

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091025\
 Data File : BG064337.D
 Acq On : 10 Sep 2025 18:07
 Operator : RC/JU
 Sample : Q3048-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-258

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/11/2025
 Supervised By :Jagrut Upadhyay 09/11/2025

Quant Time: Sep 10 18:48:26 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	7.842	152	22908	20.000	ng	-0.02
21) Naphthalene-d8	10.627	136	92707	20.000	ng	#-0.02
39) Acenaphthene-d10	14.470	164	62743	20.000	ng	-0.01
64) Phenanthrene-d10	17.208	188	151015	20.000	ng	#-0.02
76) Chrysene-d12	21.438	240	183530	20.000	ng	#-0.02
86) Perylene-d12	24.440	264	211875	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.433	112	136795	107.134	ng	-0.01
7) Phenol-d6	7.014	99	187278	106.761	ng	-0.02
23) Nitrobenzene-d5	8.994	82	133463	80.288	ng	-0.02
42) 2,4,6-Tribromophenol	15.956	330	118682	142.808	ng	-0.02
45) 2-Fluorobiphenyl	13.089	172	311356	75.744	ng	-0.02
79) Terphenyl-d14	19.828	244	654521	74.405	ng	-0.02
Target Compounds						Qvalue
49) Acenaphthylene	14.188	152	20920	4.119	ng	# 90
70) Pentachlorophenol	16.861	266	28281	26.186	ng	91
71) Phenanthrene	17.249	178	51236	6.433	ng	95
72) Anthracene	17.343	178	43702	5.394	ng	96
75) Fluoranthene	19.264	202	300292	32.064	ng	96
78) Pyrene	19.622	202	361317	31.249	ng	100
81) Benzo(a)anthracene	21.420	228	264098	22.493	ng	95
83) Chrysene	21.479	228	278292	24.688	ng	98
84) Bis(2-ethylhexyl)phtha...	21.344	149	20117	3.072	ng	# 94
87) Indeno(1,2,3-cd)pyrene	27.813	276	176049	12.167	ng	# 79
88) Benzo(b)fluoranthene	23.500	252	392654	32.836	ng	98
89) Benzo(k)fluoranthene	23.553	252	140399m	11.525	ng	
90) Benzo(a)pyrene	24.299	252	281006m	25.262	ng	
91) Dibenzo(a,h)anthracene	27.854	278	53658m	4.619	ng	
92) Benzo(g,h,i)perylene	28.859	276	166060	14.690	ng	# 92

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

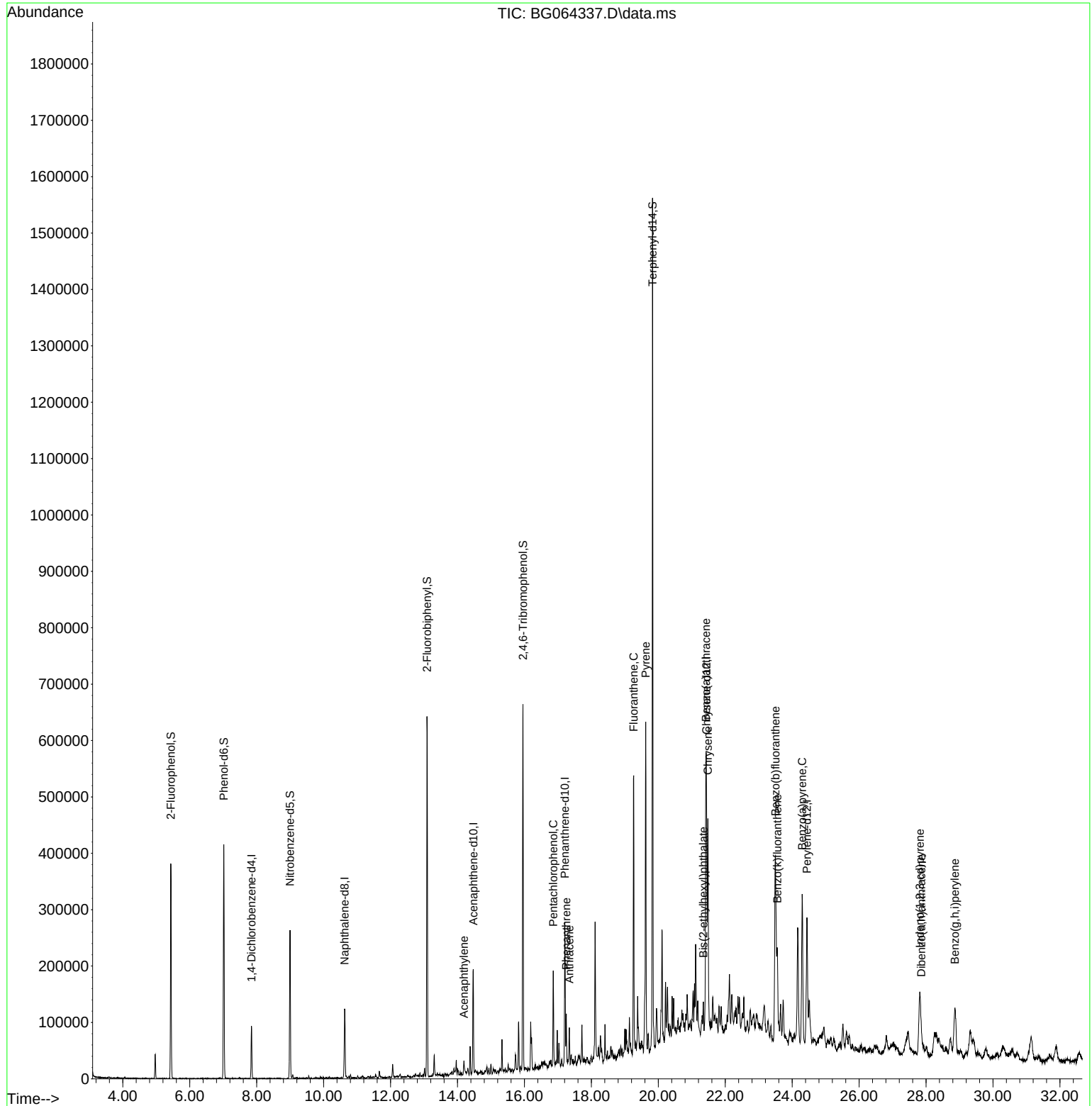
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091025\
Data File : BG064337.D
Acq On : 10 Sep 2025 18:07
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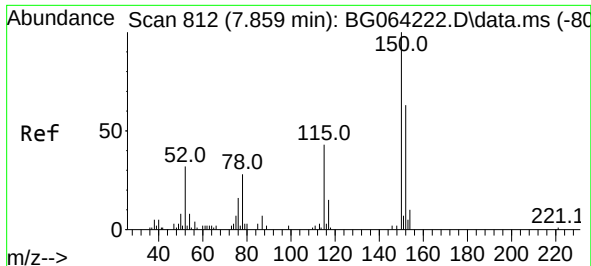
Instrument :
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Quant Time: Sep 10 18:48:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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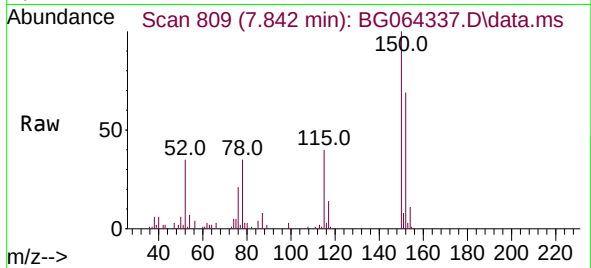
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.842 min Scan# 809
Delta R.T. -0.017 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

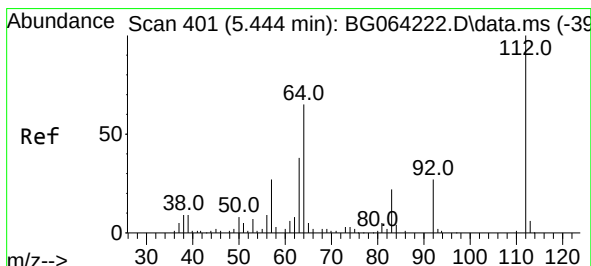
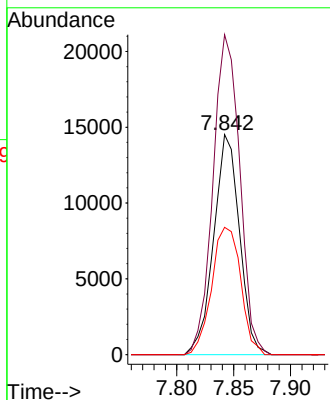
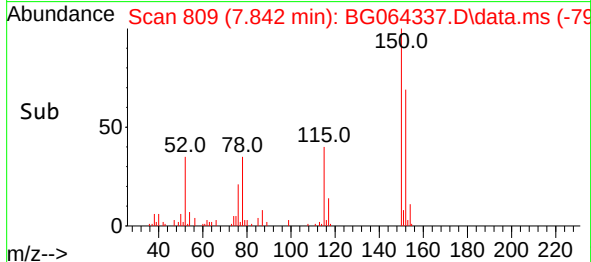
Instrument :
BNA_G
ClientSampleId :
VNJ-258



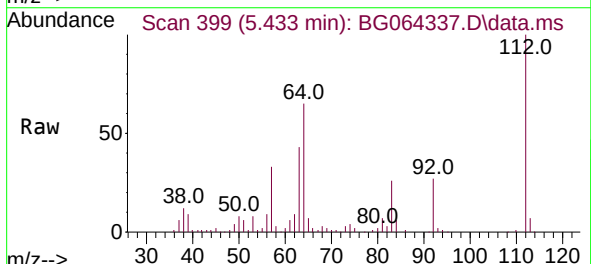
Tgt Ion:152 Resp: 22908
Ion Ratio Lower Upper
152 100
150 145.3 128.0 192.0
115 57.8 55.7 83.5

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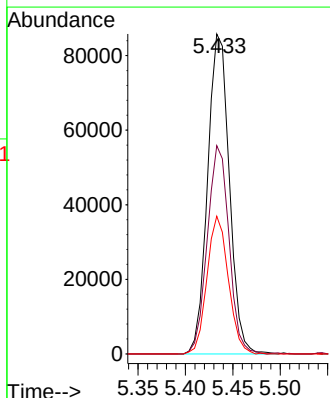
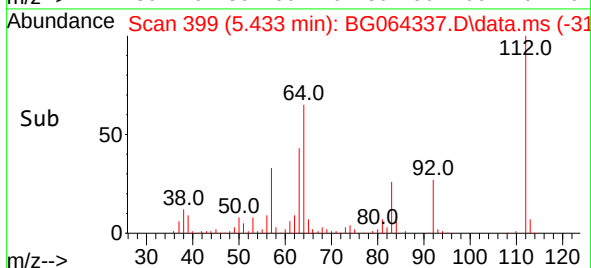
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

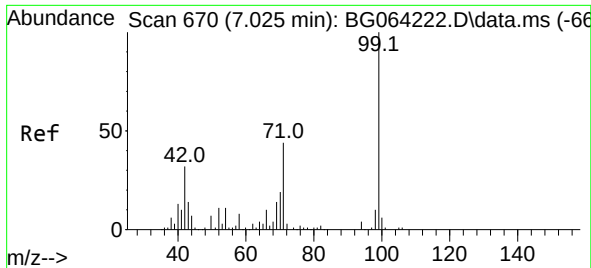


#5
2-Fluorophenol
Concen: 107.134 ng
RT: 5.433 min Scan# 399
Delta R.T. -0.011 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07



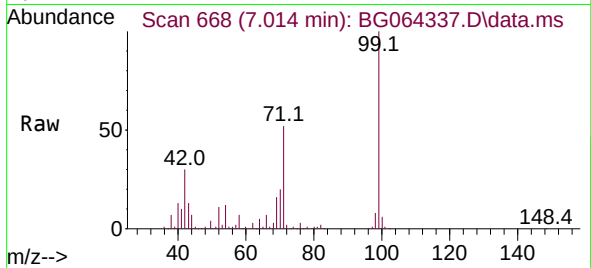
Tgt Ion:112 Resp: 136795
Ion Ratio Lower Upper
112 100
64 65.1 51.8 77.6
63 43.0 30.6 45.8





#7
Phenol-d6
Concen: 106.761 ng
RT: 7.014 min Scan# 60
Delta R.T. -0.017 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

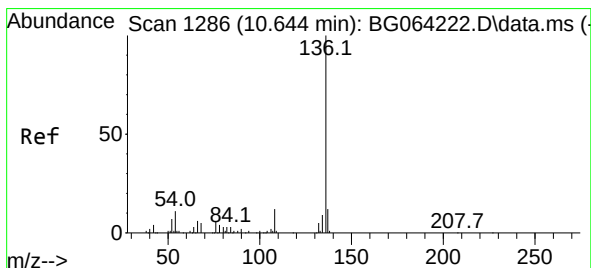
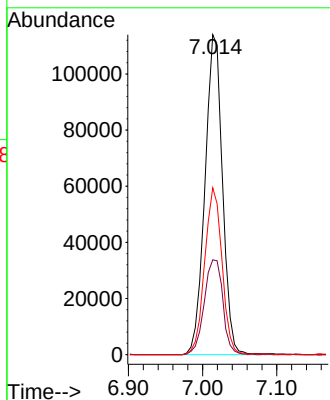
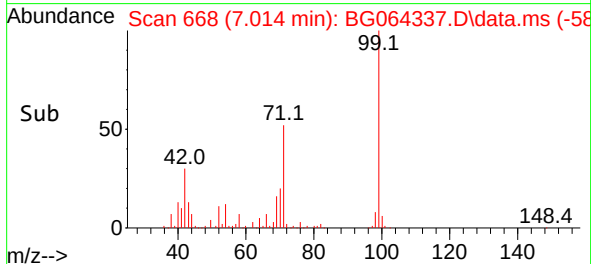
Instrument :
BNA_G
ClientSampleId :
VNJ-258



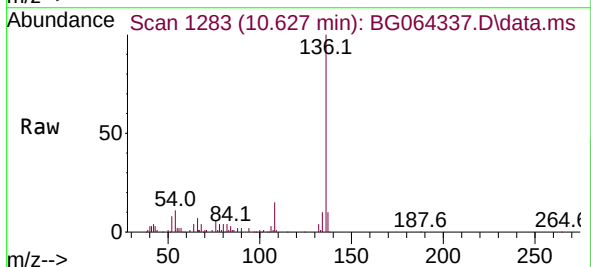
Tgt Ion: 99 Resp: 187278
Ion Ratio Lower Upper
99 100
42 29.6 25.8 38.8
71 52.1 35.2 52.8

Manual Integrations
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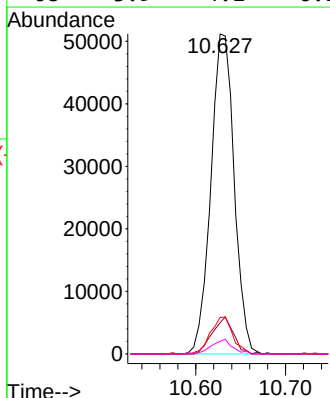
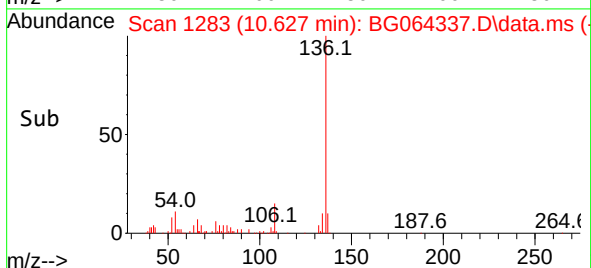
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025

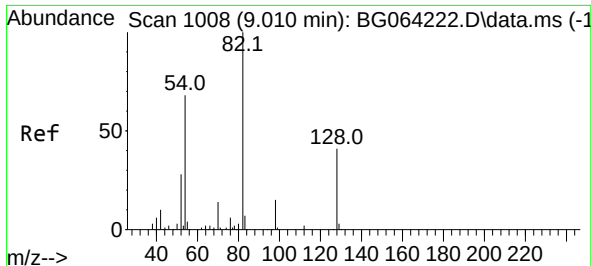


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.627 min Scan# 1283
Delta R.T. -0.023 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07



Tgt Ion:136 Resp: 92707
Ion Ratio Lower Upper
136 100
137 9.7 9.6 14.4
54 11.4 8.8 13.2
68 3.9 4.1 6.1#





#23
Nitrobenzene-d5
Concen: 80.288 ng
RT: 8.994 min Scan# 1005
Delta R.T. -0.023 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

Instrument :

BNA_G

ClientSampleId :

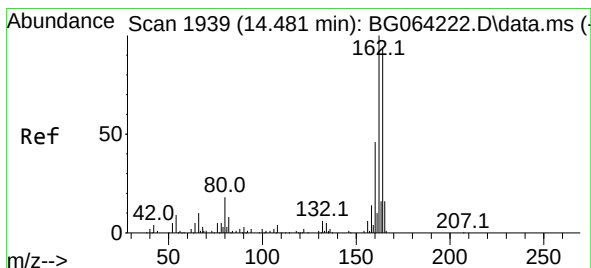
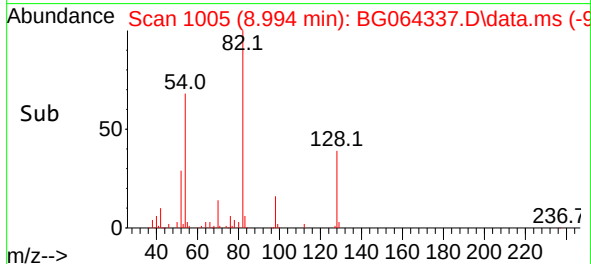
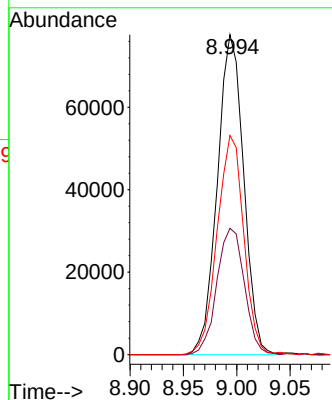
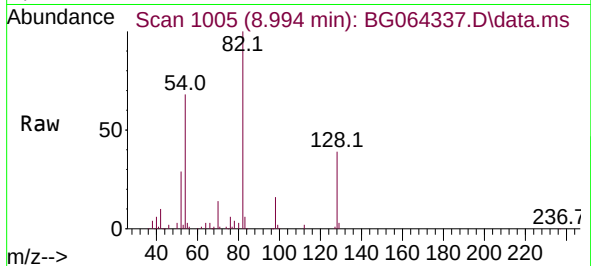
VNJ-258

Tgt Ion: 82 Resp: 133463
Ion Ratio Lower Upper
82 100
128 39.5 32.6 48.8
54 68.5 54.7 82.1

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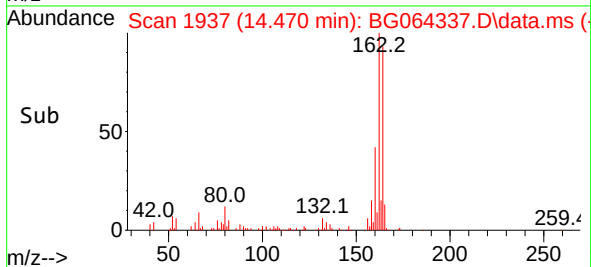
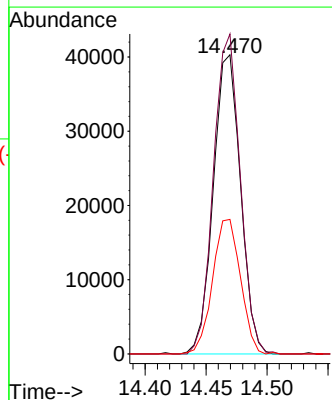
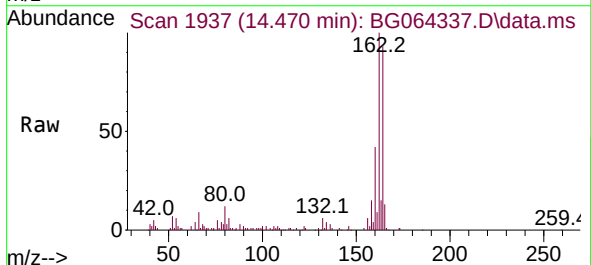
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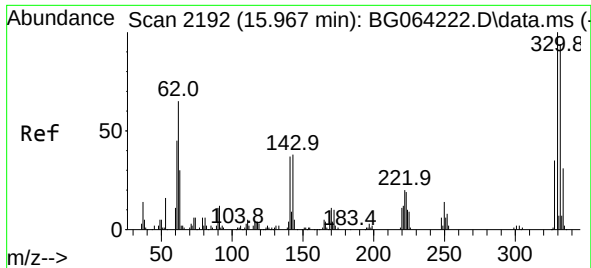
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.470 min Scan# 1937
Delta R.T. -0.011 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

Tgt Ion:164 Resp: 62743
Ion Ratio Lower Upper
164 100
162 107.0 85.4 128.0
160 44.9 39.2 58.8





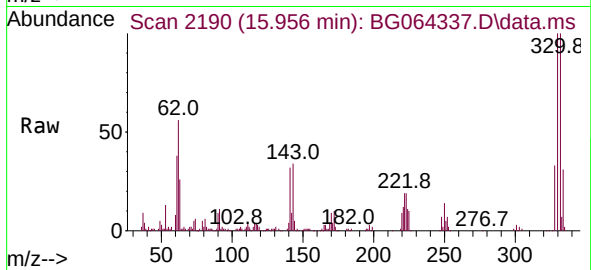
#42
2,4,6-Tribromophenol
Concen: 142.808 ng
RT: 15.956 min Scan# 2190
Delta R.T. -0.017 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

Instrument :

BNA_G

ClientSampleId :

VNJ-258

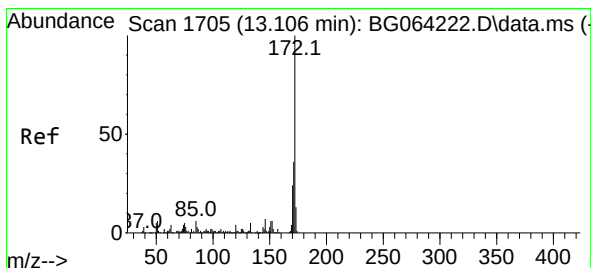
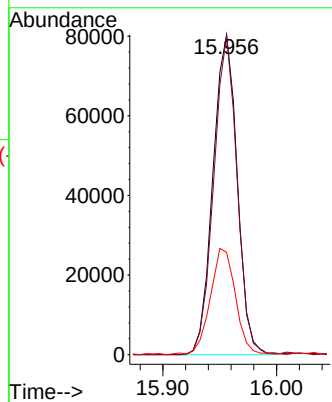
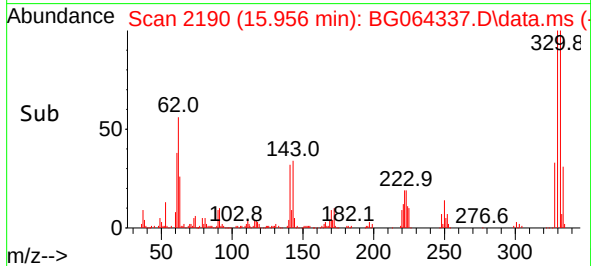


Tgt Ion:330 Resp: 118682
Ion Ratio Lower Upper
330 100
332 96.2 77.6 116.4
141 34.7 29.8 44.6

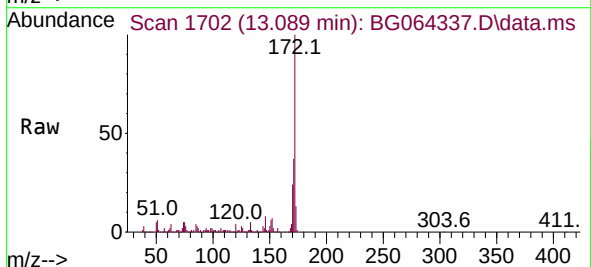
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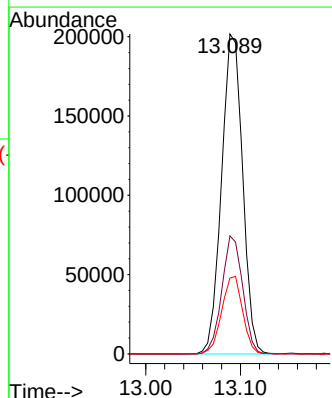
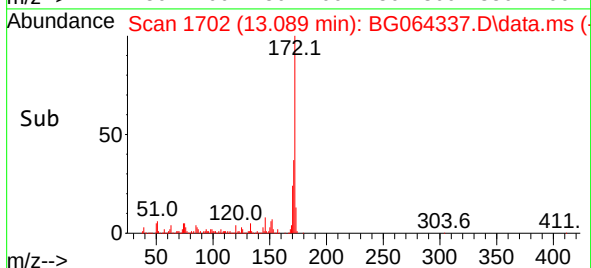
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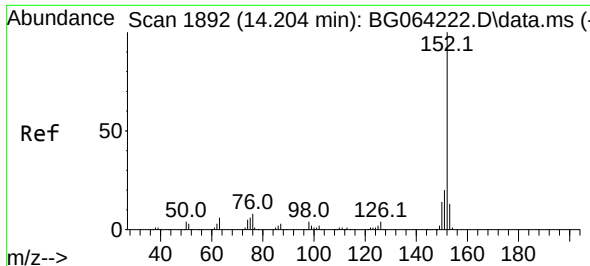


#45
2-Fluorobiphenyl
Concen: 75.744 ng
RT: 13.089 min Scan# 1702
Delta R.T. -0.023 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07



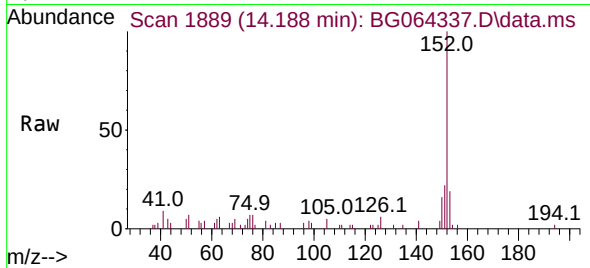
Tgt Ion:172 Resp: 311356
Ion Ratio Lower Upper
172 100
171 36.9 28.7 43.1
170 23.7 19.0 28.6





#49
Acenaphthylene
Concen: 4.119 ng
RT: 14.188 min Scan# 1892
Delta R.T. -0.017 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

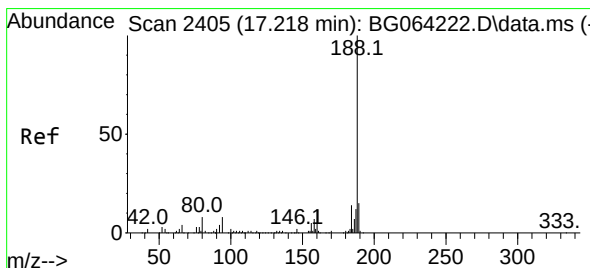
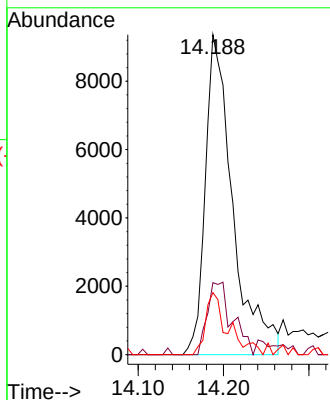
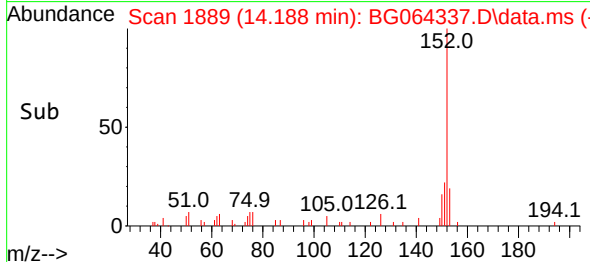
Instrument :
BNA_G
ClientSampleId :
VNJ-258



Tgt Ion:152 Resp: 20920
Ion Ratio Lower Upper
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151 22.5 16.2 24.2
153 19.4 10.1 15.1

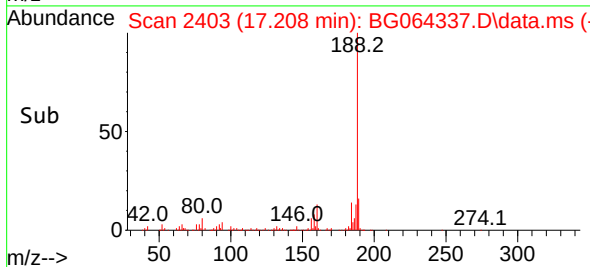
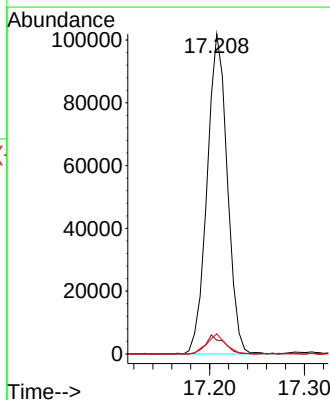
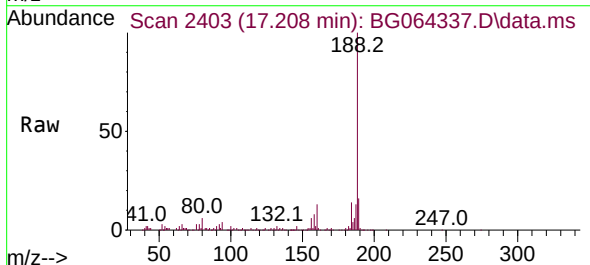
Manual Integrations
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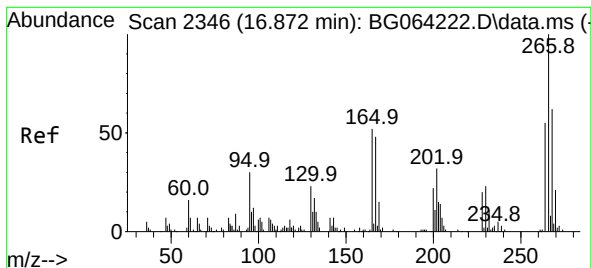
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.208 min Scan# 2403
Delta R.T. -0.017 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

Tgt Ion:188 Resp: 151015
Ion Ratio Lower Upper
188 100
94 4.3 6.2 9.4#
80 6.3 6.8 10.2#





#70

Pentachlorophenol

Concen: 26.186 ng

RT: 16.861 min Scan# 2410

Delta R.T. -0.017 min

Lab File: BG064337.D

Acq: 10 Sep 2025 18:07

Instrument :

BNA_G

ClientSampleId :

VNJ-258

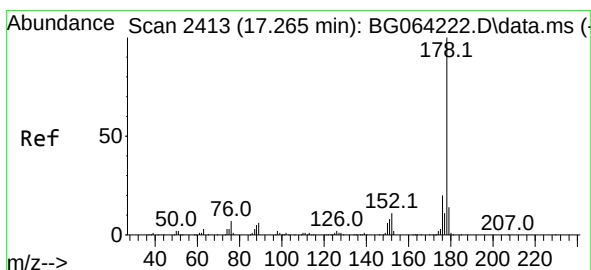
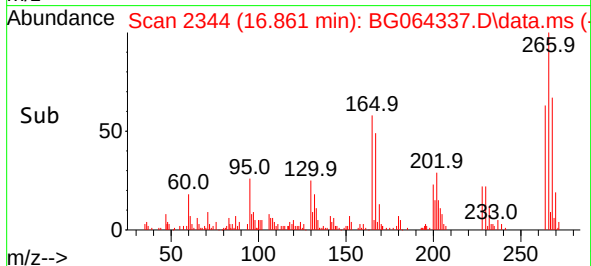
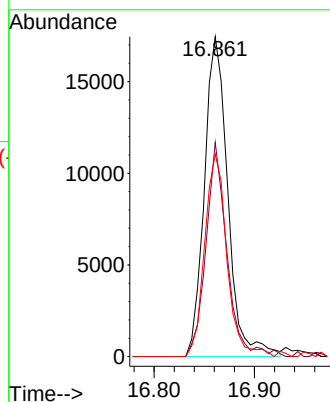
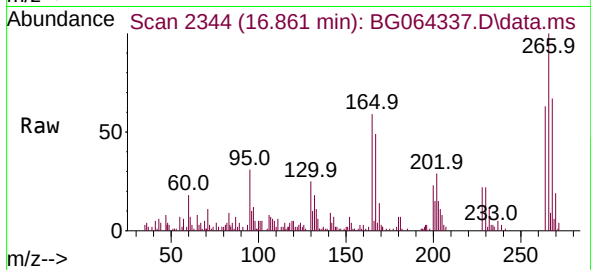
Tgt Ion:	266	Resp:	2828
Ion Ratio	Lower	Upper	
266	100		
268	66.9	49.4	74.0
264	63.3	44.3	66.5

Manual Integrations

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#71

Phenanthrene

Concen: 6.433 ng

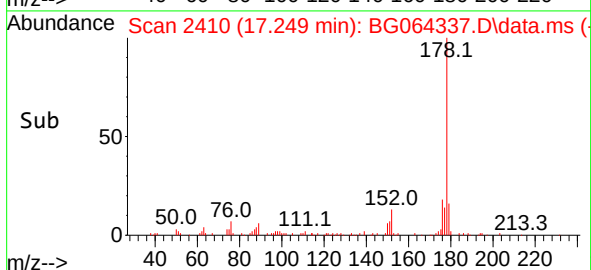
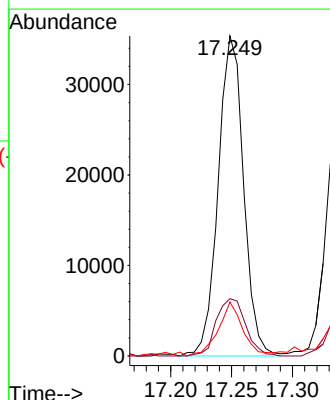
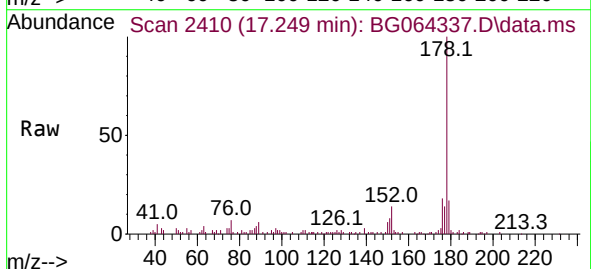
RT: 17.249 min Scan# 2410

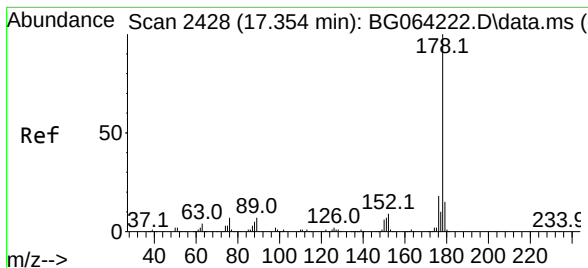
Delta R.T. -0.017 min

Lab File: BG064337.D

Acq: 10 Sep 2025 18:07

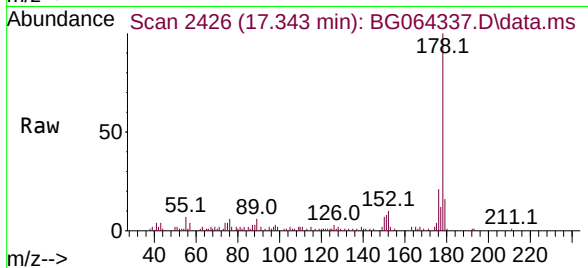
Tgt Ion:	178	Resp:	51236
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.9	23.9
179	16.8	11.4	17.2





#72
 Anthracene
 Concen: 5.394 ng
 RT: 17.343 min Scan# 2426
 Delta R.T. -0.017 min
 Lab File: BG064337.D
 Acq: 10 Sep 2025 18:07

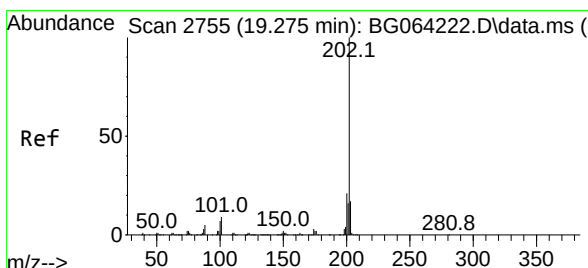
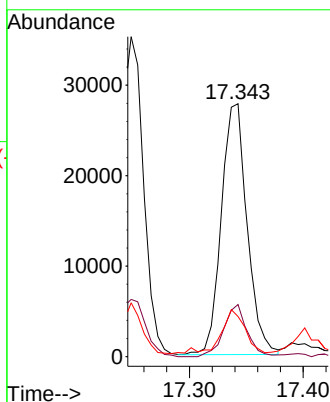
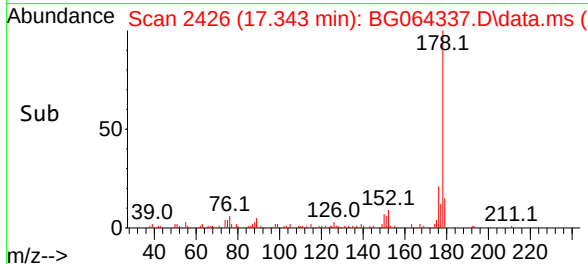
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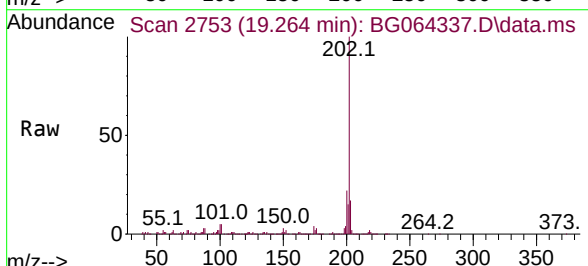
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 Ion Ratio Lower Upper
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 176 20.6 14.7 22.1
 179 15.8 12.1 18.1

Manual Integrations
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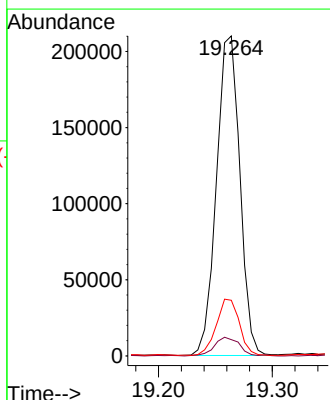
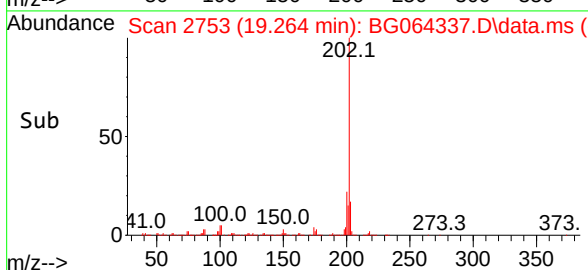
Reviewed By :Rahul Chavli 09/11/2025
 Supervised By :Jagrut Upadhyay 09/11/2025

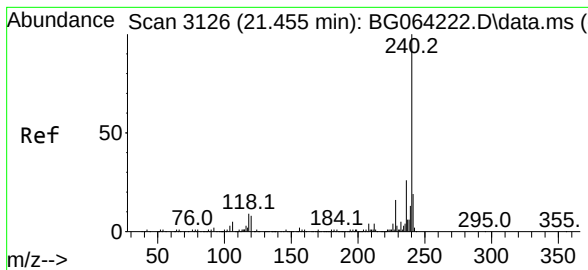


#75
 Fluoranthene
 Concen: 32.064 ng
 RT: 19.264 min Scan# 2753
 Delta R.T. -0.011 min
 Lab File: BG064337.D
 Acq: 10 Sep 2025 18:07



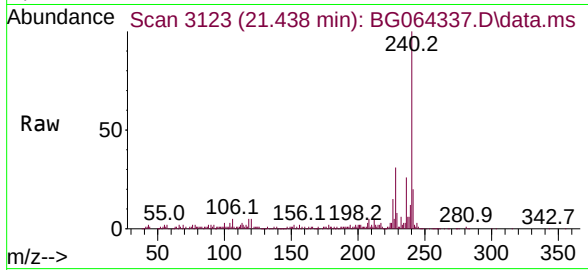
Tgt Ion:202 Resp: 300292
 Ion Ratio Lower Upper
 202 100
 101 5.1 0.0 28.7
 203 17.4 0.0 36.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.438 min Scan# 3126
Delta R.T. -0.017 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

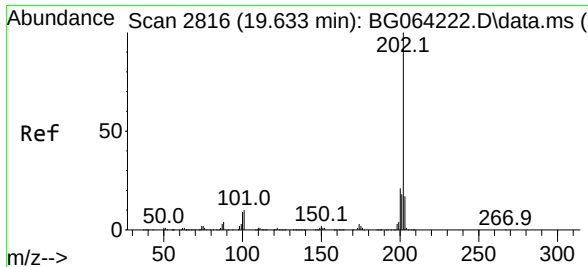
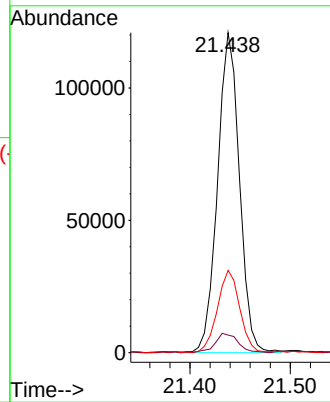
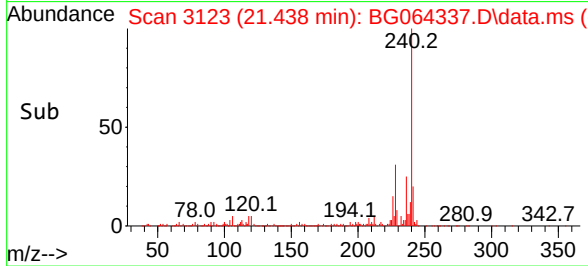
Instrument :
BNA_G
ClientSampleId :
VNJ-258



Tgt Ion:240 Resp: 183530
Ion Ratio Lower Upper
240 100
120 5.5 6.2 9.4
236 25.7 20.5 30.7

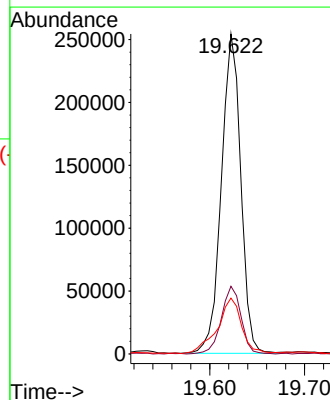
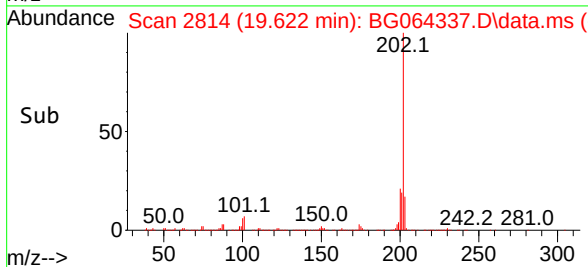
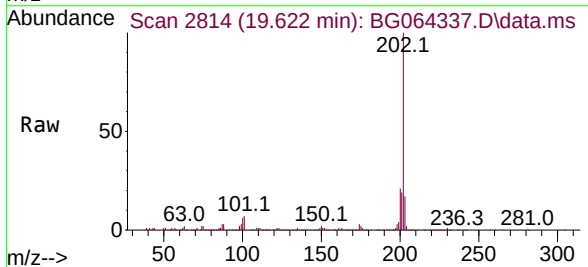
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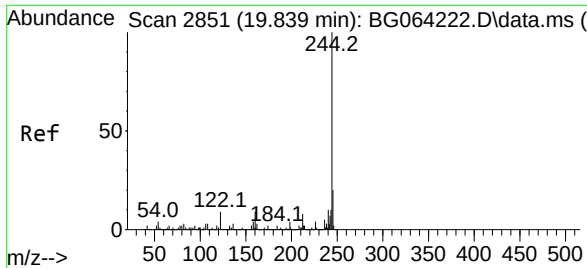
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#78
Pyrene
Concen: 31.249 ng
RT: 19.622 min Scan# 2814
Delta R.T. -0.017 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

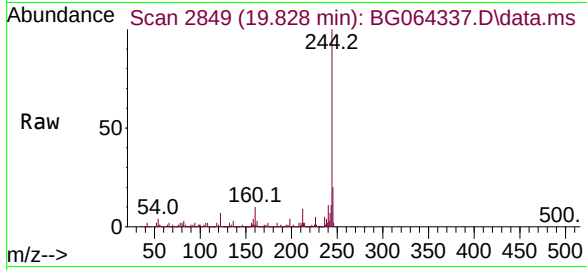
Tgt Ion:202 Resp: 361317
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 17.4 13.8 20.8





#79
 Terphenyl-d14
 Concen: 74.405 ng
 RT: 19.828 min Scan# 2849
 Delta R.T. -0.017 min
 Lab File: BG064337.D
 Acq: 10 Sep 2025 18:07

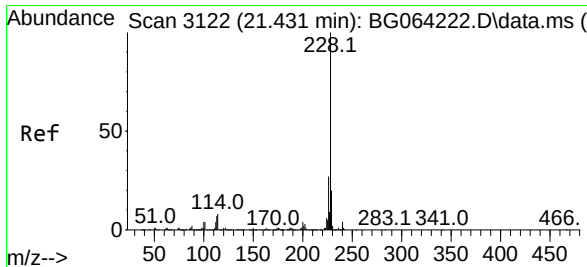
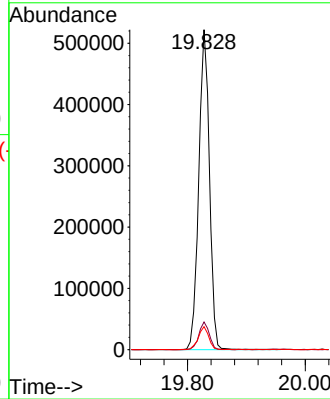
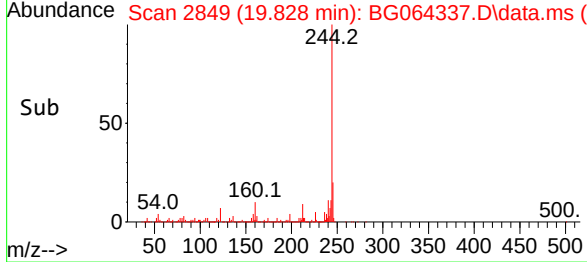
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-258



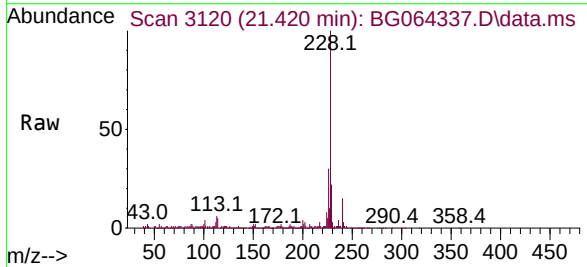
Tgt Ion:244 Resp: 654521
 Ion Ratio Lower Upper
 244 100
 212 8.6 6.6 10.0
 122 7.2 7.0 10.6

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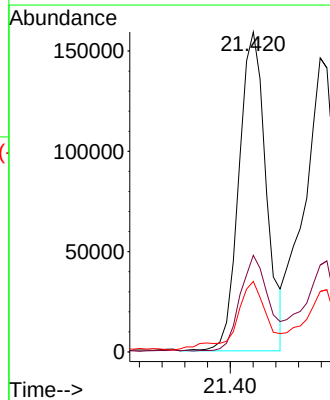
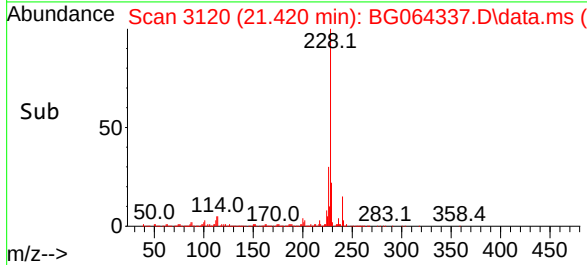
Reviewed By :Rahul Chavli 09/11/2025
 Supervised By :Jagrut Upadhyay 09/11/2025

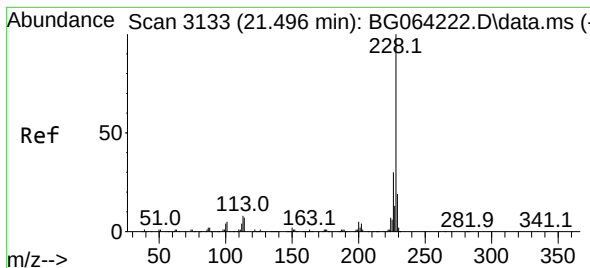


#81
 Benzo(a)anthracene
 Concen: 22.493 ng
 RT: 21.420 min Scan# 3120
 Delta R.T. -0.017 min
 Lab File: BG064337.D
 Acq: 10 Sep 2025 18:07



Tgt Ion:228 Resp: 264098
 Ion Ratio Lower Upper
 228 100
 226 30.2 21.7 32.5
 229 22.0 15.9 23.9





#83

Chrysene

Concen: 24.688 ng

RT: 21.479 min Scan# 31

Delta R.T. -0.023 min

Lab File: BG064337.D

Acq: 10 Sep 2025 18:07

Instrument :

BNA_G

ClientSampleId :

VNJ-258

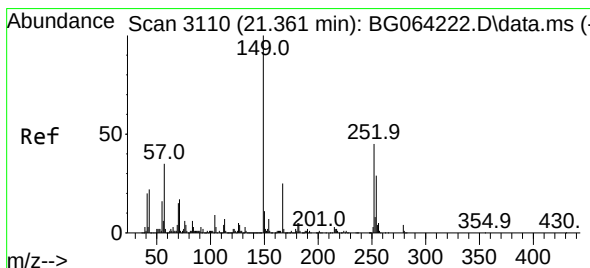
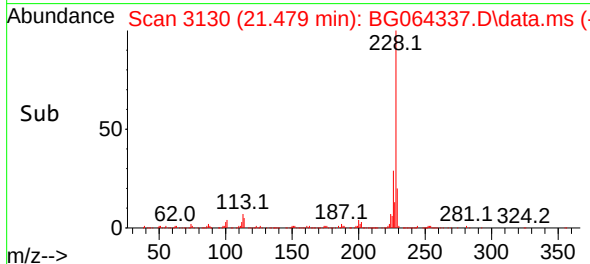
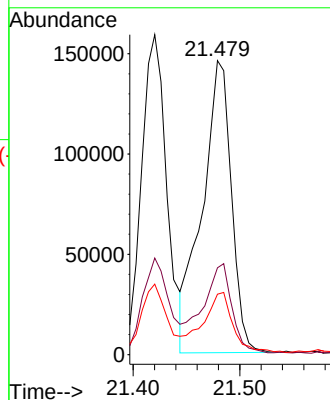
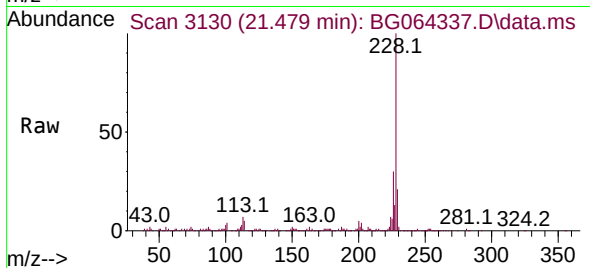
Tgt Ion:228 Resp: 278292
 Ion Ratio Lower Upper
 228 100
 226 29.5 24.2 36.2
 229 20.5 15.4 23.2

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Reviewed By :Rahul Chavli 09/11/2025

Supervised By :Jagrut Upadhyay 09/11/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.072 ng

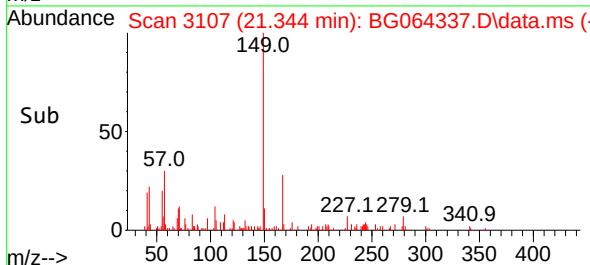
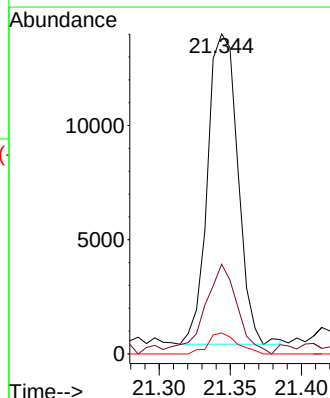
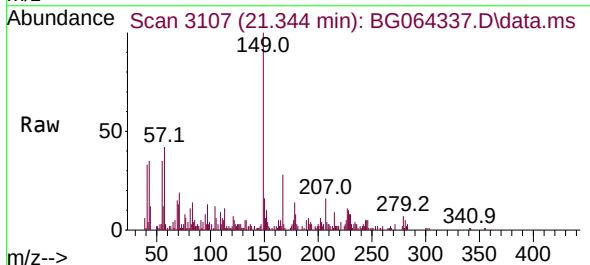
RT: 21.344 min Scan# 3107

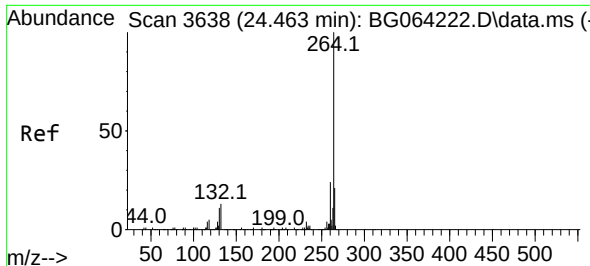
Delta R.T. -0.023 min

Lab File: BG064337.D

Acq: 10 Sep 2025 18:07

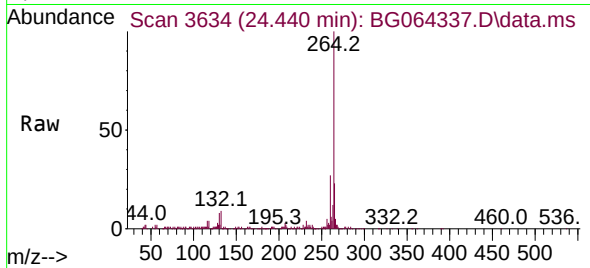
Tgt Ion:149 Resp: 20117
 Ion Ratio Lower Upper
 149 100
 167 28.0 20.0 30.0
 279 6.5 3.0 4.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.440 min Scan# 30
Delta R.T. -0.023 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

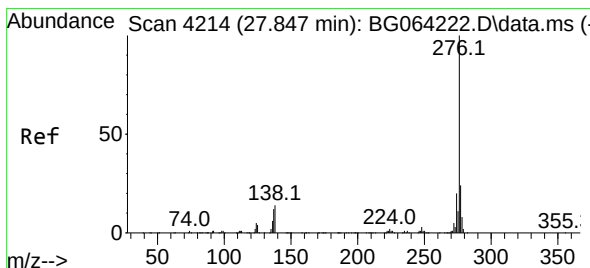
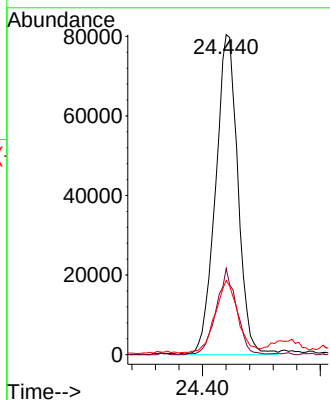
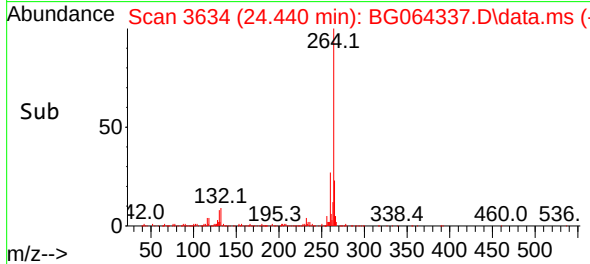
Instrument :
BNA_G
ClientSampleId :
VNJ-258



Tgt Ion:264 Resp: 211875
Ion Ratio Lower Upper
264 100
260 26.9 18.9 28.3
265 23.2 16.7 25.1

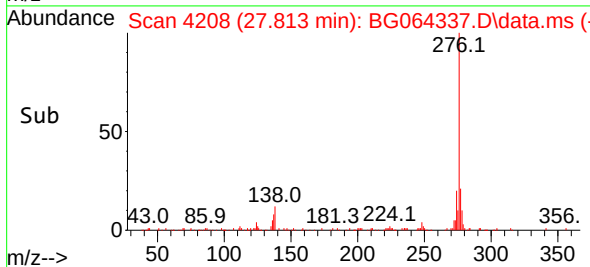
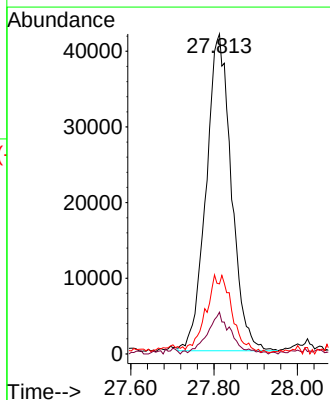
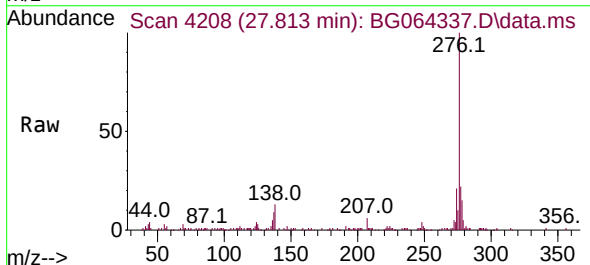
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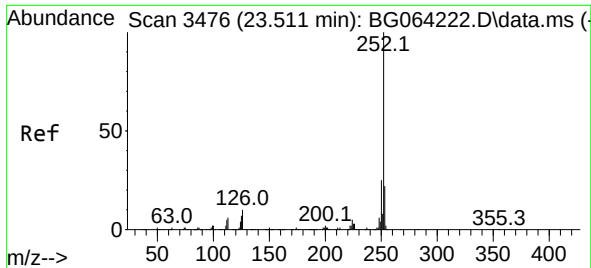
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 12.167 ng
RT: 27.813 min Scan# 4208
Delta R.T. -0.058 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

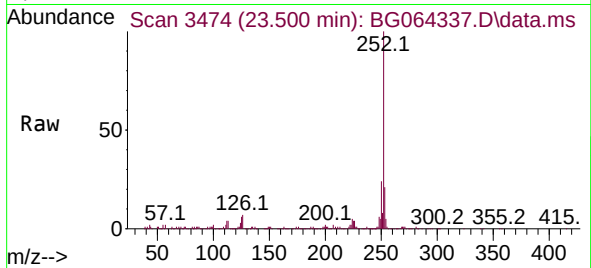
Tgt Ion:276 Resp: 176049
Ion Ratio Lower Upper
276 100
138 12.4 7.4 11.0#
277 12.6 20.5 30.7#





#88
Benzo(b)fluoranthene
Concen: 32.836 ng
RT: 23.500 min Scan# 3476
Delta R.T. -0.017 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

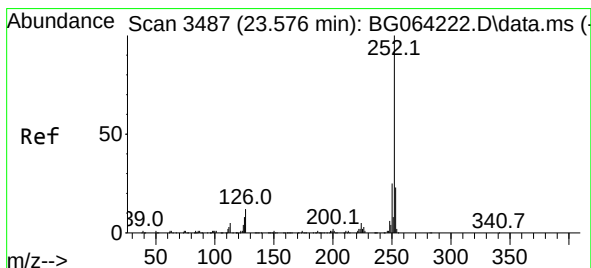
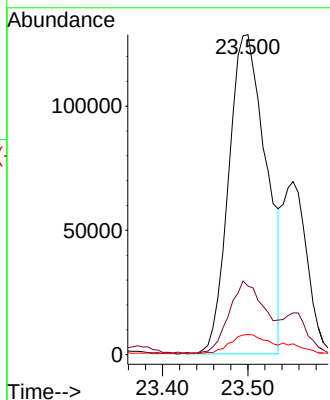
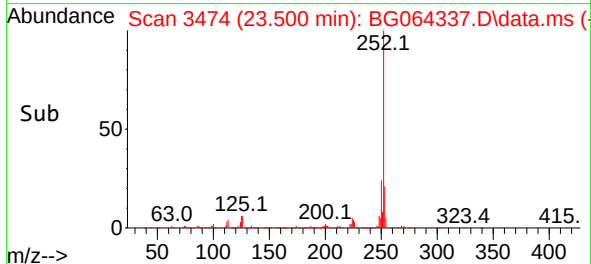
Instrument :
BNA_G
ClientSampleId :
VNJ-258



Tgt Ion:252 Resp: 392654
Ion Ratio Lower Upper
252 100
253 21.4 17.5 26.3
125 6.3 5.9 8.9

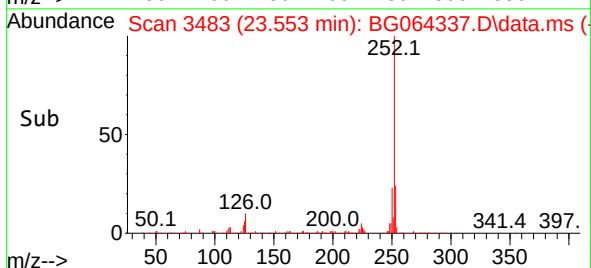
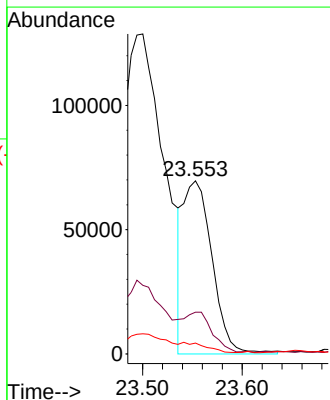
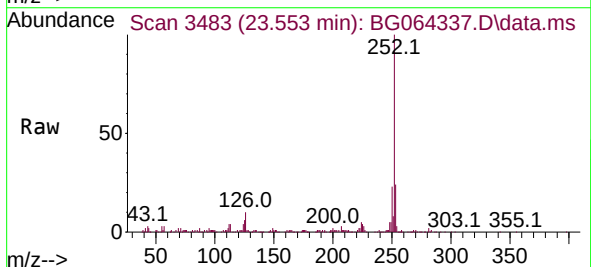
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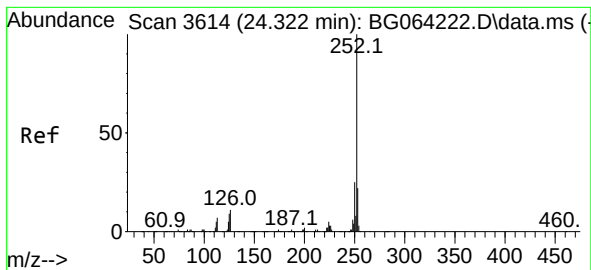
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#89
Benzo(k)fluoranthene
Concen: 11.525 ng m
RT: 23.553 min Scan# 3483
Delta R.T. -0.035 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

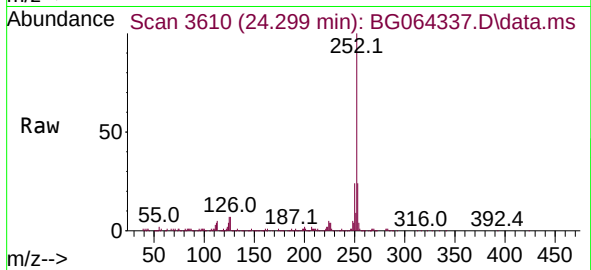
Tgt Ion:252 Resp: 140399
Ion Ratio Lower Upper
252 100
253 24.1 18.2 27.4
125 6.3 7.0 10.4#





#90
Benzo(a)pyrene
Concen: 25.262 ng m
RT: 24.299 min Scan# 30
Delta R.T. -0.029 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

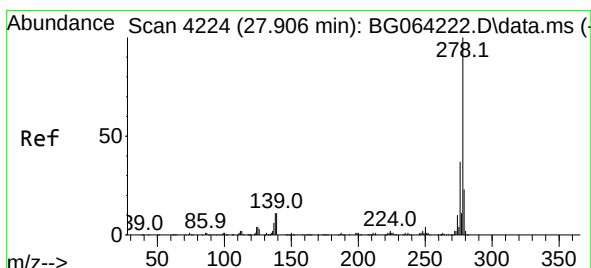
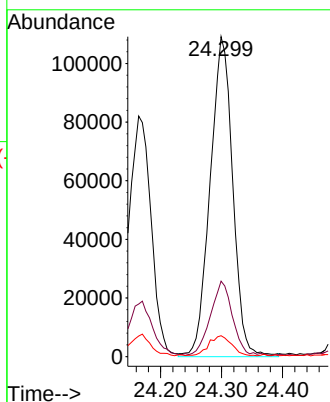
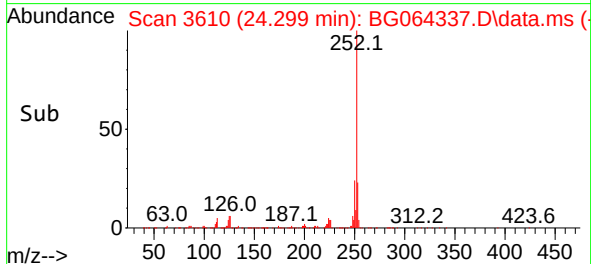
Instrument :
BNA_G
ClientSampleId :
VNJ-258



Tgt Ion:252 Resp: 281000
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.2
125 6.5 7.0 10.6

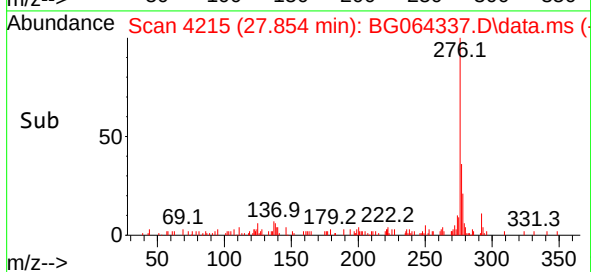
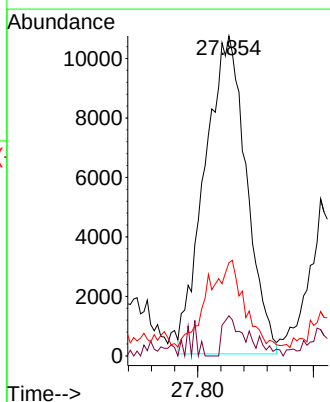
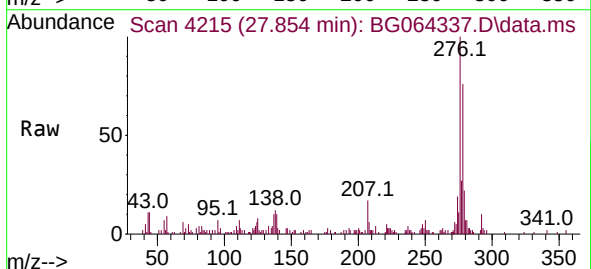
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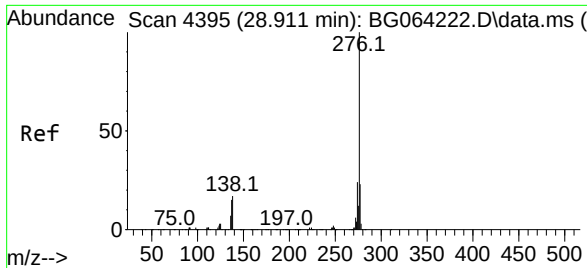
Reviewed By :Rahul Chavli 09/11/2025
Supervised By :Jagrut Upadhyay 09/11/2025



#91
Dibenzo(a,h)anthracene
Concen: 4.619 ng m
RT: 27.854 min Scan# 4215
Delta R.T. -0.070 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

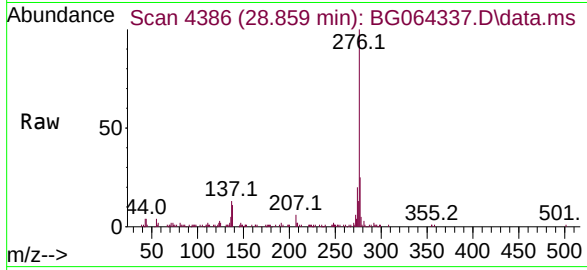
Tgt Ion:278 Resp: 53658
Ion Ratio Lower Upper
278 100
139 12.5 9.0 13.4
279 29.1 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 14.690 ng
 RT: 28.859 min Scan# 4386
 Delta R.T. -0.076 min
 Lab File: BG064337.D
 Acq: 10 Sep 2025 18:07

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-258



Tgt Ion:276	Resp: 166060
Ion Ratio	Lower Upper
276	100
277	24.9 18.2 27.4
138	11.1 13.3 19.9

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 Supervised By :Jagrut Upadhyay 09/11/2025

