

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
 Data File : BG064606.D
 Acq On : 28 Oct 2025 17:54
 Operator : RC/JU
 Sample : Q3419-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR132-S16-094119-20251021

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/29/2025
 Supervised By :Jagrut Upadhyay 10/29/2025

Quant Time: Oct 28 18:29:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	35915	20.000	ng	0.00
21) Naphthalene-d8	11.037	136	132339	20.000	ng	-0.02
39) Acenaphthene-d10	14.839	164	98576	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	222776	20.000	ng	0.00
76) Chrysene-d12	21.848	240	285835	20.000	ng	-0.02
86) Perylene-d12	25.185	264	312112	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.743	112	181180	84.675	ng	0.00
7) Phenol-d6	7.347	99	224152	76.343	ng	0.00
23) Nitrobenzene-d5	9.380	82	129605	58.822	ng	0.00
42) 2,4,6-Tribromophenol	16.313	330	117414	82.526	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	302185	46.465	ng	0.00
79) Terphenyl-d14	20.168	244	662203	43.721	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.903	154	16489	2.892	ng	93
55) Dibenzofuran	15.232	168	31228	3.388	ng	# 96
58) Fluorene	15.879	166	67155	9.330	ng	95
71) Phenanthrene	17.618	178	763136	62.641	ng	99
72) Anthracene	17.706	178	540820	43.640	ng	100
73) Carbazole	17.964	167	141763	12.972	ng	98
75) Fluoranthene	19.615	202	1119221	73.335	ng	99
78) Pyrene	19.974	202	724689	38.805	ng	99
81) Benzo(a)anthracene	21.830	228	288604	15.228	ng	100
83) Chrysene	21.895	228	306600	17.002	ng	98
84) Bis(2-ethylhexyl)phtha...	21.736	149	20966	2.486	ng	# 95
88) Benzo(b)fluoranthene	24.134	252	125529	6.559	ng	98
89) Benzo(k)fluoranthene	24.192	252	52630m	2.748	ng	
90) Benzo(a)pyrene	25.027	252	78762	4.477	ng	99

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

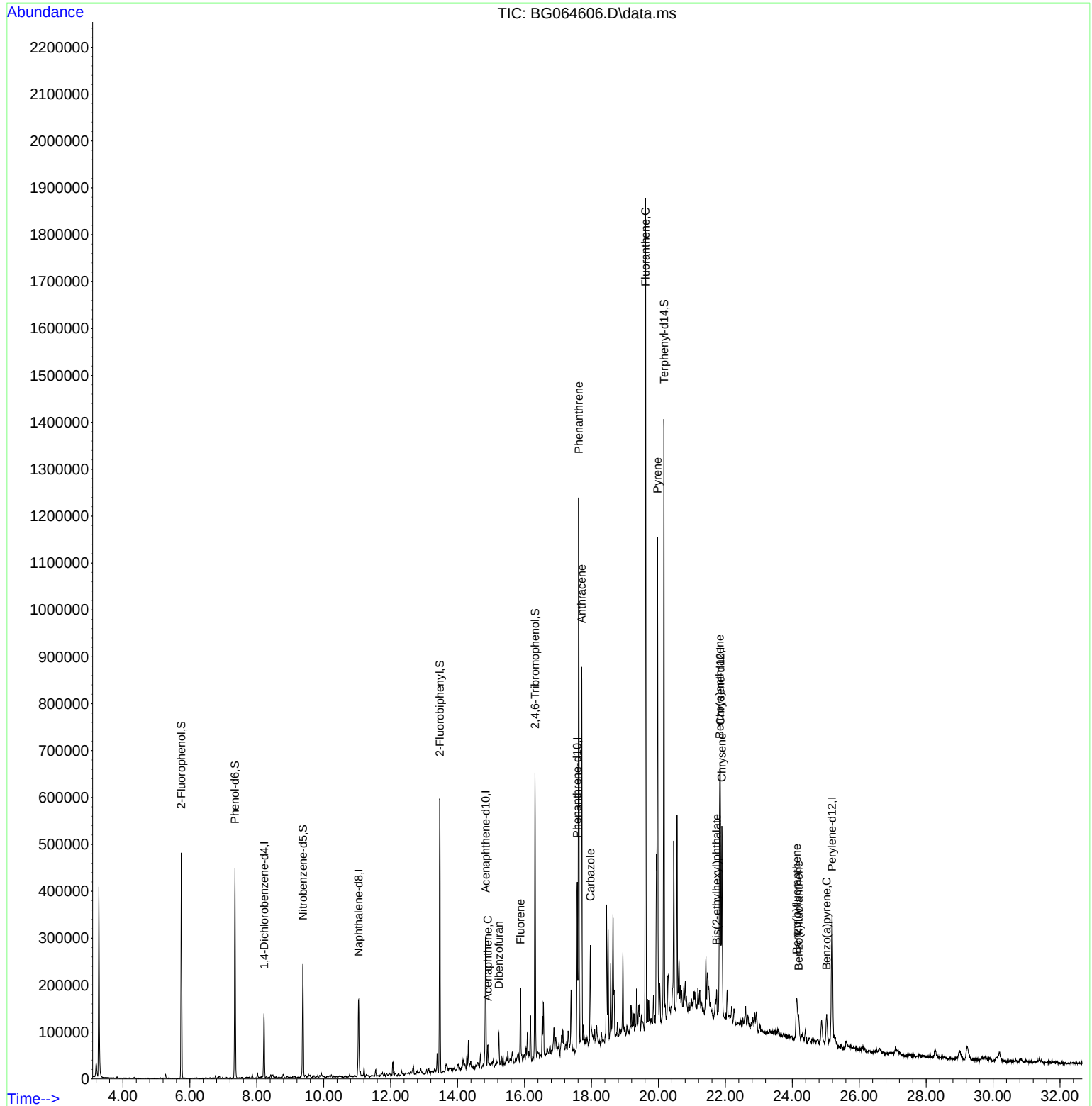
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064606.D
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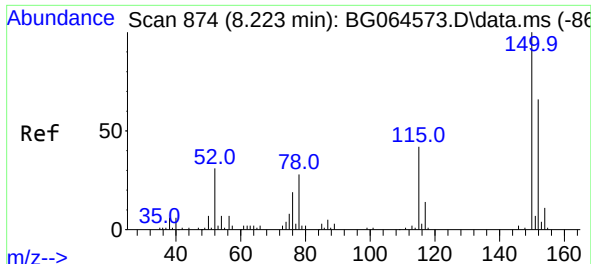
Instrument :
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Quant Time: Oct 28 18:29:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

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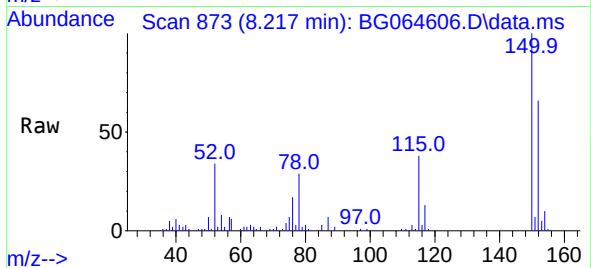
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

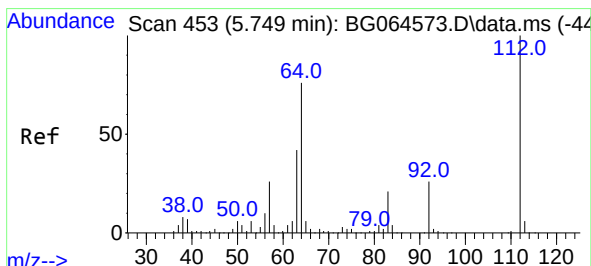
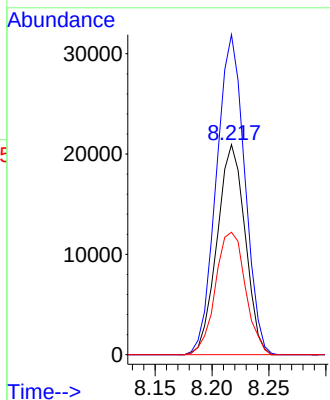
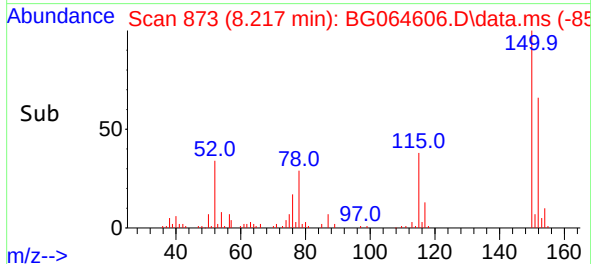
Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021



Tgt Ion:152 Resp: 3591
Ion Ratio Lower Upper
152 100
150 152.3 122.2 183.4
115 58.3 50.8 76.2

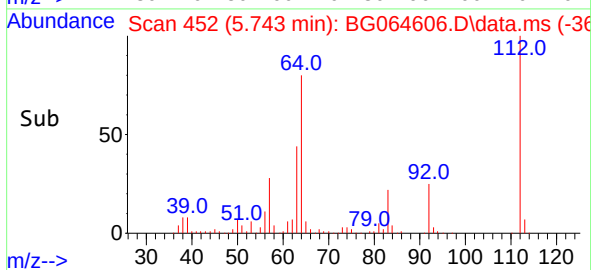
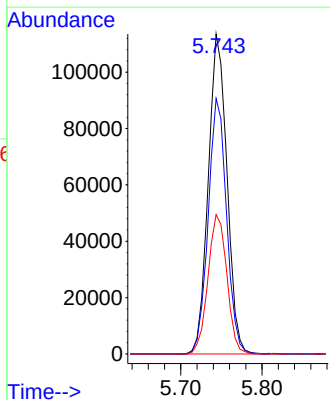
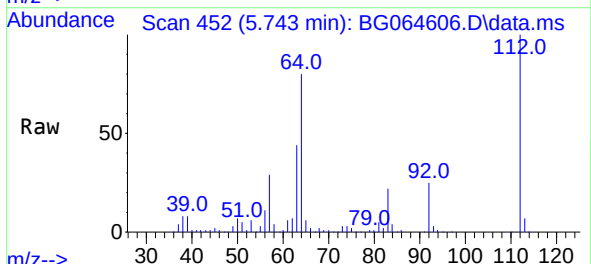
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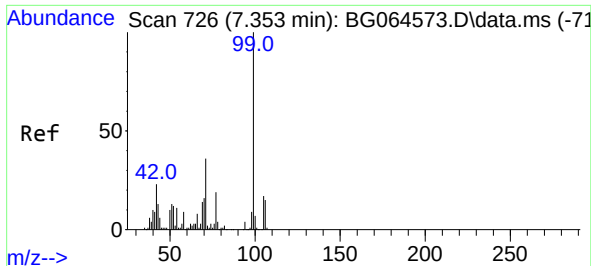
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Supervised By :Jagrut Upadhyay 10/29/2025



#5
2-Fluorophenol
Concen: 84.675 ng
RT: 5.743 min Scan# 452
Delta R.T. -0.004 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

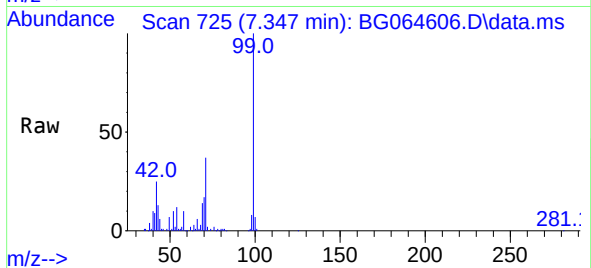
Tgt Ion:112 Resp: 181180
Ion Ratio Lower Upper
112 100
64 79.8 60.7 91.1
63 43.5 33.4 50.0





#7
Phenol-d6
Concen: 76.343 ng
RT: 7.347 min Scan# 71
Delta R.T. -0.009 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

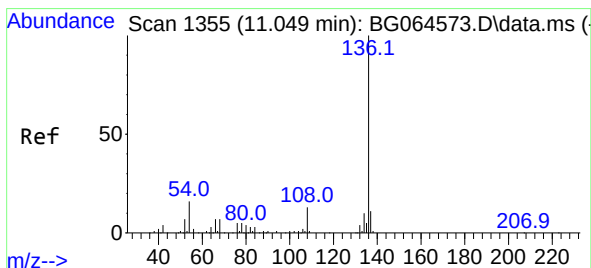
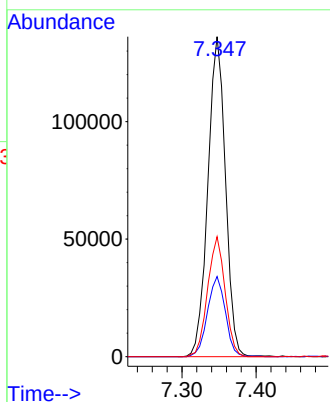
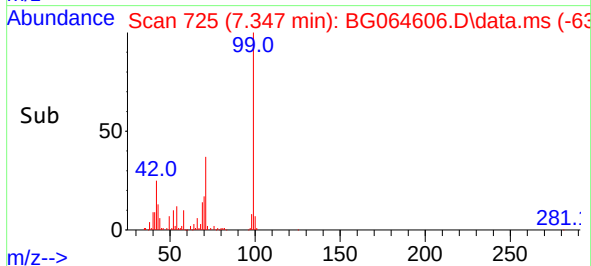
Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021



Tgt Ion: 99 Resp: 22415
Ion Ratio Lower Upper
99 100
42 25.0 18.3 27.5
71 37.5 28.6 43.0

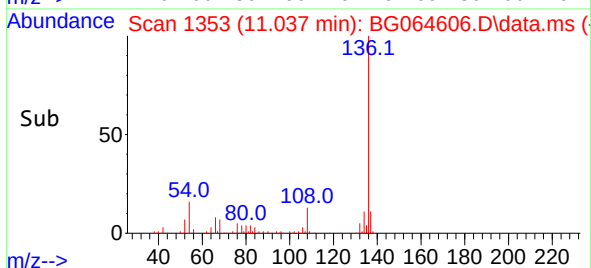
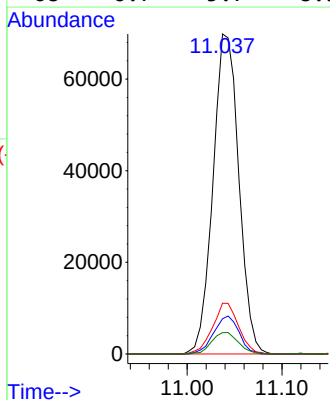
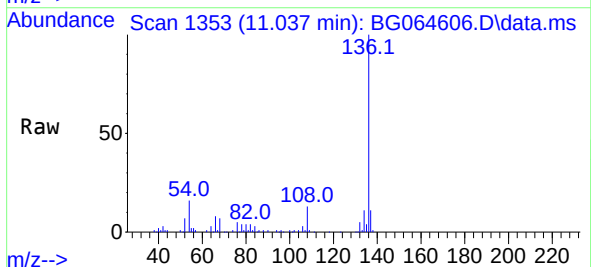
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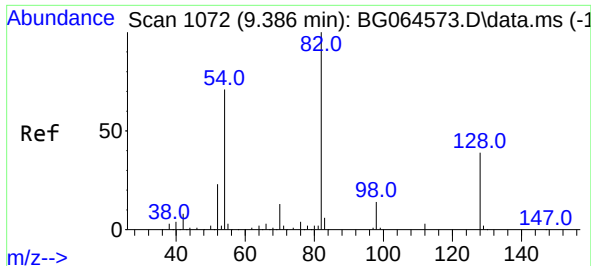
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.037 min Scan# 1353
Delta R.T. -0.015 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

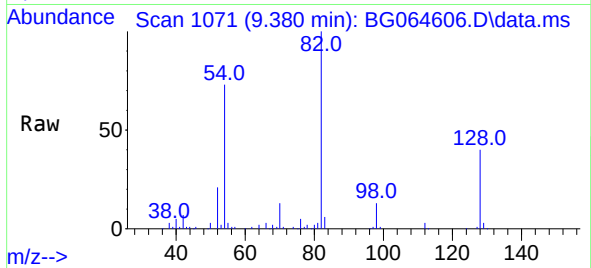
Tgt Ion:136 Resp: 132339
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 15.9 12.6 19.0
68 6.7 5.7 8.5





#23
Nitrobenzene-d5
Concen: 58.822 ng
RT: 9.380 min Scan# 1072
Delta R.T. -0.010 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

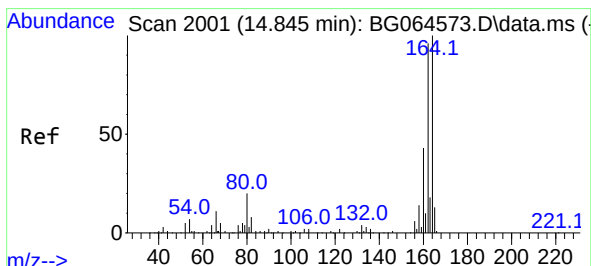
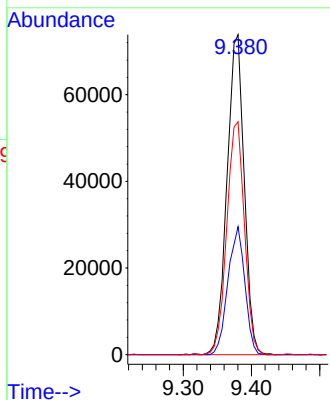
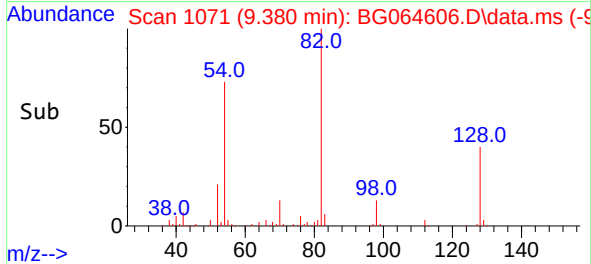
Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021



Tgt Ion: 82 Resp: 12960
Ion Ratio Lower Upper
82 100
128 40.0 31.3 46.9
54 72.8 56.6 84.8

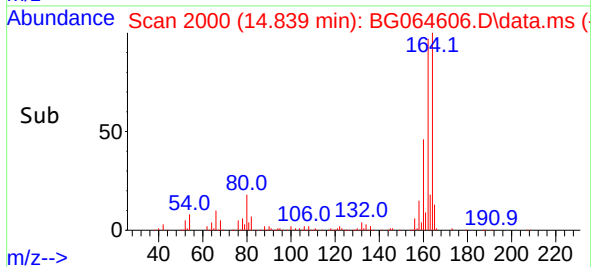
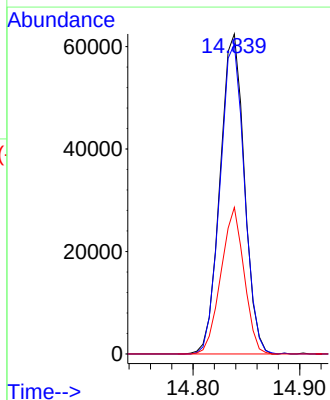
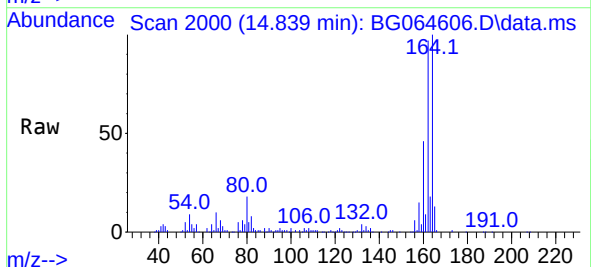
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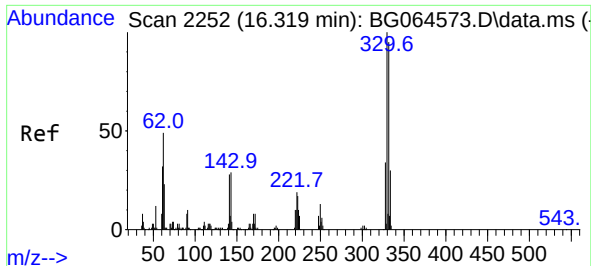
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.004 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

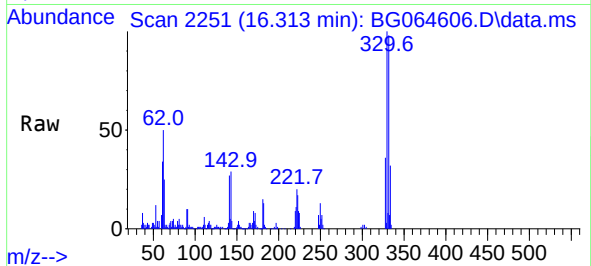
Tgt Ion:164 Resp: 98576
Ion Ratio Lower Upper
164 100
162 96.8 77.0 115.6
160 45.8 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 82.526 ng
RT: 16.313 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

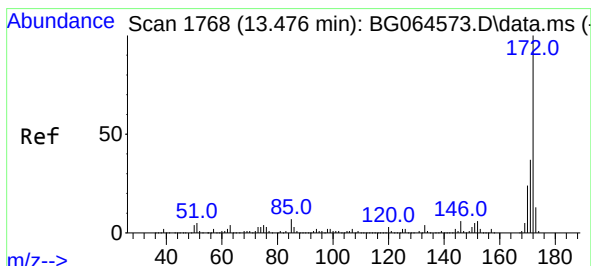
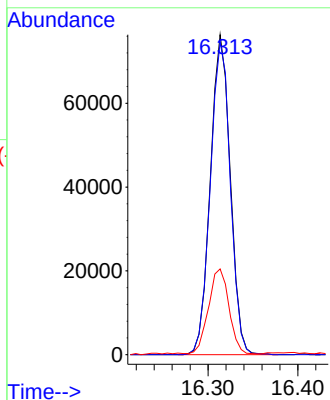
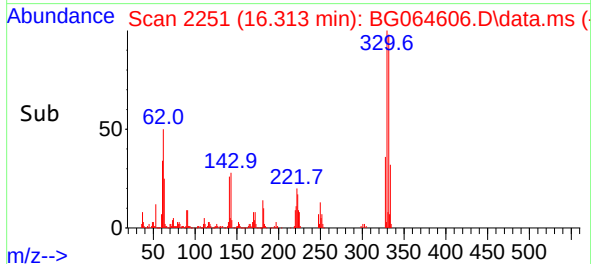
Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021



Tgt Ion:330 Resp: 117414
Ion Ratio Lower Upper
330 100
332 98.2 78.0 117.0
141 27.2 21.8 32.6

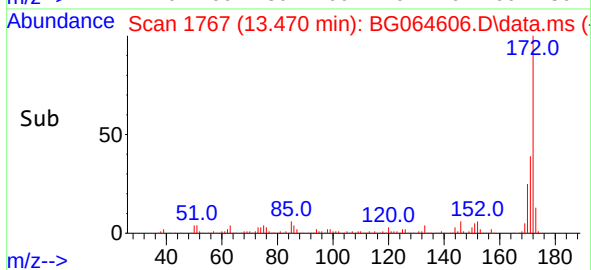
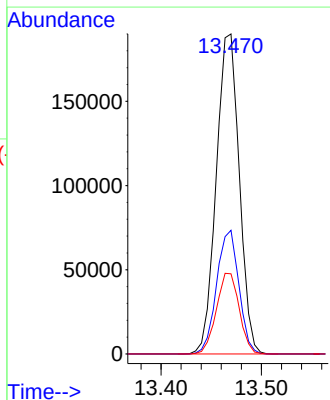
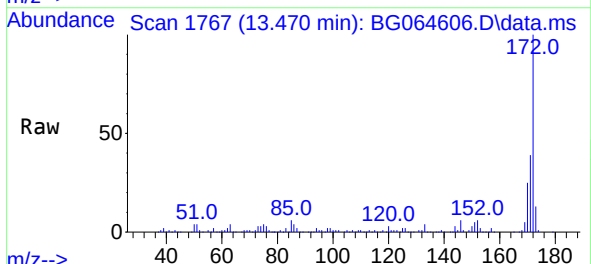
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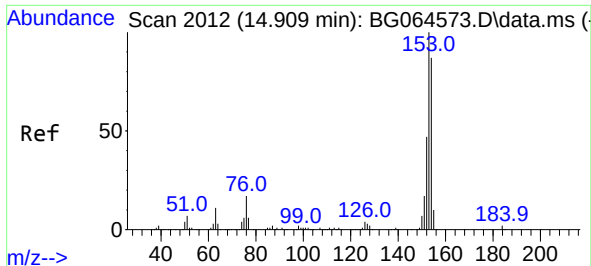
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#45
2-Fluorobiphenyl
Concen: 46.465 ng
RT: 13.470 min Scan# 1767
Delta R.T. -0.009 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

Tgt Ion:172 Resp: 302185
Ion Ratio Lower Upper
172 100
171 38.7 29.4 44.0
170 25.0 19.1 28.7





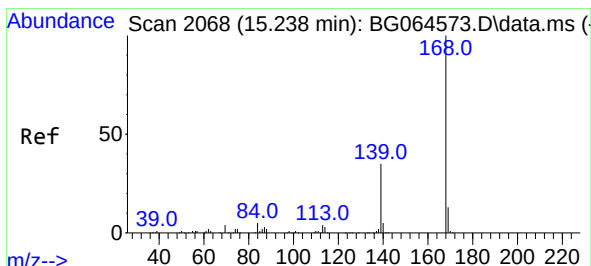
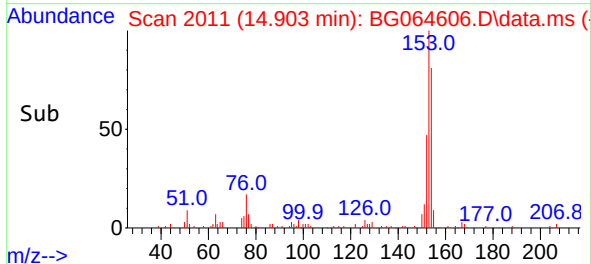
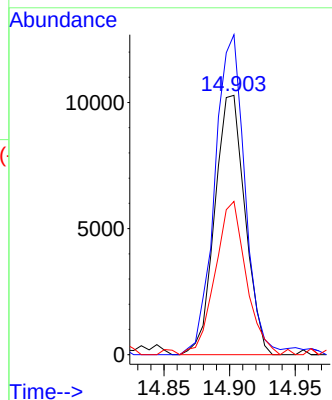
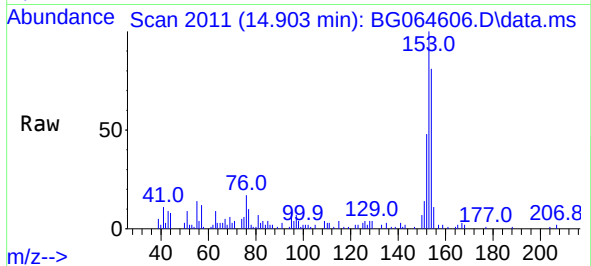
#52
Acenaphthene
Concen: 2.892 ng
RT: 14.903 min Scan# 2011
Delta R.T. -0.009 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021

Tgt Ion:154 Resp: 16489
Ion Ratio Lower Upper
154 100
153 123.4 92.2 138.4
152 59.1 43.2 64.8

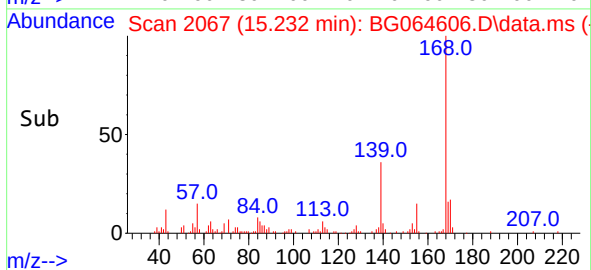
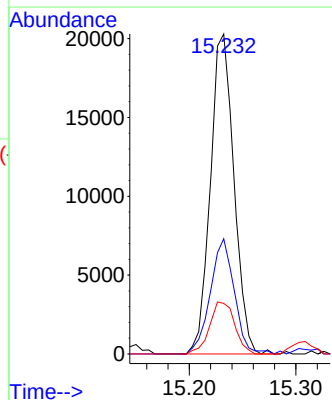
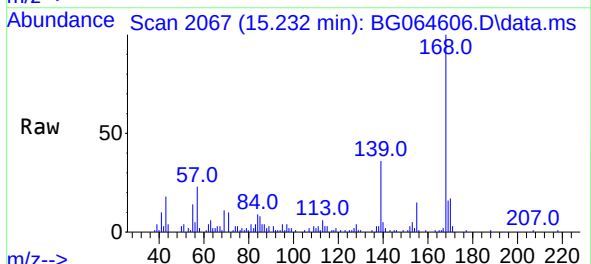
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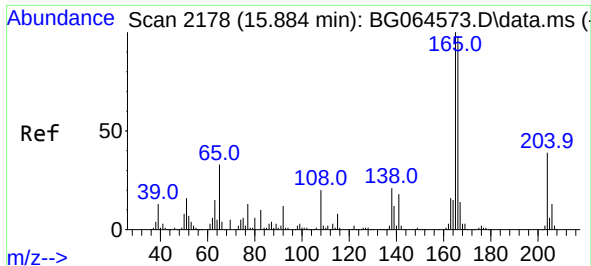
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#55
Dibenzofuran
Concen: 3.388 ng
RT: 15.232 min Scan# 2067
Delta R.T. -0.009 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

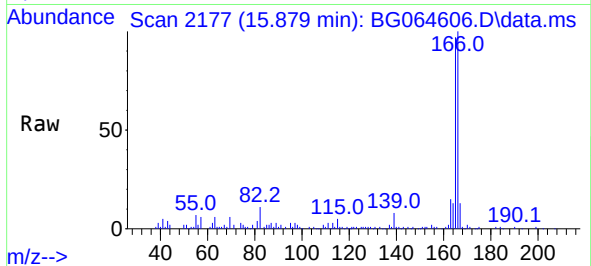
Tgt Ion:168 Resp: 31228
Ion Ratio Lower Upper
168 100
139 36.0 27.8 41.8
169 15.8 10.3 15.5#





#58
Fluorene
Concen: 9.330 ng
RT: 15.879 min Scan# 2178
Delta R.T. -0.009 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

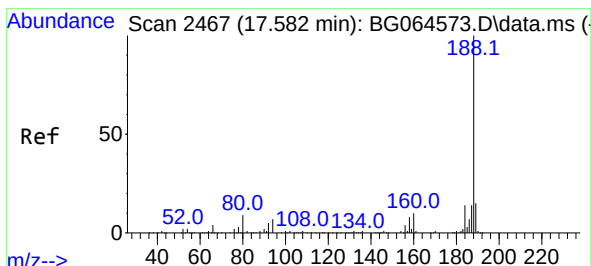
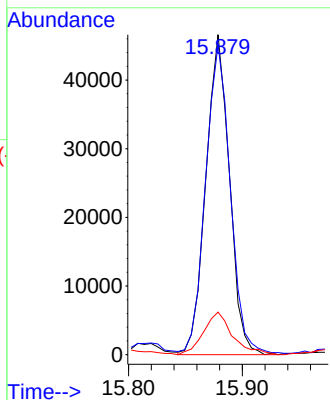
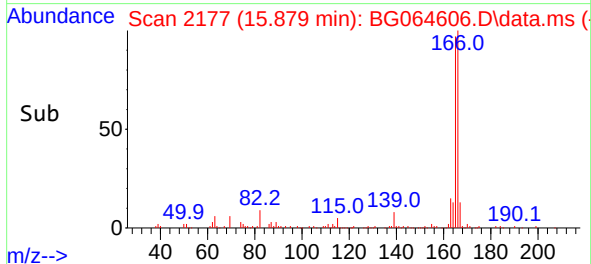
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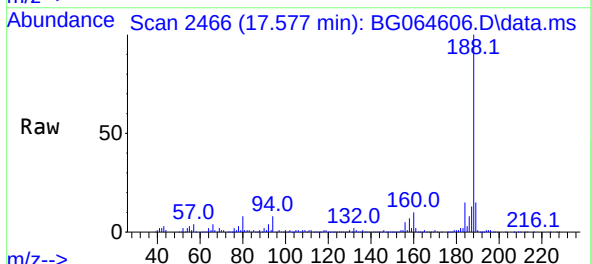
Tgt Ion:166 Resp: 6715
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166 100
165 96.9 81.5 122.3
167 13.3 11.4 17.0

Manual Integrations
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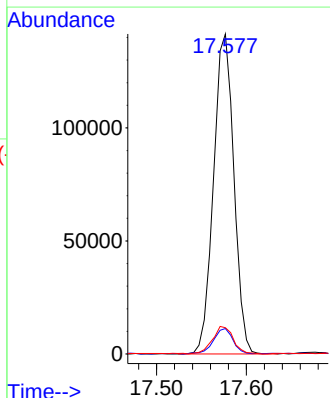
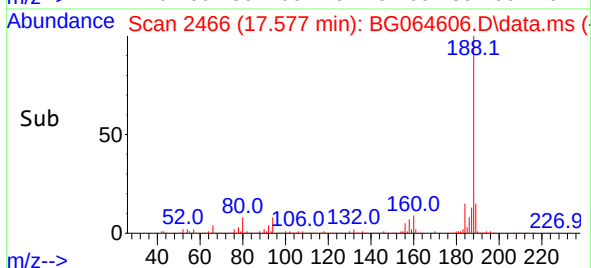
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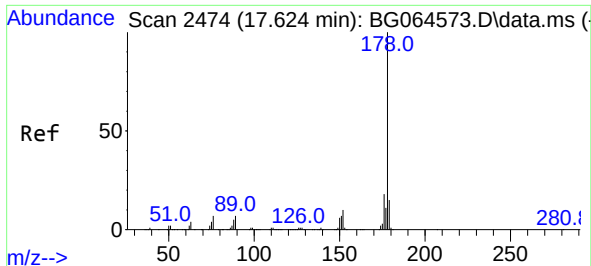


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54



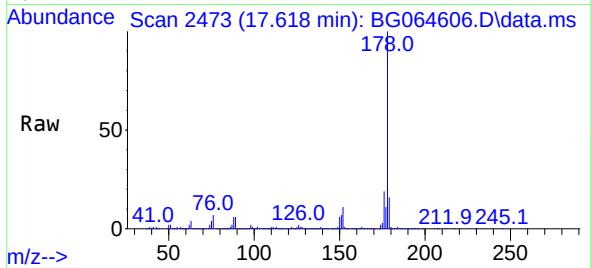
Tgt Ion:188 Resp: 222776
Ion Ratio Lower Upper
188 100
94 7.9 5.7 8.5
80 8.2 6.8 10.2





#71
Phenanthrene
Concen: 62.641 ng
RT: 17.618 min Scan# 2473
Delta R.T. -0.009 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

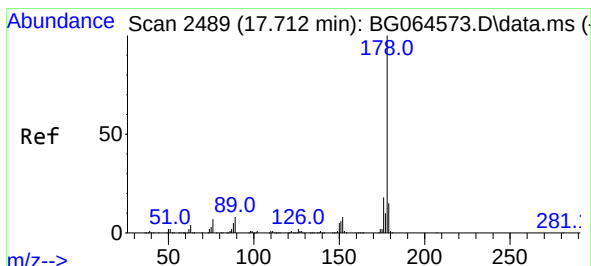
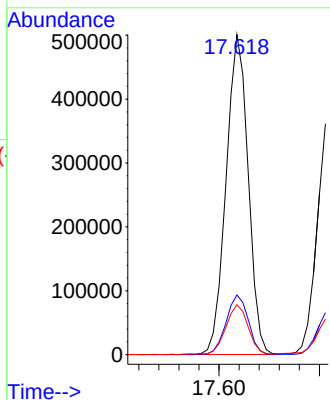
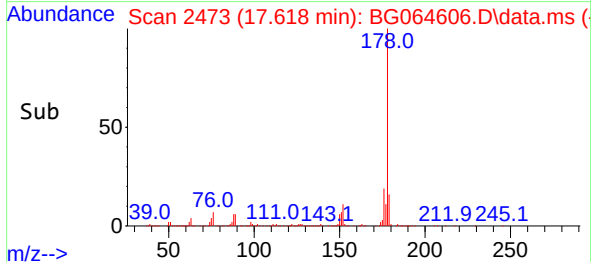
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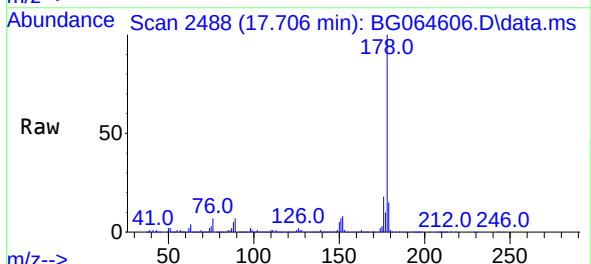
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Ion Ratio Lower Upper
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176 18.6 14.7 22.1
179 15.6 12.2 18.4

Manual Integrations
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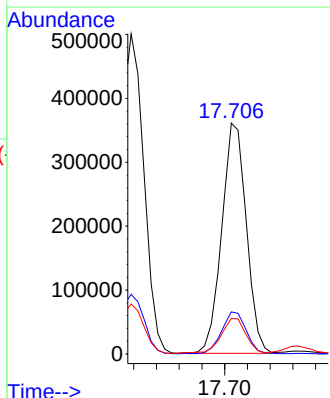
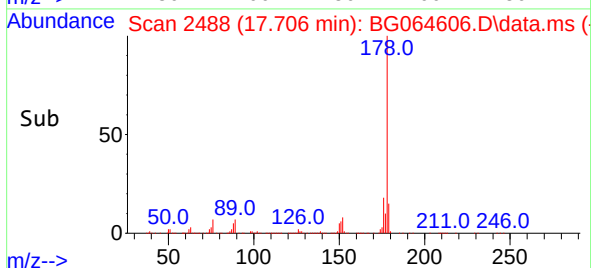
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

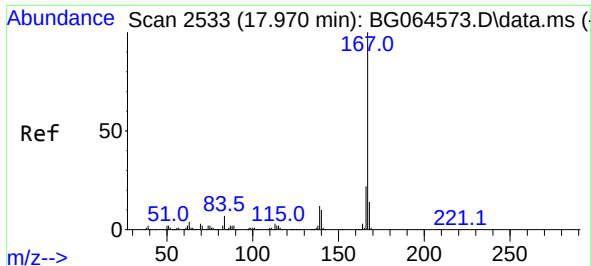


#72
Anthracene
Concen: 43.640 ng
RT: 17.706 min Scan# 2488
Delta R.T. -0.009 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54



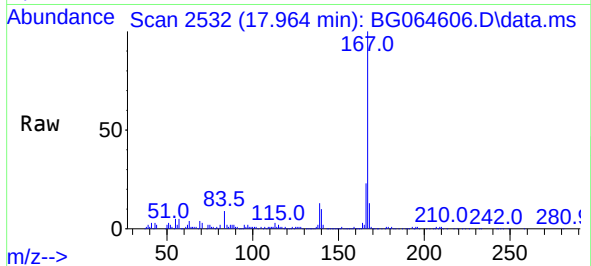
Tgt Ion:178 Resp: 540820
Ion Ratio Lower Upper
178 100
176 18.2 14.4 21.6
179 15.4 12.4 18.6





#73
 Carbazole
 Concen: 12.972 ng
 RT: 17.964 min Scan# 2533
 Delta R.T. -0.009 min
 Lab File: BG064606.D
 Acq: 28 Oct 2025 17:54

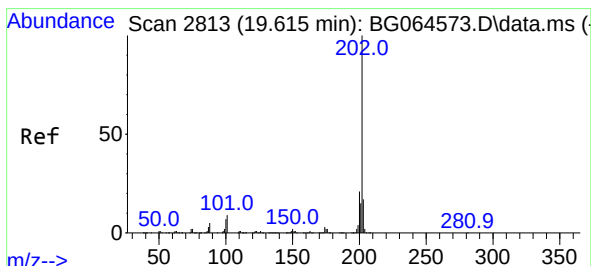
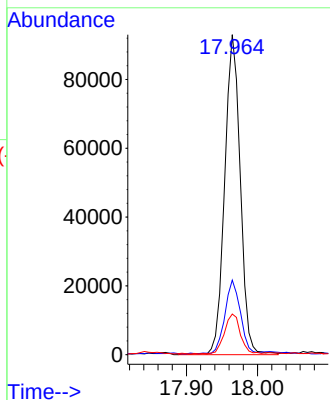
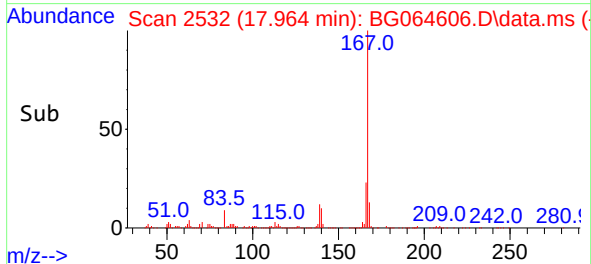
Instrument : BNA_G
 ClientSampleId : PR132-S16-094119-20251021



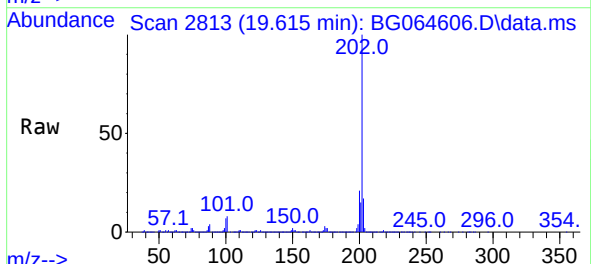
Tgt Ion:167 Resp: 141763
 Ion Ratio Lower Upper
 167 100
 166 23.3 17.9 26.9
 139 12.7 9.7 14.5

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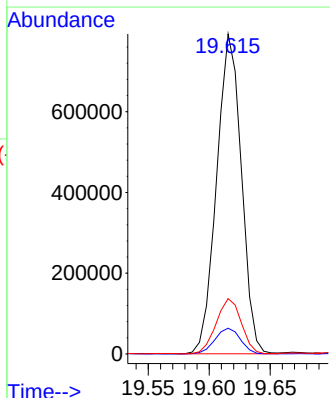
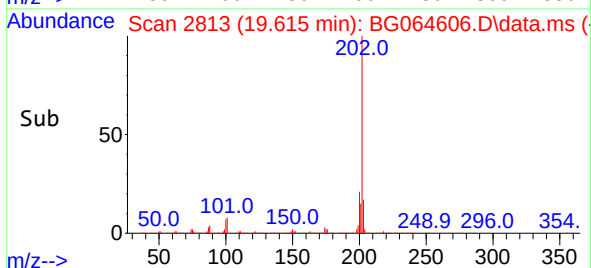
Reviewed By :Rahul Chavli 10/29/2025
 Supervised By :Jagrut Upadhyay 10/29/2025

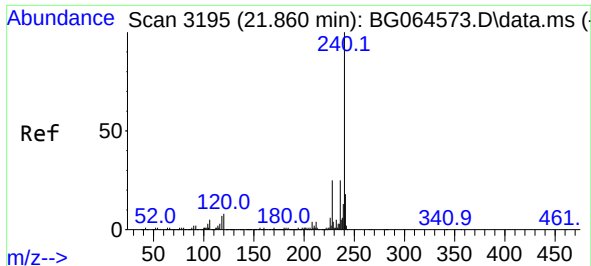


#75
 Fluoranthene
 Concen: 73.335 ng
 RT: 19.615 min Scan# 2813
 Delta R.T. -0.004 min
 Lab File: BG064606.D
 Acq: 28 Oct 2025 17:54



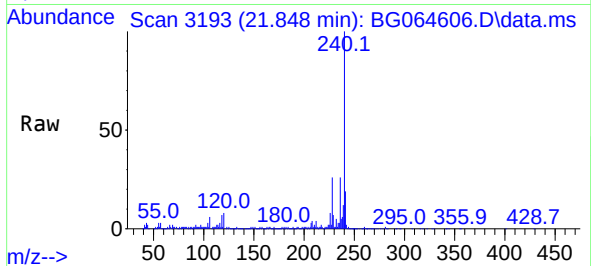
Tgt Ion:202 Resp: 1119221
 Ion Ratio Lower Upper
 202 100
 101 8.1 0.0 28.7
 203 17.3 0.0 37.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.848 min Scan# 3193
Delta R.T. -0.015 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

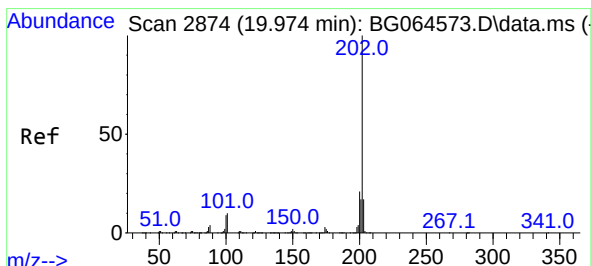
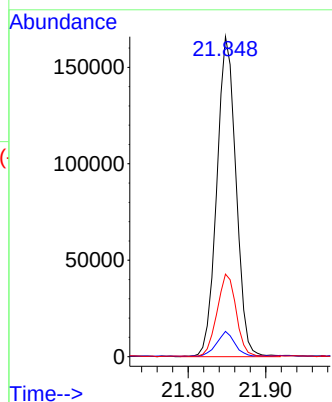
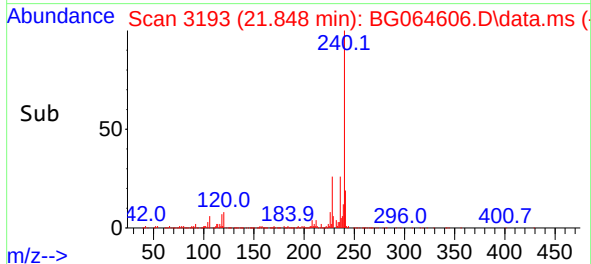
Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021



Tgt Ion:240 Resp: 285835
Ion Ratio Lower Upper
240 100
120 7.9 6.5 9.7
236 25.8 20.2 30.2

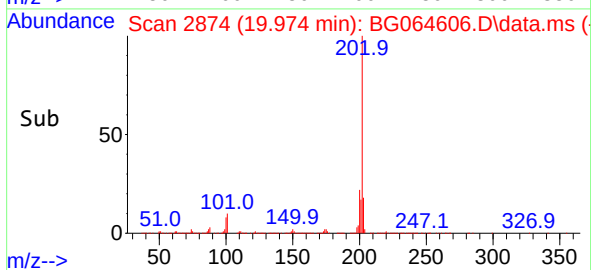
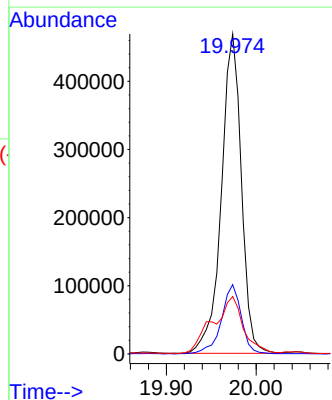
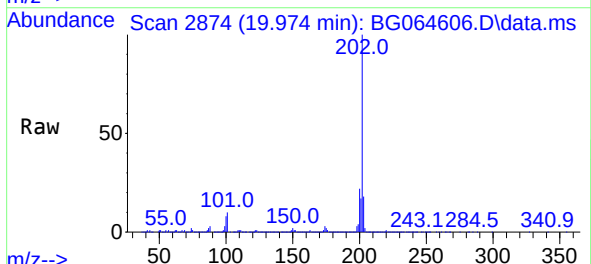
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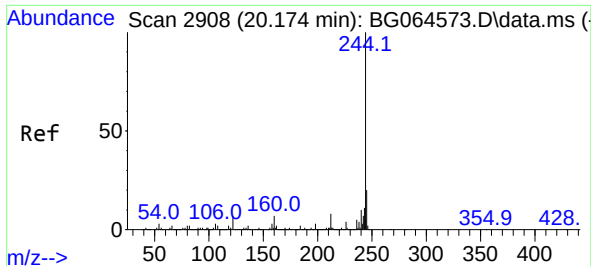
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#78
Pyrene
Concen: 38.805 ng
RT: 19.974 min Scan# 2874
Delta R.T. -0.004 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

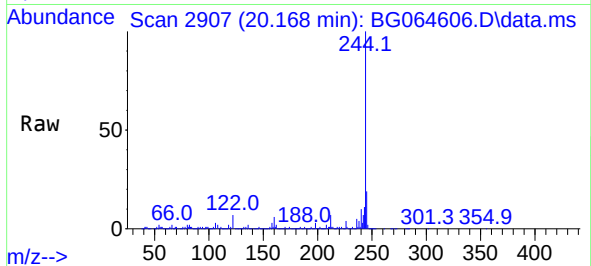
Tgt Ion:202 Resp: 724689
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.4
203 17.9 13.8 20.6





#79
 Terphenyl-d14
 Concen: 43.721 ng
 RT: 20.168 min Scan# 24
 Delta R.T. -0.009 min
 Lab File: BG064606.D
 Acq: 28 Oct 2025 17:54

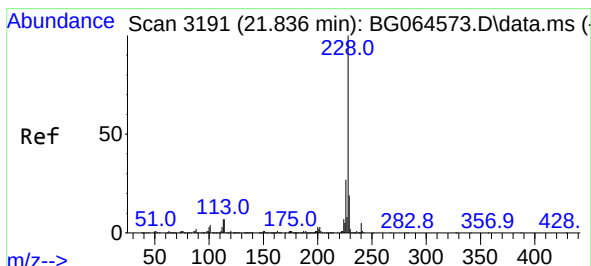
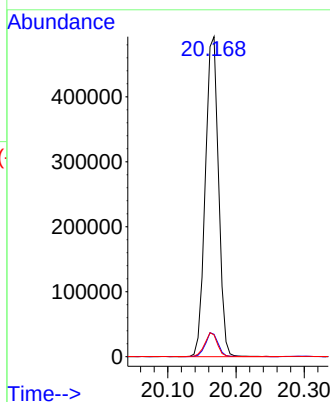
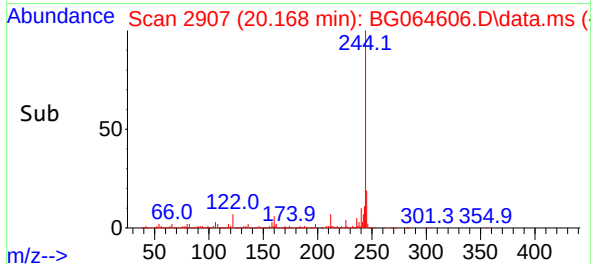
Instrument :
 BNA_G
 ClientSampleId :
 PR132-S16-094119-20251021



Tgt Ion:244 Resp: 66220
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 6.8 5.6 8.4

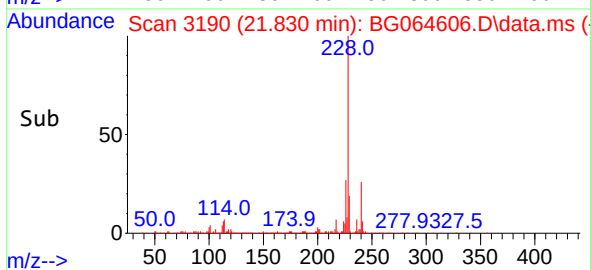
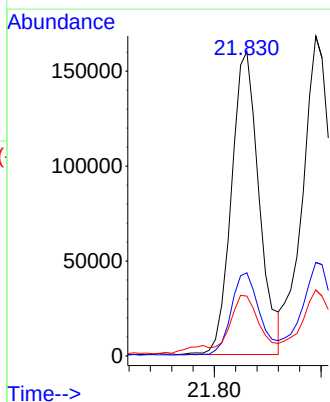
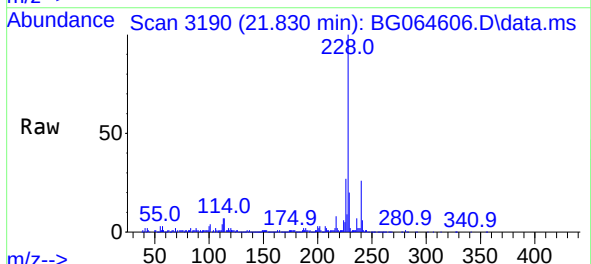
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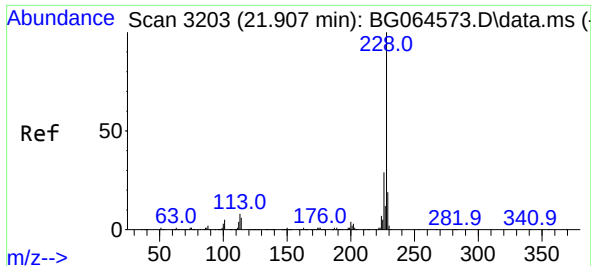
Reviewed By :Rahul Chavli 10/29/2025
 Supervised By :Jagrut Upadhyay 10/29/2025



#81
 Benzo(a)anthracene
 Concen: 15.228 ng
 RT: 21.830 min Scan# 3190
 Delta R.T. -0.009 min
 Lab File: BG064606.D
 Acq: 28 Oct 2025 17:54

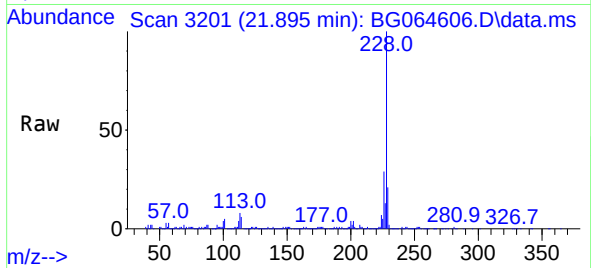
Tgt Ion:228 Resp: 288604
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.9 32.9
 229 19.7 15.6 23.4





#83
Chrysene
Concen: 17.002 ng
RT: 21.895 min Scan# 31
Delta R.T. -0.015 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

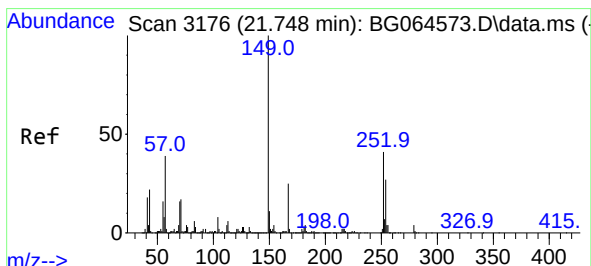
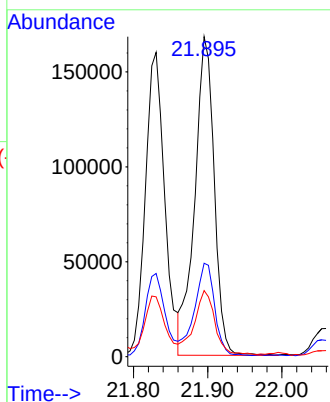
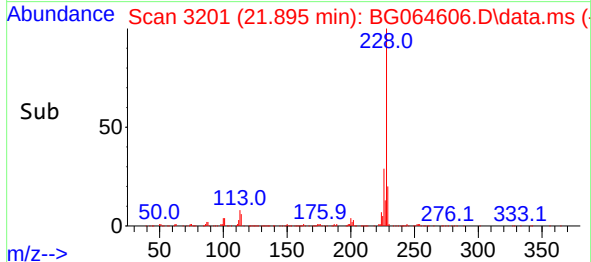
Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021



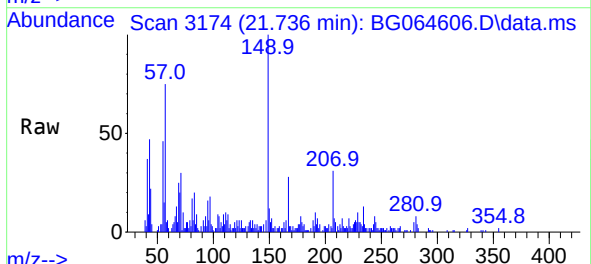
Tgt Ion:228 Resp: 306600
Ion Ratio Lower Upper
228 100
226 29.2 23.3 34.9
229 20.7 15.2 22.8

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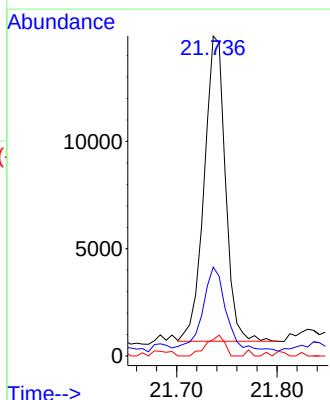
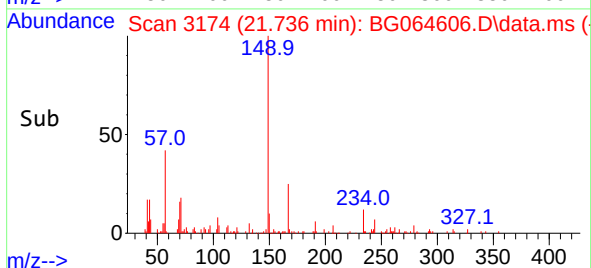
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

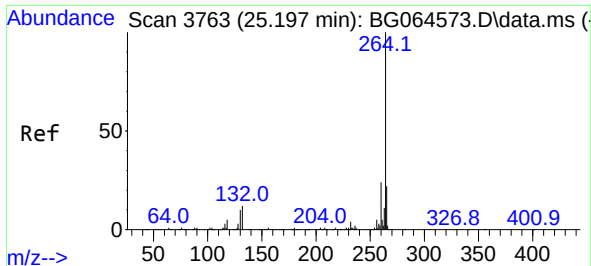


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.486 ng
RT: 21.736 min Scan# 3174
Delta R.T. -0.015 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54



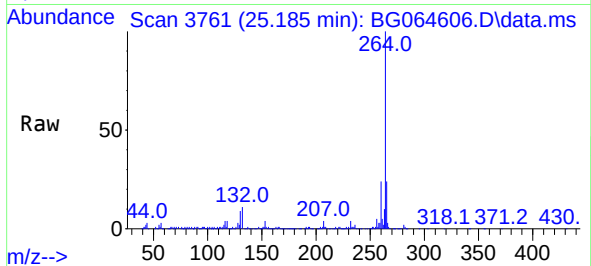
Tgt Ion:149 Resp: 20966
Ion Ratio Lower Upper
149 100
167 27.7 20.0 30.0
279 5.2 3.1 4.7#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.185 min Scan# 31
Delta R.T. -0.015 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

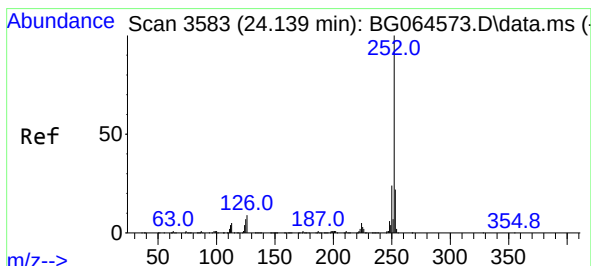
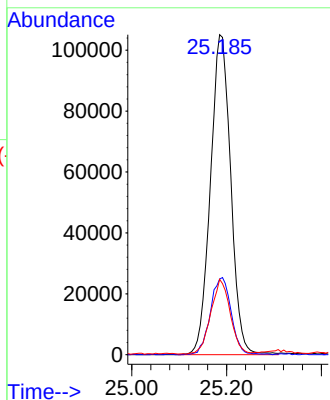
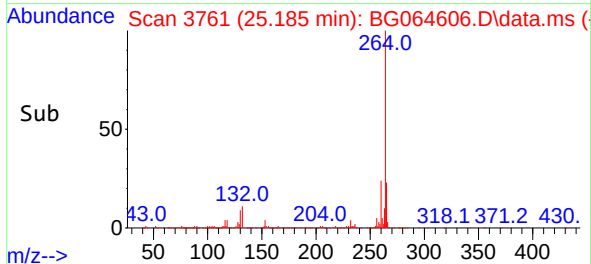
Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021



Tgt Ion:264 Resp: 31211
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.4
265 23.6 17.6 26.4

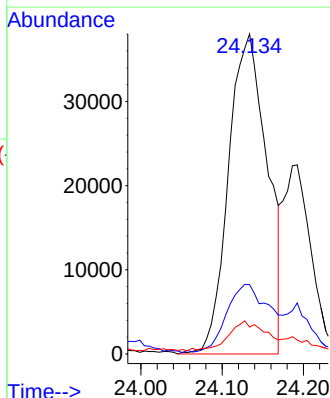
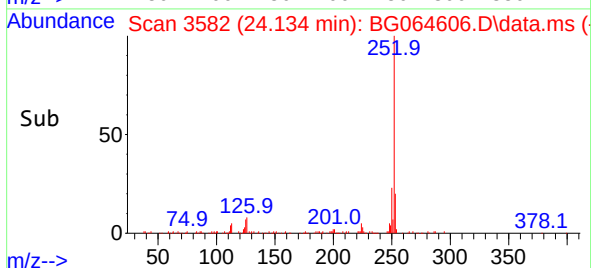
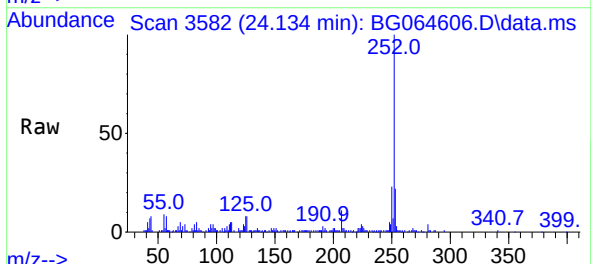
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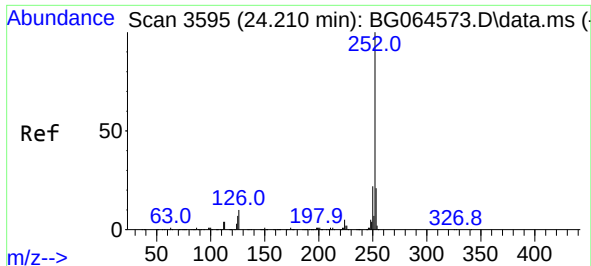
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#88
Benzo(b)fluoranthene
Concen: 6.559 ng
RT: 24.134 min Scan# 3582
Delta R.T. -0.009 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

Tgt Ion:252 Resp: 125529
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 8.4 5.6 8.4





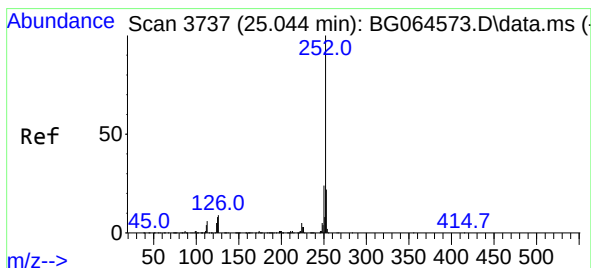
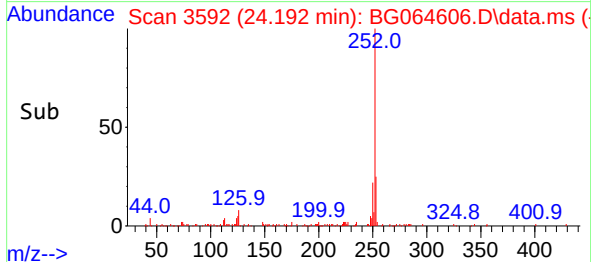
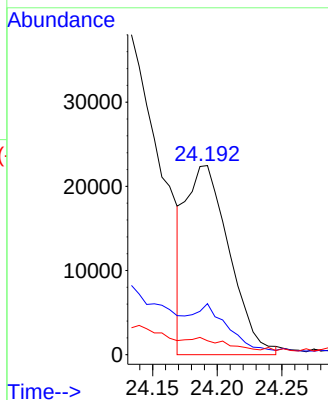
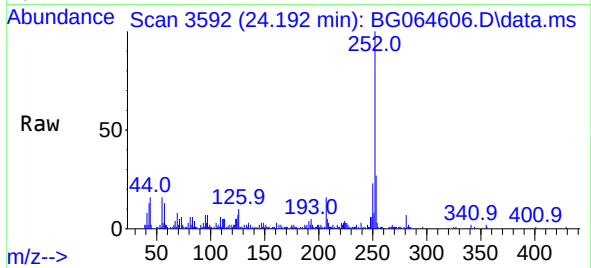
#89
Benzo(k)fluoranthene
Concen: 2.748 ng m
RT: 24.192 min Scan# 3
Delta R.T. -0.027 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

Instrument :
BNA_G
ClientSampleId :
PR132-S16-094119-20251021

Tgt Ion:252 Resp: 52630
Ion Ratio Lower Upper
252 100
253 27.0 16.8 25.2
125 7.4 5.4 8.0

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Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#90
Benzo(a)pyrene
Concen: 4.477 ng
RT: 25.027 min Scan# 3734
Delta R.T. -0.033 min
Lab File: BG064606.D
Acq: 28 Oct 2025 17:54

Tgt Ion:252 Resp: 78762
Ion Ratio Lower Upper
252 100
253 21.3 17.6 26.4
125 8.1 6.1 9.1

