

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050089.D
 Acq On : 02 May 2025 17:17
 Operator : RC/JU
 Sample : Q1914-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-7

Manual Integrations
 APPROVED

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

Quant Time: May 02 23:57:31 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	450043	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	1023590	20.000	ng	# 0.00
39) Acenaphthene-d10	14.410	164	947352	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1897249	20.000	ng	0.00
76) Chrysene-d12	21.386	240	1412128	20.000	ng	-0.01
86) Perylene-d12	24.380	264	1490251	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1832982	71.320	ng	-0.02
7) Phenol-d6	6.934	99	2199022	68.075	ng	-0.02
23) Nitrobenzene-d5	8.910	82	1501937	72.304	ng	-0.02
42) 2,4,6-Tribromophenol	15.904	330	1125353	80.337	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	3221533	40.228	ng	0.00
79) Terphenyl-d14	19.780	244	4245502	44.488	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.598	128	1285753	24.804	ng	# 85
37) 2-Methylnaphthalene	12.228	142	2715680	78.140	ng	98
38) 1-Methylnaphthalene	12.439	142	1672580m	45.476	ng	
46) 1,1'-Biphenyl	13.233	154	570929	8.107	ng	99
71) Phenanthrene	17.198	178	2127512	19.882	ng	# 96
75) Fluoranthene	19.215	202	2866451	22.816	ng	98
78) Pyrene	19.580	202	2754411	27.776	ng	99
81) Benzo(a)anthracene	21.368	228	993968	10.221	ng	98
83) Chrysene	21.427	228	1120290	12.448	ng	98
84) Bis(2-ethylhexyl)phtha...	21.286	149	180711	3.257	ng	# 95
87) Indeno(1,2,3-cd)pyrene	27.756	276	704410	6.344	ng	96
88) Benzo(b)fluoranthene	23.433	252	1399614	14.442	ng	98
89) Benzo(k)fluoranthene	23.492	252	489824m	4.997	ng	
90) Benzo(a)pyrene	24.239	252	958358	10.558	ng	98
92) Benzo(g,h,i)perylene	28.803	276	682505	7.876	ng	99

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

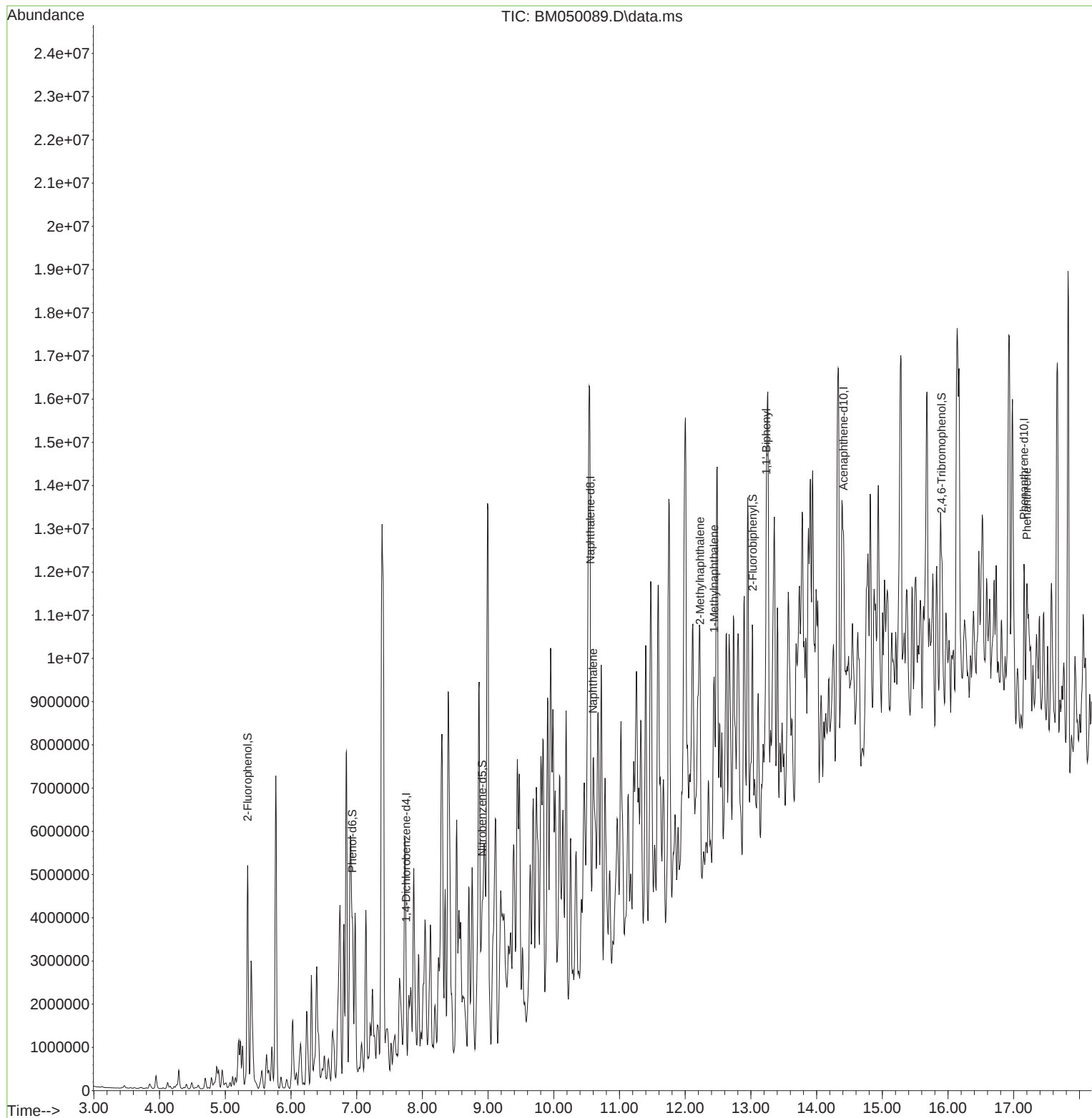
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
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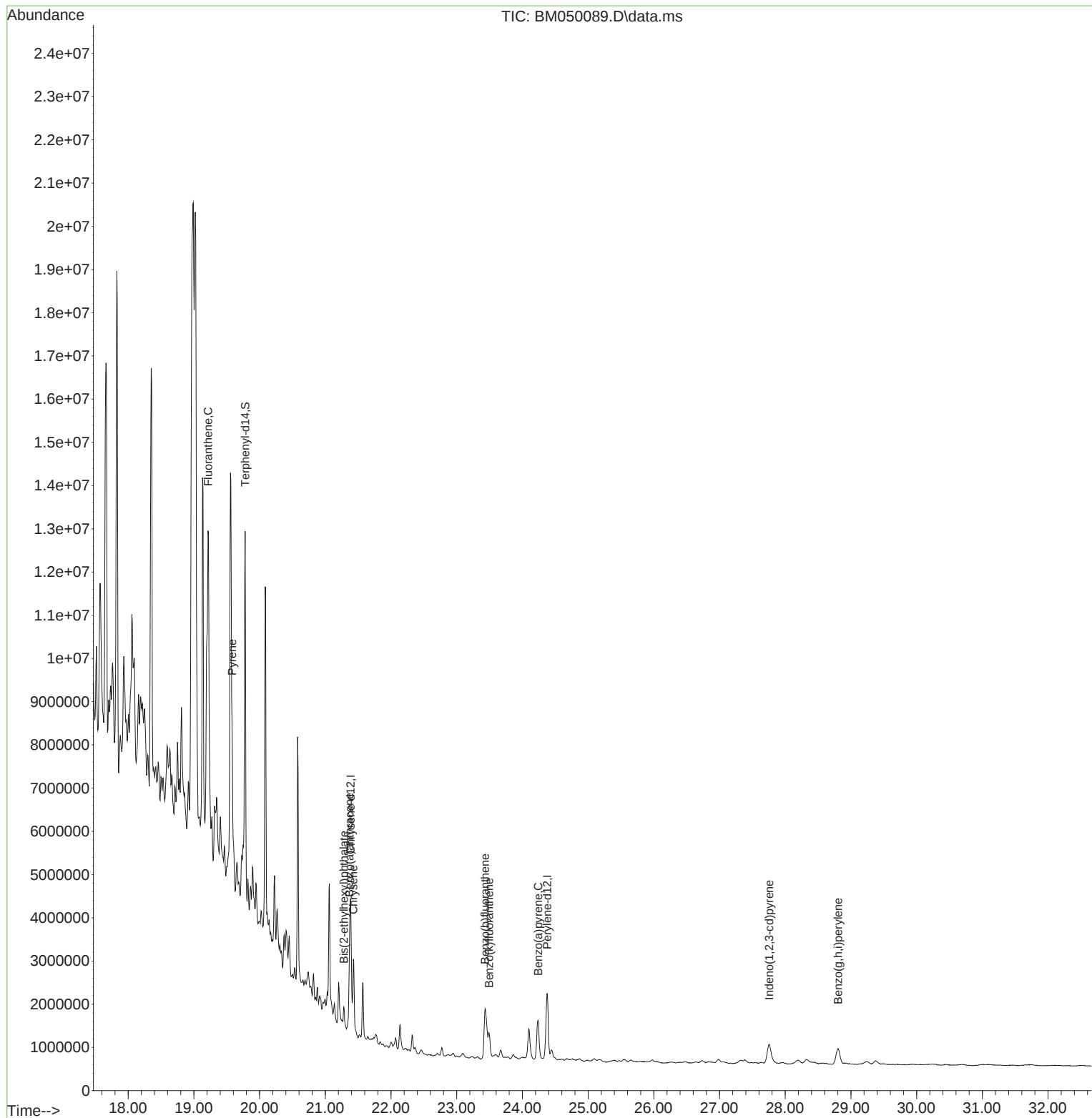
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050089.D
Acq On : 02 May 2025 17:17
Operator : RC/JU
Sample : Q1914-08
Misc :
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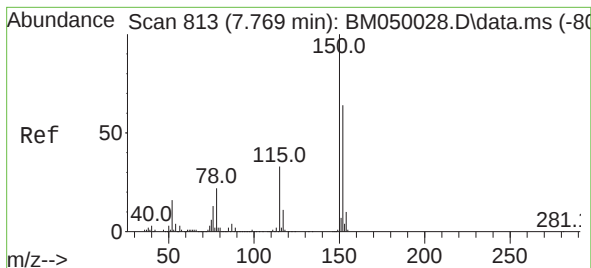
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
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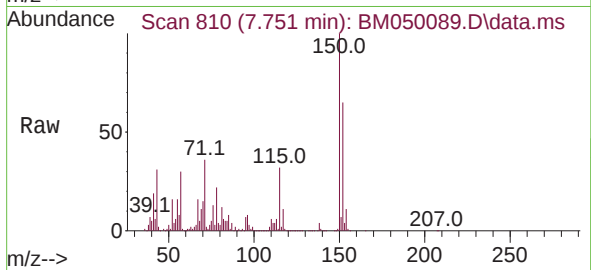
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.751 min Scan# 813
Delta R.T. -0.018 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

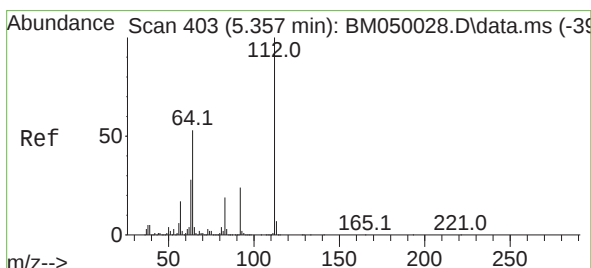
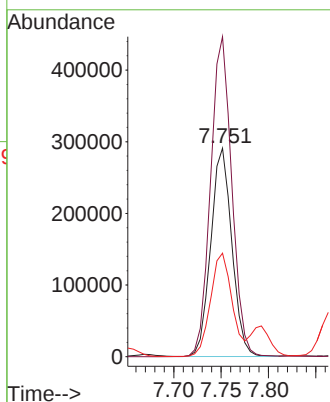
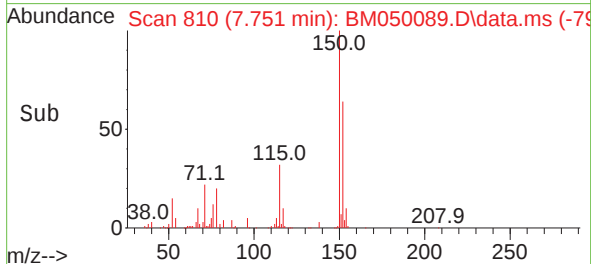
Instrument :
BNA_M
ClientSampleId :
SS-7



Tgt Ion:152 Resp: 450044
Ion Ratio Lower Upper
152 100
150 153.5 124.1 186.1
115 49.7 41.2 61.8

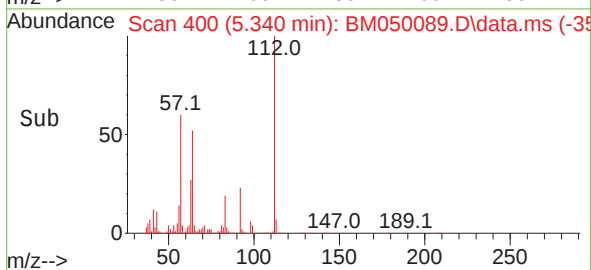
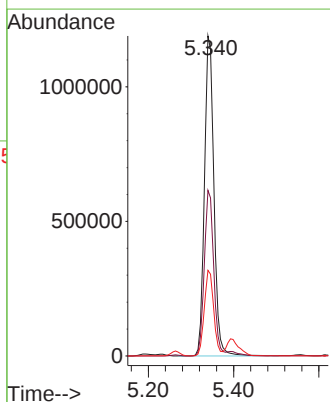
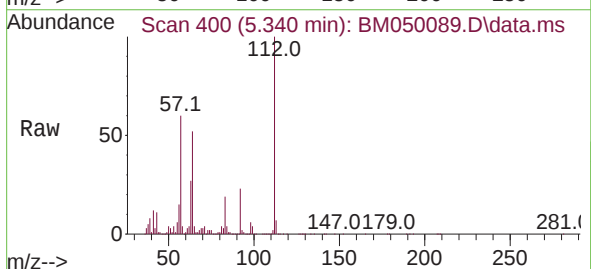
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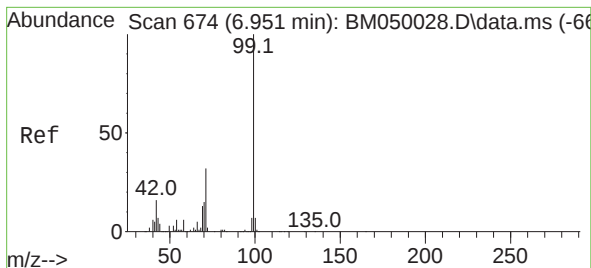
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#5
2-Fluorophenol
Concen: 71.320 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

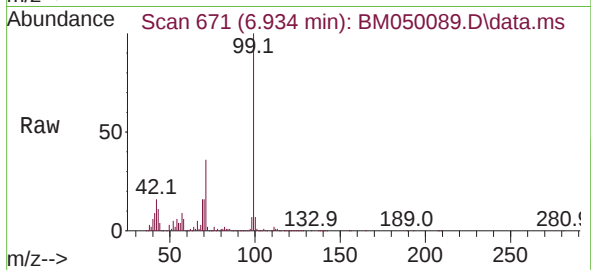
Tgt Ion:112 Resp: 1832982
Ion Ratio Lower Upper
112 100
64 51.7 42.6 64.0
63 26.7 22.2 33.4





Phenol-d6
Concen: 68.075 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

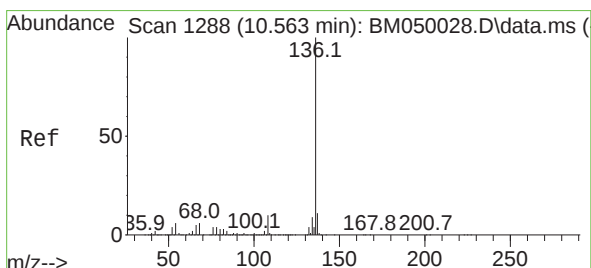
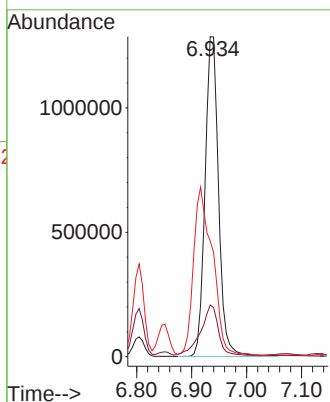
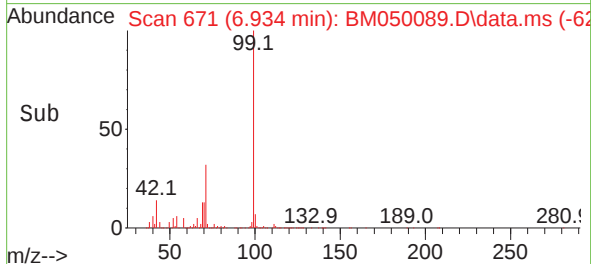
Instrument :
BNA_M
ClientSampleId :
SS-7



Tgt Ion: 99 Resp: 219902
Ion Ratio Lower Upper
99 100
42 16.1 13.0 19.4
71 36.1 25.6 38.4

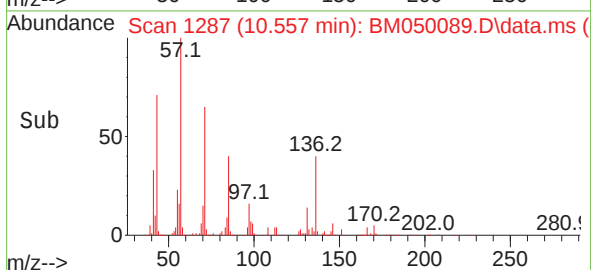
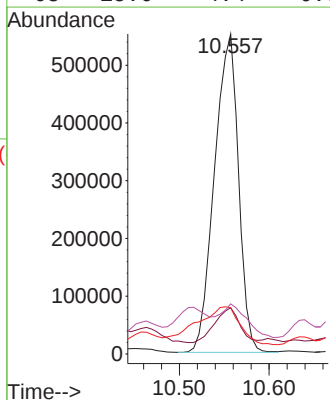
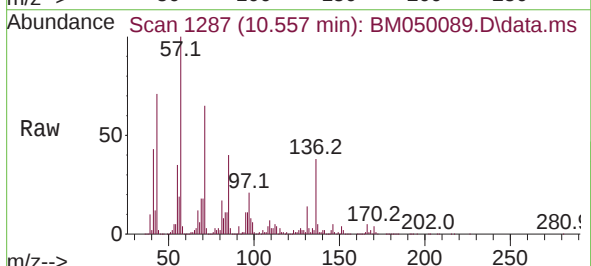
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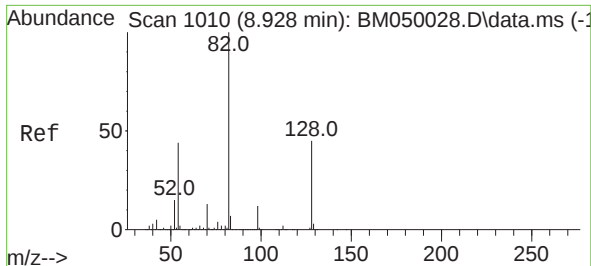
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

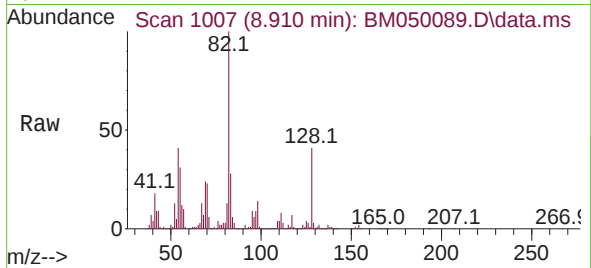
Tgt Ion:136 Resp: 1023590
Ion Ratio Lower Upper
136 100
137 14.4 8.9 13.3#
54 14.4 5.1 7.7#
68 15.6 4.4 6.6#





#23
Nitrobenzene-d5
Concen: 72.304 ng
RT: 8.910 min Scan# 1007
Delta R.T. -0.018 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

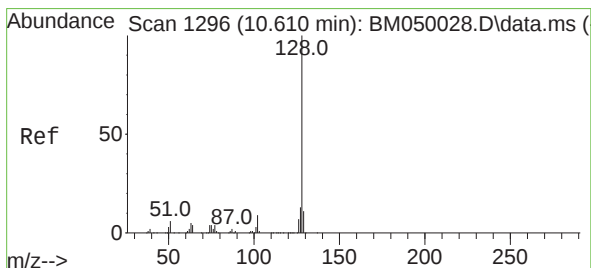
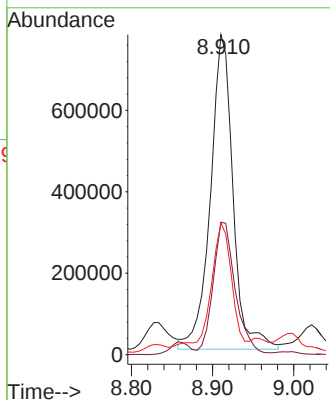
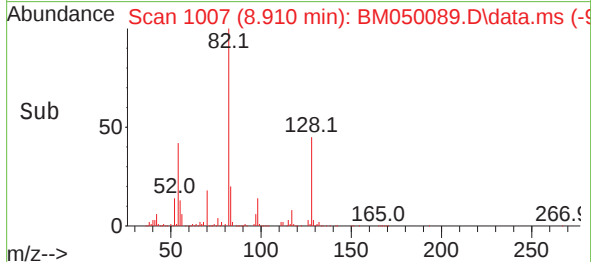
Instrument :
BNA_M
ClientSampleId :
SS-7



Tgt Ion: 82 Resp: 150193
Ion Ratio Lower Upper
82 100
128 41.4 35.7 53.5
54 41.2 35.4 53.2

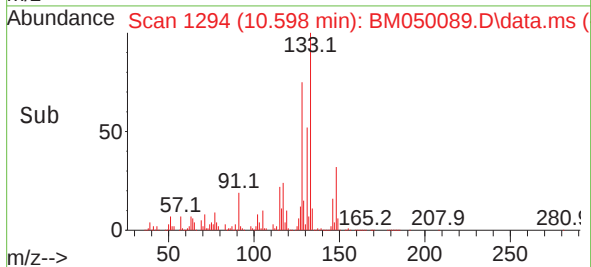
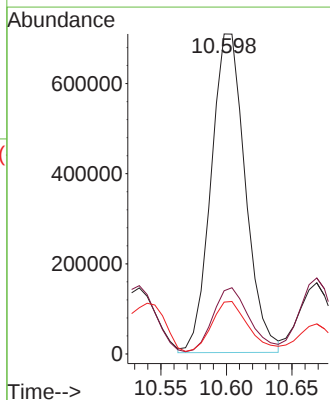
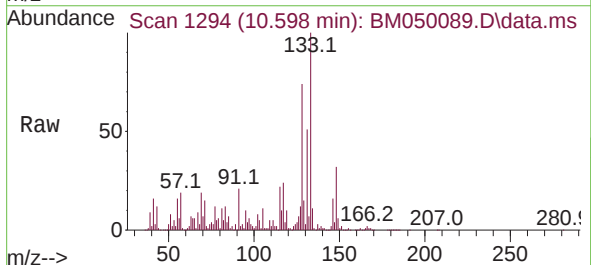
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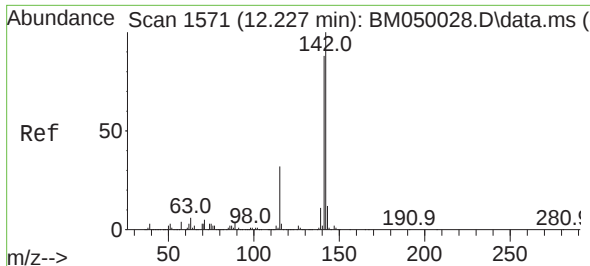
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#31
Naphthalene
Concen: 24.804 ng
RT: 10.598 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

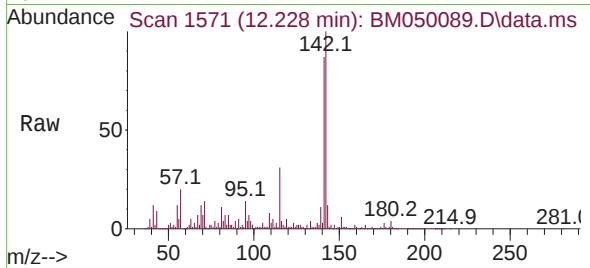
Tgt Ion:128 Resp: 1285753
Ion Ratio Lower Upper
128 100
129 19.8 8.8 13.2#
127 16.2 10.4 15.6#





#37
2-Methylnaphthalene
Concen: 78.140 ng
RT: 12.228 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

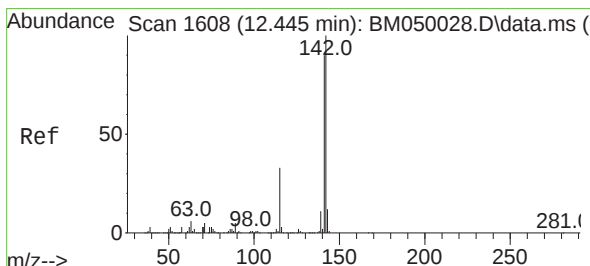
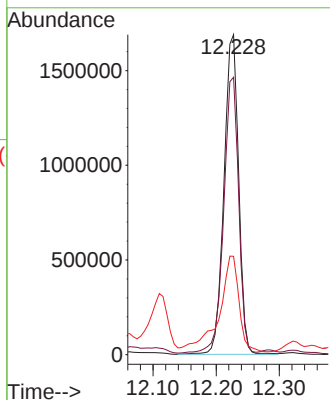
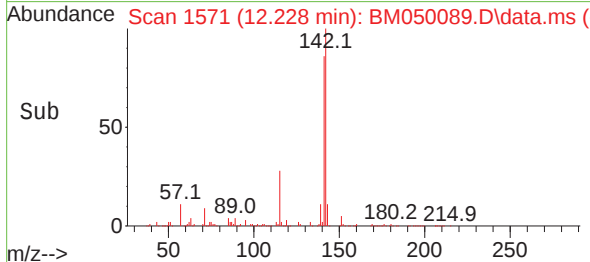
Instrument :
BNA_M
ClientSampleId :
SS-7



Tgt Ion:142 Resp: 2715680
Ion Ratio Lower Upper
142 100
141 86.7 70.4 105.6
115 30.8 25.4 38.2

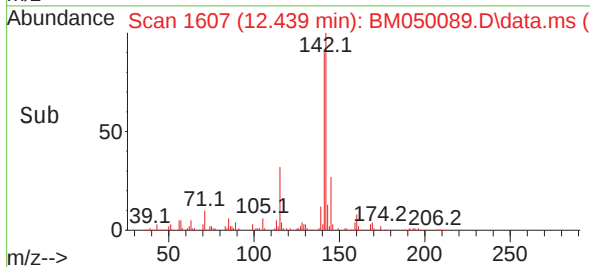
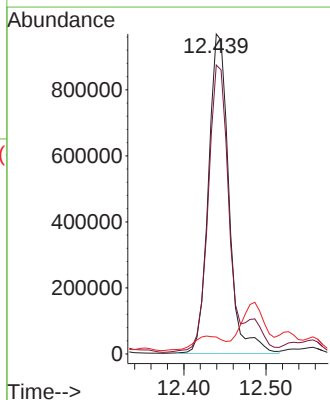
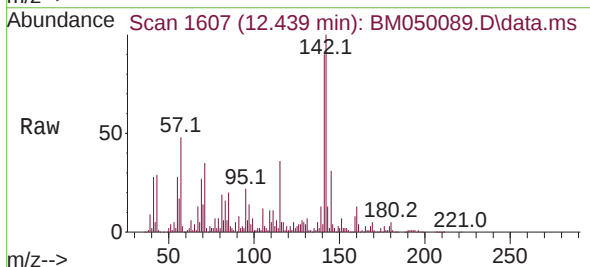
Manual Integrations
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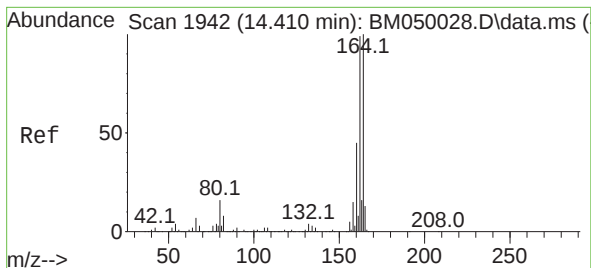
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#38
1-Methylnaphthalene
Concen: 45.476 ng m
RT: 12.439 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

Tgt Ion:142 Resp: 1672580
Ion Ratio Lower Upper
142 100
141 90.3 72.1 108.1
116 5.3 2.7 4.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.410 min Scan# 1942

Delta R.T. -0.000 min

Lab File: BM050089.D

Acq: 02 May 2025 17:17

Instrument :

BNA_M

ClientSampleId :

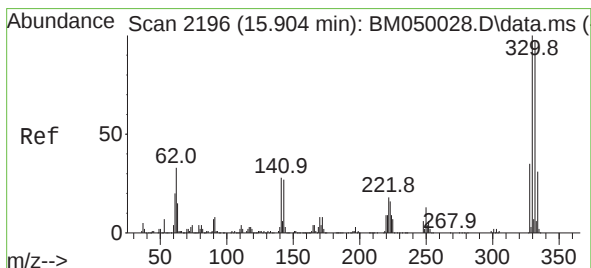
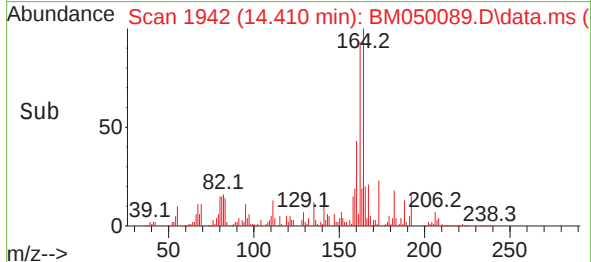
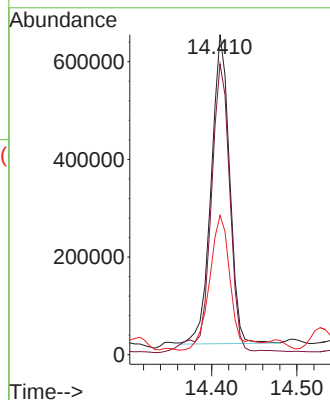
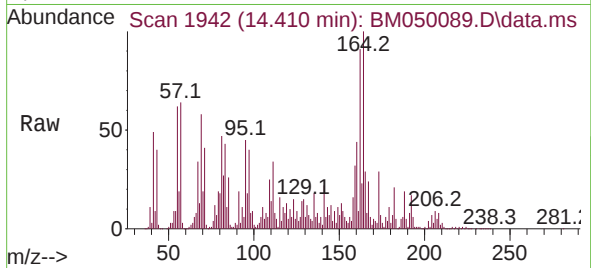
SS-7

Tgt Ion:164 Resp: 947352
 Ion Ratio Lower Upper
 164 100
 162 90.9 79.4 119.0
 160 43.5 36.2 54.4

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 80.337 ng

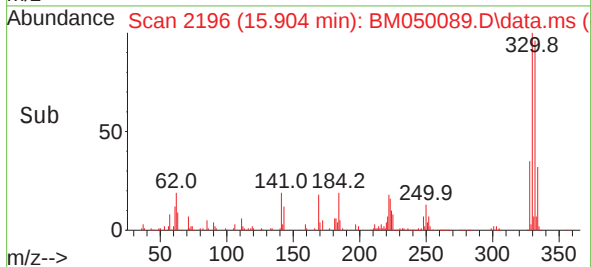
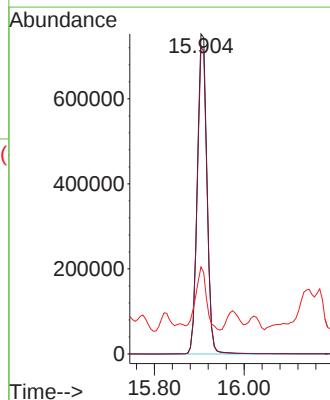
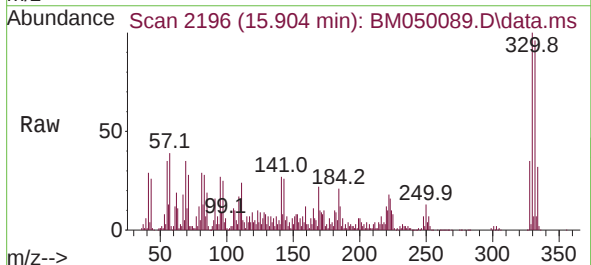
RT: 15.904 min Scan# 2196

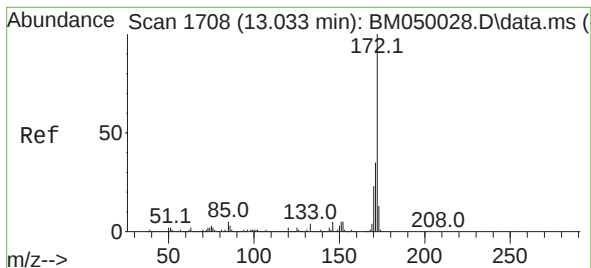
Delta R.T. 0.000 min

Lab File: BM050089.D

Acq: 02 May 2025 17:17

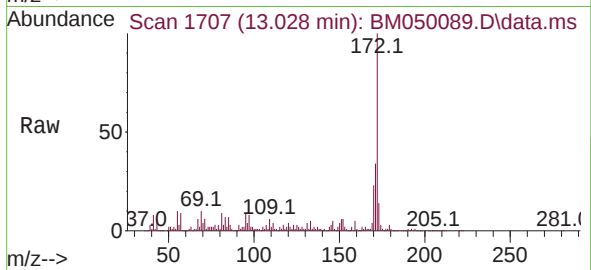
Tgt Ion:330 Resp: 1125353
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.3 115.9
 141 22.0 22.5 33.7#





#45
2-Fluorobiphenyl
Concen: 40.228 ng
RT: 13.028 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

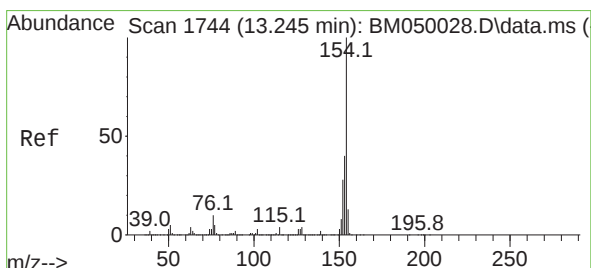
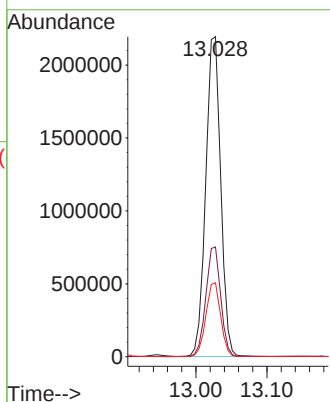
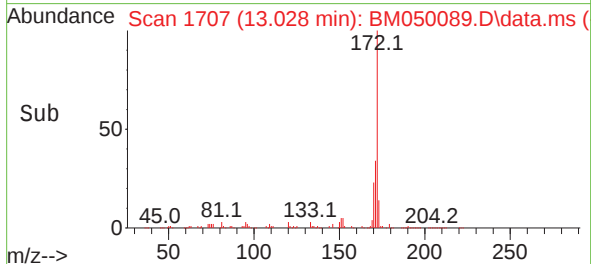
Instrument :
BNA_M
ClientSampleId :
SS-7



Tgt Ion:172 Resp: 322153
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.6
170 23.1 18.6 28.0

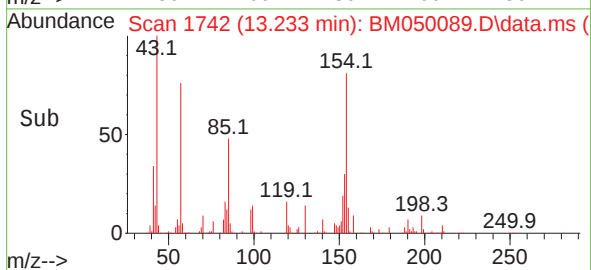
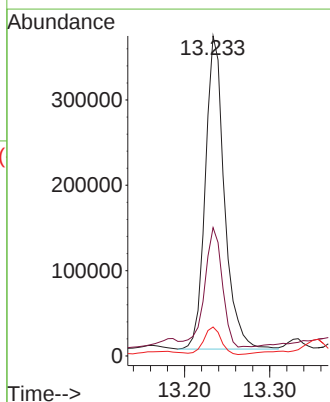
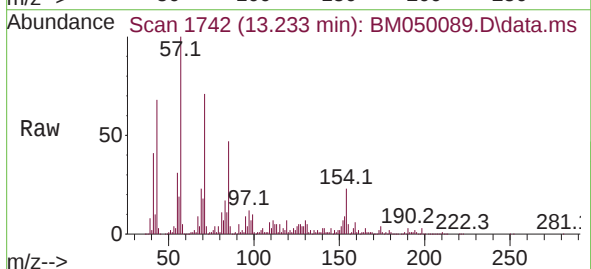
Manual Integrations
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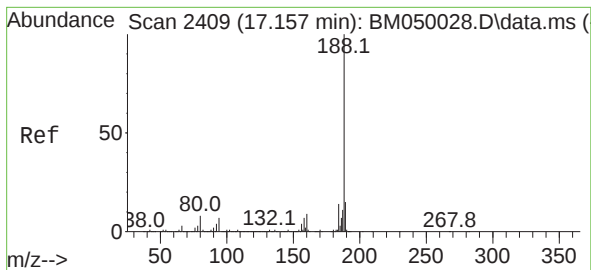
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#46
1,1'-Biphenyl
Concen: 8.107 ng
RT: 13.233 min Scan# 1742
Delta R.T. -0.012 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

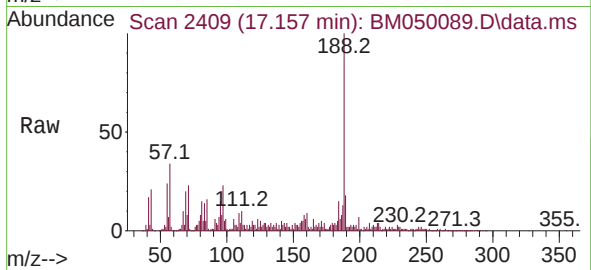
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Ion Ratio Lower Upper
154 100
153 40.1 20.0 60.0
76 9.1 0.0 30.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

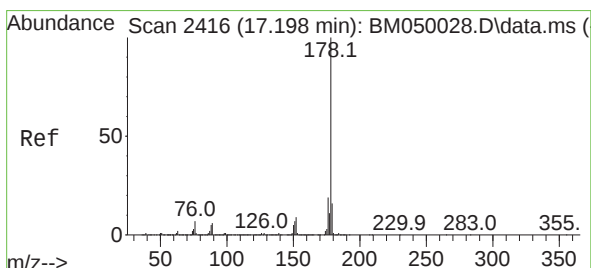
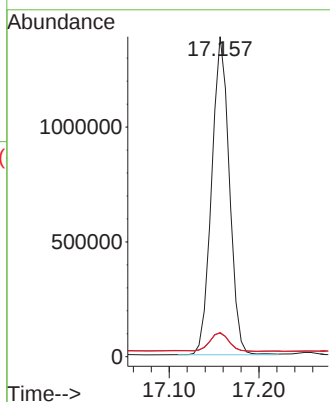
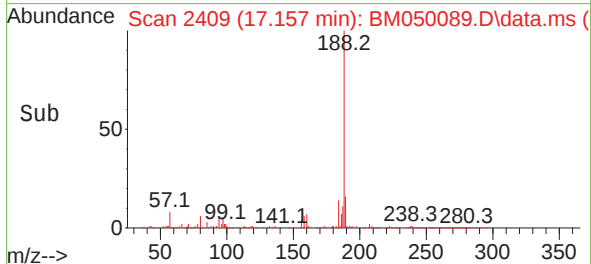
Instrument :
BNA_M
ClientSampleId :
SS-7



Tgt Ion:188 Resp: 1897249
Ion Ratio Lower Upper
188 100
94 7.4 5.7 8.5
80 7.6 6.2 9.4

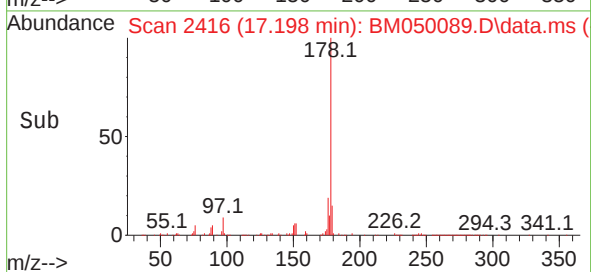
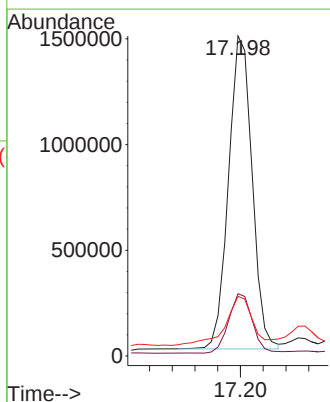
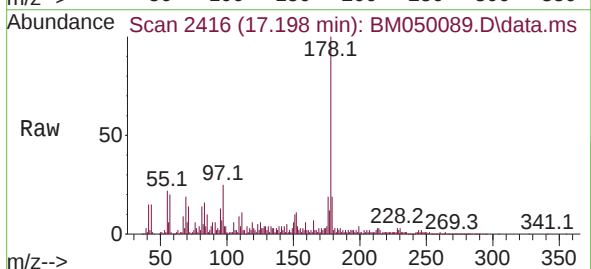
Manual Integrations
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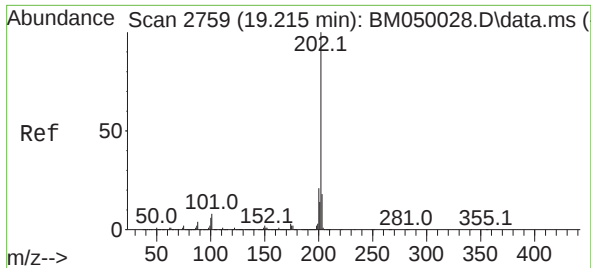
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#71
Phenanthrene
Concen: 19.882 ng
RT: 17.198 min Scan# 2416
Delta R.T. 0.000 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

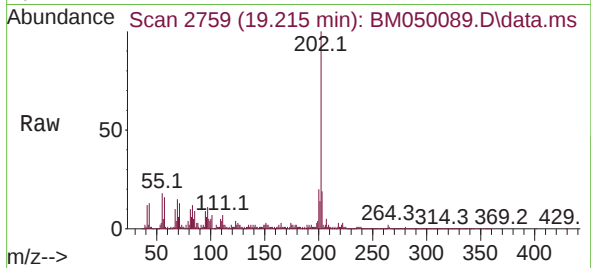
Tgt Ion:178 Resp: 2127512
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 18.6 12.4 18.6#





#75
Fluoranthene
Concen: 22.816 ng
RT: 19.215 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

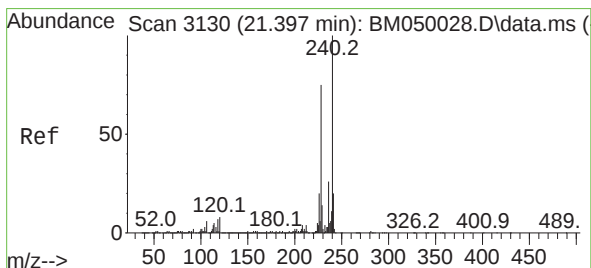
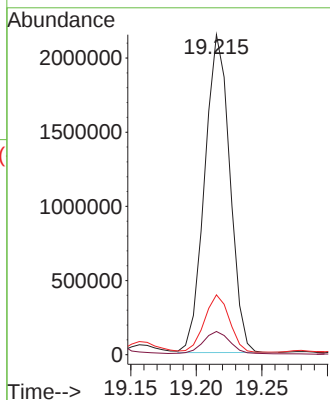
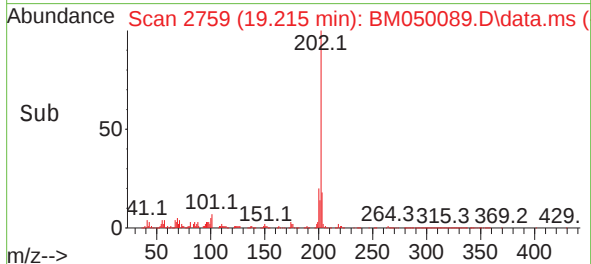
Instrument :
BNA_M
ClientSampleId :
SS-7



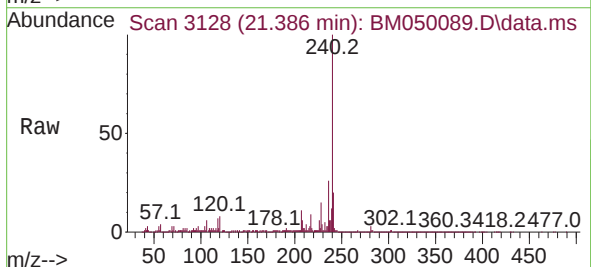
Tgt Ion:202 Resp: 286645
Ion Ratio Lower Upper
202 100
101 7.2 0.0 28.0
203 18.7 0.0 37.7

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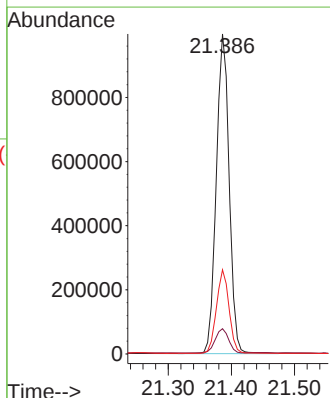
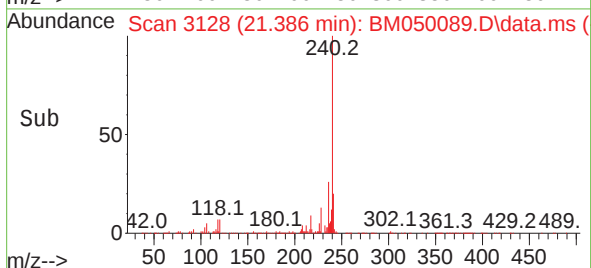
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

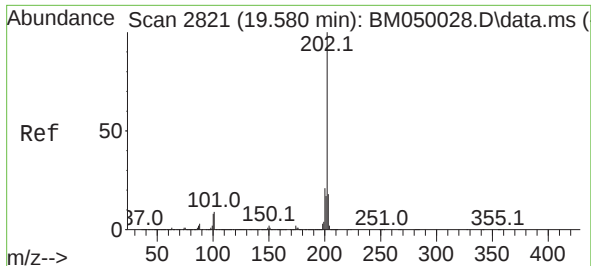


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17



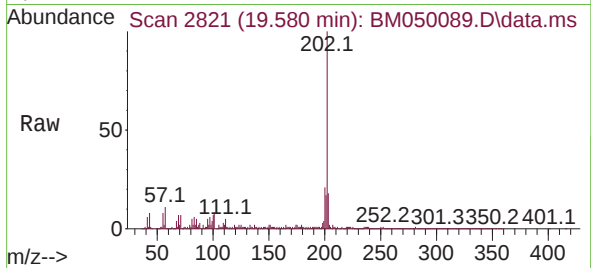
Tgt Ion:240 Resp: 1412128
Ion Ratio Lower Upper
240 100
120 7.9 6.5 9.7
236 26.3 20.9 31.3





#78
Pyrene
Concen: 27.776 ng
RT: 19.580 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

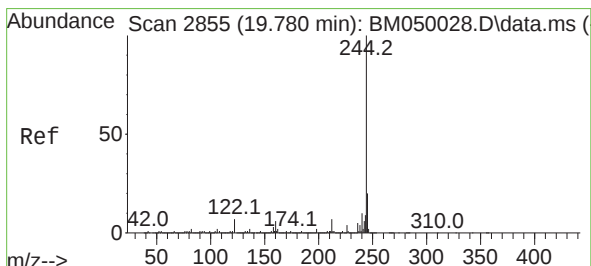
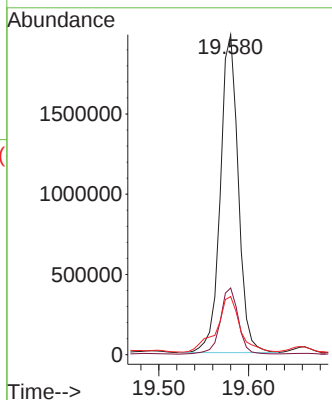
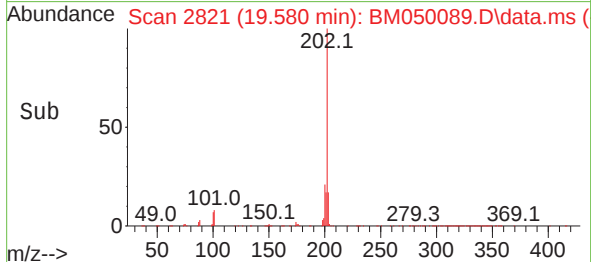
Instrument :
BNA_M
ClientSampleId :
SS-7



Tgt Ion:202 Resp: 275441
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 18.2 14.1 21.1

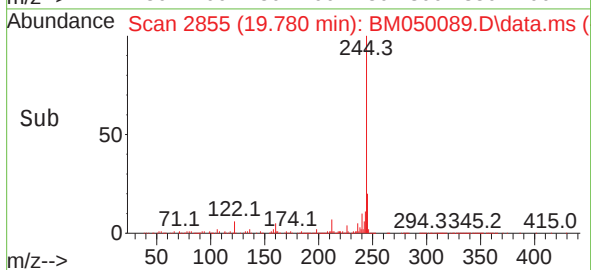
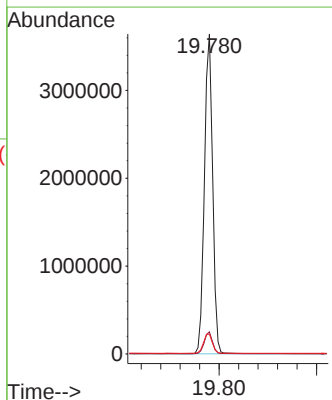
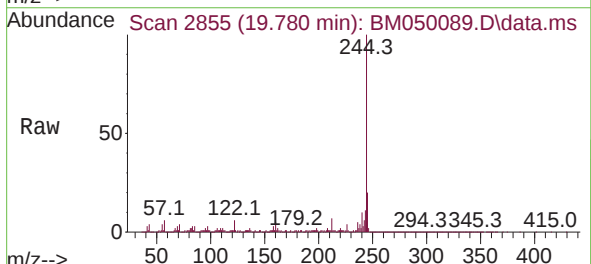
Manual Integrations
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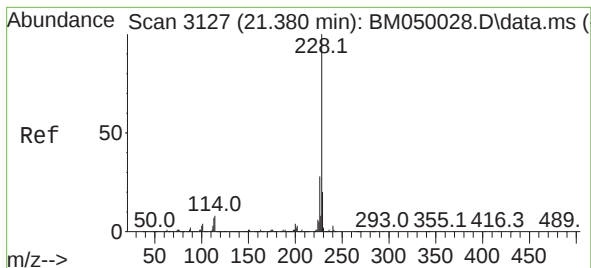
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#79
Terphenyl-d14
Concen: 44.488 ng
RT: 19.780 min Scan# 2855
Delta R.T. 0.000 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

Tgt Ion:244 Resp: 4245502
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 6.2 5.6 8.4





#81

Benzo(a)anthracene

Concen: 10.221 ng

RT: 21.368 min Scan# 3125

Delta R.T. -0.012 min

Lab File: BM050089.D

Acq: 02 May 2025 17:17

Instrument :

BNA_M

ClientSampleId :

SS-7

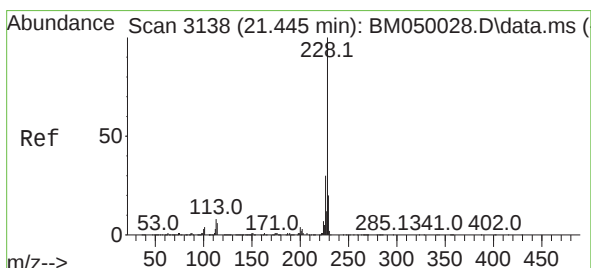
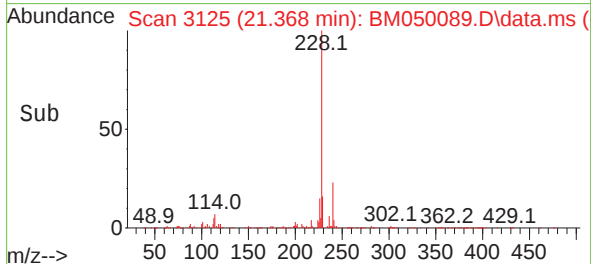
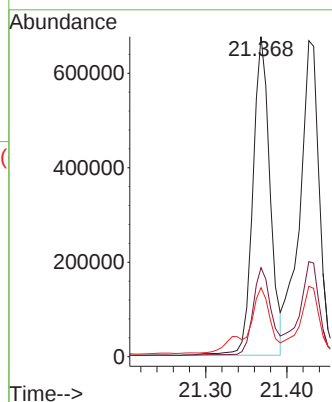
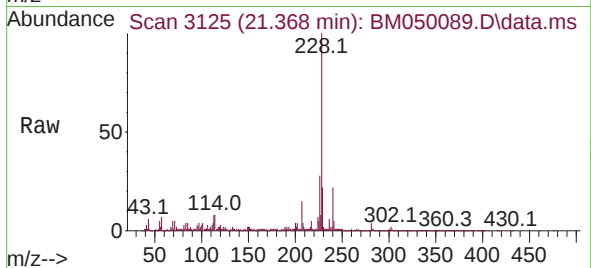
Tgt Ion:228 Resp: 993968
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.1 33.1
 229 21.6 15.7 23.5

Manual Integrations

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Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025



#83

Chrysene

Concen: 12.448 ng

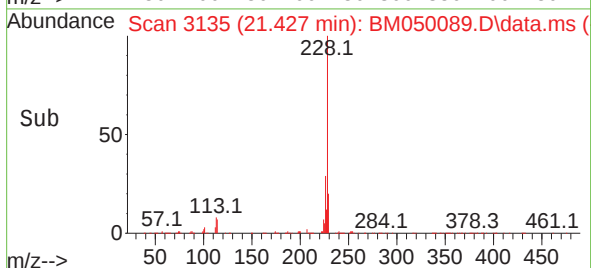
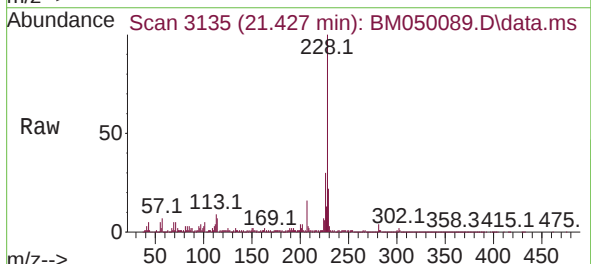
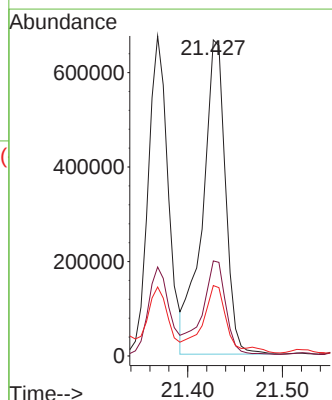
RT: 21.427 min Scan# 3135

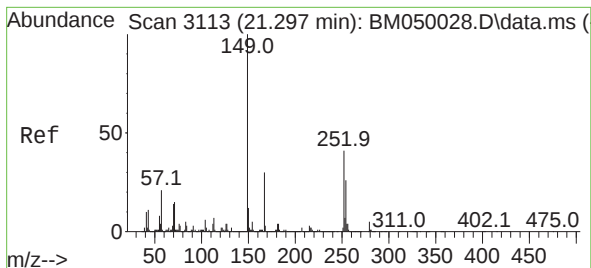
Delta R.T. -0.018 min

Lab File: BM050089.D

Acq: 02 May 2025 17:17

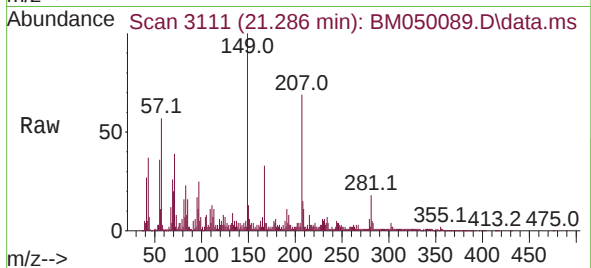
Tgt Ion:228 Resp: 1120290
 Ion Ratio Lower Upper
 228 100
 226 30.1 24.2 36.2
 229 22.3 15.7 23.5





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.257 ng
RT: 21.286 min Scan# 3111
Delta R.T. -0.012 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

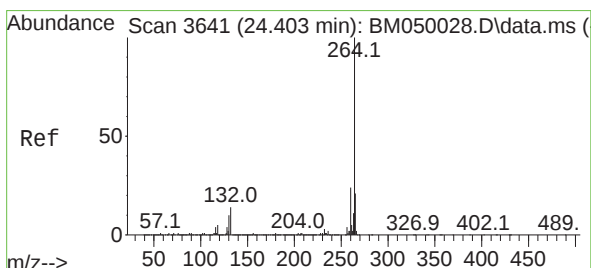
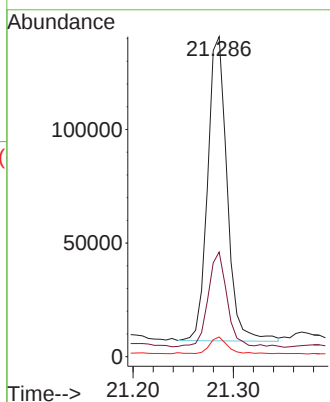
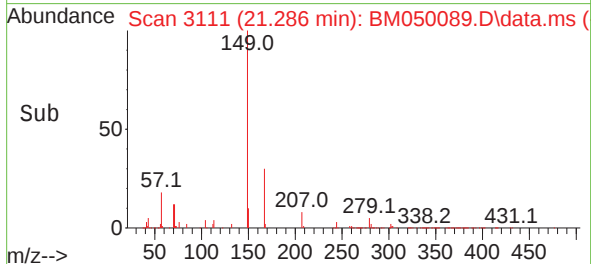
Instrument :
BNA_M
ClientSampleId :
SS-7



Tgt Ion:149 Resp: 180711
Ion Ratio Lower Upper
149 100
167 32.7 24.1 36.1
279 6.1 3.9 5.9

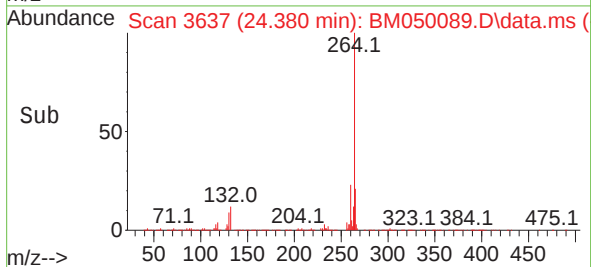
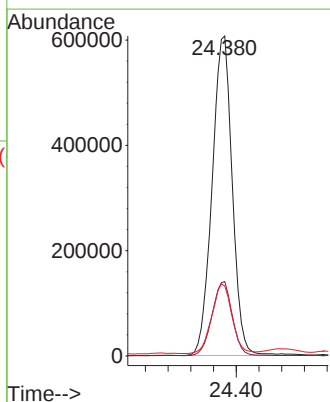
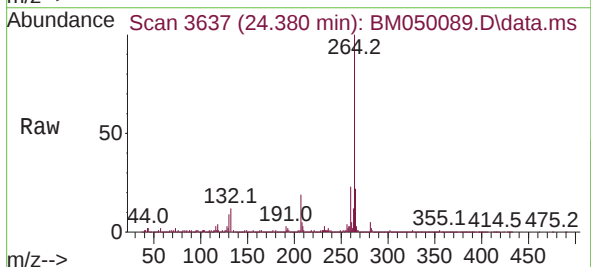
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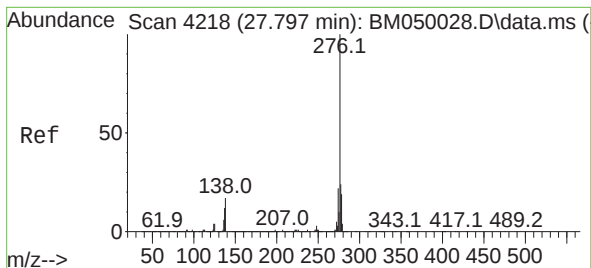
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.380 min Scan# 3637
Delta R.T. -0.023 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

Tgt Ion:264 Resp: 1490251
Ion Ratio Lower Upper
264 100
260 23.3 18.8 28.2
265 21.8 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.344 ng

RT: 27.756 min Scan# 41

Delta R.T. -0.041 min

Lab File: BM050089.D

Acq: 02 May 2025 17:17

Instrument :

BNA_M

ClientSampleId :

SS-7

Tgt Ion:276 Resp: 704410

Ion Ratio Lower Upper

276 100

138 17.1 16.4 24.6

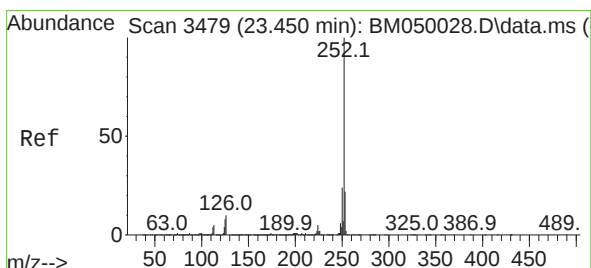
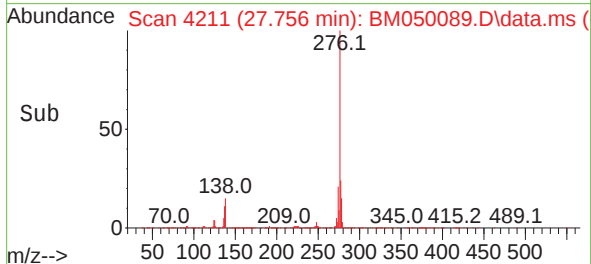
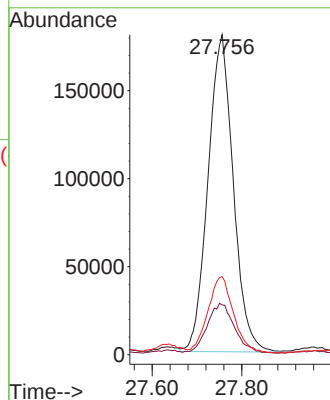
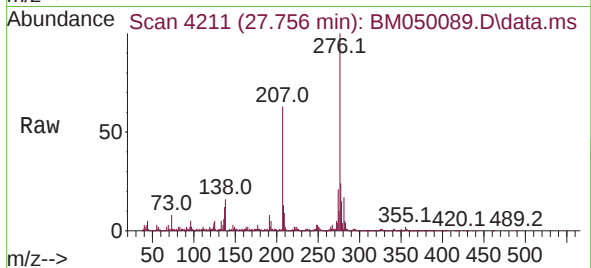
277 24.3 19.8 29.8

Manual Integrations

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Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025



#88

Benzo(b)fluoranthene

Concen: 14.442 ng

RT: 23.433 min Scan# 3476

Delta R.T. -0.018 min

Lab File: BM050089.D

Acq: 02 May 2025 17:17

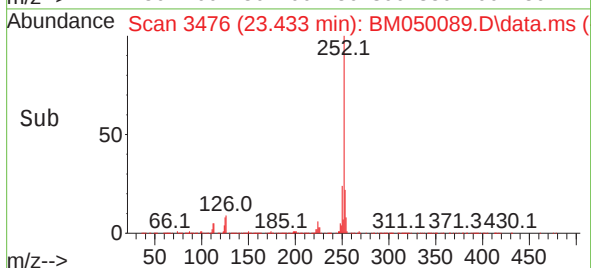
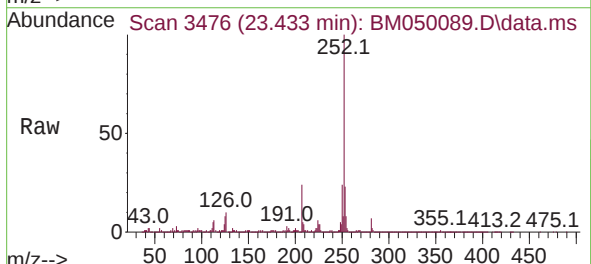
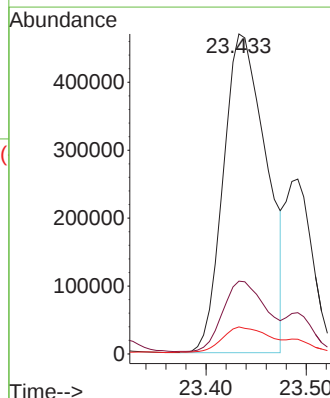
Tgt Ion:252 Resp: 1399614

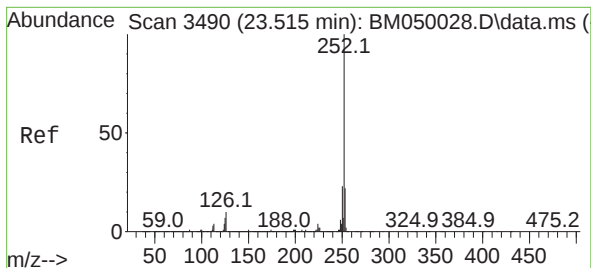
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 8.5 6.1 9.1





#89

Benzo(k)fluoranthene

Concen: 4.997 ng m

RT: 23.492 min Scan# 3490

Delta R.T. -0.023 min

Lab File: BM050089.D

Acq: 02 May 2025 17:17

Instrument :

BNA_M

ClientSampleId :

SS-7

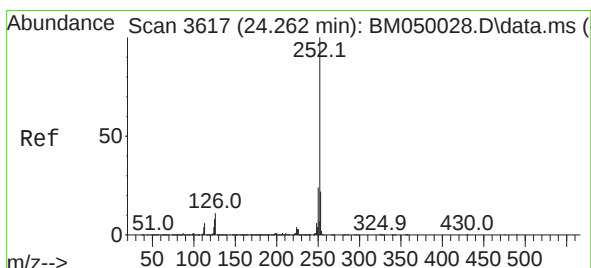
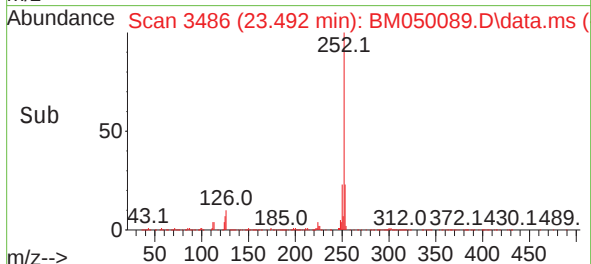
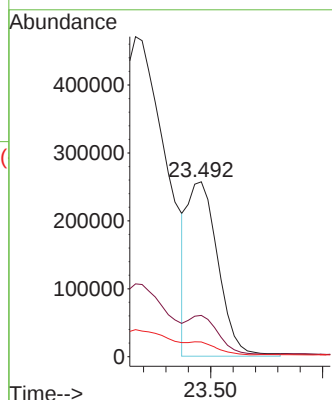
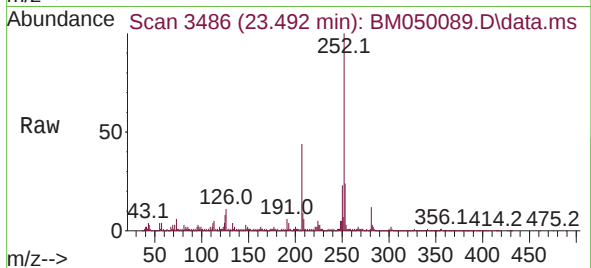
Tgt Ion:252 Resp: 489824
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.4 26.2
 125 8.4 5.8 8.8

Manual Integrations

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Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025



#90

Benzo(a)pyrene

Concen: 10.558 ng

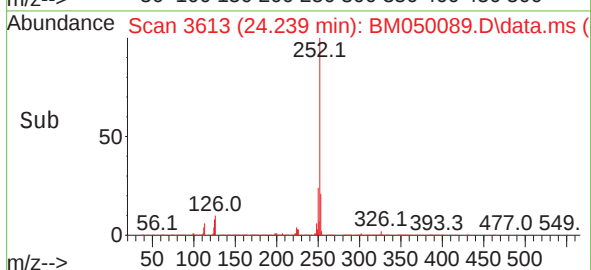
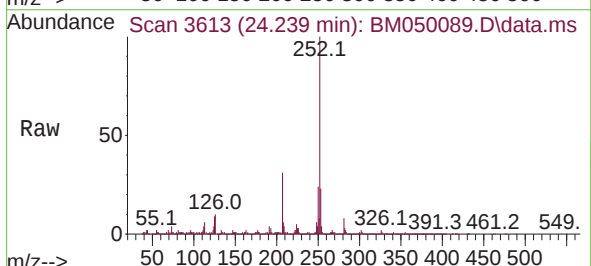
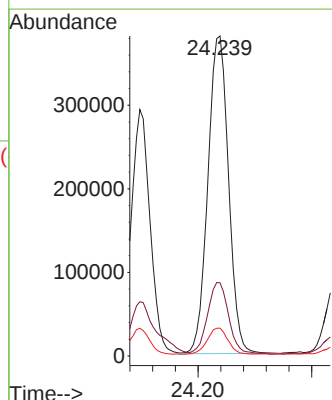
RT: 24.239 min Scan# 3613

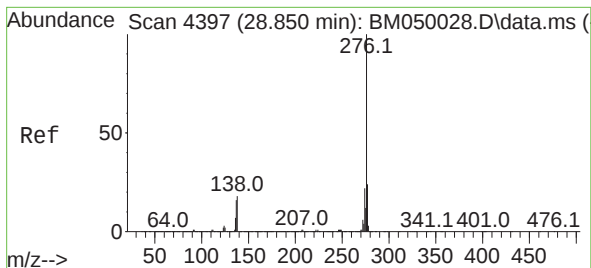
Delta R.T. -0.023 min

Lab File: BM050089.D

Acq: 02 May 2025 17:17

Tgt Ion:252 Resp: 958358
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.4 26.0
 125 8.7 6.6 9.8





#92

Benzo(g,h,i)perylene

Concen: 7.876 ng

RT: 28.803 min Scan# 4389

Delta R.T. -0.047 min

Lab File: BM050089.D

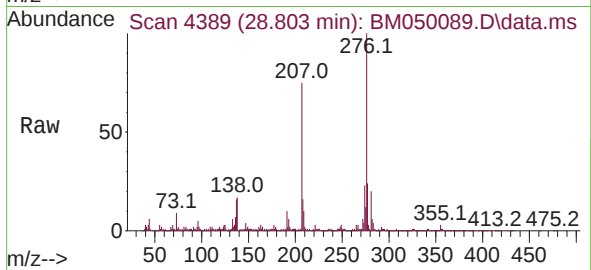
Acq: 02 May 2025 17:17

Instrument :

BNA_M

ClientSampleId :

SS-7



Tgt Ion:276 Resp: 68250

Ion Ratio Lower Upper

276 100

277 23.8 19.1 28.7

138 17.0 14.3 21.5

Manual Integrations

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Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025

