

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
 Data File : BM049810.D
 Acq On : 03 Apr 2025 17:53
 Operator : RC/JU
 Sample : Q1695-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TT-3

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/04/2025
 Supervised By :Jagrut Upadhyay 04/04/2025

Quant Time: Apr 04 01:00:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 13 14:55:34 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.786	152	343499	20.000	ng	-0.02
21) Naphthalene-d8	10.580	136	1192984	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	750072	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1472589	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1490714	20.000	ng	-0.02
86) Perylene-d12	24.403	264	1559523	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	2046714	100.538	ng	-0.02
7) Phenol-d6	6.957	99	2663833	104.269	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1545124	66.497	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	1097742	125.333	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	3298978	55.082	ng	-0.02
79) Terphenyl-d14	19.792	244	4917631	55.590	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.209	178	259945	3.179	ng	98
75) Fluoranthene	19.227	202	821361	8.725	ng	99
78) Pyrene	19.586	202	1313617	12.613	ng	100
81) Benzo(a)anthracene	21.386	228	662051	6.649	ng	99
83) Chrysene	21.444	228	623248	6.603	ng	98
87) Indeno(1,2,3-cd)pyrene	27.779	276	596078	5.310	ng	97
88) Benzo(b)fluoranthene	23.456	252	848846	8.081	ng	# 96
89) Benzo(k)fluoranthene	23.515	252	312748m	3.026	ng	
90) Benzo(a)pyrene	24.262	252	774213	8.775	ng	98
92) Benzo(g,h,i)perylene	28.832	276	660311	7.010	ng	98

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

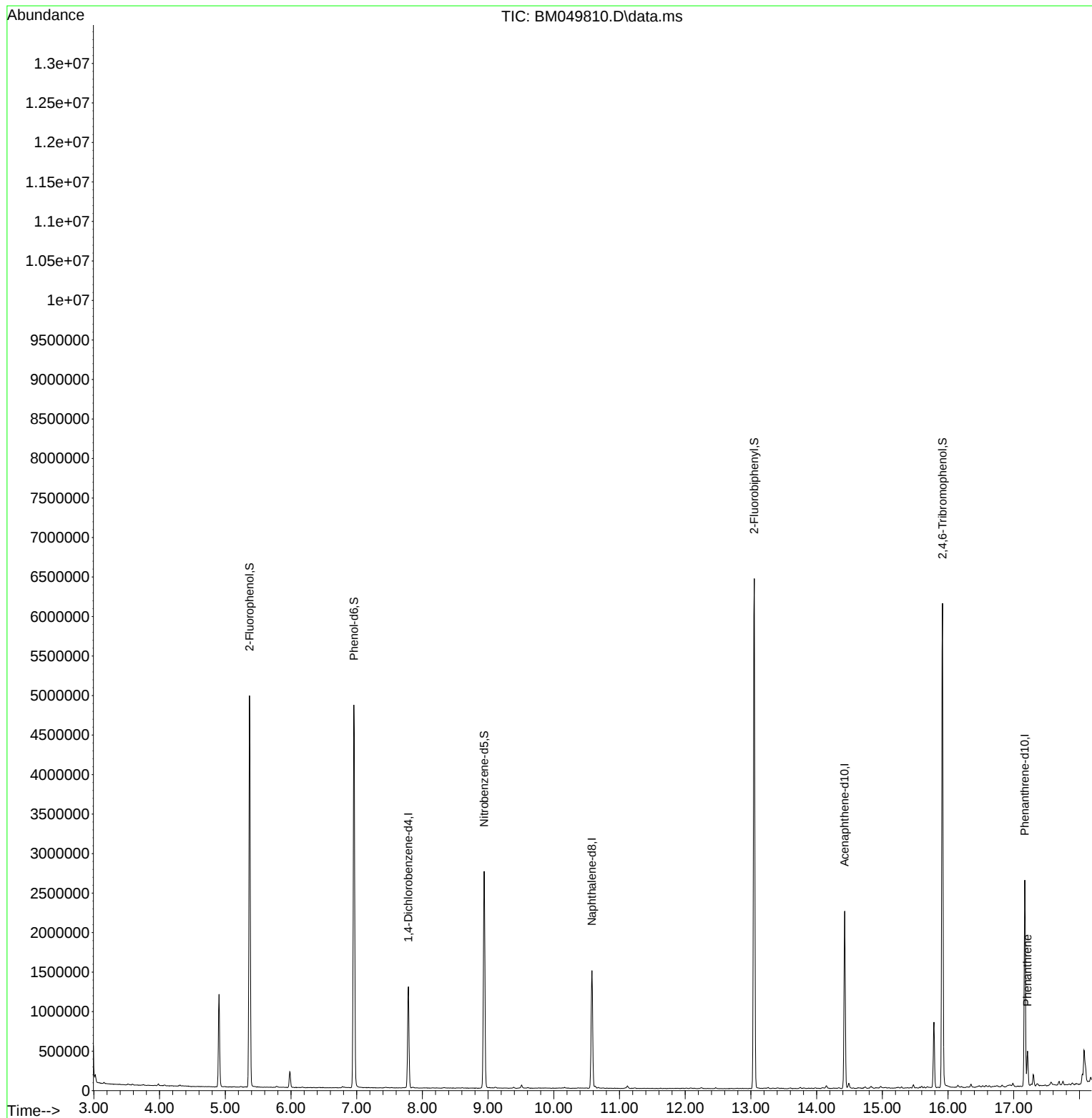
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
Data File : BM049810.D
Acq On : 03 Apr 2025 17:53
Operator : RC/JU
Sample : Q1695-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TT-3

Quant Time: Apr 04 01:00:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

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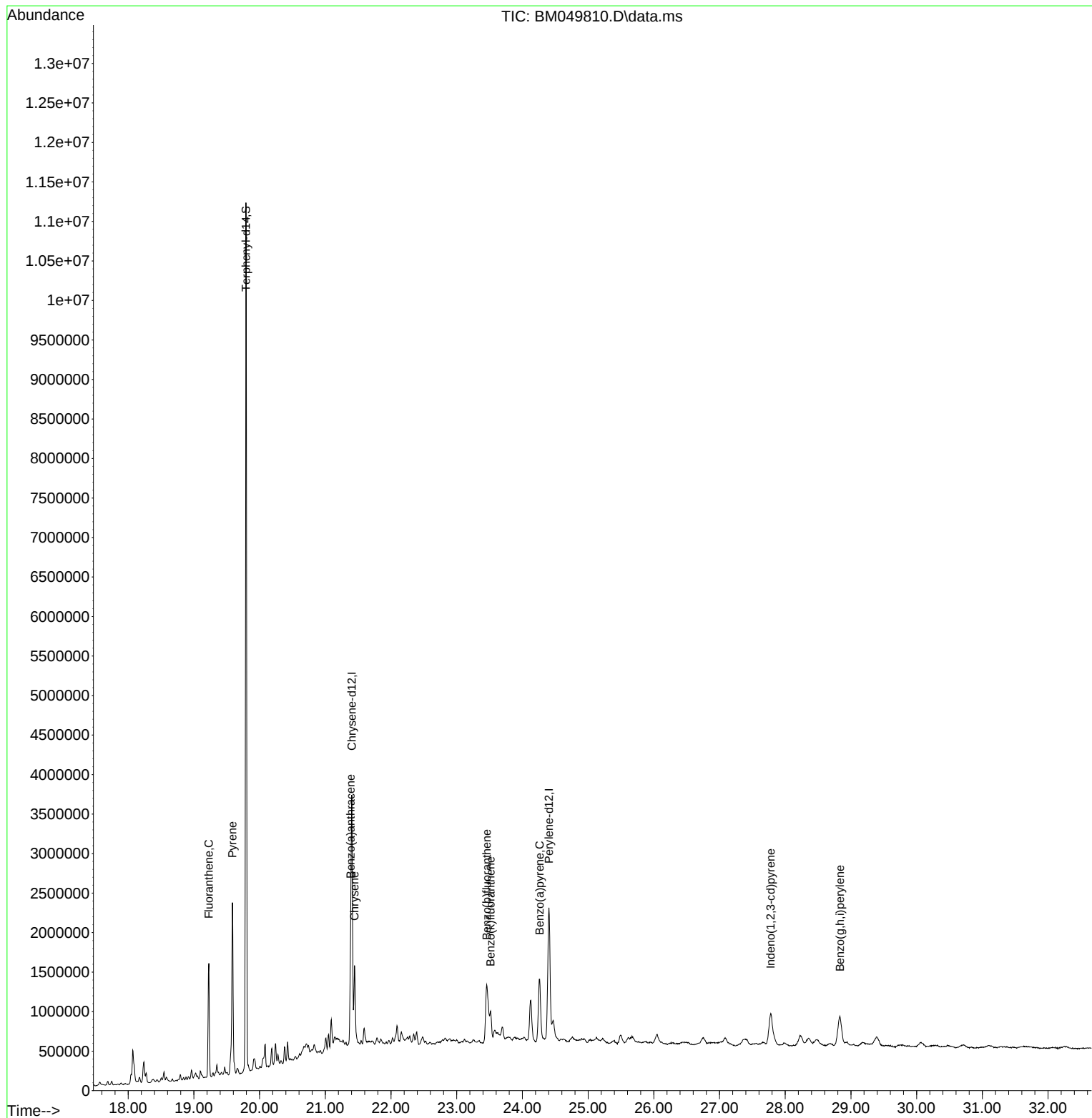
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Data File : BM049810.D
Acq On : 03 Apr 2025 17:53
Operator : RC/JU
Sample : Q1695-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

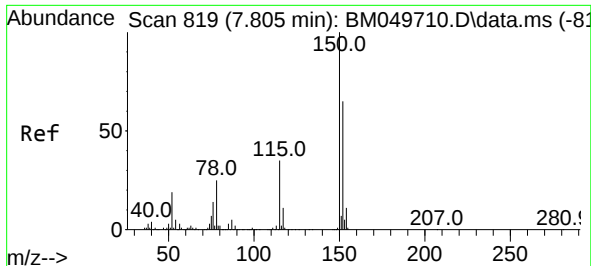
Instrument :
BNA_M
ClientSampleId :
TT-3

Quant Time: Apr 04 01:00:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
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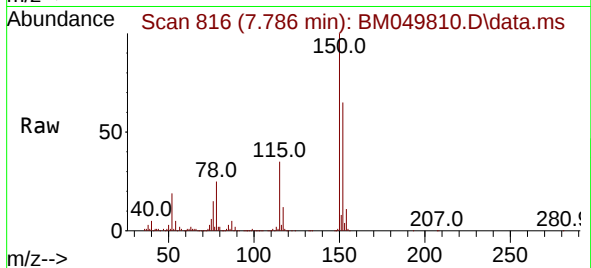
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.786 min Scan# 819
Delta R.T. -0.019 min
Lab File: BM049810.D
Acq: 03 Apr 2025 17:53

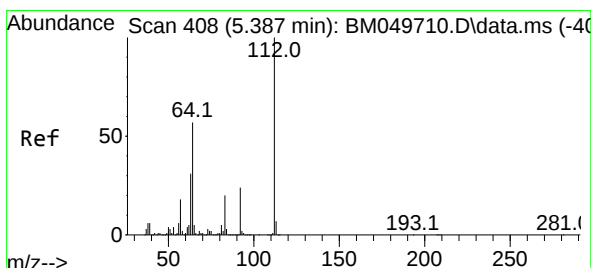
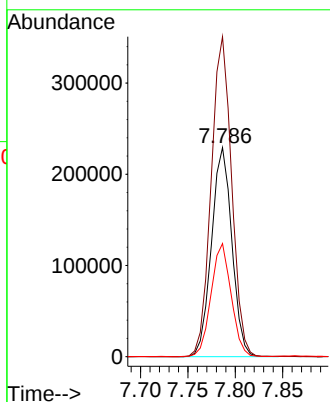
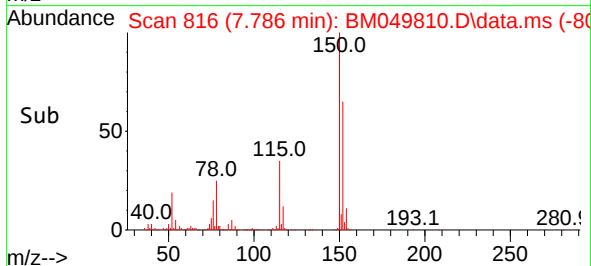
Instrument :
BNA_M
ClientSampleId :
TT-3



Tgt Ion:152 Resp: 343498
Ion Ratio Lower Upper
152 100
150 153.0 123.8 185.8
115 54.1 43.0 64.6

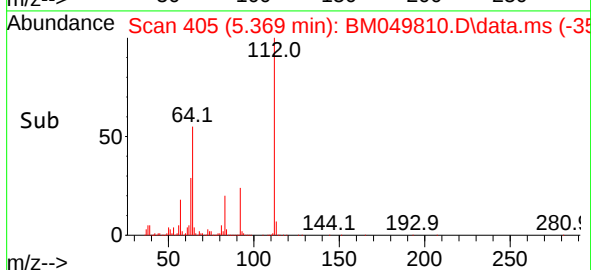
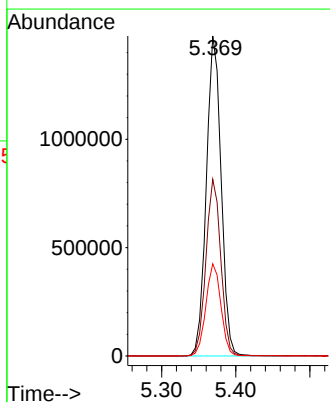
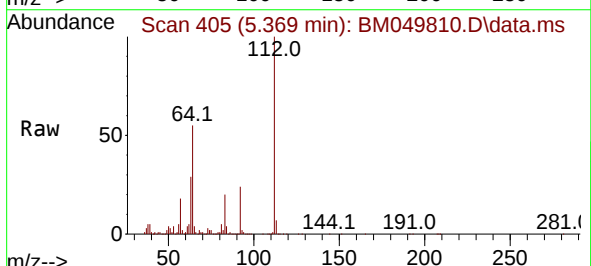
Manual Integrations
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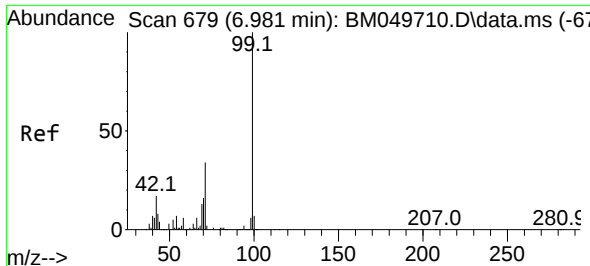
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025



#5
2-Fluorophenol
Concen: 100.538 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049810.D
Acq: 03 Apr 2025 17:53

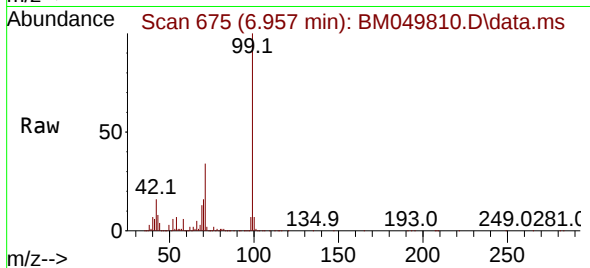
Tgt Ion:112 Resp: 2046714
Ion Ratio Lower Upper
112 100
64 55.2 45.3 67.9
63 28.8 24.4 36.6





#7
Phenol-d6
Concen: 104.269 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.024 min
Lab File: BM049810.D
Acq: 03 Apr 2025 17:53

Instrument :
BNA_M
ClientSampleId :
TT-3

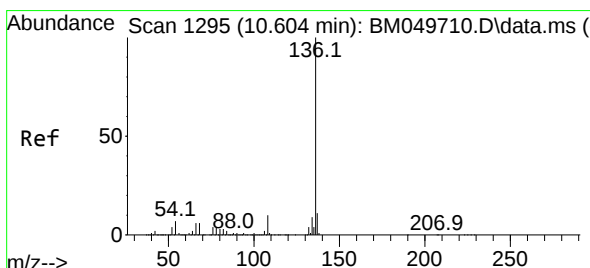
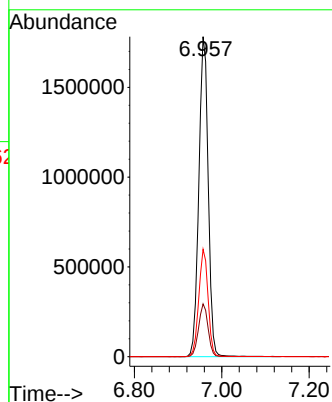
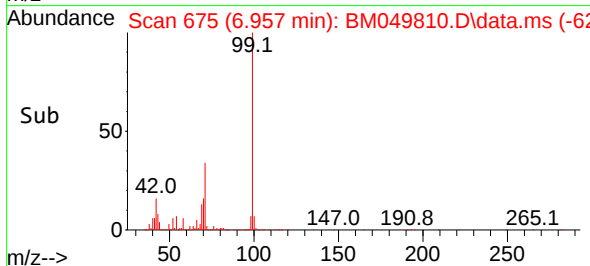


Tgt Ion: 99 Resp: 266383

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.6	20.4
71	33.6	27.0	40.6

Manual Integrations
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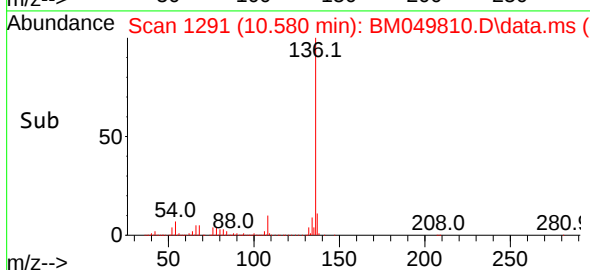
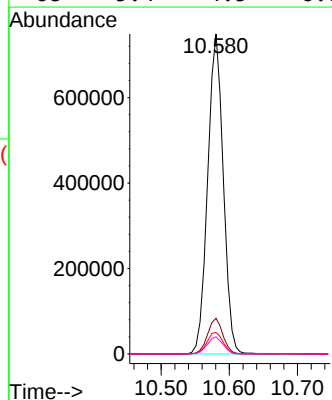
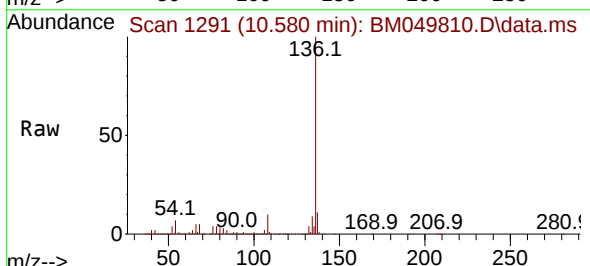
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025

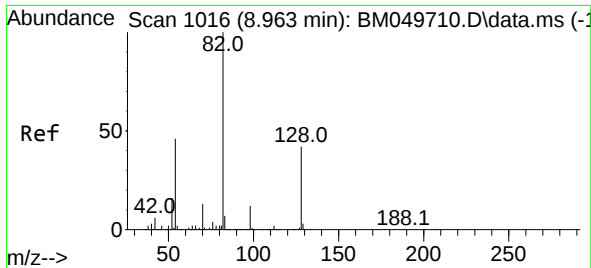


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049810.D
Acq: 03 Apr 2025 17:53

Tgt Ion:136 Resp: 1192984

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	6.7	5.8	8.8
68	5.4	4.5	6.7





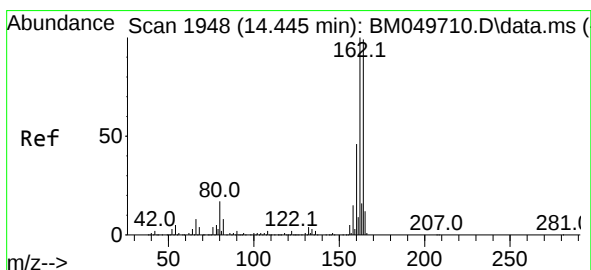
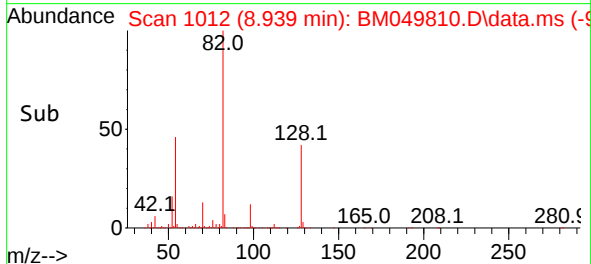
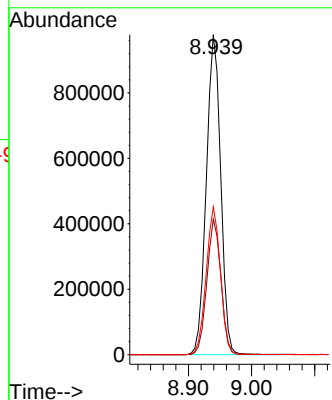
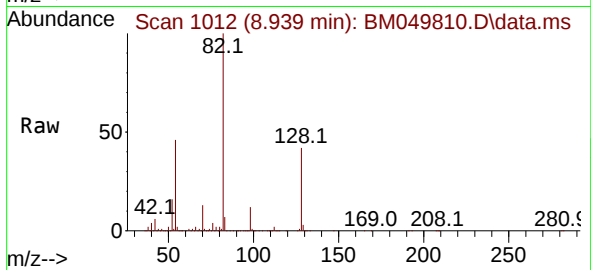
#23
Nitrobenzene-d5
Concen: 66.497 ng
RT: 8.939 min Scan# 1016
Delta R.T. -0.024 min
Lab File: BM049810.D
Acq: 03 Apr 2025 17:53

Instrument :
BNA_M
ClientSampleId :
TT-3

Tgt Ion: 82 Resp: 1545124
Ion Ratio Lower Upper
82 100
128 42.4 33.4 50.0
54 46.2 36.4 54.6

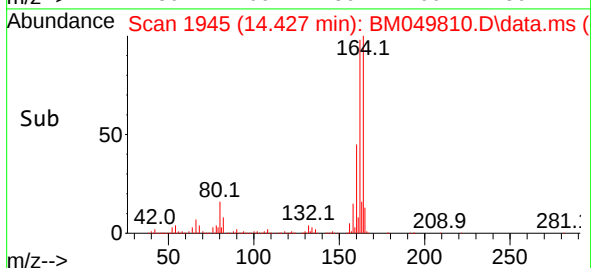
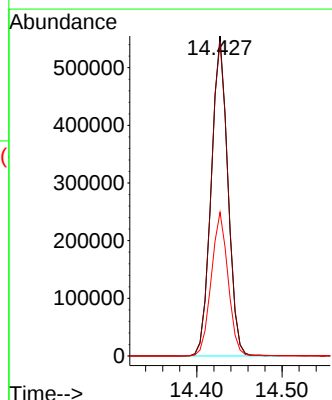
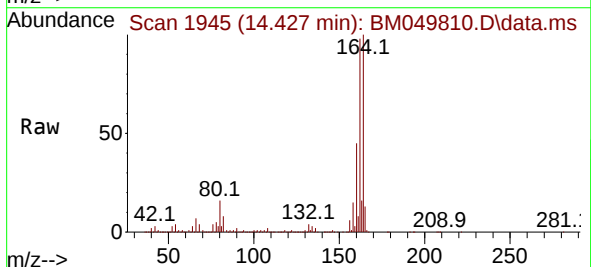
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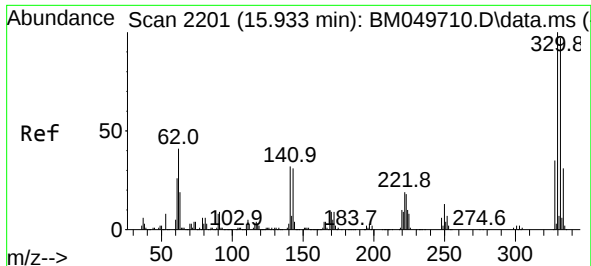
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049810.D
Acq: 03 Apr 2025 17:53

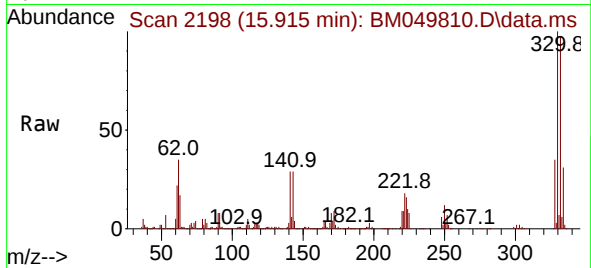
Tgt Ion:164 Resp: 750072
Ion Ratio Lower Upper
164 100
162 98.2 80.5 120.7
160 44.9 36.9 55.3





#42
2,4,6-Tribromophenol
Concen: 125.333 ng
RT: 15.915 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049810.D
Acq: 03 Apr 2025 17:53

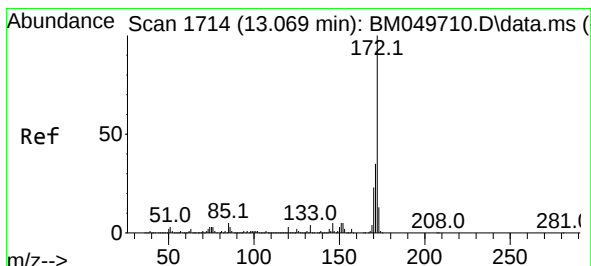
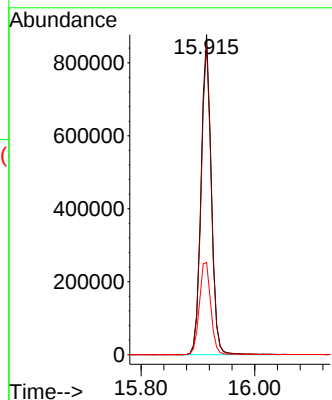
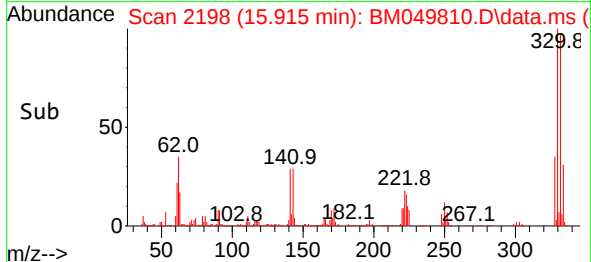
Instrument :
BNA_M
ClientSampleId :
TT-3



Tgt Ion:330 Resp: 109774
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.4
141 32.1 27.8 41.6

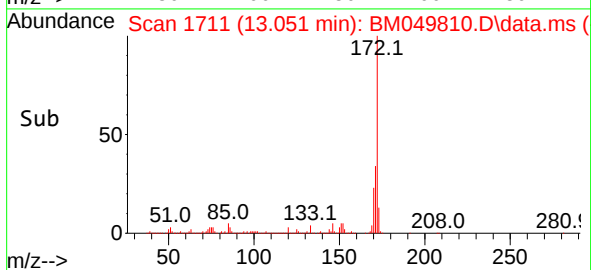
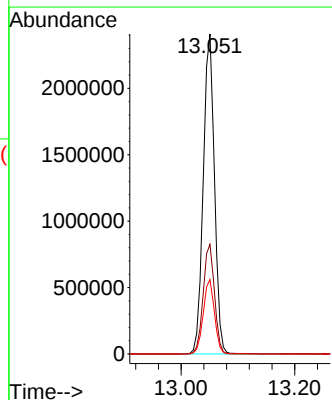
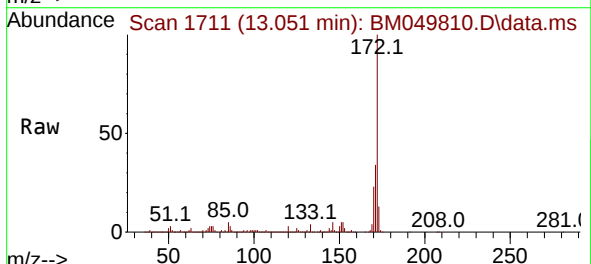
Manual Integrations
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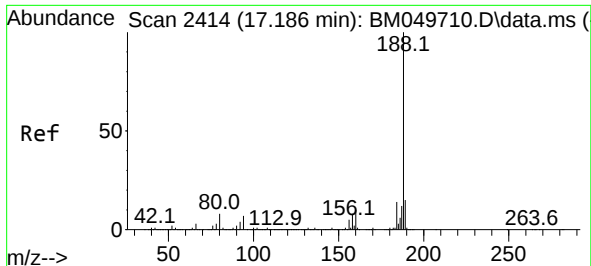
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025



#45
2-Fluorobiphenyl
Concen: 55.082 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BM049810.D
Acq: 03 Apr 2025 17:53

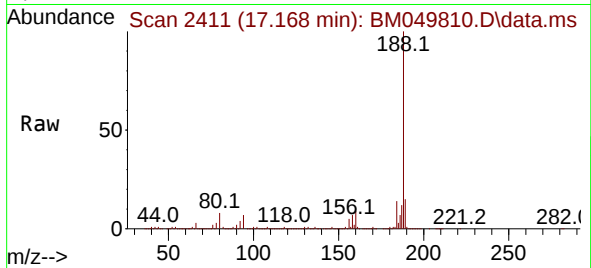
Tgt Ion:172 Resp: 3298978
Ion Ratio Lower Upper
172 100
171 34.2 27.9 41.9
170 23.2 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 2414
Delta R.T. -0.018 min
Lab File: BM049810.D
Acq: 03 Apr 2025 17:53

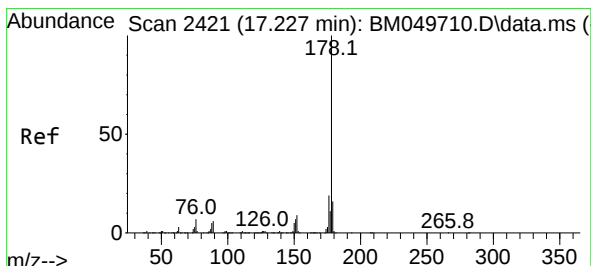
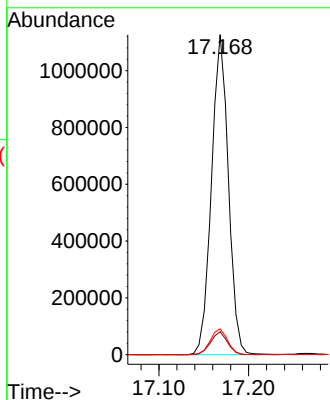
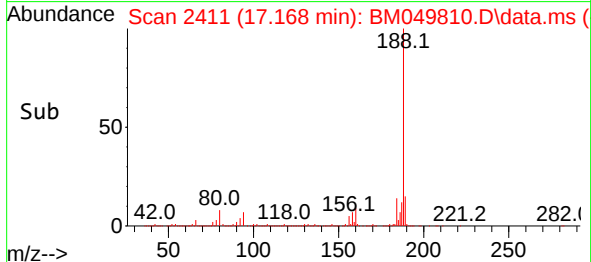
Instrument :
BNA_M
ClientSampleId :
TT-3



Tgt Ion:188 Resp: 1472589
Ion Ratio Lower Upper
188 100
94 7.2 5.8 8.6
80 8.1 6.3 9.5

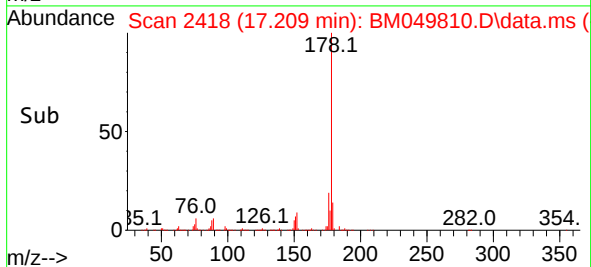
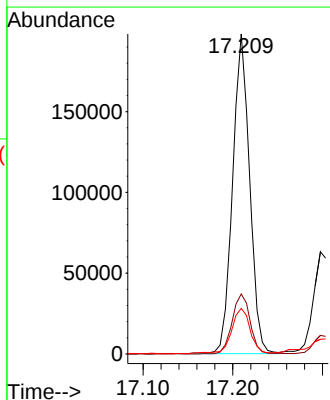
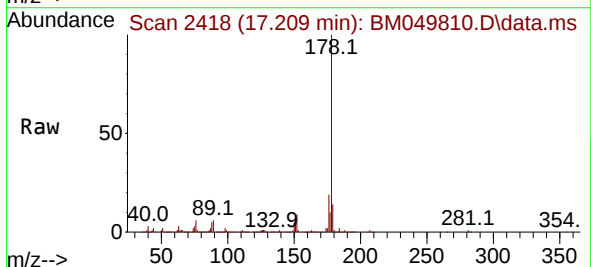
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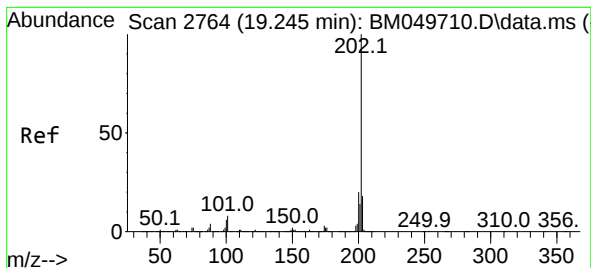
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025



#71
Phenanthrene
Concen: 3.179 ng
RT: 17.209 min Scan# 2418
Delta R.T. -0.018 min
Lab File: BM049810.D
Acq: 03 Apr 2025 17:53

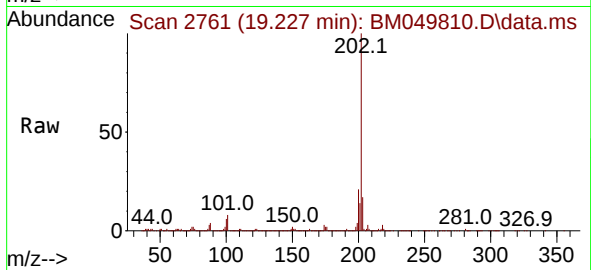
Tgt Ion:178 Resp: 259945
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 14.2 12.5 18.7





#75
Fluoranthene
Concen: 8.725 ng
RT: 19.227 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049810.D
Acq: 03 Apr 2025 17:53

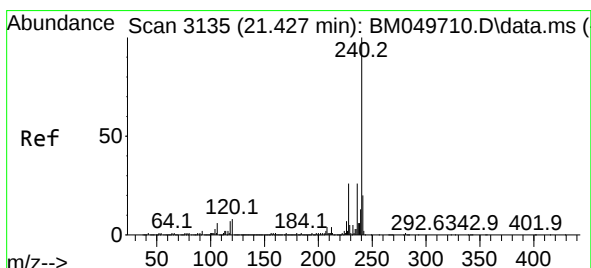
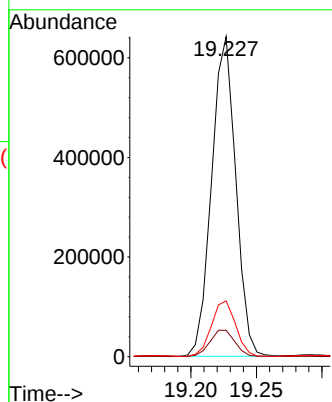
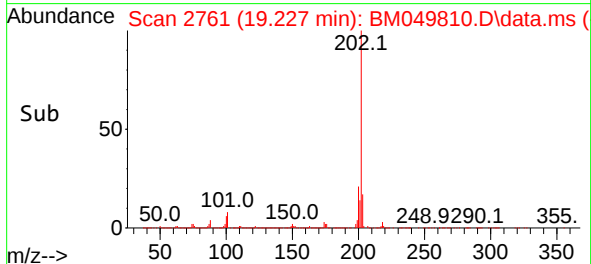
Instrument :
BNA_M
ClientSampleId :
TT-3



Tgt Ion:202 Resp: 82136
Ion Ratio Lower Upper
202 100
101 8.2 0.0 27.8
203 17.5 0.0 37.6

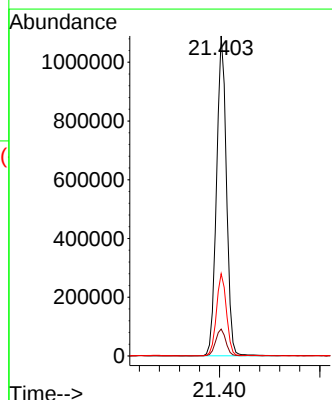
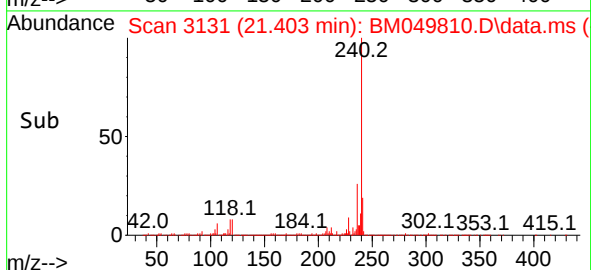
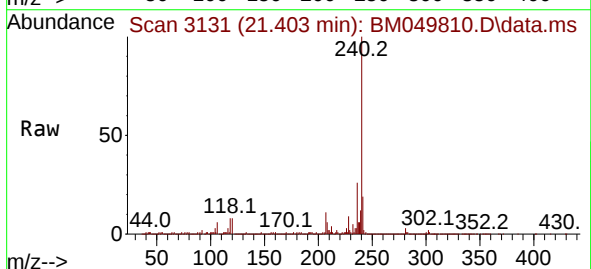
Manual Integrations
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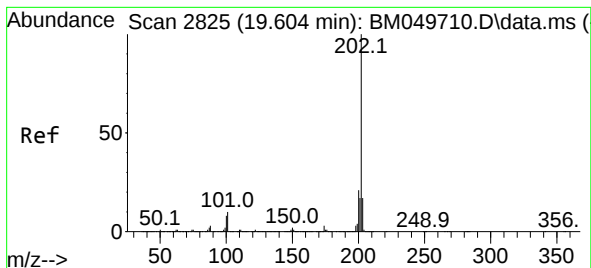
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049810.D
Acq: 03 Apr 2025 17:53

Tgt Ion:240 Resp: 1490714
Ion Ratio Lower Upper
240 100
120 8.4 6.5 9.7
236 25.7 20.7 31.1





#78

Pyrene

Concen: 12.613 ng

RT: 19.586 min Scan# 2822

Delta R.T. -0.018 min

Lab File: BM049810.D

Acq: 03 Apr 2025 17:53

Instrument :

BNA_M

ClientSampleId :

TT-3

Tgt Ion:202 Resp: 131361

Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

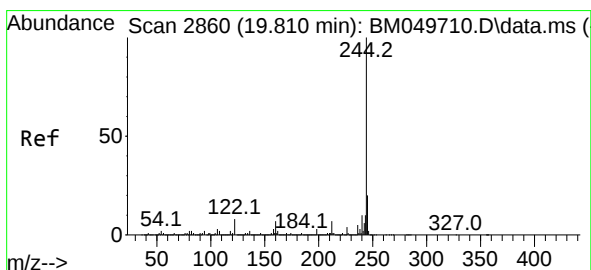
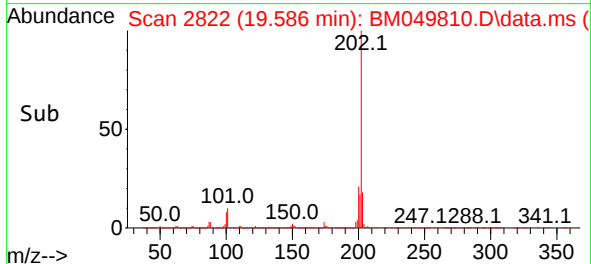
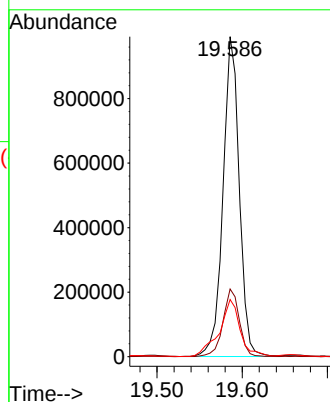
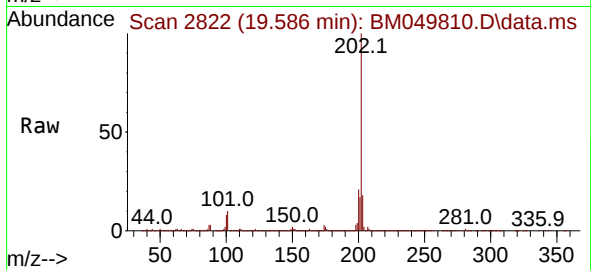
203 17.8 14.0 21.0

Manual Integrations

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Reviewed By :Rahul Chavli 04/04/2025

Supervised By :Jagrut Upadhyay 04/04/2025



#79

Terphenyl-d14

Concen: 55.590 ng

RT: 19.792 min Scan# 2857

Delta R.T. -0.018 min

Lab File: BM049810.D

Acq: 03 Apr 2025 17:53

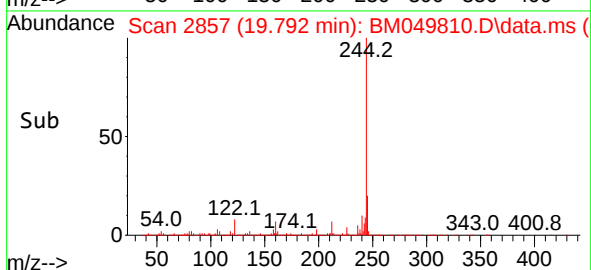
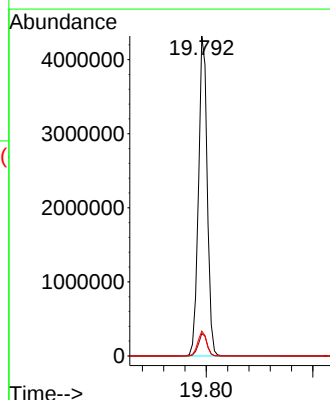
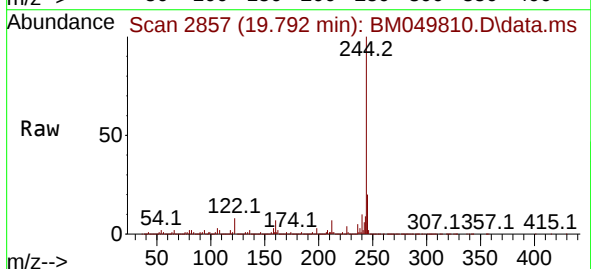
Tgt Ion:244 Resp: 4917631

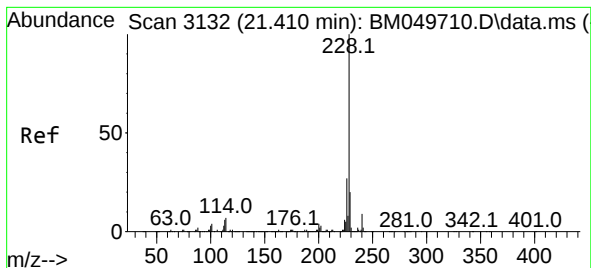
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 7.7 6.0 9.0





#81

Benzo(a)anthracene

Concen: 6.649 ng

RT: 21.386 min Scan# 3132

Delta R.T. -0.024 min

Lab File: BM049810.D

Acq: 03 Apr 2025 17:53

Instrument :

BNA_M

ClientSampleId :

TT-3

Tgt Ion:228 Resp: 66205

Ion Ratio Lower Upper

228 100

226 28.1 22.0 33.0

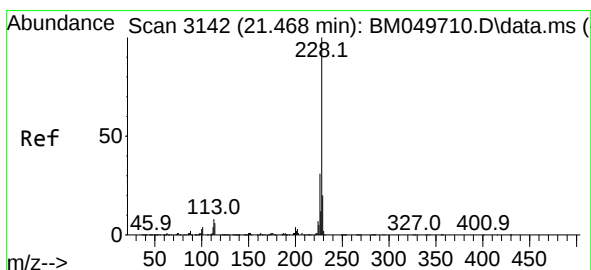
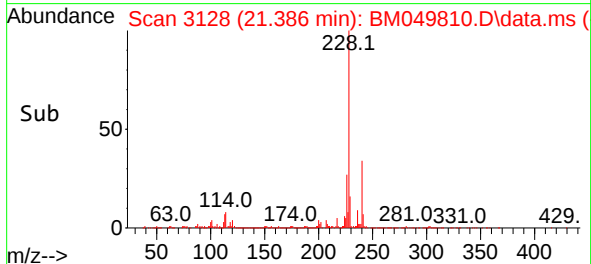
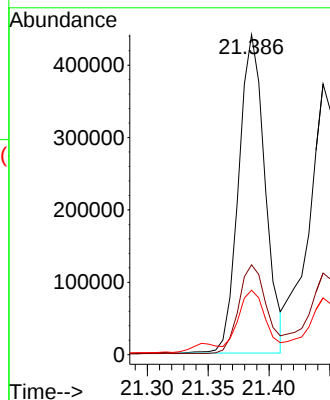
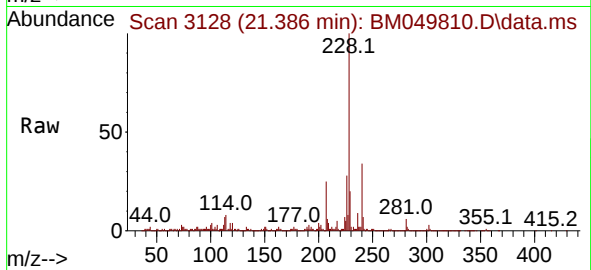
229 20.2 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/04/2025

Supervised By :Jagrut Upadhyay 04/04/2025



#83

Chrysene

Concen: 6.603 ng

RT: 21.444 min Scan# 3138

Delta R.T. -0.024 min

Lab File: BM049810.D

Acq: 03 Apr 2025 17:53

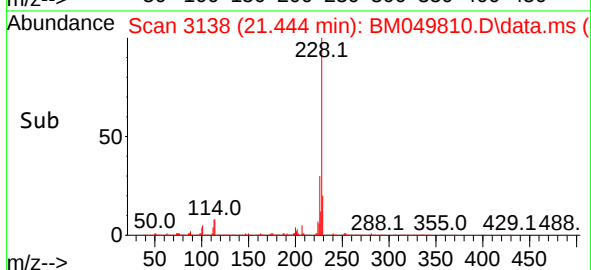
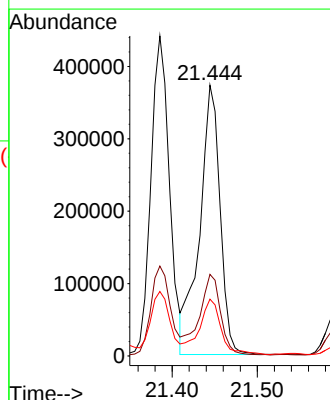
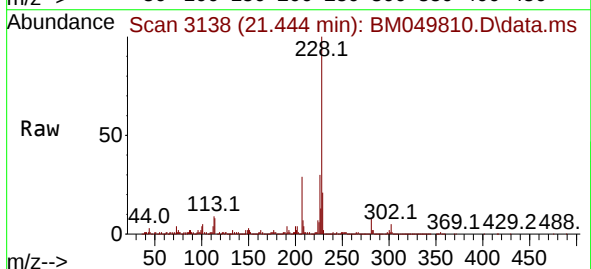
Tgt Ion:228 Resp: 623248

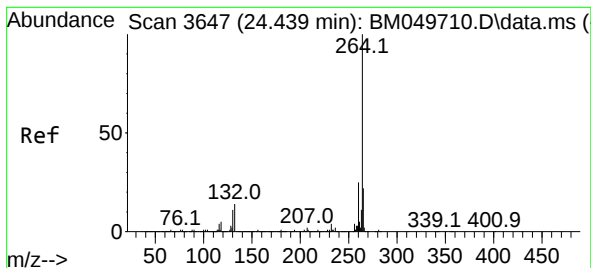
Ion Ratio Lower Upper

228 100

226 30.1 24.5 36.7

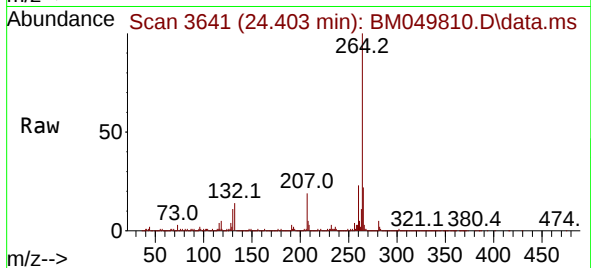
229 21.0 15.8 23.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.403 min Scan# 30
 Delta R.T. -0.036 min
 Lab File: BM049810.D
 Acq: 03 Apr 2025 17:53

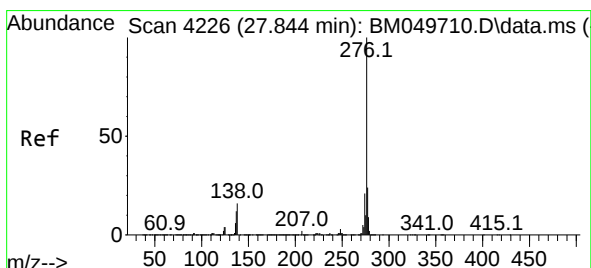
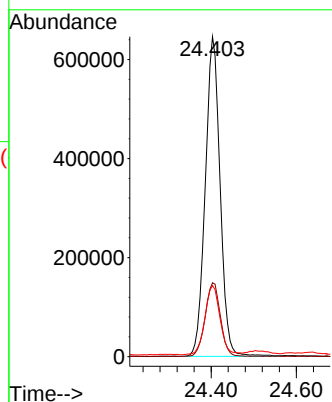
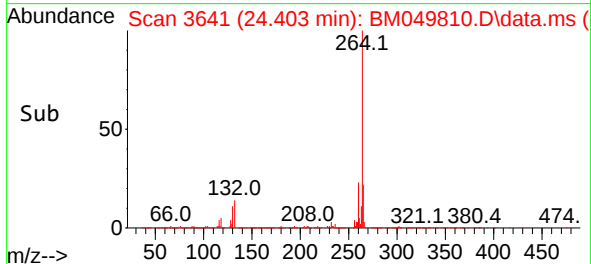
Instrument :
 BNA_M
 ClientSampleId :
 TT-3



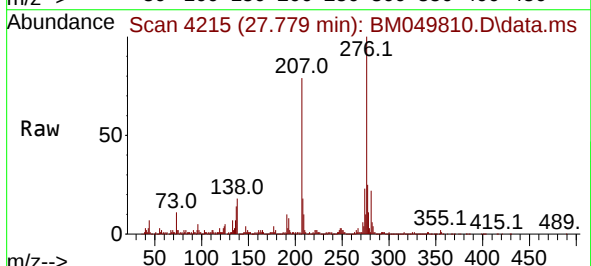
Tgt Ion:264 Resp: 155952
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.6 29.4
 265 22.2 18.2 27.2

Manual Integrations
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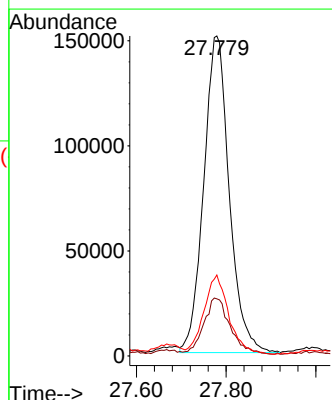
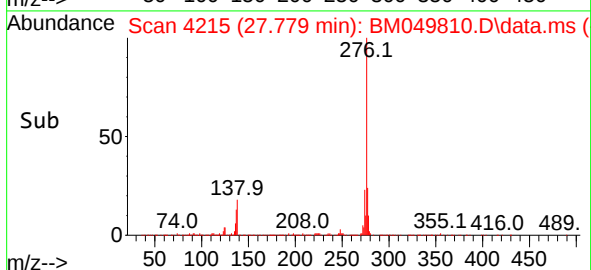
Reviewed By :Rahul Chavli 04/04/2025
 Supervised By :Jagrut Upadhyay 04/04/2025

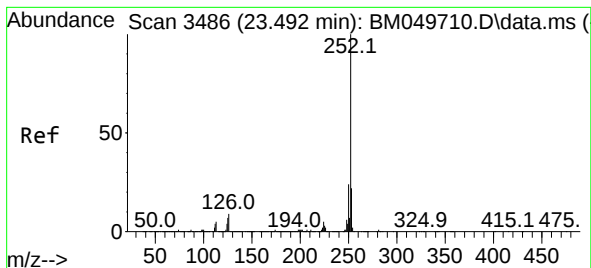


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.310 ng
 RT: 27.779 min Scan# 4215
 Delta R.T. -0.065 min
 Lab File: BM049810.D
 Acq: 03 Apr 2025 17:53



Tgt Ion:276 Resp: 596078
 Ion Ratio Lower Upper
 276 100
 138 18.1 16.3 24.5
 277 24.5 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 8.081 ng

RT: 23.456 min Scan# 3486

Delta R.T. -0.036 min

Lab File: BM049810.D

Acq: 03 Apr 2025 17:53

Instrument :

BNA_M

ClientSampleId :

TT-3

Tgt Ion:252 Resp: 848840

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

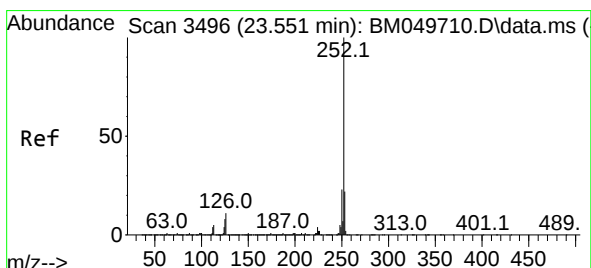
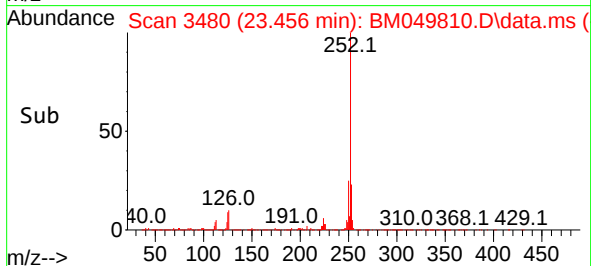
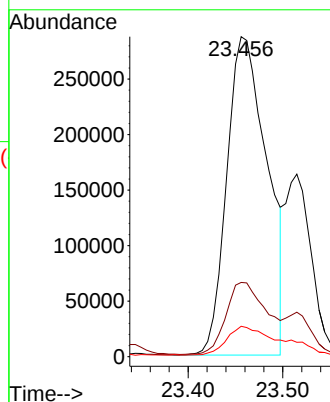
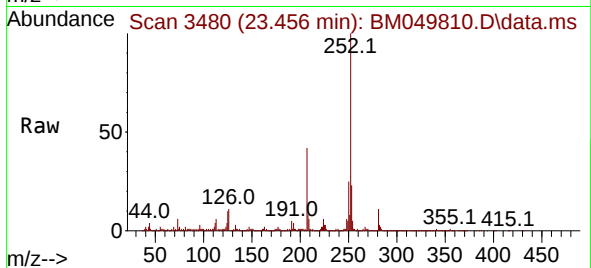
125 9.5 5.9 8.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/04/2025

Supervised By :Jagrut Upadhyay 04/04/2025



#89

Benzo(k)fluoranthene

Concen: 3.026 ng m

RT: 23.515 min Scan# 3490

Delta R.T. -0.036 min

Lab File: BM049810.D

Acq: 03 Apr 2025 17:53

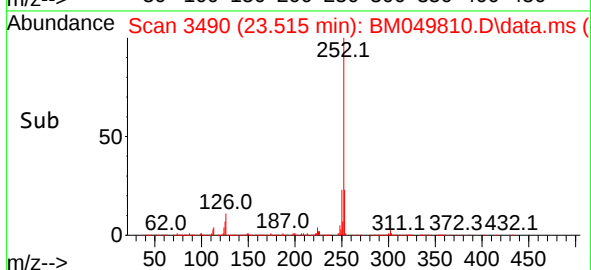
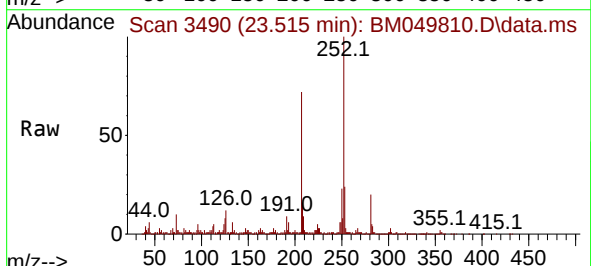
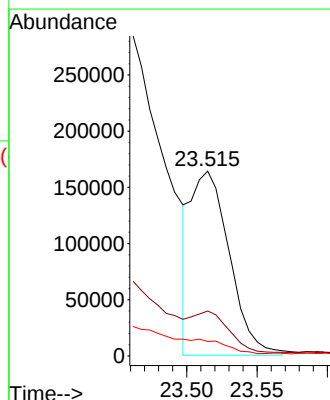
Tgt Ion:252 Resp: 312748

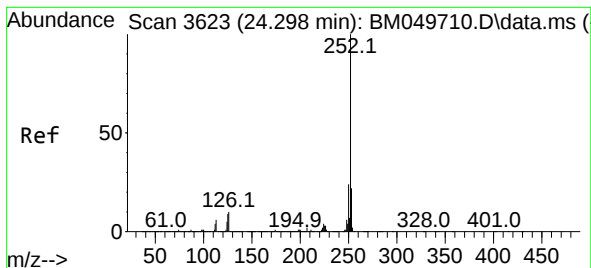
Ion Ratio Lower Upper

252 100

253 24.4 17.3 25.9

125 7.9 6.2 9.2





#90

Benzo(a)pyrene

Concen: 8.775 ng

RT: 24.262 min Scan# 30

Delta R.T. -0.036 min

Lab File: BM049810.D

Acq: 03 Apr 2025 17:53

Instrument :

BNA_M

ClientSampleId :

TT-3

Tgt Ion:252 Resp: 77421

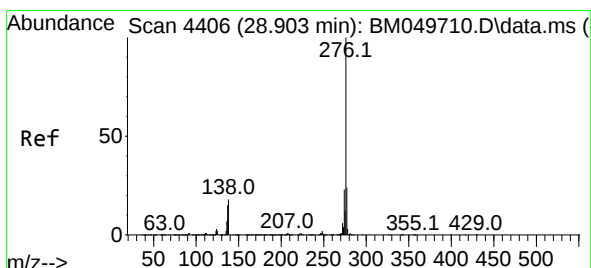
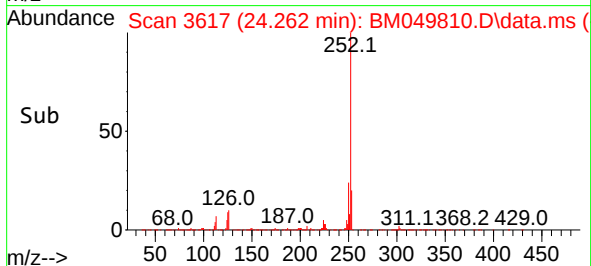
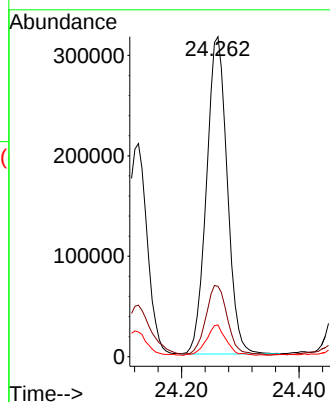
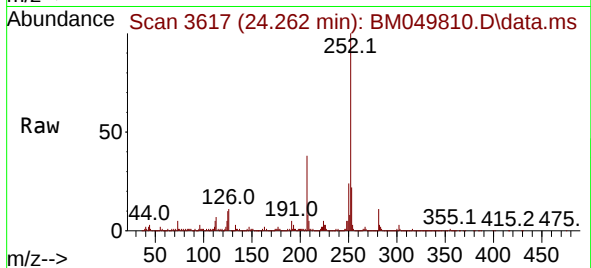
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	9.9	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/04/2025

Supervised By :Jagrut Upadhyay 04/04/2025



#92

Benzo(g,h,i)perylene

Concen: 7.010 ng

RT: 28.832 min Scan# 4394

Delta R.T. -0.071 min

Lab File: BM049810.D

Acq: 03 Apr 2025 17:53

Tgt Ion:276 Resp: 660311

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.8	28.2
138	16.0	14.0	21.0

