

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090225\
 Data File : BG064245.D
 Acq On : 2 Sep 2025 14:43
 Operator : RC/JU
 Sample : Q2995-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT5427

Manual Integrations
 APPROVED

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

Quant Time: Sep 02 15:27:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.858	152	40131	20.000	ng	0.00
21) Naphthalene-d8	10.649	136	165460	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	115709	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	251589	20.000	ng	0.00
76) Chrysene-d12	21.454	240	244909	20.000	ng	0.00
86) Perylene-d12	24.462	264	271333	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.449	112	191449	85.589	ng	0.00
7) Phenol-d6	7.030	99	260821	84.874	ng	0.00
23) Nitrobenzene-d5	9.010	82	167353	56.408	ng	0.00
42) 2,4,6-Tribromophenol	15.966	330	127257	83.032	ng	0.00
45) 2-Fluorobiphenyl	13.105	172	414111	54.627	ng	0.00
79) Terphenyl-d14	19.844	244	687573	58.573	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.265	178	27336	2.060	ng	97
75) Fluoranthene	19.274	202	107140	6.867	ng	98
78) Pyrene	19.632	202	112641	7.300	ng	97
81) Benzo(a)anthracene	21.430	228	60249m	3.845	ng	
83) Chrysene	21.495	228	66292	4.407	ng	99
88) Benzo(b)fluoranthene	23.516	252	100618m	6.570	ng	
89) Benzo(k)fluoranthene	23.557	252	38245m	2.451	ng	
90) Benzo(a)pyrene	24.321	252	74187	5.208	ng	# 89
92) Benzo(g,h,i)perylene	28.898	276	56818	3.925	ng	95

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

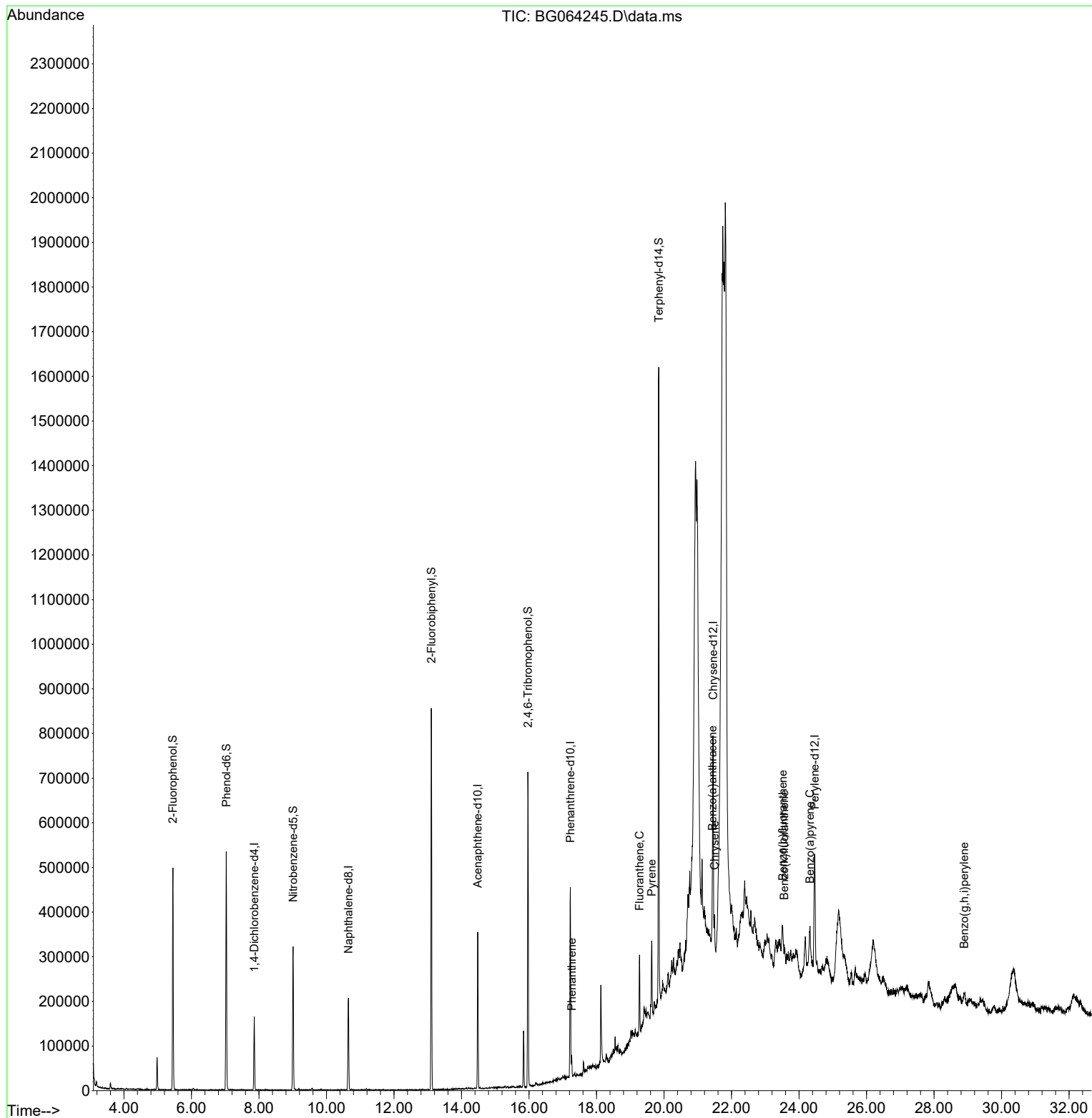
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090225\
Data File : BG064245.D
Acq On : 2 Sep 2025 14:43
Operator : RC/JU
Sample : Q2995-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

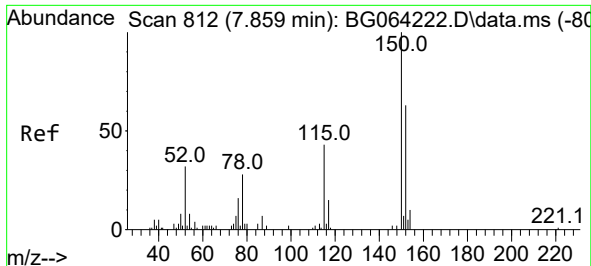
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Quant Time: Sep 02 15:27:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
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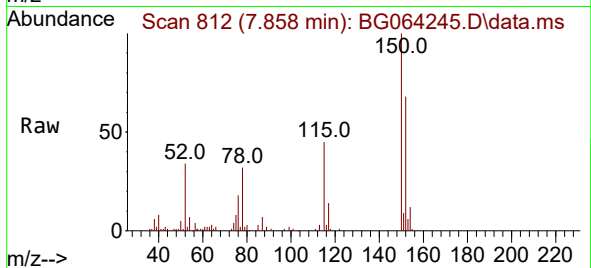
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.858 min Scan# 812
Delta R.T. -0.001 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

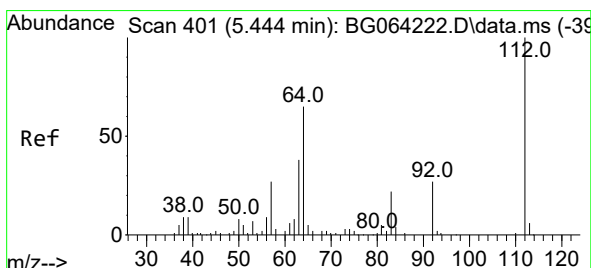
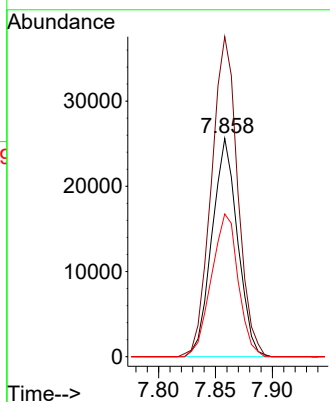
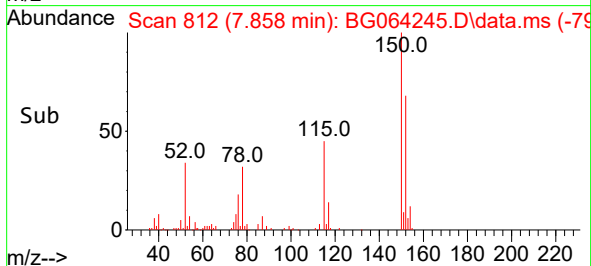
Instrument :
BNA_G
ClientSampleId :
RT5427



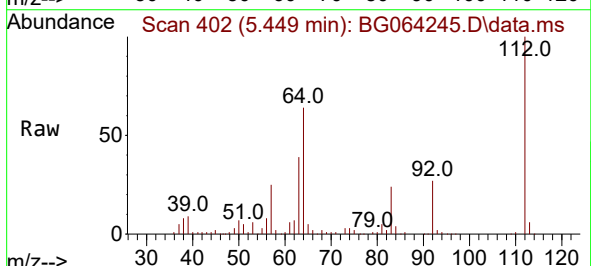
Tgt Ion:152 Resp: 4013
Ion Ratio Lower Upper
152 100
150 146.6 128.0 192.0
115 65.4 55.7 83.5

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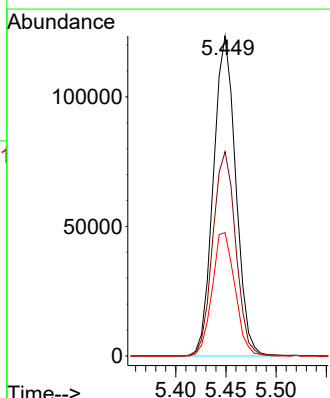
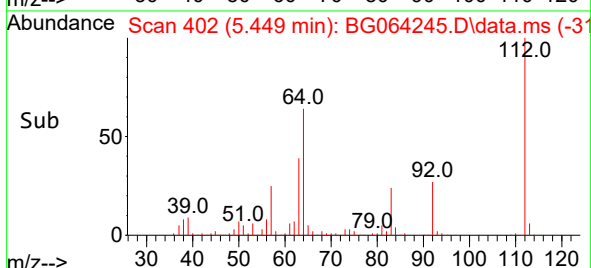
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025

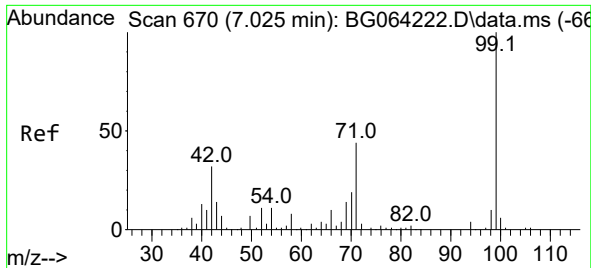


#5
2-Fluorophenol
Concen: 85.589 ng
RT: 5.449 min Scan# 402
Delta R.T. 0.005 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43



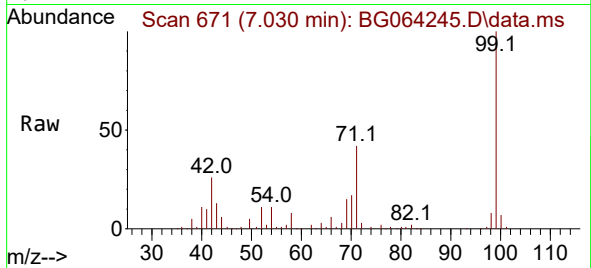
Tgt Ion:112 Resp: 191449
Ion Ratio Lower Upper
112 100
64 63.9 51.8 77.6
63 38.5 30.6 45.8





#7
Phenol-d6
Concen: 84.874 ng
RT: 7.030 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

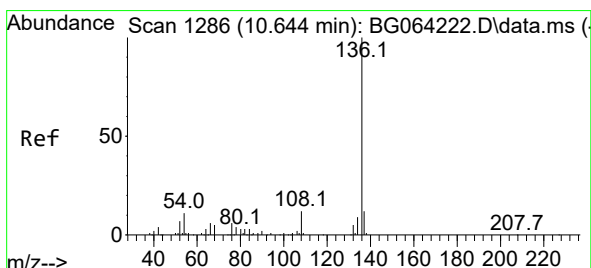
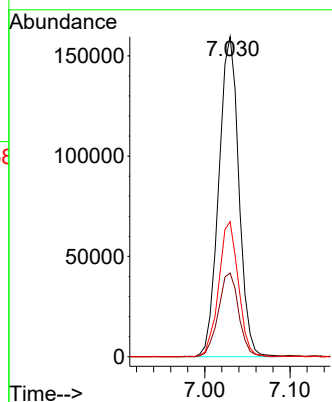
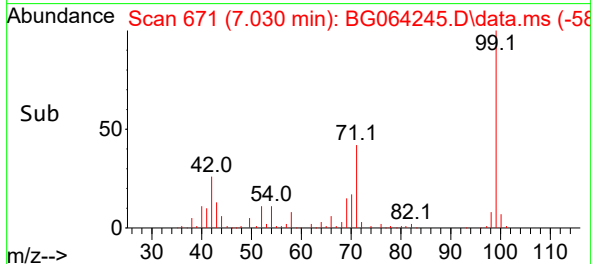
Instrument :
BNA_G
ClientSampleId :
RT5427



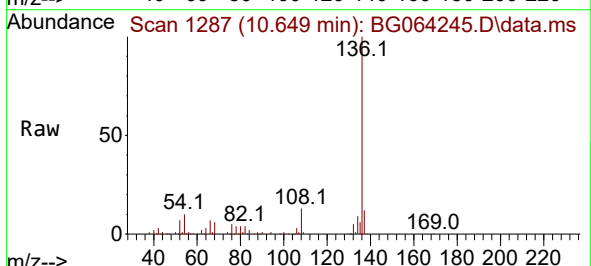
Tgt Ion: 99 Resp: 26082
Ion Ratio Lower Upper
99 100
42 26.2 25.8 38.8
71 42.2 35.2 52.8

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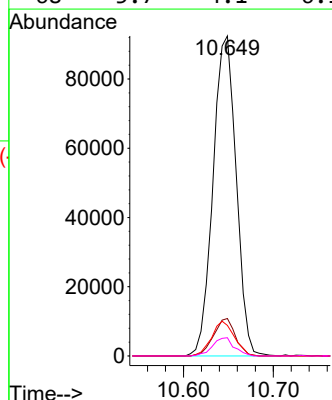
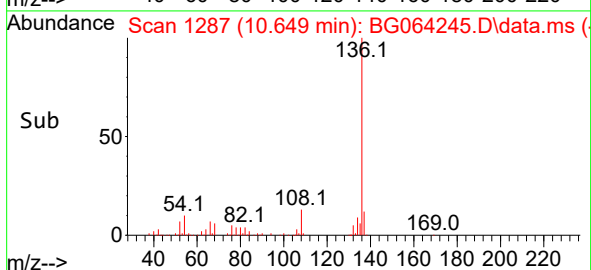
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025

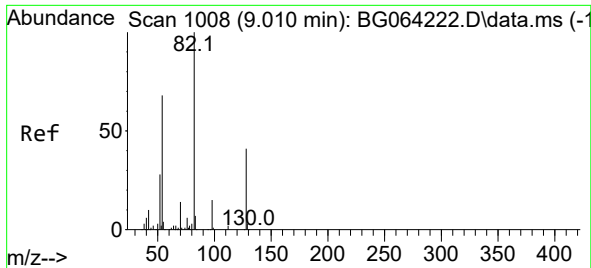


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.649 min Scan# 1287
Delta R.T. -0.001 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43



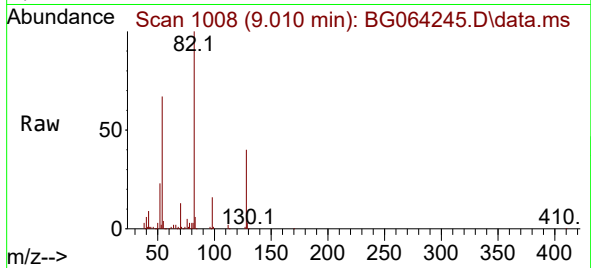
Tgt Ion:136 Resp: 165460
Ion Ratio Lower Upper
136 100
137 11.7 9.6 14.4
54 9.5 8.8 13.2
68 5.7 4.1 6.1





#23
Nitrobenzene-d5
Concen: 56.408 ng
RT: 9.010 min Scan# 1008
Delta R.T. -0.007 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

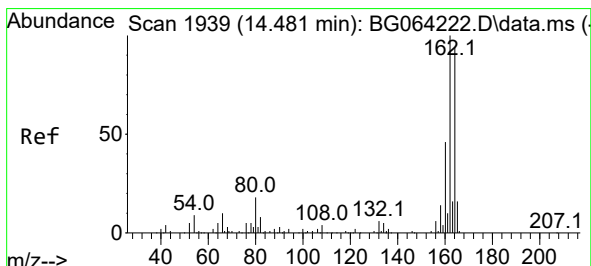
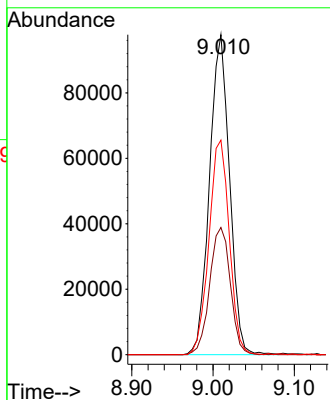
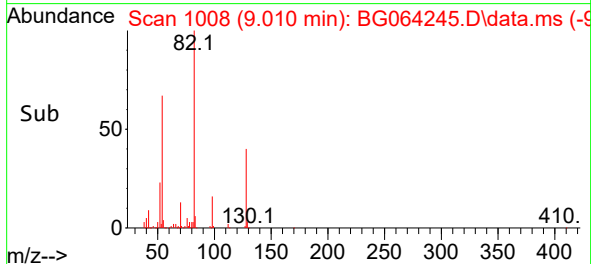
Instrument :
BNA_G
ClientSampleId :
RT5427



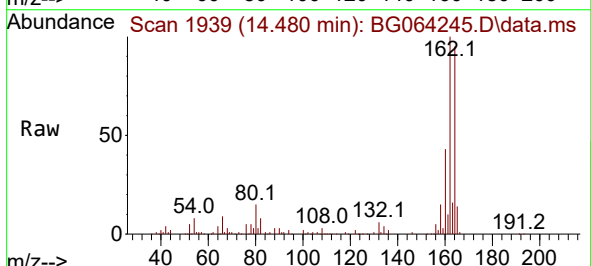
Tgt Ion: 82 Resp: 16735
Ion Ratio Lower Upper
82 100
128 39.8 32.6 48.8
54 67.0 54.7 82.1

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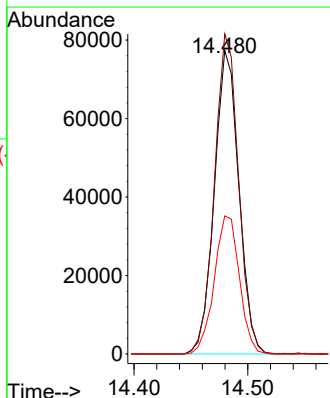
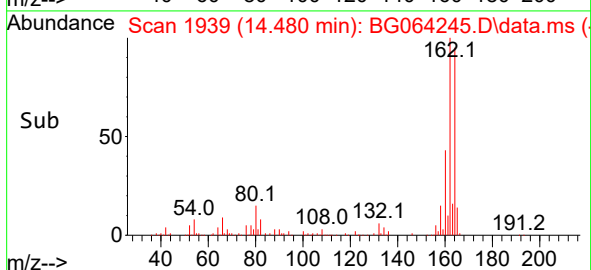
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025

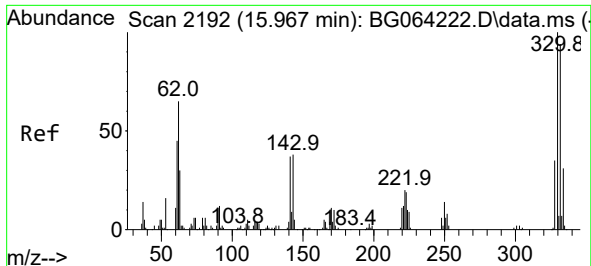


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1939
Delta R.T. -0.001 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43



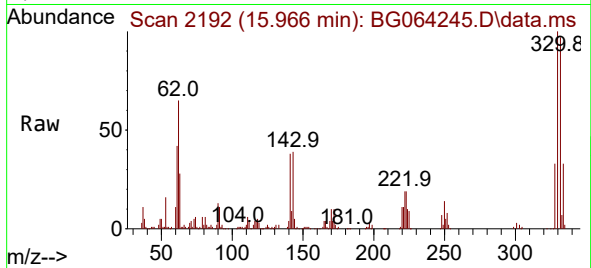
Tgt Ion:164 Resp: 115709
Ion Ratio Lower Upper
164 100
162 105.4 85.4 128.0
160 45.5 39.2 58.8





#42
2,4,6-Tribromophenol
Concen: 83.032 ng
RT: 15.966 min Scan# 2192
Delta R.T. -0.007 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

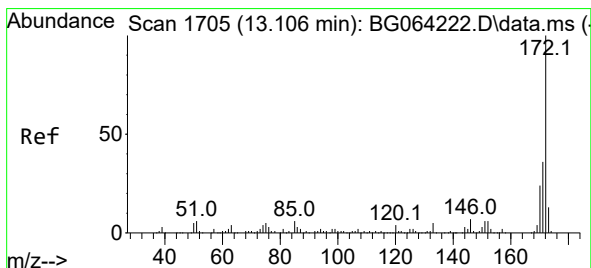
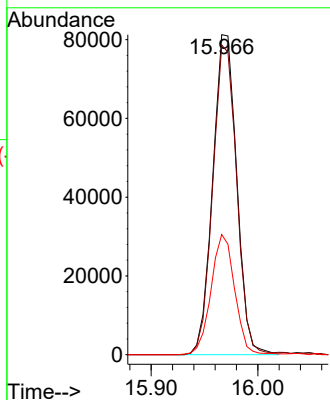
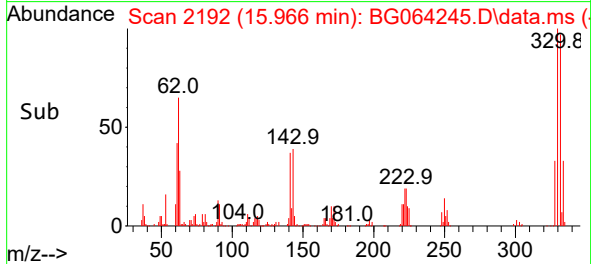
Instrument :
BNA_G
ClientSampleId :
RT5427



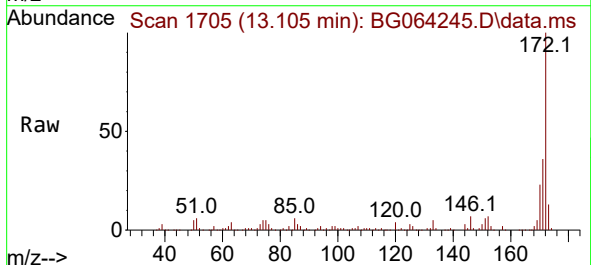
Tgt Ion:330 Resp: 12725
Ion Ratio Lower Upper
330 100
332 96.4 77.6 116.4
141 37.0 29.8 44.6

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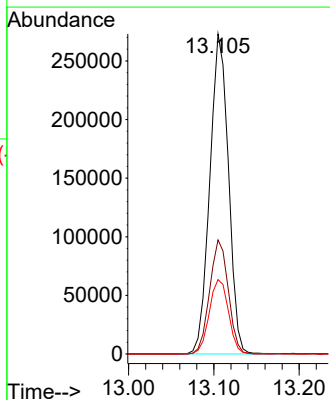
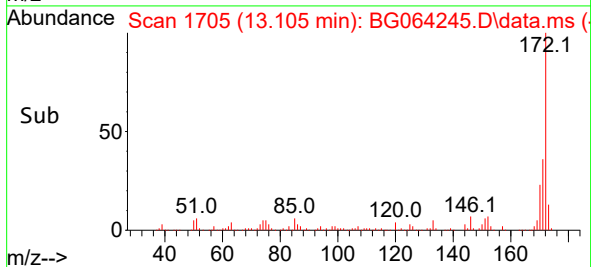
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025

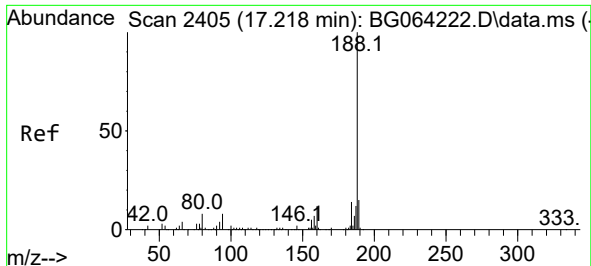


#45
2-Fluorobiphenyl
Concen: 54.627 ng
RT: 13.105 min Scan# 1705
Delta R.T. -0.007 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43



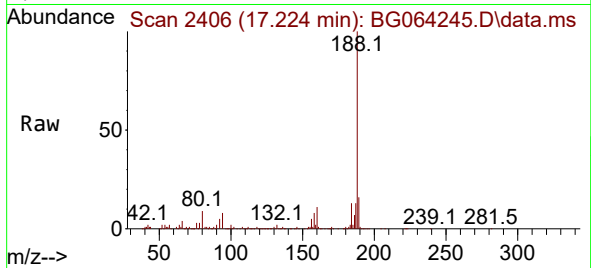
Tgt Ion:172 Resp: 414111
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 23.2 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 2406
Delta R.T. -0.001 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

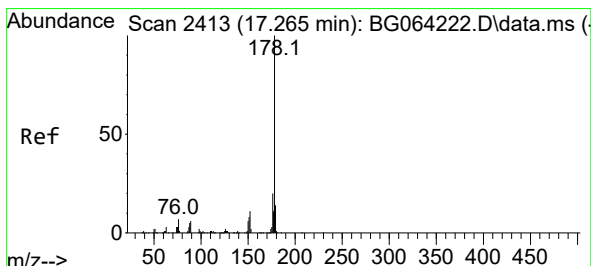
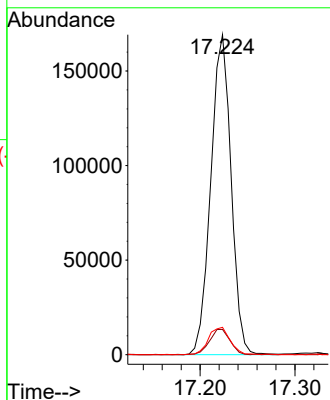
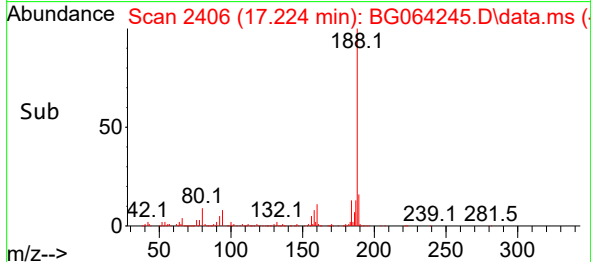
Instrument :
BNA_G
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RT5427



Tgt Ion:188 Resp: 251589
Ion Ratio Lower Upper
188 100
94 7.9 6.2 9.4
80 8.5 6.8 10.2

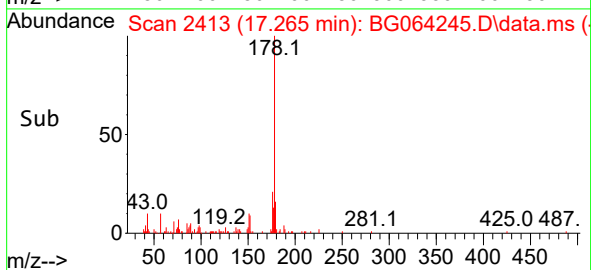
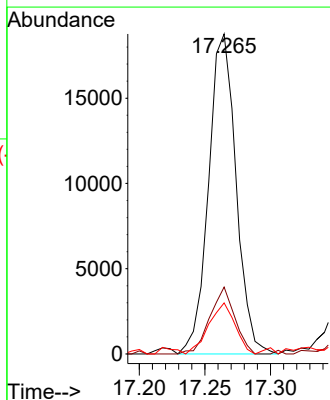
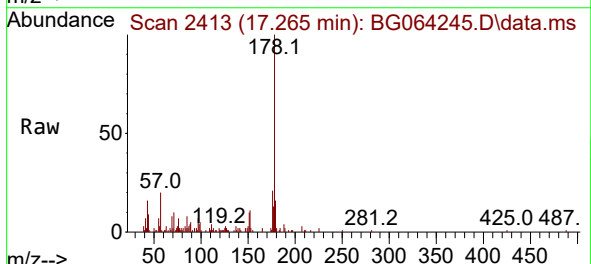
Manual Integrations
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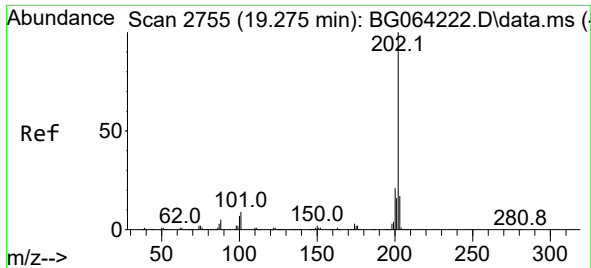
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025



#71
Phenanthrene
Concen: 2.060 ng
RT: 17.265 min Scan# 2413
Delta R.T. -0.001 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

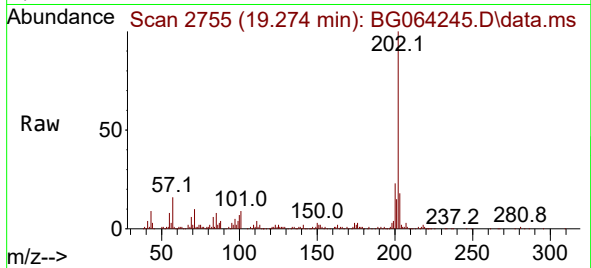
Tgt Ion:178 Resp: 27336
Ion Ratio Lower Upper
178 100
176 20.9 15.9 23.9
179 15.9 11.4 17.2





#75
Fluoranthene
Concen: 6.867 ng
RT: 19.274 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

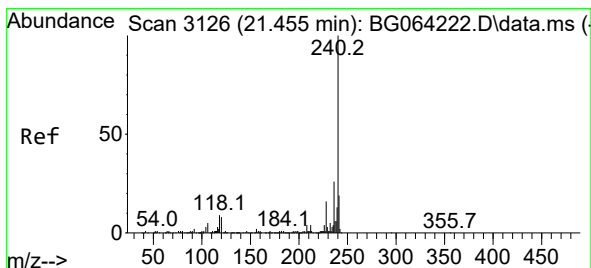
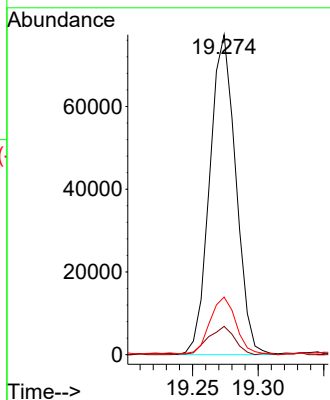
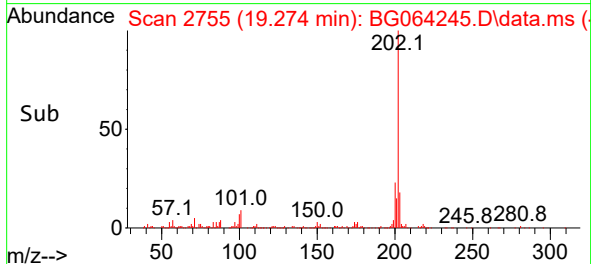
Instrument :
BNA_G
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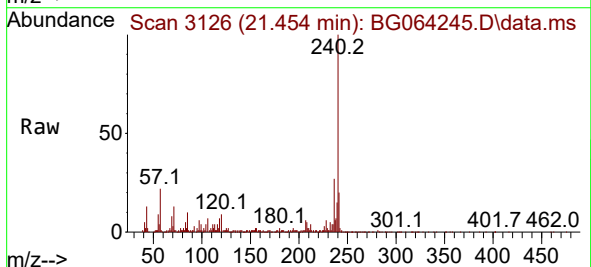
Tgt Ion:202 Resp: 107140
Ion Ratio Lower Upper
202 100
101 8.8 0.0 28.7
203 18.0 0.0 36.9

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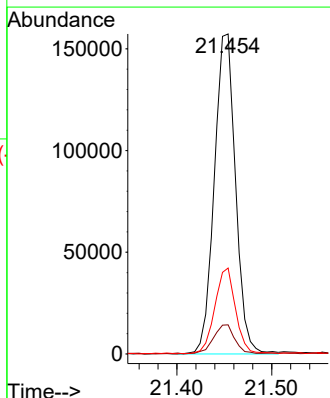
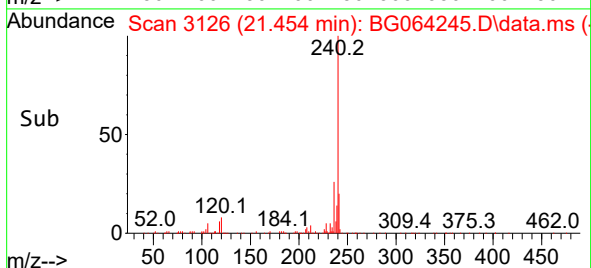
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025

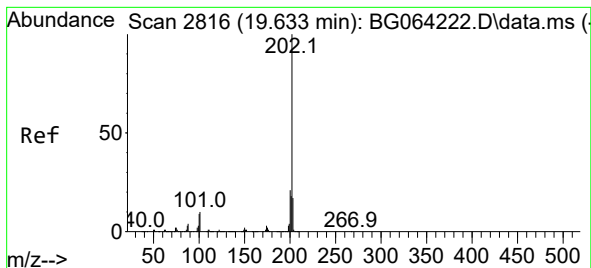


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.454 min Scan# 3126
Delta R.T. -0.001 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43



Tgt Ion:240 Resp: 244909
Ion Ratio Lower Upper
240 100
120 9.1 6.2 9.4
236 26.9 20.5 30.7





#78

Pyrene

Concen: 7.300 ng

RT: 19.632 min Scan# 2816

Delta R.T. -0.007 min

Lab File: BG064245.D

Acq: 2 Sep 2025 14:43

Instrument :

BNA_G

ClientSampleId :

RT5427

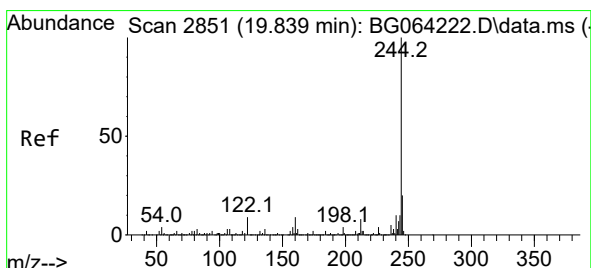
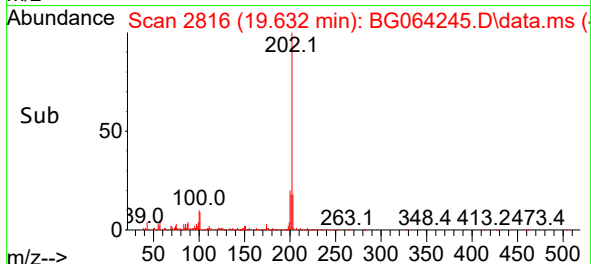
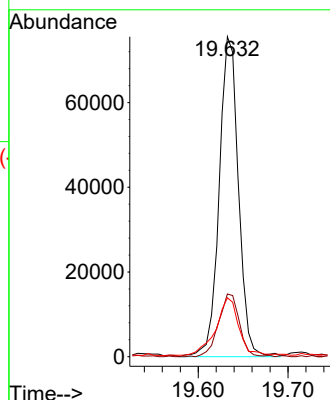
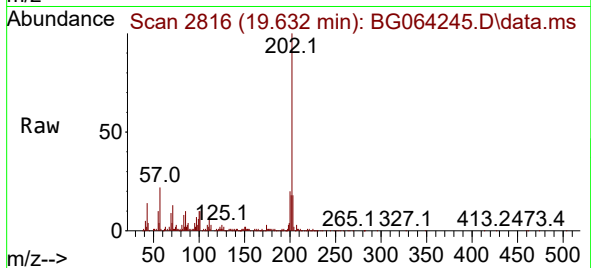
Tgt Ion:202 Resp: 11264
 Ion Ratio Lower Upper
 202 100
 200 19.6 16.9 25.3
 203 18.4 13.8 20.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/03/2025



#79

Terphenyl-d14

Concen: 58.573 ng

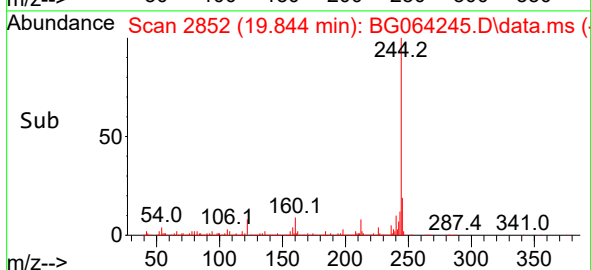
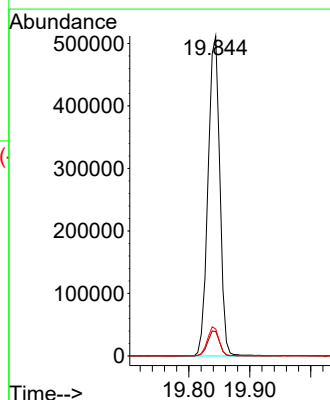
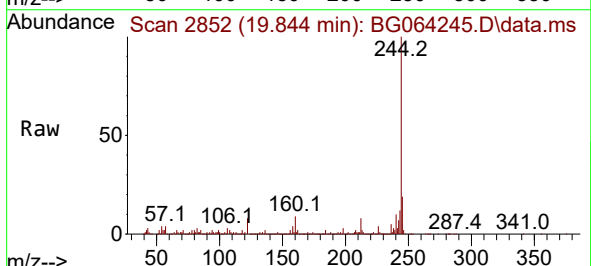
RT: 19.844 min Scan# 2852

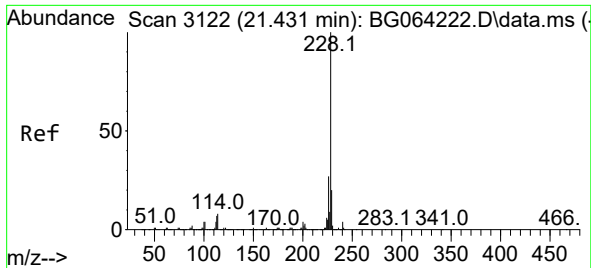
Delta R.T. -0.001 min

Lab File: BG064245.D

Acq: 2 Sep 2025 14:43

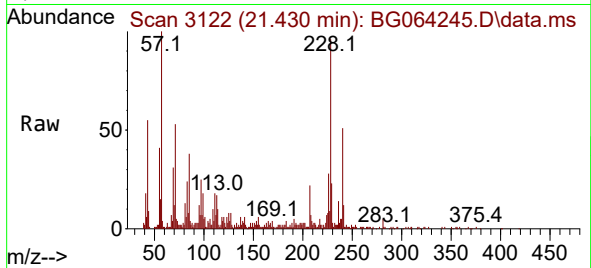
Tgt Ion:244 Resp: 687573
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.6 10.0
 122 8.5 7.0 10.6





#81
Benzo(a)anthracene
Concen: 3.845 ng m
RT: 21.430 min Scan# 3122
Delta R.T. -0.007 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

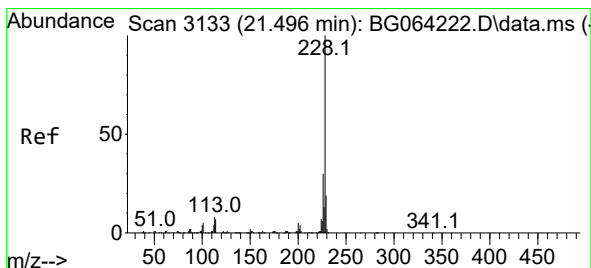
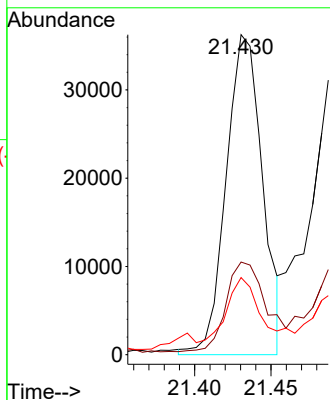
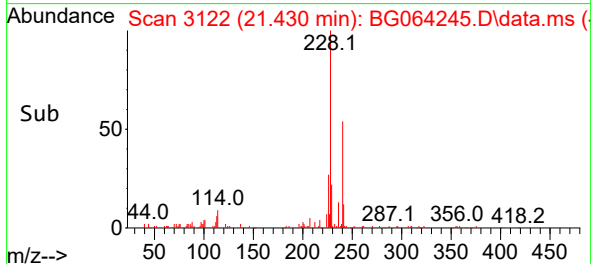
Instrument :
BNA_G
ClientSampleId :
RT5427



Tgt Ion:228 Resp: 60249
Ion Ratio Lower Upper
228 100
226 29.0 21.7 32.5
229 24.1 15.9 23.9

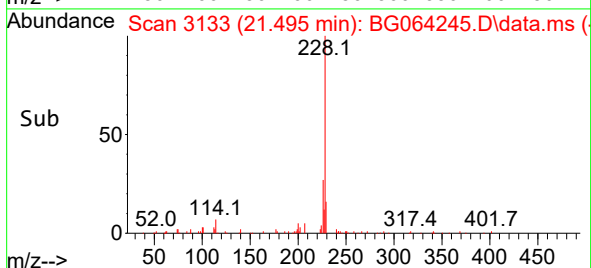
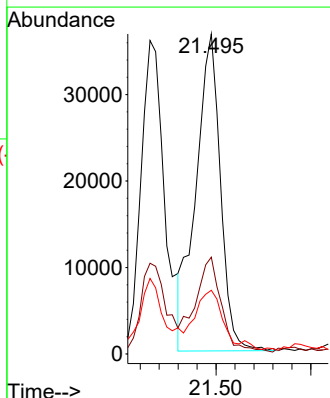
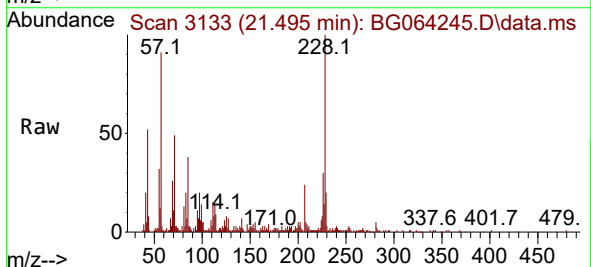
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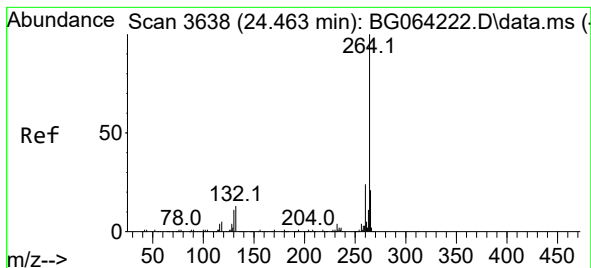
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025



#83
Chrysene
Concen: 4.407 ng
RT: 21.495 min Scan# 3133
Delta R.T. -0.007 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

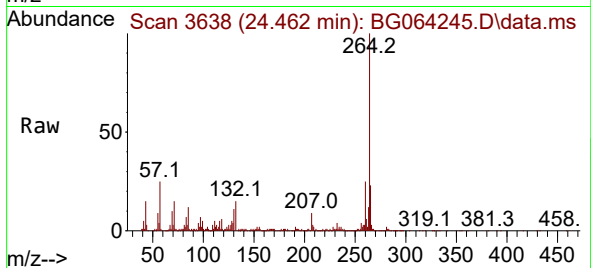
Tgt Ion:228 Resp: 66292
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.2
229 19.9 15.4 23.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.462 min Scan# 30
 Delta R.T. -0.001 min
 Lab File: BG064245.D
 Acq: 2 Sep 2025 14:43

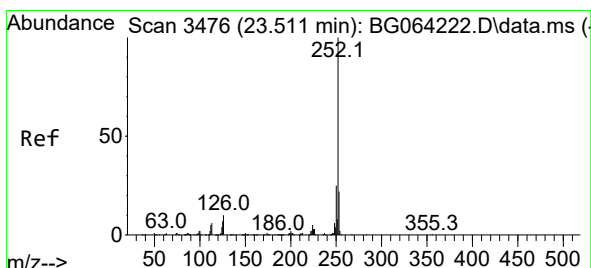
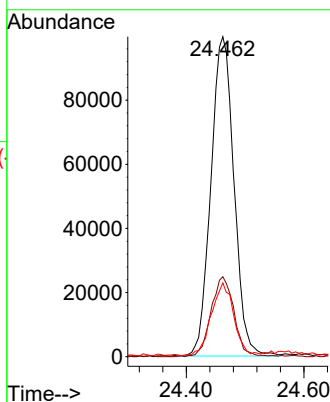
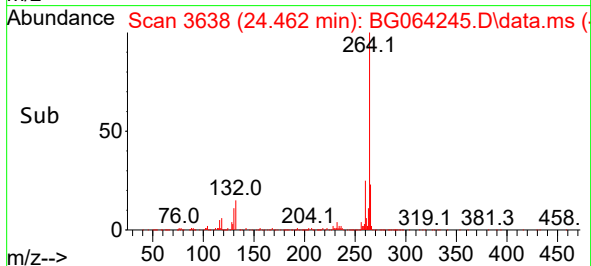
Instrument :
 BNA_G
 ClientSampleId :
 RT5427



Tgt Ion:264 Resp: 27133
 Ion Ratio Lower Upper
 264 100
 260 25.0 18.9 28.3
 265 23.0 16.7 25.1

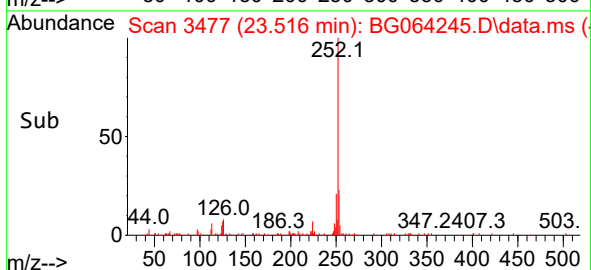
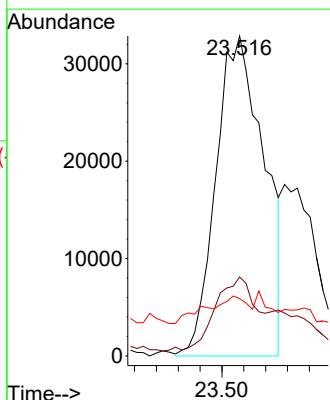
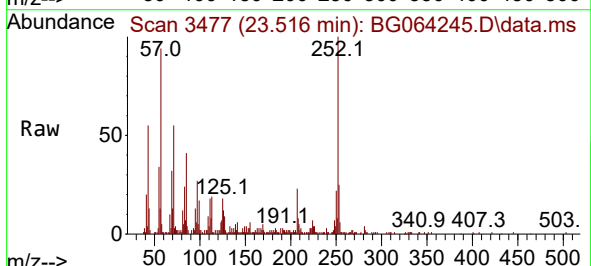
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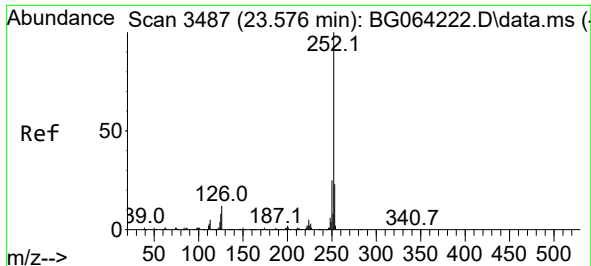
Reviewed By :Rahul Chavli 09/03/2025
 Supervised By :Jagrut Upadhyay 09/03/2025



#88
 Benzo(b)fluoranthene
 Concen: 6.570 ng m
 RT: 23.516 min Scan# 3477
 Delta R.T. -0.001 min
 Lab File: BG064245.D
 Acq: 2 Sep 2025 14:43

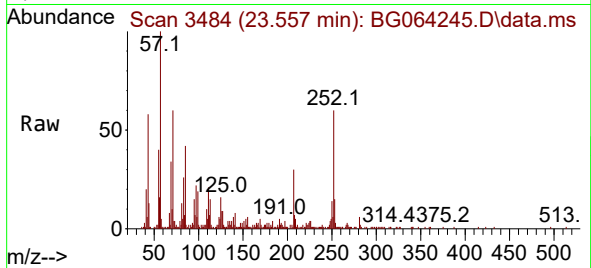
Tgt Ion:252 Resp: 100618
 Ion Ratio Lower Upper
 252 100
 253 24.7 17.5 26.3
 125 17.9 5.9 8.9#





#89
Benzo(k)fluoranthene
Concen: 2.451 ng m
RT: 23.557 min Scan# 3487
Delta R.T. -0.030 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

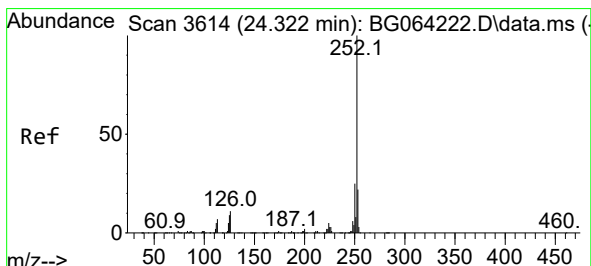
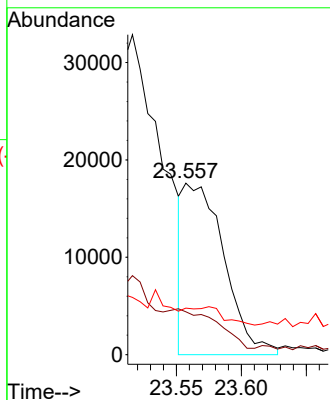
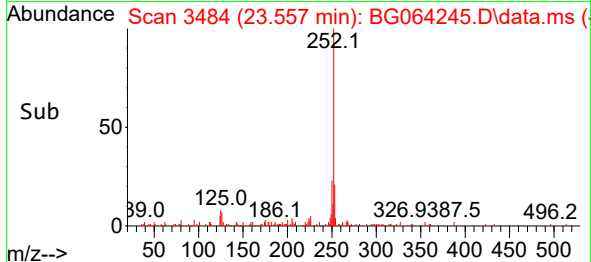
Instrument :
BNA_G
ClientSampleId :
RT5427



Tgt Ion:252 Resp: 3824
Ion Ratio Lower Upper
252 100
253 25.1 18.2 27.4
125 27.2 7.0 10.4

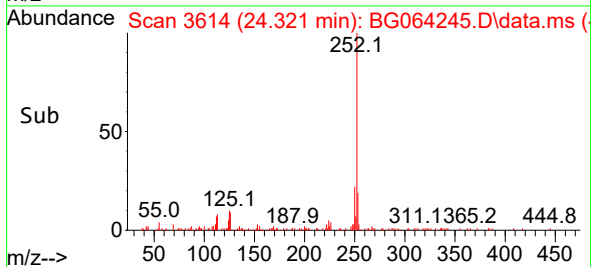
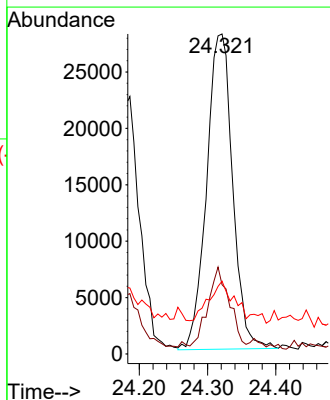
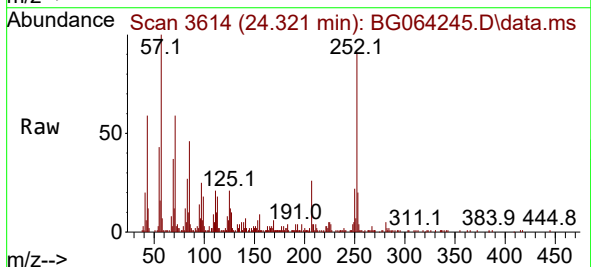
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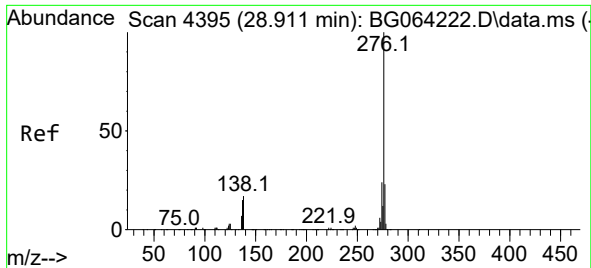
Reviewed By :Rahul Chavli 09/03/2025
Supervised By :Jagrut Upadhyay 09/03/2025



#90
Benzo(a)pyrene
Concen: 5.208 ng
RT: 24.321 min Scan# 3614
Delta R.T. -0.007 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

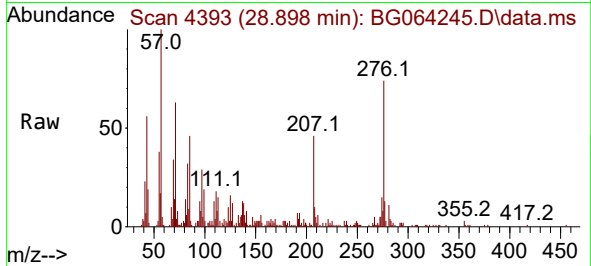
Tgt Ion:252 Resp: 74187
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.2
125 22.8 7.0 10.6





#92
Benzo(g,h,i)perylene
Concen: 3.925 ng
RT: 28.898 min Scan# 41
Delta R.T. -0.036 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

Instrument :
BNA_G
ClientSampleId :
RT5427



Tgt Ion:276 Resp: 56818
Ion Ratio Lower Upper
276 100
277 18.3 18.2 27.4
138 16.6 13.3 19.9

Manual Integrations
APPROVED

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

