

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102025\
 Data File : BG064554.D
 Acq On : 20 Oct 2025 18:05
 Operator : RC/JU
 Sample : Q3392-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-19

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/21/2025
 Supervised By :Jagrut Upadhyay 10/21/2025

Quant Time: Oct 20 19:01:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.823	152	14720	20.000	ng	0.00
21) Naphthalene-d8	10.608	136	60088	20.000	ng	# 0.00
39) Acenaphthene-d10	14.445	164	42825	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	100458	20.000	ng	0.00
76) Chrysene-d12	21.413	240	108172	20.000	ng	0.00
86) Perylene-d12	24.404	264	124033	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.420	112	82703	103.979	ng	0.01
7) Phenol-d6	7.001	99	105862	99.042	ng	0.01
23) Nitrobenzene-d5	8.975	82	73277	65.572	ng	0.00
42) 2,4,6-Tribromophenol	15.937	330	78648	101.316	ng	0.00
45) 2-Fluorobiphenyl	13.070	172	177787	61.193	ng	0.00
79) Terphenyl-d14	19.809	244	355874	62.261	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.230	178	27304	5.197	ng	95
75) Fluoranthene	19.239	202	52553	8.373	ng	96
78) Pyrene	19.604	202	67218	9.575	ng	100
81) Benzo(a)anthracene	21.396	228	33564	4.860	ng	# 95
83) Chrysene	21.460	228	33482m	5.112	ng	
87) Indeno(1,2,3-cd)pyrene	27.765	276	19708	2.283	ng	# 80
88) Benzo(b)fluoranthene	23.458	252	39512	5.600	ng	# 93
90) Benzo(a)pyrene	24.263	252	31330	4.818	ng	# 89
92) Benzo(g,h,i)perylene	28.811	276	21666m	3.229	ng	

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

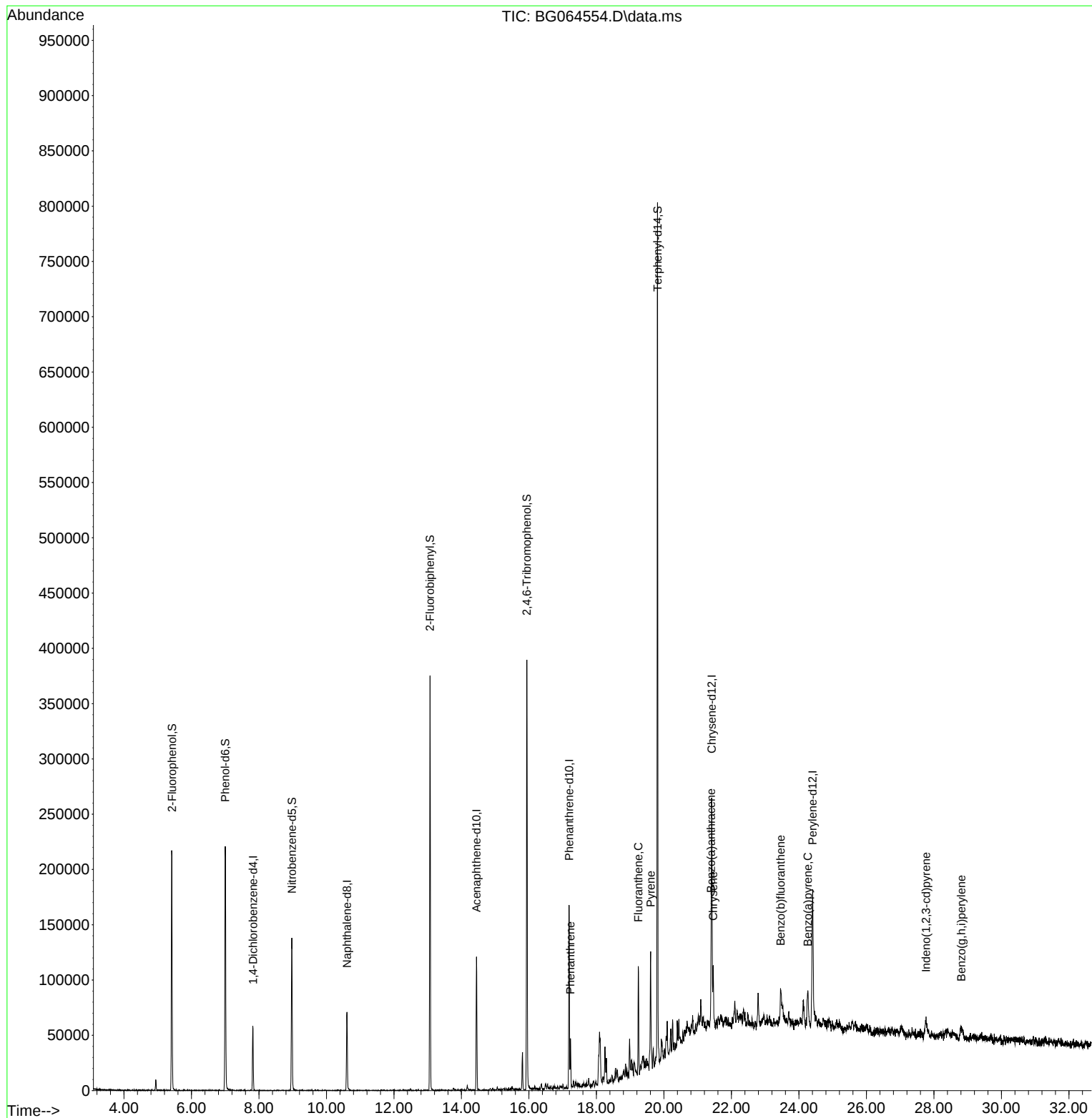
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102025\
Data File : BG064554.D
Acq On : 20 Oct 2025 18:05
Operator : RC/JU
Sample : Q3392-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

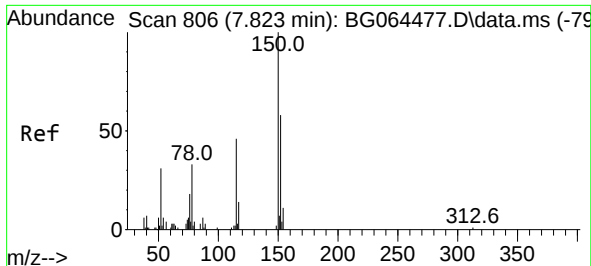
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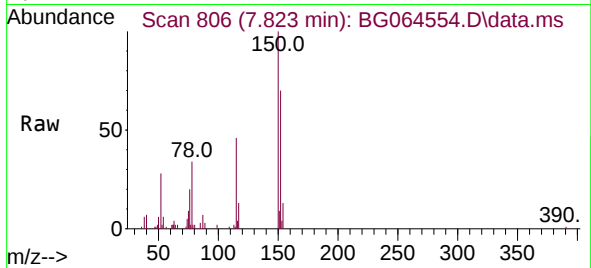
Quant Time: Oct 20 19:01:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.823 min Scan# 806
Delta R.T. 0.003 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

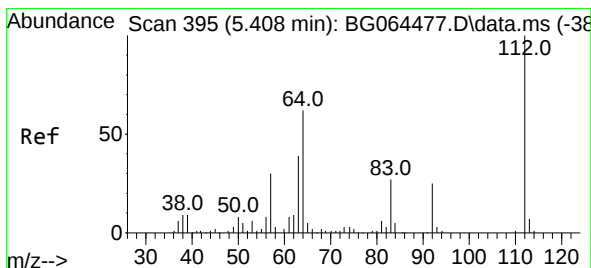
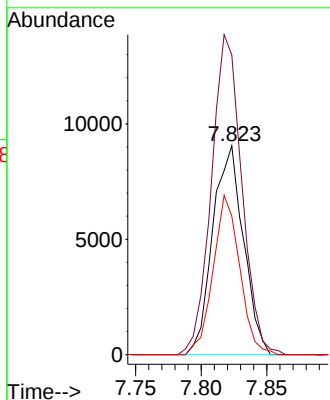
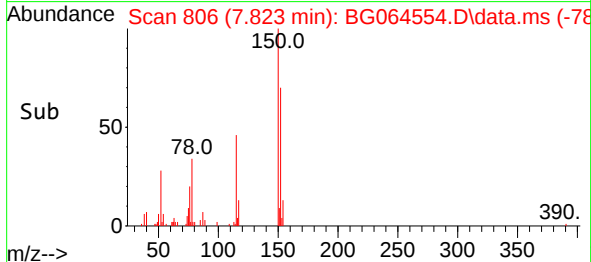
Instrument :
BNA_G
ClientSampleId :
MH-19



Tgt Ion:152 Resp: 14720
Ion Ratio Lower Upper
152 100
150 143.4 138.6 207.8
115 66.3 63.4 95.2

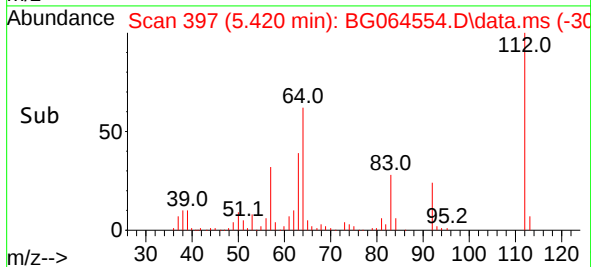
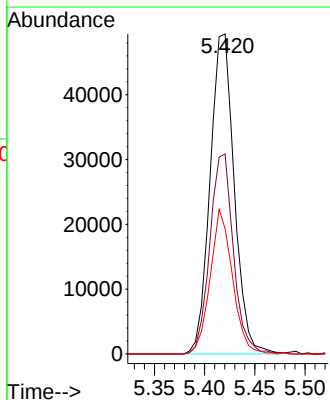
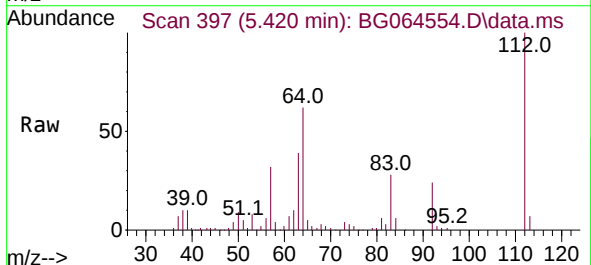
Manual Integrations
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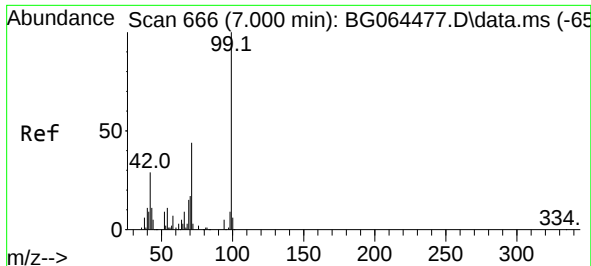
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#5
2-Fluorophenol
Concen: 103.979 ng
RT: 5.420 min Scan# 397
Delta R.T. 0.015 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

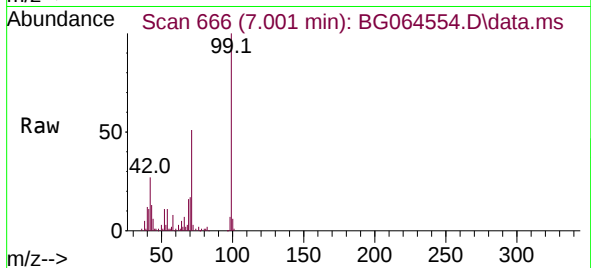
Tgt Ion:112 Resp: 82703
Ion Ratio Lower Upper
112 100
64 62.5 49.8 74.8
63 39.1 31.3 46.9





#7
Phenol-d6
Concen: 99.042 ng
RT: 7.001 min Scan# 60
Delta R.T. 0.015 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

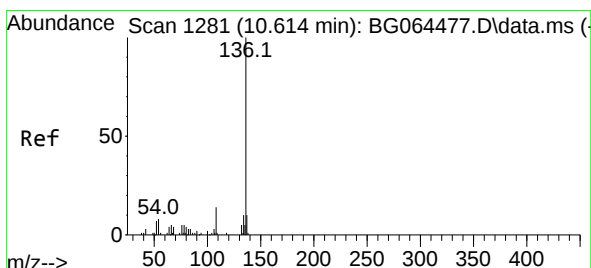
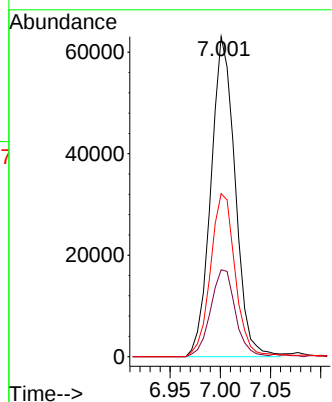
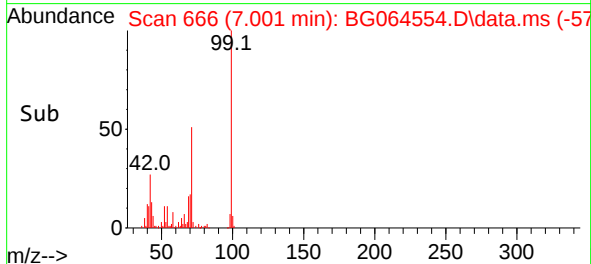
Instrument :
BNA_G
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MH-19



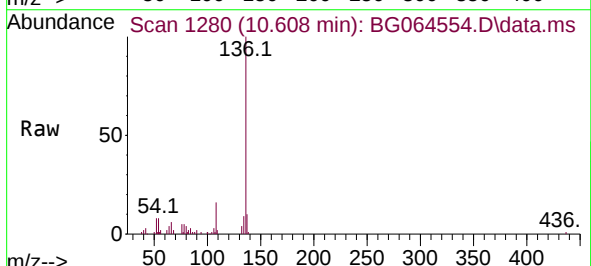
Tgt Ion: 99 Resp: 105862
Ion Ratio Lower Upper
99 100
42 27.1 22.9 34.3
71 51.0 35.4 53.2

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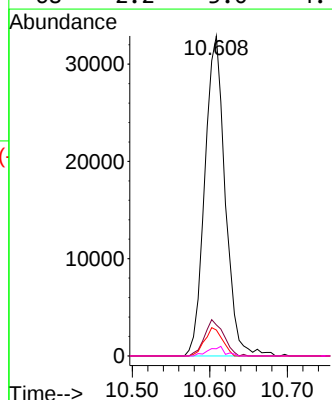
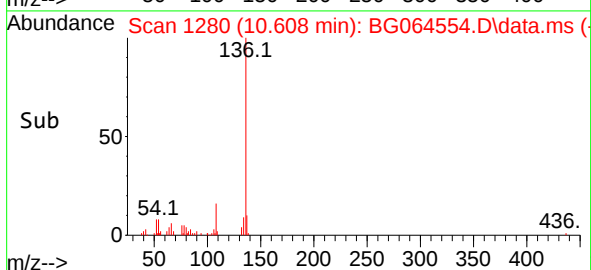
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

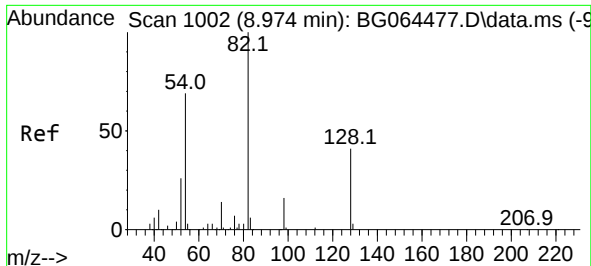


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.608 min Scan# 1280
Delta R.T. 0.003 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05



Tgt Ion:136 Resp: 60088
Ion Ratio Lower Upper
136 100
137 9.7 8.3 12.5
54 8.1 6.2 9.4
68 2.2 3.0 4.4#





#23

Nitrobenzene-d5

Concen: 65.572 ng

RT: 8.975 min Scan# 1002

Delta R.T. 0.009 min

Lab File: BG064554.D

Acq: 20 Oct 2025 18:05

Instrument :

BNA_G

ClientSampleId :

MH-19

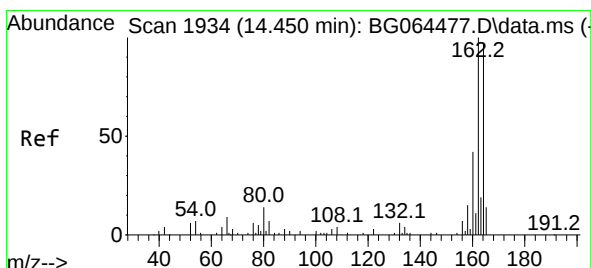
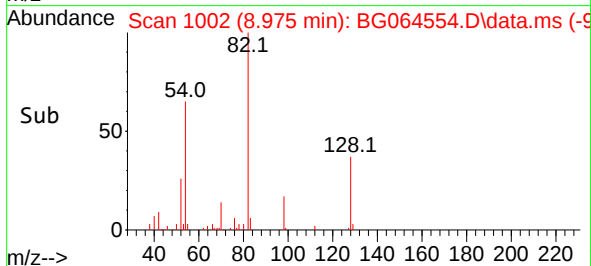
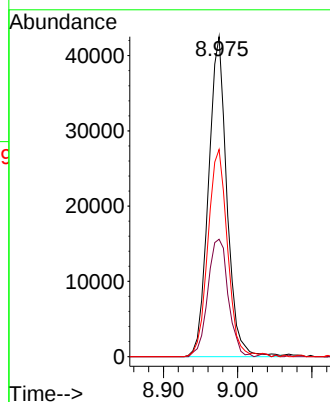
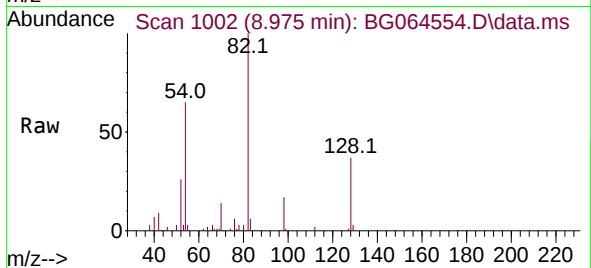
Tgt Ion:	82	Resp:	7327
Ion Ratio	Lower	Upper	
82	100		
128	36.7	33.1	49.7
54	64.7	55.4	83.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

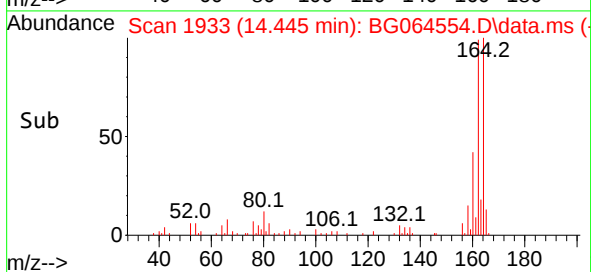
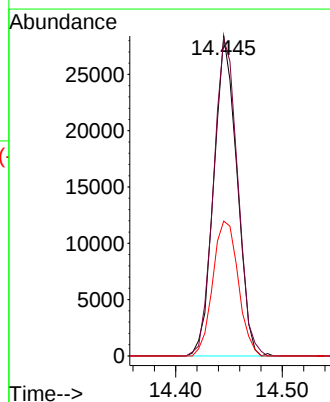
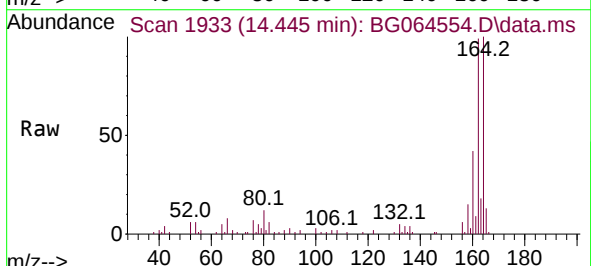
RT: 14.445 min Scan# 1933

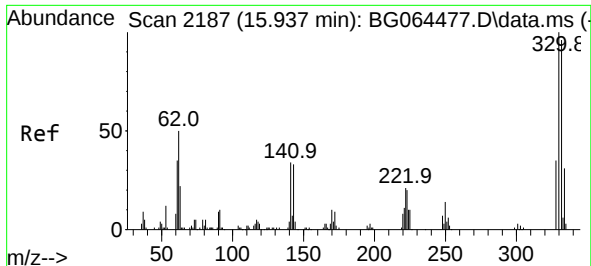
Delta R.T. -0.003 min

Lab File: BG064554.D

Acq: 20 Oct 2025 18:05

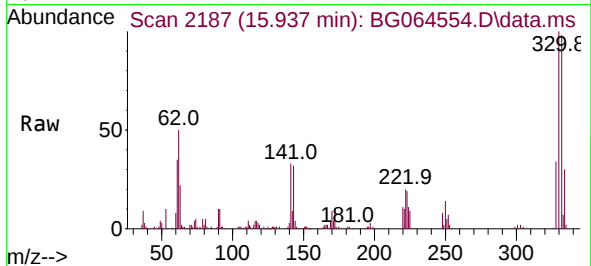
Tgt Ion:	164	Resp:	42825
Ion Ratio	Lower	Upper	
164	100		
162	99.2	82.2	123.2
160	42.1	34.3	51.5





#42
2,4,6-Tribromophenol
Concen: 101.316 ng
RT: 15.937 min Scan# 2187
Delta R.T. 0.003 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

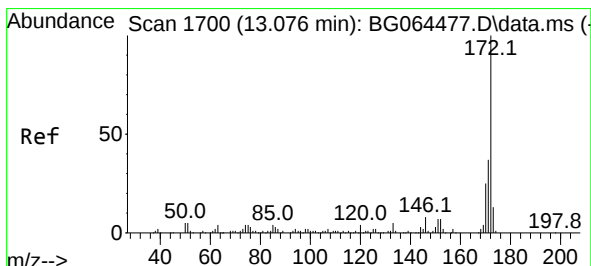
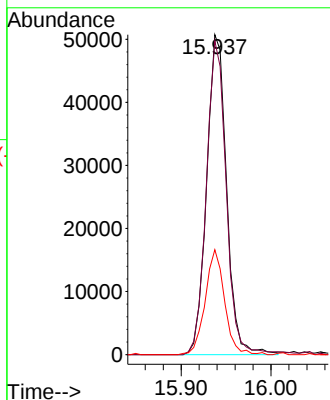
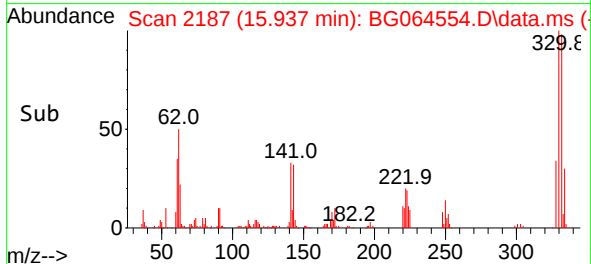
Instrument :
BNA_G
ClientSampleId :
MH-19



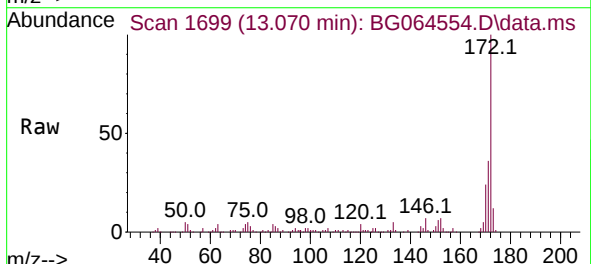
Tgt Ion: 330 Resp: 78648
Ion Ratio Lower Upper
330 100
332 98.1 77.4 116.0
141 31.8 25.8 38.6

Manual Integrations
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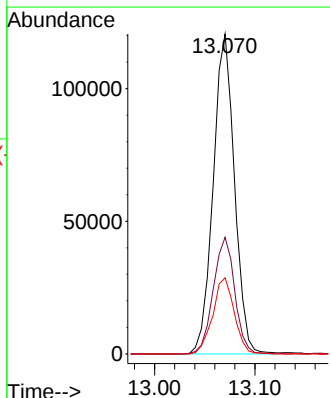
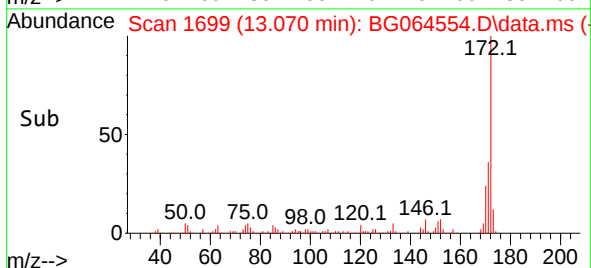
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

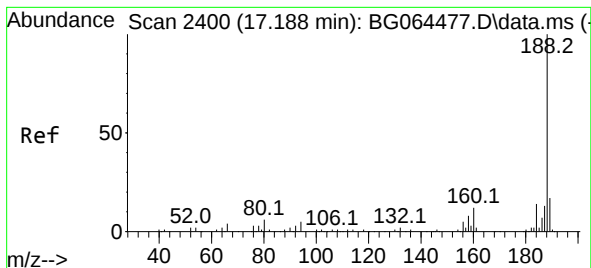


#45
2-Fluorobiphenyl
Concen: 61.193 ng
RT: 13.070 min Scan# 1699
Delta R.T. 0.003 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05



Tgt Ion: 172 Resp: 177787
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 23.8 20.2 30.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.189 min Scan# 2400

Delta R.T. 0.003 min

Lab File: BG064554.D

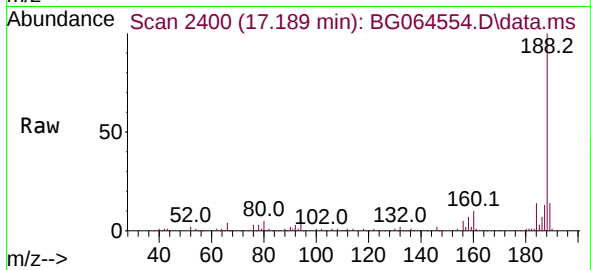
Acq: 20 Oct 2025 18:05

Instrument :

BNA_G

ClientSampleId :

MH-19



Tgt Ion:188 Resp: 100458

Ion Ratio Lower Upper

188 100

94 4.2 3.7 5.5

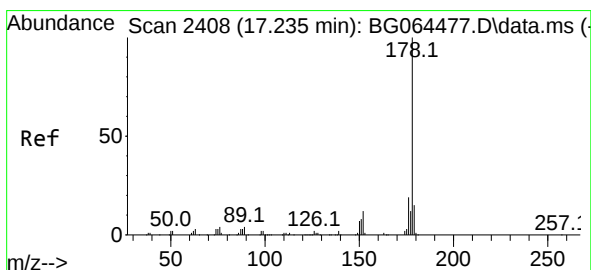
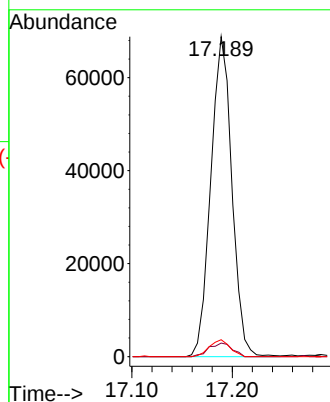
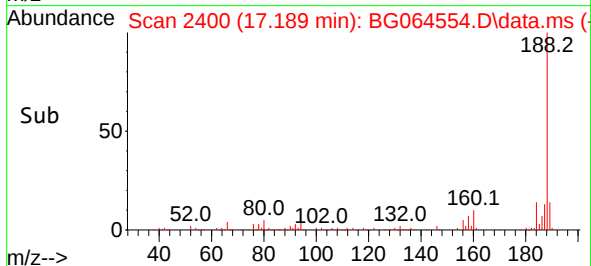
80 5.3 4.5 6.7

Manual Integrations

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Reviewed By :Rahul Chavli 10/21/2025

Supervised By :Jagrut Upadhyay 10/21/2025



#71

Phenanthrene

Concen: 5.197 ng

RT: 17.230 min Scan# 2407

Delta R.T. 0.003 min

Lab File: BG064554.D

Acq: 20 Oct 2025 18:05

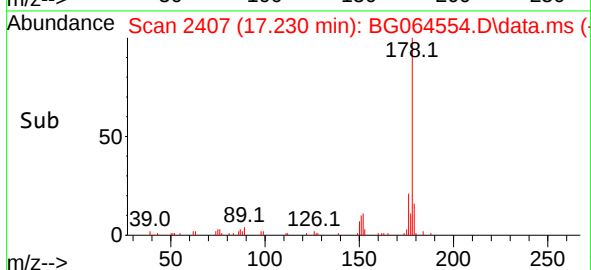
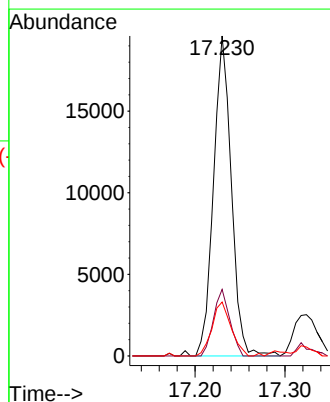
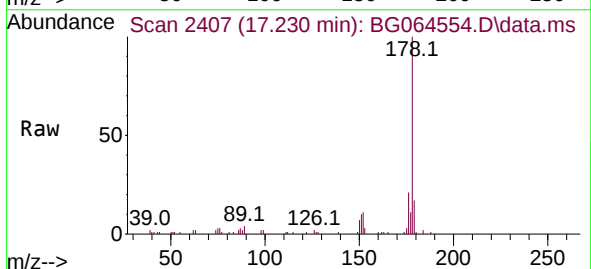
Tgt Ion:178 Resp: 27304

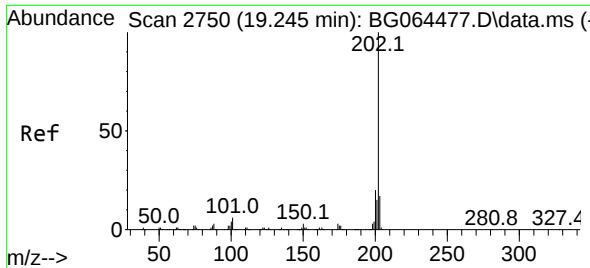
Ion Ratio Lower Upper

178 100

176 20.8 15.2 22.8

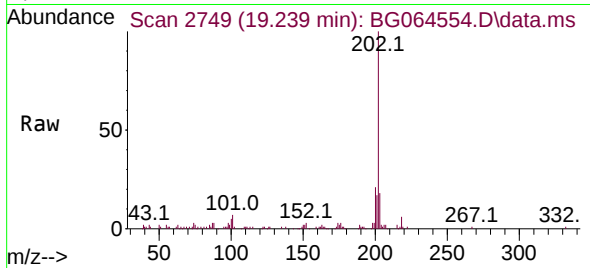
179 16.8 11.8 17.6





#75
Fluoranthene
Concen: 8.373 ng
RT: 19.239 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

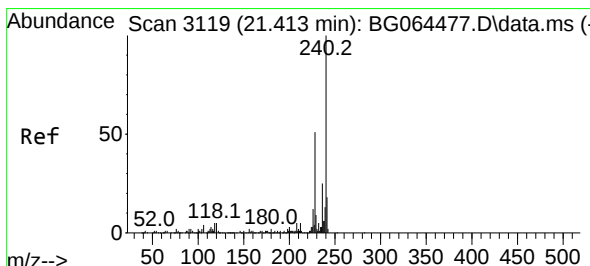
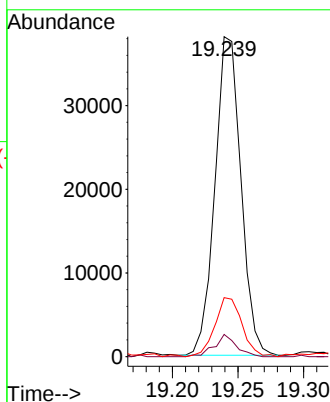
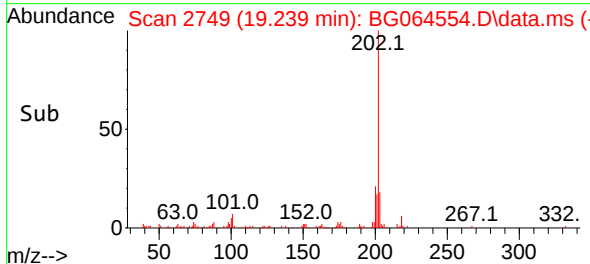
Instrument :
BNA_G
ClientSampleId :
MH-19



Tgt Ion:202 Resp: 52553
Ion Ratio Lower Upper
202 100
101 6.9 0.0 25.7
203 18.4 0.0 36.6

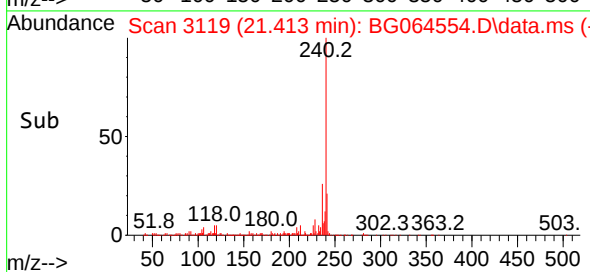
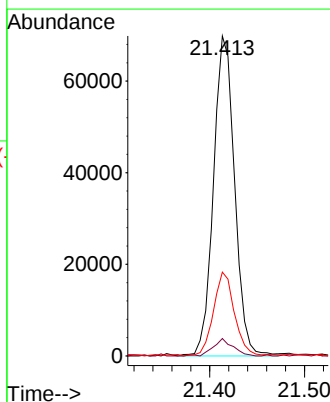
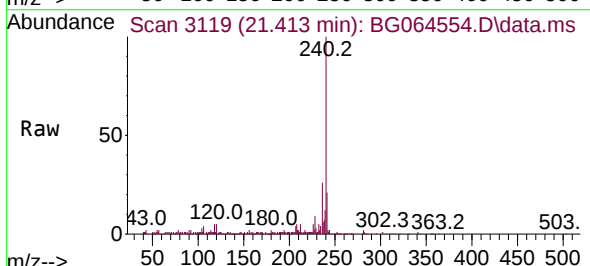
Manual Integrations
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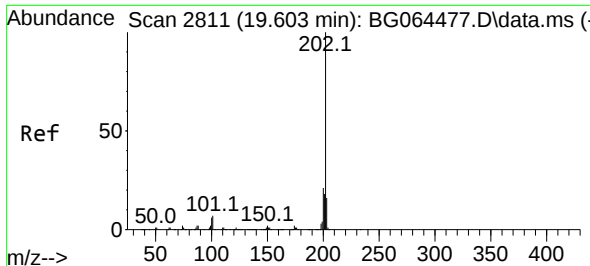
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.413 min Scan# 3119
Delta R.T. 0.003 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

Tgt Ion:240 Resp: 108172
Ion Ratio Lower Upper
240 100
120 5.4 4.3 6.5
236 26.2 20.4 30.6





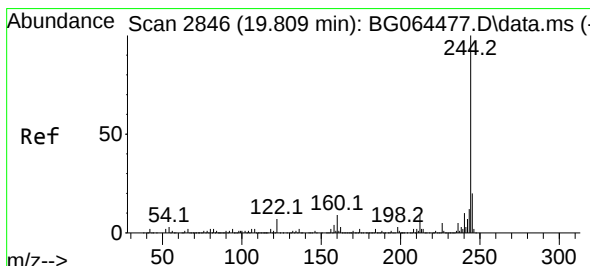
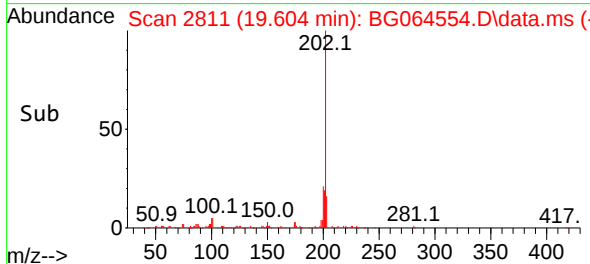
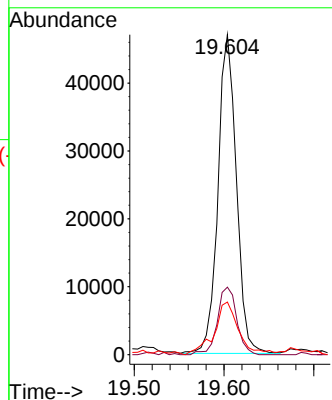
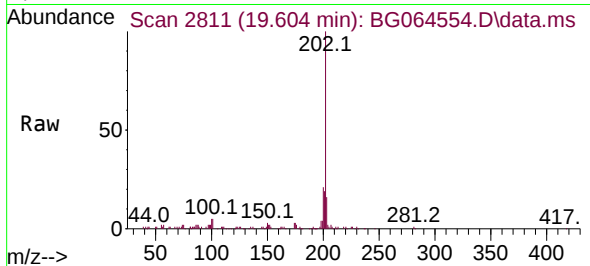
#78
Pyrene
Concen: 9.575 ng
RT: 19.604 min Scan# 2811
Delta R.T. 0.003 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

Instrument :
BNA_G
ClientSampleId :
MH-19

Tgt Ion:202 Resp: 67218
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 16.5 13.0 19.4

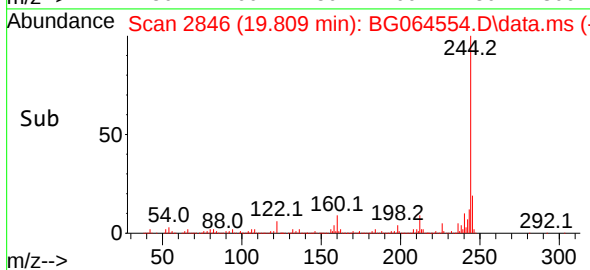
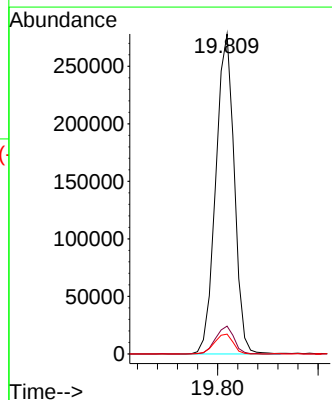
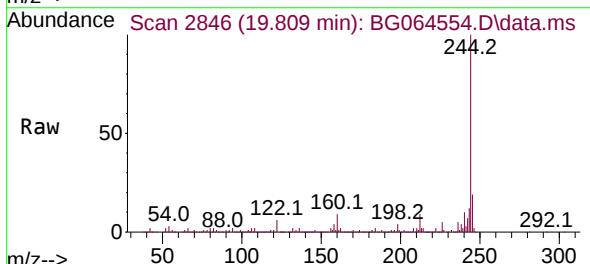
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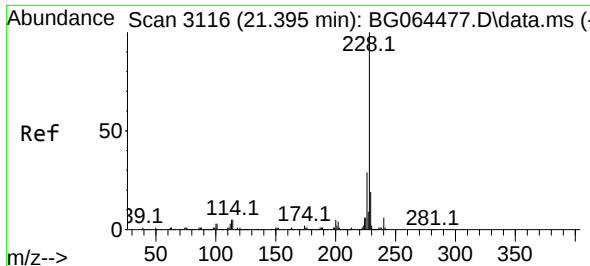
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#79
Terphenyl-d14
Concen: 62.261 ng
RT: 19.809 min Scan# 2846
Delta R.T. 0.003 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

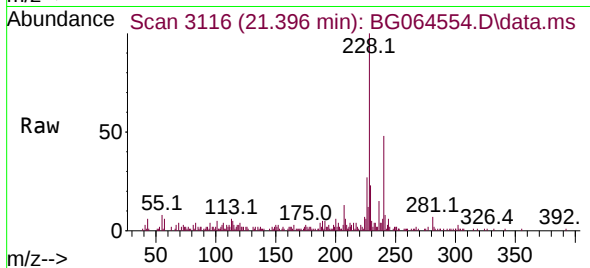
Tgt Ion:244 Resp: 355874
Ion Ratio Lower Upper
244 100
212 8.7 7.0 10.6
122 6.2 5.6 8.4





#81
Benzo(a)anthracene
Concen: 4.860 ng
RT: 21.396 min Scan# 3116
Delta R.T. 0.003 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

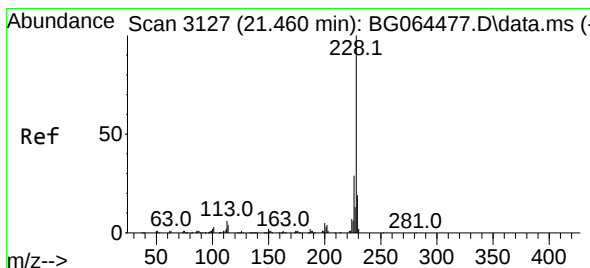
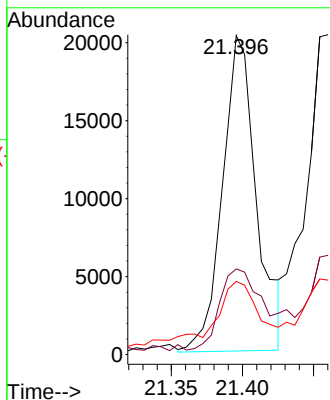
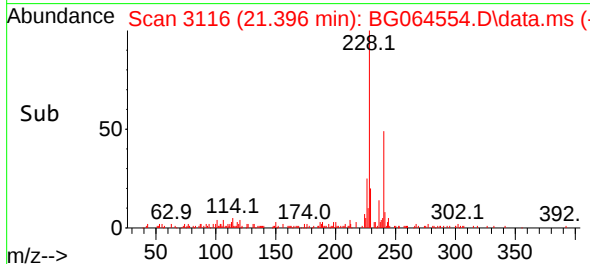
Instrument :
BNA_G
ClientSampleId :
MH-19



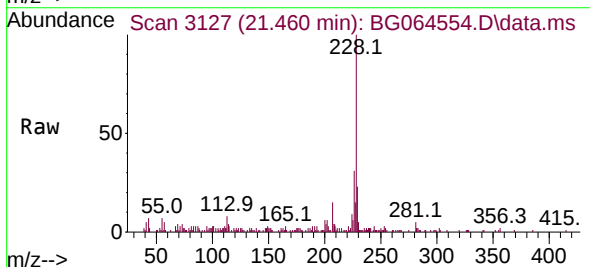
Tgt Ion:228 Resp: 33564
Ion Ratio Lower Upper
228 100
226 26.9 22.8 34.2
229 22.9 15.2 22.8

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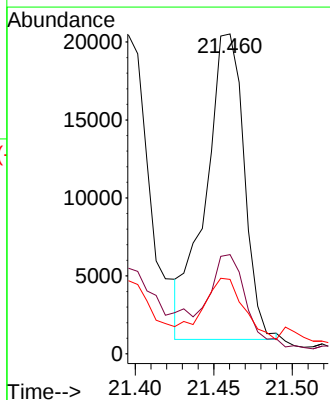
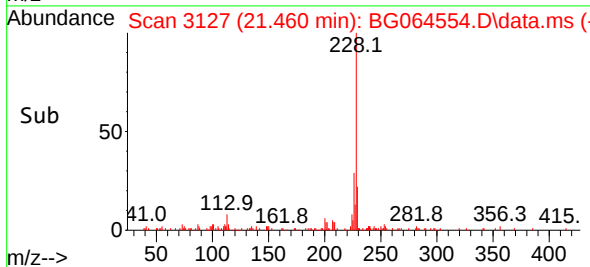
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

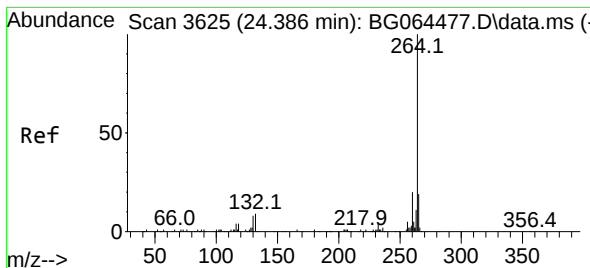


#83
Chrysene
Concen: 5.112 ng m
RT: 21.460 min Scan# 3127
Delta R.T. 0.009 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05



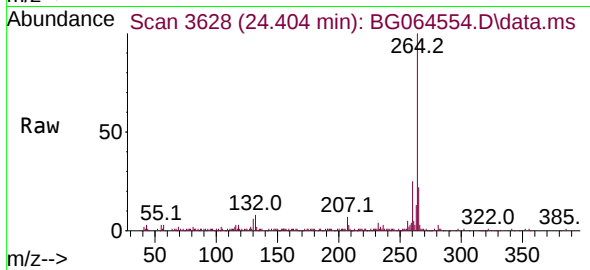
Tgt Ion:228 Resp: 33482
Ion Ratio Lower Upper
228 100
226 31.0 22.8 34.2
229 23.3 15.4 23.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.404 min Scan# 30
Delta R.T. 0.015 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05

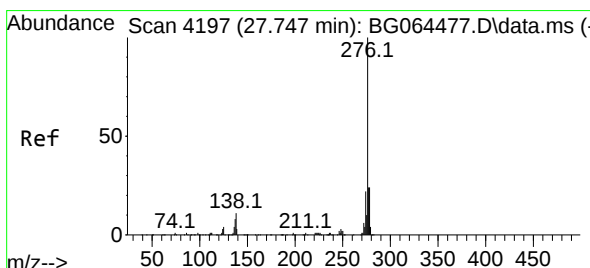
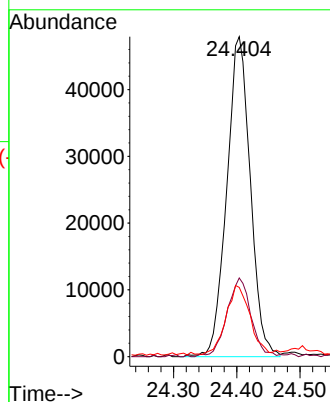
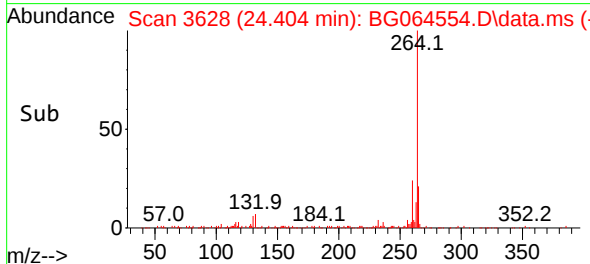
Instrument :
BNA_G
ClientSampleId :
MH-19



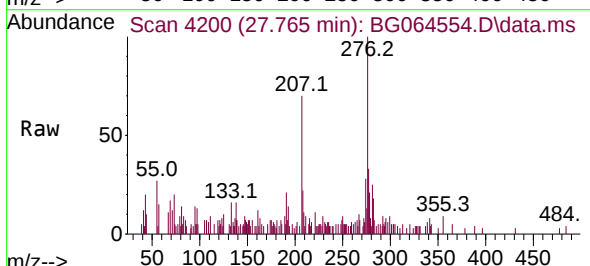
Tgt Ion:264 Resp: 124033
Ion Ratio Lower Upper
264 100
260 24.6 16.2 24.4#
265 21.6 15.0 22.4#

Manual Integrations
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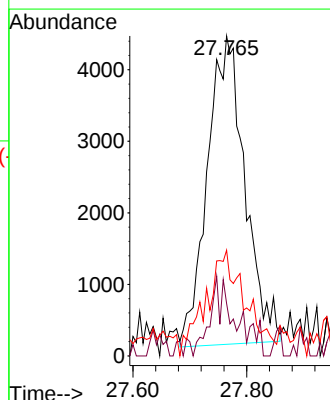
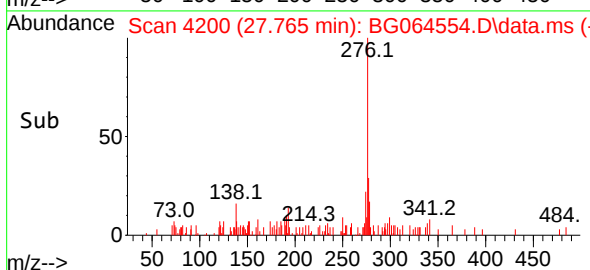
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

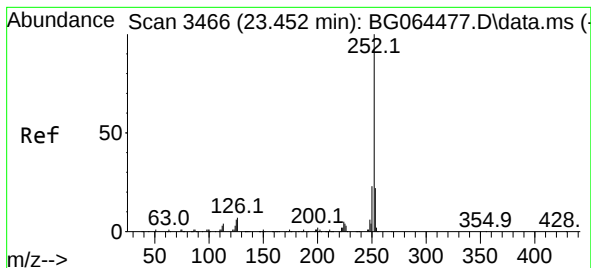


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.283 ng
RT: 27.765 min Scan# 4200
Delta R.T. 0.032 min
Lab File: BG064554.D
Acq: 20 Oct 2025 18:05



Tgt Ion:276 Resp: 19708
Ion Ratio Lower Upper
276 100
138 6.9 10.8 16.2#
277 36.3 20.3 30.5#





#88

Benzo(b)fluoranthene

Concen: 5.600 ng

RT: 23.458 min Scan# 3466

Delta R.T. 0.009 min

Lab File: BG064554.D

Acq: 20 Oct 2025 18:05

Instrument :

BNA_G

ClientSampleId :

MH-19

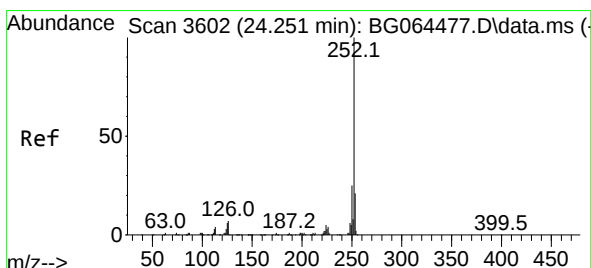
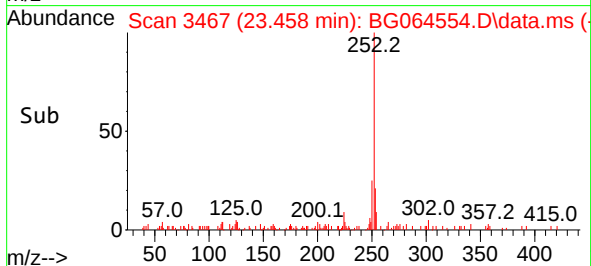
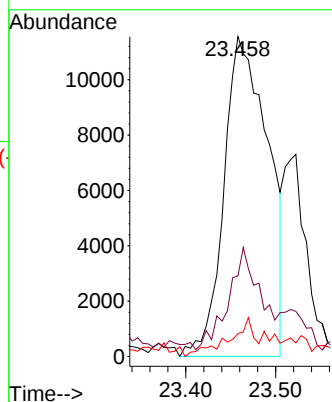
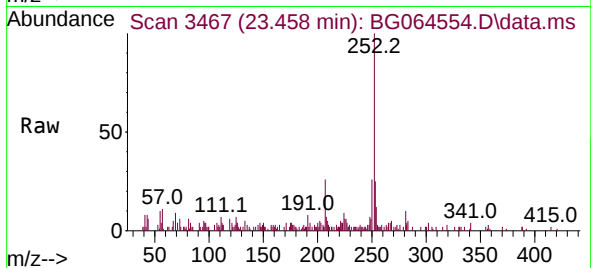
Tgt Ion:252	Resp:	39512
Ion Ratio	Lower	Upper
252	100	
253	25.2	17.5 26.3
125	7.2	4.5 6.7

Manual Integrations

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Reviewed By :Rahul Chavli 10/21/2025

Supervised By :Jagrut Upadhyay 10/21/2025



#90

Benzo(a)pyrene

Concen: 4.818 ng

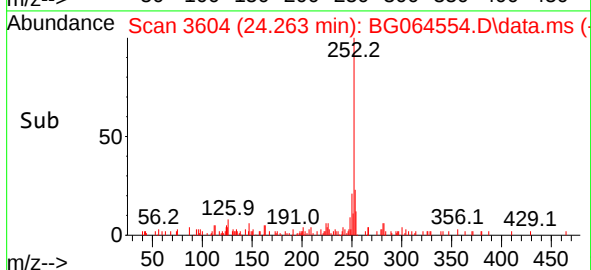
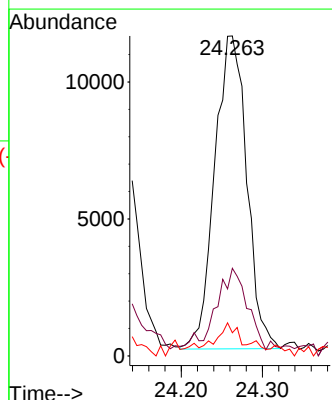
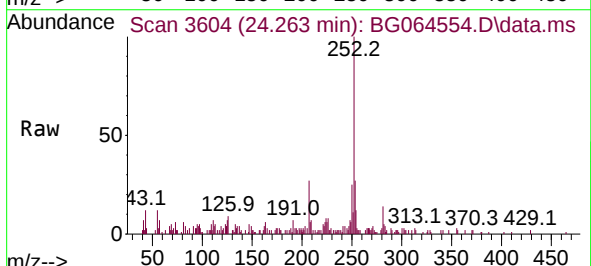
RT: 24.263 min Scan# 3604

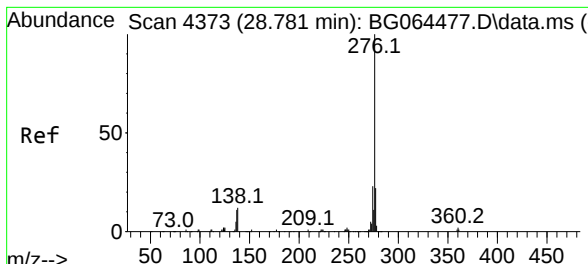
Delta R.T. 0.015 min

Lab File: BG064554.D

Acq: 20 Oct 2025 18:05

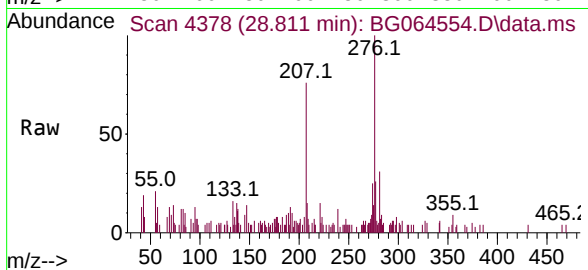
Tgt Ion:252	Resp:	31330
Ion Ratio	Lower	Upper
252	100	
253	27.4	17.1 25.7#
125	7.3	4.6 6.8#





#92
 Benzo(g,h,i)perylene
 Concen: 3.229 ng m
 RT: 28.811 min Scan# 4378
 Delta R.T. 0.044 min
 Lab File: BG064554.D
 Acq: 20 Oct 2025 18:05

Instrument :
 BNA_G
 ClientSampleId :
 MH-19



Tgt Ion:	276	Resp:	2166
Ion Ratio	Lower	Upper	
276	100		
277	26.2	17.8	26.6
138	12.1	9.4	14.0

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/21/2025
 Supervised By :Jagrut Upadhyay 10/21/2025

