

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050087.D
 Acq On : 02 May 2025 15:58
 Operator : RC/JU
 Sample : Q1914-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-3

Manual Integrations
 APPROVED

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

Quant Time: May 02 16:55:15 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	7.746	152	526968	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1918378	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	1321220	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	2453882	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1539109	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1571300	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	2501393	83.119	ng	-0.02
7) Phenol-d6	6.934	99	3287262	86.909	ng	-0.02
23) Nitrobenzene-d5	8.910	82	1983088	50.939	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	1829444	93.645	ng	-0.01
45) 2-Fluorobiphenyl	13.016	172	5532951	49.541	ng	-0.02
79) Terphenyl-d14	19.768	244	5901667	56.740	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.186	178	992681	7.172	ng	99
75) Fluoranthene	19.204	202	1614052	9.933	ng	99
78) Pyrene	19.568	202	1332361	12.327	ng	99
81) Benzo(a)anthracene	21.362	228	605254	5.711	ng	98
83) Chrysene	21.427	228	564813	5.758	ng	98
84) Bis(2-ethylhexyl)phtha...	21.280	149	275035	4.549	ng	100
87) Indeno(1,2,3-cd)pyrene	27.750	276	419737	3.585	ng	97
88) Benzo(b)fluoranthene	23.433	252	745476	7.295	ng	# 97
89) Benzo(k)fluoranthene	23.486	252	279421m	2.703	ng	
90) Benzo(a)pyrene	24.233	252	540093	5.643	ng	97
92) Benzo(g,h,i)perylene	28.803	276	464326	5.082	ng	99

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

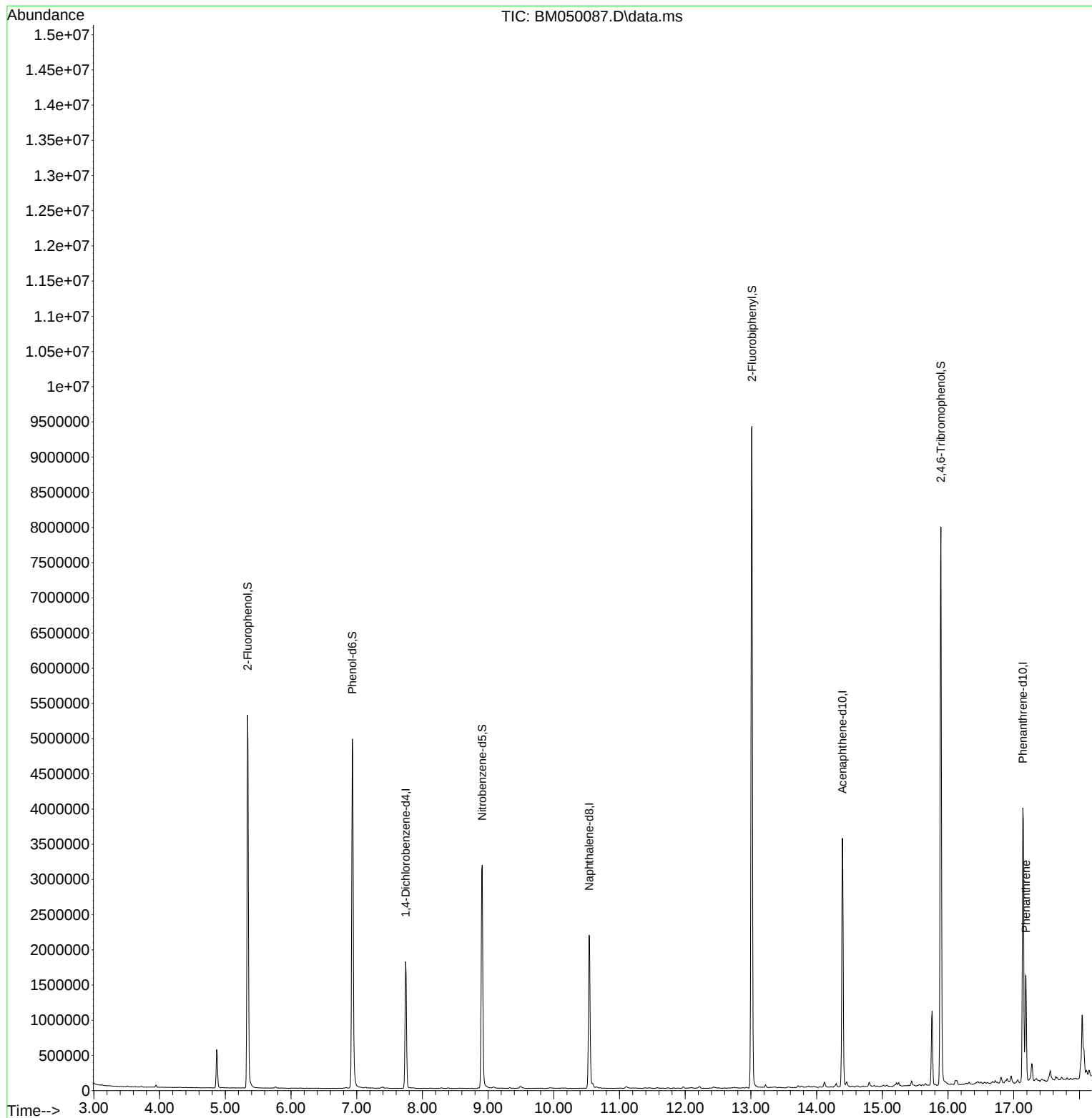
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050087.D
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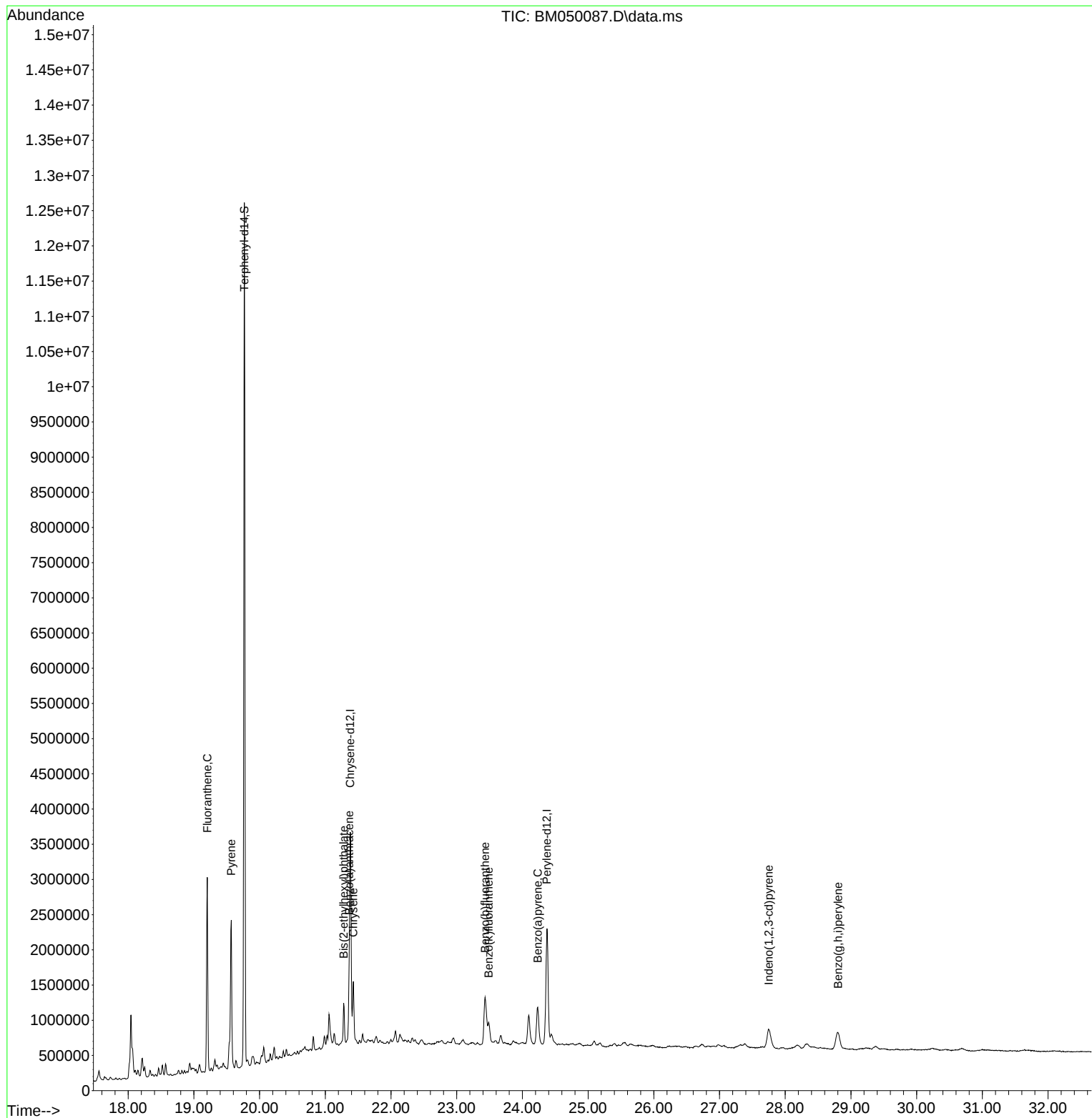
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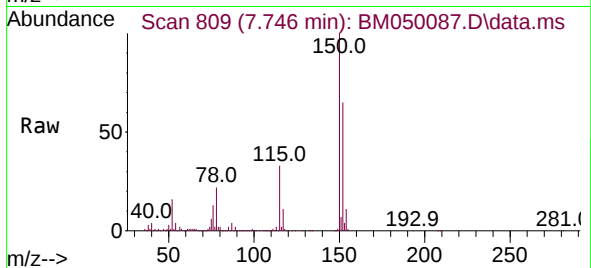
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.746 min Scan# 809
Delta R.T. -0.023 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

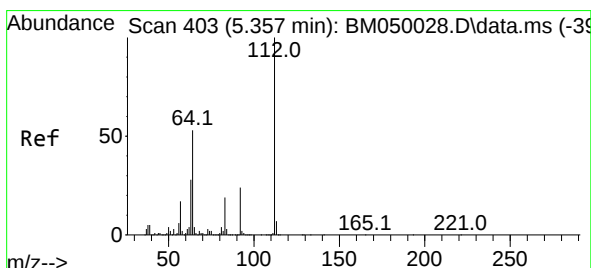
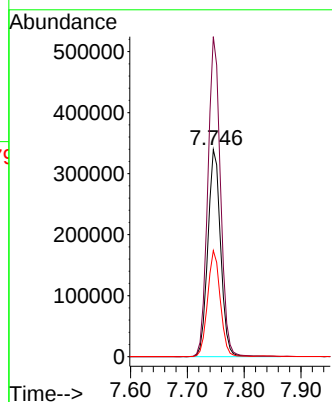
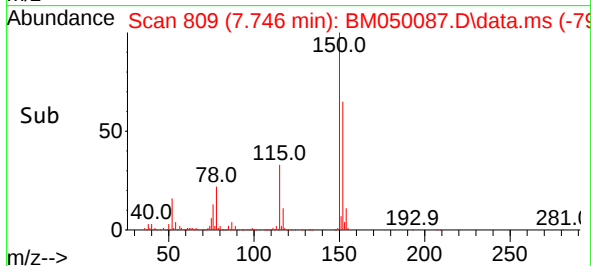
Instrument :
BNA_M
ClientSampleId :
SS-3



Tgt Ion:152 Resp: 526968
Ion Ratio Lower Upper
152 100
150 154.6 124.1 186.1
115 51.3 41.2 61.8

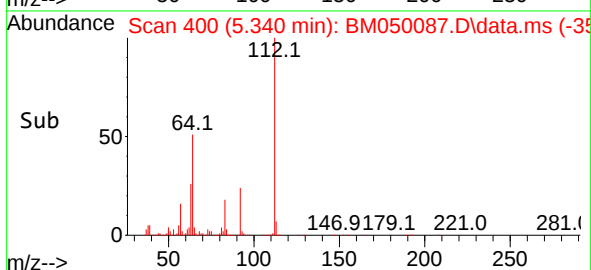
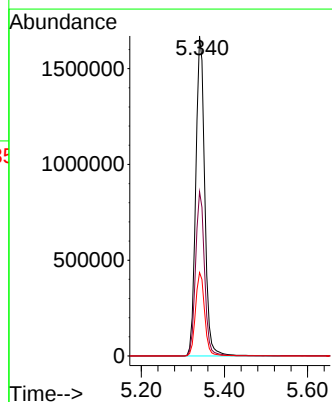
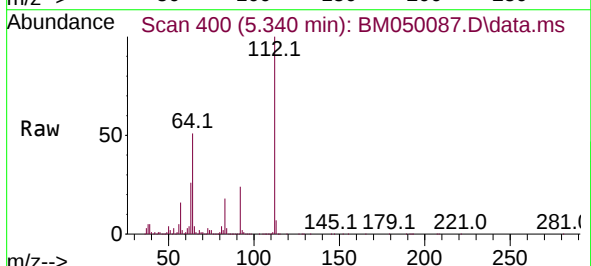
Manual Integrations
APPROVED

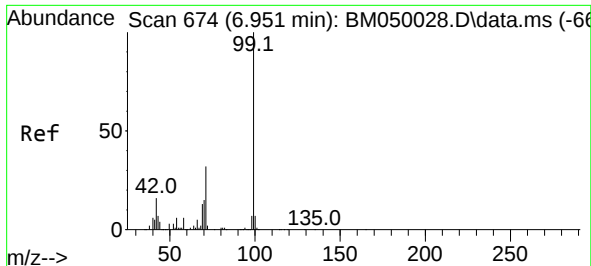
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#5
2-Fluorophenol
Concen: 83.119 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

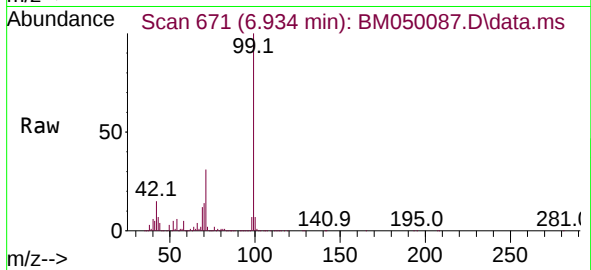
Tgt Ion:112 Resp: 2501393
Ion Ratio Lower Upper
112 100
64 51.3 42.6 64.0
63 26.1 22.2 33.4





#7
Phenol-d6
Concen: 86.909 ng
RT: 6.934 min Scan# 674
Delta R.T. -0.018 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

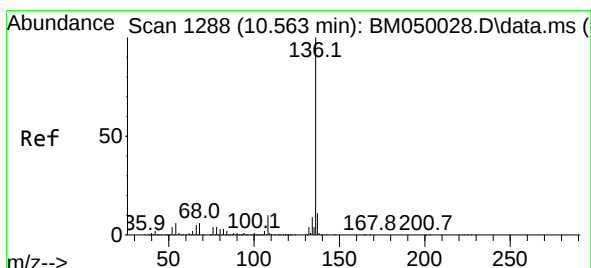
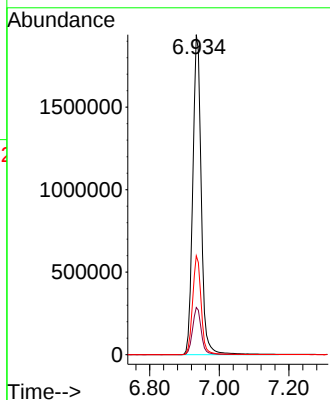
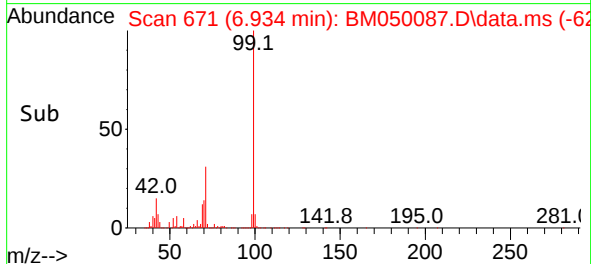
Instrument :
BNA_M
ClientSampleId :
SS-3



Tgt Ion: 99 Resp: 328726
Ion Ratio Lower Upper
99 100
42 14.7 13.0 19.4
71 30.9 25.6 38.4

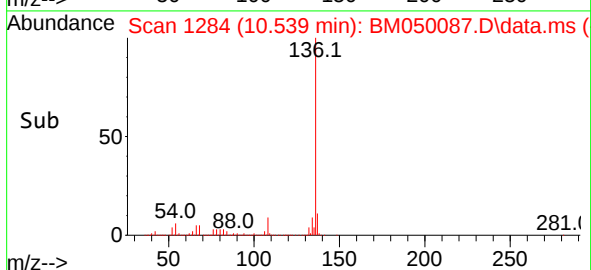
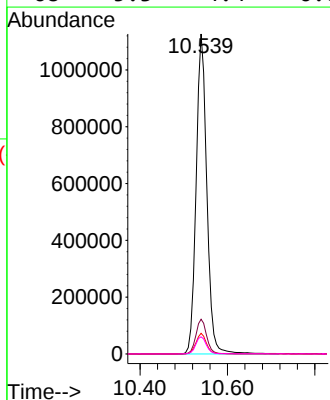
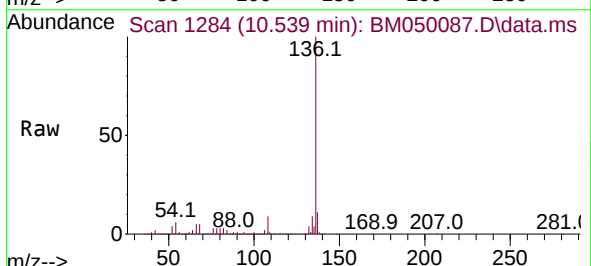
Manual Integrations
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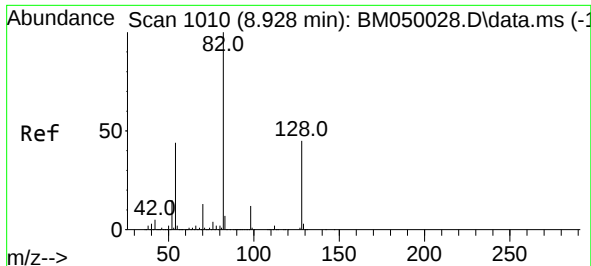
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

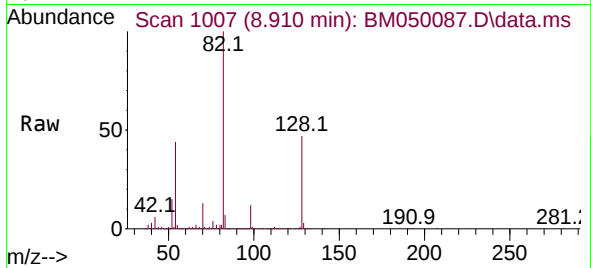
Tgt Ion:136 Resp: 1918378
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.4 5.1 7.7
68 5.3 4.4 6.6





#23
Nitrobenzene-d5
Concen: 50.939 ng
RT: 8.910 min Scan# 1010
Delta R.T. -0.018 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

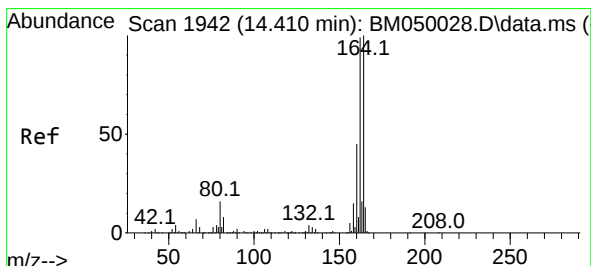
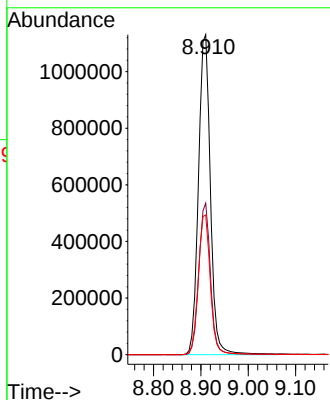
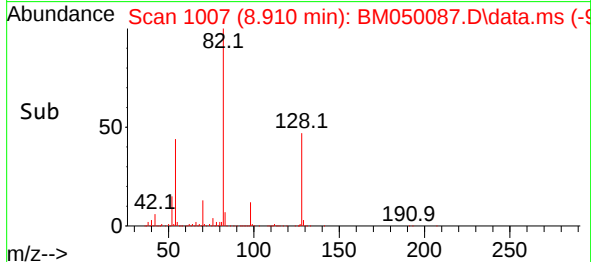
Instrument :
BNA_M
ClientSampleId :
SS-3



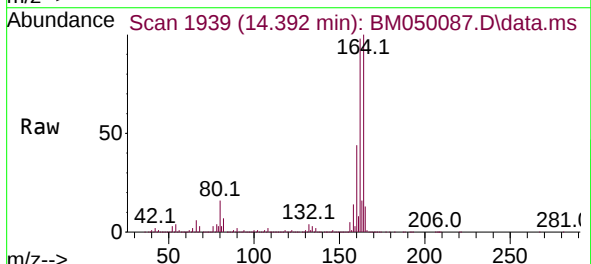
Tgt Ion: 82 Resp: 198308
Ion Ratio Lower Upper
82 100
128 47.4 35.7 53.5
54 43.7 35.4 53.2

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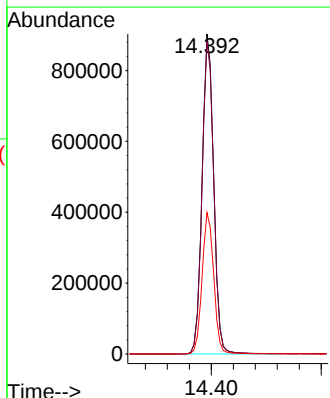
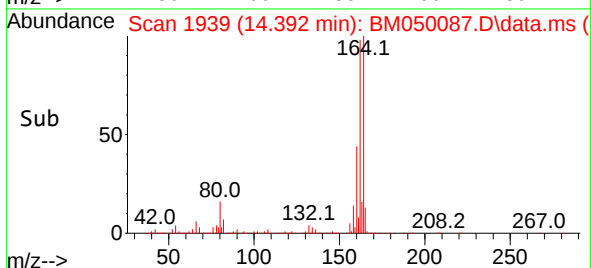
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

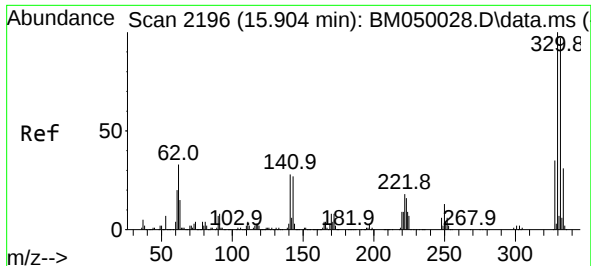


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58



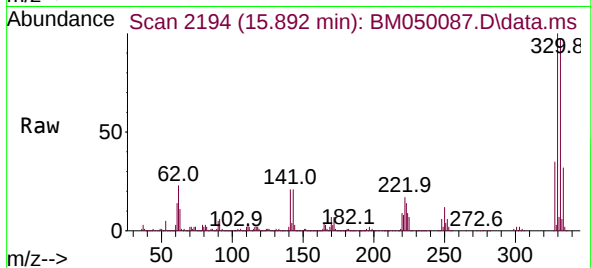
Tgt Ion:164 Resp: 1321220
Ion Ratio Lower Upper
164 100
162 97.7 79.4 119.0
160 44.2 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 93.645 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

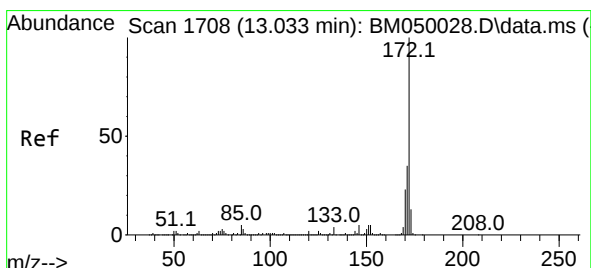
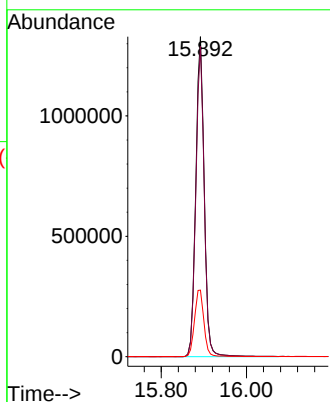
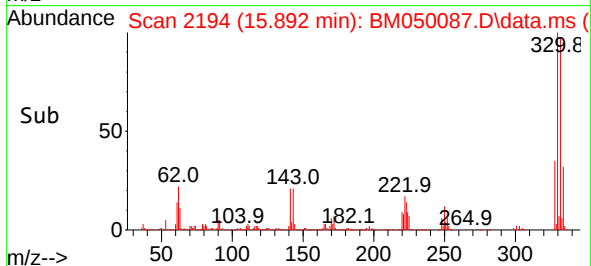
Instrument :
BNA_M
ClientSampleId :
SS-3



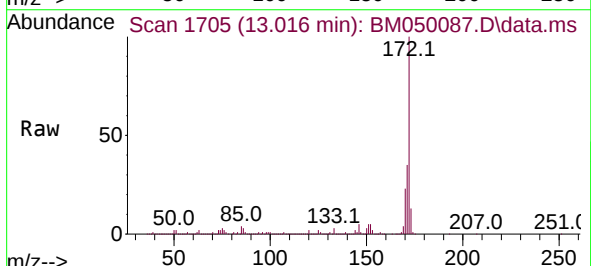
Tgt Ion:330 Resp: 182944
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 23.2 22.5 33.7

Manual Integrations
APPROVED

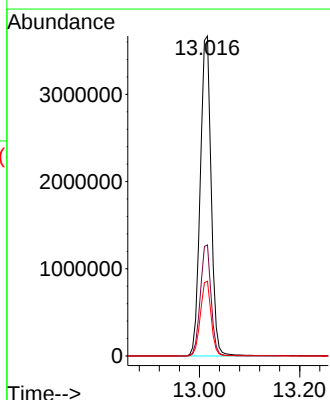
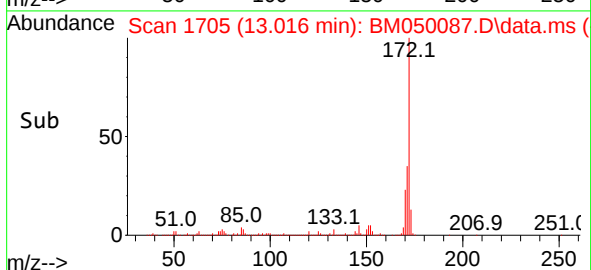
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

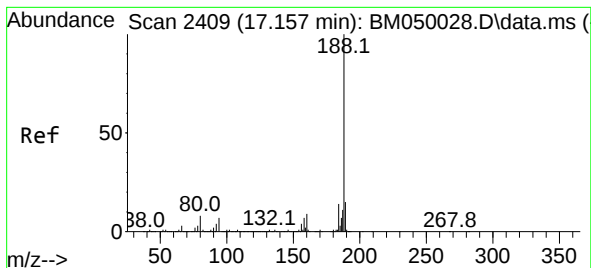


#45
2-Fluorobiphenyl
Concen: 49.541 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.018 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58



Tgt Ion:172 Resp: 5532951
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 23.4 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: BM050087.D

Acq: 02 May 2025 15:58

Instrument :

BNA_M

ClientSampleId :

SS-3

Tgt Ion:188 Resp: 245388

Ion Ratio Lower Upper

188 100

94 7.1 5.7 8.5

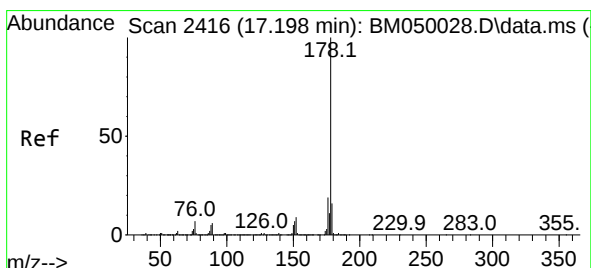
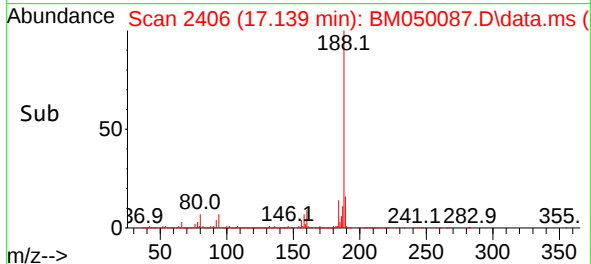
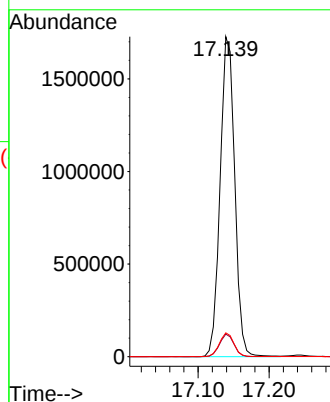
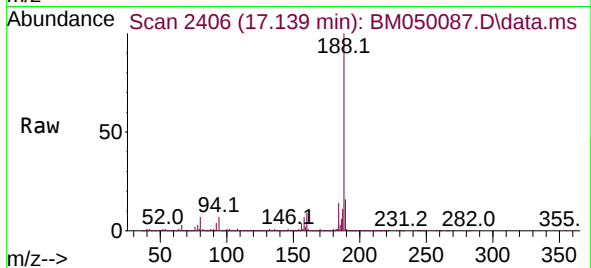
80 7.5 6.2 9.4

Manual Integrations

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Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025



#71

Phenanthrene

Concen: 7.172 ng

RT: 17.186 min Scan# 2414

Delta R.T. -0.012 min

Lab File: BM050087.D

Acq: 02 May 2025 15:58

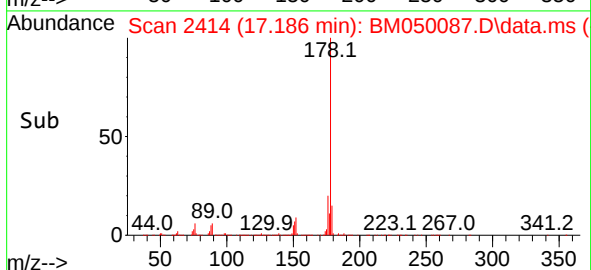
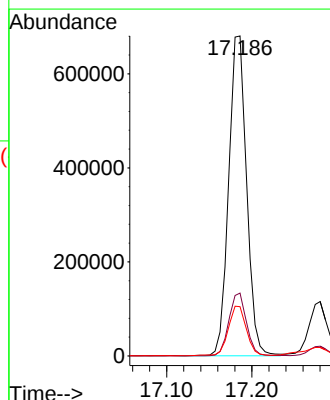
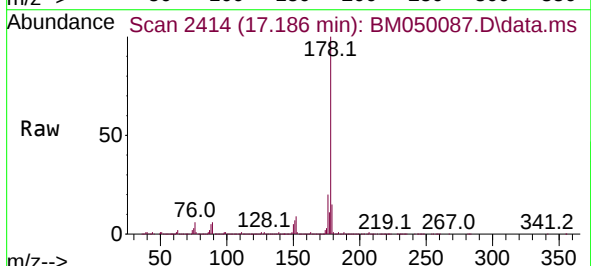
Tgt Ion:178 Resp: 992681

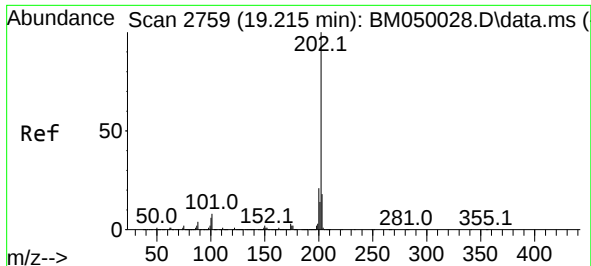
Ion Ratio Lower Upper

178 100

176 19.6 15.3 22.9

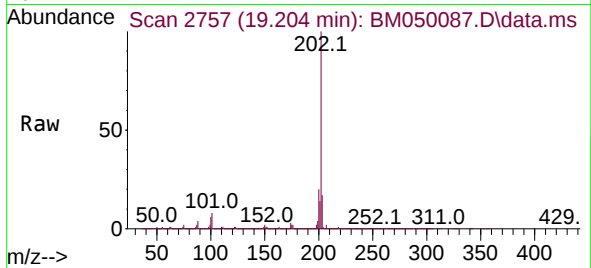
179 15.4 12.4 18.6





#75
Fluoranthene
Concen: 9.933 ng
RT: 19.204 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

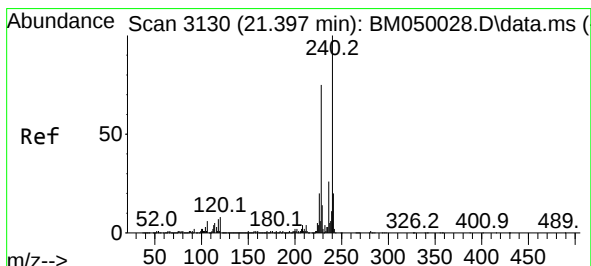
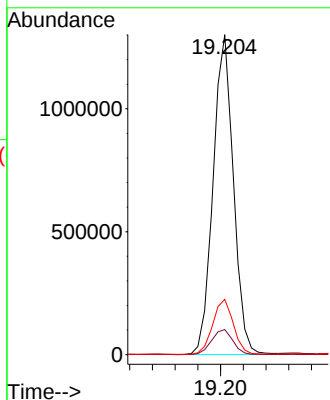
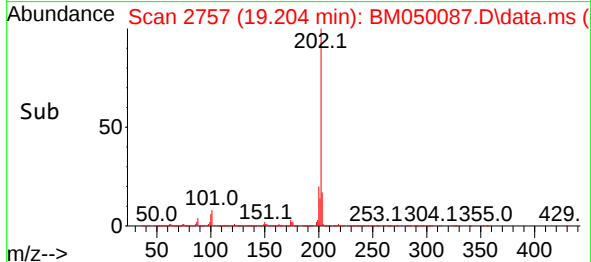
Instrument :
BNA_M
ClientSampleId :
SS-3



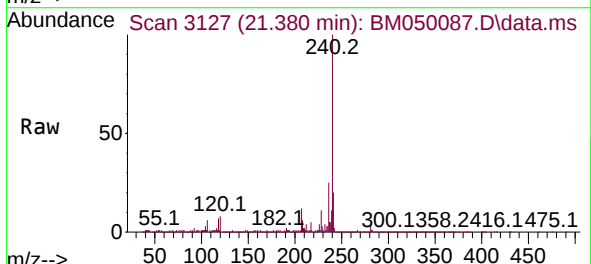
Tgt Ion:202 Resp: 1614052
Ion Ratio Lower Upper
202 100
101 7.9 0.0 28.0
203 17.3 0.0 37.7

Manual Integrations
APPROVED

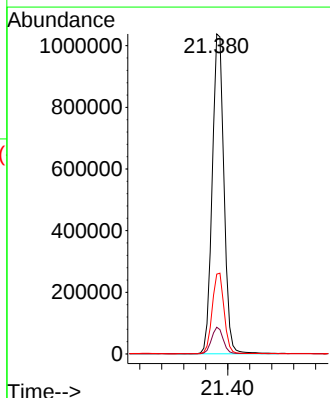
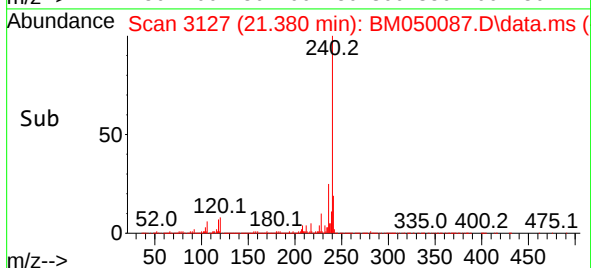
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

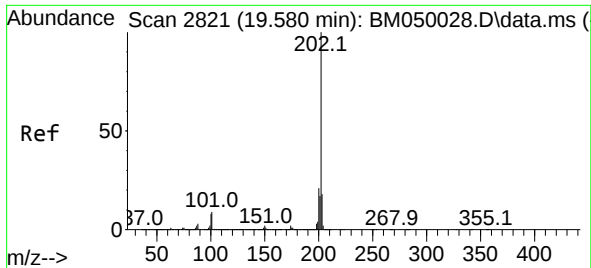


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.017 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58



Tgt Ion:240 Resp: 1539109
Ion Ratio Lower Upper
240 100
120 8.4 6.5 9.7
236 25.0 20.9 31.3





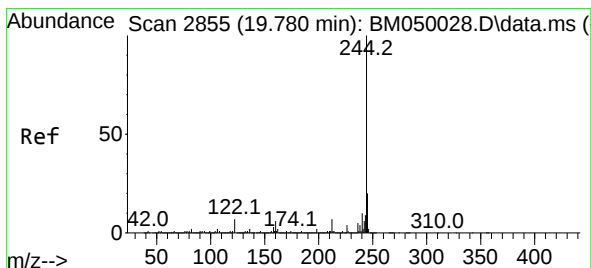
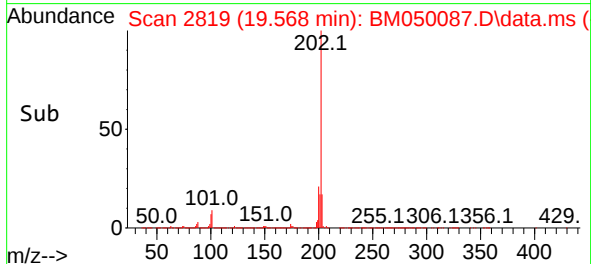
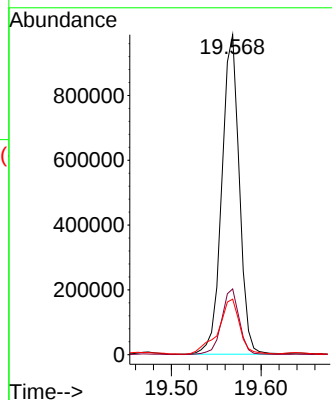
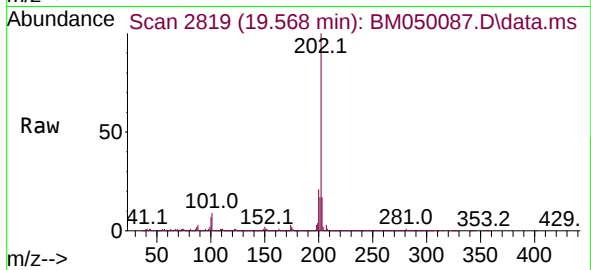
#78
Pyrene
Concen: 12.327 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.012 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

Instrument :
BNA_M
ClientSampleId :
SS-3

Tgt Ion:202 Resp: 133236
Ion Ratio Lower Upper
202 100
200 20.6 16.7 25.1
203 17.4 14.1 21.1

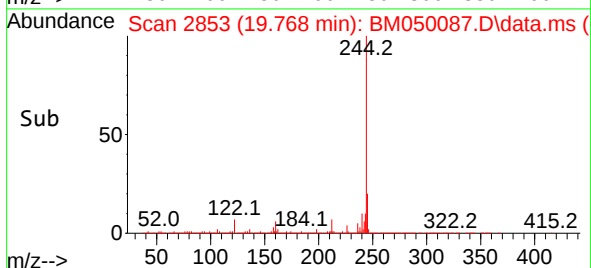
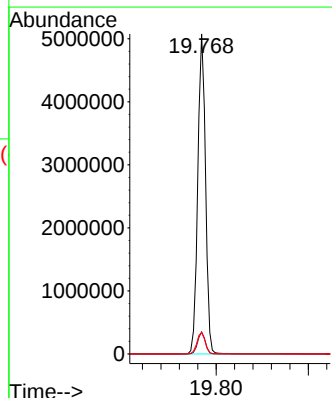
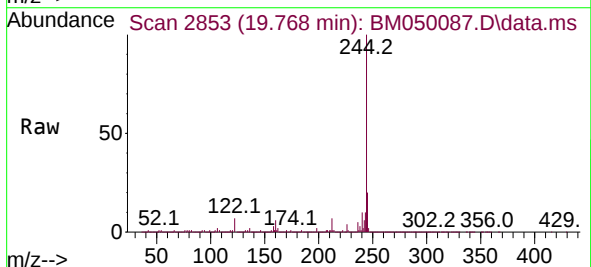
Manual Integrations
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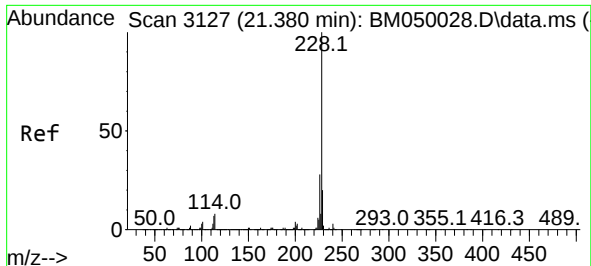
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#79
Terphenyl-d14
Concen: 56.740 ng
RT: 19.768 min Scan# 2853
Delta R.T. -0.012 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

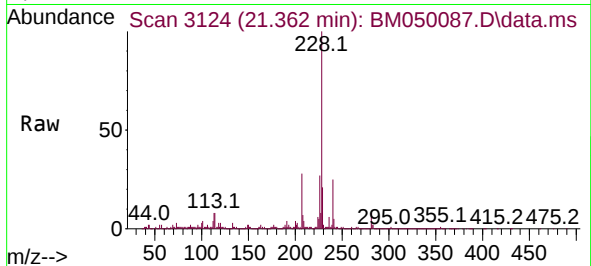
Tgt Ion:244 Resp: 5901667
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 6.7 5.6 8.4





#81
Benzo(a)anthracene
Concen: 5.711 ng
RT: 21.362 min Scan# 3124
Delta R.T. -0.018 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

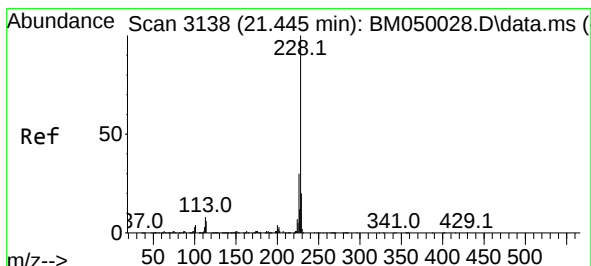
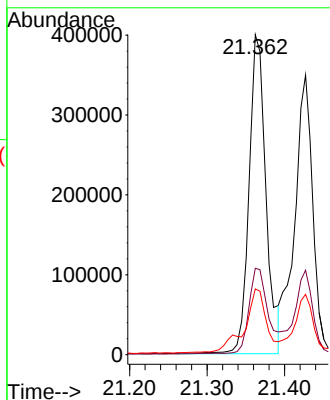
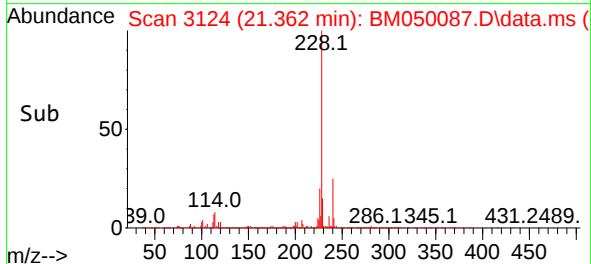
Instrument :
BNA_M
ClientSampleId :
SS-3



Tgt Ion:228 Resp: 605254
Ion Ratio Lower Upper
228 100
226 27.0 22.1 33.1
229 20.6 15.7 23.5

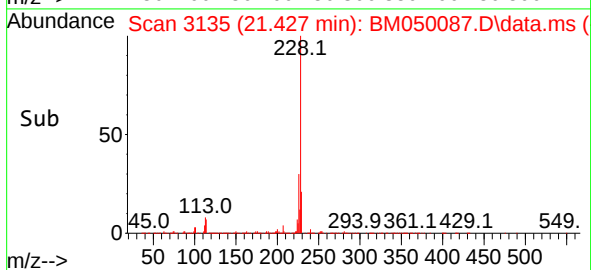
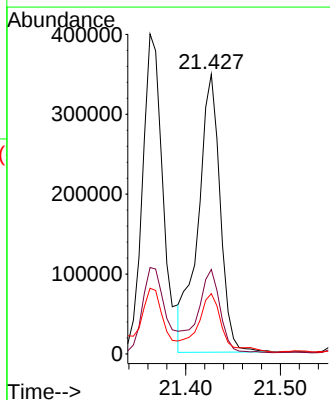
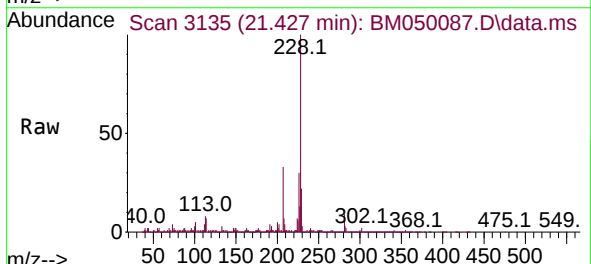
Manual Integrations
APPROVED

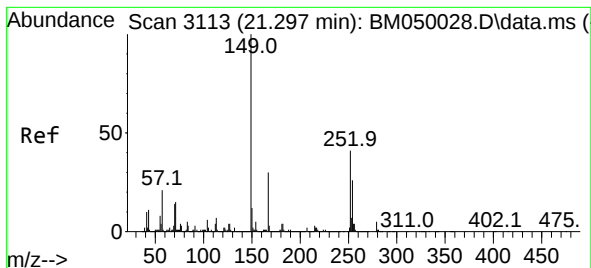
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#83
Chrysene
Concen: 5.758 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.018 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

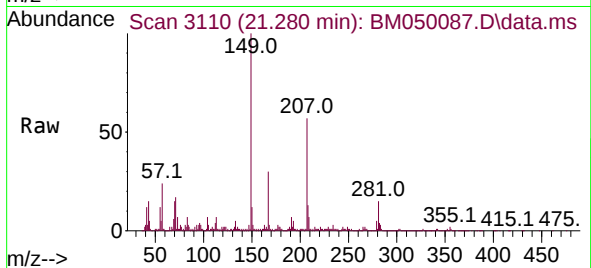
Tgt Ion:228 Resp: 564813
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.2
229 21.5 15.7 23.5





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.549 ng
RT: 21.280 min Scan# 3113
Delta R.T. -0.018 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58

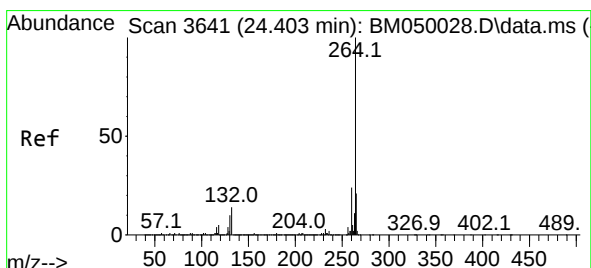
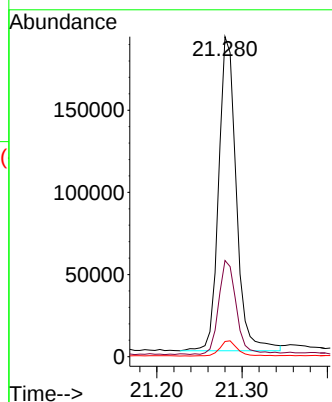
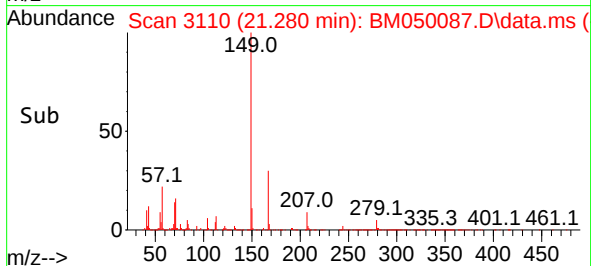
Instrument :
BNA_M
ClientSampleId :
SS-3



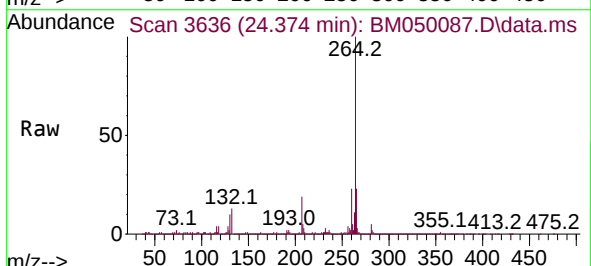
Tgt Ion:149 Resp: 275035
Ion Ratio Lower Upper
149 100
167 30.1 24.1 36.1
279 4.8 3.9 5.9

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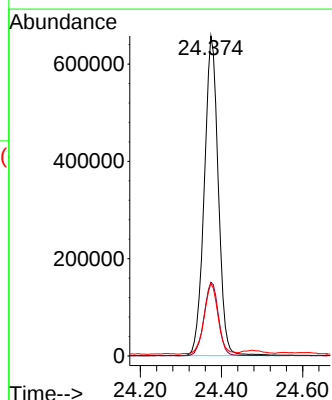
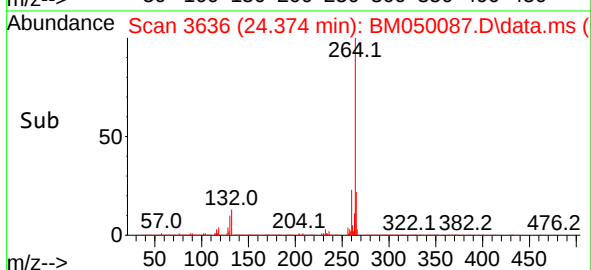
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

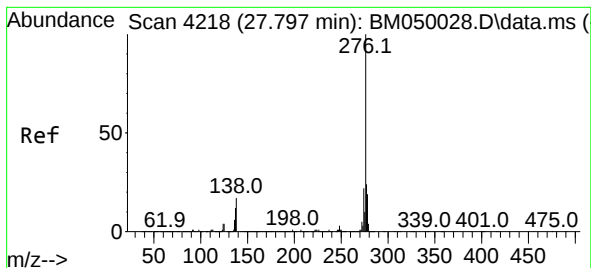


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. -0.029 min
Lab File: BM050087.D
Acq: 02 May 2025 15:58



Tgt Ion:264 Resp: 1571300
Ion Ratio Lower Upper
264 100
260 23.0 18.8 28.2
265 22.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.585 ng

RT: 27.750 min Scan# 41

Delta R.T. -0.047 min

Lab File: BM050087.D

Acq: 02 May 2025 15:58

Instrument :

BNA_M

ClientSampleId :

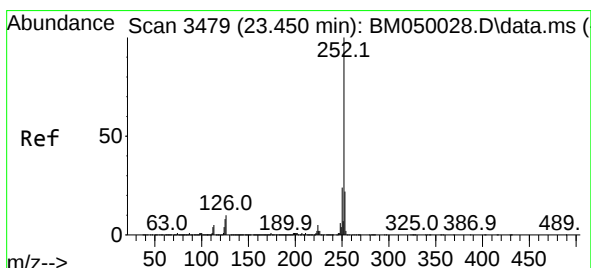
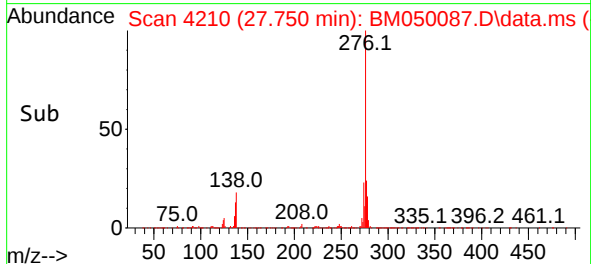
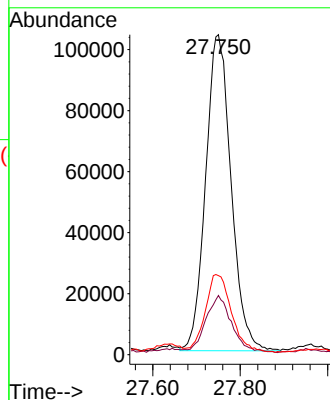
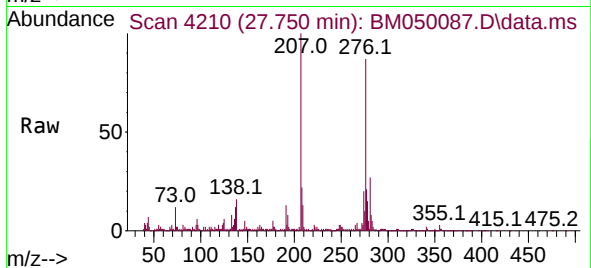
SS-3

Tgt Ion:276 Resp: 41973
 Ion Ratio Lower Upper
 276 100
 138 18.3 16.4 24.6
 277 25.5 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: 7.295 ng

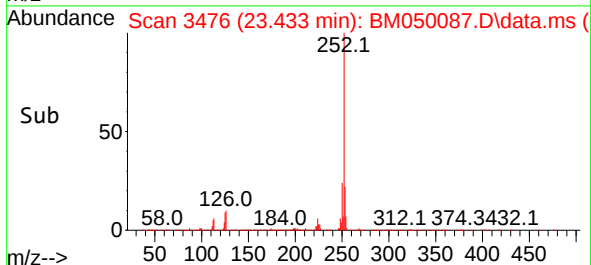
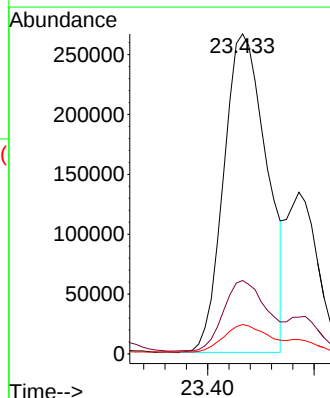
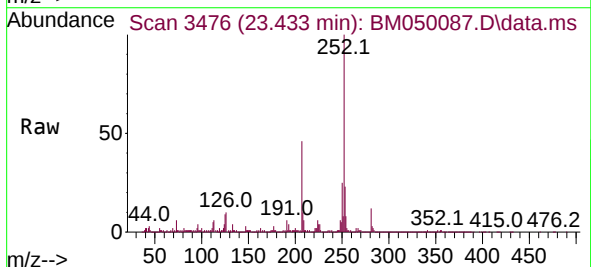
RT: 23.433 min Scan# 3476

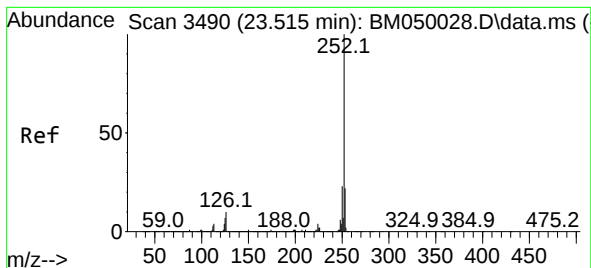
Delta R.T. -0.018 min

Lab File: BM050087.D

Acq: 02 May 2025 15:58

Tgt Ion:252 Resp: 745476
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.7 26.5
 125 9.2 6.1 9.1#





#89

Benzo(k)fluoranthene

Concen: 2.703 ng m

RT: 23.486 min Scan# 3490

Delta R.T. -0.029 min

Lab File: BM050087.D

Acq: 02 May 2025 15:58

Instrument :

BNA_M

ClientSampleId :

SS-3

Tgt Ion:252 Resp: 27942

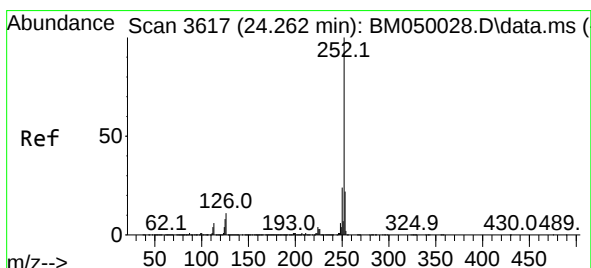
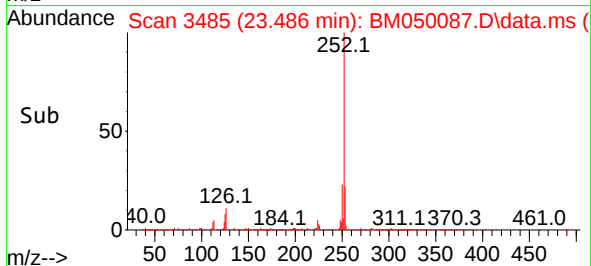
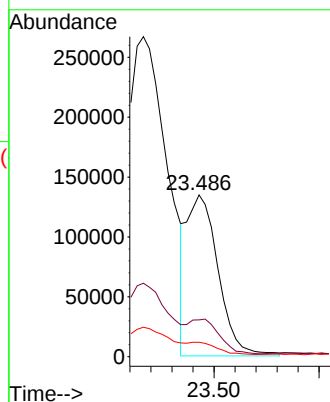
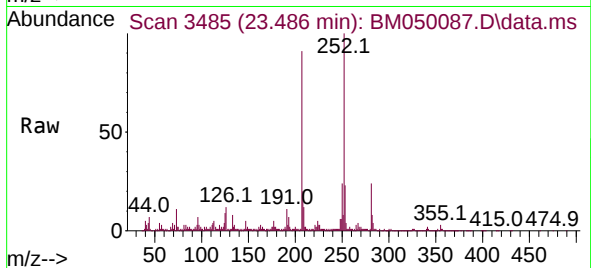
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	8.9	5.8	8.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025



#90

Benzo(a)pyrene

Concen: 5.643 ng

RT: 24.233 min Scan# 3612

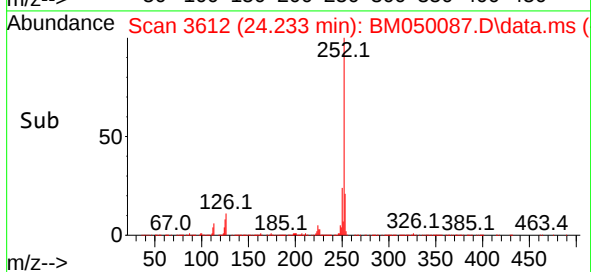
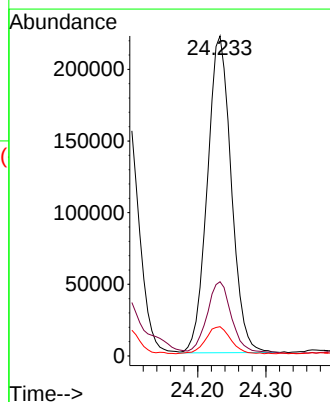
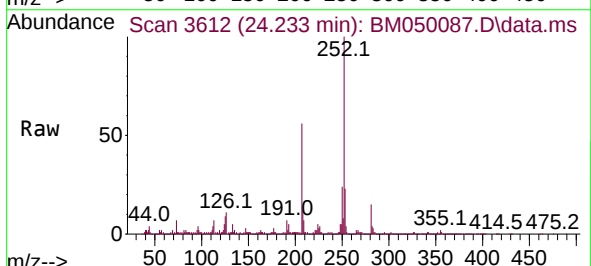
Delta R.T. -0.029 min

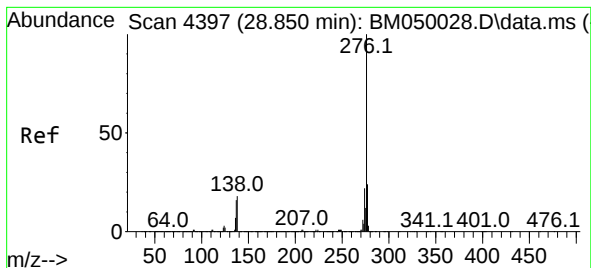
Lab File: BM050087.D

Acq: 02 May 2025 15:58

Tgt Ion:252 Resp: 540093

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	9.1	6.6	9.8





#92

Benzo(g,h,i)perylene

Concen: 5.082 ng

RT: 28.803 min Scan# 41

Delta R.T. -0.047 min

Lab File: BM050087.D

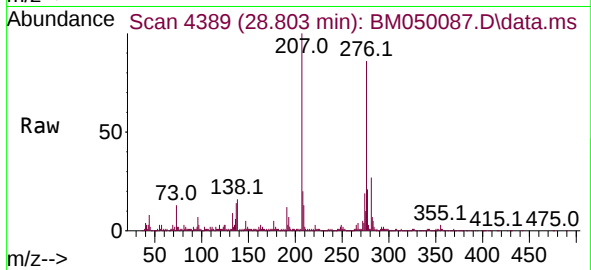
Acq: 02 May 2025 15:58

Instrument :

BNA_M

ClientSampleId :

SS-3



Tgt Ion: 276 Resp: 464320

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 18.4 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025

