

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050825\
 Data File : BM050154.D
 Acq On : 08 May 2025 19:56
 Operator : RC/JU
 Sample : Q1968-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MH-M

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/09/2025
 Supervised By :Jagrut Upadhyay 05/09/2025

Quant Time: May 09 01:56:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 08 12:03:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.739	152	301795	20.000	ng	-0.03
21) Naphthalene-d8	10.533	136	1063810	20.000	ng	-0.03
39) Acenaphthene-d10	14.392	164	713816	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1441168	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1493698	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1553245	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1423819	82.613	ng	-0.02
7) Phenol-d6	6.934	99	1772074	81.806	ng	-0.02
23) Nitrobenzene-d5	8.904	82	1057081	48.965	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	901874	85.447	ng	-0.01
45) 2-Fluorobiphenyl	13.004	172	2626478	43.528	ng	-0.03
79) Terphenyl-d14	19.762	244	4365600	43.248	ng	-0.02
Target Compounds						Qvalue
75) Fluoranthene	19.203	202	274106	2.872	ng	98
78) Pyrene	19.568	202	389260	3.711	ng	99
81) Benzo(a)anthracene	21.362	228	218764	2.127	ng	96
83) Chrysene	21.427	228	238627m	2.507	ng	
88) Benzo(b)fluoranthene	23.433	252	268550	2.659	ng	# 95
90) Benzo(a)pyrene	24.233	252	221543	2.342	ng	# 95

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

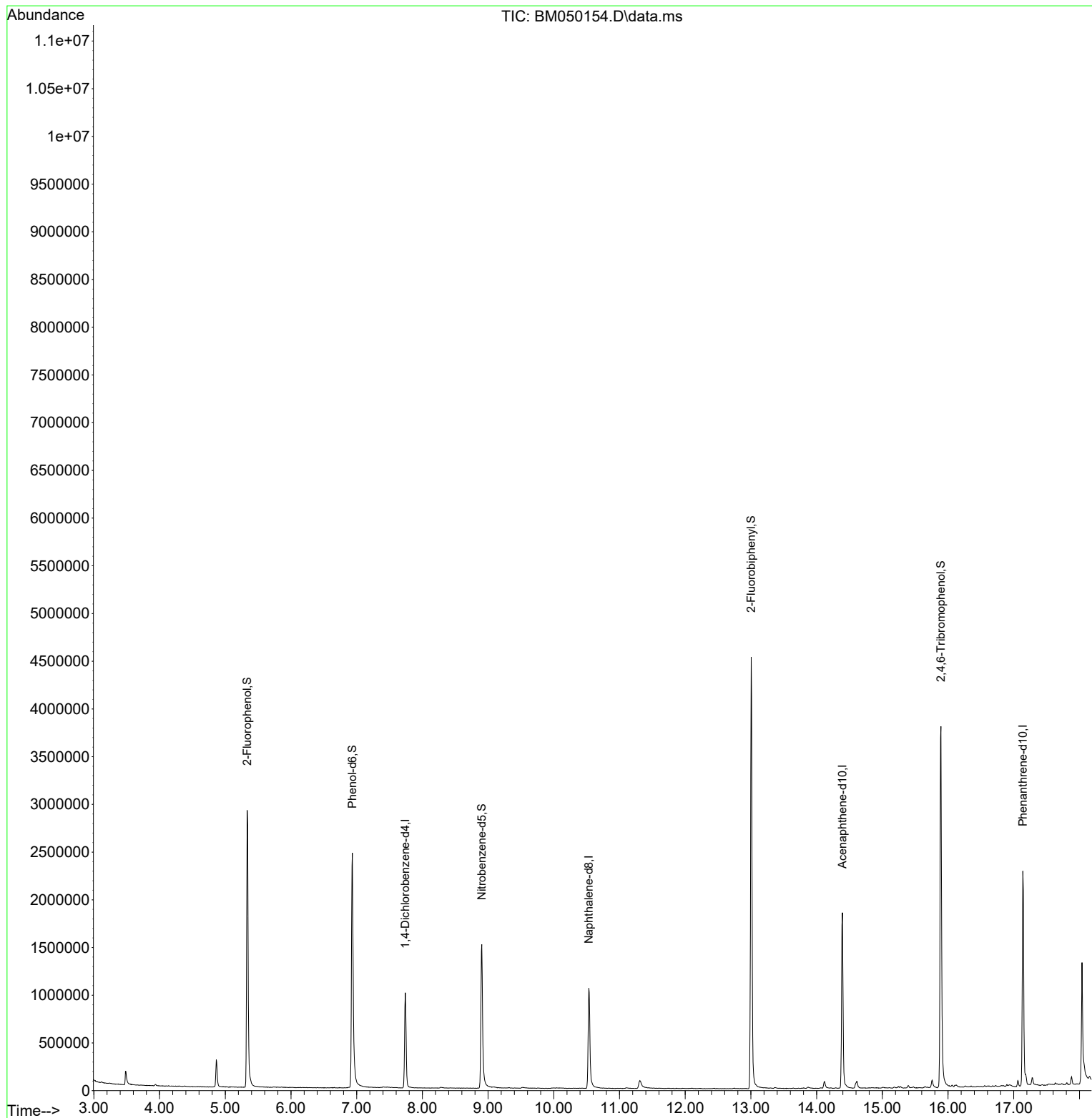
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050825\
Data File : BM050154.D
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Operator : RC/JU
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Instrument :
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Quant Time: May 09 01:56:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 08 12:03:21 2025
Response via : Initial Calibration

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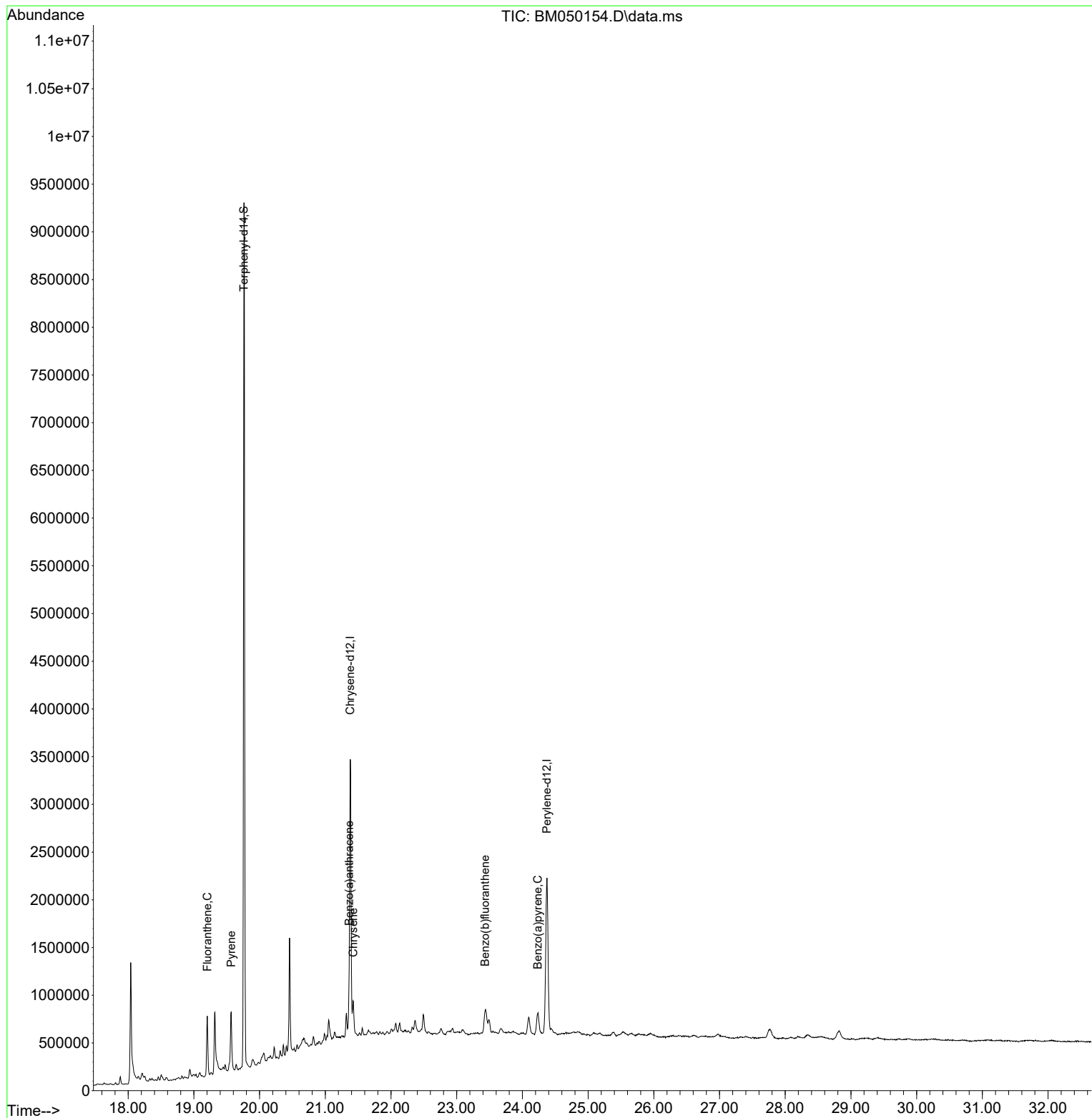
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Data File : BM050154.D
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Misc :
ALS Vial : 16 Sample Multiplier: 1

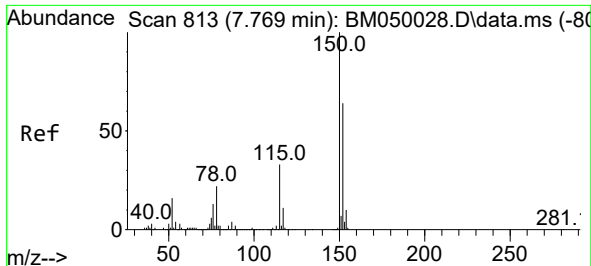
Instrument :
BNA_M
ClientSampleId :
MH-M

Quant Time: May 09 01:56:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
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QLast Update : Thu May 08 12:03:21 2025
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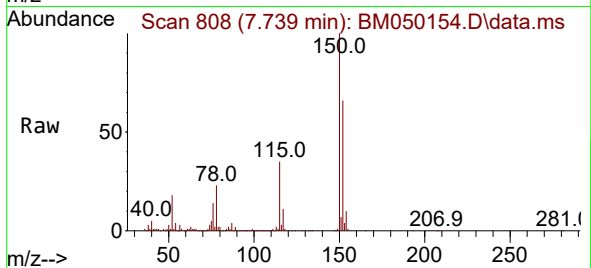
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.739 min Scan# 808
Delta R.T. -0.030 min
Lab File: BM050154.D
Acq: 08 May 2025 19:56

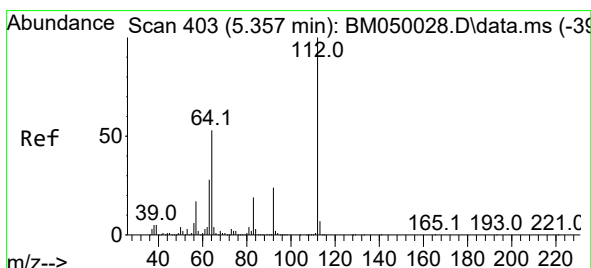
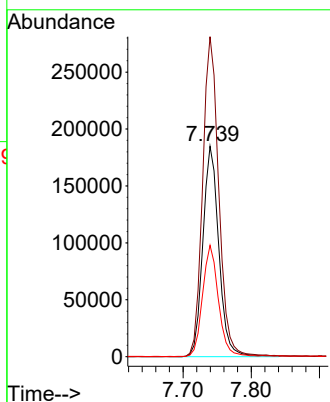
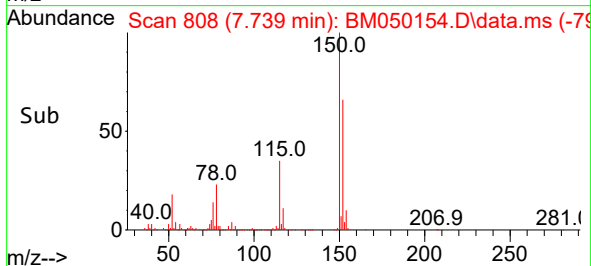
Instrument :
BNA_M
ClientSampleId :
MH-M



Tgt Ion:152 Resp: 30179
Ion Ratio Lower Upper
152 100
150 152.1 124.1 186.1
115 53.0 41.2 61.8

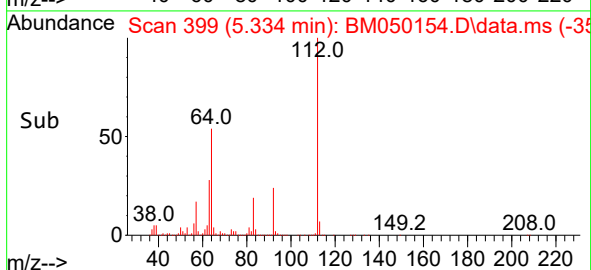
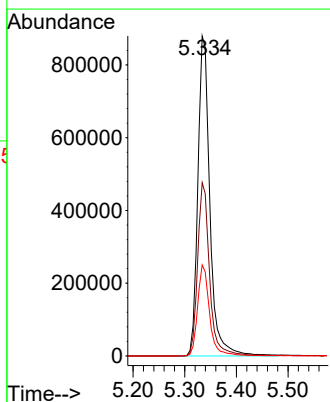
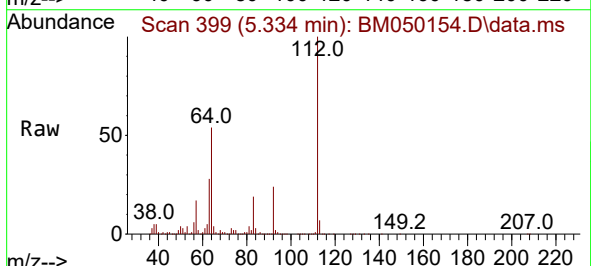
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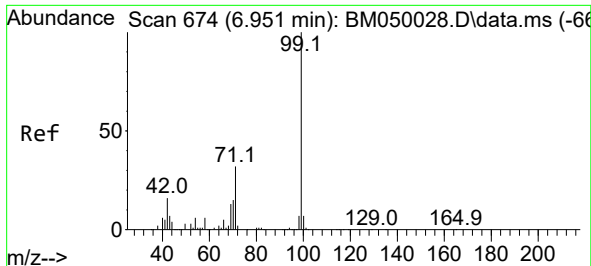
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



#5
2-Fluorophenol
Concen: 82.613 ng
RT: 5.334 min Scan# 399
Delta R.T. -0.024 min
Lab File: BM050154.D
Acq: 08 May 2025 19:56

Tgt Ion:112 Resp: 1423819
Ion Ratio Lower Upper
112 100
64 54.2 42.6 64.0
63 28.5 22.2 33.4





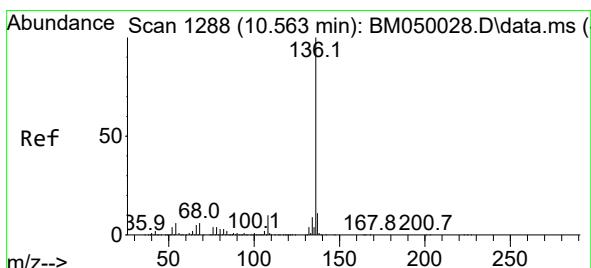
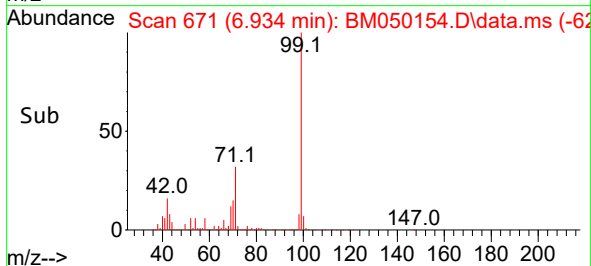
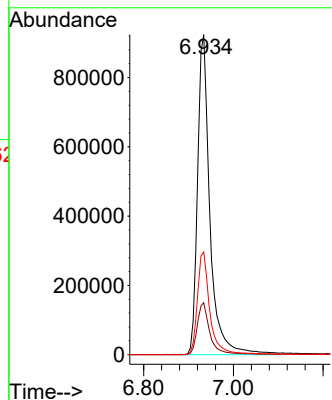
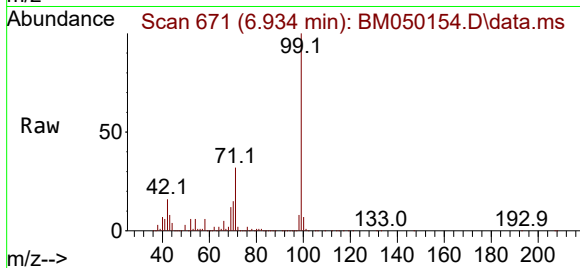
#7
Phenol-d6
Concen: 81.806 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050154.D
Acq: 08 May 2025 19:56

Instrument :
BNA_M
ClientSampleId :
MH-M

Tgt Ion: 99 Resp: 1772074
Ion Ratio Lower Upper
99 100
42 16.2 13.0 19.4
71 32.1 25.6 38.4

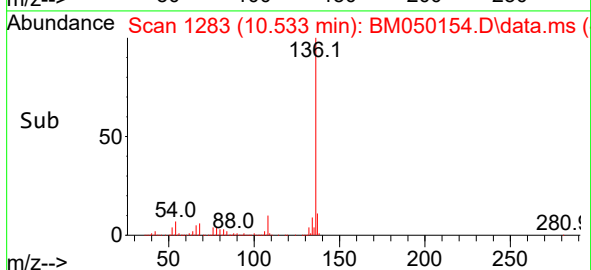
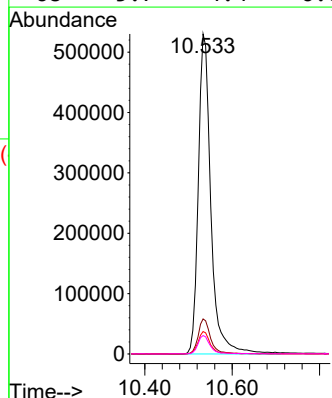
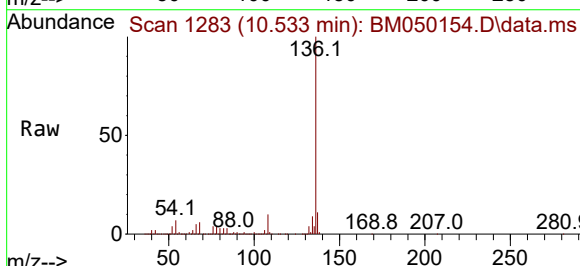
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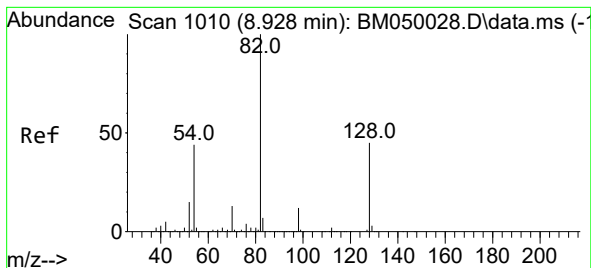
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.533 min Scan# 1283
Delta R.T. -0.029 min
Lab File: BM050154.D
Acq: 08 May 2025 19:56

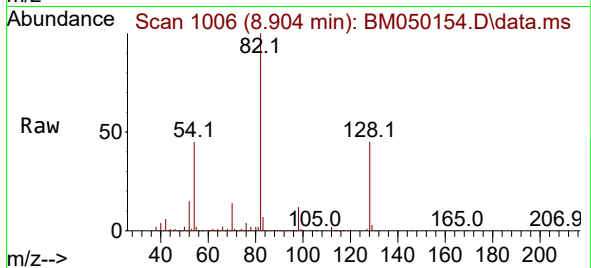
Tgt Ion:136 Resp: 1063810
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.0 5.1 7.7
68 5.7 4.4 6.6





#23
Nitrobenzene-d5
Concen: 48.965 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.024 min
Lab File: BM050154.D
Acq: 08 May 2025 19:56

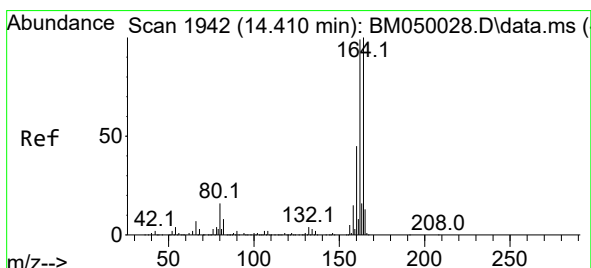
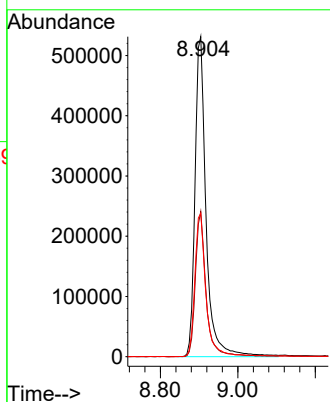
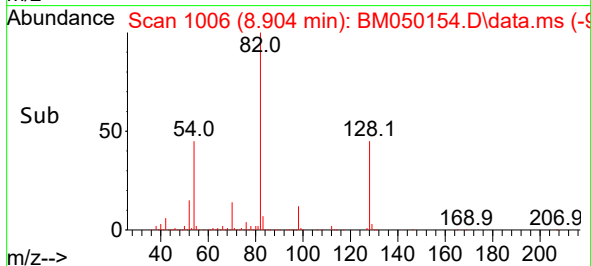
Instrument :
BNA_M
ClientSampleId :
MH-M



Tgt Ion: 82 Resp: 105708
Ion Ratio Lower Upper
82 100
128 45.4 35.7 53.5
54 44.8 35.4 53.2

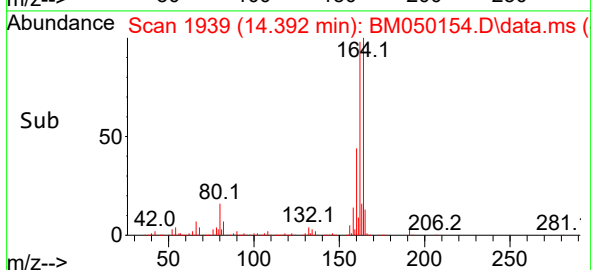
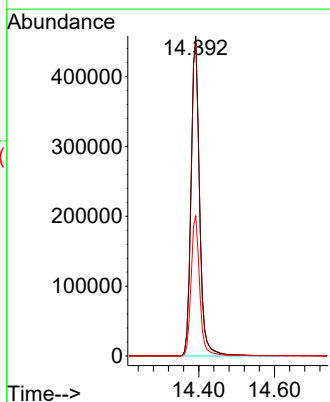
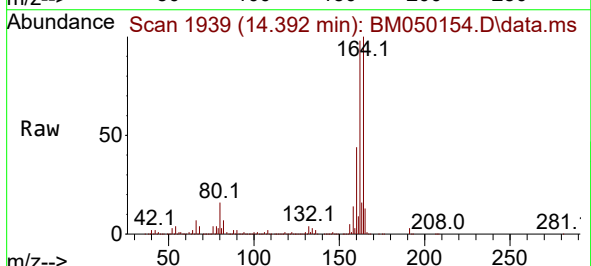
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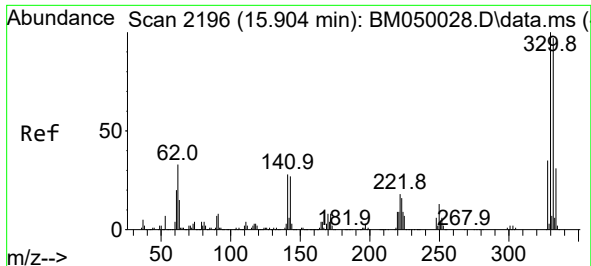
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050154.D
Acq: 08 May 2025 19:56

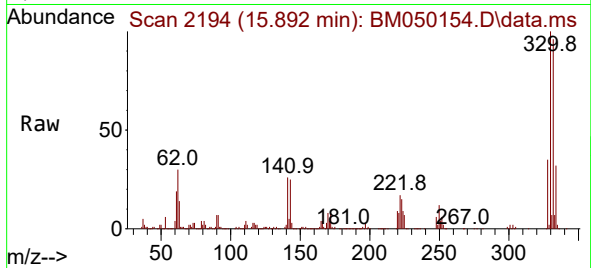
Tgt Ion:164 Resp: 713816
Ion Ratio Lower Upper
164 100
162 97.7 79.4 119.0
160 43.6 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 85.447 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050154.D
Acq: 08 May 2025 19:56

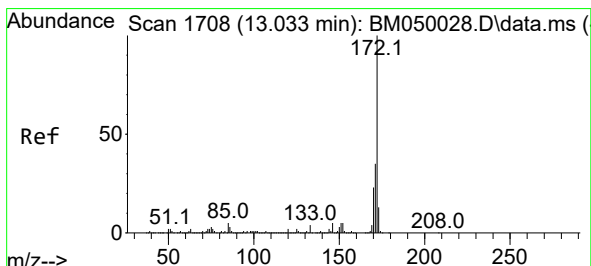
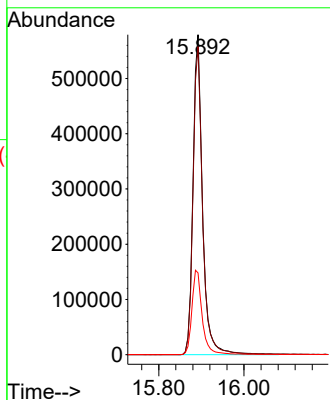
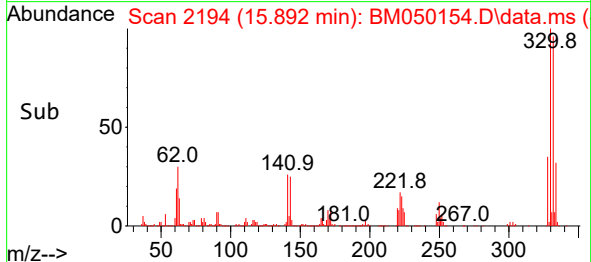
Instrument :
BNA_M
ClientSampleId :
MH-M



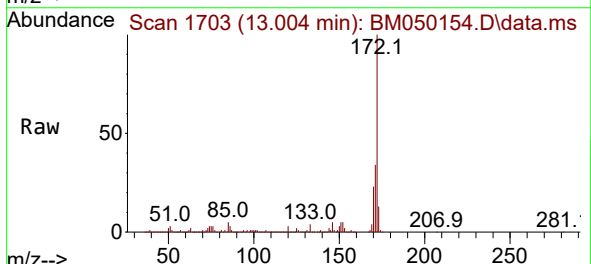
Tgt Ion:330 Resp: 901874
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 28.3 22.5 33.7

Manual Integrations
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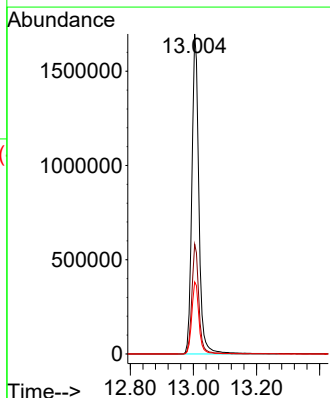
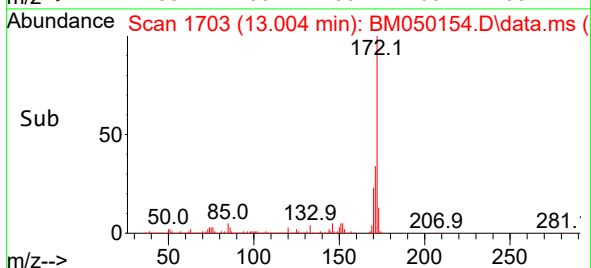
Reviewed By :Rahul Chavli 05/09/2025
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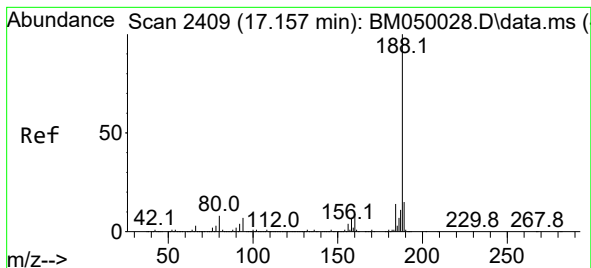


#45
2-Fluorobiphenyl
Concen: 43.528 ng
RT: 13.004 min Scan# 1703
Delta R.T. -0.029 min
Lab File: BM050154.D
Acq: 08 May 2025 19:56



Tgt Ion:172 Resp: 2626478
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.6
170 22.5 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.139 min Scan# 2409

Delta R.T. -0.018 min

Lab File: BM050154.D

Acq: 08 May 2025 19:56

Instrument :

BNA_M

ClientSampleId :

MH-M

Tgt Ion:188 Resp: 144116

Ion Ratio Lower Upper

188 100

94 7.4 5.7 8.5

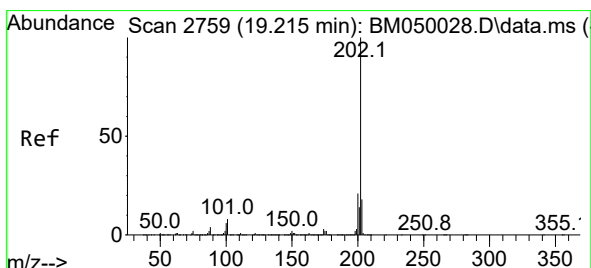
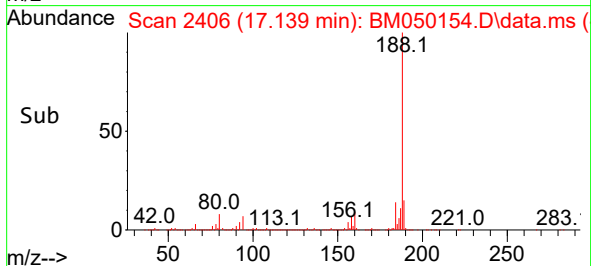
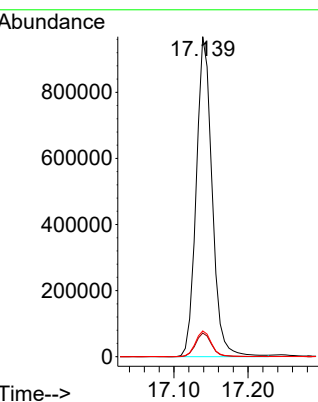
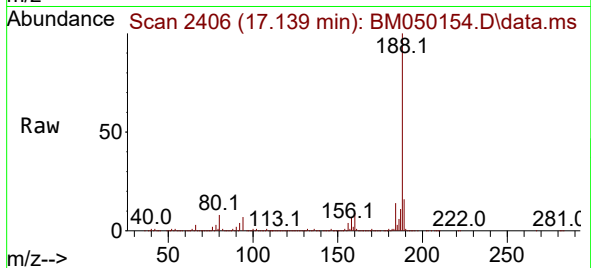
80 8.1 6.2 9.4

Manual Integrations

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#75

Fluoranthene

Concen: 2.872 ng

RT: 19.203 min Scan# 2757

Delta R.T. -0.012 min

Lab File: BM050154.D

Acq: 08 May 2025 19:56

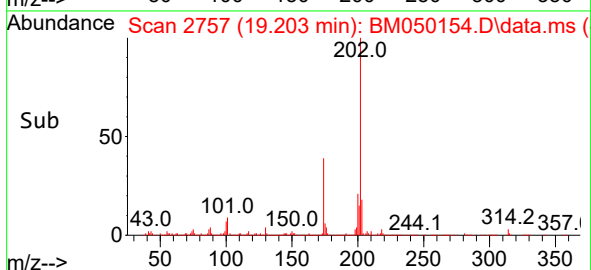
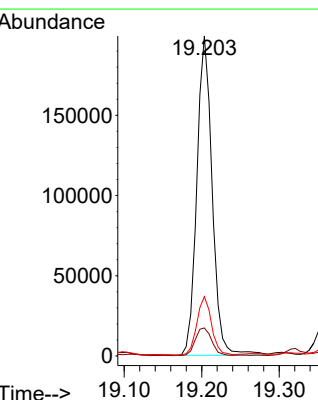
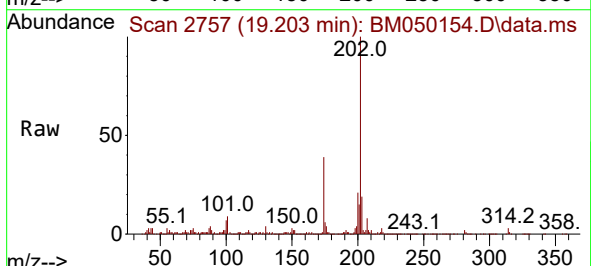
Tgt Ion:202 Resp: 274106

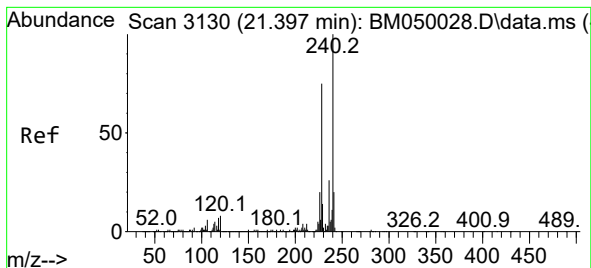
Ion Ratio Lower Upper

202 100

101 8.7 0.0 28.0

203 18.6 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.380 min Scan# 31

Delta R.T. -0.017 min

Lab File: BM050154.D

Acq: 08 May 2025 19:56

Instrument :

BNA_M

ClientSampleId :

MH-M

Tgt Ion:240 Resp: 1493698

Ion Ratio Lower Upper

240 100

120 8.6 6.5 9.7

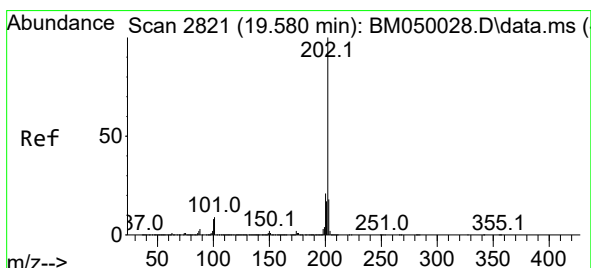
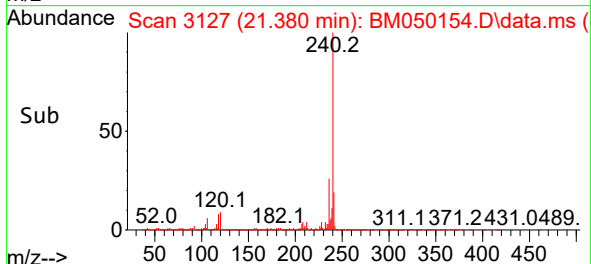
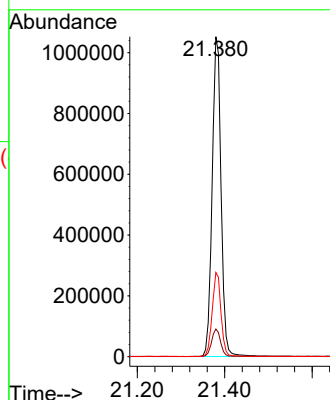
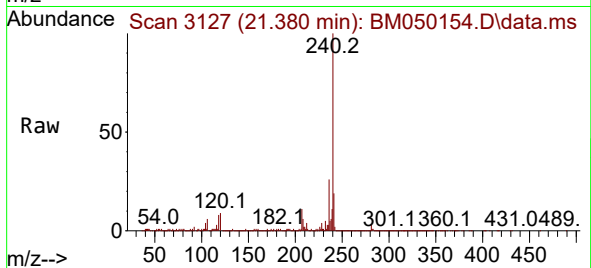
236 26.3 20.9 31.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/09/2025



#78

Pyrene

Concen: 3.711 ng

RT: 19.568 min Scan# 2819

Delta R.T. -0.012 min

Lab File: BM050154.D

Acq: 08 May 2025 19:56

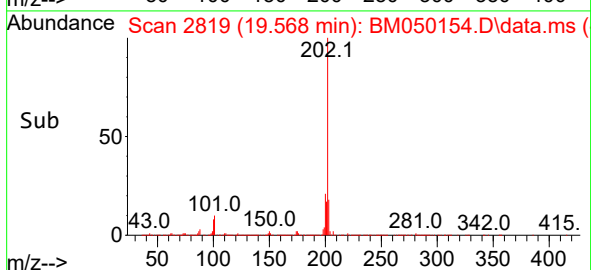
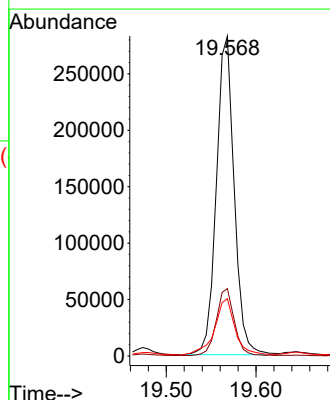
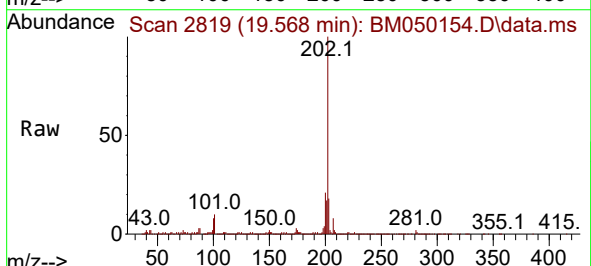
Tgt Ion:202 Resp: 389260

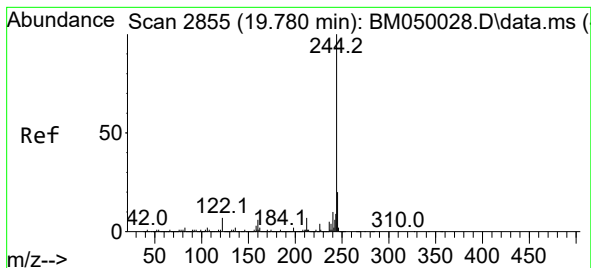
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 17.9 14.1 21.1





#79

Terphenyl-d14

Concen: 43.248 ng

RT: 19.762 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM050154.D

Acq: 08 May 2025 19:56

Instrument :

BNA_M

ClientSampleId :

MH-M

Tgt Ion:244 Resp: 4365600

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

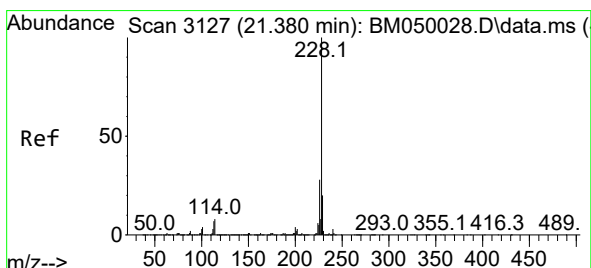
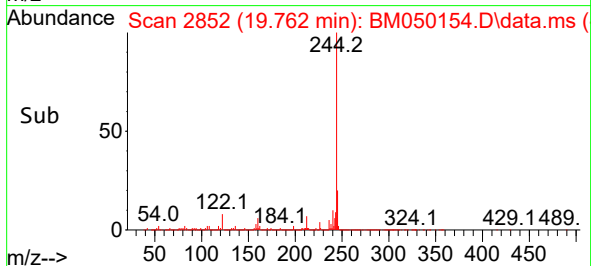
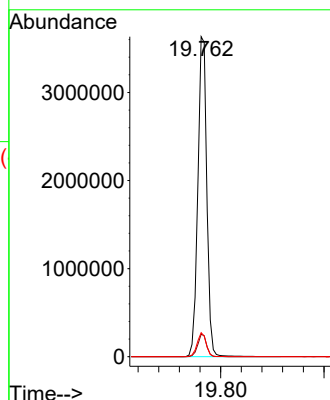
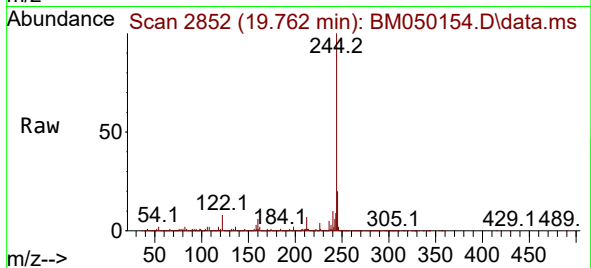
122 7.5 5.6 8.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/09/2025



#81

Benzo(a)anthracene

Concen: 2.127 ng

RT: 21.362 min Scan# 3124

Delta R.T. -0.018 min

Lab File: BM050154.D

Acq: 08 May 2025 19:56

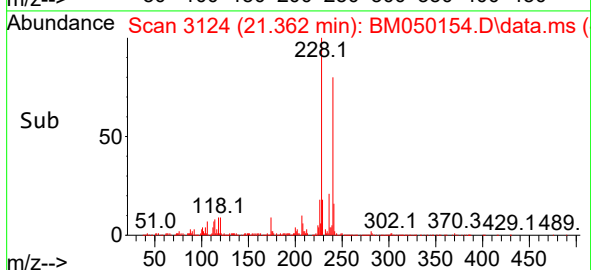
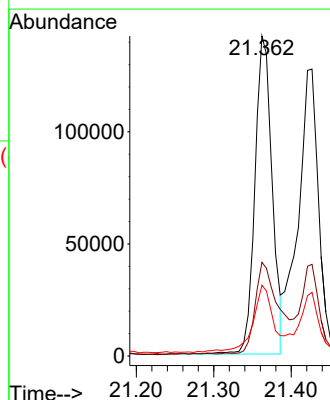
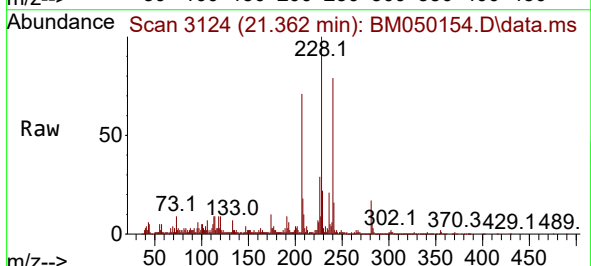
Tgt Ion:228 Resp: 218764

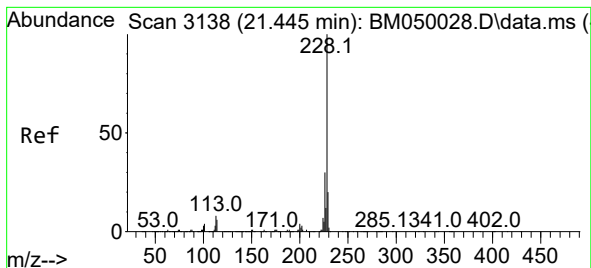
Ion Ratio Lower Upper

228 100

226 29.3 22.1 33.1

229 22.1 15.7 23.5





#83

Chrysene

Concen: 2.507 ng m

RT: 21.427 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM050154.D

Acq: 08 May 2025 19:56

Instrument :

BNA_M

ClientSampleId :

MH-M

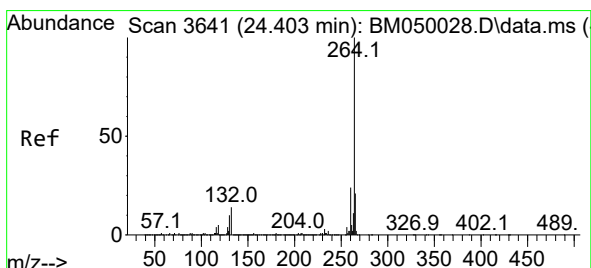
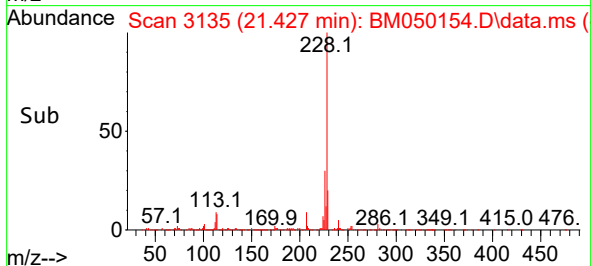
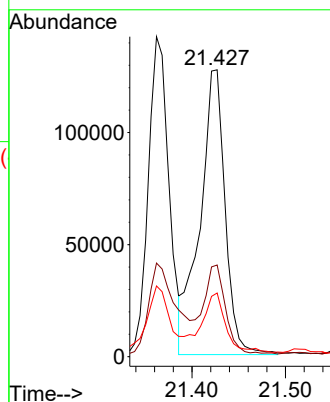
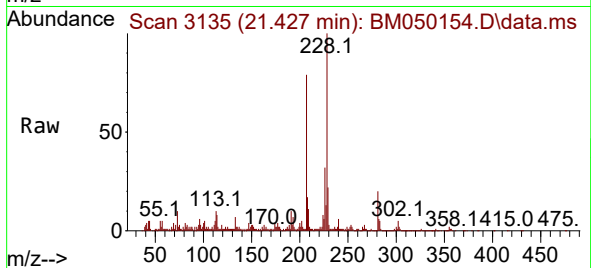
Tgt Ion:	228	Resp:	23862
Ion Ratio	Lower	Upper	
228	100		
226	32.0	24.2	36.2
229	22.2	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/09/2025

Supervised By :Jagrut Upadhyay 05/09/2025



#86

Perylene-d12

Concen: 20.000 ng

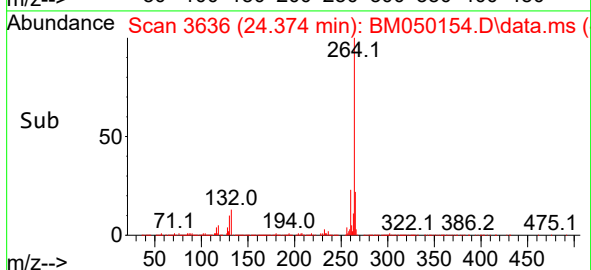
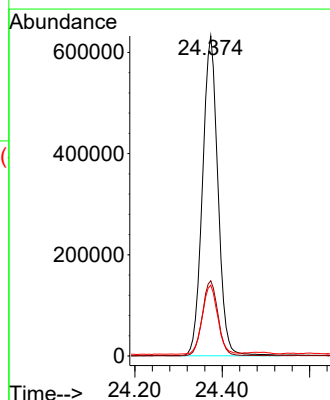
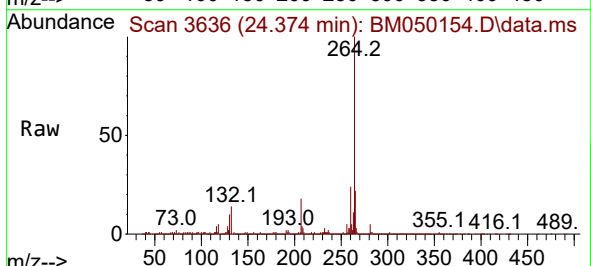
RT: 24.374 min Scan# 3636

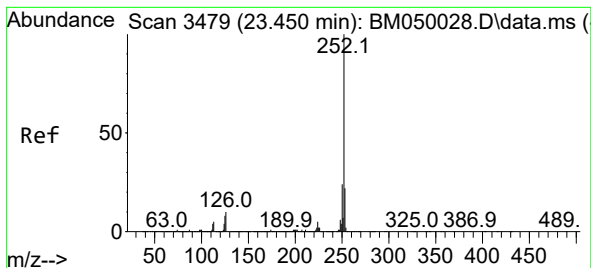
Delta R.T. -0.030 min

Lab File: BM050154.D

Acq: 08 May 2025 19:56

Tgt Ion:	264	Resp:	1553245
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.8	28.2
265	22.1	17.0	25.4





#88

Benzo(b)fluoranthene

Concen: 2.659 ng

RT: 23.433 min Scan# 3479

Delta R.T. -0.018 min

Lab File: BM050154.D

Acq: 08 May 2025 19:56

Instrument :

BNA_M

ClientSampleId :

MH-M

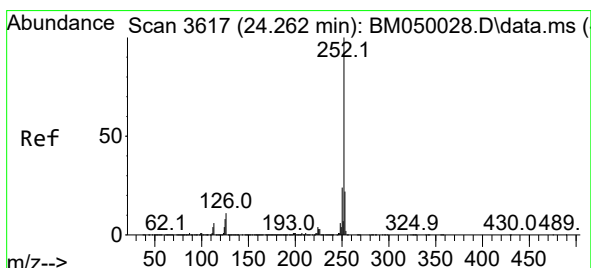
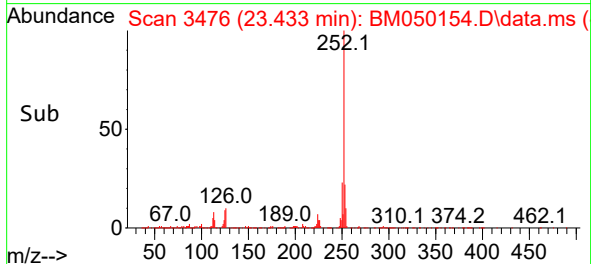
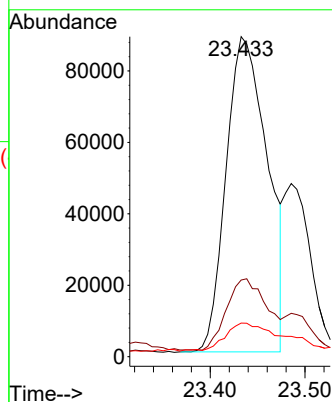
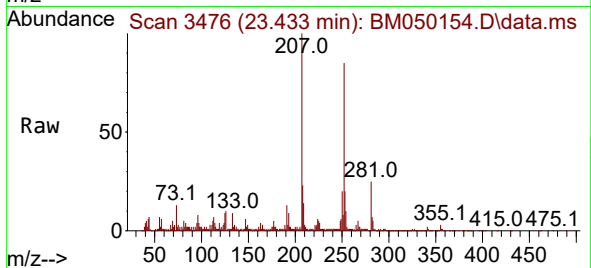
Tgt Ion:252 Resp: 268550
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.7 26.5
 125 10.5 6.1 9.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/09/2025

Supervised By :Jagrut Upadhyay 05/09/2025



#90

Benzo(a)pyrene

Concen: 2.342 ng

RT: 24.233 min Scan# 3612

Delta R.T. -0.029 min

Lab File: BM050154.D

Acq: 08 May 2025 19:56

Tgt Ion:252 Resp: 221543
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.4 26.0
 125 10.8 6.6 9.8

