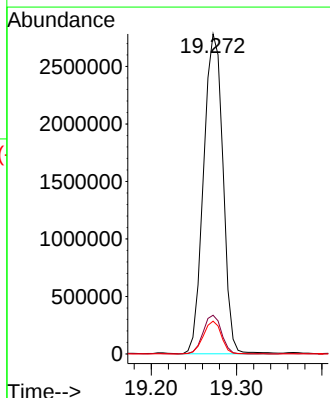
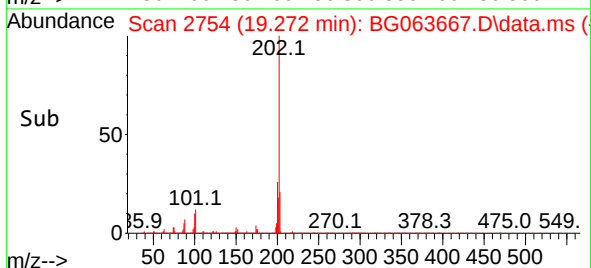
Reviewed By :Yogesh Patel 12/13/2024
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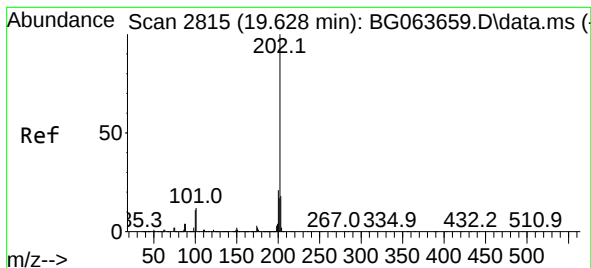


#80
Fluoranthene
Concen: 70.532 ng/ul
RT: 19.272 min Scan# 2754
Delta R.T. 0.003 min
Lab File: BG063667.D
Acq: 12 Dec 2024 14:34



Tgt Ion:202 Resp: 4400277
Ion Ratio Lower Upper
202 100
101 12.1 8.1 12.1
100 10.2 6.5 9.7#





#82

Pyrene

Concen: 60.121 ng/ul

RT: 19.637 min Scan# 2816

Delta R.T. 0.003 min

Lab File: BG063667.D

Acq: 12 Dec 2024 14:34

Instrument :

BNA_G

ClientSampleId :

E28P3DL

Tgt Ion:202 Resp: 399055

Ion Ratio Lower Upper

202 100

101 14.2 8.7 13.1

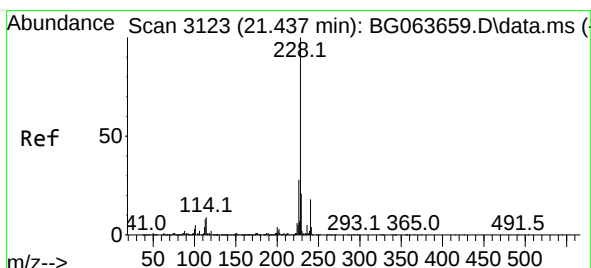
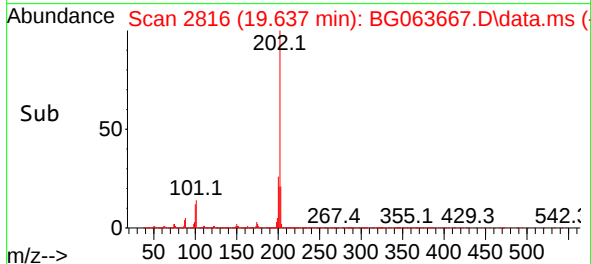
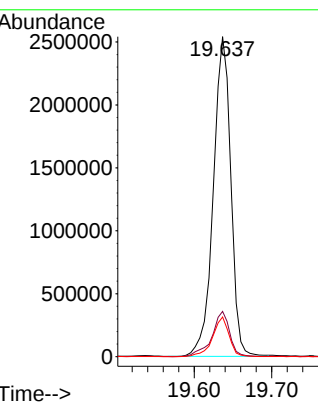
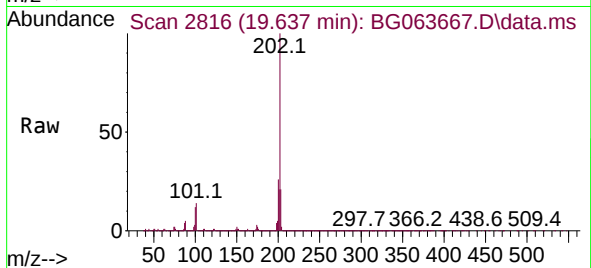
100 12.4 7.8 11.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/13/2024

Supervised By :mohammad ahmed 12/13/2024



#85

Benzo(a)anthracene

Concen: 35.628 ng/ul

RT: 21.440 min Scan# 3123

Delta R.T. -0.003 min

Lab File: BG063667.D

Acq: 12 Dec 2024 14:34

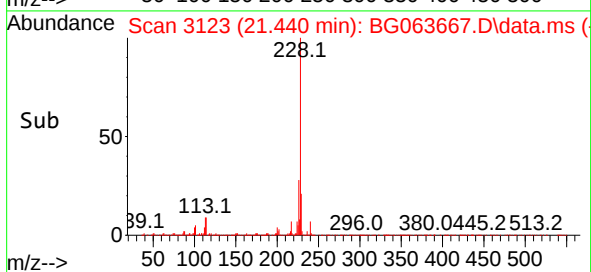
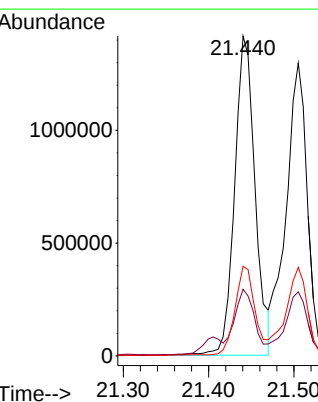
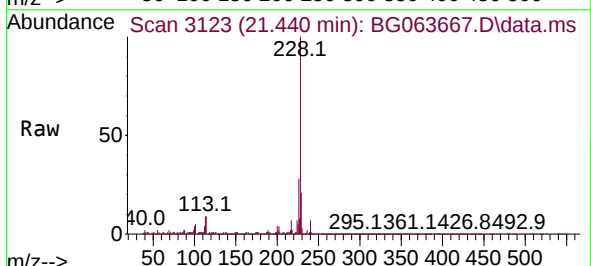
Tgt Ion:228 Resp: 2355226

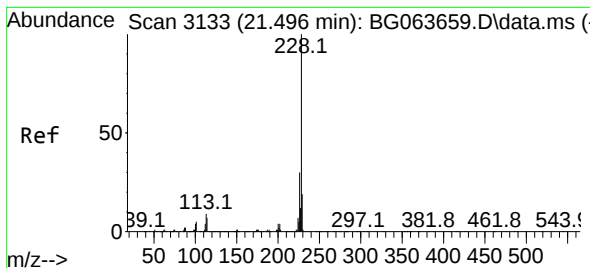
Ion Ratio Lower Upper

228 100

229 20.8 15.7 23.5

226 28.0 22.0 33.0





#87

Chrysene

Concen: 35.381 ng/u1

RT: 21.505 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG063667.D

Acq: 12 Dec 2024 14:34

Instrument :

BNA_G

ClientSampleId :

E28P3DL

Tgt Ion:228 Resp: 2229169

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.0

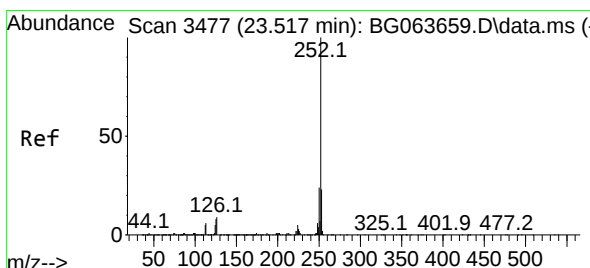
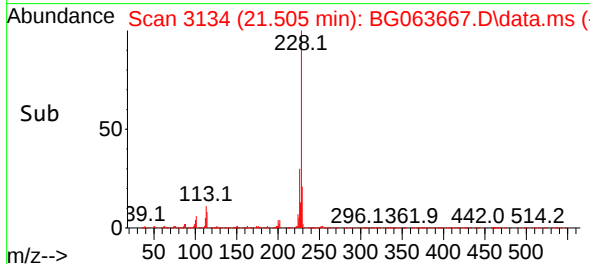
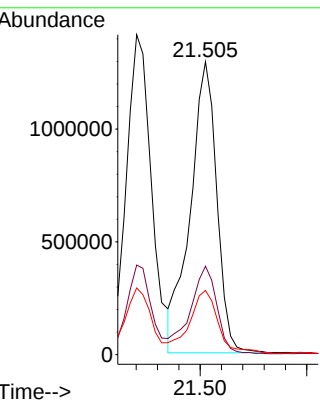
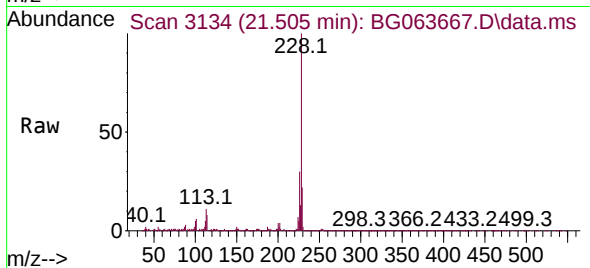
229 21.9 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/13/2024

Supervised By :mohammad ahmed 12/13/2024



#90

Benzo(b)fluoranthene

Concen: 43.193 ng/u1

RT: 23.538 min Scan# 3480

Delta R.T. 0.015 min

Lab File: BG063667.D

Acq: 12 Dec 2024 14:34

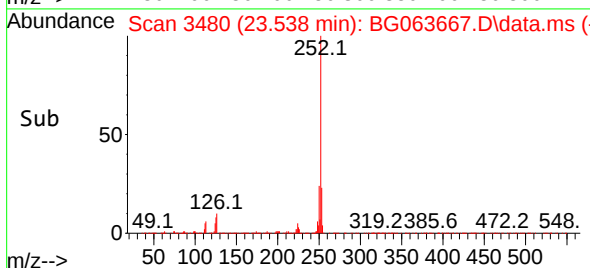
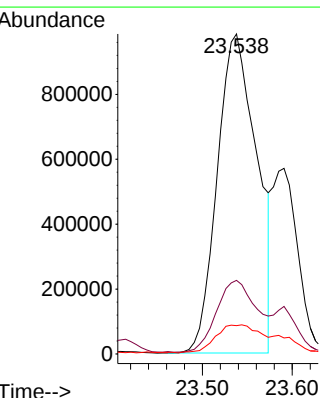
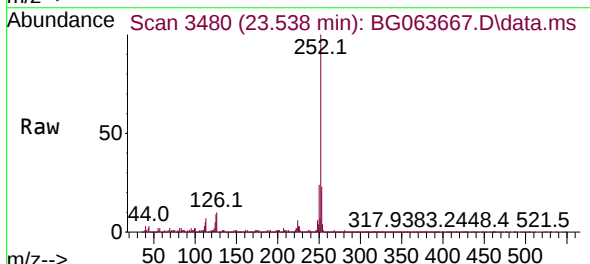
Tgt Ion:252 Resp: 3011979

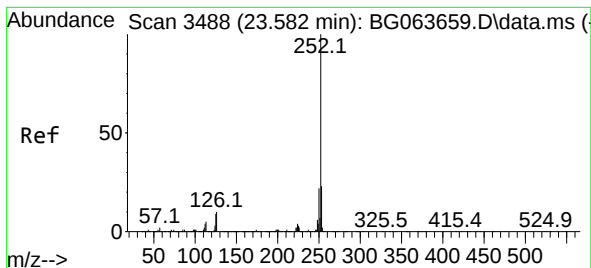
Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 8.9 7.0 10.4





#91

Benzo(k)fluoranthene

Concen: 16.002 ng/ul m

RT: 23.591 min Scan# 34

Delta R.T. 0.003 min

Lab File: BG063667.D

Acq: 12 Dec 2024 14:34

Instrument :

BNA_G

ClientSampleId :

E28P3DL

Tgt Ion:252 Resp: 111305

Ion Ratio Lower Upper

252 100

253 25.6 17.7 26.5

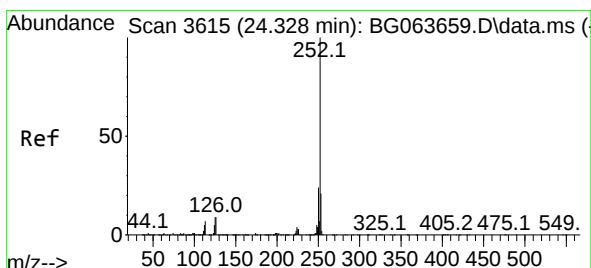
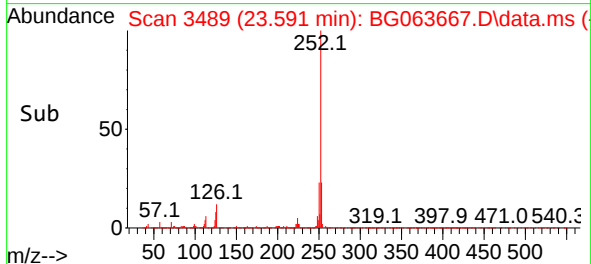
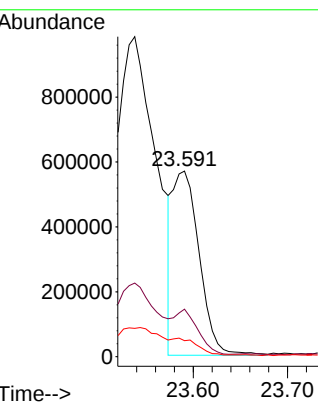
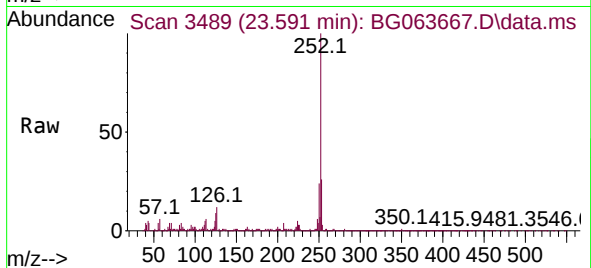
125 8.6 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/13/2024

Supervised By :mohammad ahmed 12/13/2024



#93

Benzo(a)pyrene

Concen: 33.721 ng/ul

RT: 24.349 min Scan# 3618

Delta R.T. 0.009 min

Lab File: BG063667.D

Acq: 12 Dec 2024 14:34

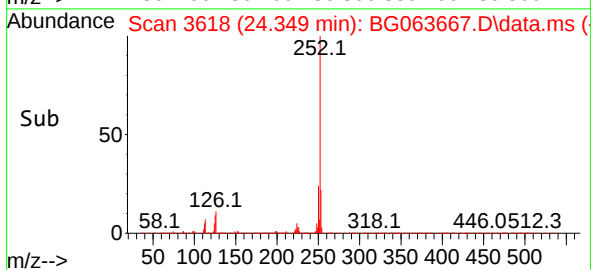
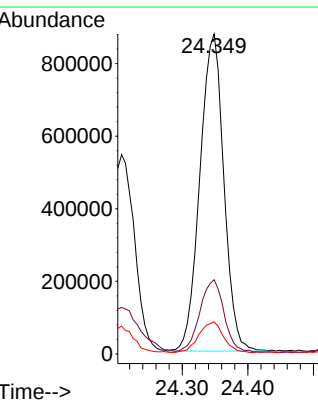
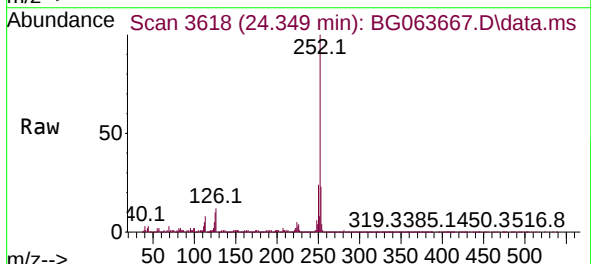
Tgt Ion:252 Resp: 2207156

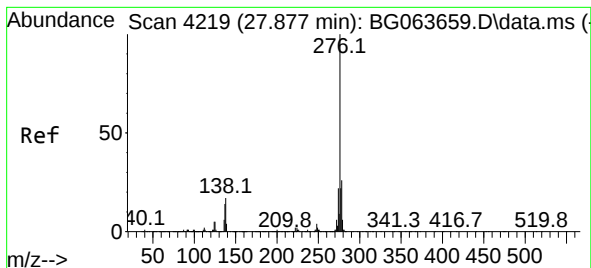
Ion Ratio Lower Upper

252 100

253 23.2 16.6 24.8

125 10.0 8.0 12.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 15.988 ng/ul

RT: 27.903 min Scan# 4219

Delta R.T. 0.015 min

Lab File: BG063667.D

Acq: 12 Dec 2024 14:34

Instrument :

BNA_G

ClientSampleId :

E28P3DL

Tgt Ion:276 Resp: 127801

Ion Ratio Lower Upper

276 100

138 19.5 13.7 20.5

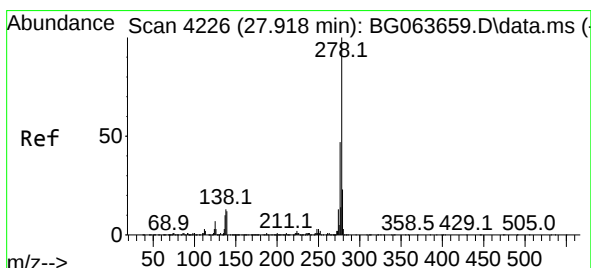
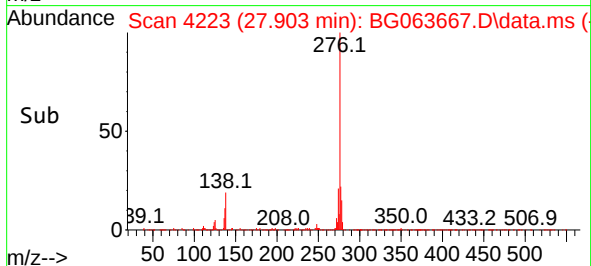
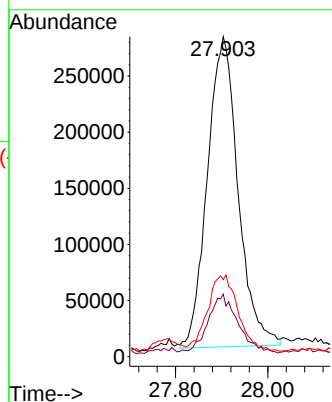
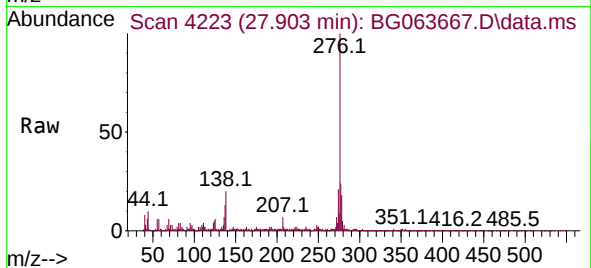
277 24.1 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/13/2024

Supervised By :mohammad ahmed 12/13/2024



#95

Dibenzo(a,h)anthracene

Concen: 4.860 ng/ul m

RT: 27.921 min Scan# 4226

Delta R.T. -0.014 min

Lab File: BG063667.D

Acq: 12 Dec 2024 14:34

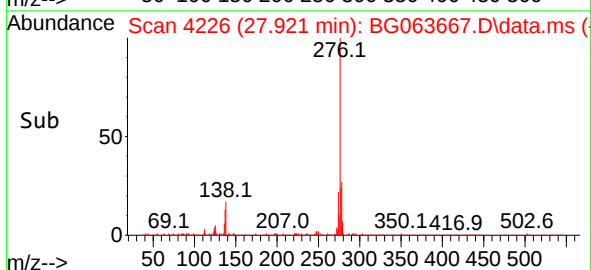
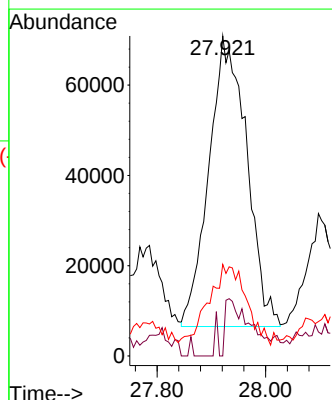
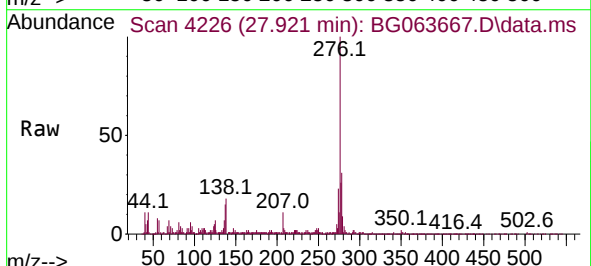
Tgt Ion:278 Resp: 310875

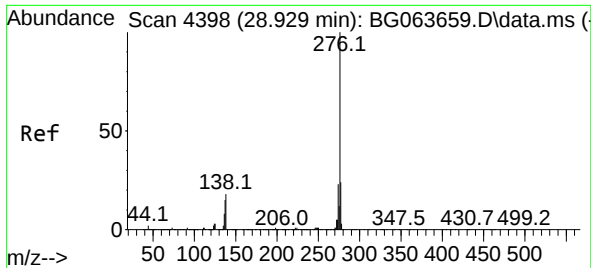
Ion Ratio Lower Upper

278 100

139 0.0 9.7 14.5#

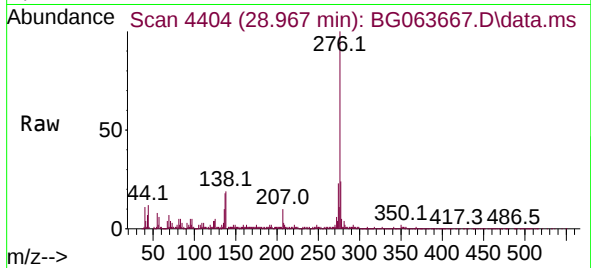
279 28.6 17.3 25.9#





#96
 Benzo(g,h,i)perylene
 Concen: 20.022 ng/ul m
 RT: 28.967 min Scan# 44
 Delta R.T. 0.027 min
 Lab File: BG063667.D
 Acq: 12 Dec 2024 14:34

Instrument :
 BNA_G
 ClientSampleId :
 E28P3DL



Tgt Ion:276 Resp: 1269962
 Ion Ratio Lower Upper
 276 100
 138 18.7 13.8 20.8
 277 24.1 17.8 26.8

Manual Integrations
 APPROVED

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

