

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
 Data File : BM050076.D
 Acq On : 01 May 2025 22:36
 Operator : RC/JU
 Sample : Q1905-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MH-G

Manual Integrations
 APPROVED

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

Quant Time: May 02 01:13:49 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.751	152	265931	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	982535	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	679483	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1391518	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1398009	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1414560	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	229995	15.144	ng	-0.01
7) Phenol-d6	6.939	99	285187	14.941	ng	-0.01
23) Nitrobenzene-d5	8.916	82	170259	8.539	ng	-0.01
42) 2,4,6-Tribromophenol	15.892	330	142061	14.140	ng	-0.01
45) 2-Fluorobiphenyl	13.016	172	482571	8.402	ng	-0.02
79) Terphenyl-d14	19.768	244	708428	7.498	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.115	152	225622	3.577	ng	98
71) Phenanthrene	17.186	178	600370	7.650	ng	99
72) Anthracene	17.280	178	232532	2.928	ng	99
75) Fluoranthene	19.203	202	1025605	11.130	ng	100
78) Pyrene	19.562	202	952755	9.705	ng	99
81) Benzo(a)anthracene	21.362	228	598160	6.213	ng	97
83) Chrysene	21.427	228	526465	5.909	ng	97
87) Indeno(1,2,3-cd)pyrene	27.744	276	613985	5.825	ng	97
88) Benzo(b)fluoranthene	23.433	252	1130915	12.293	ng	99
89) Benzo(k)fluoranthene	23.485	252	293977m	3.159	ng	
90) Benzo(a)pyrene	24.232	252	796098	9.240	ng	97
92) Benzo(g,h,i)perylene	28.791	276	593080	7.210	ng	99

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

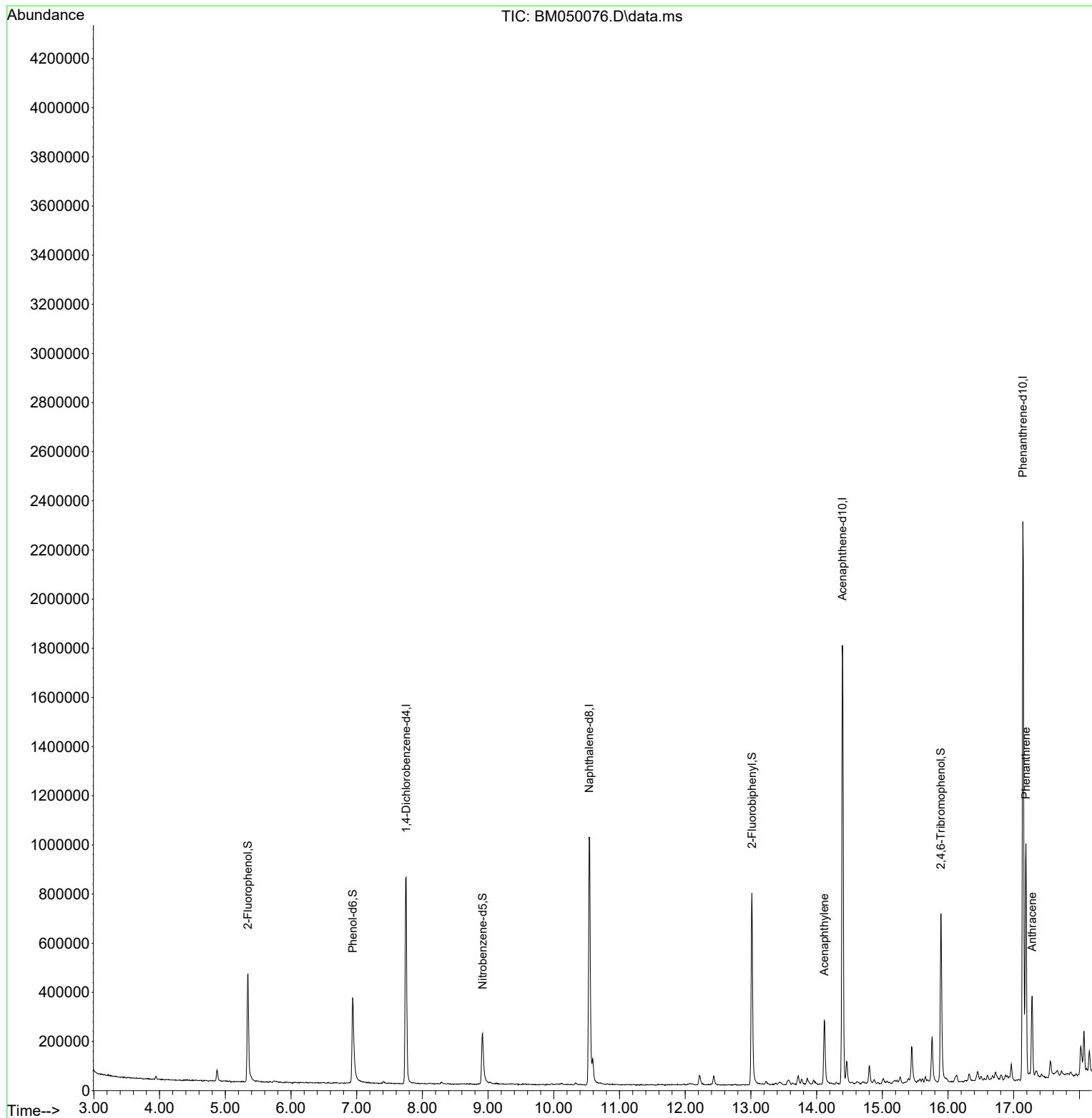
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050076.D
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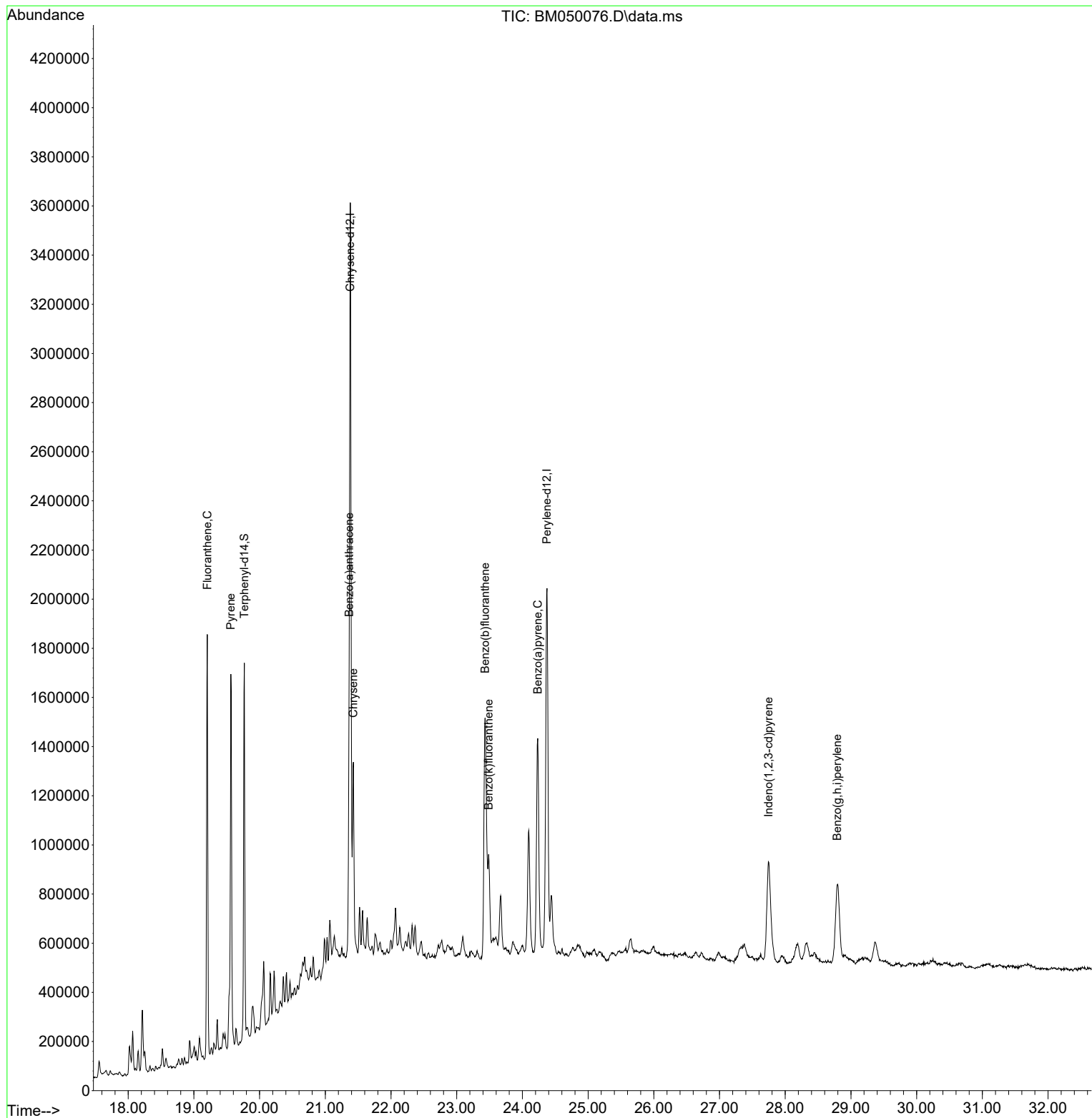
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Data File : BM050076.D
Acq On : 01 May 2025 22:36
Operator : RC/JU
Sample : Q1905-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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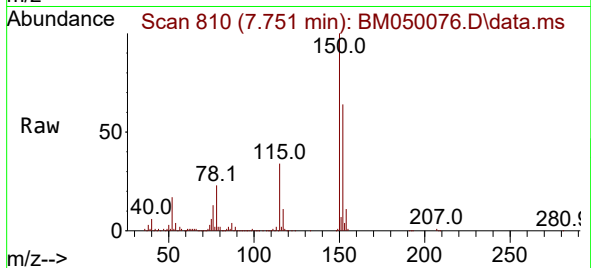
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.751 min Scan# 813
Delta R.T. -0.018 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36

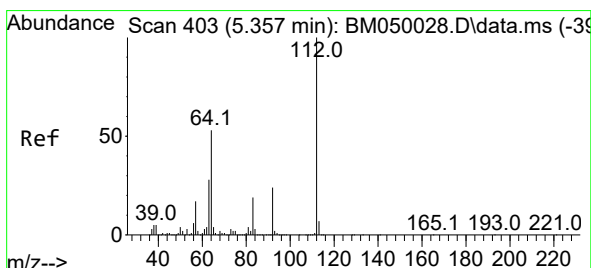
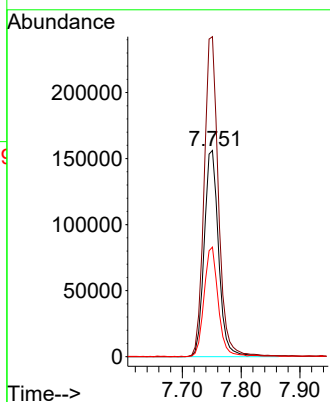
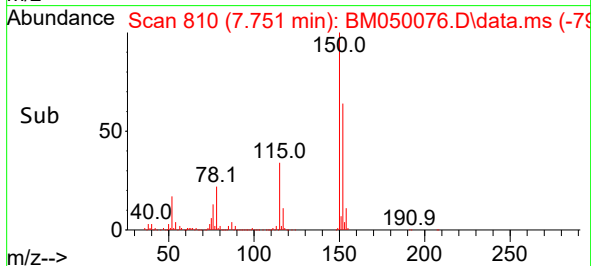
Instrument :
BNA_M
ClientSampleId :
MH-G



Tgt Ion:152 Resp: 26593
Ion Ratio Lower Upper
152 100
150 155.2 124.1 186.1
115 53.1 41.2 61.8

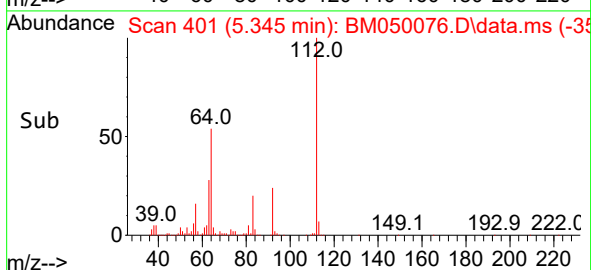
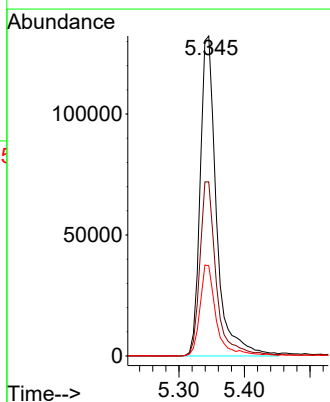
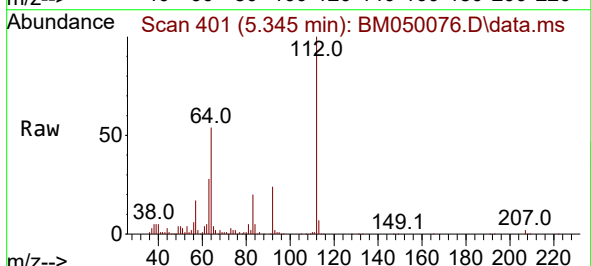
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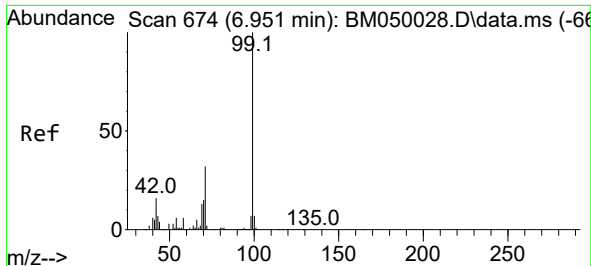
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#5
2-Fluorophenol
Concen: 15.144 ng
RT: 5.345 min Scan# 401
Delta R.T. -0.012 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36

Tgt Ion:112 Resp: 229995
Ion Ratio Lower Upper
112 100
64 54.4 42.6 64.0
63 28.2 22.2 33.4





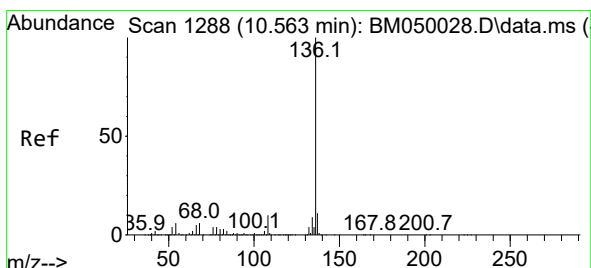
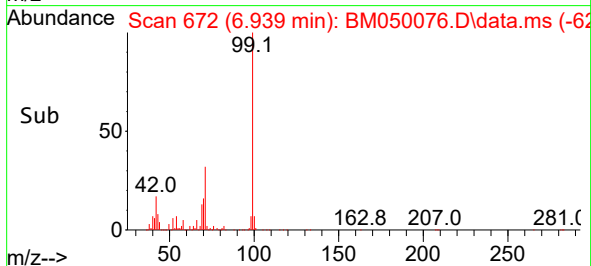
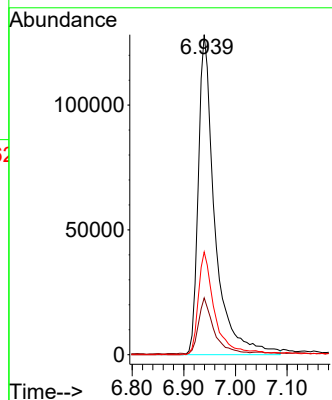
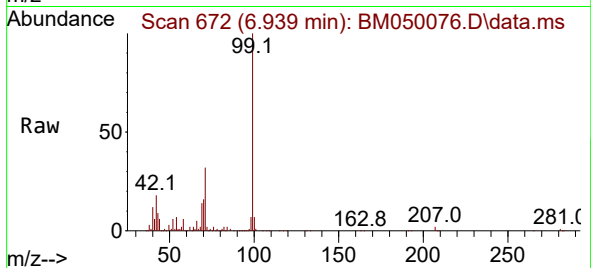
#7
Phenol-d6
Concen: 14.941 ng
RT: 6.939 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36

Instrument :
BNA_M
ClientSampleId :
MH-G

Tgt Ion: 99 Resp: 28518
Ion Ratio Lower Upper
99 100
42 17.8 13.0 19.4
71 32.1 25.6 38.4

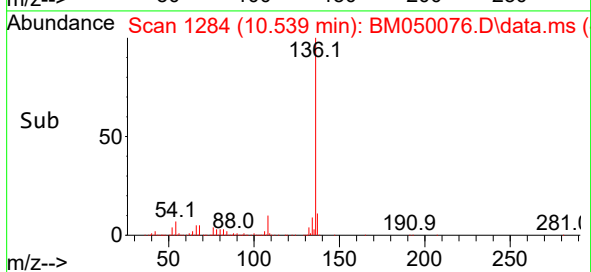
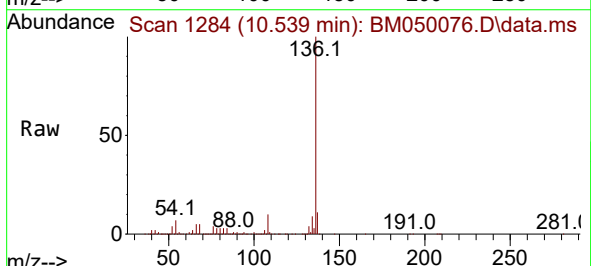
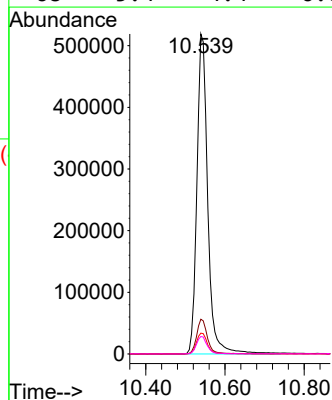
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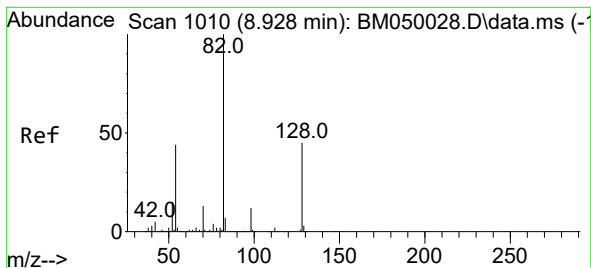
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36

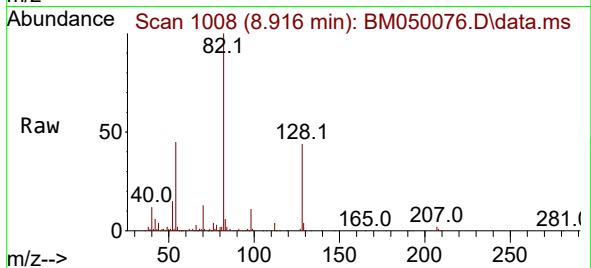
Tgt Ion:136 Resp: 982535
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.5 5.1 7.7
68 5.4 4.4 6.6





#23
Nitrobenzene-d5
Concen: 8.539 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.012 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36

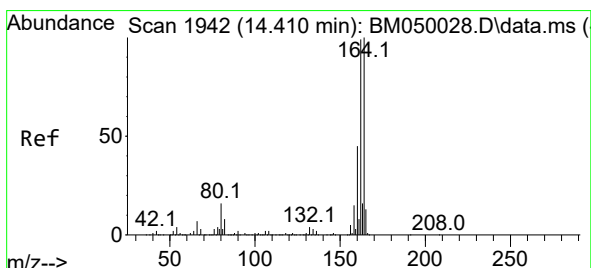
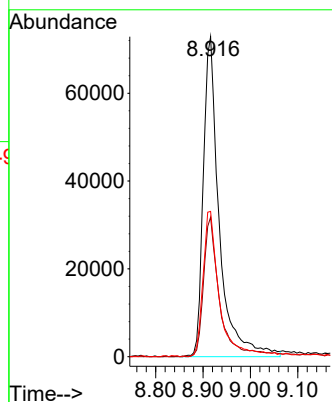
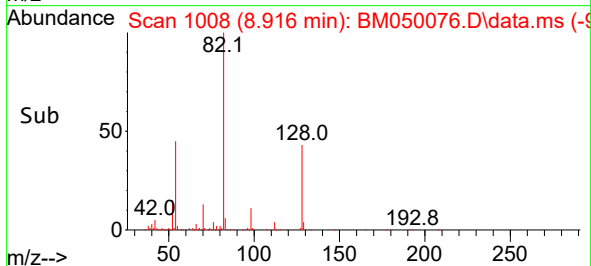
Instrument :
BNA_M
ClientSampleId :
MH-G



Tgt Ion: 82 Resp: 170259
Ion Ratio Lower Upper
82 100
128 43.6 35.7 53.5
54 45.4 35.4 53.2

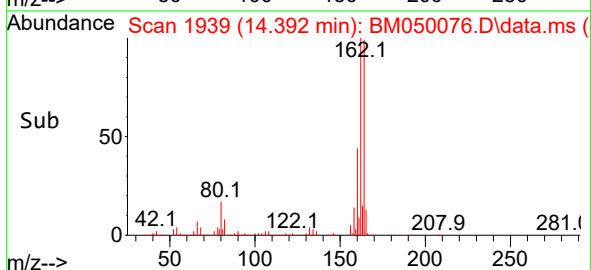
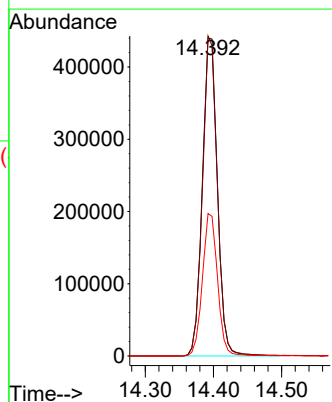
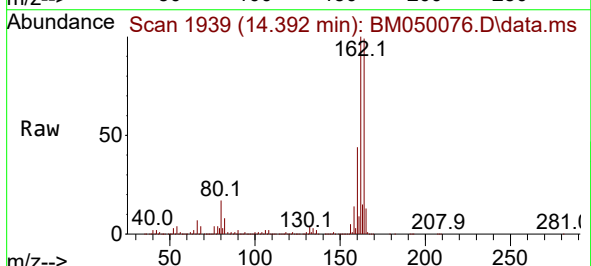
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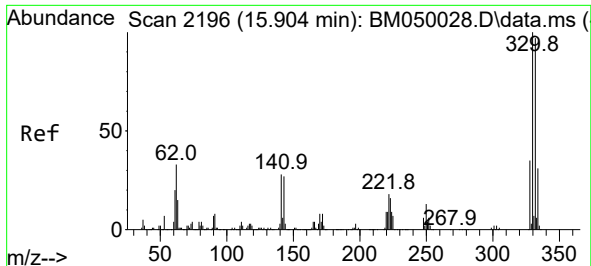
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36

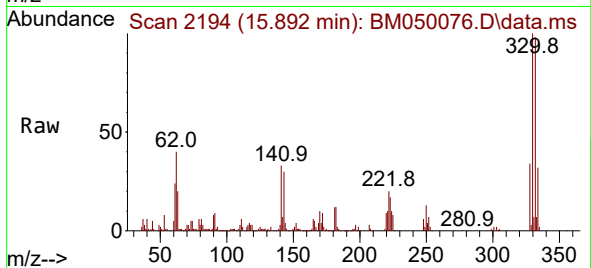
Tgt Ion:164 Resp: 679483
Ion Ratio Lower Upper
164 100
162 100.6 79.4 119.0
160 44.8 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 14.140 ng
RT: 15.892 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36

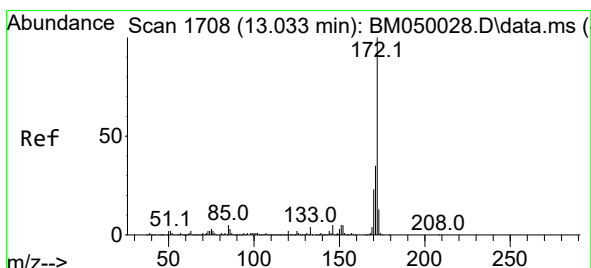
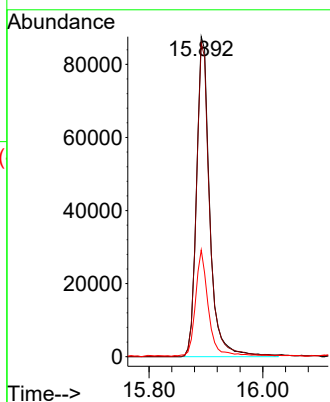
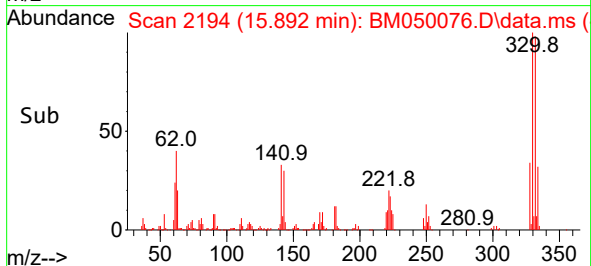
Instrument :
BNA_M
ClientSampleId :
MH-G



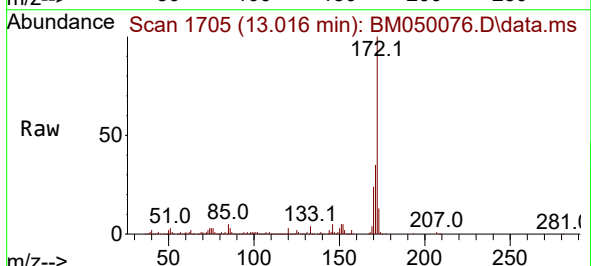
Tgt Ion:330 Resp: 14206
Ion Ratio Lower Upper
330 100
332 97.6 77.3 115.9
141 32.2 22.5 33.7

Manual Integrations
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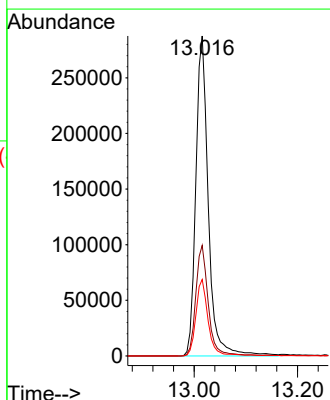
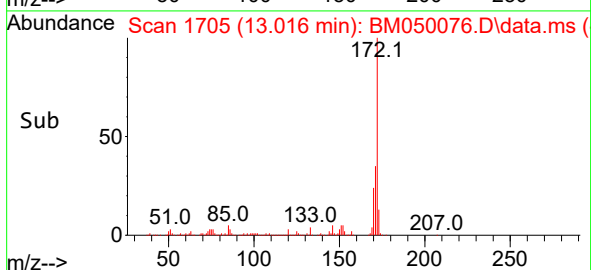
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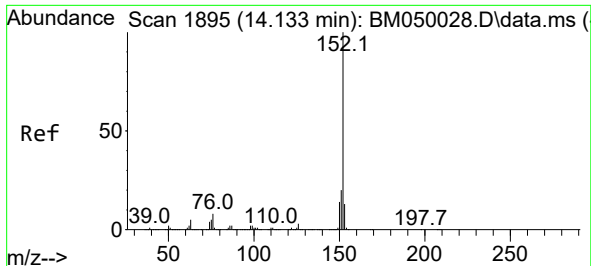


#45
2-Fluorobiphenyl
Concen: 8.402 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.018 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36



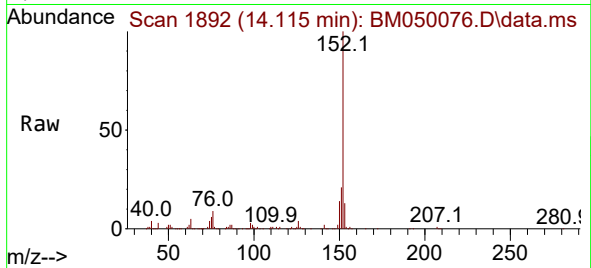
Tgt Ion:172 Resp: 482571
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 23.9 18.6 28.0





#49
Acenaphthylene
Concen: 3.577 ng
RT: 14.115 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36

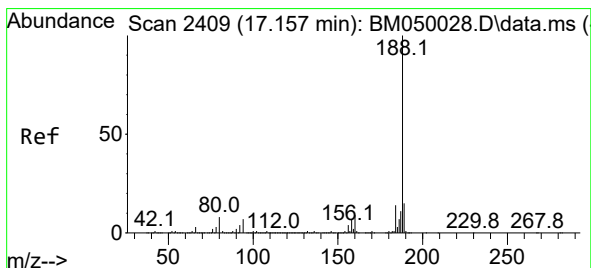
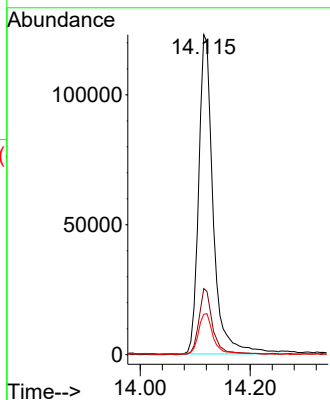
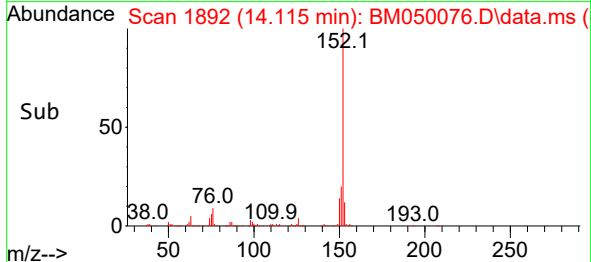
Instrument :
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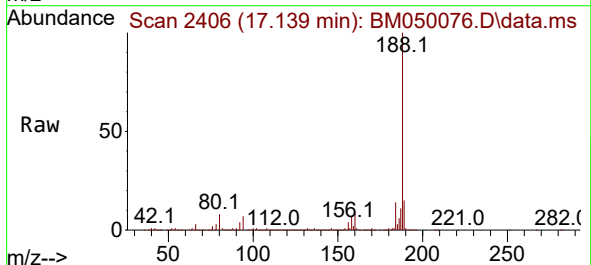
Tgt Ion:152 Resp: 22562
Ion Ratio Lower Upper
152 100
151 20.6 15.8 23.8
153 12.7 10.6 15.8

Manual Integrations
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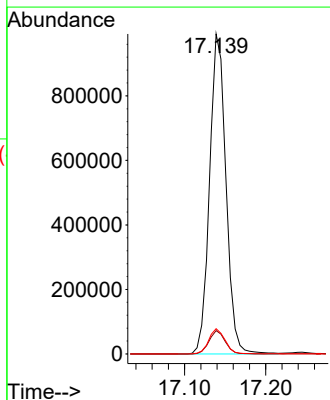
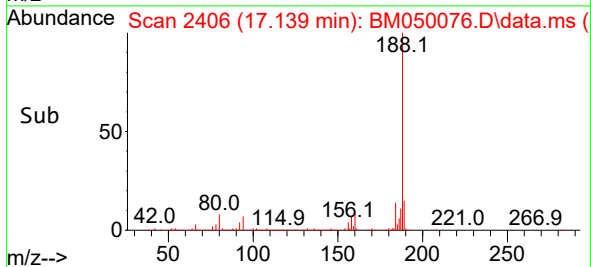
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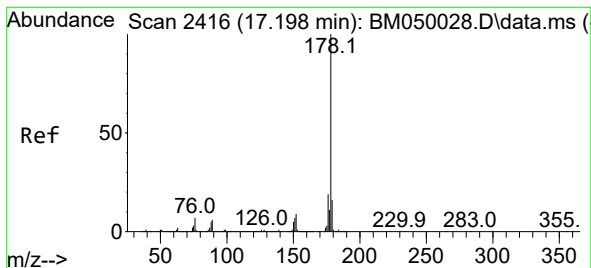


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36



Tgt Ion:188 Resp: 1391518
Ion Ratio Lower Upper
188 100
94 7.3 5.7 8.5
80 7.9 6.2 9.4





#71

Phenanthrene

Concen: 7.650 ng

RT: 17.186 min Scan# 2416

Delta R.T. -0.012 min

Lab File: BM050076.D

Acq: 01 May 2025 22:36

Instrument :

BNA_M

ClientSampleId :

MH-G

Tgt Ion:178 Resp: 600370

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

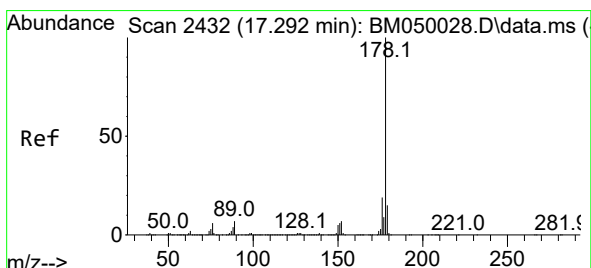
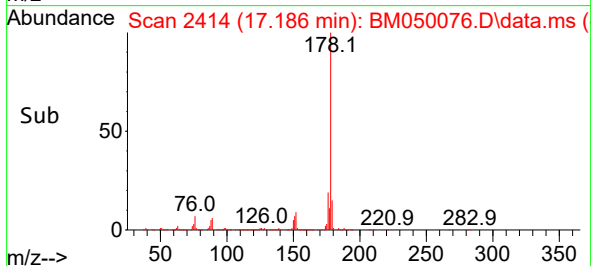
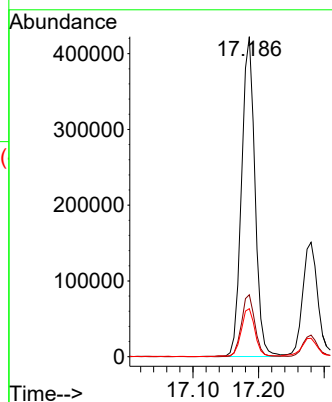
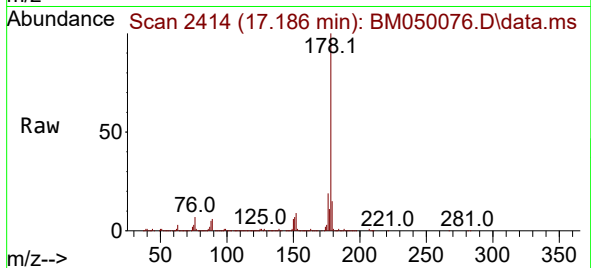
179 15.0 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025



#72

Anthracene

Concen: 2.928 ng

RT: 17.280 min Scan# 2430

Delta R.T. -0.012 min

Lab File: BM050076.D

Acq: 01 May 2025 22:36

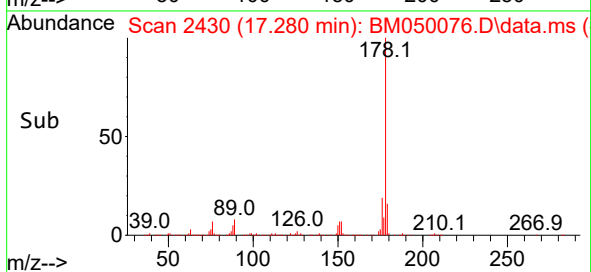
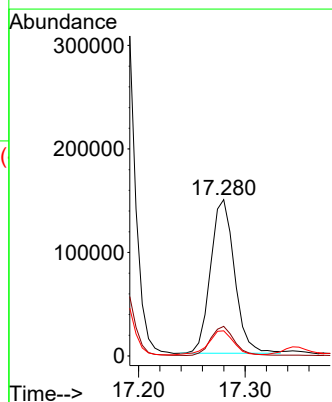
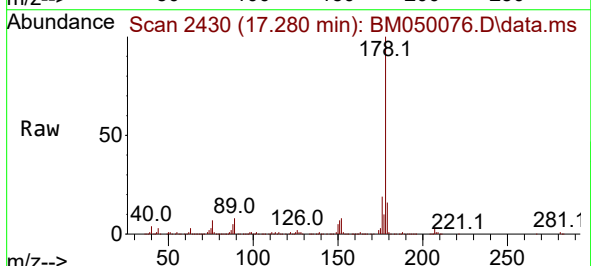
Tgt Ion:178 Resp: 232532

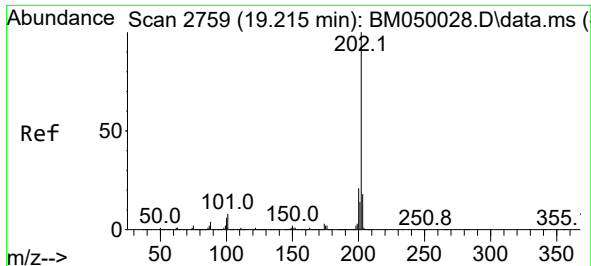
Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

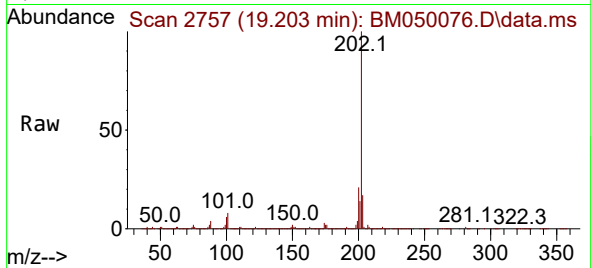
179 16.1 12.2 18.4





#75
Fluoranthene
Concen: 11.130 ng
RT: 19.203 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36

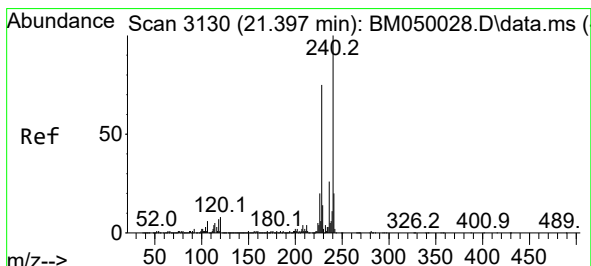
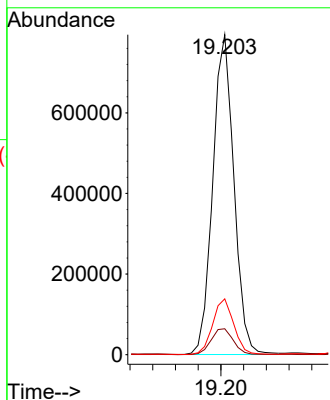
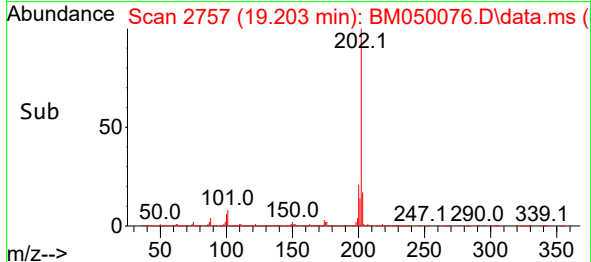
Instrument :
BNA_M
ClientSampleId :
MH-G



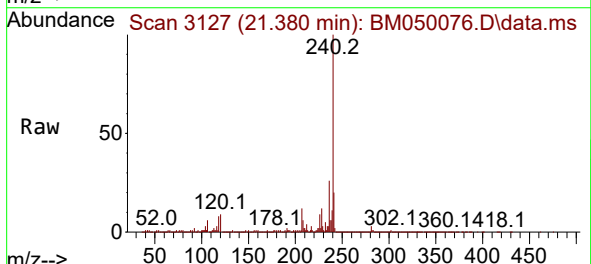
Tgt Ion:202 Resp: 102560
Ion Ratio Lower Upper
202 100
101 8.1 0.0 28.0
203 17.5 0.0 37.7

Manual Integrations
APPROVED

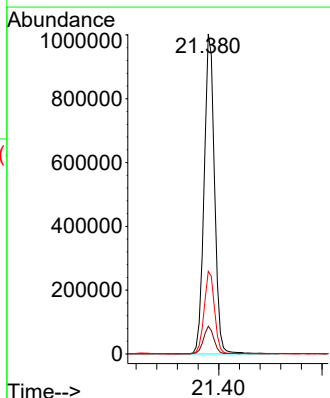
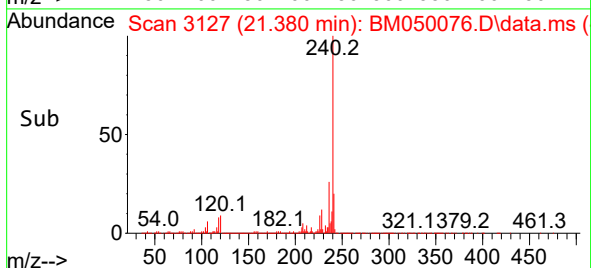
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

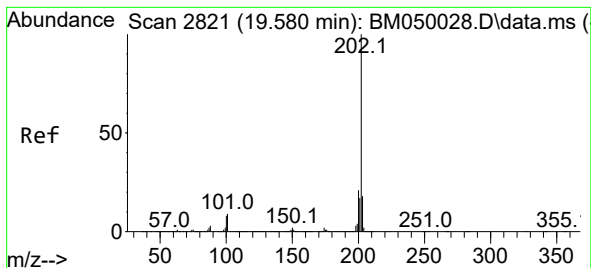


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.017 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36



Tgt Ion:240 Resp: 1398009
Ion Ratio Lower Upper
240 100
120 8.6 6.5 9.7
236 25.9 20.9 31.3





#78

Pyrene

Concen: 9.705 ng

RT: 19.562 min Scan# 2818

Delta R.T. -0.018 min

Lab File: BM050076.D

Acq: 01 May 2025 22:36

Instrument :

BNA_M

ClientSampleId :

MH-G

Tgt Ion:202 Resp: 95275

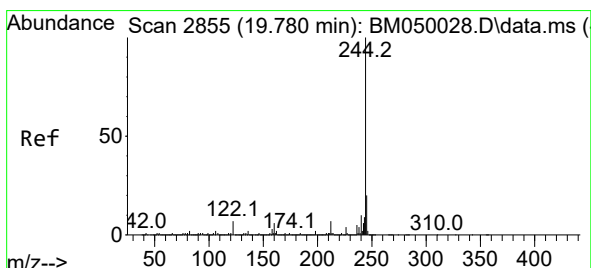
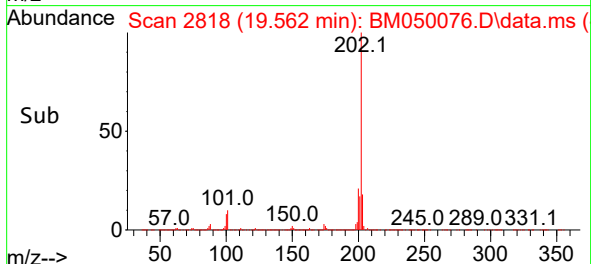
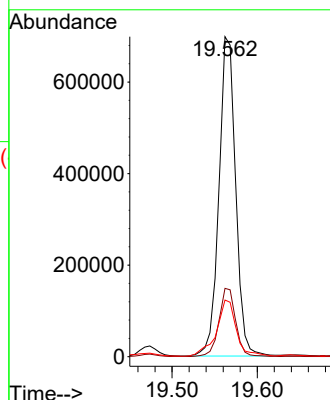
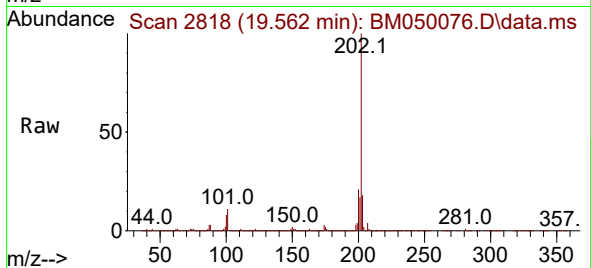
Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.7	25.1
203	17.7	14.1	21.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025



#79

Terphenyl-d14

Concen: 7.498 ng

RT: 19.768 min Scan# 2853

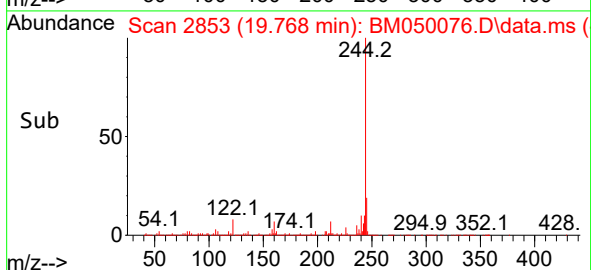
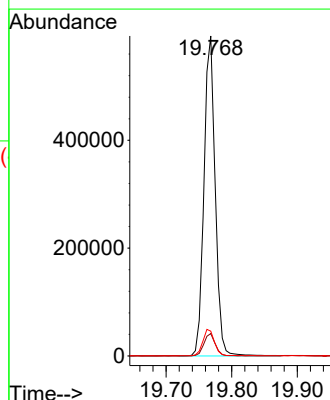
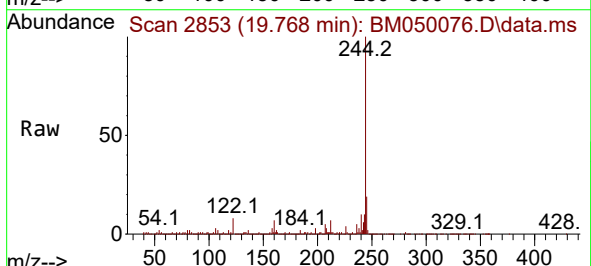
Delta R.T. -0.012 min

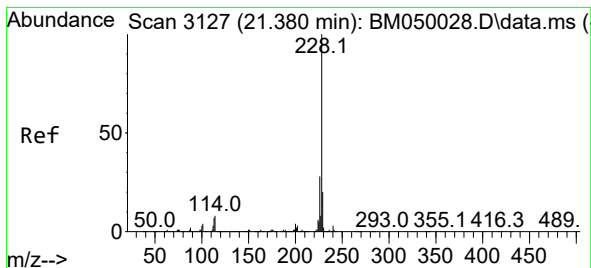
Lab File: BM050076.D

Acq: 01 May 2025 22:36

Tgt Ion:244 Resp: 708428

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	7.8	5.6	8.4





#81

Benzo(a)anthracene

Concen: 6.213 ng

RT: 21.362 min Scan# 3124

Delta R.T. -0.018 min

Lab File: BM050076.D

Acq: 01 May 2025 22:36

Instrument :

BNA_M

ClientSampleId :

MH-G

Tgt Ion:228 Resp: 598160

Ion Ratio Lower Upper

228 100

226 29.3 22.1 33.1

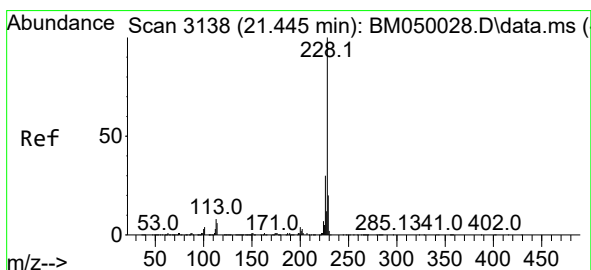
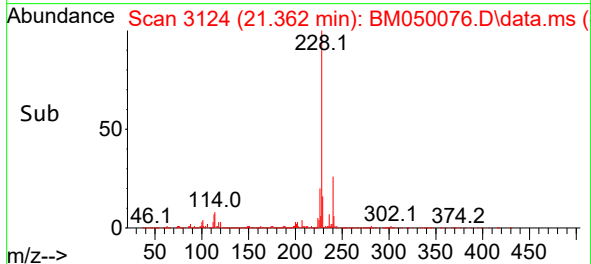
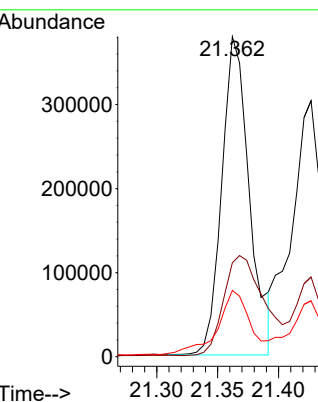
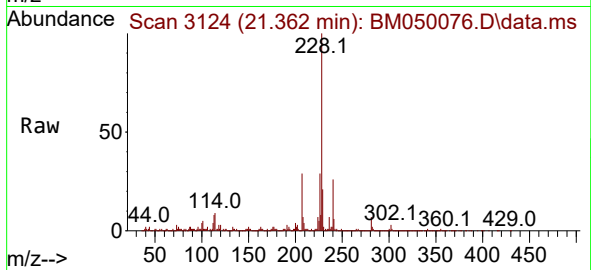
229 20.7 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025



#83

Chrysene

Concen: 5.909 ng

RT: 21.427 min Scan# 3135

Delta R.T. -0.018 min

Lab File: BM050076.D

Acq: 01 May 2025 22:36

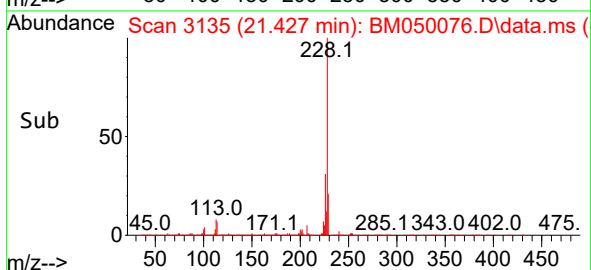
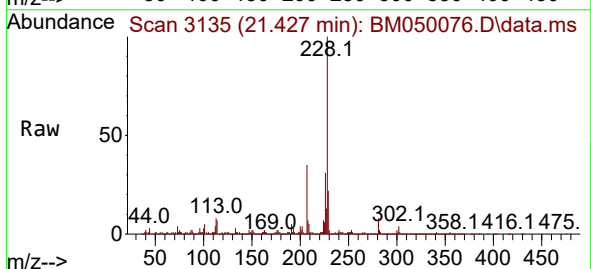
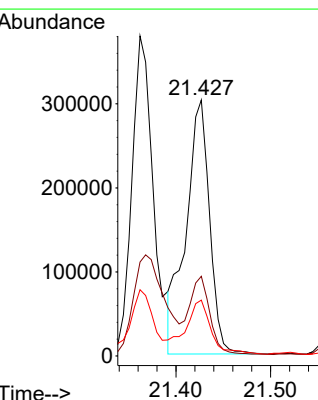
Tgt Ion:228 Resp: 526465

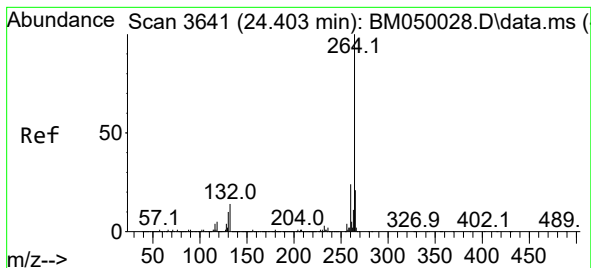
Ion Ratio Lower Upper

228 100

226 31.1 24.2 36.2

229 21.8 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.374 min Scan# 3

Delta R.T. -0.030 min

Lab File: BM050076.D

Acq: 01 May 2025 22:36

Instrument :

BNA_M

ClientSampleId :

MH-G

Tgt Ion:264 Resp: 141456

Ion Ratio Lower Upper

264 100

260 24.2 18.8 28.2

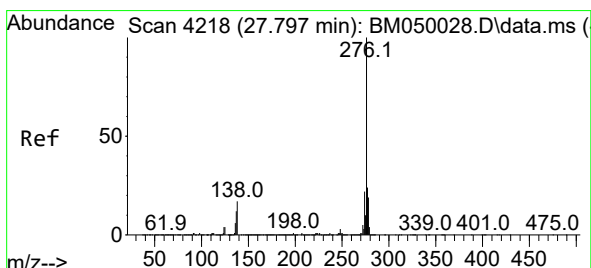
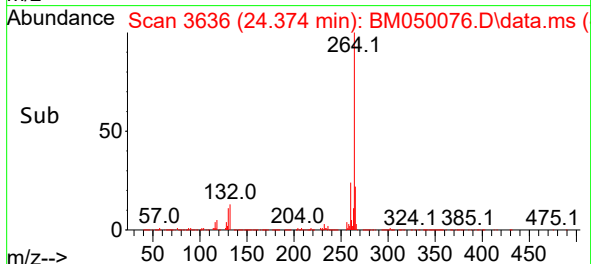
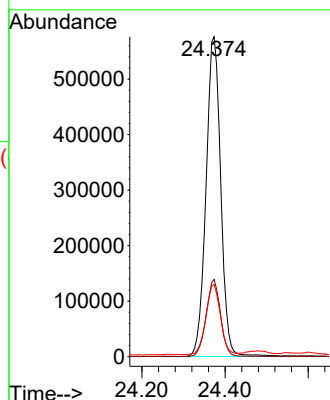
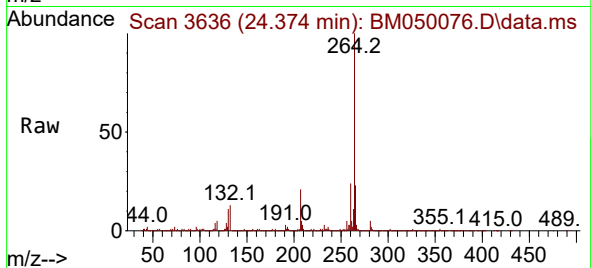
265 22.5 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.825 ng

RT: 27.744 min Scan# 4209

Delta R.T. -0.053 min

Lab File: BM050076.D

Acq: 01 May 2025 22:36

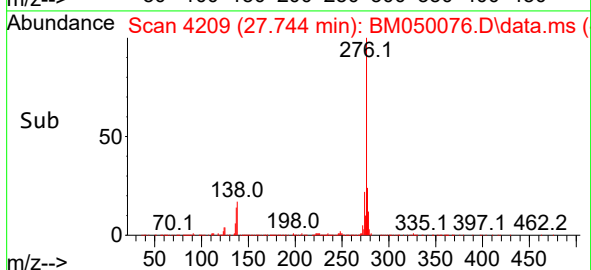
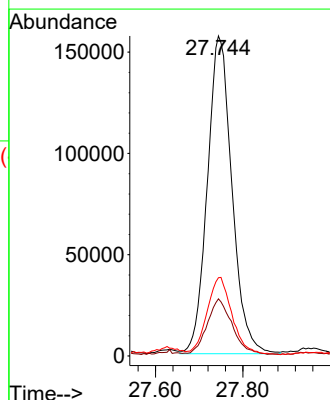
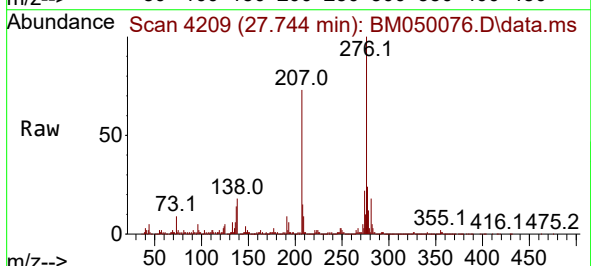
Tgt Ion:276 Resp: 613985

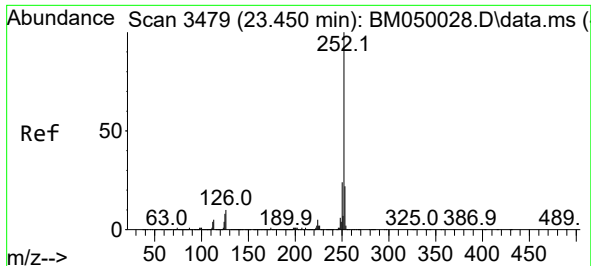
Ion Ratio Lower Upper

276 100

138 17.4 16.4 24.6

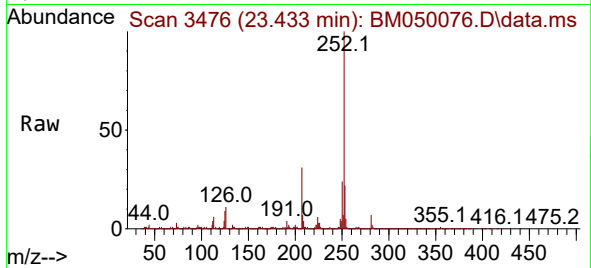
277 24.9 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 12.293 ng
RT: 23.433 min Scan# 3479
Delta R.T. -0.018 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36

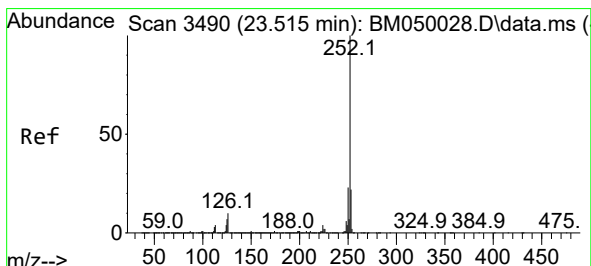
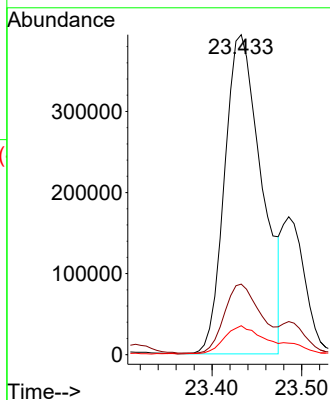
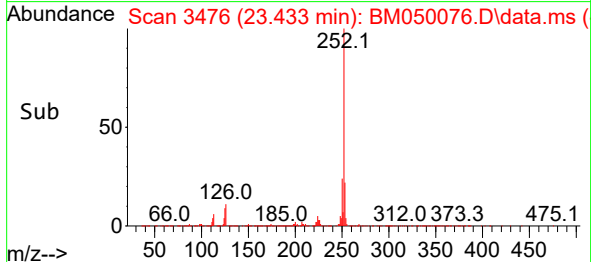
Instrument :
BNA_M
ClientSampleId :
MH-G



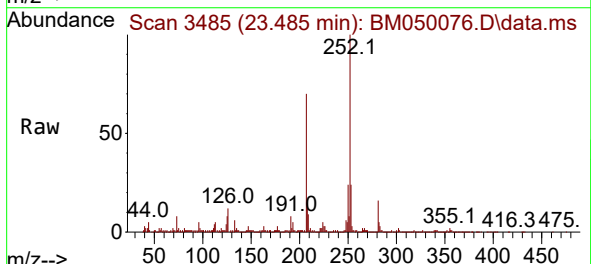
Tgt Ion:252 Resp: 1130915
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 9.0 6.1 9.1

Manual Integrations
APPROVED

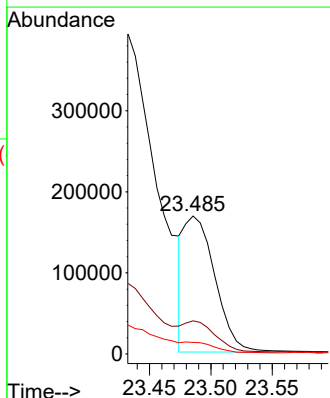
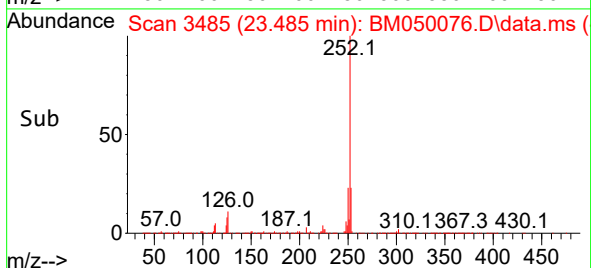
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

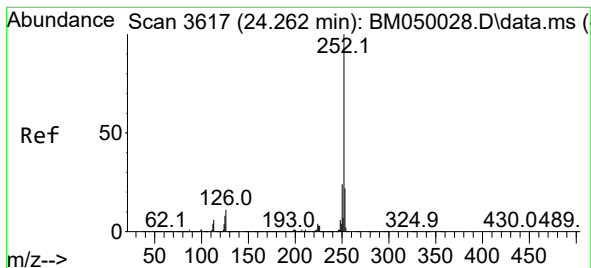


#89
Benzo(k)fluoranthene
Concen: 3.159 ng m
RT: 23.485 min Scan# 3485
Delta R.T. -0.030 min
Lab File: BM050076.D
Acq: 01 May 2025 22:36



Tgt Ion:252 Resp: 293977
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.2
125 8.4 5.8 8.8





#90

Benzo(a)pyrene

Concen: 9.240 ng

RT: 24.232 min Scan# 30

Delta R.T. -0.030 min

Lab File: BM050076.D

Acq: 01 May 2025 22:36

Instrument :

BNA_M

ClientSampleId :

MH-G

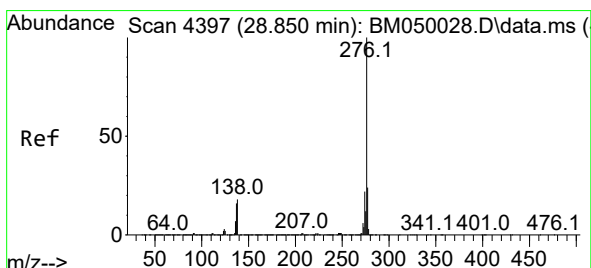
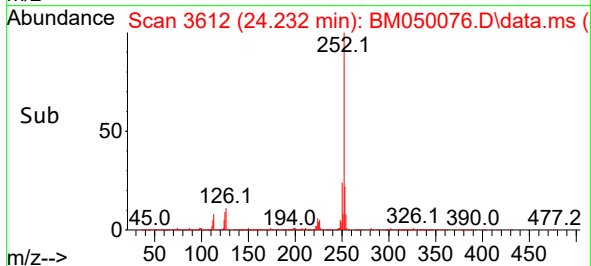
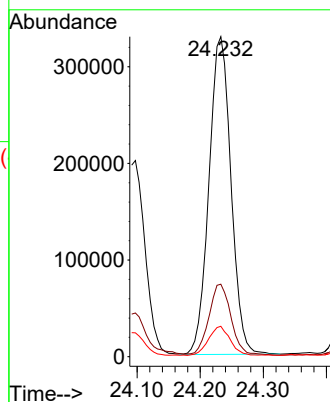
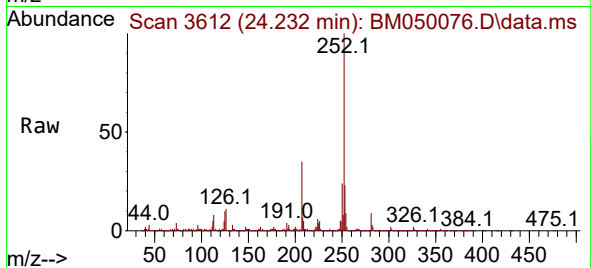
Tgt Ion:252 Resp: 796098
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.4 26.0
 125 9.5 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025



#92

Benzo(g,h,i)perylene

Concen: 7.210 ng

RT: 28.791 min Scan# 4387

Delta R.T. -0.059 min

Lab File: BM050076.D

Acq: 01 May 2025 22:36

Tgt Ion:276 Resp: 593080
 Ion Ratio Lower Upper
 276 100
 277 24.1 19.1 28.7
 138 17.3 14.3 21.5

