

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
 Data File : BM050022.D
 Acq On : 23 Apr 2025 20:29
 Operator : RC/JU
 Sample : Q1854-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 NB-08-04222025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/24/2025
 Supervised By :Jagrut Upadhyay 04/24/2025

Quant Time: Apr 24 02:02:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	312005	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	1072537	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	720799	20.000	ng	-0.01
64) Phenanthrene-d10	17.156	188	1476781	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1439998	20.000	ng	0.00
86) Perylene-d12	24.397	264	1451662	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	710527	38.670	ng	0.00
7) Phenol-d6	6.951	99	850841	37.219	ng	0.00
23) Nitrobenzene-d5	8.922	82	518896	26.941	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	413989	39.487	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	1360344	25.592	ng	-0.02
79) Terphenyl-d14	19.780	244	2145105	27.917	ng	-0.01
Target Compounds					Qvalue	
49) Acenaphthylene	14.133	152	181644	2.961	ng	99
71) Phenanthrene	17.198	178	255745	3.159	ng	100
72) Anthracene	17.292	178	265025	3.322	ng	98
75) Fluoranthene	19.215	202	1125794	11.309	ng	100
78) Pyrene	19.580	202	1262744	12.724	ng	99
81) Benzo(a)anthracene	21.374	228	895218	9.354	ng	98
83) Chrysene	21.439	228	861696	9.471	ng	98
87) Indeno(1,2,3-cd)pyrene	27.785	276	930380	8.598	ng	96
88) Benzo(b)fluoranthene	23.450	252	1684402	18.168	ng	98
89) Benzo(k)fluoranthene	23.509	252	588862m	6.554	ng	
90) Benzo(a)pyrene	24.256	252	1181056	14.497	ng	99
91) Dibenzo(a,h)anthracene	27.826	278	229978	2.580	ng	# 94
92) Benzo(g,h,i)perylene	28.844	276	975343	10.709	ng	99

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

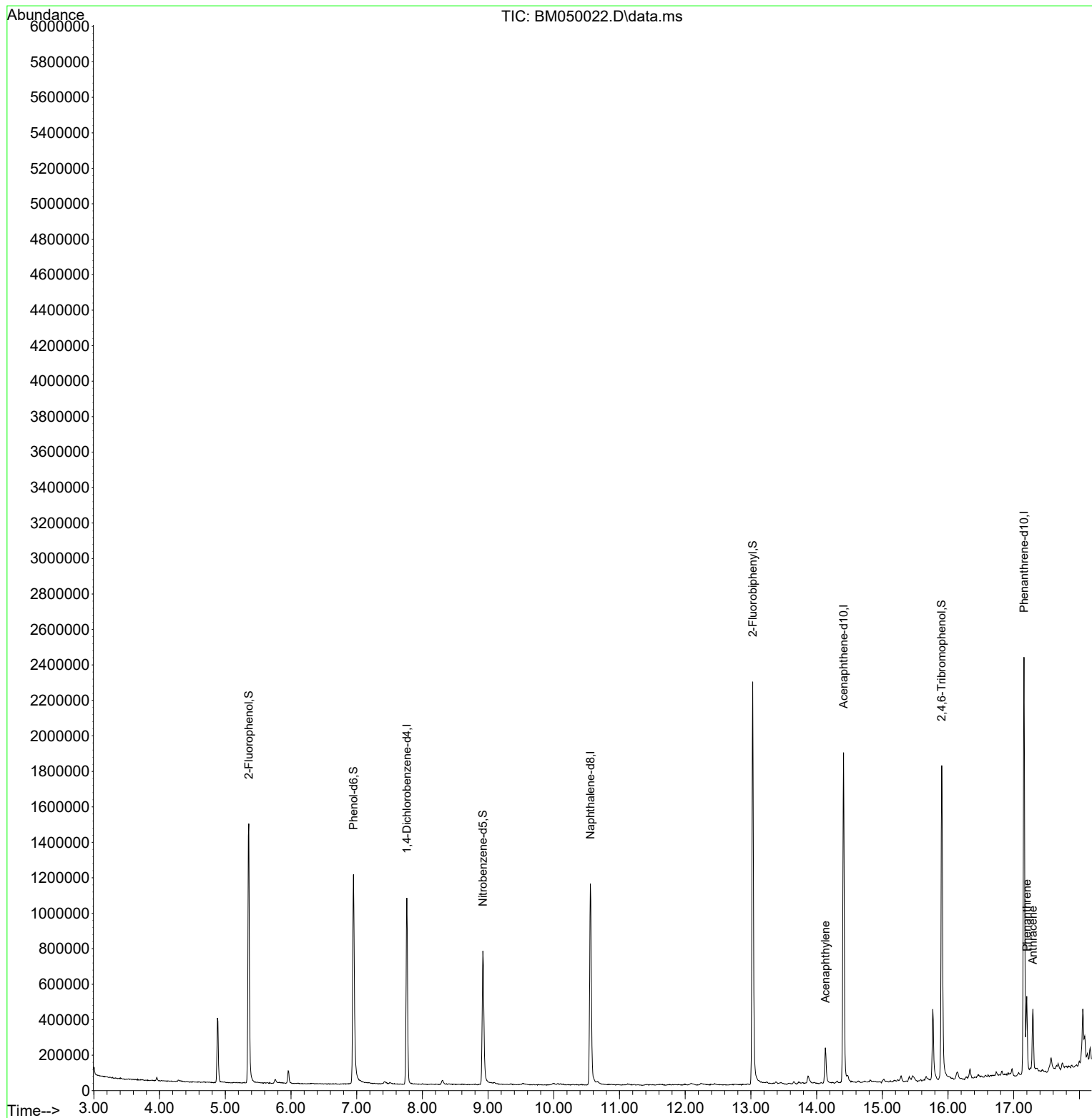
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
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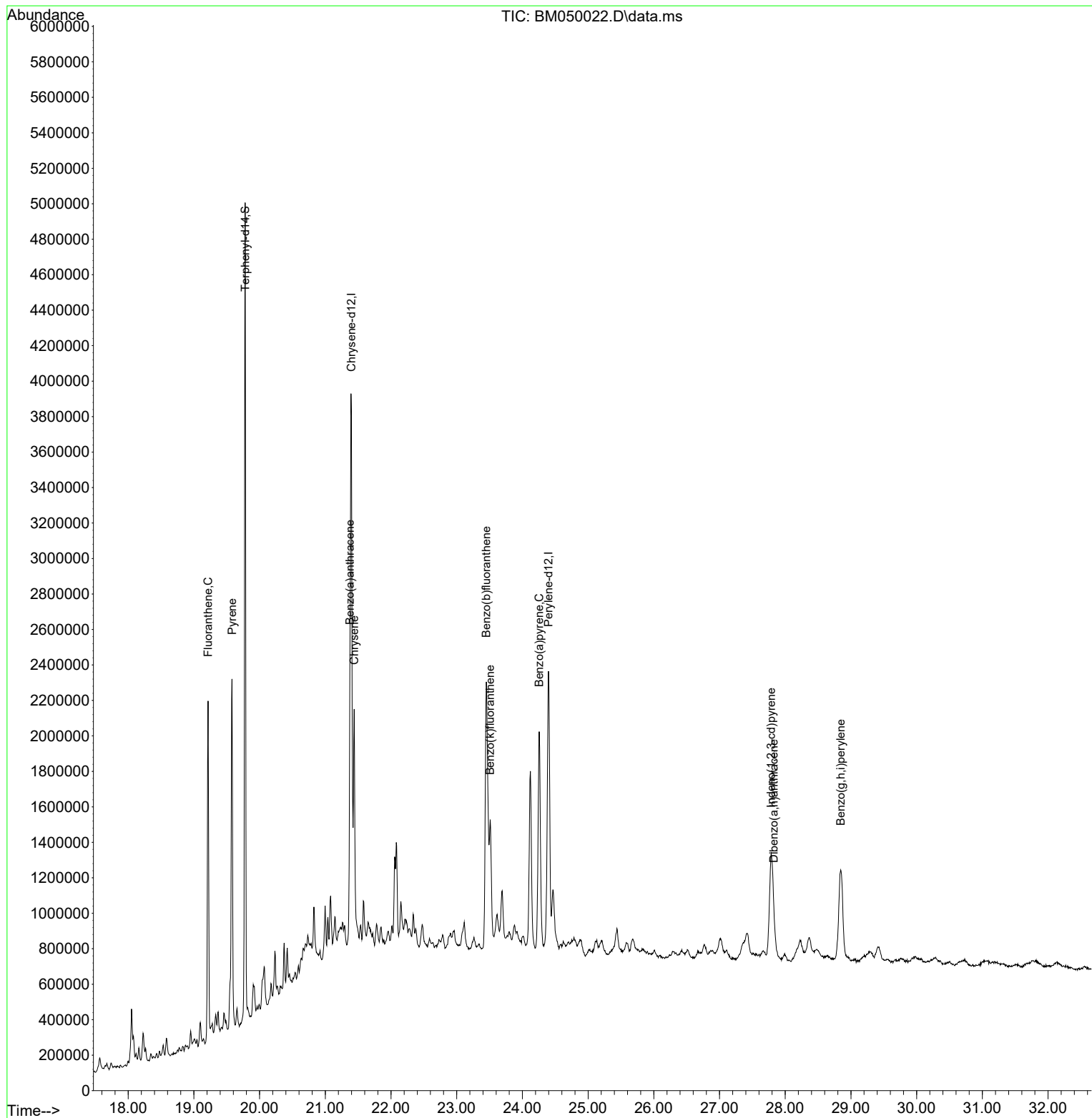
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Data File : BM050022.D
Acq On : 23 Apr 2025 20:29
Operator : RC/JU
Sample : Q1854-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

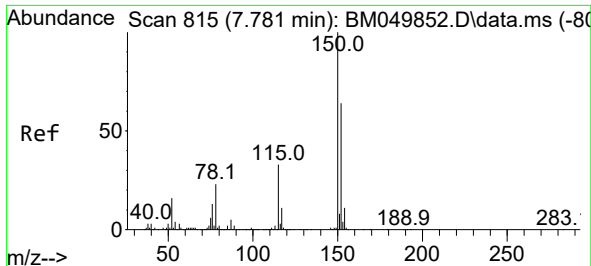
Instrument :
BNA_M
ClientSampleId :
NB-08-04222025

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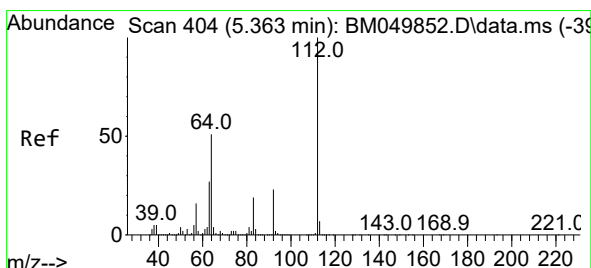
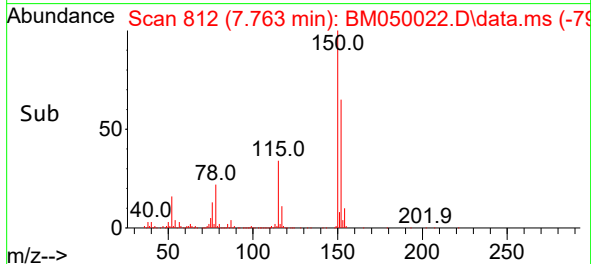
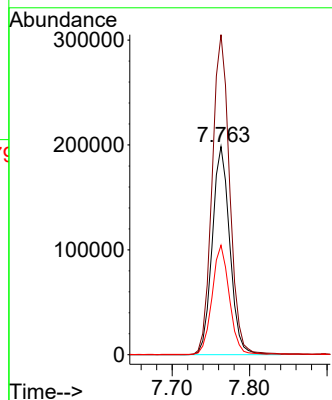
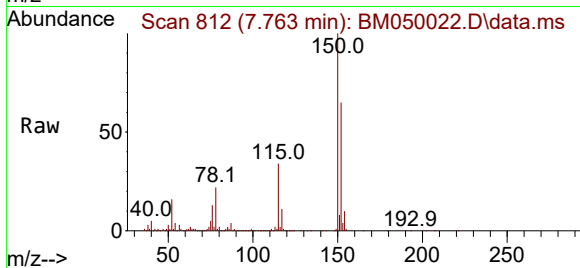
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

Instrument :
BNA_M
ClientSampleId :
NB-08-04222025

Tgt Ion:152 Resp: 312000
Ion Ratio Lower Upper
152 100
150 153.7 124.3 186.5
115 52.5 41.1 61.7

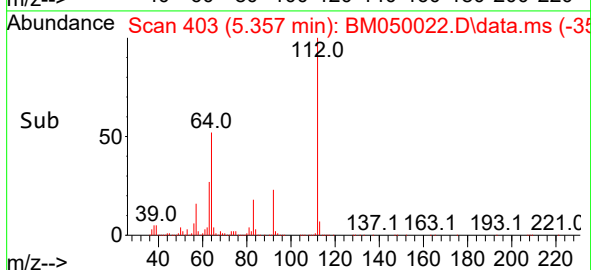
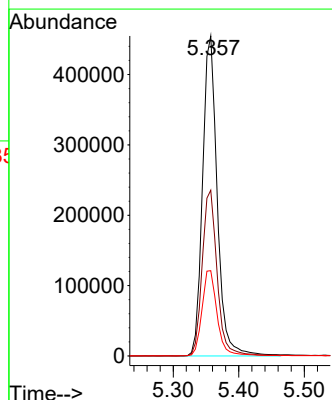
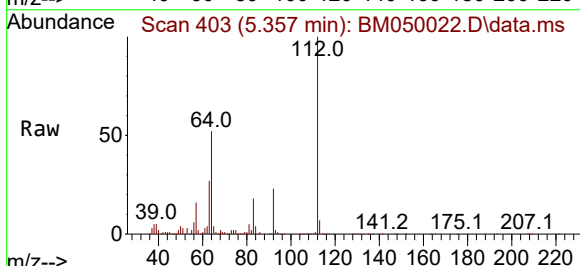
Manual Integrations
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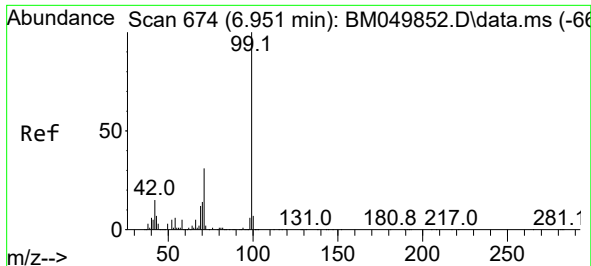
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025



#5
2-Fluorophenol
Concen: 38.670 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

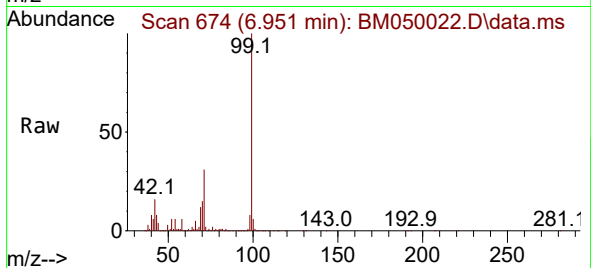
Tgt Ion:112 Resp: 710527
Ion Ratio Lower Upper
112 100
64 51.8 41.0 61.6
63 26.6 21.5 32.3





#7
Phenol-d6
Concen: 37.219 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

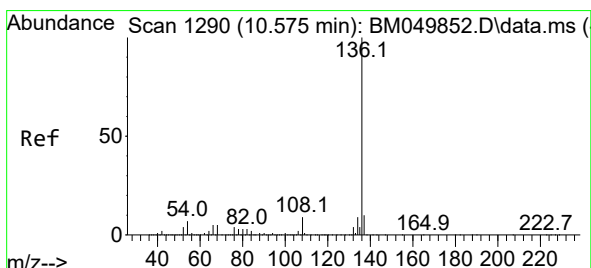
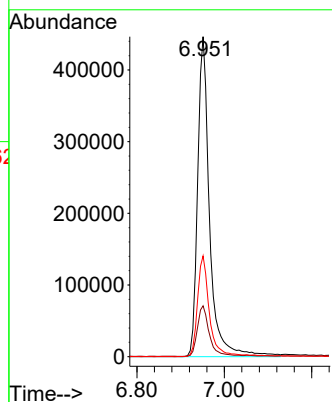
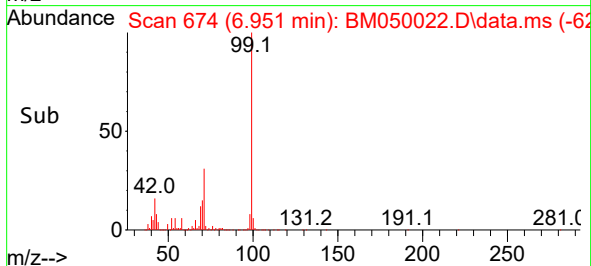
Instrument :
BNA_M
ClientSampleId :
NB-08-04222025



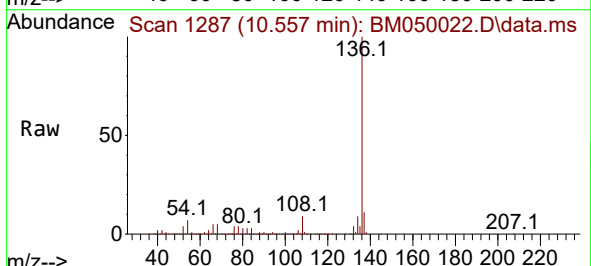
Tgt Ion: 99 Resp: 85084
Ion Ratio Lower Upper
99 100
42 15.9 12.1 18.1
71 31.5 24.9 37.3

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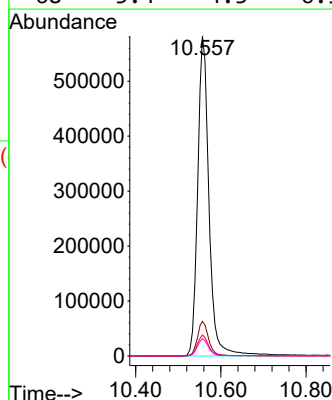
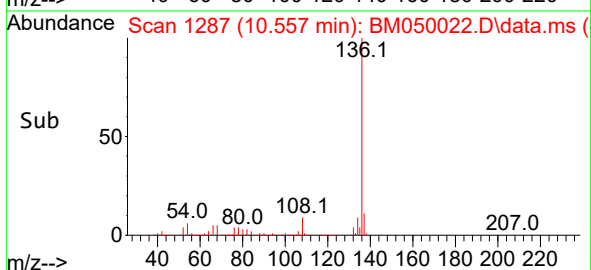
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025

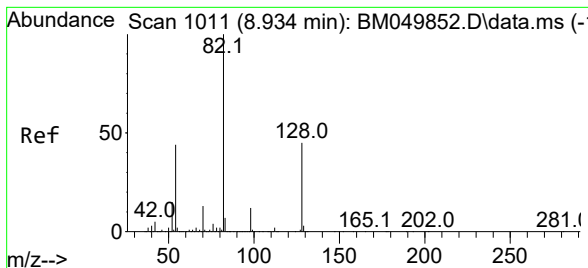


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29



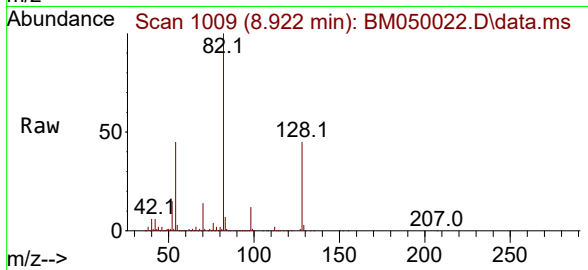
Tgt Ion:136 Resp: 1072537
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 6.5 5.3 7.9
68 5.4 4.3 6.5





#23
Nitrobenzene-d5
Concen: 26.941 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

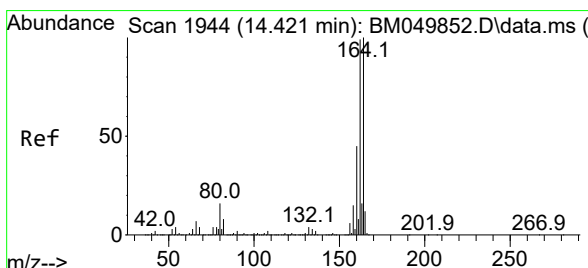
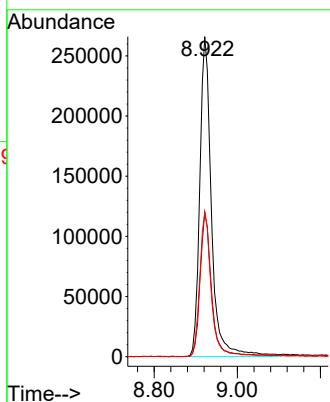
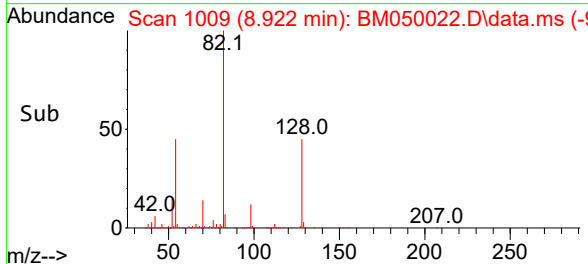
Instrument :
BNA_M
ClientSampleId :
NB-08-04222025



Tgt Ion: 82 Resp: 518890
Ion Ratio Lower Upper
82 100
128 45.1 36.2 54.2
54 45.1 35.0 52.6

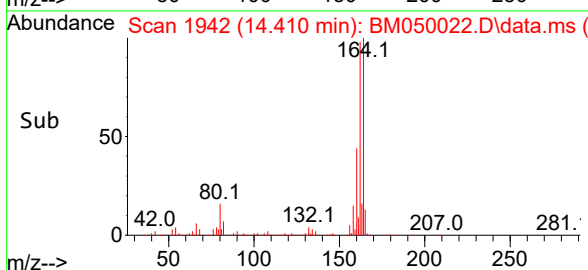
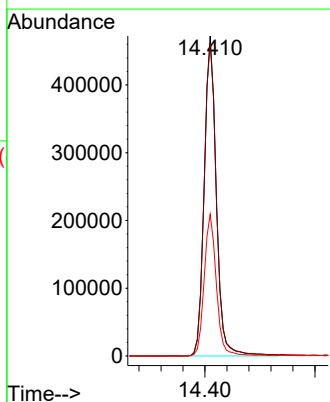
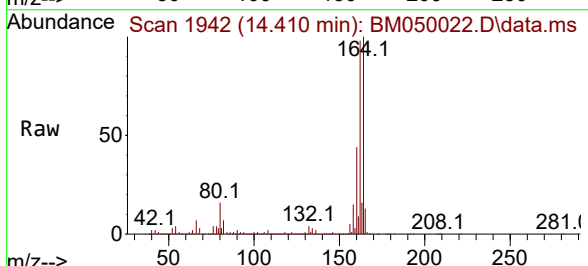
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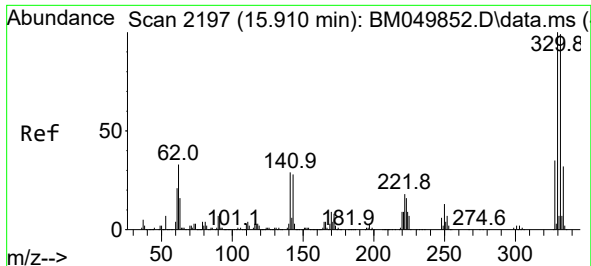
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

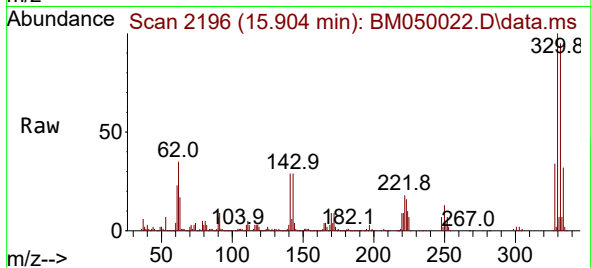
Tgt Ion:164 Resp: 720799
Ion Ratio Lower Upper
164 100
162 97.8 79.4 119.0
160 44.3 36.2 54.2





#42
2,4,6-Tribromophenol
Concen: 39.487 ng
RT: 15.904 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

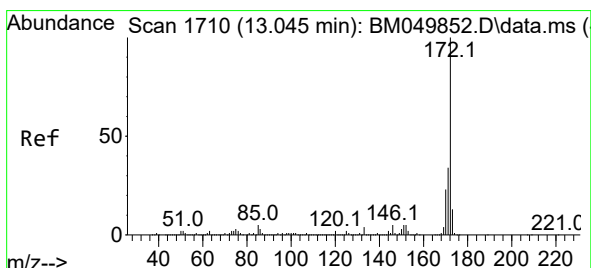
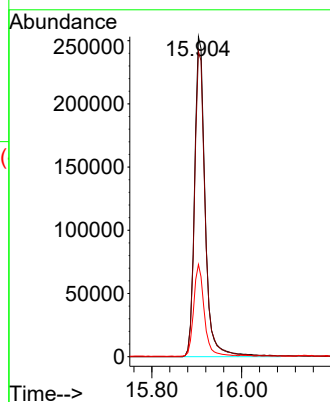
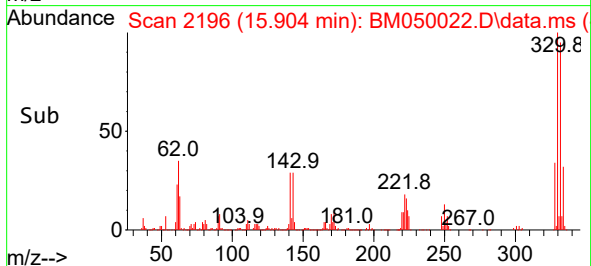
Instrument :
BNA_M
ClientSampleId :
NB-08-04222025



Tgt Ion:330 Resp: 413989
Ion Ratio Lower Upper
330 100
332 95.9 78.0 117.0
141 28.8 23.5 35.3

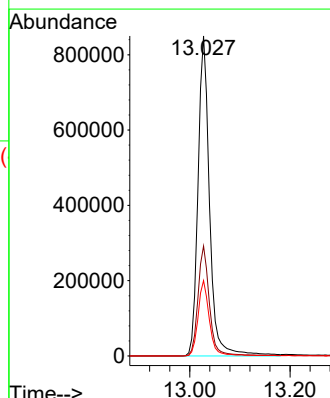
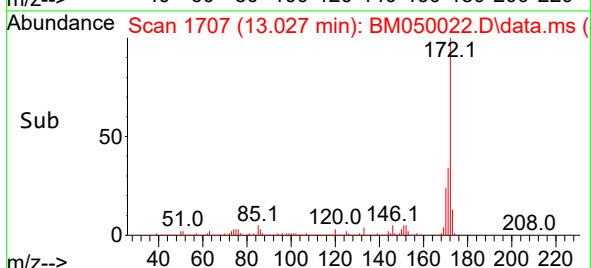
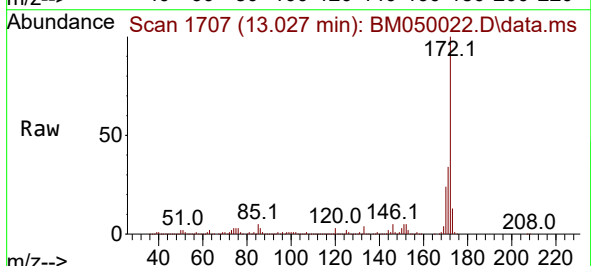
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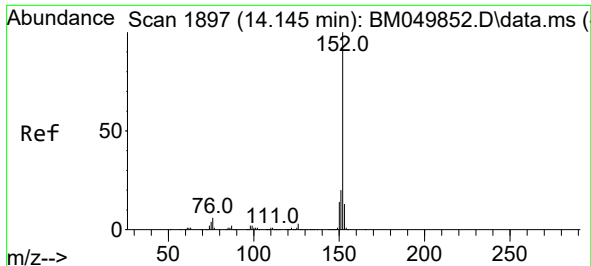
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025



#45
2-Fluorobiphenyl
Concen: 25.592 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.018 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

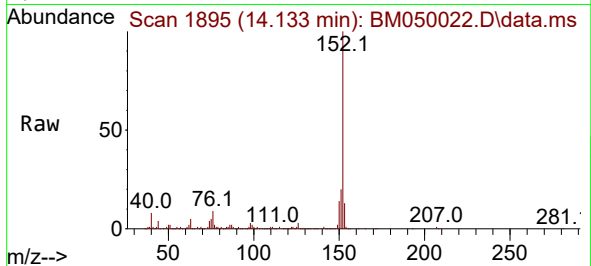
Tgt Ion:172 Resp: 1360344
Ion Ratio Lower Upper
172 100
171 34.4 27.4 41.2
170 23.5 18.6 28.0





#49
Acenaphthylene
Concen: 2.961 ng
RT: 14.133 min Scan# 1895
Delta R.T. -0.012 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

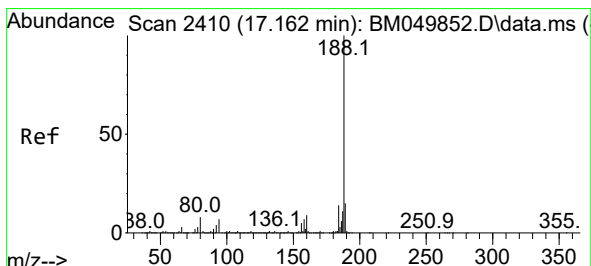
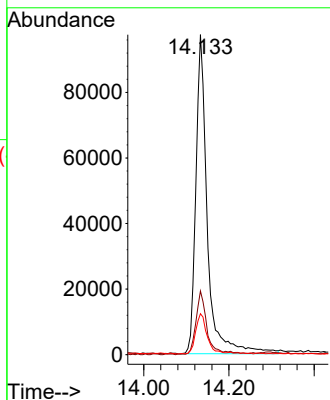
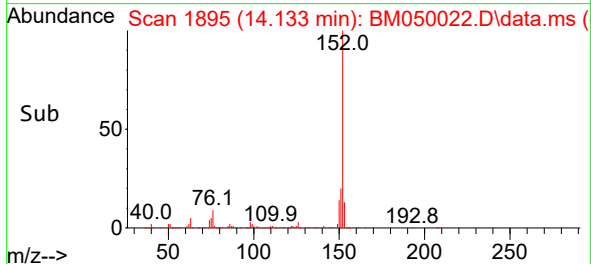
Instrument : BNA_M
ClientSampleId : NB-08-04222025



Tgt Ion:152 Resp: 181644
Ion Ratio Lower Upper
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151 19.9 15.7 23.5
153 12.8 10.4 15.6

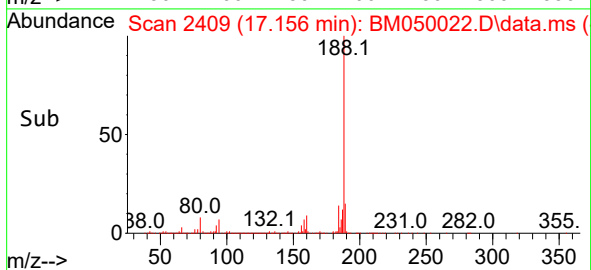
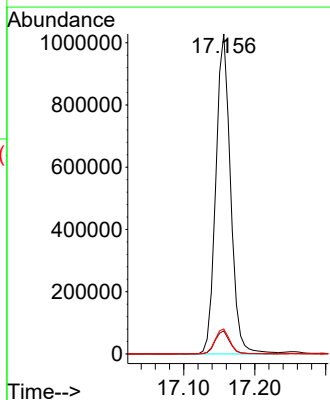
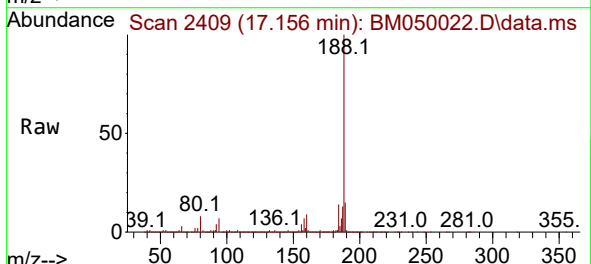
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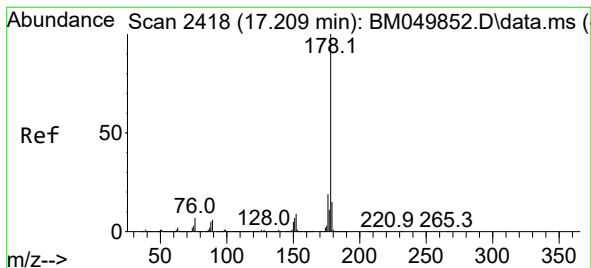
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

Tgt Ion:188 Resp: 1476781
Ion Ratio Lower Upper
188 100
94 7.2 5.8 8.6
80 7.8 6.4 9.6





#71

Phenanthrene

Concen: 3.159 ng

RT: 17.198 min Scan# 2418

Delta R.T. -0.012 min

Lab File: BM050022.D

Acq: 23 Apr 2025 20:29

Instrument :

BNA_M

ClientSampleId :

NB-08-04222025

Tgt Ion:178 Resp: 25574

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

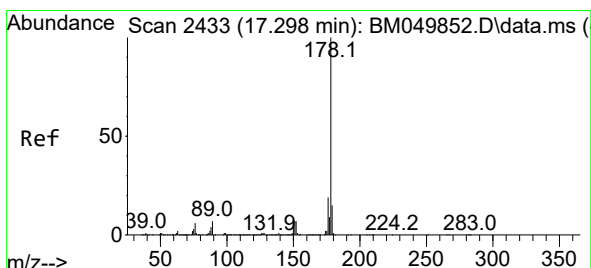
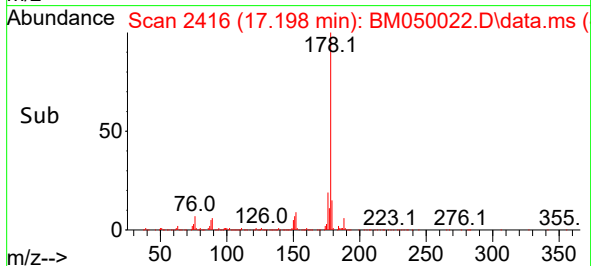
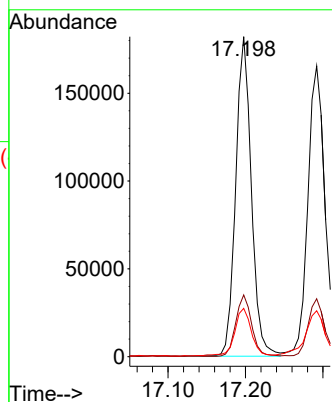
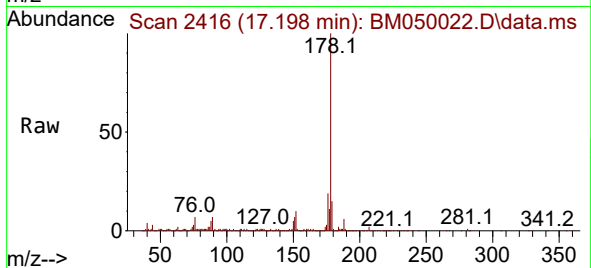
179 15.1 12.3 18.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/24/2025

Supervised By :Jagrut Upadhyay 04/24/2025



#72

Anthracene

Concen: 3.322 ng

RT: 17.292 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BM050022.D

Acq: 23 Apr 2025 20:29

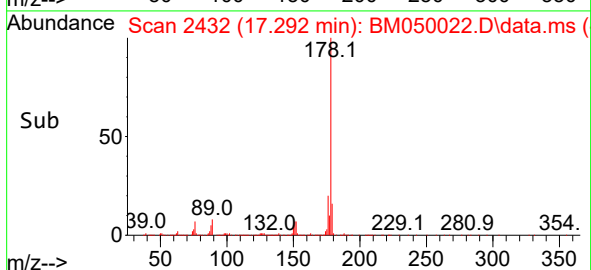
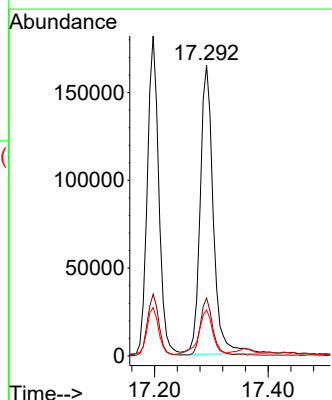
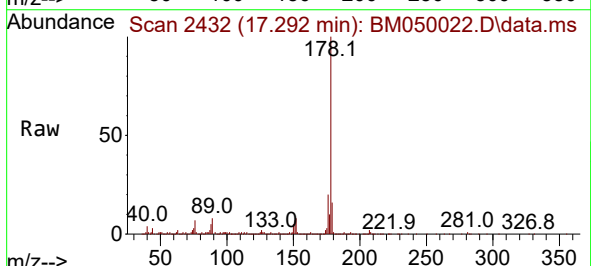
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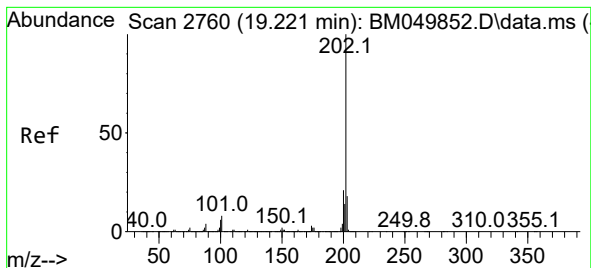
Ion Ratio Lower Upper

178 100

176 19.9 15.1 22.7

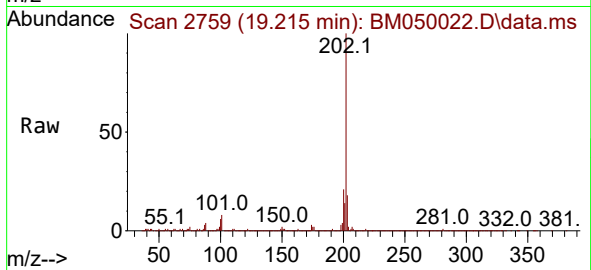
179 15.8 12.4 18.6





#75
Fluoranthene
Concen: 11.309 ng
RT: 19.215 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

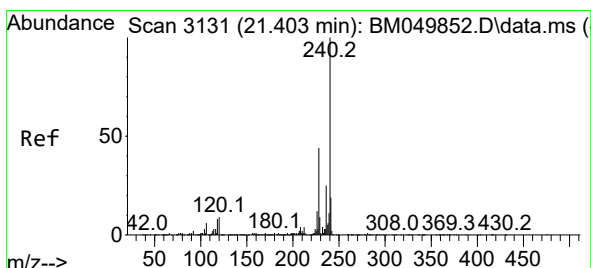
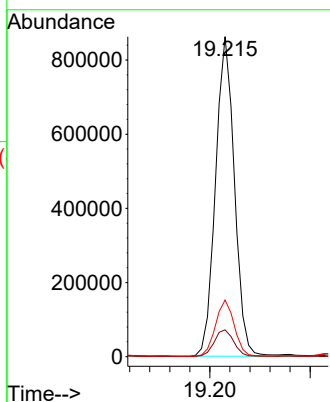
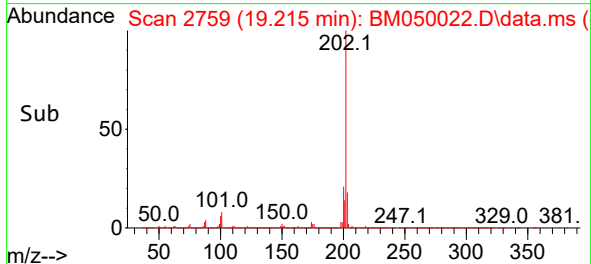
Instrument :
BNA_M
ClientSampleId :
NB-08-04222025



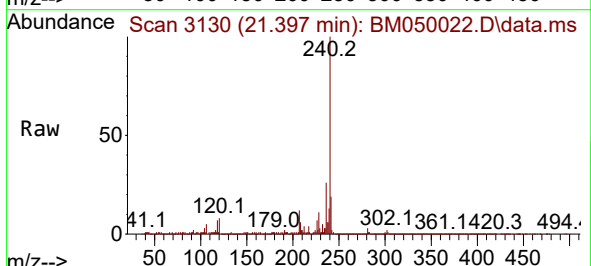
Tgt Ion:202 Resp: 1125794
Ion Ratio Lower Upper
202 100
101 8.4 0.0 28.4
203 17.7 0.0 37.8

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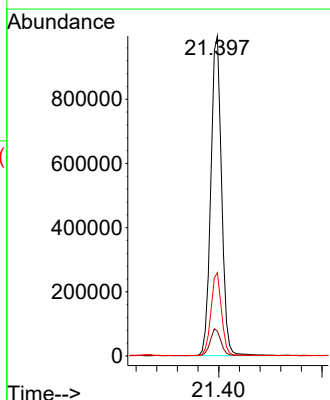
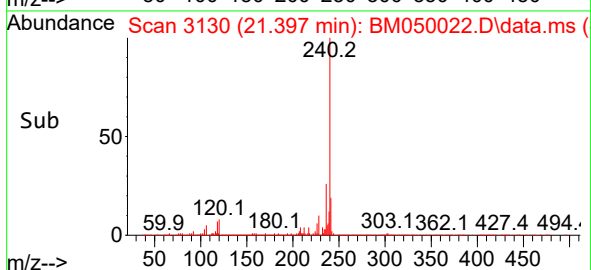
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025

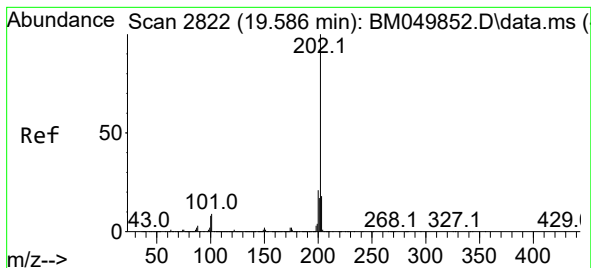


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29



Tgt Ion:240 Resp: 1439998
Ion Ratio Lower Upper
240 100
120 7.8 6.9 10.3
236 26.1 20.4 30.6





#78

Pyrene

Concen: 12.724 ng

RT: 19.580 min Scan# 2822

Delta R.T. -0.006 min

Lab File: BM050022.D

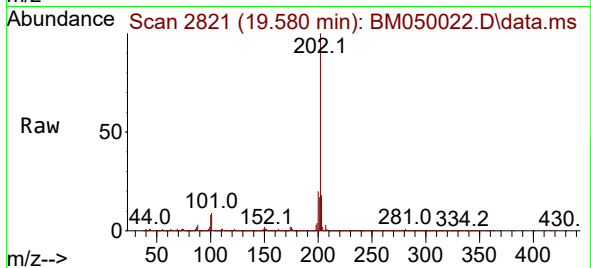
Acq: 23 Apr 2025 20:29

Instrument :

BNA_M

ClientSampleId :

NB-08-04222025



Tgt Ion:202 Resp: 1262744

Ion Ratio Lower Upper

202 100

200 20.2 16.5 24.7

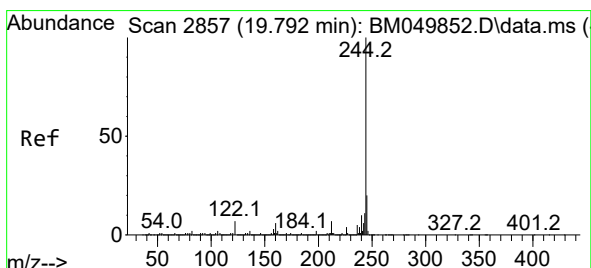
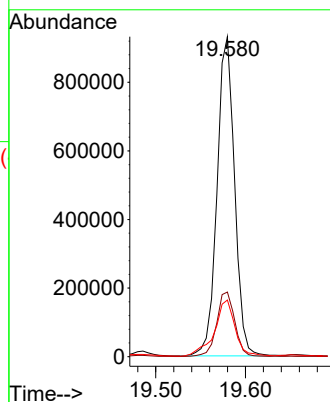
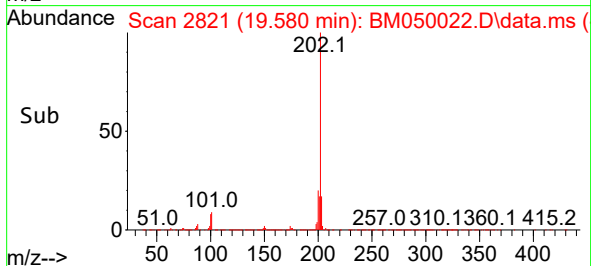
203 17.7 14.0 21.0

Manual Integrations

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Reviewed By :Rahul Chavli 04/24/2025

Supervised By :Jagrut Upadhyay 04/24/2025



#79

Terphenyl-d14

Concen: 27.917 ng

RT: 19.780 min Scan# 2855

Delta R.T. -0.012 min

Lab File: BM050022.D

Acq: 23 Apr 2025 20:29

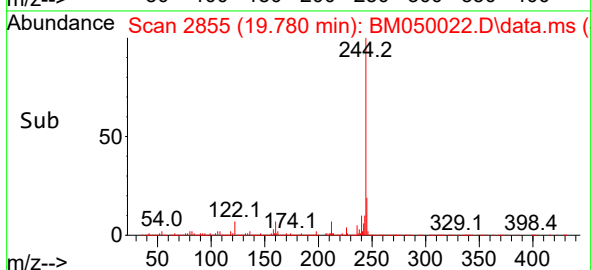
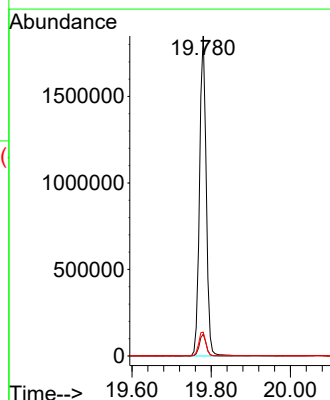
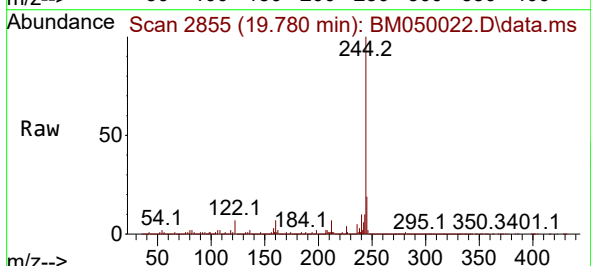
Tgt Ion:244 Resp: 2145105

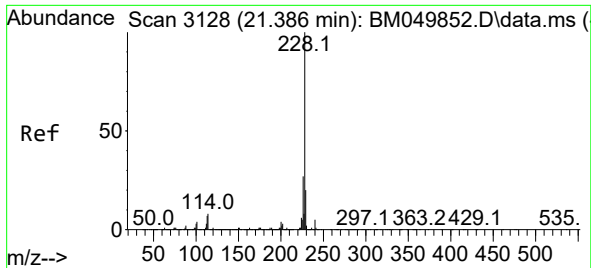
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 7.5 5.4 8.0





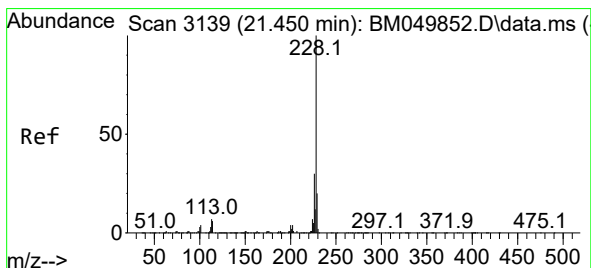
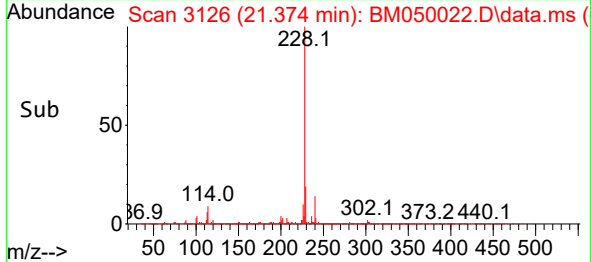
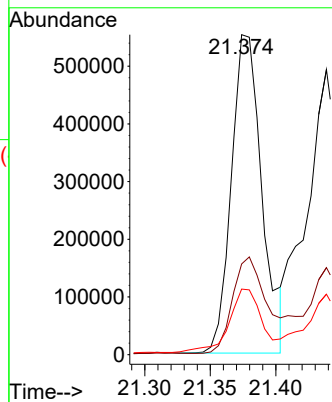
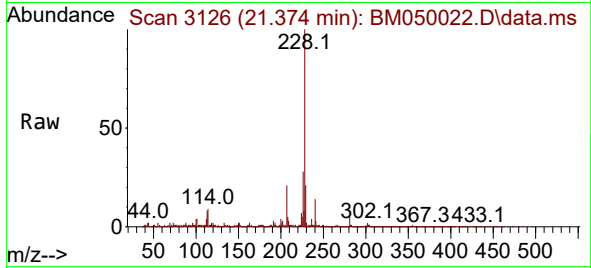
#81
Benzo(a)anthracene
Concen: 9.354 ng
RT: 21.374 min Scan# 3126
Delta R.T. -0.012 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

Instrument :
BNA_M
ClientSampleId :
NB-08-04222025

Tgt Ion:228 Resp: 895218
Ion Ratio Lower Upper
228 100
226 28.3 21.8 32.8
229 20.5 15.8 23.8

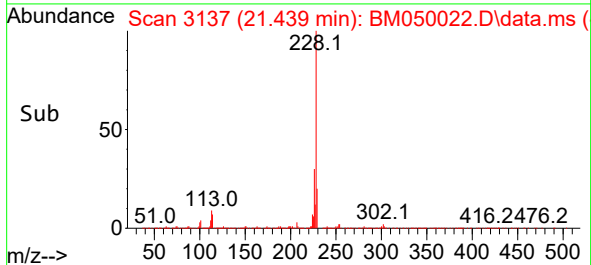
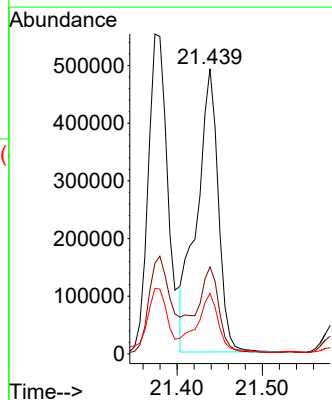
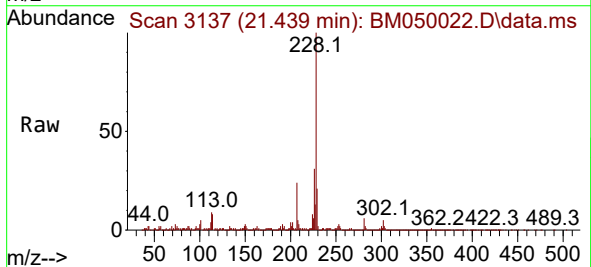
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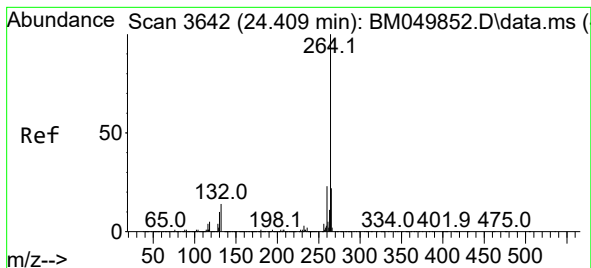
Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025



#83
Chrysene
Concen: 9.471 ng
RT: 21.439 min Scan# 3137
Delta R.T. -0.012 min
Lab File: BM050022.D
Acq: 23 Apr 2025 20:29

Tgt Ion:228 Resp: 861696
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 21.2 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.397 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM050022.D

Acq: 23 Apr 2025 20:29

Instrument :

BNA_M

ClientSampleId :

NB-08-04222025

Tgt Ion:264 Resp: 145166

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

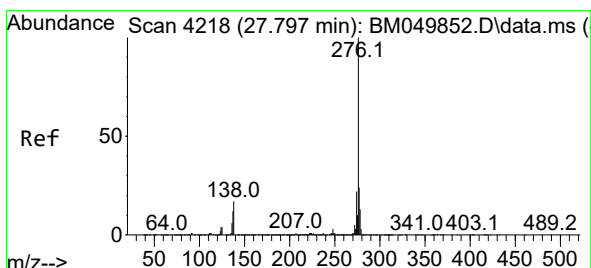
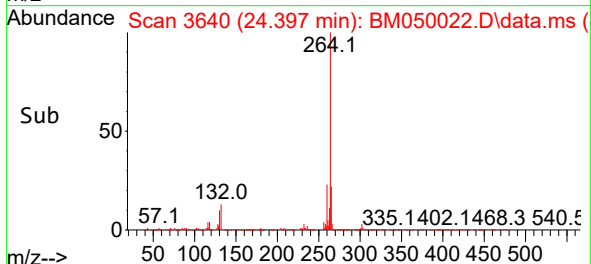
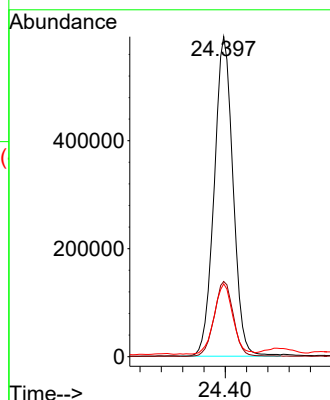
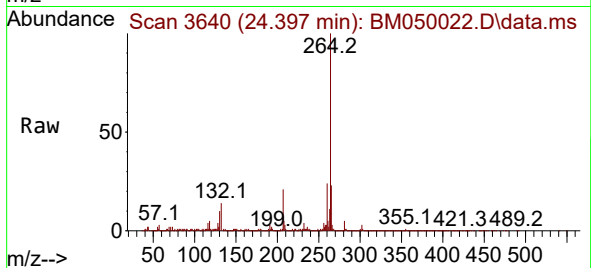
265 22.8 17.8 26.8

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Reviewed By :Rahul Chavli 04/24/2025

Supervised By :Jagrut Upadhyay 04/24/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.598 ng

RT: 27.785 min Scan# 4216

Delta R.T. -0.012 min

Lab File: BM050022.D

Acq: 23 Apr 2025 20:29

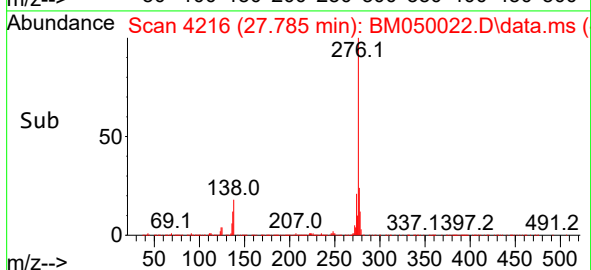
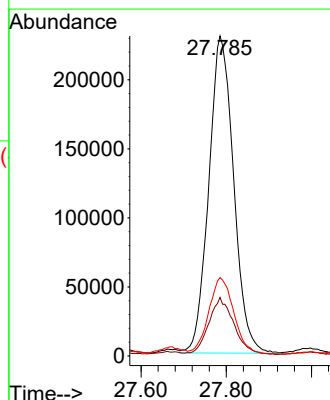
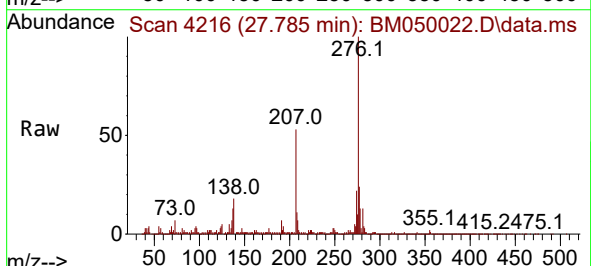
Tgt Ion:276 Resp: 930380

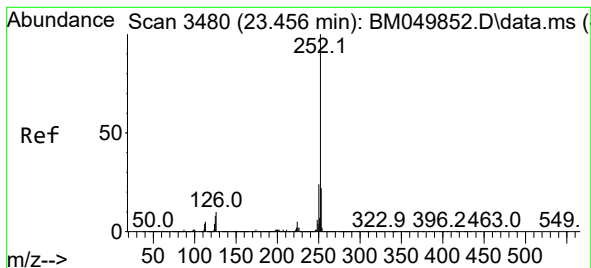
Ion Ratio Lower Upper

276 100

138 18.1 16.8 25.2

277 24.4 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 18.168 ng

RT: 23.450 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM050022.D

Acq: 23 Apr 2025 20:29

Instrument :

BNA_M

ClientSampleId :

NB-08-04222025

Tgt Ion:252 Resp: 168440

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

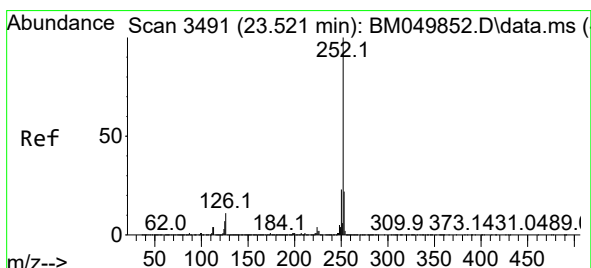
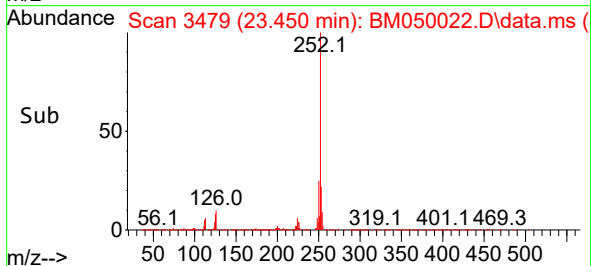
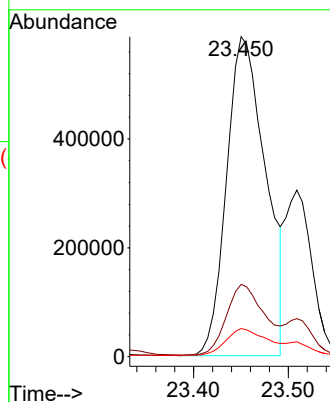
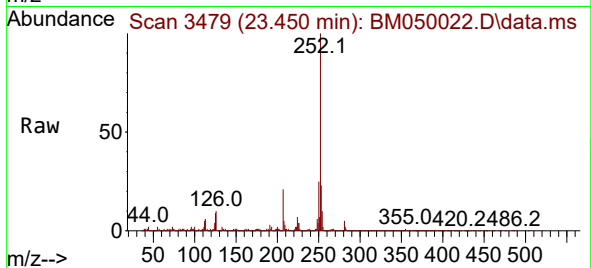
125 8.8 6.2 9.4

Manual Integrations

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Reviewed By :Rahul Chavli 04/24/2025

Supervised By :Jagrut Upadhyay 04/24/2025



#89

Benzo(k)fluoranthene

Concen: 6.554 ng m

RT: 23.509 min Scan# 3489

Delta R.T. -0.012 min

Lab File: BM050022.D

Acq: 23 Apr 2025 20:29

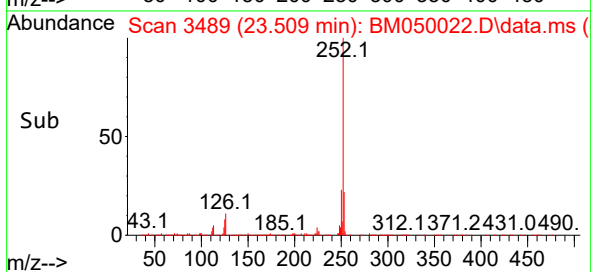
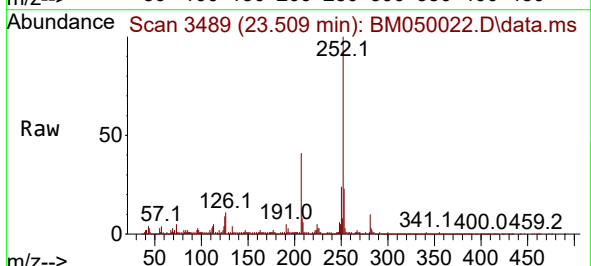
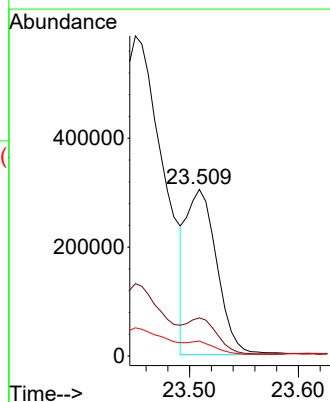
Tgt Ion:252 Resp: 588862

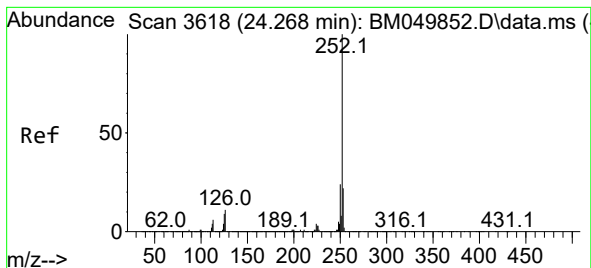
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

125 8.9 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 14.497 ng

RT: 24.256 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM050022.D

Acq: 23 Apr 2025 20:29

Instrument :

BNA_M

ClientSampleId :

NB-08-04222025

Tgt Ion:252 Resp: 118105

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

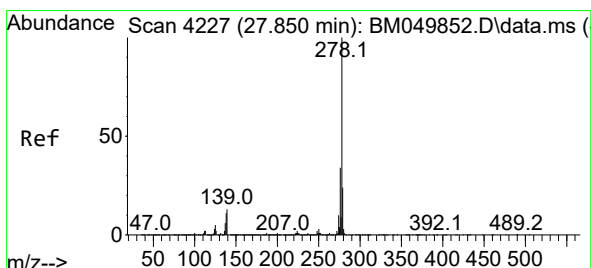
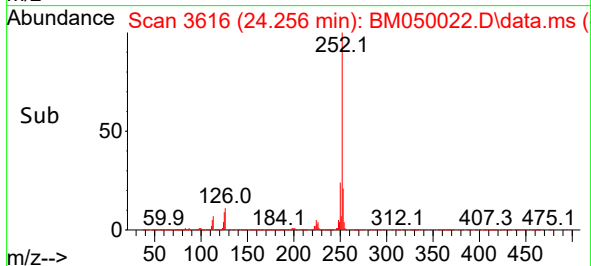
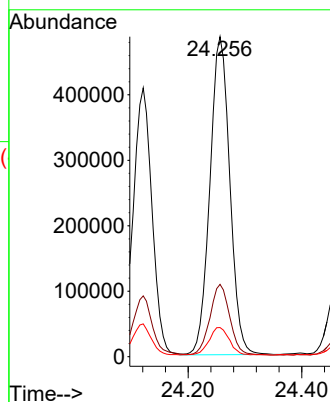
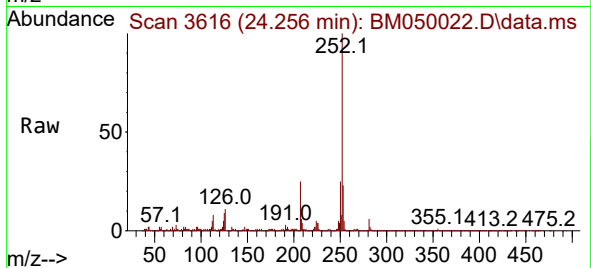
125 9.1 7.0 10.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/24/2025



#91

Dibenzo(a,h)anthracene

Concen: 2.580 ng

RT: 27.826 min Scan# 4223

Delta R.T. -0.024 min

Lab File: BM050022.D

Acq: 23 Apr 2025 20:29

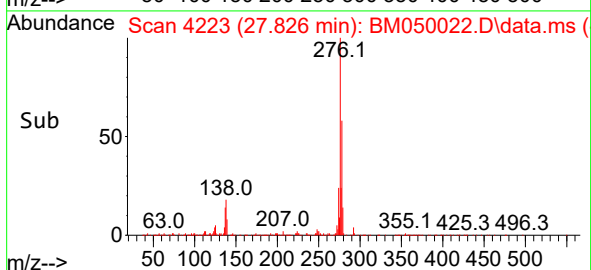
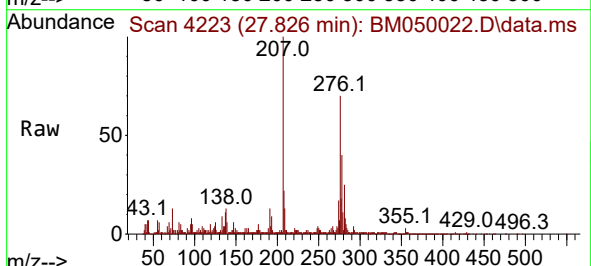
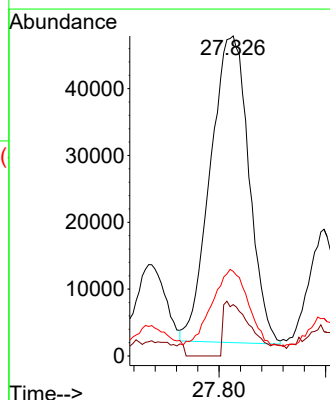
Tgt Ion:278 Resp: 229978

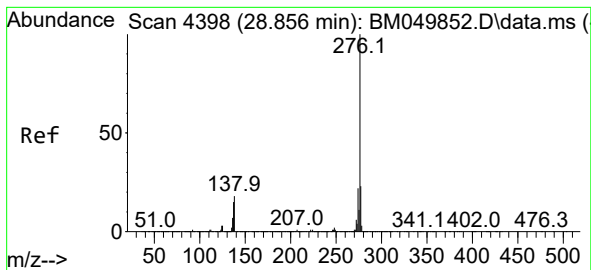
Ion Ratio Lower Upper

278 100

139 16.1 10.6 15.8#

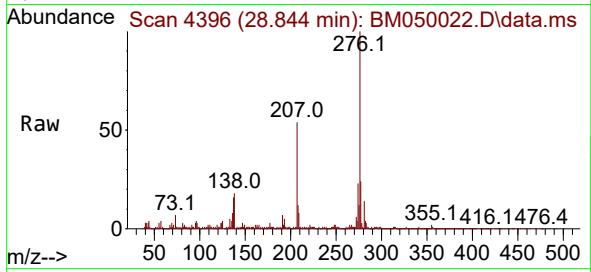
279 26.5 19.1 28.7





#92
 Benzo(g,h,i)perylene
 Concen: 10.709 ng
 RT: 28.844 min Scan# 41
 Delta R.T. -0.012 min
 Lab File: BM050022.D
 Acq: 23 Apr 2025 20:29

Instrument :
 BNA_M
 ClientSampleId :
 NB-08-04222025



Tgt Ion: 276 Resp: 97534
 Ion Ratio Lower Upper
 276 100
 277 24.2 18.7 28.1
 138 18.0 14.6 21.8

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/24/2025
 Supervised By :Jagrut Upadhyay 04/24/2025

