

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050088.D
 Acq On : 02 May 2025 16:38
 Operator : RC/JU
 Sample : Q1907-01DL 25X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CO-8R-WCDL

Manual Integrations
 APPROVED

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

Quant Time: May 02 17:31:28 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	474607	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1790875	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	1279449	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	2693134	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	2096678	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1746089	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	88048	3.249	ng	-0.01
7) Phenol-d6	6.945	99	112598	3.305	ng	0.00
23) Nitrobenzene-d5	8.922	82	66734	1.836	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	60533	3.200	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	204649	1.892	ng	-0.02
79) Terphenyl-d14	19.768	244	302084	2.132	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.457	154	188263	2.739	ng	100
58) Fluorene	15.445	166	281210	3.004	ng	98
71) Phenanthrene	17.186	178	3962535	26.087	ng	100
72) Anthracene	17.274	178	874415	5.688	ng	99
75) Fluoranthene	19.203	202	4579979	25.682	ng	99
78) Pyrene	19.568	202	4191325	28.467	ng	100
81) Benzo(a)anthracene	21.368	228	1538059	10.653	ng	99
83) Chrysene	21.427	228	1371904	10.266	ng	98
84) Bis(2-ethylhexyl)phtha...	21.286	149	232417	2.822	ng	100
87) Indeno(1,2,3-cd)pyrene	27.750	276	638336	4.906	ng	96
88) Benzo(b)fluoranthene	23.433	252	1315706	11.587	ng	99
89) Benzo(k)fluoranthene	23.485	252	428012m	3.726	ng	
90) Benzo(a)pyrene	24.232	252	1004868	9.448	ng	97
92) Benzo(g,h,i)perylene	28.803	276	635374	6.258	ng	98

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

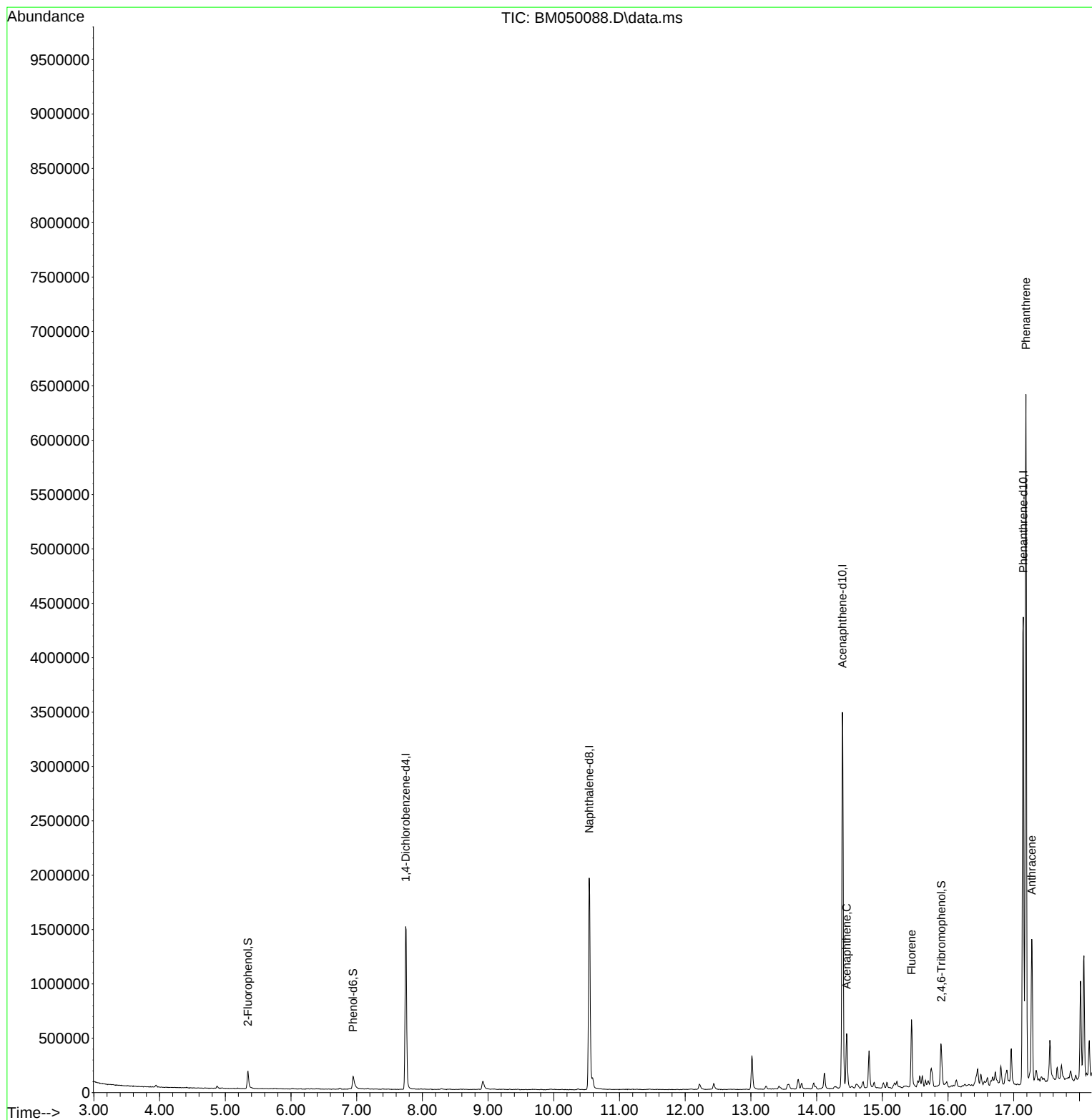
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
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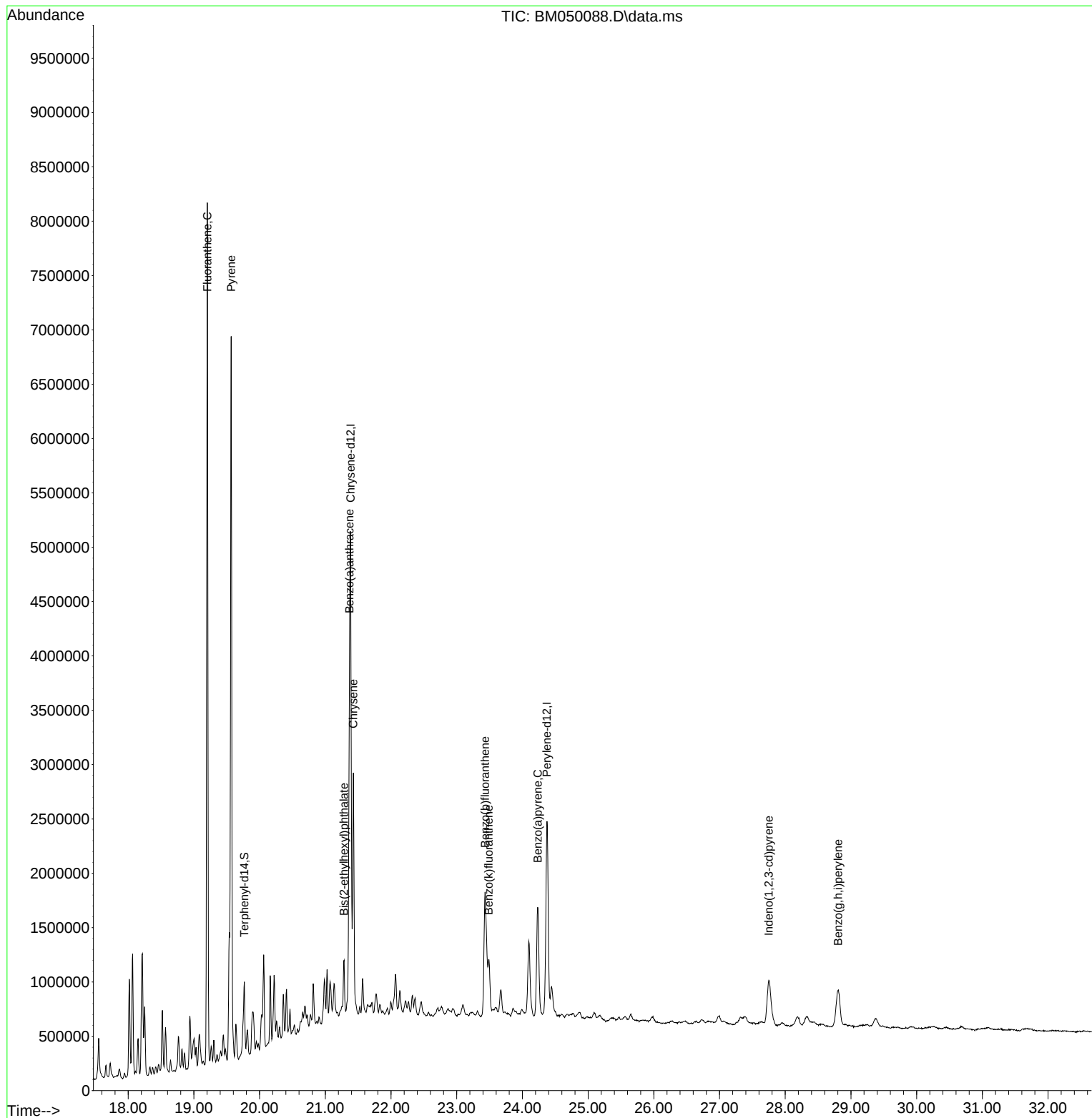
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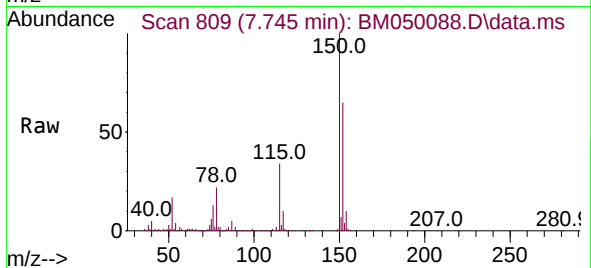
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38

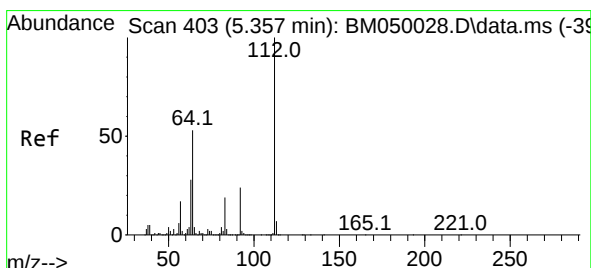
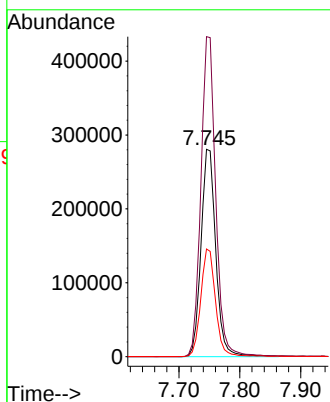
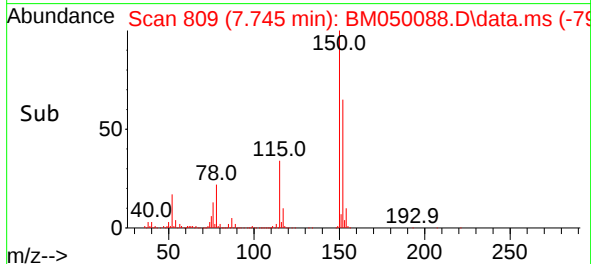
Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL



Tgt Ion:152 Resp: 47460
Ion Ratio Lower Upper
152 100
150 154.4 124.1 186.1
115 51.9 41.2 61.8

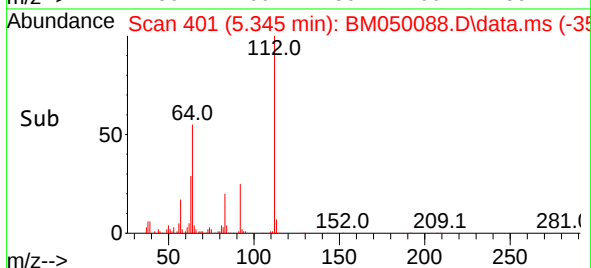
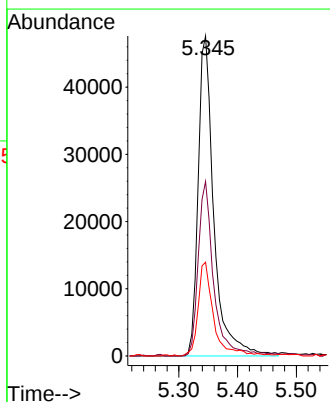
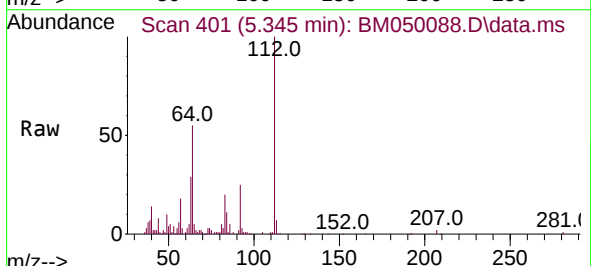
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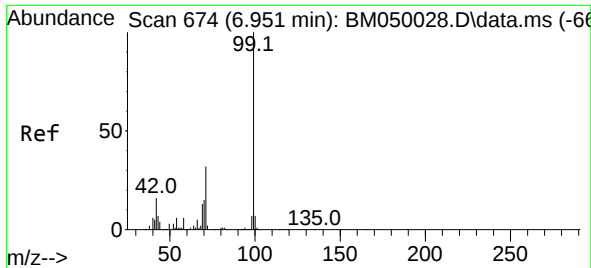
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#5
2-Fluorophenol
Concen: 3.249 ng
RT: 5.345 min Scan# 401
Delta R.T. -0.012 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38

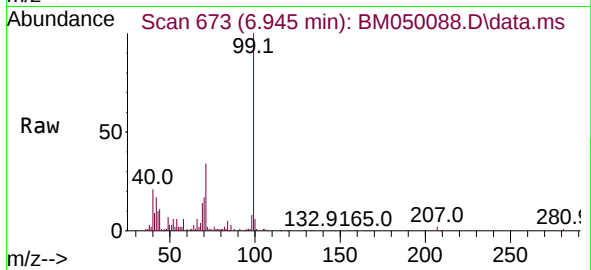
Tgt Ion:112 Resp: 88048
Ion Ratio Lower Upper
112 100
64 54.5 42.6 64.0
63 29.3 22.2 33.4





#7
Phenol-d6
Concen: 3.305 ng
RT: 6.945 min Scan# 611
Delta R.T. -0.006 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38

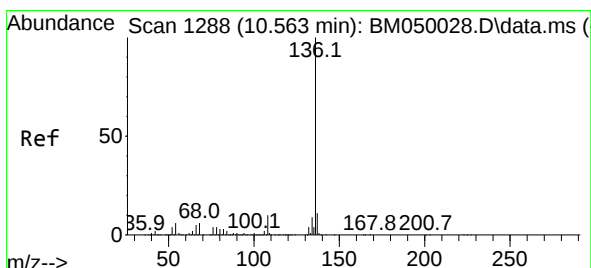
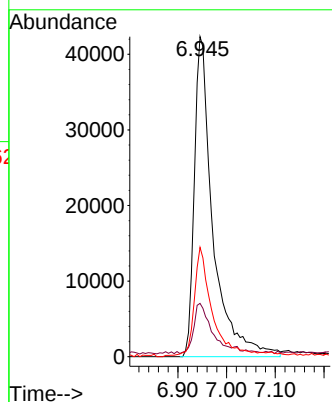
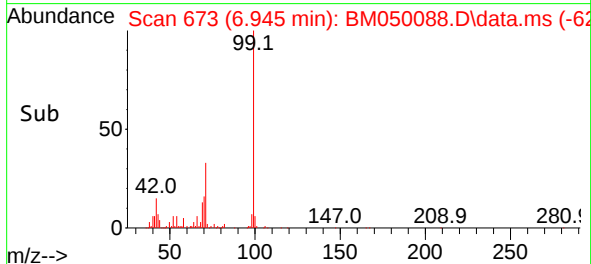
Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL



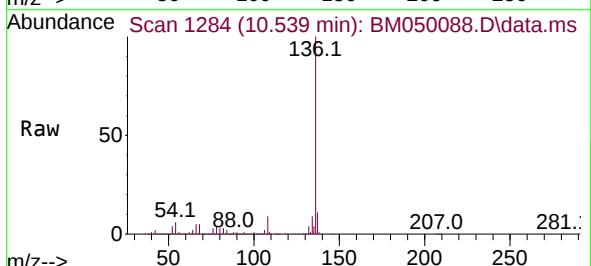
Tgt Ion: 99 Resp: 112598
Ion Ratio Lower Upper
99 100
42 16.6 13.0 19.4
71 34.2 25.6 38.4

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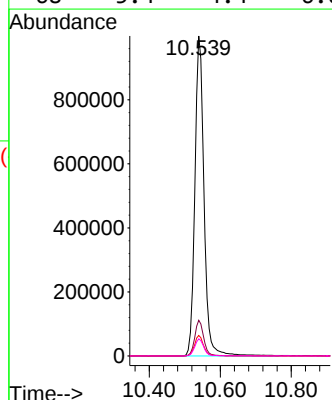
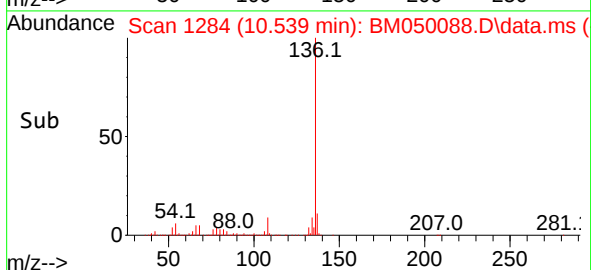
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

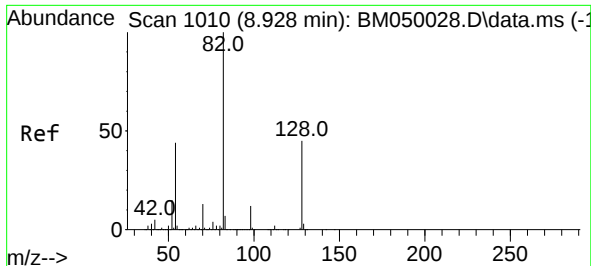


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38



Tgt Ion:136 Resp: 1790875
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 6.4 5.1 7.7
68 5.4 4.4 6.6





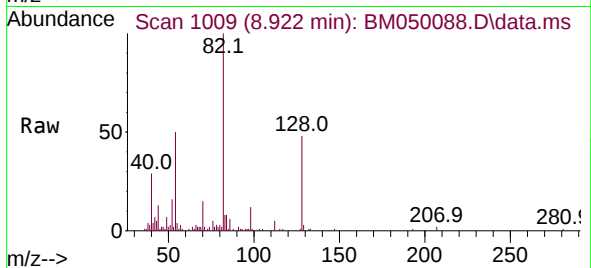
#23
Nitrobenzene-d5
Concen: 1.836 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38

Instrument :

BNA_M

ClientSampleId :

CO-8R-WCDL



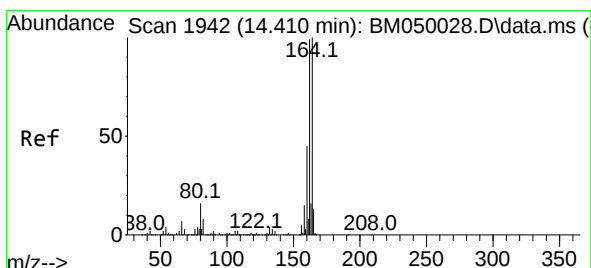
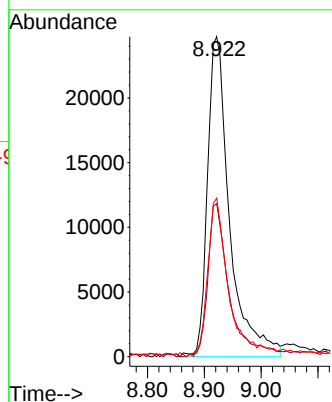
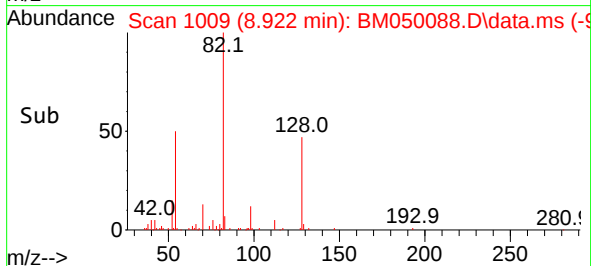
Tgt Ion: 82 Resp: 66734
Ion Ratio Lower Upper
82 100
128 47.7 35.7 53.5
54 49.6 35.4 53.2

Manual Integrations

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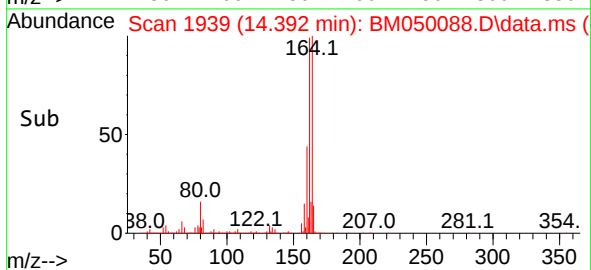
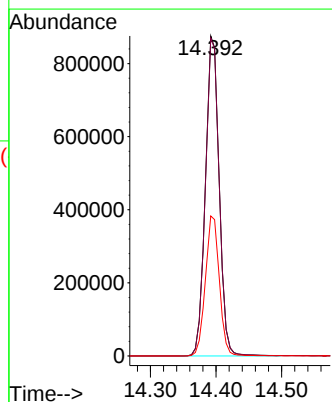
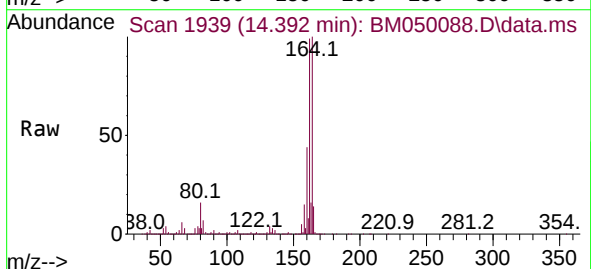
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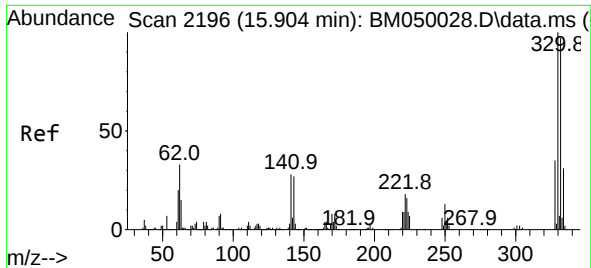
Supervised By :Jagrut Upadhyay 05/05/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38

Tgt Ion:164 Resp: 1279449
Ion Ratio Lower Upper
164 100
162 99.4 79.4 119.0
160 43.8 36.2 54.4





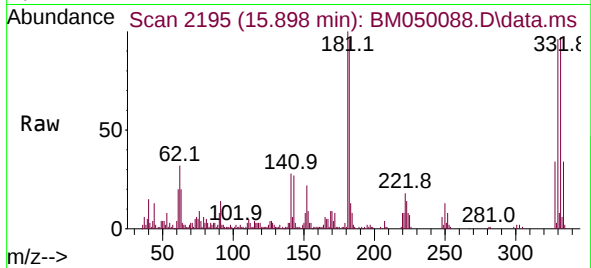
#42
2,4,6-Tribromophenol
Concen: 3.200 ng
RT: 15.898 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38

Instrument :

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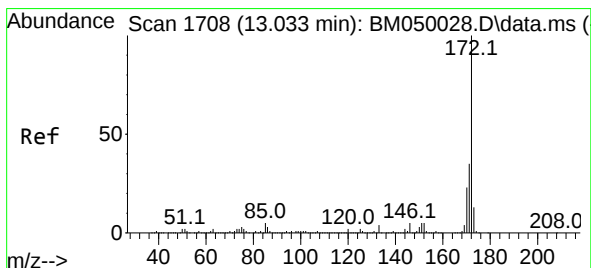
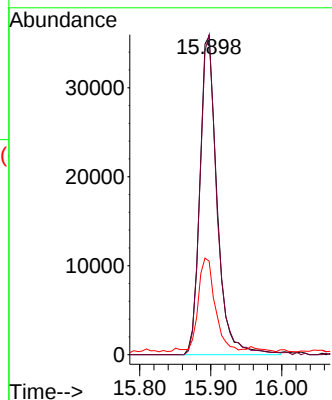
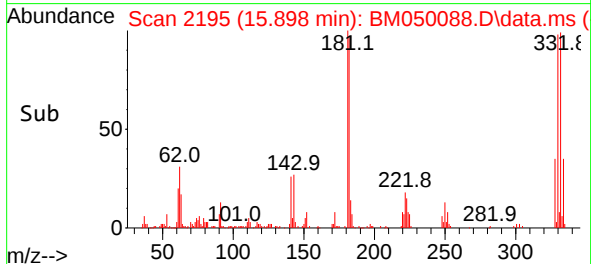


Tgt Ion:330 Resp: 6053
Ion Ratio Lower Upper
330 100
332 99.2 77.3 115.9
141 27.5 22.5 33.7

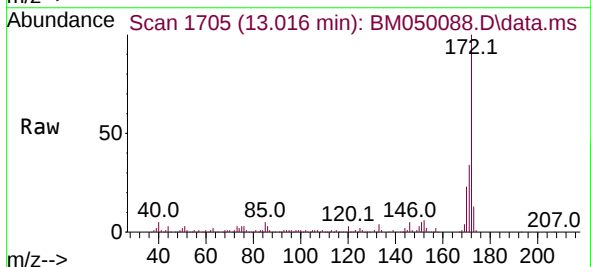
Manual Integrations

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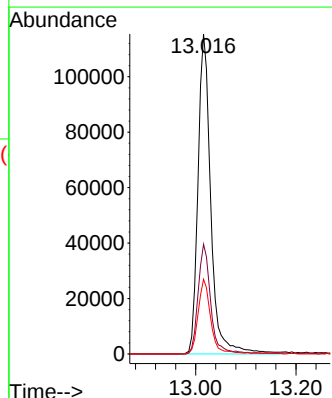
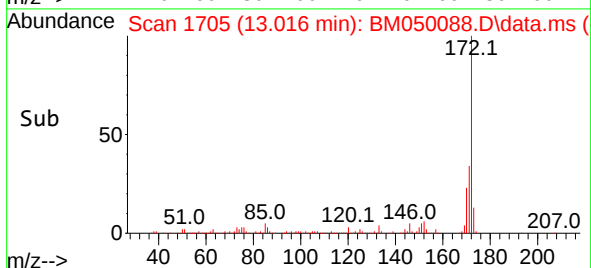
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

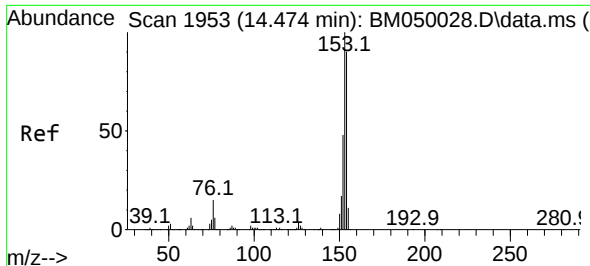


#45
2-Fluorobiphenyl
Concen: 1.892 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.018 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38



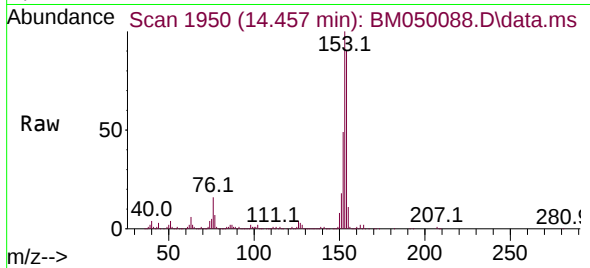
Tgt Ion:172 Resp: 204649
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.6
170 23.4 18.6 28.0





#52
Acenaphthene
Concen: 2.739 ng
RT: 14.457 min Scan# 1953
Delta R.T. -0.018 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38

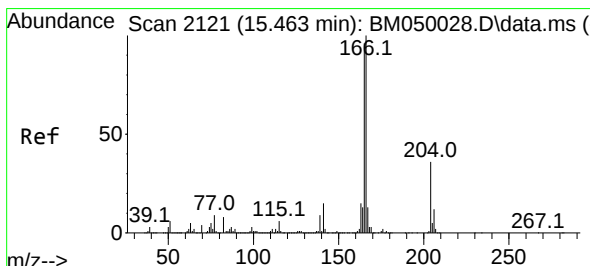
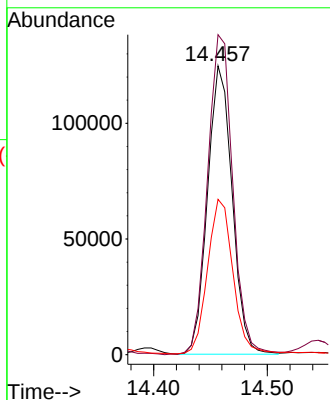
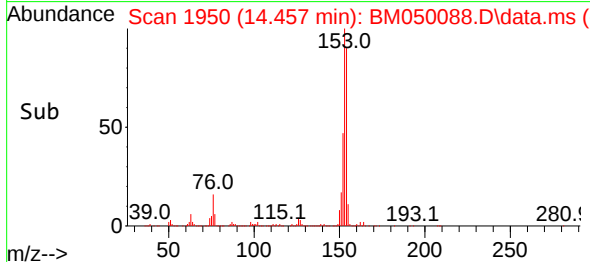
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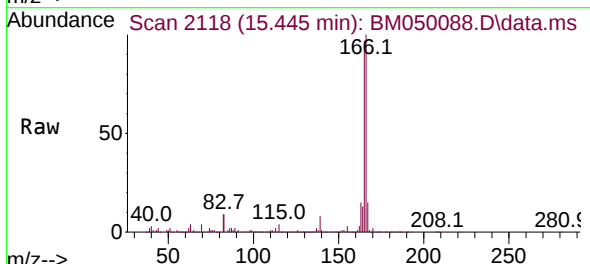
Tgt Ion:154 Resp: 18826
Ion Ratio Lower Upper
154 100
153 110.8 89.0 133.4
152 53.8 43.0 64.6

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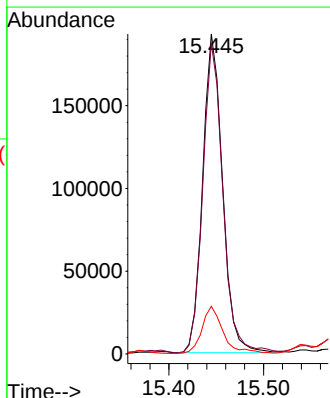
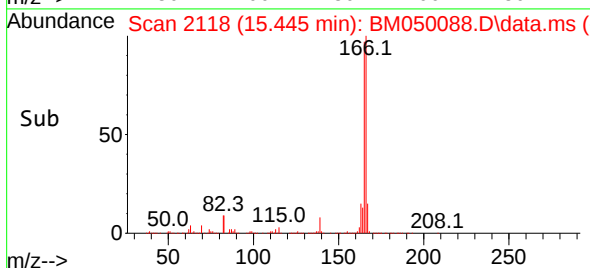
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

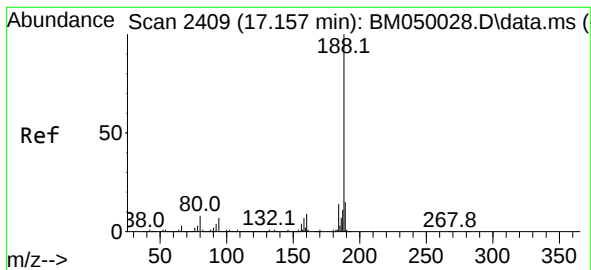


#58
Fluorene
Concen: 3.004 ng
RT: 15.445 min Scan# 2118
Delta R.T. -0.018 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38



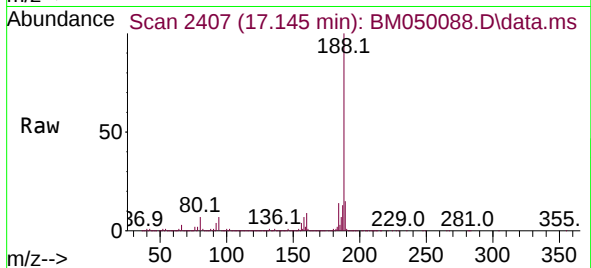
Tgt Ion:166 Resp: 281210
Ion Ratio Lower Upper
166 100
165 97.1 76.6 115.0
167 14.9 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38

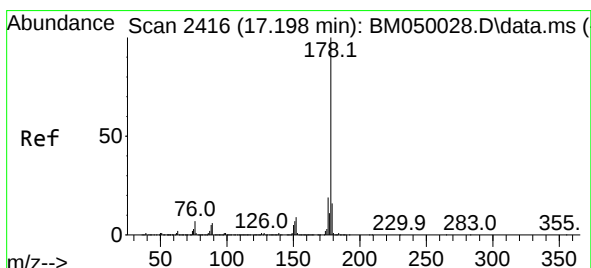
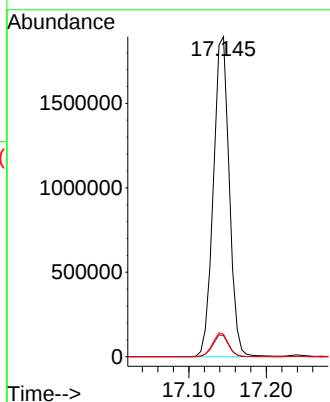
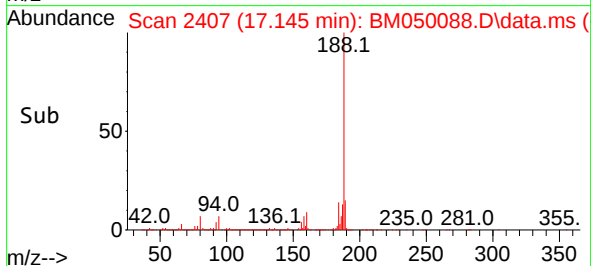
Instrument :
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Tgt Ion:188 Resp: 2693134
Ion Ratio Lower Upper
188 100
94 6.7 5.7 8.5
80 7.0 6.2 9.4

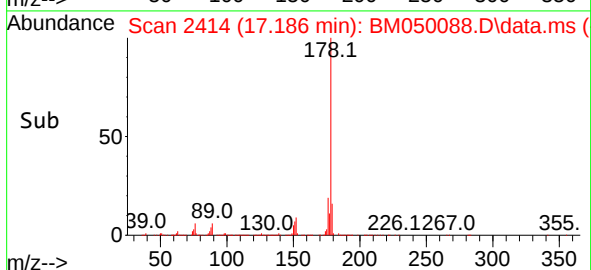
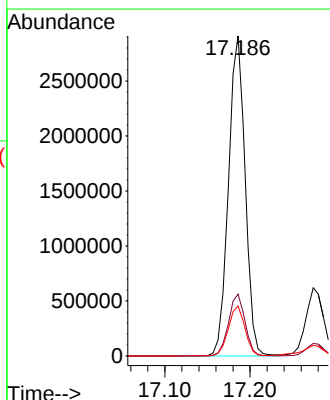
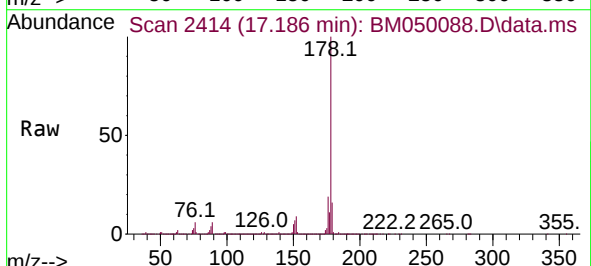
Manual Integrations
APPROVED

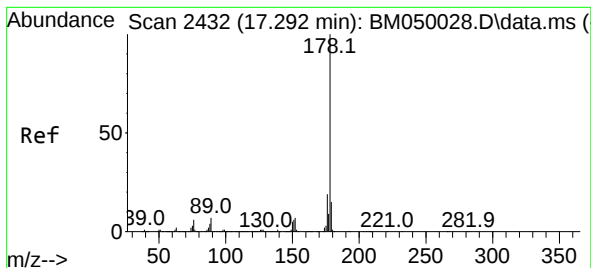
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#71
Phenanthrene
Concen: 26.087 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.012 min
Lab File: BM050088.D
Acq: 02 May 2025 16:38

Tgt Ion:178 Resp: 3962535
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.6 12.4 18.6





#72

Anthracene

Concen: 5.688 ng

RT: 17.274 min Scan# 2432

Delta R.T. -0.018 min

Lab File: BM050088.D

Acq: 02 May 2025 16:38

Instrument :

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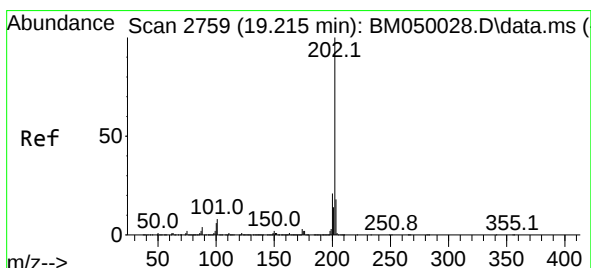
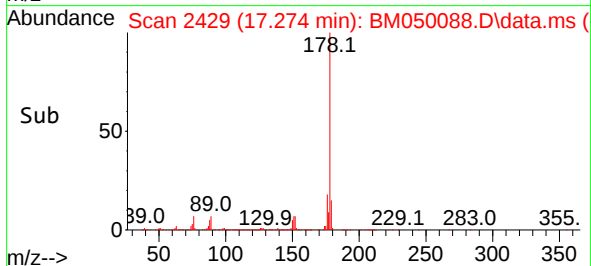
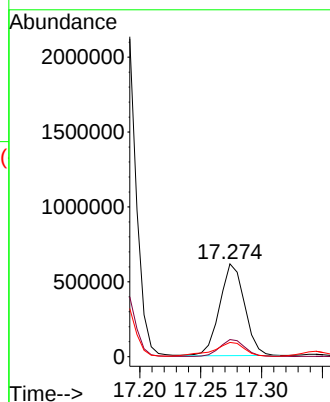
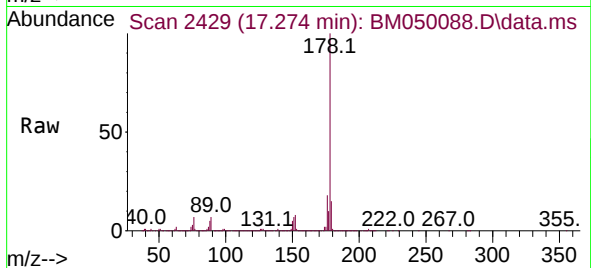
Tgt Ion:178 Resp: 874415
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.0 22.4
 179 15.4 12.2 18.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025



#75

Fluoranthene

Concen: 25.682 ng

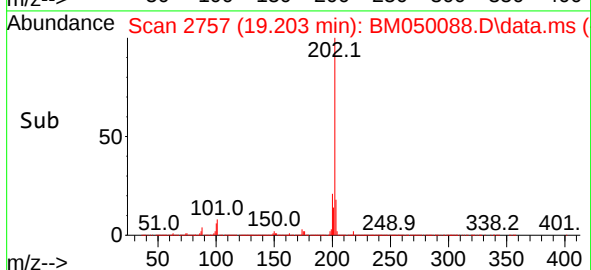
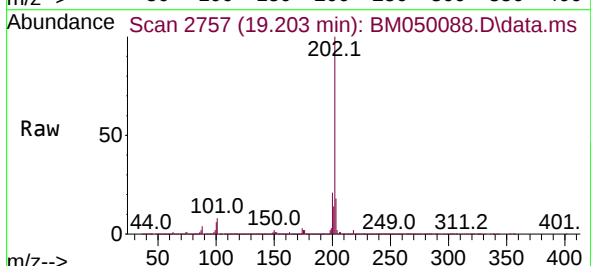
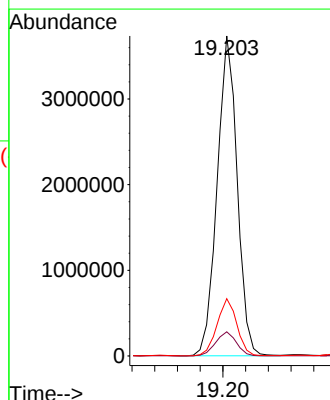
RT: 19.203 min Scan# 2757

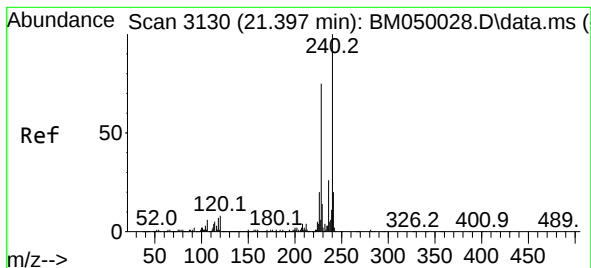
Delta R.T. -0.012 min

Lab File: BM050088.D

Acq: 02 May 2025 16:38

Tgt Ion:202 Resp: 4579979
 Ion Ratio Lower Upper
 202 100
 101 7.5 0.0 28.0
 203 17.9 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 31

Delta R.T. -0.011 min

Lab File: BM050088.D

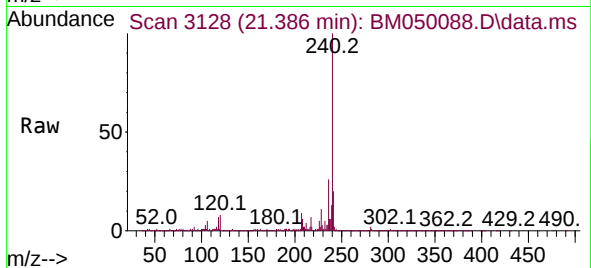
Acq: 02 May 2025 16:38

Instrument :

BNA_M

ClientSampleId :

CO-8R-WCDL



Tgt Ion:240 Resp: 2096678

Ion Ratio Lower Upper

240 100

120 7.6 6.5 9.7

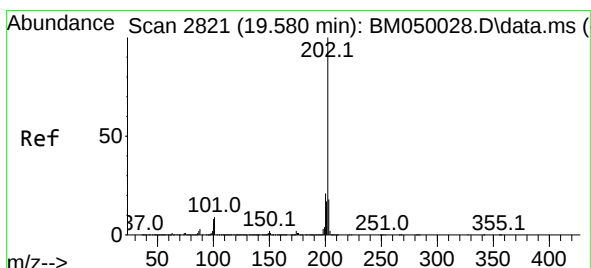
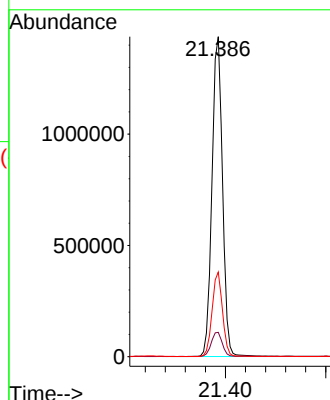
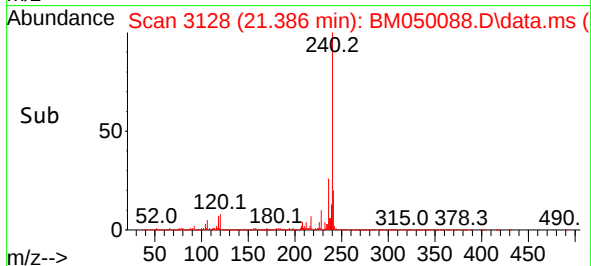
236 26.4 20.9 31.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025



#78

Pyrene

Concen: 28.467 ng

RT: 19.568 min Scan# 2819

Delta R.T. -0.012 min

Lab File: BM050088.D

Acq: 02 May 2025 16:38

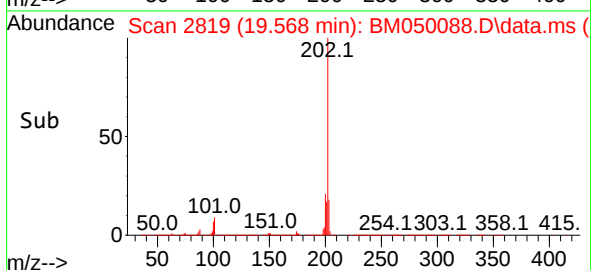
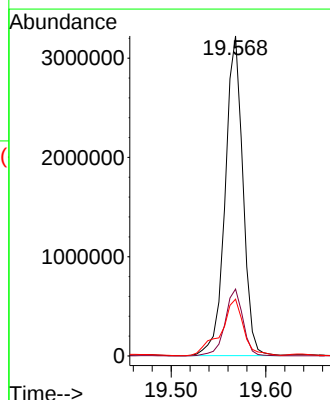
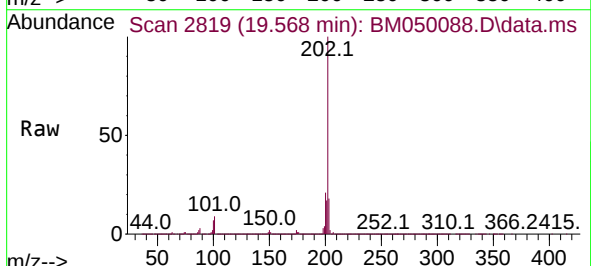
Tgt Ion:202 Resp: 4191325

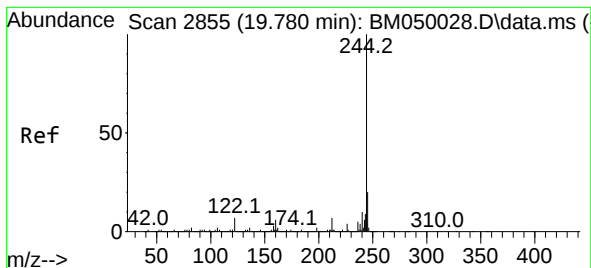
Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 2.132 ng

RT: 19.768 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050088.D

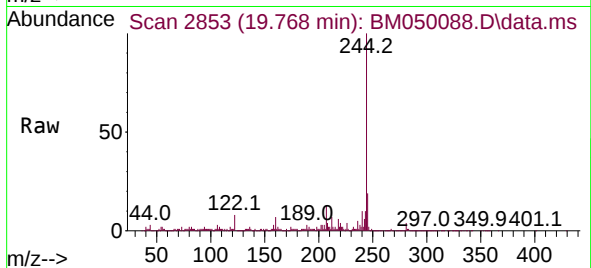
Acq: 02 May 2025 16:38

Instrument :

BNA_M

ClientSampleId :

CO-8R-WCDL



Tgt Ion:244 Resp: 302084

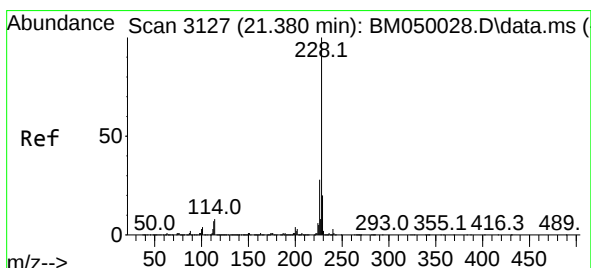
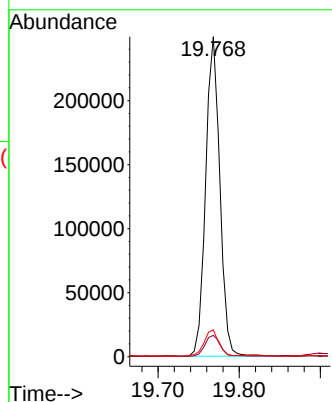
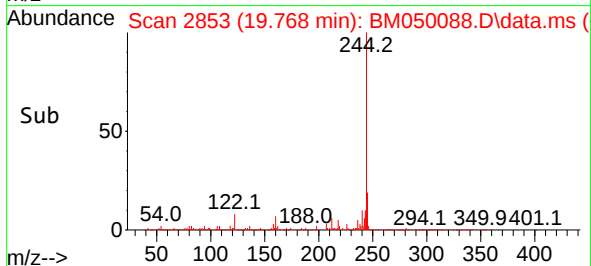
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	8.4	5.6	8.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025



#81

Benzo(a)anthracene

Concen: 10.653 ng

RT: 21.368 min Scan# 3125

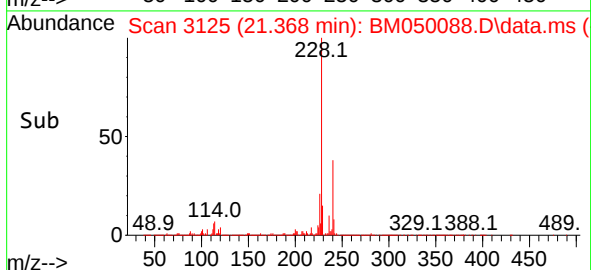
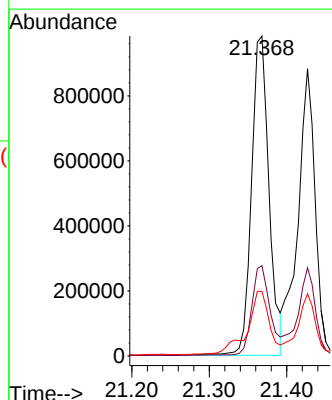
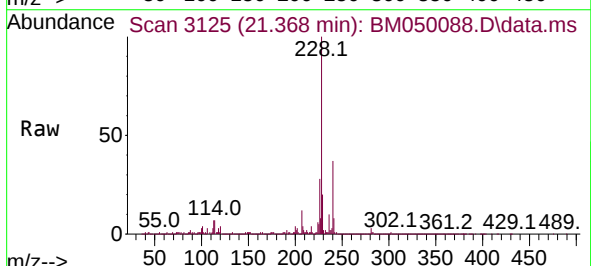
Delta R.T. -0.012 min

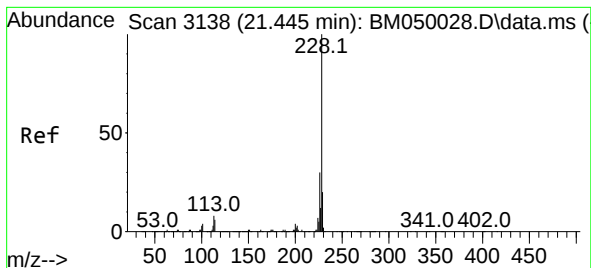
Lab File: BM050088.D

Acq: 02 May 2025 16:38

Tgt Ion:228 Resp: 1538059

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.1	33.1
229	20.2	15.7	23.5





#83

Chrysene

Concen: 10.266 ng

RT: 21.427 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM050088.D

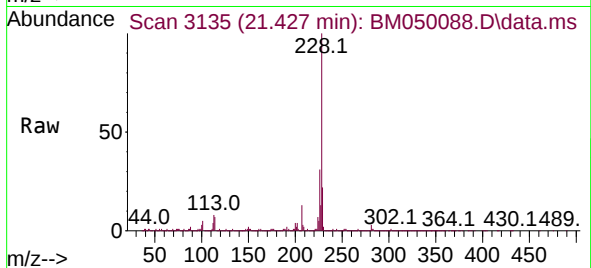
Acq: 02 May 2025 16:38

Instrument :

BNA_M

ClientSampleId :

CO-8R-WCDL



Tgt Ion:228 Resp: 1371904

Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.2

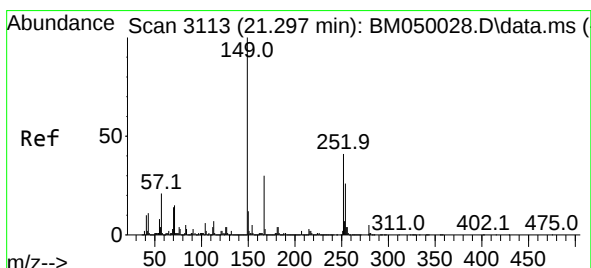
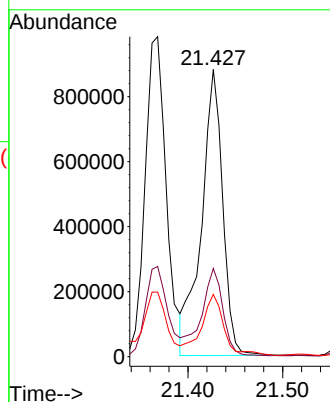
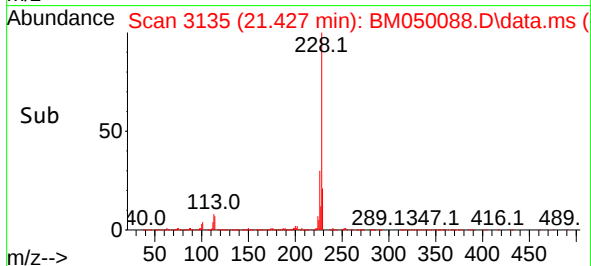
229 21.7 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.822 ng

RT: 21.286 min Scan# 3111

Delta R.T. -0.012 min

Lab File: BM050088.D

Acq: 02 May 2025 16:38

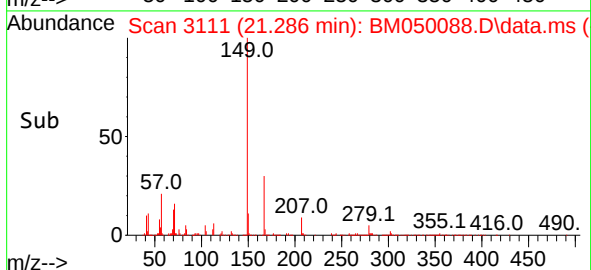
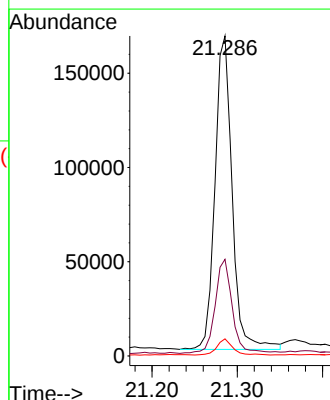
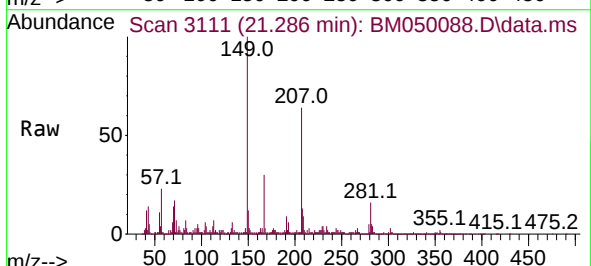
Tgt Ion:149 Resp: 232417

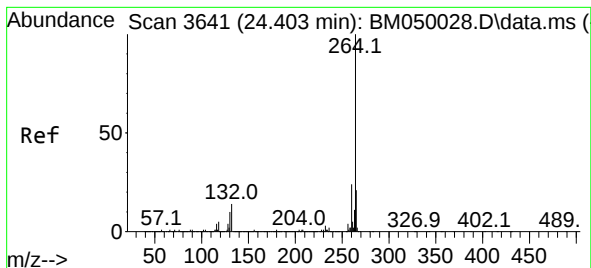
Ion Ratio Lower Upper

149 100

167 30.2 24.1 36.1

279 5.4 3.9 5.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.374 min Scan# 3

Delta R.T. -0.030 min

Lab File: BM050088.D

Acq: 02 May 2025 16:38

Instrument :

BNA_M

ClientSampleId :

CO-8R-WCDL

Tgt Ion:264 Resp: 1746089

Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

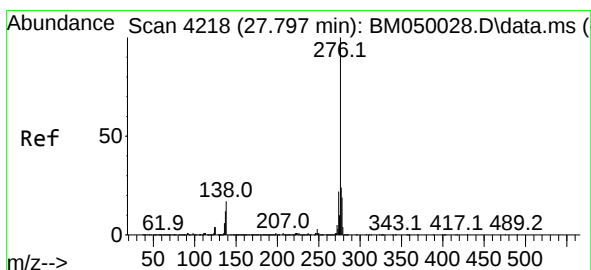
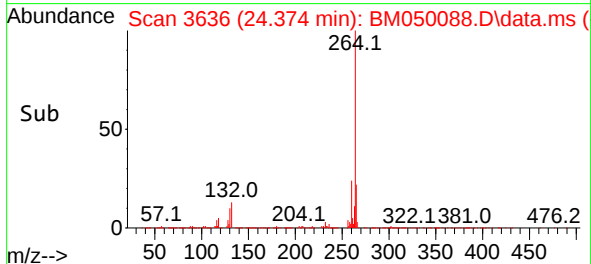
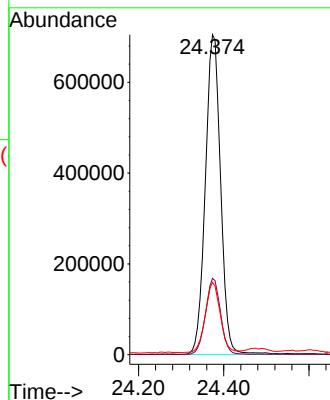
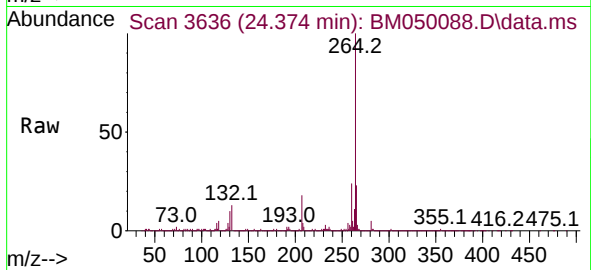
265 22.7 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.906 ng

RT: 27.750 min Scan# 4210

Delta R.T. -0.047 min

Lab File: BM050088.D

Acq: 02 May 2025 16:38

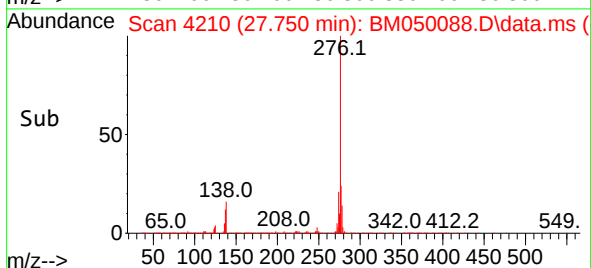
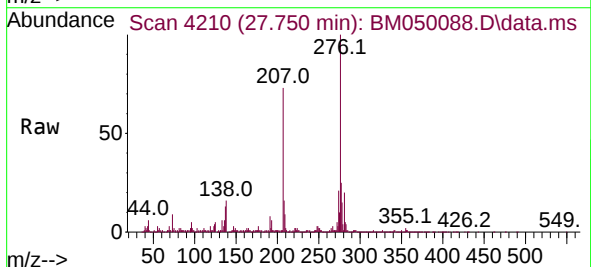
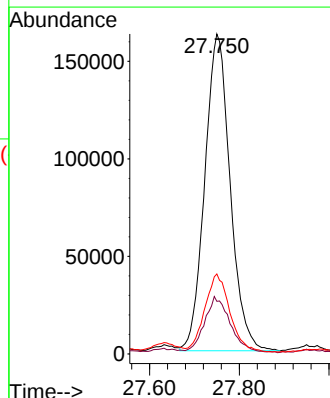
Tgt Ion:276 Resp: 638336

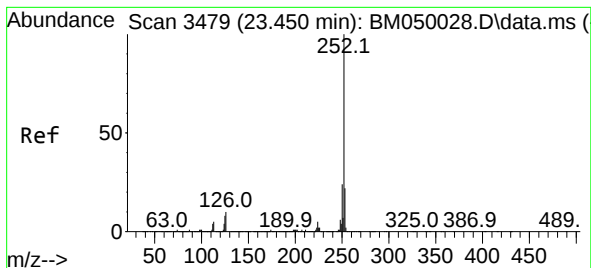
Ion Ratio Lower Upper

276 100

138 17.2 16.4 24.6

277 24.4 19.8 29.8





#88

Benzo(b)fluoranthene

Concen: 11.587 ng

RT: 23.433 min Scan# 34

Delta R.T. -0.018 min

Lab File: BM050088.D

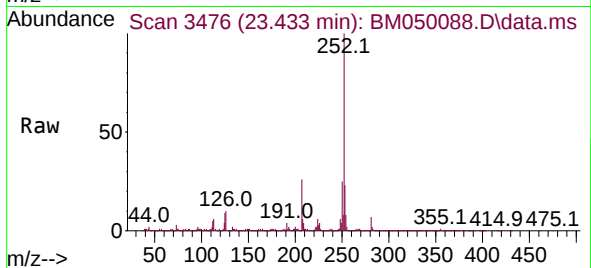
Acq: 02 May 2025 16:38

Instrument :

BNA_M

ClientSampleId :

CO-8R-WCDL



Tgt Ion:252 Resp: 1315700

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

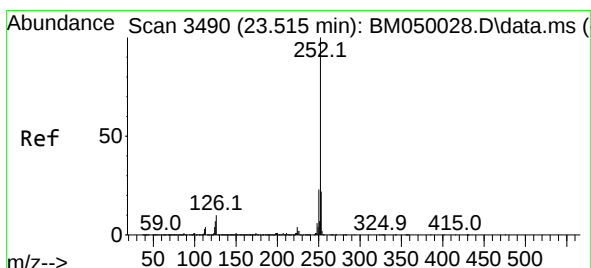
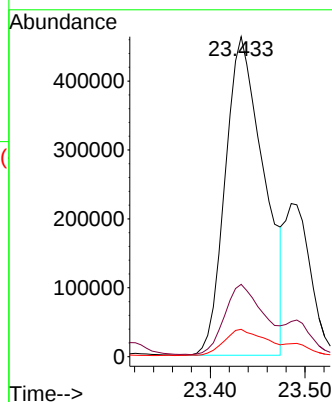
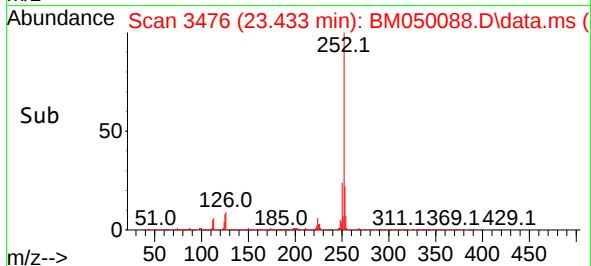
125 8.5 6.1 9.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025



#89

Benzo(k)fluoranthene

Concen: 3.726 ng m

RT: 23.485 min Scan# 3485

Delta R.T. -0.030 min

Lab File: BM050088.D

Acq: 02 May 2025 16:38

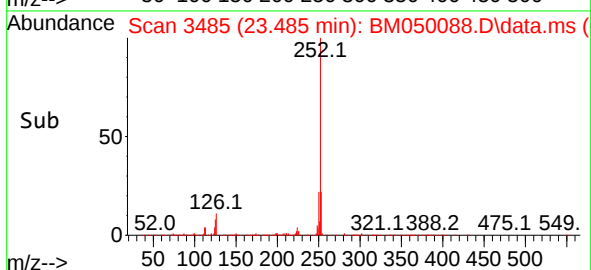
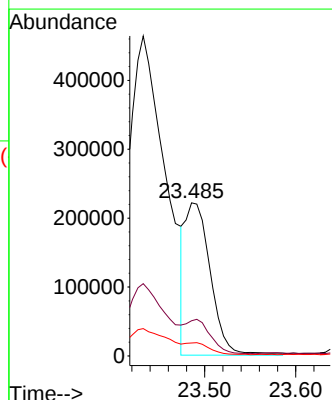
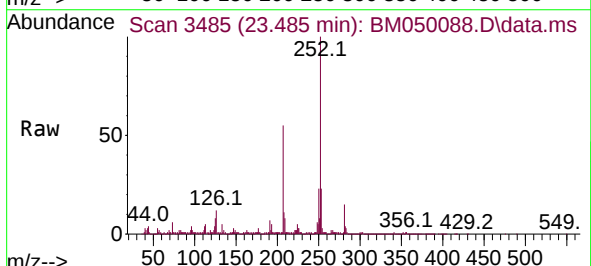
Tgt Ion:252 Resp: 428012

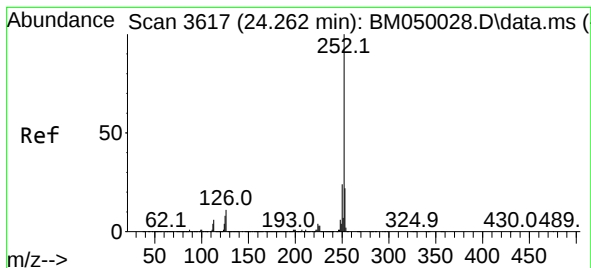
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

125 8.5 5.8 8.8





#90

Benzo(a)pyrene

Concen: 9.448 ng

RT: 24.232 min Scan# 30

Delta R.T. -0.030 min

Lab File: BM050088.D

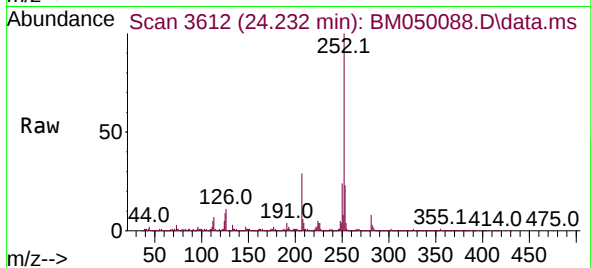
Acq: 02 May 2025 16:38

Instrument :

BNA_M

ClientSampleId :

CO-8R-WCDL



Tgt Ion:252 Resp: 100486

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

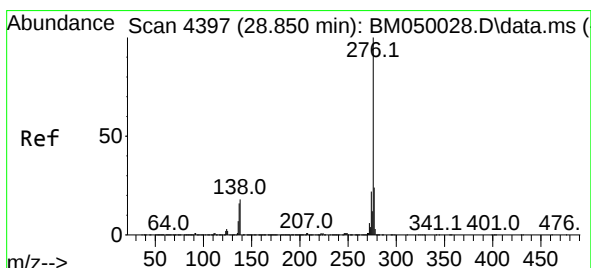
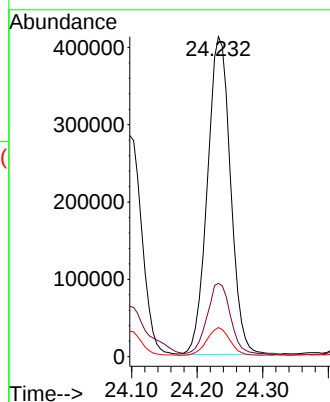
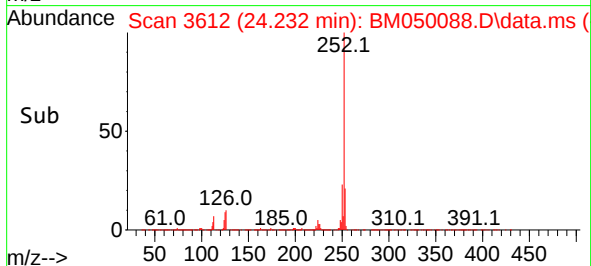
125 9.1 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025



#92

Benzo(g,h,i)perylene

Concen: 6.258 ng

RT: 28.803 min Scan# 4389

Delta R.T. -0.047 min

Lab File: BM050088.D

Acq: 02 May 2025 16:38

Tgt Ion:276 Resp: 635374

Ion Ratio Lower Upper

276 100

277 24.5 19.1 28.7

138 19.4 14.3 21.5

