

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
 Data File : BM050256.D
 Acq On : 10 Jun 2025 00:15
 Operator : RC/JU
 Sample : Q2236-19
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-A2-07-C

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/10/2025
 Supervised By :Jagrut Upadhyay 06/10/2025

Quant Time: Jun 10 07:46:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 09 11:54:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	372220	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	1448451	20.000	ng	0.00
39) Acenaphthene-d10	14.398	164	829081	20.000	ng	0.00
64) Phenanthrene-d10	17.133	188	1500989	20.000	ng	0.00
76) Chrysene-d12	21.362	240	1402387	20.000	ng	-0.01
86) Perylene-d12	24.338	264	1434274	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	3174322	142.261	ng	0.00
7) Phenol-d6	6.934	99	3651067	124.298	ng	0.00
23) Nitrobenzene-d5	8.916	82	2629870	94.428	ng	0.00
42) 2,4,6-Tribromophenol	15.880	330	1394367	147.862	ng	0.00
45) 2-Fluorobiphenyl	13.021	172	5297450	86.505	ng	0.00
79) Terphenyl-d14	19.762	244	6946519	93.867	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.604	128	23545755m	314.413	ng	
37) 2-Methylnaphthalene	12.221	142	5285669	116.996	ng	99
38) 1-Methylnaphthalene	12.439	142	3546936	73.970	ng	100
46) 1,1'-Biphenyl	13.233	154	635306	10.234	ng	98
49) Acenaphthylene	14.115	152	279738	3.583	ng	# 95
52) Acenaphthene	14.462	154	1884550	38.596	ng	98
58) Fluorene	15.445	166	770683	14.086	ng	99
71) Phenanthrene	17.174	178	1541989	17.983	ng	99
72) Anthracene	17.262	178	245778	2.865	ng	99
73) Carbazole	17.527	167	191114	2.446	ng	99

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

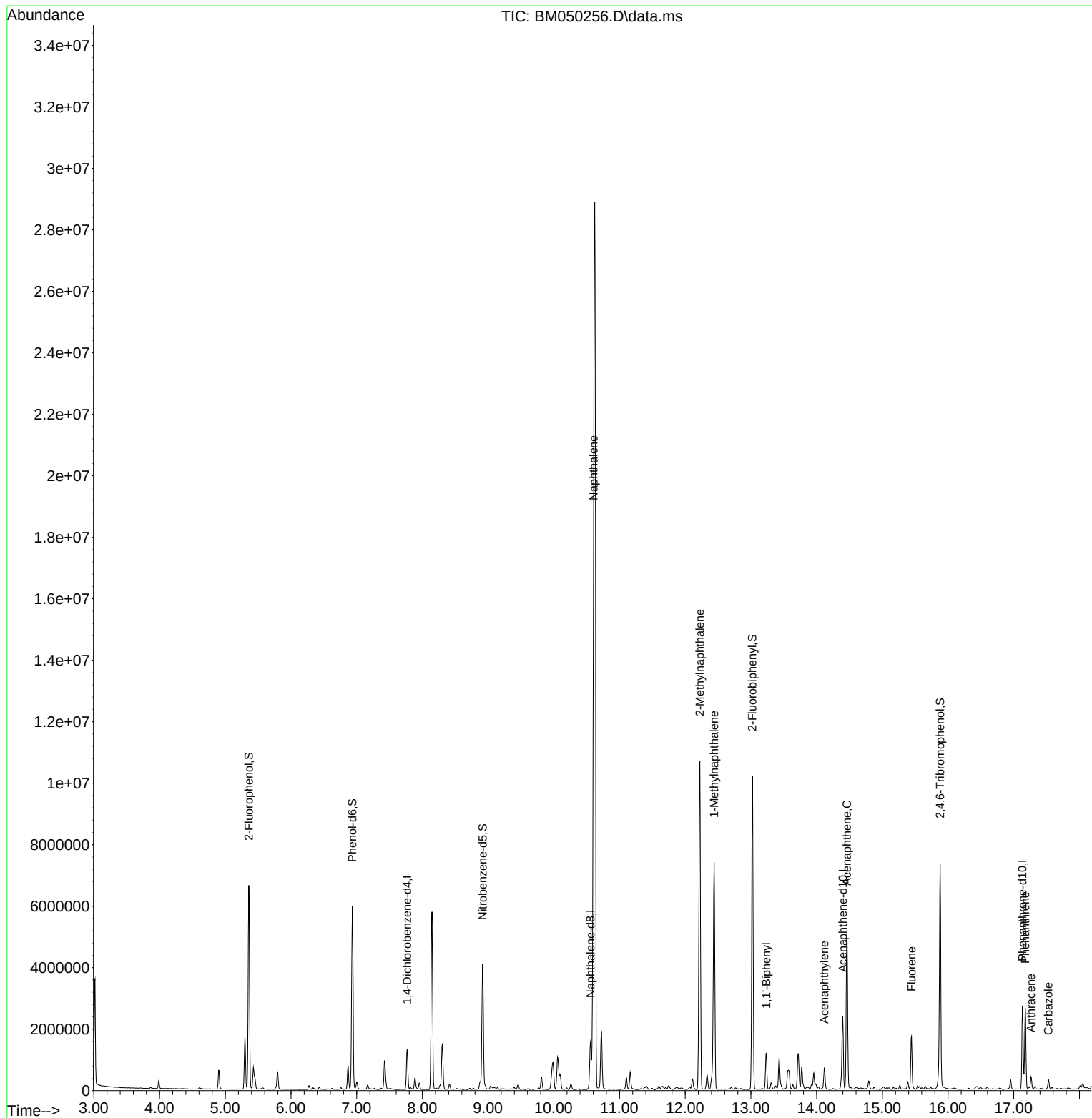
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050256.D
Acq On : 10 Jun 2025 00:15
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QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration



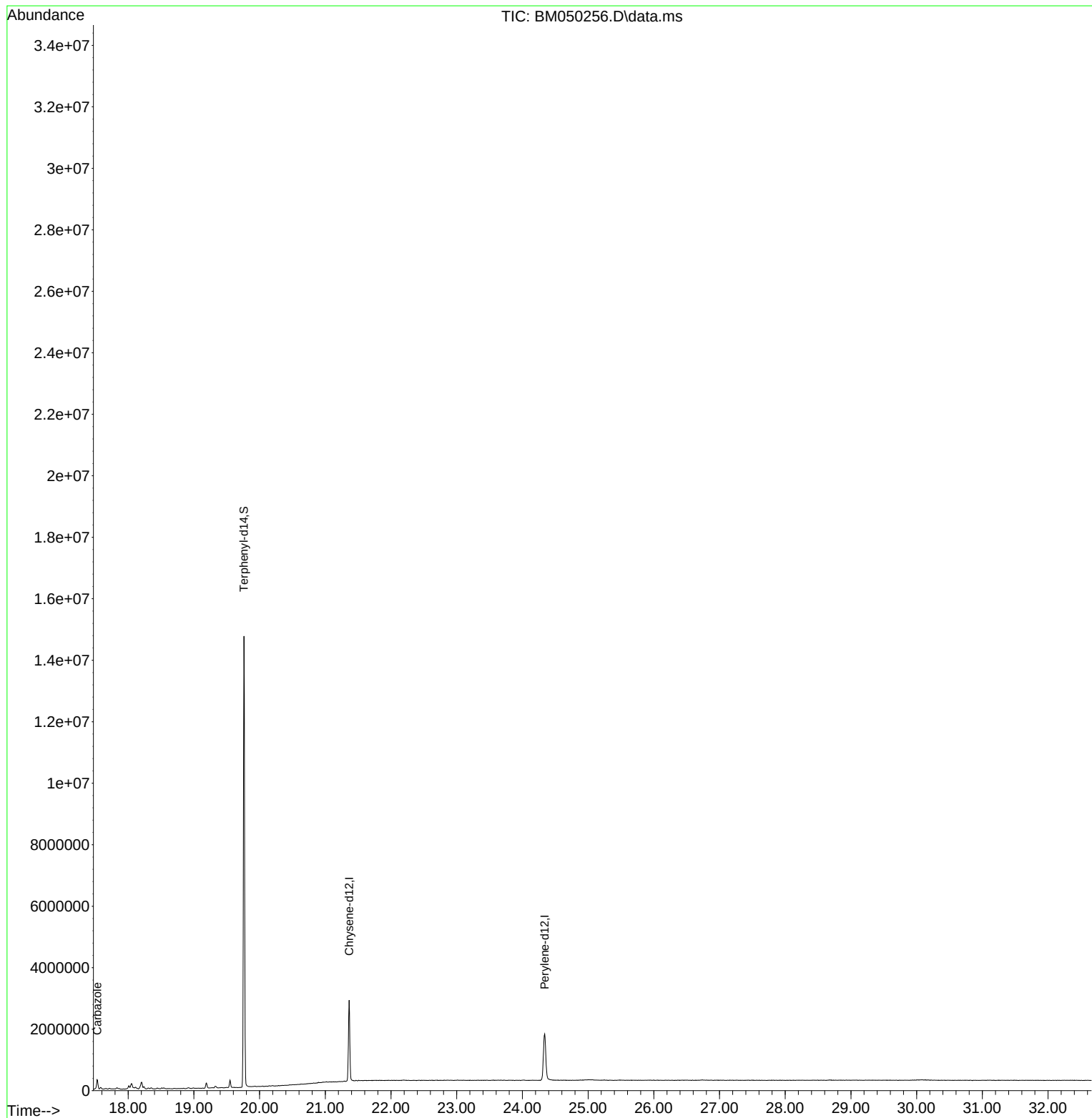
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Data File : BM050256.D
Acq On : 10 Jun 2025 00:15
Operator : RC/JU
Sample : Q2236-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

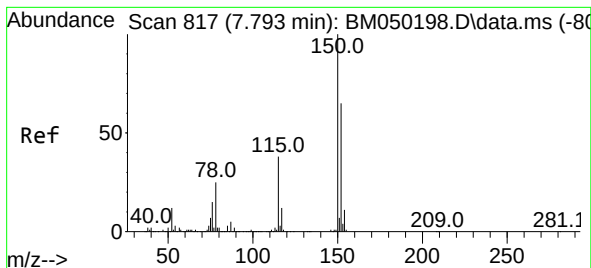
Instrument :
BNA_M
ClientSampleId :
WC-A2-07-C

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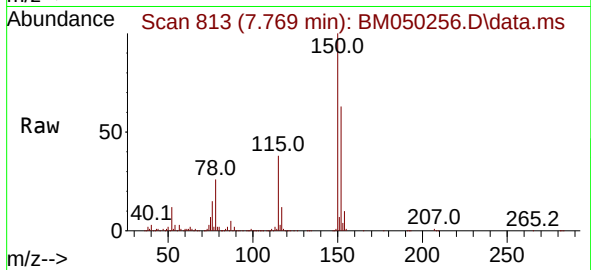
Quant Time: Jun 10 07:46:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 817
Delta R.T. -0.000 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

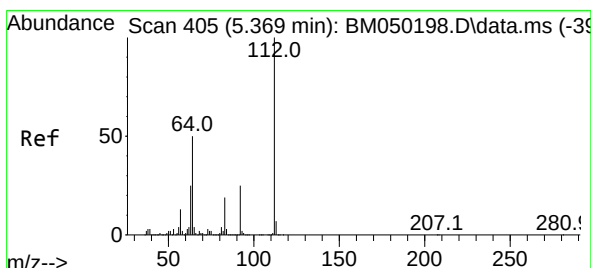
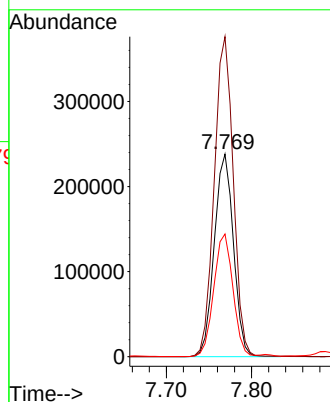
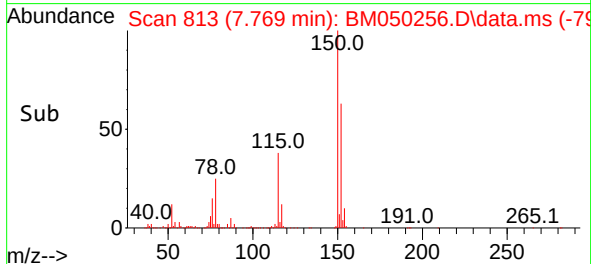
Instrument :
BNA_M
ClientSampleId :
WC-A2-07-C



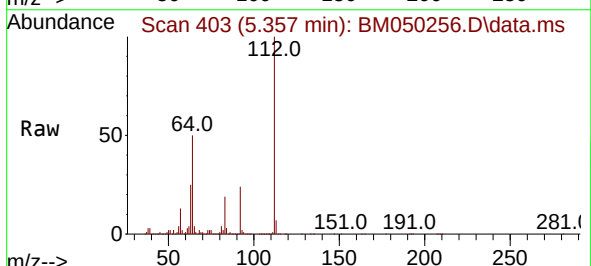
Tgt Ion:152 Resp: 372220
Ion Ratio Lower Upper
152 100
150 158.0 122.2 183.4
115 60.6 46.3 69.5

Manual Integrations
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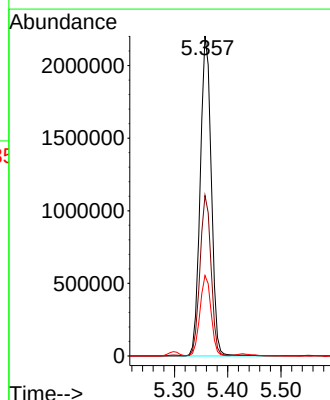
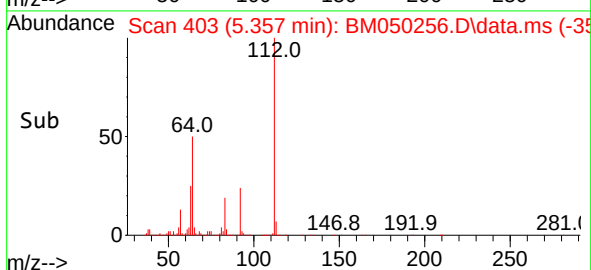
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

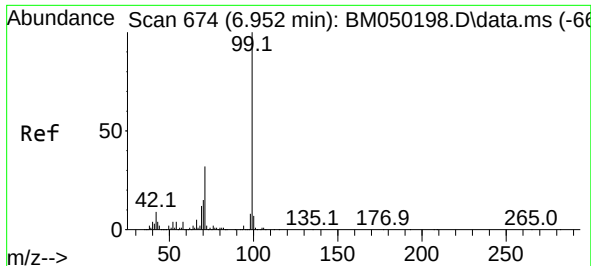


#5
2-Fluorophenol
Concen: 142.261 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.000 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15



Tgt Ion:112 Resp: 3174322
Ion Ratio Lower Upper
112 100
64 50.2 39.8 59.6
63 25.2 19.8 29.8





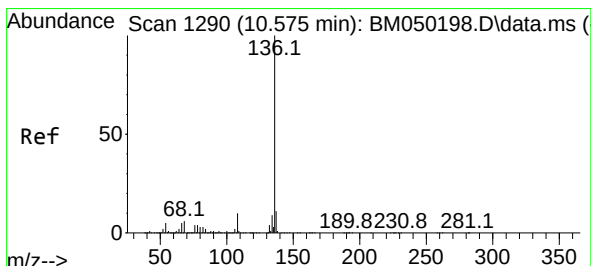
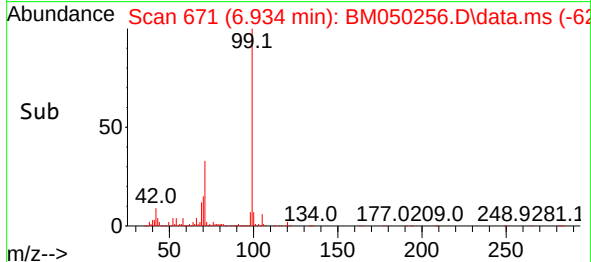
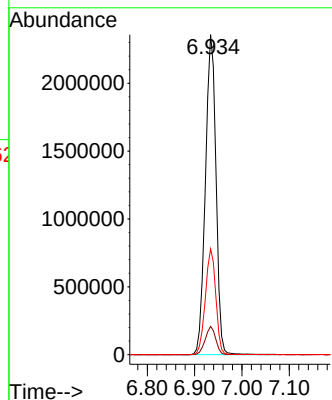
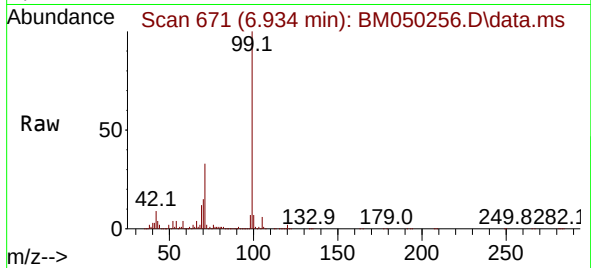
#7
Phenol-d6
Concen: 124.298 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

Instrument :
BNA_M
ClientSampleId :
WC-A2-07-C

Tgt Ion: 99 Resp: 365106
Ion Ratio Lower Upper
99 100
42 8.9 6.9 10.3
71 33.1 25.3 37.9

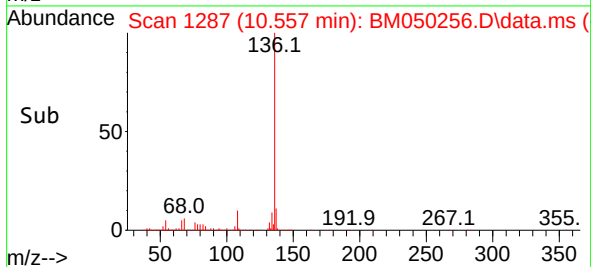
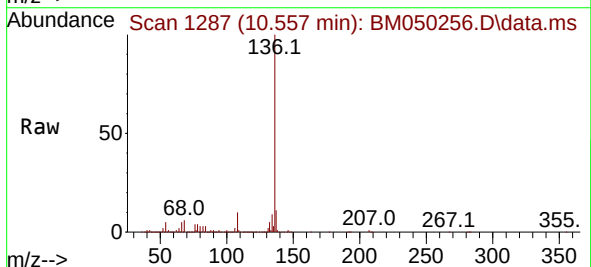
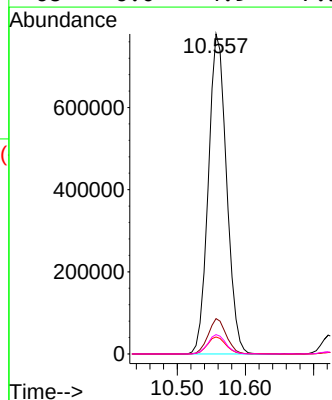
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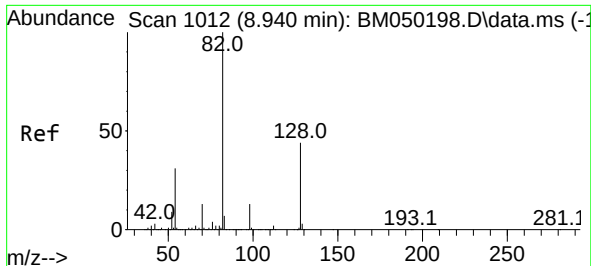
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.000 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

Tgt Ion:136 Resp: 1448451
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 5.3 3.8 5.8
68 6.0 4.9 7.3





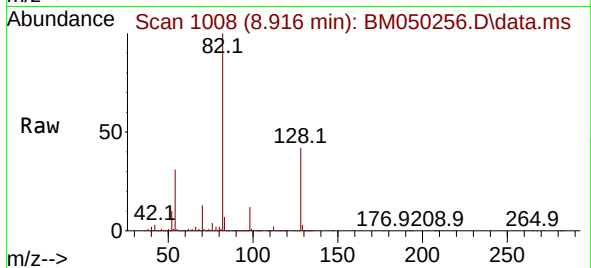
#23
Nitrobenzene-d5
Concen: 94.428 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

Instrument :

BNA_M

ClientSampleId :

WC-A2-07-C



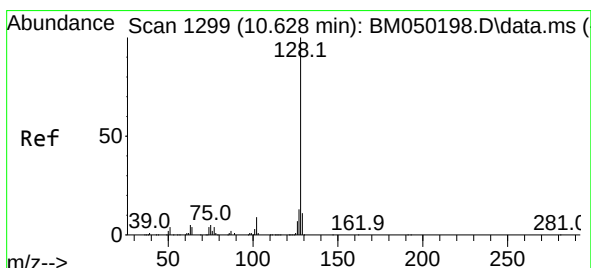
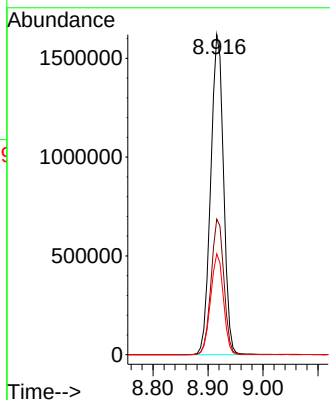
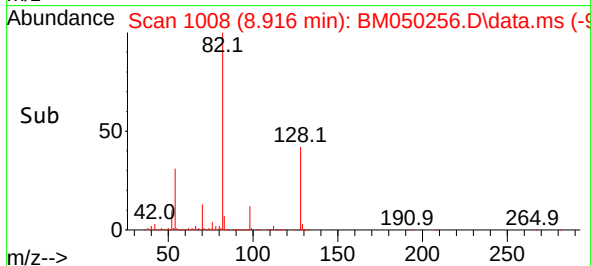
Tgt Ion: 82 Resp: 2629870
Ion Ratio Lower Upper
82 100
128 42.4 35.2 52.8
54 31.5 24.5 36.7

Manual Integrations

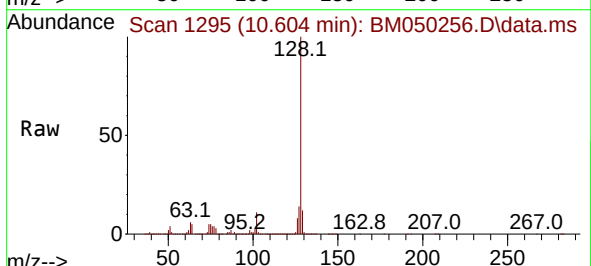
APPROVED

Reviewed By :Rahul Chavli 06/10/2025

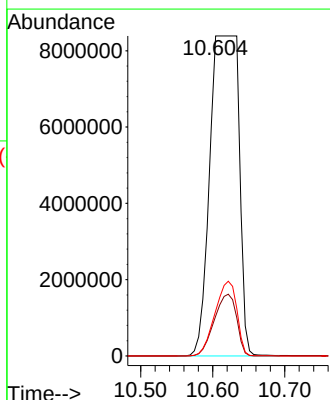
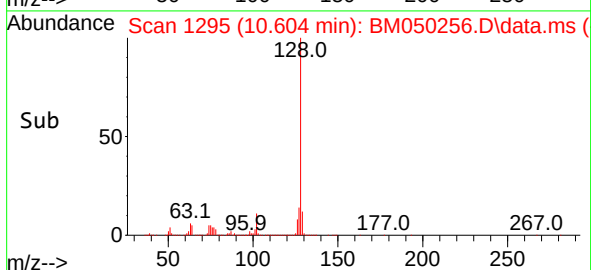
Supervised By :Jagrut Upadhyay 06/10/2025

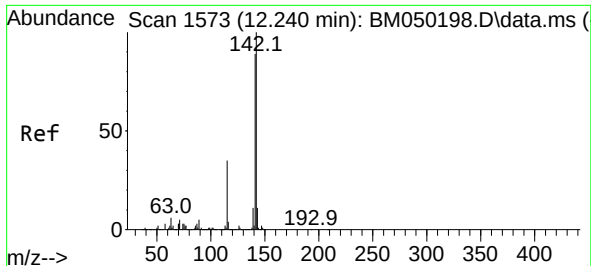


#31
Naphthalene
Concen: 314.413 ng m
RT: 10.604 min Scan# 1295
Delta R.T. -0.000 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15



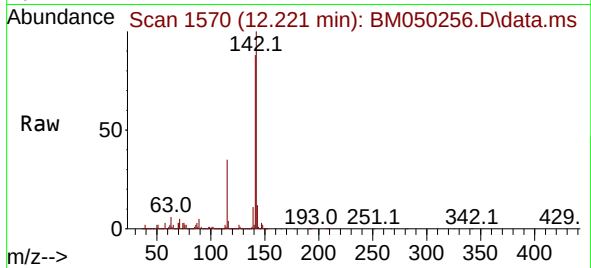
Tgt Ion:128 Resp:23545755
Ion Ratio Lower Upper
128 100
129 12.4 8.6 12.8
127 14.0 10.2 15.4





#37
2-Methylnaphthalene
Concen: 116.996 ng
RT: 12.221 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

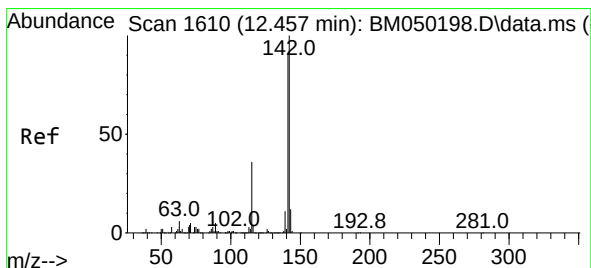
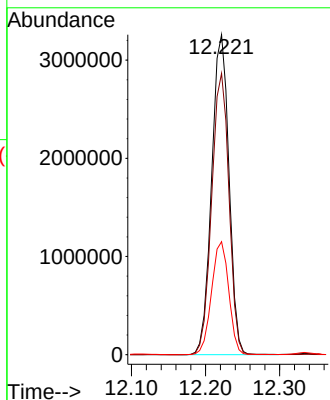
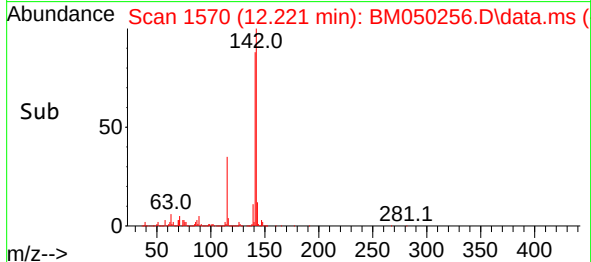
Instrument :
BNA_M
ClientSampleId :
WC-A2-07-C



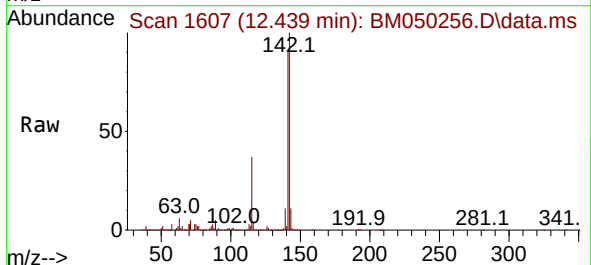
Tgt Ion:142 Resp: 528566
Ion Ratio Lower Upper
142 100
141 87.9 71.5 107.3
115 35.3 27.8 41.8

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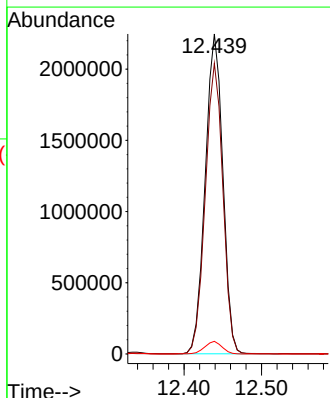
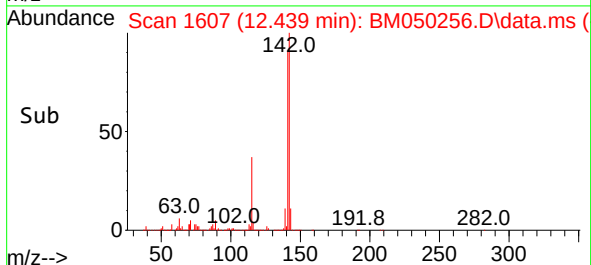
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

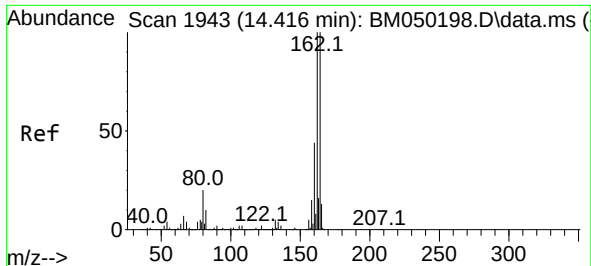


#38
1-Methylnaphthalene
Concen: 73.970 ng
RT: 12.439 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15



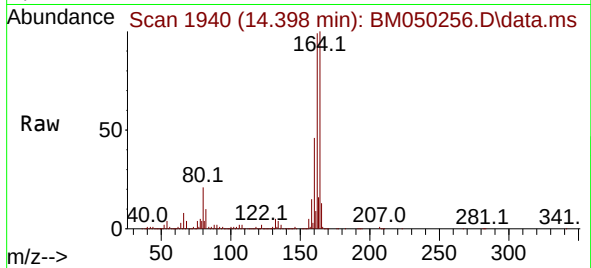
Tgt Ion:142 Resp: 3546936
Ion Ratio Lower Upper
142 100
141 90.8 72.9 109.3
116 4.0 3.0 4.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

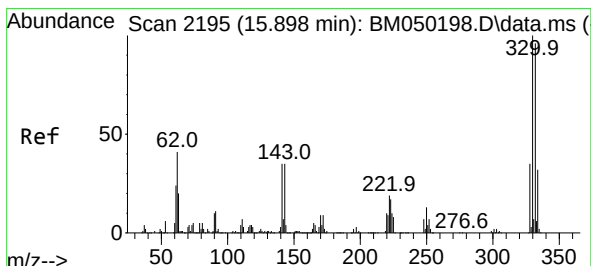
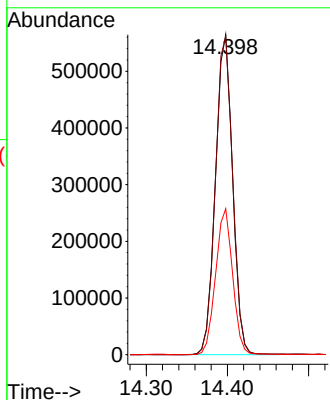
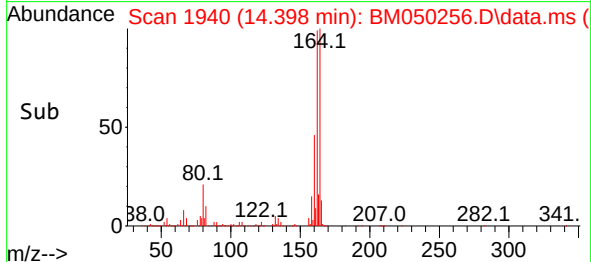
Instrument :
BNA_M
ClientSampleId :
WC-A2-07-C



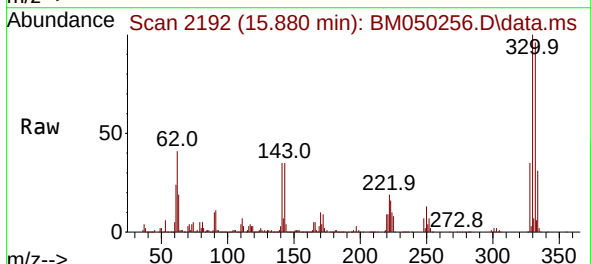
Tgt Ion:164 Resp: 82908
Ion Ratio Lower Upper
164 100
162 99.4 80.2 120.4
160 45.6 35.7 53.5

Manual Integrations
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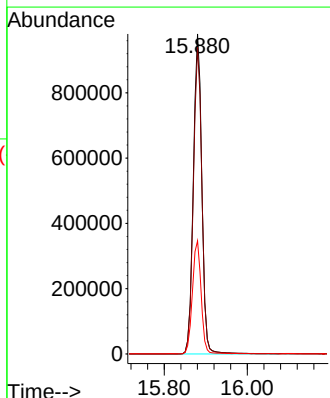
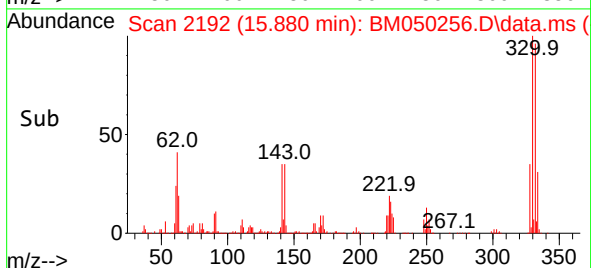
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

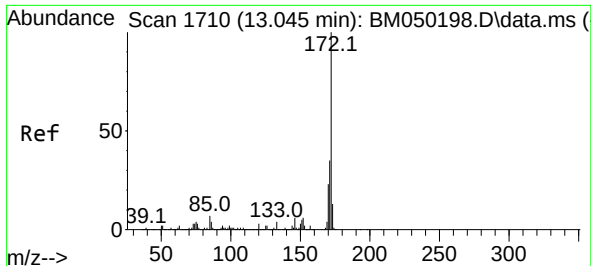


#42
2,4,6-Tribromophenol
Concen: 147.862 ng
RT: 15.880 min Scan# 2192
Delta R.T. -0.000 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15



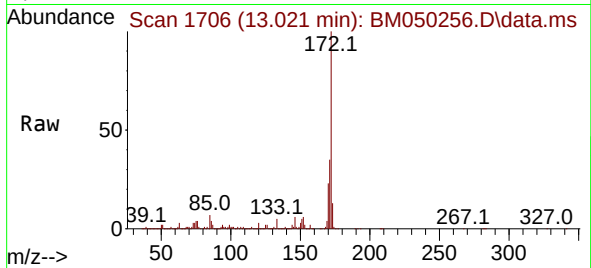
Tgt Ion:330 Resp: 1394367
Ion Ratio Lower Upper
330 100
332 96.3 77.5 116.3
141 35.9 28.8 43.2





#45
2-Fluorobiphenyl
Concen: 86.505 ng
RT: 13.021 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

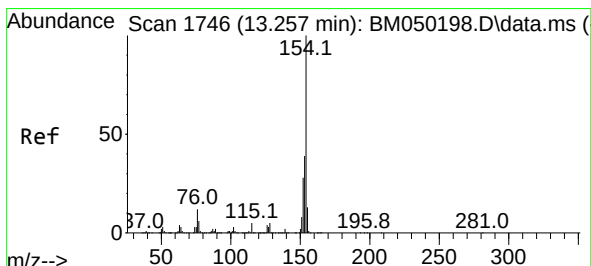
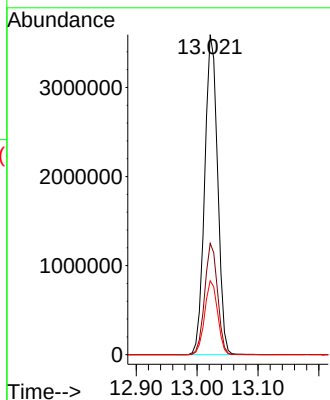
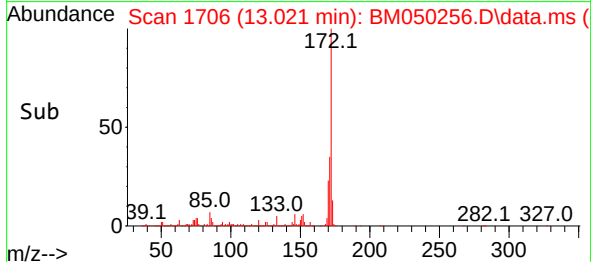
Instrument :
BNA_M
ClientSampleId :
WC-A2-07-C



Tgt Ion:172 Resp: 5297450
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.6
170 23.1 18.6 27.8

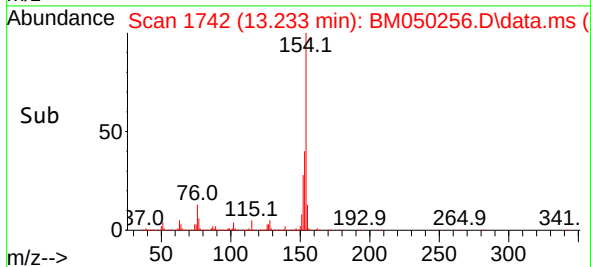
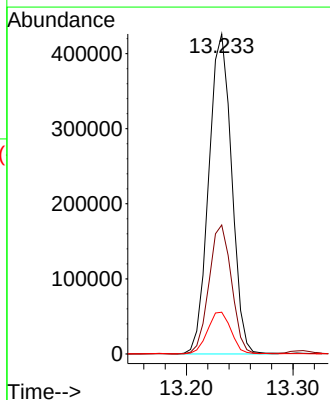
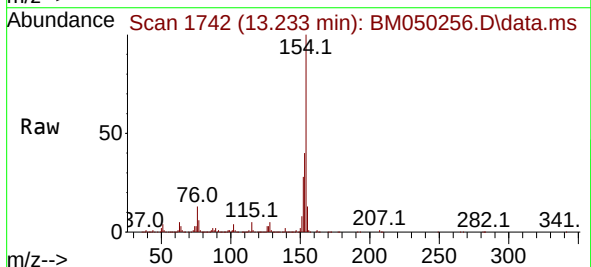
Manual Integrations
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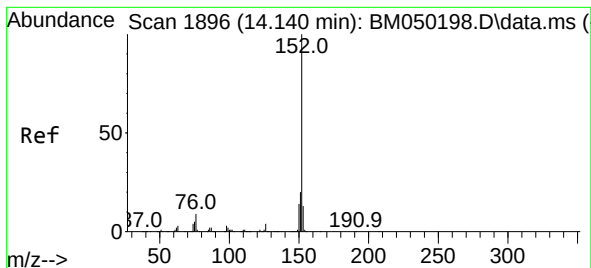
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#46
1,1'-Biphenyl
Concen: 10.234 ng
RT: 13.233 min Scan# 1742
Delta R.T. -0.000 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

Tgt Ion:154 Resp: 635306
Ion Ratio Lower Upper
154 100
153 40.3 19.2 59.2
76 13.1 0.0 32.0





#49

Acenaphthylene

Concen: 3.583 ng

RT: 14.115 min Scan# 1892

Delta R.T. -0.006 min

Lab File: BM050256.D

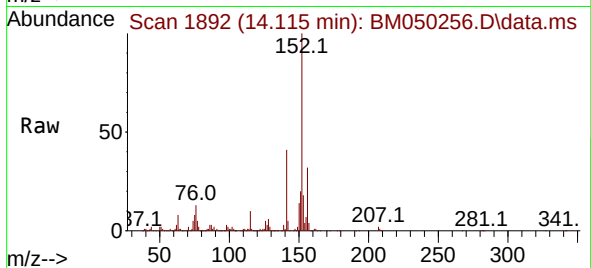
Acq: 10 Jun 2025 00:15

Instrument :

BNA_M

ClientSampleId :

WC-A2-07-C



Tgt Ion:152 Resp: 279738

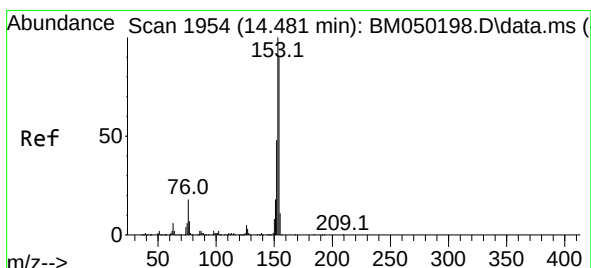
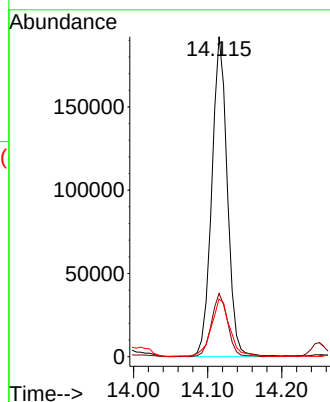
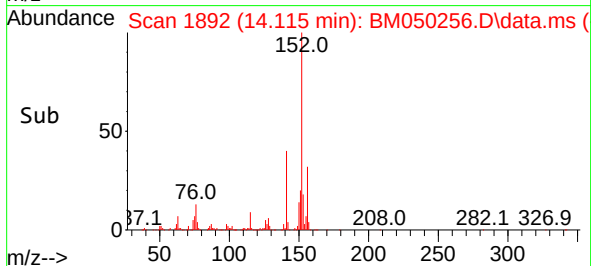
Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	18.0	10.4	15.6

Manual Integrations

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Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025



#52

Acenaphthene

Concen: 38.596 ng

RT: 14.462 min Scan# 1951

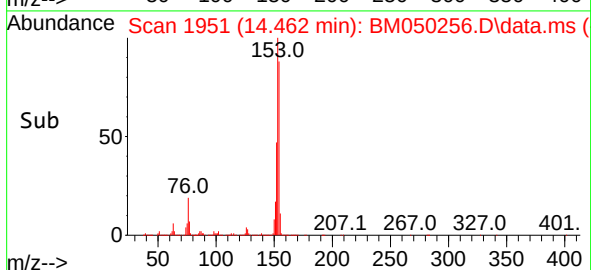
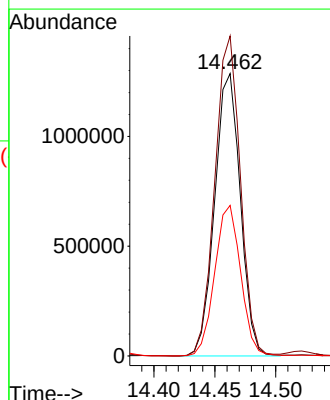
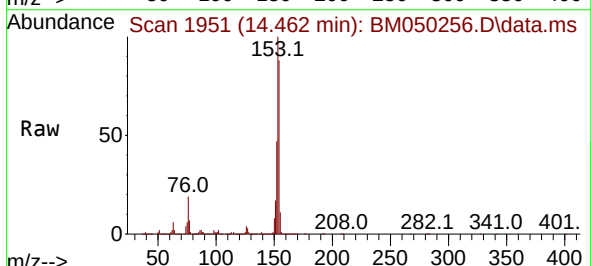
Delta R.T. -0.000 min

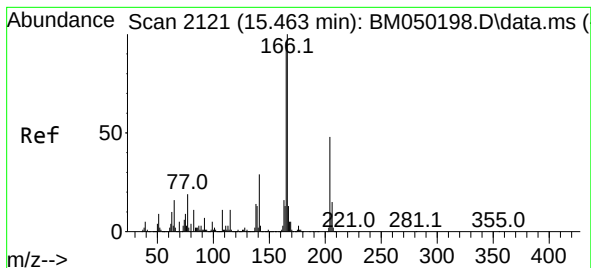
Lab File: BM050256.D

Acq: 10 Jun 2025 00:15

Tgt Ion:154 Resp: 1884550

Ion	Ratio	Lower	Upper
154	100		
153	113.3	88.7	133.1
152	53.3	42.6	63.8





#58

Fluorene

Concen: 14.086 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM050256.D

Acq: 10 Jun 2025 00:15

Instrument :

BNA_M

ClientSampleId :

WC-A2-07-C

Tgt Ion:166 Resp: 77068

Ion Ratio Lower Upper

166 100

165 97.2 77.0 115.4

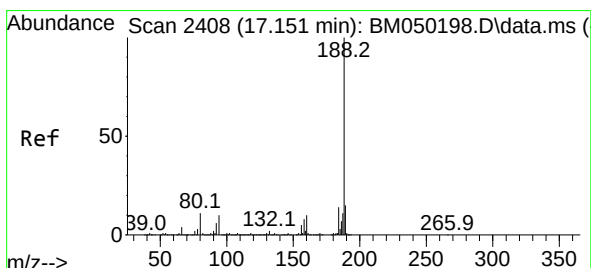
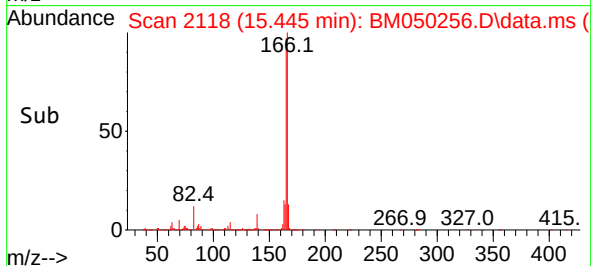
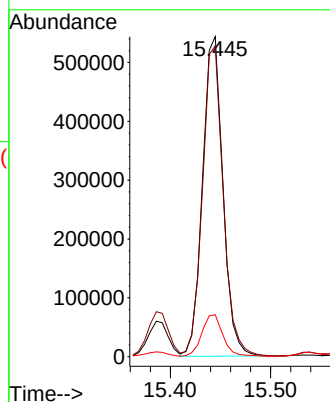
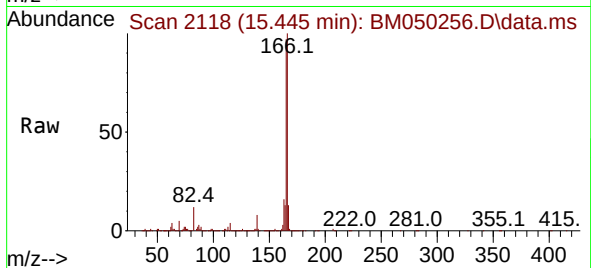
167 13.1 10.7 16.1

Manual Integrations

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Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.133 min Scan# 2405

Delta R.T. -0.006 min

Lab File: BM050256.D

Acq: 10 Jun 2025 00:15

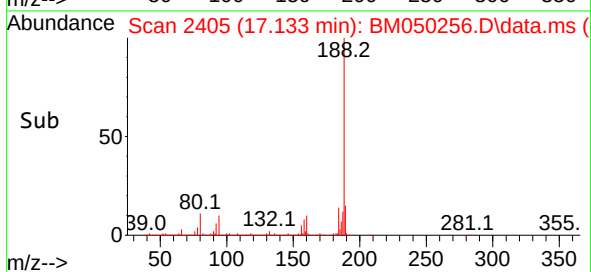
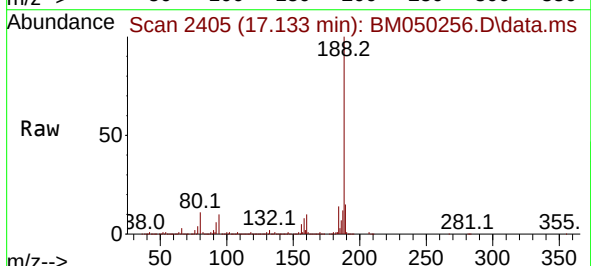
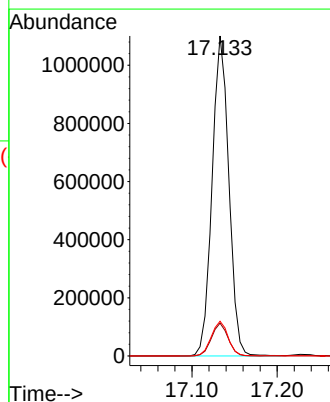
Tgt Ion:188 Resp: 1500989

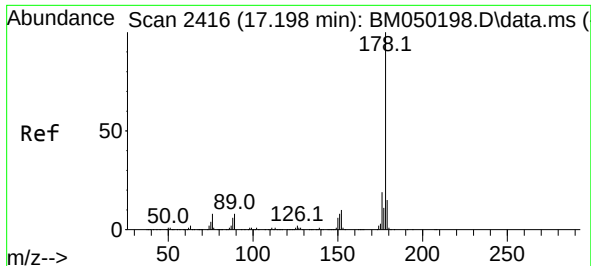
Ion Ratio Lower Upper

188 100

94 10.3 8.1 12.1

80 10.9 8.6 13.0





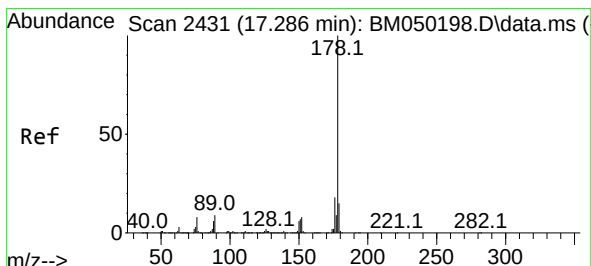
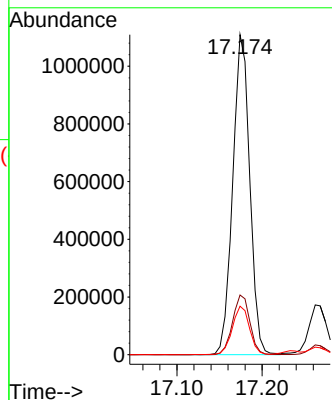
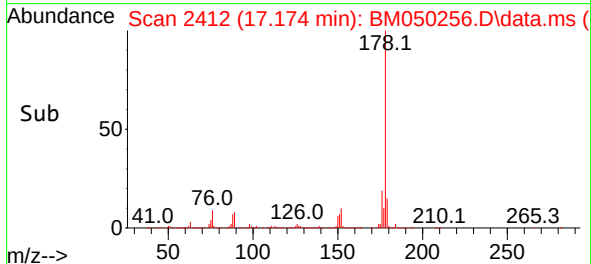
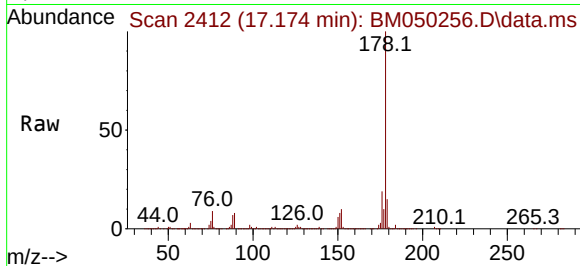
#71
Phenanthrene
Concen: 17.983 ng
RT: 17.174 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

Instrument :
BNA_M
ClientSampleId :
WC-A2-07-C

Tgt Ion:178 Resp: 1541989
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 15.1 12.3 18.5

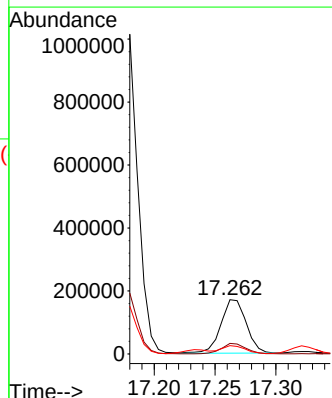
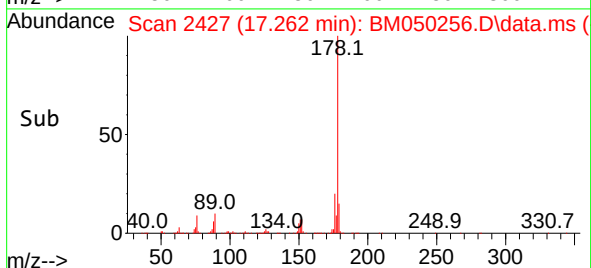
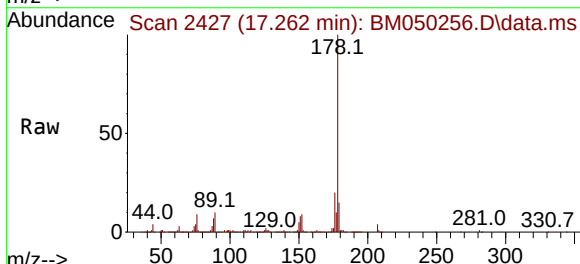
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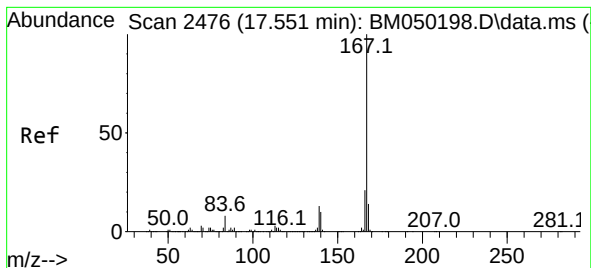
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#72
Anthracene
Concen: 2.865 ng
RT: 17.262 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

Tgt Ion:178 Resp: 245778
Ion Ratio Lower Upper
178 100
176 19.5 14.8 22.2
179 15.3 12.3 18.5





#73

Carbazole

Concen: 2.446 ng

RT: 17.527 min Scan# 2476

Delta R.T. -0.006 min

Lab File: BM050256.D

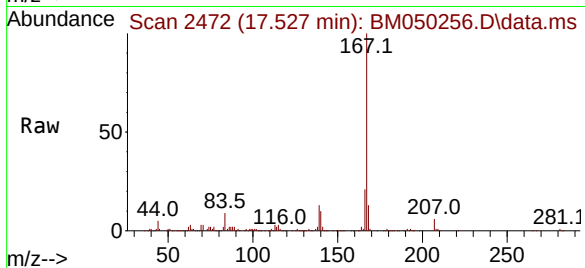
Acq: 10 Jun 2025 00:15

Instrument :

BNA_M

ClientSampleId :

WC-A2-07-C



Tgt Ion:167 Resp: 191114

Ion Ratio Lower Upper

167 100

166 21.1 17.0 25.6

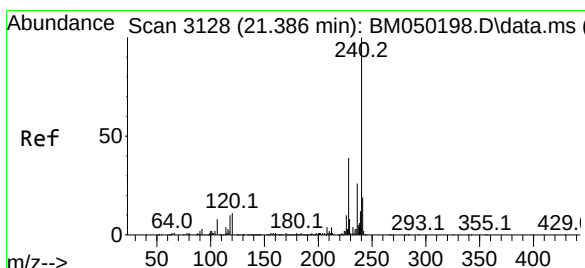
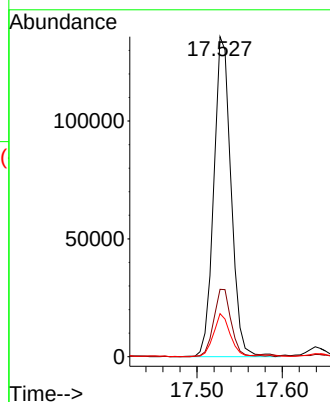
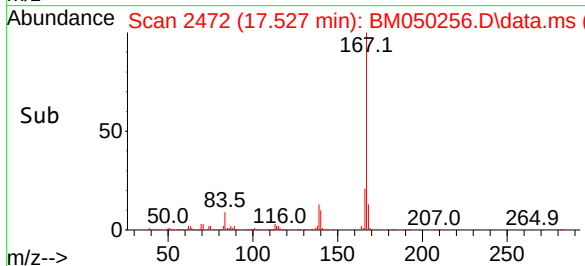
139 13.4 10.2 15.4

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Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.362 min Scan# 3124

Delta R.T. -0.012 min

Lab File: BM050256.D

Acq: 10 Jun 2025 00:15

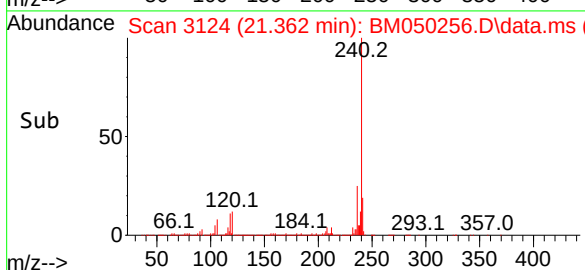
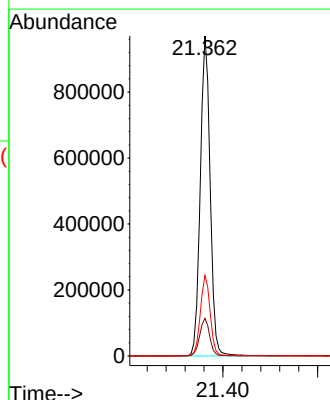
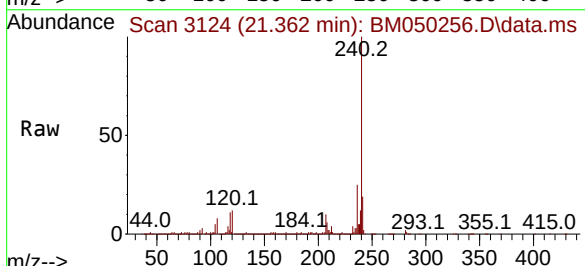
Tgt Ion:240 Resp: 1402387

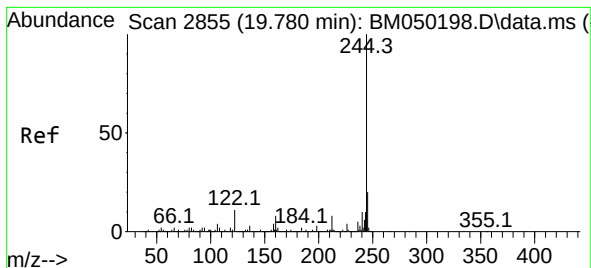
Ion Ratio Lower Upper

240 100

120 11.8 9.0 13.4

236 25.1 20.7 31.1





#79

Terphenyl-d14

Concen: 93.867 ng

RT: 19.762 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM050256.D

Acq: 10 Jun 2025 00:15

Instrument :

BNA_M

ClientSampleId :

WC-A2-07-C

Tgt Ion:244 Resp: 6946519

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

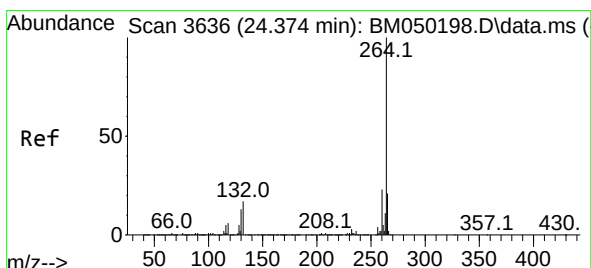
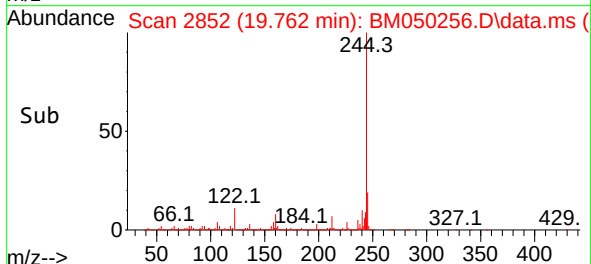
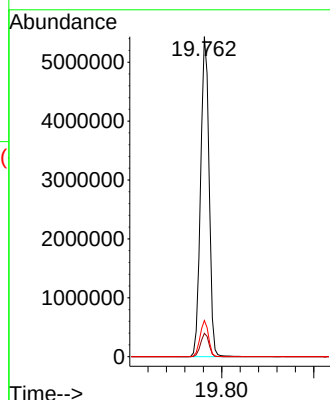
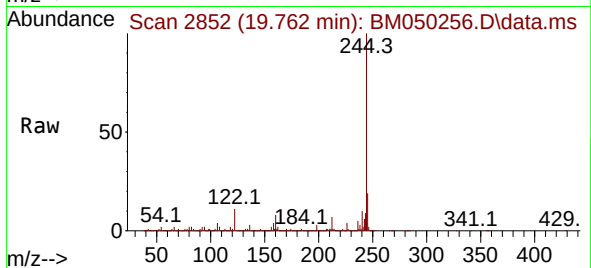
122 11.3 8.6 12.8

Manual Integrations

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Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.338 min Scan# 3630

Delta R.T. -0.006 min

Lab File: BM050256.D

Acq: 10 Jun 2025 00:15

Tgt Ion:264 Resp: 1434274

Ion Ratio Lower Upper

264 100

260 22.9 18.6 28.0

265 21.7 16.8 25.2

