

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
 Data File : BM050072.D
 Acq On : 01 May 2025 20:00
 Operator : RC/JU
 Sample : Q1914-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-4

Manual Integrations
 APPROVED

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

Quant Time: May 02 01:12:18 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	7.745	152	266849	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	987063	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	682416	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1413674	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1410216	20.000	ng	-0.02
86) Perylene-d12	24.368	264	1421527	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1083091	71.073	ng	-0.02
7) Phenol-d6	6.934	99	1431584	74.742	ng	-0.02
23) Nitrobenzene-d5	8.904	82	834787	41.674	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	719122	71.268	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2208129	38.278	ng	-0.02
79) Terphenyl-d14	19.768	244	3399375	35.670	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.186	178	614421	7.706	ng	100
75) Fluoranthene	19.203	202	1542165	16.474	ng	99
78) Pyrene	19.562	202	1336131	13.492	ng	100
81) Benzo(a)anthracene	21.362	228	806143	8.301	ng	98
83) Chrysene	21.427	228	729730	8.119	ng	98
87) Indeno(1,2,3-cd)pyrene	27.744	276	528099	4.986	ng	97
88) Benzo(b)fluoranthene	23.433	252	1089016	11.780	ng	97
89) Benzo(k)fluoranthene	23.486	252	326794m	3.495	ng	
90) Benzo(a)pyrene	24.227	252	738125	8.525	ng	98
92) Benzo(g,h,i)perylene	28.803	276	530889	6.422	ng	99

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

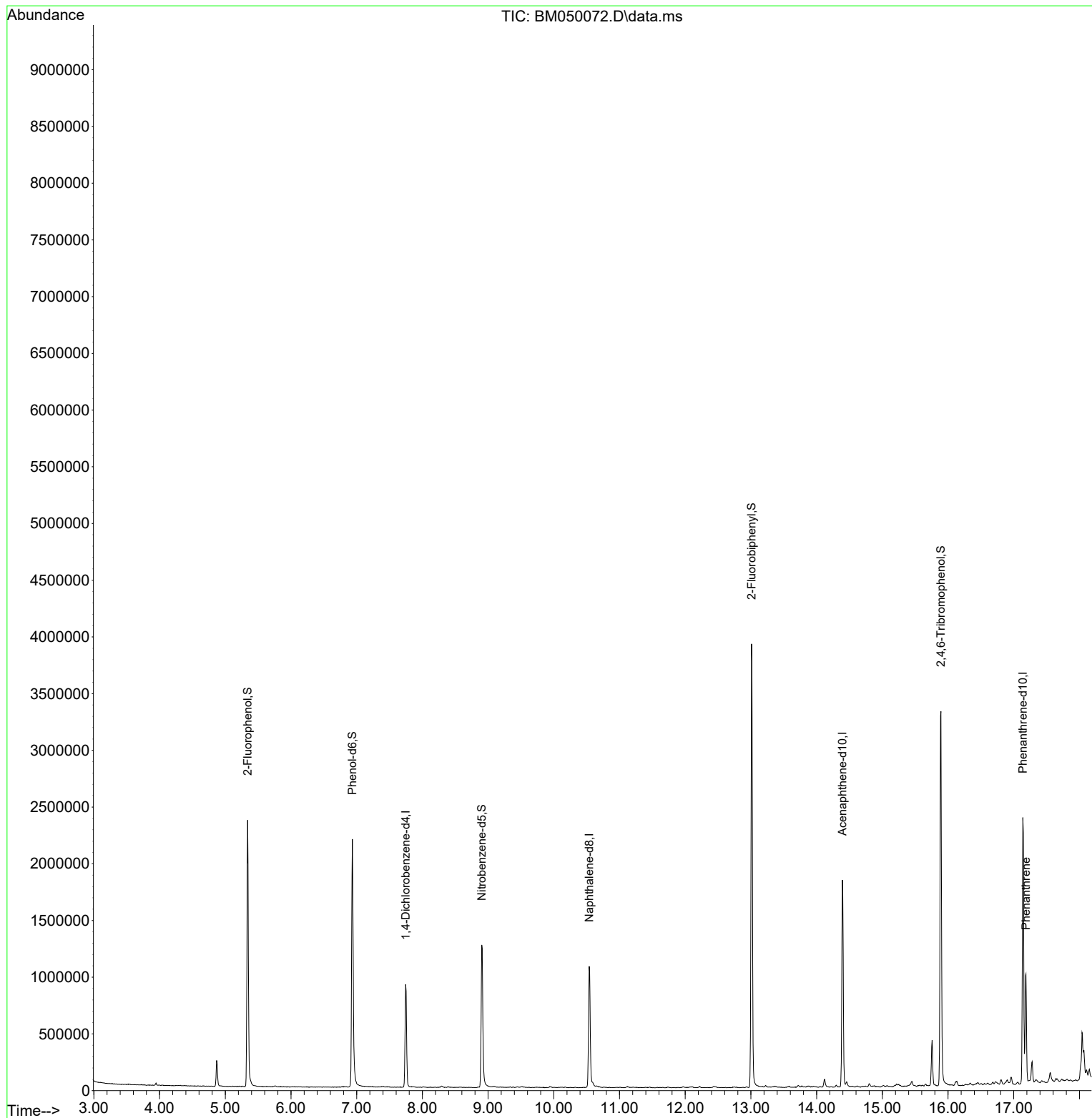
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050072.D
Acq On : 01 May 2025 20:00
Operator : RC/JU
Sample : Q1914-05
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
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SS-4

Quant Time: May 02 01:12:18 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

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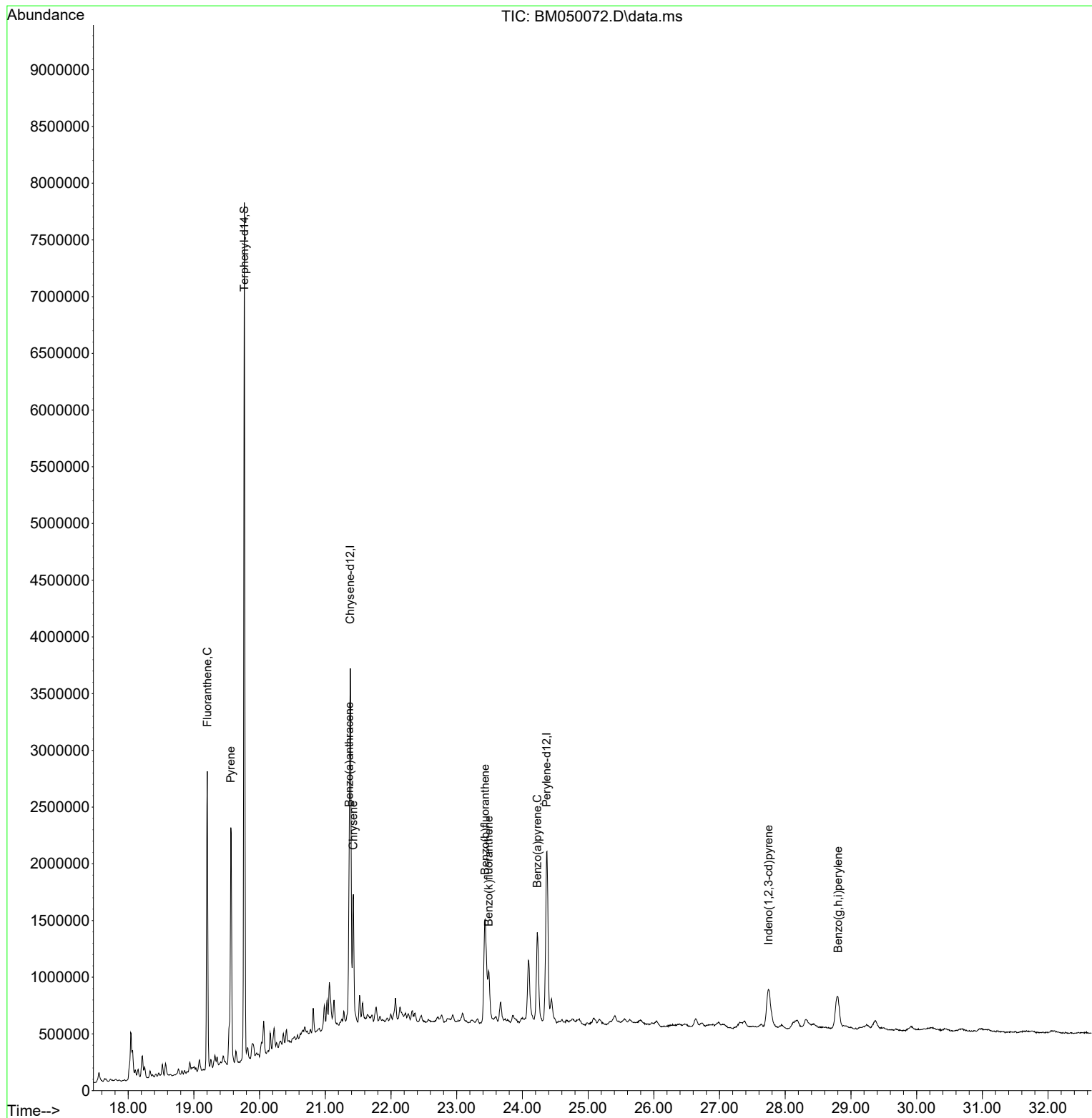
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Data File : BM050072.D
Acq On : 01 May 2025 20:00
Operator : RC/JU
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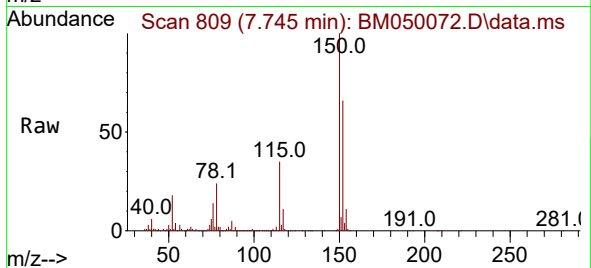
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

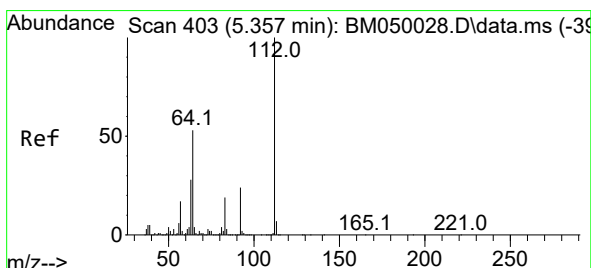
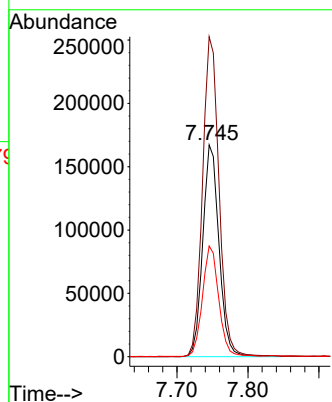
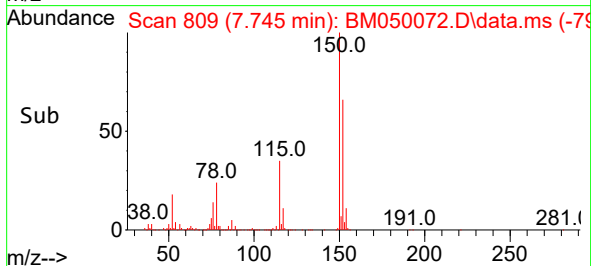
Instrument :
BNA_M
ClientSampleId :
SS-4



Tgt Ion:152 Resp: 266849
Ion Ratio Lower Upper
152 100
150 151.1 124.1 186.1
115 52.3 41.2 61.8

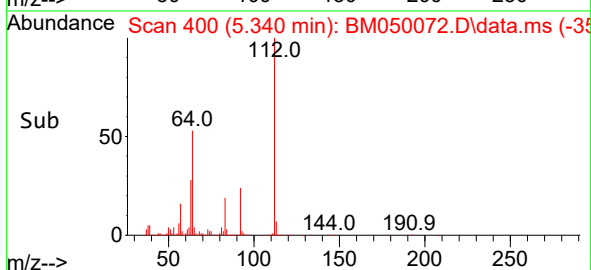
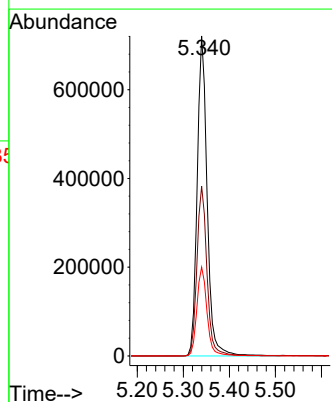
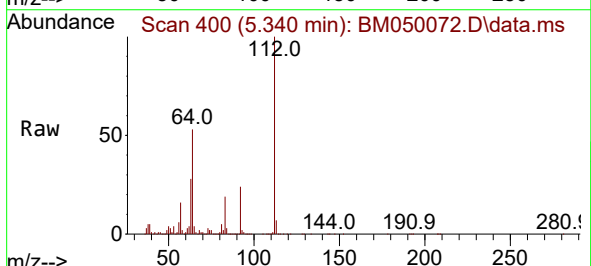
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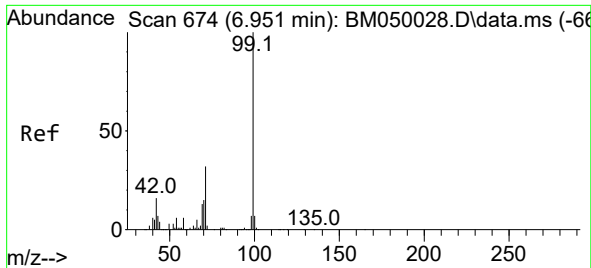
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#5
2-Fluorophenol
Concen: 71.073 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

Tgt Ion:112 Resp: 1083091
Ion Ratio Lower Upper
112 100
64 53.0 42.6 64.0
63 27.7 22.2 33.4





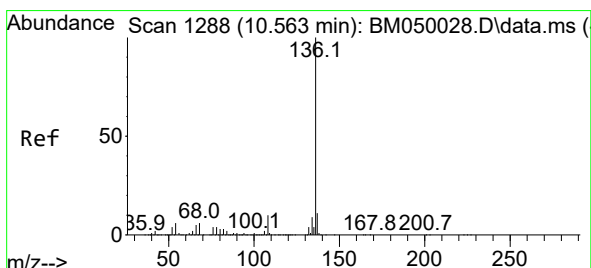
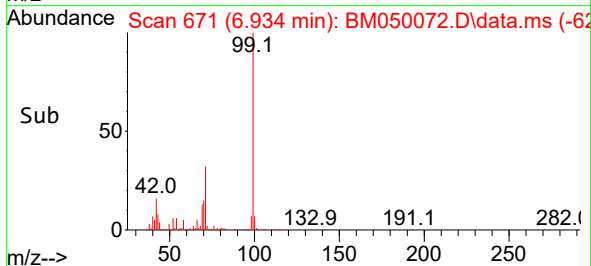
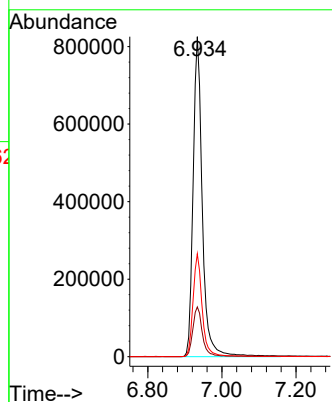
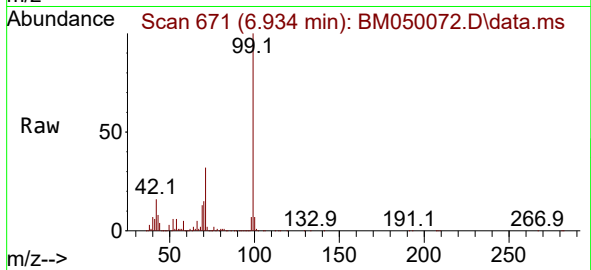
#7
Phenol-d6
Concen: 74.742 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

Instrument :
BNA_M
ClientSampleId :
SS-4

Tgt Ion: 99 Resp: 1431584
Ion Ratio Lower Upper
99 100
42 15.6 13.0 19.4
71 32.1 25.6 38.4

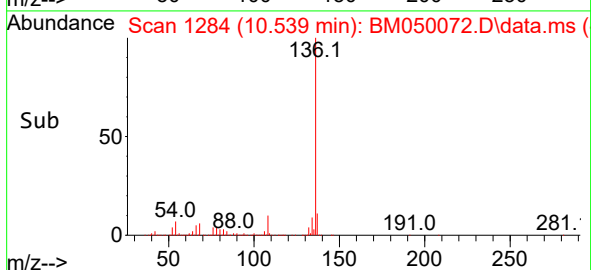
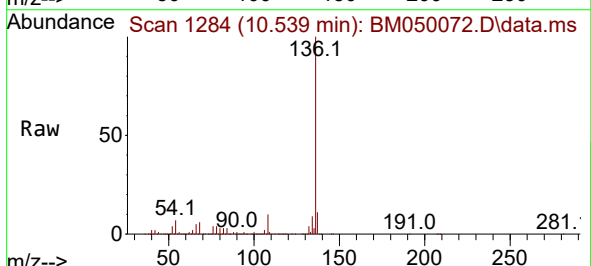
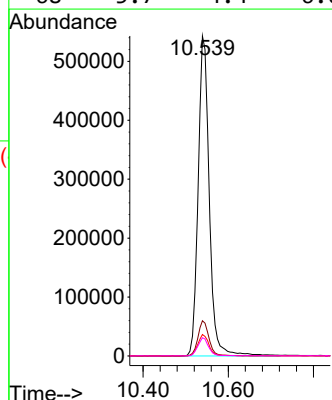
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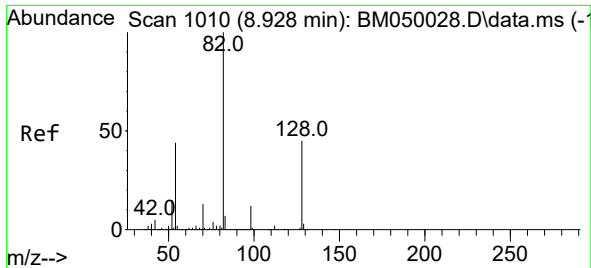
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

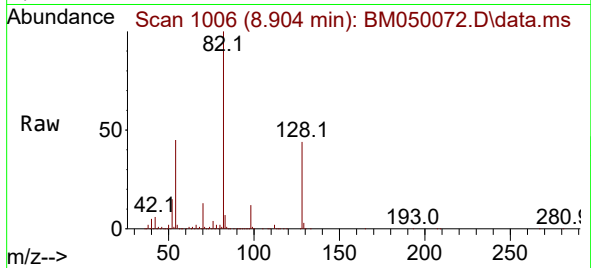
Tgt Ion:136 Resp: 987063
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.7 5.1 7.7
68 5.7 4.4 6.6





#23
Nitrobenzene-d5
Concen: 41.674 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.024 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

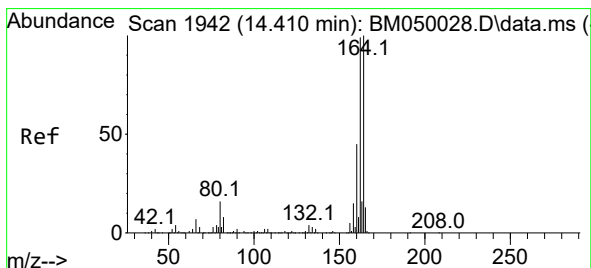
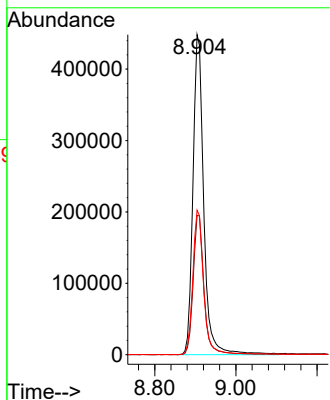
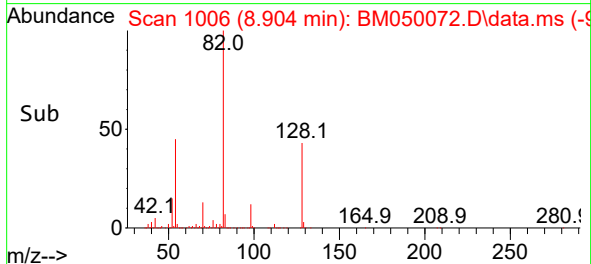
Instrument :
BNA_M
ClientSampleId :
SS-4



Tgt Ion: 82 Resp: 83478
Ion Ratio Lower Upper
82 100
128 43.5 35.7 53.5
54 45.1 35.4 53.2

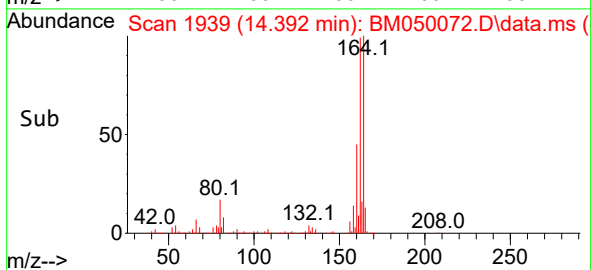
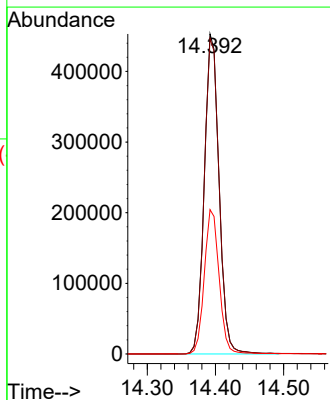
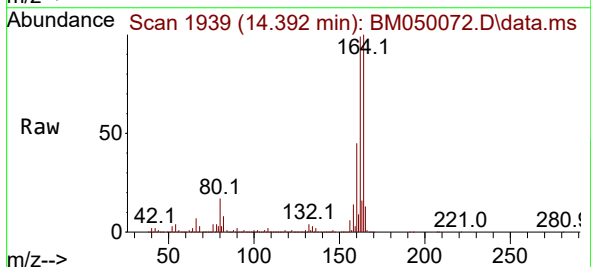
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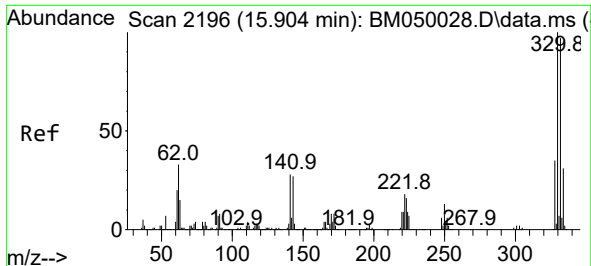
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

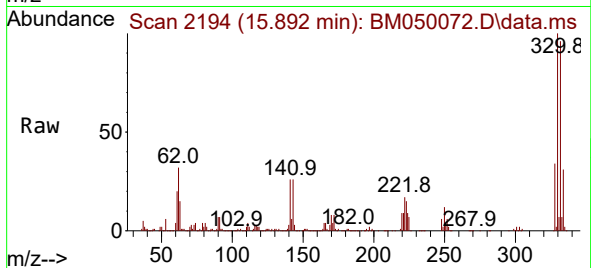
Tgt Ion:164 Resp: 682416
Ion Ratio Lower Upper
164 100
162 98.5 79.4 119.0
160 45.1 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 71.268 ng
RT: 15.892 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

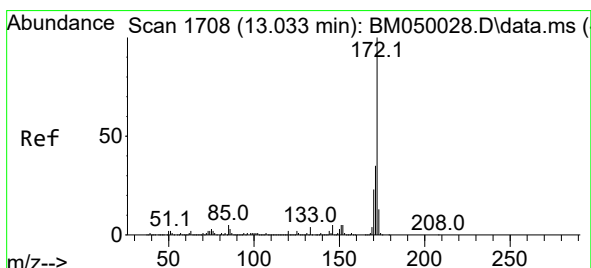
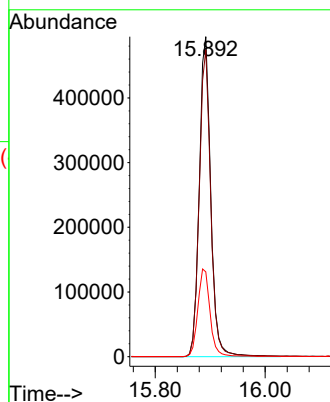
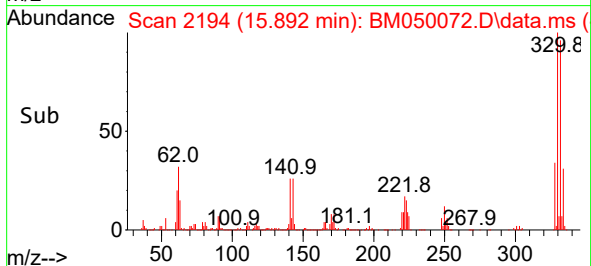
Instrument :
BNA_M
ClientSampleId :
SS-4



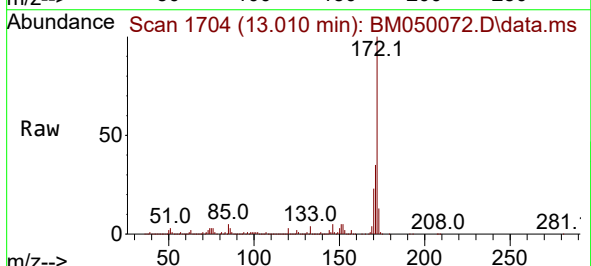
Tgt Ion:330 Resp: 71912
Ion Ratio Lower Upper
330 100
332 95.6 77.3 115.9
141 29.0 22.5 33.7

Manual Integrations
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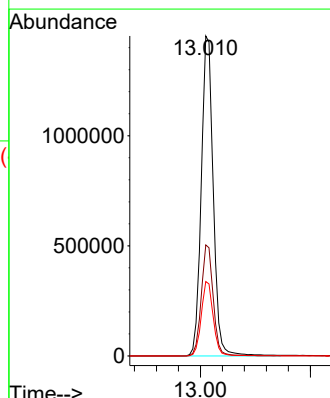
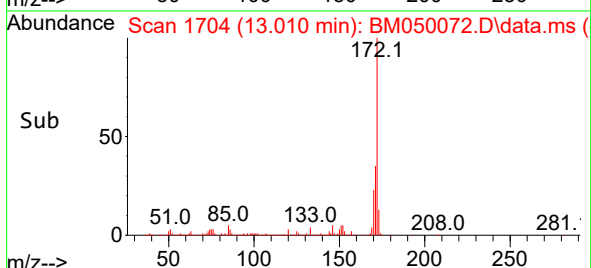
Reviewed By :Rahul Chavli 05/02/2025
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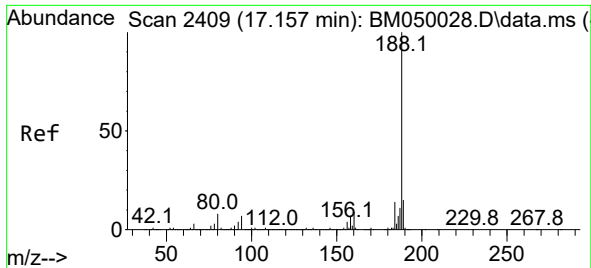


#45
2-Fluorobiphenyl
Concen: 38.278 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00



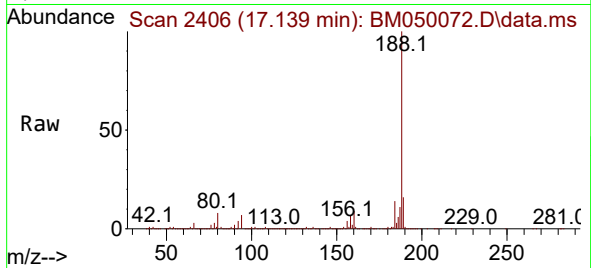
Tgt Ion:172 Resp: 2208129
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 23.2 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

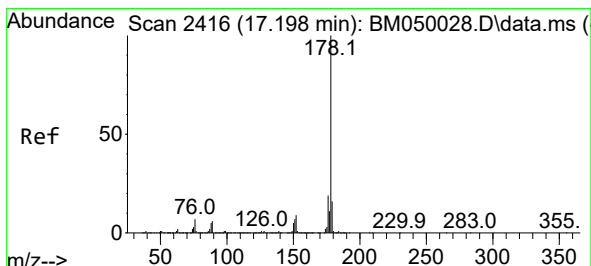
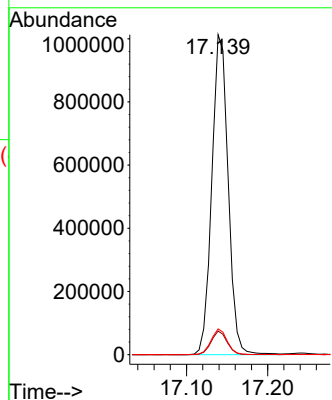
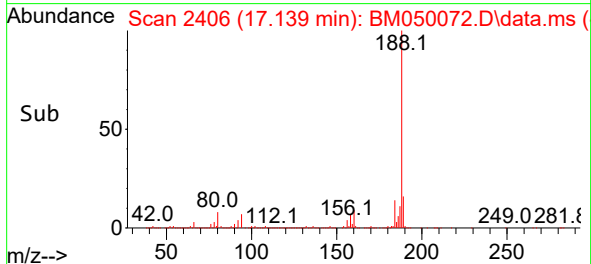
Instrument :
BNA_M
ClientSampleId :
SS-4



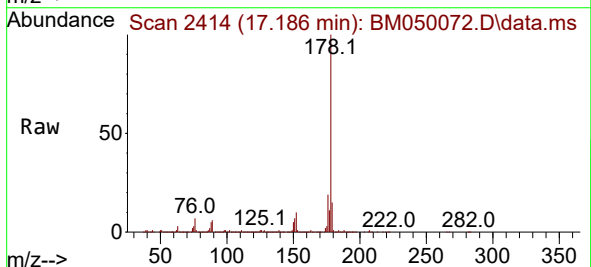
Tgt Ion:188 Resp: 1413674
Ion Ratio Lower Upper
188 100
94 7.4 5.7 8.5
80 8.1 6.2 9.4

Manual Integrations
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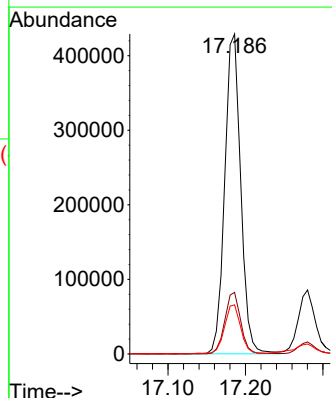
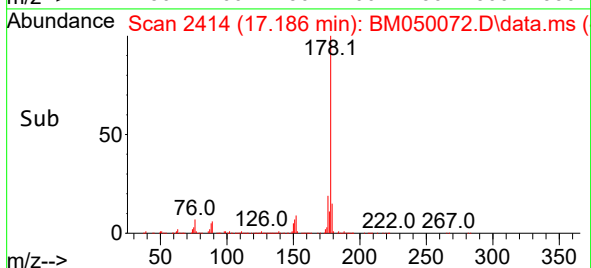
Reviewed By :Rahul Chavli 05/02/2025
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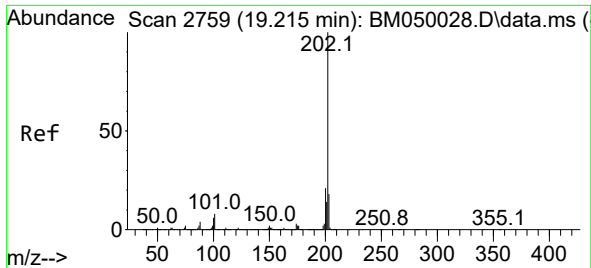


#71
Phenanthrene
Concen: 7.706 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.012 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00



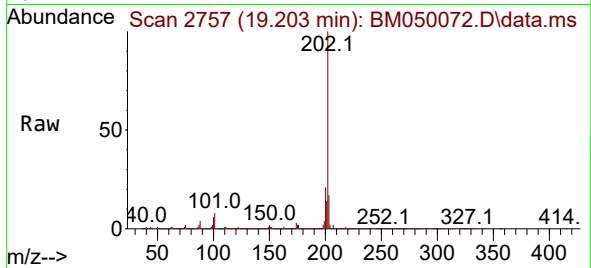
Tgt Ion:178 Resp: 614421
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.4 12.4 18.6





#75
Fluoranthene
Concen: 16.474 ng
RT: 19.203 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

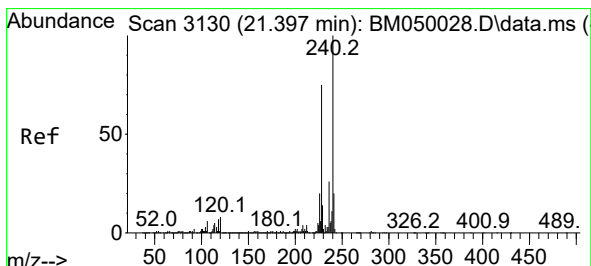
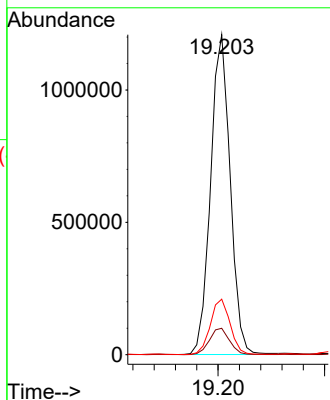
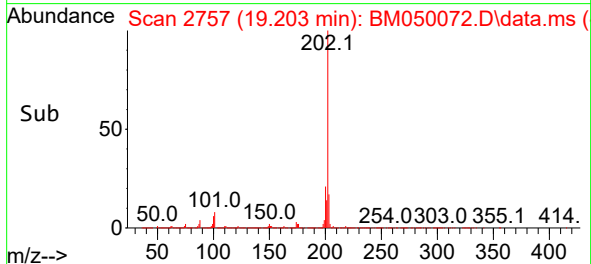
Instrument :
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SS-4



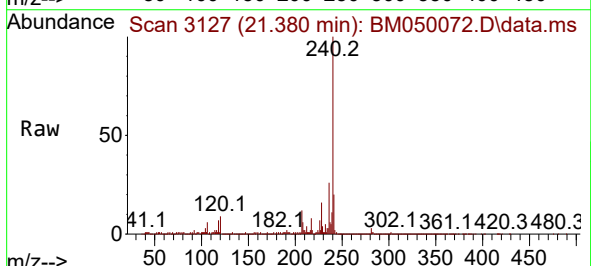
Tgt Ion:202 Resp: 154216
Ion Ratio Lower Upper
202 100
101 8.2 0.0 28.0
203 17.3 0.0 37.7

Manual Integrations
APPROVED

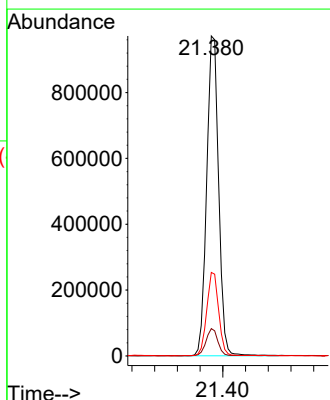
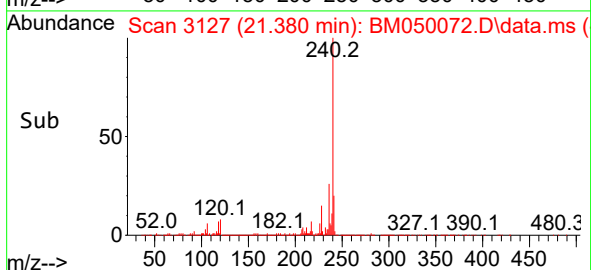
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

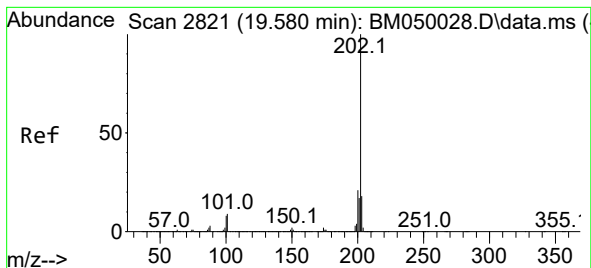


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.017 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00



Tgt Ion:240 Resp: 1410216
Ion Ratio Lower Upper
240 100
120 8.5 6.5 9.7
236 26.1 20.9 31.3





#78

Pyrene

Concen: 13.492 ng

RT: 19.562 min Scan# 2818

Delta R.T. -0.018 min

Lab File: BM050072.D

Acq: 01 May 2025 20:00

Instrument :

BNA_M

ClientSampleId :

SS-4

Tgt Ion:202 Resp: 133613

Ion Ratio Lower Upper

202 100

200 21.2 16.7 25.1

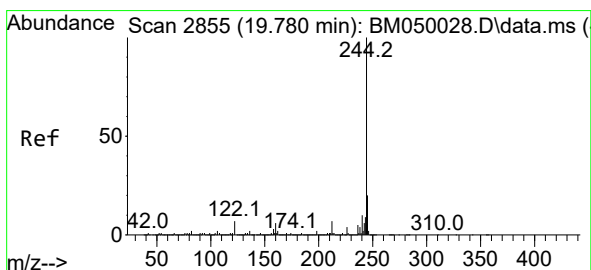
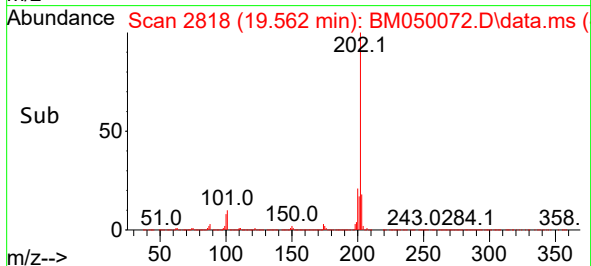
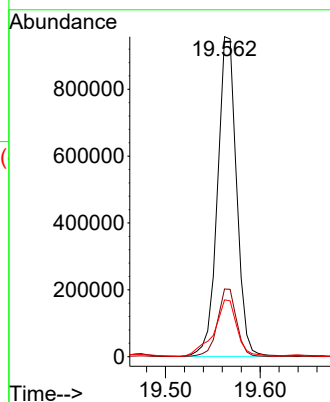
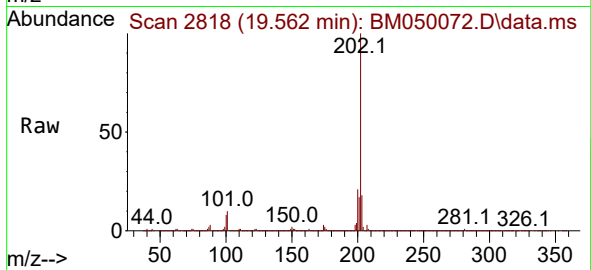
203 17.7 14.1 21.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/02/2025



#79

Terphenyl-d14

Concen: 35.670 ng

RT: 19.768 min Scan# 2853

Delta R.T. -0.012 min

Lab File: BM050072.D

Acq: 01 May 2025 20:00

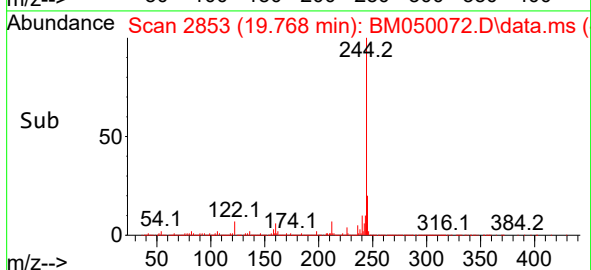
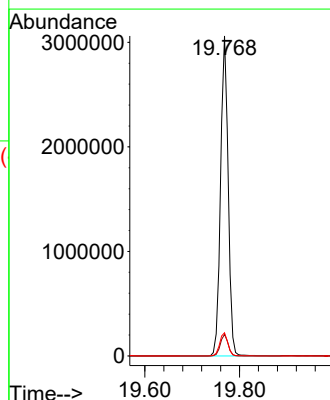
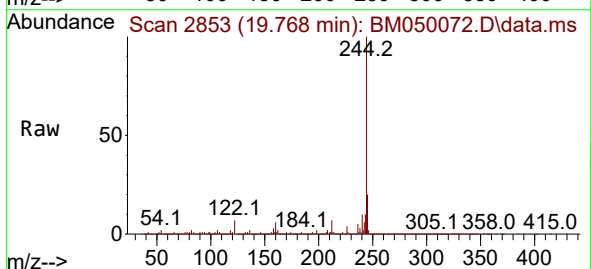
Tgt Ion:244 Resp: 3399375

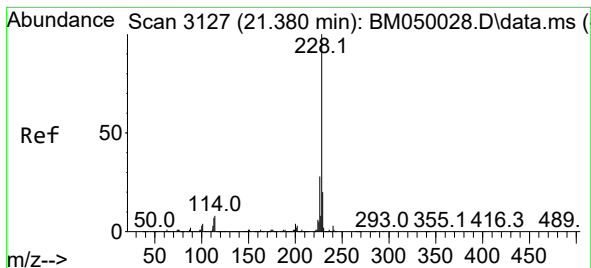
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 7.2 5.6 8.4





#81

Benzo(a)anthracene

Concen: 8.301 ng

RT: 21.362 min Scan# 3124

Delta R.T. -0.018 min

Lab File: BM050072.D

Acq: 01 May 2025 20:00

Instrument :

BNA_M

ClientSampleId :

SS-4

Tgt Ion:228 Resp: 80614

Ion Ratio Lower Upper

228 100

226 28.1 22.1 33.1

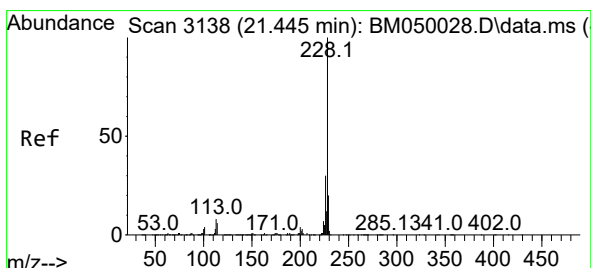
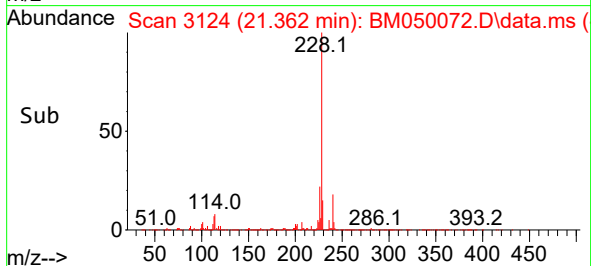
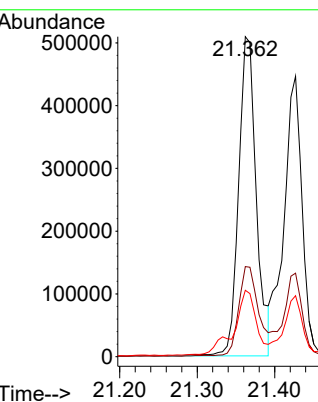
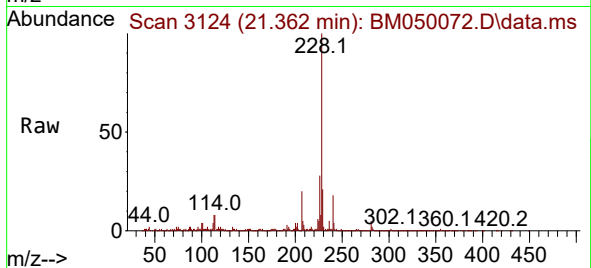
229 20.8 15.7 23.5

Manual Integrations

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Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025



#83

Chrysene

Concen: 8.119 ng

RT: 21.427 min Scan# 3135

Delta R.T. -0.018 min

Lab File: BM050072.D

Acq: 01 May 2025 20:00

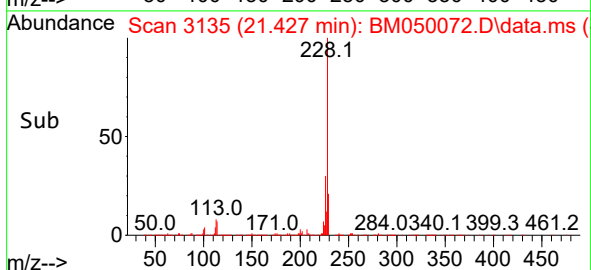
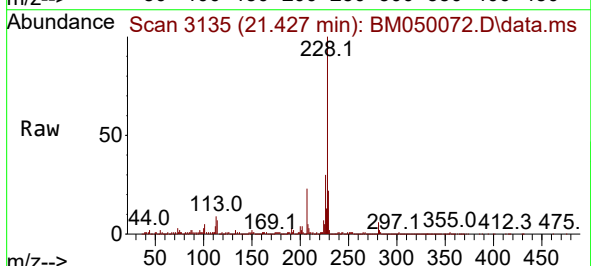
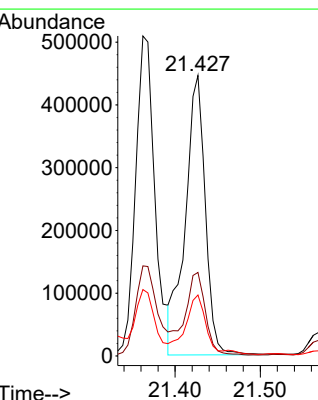
Tgt Ion:228 Resp: 729730

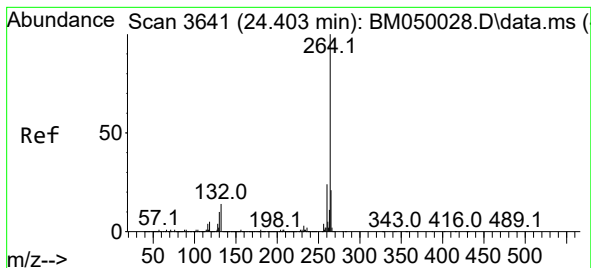
Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.2

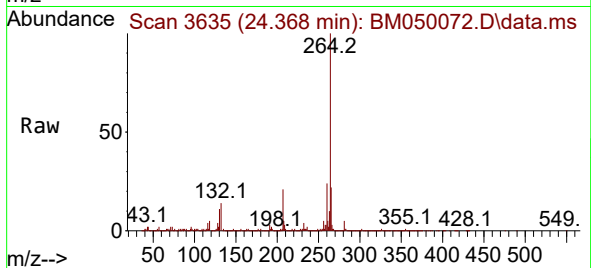
229 21.7 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.368 min Scan# 30
Delta R.T. -0.035 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

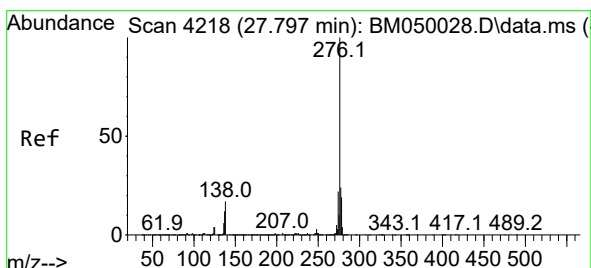
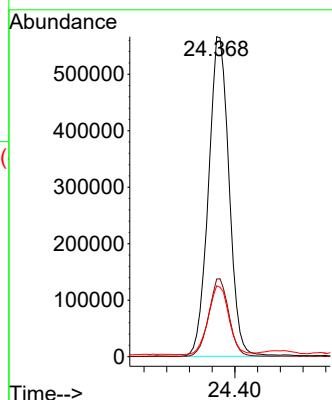
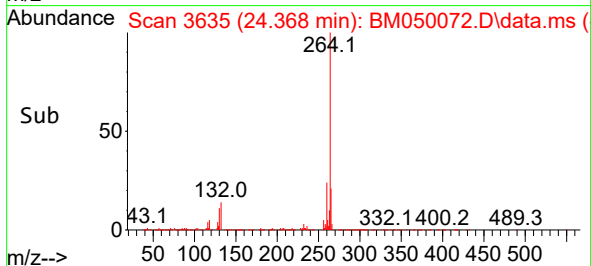
Instrument :
BNA_M
ClientSampleId :
SS-4



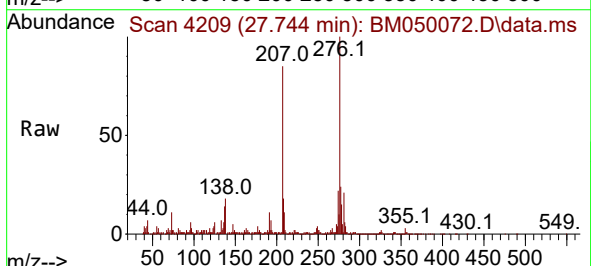
Tgt Ion:264 Resp: 142152
Ion Ratio Lower Upper
264 100
260 24.2 18.8 28.2
265 22.2 17.0 25.4

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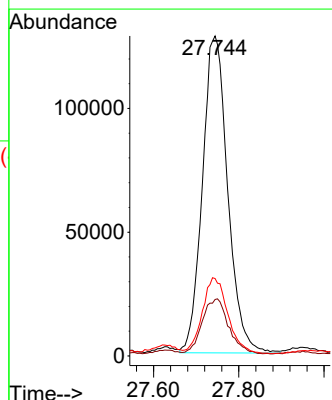
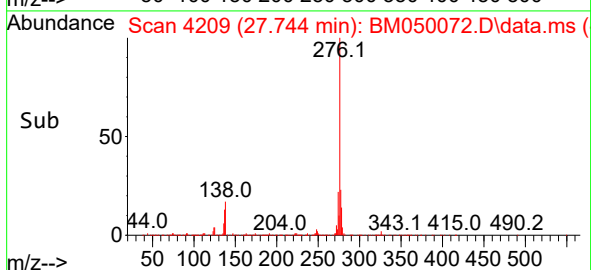
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

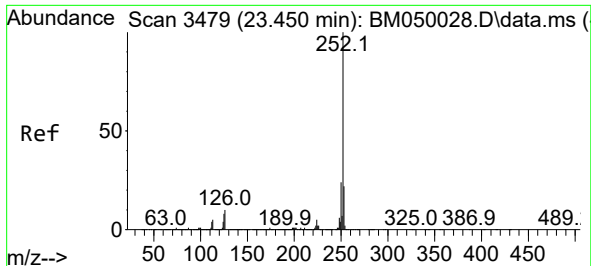


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.986 ng
RT: 27.744 min Scan# 4209
Delta R.T. -0.053 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00



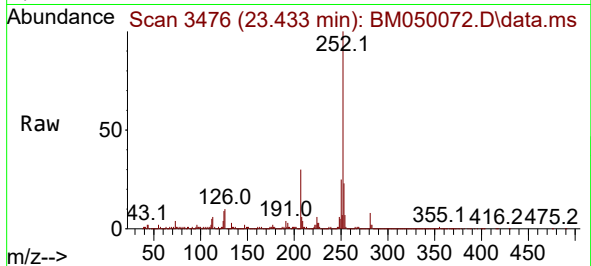
Tgt Ion:276 Resp: 528099
Ion Ratio Lower Upper
276 100
138 18.1 16.4 24.6
277 24.0 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 11.780 ng
RT: 23.433 min Scan# 3479
Delta R.T. -0.018 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

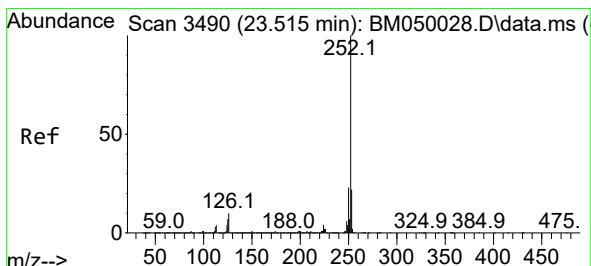
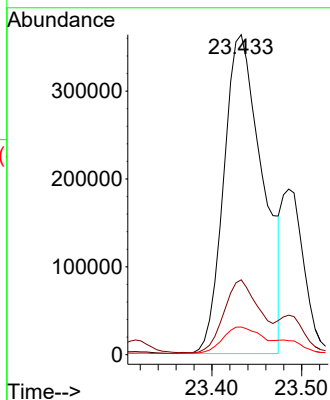
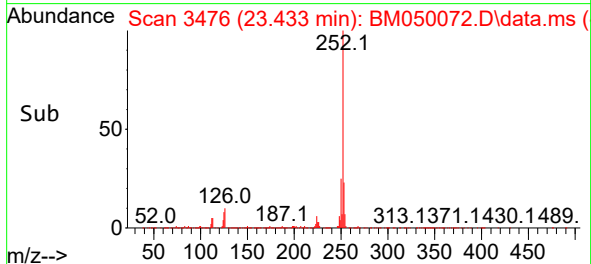
Instrument :
BNA_M
ClientSampleId :
SS-4



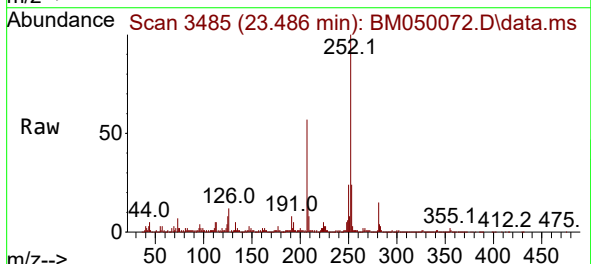
Tgt Ion:252 Resp: 1089010
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 8.6 6.1 9.1

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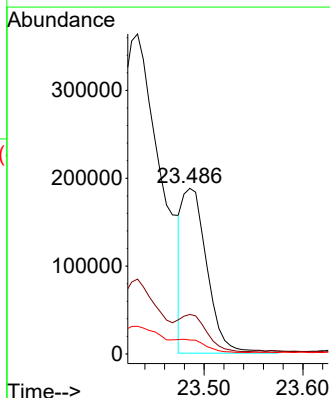
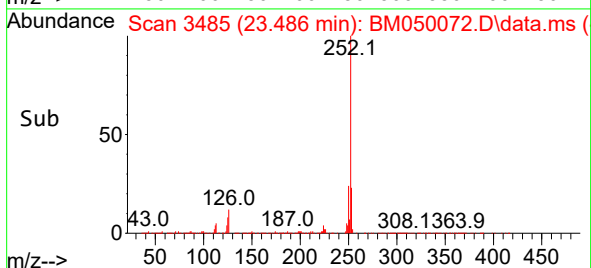
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

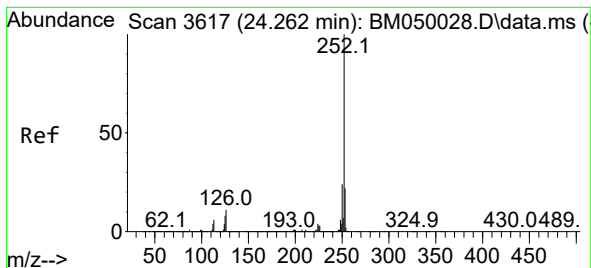


#89
Benzo(k)fluoranthene
Concen: 3.495 ng m
RT: 23.486 min Scan# 3485
Delta R.T. -0.029 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00



Tgt Ion:252 Resp: 326794
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.2
125 8.4 5.8 8.8





#90

Benzo(a)pyrene

Concen: 8.525 ng

RT: 24.227 min Scan# 30

Delta R.T. -0.035 min

Lab File: BM050072.D

Acq: 01 May 2025 20:00

Instrument :

BNA_M

ClientSampleId :

SS-4

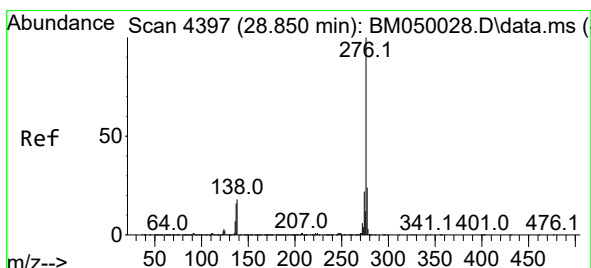
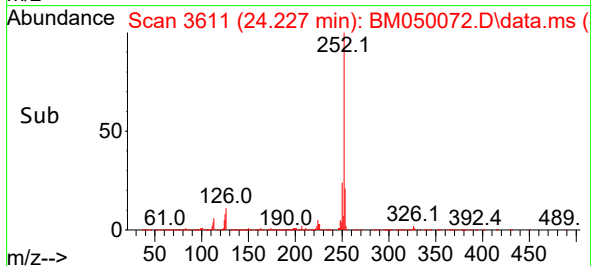
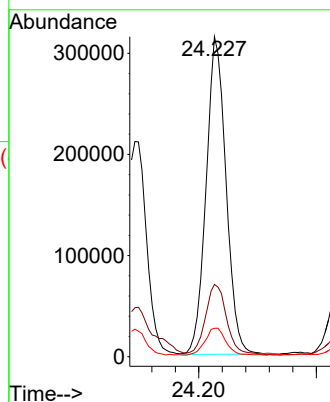
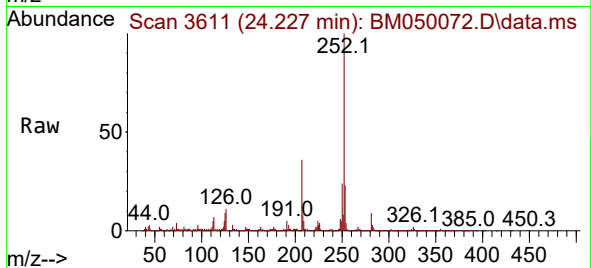
Tgt Ion:252 Resp: 738125
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.4 26.0
 125 8.9 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025



#92

Benzo(g,h,i)perylene

Concen: 6.422 ng

RT: 28.803 min Scan# 4389

Delta R.T. -0.047 min

Lab File: BM050072.D

Acq: 01 May 2025 20:00

Tgt Ion:276 Resp: 530889
 Ion Ratio Lower Upper
 276 100
 277 23.6 19.1 28.7
 138 17.5 14.3 21.5

