

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090225\
 Data File : BG064247.D
 Acq On : 2 Sep 2025 16:06
 Operator : RC/JU
 Sample : Q2997-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-01-082925

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/03/2025
 Supervised By :Jagrut Upadhyay 09/03/2025

Quant Time: Sep 02 16:51:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.858	152	45874	20.000	ng	0.00
21) Naphthalene-d8	10.649	136	193218	20.000	ng	# 0.00
39) Acenaphthene-d10	14.480	164	128987	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	261211	20.000	ng	0.00
76) Chrysene-d12	21.454	240	257026	20.000	ng	0.00
86) Perylene-d12	24.468	264	291814	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.449	112	61421	24.021	ng	0.00
7) Phenol-d6	7.024	99	82245	23.413	ng	0.00
23) Nitrobenzene-d5	9.010	82	54548	15.745	ng	0.00
42) 2,4,6-Tribromophenol	15.966	330	35853	20.985	ng	0.00
45) 2-Fluorobiphenyl	13.105	172	137364	16.255	ng	0.00
79) Terphenyl-d14	19.838	244	222074	18.026	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.204	152	25899	2.481	ng	# 88
58) Fluorene	15.531	166	24142	2.542	ng	93
71) Phenanthrene	17.265	178	260196	18.886	ng	97
72) Anthracene	17.353	178	79407	5.666	ng	98
73) Carbazole	17.623	167	31443	2.547	ng	# 88
75) Fluoranthene	19.274	202	804968	49.691	ng	97
78) Pyrene	19.638	202	772485	47.705	ng	100
81) Benzo(a)anthracene	21.436	228	456321	27.751	ng	99
83) Chrysene	21.495	228	414294	26.244	ng	96
87) Indeno(1,2,3-cd)pyrene	27.870	276	260340	13.064	ng	# 92
88) Benzo(b)fluoranthene	23.528	252	602134	36.560	ng	# 97
89) Benzo(k)fluoranthene	23.575	252	236258m	14.081	ng	
90) Benzo(a)pyrene	24.333	252	447823	29.230	ng	98
91) Dibenzo(a,h)anthracene	27.917	278	63214	3.951	ng	# 92
92) Benzo(g,h,i)perylene	28.927	276	231247	14.852	ng	95

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

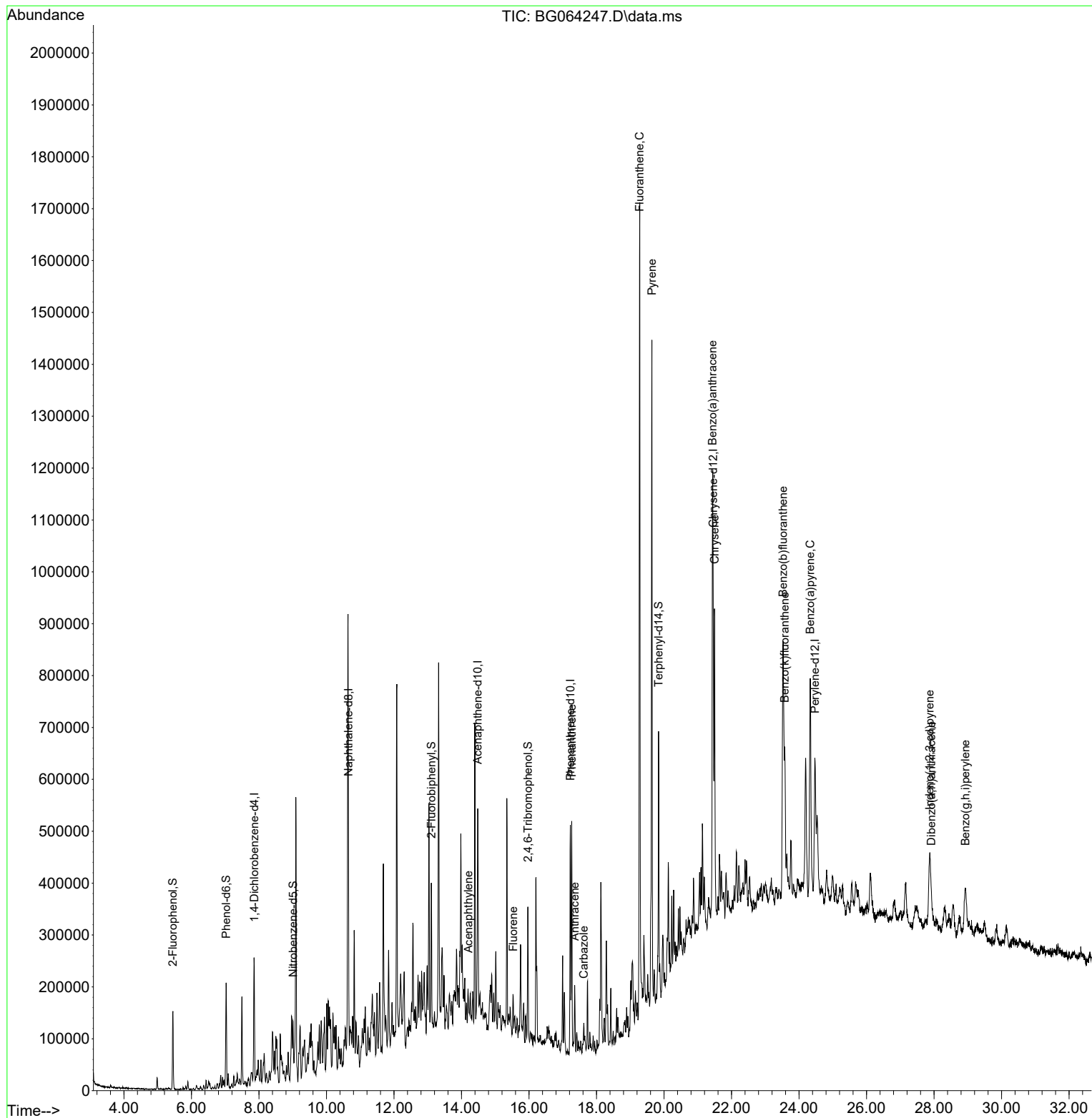
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090225\
Data File : BG064247.D
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Misc :
ALS Vial : 9 Sample Multiplier: 1

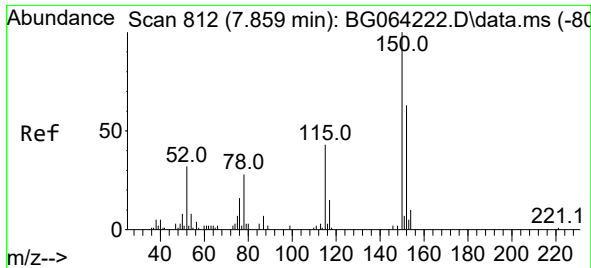
Instrument :
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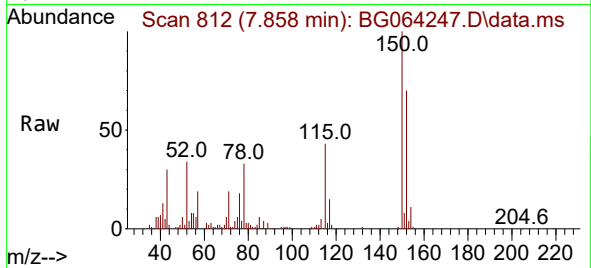
Quant Time: Sep 02 16:51:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 28 17:41:58 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.858 min Scan# 812
Delta R.T. -0.001 min
Lab File: BG064247.D
Acq: 2 Sep 2025 16:06

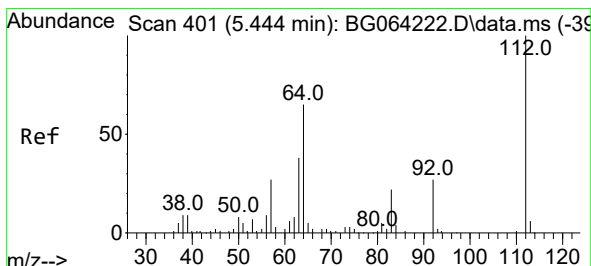
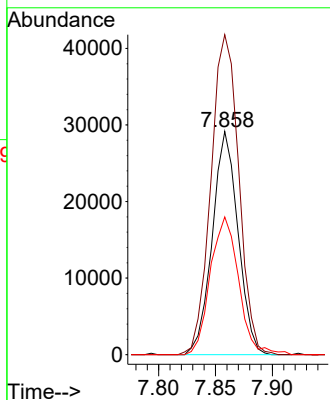
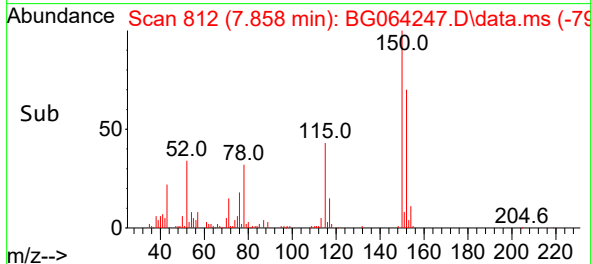
Instrument :
BNA_G
ClientSampleId :
EO-01-082925



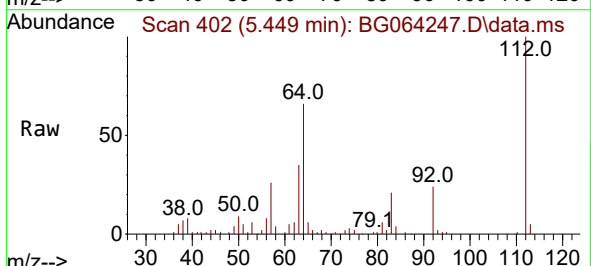
Tgt Ion:152 Resp: 45874
Ion Ratio Lower Upper
152 100
150 143.4 128.0 192.0
115 61.7 55.7 83.5

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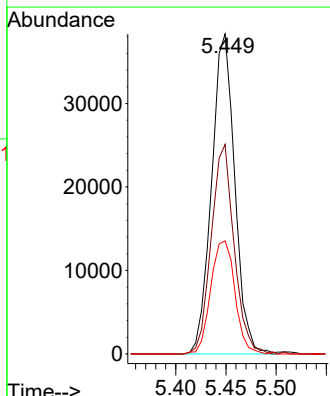
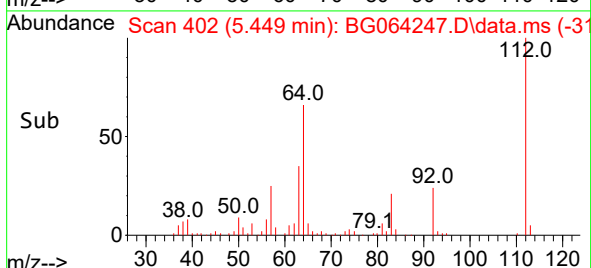
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025

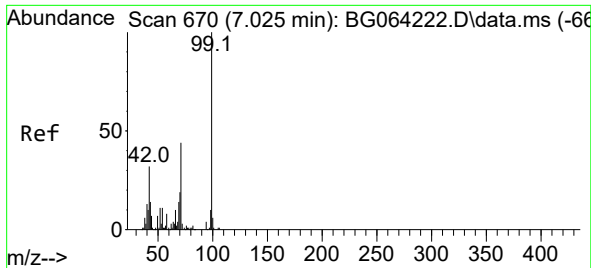


#5
2-Fluorophenol
Concen: 24.021 ng
RT: 5.449 min Scan# 402
Delta R.T. 0.005 min
Lab File: BG064247.D
Acq: 2 Sep 2025 16:06



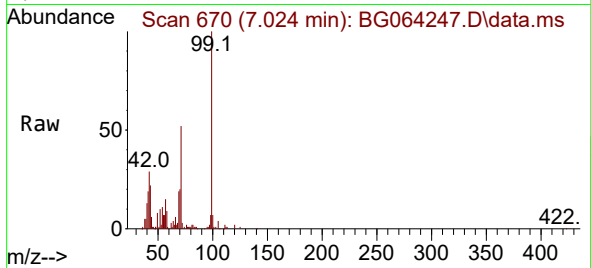
Tgt Ion:112 Resp: 61421
Ion Ratio Lower Upper
112 100
64 65.5 51.8 77.6
63 35.4 30.6 45.8





#7
Phenol-d6
Concen: 23.413 ng
RT: 7.024 min Scan# 61
Delta R.T. -0.007 min
Lab File: BG064247.D
Acq: 2 Sep 2025 16:06

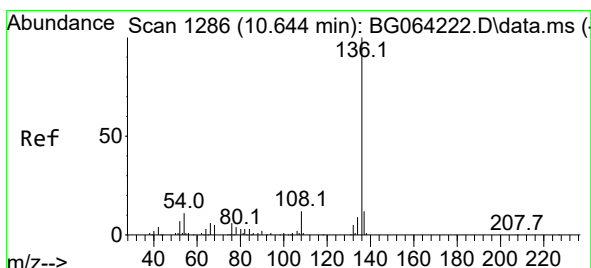
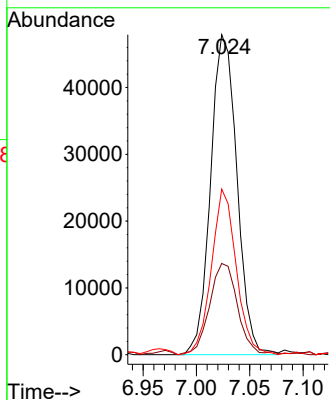
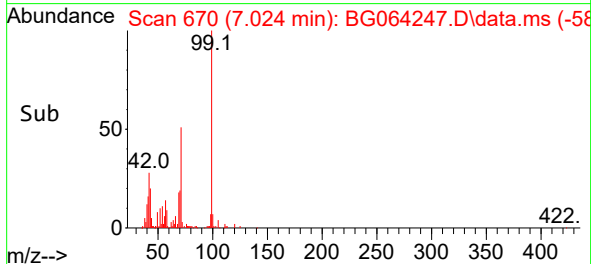
Instrument :
BNA_G
ClientSampleId :
EO-01-082925



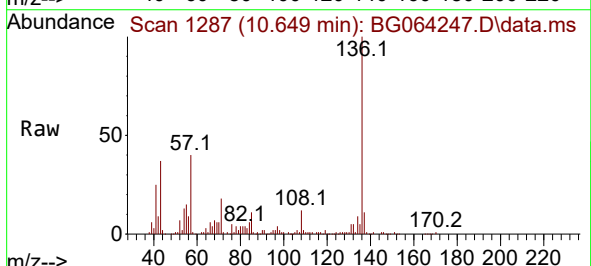
Tgt Ion: 99 Resp: 8224
Ion Ratio Lower Upper
99 100
42 28.5 25.8 38.8
71 51.7 35.2 52.8

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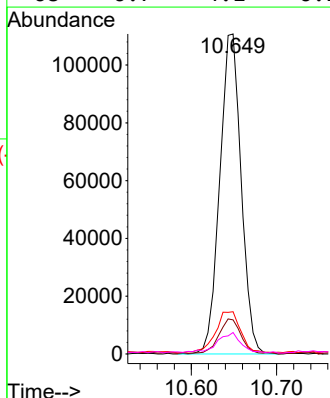
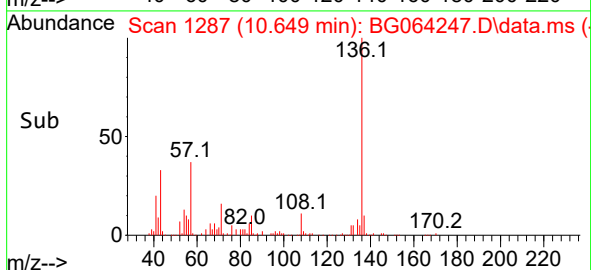
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025

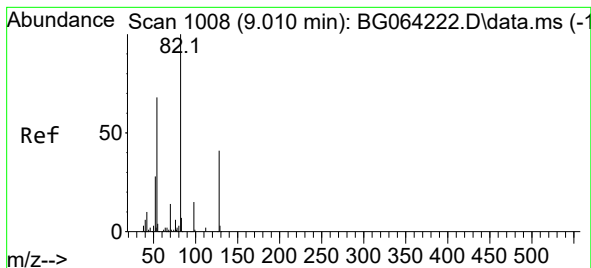


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.649 min Scan# 1287
Delta R.T. -0.001 min
Lab File: BG064247.D
Acq: 2 Sep 2025 16:06



Tgt Ion:136 Resp: 193218
Ion Ratio Lower Upper
136 100
137 10.6 9.6 14.4
54 13.2 8.8 13.2#
68 6.7 4.1 6.1#





#23
Nitrobenzene-d5
Concen: 15.745 ng
RT: 9.010 min Scan# 1008
Delta R.T. -0.007 min
Lab File: BG064247.D
Acq: 2 Sep 2025 16:06

Instrument :

BNA_G

ClientSampleId :

EO-01-082925

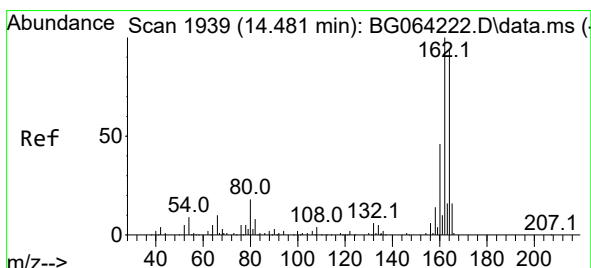
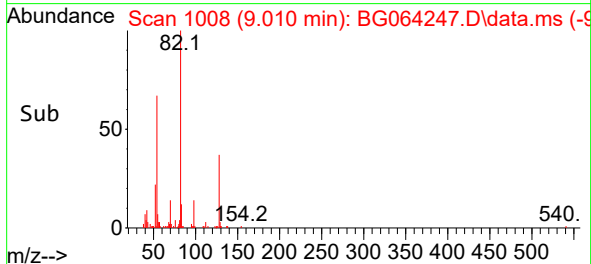
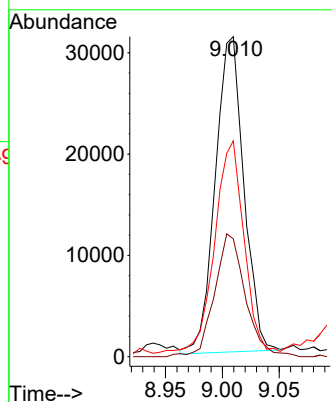
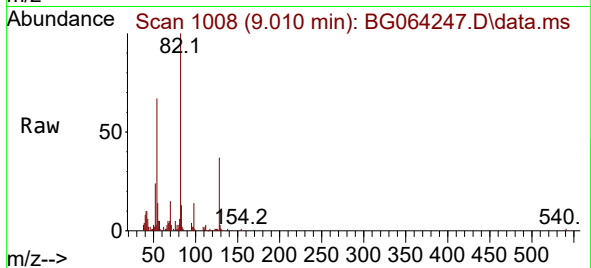
Tgt Ion: 82 Resp: 54548
Ion Ratio Lower Upper
82 100
128 36.8 32.6 48.8
54 67.4 54.7 82.1

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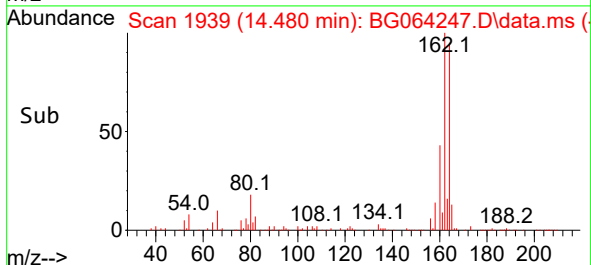
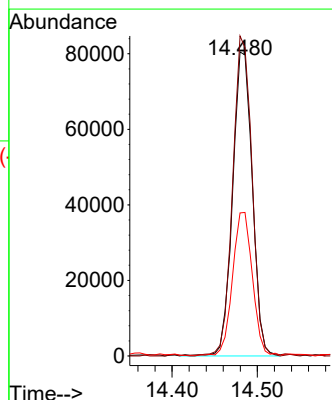
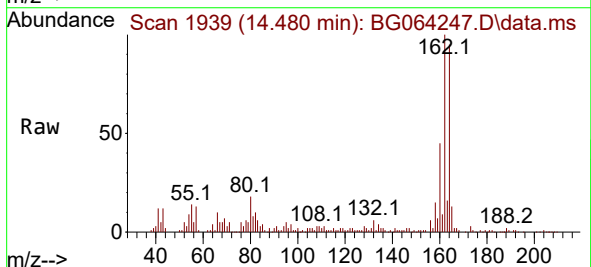
Reviewed By :Rahul Chavli 09/03/2025

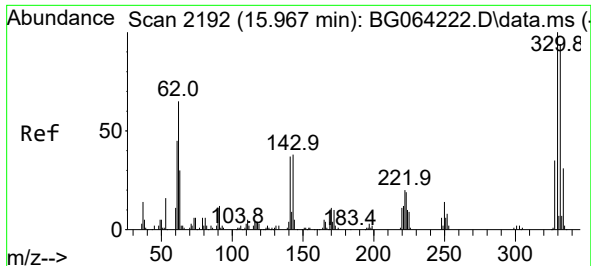
Supervised By :Jagrut Upadhyay 09/03/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1939
Delta R.T. -0.001 min
Lab File: BG064247.D
Acq: 2 Sep 2025 16:06

Tgt Ion:164 Resp: 128987
Ion Ratio Lower Upper
164 100
162 105.2 85.4 128.0
160 47.1 39.2 58.8





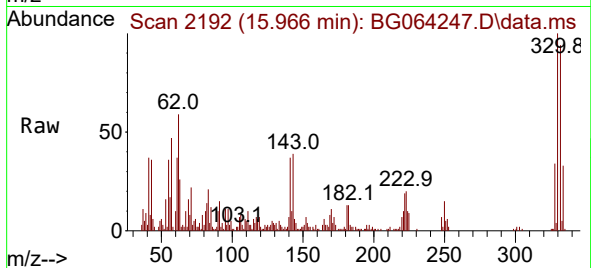
#42
2,4,6-Tribromophenol
Concen: 20.985 ng
RT: 15.966 min Scan# 2192
Delta R.T. -0.007 min
Lab File: BG064247.D
Acq: 2 Sep 2025 16:06

Instrument :

BNA_G

ClientSampleId :

EO-01-082925



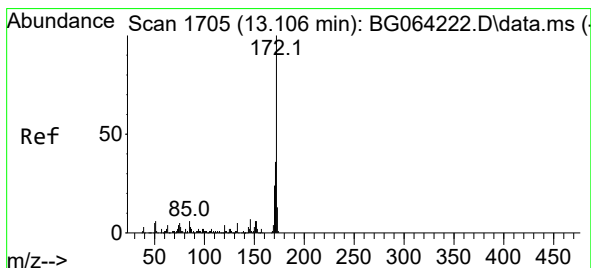
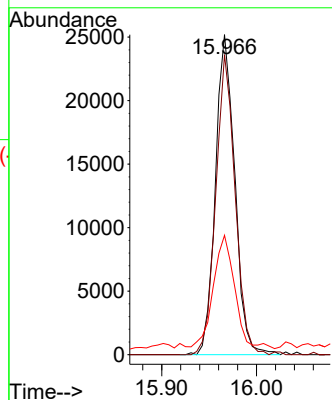
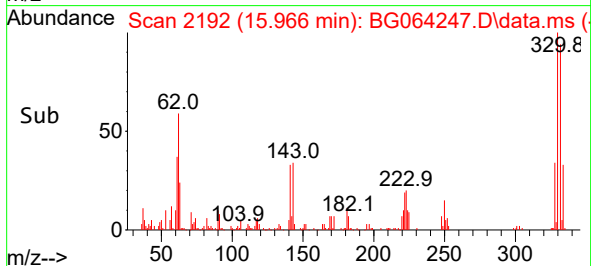
Tgt Ion:330 Resp: 3585
Ion Ratio Lower Upper
330 100
332 93.5 77.6 116.4
141 39.3 29.8 44.6

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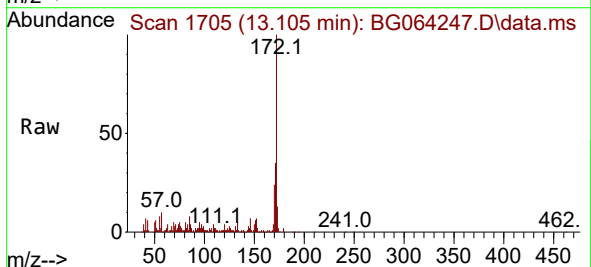
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Reviewed By :Rahul Chavli 09/03/2025

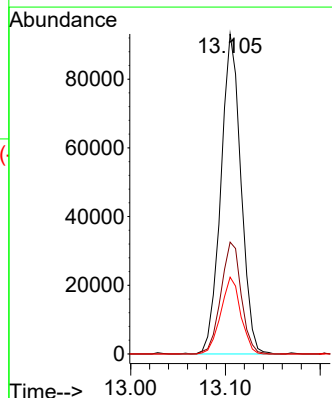
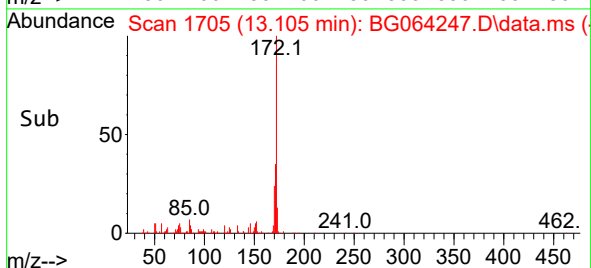
Supervised By :Jagrut Upadhyay 09/03/2025

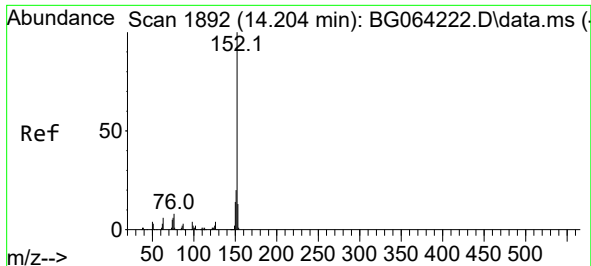


#45
2-Fluorobiphenyl
Concen: 16.255 ng
RT: 13.105 min Scan# 1705
Delta R.T. -0.007 min
Lab File: BG064247.D
Acq: 2 Sep 2025 16:06



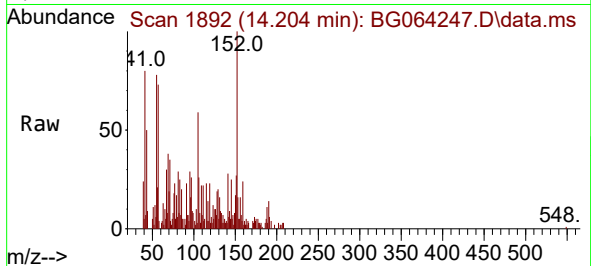
Tgt Ion:172 Resp: 137364
Ion Ratio Lower Upper
172 100
171 35.0 28.7 43.1
170 24.0 19.0 28.6





#49
Acenaphthylene
Concen: 2.481 ng
RT: 14.204 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG064247.D
Acq: 2 Sep 2025 16:06

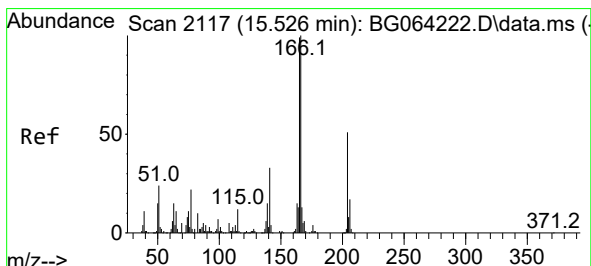
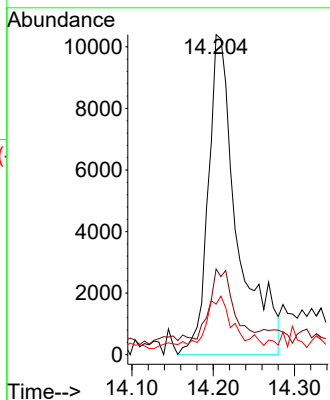
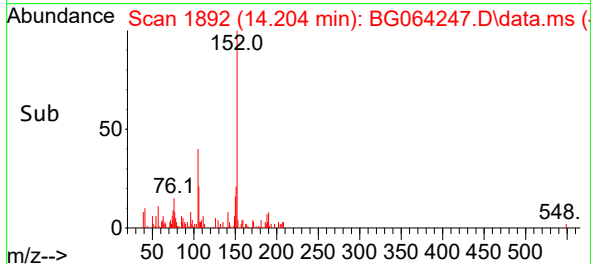
Instrument :
BNA_G
ClientSampleId :
EO-01-082925



Tgt Ion:152 Resp: 2589
Ion Ratio Lower Upper
152 100
151 26.8 16.2 24.2
153 15.8 10.1 15.1

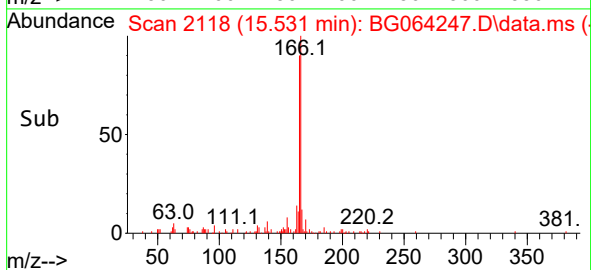
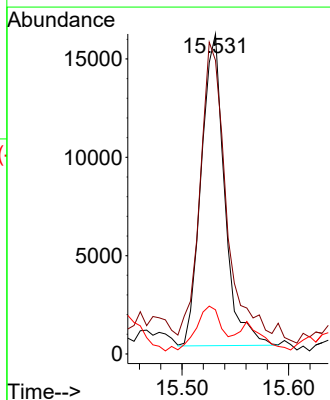
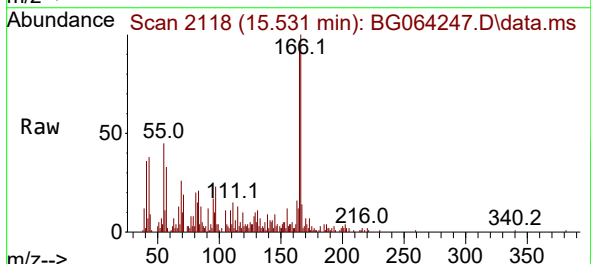
Manual Integrations
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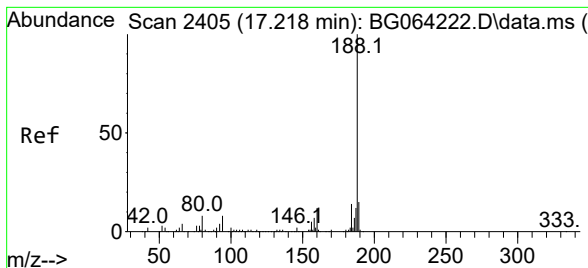
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025



#58
Fluorene
Concen: 2.542 ng
RT: 15.531 min Scan# 2118
Delta R.T. -0.001 min
Lab File: BG064247.D
Acq: 2 Sep 2025 16:06

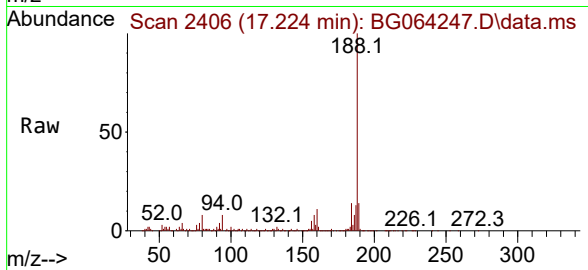
Tgt Ion:166 Resp: 24142
Ion Ratio Lower Upper
166 100
165 91.8 79.1 118.7
167 13.8 10.2 15.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 2406
Delta R.T. -0.001 min
Lab File: BG064247.D
Acq: 2 Sep 2025 16:06

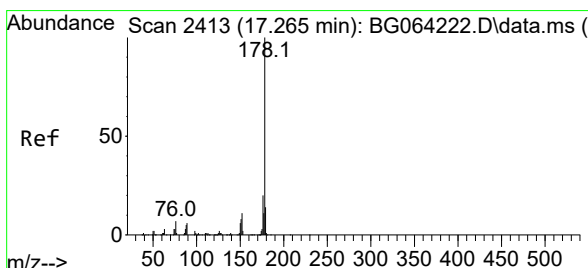
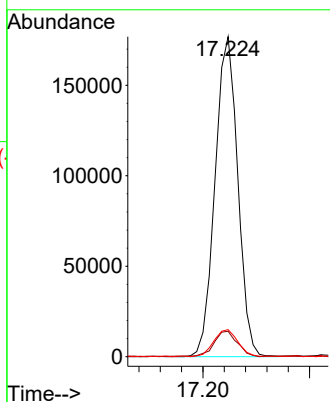
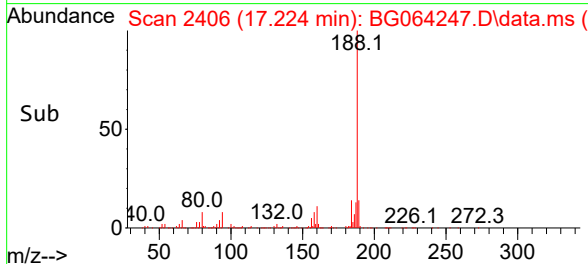
Instrument :
BNA_G
ClientSampleId :
EO-01-082925



Tgt Ion:188 Resp: 26121
Ion Ratio Lower Upper
188 100
94 8.0 6.2 9.4
80 8.4 6.8 10.2

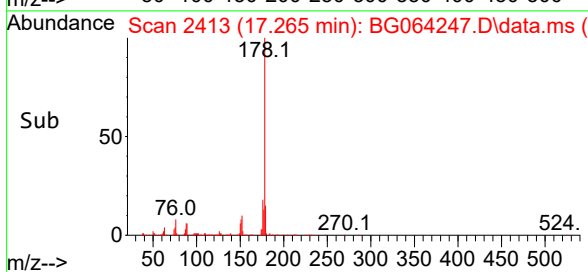
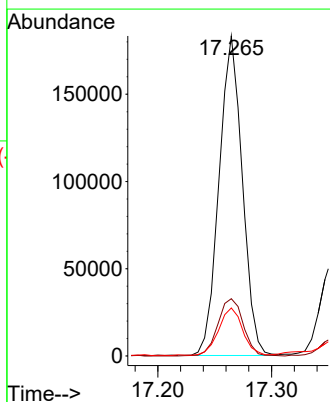
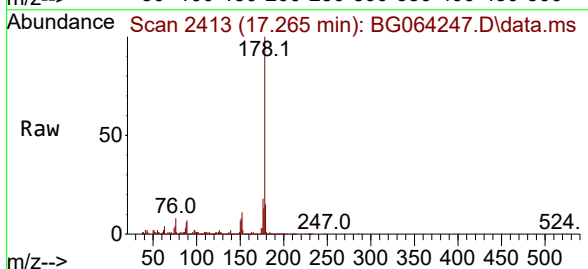
Manual Integrations
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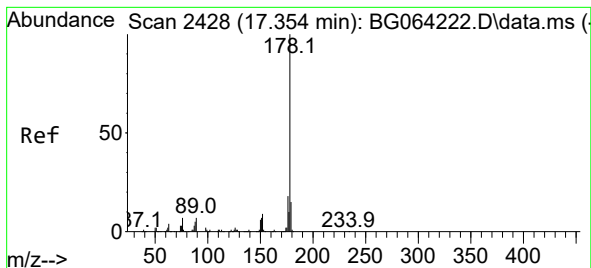
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025



#71
Phenanthrene
Concen: 18.886 ng
RT: 17.265 min Scan# 2413
Delta R.T. -0.001 min
Lab File: BG064247.D
Acq: 2 Sep 2025 16:06

Tgt Ion:178 Resp: 260196
Ion Ratio Lower Upper
178 100
176 17.9 15.9 23.9
179 15.0 11.4 17.2





#72

Anthracene

Concen: 5.666 ng

RT: 17.353 min Scan# 2428

Delta R.T. -0.007 min

Lab File: BG064247.D

Acq: 2 Sep 2025 16:06

Instrument :

BNA_G

ClientSampleId :

EO-01-082925

Tgt Ion:178 Resp: 7940

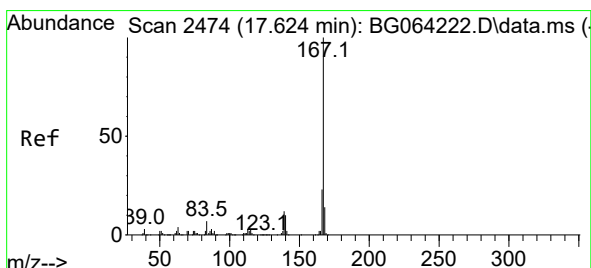
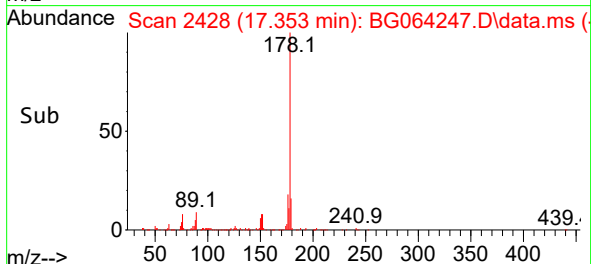
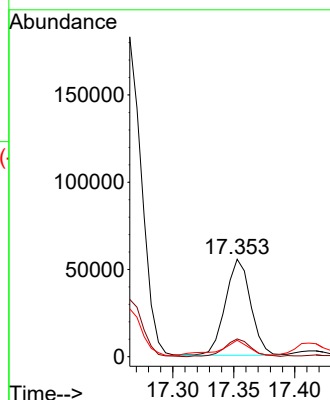
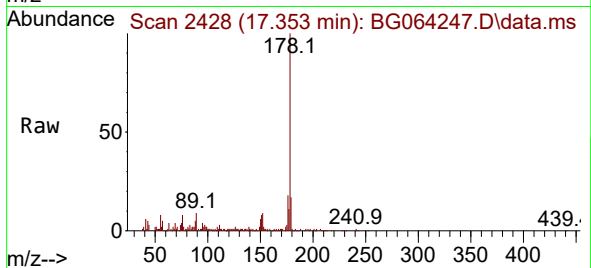
Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	16.9	12.1	18.1

Manual Integrations

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Reviewed By :Rahul Chavli 09/03/2025

Supervised By :Jagrut Upadhyay 09/03/2025



#73

Carbazole

Concen: 2.547 ng

RT: 17.623 min Scan# 2474

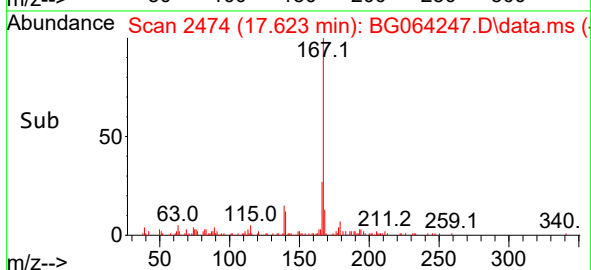
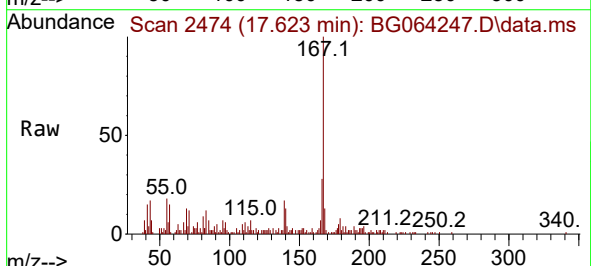
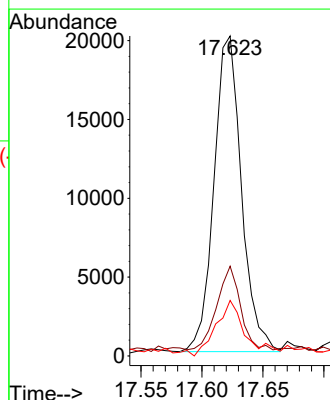
Delta R.T. -0.001 min

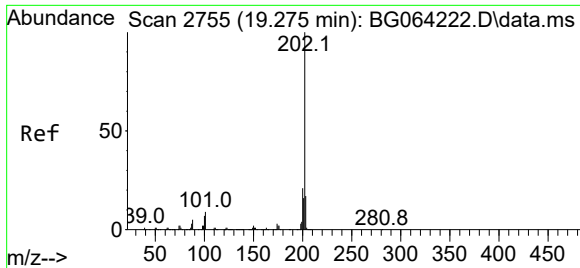
Lab File: BG064247.D

Acq: 2 Sep 2025 16:06

Tgt Ion:167 Resp: 31443

Ion	Ratio	Lower	Upper
167	100		
166	28.0	18.2	27.2#
139	17.3	9.8	14.6#





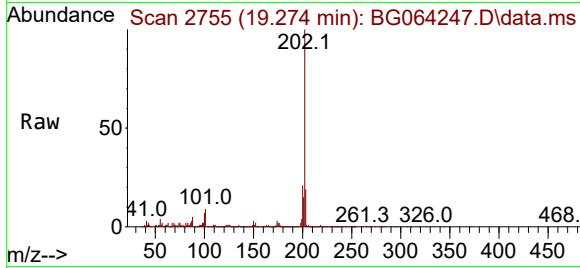
#75
Fluoranthene
Concen: 49.691 ng
RT: 19.274 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064247.D
Acq: 2 Sep 2025 16:06

Instrument :

BNA_G

ClientSampleId :

EO-01-082925



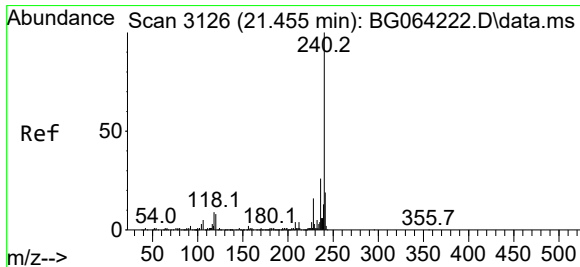
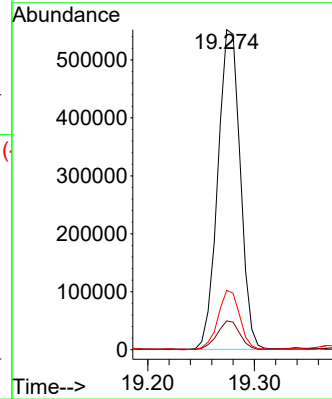
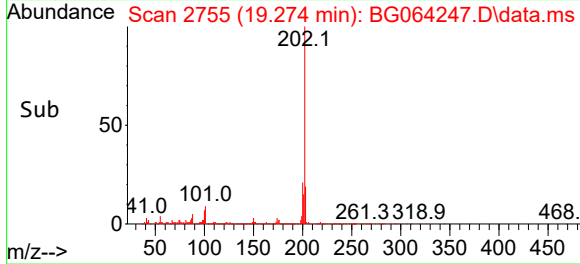
Tgt Ion:202 Resp: 804968
Ion Ratio Lower Upper
202 100
101 9.0 0.0 28.7
203 18.5 0.0 36.9

Manual Integrations

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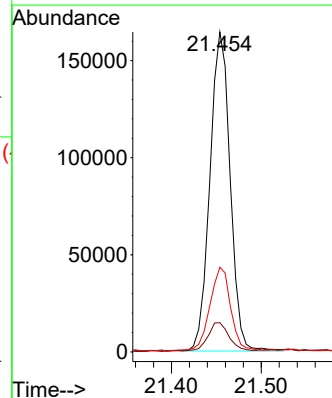
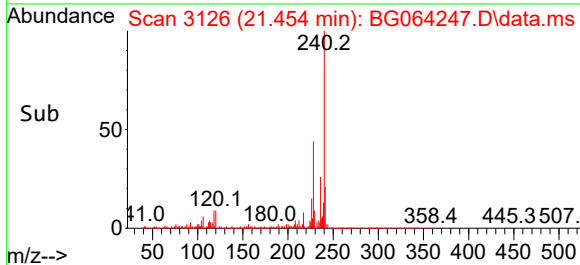
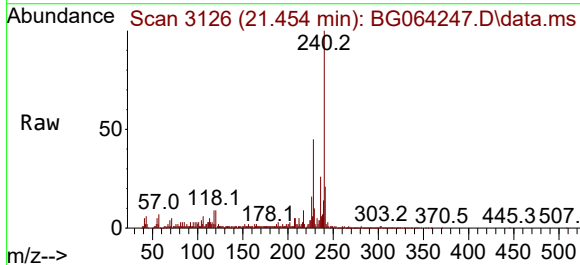
Reviewed By :Rahul Chavli 09/03/2025

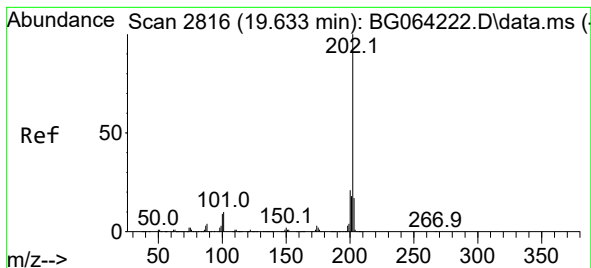
Supervised By :Jagrut Upadhyay 09/03/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.454 min Scan# 3126
Delta R.T. -0.001 min
Lab File: BG064247.D
Acq: 2 Sep 2025 16:06

Tgt Ion:240 Resp: 257026
Ion Ratio Lower Upper
240 100
120 9.2 6.2 9.4
236 26.4 20.5 30.7





#78

Pyrene

Concen: 47.705 ng

RT: 19.638 min Scan# 2816

Delta R.T. -0.001 min

Lab File: BG064247.D

Acq: 2 Sep 2025 16:06

Instrument :

BNA_G

ClientSampleId :

EO-01-082925

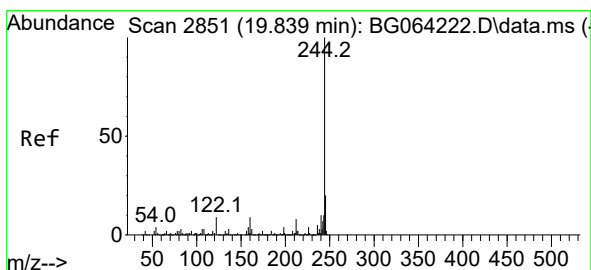
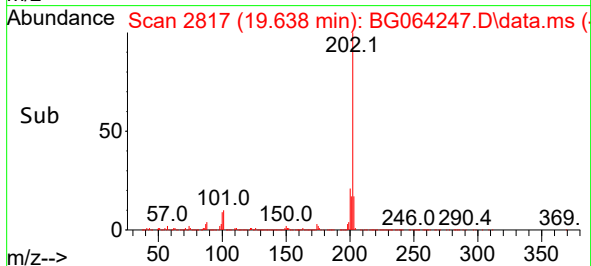
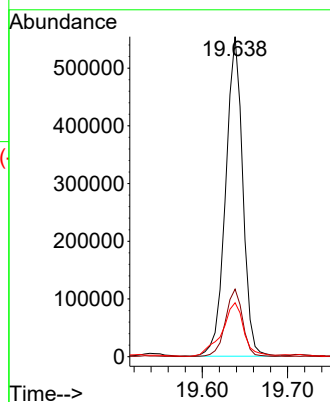
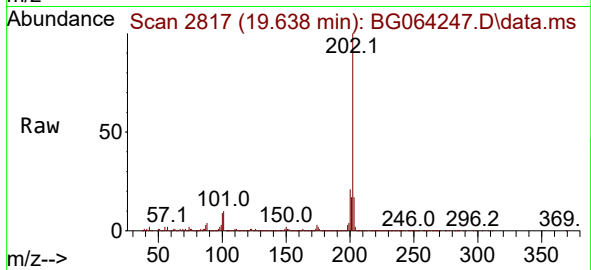
Tgt Ion:202 Resp: 772485
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.9 25.3
 203 16.8 13.8 20.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/03/2025

Supervised By :Jagrut Upadhyay 09/03/2025



#79

Terphenyl-d14

Concen: 18.026 ng

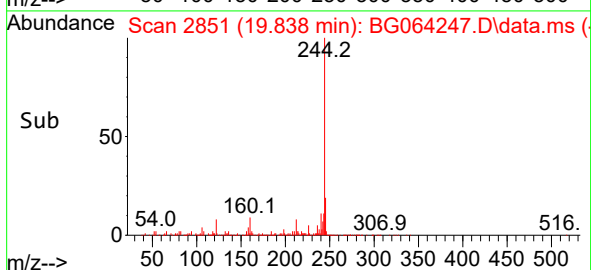
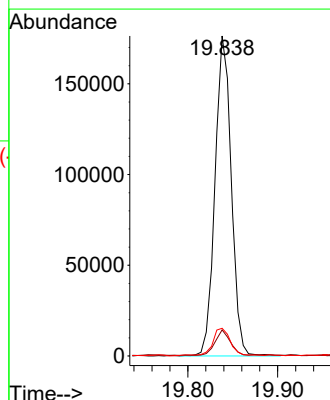
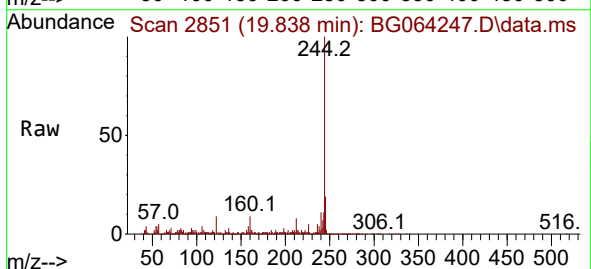
RT: 19.838 min Scan# 2851

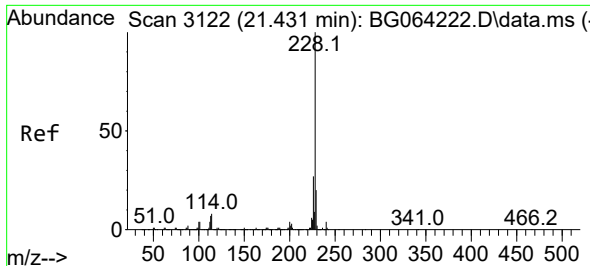
Delta R.T. -0.007 min

Lab File: BG064247.D

Acq: 2 Sep 2025 16:06

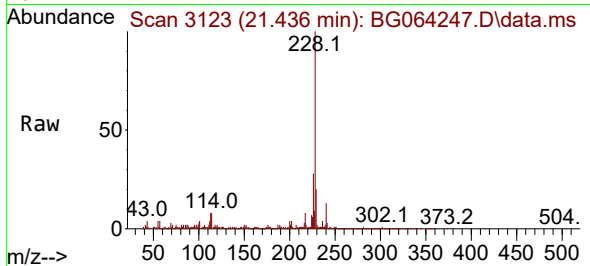
Tgt Ion:244 Resp: 222074
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.6 10.0
 122 8.6 7.0 10.6





#81
Benzo(a)anthracene
Concen: 27.751 ng
RT: 21.436 min Scan# 3122
Delta R.T. -0.001 min
Lab File: BG064247.D
Acq: 2 Sep 2025 16:06

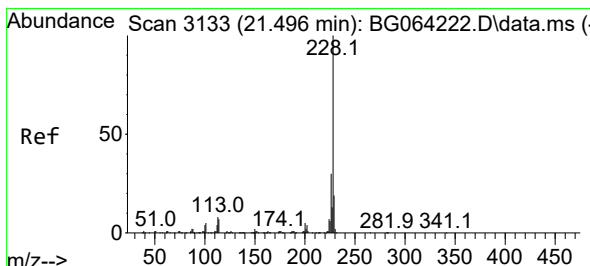
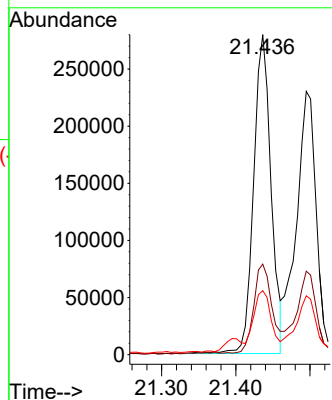
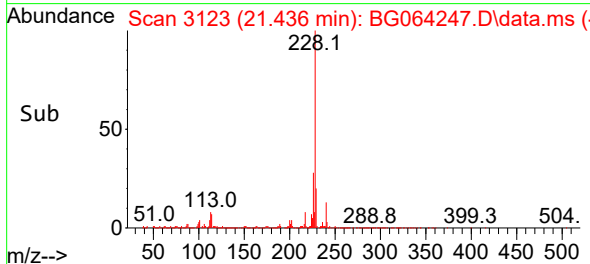
Instrument :
BNA_G
ClientSampleId :
EO-01-082925



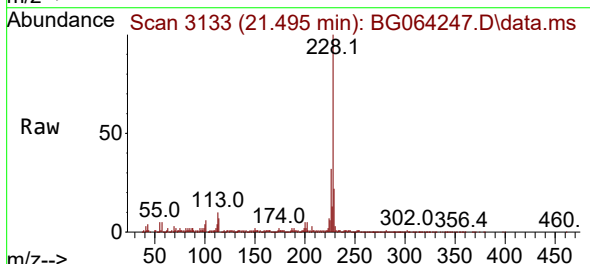
Tgt Ion:228 Resp: 45632
Ion Ratio Lower Upper
228 100
226 28.3 21.7 32.5
229 20.0 15.9 23.9

Manual Integrations
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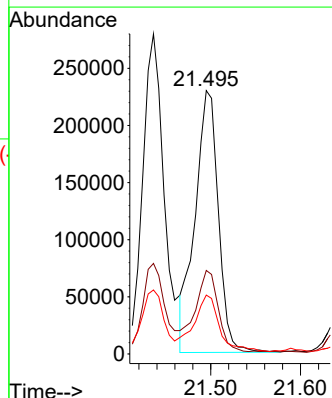
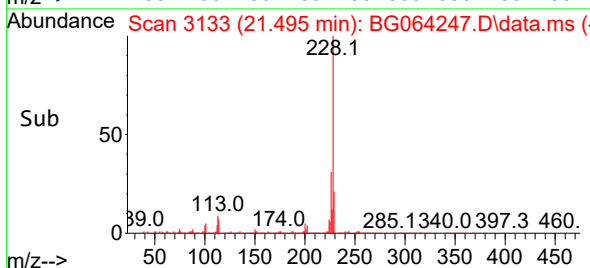
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025

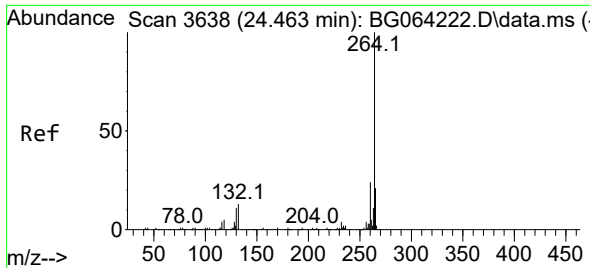


#83
Chrysene
Concen: 26.244 ng
RT: 21.495 min Scan# 3133
Delta R.T. -0.007 min
Lab File: BG064247.D
Acq: 2 Sep 2025 16:06



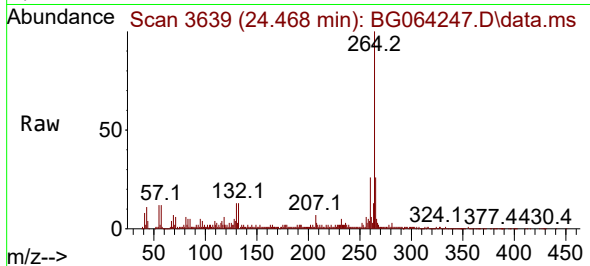
Tgt Ion:228 Resp: 414294
Ion Ratio Lower Upper
228 100
226 31.7 24.2 36.2
229 22.4 15.4 23.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 30
Delta R.T. 0.005 min
Lab File: BG064247.D
Acq: 2 Sep 2025 16:06

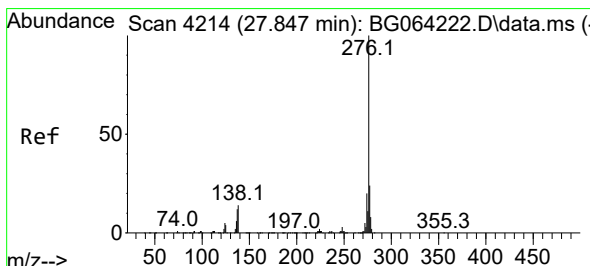
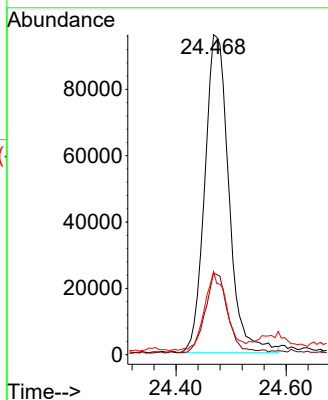
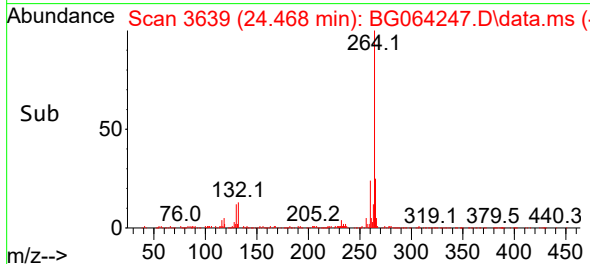
Instrument :
BNA_G
ClientSampleId :
EO-01-082925



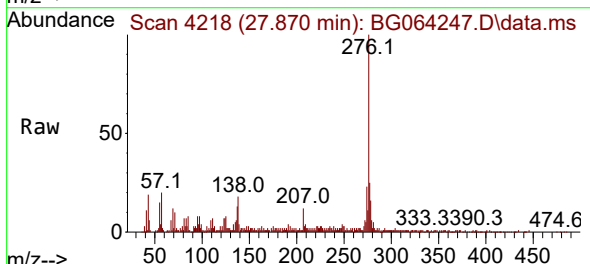
Tgt Ion:264 Resp: 291814
Ion Ratio Lower Upper
264 100
260 25.6 18.9 28.3
265 25.9 16.7 25.1

Manual Integrations
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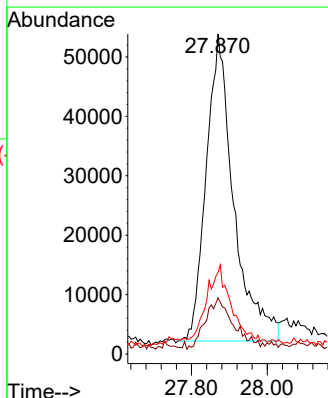
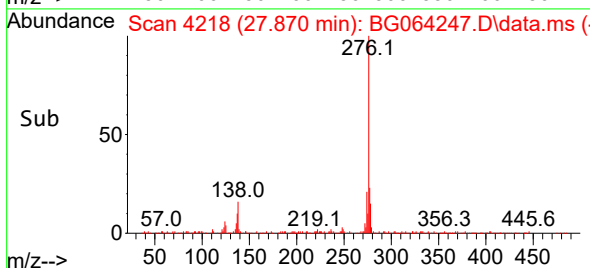
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025

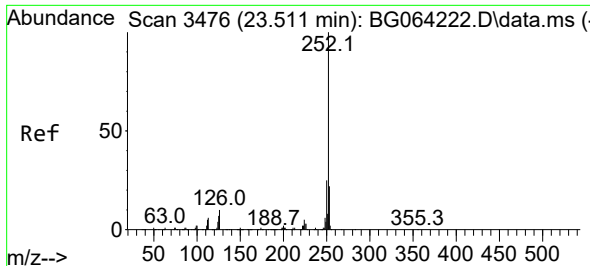


#87
Indeno(1,2,3-cd)pyrene
Concen: 13.064 ng
RT: 27.870 min Scan# 4218
Delta R.T. -0.001 min
Lab File: BG064247.D
Acq: 2 Sep 2025 16:06



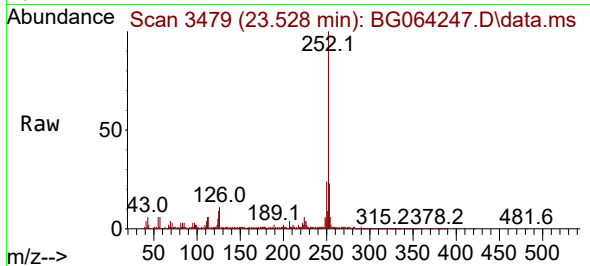
Tgt Ion:276 Resp: 260340
Ion Ratio Lower Upper
276 100
138 14.9 7.4 11.0#
277 23.0 20.5 30.7





#88
Benzo(b)fluoranthene
Concen: 36.560 ng
RT: 23.528 min Scan# 3476
Delta R.T. 0.011 min
Lab File: BG064247.D
Acq: 2 Sep 2025 16:06

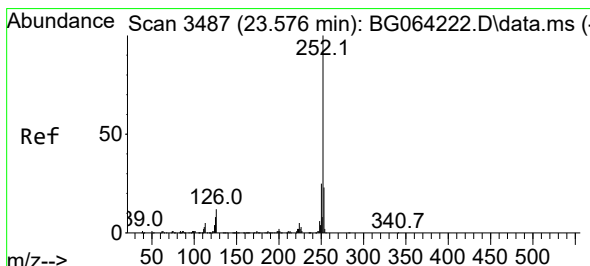
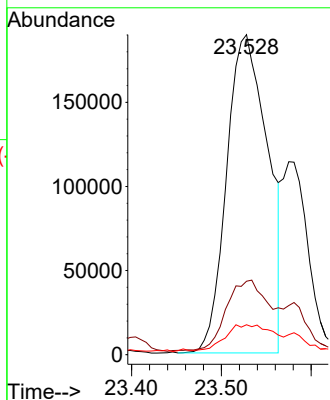
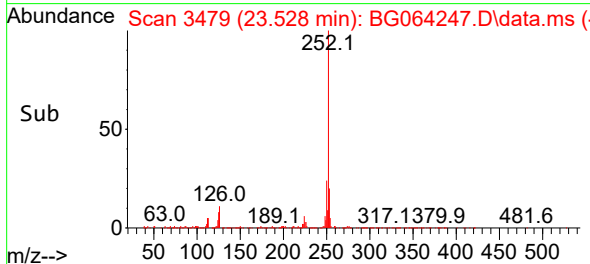
Instrument :
BNA_G
ClientSampleId :
EO-01-082925



Tgt Ion:252 Resp: 602134
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 9.3 5.9 8.9

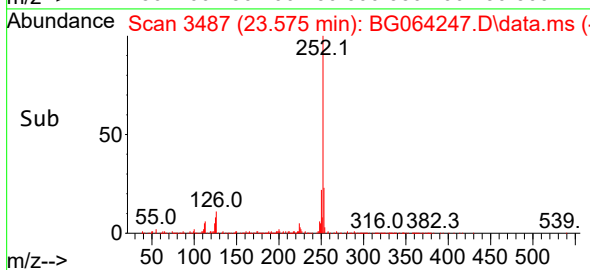
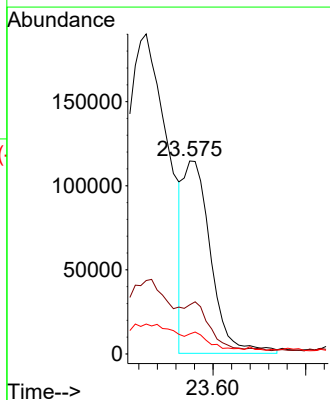
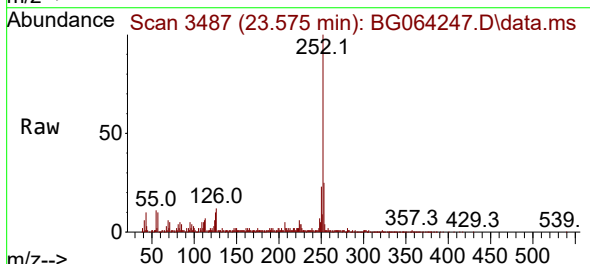
Manual Integrations
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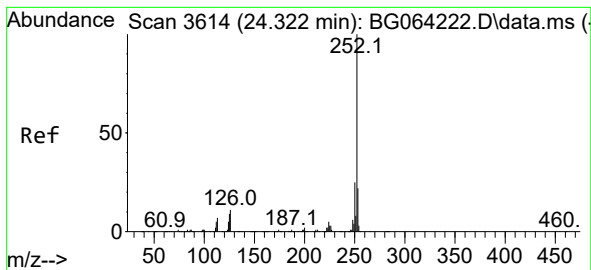
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025



#89
Benzo(k)fluoranthene
Concen: 14.081 ng m
RT: 23.575 min Scan# 3487
Delta R.T. -0.013 min
Lab File: BG064247.D
Acq: 2 Sep 2025 16:06

Tgt Ion:252 Resp: 236258
Ion Ratio Lower Upper
252 100
253 25.5 18.2 27.4
125 10.4 7.0 10.4





#90

Benzo(a)pyrene

Concen: 29.230 ng

RT: 24.333 min Scan# 30

Delta R.T. 0.005 min

Lab File: BG064247.D

Acq: 2 Sep 2025 16:06

Instrument :

BNA_G

ClientSampleId :

EO-01-082925

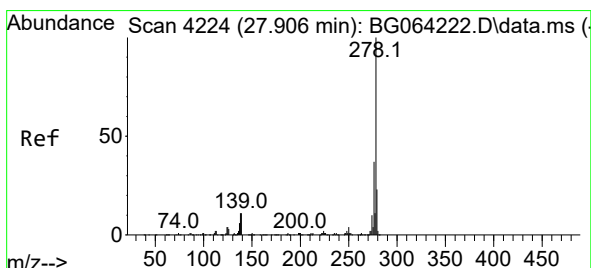
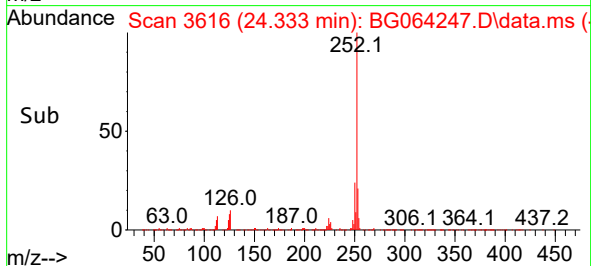
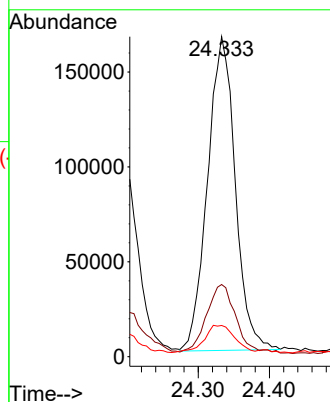
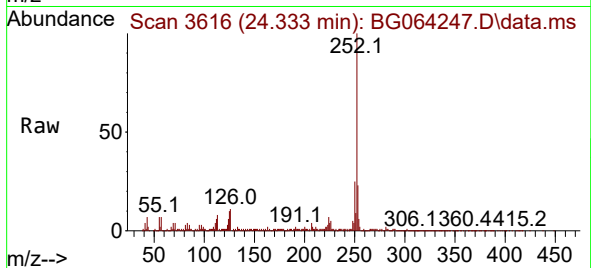
Tgt Ion:252 Resp: 44782
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.4 26.2
 125 9.7 7.0 10.6

Manual Integrations

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Reviewed By :Rahul Chavli 09/03/2025

Supervised By :Jagrut Upadhyay 09/03/2025



#91

Dibenzo(a,h)anthracene

Concen: 3.951 ng

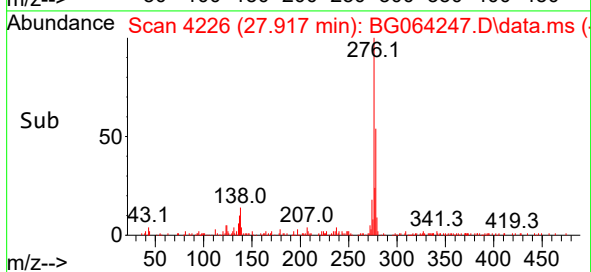
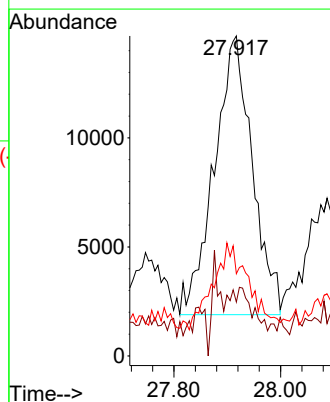
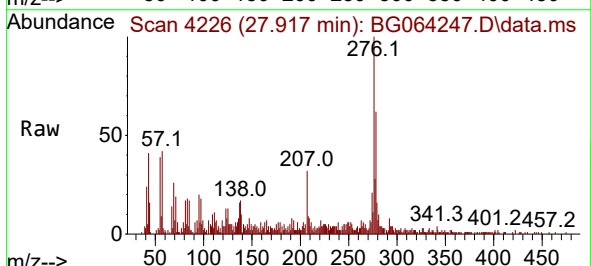
RT: 27.917 min Scan# 4226

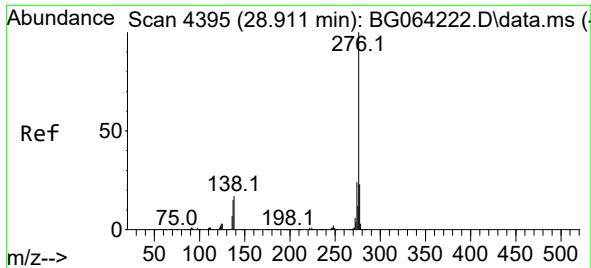
Delta R.T. -0.007 min

Lab File: BG064247.D

Acq: 2 Sep 2025 16:06

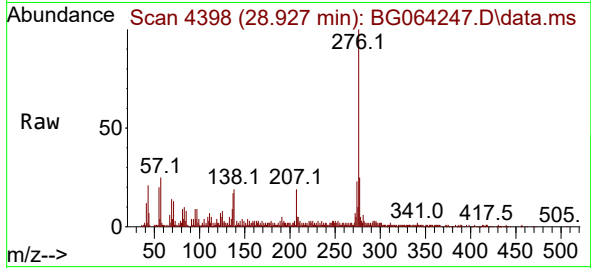
Tgt Ion:278 Resp: 63214
 Ion Ratio Lower Upper
 278 100
 139 16.9 9.0 13.4#
 279 25.7 18.8 28.2





#92
Benzo(g,h,i)perylene
Concen: 14.852 ng
RT: 28.927 min Scan# 41
Delta R.T. -0.007 min
Lab File: BG064247.D
Acq: 2 Sep 2025 16:06

Instrument :
BNA_G
ClientSampleId :
EO-01-082925



Tgt Ion: 276 Resp: 23124

Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.2	27.4
138	18.7	13.3	19.9

Manual Integrations
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Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025

