

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
 Data File : BG064607.D
 Acq On : 28 Oct 2025 18:35
 Operator : RC/JU
 Sample : Q3427-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-8

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/29/2025
 Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 04 05:53:42 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	8.217	152	38238	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	142465	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	104362	20.000	ng	0.00
64) Phenanthrene-d10	17.571	188	245633	20.000	ng	-0.01
76) Chrysene-d12	21.848	240	289389	20.000	ng	#-0.01
86) Perylene-d12	25.191	264	316216	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.744	112	138563	60.824	ng	0.00
7) Phenol-d6	7.348	99	173983	55.656	ng	0.00
23) Nitrobenzene-d5	9.375	82	98317	41.450	ng	-0.01
42) 2,4,6-Tribromophenol	16.314	330	87733	58.246	ng	0.00
45) 2-Fluorobiphenyl	13.464	172	231144	33.571	ng	-0.01
79) Terphenyl-d14	20.162	244	521571	34.013	ng	-0.01
Target Compounds						Qvalue
58) Fluorene	15.879	166	21753	2.855	ng	96
71) Phenanthrene	17.618	178	272393	20.278	ng	98
72) Anthracene	17.706	178	98901	7.238	ng	96
75) Fluoranthene	19.616	202	749773	44.556	ng	98
78) Pyrene	19.968	202	586677	31.029	ng	98
81) Benzo(a)anthracene	21.831	228	418428	21.807	ng	100
83) Chrysene	21.895	228	334092	18.299	ng	97
87) Indeno(1,2,3-cd)pyrene	29.022	276	212315	9.127	ng	# 92
88) Benzo(b)fluoranthene	24.128	252	465232	23.993	ng	98
89) Benzo(k)fluoranthene	24.193	252	169973m	8.760	ng	
90) Benzo(a)pyrene	25.033	252	333940	18.736	ng	98
91) Dibenzo(a,h)anthracene	29.069	278	63747m	3.373	ng	
92) Benzo(g,h,i)perylene	30.203	276	178422	9.883	ng	96

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

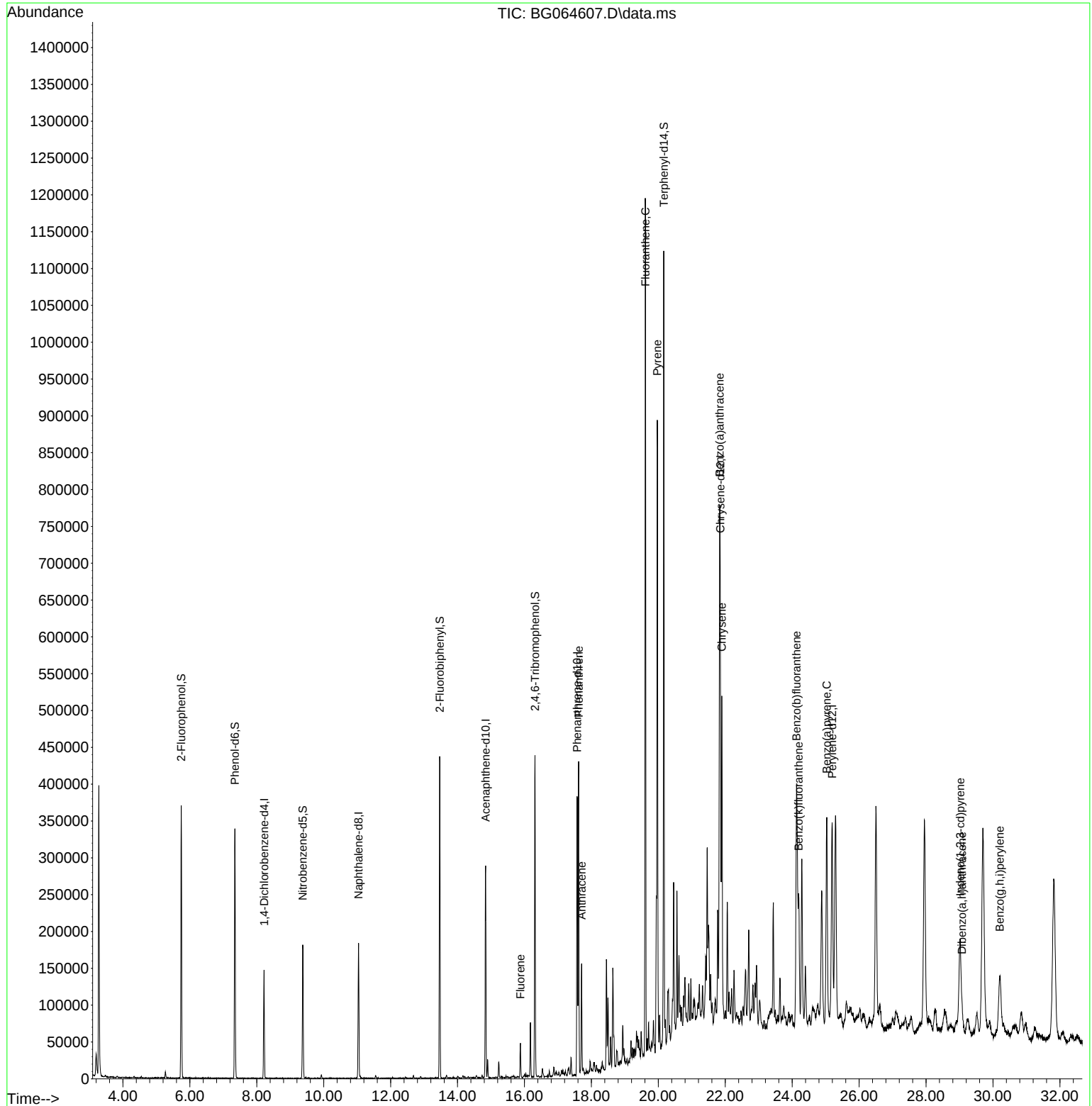
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064607.D
Acq On : 28 Oct 2025 18:35
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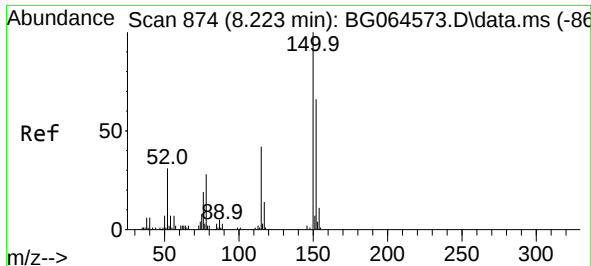
Instrument :
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Quant Time: Nov 04 05:53:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
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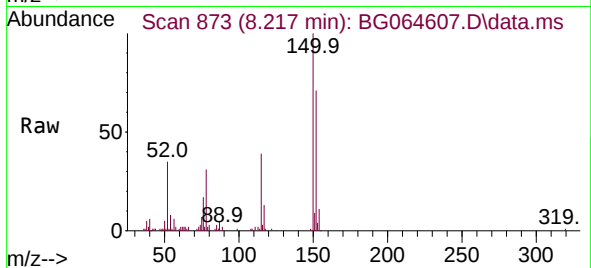
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 11/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG064607.D
Acq: 28 Oct 2025 18:35

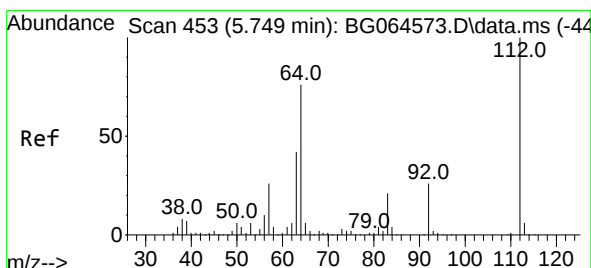
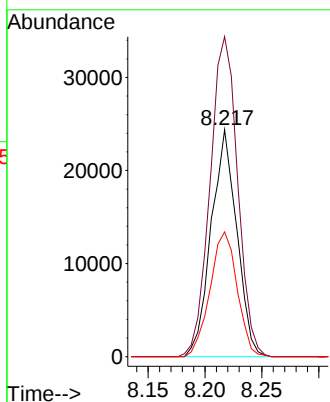
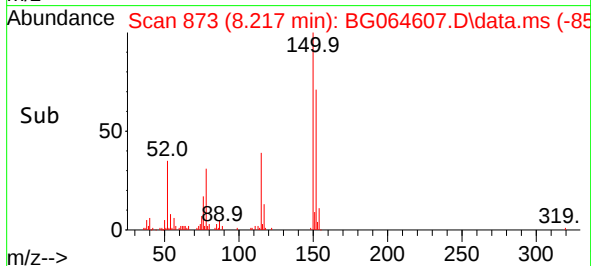
Instrument :
BNA_G
ClientSampleId :
TP-8



Tgt Ion:152 Resp: 38238
Ion Ratio Lower Upper
152 100
150 141.0 122.2 183.4
115 55.0 50.8 76.2

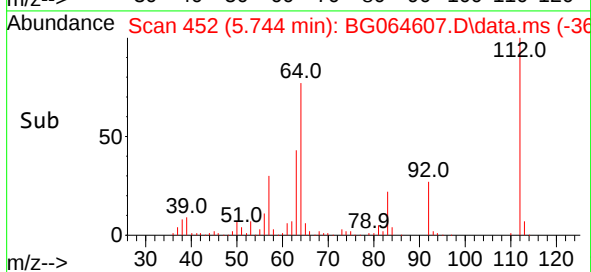
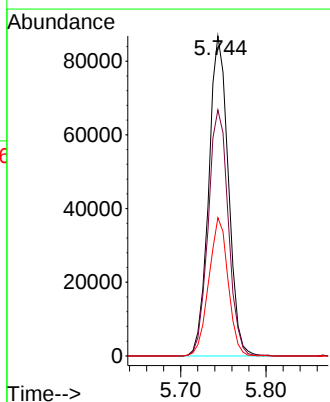
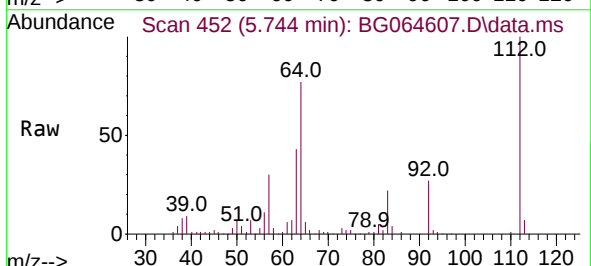
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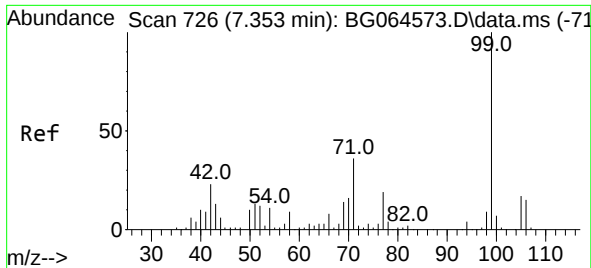
Reviewed By :Rahul Chavli 10/29/2025
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#5
2-Fluorophenol
Concen: 60.824 ng
RT: 5.744 min Scan# 452
Delta R.T. -0.006 min
Lab File: BG064607.D
Acq: 28 Oct 2025 18:35

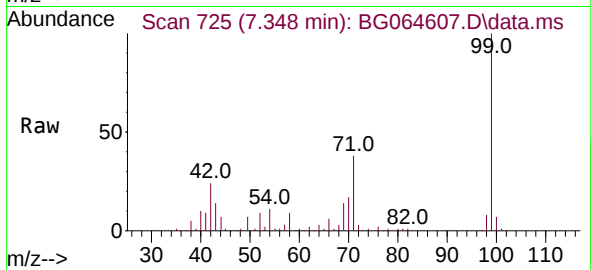
Tgt Ion:112 Resp: 138563
Ion Ratio Lower Upper
112 100
64 76.9 60.7 91.1
63 43.2 33.4 50.0





#7
Phenol-d6
Concen: 55.656 ng
RT: 7.348 min Scan# 71
Delta R.T. -0.006 min
Lab File: BG064607.D
Acq: 28 Oct 2025 18:35

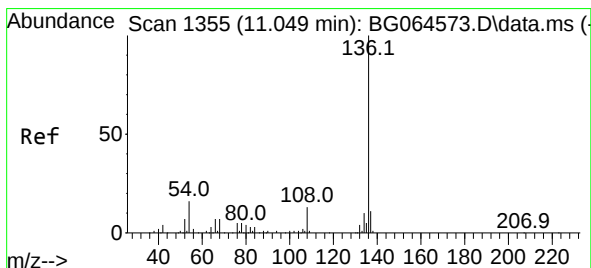
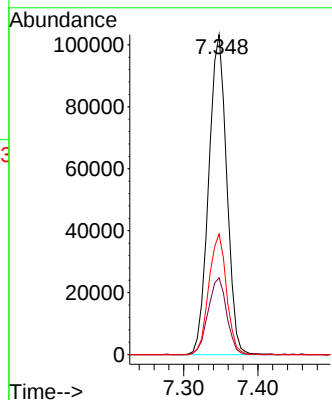
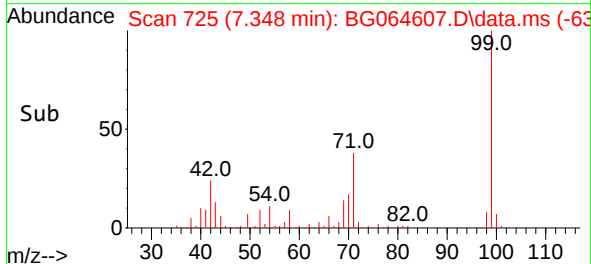
Instrument :
BNA_G
ClientSampleId :
TP-8



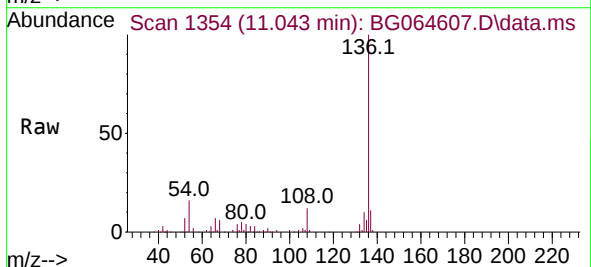
Tgt Ion: 99 Resp: 173983
Ion Ratio Lower Upper
99 100
42 24.0 18.3 27.5
71 37.7 28.6 43.0

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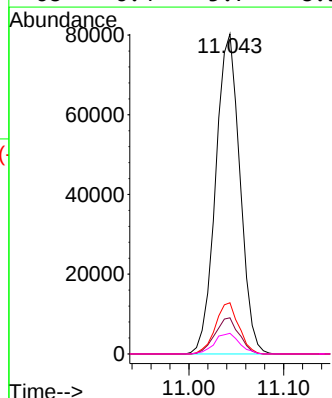
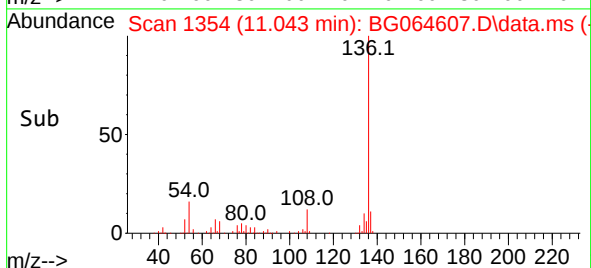
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 11/05/2025

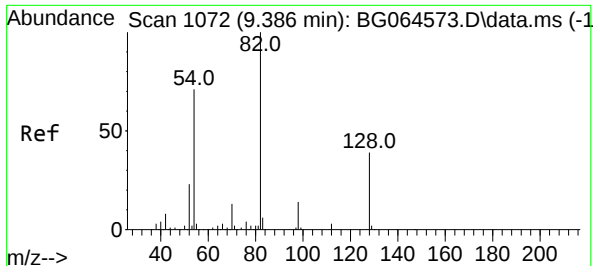


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1354
Delta R.T. -0.006 min
Lab File: BG064607.D
Acq: 28 Oct 2025 18:35



Tgt Ion:136 Resp: 142465
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 16.0 12.6 19.0
68 6.4 5.7 8.5





#23

Nitrobenzene-d5

Concen: 41.450 ng

RT: 9.375 min Scan# 10

Delta R.T. -0.012 min

Lab File: BG064607.D

Acq: 28 Oct 2025 18:35

Instrument :

BNA_G

ClientSampleId :

TP-8

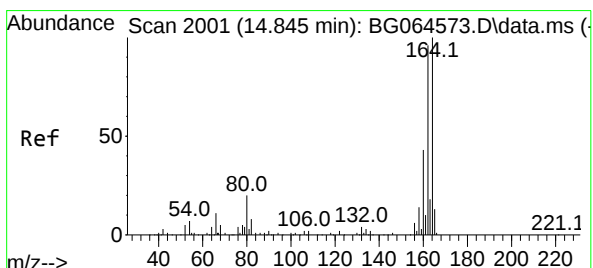
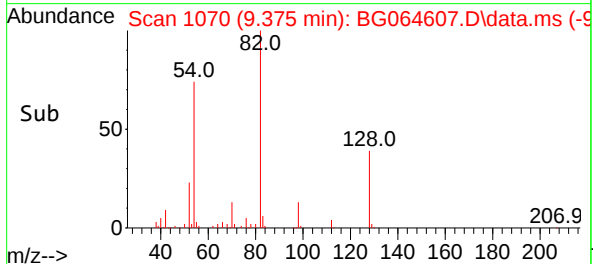
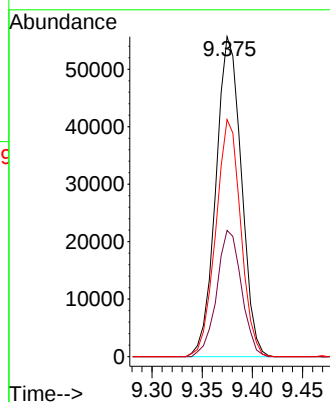
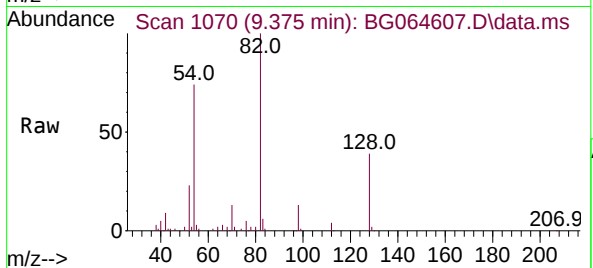
Tgt Ion: 82	Resp: 9831
Ion Ratio	Lower Upper
82	100
128	39.4 31.3 46.9
54	74.1 56.6 84.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

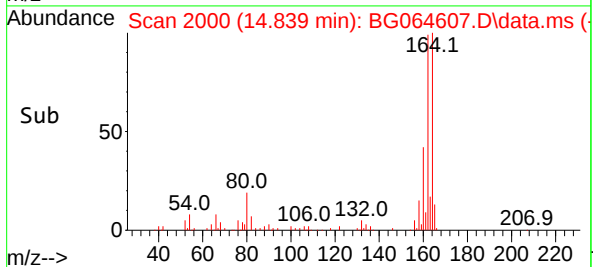
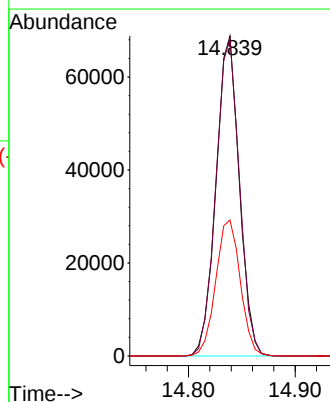
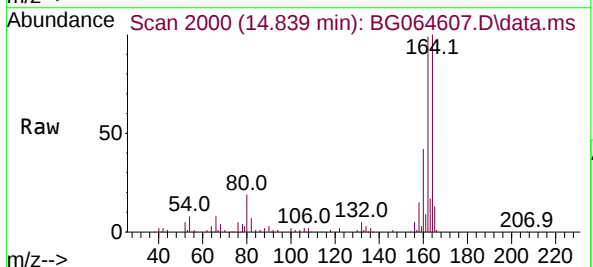
RT: 14.839 min Scan# 2000

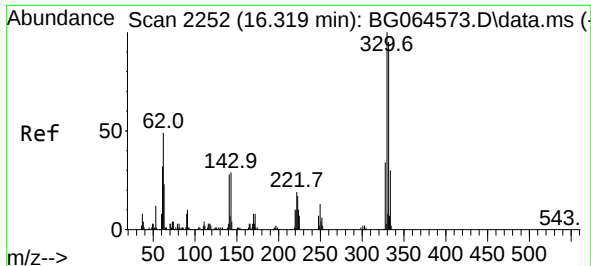
Delta R.T. -0.006 min

Lab File: BG064607.D

Acq: 28 Oct 2025 18:35

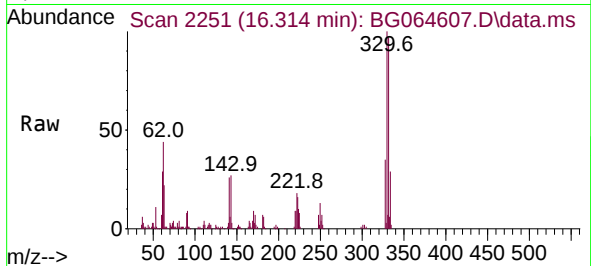
Tgt Ion:164	Resp: 104362
Ion Ratio	Lower Upper
164	100
162	99.3 77.0 115.6
160	42.5 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 58.246 ng
RT: 16.314 min Scan# 2252
Delta R.T. -0.006 min
Lab File: BG064607.D
Acq: 28 Oct 2025 18:35

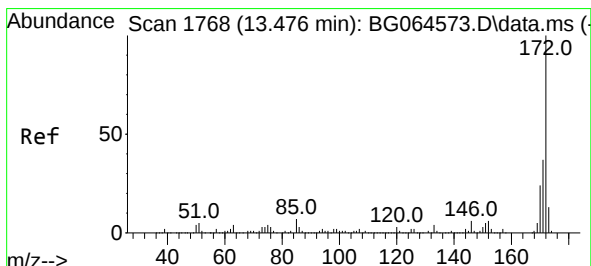
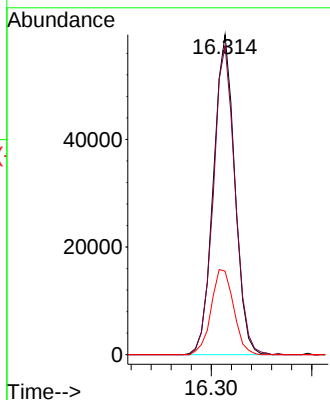
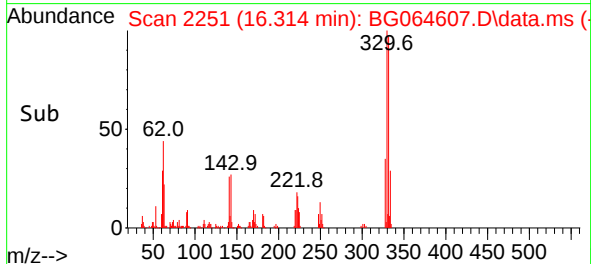
Instrument :
BNA_G
ClientSampleId :
TP-8



Tgt Ion:330 Resp: 87733
Ion Ratio Lower Upper
330 100
332 98.1 78.0 117.0
141 28.0 21.8 32.6

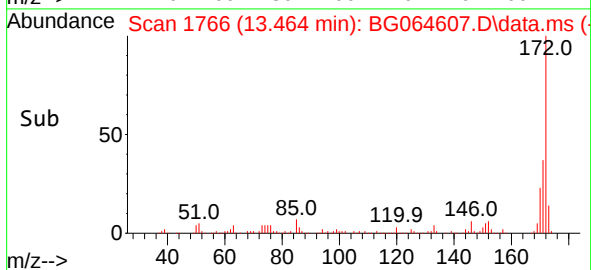
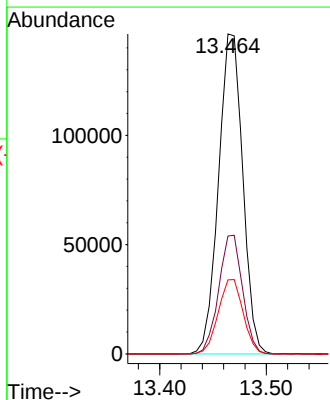
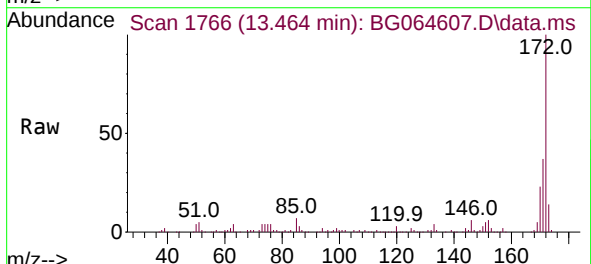
Manual Integrations
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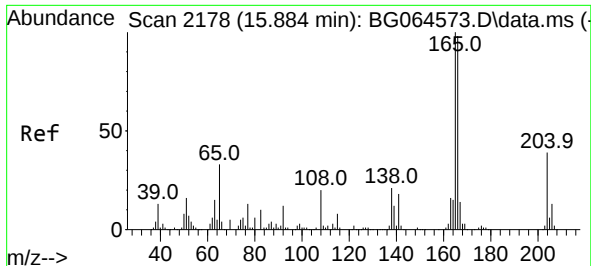
Reviewed By :Rahul Chavli 10/29/2025
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#45
2-Fluorobiphenyl
Concen: 33.571 ng
RT: 13.464 min Scan# 1766
Delta R.T. -0.012 min
Lab File: BG064607.D
Acq: 28 Oct 2025 18:35

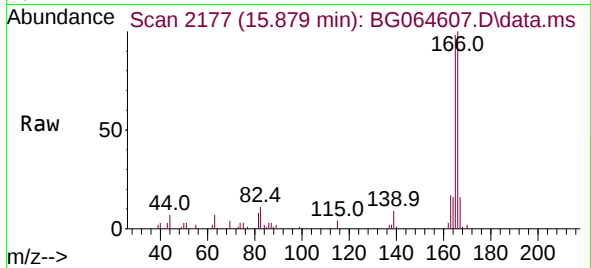
Tgt Ion:172 Resp: 231144
Ion Ratio Lower Upper
172 100
171 36.8 29.4 44.0
170 23.1 19.1 28.7





#58
Fluorene
Concen: 2.855 ng
RT: 15.879 min Scan# 2175
Delta R.T. -0.006 min
Lab File: BG064607.D
Acq: 28 Oct 2025 18:35

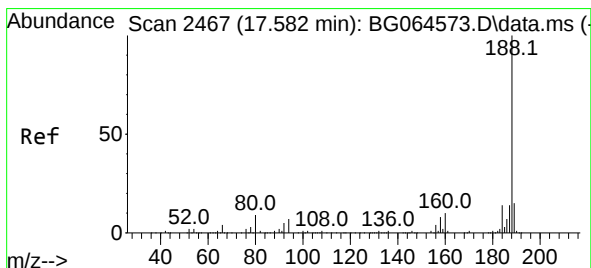
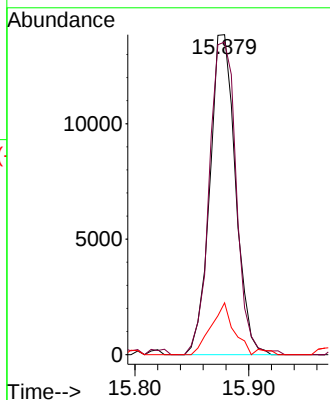
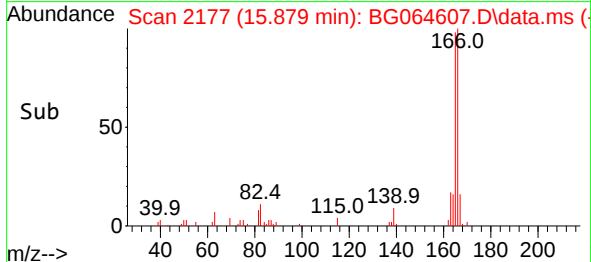
Instrument :
BNA_G
ClientSampleId :
TP-8



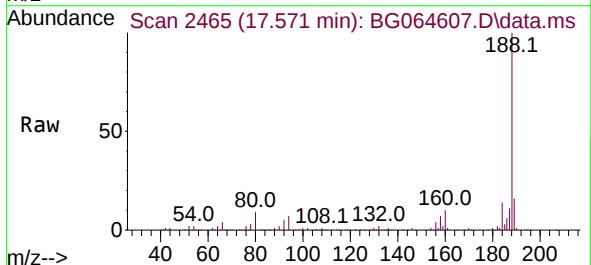
Tgt Ion:166 Resp: 2175
Ion Ratio Lower Upper
166 100
165 97.7 81.5 122.3
167 16.2 11.4 17.0

Manual Integrations
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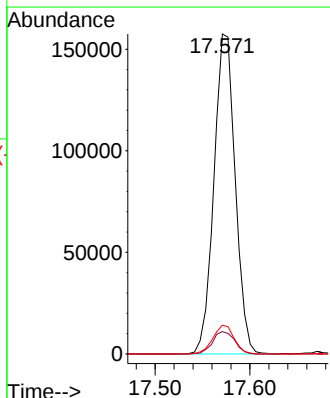
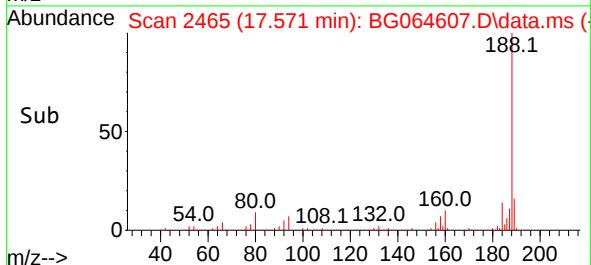
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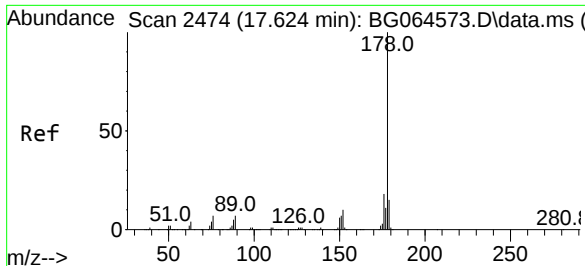


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.571 min Scan# 2465
Delta R.T. -0.012 min
Lab File: BG064607.D
Acq: 28 Oct 2025 18:35



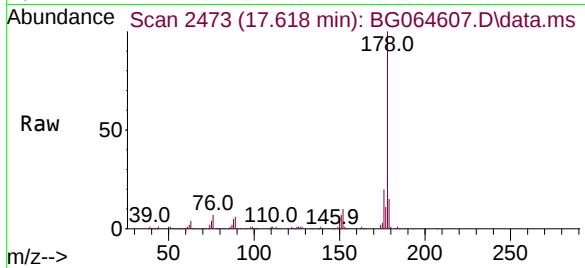
Tgt Ion:188 Resp: 245633
Ion Ratio Lower Upper
188 100
94 7.0 5.7 8.5
80 9.0 6.8 10.2





#71
Phenanthrene
Concen: 20.278 ng
RT: 17.618 min Scan# 2473
Delta R.T. -0.006 min
Lab File: BG064607.D
Acq: 28 Oct 2025 18:35

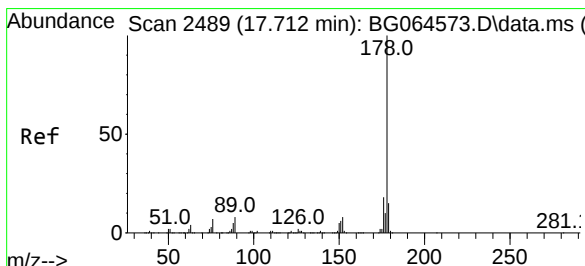
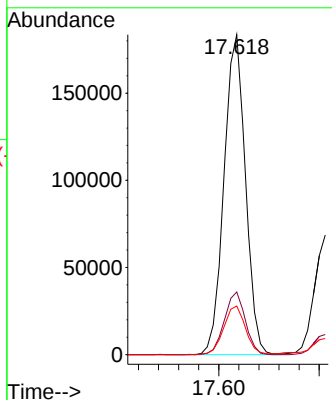
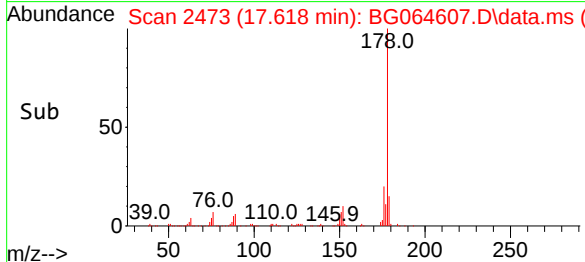
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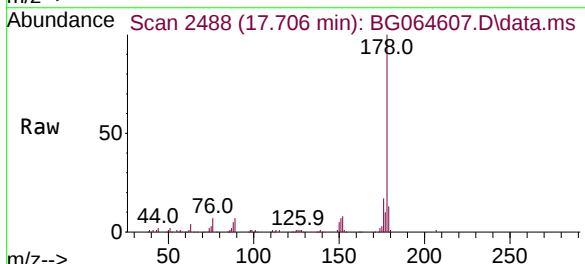
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Ion Ratio Lower Upper
178 100
176 19.6 14.7 22.1
179 15.2 12.2 18.4

Manual Integrations
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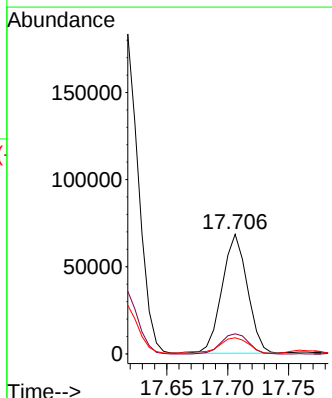
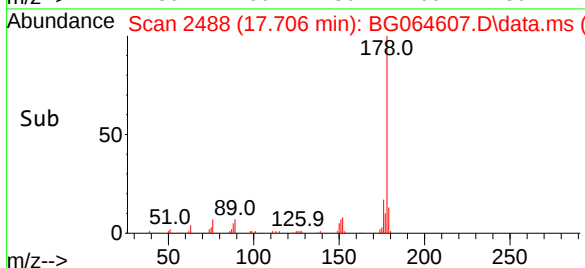
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Supervised By :mohammad ahmed 11/05/2025

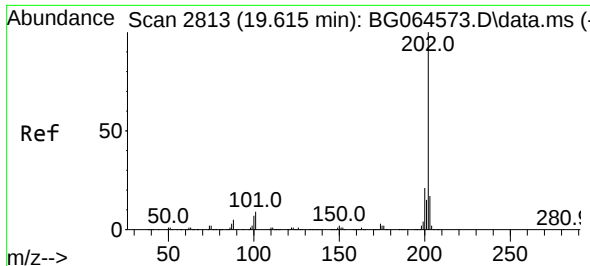


#72
Anthracene
Concen: 7.238 ng
RT: 17.706 min Scan# 2488
Delta R.T. -0.006 min
Lab File: BG064607.D
Acq: 28 Oct 2025 18:35



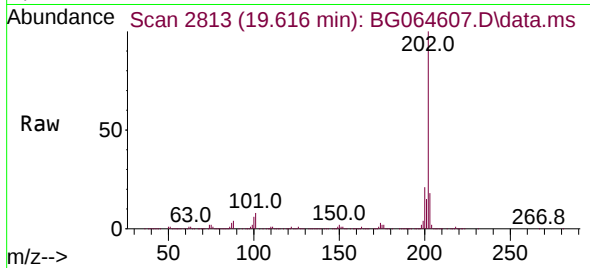
Tgt Ion:178 Resp: 98901
Ion Ratio Lower Upper
178 100
176 16.8 14.4 21.6
179 13.4 12.4 18.6





#75
Fluoranthene
Concen: 44.556 ng
RT: 19.616 min Scan# 2813
Delta R.T. 0.000 min
Lab File: BG064607.D
Acq: 28 Oct 2025 18:35

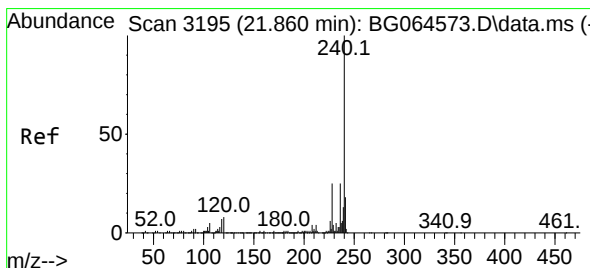
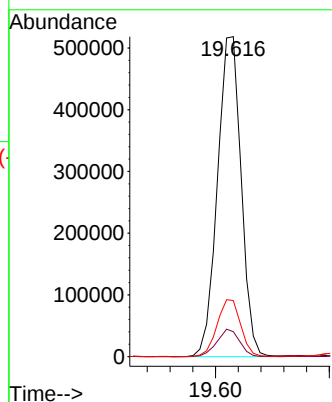
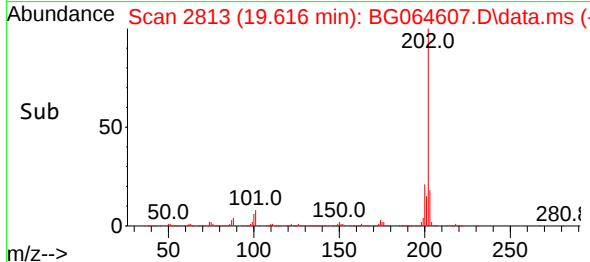
Instrument :
BNA_G
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TP-8



Tgt Ion:202 Resp: 749773
Ion Ratio Lower Upper
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101 7.8 0.0 28.7
203 17.5 0.0 37.0

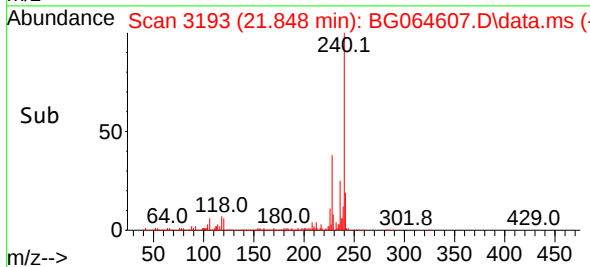
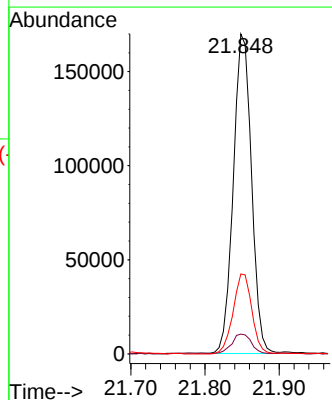
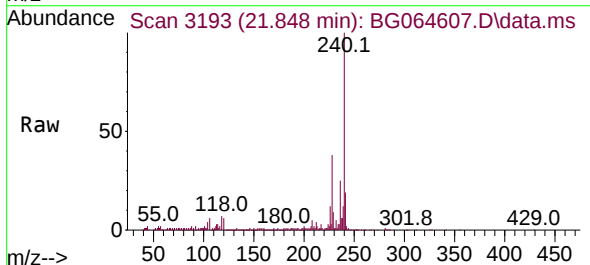
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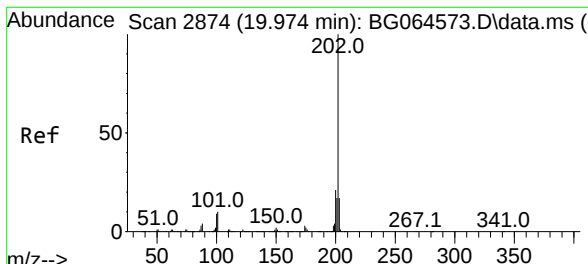
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 11/05/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.848 min Scan# 3193
Delta R.T. -0.012 min
Lab File: BG064607.D
Acq: 28 Oct 2025 18:35

Tgt Ion:240 Resp: 289389
Ion Ratio Lower Upper
240 100
120 6.2 6.5 9.7#
236 25.0 20.2 30.2





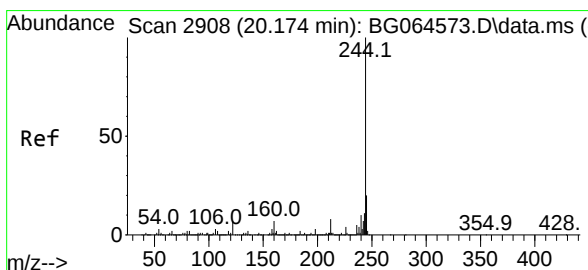
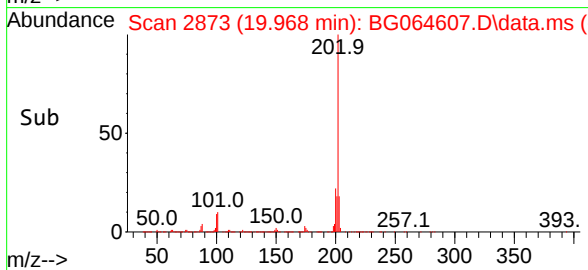
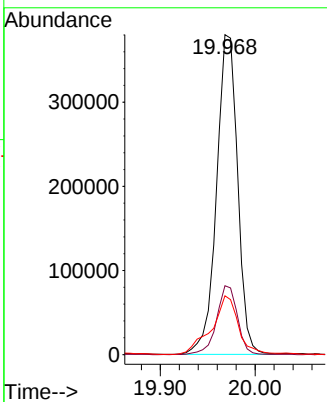
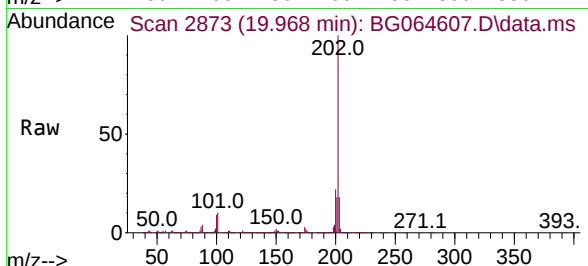
#78
 Pyrene
 Concen: 31.029 ng
 RT: 19.968 min Scan# 2873
 Delta R.T. -0.006 min
 Lab File: BG064607.D
 Acq: 28 Oct 2025 18:35

Instrument :
 BNA_G
 ClientSampleId :
 TP-8

Tgt Ion:	202	Resp:	58667
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.0	25.4
203	18.4	13.8	20.6

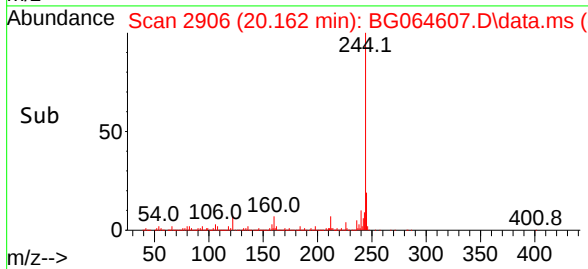
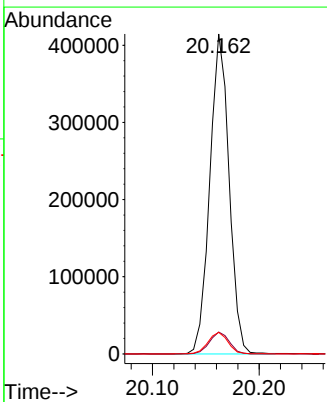
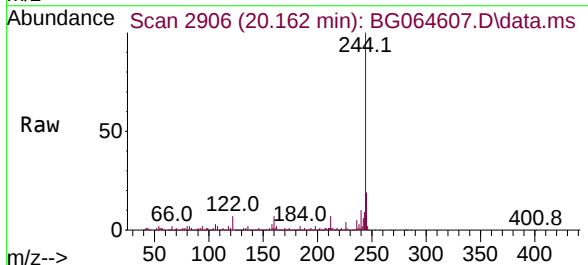
Manual Integrations
 APPROVED

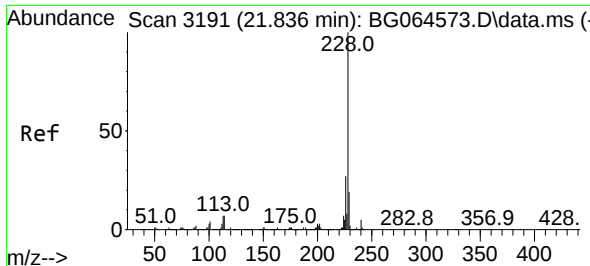
Reviewed By :Rahul Chavli 10/29/2025
 Supervised By :mohammad ahmed 11/05/2025



#79
 Terphenyl-d14
 Concen: 34.013 ng
 RT: 20.162 min Scan# 2906
 Delta R.T. -0.012 min
 Lab File: BG064607.D
 Acq: 28 Oct 2025 18:35

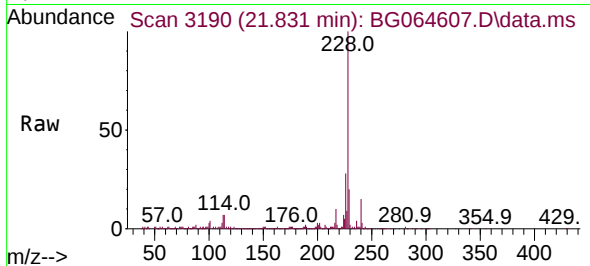
Tgt Ion:	244	Resp:	521571
Ion Ratio	Lower	Upper	
244	100		
212	6.8	6.1	9.1
122	6.7	5.6	8.4





#81
Benzo(a)anthracene
Concen: 21.807 ng
RT: 21.831 min Scan# 3191
Delta R.T. -0.006 min
Lab File: BG064607.D
Acq: 28 Oct 2025 18:35

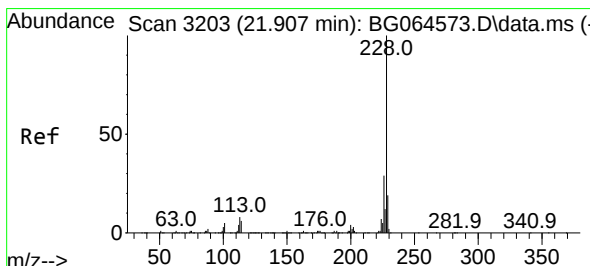
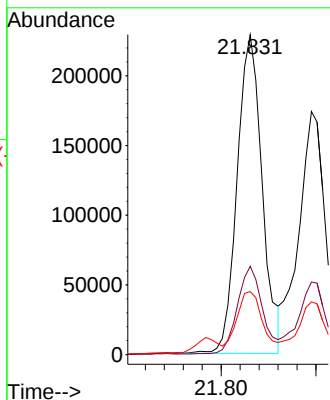
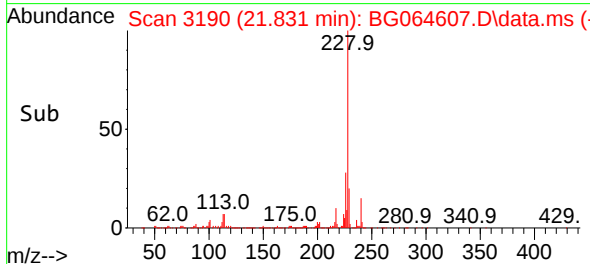
Instrument :
BNA_G
ClientSampleId :
TP-8



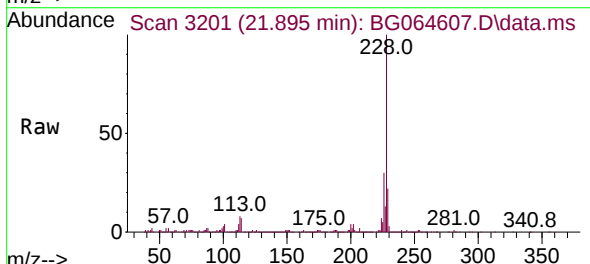
Tgt Ion:228 Resp: 418428
Ion Ratio Lower Upper
228 100
226 27.6 21.9 32.9
229 19.7 15.6 23.4

Manual Integrations
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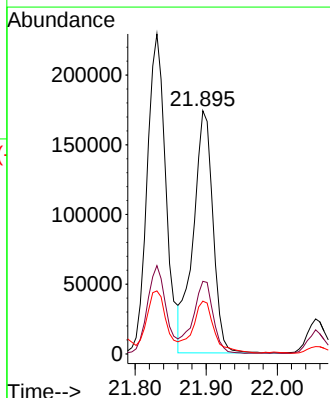
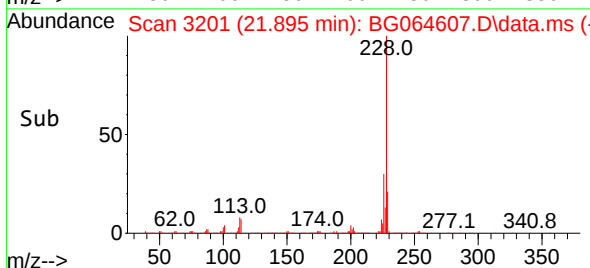
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 11/05/2025

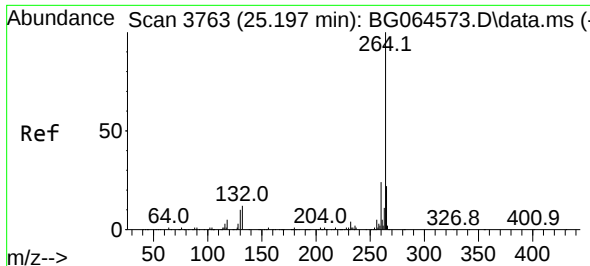


#83
Chrysene
Concen: 18.299 ng
RT: 21.895 min Scan# 3201
Delta R.T. -0.012 min
Lab File: BG064607.D
Acq: 28 Oct 2025 18:35



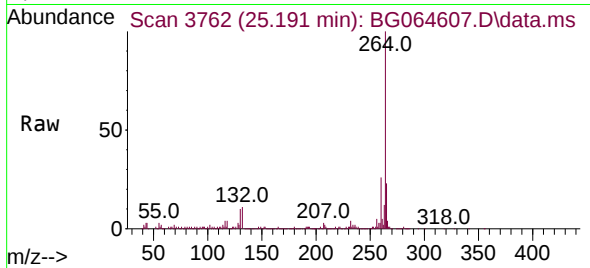
Tgt Ion:228 Resp: 334092
Ion Ratio Lower Upper
228 100
226 29.8 23.3 34.9
229 21.7 15.2 22.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.191 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG064607.D
Acq: 28 Oct 2025 18:35

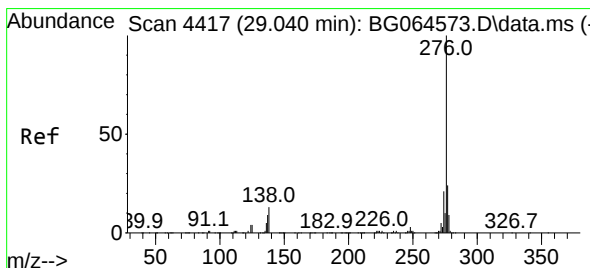
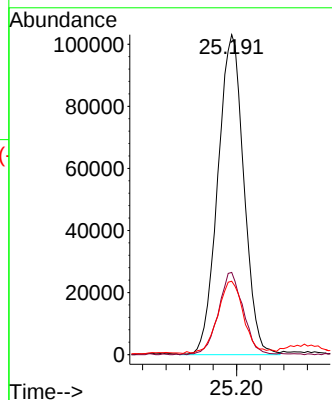
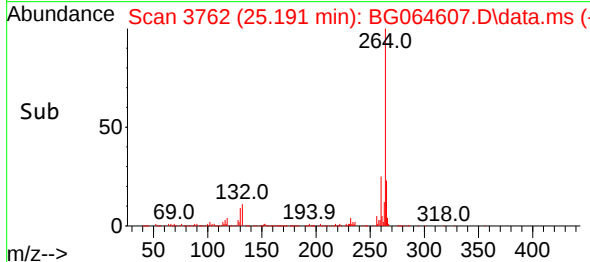
Instrument :
BNA_G
ClientSampleId :
TP-8



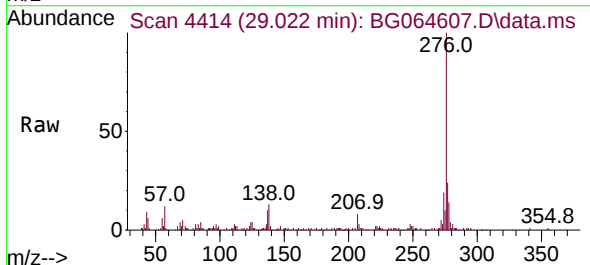
Tgt Ion:264 Resp: 316216
Ion Ratio Lower Upper
264 100
260 25.7 19.0 28.4
265 22.9 17.6 26.4

Manual Integrations
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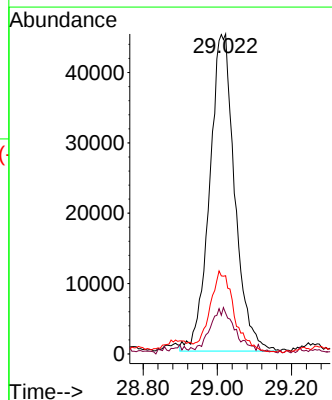
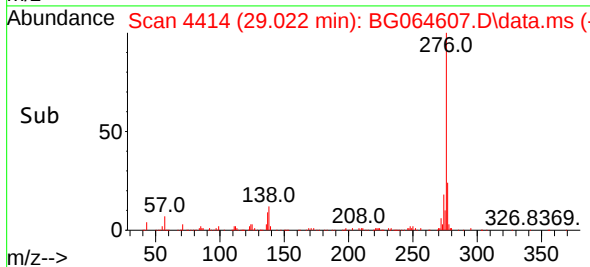
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 11/05/2025

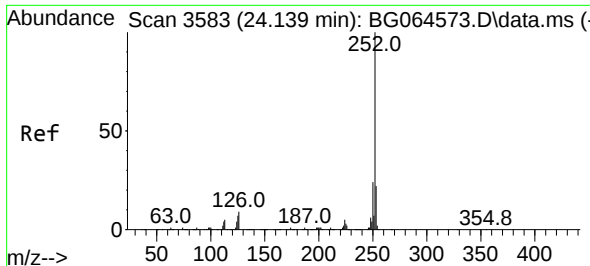


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.127 ng
RT: 29.022 min Scan# 4414
Delta R.T. -0.017 min
Lab File: BG064607.D
Acq: 28 Oct 2025 18:35



Tgt Ion:276 Resp: 212315
Ion Ratio Lower Upper
276 100
138 6.0 10.8 16.2#
277 24.1 20.1 30.1





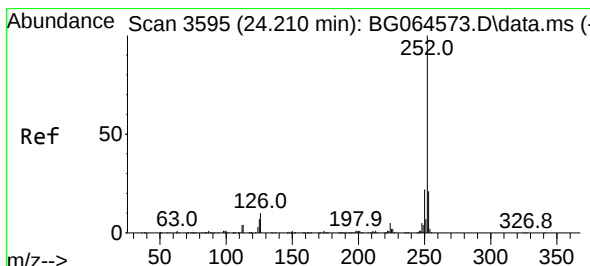
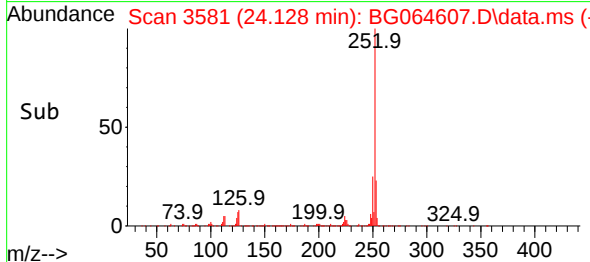
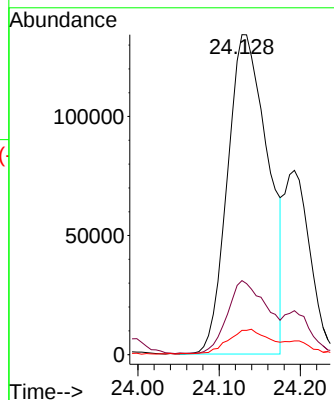
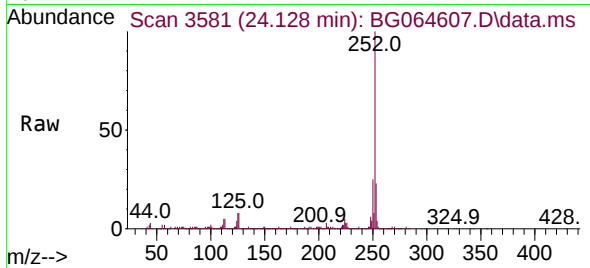
#88
Benzo(b)fluoranthene
Concen: 23.993 ng
RT: 24.128 min Scan# 3581
Delta R.T. -0.012 min
Lab File: BG064607.D
Acq: 28 Oct 2025 18:35

Instrument :
BNA_G
ClientSampleId :
TP-8

Tgt Ion:252 Resp: 465232
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 7.6 5.6 8.4

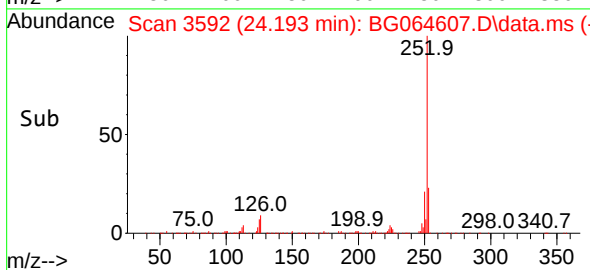
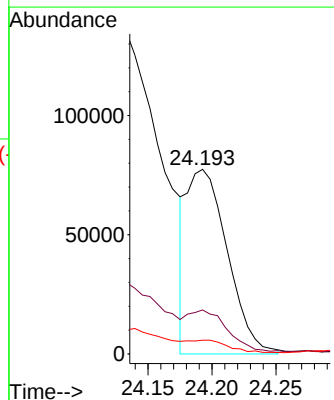
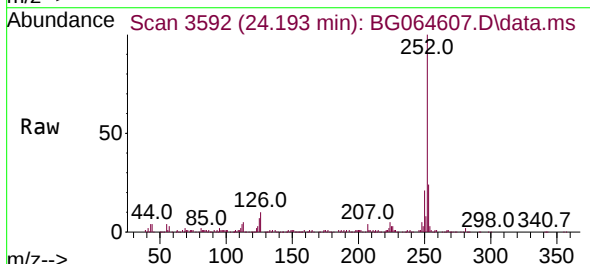
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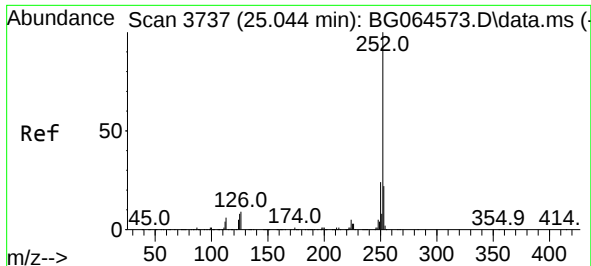
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 11/05/2025



#89
Benzo(k)fluoranthene
Concen: 8.760 ng m
RT: 24.193 min Scan# 3592
Delta R.T. -0.017 min
Lab File: BG064607.D
Acq: 28 Oct 2025 18:35

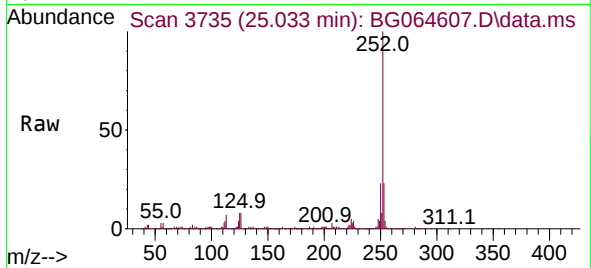
Tgt Ion:252 Resp: 169973
Ion Ratio Lower Upper
252 100
253 23.8 16.8 25.2
125 7.4 5.4 8.0





#90
Benzo(a)pyrene
Concen: 18.736 ng
RT: 25.033 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG064607.D
Acq: 28 Oct 2025 18:35

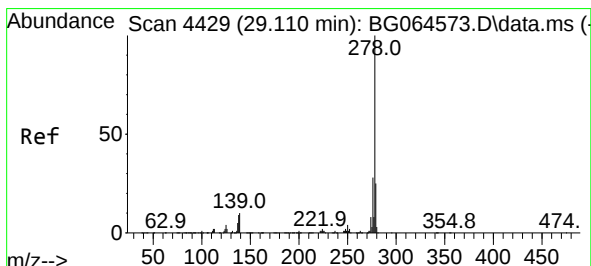
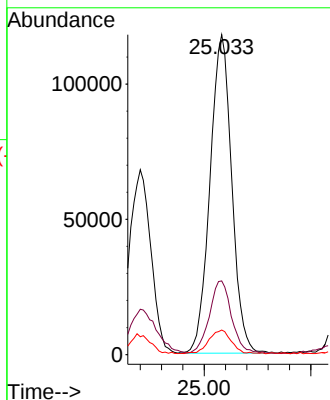
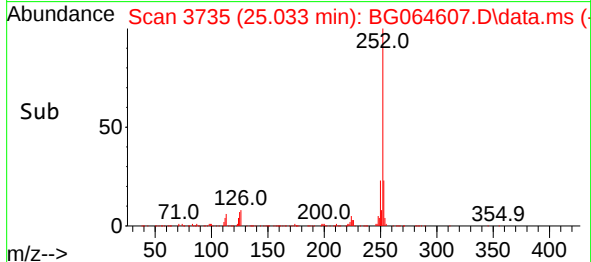
Instrument :
BNA_G
ClientSampleId :
TP-8



Tgt Ion:252 Resp: 333940
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 7.7 6.1 9.1

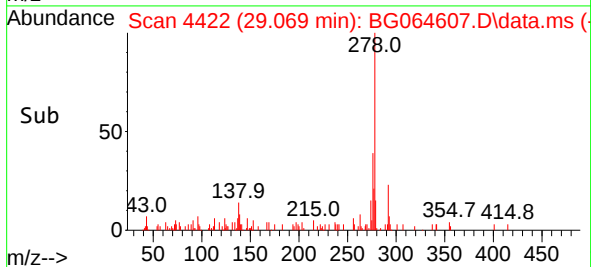
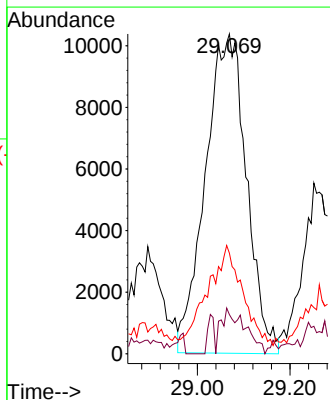
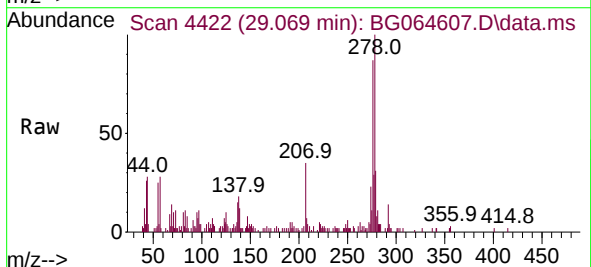
Manual Integrations
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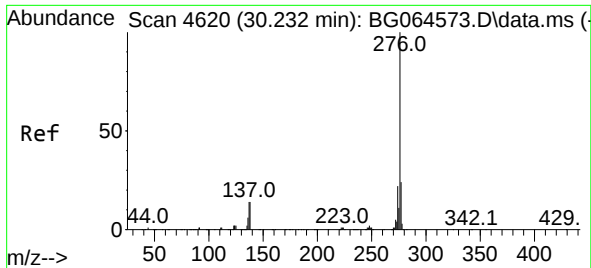
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 11/05/2025



#91
Dibenzo(a,h)anthracene
Concen: 3.373 ng m
RT: 29.069 min Scan# 4422
Delta R.T. -0.041 min
Lab File: BG064607.D
Acq: 28 Oct 2025 18:35

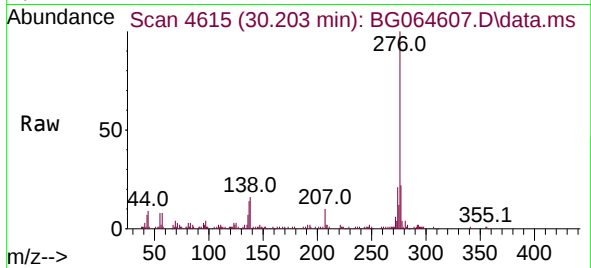
Tgt Ion:278 Resp: 63747
Ion Ratio Lower Upper
278 100
139 12.3 8.0 12.0#
279 31.5 19.8 29.6#





#92
Benzo(g,h,i)perylene
Concen: 9.883 ng
RT: 30.203 min Scan# 4615
Delta R.T. -0.029 min
Lab File: BG064607.D
Acq: 28 Oct 2025 18:35

Instrument :
BNA_G
ClientSampleId :
TP-8



Tgt Ion:276 Resp: 178422
Ion Ratio Lower Upper
276 100
277 21.9 19.1 28.7
138 15.5 11.3 16.9

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 11/05/2025

