

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
 Data File : BM050069.D
 Acq On : 01 May 2025 18:02
 Operator : RC/JU
 Sample : Q1900-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

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

Quant Time: May 02 01:11:10 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	272398	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	960084	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	636564	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1316301	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1386446	20.000	ng	-0.02
86) Perylene-d12	24.368	264	1453416	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	968373	62.251	ng	-0.02
7) Phenol-d6	6.934	99	1309521	66.976	ng	-0.02
23) Nitrobenzene-d5	8.904	82	728112	37.370	ng	-0.02
42) 2,4,6-Tribromophenol	15.886	330	626847	66.598	ng	-0.02
45) 2-Fluorobiphenyl	13.010	172	1921879	35.716	ng	-0.02
79) Terphenyl-d14	19.768	244	3246943	34.654	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	19.203	202	231945	2.661	ng	99
78) Pyrene	19.562	202	443068	4.551	ng	99
81) Benzo(a)anthracene	21.362	228	556207	5.826	ng	98
83) Chrysene	21.421	228	571490	6.467	ng	100
87) Indeno(1,2,3-cd)pyrene	27.744	276	363937	3.361	ng	98
88) Benzo(b)fluoranthene	23.427	252	923170	9.767	ng	# 97
89) Benzo(k)fluoranthene	23.485	252	329312m	3.444	ng	
90) Benzo(a)pyrene	24.227	252	528653	5.972	ng	97
92) Benzo(g,h,i)perylene	28.797	276	340020	4.023	ng	97

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

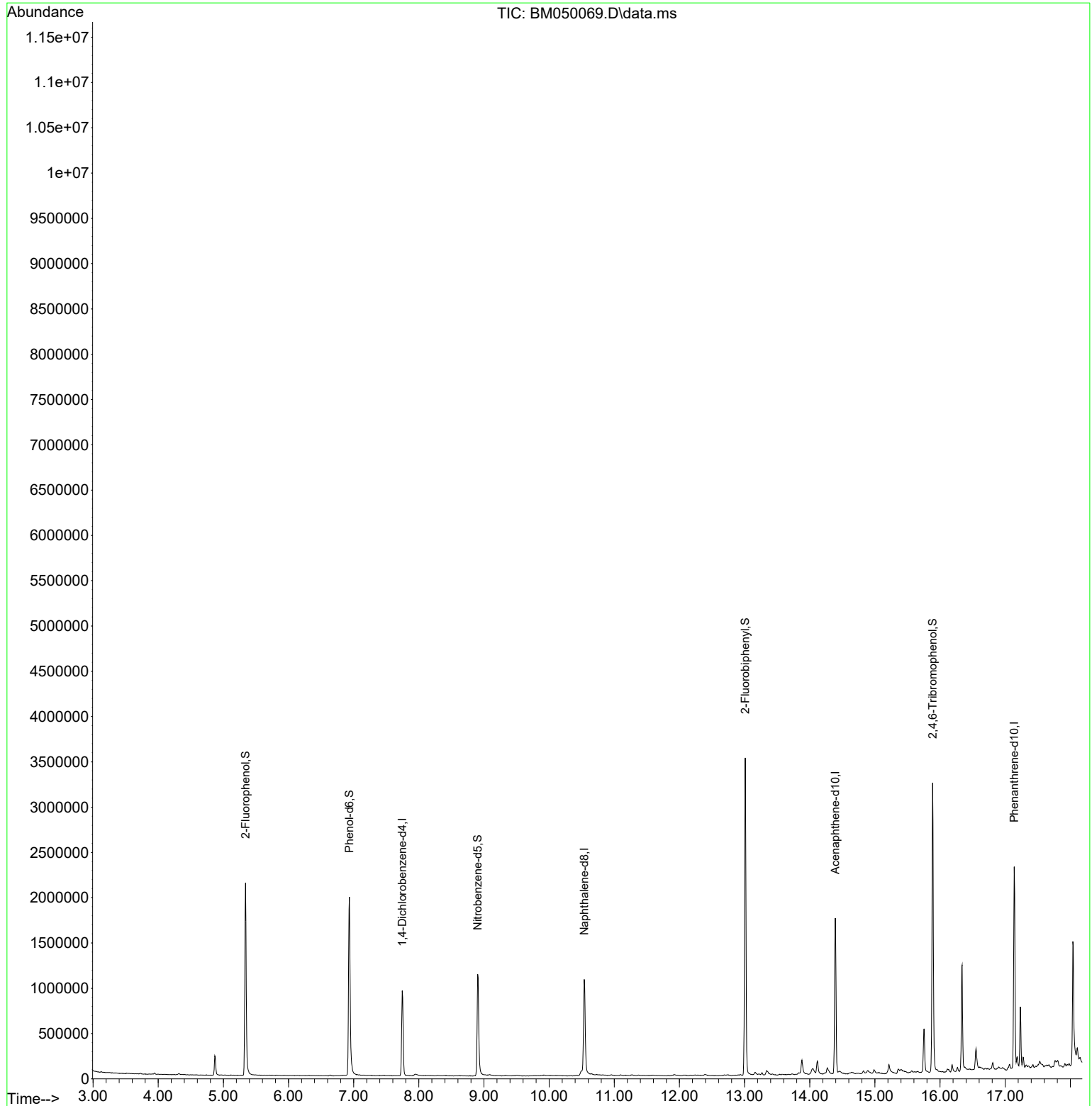
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050069.D
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

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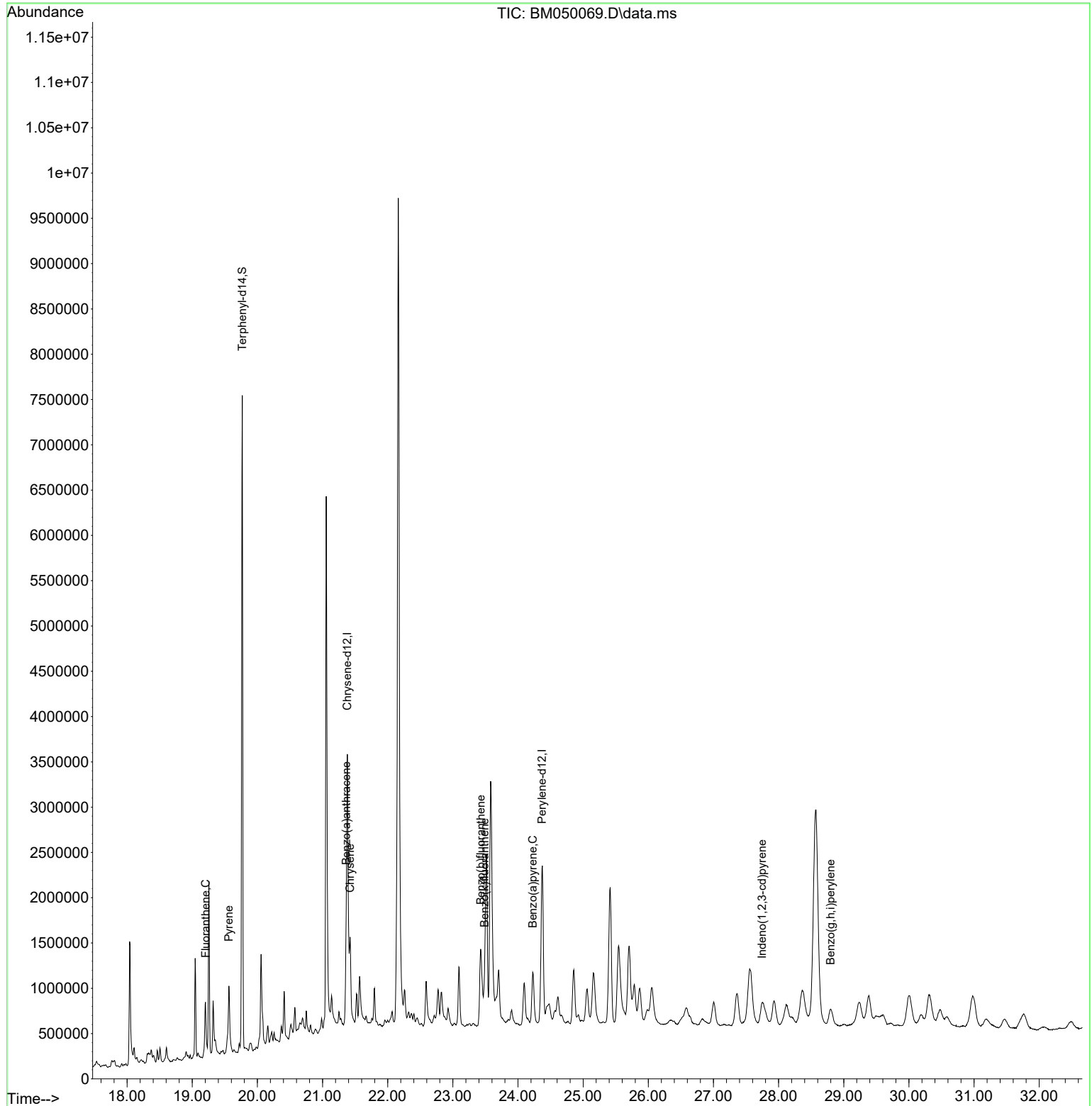
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Acq On : 01 May 2025 18:02
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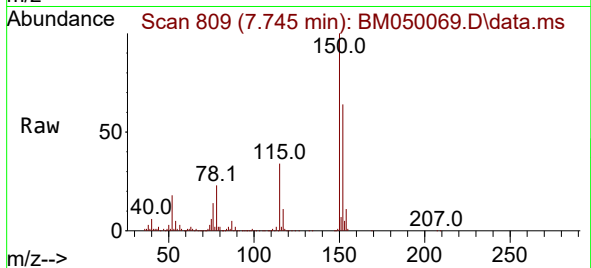
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050069.D
Acq: 01 May 2025 18:02

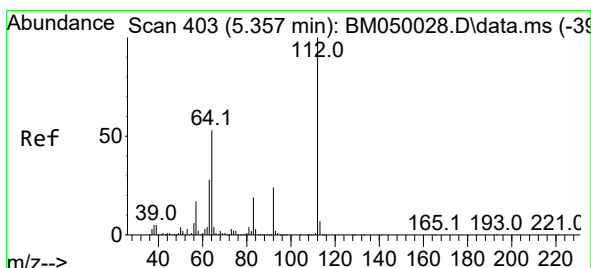
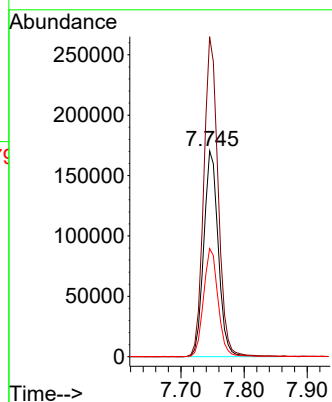
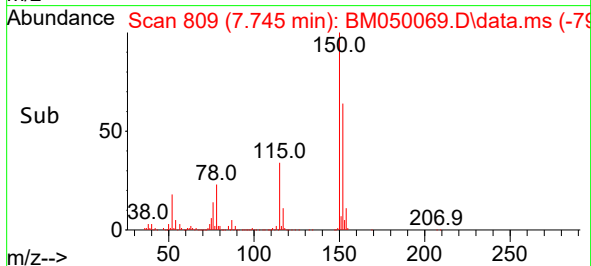
Instrument :
BNA_M
ClientSampleId :
WC-1



Tgt Ion:152 Resp: 272398
Ion Ratio Lower Upper
152 100
150 155.5 124.1 186.1
115 52.6 41.2 61.8

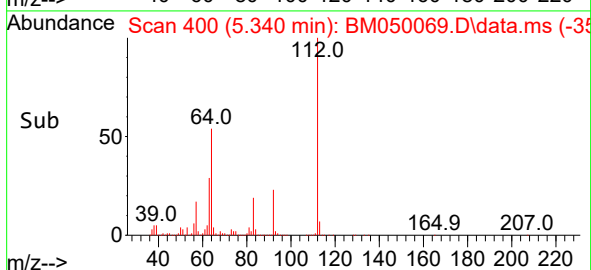
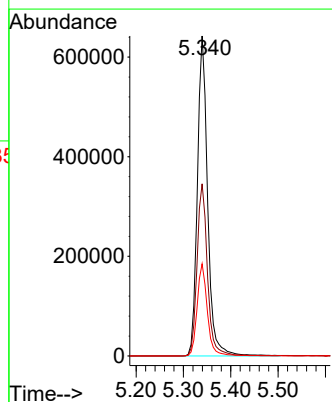
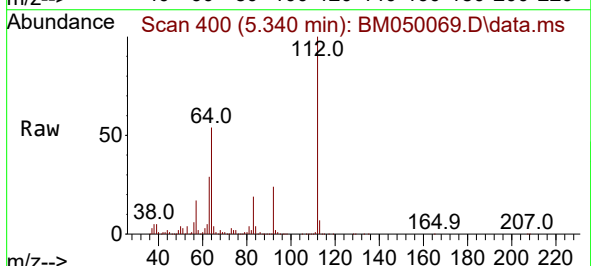
Manual Integrations
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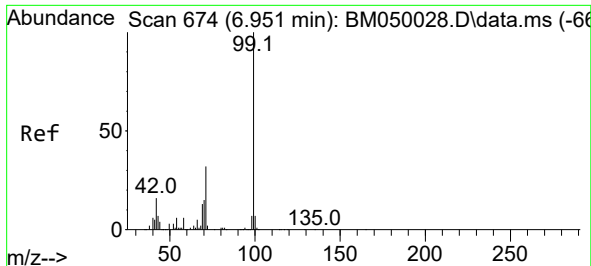
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#5
2-Fluorophenol
Concen: 62.251 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050069.D
Acq: 01 May 2025 18:02

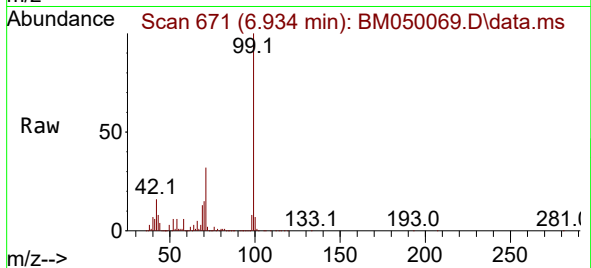
Tgt Ion:112 Resp: 968373
Ion Ratio Lower Upper
112 100
64 53.8 42.6 64.0
63 28.8 22.2 33.4





Phenol-d6
Concen: 66.976 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050069.D
Acq: 01 May 2025 18:02

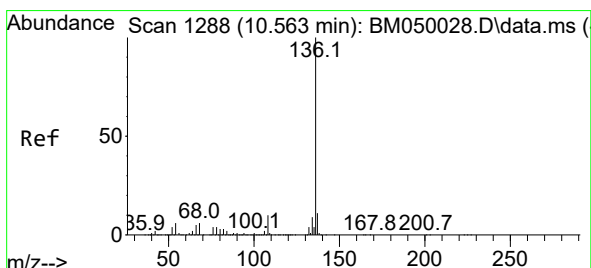
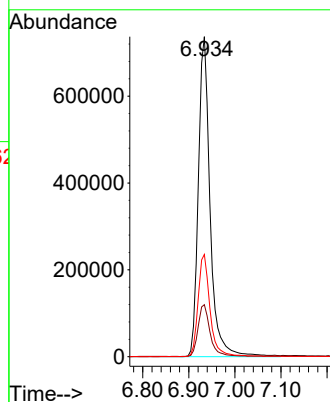
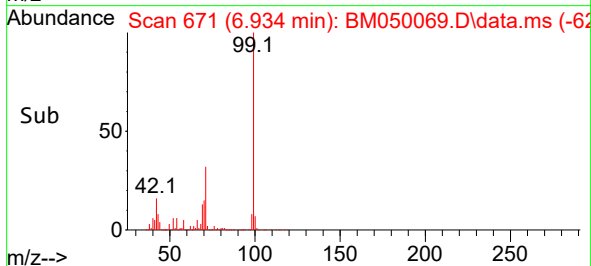
Instrument :
BNA_M
ClientSampleId :
WC-1



Tgt Ion: 99 Resp: 130952
Ion Ratio Lower Upper
99 100
42 16.3 13.0 19.4
71 32.0 25.6 38.4

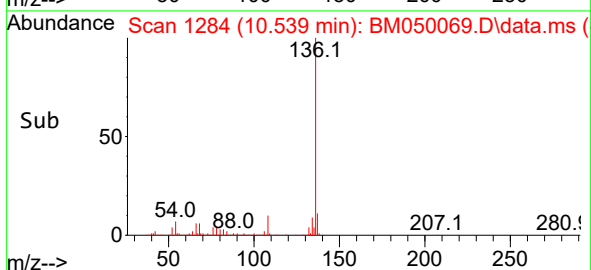
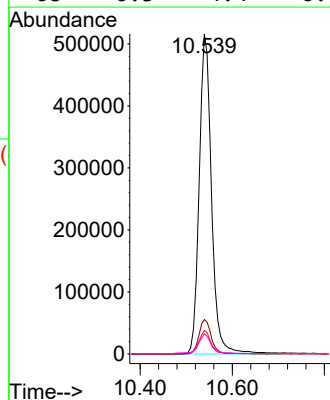
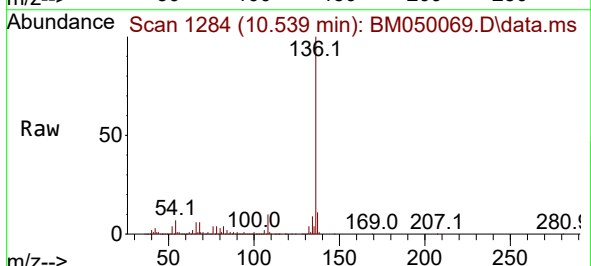
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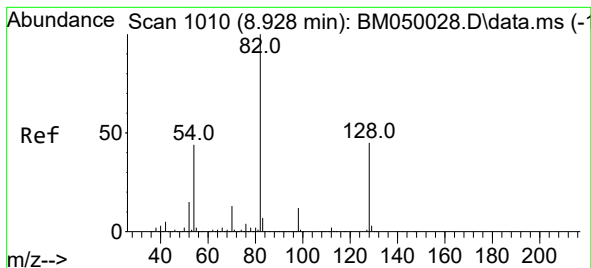
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050069.D
Acq: 01 May 2025 18:02

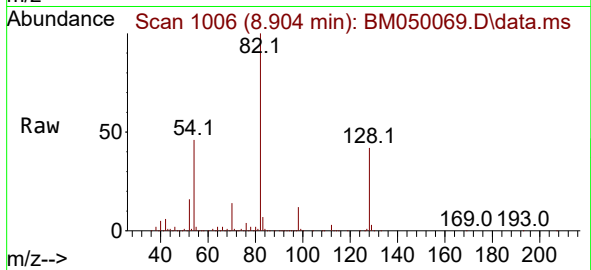
Tgt Ion:136 Resp: 960084
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.3 5.1 7.7
68 6.3 4.4 6.6





#23
Nitrobenzene-d5
Concen: 37.370 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.024 min
Lab File: BM050069.D
Acq: 01 May 2025 18:02

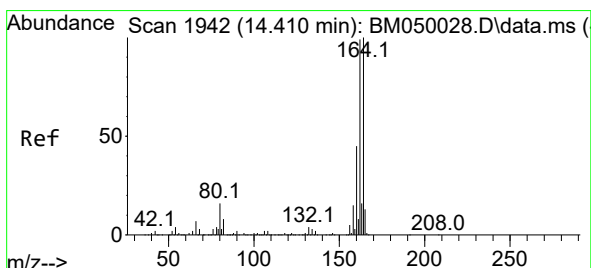
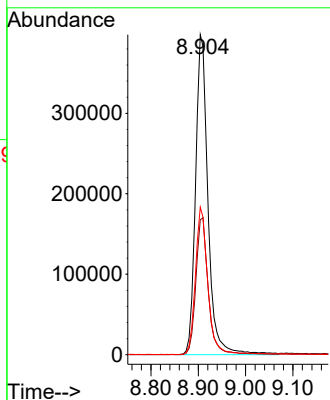
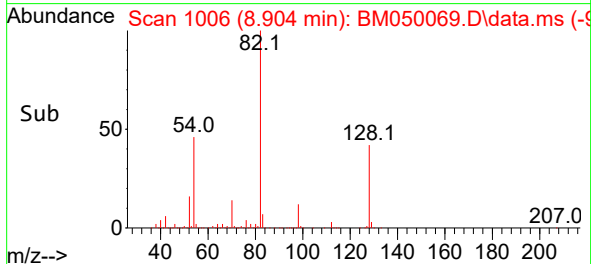
Instrument :
BNA_M
ClientSampleId :
WC-1



Tgt Ion: 82 Resp: 72811
Ion Ratio Lower Upper
82 100
128 42.2 35.7 53.5
54 46.1 35.4 53.2

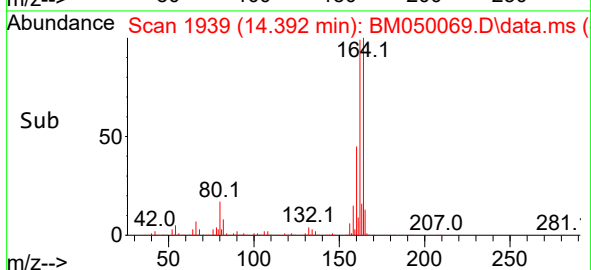
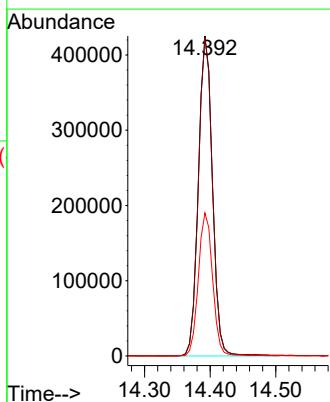
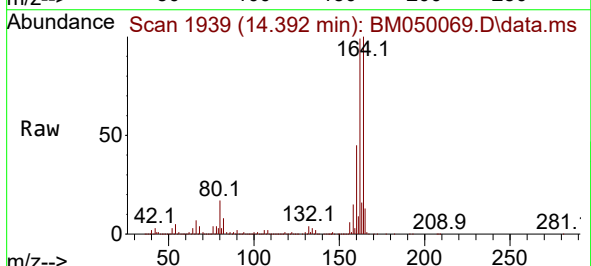
Manual Integrations
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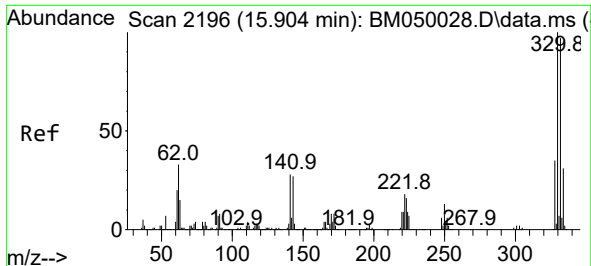
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050069.D
Acq: 01 May 2025 18:02

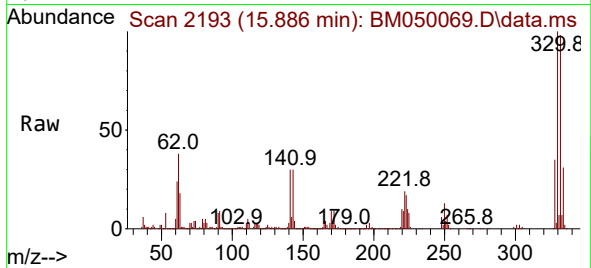
Tgt Ion:164 Resp: 636564
Ion Ratio Lower Upper
164 100
162 99.4 79.4 119.0
160 44.7 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 66.598 ng
RT: 15.886 min Scan# 2193
Delta R.T. -0.018 min
Lab File: BM050069.D
Acq: 01 May 2025 18:02

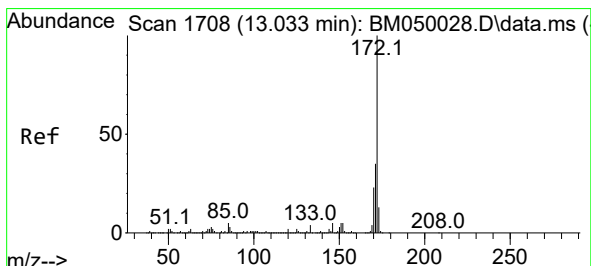
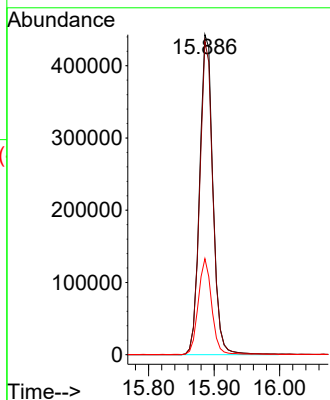
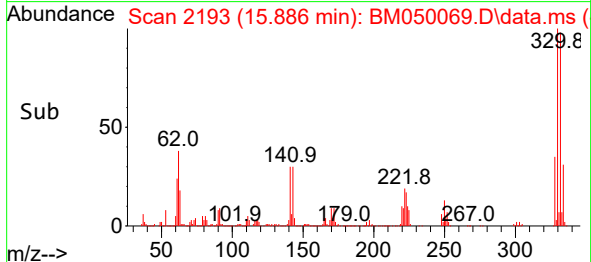
Instrument :
BNA_M
ClientSampleId :
WC-1



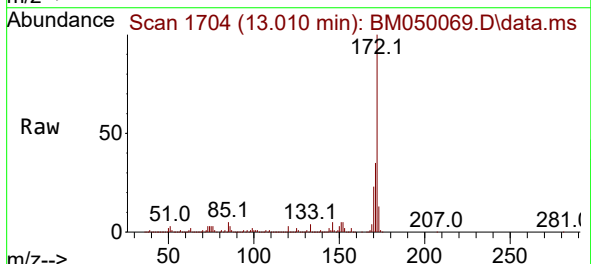
Tgt Ion:330 Resp: 62684
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 30.0 22.5 33.7

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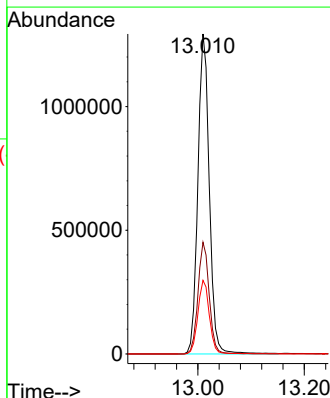
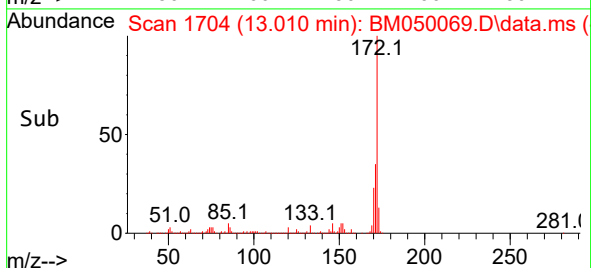
Reviewed By :Rahul Chavli 05/02/2025
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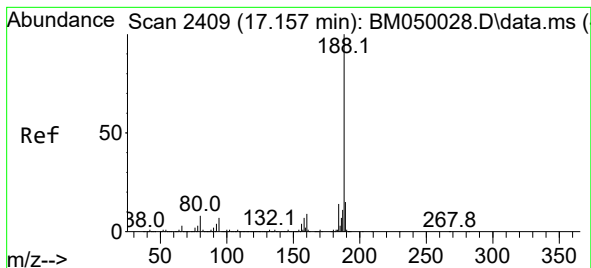


#45
2-Fluorobiphenyl
Concen: 35.716 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050069.D
Acq: 01 May 2025 18:02



Tgt Ion:172 Resp: 1921879
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 23.0 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.139 min Scan# 2409

Delta R.T. -0.018 min

Lab File: BM050069.D

Acq: 01 May 2025 18:02

Instrument :

BNA_M

ClientSampleId :

WC-1

Tgt Ion:188 Resp: 131630

Ion Ratio Lower Upper

188 100

94 7.2 5.7 8.5

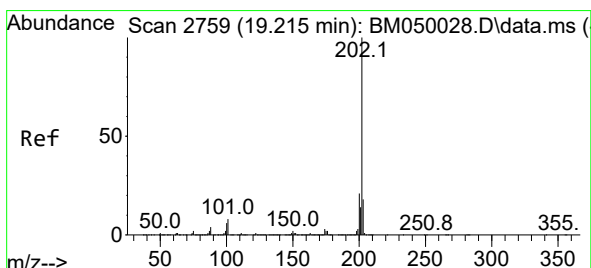
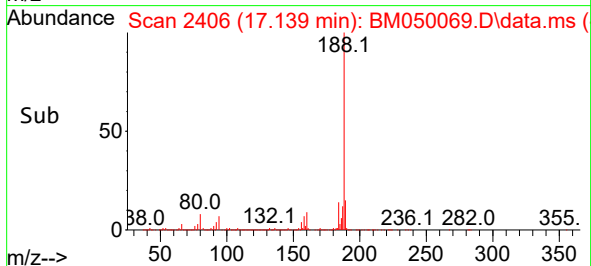
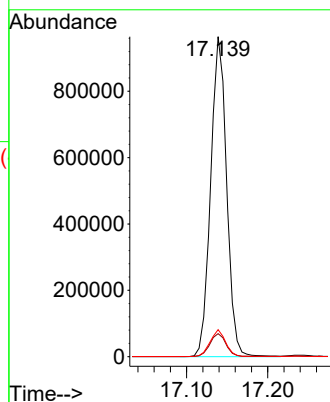
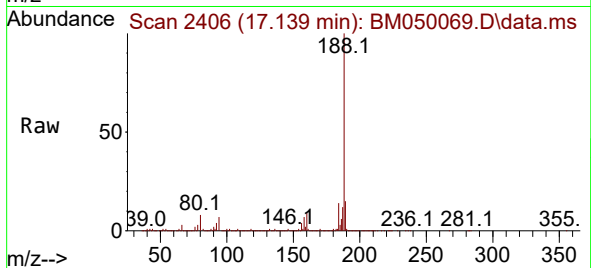
80 8.5 6.2 9.4

Manual Integrations

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#75

Fluoranthene

Concen: 2.661 ng

RT: 19.203 min Scan# 2757

Delta R.T. -0.012 min

Lab File: BM050069.D

Acq: 01 May 2025 18:02

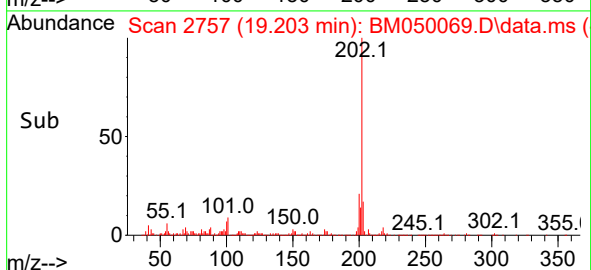
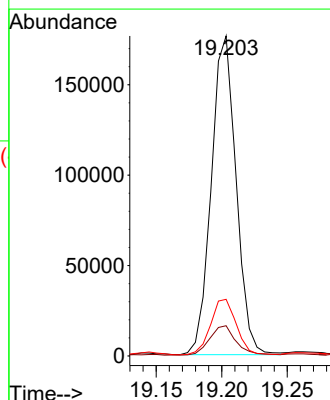
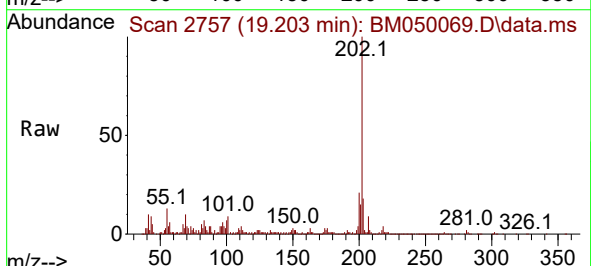
Tgt Ion:202 Resp: 231945

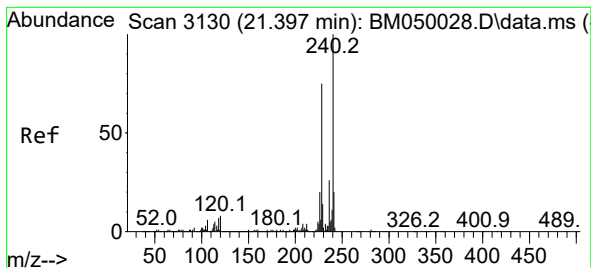
Ion Ratio Lower Upper

202 100

101 9.4 0.0 28.0

203 17.7 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.380 min Scan# 31

Delta R.T. -0.017 min

Lab File: BM050069.D

Acq: 01 May 2025 18:02

Instrument :

BNA_M

ClientSampleId :

WC-1

Tgt Ion:240 Resp: 1386440

Ion Ratio Lower Upper

240 100

120 8.5 6.5 9.7

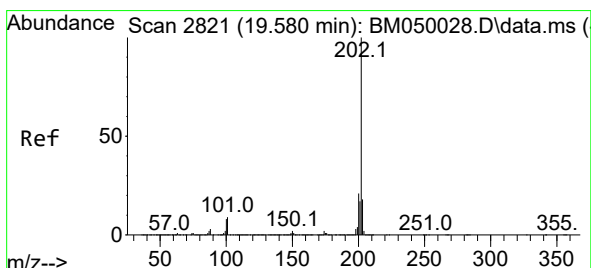
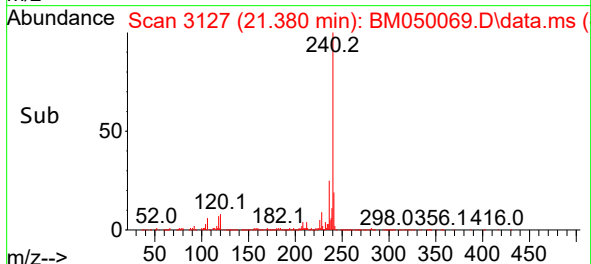
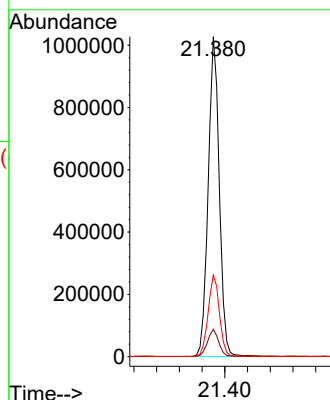
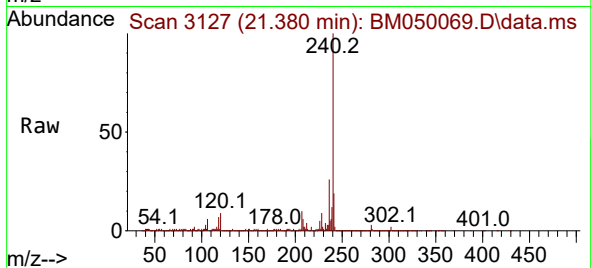
236 25.5 20.9 31.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/02/2025



#78

Pyrene

Concen: 4.551 ng

RT: 19.562 min Scan# 2818

Delta R.T. -0.018 min

Lab File: BM050069.D

Acq: 01 May 2025 18:02

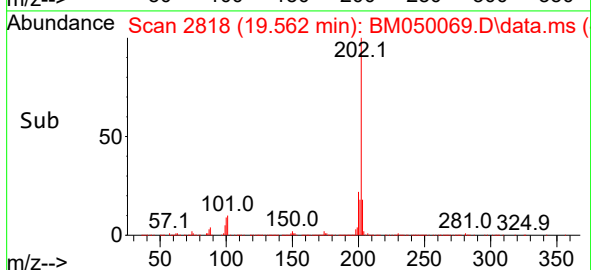
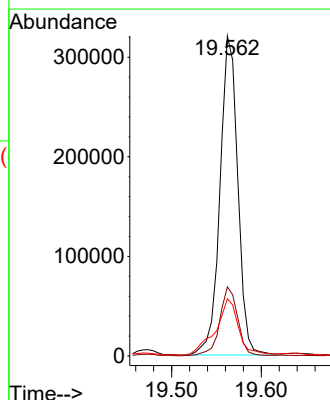
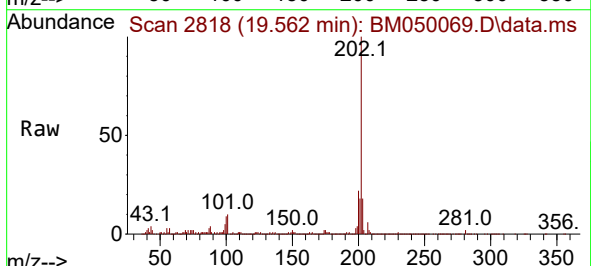
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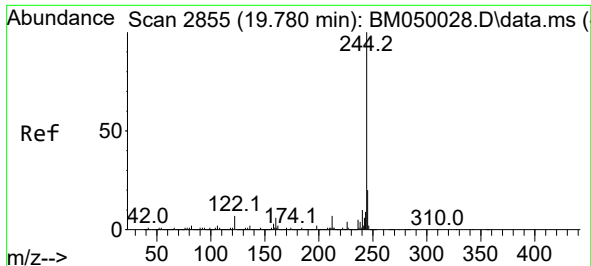
Ion Ratio Lower Upper

202 100

200 21.6 16.7 25.1

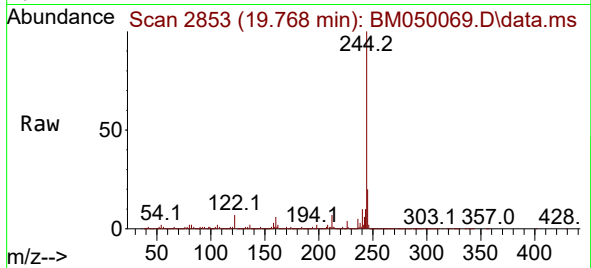
203 17.9 14.1 21.1





#79
 Terphenyl-d14
 Concen: 34.654 ng
 RT: 19.768 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050069.D
 Acq: 01 May 2025 18:02

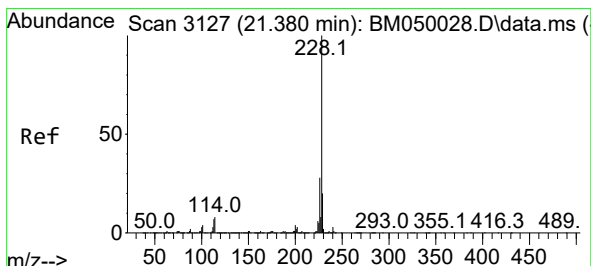
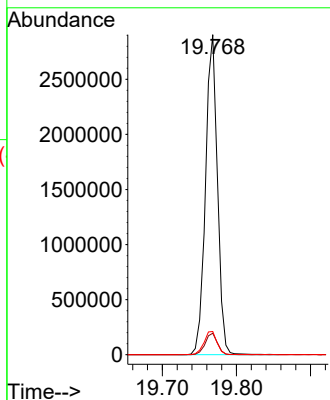
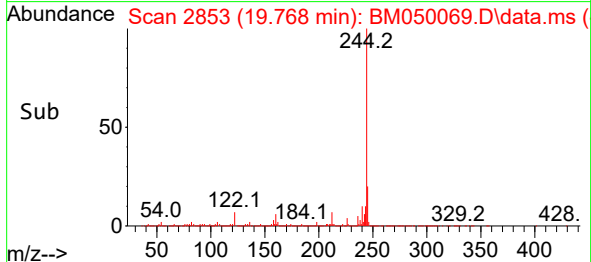
Instrument :
 BNA_M
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 WC-1



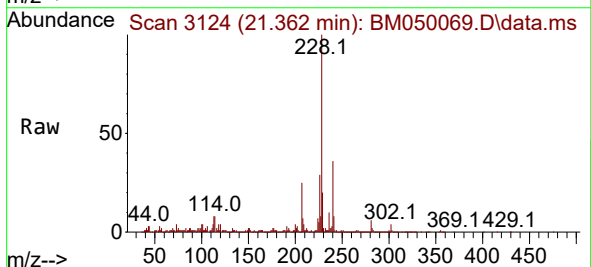
Tgt Ion:244 Resp: 324694
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 7.2 5.6 8.4

Manual Integrations
 APPROVED

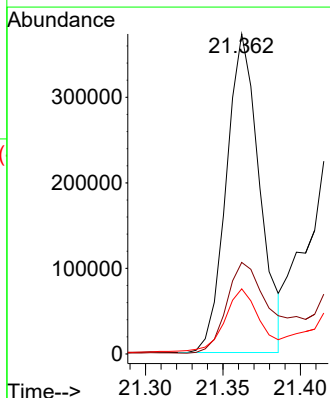
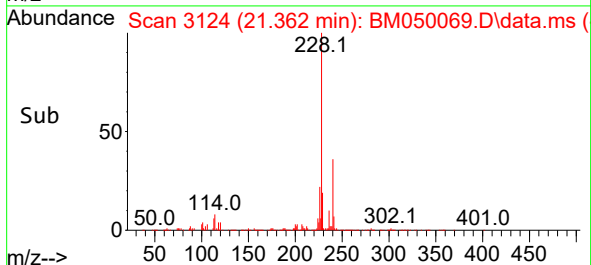
Reviewed By :Rahul Chavli 05/02/2025
 Supervised By :Jagrut Upadhyay 05/02/2025

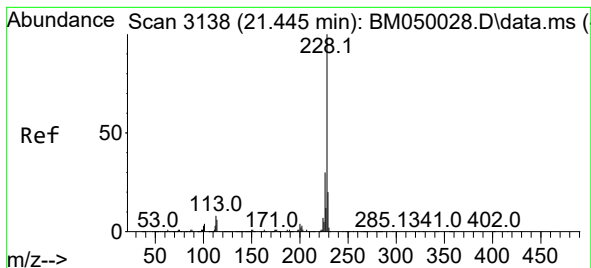


#81
 Benzo(a)anthracene
 Concen: 5.826 ng
 RT: 21.362 min Scan# 3124
 Delta R.T. -0.018 min
 Lab File: BM050069.D
 Acq: 01 May 2025 18:02



Tgt Ion:228 Resp: 556207
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.1 33.1
 229 20.4 15.7 23.5





#83

Chrysene

Concen: 6.467 ng

RT: 21.421 min Scan# 3138

Delta R.T. -0.024 min

Lab File: BM050069.D

Acq: 01 May 2025 18:02

Instrument :

BNA_M

ClientSampleId :

WC-1

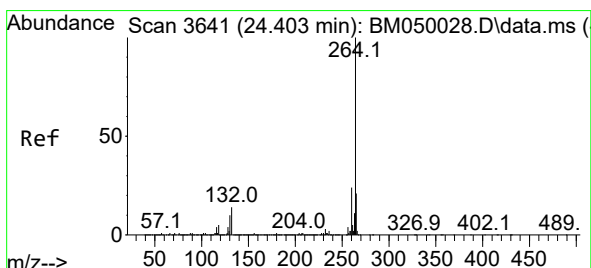
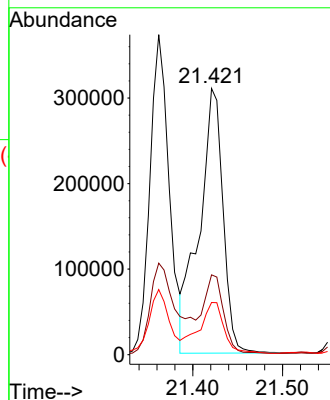
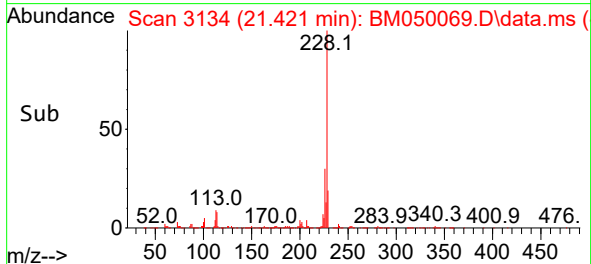
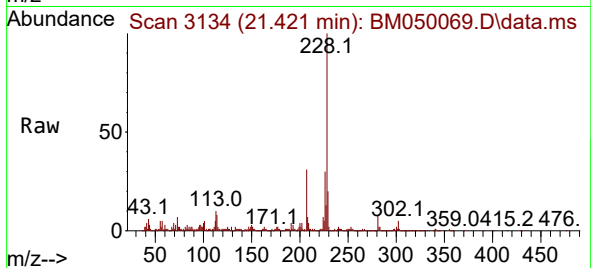
Tgt Ion:	228	Resp:	571490
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.2	36.2
229	19.6	15.7	23.5

Manual Integrations

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Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025



#86

Perylene-d12

Concen: 20.000 ng

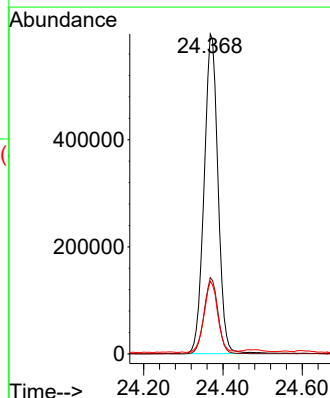
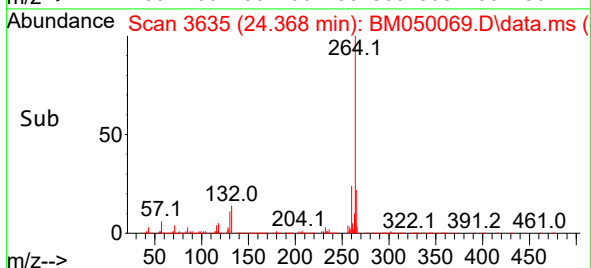
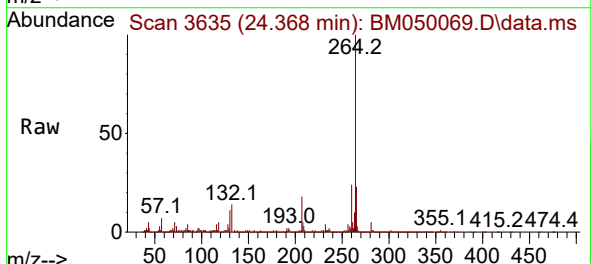
RT: 24.368 min Scan# 3635

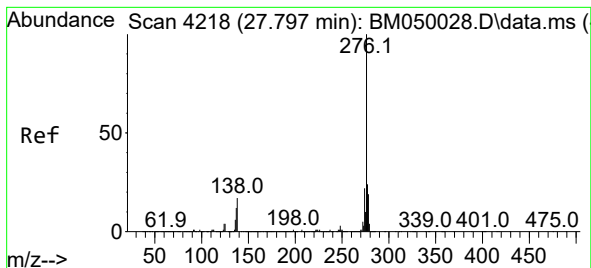
Delta R.T. -0.035 min

Lab File: BM050069.D

Acq: 01 May 2025 18:02

Tgt Ion:	264	Resp:	1453416
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.8	28.2
265	22.7	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.361 ng

RT: 27.744 min Scan# 41

Delta R.T. -0.053 min

Lab File: BM050069.D

Acq: 01 May 2025 18:02

Instrument :

BNA_M

ClientSampleId :

WC-1

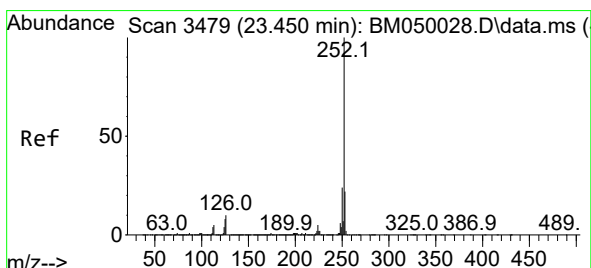
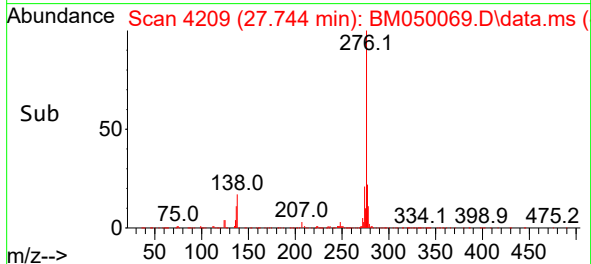
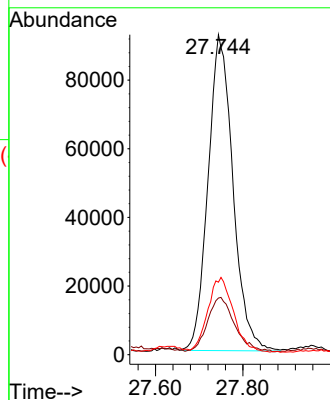
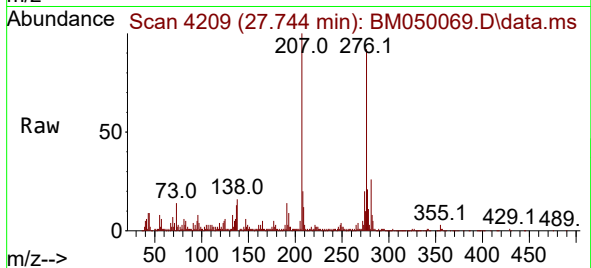
Tgt Ion:276 Resp: 36393
 Ion Ratio Lower Upper
 276 100
 138 18.8 16.4 24.6
 277 24.2 19.8 29.8

Manual Integrations

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Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025



#88

Benzo(b)fluoranthene

Concen: 9.767 ng

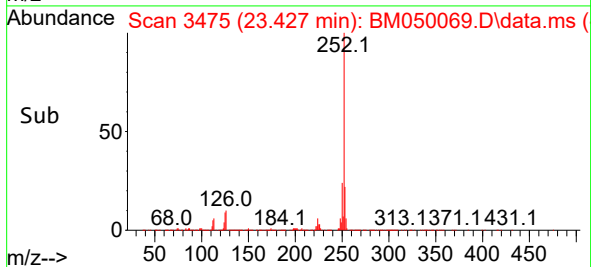
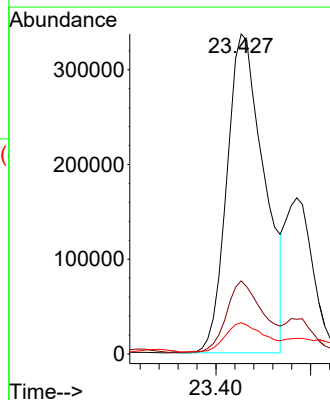
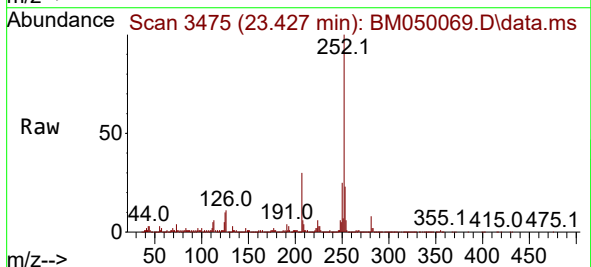
RT: 23.427 min Scan# 3475

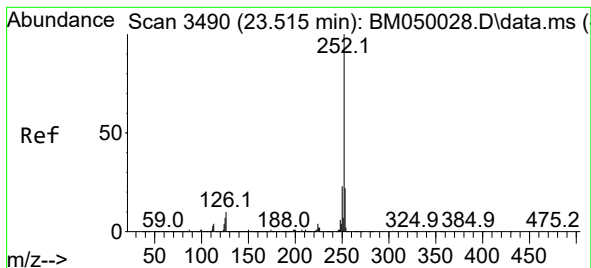
Delta R.T. -0.024 min

Lab File: BM050069.D

Acq: 01 May 2025 18:02

Tgt Ion:252 Resp: 923170
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.7 26.5
 125 9.8 6.1 9.1#





#89

Benzo(k)fluoranthene

Concen: 3.444 ng m

RT: 23.485 min Scan# 34

Delta R.T. -0.030 min

Lab File: BM050069.D

Acq: 01 May 2025 18:02

Instrument :

BNA_M

ClientSampleId :

WC-1

Tgt Ion:252 Resp: 32931

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

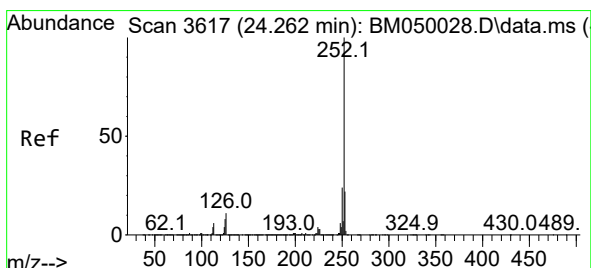
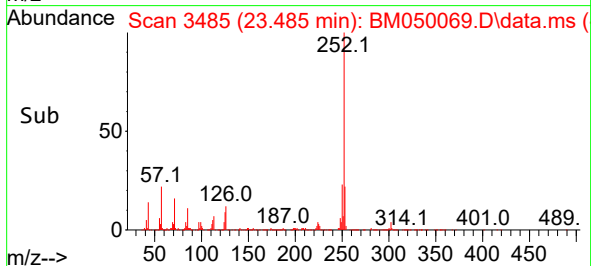
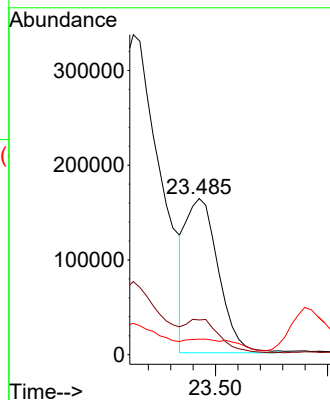
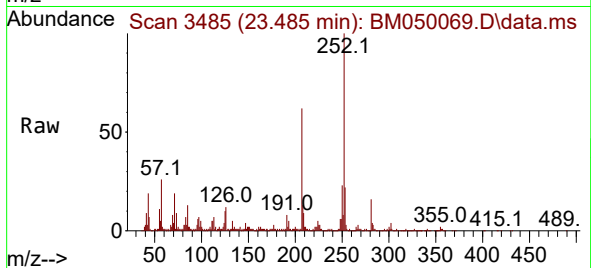
125 9.9 5.8 8.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025



#90

Benzo(a)pyrene

Concen: 5.972 ng

RT: 24.227 min Scan# 3611

Delta R.T. -0.035 min

Lab File: BM050069.D

Acq: 01 May 2025 18:02

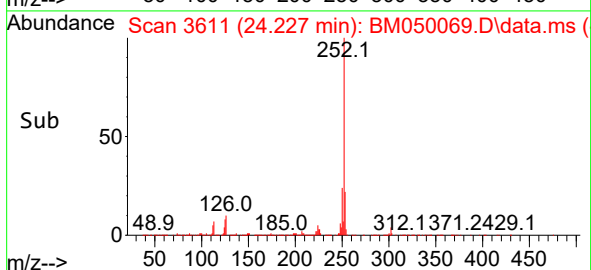
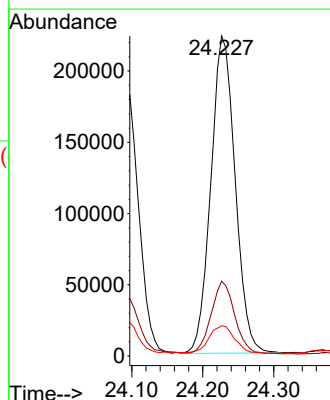
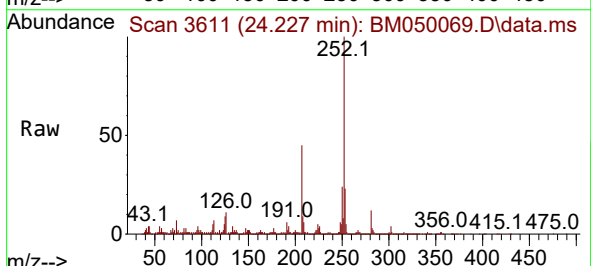
Tgt Ion:252 Resp: 528653

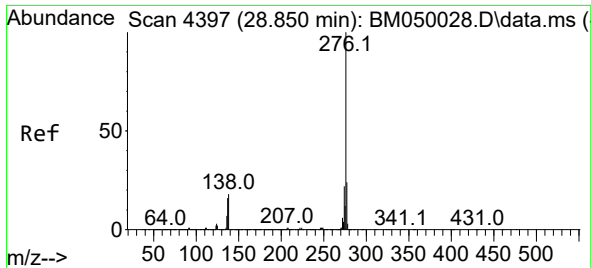
Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

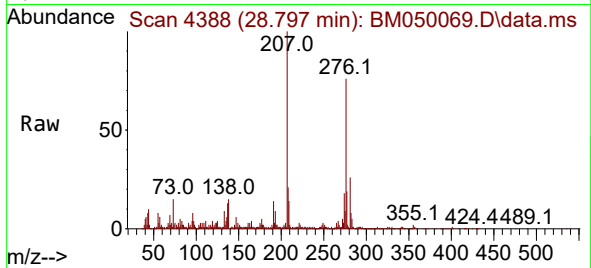
125 9.4 6.6 9.8





#92
Benzo(g,h,i)perylene
Concen: 4.023 ng
RT: 28.797 min Scan# 41
Delta R.T. -0.053 min
Lab File: BM050069.D
Acq: 01 May 2025 18:02

Instrument :
BNA_M
ClientSampleId :
WC-1



Tgt Ion:276 Resp: 340020
Ion Ratio Lower Upper
276 100
277 25.5 19.1 28.7
138 19.5 14.3 21.5

Manual Integrations
APPROVED

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

