

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 :

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli

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							05/05/2025
1) 1,4-Dichlorobenzene-d4	7.751	152	450043	20.000	ng	-0.02	Supervised By :Jagrut padhyay
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	05/05/2025
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

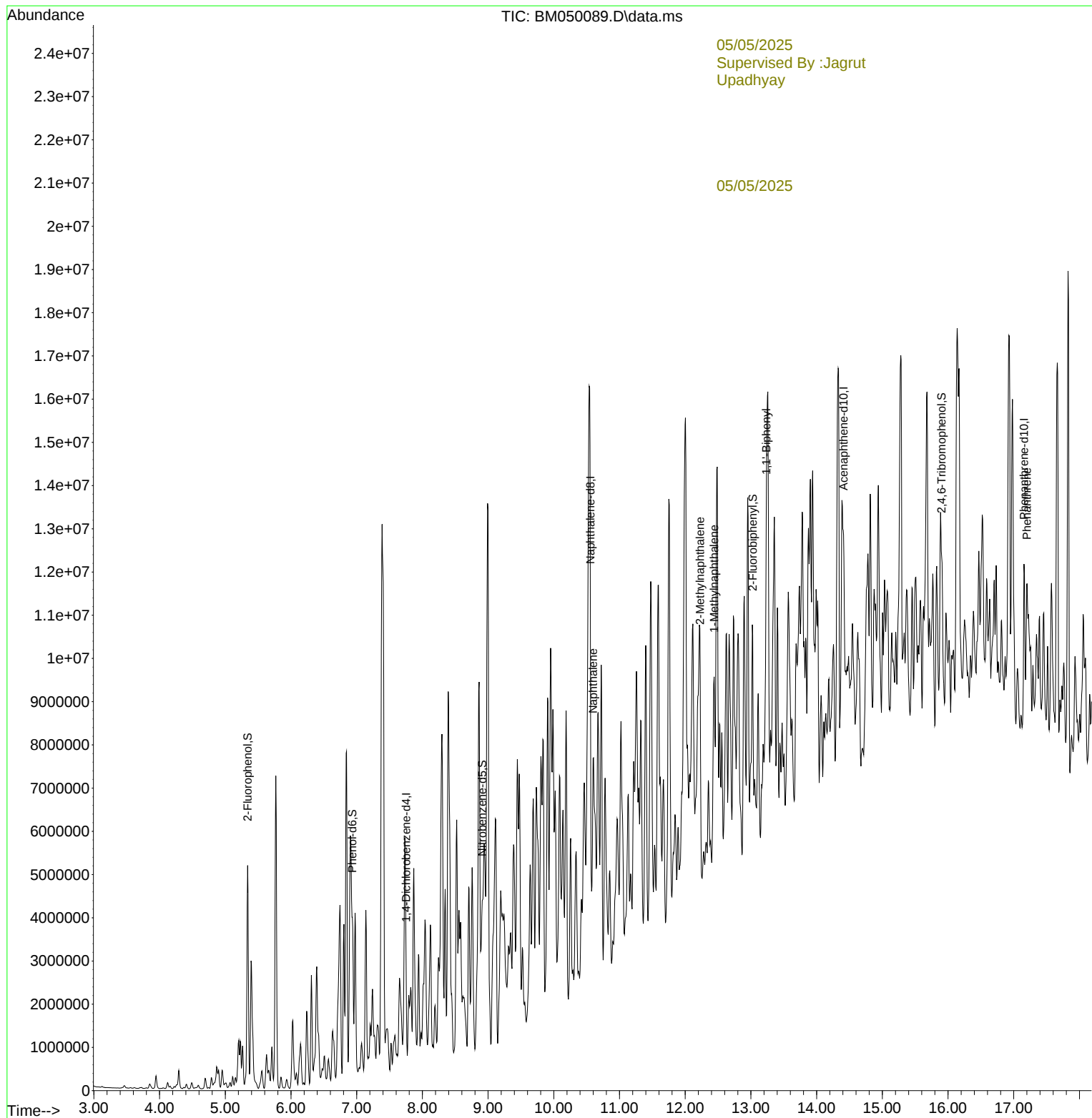
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
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QLast Update : Mon Apr 28 18:09:16 2025
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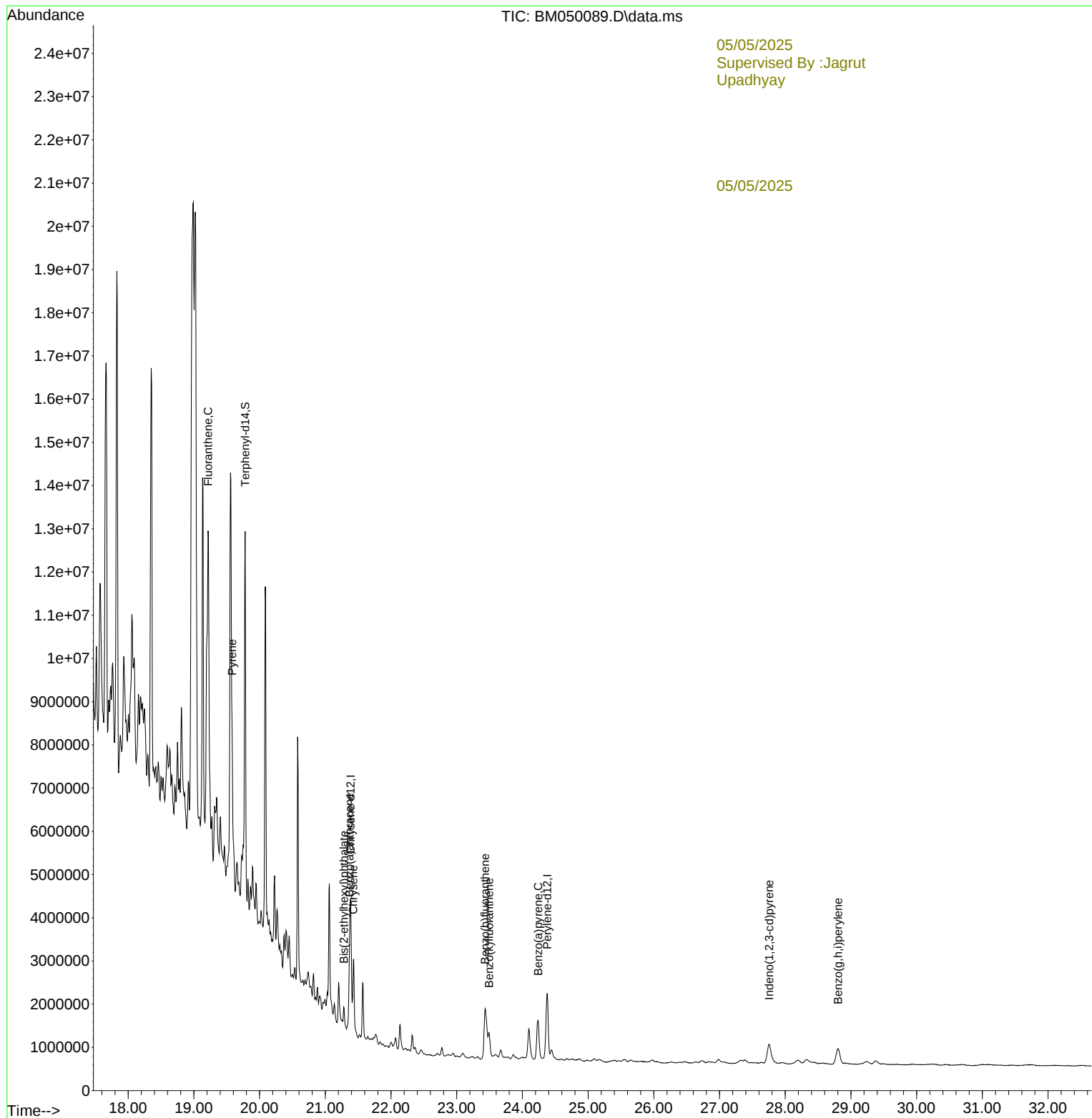
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Acq On : 02 May 2025 17:17
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Quant Time: May 02 23:57:31 2025
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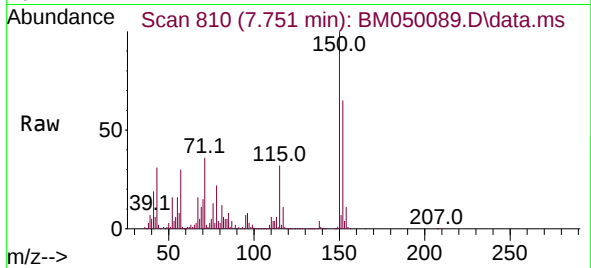
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.751 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

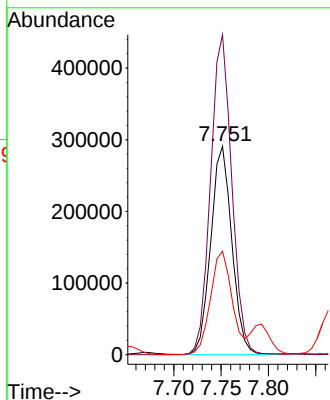
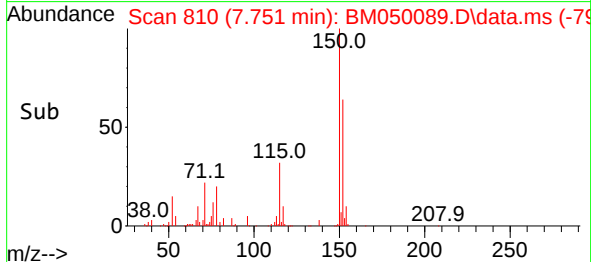
Instrument :
BNA_M
ClientSampleId :



Tgt Ion:152 Resp: 45004
Ion Ratio Lower Upper
152 100
150 153.5 124.1 186.1
115 49.7 41.2 61.8

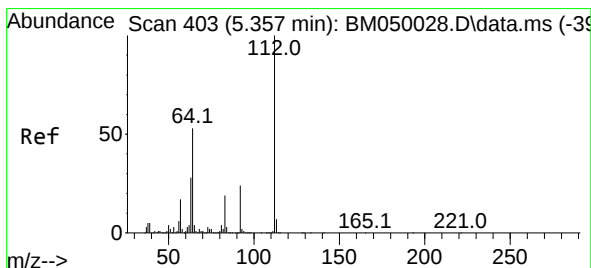
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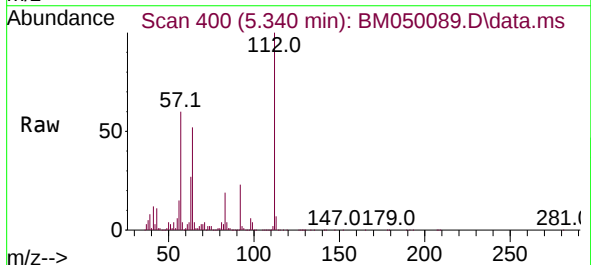


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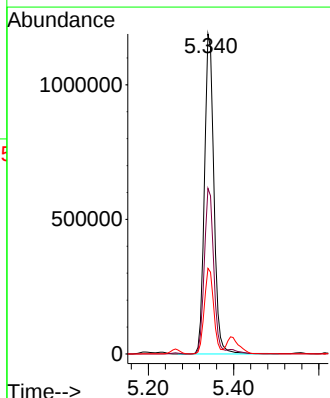
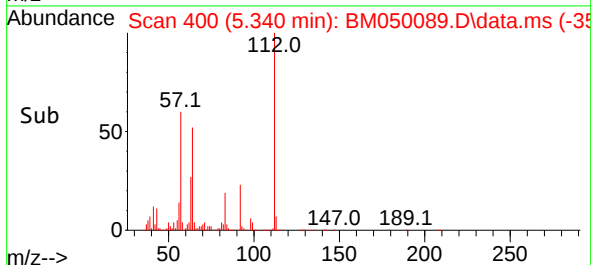
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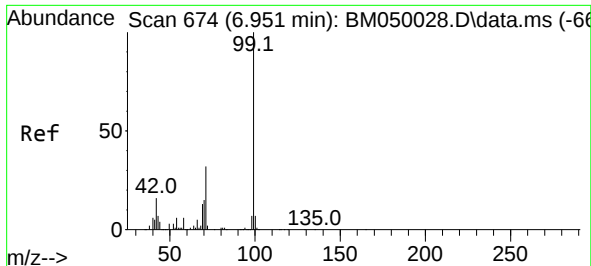


#5
2-Fluorophenol
Concen: 71.320 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17



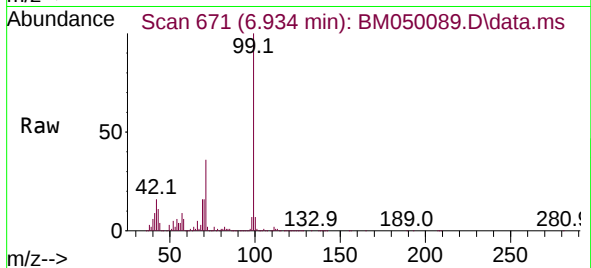
Tgt Ion:112 Resp: 1832982
Ion Ratio Lower Upper
112 100
64 51.7 42.6 64.0
63 26.7 22.2 33.4





#7
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

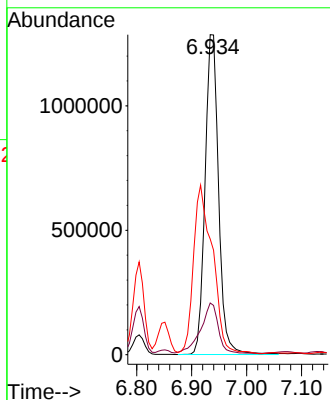
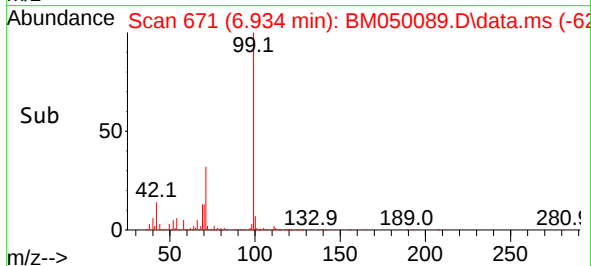
Instrument :
BNA_M
ClientSampleId :



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

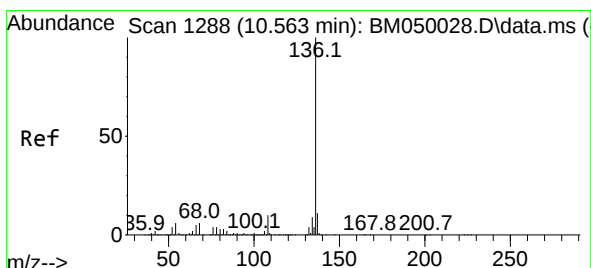
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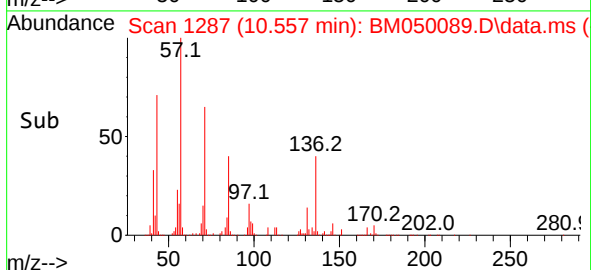
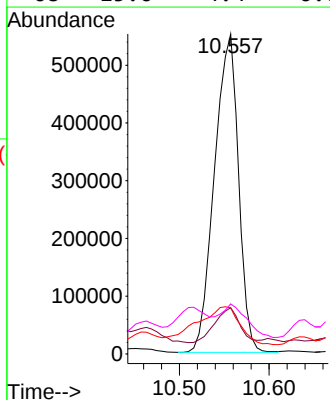
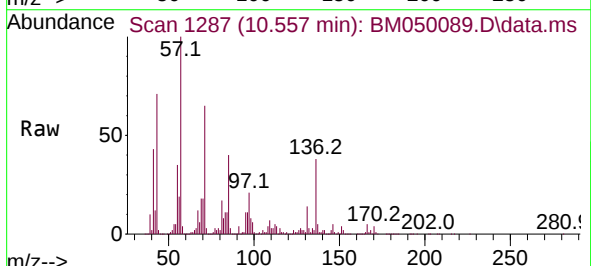
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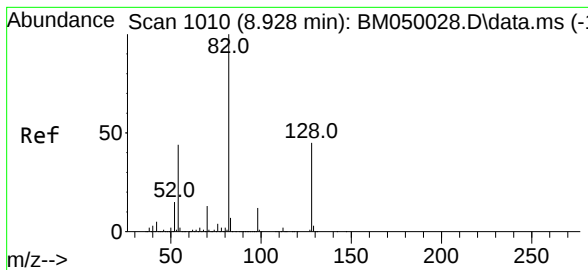
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

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#



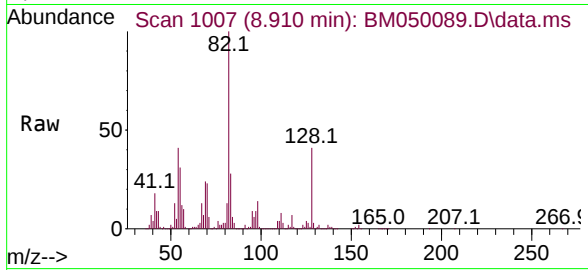


#23
 Nitrobenzene-d5
 Concen: 72.304 ng
 RT: 8.910 min Scan# 1010
 Delta R.T. -0.018 min
 Lab File: BM050089.D
 Acq: 02 May 2025 17:17

Instrument :

BNA_M

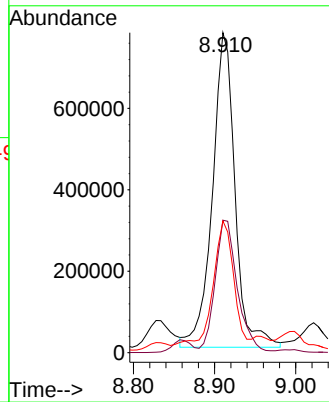
ClientSampleId :



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

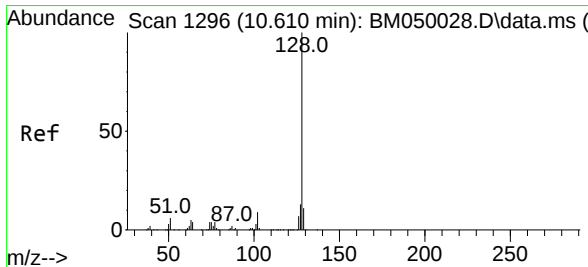
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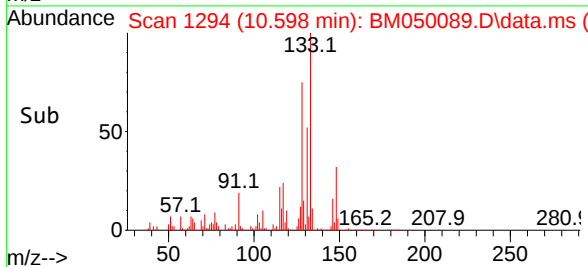
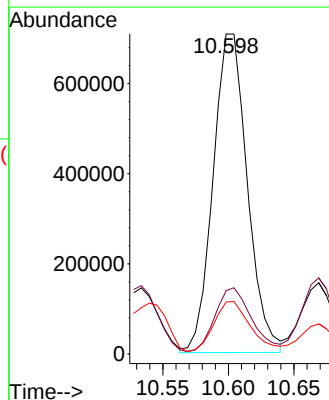
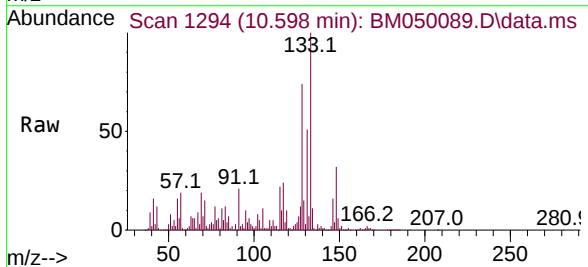
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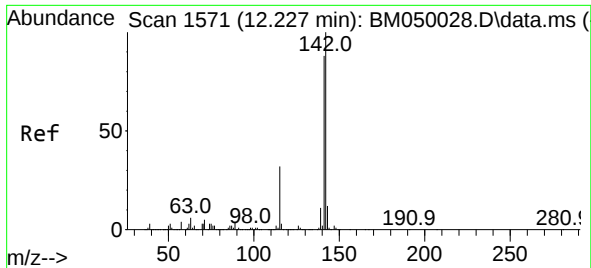
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#31
 Naphthalene
 Concen: 24.804 ng
 RT: 10.598 min Scan# 1294
 Delta R.T. -0.012 min
 Lab File: BM050089.D
 Acq: 02 May 2025 17:17

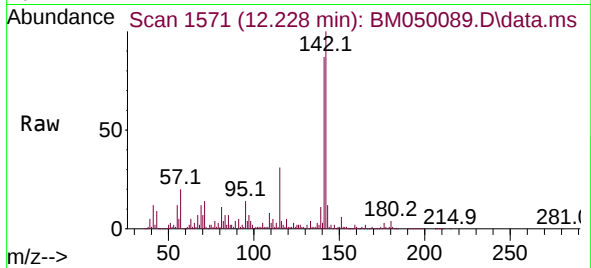
Tgt Ion:128 Resp: 1285753
 Ion Ratio Lower Upper
 128 100
 129 19.8 8.8 13.2#
 127 16.2 10.4 15.6#





#37
2-Methylnaphthalene
Concen: 78.140 ng
RT: 12.228 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

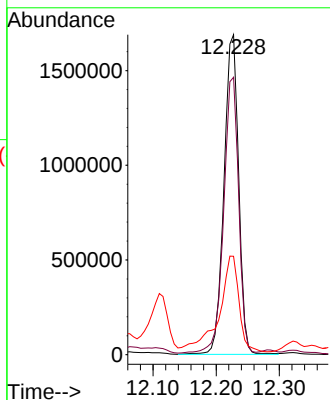
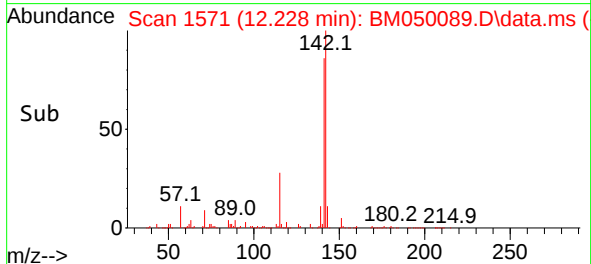
Instrument :
BNA_M
ClientSampleId :



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

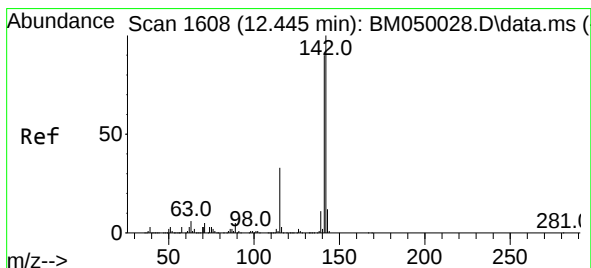
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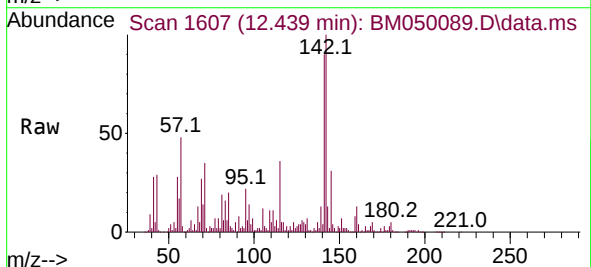


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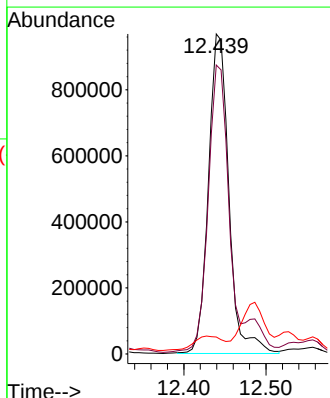
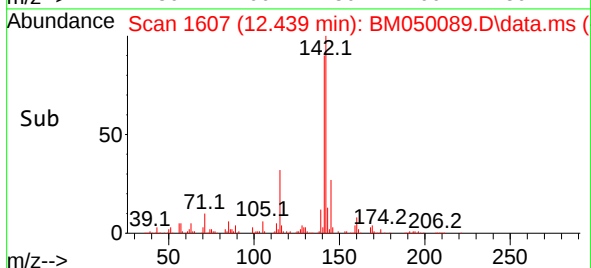
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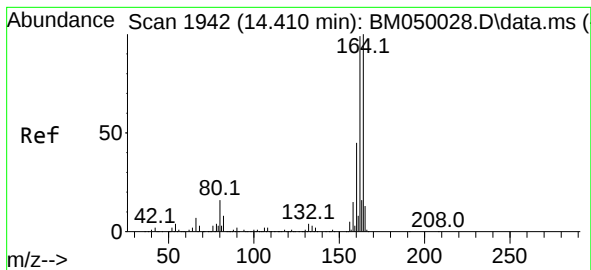


#38
1-Methylnaphthalene
Concen: 45.476 ng m
RT: 12.439 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17



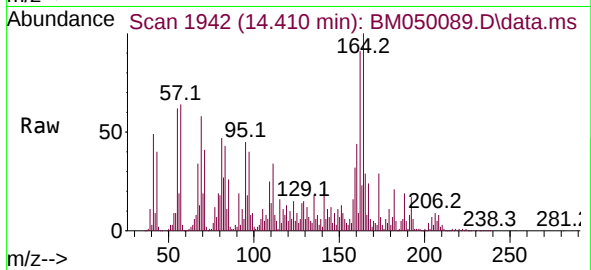
Tgt Ion:142 Resp: 1672580
Ion Ratio Lower Upper
142 100
141 90.3 72.1 108.1
116 5.3 2.7 4.1#





#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

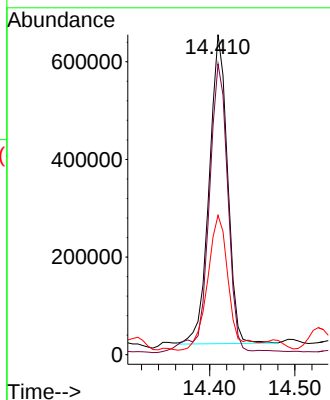
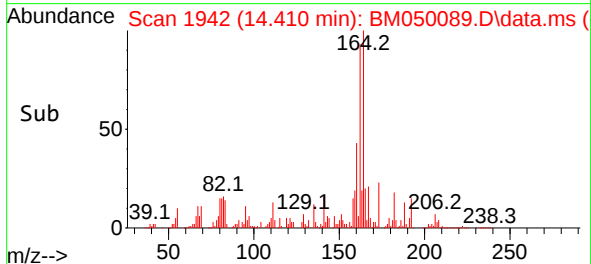
Instrument :
BNA_M
ClientSampleId :



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

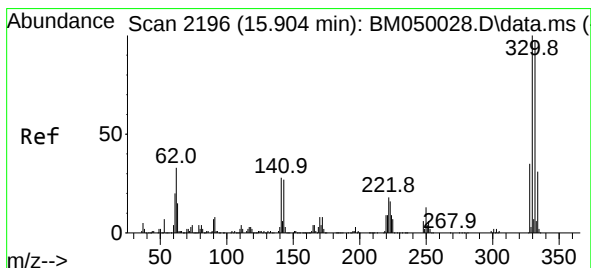
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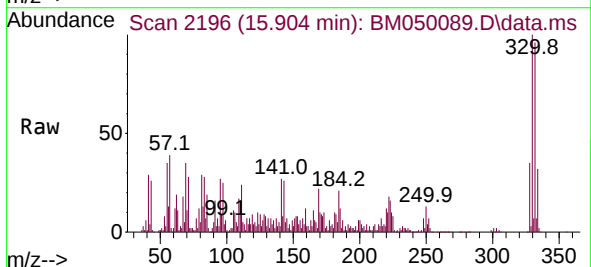


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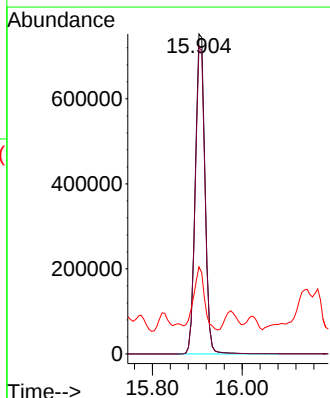
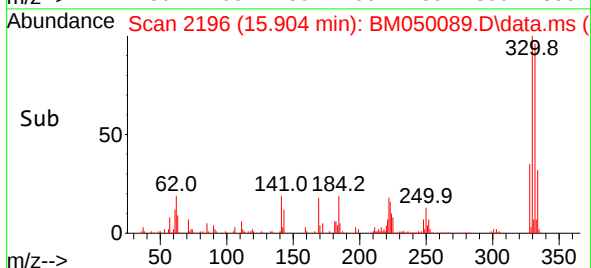
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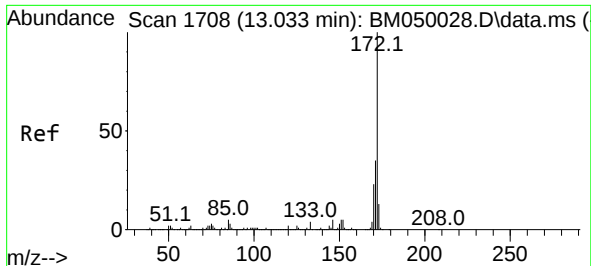


#42
2,4,6-Tribromophenol
Concen: 80.337 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17



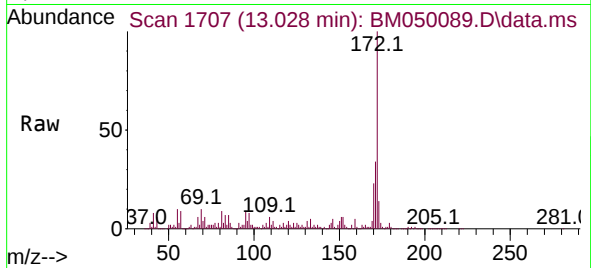
Tgt Ion:330 Resp: 1125353
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 22.0 22.5 33.7#





#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

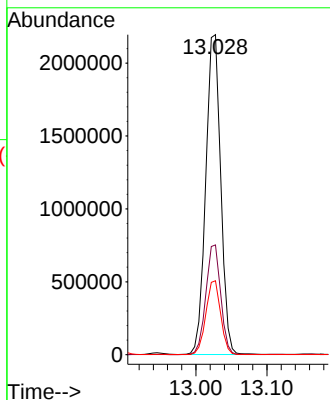
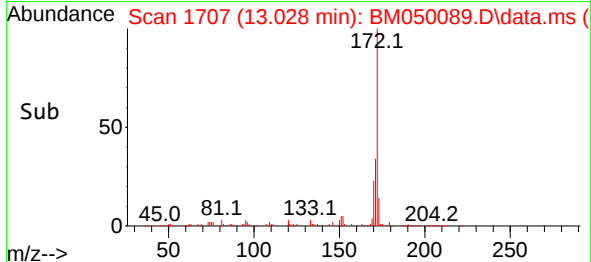
Instrument :
BNA_M
ClientSampleId :



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

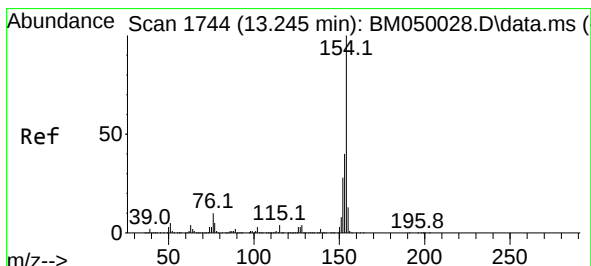
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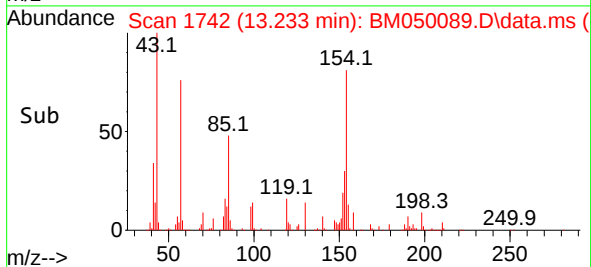
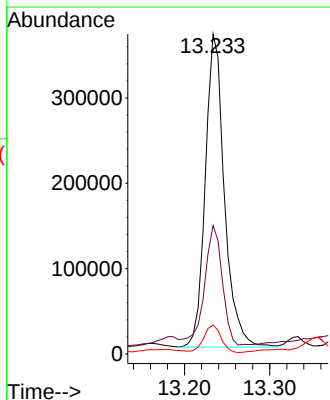
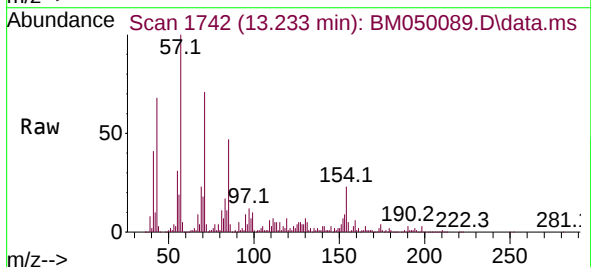
05/05/2025
Supervised By :Jagrut
Upadhyay

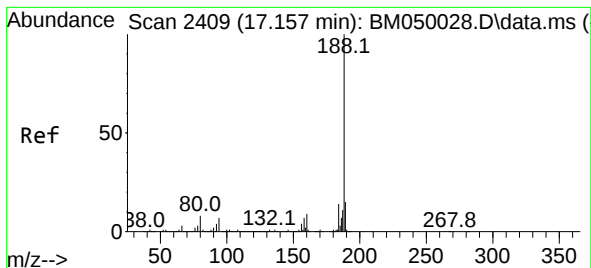
05/05/2025



#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

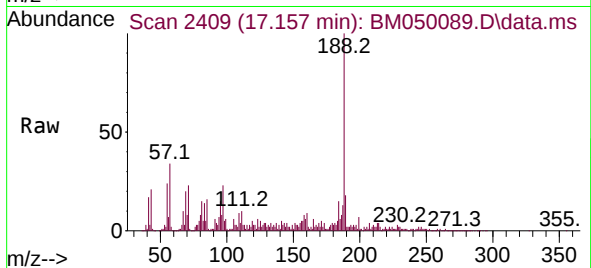
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Ion Ratio Lower Upper
154 100
153 40.1 20.0 60.0
76 9.1 0.0 30.3





#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

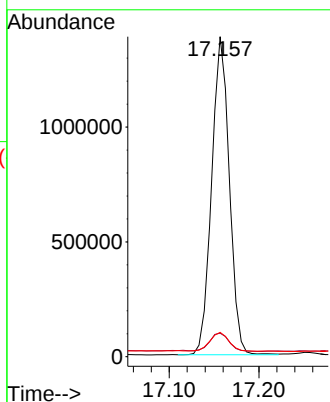
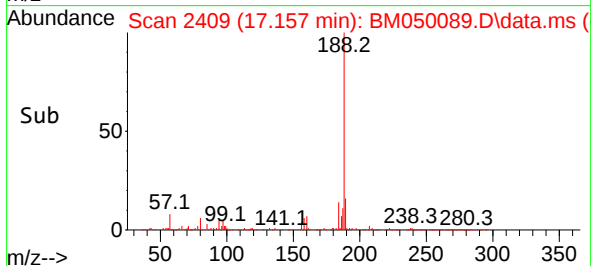
Instrument :
BNA_M
ClientSampleId :



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

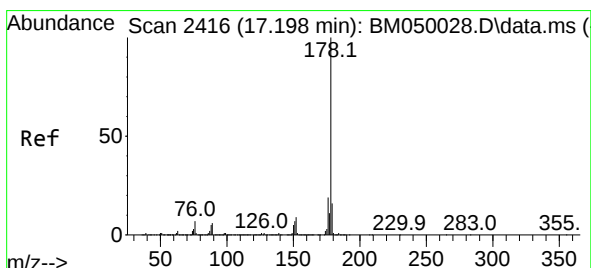
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Chavli



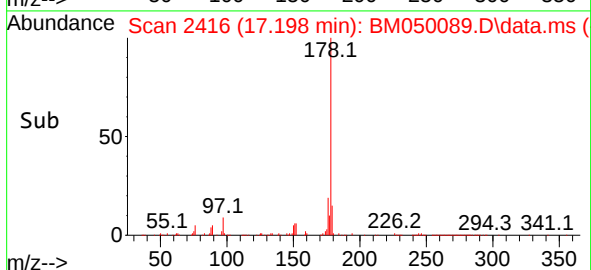
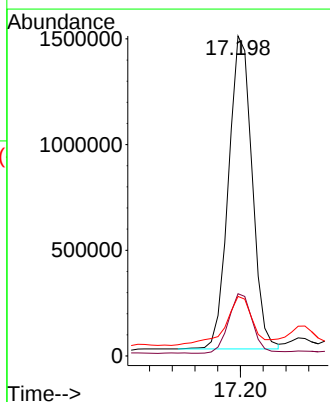
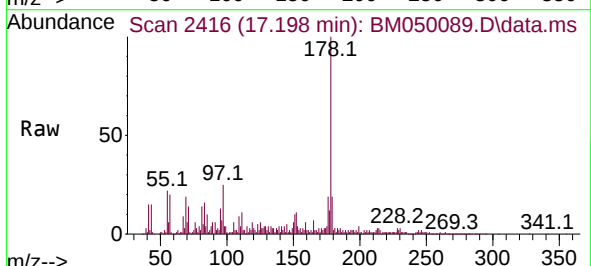
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Supervised By :Jagrut
Upadhyay

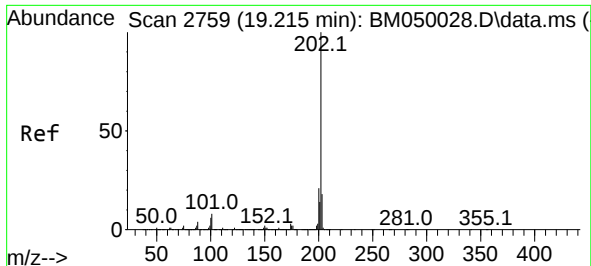
05/05/2025



#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

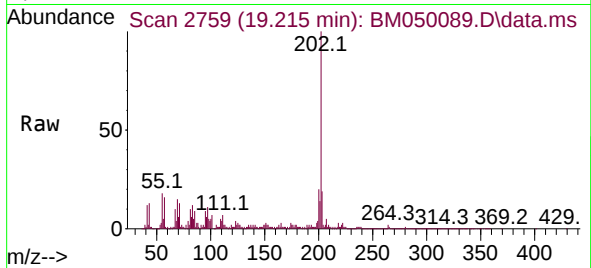
Tgt Ion:178 Resp: 2127512
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 18.6 12.4 18.6#





#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

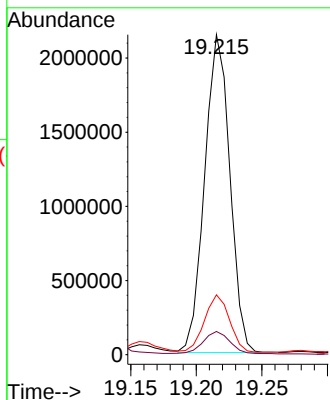
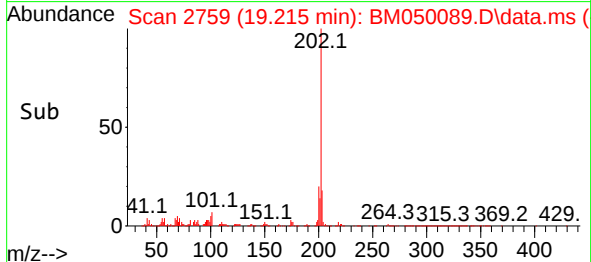
Instrument :
BNA_M
ClientSampleId :



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

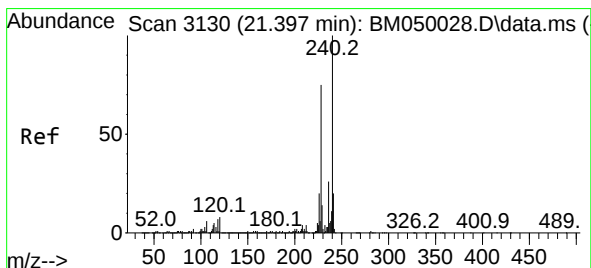
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APPROVED

Reviewed By :Rahul
Chavli

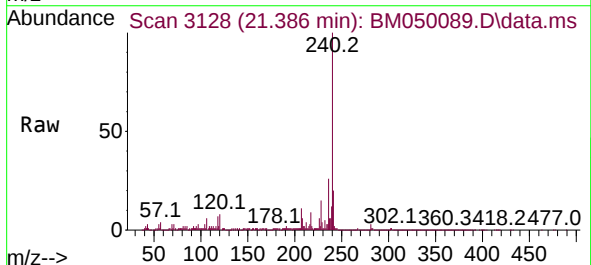


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Upadhyay

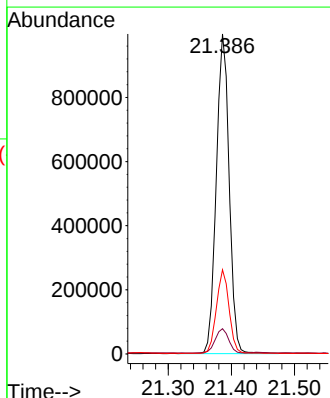
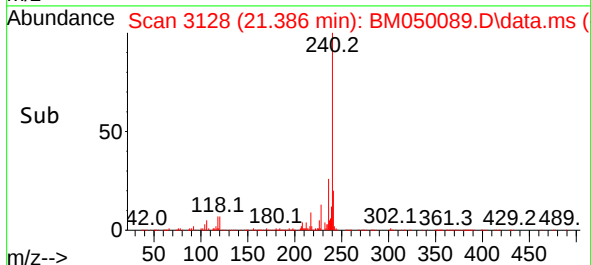
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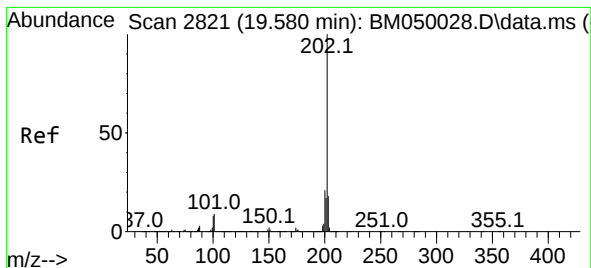


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17



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

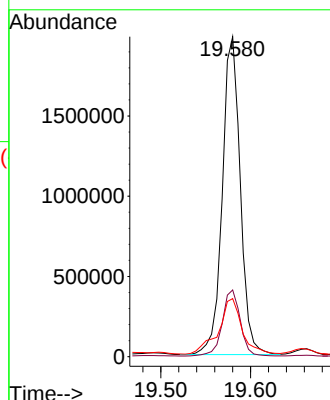
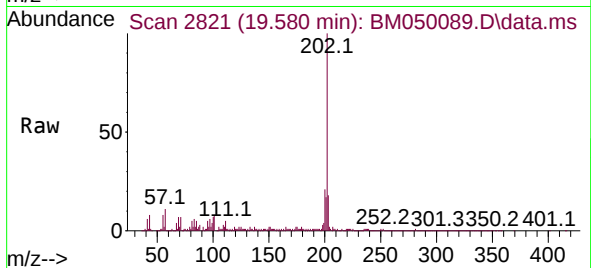
ClientSampleId :

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

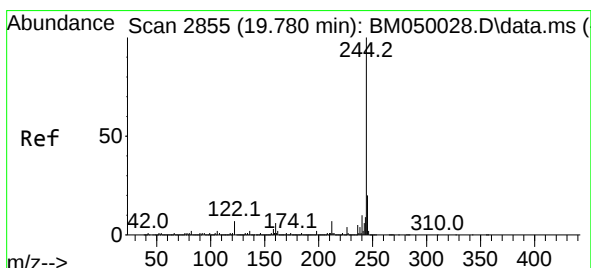
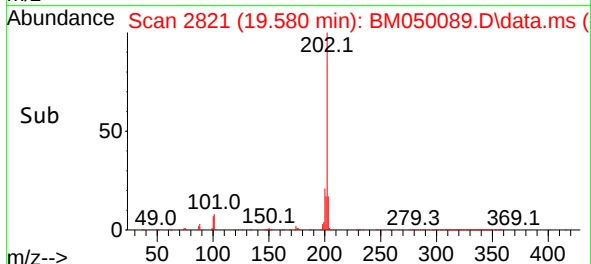
Manual Integrations
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Reviewed By :Rahul
Chavli



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Upadhyay

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#79

Terphenyl-d14

Concen: 44.488 ng

RT: 19.780 min Scan# 2855

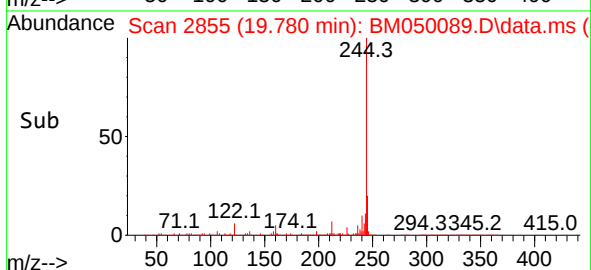
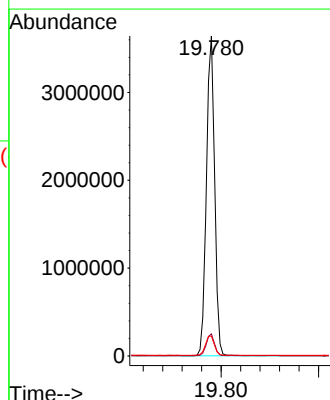
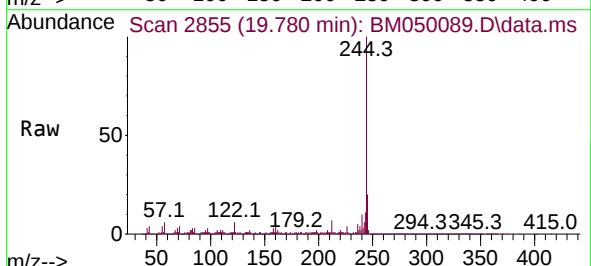
Delta R.T. 0.000 min

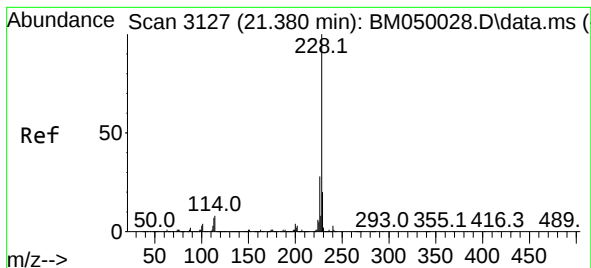
Lab File: BM050089.D

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 :

Tgt Ion:228 Resp: 99396

Ion Ratio Lower Upper

228 100

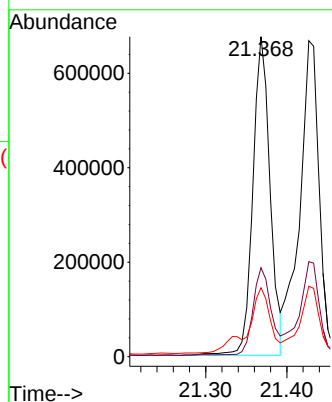
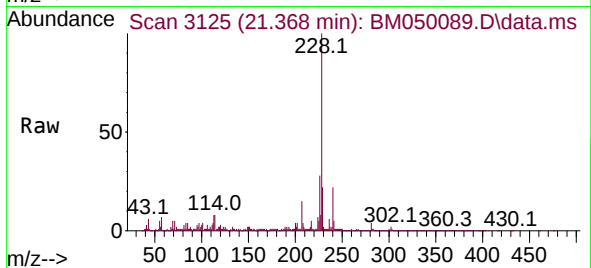
226 27.8 22.1 33.1

229 21.6 15.7 23.5

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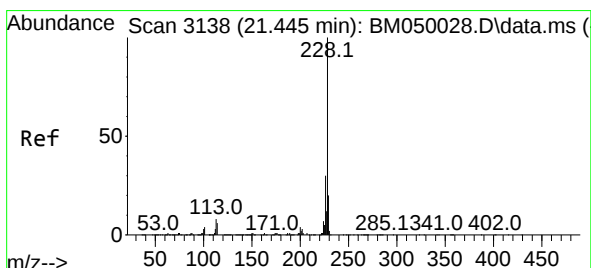
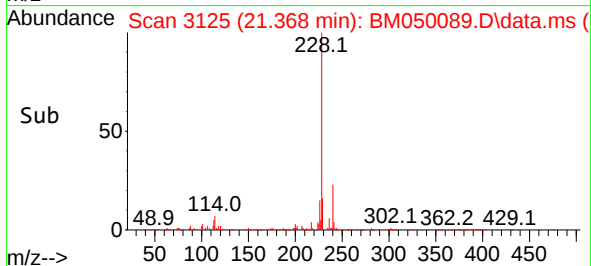
APPROVED

Reviewed By :Rahul
Chavli



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Supervised By :Jagrut
Upadhyay

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#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

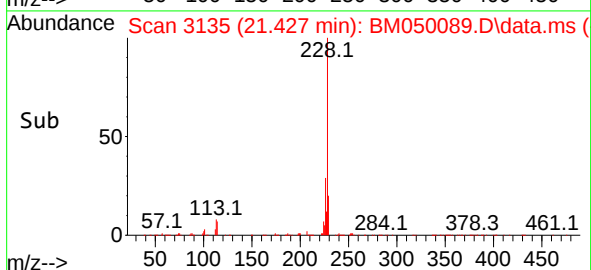
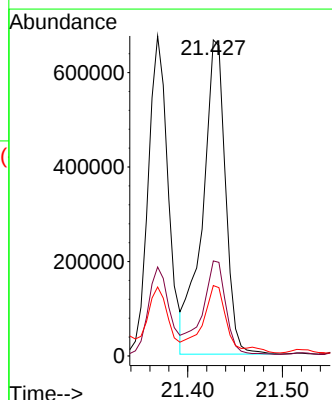
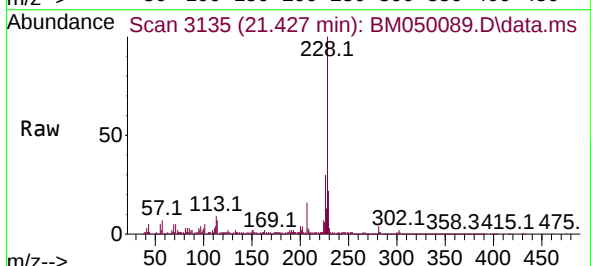
Tgt Ion:228 Resp: 1120290

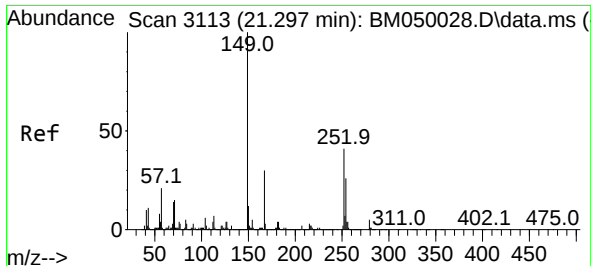
Ion Ratio Lower Upper

228 100

226 30.1 24.2 36.2

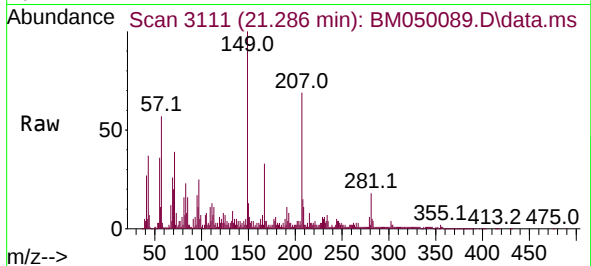
229 22.3 15.7 23.5





#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

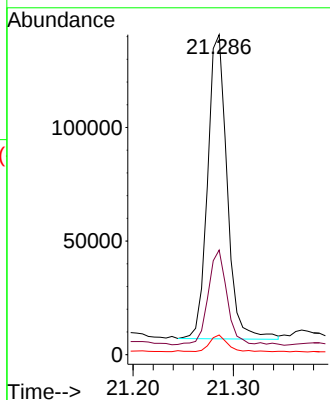
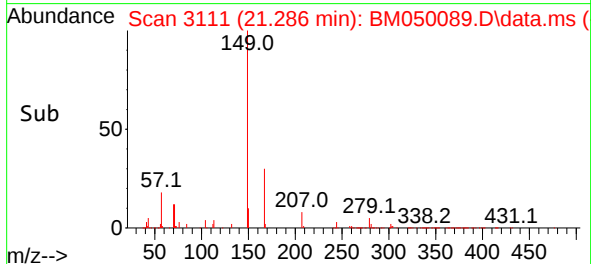
Instrument :
BNA_M
ClientSampleId :



Tgt Ion:149 Resp: 18071
Ion Ratio Lower Upper
149 100
167 32.7 24.1 36.1
279 6.1 3.9 5.9

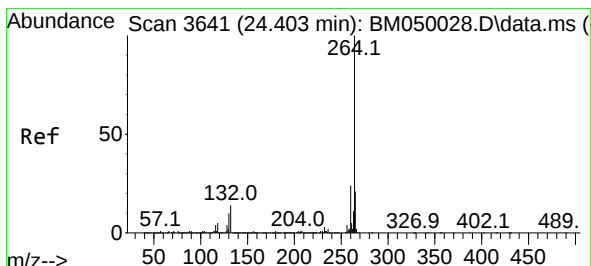
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Chavli



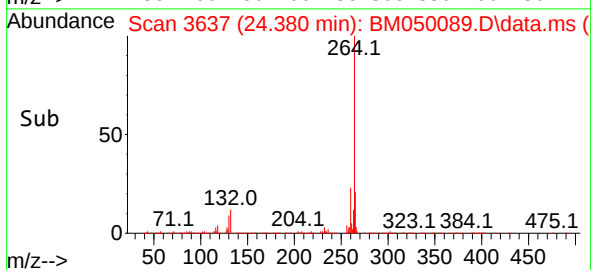
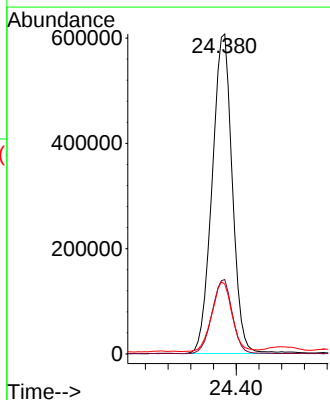
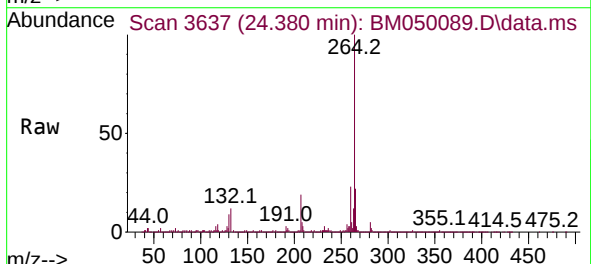
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Upadhyay

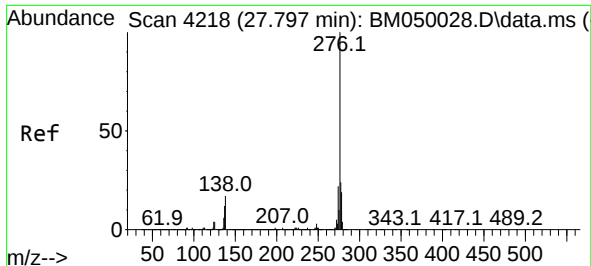
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#86
Perylene-d12
Concen: 20.000 ng
RT: 24.380 min Scan# 3637
Delta R.T. -0.023 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

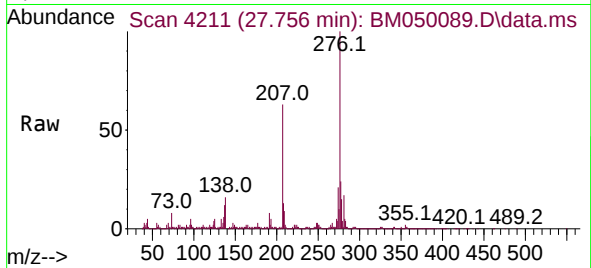
Tgt Ion:264 Resp: 1490251
Ion Ratio Lower Upper
264 100
260 23.3 18.8 28.2
265 21.8 17.0 25.4





#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

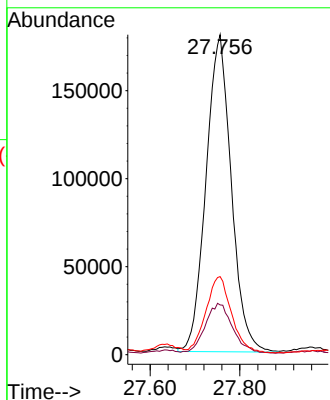
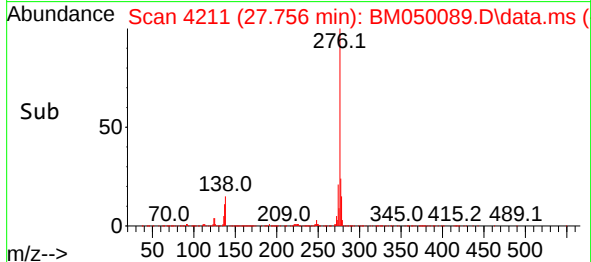
Instrument :
BNA_M
ClientSampleId :



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

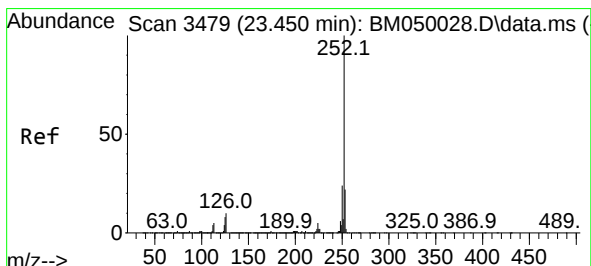
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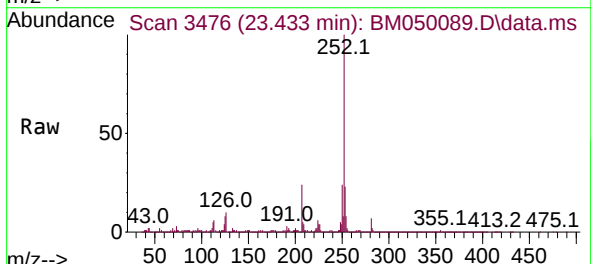


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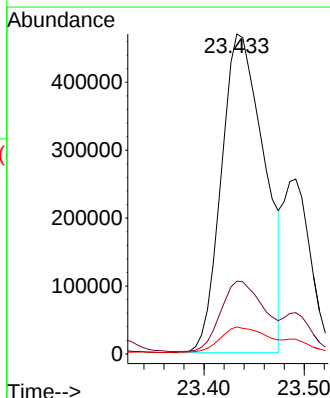
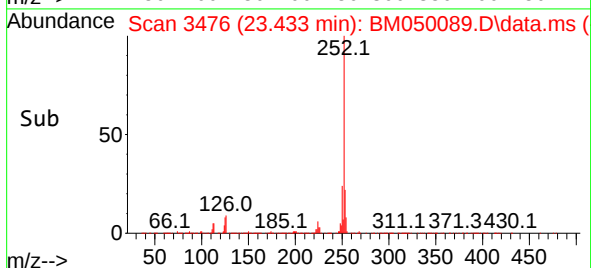
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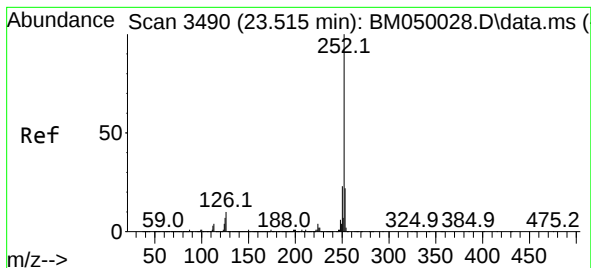


#88
Benzo(b)fluoranthene
Concen: 14.442 ng
RT: 23.433 min Scan# 3476
Delta R.T. -0.018 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17



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# 34

Delta R.T. -0.023 min

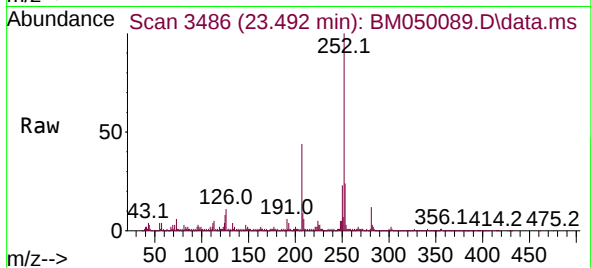
Lab File: BM050089.D

Acq: 02 May 2025 17:17

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:252 Resp: 489824

Ion Ratio Lower Upper

252 100

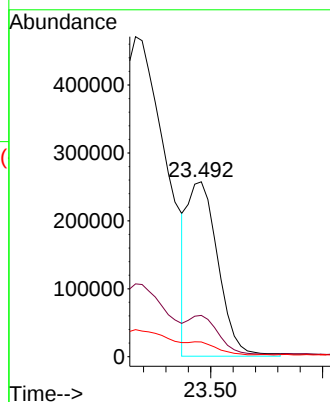
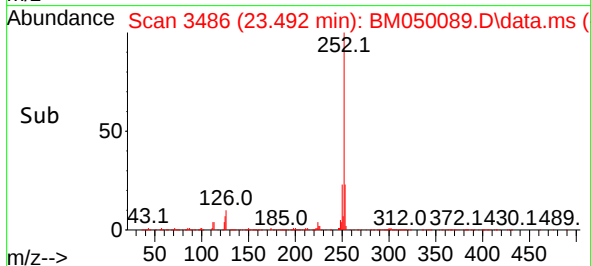
253 23.6 17.4 26.2

125 8.4 5.8 8.8

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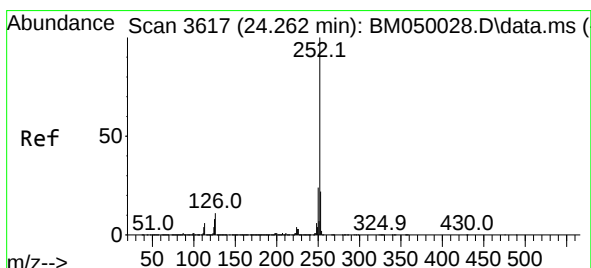
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Reviewed By :Rahul
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#90

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

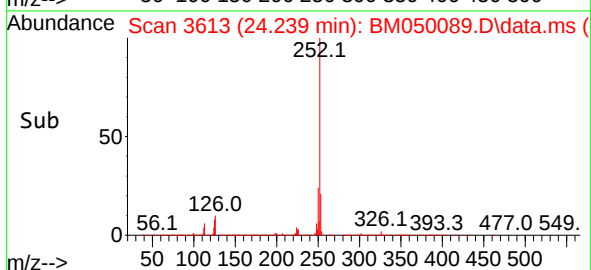
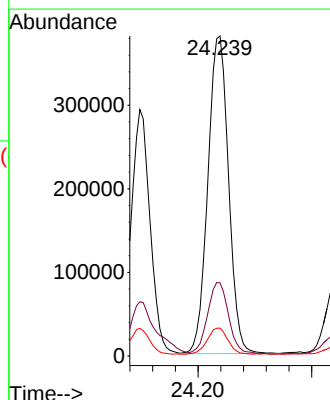
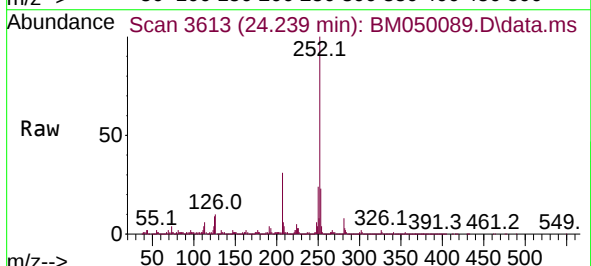
Tgt Ion:252 Resp: 958358

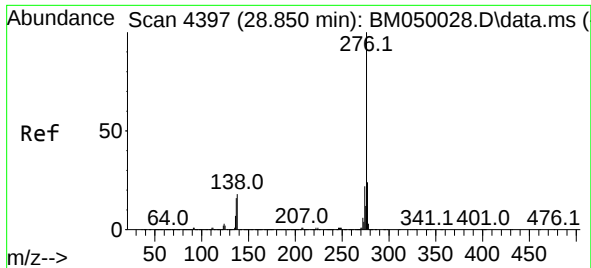
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

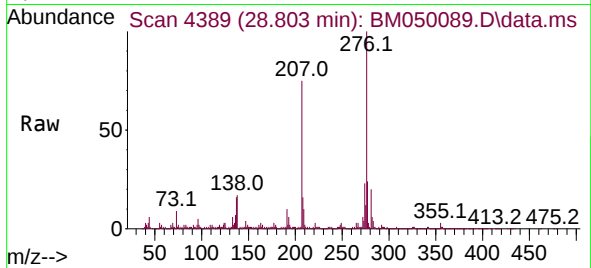
125 8.7 6.6 9.8





#92
Benzo(g,h,i)perylene
Concen: 7.876 ng
RT: 28.803 min Scan# 41
Delta R.T. -0.047 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

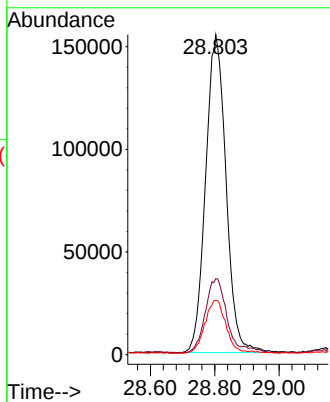
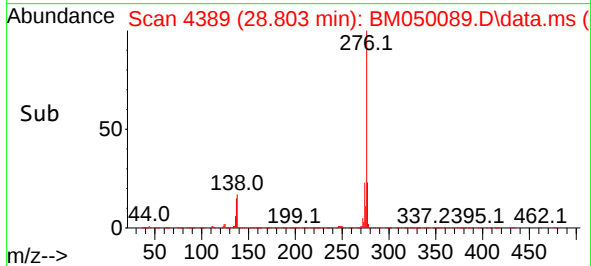
Instrument :
BNA_M
ClientSampleId :



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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Chavli



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Supervised By :Jagrut
Upadhyay

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