

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
 Data File : BG064537.D
 Acq On : 17 Oct 2025 15:48
 Operator : RC/JU
 Sample : Q3363-01
 Misc : 8270/625.1 SPIKE
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR132-SO1-085011-20251015

Quant Time: Oct 17 16:23:58 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	7.817	152	15692	20.000	ng	# 0.00
21) Naphthalene-d8	10.602	136	62273	20.000	ng	# 0.00
39) Acenaphthene-d10	14.444	164	44210	20.000	ng	0.00
64) Phenanthrene-d10	17.188	188	107542	20.000	ng	0.00
76) Chrysene-d12	21.413	240	122736	20.000	ng	0.00
86) Perylene-d12	24.391	264	135244	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	52795	62.265	ng	0.00
7) Phenol-d6	6.994	99	63162	55.432	ng	0.00
23) Nitrobenzene-d5	8.968	82	42502	36.699	ng	0.00
42) 2,4,6-Tribromophenol	15.937	330	51012	63.656	ng	0.00
45) 2-Fluorobiphenyl	13.064	172	99585	33.203	ng	0.00
79) Terphenyl-d14	19.803	244	210418	32.445	ng	0.00
Target Compounds						
71) Phenanthrene	17.229	178	18436	3.278	ng	Qvalue 95
75) Fluoranthene	19.239	202	37412	5.568	ng	95
78) Pyrene	19.603	202	40759	5.117	ng	97
81) Benzo(a)anthracene	21.395	228	28933m	3.692	ng	
83) Chrysene	21.454	228	29391	3.955	ng	93
88) Benzo(b)fluoranthene	23.457	252	29707	3.861	ng	# 96
90) Benzo(a)pyrene	24.256	252	29136	4.109	ng	# 95
92) Benzo(g,h,i)perylene	28.792	276	18887	2.582	ng	# 83

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

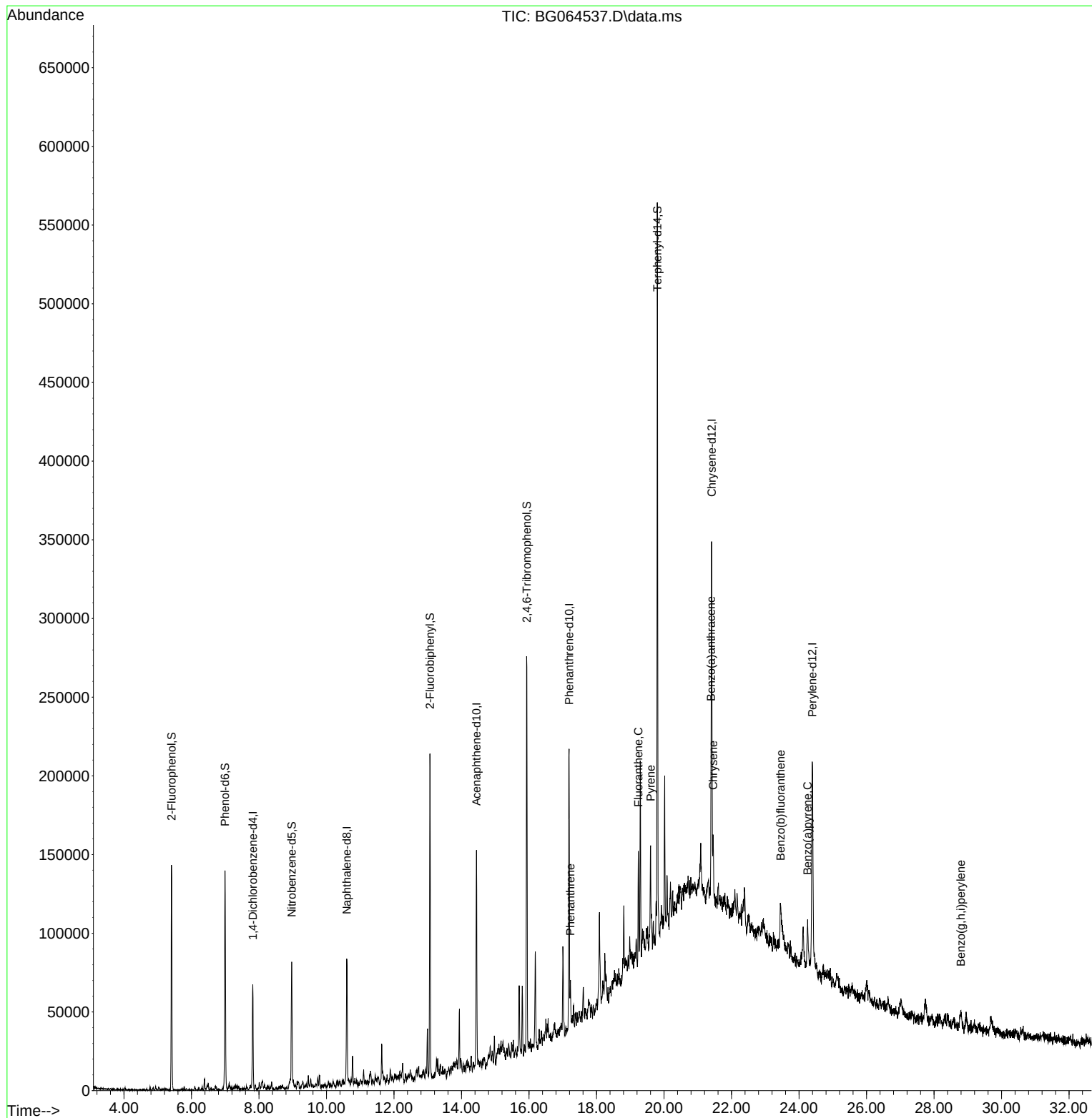
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064537.D
Acq On : 17 Oct 2025 15:48
Operator : RC/JU
Sample : Q3363-01
Misc : 8270/625.1 SPIKE
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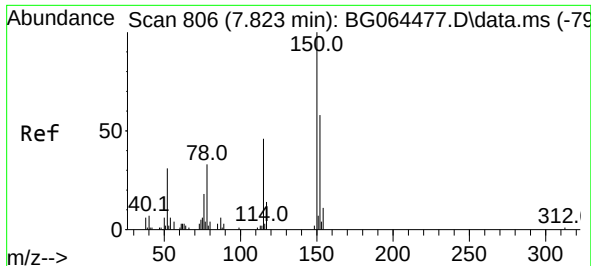
Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Quant Time: Oct 17 16:23:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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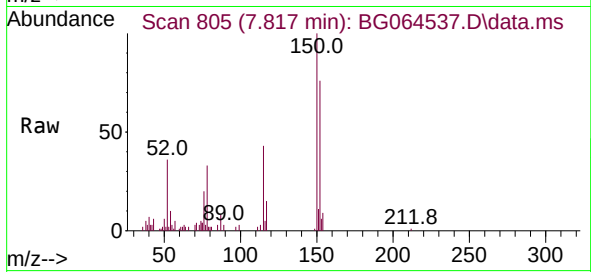
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.817 min Scan# 806
Delta R.T. -0.003 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

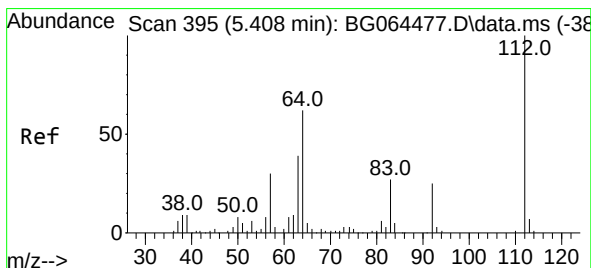
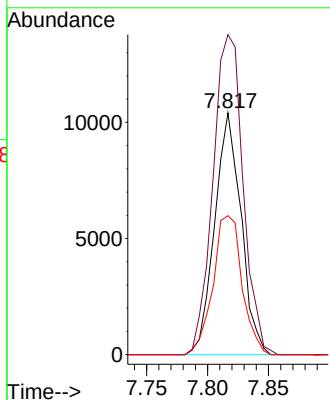
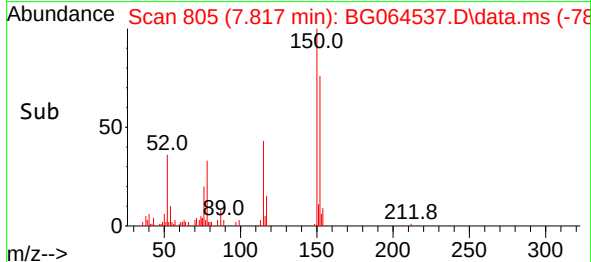
Instrument : BNA_G
ClientSampleId : PR132-SO1-085011-20251015



Tgt Ion:152 Resp: 15692
Ion Ratio Lower Upper
152 100
150 132.4 138.6 207.8
115 57.5 63.4 95.2

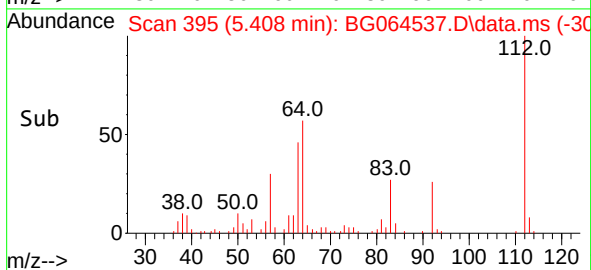
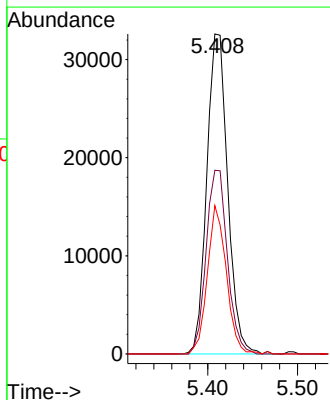
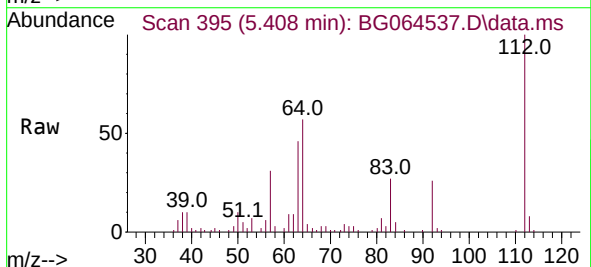
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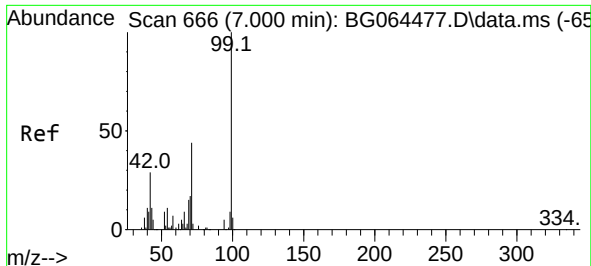
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#5
2-Fluorophenol
Concen: 62.265 ng
RT: 5.408 min Scan# 395
Delta R.T. 0.002 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Tgt Ion:112 Resp: 52795
Ion Ratio Lower Upper
112 100
64 57.4 49.8 74.8
63 46.3 31.3 46.9





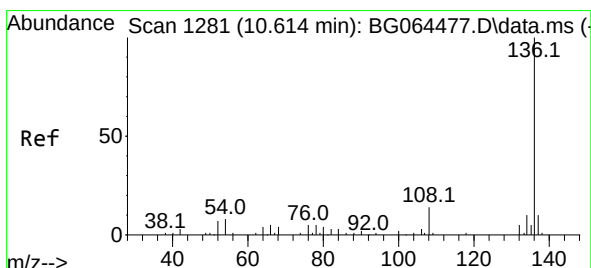
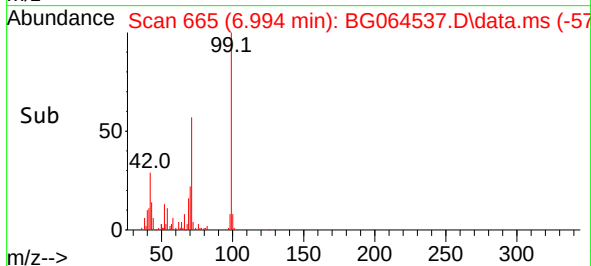
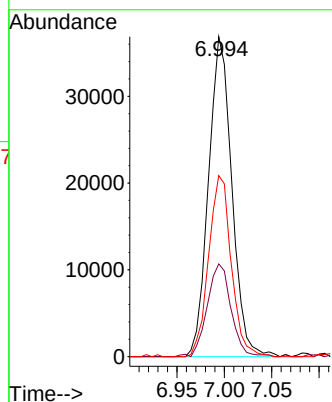
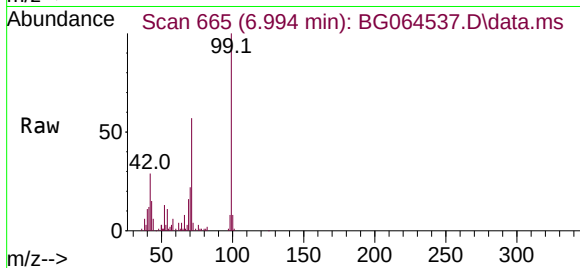
#7
Phenol-d6
Concen: 55.432 ng
RT: 6.994 min Scan# 60
Delta R.T. 0.008 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Tgt Ion: 99 Resp: 63162
Ion Ratio Lower Upper
99 100
42 29.0 22.9 34.3
71 56.6 35.4 53.2

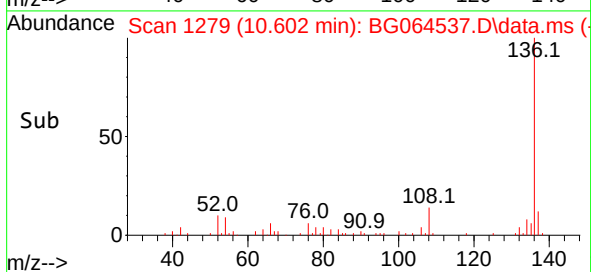
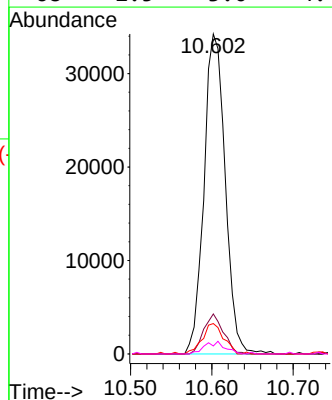
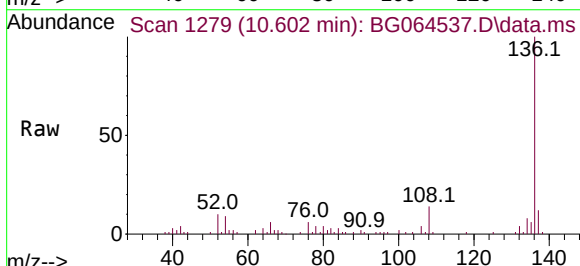
Manual Integrations
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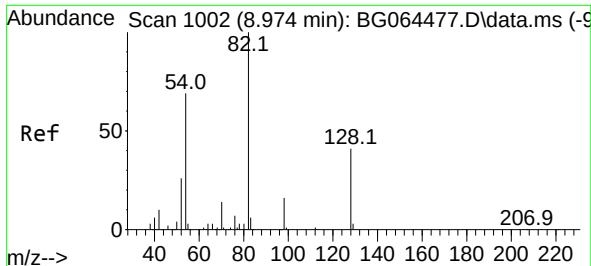
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.602 min Scan# 1279
Delta R.T. -0.004 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

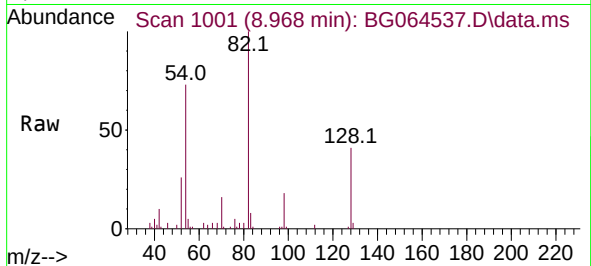
Tgt Ion:136 Resp: 62273
Ion Ratio Lower Upper
136 100
137 12.5 8.3 12.5#
54 9.5 6.2 9.4#
68 2.5 3.0 4.4#





#23
Nitrobenzene-d5
Concen: 36.699 ng
RT: 8.968 min Scan# 1001
Delta R.T. 0.002 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

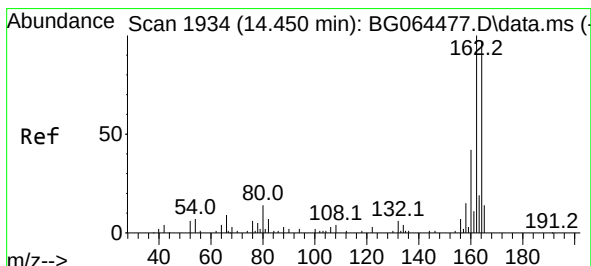
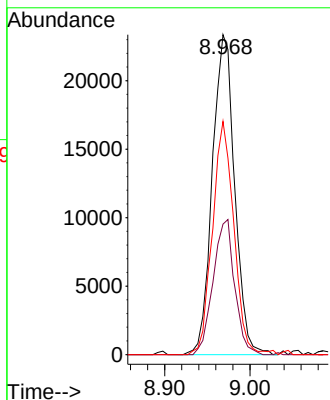
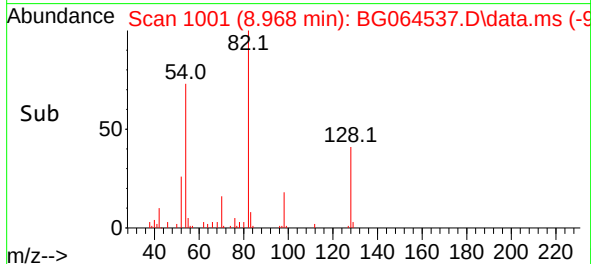
Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015



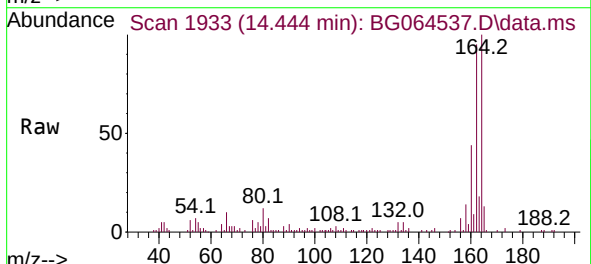
Tgt Ion: 82 Resp: 42502
Ion Ratio Lower Upper
82 100
128 40.8 33.1 49.7
54 72.9 55.4 83.2

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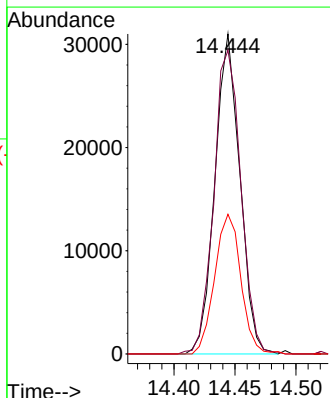
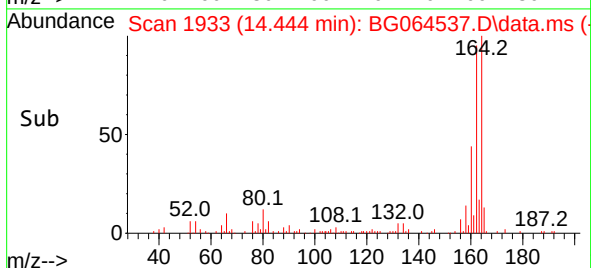
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

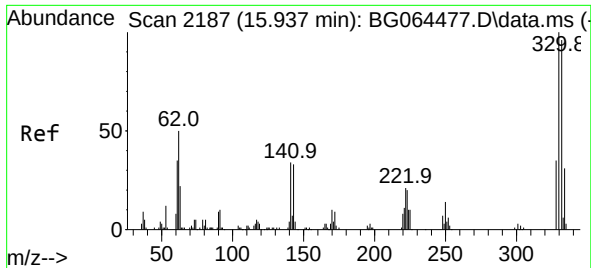


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.444 min Scan# 1933
Delta R.T. -0.004 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48



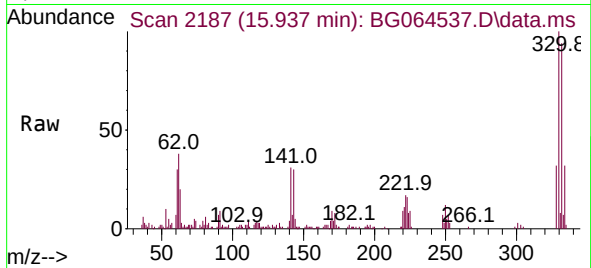
Tgt Ion:164 Resp: 44210
Ion Ratio Lower Upper
164 100
162 94.9 82.2 123.2
160 43.6 34.3 51.5





#42
2,4,6-Tribromophenol
Concen: 63.656 ng
RT: 15.937 min Scan# 2187
Delta R.T. 0.002 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

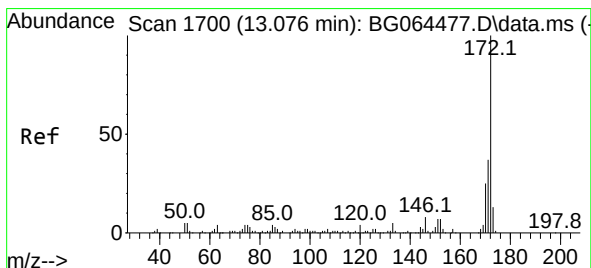
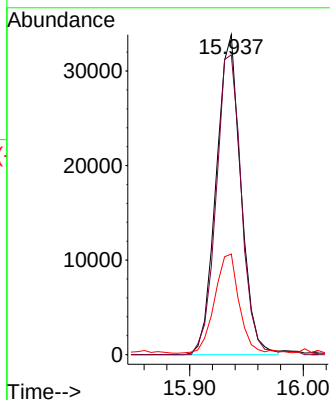
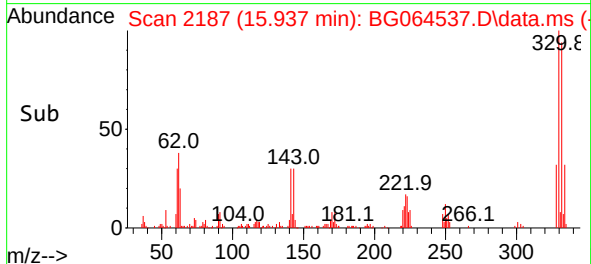
Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015



Tgt Ion: 330 Resp: 51012
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.0
141 32.1 25.8 38.6

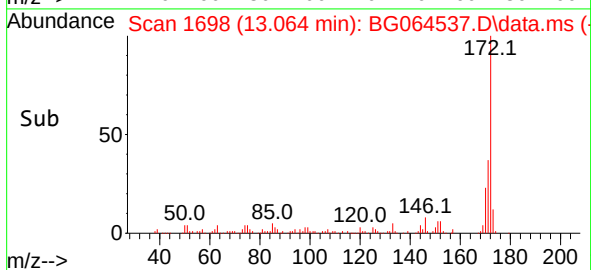
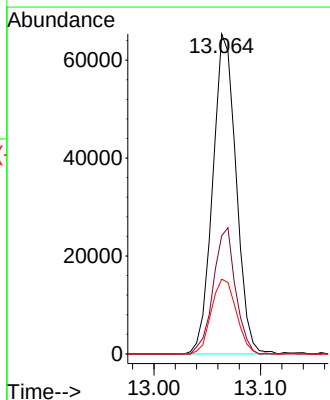
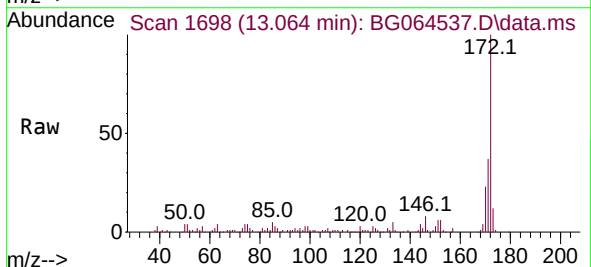
Manual Integrations
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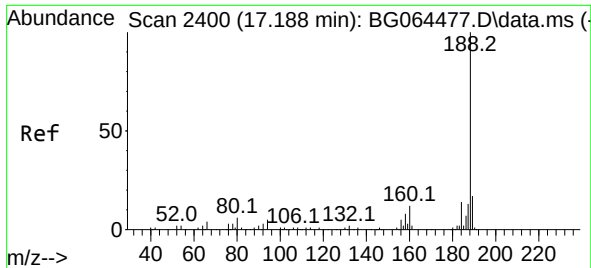
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#45
2-Fluorobiphenyl
Concen: 33.203 ng
RT: 13.064 min Scan# 1698
Delta R.T. -0.004 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Tgt Ion: 172 Resp: 99585
Ion Ratio Lower Upper
172 100
171 36.9 29.6 44.4
170 23.3 20.2 30.2





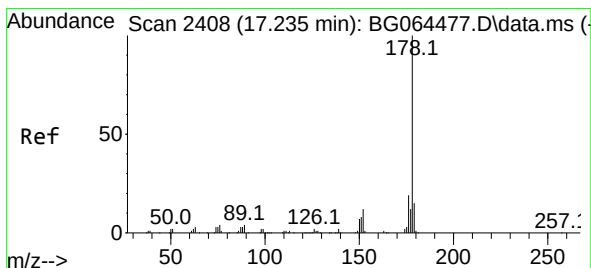
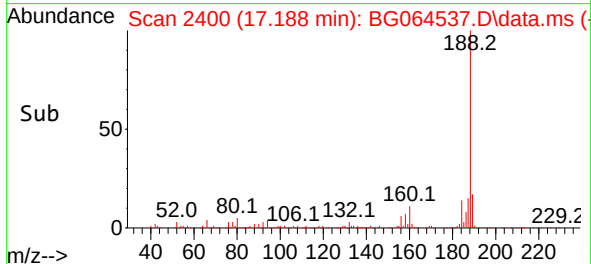
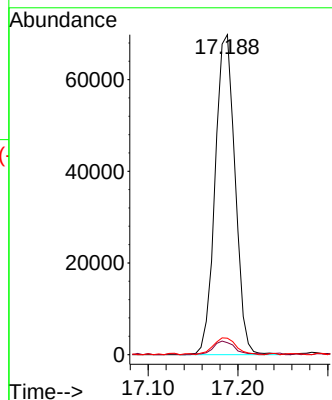
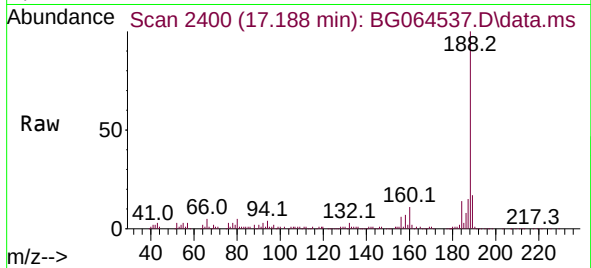
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.188 min Scan# 2400
Delta R.T. 0.002 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Tgt Ion:188 Resp: 107542
Ion Ratio Lower Upper
188 100
94 3.7 3.7 5.5
80 5.1 4.5 6.7

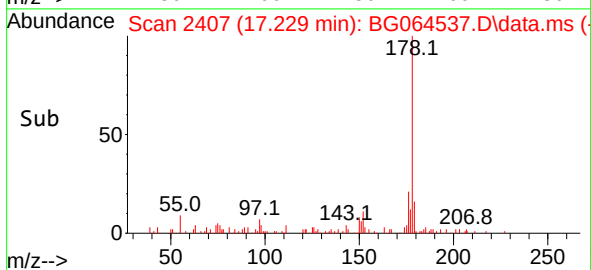
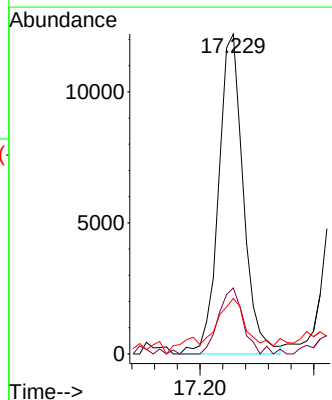
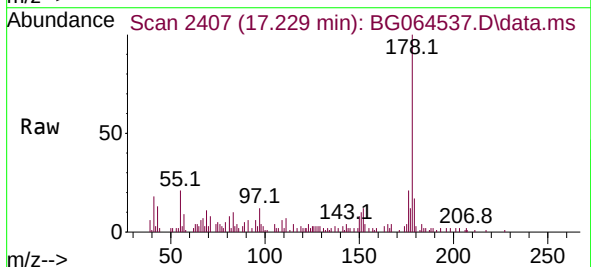
Manual Integrations
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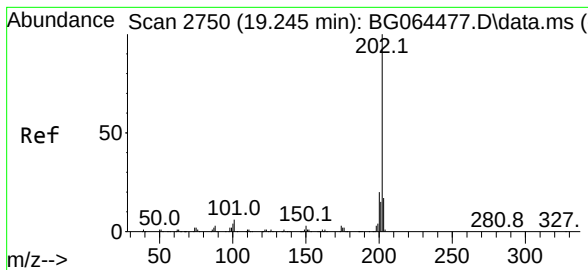
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#71
Phenanthrene
Concen: 3.278 ng
RT: 17.229 min Scan# 2407
Delta R.T. 0.002 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

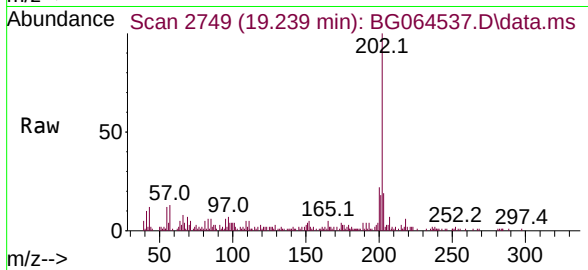
Tgt Ion:178 Resp: 18436
Ion Ratio Lower Upper
178 100
176 20.7 15.2 22.8
179 17.3 11.8 17.6





#75
Fluoranthene
Concen: 5.568 ng
RT: 19.239 min Scan# 2749
Delta R.T. 0.002 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

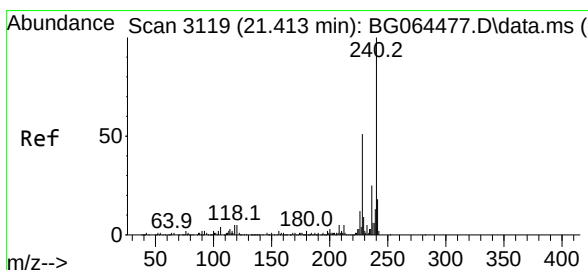
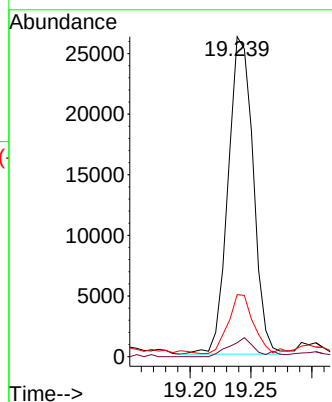
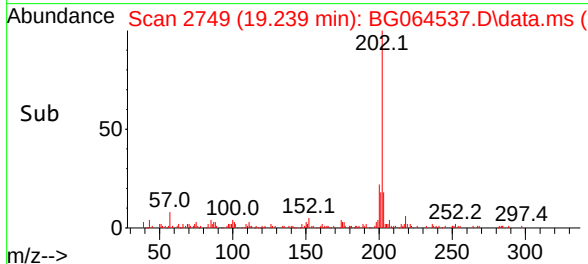
Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015



Tgt Ion:202 Resp: 37412
Ion Ratio Lower Upper
202 100
101 6.2 0.0 25.7
203 19.4 0.0 36.6

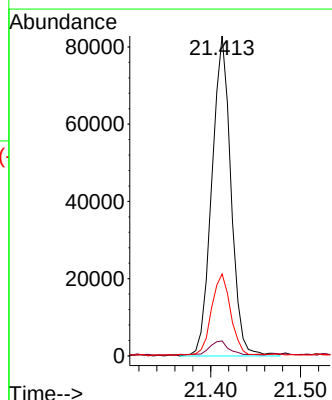
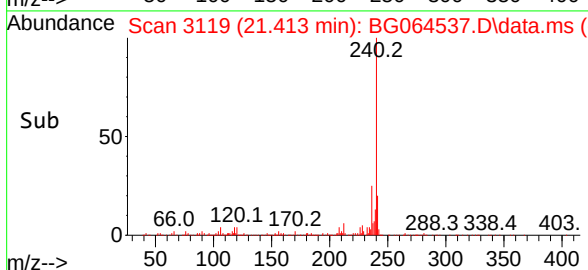
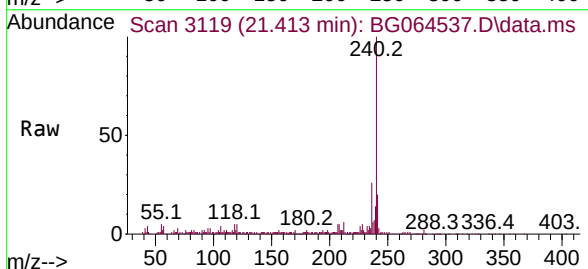
Manual Integrations
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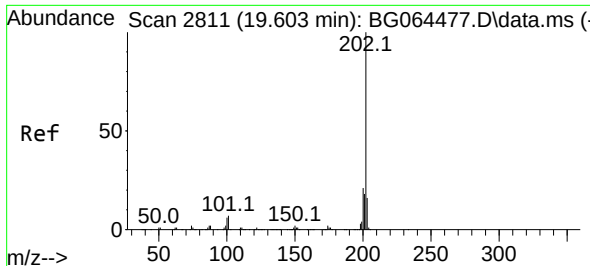
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.413 min Scan# 3119
Delta R.T. 0.003 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

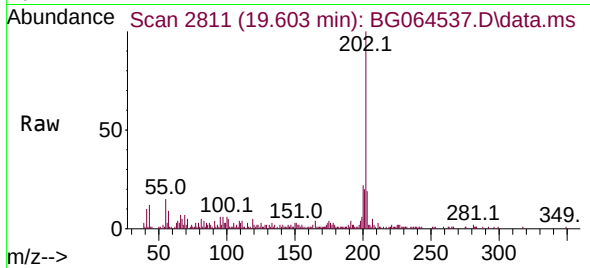
Tgt Ion:240 Resp: 122736
Ion Ratio Lower Upper
240 100
120 4.7 4.3 6.5
236 25.6 20.4 30.6





#78
 Pyrene
 Concen: 5.117 ng
 RT: 19.603 min Scan# 2811
 Delta R.T. 0.002 min
 Lab File: BG064537.D
 Acq: 17 Oct 2025 15:48

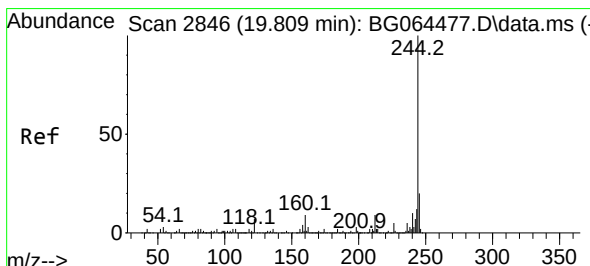
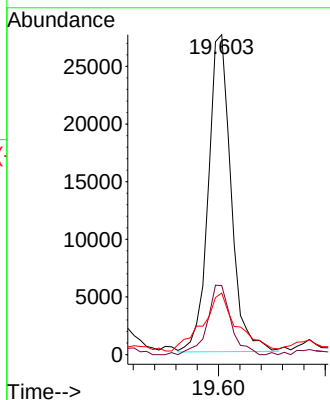
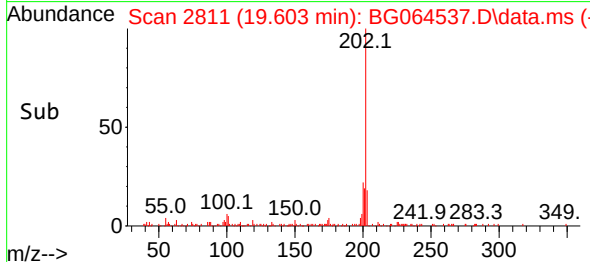
Instrument :
 BNA_G
 ClientSampleId :
 PR132-SO1-085011-20251015



Tgt Ion:	202	Resp:	40759
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.0	25.4
203	19.2	13.0	19.4

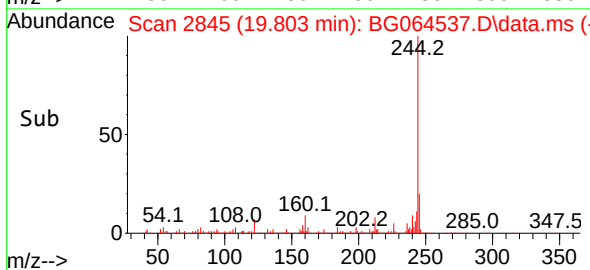
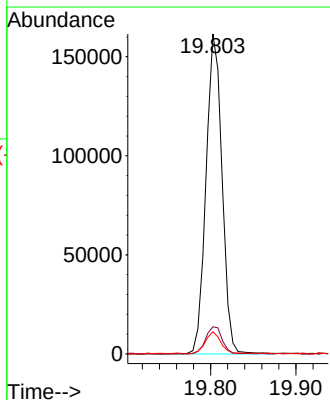
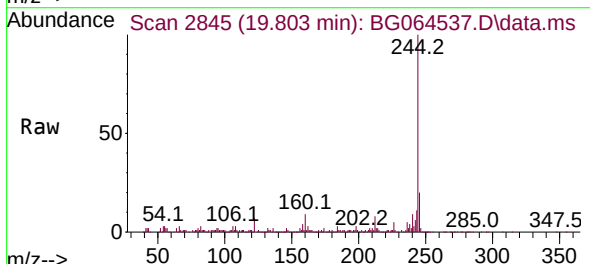
Manual Integrations
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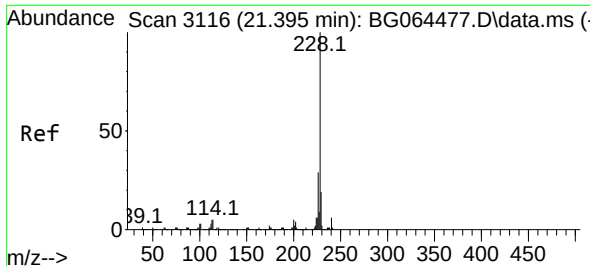
Reviewed By :Rahul Chavli 10/20/2025
 Supervised By :Jagrut Upadhyay 10/20/2025



#79
 Terphenyl-d14
 Concen: 32.445 ng
 RT: 19.803 min Scan# 2845
 Delta R.T. -0.004 min
 Lab File: BG064537.D
 Acq: 17 Oct 2025 15:48

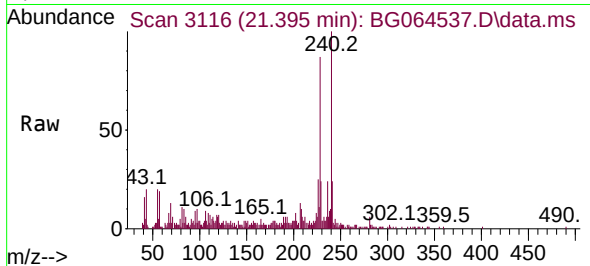
Tgt Ion:	244	Resp:	210418
Ion Ratio	Lower	Upper	
244	100		
212	8.5	7.0	10.6
122	6.9	5.6	8.4





#81
Benzo(a)anthracene
Concen: 3.692 ng m
RT: 21.395 min Scan# 3116
Delta R.T. 0.002 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

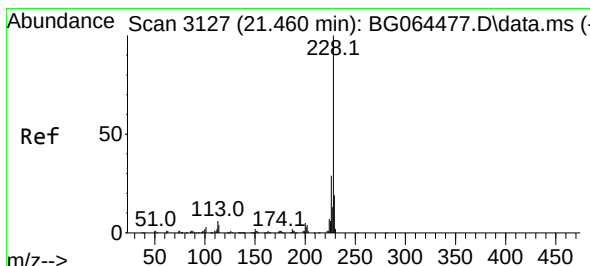
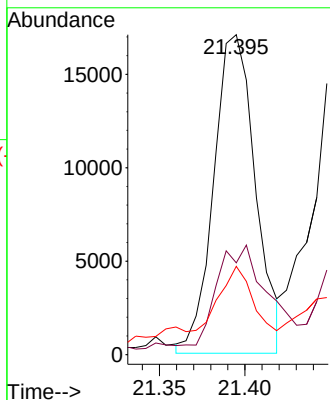
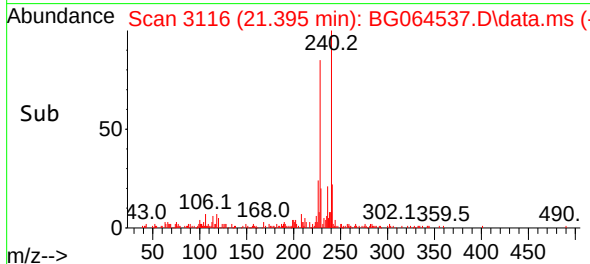
Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015



Tgt Ion:228 Resp: 28933
Ion Ratio Lower Upper
228 100
226 28.7 22.8 34.2
229 27.6 15.2 22.8

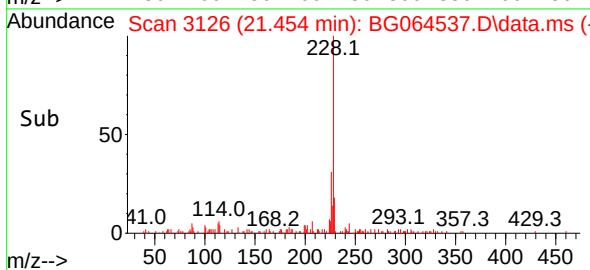
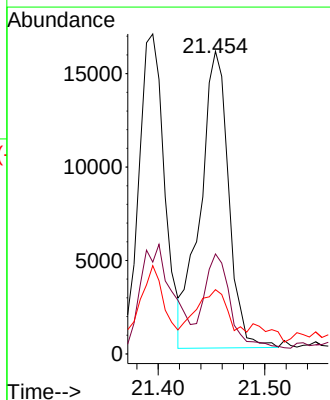
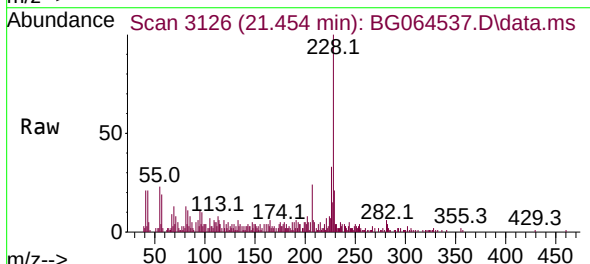
Manual Integrations
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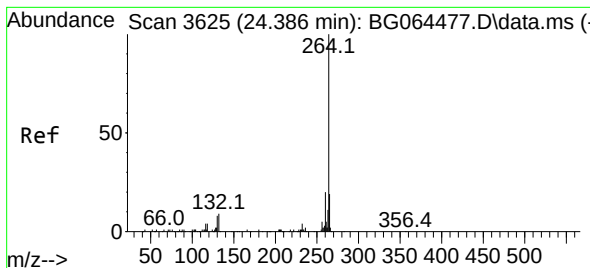
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#83
Chrysene
Concen: 3.955 ng
RT: 21.454 min Scan# 3126
Delta R.T. 0.002 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Tgt Ion:228 Resp: 29391
Ion Ratio Lower Upper
228 100
226 33.0 22.8 34.2
229 21.2 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.391 min Scan# 30

Delta R.T. 0.002 min

Lab File: BG064537.D

Acq: 17 Oct 2025 15:48

Instrument :

BNA_G

ClientSampleId :

PR132-SO1-085011-20251015

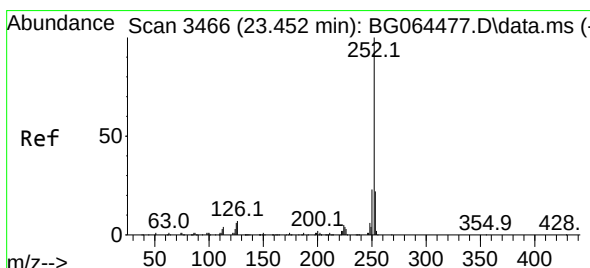
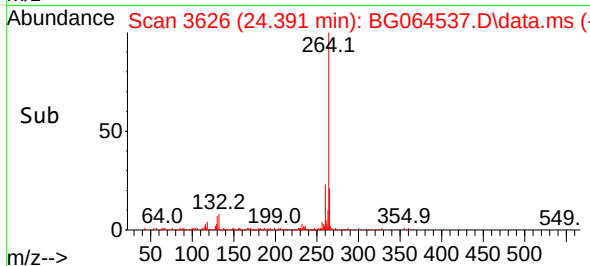
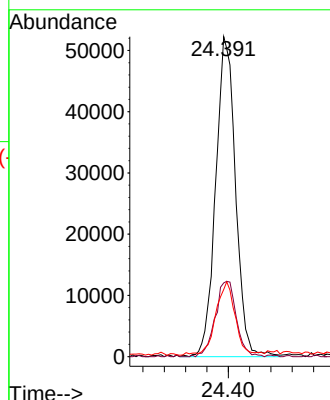
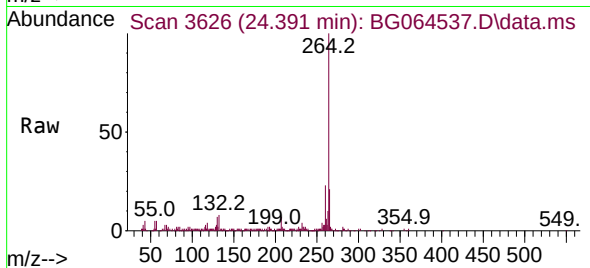
Tgt Ion:264	Resp: 135244
Ion Ratio	Lower Upper
264 100	
260 23.0	16.2 24.4
265 21.0	15.0 22.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/20/2025

Supervised By :Jagrut Upadhyay 10/20/2025



#88

Benzo(b)fluoranthene

Concen: 3.861 ng

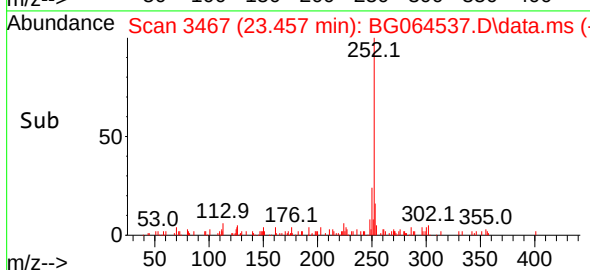
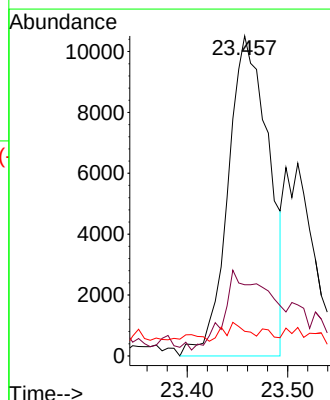
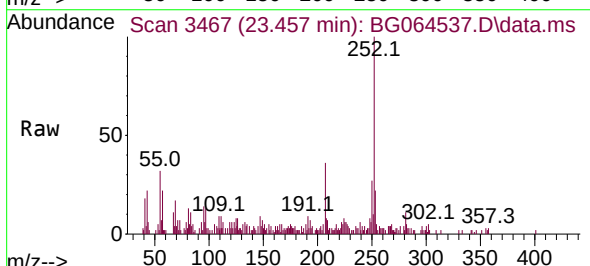
RT: 23.457 min Scan# 3467

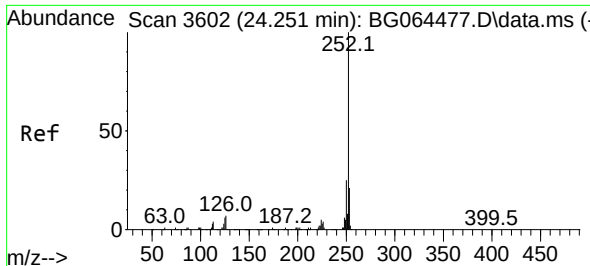
Delta R.T. 0.008 min

Lab File: BG064537.D

Acq: 17 Oct 2025 15:48

Tgt Ion:252	Resp: 29707
Ion Ratio	Lower Upper
252 100	
253 22.2	17.5 26.3
125 11.7	4.5 6.7#





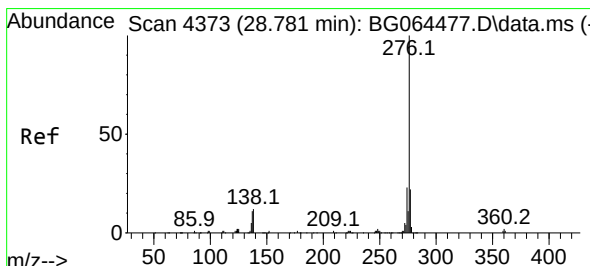
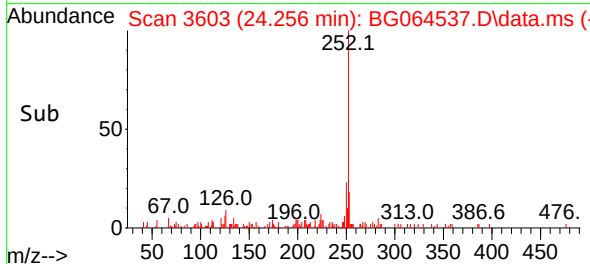
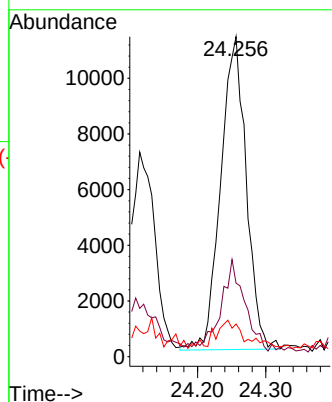
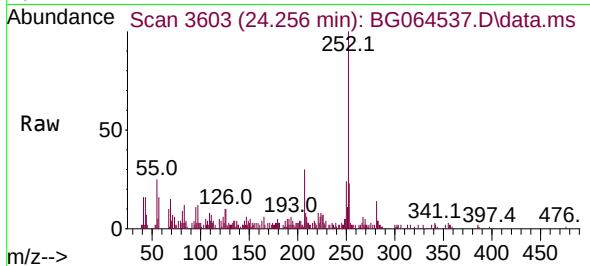
#90
Benzo(a)pyrene
Concen: 4.109 ng
RT: 24.256 min Scan# 3602
Delta R.T. 0.008 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Instrument :
BNA_G
ClientSampleId :
PR132-SO1-085011-20251015

Tgt Ion:252 Resp: 29136
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 10.2 4.6 6.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 2.582 ng
RT: 28.792 min Scan# 4375
Delta R.T. 0.026 min
Lab File: BG064537.D
Acq: 17 Oct 2025 15:48

Tgt Ion:276 Resp: 18887
Ion Ratio Lower Upper
276 100
277 20.3 17.8 26.6
138 27.2 9.4 14.0

