

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091025\
 Data File : BG064344.D
 Acq On : 10 Sep 2025 22:53
 Operator : RC/JU
 Sample : Q3055-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-090925

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/11/2025
 Supervised By :Jagrut Upadhyay 09/11/2025

Quant Time: Sep 11 01:20:25 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	7.849	152	24981	20.000	ng	-0.01
21) Naphthalene-d8	10.634	136	108145	20.000	ng	#-0.02
39) Acenaphthene-d10	14.470	164	78236	20.000	ng	-0.01
64) Phenanthrene-d10	17.214	188	175228	20.000	ng	#-0.01
76) Chrysene-d12	21.445	240	187383	20.000	ng	#-0.01
86) Perylene-d12	24.447	264	213884	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	90963	65.328	ng	0.00
7) Phenol-d6	7.020	99	125672	65.696	ng	-0.01
23) Nitrobenzene-d5	8.995	82	88909	45.850	ng	-0.02
42) 2,4,6-Tribromophenol	15.957	330	83434	80.514	ng	-0.02
45) 2-Fluorobiphenyl	13.096	172	203836	39.768	ng	-0.02
79) Terphenyl-d14	19.829	244	363643	40.489	ng	-0.02
Target Compounds						Qvalue
52) Acenaphthene	14.535	154	9328	2.087	ng	96
58) Fluorene	15.516	166	16665	2.892	ng	98
71) Phenanthrene	17.255	178	198444	21.472	ng	99
72) Anthracene	17.344	178	33637	3.578	ng	97
75) Fluoranthene	19.265	202	353037	32.487	ng	97
78) Pyrene	19.623	202	322669	27.332	ng	99
81) Benzo(a)anthracene	21.421	228	151661	12.651	ng	98
83) Chrysene	21.486	228	142789	12.407	ng	96
87) Indeno(1,2,3-cd)pyrene	27.831	276	95162	6.515	ng	# 92
88) Benzo(b)fluoranthene	23.501	252	196877	16.309	ng	98
89) Benzo(k)fluoranthene	23.554	252	64559m	5.250	ng	
90) Benzo(a)pyrene	24.306	252	148289	13.206	ng	# 98
92) Benzo(g,h,i)perylene	28.883	276	89307	7.826	ng	# 92

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

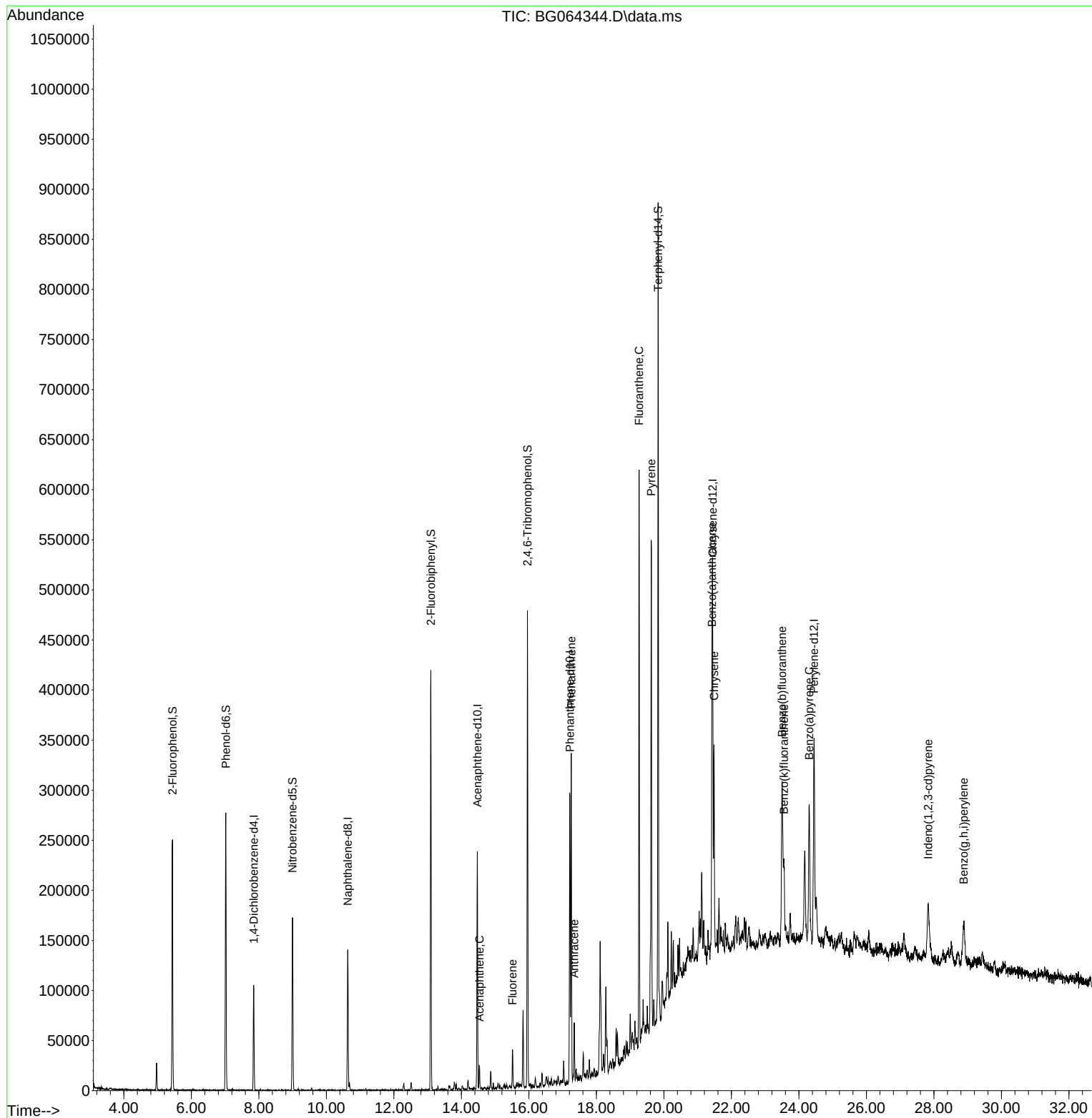
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091025\
Data File : BG064344.D
Acq On : 10 Sep 2025 22:53
Operator : RC/JU
Sample : Q3055-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

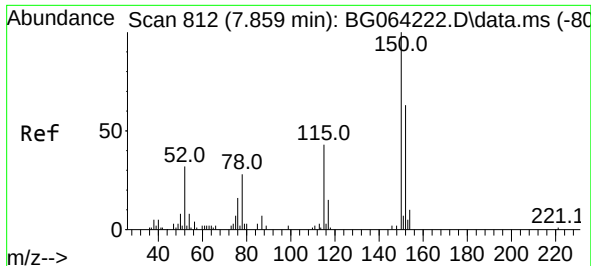
Instrument :
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ClientSampleId :
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Quant Time: Sep 11 01:20:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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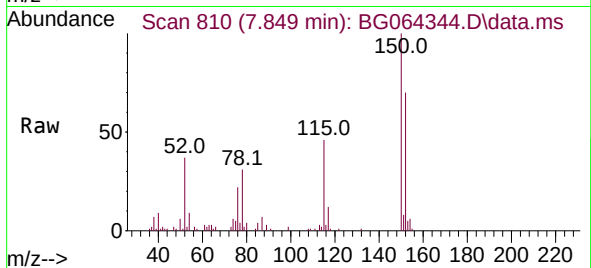
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.849 min Scan# 812
Delta R.T. -0.010 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

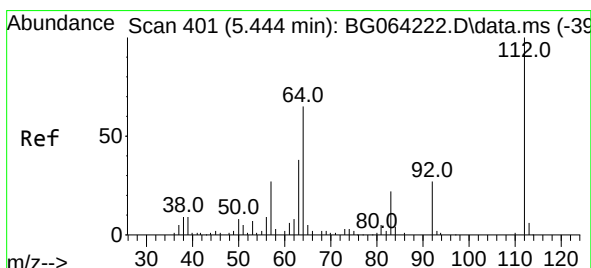
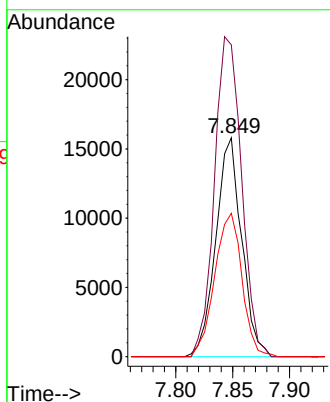
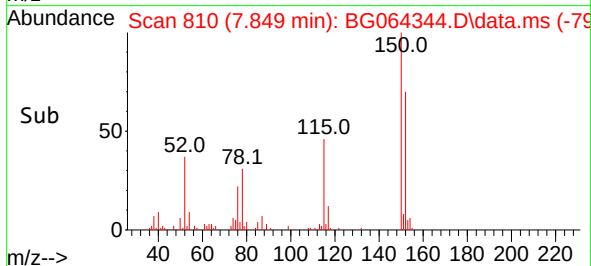
Instrument :
BNA_G
ClientSampleId :
OR-03-090925



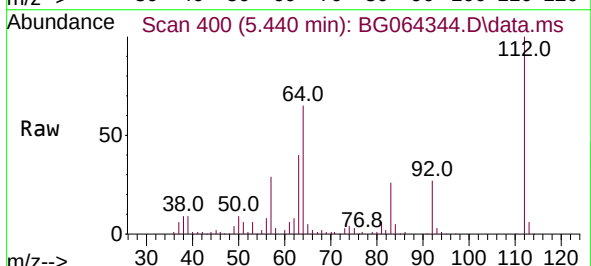
Tgt Ion:152 Resp: 2498
Ion Ratio Lower Upper
152 100
150 142.4 128.0 192.0
115 65.5 55.7 83.5

Manual Integrations
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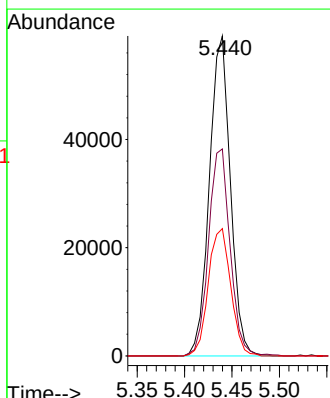
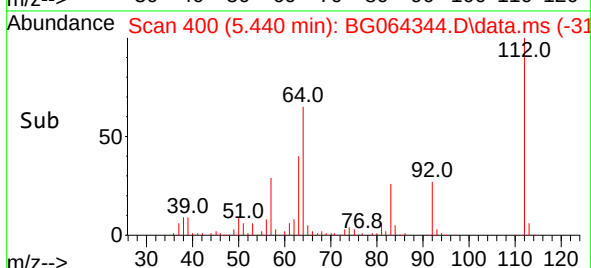
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

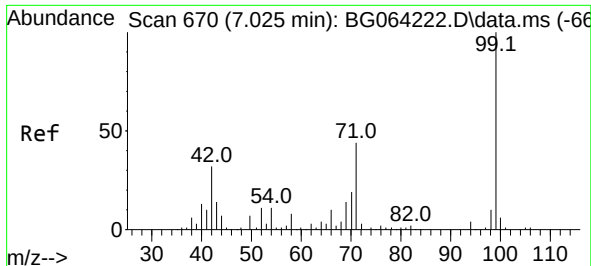


#5
2-Fluorophenol
Concen: 65.328 ng
RT: 5.440 min Scan# 400
Delta R.T. -0.004 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53



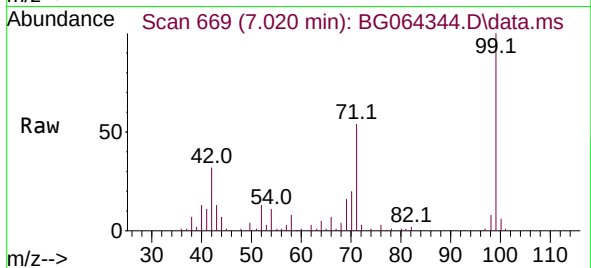
Tgt Ion:112 Resp: 90963
Ion Ratio Lower Upper
112 100
64 64.7 51.8 77.6
63 39.8 30.6 45.8





#7
Phenol-d6
Concen: 65.696 ng
RT: 7.020 min Scan# 60
Delta R.T. -0.010 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

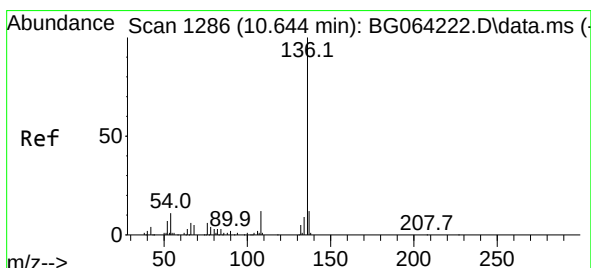
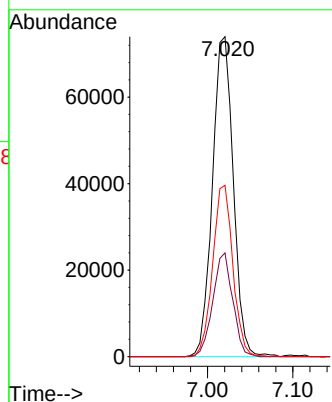
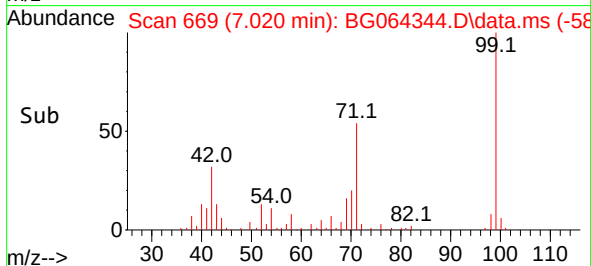
Instrument :
BNA_G
ClientSampleId :
OR-03-090925



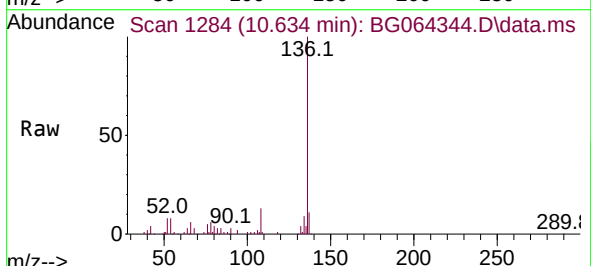
Tgt Ion: 99 Resp: 125672
Ion Ratio Lower Upper
99 100
42 32.4 25.8 38.8
71 53.5 35.2 52.8

Manual Integrations
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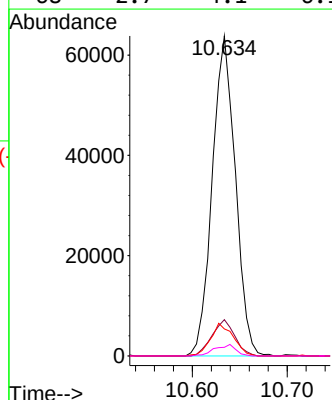
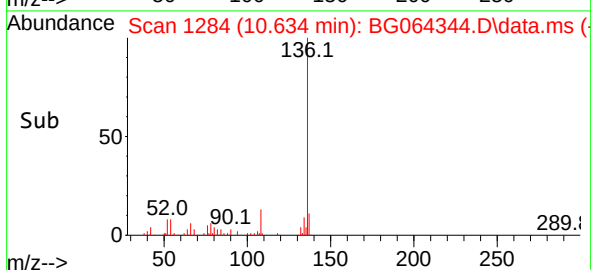
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

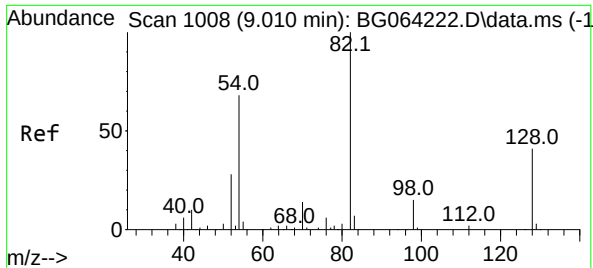


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.634 min Scan# 1284
Delta R.T. -0.016 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53



Tgt Ion:136 Resp: 108145
Ion Ratio Lower Upper
136 100
137 11.3 9.6 14.4
54 8.4 8.8 13.2#
68 2.7 4.1 6.1#





#23
Nitrobenzene-d5
Concen: 45.850 ng
RT: 8.995 min Scan# 1005
Delta R.T. -0.022 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

Instrument :

BNA_G

ClientSampleId :

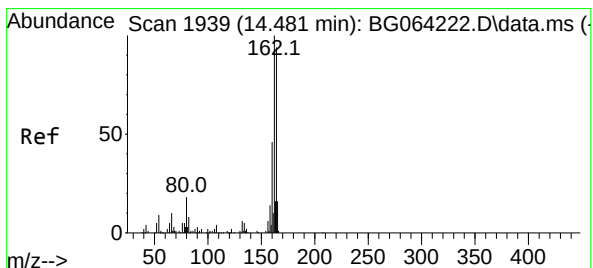
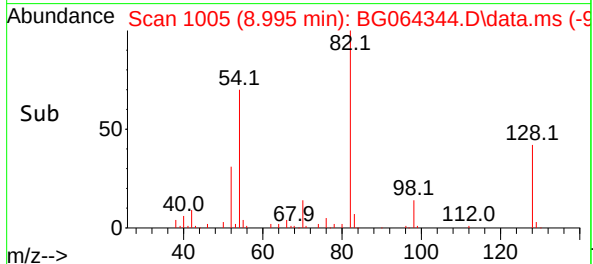
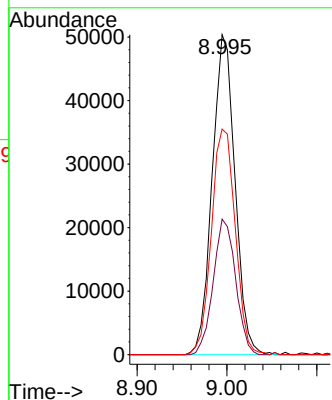
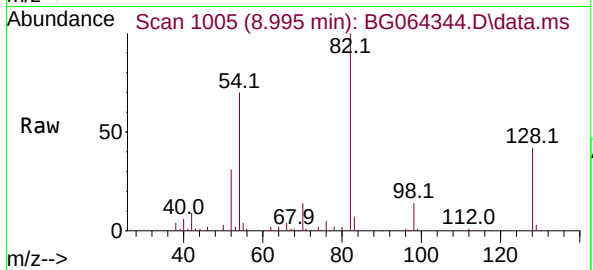
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Tgt Ion: 82 Resp: 88909
Ion Ratio Lower Upper
82 100
128 42.3 32.6 48.8
54 70.5 54.7 82.1

Manual Integrations

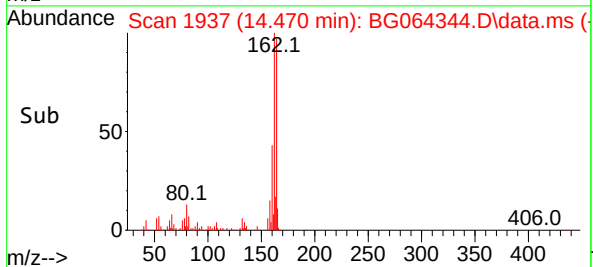
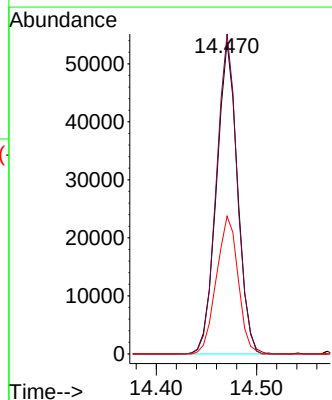
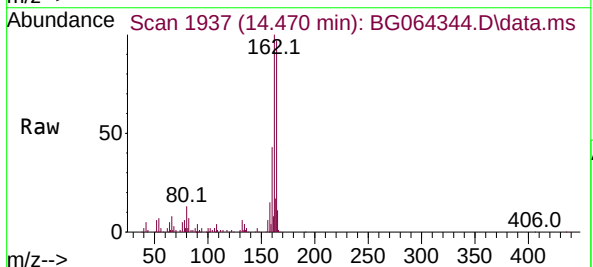
APPROVED

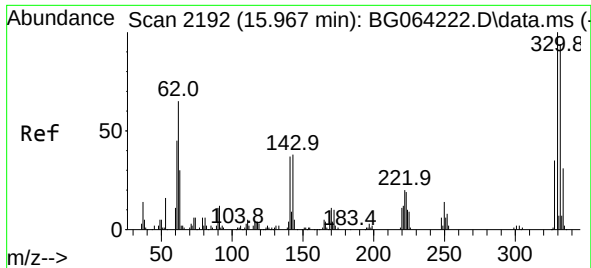
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.470 min Scan# 1937
Delta R.T. -0.011 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

Tgt Ion:164 Resp: 78236
Ion Ratio Lower Upper
164 100
162 102.7 85.4 128.0
160 44.2 39.2 58.8





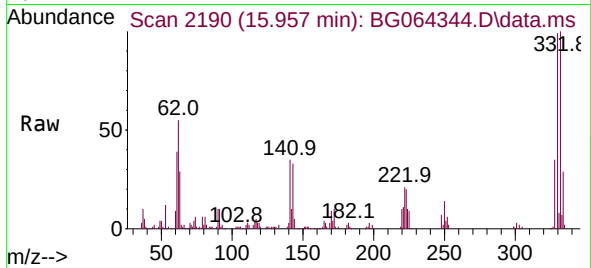
#42
2,4,6-Tribromophenol
Concen: 80.514 ng
RT: 15.957 min Scan# 2192
Delta R.T. -0.016 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

Instrument :

BNA_G

ClientSampleId :

OR-03-090925



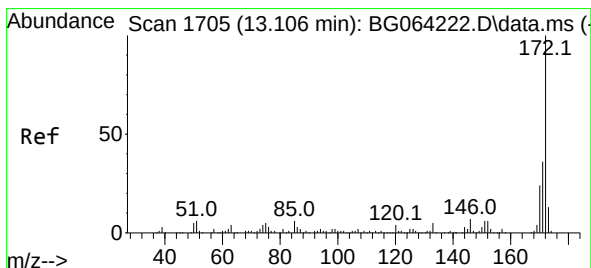
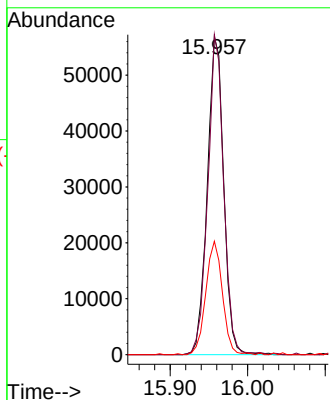
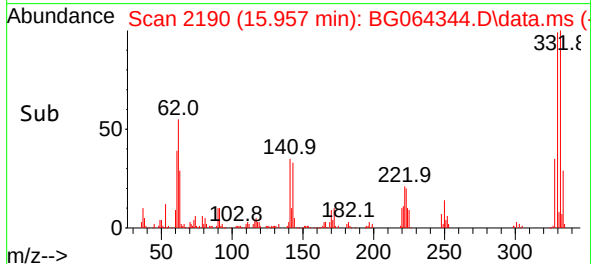
Tgt Ion:330 Resp: 83434
Ion Ratio Lower Upper
330 100
332 97.5 77.6 116.4
141 36.2 29.8 44.6

Manual Integrations

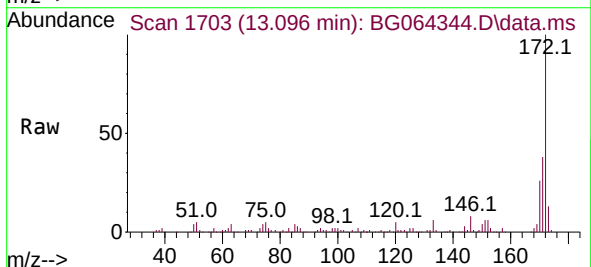
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Reviewed By :Rahul Chavli 09/11/2025

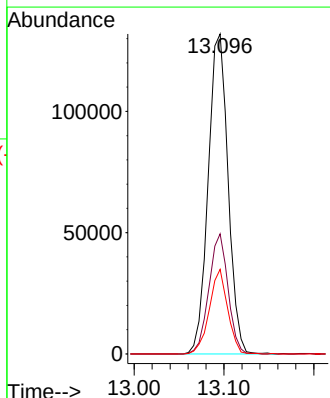
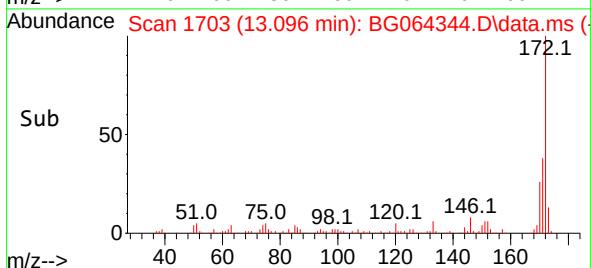
Supervised By :Jagrut Upadhyay 09/11/2025

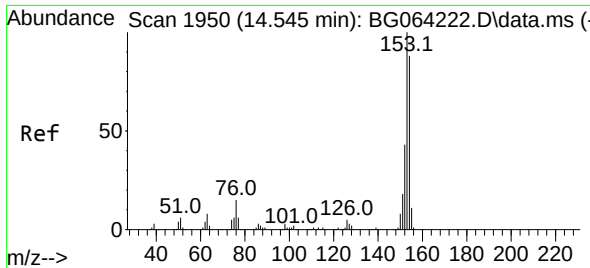


#45
2-Fluorobiphenyl
Concen: 39.768 ng
RT: 13.096 min Scan# 1703
Delta R.T. -0.016 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53



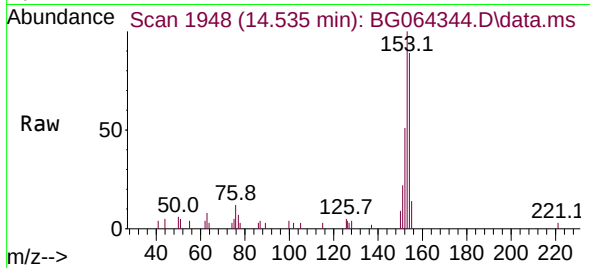
Tgt Ion:172 Resp: 203836
Ion Ratio Lower Upper
172 100
171 37.5 28.7 43.1
170 26.4 19.0 28.6





#52
Acenaphthene
Concen: 2.087 ng
RT: 14.535 min Scan# 1950
Delta R.T. -0.016 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

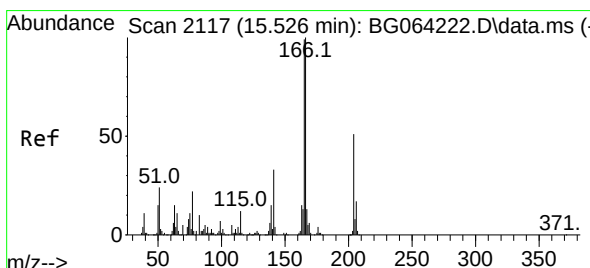
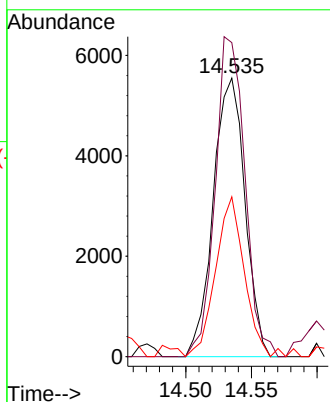
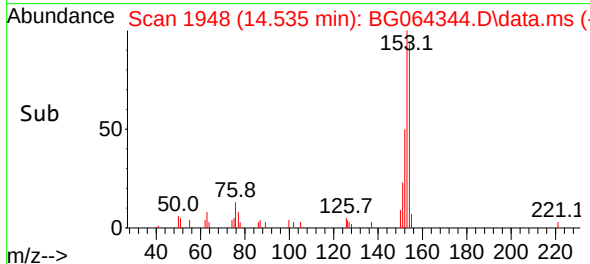
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ClientSampleId :
OR-03-090925



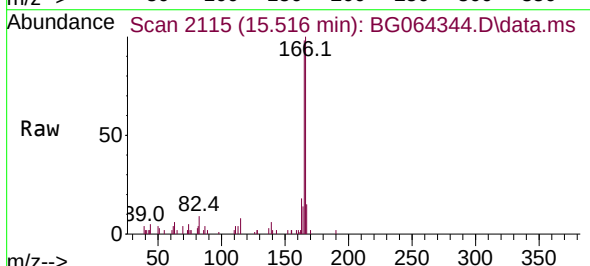
Tgt Ion:154 Resp: 9328
Ion Ratio Lower Upper
154 100
153 112.7 91.1 136.7
152 57.4 39.6 59.4

Manual Integrations
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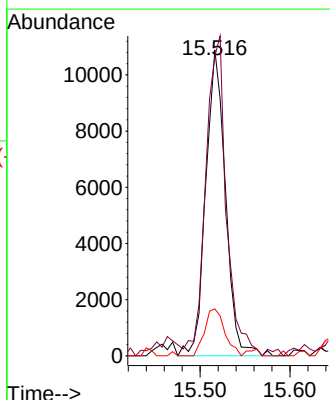
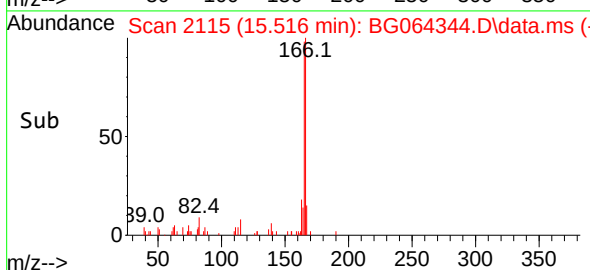
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

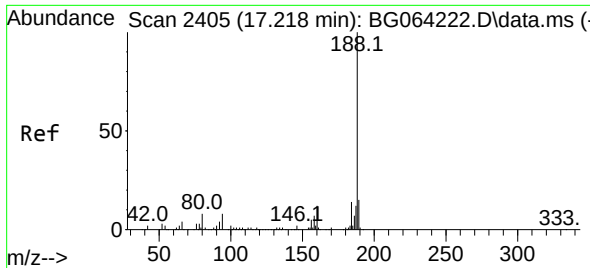


#58
Fluorene
Concen: 2.892 ng
RT: 15.516 min Scan# 2115
Delta R.T. -0.016 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53



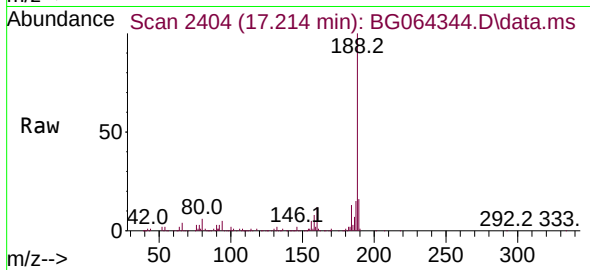
Tgt Ion:166 Resp: 16665
Ion Ratio Lower Upper
166 100
165 97.9 79.1 118.7
167 15.3 10.2 15.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.214 min Scan# 2405
Delta R.T. -0.010 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

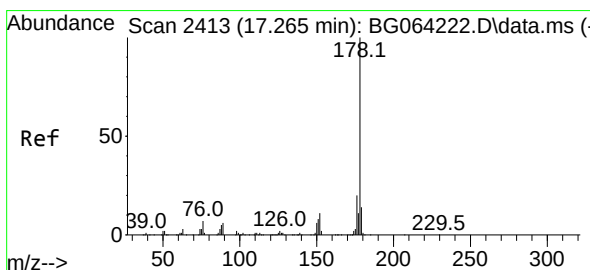
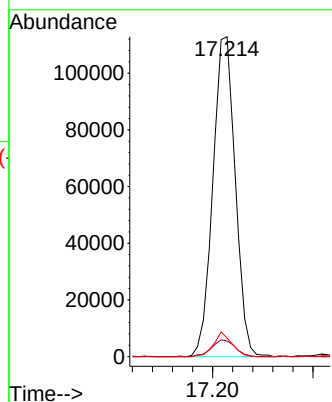
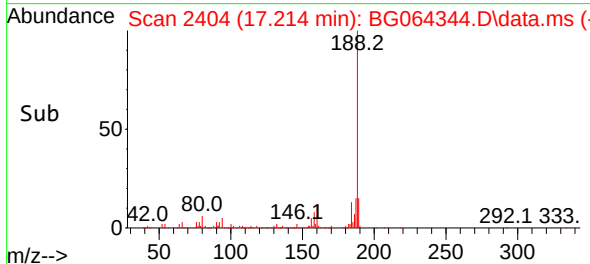
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:188 Resp: 175228
Ion Ratio Lower Upper
188 100
94 4.9 6.2 9.4
80 5.8 6.8 10.2

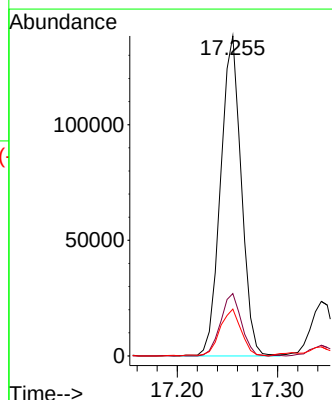
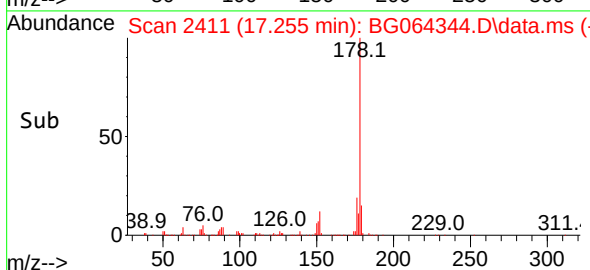
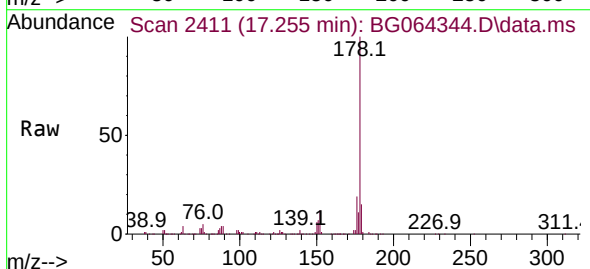
Manual Integrations
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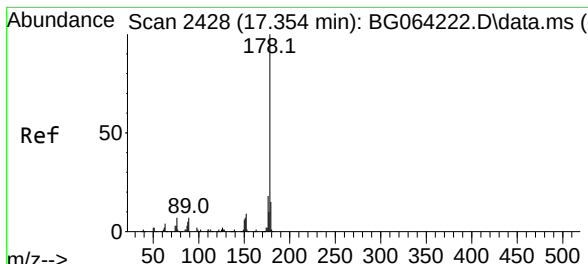
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#71
Phenanthrene
Concen: 21.472 ng
RT: 17.255 min Scan# 2411
Delta R.T. -0.010 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

Tgt Ion:178 Resp: 198444
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 14.6 11.4 17.2





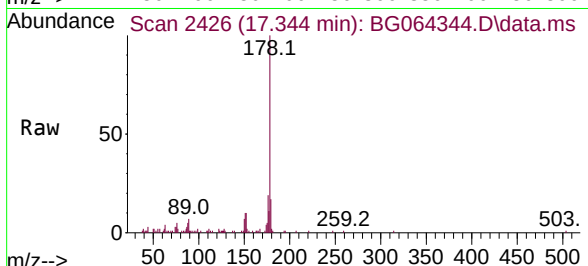
#72
 Anthracene
 Concen: 3.578 ng
 RT: 17.344 min Scan# 2426
 Delta R.T. -0.016 min
 Lab File: BG064344.D
 Acq: 10 Sep 2025 22:53

Instrument :

BNA_G

ClientSampleId :

OR-03-090925



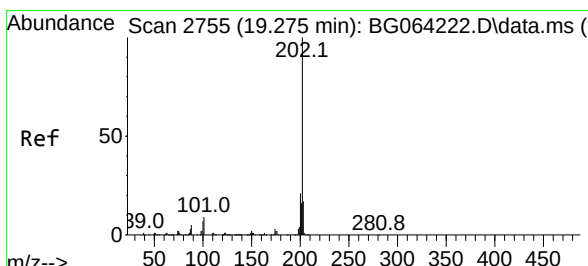
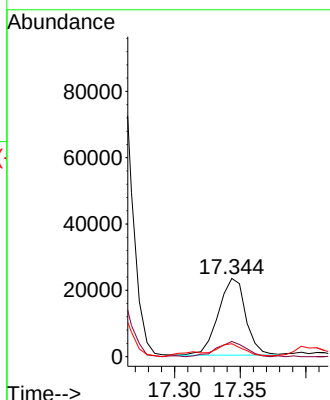
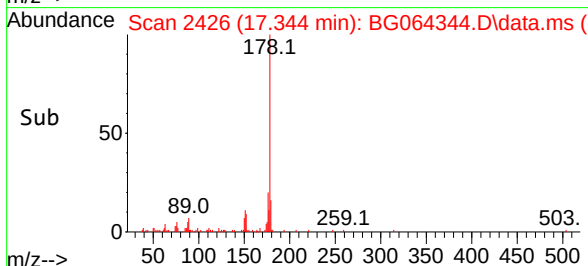
Tgt Ion:178 Resp: 33637
 Ion Ratio Lower Upper
 178 100
 176 19.4 14.7 22.1
 179 16.5 12.1 18.1

Manual Integrations

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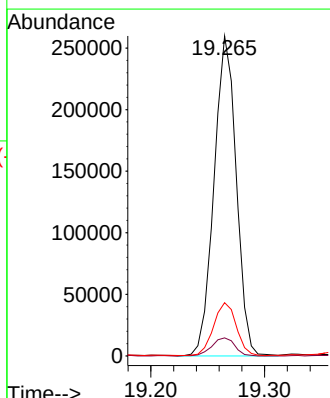
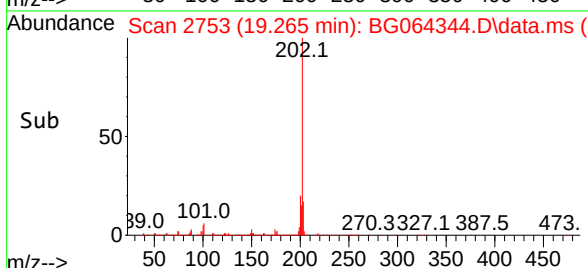
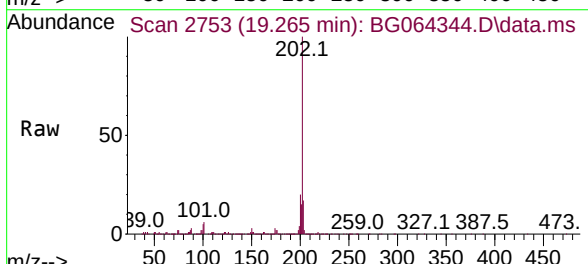
Reviewed By :Rahul Chavli 09/11/2025

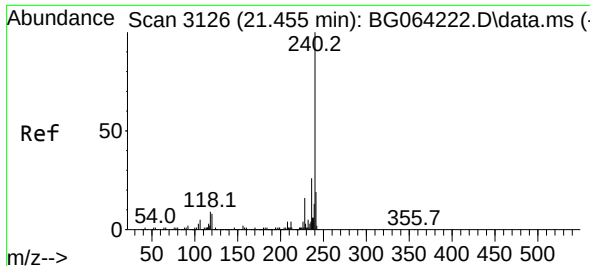
Supervised By :Jagrut Upadhyay 09/11/2025



#75
 Fluoranthene
 Concen: 32.487 ng
 RT: 19.265 min Scan# 2753
 Delta R.T. -0.010 min
 Lab File: BG064344.D
 Acq: 10 Sep 2025 22:53

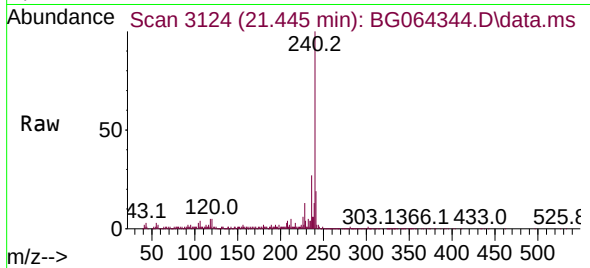
Tgt Ion:202 Resp: 353037
 Ion Ratio Lower Upper
 202 100
 101 5.6 0.0 28.7
 203 16.6 0.0 36.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3126
Delta R.T. -0.010 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

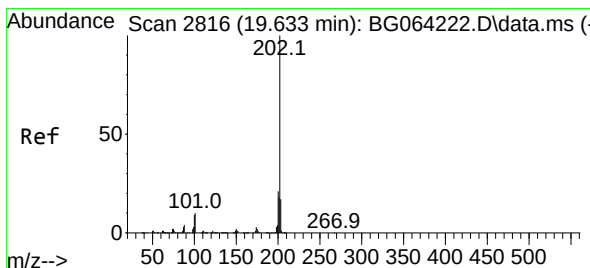
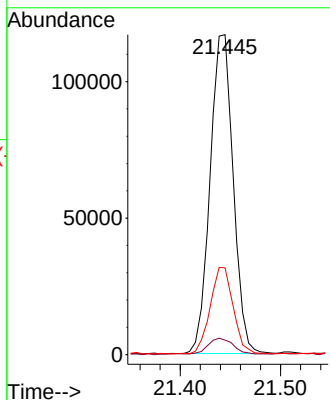
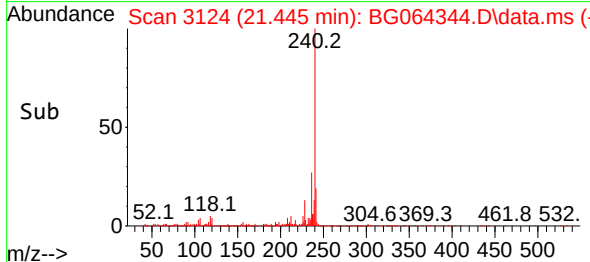
Instrument :
BNA_G
ClientSampleId :
OR-03-090925



Tgt Ion:240 Resp: 187383
Ion Ratio Lower Upper
240 100
120 4.5 6.2 9.4
236 27.1 20.5 30.7

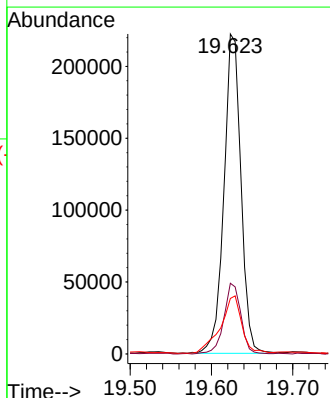
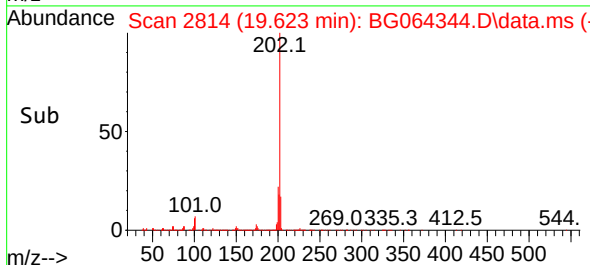
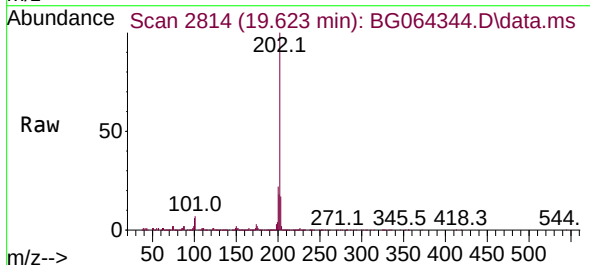
Manual Integrations
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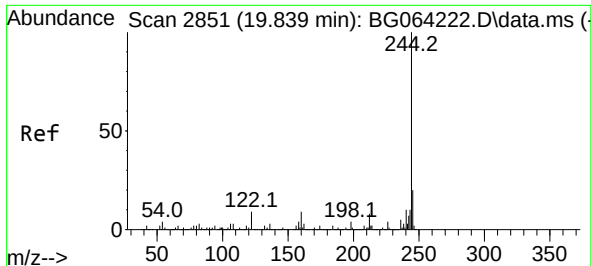
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#78
Pyrene
Concen: 27.332 ng
RT: 19.623 min Scan# 2814
Delta R.T. -0.016 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

Tgt Ion:202 Resp: 322669
Ion Ratio Lower Upper
202 100
200 22.1 16.9 25.3
203 17.3 13.8 20.8





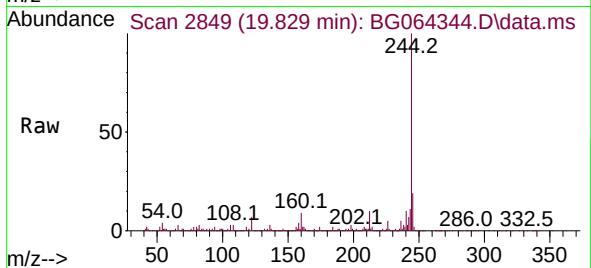
#79
 Terphenyl-d14
 Concen: 40.489 ng
 RT: 19.829 min Scan# 2851
 Delta R.T. -0.016 min
 Lab File: BG064344.D
 Acq: 10 Sep 2025 22:53

Instrument :

BNA_G

ClientSampleId :

OR-03-090925



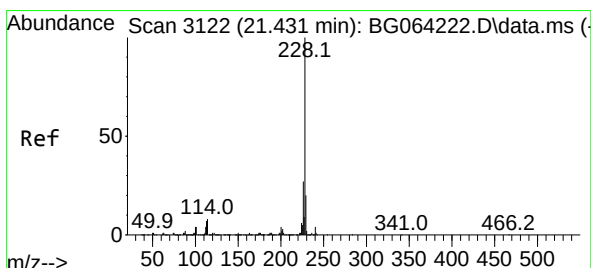
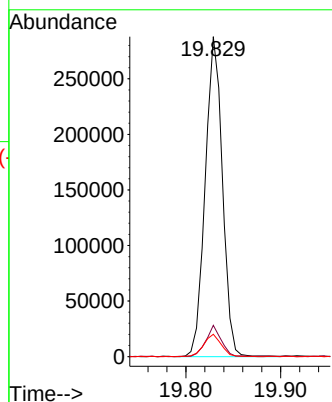
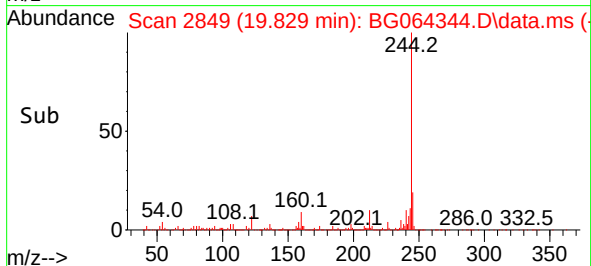
Tgt Ion:244 Resp: 363643
 Ion Ratio Lower Upper
 244 100
 212 9.8 6.6 10.0
 122 7.0 7.0 10.6

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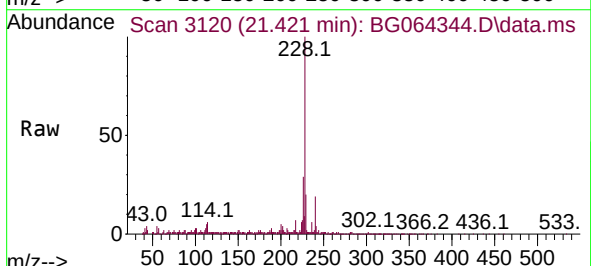
APPROVED

Reviewed By :Rahul Chavli 09/11/2025

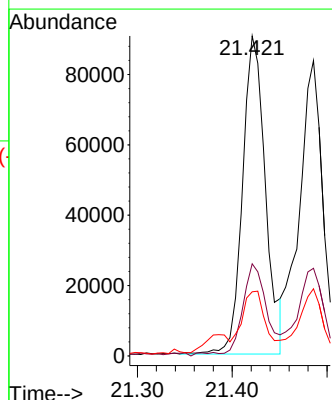
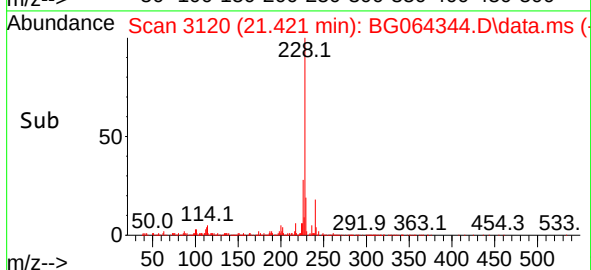
Supervised By :Jagrut Upadhyay 09/11/2025

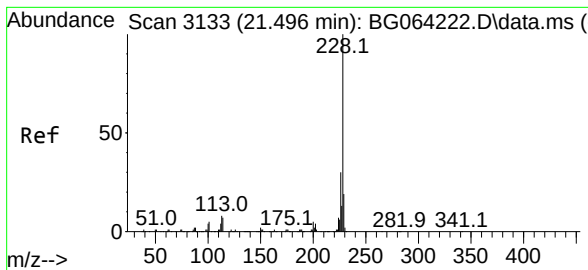


#81
 Benzo(a)anthracene
 Concen: 12.651 ng
 RT: 21.421 min Scan# 3120
 Delta R.T. -0.016 min
 Lab File: BG064344.D
 Acq: 10 Sep 2025 22:53



Tgt Ion:228 Resp: 151661
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.7 32.5
 229 20.0 15.9 23.9





#83

Chrysene

Concen: 12.407 ng

RT: 21.486 min Scan# 31

Delta R.T. -0.016 min

Lab File: BG064344.D

Acq: 10 Sep 2025 22:53

Instrument :

BNA_G

ClientSampleId :

OR-03-090925

Tgt Ion:228 Resp: 142789

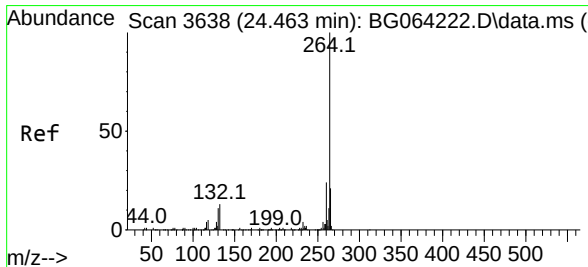
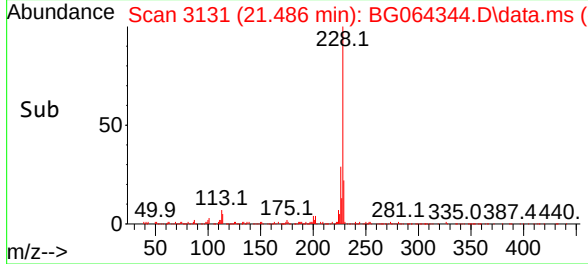
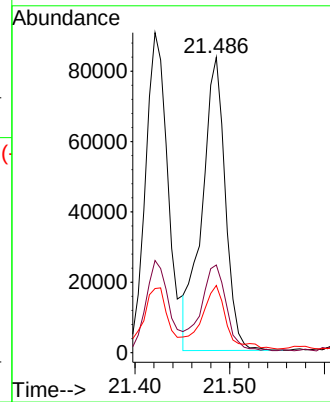
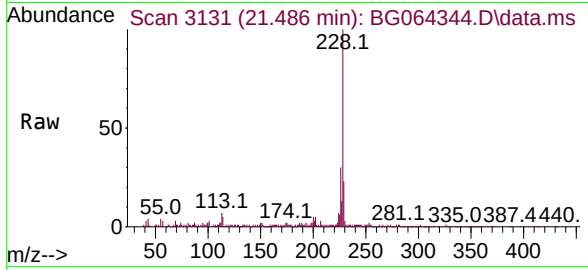
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.2	36.2
229	22.7	15.4	23.2

Manual Integrations

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Reviewed By :Rahul Chavli 09/11/2025

Supervised By :Jagrut Upadhyay 09/11/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.447 min Scan# 3635

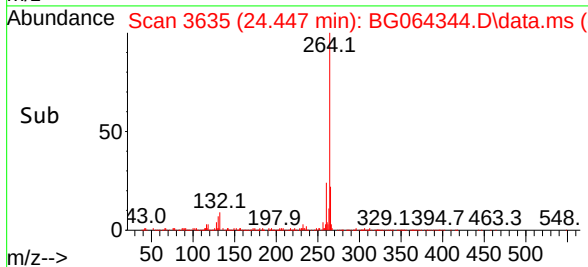
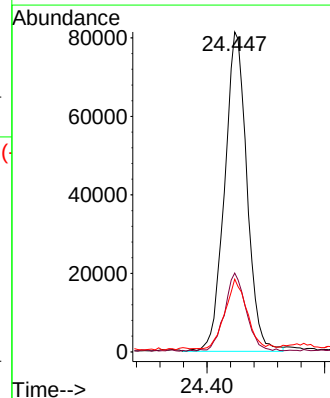
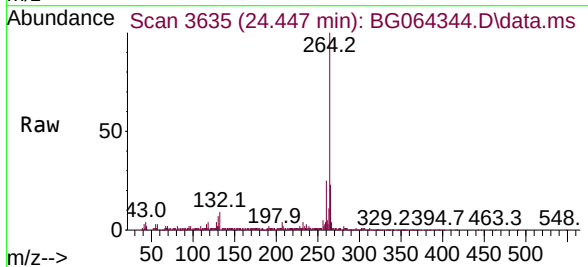
Delta R.T. -0.016 min

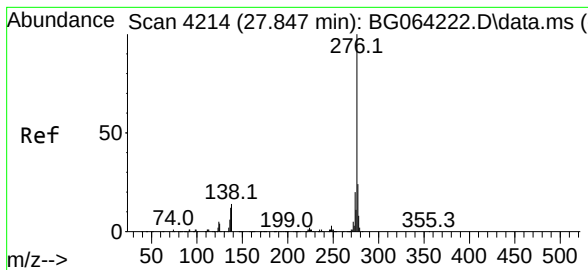
Lab File: BG064344.D

Acq: 10 Sep 2025 22:53

Tgt Ion:264 Resp: 213884

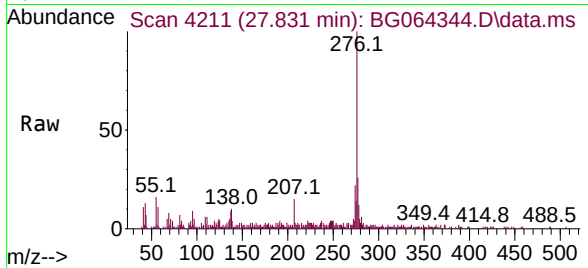
Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.9	28.3
265	22.7	16.7	25.1





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.515 ng
 RT: 27.831 min Scan# 4211
 Delta R.T. -0.040 min
 Lab File: BG064344.D
 Acq: 10 Sep 2025 22:53

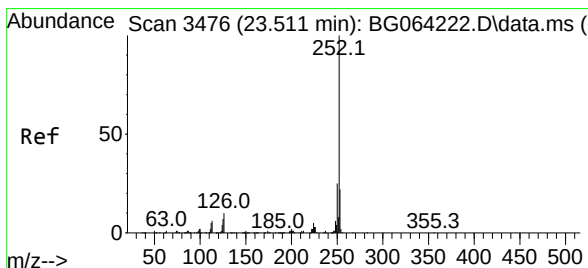
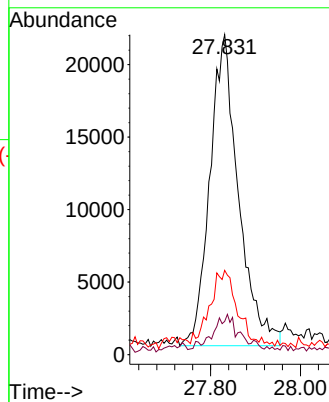
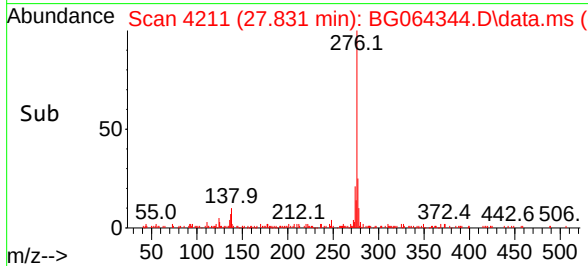
Instrument :
 BNA_G
 ClientSampleId :
 OR-03-090925



Tgt Ion:276 Resp: 95162
 Ion Ratio Lower Upper
 276 100
 138 6.9 7.4 11.0
 277 21.4 20.5 30.7

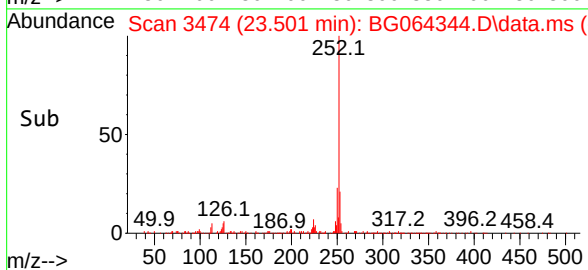
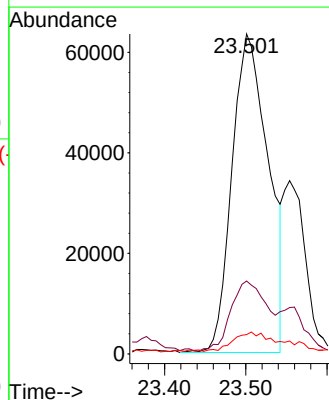
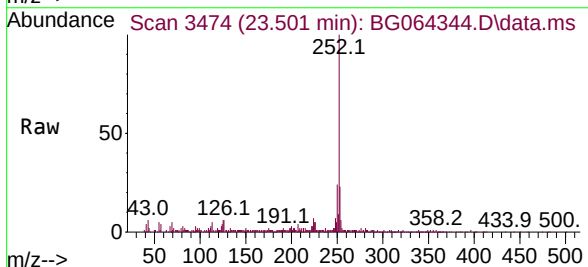
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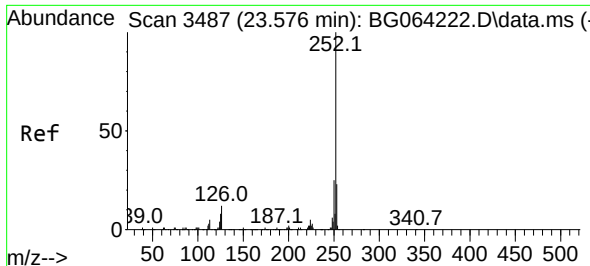
Reviewed By :Rahul Chavli 09/11/2025
 Supervised By :Jagrut Upadhyay 09/11/2025



#88
 Benzo(b)fluoranthene
 Concen: 16.309 ng
 RT: 23.501 min Scan# 3474
 Delta R.T. -0.016 min
 Lab File: BG064344.D
 Acq: 10 Sep 2025 22:53

Tgt Ion:252 Resp: 196877
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.5 26.3
 125 6.0 5.9 8.9





#89
Benzo(k)fluoranthene
Concen: 5.250 ng m
RT: 23.554 min Scan# 3483
Delta R.T. -0.034 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

Instrument :

BNA_G

ClientSampleId :

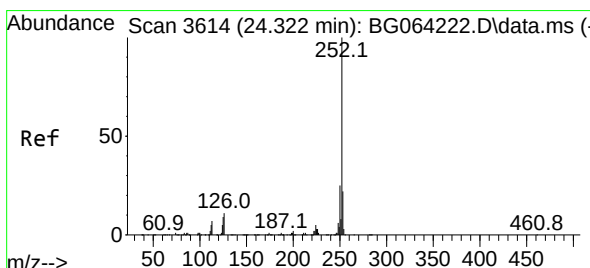
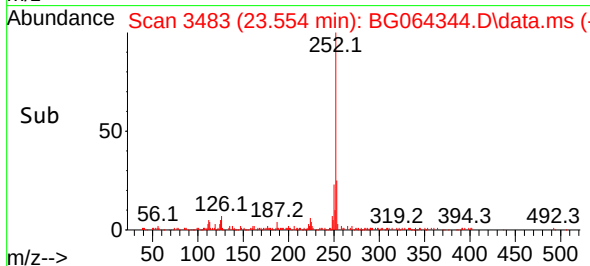
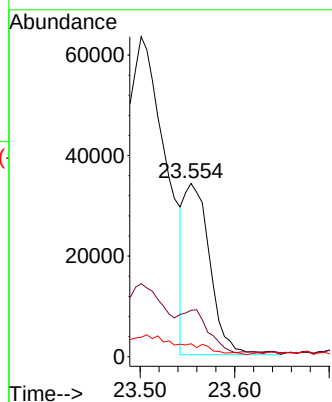
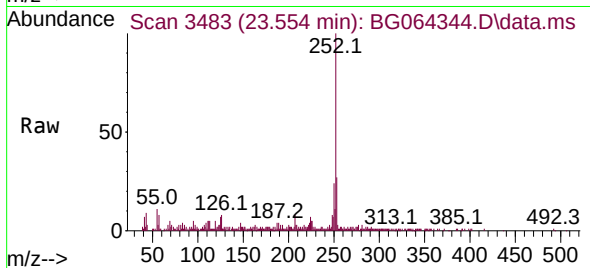
OR-03-090925

Tgt Ion:252 Resp: 64559
Ion Ratio Lower Upper
252 100
253 26.7 18.2 27.4
125 7.5 7.0 10.4

Manual Integrations

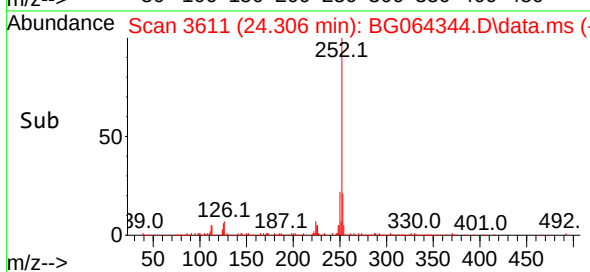
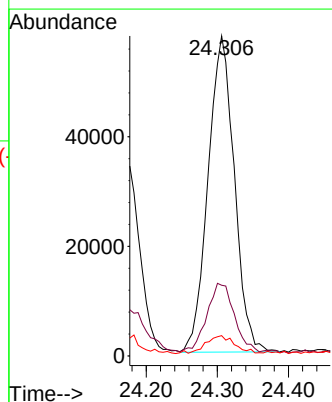
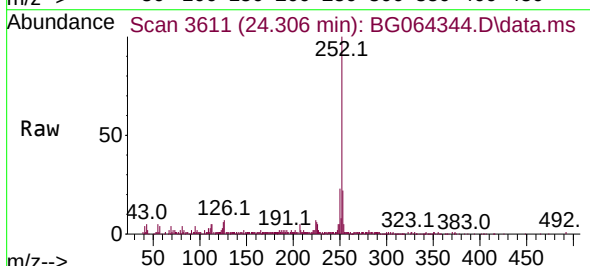
APPROVED

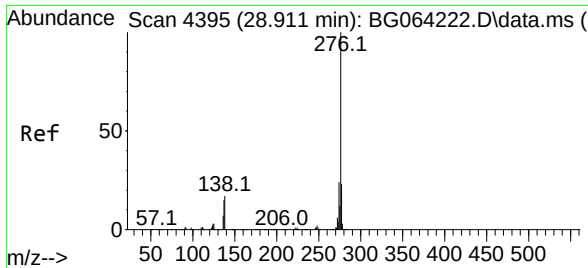
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#90
Benzo(a)pyrene
Concen: 13.206 ng
RT: 24.306 min Scan# 3611
Delta R.T. -0.022 min
Lab File: BG064344.D
Acq: 10 Sep 2025 22:53

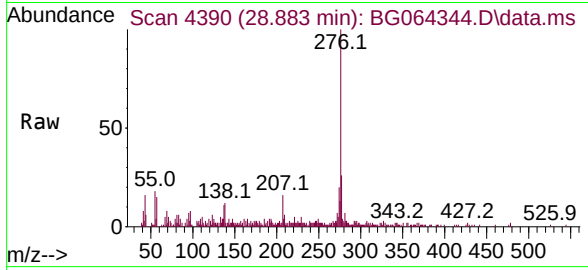
Tgt Ion:252 Resp: 148289
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 6.3 7.0 10.6#





#92
 Benzo(g,h,i)perylene
 Concen: 7.826 ng
 RT: 28.883 min Scan# 4390
 Delta R.T. -0.051 min
 Lab File: BG064344.D
 Acq: 10 Sep 2025 22:53

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-090925



Tgt Ion:	276	Resp:	8930
Ion Ratio	Lower	Upper	
276	100		
277	25.9	18.2	27.4
138	11.9	13.3	19.9

Manual Integrations
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Reviewed By :Rahul Chavli 09/11/2025
 Supervised By :Jagrut Upadhyay 09/11/2025

