

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
 Data File : BG064665.D
 Acq On : 31 Oct 2025 21:00
 Operator : RC/JU
 Sample : Q3486-07 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP6

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 04 03:45:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.219	152	39926	20.000	ng	0.00
21) Naphthalene-d8	11.045	136	164318	20.000	ng	0.00
39) Acenaphthene-d10	14.841	164	126018	20.000	ng	0.00
64) Phenanthrene-d10	17.579	188	263616	20.000	ng	0.00
76) Chrysene-d12	21.862	240	269899	20.000	ng	0.00
86) Perylene-d12	25.211	264	309892	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.751	112	18378	7.726	ng	0.00
7) Phenol-d6	7.349	99	26357	8.075	ng	0.00
23) Nitrobenzene-d5	9.376	82	16181	5.915	ng	0.00
42) 2,4,6-Tribromophenol	16.321	330	15170	8.341	ng	0.00
45) 2-Fluorobiphenyl	13.472	172	42415	5.102	ng	0.00
79) Terphenyl-d14	20.170	244	66324	4.637	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.570	152	77766m	7.291	ng	
58) Fluorene	15.881	166	24577	2.671	ng	98
71) Phenanthrene	17.620	178	382394	26.525	ng	99
72) Anthracene	17.714	178	32940m	2.246	ng	
75) Fluoranthene	19.617	202	514759	28.503	ng	98
78) Pyrene	19.982	202	1067598	60.543	ng	97
81) Benzo(a)anthracene	21.838	228	626052m	34.983	ng	
83) Chrysene	21.909	228	652325	38.309	ng	96
87) Indeno(1,2,3-cd)pyrene	29.042	276	290982	12.764	ng	98
88) Benzo(b)fluoranthene	24.153	252	518326	27.277	ng	99
89) Benzo(k)fluoranthene	24.206	252	166867m	8.775	ng	
90) Benzo(a)pyrene	25.052	252	578576	33.123	ng	100
91) Dibenzo(a,h)anthracene	29.100	278	100845	5.445	ng	# 82
92) Benzo(g,h,i)perylene	30.252	276	411748	23.273	ng	98

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

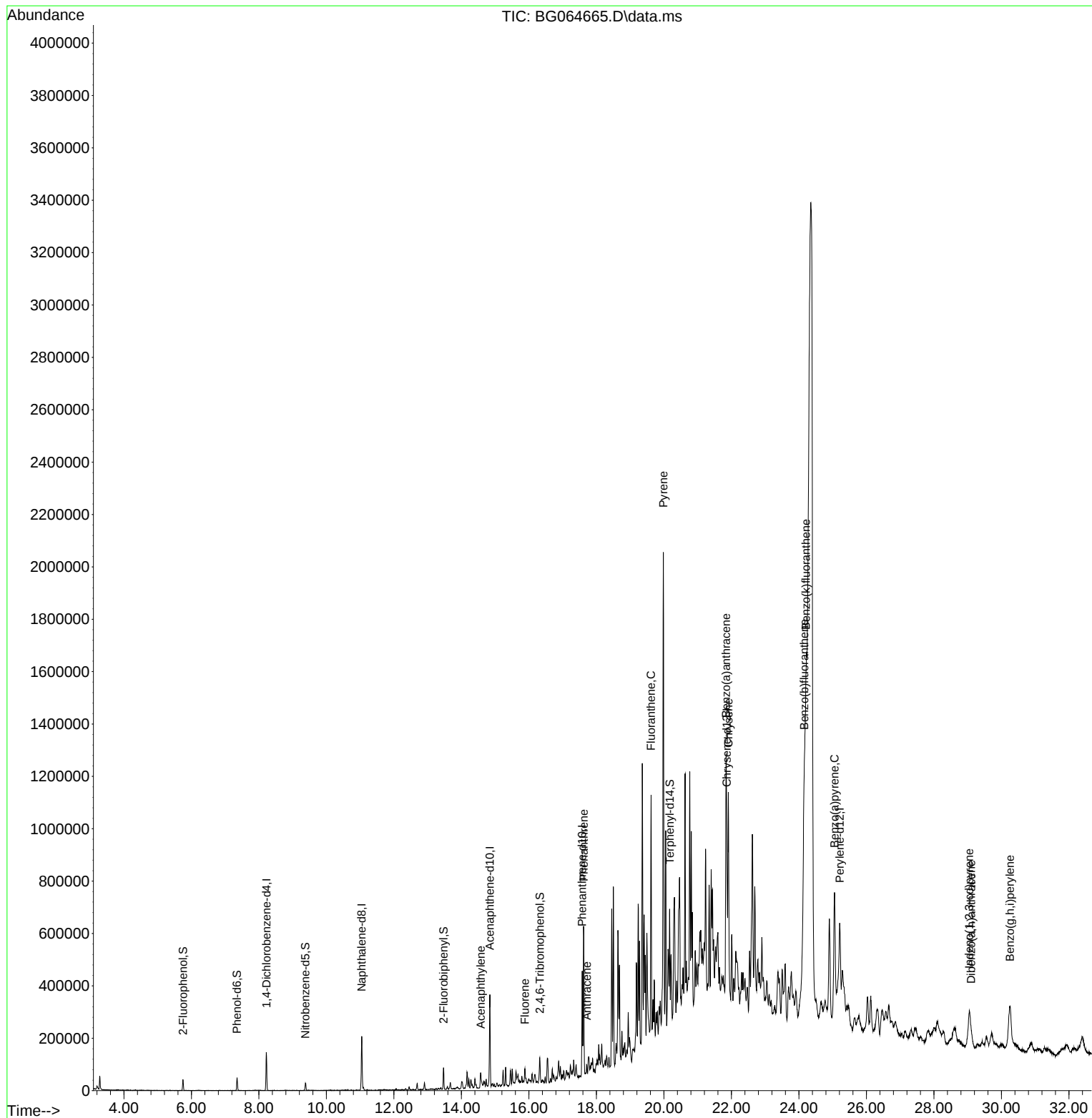
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
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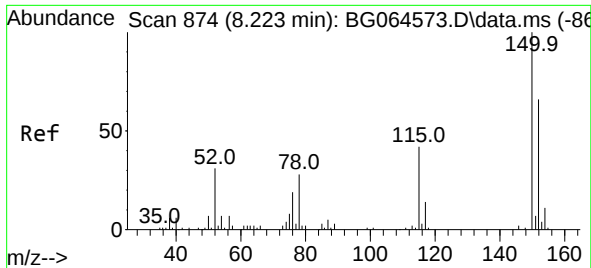
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Quant Time: Nov 04 03:45:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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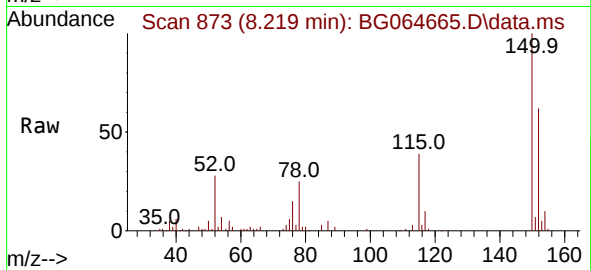
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064665.D
Acq: 31 Oct 2025 21:00

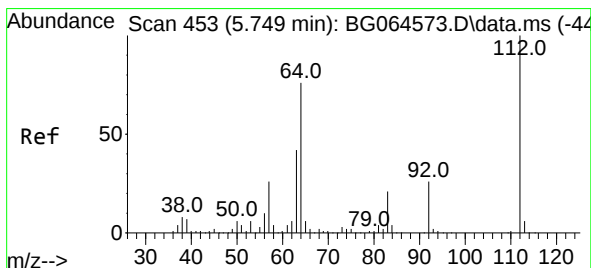
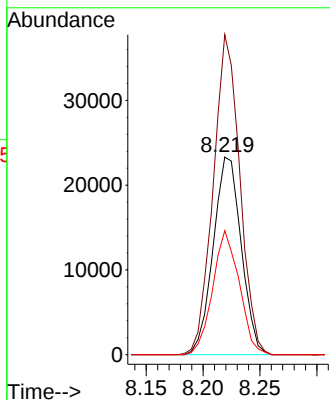
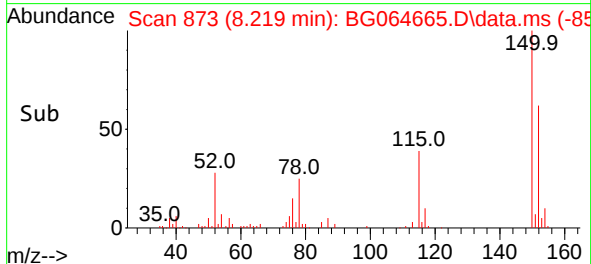
Instrument :
BNA_G
ClientSampleId :
TP6



Tgt Ion:152 Resp: 39920
Ion Ratio Lower Upper
152 100
150 161.9 122.2 183.4
115 62.8 50.8 76.2

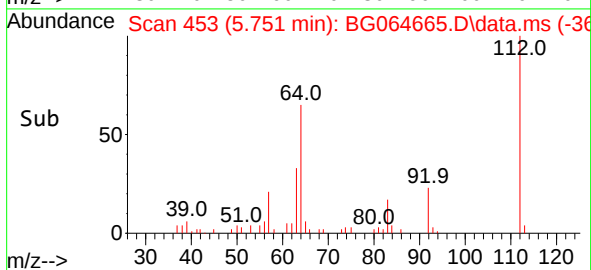
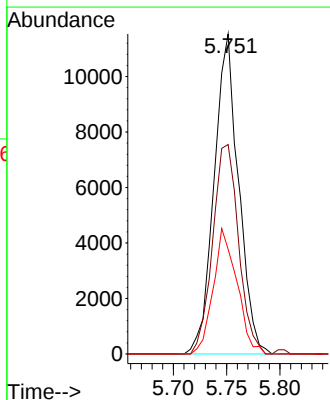
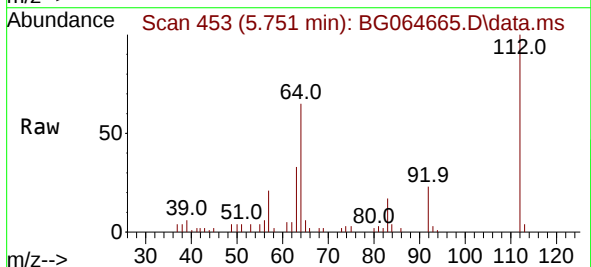
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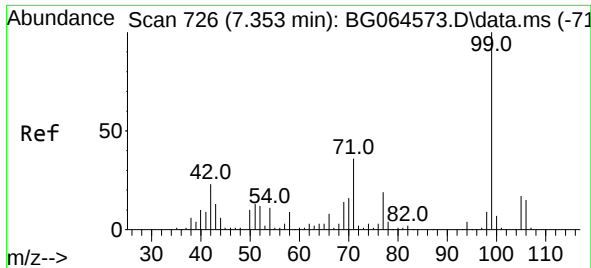
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#5
2-Fluorophenol
Concen: 7.726 ng
RT: 5.751 min Scan# 453
Delta R.T. 0.002 min
Lab File: BG064665.D
Acq: 31 Oct 2025 21:00

Tgt Ion:112 Resp: 18378
Ion Ratio Lower Upper
112 100
64 65.4 60.7 91.1
63 32.7 33.4 50.0#





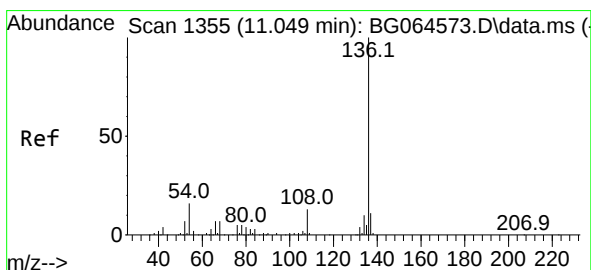
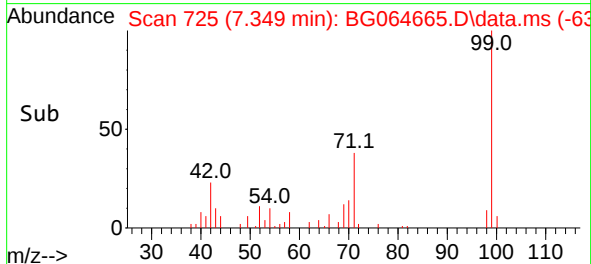
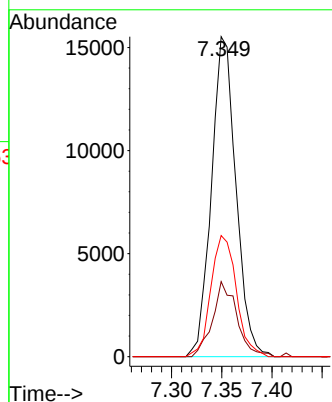
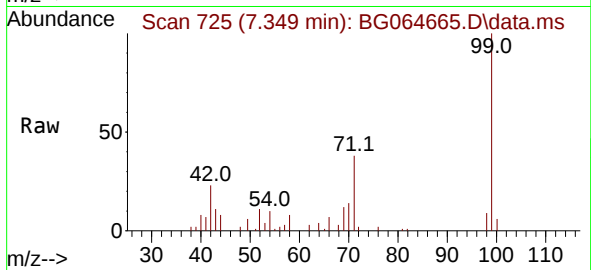
#7
Phenol-d6
Concen: 8.075 ng
RT: 7.349 min Scan# 71
Delta R.T. -0.004 min
Lab File: BG064665.D
Acq: 31 Oct 2025 21:00

Instrument :
BNA_G
ClientSampleId :
TP6

Tgt Ion: 99 Resp: 2635
Ion Ratio Lower Upper
99 100
42 23.5 18.3 27.5
71 37.9 28.6 43.0

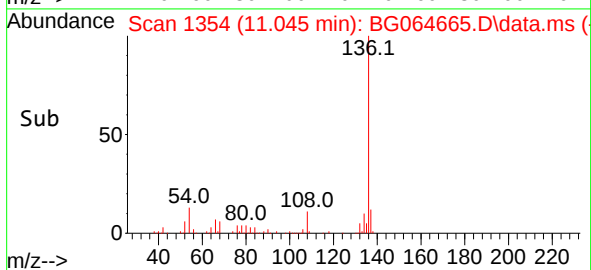
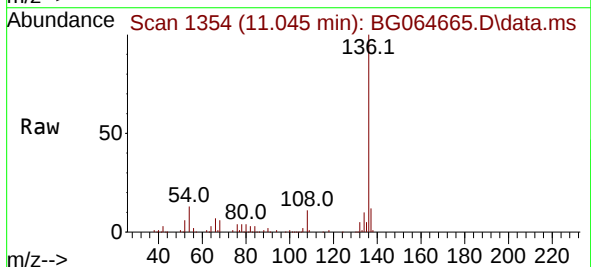
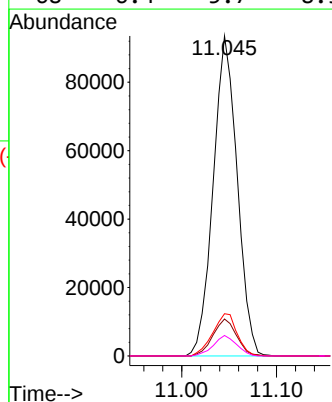
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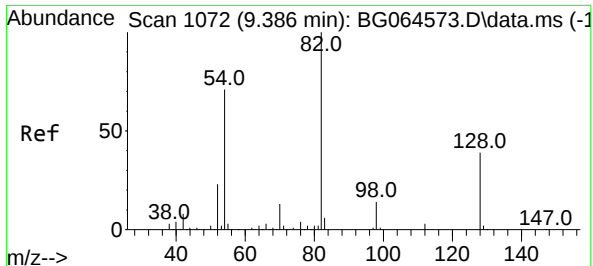
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1354
Delta R.T. -0.004 min
Lab File: BG064665.D
Acq: 31 Oct 2025 21:00

Tgt Ion:136 Resp: 164318
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 13.2 12.6 19.0
68 6.4 5.7 8.5





#23

Nitrobenzene-d5

Concen: 5.915 ng

RT: 9.376 min Scan# 1072

Delta R.T. -0.010 min

Lab File: BG064665.D

Acq: 31 Oct 2025 21:00

Instrument :

BNA_G

ClientSampleId :

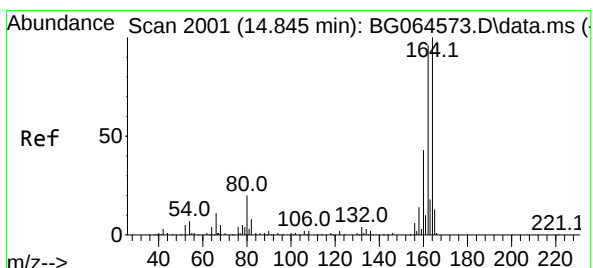
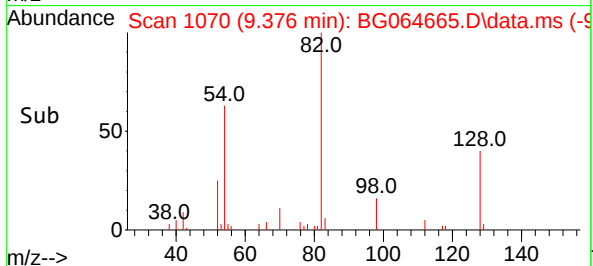
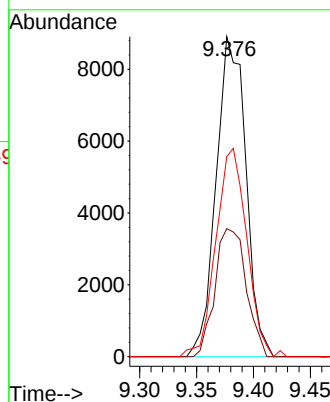
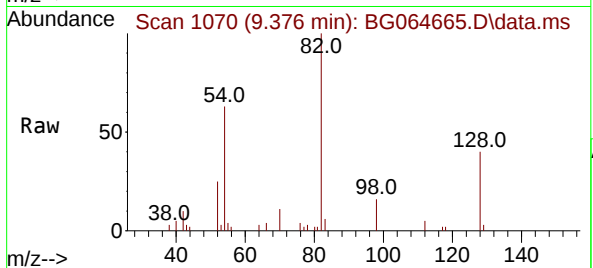
TP6

Tgt Ion:	82	Resp:	1618
Ion Ratio	Lower	Upper	
82	100		
128	40.0	31.3	46.9
54	62.5	56.6	84.8

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

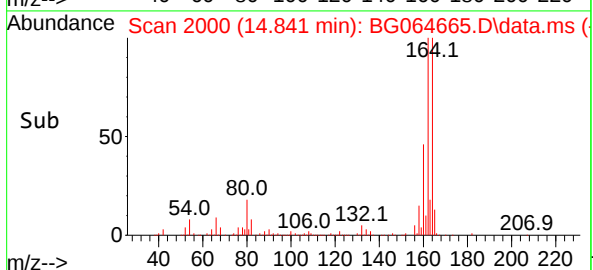
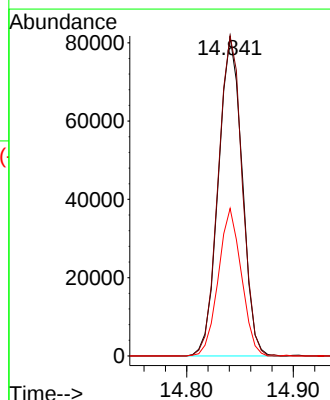
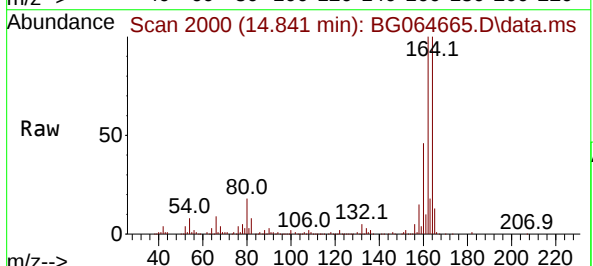
RT: 14.841 min Scan# 2000

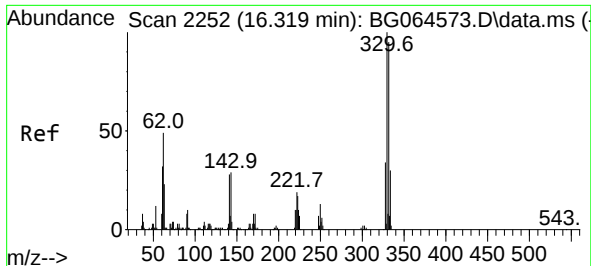
Delta R.T. -0.004 min

Lab File: BG064665.D

Acq: 31 Oct 2025 21:00

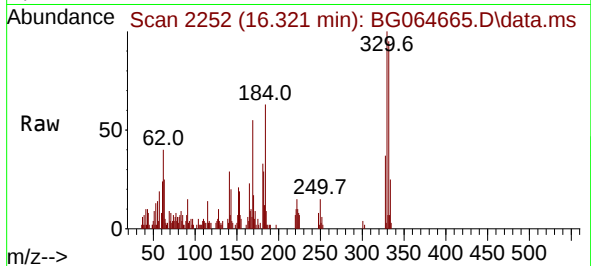
Tgt Ion:	164	Resp:	126018
Ion Ratio	Lower	Upper	
164	100		
162	100.2	77.0	115.6
160	46.2	34.4	51.6





#42
2,4,6-Tribromophenol
Concen: 8.341 ng
RT: 16.321 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064665.D
Acq: 31 Oct 2025 21:00

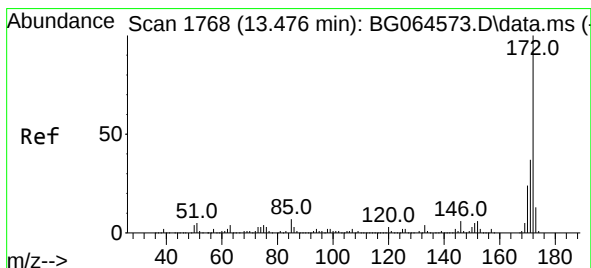
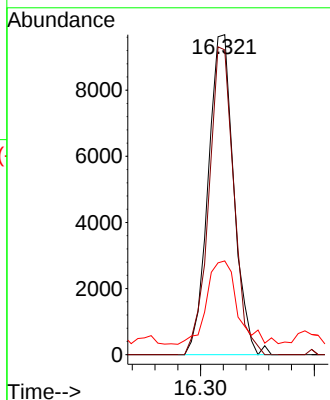
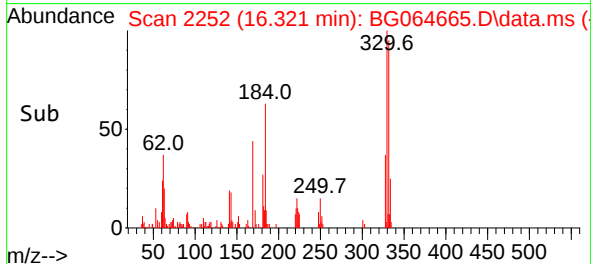
Instrument :
BNA_G
ClientSampleId :
TP6



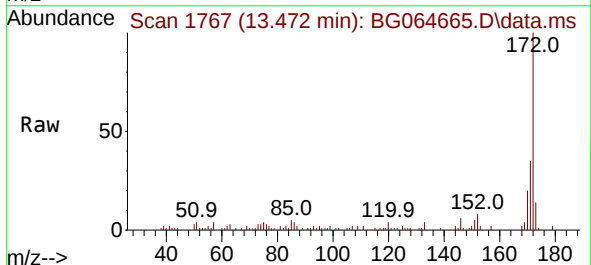
Tgt Ion:330 Resp: 15170
Ion Ratio Lower Upper
330 100
332 93.4 78.0 117.0
141 34.2 21.8 32.6

Manual Integrations
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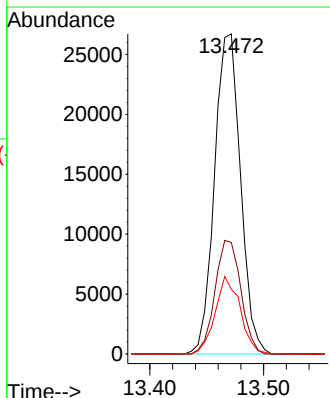
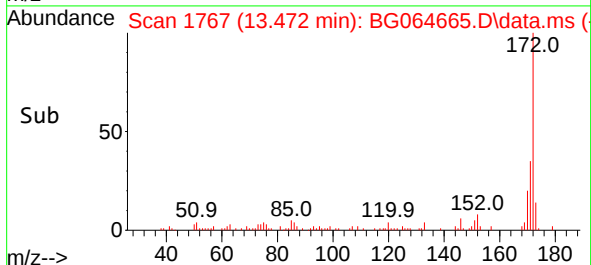
Reviewed By :Jagrut Upadhyay 11/04/2025
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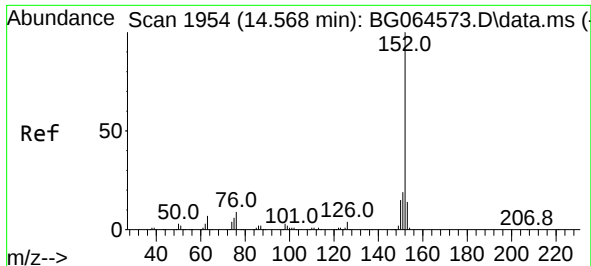


#45
2-Fluorobiphenyl
Concen: 5.102 ng
RT: 13.472 min Scan# 1767
Delta R.T. -0.004 min
Lab File: BG064665.D
Acq: 31 Oct 2025 21:00



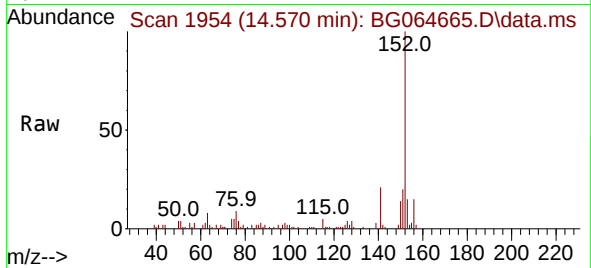
Tgt Ion:172 Resp: 42415
Ion Ratio Lower Upper
172 100
171 34.9 29.4 44.0
170 20.2 19.1 28.7





#49
Acenaphthylene
Concen: 7.291 ng m
RT: 14.570 min Scan# 1954
Delta R.T. 0.002 min
Lab File: BG064665.D
Acq: 31 Oct 2025 21:00

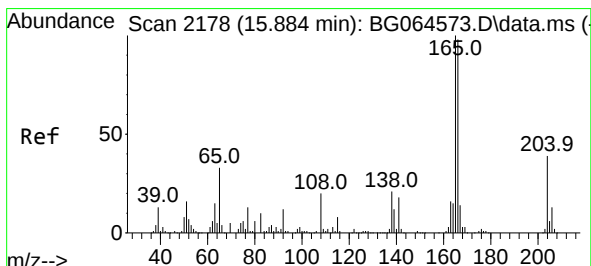
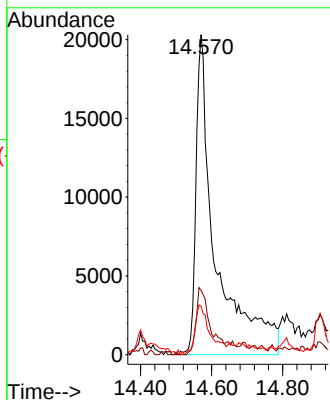
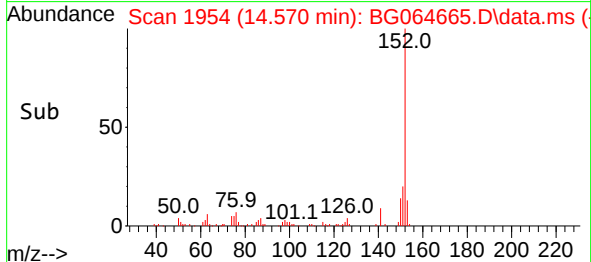
Instrument :
BNA_G
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TP6



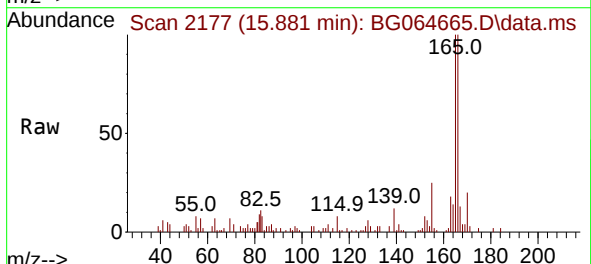
Tgt Ion:152 Resp: 7776
Ion Ratio Lower Upper
152 100
151 20.1 15.4 23.2
153 15.2 11.0 16.4

Manual Integrations
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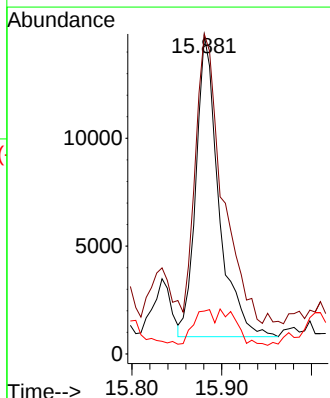
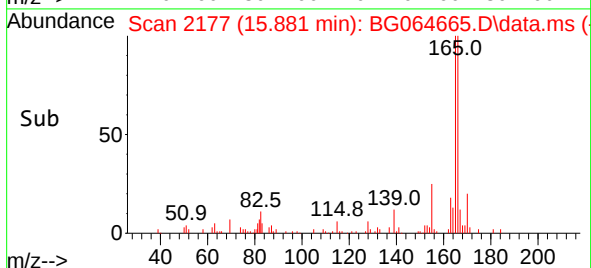
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

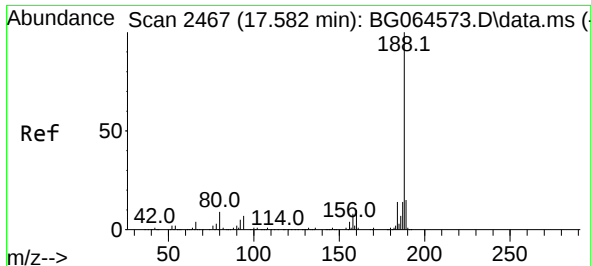


#58
Fluorene
Concen: 2.671 ng
RT: 15.881 min Scan# 2177
Delta R.T. -0.004 min
Lab File: BG064665.D
Acq: 31 Oct 2025 21:00



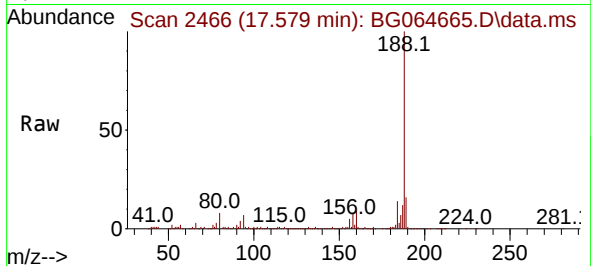
Tgt Ion:166 Resp: 24577
Ion Ratio Lower Upper
166 100
165 100.4 81.5 122.3
167 13.4 11.4 17.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.579 min Scan# 2466
Delta R.T. -0.004 min
Lab File: BG064665.D
Acq: 31 Oct 2025 21:00

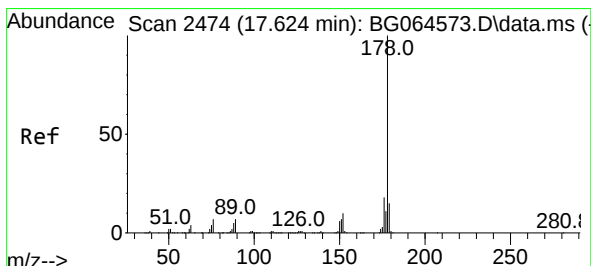
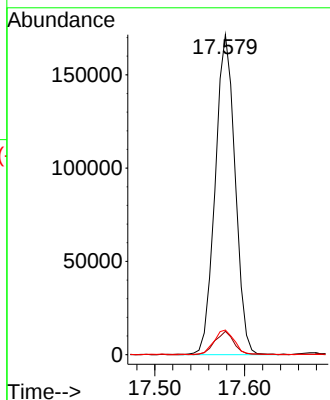
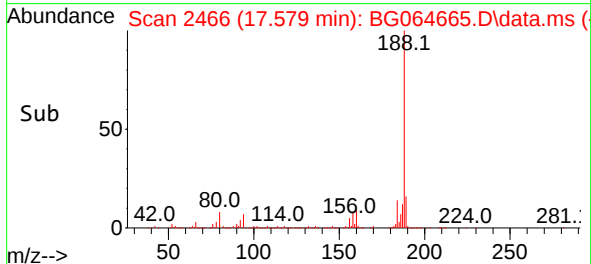
Instrument :
BNA_G
ClientSampleId :
TP6



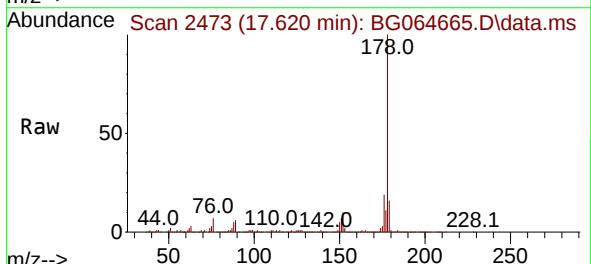
Tgt Ion:188 Resp: 263610
Ion Ratio Lower Upper
188 100
94 7.3 5.7 8.5
80 7.7 6.8 10.2

Manual Integrations
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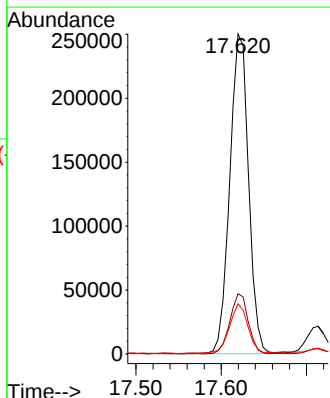
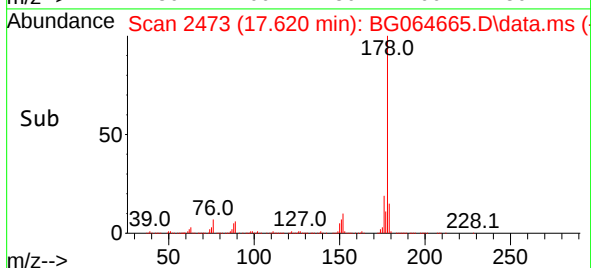
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

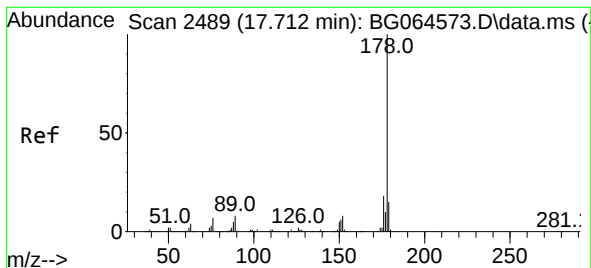


#71
Phenanthrene
Concen: 26.525 ng
RT: 17.620 min Scan# 2473
Delta R.T. -0.004 min
Lab File: BG064665.D
Acq: 31 Oct 2025 21:00



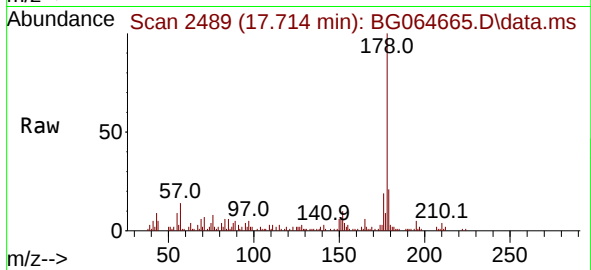
Tgt Ion:178 Resp: 382394
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.7 12.2 18.4





#72
 Anthracene
 Concen: 2.246 ng m
 RT: 17.714 min Scan# 2489
 Delta R.T. 0.002 min
 Lab File: BG064665.D
 Acq: 31 Oct 2025 21:00

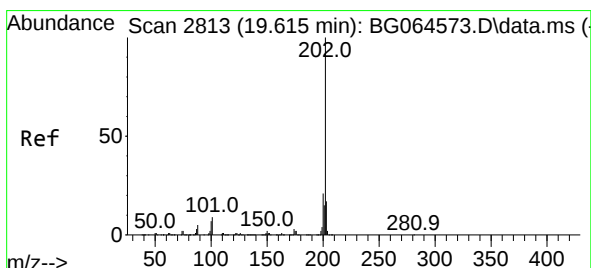
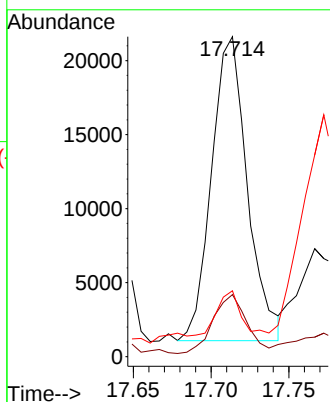
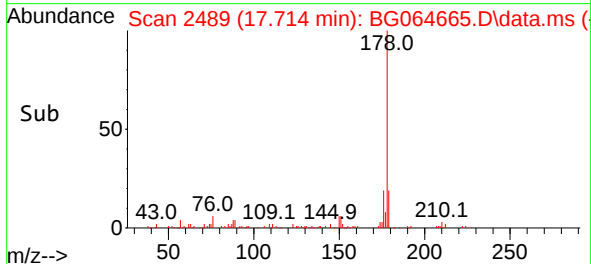
Instrument :
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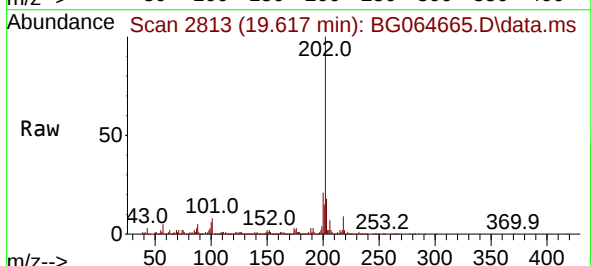
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 Ion Ratio Lower Upper
 178 100
 176 19.4 14.4 21.6
 179 20.6 12.4 18.6

Manual Integrations
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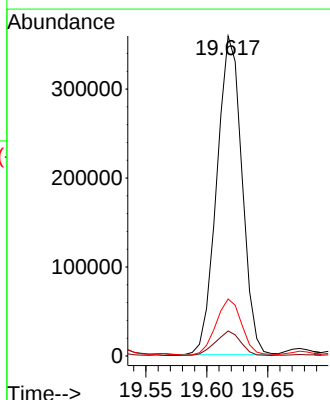
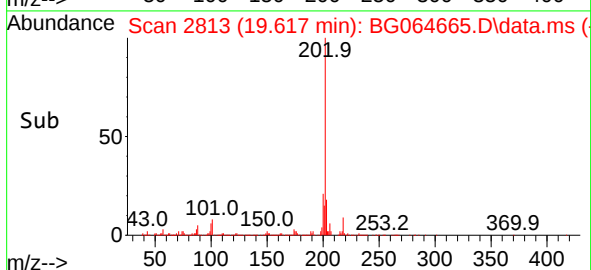
Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025

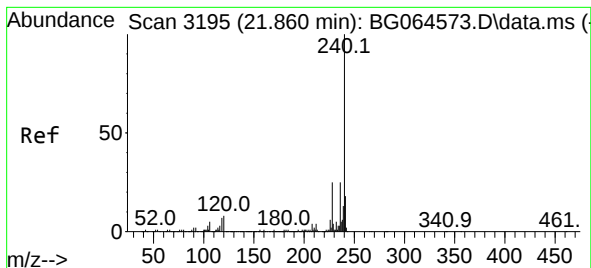


#75
 Fluoranthene
 Concen: 28.503 ng
 RT: 19.617 min Scan# 2813
 Delta R.T. 0.002 min
 Lab File: BG064665.D
 Acq: 31 Oct 2025 21:00



Tgt Ion:202 Resp: 514759
 Ion Ratio Lower Upper
 202 100
 101 7.8 0.0 28.7
 203 17.8 0.0 37.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.862 min Scan# 31

Delta R.T. 0.002 min

Lab File: BG064665.D

Acq: 31 Oct 2025 21:00

Instrument :

BNA_G

ClientSampleId :

TP6

Tgt Ion:240 Resp: 26989

Ion Ratio Lower Upper

240 100

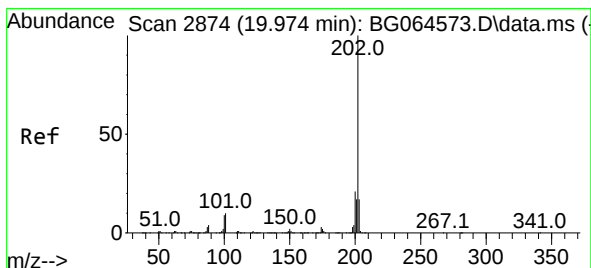
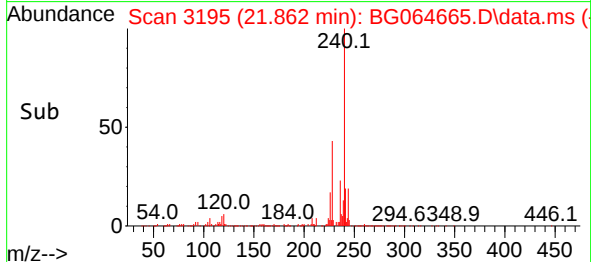
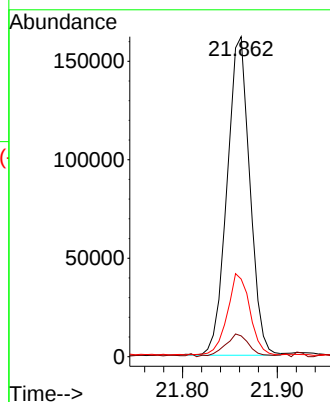
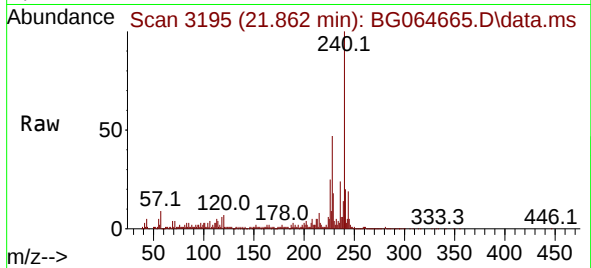
120 6.5 6.5 9.7

236 24.2 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#78

Pyrene

Concen: 60.543 ng

RT: 19.982 min Scan# 2875

Delta R.T. 0.008 min

Lab File: BG064665.D

Acq: 31 Oct 2025 21:00

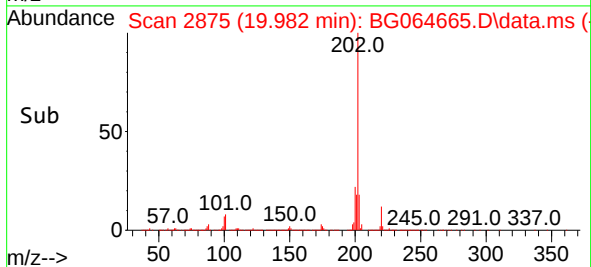
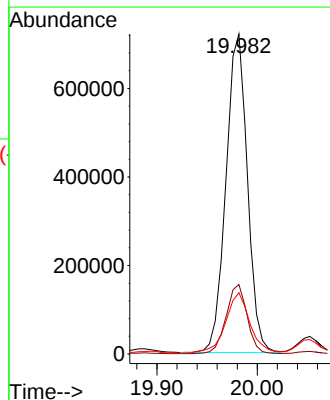
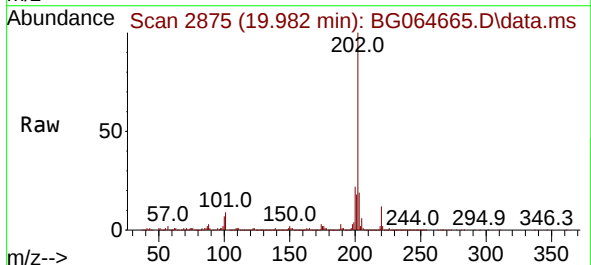
Tgt Ion:202 Resp: 1067598

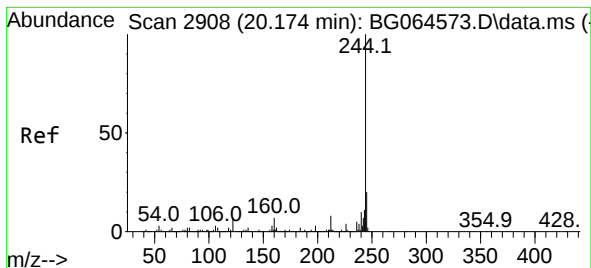
Ion Ratio Lower Upper

202 100

200 21.7 17.0 25.4

203 19.1 13.8 20.6





#79

Terphenyl-d14

Concen: 4.637 ng

RT: 20.170 min Scan# 2908

Delta R.T. -0.004 min

Lab File: BG064665.D

Acq: 31 Oct 2025 21:00

Instrument :

BNA_G

ClientSampleId :

TP6

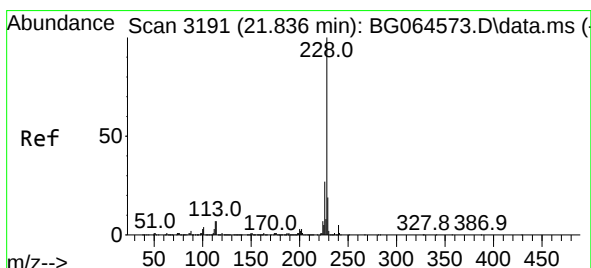
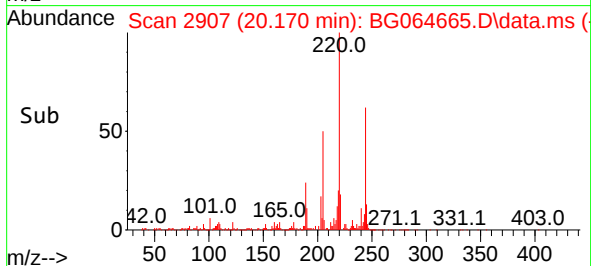
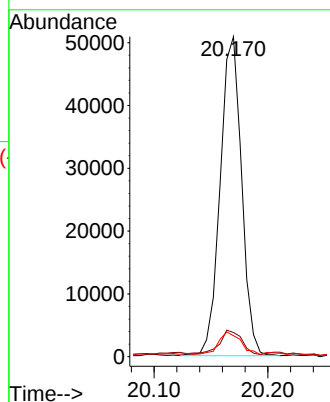
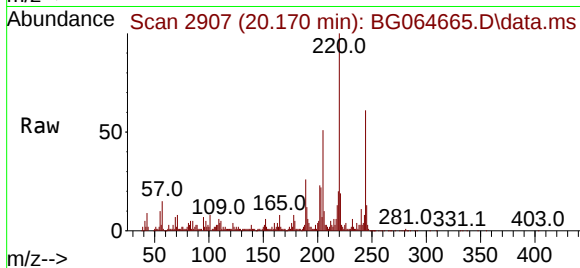
Tgt Ion:244 Resp: 66324

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	6.5	5.6	8.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#81

Benzo(a)anthracene

Concen: 34.983 ng m

RT: 21.838 min Scan# 3191

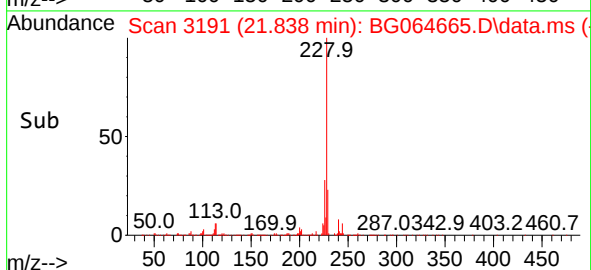
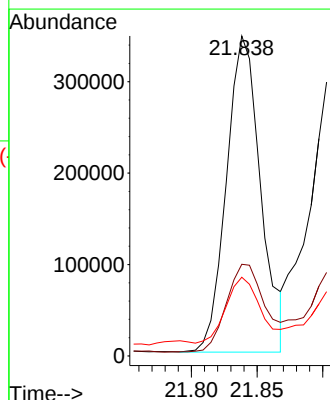
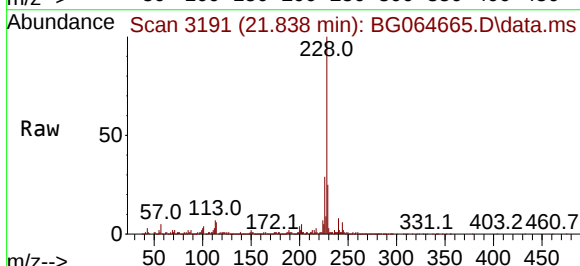
Delta R.T. 0.002 min

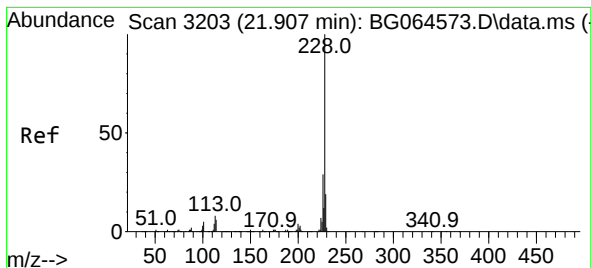
Lab File: BG064665.D

Acq: 31 Oct 2025 21:00

Tgt Ion:228 Resp: 626052

Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.9	32.9
229	24.6	15.6	23.4





#83

Chrysene

Concen: 38.309 ng

RT: 21.909 min Scan# 31

Delta R.T. 0.002 min

Lab File: BG064665.D

Acq: 31 Oct 2025 21:00

Instrument :

BNA_G

ClientSampleId :

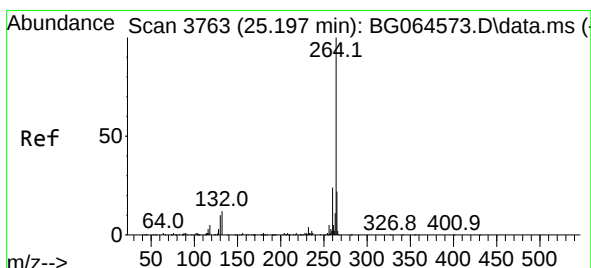
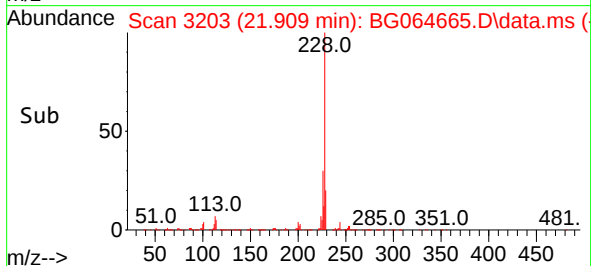
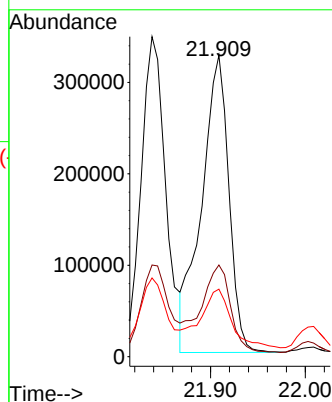
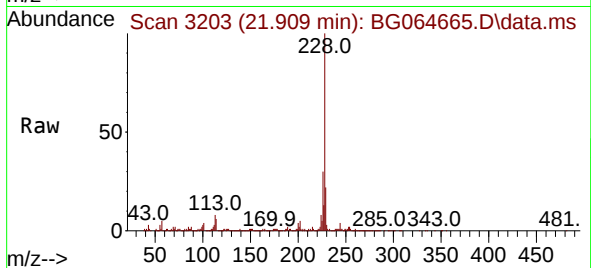
TP6

Tgt	Ion:228	Resp:	65232
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.3	34.9
229	22.4	15.2	22.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#86

Perylene-d12

Concen: 20.000 ng

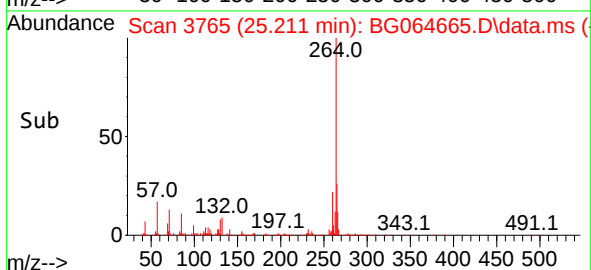
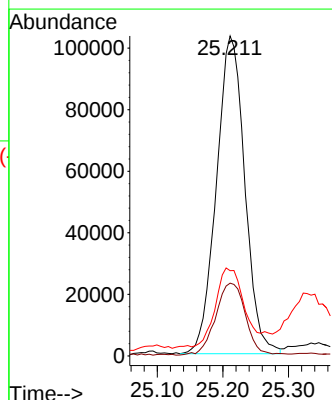
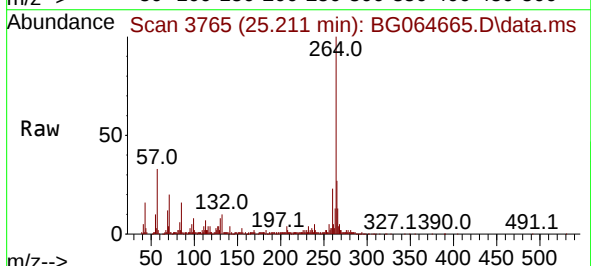
RT: 25.211 min Scan# 3765

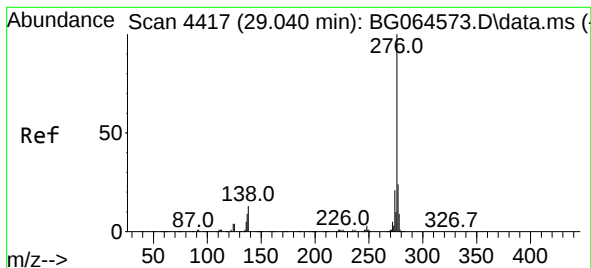
Delta R.T. 0.014 min

Lab File: BG064665.D

Acq: 31 Oct 2025 21:00

Tgt Ion:264	Resp: 309892		
Ion Ratio	Lower	Upper	
264	100		
260	22.7	19.0	28.4
265	26.7	17.6	26.4#





#87

Indeno(1,2,3-cd)pyrene

Concen: 12.764 ng

RT: 29.042 min Scan# 4417

Delta R.T. 0.002 min

Lab File: BG064665.D

Acq: 31 Oct 2025 21:00

Instrument :

BNA_G

ClientSampleId :

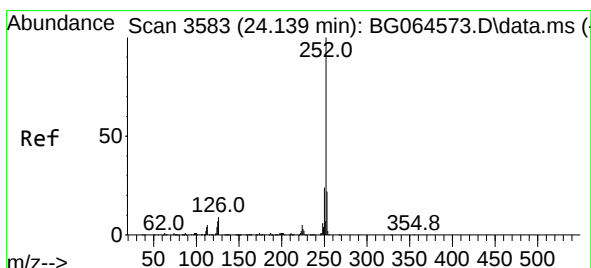
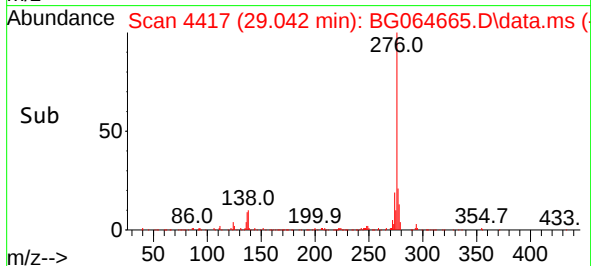
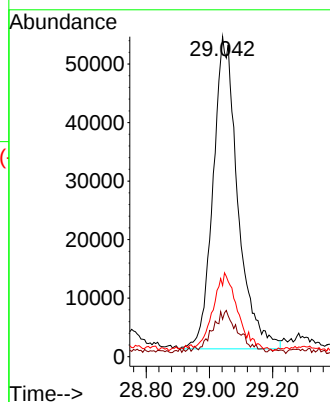
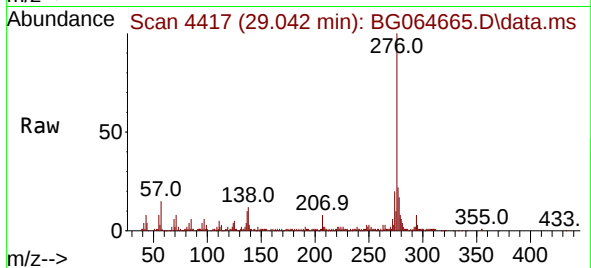
TP6

Tgt Ion:276 Resp: 29098
 Ion Ratio Lower Upper
 276 100
 138 11.3 10.8 16.2
 277 24.8 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025



#88

Benzo(b)fluoranthene

Concen: 27.277 ng

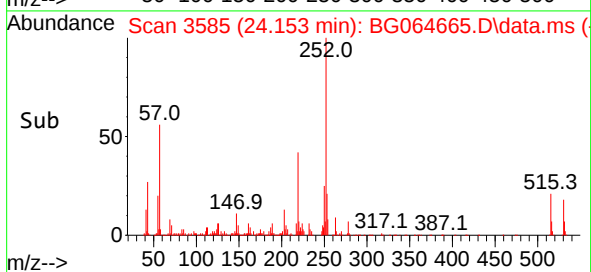
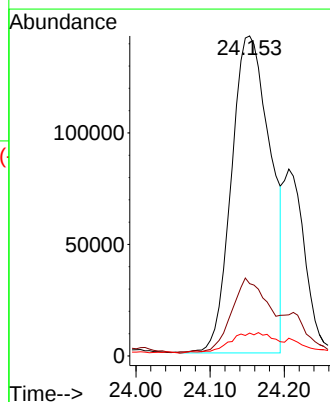
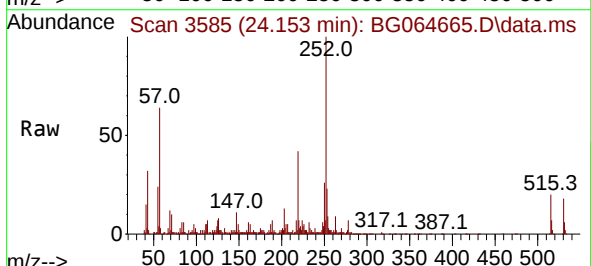
RT: 24.153 min Scan# 3585

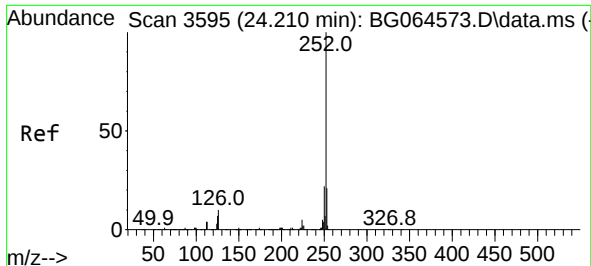
Delta R.T. 0.014 min

Lab File: BG064665.D

Acq: 31 Oct 2025 21:00

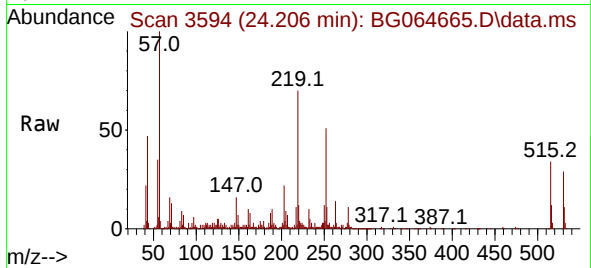
Tgt Ion:252 Resp: 518326
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.8 26.8
 125 7.1 5.6 8.4





#89
Benzo(k)fluoranthene
Concen: 8.775 ng m
RT: 24.206 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG064665.D
Acq: 31 Oct 2025 21:00

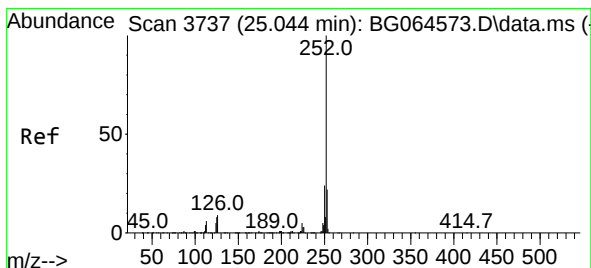
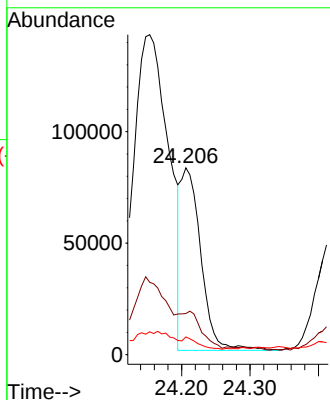
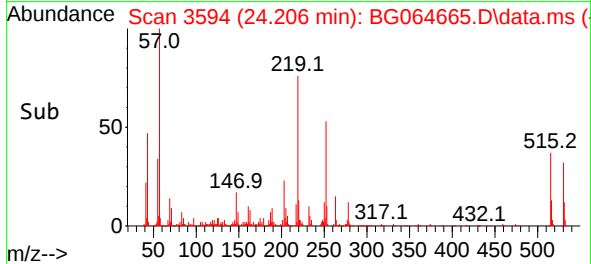
Instrument :
BNA_G
ClientSampleId :
TP6



Tgt Ion:252 Resp: 16686
Ion Ratio Lower Upper
252 100
253 22.0 16.8 25.2
125 9.5 5.4 8.0

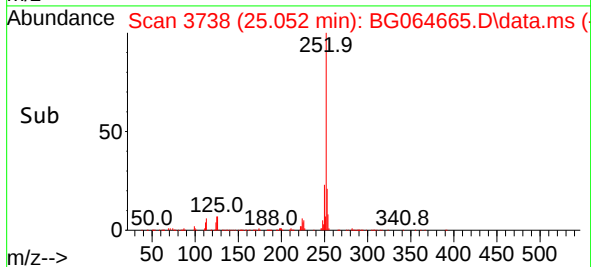
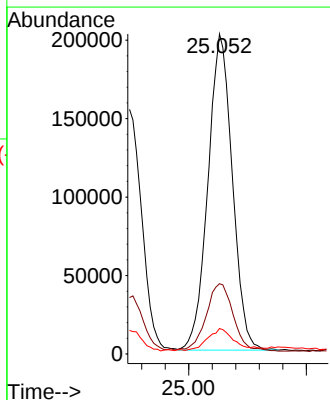
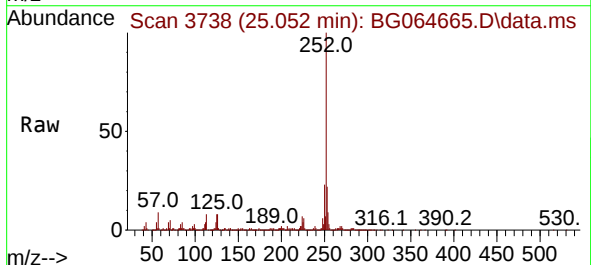
Manual Integrations
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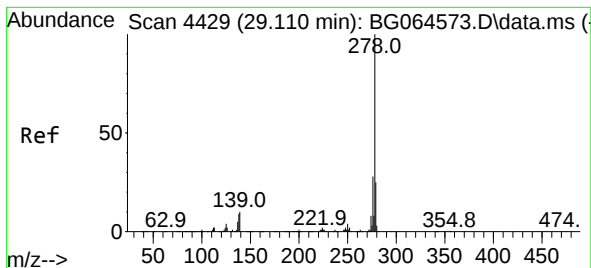
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#90
Benzo(a)pyrene
Concen: 33.123 ng
RT: 25.052 min Scan# 3738
Delta R.T. 0.008 min
Lab File: BG064665.D
Acq: 31 Oct 2025 21:00

Tgt Ion:252 Resp: 578576
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 8.0 6.1 9.1





#91

Dibenzo(a,h)anthracene

Concen: 5.445 ng

RT: 29.100 min Scan# 4429

Delta R.T. -0.010 min

Lab File: BG064665.D

Acq: 31 Oct 2025 21:00

Instrument :

BNA_G

ClientSampleId :

TP6

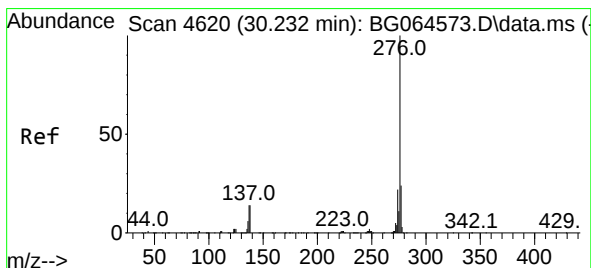
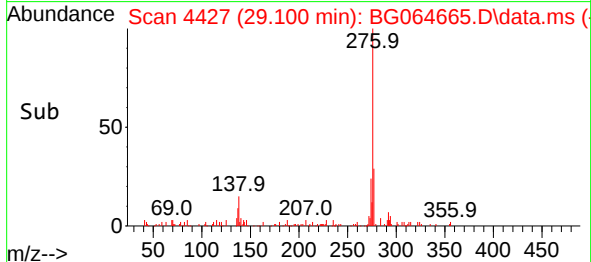
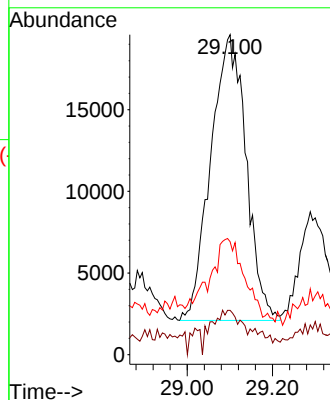
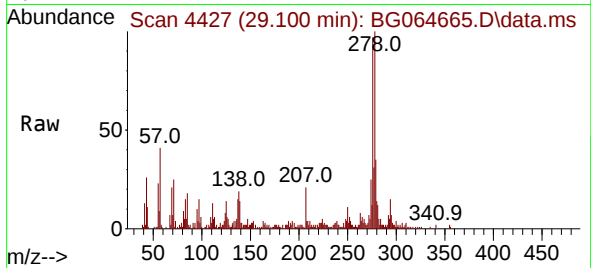
Tgt Ion:278 Resp: 100845

Ion	Ratio	Lower	Upper
278	100		
139	13.9	8.0	12.0
279	35.3	19.8	29.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#92

Benzo(g,h,i)perylene

Concen: 23.273 ng

RT: 30.252 min Scan# 4623

Delta R.T. 0.020 min

Lab File: BG064665.D

Acq: 31 Oct 2025 21:00

Tgt Ion:276 Resp: 411748

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.1	28.7
138	13.2	11.3	16.9

