

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040225\
 Data File : BG064155.D
 Acq On : 2 Apr 2025 16:24
 Operator : RC/JU
 Sample : Q1674-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11991

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 04/03/2025
 Supervised By :Jagrut Upadhyay 04/03/2025

Quant Time: Apr 02 17:12:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 05 15:39:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.858	152	40898	20.000	ng	0.00
21) Naphthalene-d8	10.643	136	176341	20.000	ng	-0.01
39) Acenaphthene-d10	14.480	164	117031	20.000	ng	0.00
64) Phenanthrene-d10	17.218	188	252550	20.000	ng	-0.01
76) Chrysene-d12	21.454	240	257269	20.000	ng	0.00
86) Perylene-d12	24.462	264	277239	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.449	112	272518	104.045	ng	0.00
7) Phenol-d6	7.030	99	359661	100.938	ng	0.00
23) Nitrobenzene-d5	9.010	82	245157	76.828	ng	0.00
42) 2,4,6-Tribromophenol	15.966	330	158951	122.187	ng	0.00
45) 2-Fluorobiphenyl	13.105	172	528016	68.483	ng	-0.01
79) Terphenyl-d14	19.844	244	797353	62.668	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.265	178	161578	11.995	ng	98
75) Fluoranthene	19.274	202	440988	27.155	ng	96
78) Pyrene	19.633	202	406507	24.512	ng	99
81) Benzo(a)anthracene	21.431	228	194420	11.797	ng	97
83) Chrysene	21.495	228	230448m	14.020	ng	
87) Indeno(1,2,3-cd)pyrene	27.847	276	141212	7.613	ng	98
88) Benzo(b)fluoranthene	23.516	252	300147	17.908	ng	96
89) Benzo(k)fluoranthene	23.575	252	99489m	5.917	ng	
90) Benzo(a)pyrene	24.321	252	190327	12.751	ng	95
91) Dibenzo(a,h)anthracene	27.894	278	40880m	2.658	ng	
92) Benzo(g,h,i)perylene	28.904	276	132998	8.423	ng	96

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

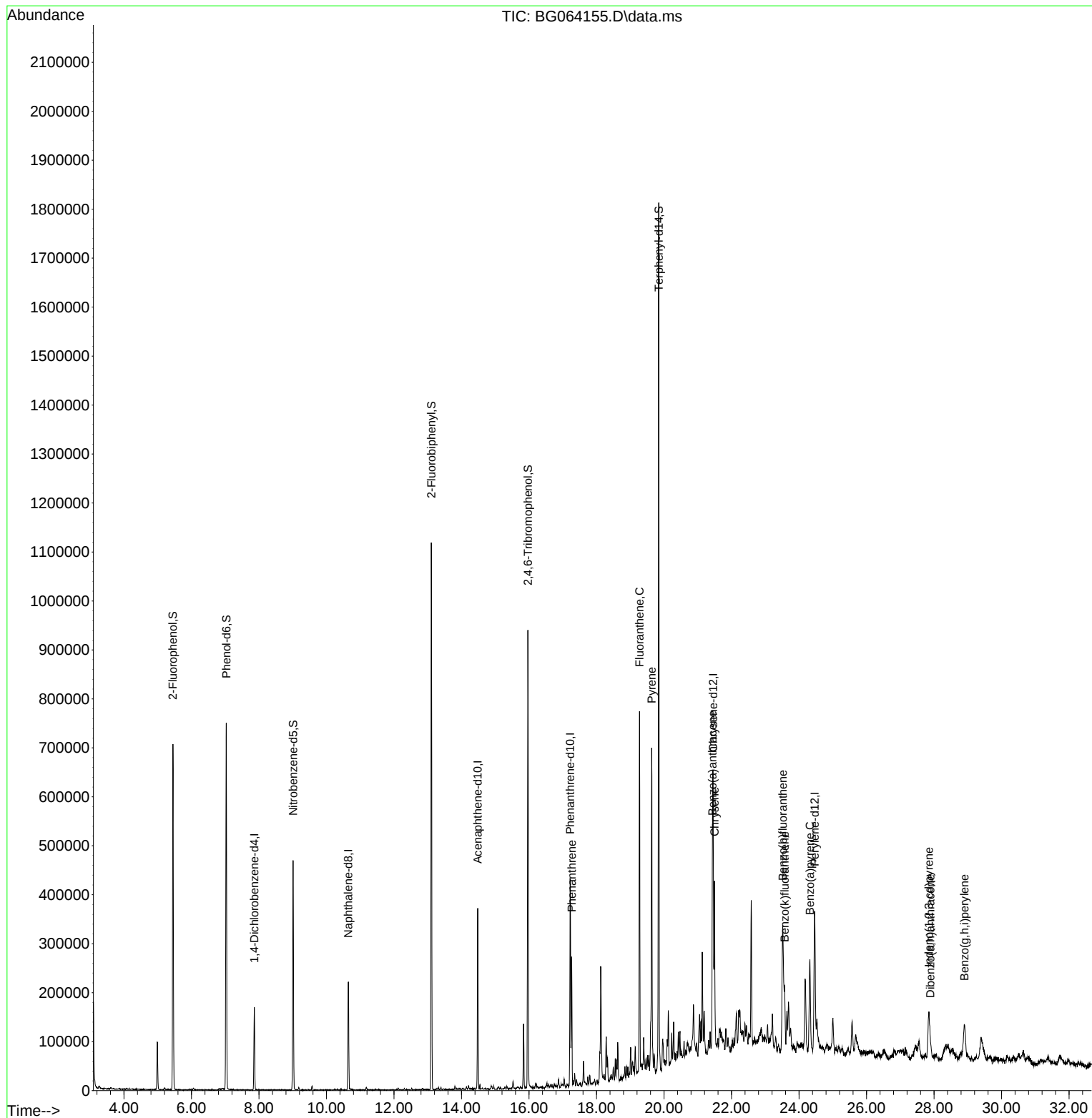
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040225\
Data File : BG064155.D
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ALS Vial : 10 Sample Multiplier: 1

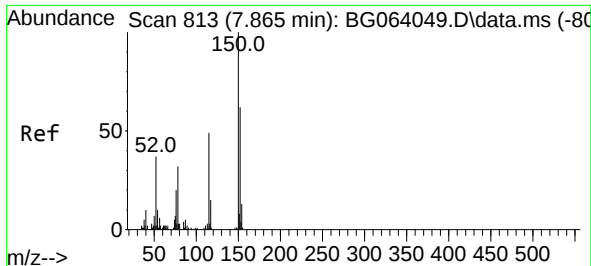
Instrument :
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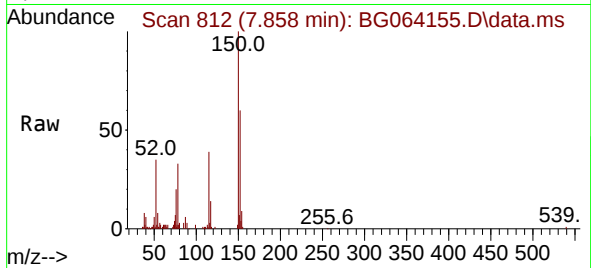
Quant Time: Apr 02 17:12:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.858 min Scan# 813
Delta R.T. -0.007 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

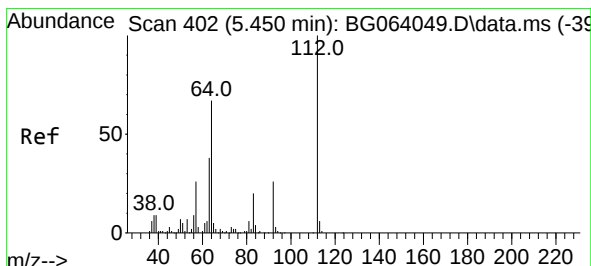
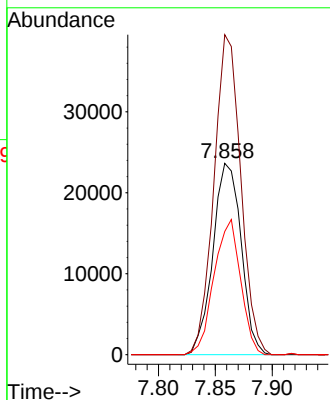
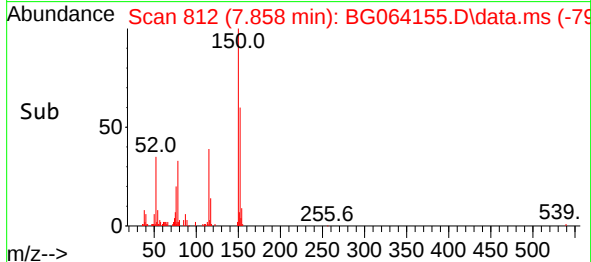
Instrument :
BNA_G
ClientSampleId :
72-11991



Tgt Ion:152 Resp: 40898
Ion Ratio Lower Upper
152 100
150 167.2 129.2 193.8
115 64.4 63.0 94.6

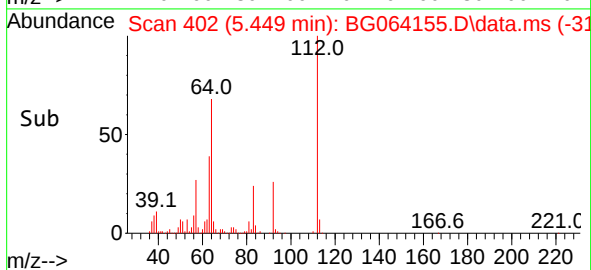
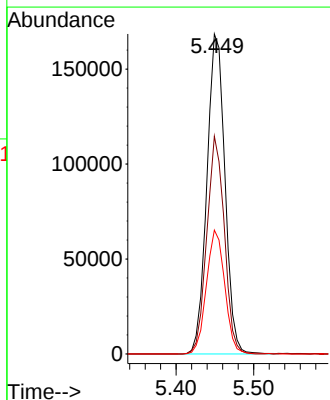
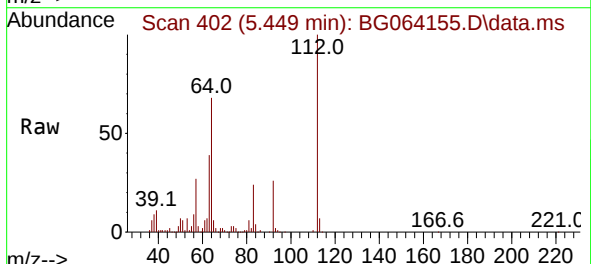
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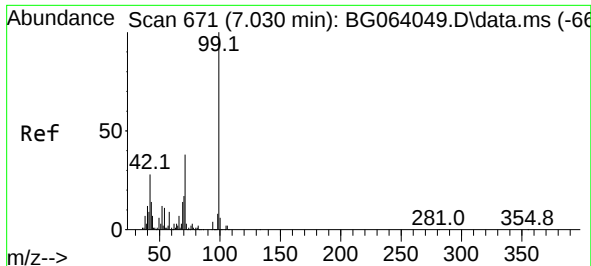
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025



#5
2-Fluorophenol
Concen: 104.045 ng
RT: 5.449 min Scan# 402
Delta R.T. -0.001 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

Tgt Ion:112 Resp: 272518
Ion Ratio Lower Upper
112 100
64 68.0 53.7 80.5
63 38.7 30.2 45.4





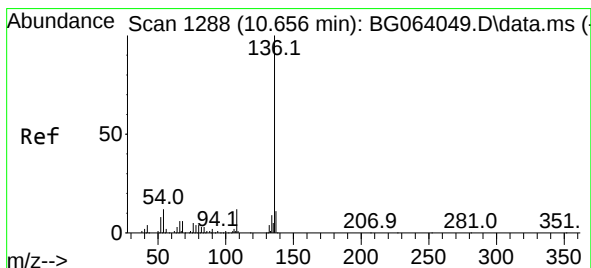
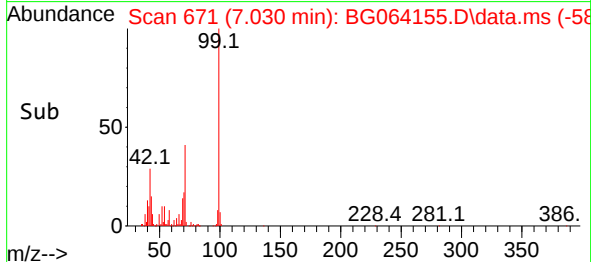
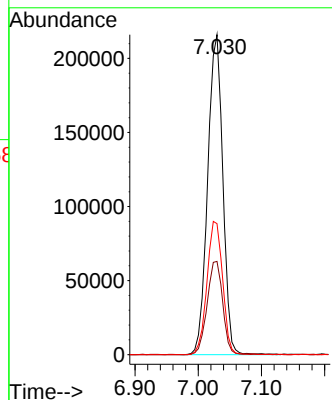
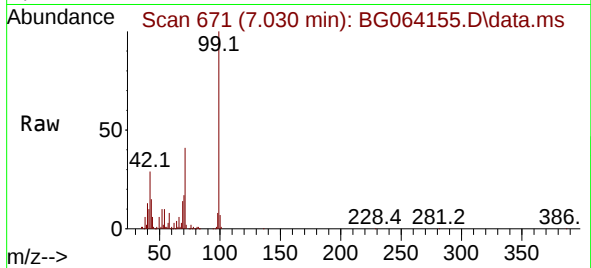
#7
Phenol-d6
Concen: 100.938 ng
RT: 7.030 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

Instrument :
BNA_G
ClientSampleId :
72-11991

Tgt Ion: 99 Resp: 35966
Ion Ratio Lower Upper
99 100
42 29.2 22.7 34.1
71 40.9 30.6 46.0

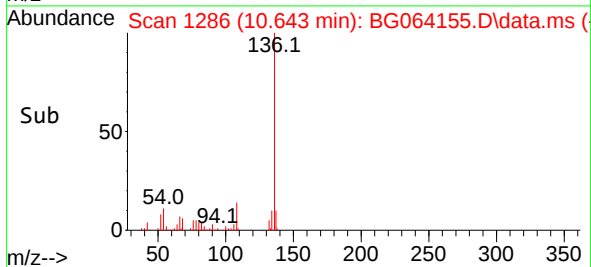
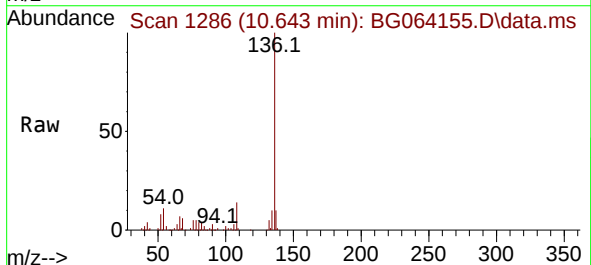
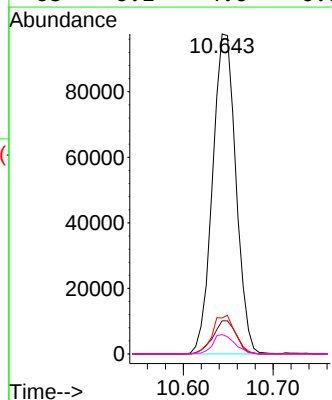
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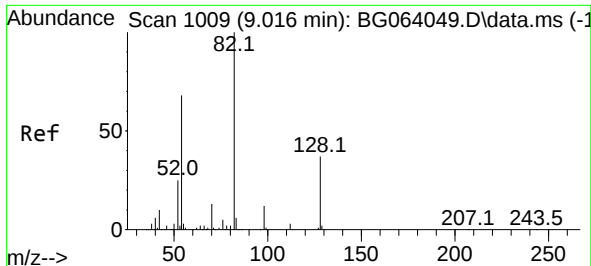
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.643 min Scan# 1286
Delta R.T. -0.013 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

Tgt Ion:136 Resp: 176341
Ion Ratio Lower Upper
136 100
137 10.4 8.5 12.7
54 11.2 9.9 14.9
68 6.1 4.6 6.8





#23

Nitrobenzene-d5

Concen: 76.828 ng

RT: 9.010 min Scan# 1009

Delta R.T. -0.007 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

Instrument :

BNA_G

ClientSampleId :

72-11991

Tgt Ion: 82 Resp: 24515

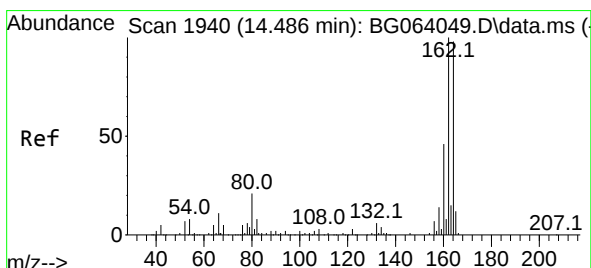
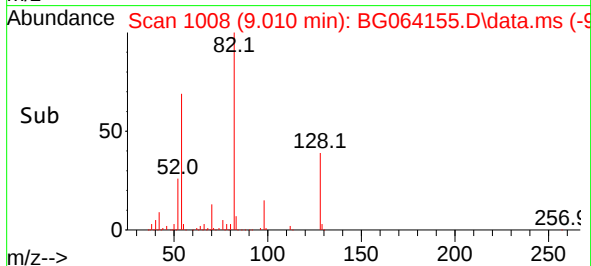
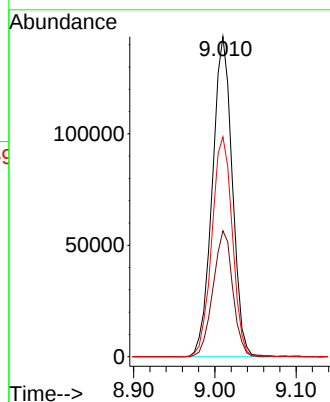
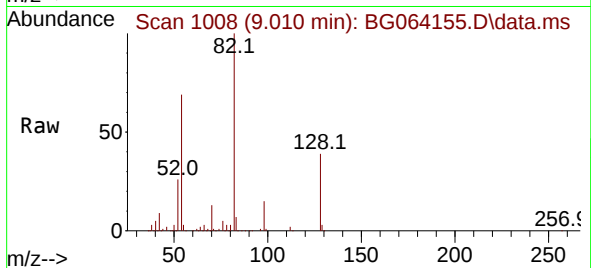
Ion	Ratio	Lower	Upper
82	100		
128	39.3	30.0	45.0
54	68.7	54.7	82.1

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Supervised By :Jagrut Upadhyay 04/03/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.480 min Scan# 1939

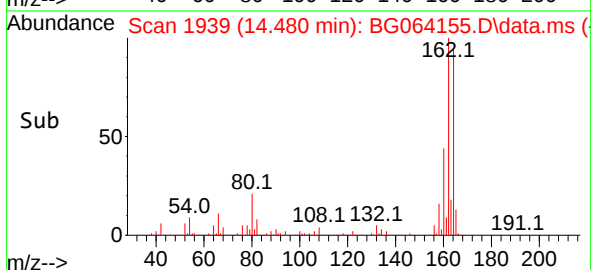
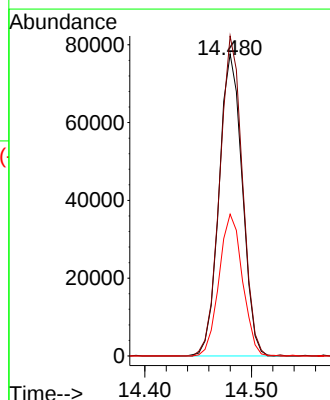
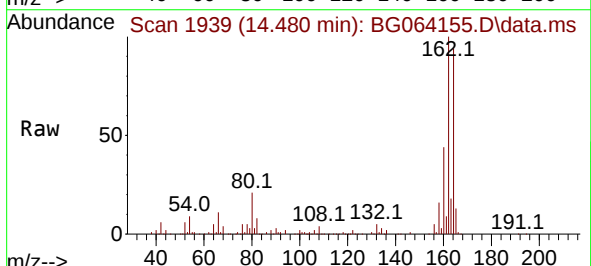
Delta R.T. -0.006 min

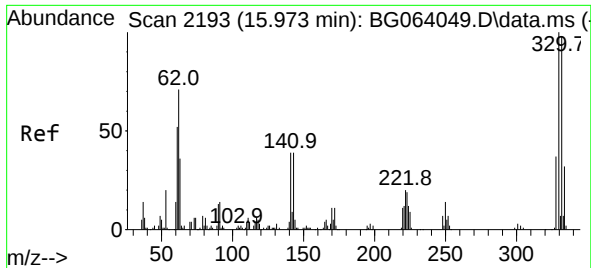
Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

Tgt Ion:164 Resp: 117031

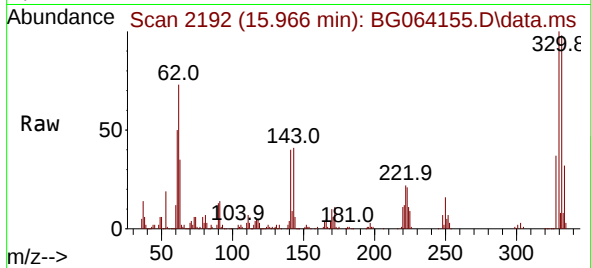
Ion	Ratio	Lower	Upper
164	100		
162	105.9	81.4	122.0
160	46.9	37.0	55.6





#42
2,4,6-Tribromophenol
Concen: 122.187 ng
RT: 15.966 min Scan# 2193
Delta R.T. -0.007 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

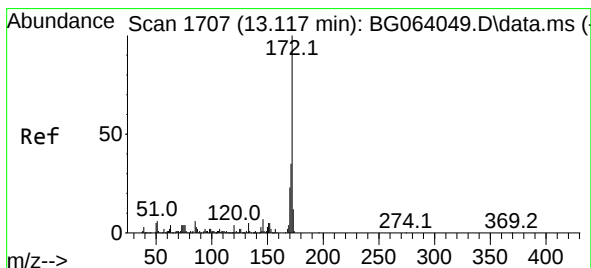
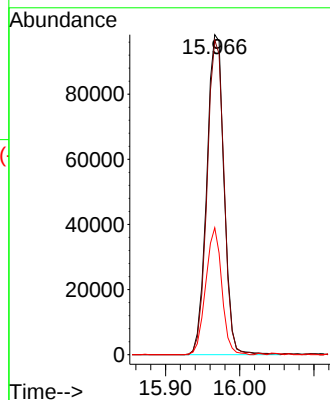
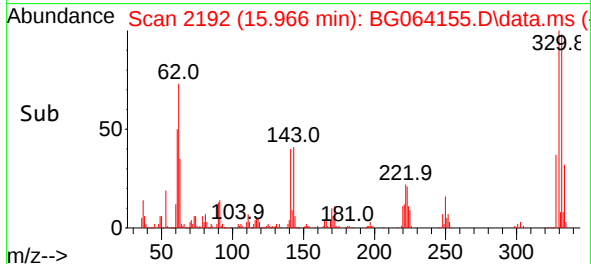
Instrument :
BNA_G
ClientSampleId :
72-11991



Tgt Ion:330 Resp: 15895
Ion Ratio Lower Upper
330 100
332 96.4 76.7 115.1
141 37.0 29.7 44.5

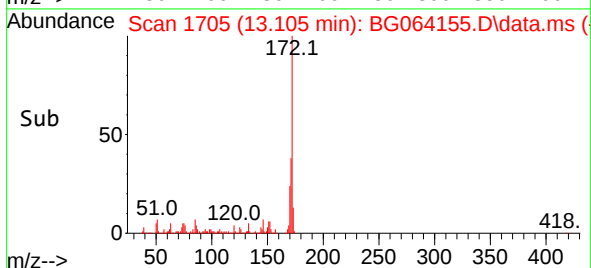
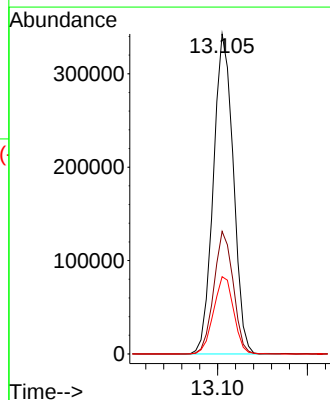
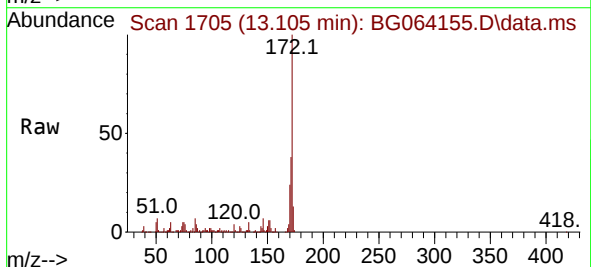
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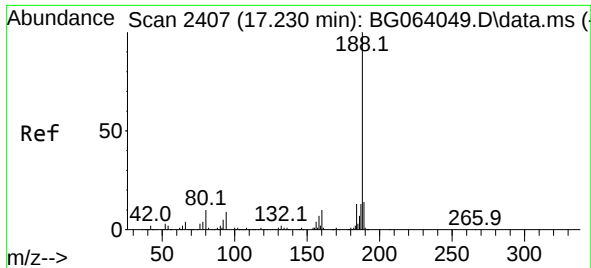
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025



#45
2-Fluorobiphenyl
Concen: 68.483 ng
RT: 13.105 min Scan# 1705
Delta R.T. -0.012 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

Tgt Ion:172 Resp: 528016
Ion Ratio Lower Upper
172 100
171 38.3 28.0 42.0
170 24.2 18.7 28.1





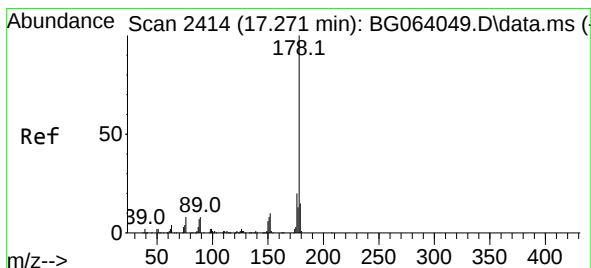
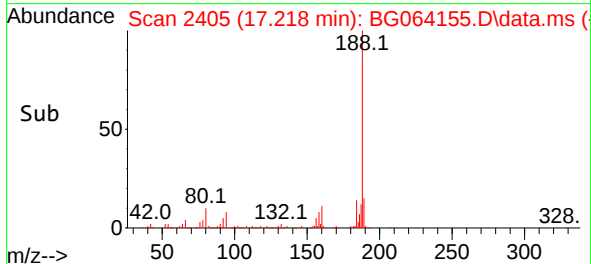
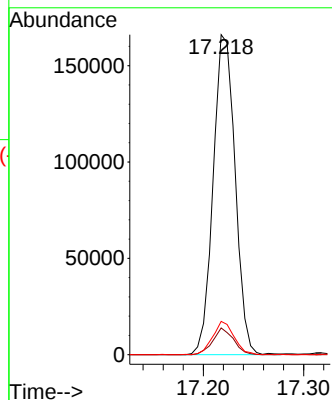
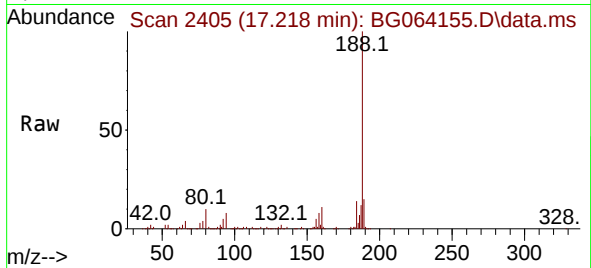
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.218 min Scan# 2405
Delta R.T. -0.012 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

Instrument :
BNA_G
ClientSampleId :
72-11991

Tgt Ion:188 Resp: 252550
Ion Ratio Lower Upper
188 100
94 8.4 6.9 10.3
80 10.4 8.1 12.1

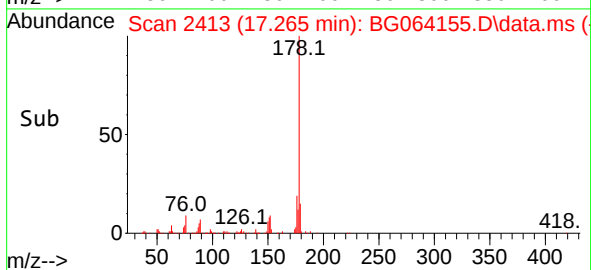
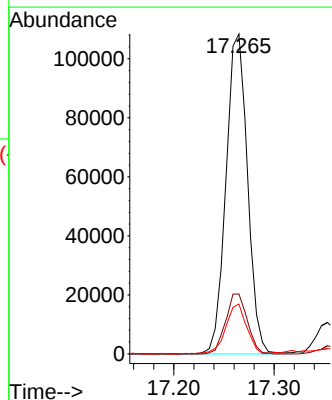
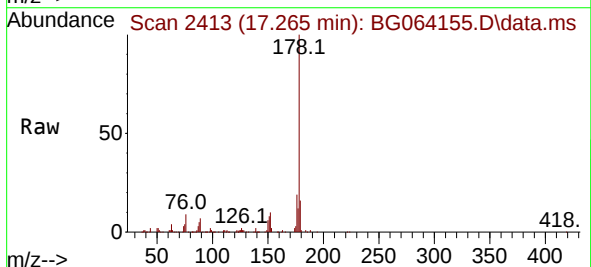
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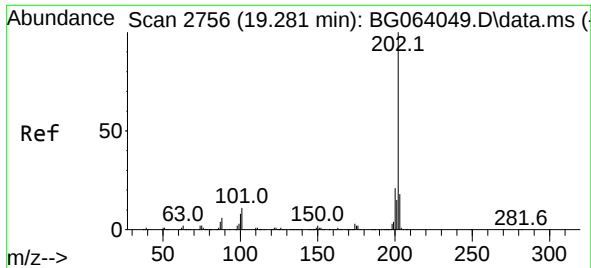
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025



#71
Phenanthrene
Concen: 11.995 ng
RT: 17.265 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

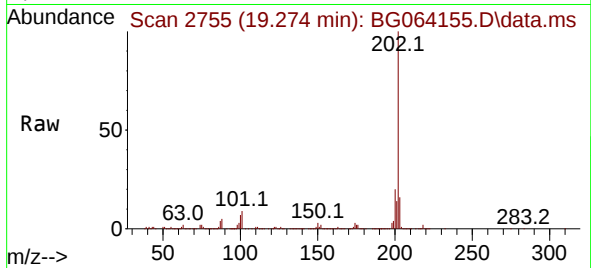
Tgt Ion:178 Resp: 161578
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 15.6 12.2 18.2





#75
Fluoranthene
Concen: 27.155 ng
RT: 19.274 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

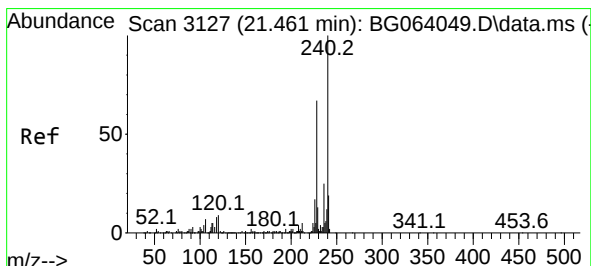
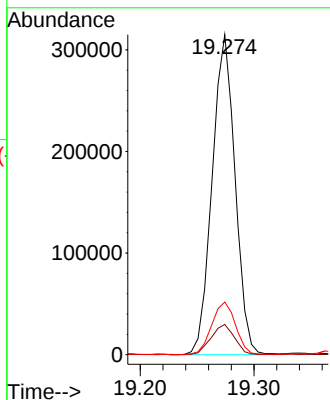
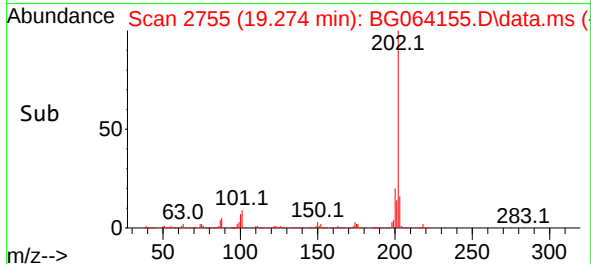
Instrument :
BNA_G
ClientSampleId :
72-11991



Tgt Ion:202 Resp: 440988
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.5
203 16.4 0.0 38.3

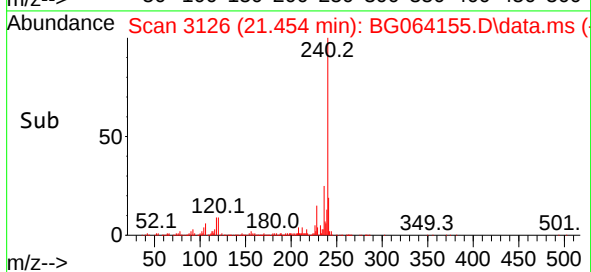
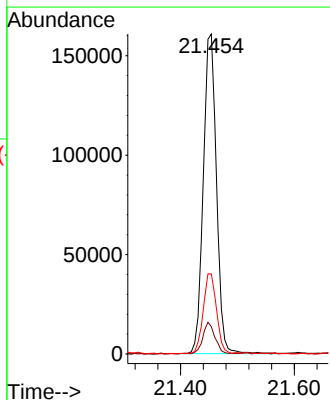
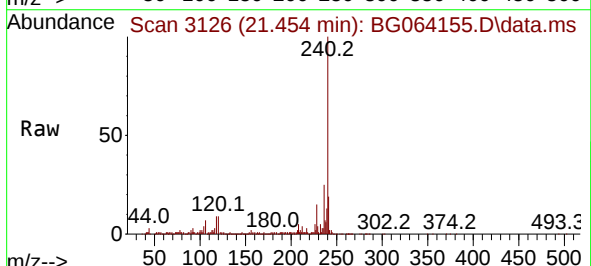
Manual Integrations
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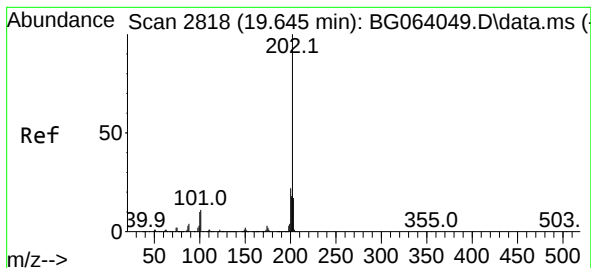
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.454 min Scan# 3126
Delta R.T. -0.006 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

Tgt Ion:240 Resp: 257269
Ion Ratio Lower Upper
240 100
120 8.5 7.2 10.8
236 25.0 20.2 30.2





#78

Pyrene

Concen: 24.512 ng

RT: 19.633 min Scan# 21

Delta R.T. -0.012 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

Instrument :

BNA_G

ClientSampleId :

72-11991

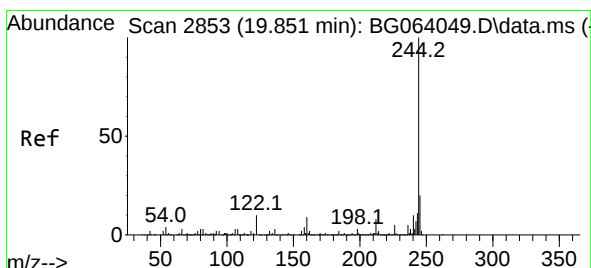
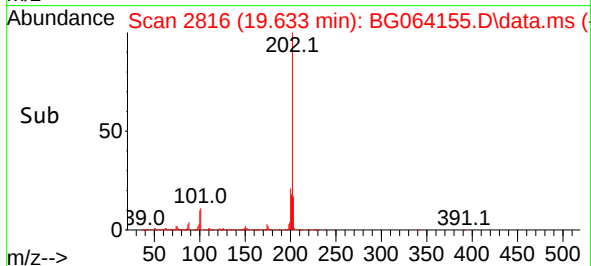
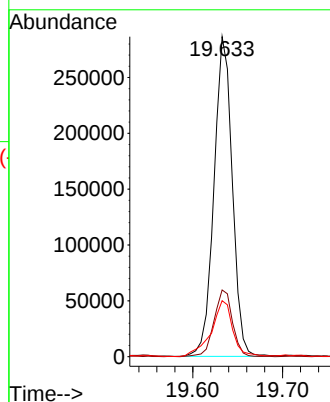
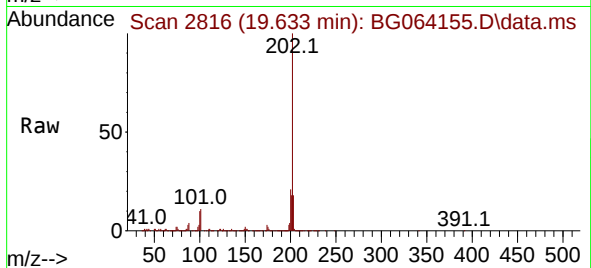
Tgt Ion:202 Resp: 40650
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.3 25.9
 203 17.5 13.6 20.4

Manual Integrations

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Reviewed By :Anahy Claudio 04/03/2025

Supervised By :Jagrut Upadhyay 04/03/2025



#79

Terphenyl-d14

Concen: 62.668 ng

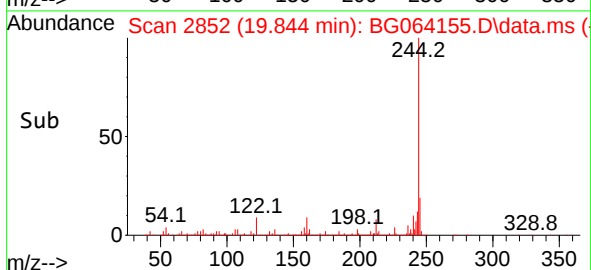
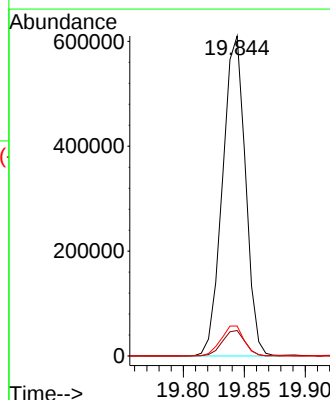
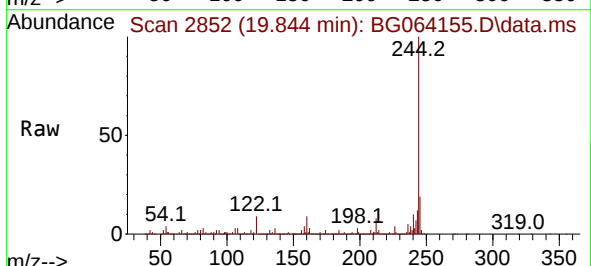
RT: 19.844 min Scan# 2852

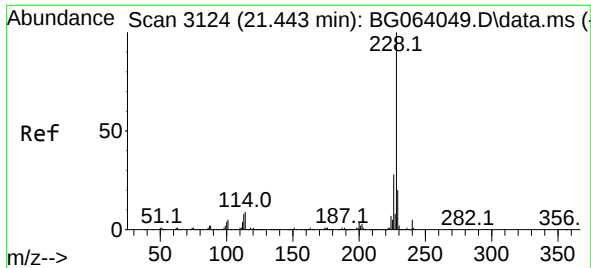
Delta R.T. -0.007 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

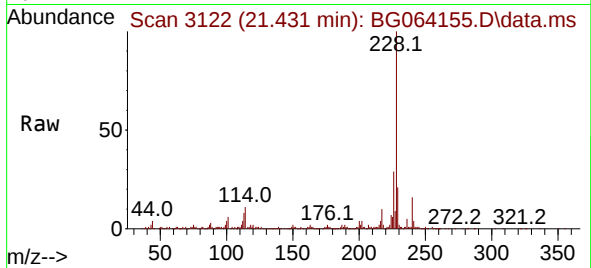
Tgt Ion:244 Resp: 797353
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.4
 122 9.3 8.0 12.0





#81
Benzo(a)anthracene
Concen: 11.797 ng
RT: 21.431 min Scan# 3122
Delta R.T. -0.012 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

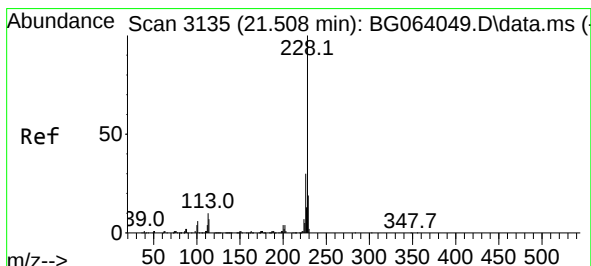
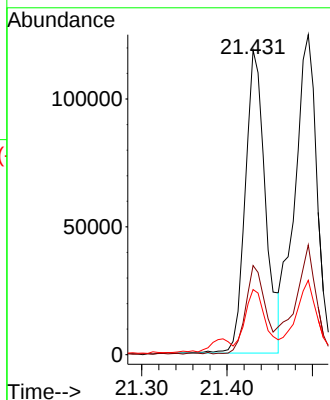
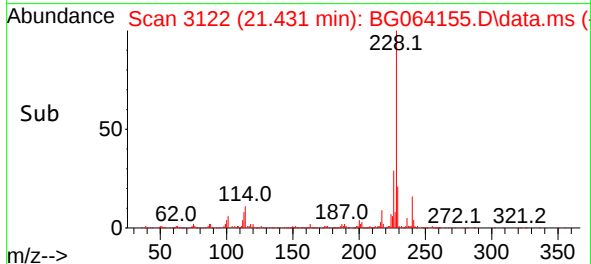
Instrument :
BNA_G
ClientSampleId :
72-11991



Tgt Ion:228 Resp: 194420
Ion Ratio Lower Upper
228 100
226 29.3 22.2 33.2
229 21.4 16.4 24.6

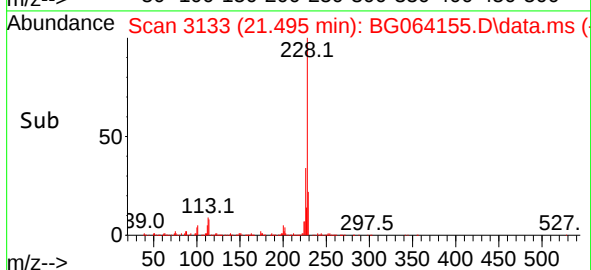
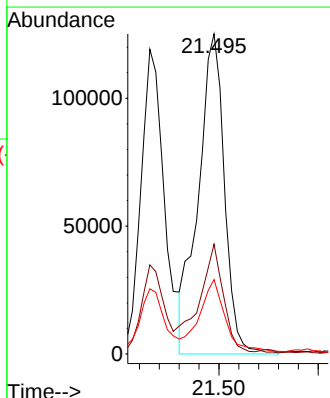
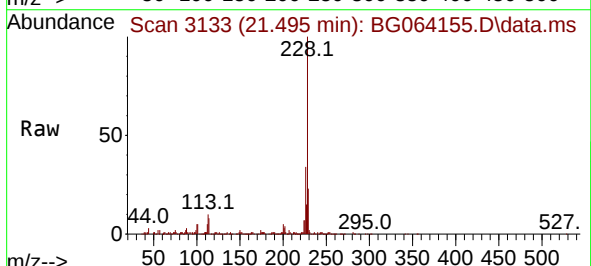
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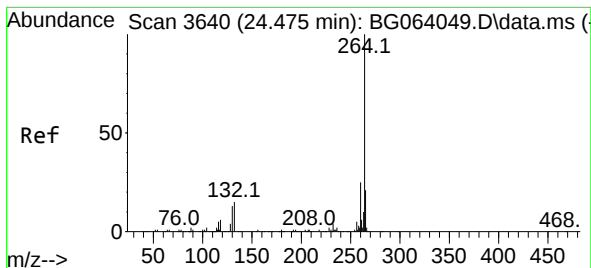
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025



#83
Chrysene
Concen: 14.020 ng m
RT: 21.495 min Scan# 3133
Delta R.T. -0.012 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

Tgt Ion:228 Resp: 230448
Ion Ratio Lower Upper
228 100
226 34.3 23.9 35.9
229 23.3 15.3 22.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.462 min Scan# 30

Delta R.T. -0.012 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

Instrument :

BNA_G

ClientSampleId :

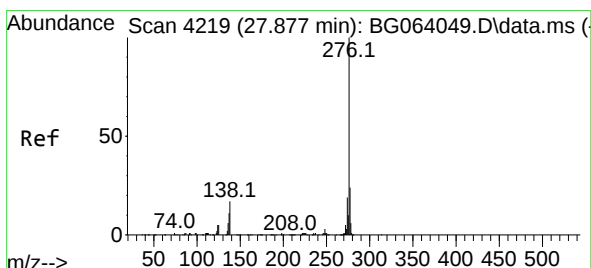
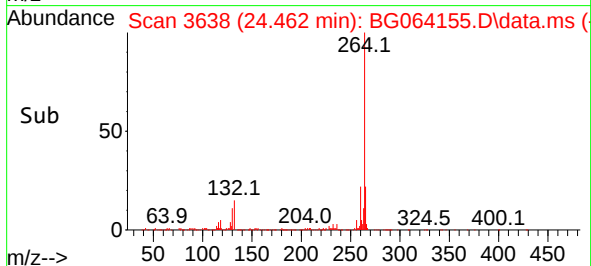
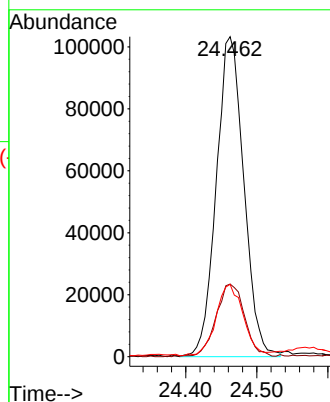
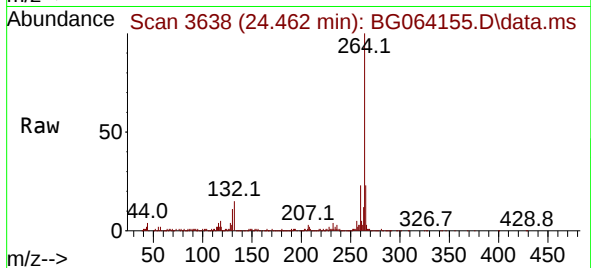
72-11991

Tgt Ion:264 Resp: 277239
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.6 29.4
 265 22.6 16.6 25.0

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Reviewed By :Anahy Claudio 04/03/2025
 Supervised By :Jagrut Upadhyay 04/03/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.613 ng

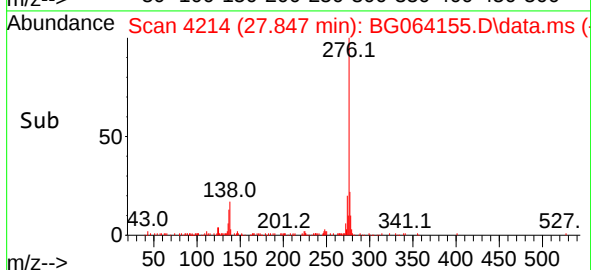
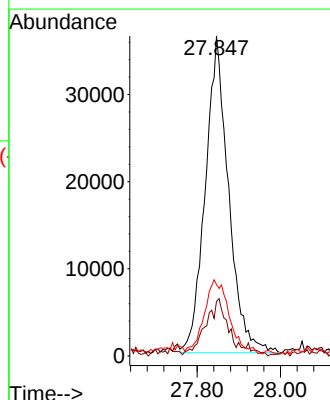
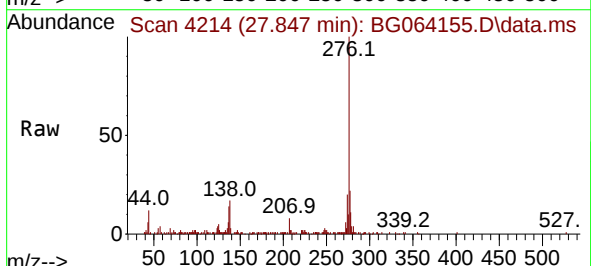
RT: 27.847 min Scan# 4214

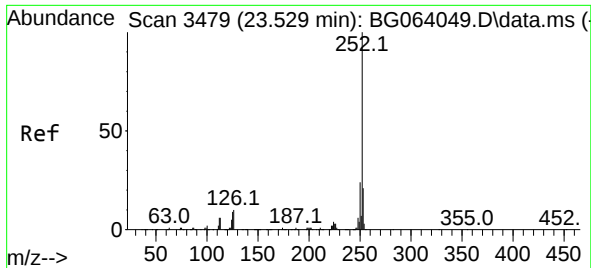
Delta R.T. -0.030 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

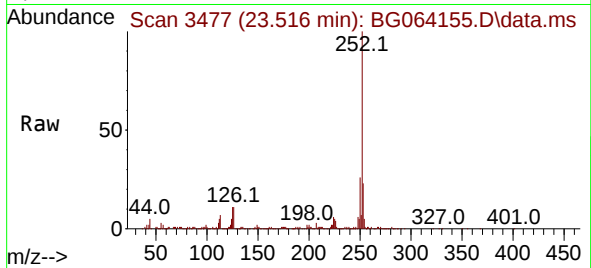
Tgt Ion:276 Resp: 141212
 Ion Ratio Lower Upper
 276 100
 138 16.8 12.1 18.1
 277 25.2 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 17.908 ng
RT: 23.516 min Scan# 3479
Delta R.T. -0.012 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

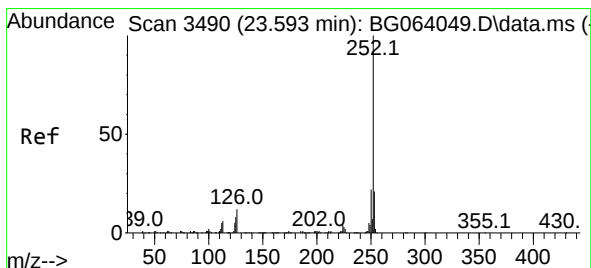
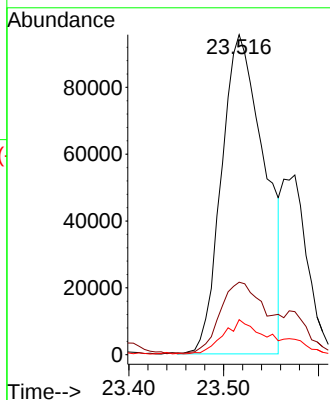
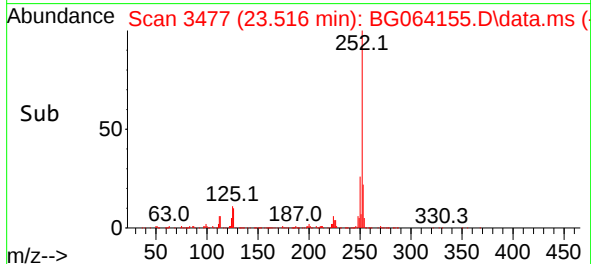
Instrument :
BNA_G
ClientSampleId :
72-11991



Tgt Ion:252 Resp: 30014
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 11.0 7.4 11.2

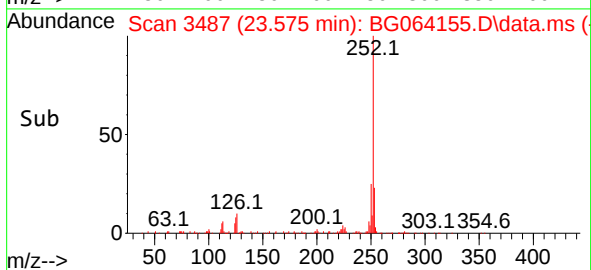
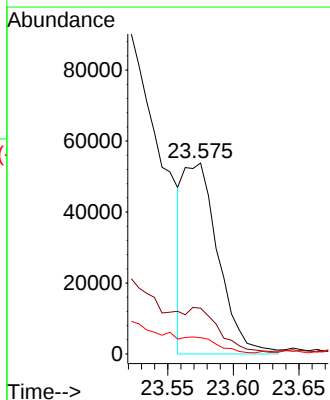
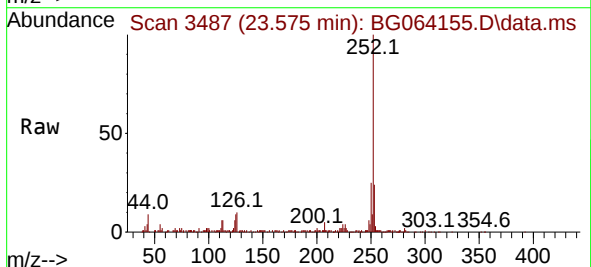
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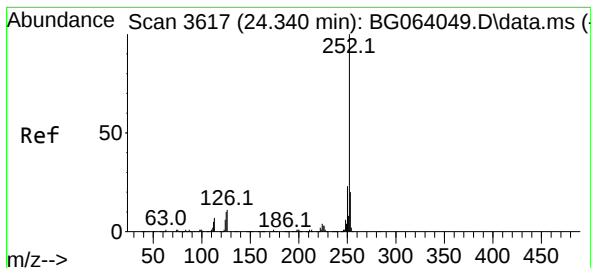
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025



#89
Benzo(k)fluoranthene
Concen: 5.917 ng m
RT: 23.575 min Scan# 3487
Delta R.T. -0.018 min
Lab File: BG064155.D
Acq: 2 Apr 2025 16:24

Tgt Ion:252 Resp: 99489
Ion Ratio Lower Upper
252 100
253 24.0 16.8 25.2
125 8.5 6.9 10.3





#90

Benzo(a)pyrene

Concen: 12.751 ng

RT: 24.321 min Scan# 30

Delta R.T. -0.018 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

Instrument :

BNA_G

ClientSampleId :

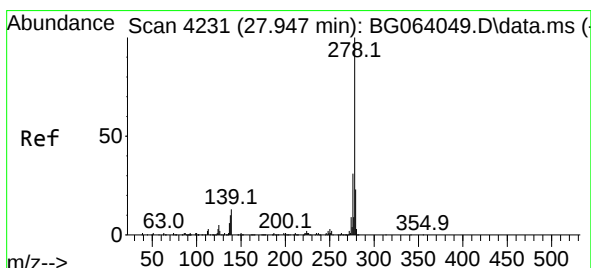
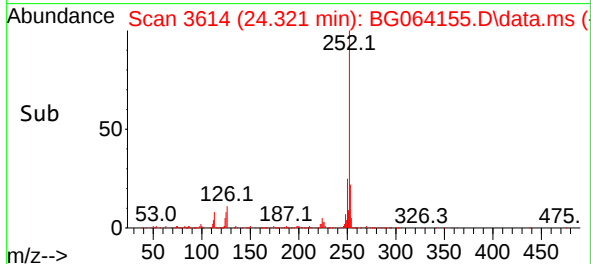
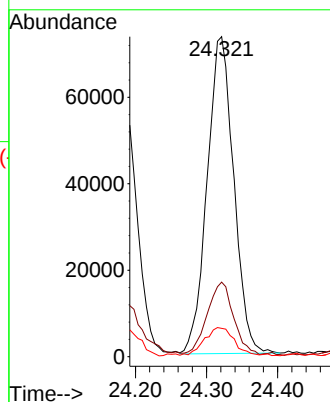
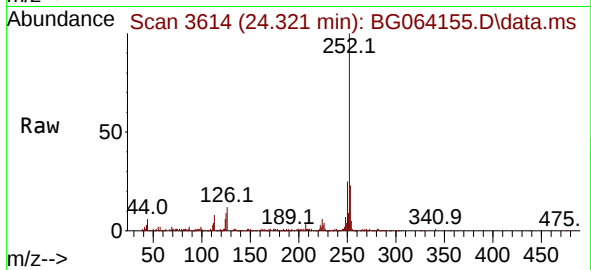
72-11991

Tgt Ion:252 Resp: 19032
 Ion Ratio Lower Upper
 252 100
 253 23.3 16.2 24.2
 125 8.9 7.8 11.6

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Reviewed By :Anahy Claudio 04/03/2025
 Supervised By :Jagrut Upadhyay 04/03/2025



#91

Dibenzo(a,h)anthracene

Concen: 2.658 ng m

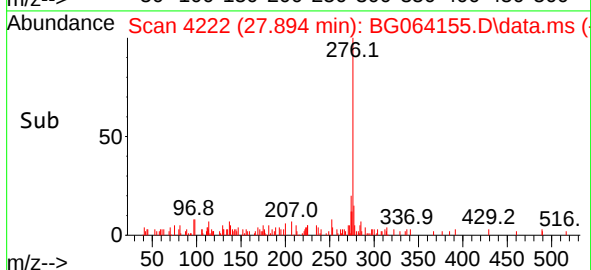
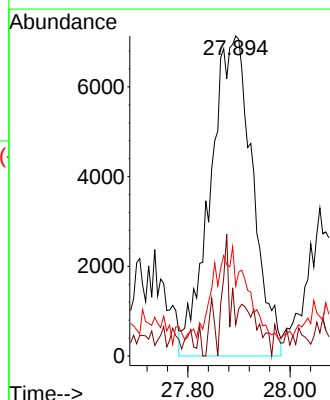
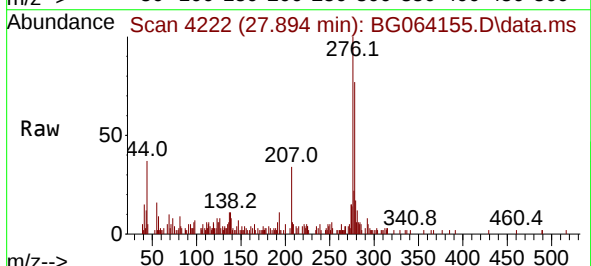
RT: 27.894 min Scan# 4222

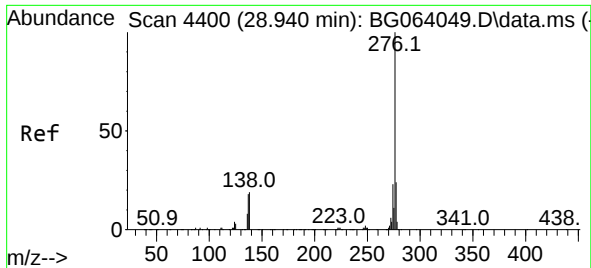
Delta R.T. -0.053 min

Lab File: BG064155.D

Acq: 2 Apr 2025 16:24

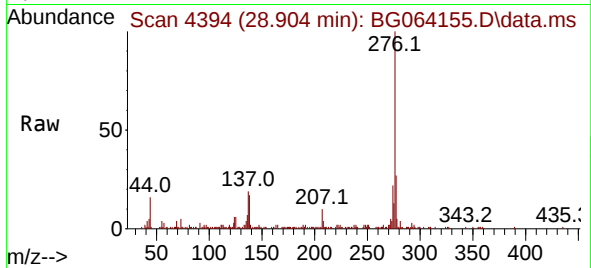
Tgt Ion:278 Resp: 40880
 Ion Ratio Lower Upper
 278 100
 139 9.7 10.2 15.2#
 279 21.9 18.1 27.1





#92
 Benzo(g,h,i)perylene
 Concen: 8.423 ng
 RT: 28.904 min Scan# 41
 Delta R.T. -0.036 min
 Lab File: BG064155.D
 Acq: 2 Apr 2025 16:24

Instrument :
 BNA_G
 ClientSampleId :
 72-11991



Tgt Ion:276 Resp: 132998
 Ion Ratio Lower Upper
 276 100
 277 26.6 19.5 29.3
 138 17.3 15.4 23.0

Manual Integrations
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Reviewed By :Anahy Claudio 04/03/2025
 Supervised By :Jagrut Upadhyay 04/03/2025

