

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
 Data File : BM050075.D
 Acq On : 01 May 2025 21:57
 Operator : RC/JU
 Sample : Q1900-09 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-3

Quant Time: May 02 01:13:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/02/2025
 Supervised By :Jagrut Upadhyay 05/02/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.751	152	267028	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	976524	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	684006	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1415488	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1424302	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1390959	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	197504	12.952	ng	-0.01
7) Phenol-d6	6.939	99	232802	12.146	ng	-0.01
23) Nitrobenzene-d5	8.910	82	142871	7.209	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	115563	11.426	ng	-0.01
45) 2-Fluorobiphenyl	13.016	172	387499	6.702	ng	-0.02
79) Terphenyl-d14	19.768	244	637604	6.624	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.116	152	306712	4.831	ng	100
71) Phenanthrene	17.180	178	1114062	13.954	ng	100
72) Anthracene	17.280	178	304576	3.770	ng	98
75) Fluoranthene	19.203	202	3130226	33.396	ng	100
78) Pyrene	19.568	202	2897006	28.965	ng	100
81) Benzo(a)anthracene	21.362	228	1618181	16.498	ng	98
83) Chrysene	21.427	228	1309452	14.425	ng	98
87) Indeno(1,2,3-cd)pyrene	27.750	276	590207	5.695	ng	97
88) Benzo(b)fluoranthene	23.433	252	1384285	15.303	ng	99
89) Benzo(k)fluoranthene	23.485	252	544999m	5.956	ng	
90) Benzo(a)pyrene	24.233	252	969587	11.444	ng	98
91) Dibenzo(a,h)anthracene	27.791	278	171781m	2.033	ng	
92) Benzo(g,h,i)perylene	28.803	276	516460	6.385	ng	98

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

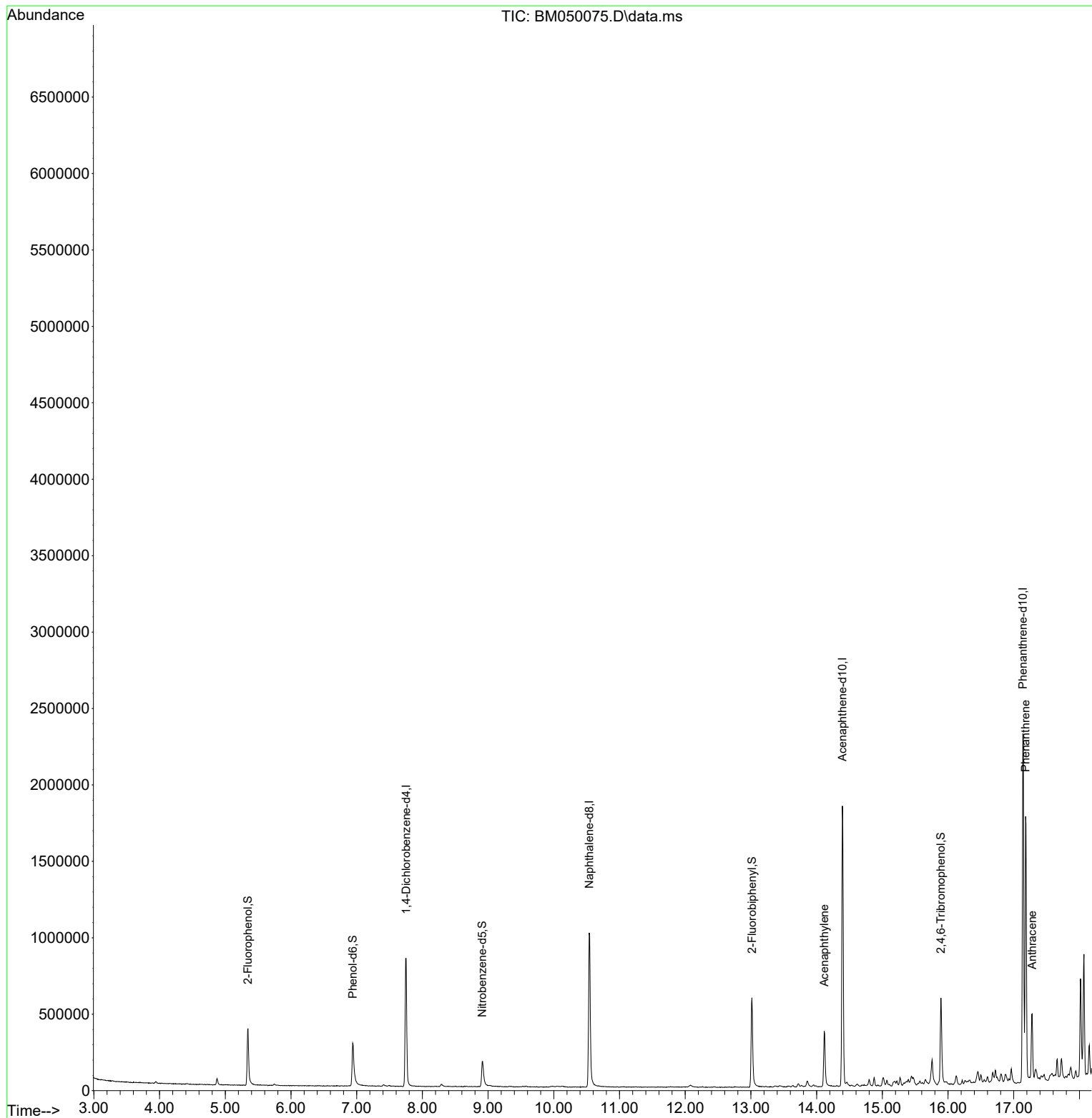
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
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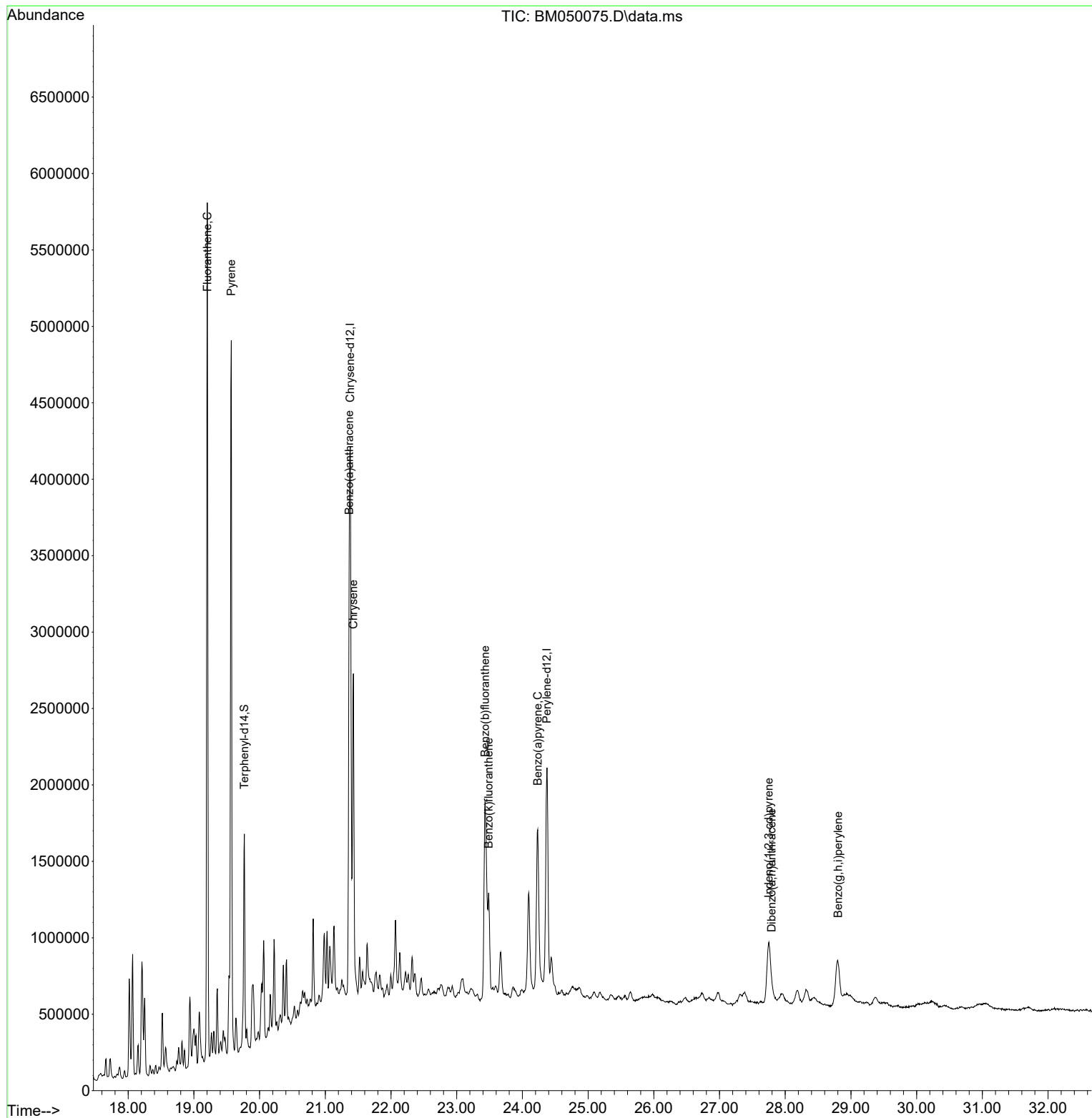
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Data File : BM050075.D
Acq On : 01 May 2025 21:57
Operator : RC/JU
Sample : Q1900-09 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
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APPROVED

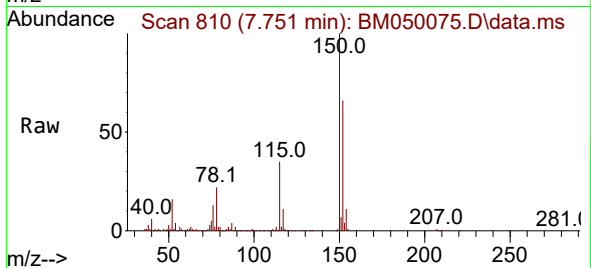
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.751 min Scan# 813
Delta R.T. -0.018 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

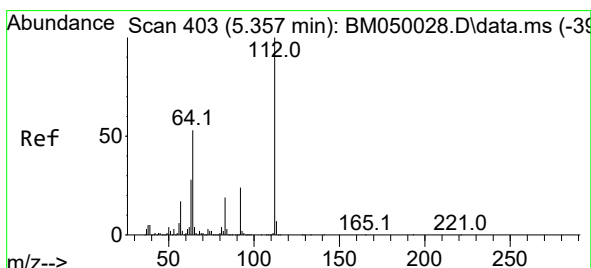
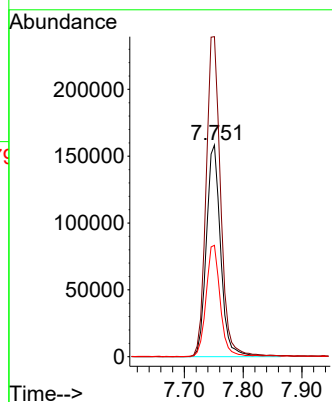
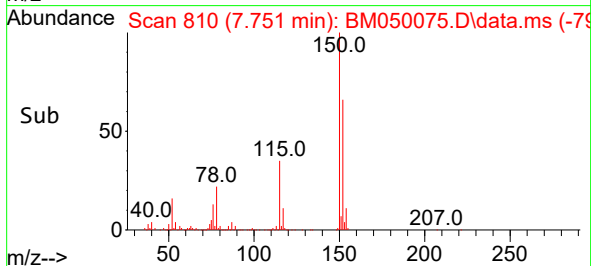
Instrument :
BNA_M
ClientSampleId :
WC-3



Tgt Ion:152 Resp: 267028
Ion Ratio Lower Upper
152 100
150 151.2 124.1 186.1
115 52.6 41.2 61.8

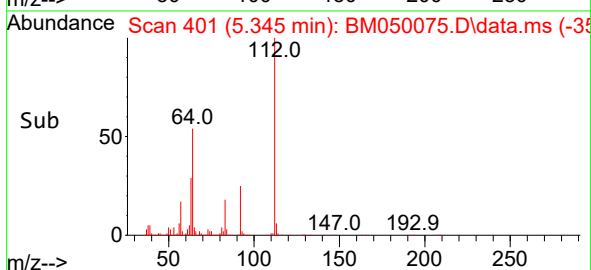
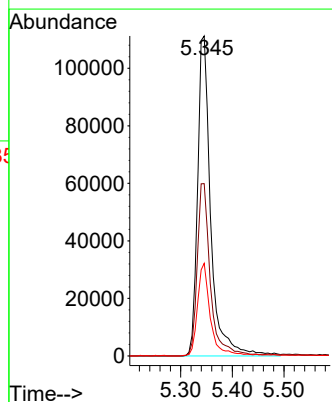
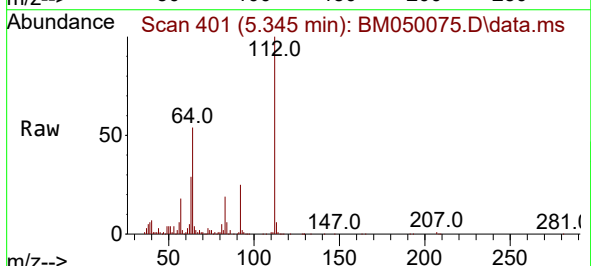
Manual Integrations
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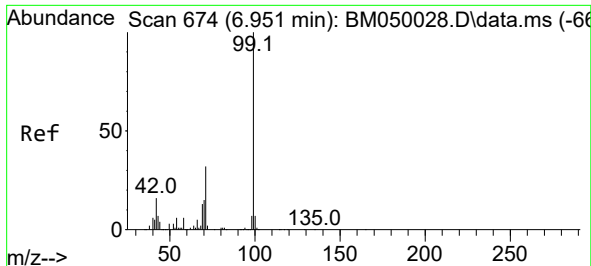
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#5
2-Fluorophenol
Concen: 12.952 ng
RT: 5.345 min Scan# 401
Delta R.T. -0.012 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

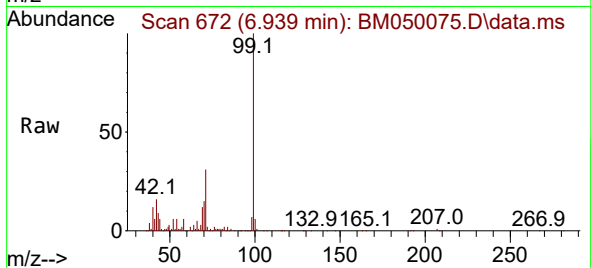
Tgt Ion:112 Resp: 197504
Ion Ratio Lower Upper
112 100
64 53.9 42.6 64.0
63 28.9 22.2 33.4





#7
Phenol-d6
Concen: 12.146 ng
RT: 6.939 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

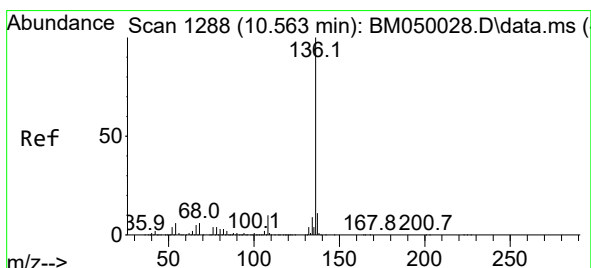
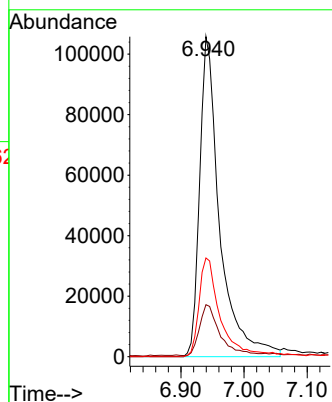
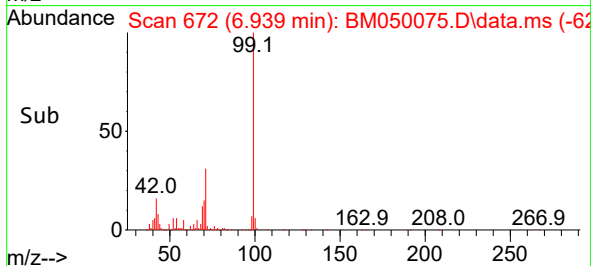
Instrument :
BNA_M
ClientSampleId :
WC-3



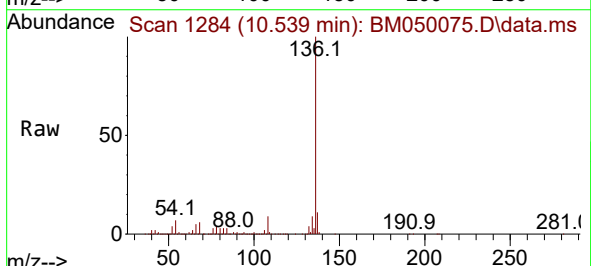
Tgt Ion: 99 Resp: 23280
Ion Ratio Lower Upper
99 100
42 16.2 13.0 19.4
71 30.9 25.6 38.4

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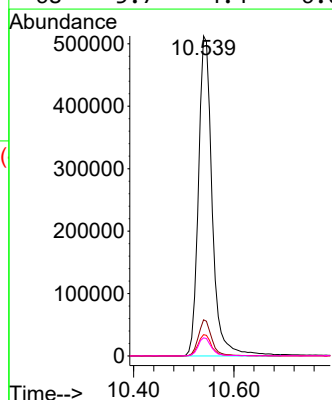
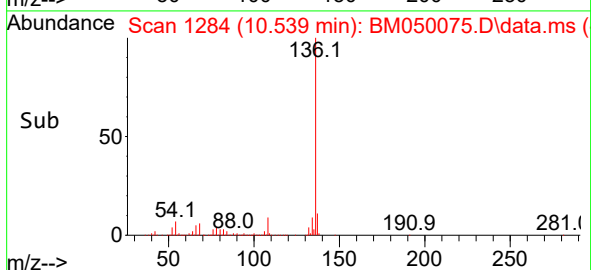
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

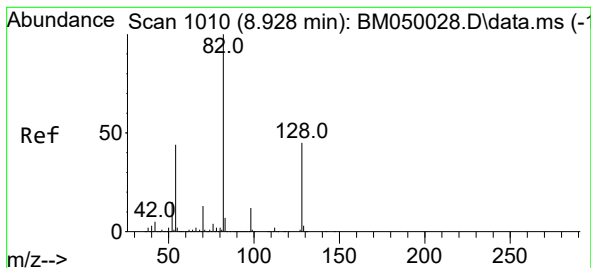


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57



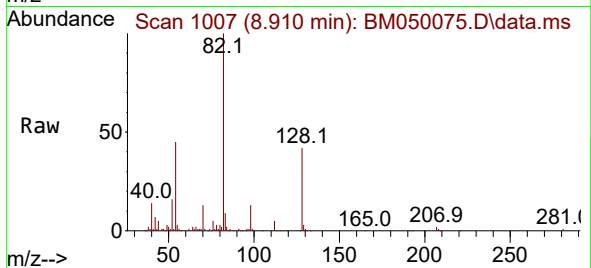
Tgt Ion:136 Resp: 976524
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 6.7 5.1 7.7
68 5.7 4.4 6.6





#23
Nitrobenzene-d5
Concen: 7.209 ng
RT: 8.910 min Scan# 1010
Delta R.T. -0.018 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

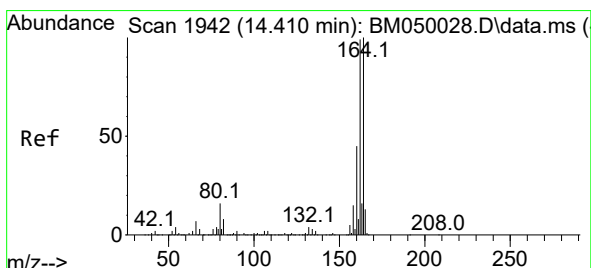
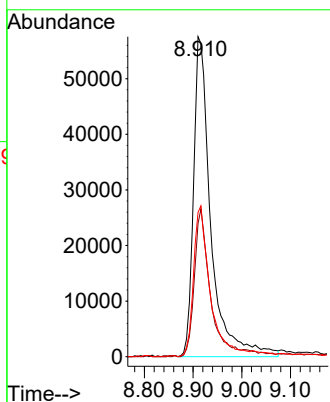
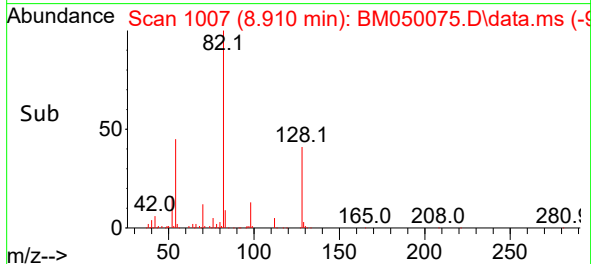
Instrument :
BNA_M
ClientSampleId :
WC-3



Tgt Ion: 82 Resp: 14287
Ion Ratio Lower Upper
82 100
128 41.6 35.7 53.5
54 45.1 35.4 53.2

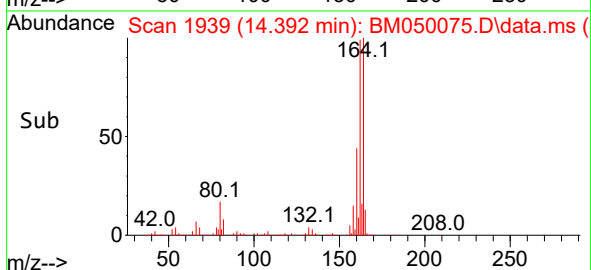
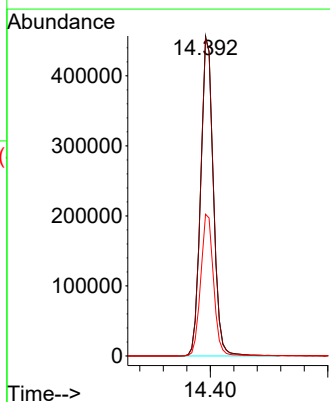
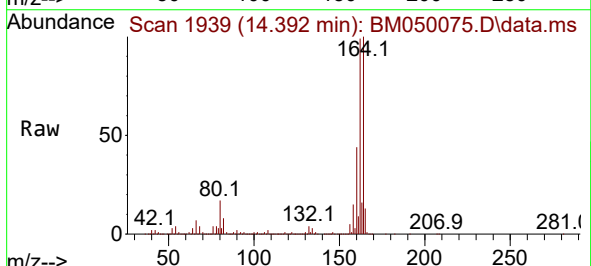
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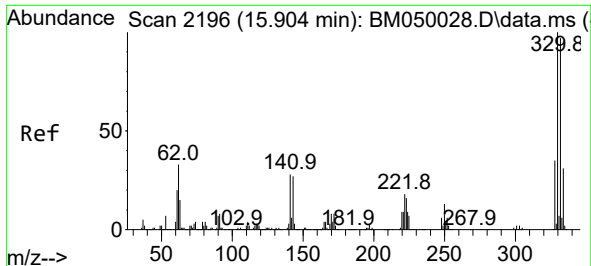
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

Tgt Ion:164 Resp: 684006
Ion Ratio Lower Upper
164 100
162 99.3 79.4 119.0
160 44.3 36.2 54.4





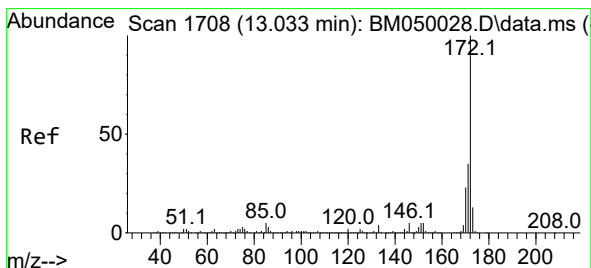
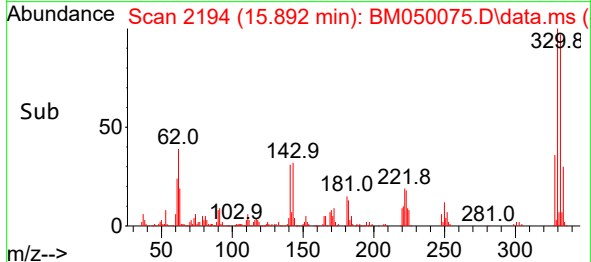
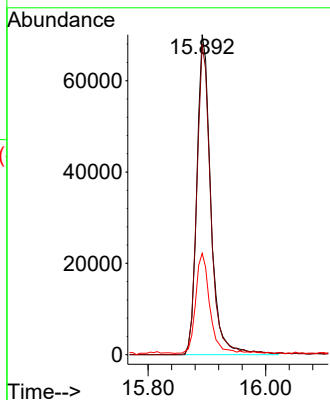
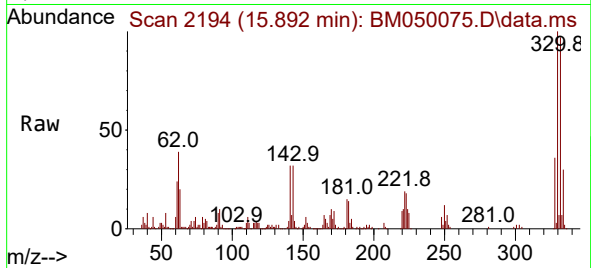
#42
2,4,6-Tribromophenol
Concen: 11.426 ng
RT: 15.892 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

Instrument :
BNA_M
ClientSampleId :
WC-3

Tgt Ion:330 Resp: 11556
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 32.4 22.5 33.7

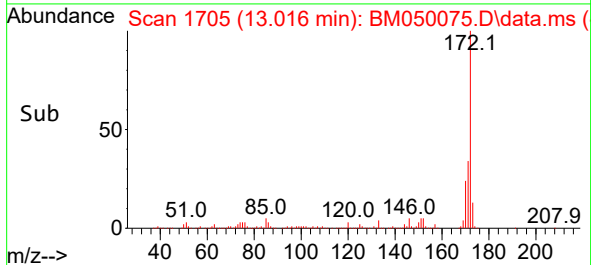
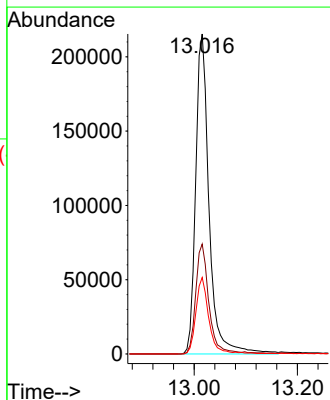
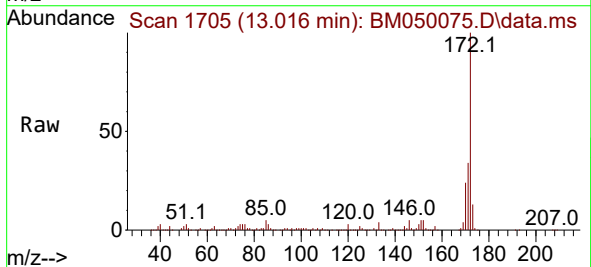
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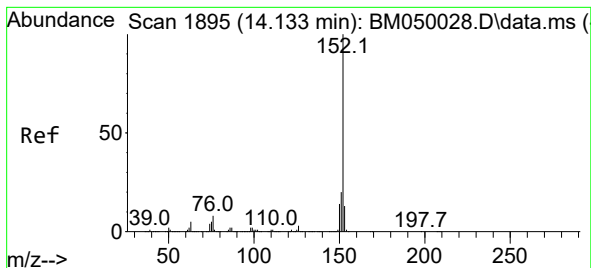
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#45
2-Fluorobiphenyl
Concen: 6.702 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.018 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

Tgt Ion:172 Resp: 387499
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.6
170 23.9 18.6 28.0





#49

Acenaphthylene

Concen: 4.831 ng

RT: 14.116 min Scan# 1

Delta R.T. -0.018 min

Lab File: BM050075.D

Acq: 01 May 2025 21:57

Instrument :

BNA_M

ClientSampleId :

WC-3

Tgt Ion:152 Resp: 30671

Ion Ratio Lower Upper

152 100

151 19.6 15.8 23.8

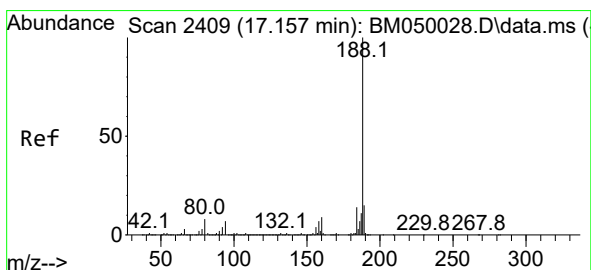
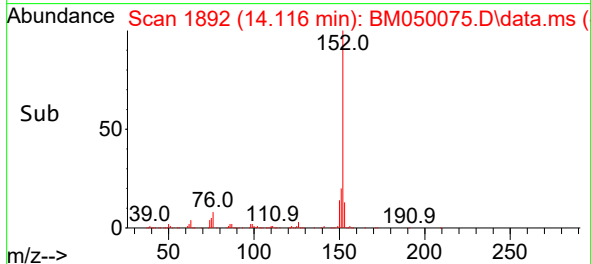
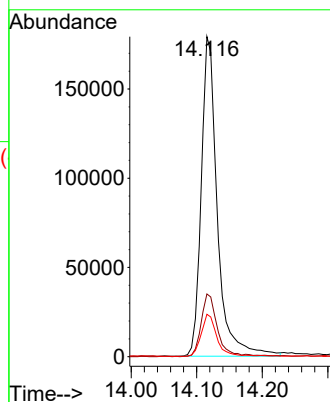
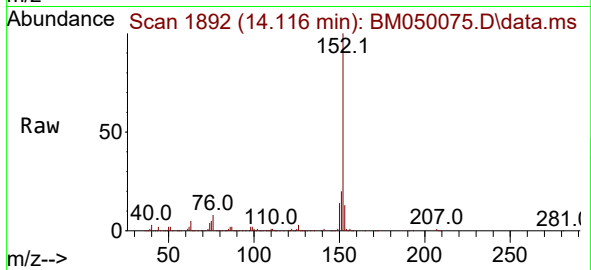
153 13.2 10.6 15.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/02/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.139 min Scan# 2406

Delta R.T. -0.018 min

Lab File: BM050075.D

Acq: 01 May 2025 21:57

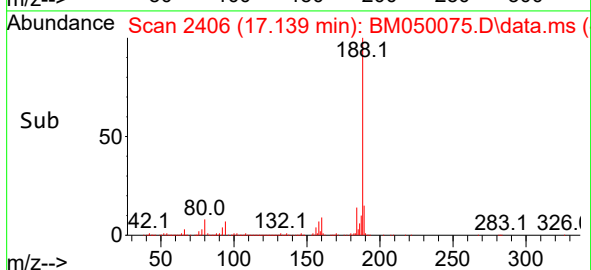
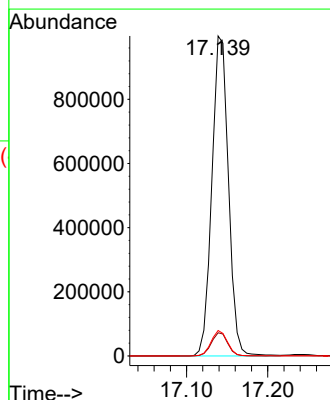
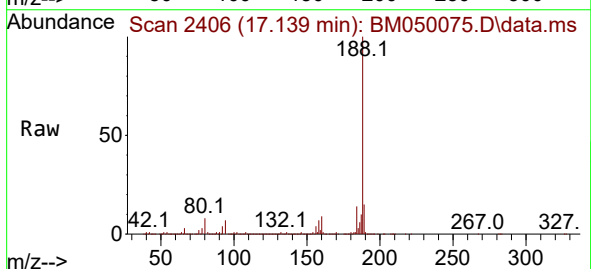
Tgt Ion:188 Resp: 1415488

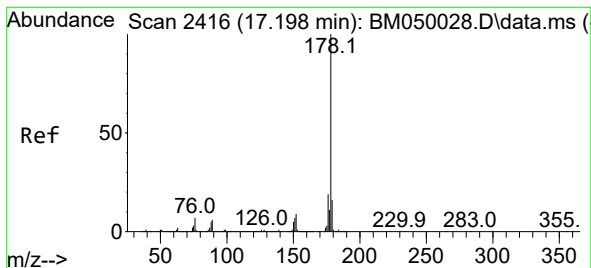
Ion Ratio Lower Upper

188 100

94 7.3 5.7 8.5

80 7.9 6.2 9.4





#71

Phenanthrene

Concen: 13.954 ng

RT: 17.180 min Scan# 2416

Delta R.T. -0.018 min

Lab File: BM050075.D

Acq: 01 May 2025 21:57

Instrument :

BNA_M

ClientSampleId :

WC-3

Tgt Ion:178 Resp: 1114062

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

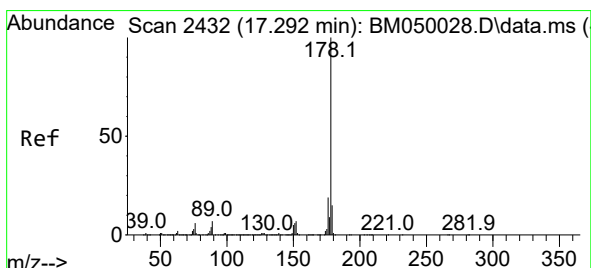
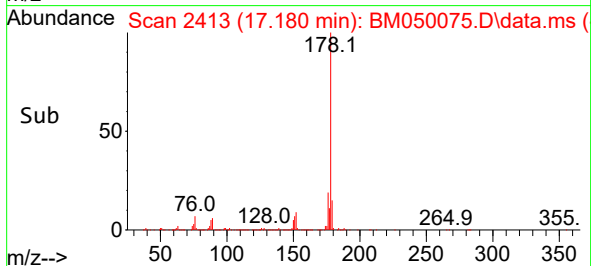
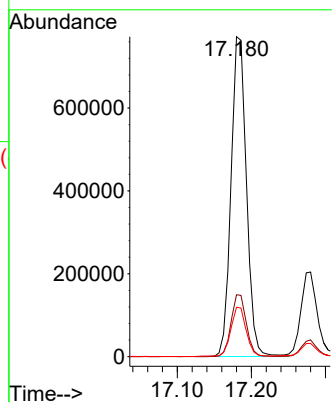
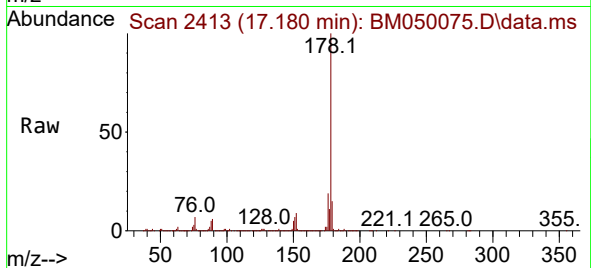
179 15.4 12.4 18.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/02/2025



#72

Anthracene

Concen: 3.770 ng

RT: 17.280 min Scan# 2430

Delta R.T. -0.012 min

Lab File: BM050075.D

Acq: 01 May 2025 21:57

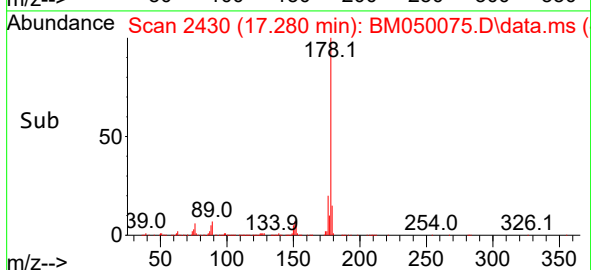
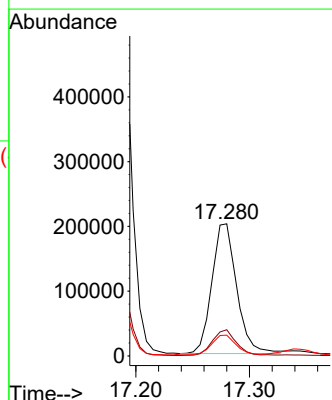
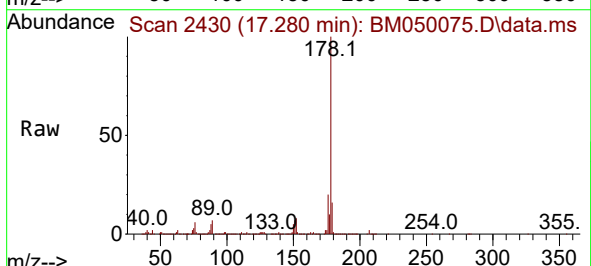
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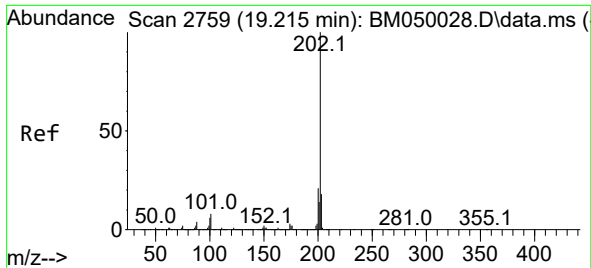
Ion Ratio Lower Upper

178 100

176 19.8 15.0 22.4

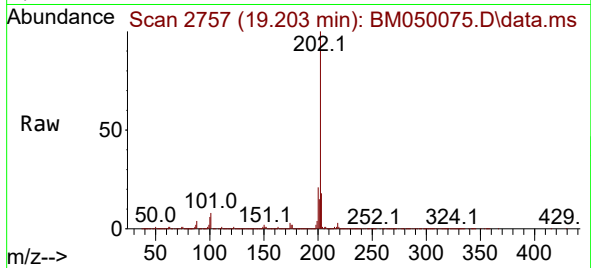
179 15.7 12.2 18.4





#75
Fluoranthene
Concen: 33.396 ng
RT: 19.203 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

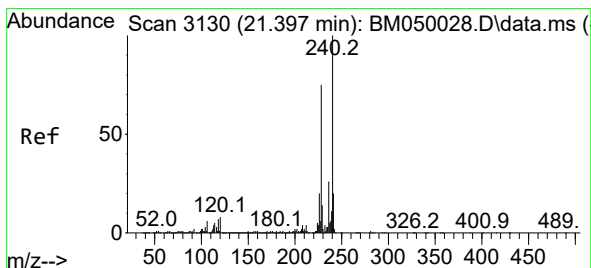
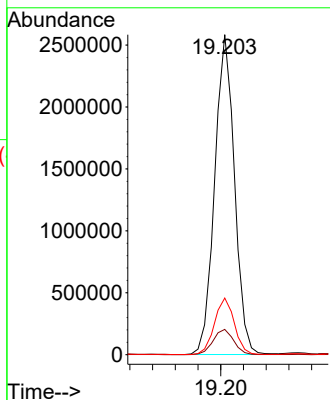
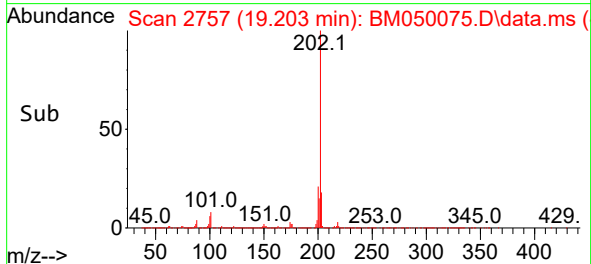
Instrument :
BNA_M
ClientSampleId :
WC-3



Tgt Ion:202 Resp: 3130220
Ion Ratio Lower Upper
202 100
101 7.9 0.0 28.0
203 17.7 0.0 37.7

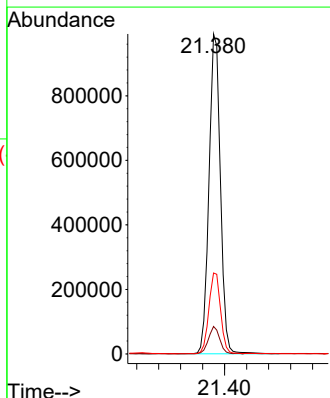
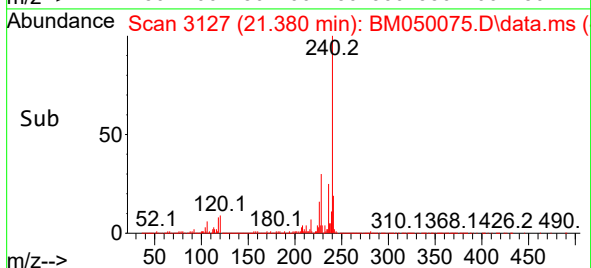
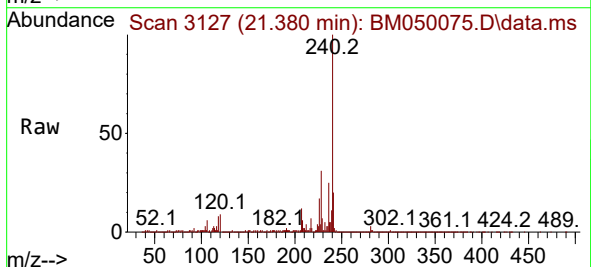
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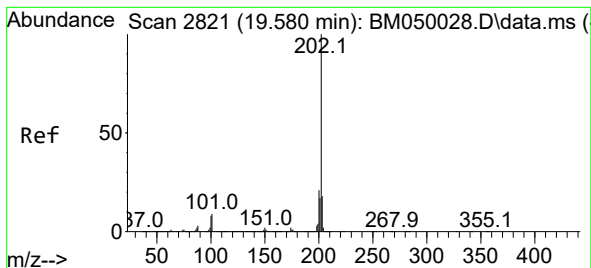
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.017 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

Tgt Ion:240 Resp: 1424302
Ion Ratio Lower Upper
240 100
120 8.6 6.5 9.7
236 25.3 20.9 31.3





#78

Pyrene

Concen: 28.965 ng

RT: 19.568 min Scan# 2819

Delta R.T. -0.012 min

Lab File: BM050075.D

Acq: 01 May 2025 21:57

Instrument :

BNA_M

ClientSampleId :

WC-3

Tgt Ion:202 Resp: 2897000

Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

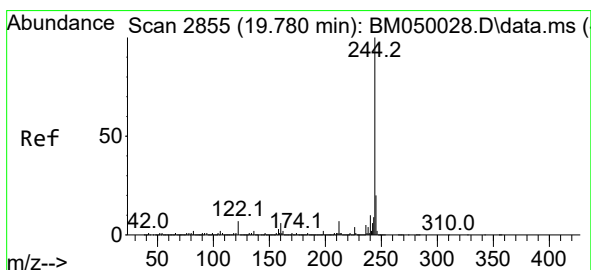
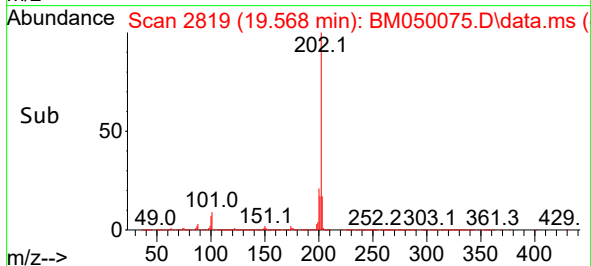
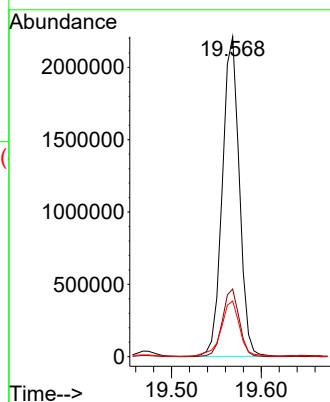
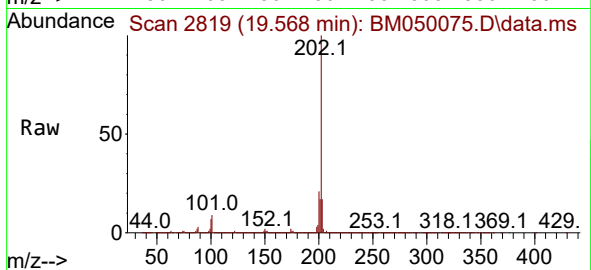
203 17.4 14.1 21.1

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Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025



#79

Terphenyl-d14

Concen: 6.624 ng

RT: 19.768 min Scan# 2853

Delta R.T. -0.012 min

Lab File: BM050075.D

Acq: 01 May 2025 21:57

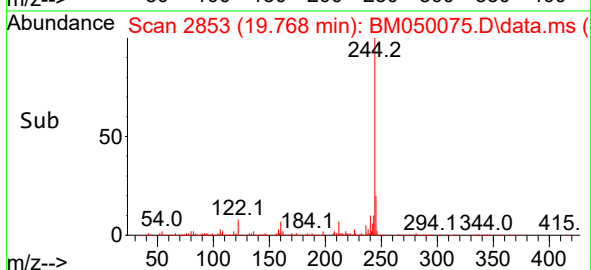
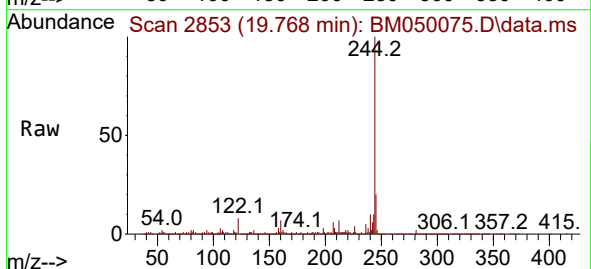
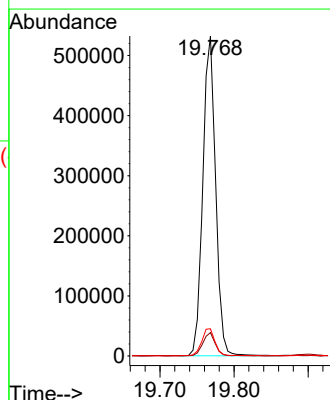
Tgt Ion:244 Resp: 637604

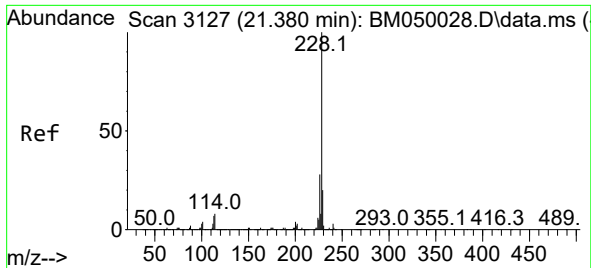
Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

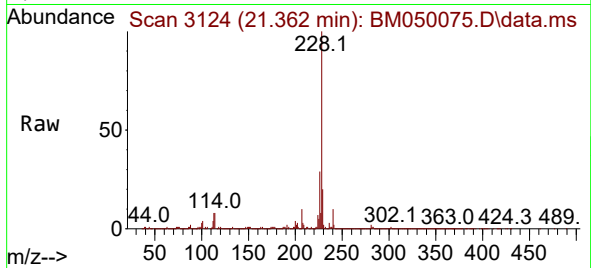
122 8.5 5.6 8.4#





#81
Benzo(a)anthracene
Concen: 16.498 ng
RT: 21.362 min Scan# 3124
Delta R.T. -0.018 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

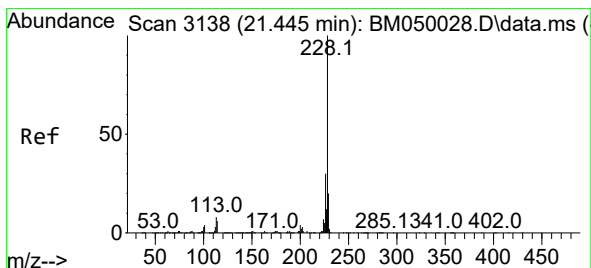
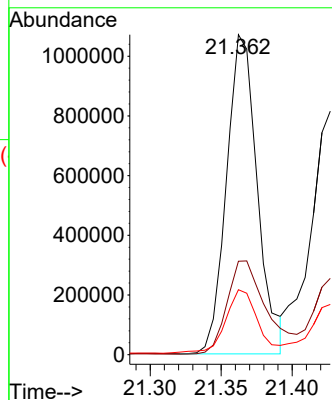
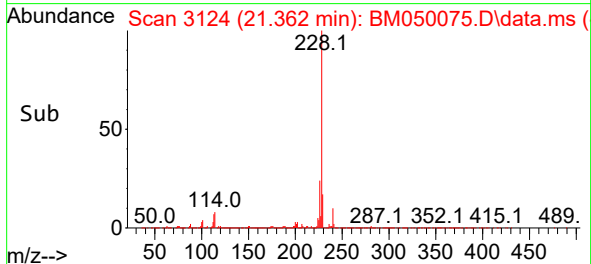
Instrument :
BNA_M
ClientSampleId :
WC-3



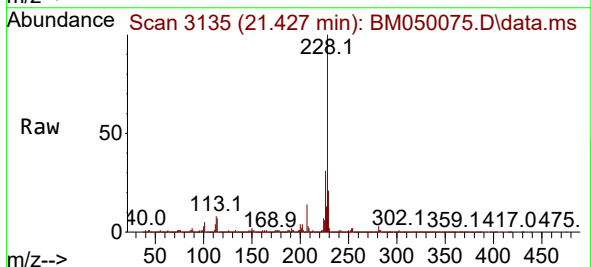
Tgt Ion:228 Resp: 161818
Ion Ratio Lower Upper
228 100
226 29.2 22.1 33.1
229 20.3 15.7 23.5

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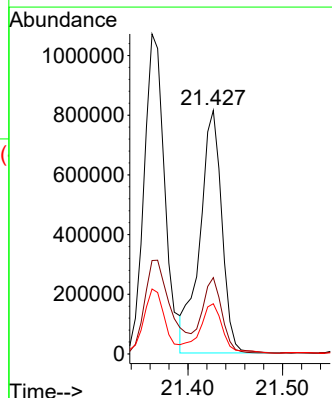
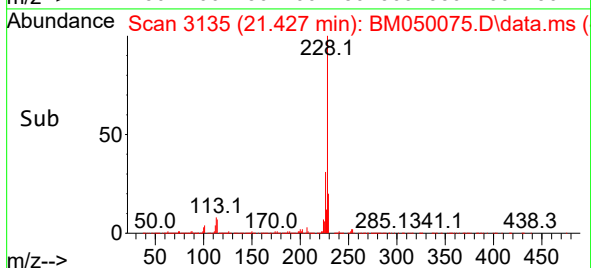
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

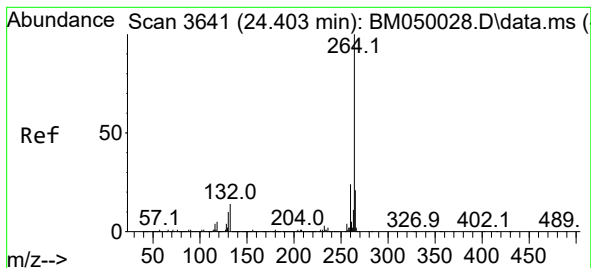


#83
Chrysene
Concen: 14.425 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.018 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57



Tgt Ion:228 Resp: 1309452
Ion Ratio Lower Upper
228 100
226 31.3 24.2 36.2
229 20.6 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.374 min Scan# 30

Delta R.T. -0.030 min

Lab File: BM050075.D

Acq: 01 May 2025 21:57

Instrument :

BNA_M

ClientSampleId :

WC-3

Tgt Ion:264 Resp: 139095

Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

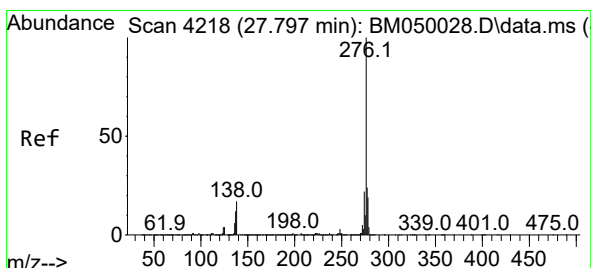
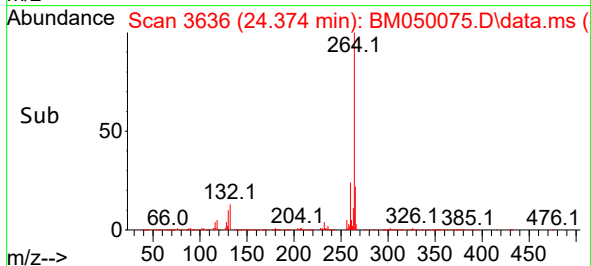
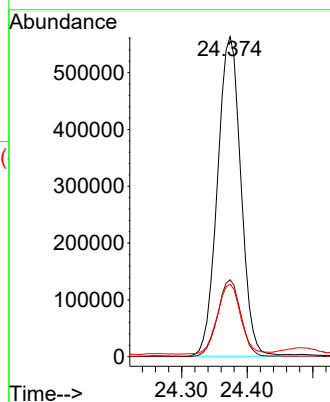
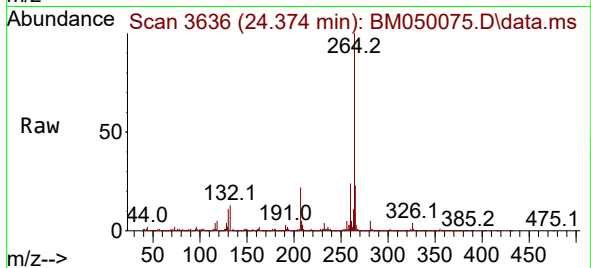
265 22.7 17.0 25.4

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Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.695 ng

RT: 27.750 min Scan# 4210

Delta R.T. -0.047 min

Lab File: BM050075.D

Acq: 01 May 2025 21:57

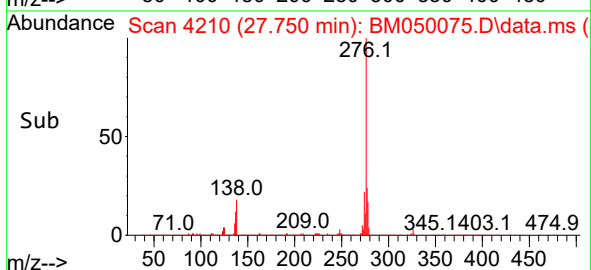
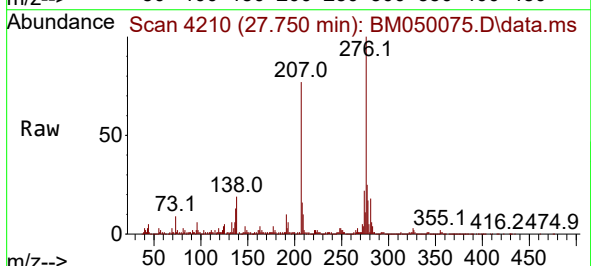
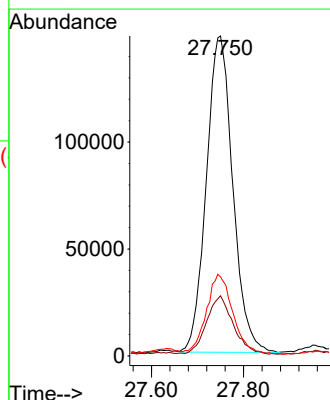
Tgt Ion:276 Resp: 590207

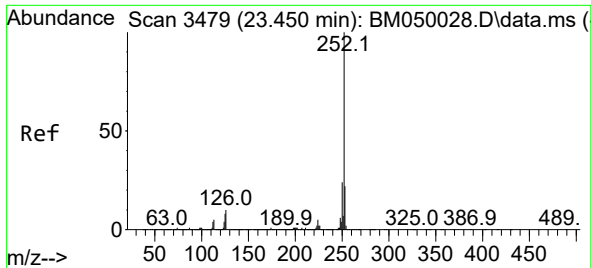
Ion Ratio Lower Upper

276 100

138 18.4 16.4 24.6

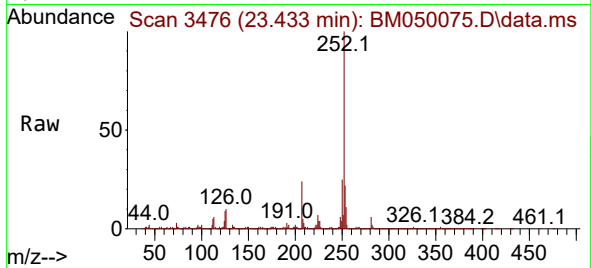
277 25.3 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 15.303 ng
RT: 23.433 min Scan# 3479
Delta R.T. -0.018 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

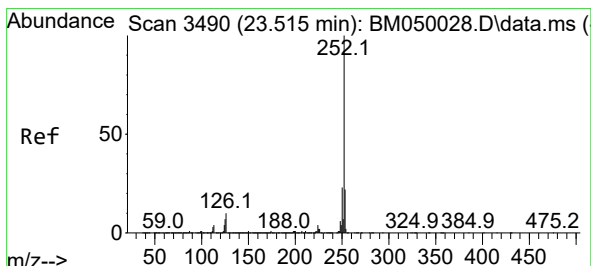
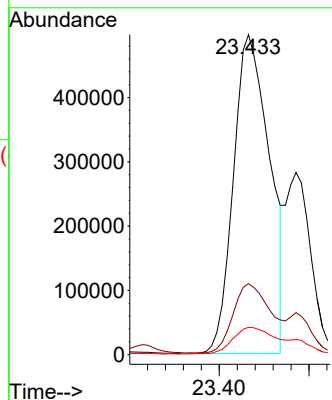
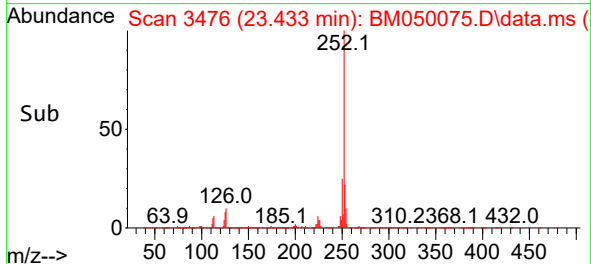
Instrument :
BNA_M
ClientSampleId :
WC-3



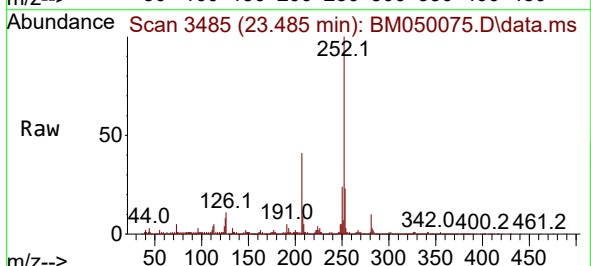
Tgt Ion:252 Resp: 138428
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 8.5 6.1 9.1

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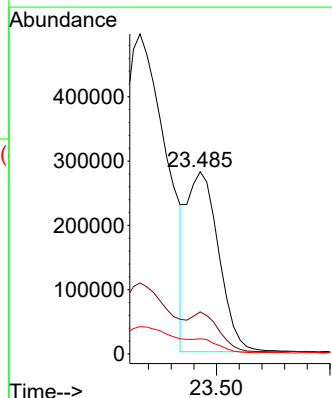
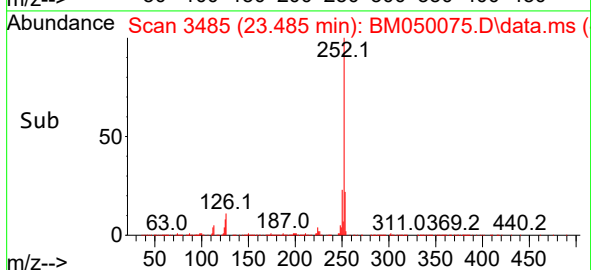
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

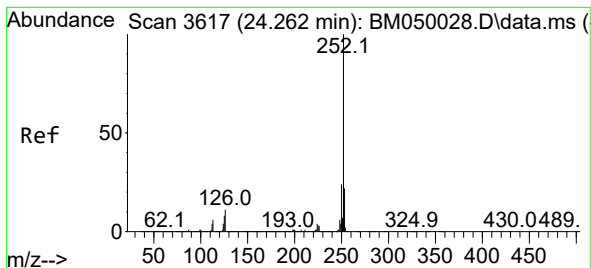


#89
Benzo(k)fluoranthene
Concen: 5.956 ng m
RT: 23.485 min Scan# 3485
Delta R.T. -0.029 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57



Tgt Ion:252 Resp: 544999
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 8.3 5.8 8.8





#90

Benzo(a)pyrene

Concen: 11.444 ng

RT: 24.233 min Scan# 3

Delta R.T. -0.029 min

Lab File: BM050075.D

Acq: 01 May 2025 21:57

Instrument :

BNA_M

ClientSampleId :

WC-3

Tgt Ion:252 Resp: 96958

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

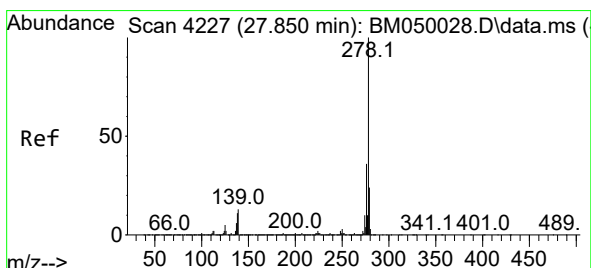
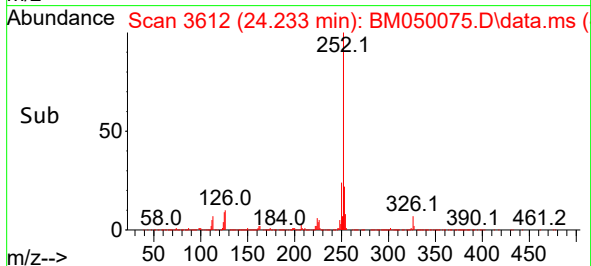
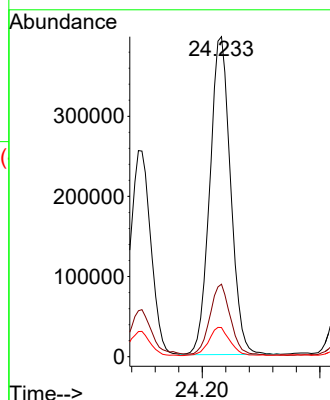
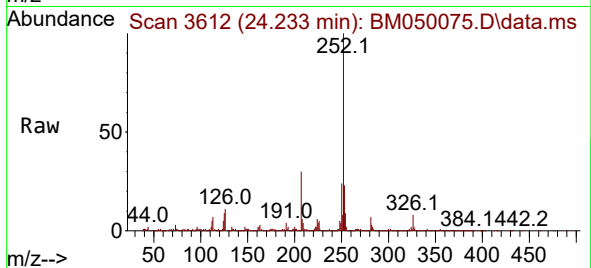
125 9.1 6.6 9.8

Manual Integrations

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Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025



#91

Dibenzo(a,h)anthracene

Concen: 2.033 ng m

RT: 27.791 min Scan# 4217

Delta R.T. -0.059 min

Lab File: BM050075.D

Acq: 01 May 2025 21:57

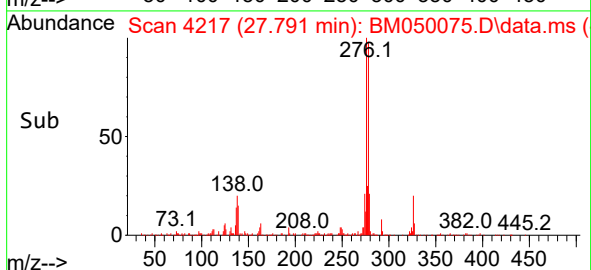
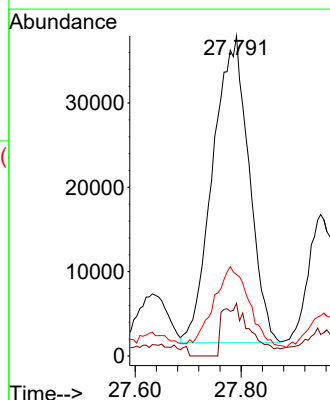
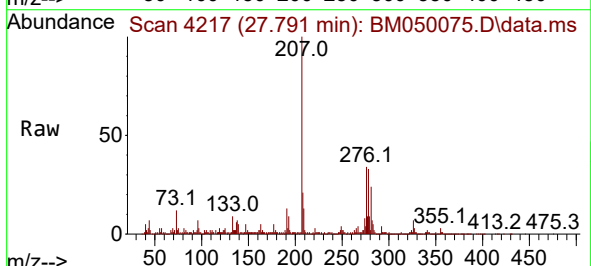
Tgt Ion:278 Resp: 171781

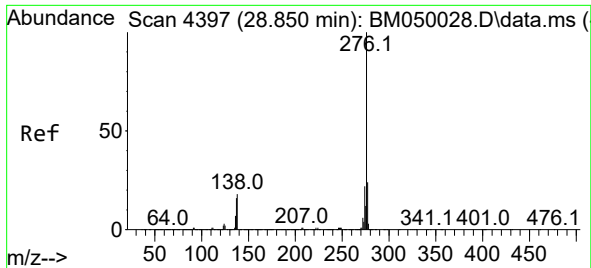
Ion Ratio Lower Upper

278 100

139 16.4 10.5 15.7#

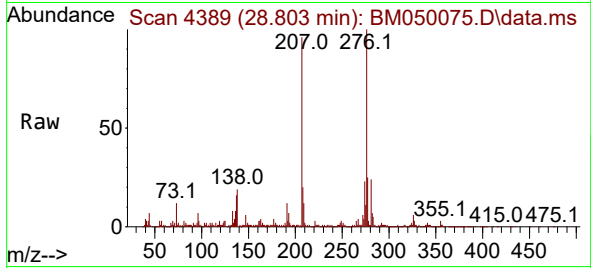
279 25.5 19.4 29.0





#92
Benzo(g,h,i)perylene
Concen: 6.385 ng
RT: 28.803 min Scan# 4389
Delta R.T. -0.047 min
Lab File: BM050075.D
Acq: 01 May 2025 21:57

Instrument :
BNA_M
ClientSampleId :
WC-3



Tgt Ion: 276 Resp: 516460
Ion Ratio Lower Upper
276 100
277 24.7 19.1 28.7
138 19.0 14.3 21.5

Manual Integrations
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Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

