

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
 Data File : BG064542.D
 Acq On : 17 Oct 2025 19:12
 Operator : RC/JU
 Sample : Q3363-02
 Misc : 8270/625.1 SPIKE
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR132-SO1-039085-20251015

Quant Time: Oct 17 23:22:06 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

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/20/2025
 Supervised By :Jagrut Upadhyay 10/20/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	14350	20.000	ng	0.00
21) Naphthalene-d8	10.603	136	59289	20.000	ng	0.00
39) Acenaphthene-d10	14.445	164	41893	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	102654	20.000	ng	0.00
76) Chrysene-d12	21.414	240	115906	20.000	ng	0.00
86) Perylene-d12	24.398	264	131885	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.409	112	71909	92.739	ng	0.00
7) Phenol-d6	6.995	99	88539	84.971	ng	0.00
23) Nitrobenzene-d5	8.970	82	60080	54.487	ng	0.00
42) 2,4,6-Tribromophenol	15.938	330	69882	92.026	ng	0.00
45) 2-Fluorobiphenyl	13.065	172	152882	53.791	ng	0.00
79) Terphenyl-d14	19.810	244	317816	51.893	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.510	154	5792	2.496	ng	86
58) Fluorene	15.497	166	9815	3.082	ng	# 81
71) Phenanthrene	17.230	178	35938	6.694	ng	98
72) Anthracene	17.319	178	22884m	4.249	ng	
75) Fluoranthene	19.252	202	44438	6.929	ng	91
78) Pyrene	19.604	202	44716	5.945	ng	# 93
81) Benzo(a)anthracene	21.390	228	21984	2.971	ng	94
83) Chrysene	21.455	228	24522m	3.494	ng	
84) Bis(2-ethylhexyl)phtha...	21.320	149	28940	7.692	ng	# 86
88) Benzo(b)fluoranthene	23.453	252	28308	3.773	ng	# 77
90) Benzo(a)pyrene	24.263	252	21239	3.071	ng	# 84

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

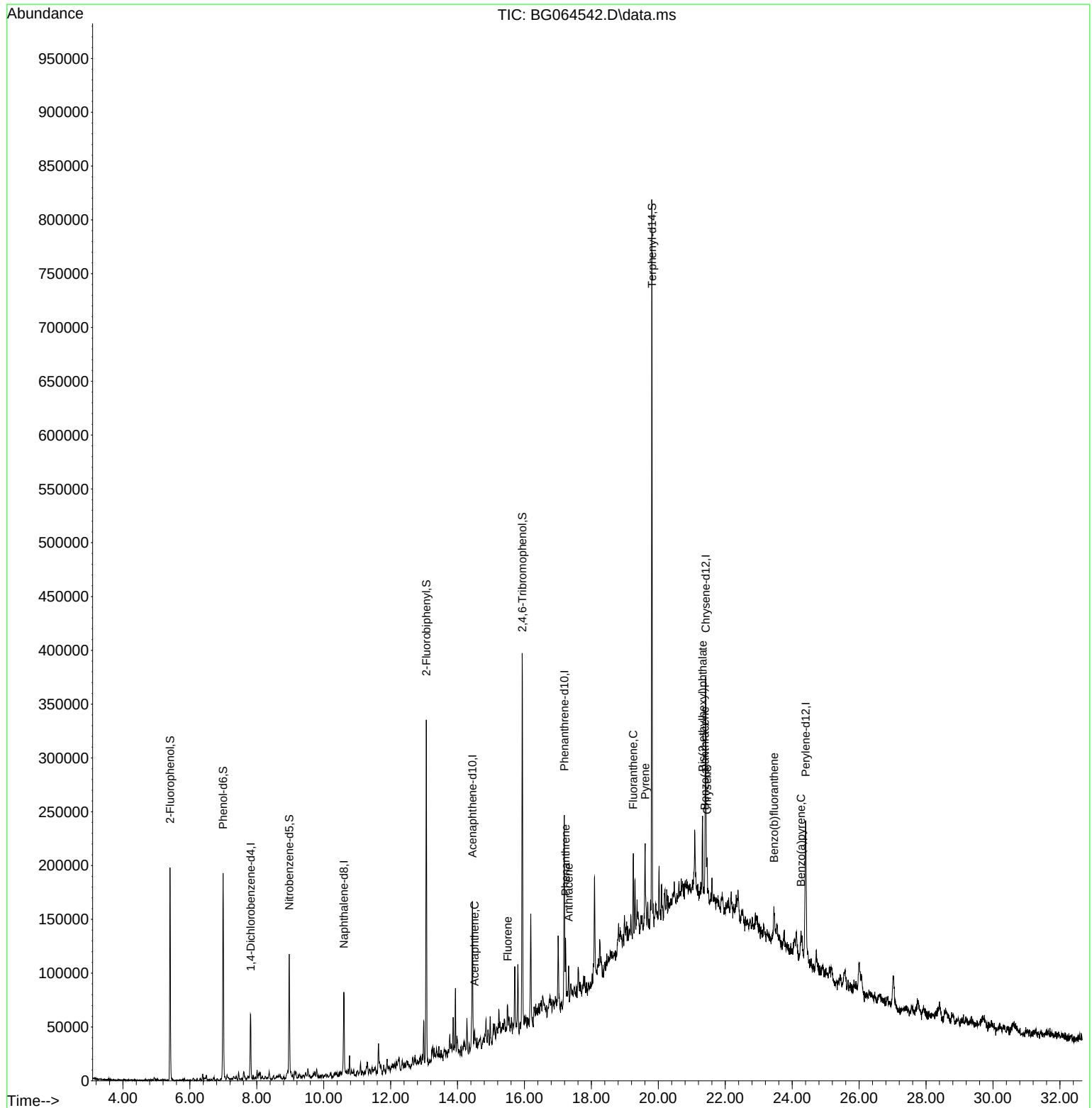
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064542.D
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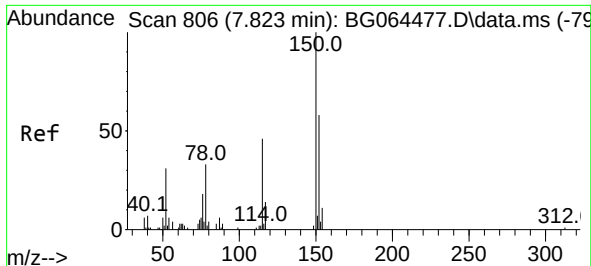
Instrument :
BNA_G
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PR132-SO1-039085-20251015

Quant Time: Oct 17 23:22:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
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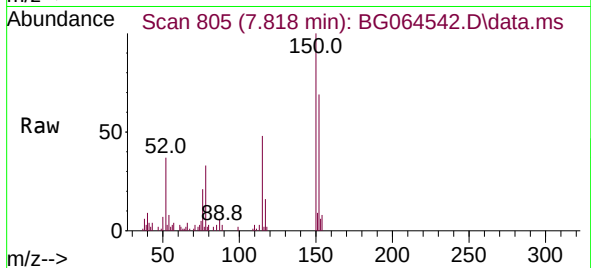
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Supervised By :Jagrut Upadhyay 10/20/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.818 min Scan# 806
Delta R.T. -0.002 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

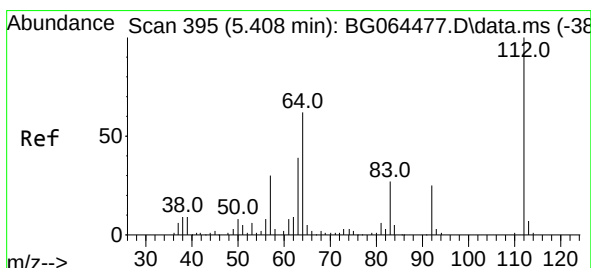
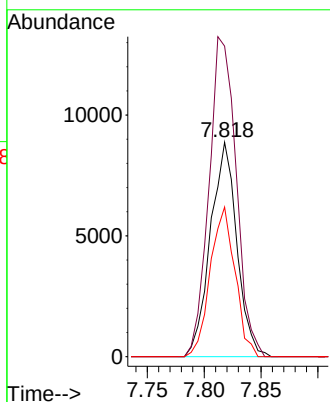
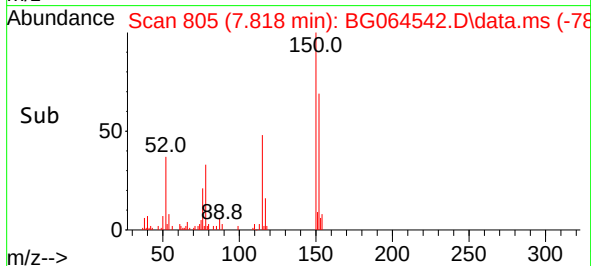
Instrument : BNA_G
ClientSampleId : PR132-SO1-039085-20251015



Tgt Ion:152 Resp: 14350
Ion Ratio Lower Upper
152 100
150 144.8 138.6 207.8
115 69.7 63.4 95.2

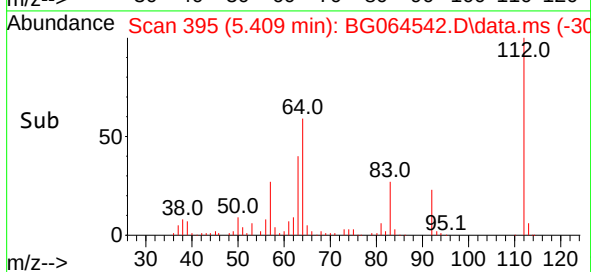
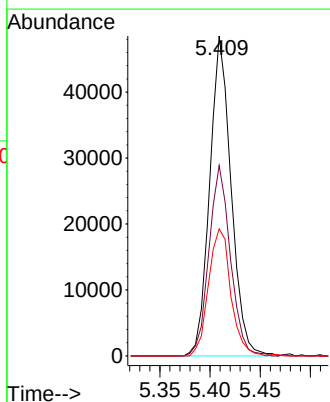
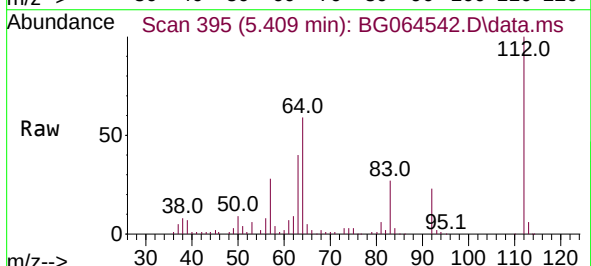
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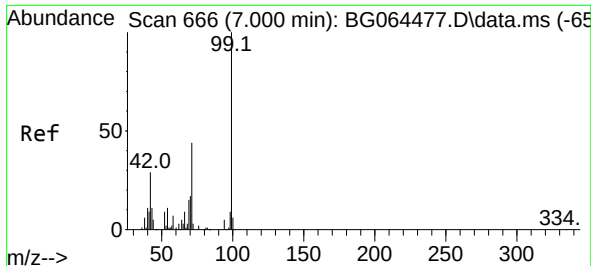
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#5
2-Fluorophenol
Concen: 92.739 ng
RT: 5.409 min Scan# 395
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

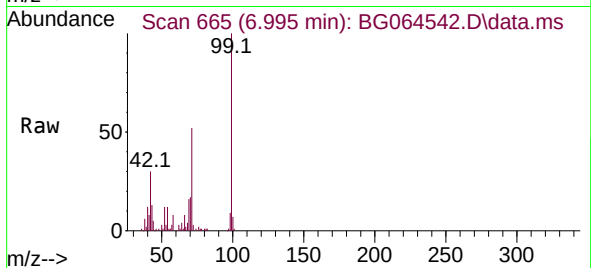
Tgt Ion:112 Resp: 71909
Ion Ratio Lower Upper
112 100
64 59.5 49.8 74.8
63 39.7 31.3 46.9





#7
Phenol-d6
Concen: 84.971 ng
RT: 6.995 min Scan# 60
Delta R.T. 0.009 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

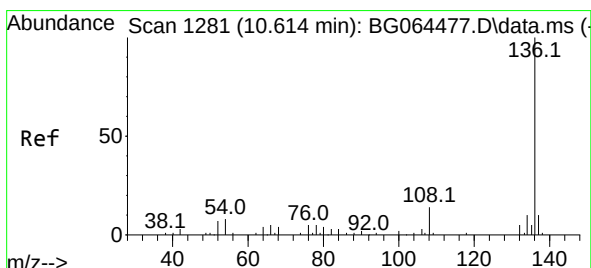
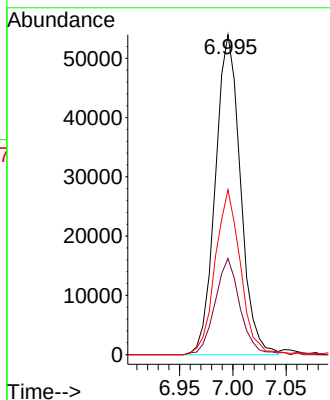
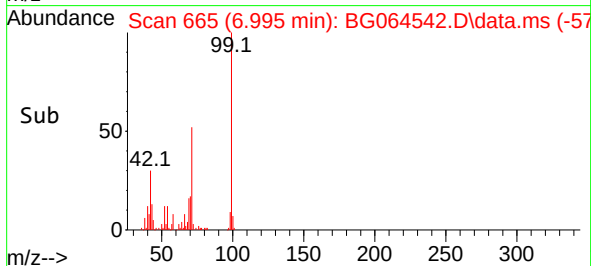
Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015



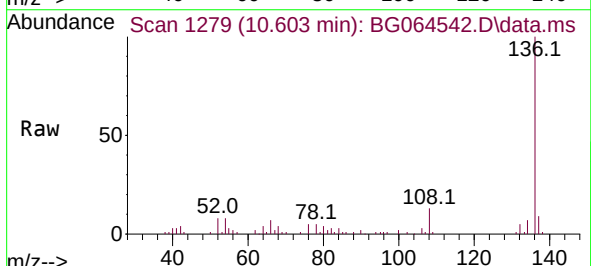
Tgt Ion: 99 Resp: 88539
Ion Ratio Lower Upper
99 100
42 30.0 22.9 34.3
71 51.5 35.4 53.2

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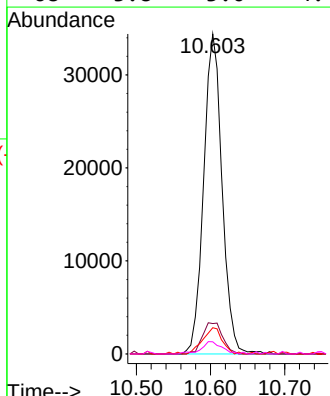
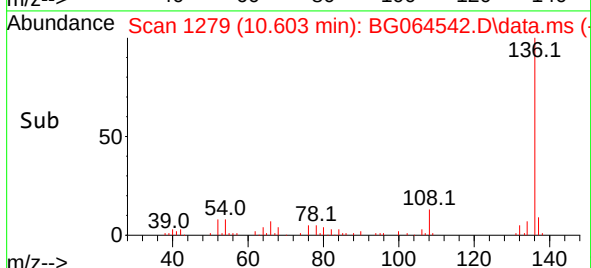
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

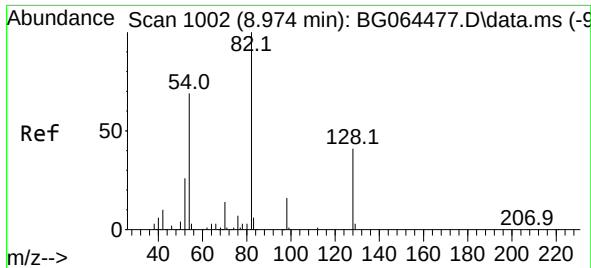


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.603 min Scan# 1279
Delta R.T. -0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12



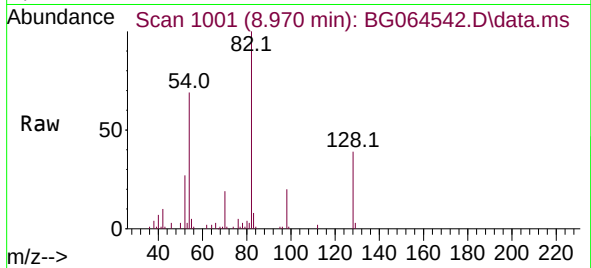
Tgt Ion:136 Resp: 59289
Ion Ratio Lower Upper
136 100
137 9.5 8.3 12.5
54 8.2 6.2 9.4
68 3.8 3.0 4.4





#23
Nitrobenzene-d5
Concen: 54.487 ng
RT: 8.970 min Scan# 1001
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

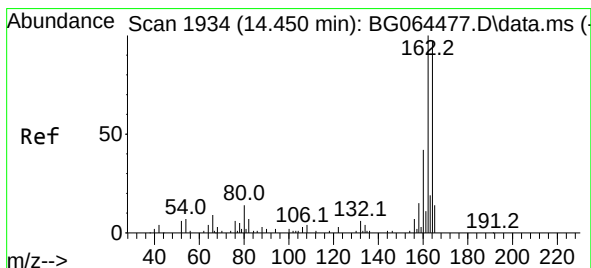
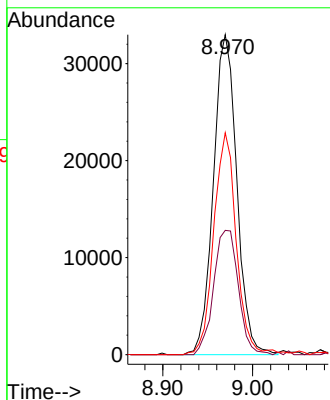
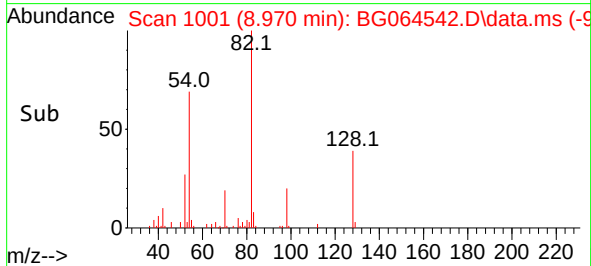
Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015



Tgt Ion: 82 Resp: 60080
Ion Ratio Lower Upper
82 100
128 38.8 33.1 49.7
54 69.3 55.4 83.2

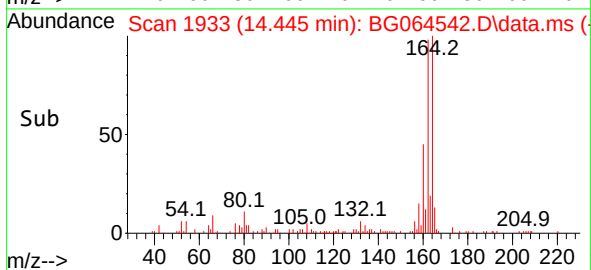
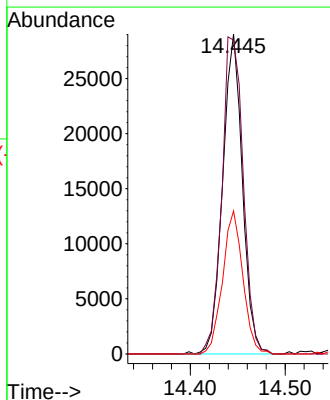
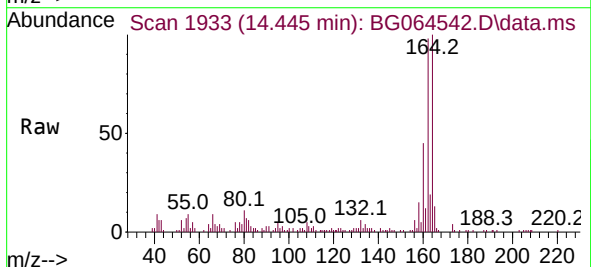
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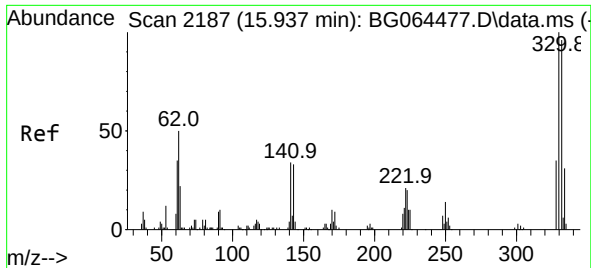
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1933
Delta R.T. -0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

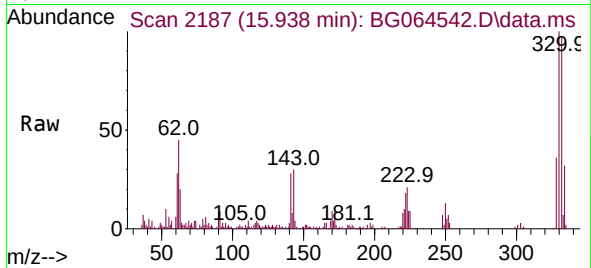
Tgt Ion:164 Resp: 41893
Ion Ratio Lower Upper
164 100
162 98.1 82.2 123.2
160 44.7 34.3 51.5





#42
2,4,6-Tribromophenol
Concen: 92.026 ng
RT: 15.938 min Scan# 2187
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

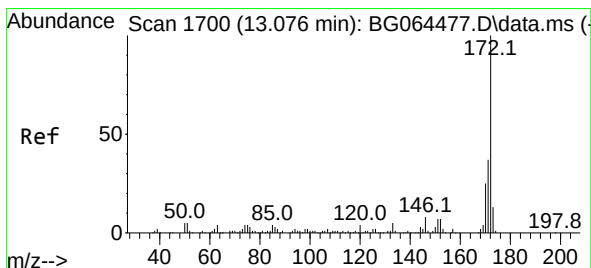
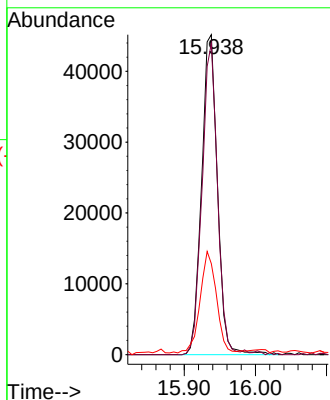
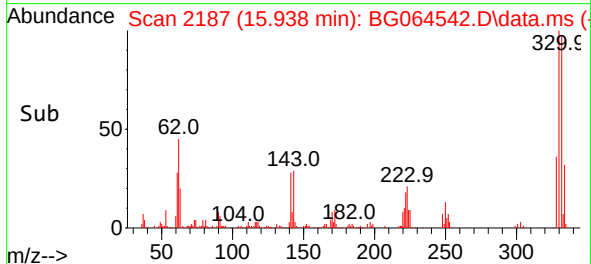
Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015



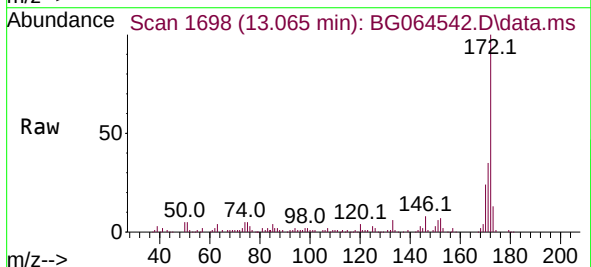
Tgt Ion: 330 Resp: 69882
Ion Ratio Lower Upper
330 100
332 94.3 77.4 116.0
141 32.4 25.8 38.6

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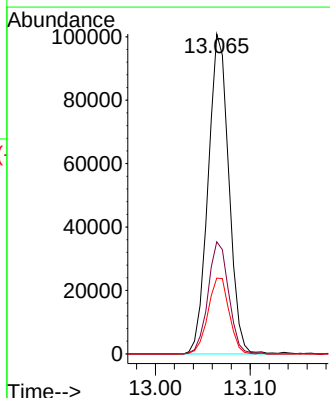
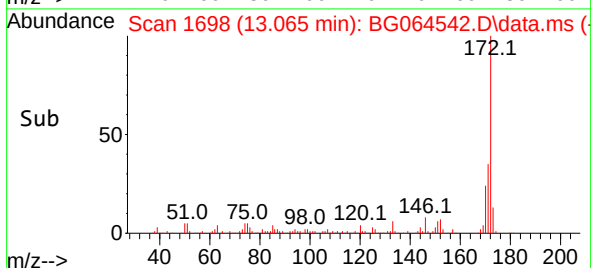
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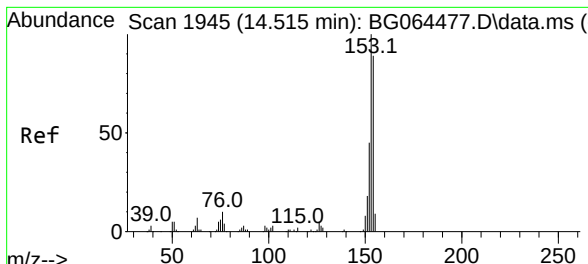


#45
2-Fluorobiphenyl
Concen: 53.791 ng
RT: 13.065 min Scan# 1698
Delta R.T. -0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12



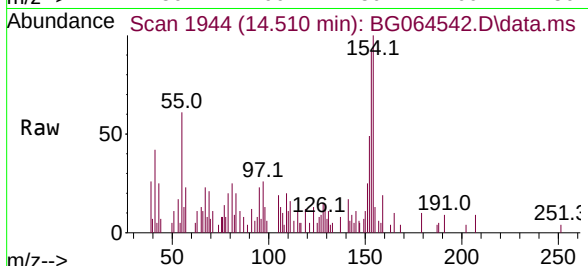
Tgt Ion: 172 Resp: 152882
Ion Ratio Lower Upper
172 100
171 35.0 29.6 44.4
170 23.7 20.2 30.2





#52
 Acenaphthene
 Concen: 2.496 ng
 RT: 14.510 min Scan# 1944
 Delta R.T. -0.003 min
 Lab File: BG064542.D
 Acq: 17 Oct 2025 19:12

Instrument : BNA_G
 ClientSampleId : PR132-SO1-039085-20251015

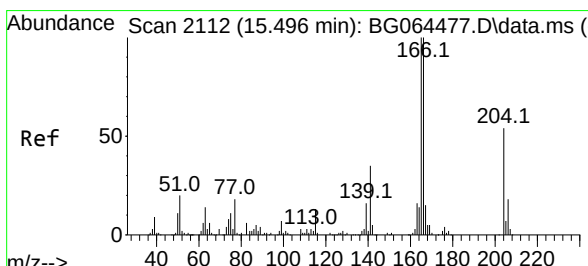
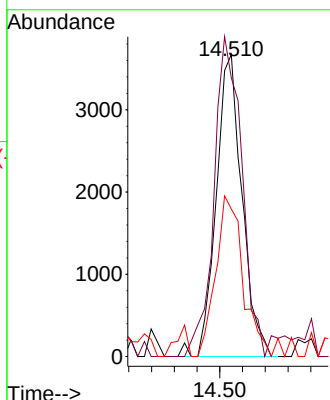
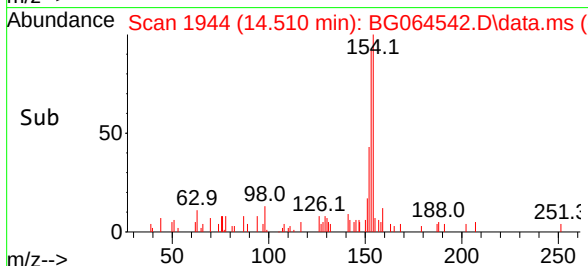


Tgt Ion:154 Resp: 5792

Ion	Ratio	Lower	Upper
154	100		
153	92.3	90.2	135.4
152	48.8	40.2	60.4

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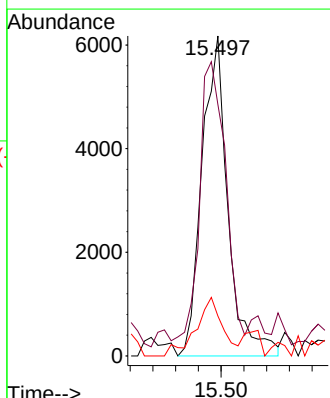
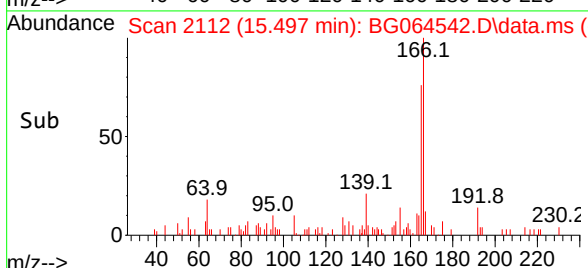
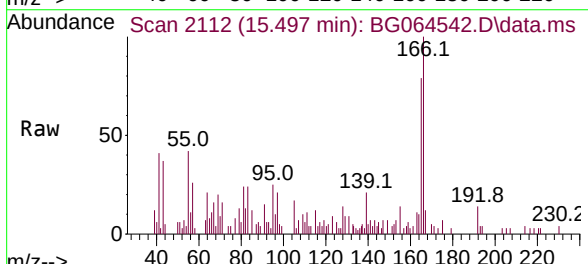
Reviewed By :Rahul Chavli 10/20/2025
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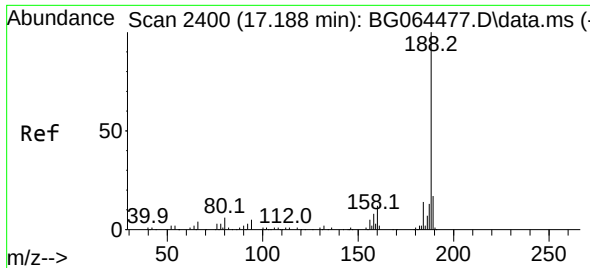


#58
 Fluorene
 Concen: 3.082 ng
 RT: 15.497 min Scan# 2112
 Delta R.T. 0.003 min
 Lab File: BG064542.D
 Acq: 17 Oct 2025 19:12

Tgt Ion:166 Resp: 9815

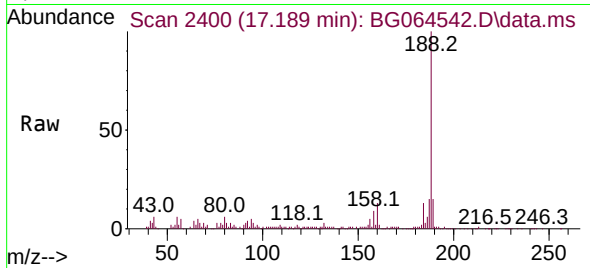
Ion	Ratio	Lower	Upper
166	100		
165	78.6	79.8	119.6#
167	12.5	11.7	17.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2400
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

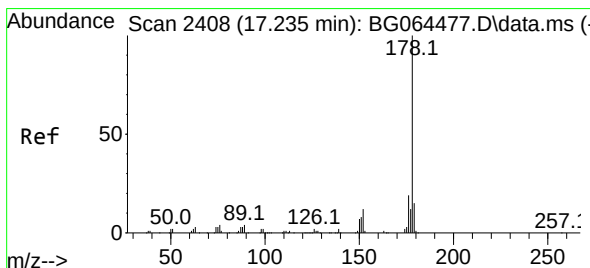
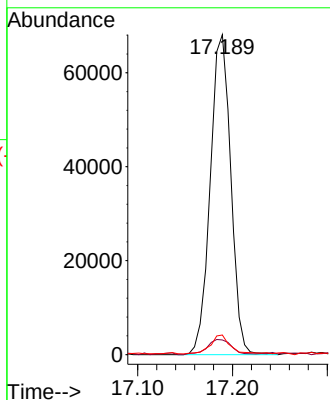
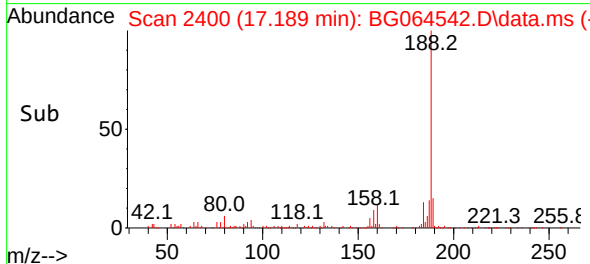
Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015



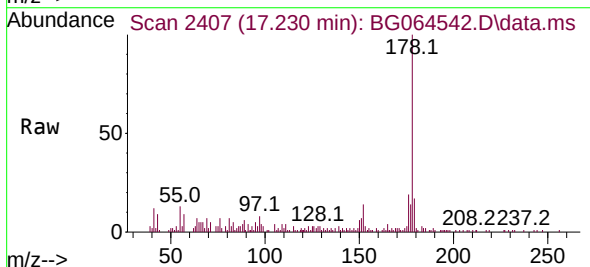
Tgt Ion:188 Resp: 102654
Ion Ratio Lower Upper
188 100
94 4.6 3.7 5.5
80 6.1 4.5 6.7

Manual Integrations
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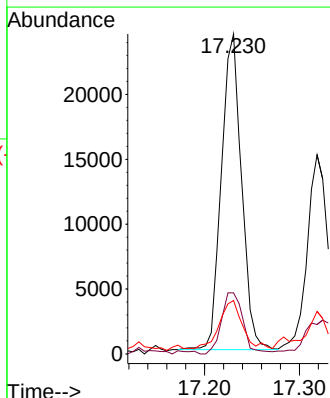
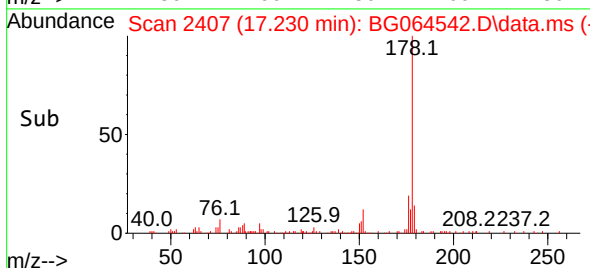
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

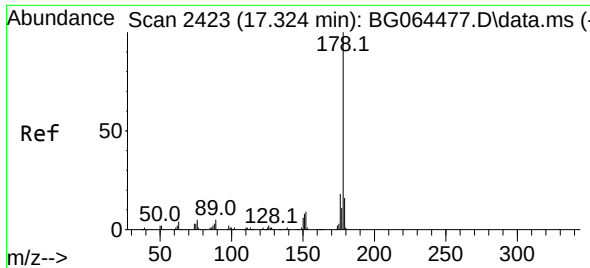


#71
Phenanthrene
Concen: 6.694 ng
RT: 17.230 min Scan# 2407
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12



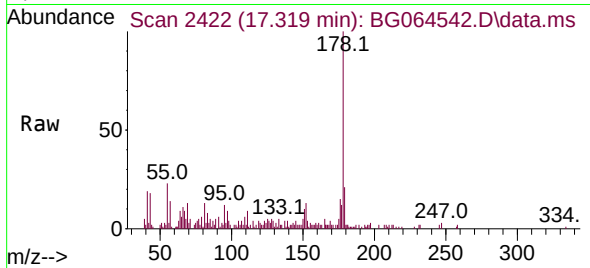
Tgt Ion:178 Resp: 35938
Ion Ratio Lower Upper
178 100
176 19.1 15.2 22.8
179 16.7 11.8 17.6





#72
 Anthracene
 Concen: 4.249 ng m
 RT: 17.319 min Scan# 2423
 Delta R.T. -0.003 min
 Lab File: BG064542.D
 Acq: 17 Oct 2025 19:12

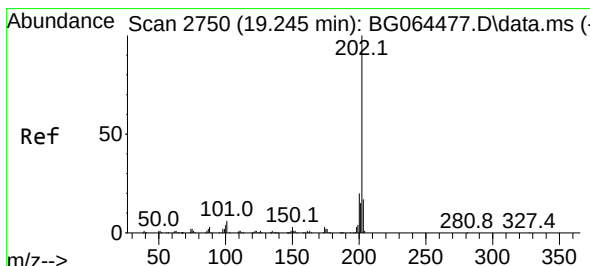
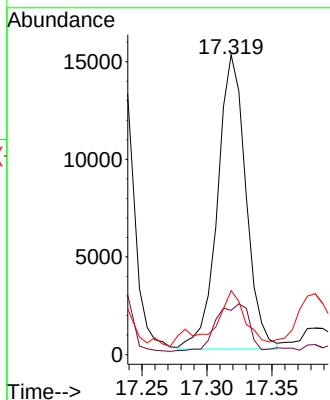
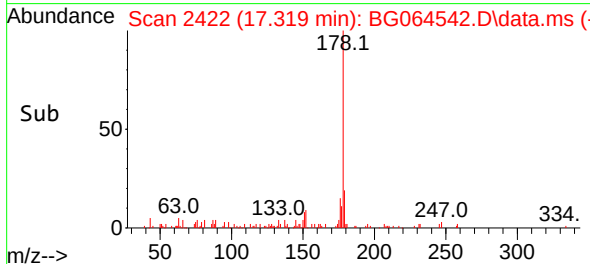
Instrument : BNA_G
 ClientSampleId : PR132-SO1-039085-20251015



Tgt Ion:178 Resp: 22884
 Ion Ratio Lower Upper
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 176 14.8 14.6 21.8
 179 21.3 12.5 18.7

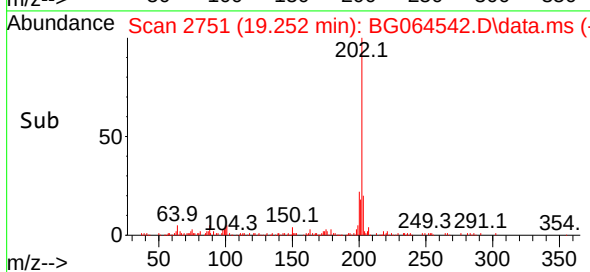
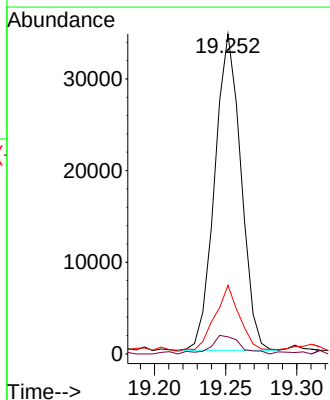
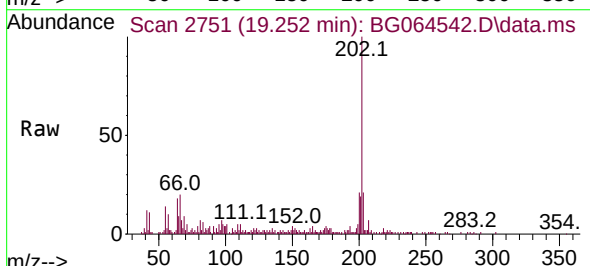
Manual Integrations
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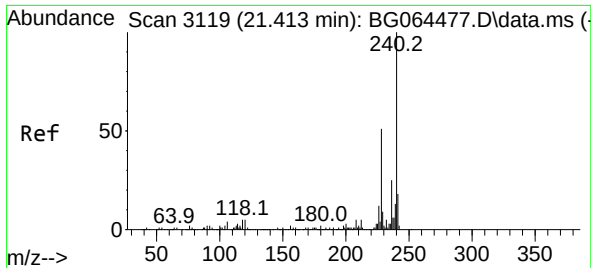
Reviewed By :Rahul Chavli 10/20/2025
 Supervised By :Jagrut Upadhyay 10/20/2025



#75
 Fluoranthene
 Concen: 6.929 ng
 RT: 19.252 min Scan# 2751
 Delta R.T. 0.015 min
 Lab File: BG064542.D
 Acq: 17 Oct 2025 19:12

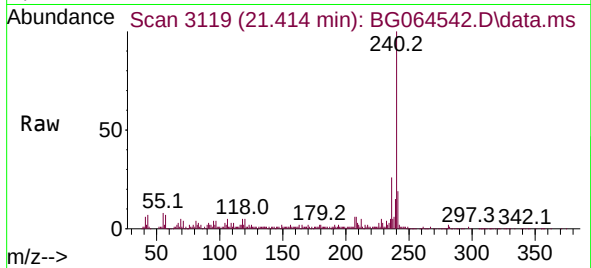
Tgt Ion:202 Resp: 44438
 Ion Ratio Lower Upper
 202 100
 101 5.3 0.0 25.7
 203 21.4 0.0 36.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.414 min Scan# 3119
Delta R.T. 0.004 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

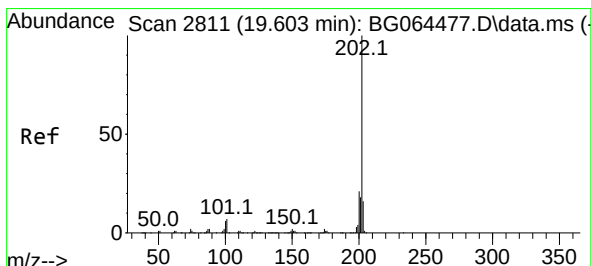
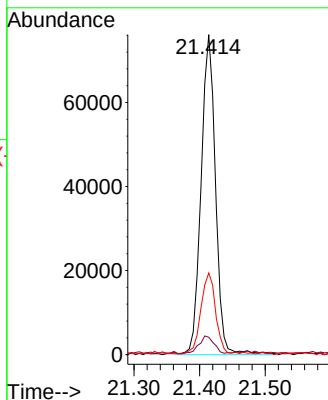
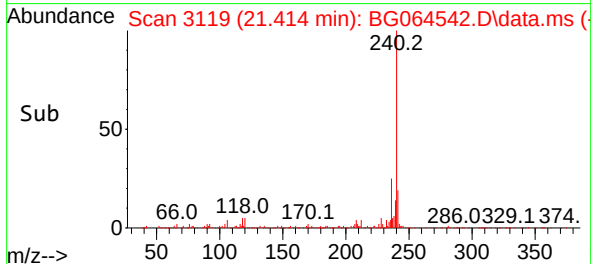
Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015



Tgt Ion:240 Resp: 115906
Ion Ratio Lower Upper
240 100
120 5.4 4.3 6.5
236 25.5 20.4 30.6

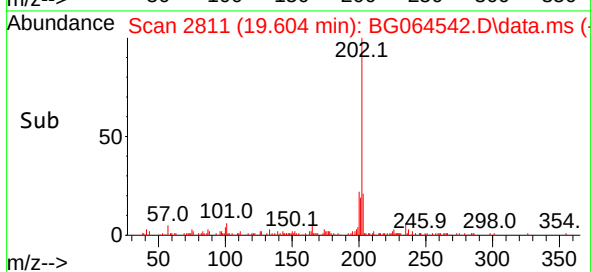
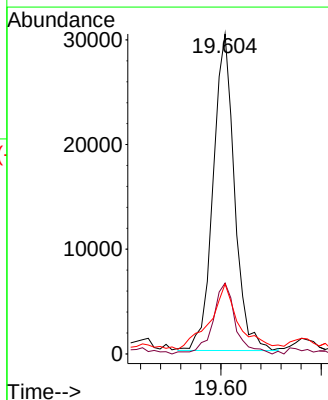
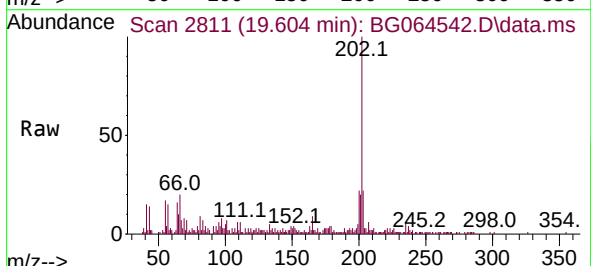
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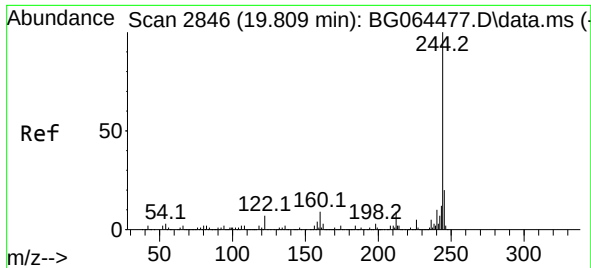
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#78
Pyrene
Concen: 5.945 ng
RT: 19.604 min Scan# 2811
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

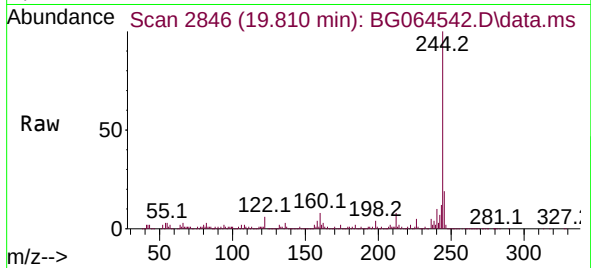
Tgt Ion:202 Resp: 44716
Ion Ratio Lower Upper
202 100
200 22.1 17.0 25.4
203 21.8 13.0 19.4





#79
 Terphenyl-d14
 Concen: 51.893 ng
 RT: 19.810 min Scan# 2846
 Delta R.T. 0.003 min
 Lab File: BG064542.D
 Acq: 17 Oct 2025 19:12

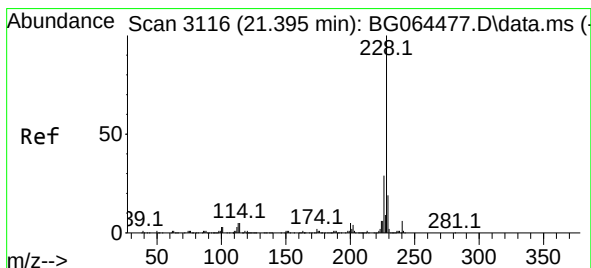
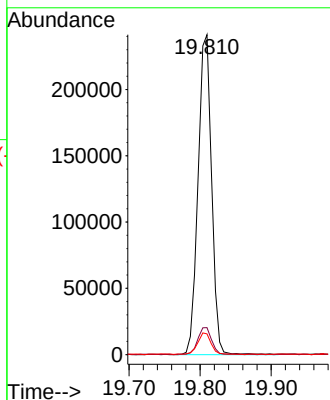
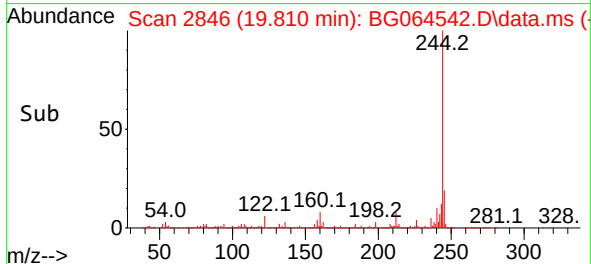
Instrument :
 BNA_G
 ClientSampleId :
 PR132-SO1-039085-20251015



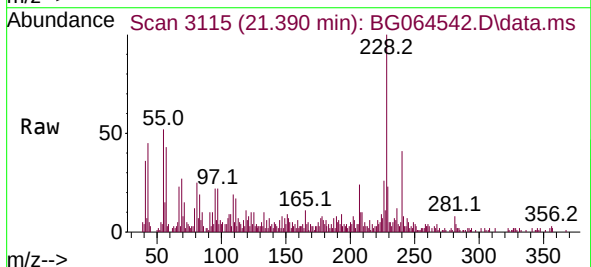
Tgt Ion:244 Resp: 317816
 Ion Ratio Lower Upper
 244 100
 212 8.4 7.0 10.6
 122 6.5 5.6 8.4

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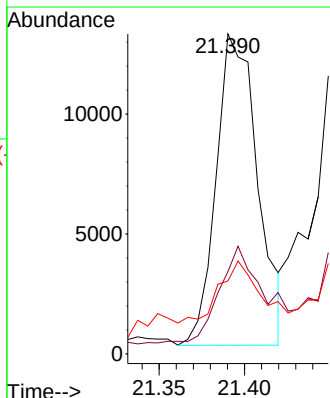
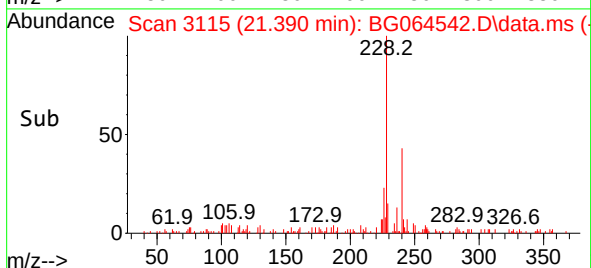
Reviewed By :Rahul Chavli 10/20/2025
 Supervised By :Jagrut Upadhyay 10/20/2025

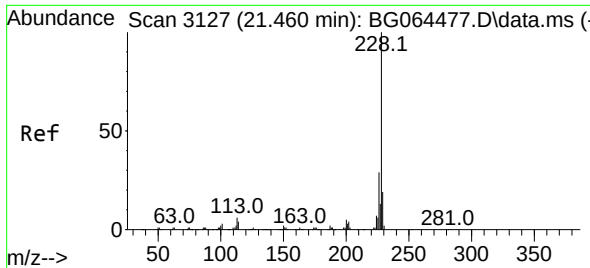


#81
 Benzo(a)anthracene
 Concen: 2.971 ng
 RT: 21.390 min Scan# 3115
 Delta R.T. -0.003 min
 Lab File: BG064542.D
 Acq: 17 Oct 2025 19:12



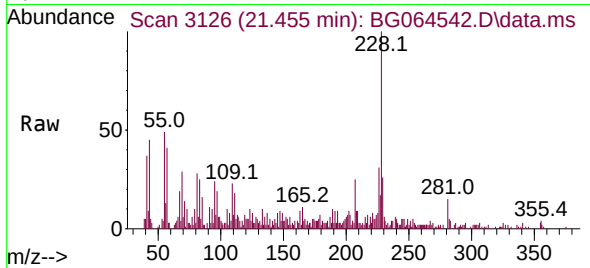
Tgt Ion:228 Resp: 21984
 Ion Ratio Lower Upper
 228 100
 226 25.7 22.8 34.2
 229 22.8 15.2 22.8





#83
Chrysene
Concen: 3.494 ng m
RT: 21.455 min Scan# 3127
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

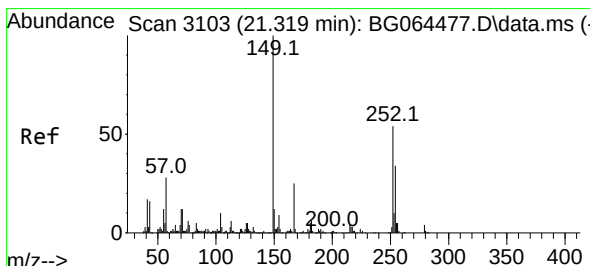
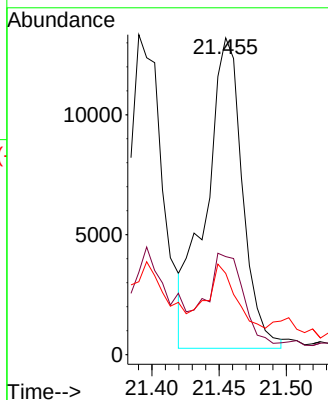
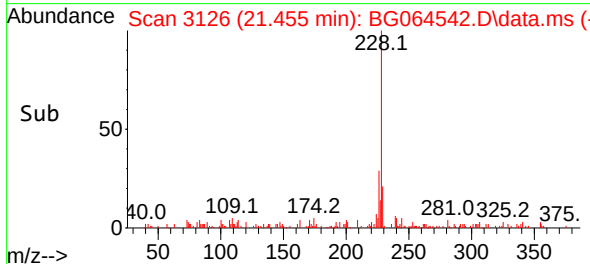
Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015



Tgt Ion:228 Resp: 24522
Ion Ratio Lower Upper
228 100
226 30.9 22.8 34.2
229 25.6 15.4 23.0

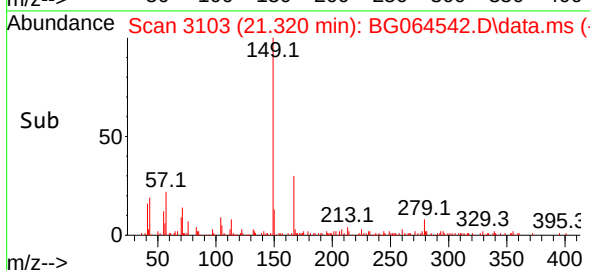
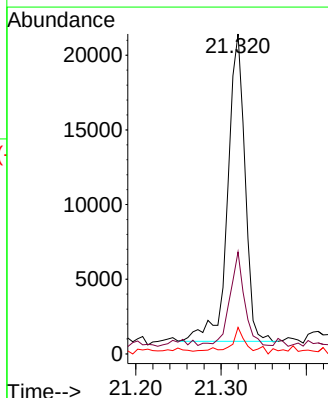
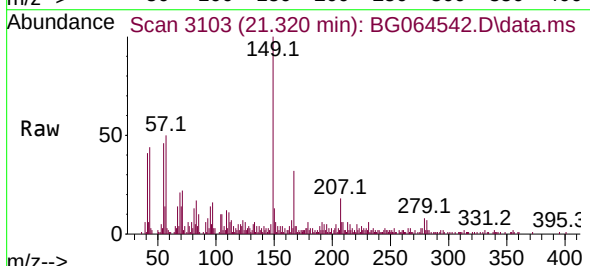
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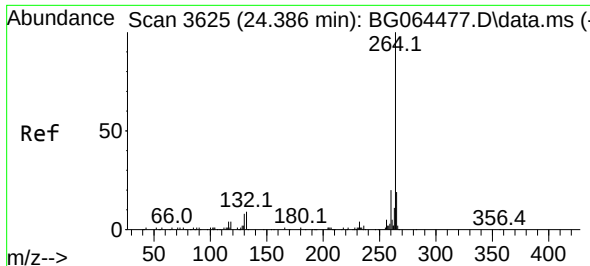
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 7.692 ng
RT: 21.320 min Scan# 3103
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

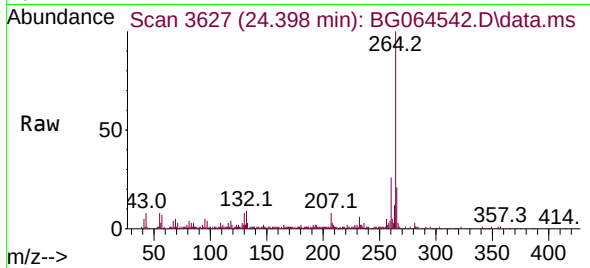
Tgt Ion:149 Resp: 28940
Ion Ratio Lower Upper
149 100
167 31.9 19.7 29.5#
279 8.3 3.4 5.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.398 min Scan# 3625
Delta R.T. 0.009 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

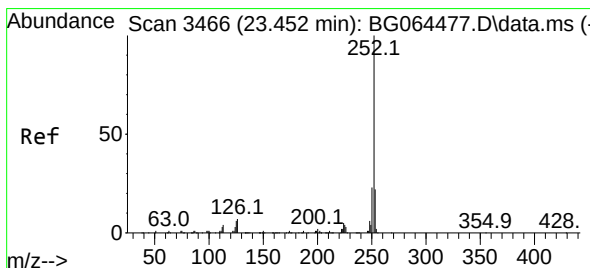
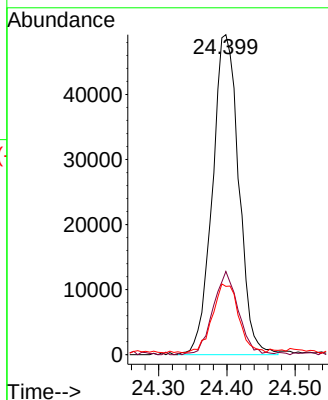
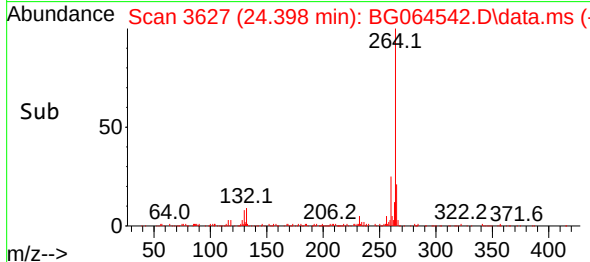
Instrument :
BNA_G
ClientSampleId :
PR132-SO1-039085-20251015



Tgt Ion:264 Resp: 131885
Ion Ratio Lower Upper
264 100
260 26.0 16.2 24.4#
265 21.3 15.0 22.4#

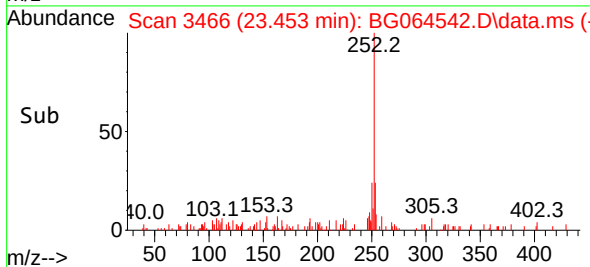
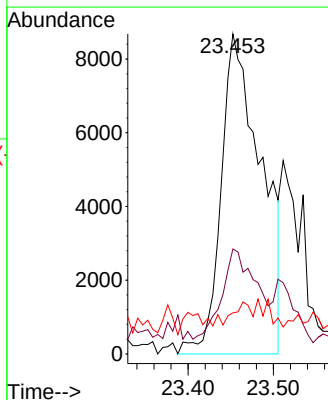
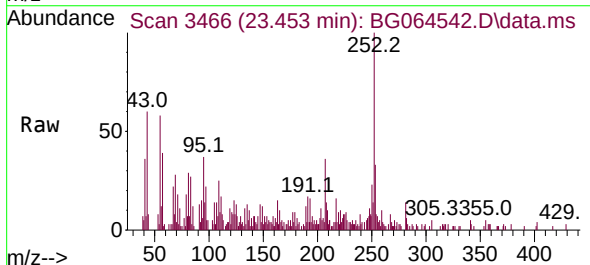
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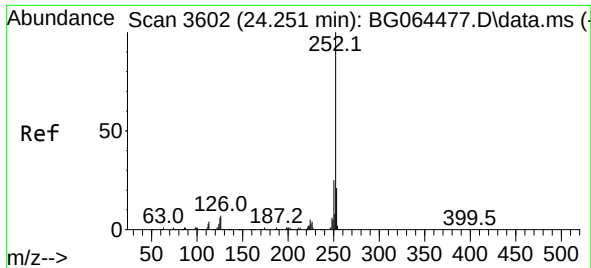
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#88
Benzo(b)fluoranthene
Concen: 3.773 ng
RT: 23.453 min Scan# 3466
Delta R.T. 0.003 min
Lab File: BG064542.D
Acq: 17 Oct 2025 19:12

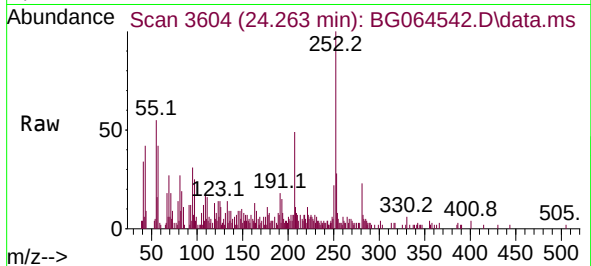
Tgt Ion:252 Resp: 28308
Ion Ratio Lower Upper
252 100
253 32.8 17.5 26.3#
125 12.8 4.5 6.7#





#90
 Benzo(a)pyrene
 Concen: 3.071 ng
 RT: 24.263 min Scan# 3604
 Delta R.T. 0.015 min
 Lab File: BG064542.D
 Acq: 17 Oct 2025 19:12

Instrument :
 BNA_G
 ClientSampleId :
 PR132-SO1-039085-20251015



Tgt Ion:252 Resp: 21239

Ion	Ratio	Lower	Upper
252	100		
253	28.0	17.1	25.7
125	14.2	4.6	6.8

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Reviewed By :Rahul Chavli 10/20/2025
 Supervised By :Jagrut Upadhyay 10/20/2025

