

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
 Data File : BM049825.D
 Acq On : 04 Apr 2025 16:01
 Operator : RC/JU
 Sample : Q1698-01DL 25X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-9DL

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 04/07/2025
 Supervised By :Jagrut Upadhyay 04/07/2025

Quant Time: Apr 04 16:51:17 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	7.787	152	261430	20.000	ng	-0.02
21) Naphthalene-d8	10.580	136	943325	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	644095	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1344834	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1405975	20.000	ng	-0.02
86) Perylene-d12	24.403	264	1484469	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	62667	4.045	ng	-0.02
7) Phenol-d6	6.957	99	82344	4.235	ng	-0.02
23) Nitrobenzene-d5	8.939	82	47492	2.585	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	26545	3.529	ng	-0.02
45) 2-Fluorobiphenyl	13.045	172	131766	2.562	ng	-0.02
79) Terphenyl-d14	19.792	244	203629	2.441	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.628	128	276759	5.706	ng	98
37) 2-Methylnaphthalene	12.245	142	81602	2.406	ng	99
52) Acenaphthene	14.492	154	147356	4.159	ng	98
55) Dibenzofuran	14.827	168	203870	3.454	ng	98
58) Fluorene	15.474	166	191234	3.979	ng	98
71) Phenanthrene	17.209	178	2878489	38.547	ng	100
72) Anthracene	17.304	178	477019	6.596	ng	99
73) Carbazole	17.568	167	191124	2.918	ng	99
75) Fluoranthene	19.227	202	3059549	35.587	ng	99
78) Pyrene	19.586	202	2757781	28.075	ng	99
81) Benzo(a)anthracene	21.386	228	1080182	11.502	ng	98
83) Chrysene	21.444	228	962515m	10.812	ng	
87) Indeno(1,2,3-cd)pyrene	27.779	276	528308	4.945	ng	97
88) Benzo(b)fluoranthene	23.456	252	1077547	10.777	ng	# 98
89) Benzo(k)fluoranthene	23.515	252	393265m	3.997	ng	
90) Benzo(a)pyrene	24.262	252	864280	10.291	ng	98
92) Benzo(g,h,i)perylene	28.826	276	529070	5.900	ng	98

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

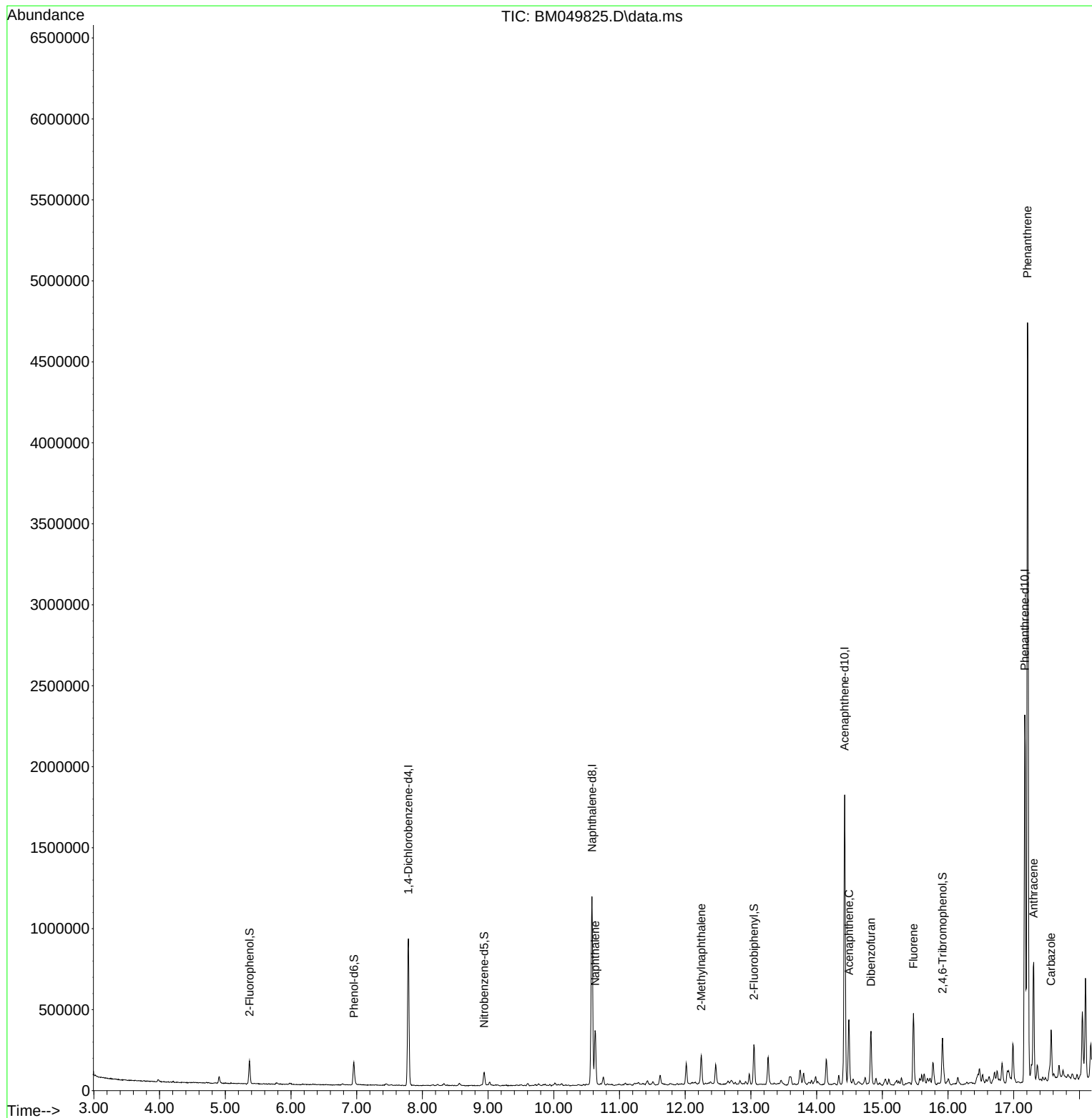
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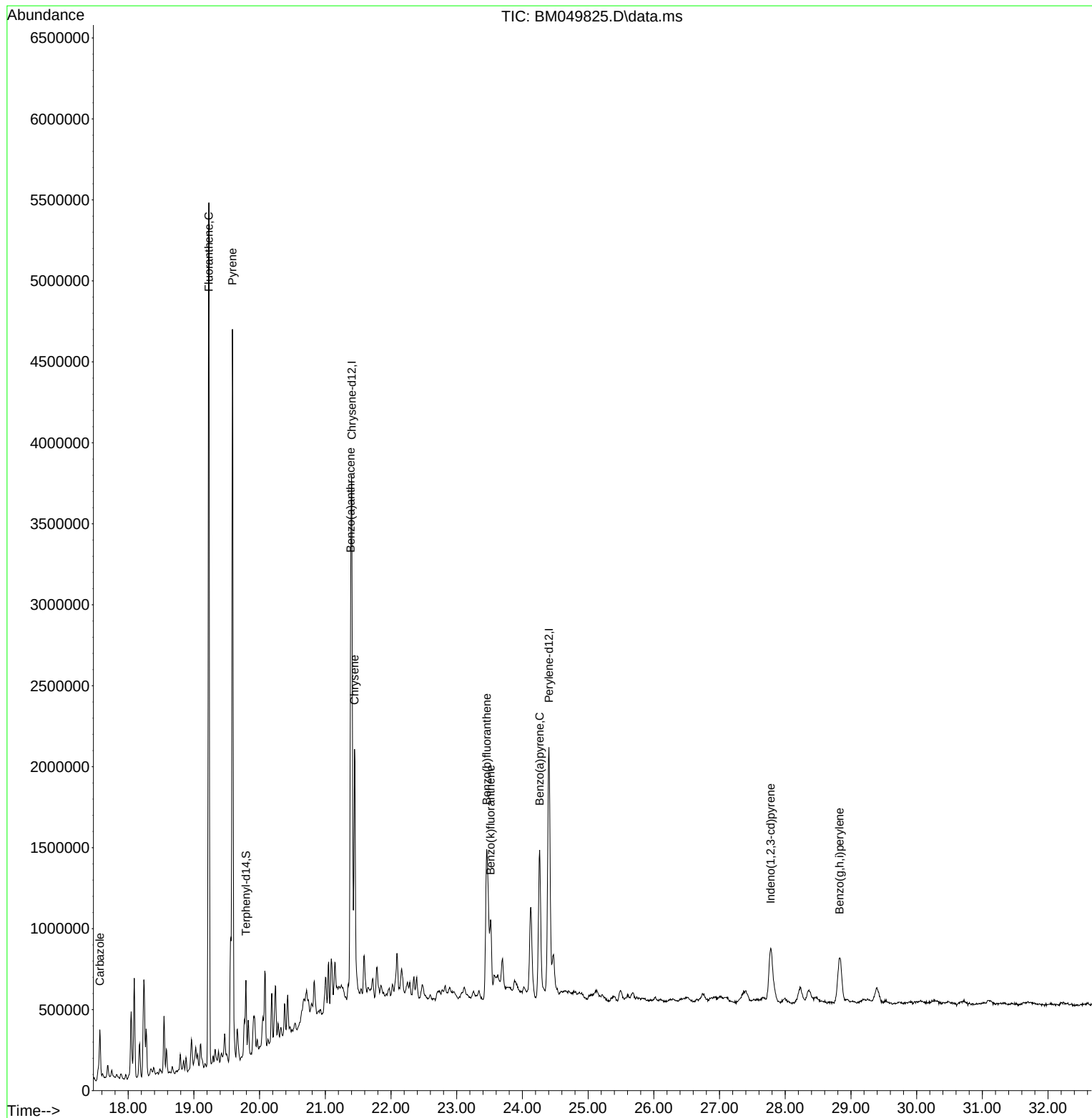
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049825.D
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Sample : Q1698-01DL 25X
Misc :
ALS Vial : 10 Sample Multiplier: 1

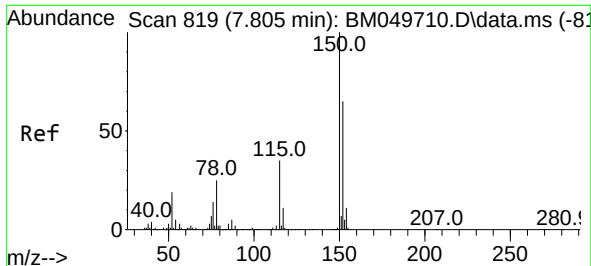
Instrument :
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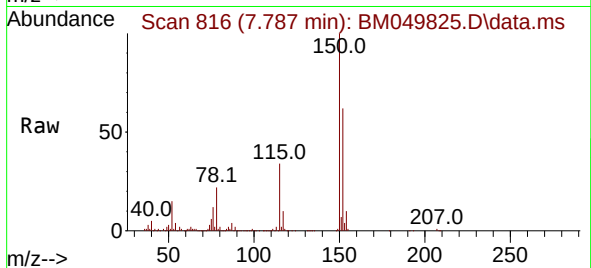
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 819
Delta R.T. -0.018 min
Lab File: BM049825.D
Acq: 04 Apr 2025 16:01

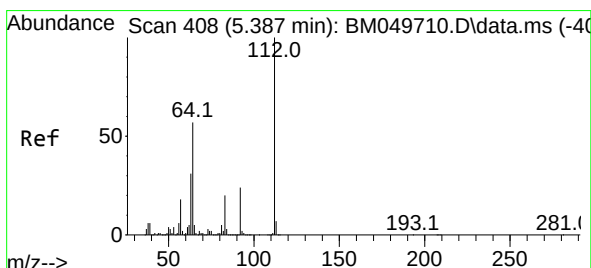
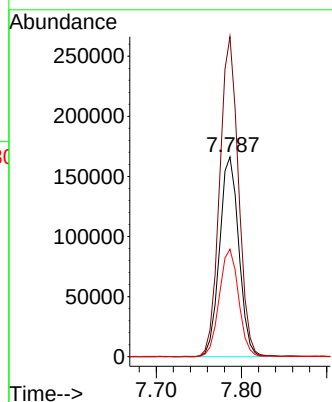
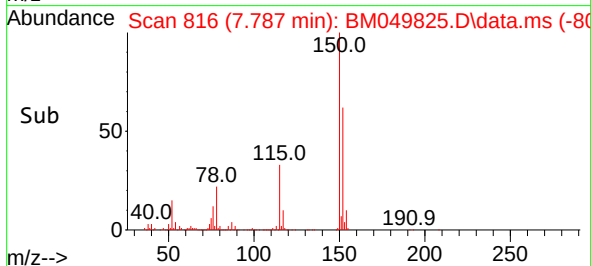
Instrument :
BNA_M
ClientSampleId :
B-9DL



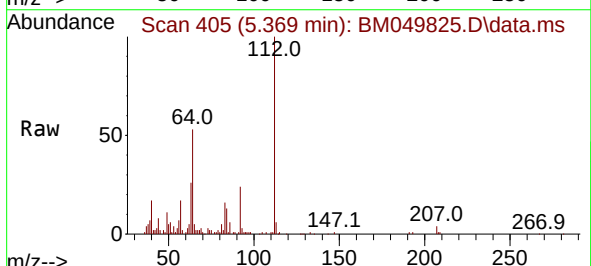
Tgt Ion:152 Resp: 261430
Ion Ratio Lower Upper
152 100
150 160.2 123.8 185.8
115 53.8 43.0 64.6

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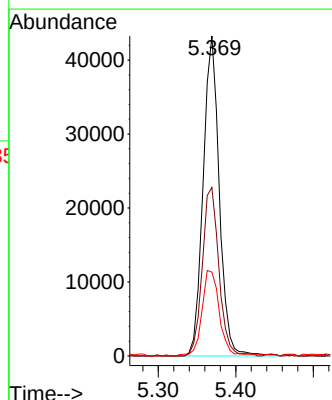
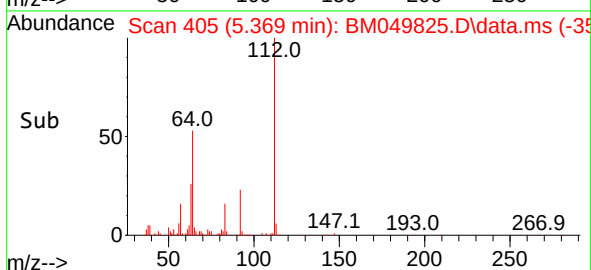
Reviewed By :Anahy Claudio 04/07/2025
Supervised By :Jagrut Upadhyay 04/07/2025

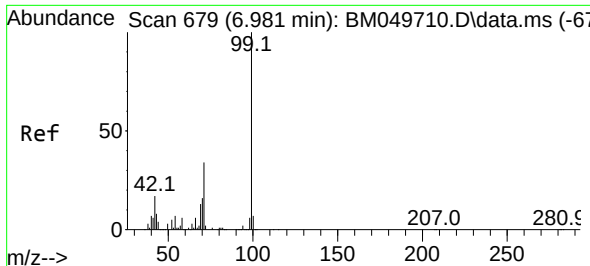


#5
2-Fluorophenol
Concen: 4.045 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049825.D
Acq: 04 Apr 2025 16:01



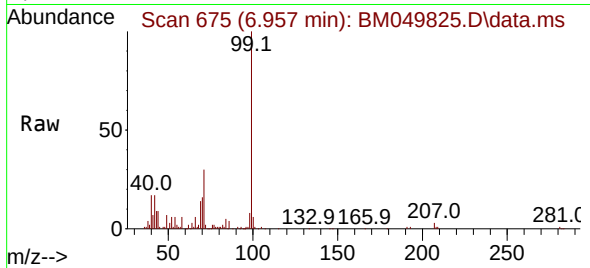
Tgt Ion:112 Resp: 62667
Ion Ratio Lower Upper
112 100
64 52.7 45.3 67.9
63 26.2 24.4 36.6





#7
Phenol-d6
Concen: 4.235 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.024 min
Lab File: BM049825.D
Acq: 04 Apr 2025 16:01

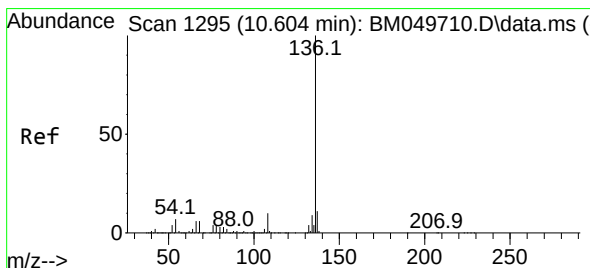
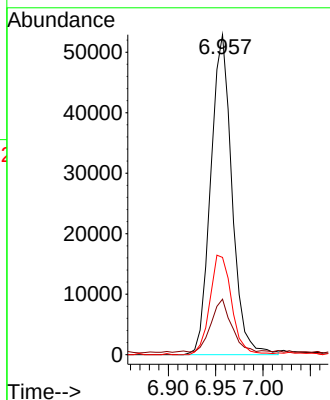
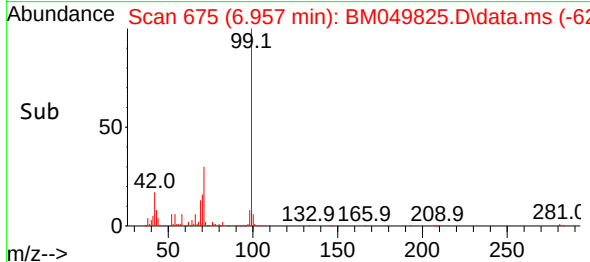
Instrument :
BNA_M
ClientSampleId :
B-9DL



Tgt Ion: 99 Resp: 82344
Ion Ratio Lower Upper
99 100
42 17.3 13.6 20.4
71 30.4 27.0 40.6

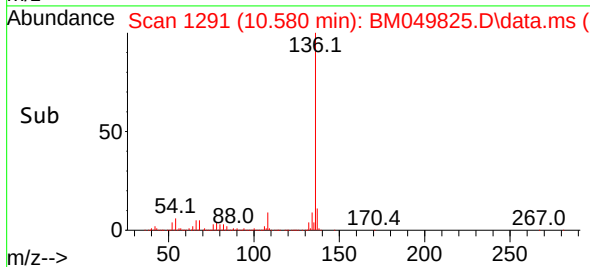
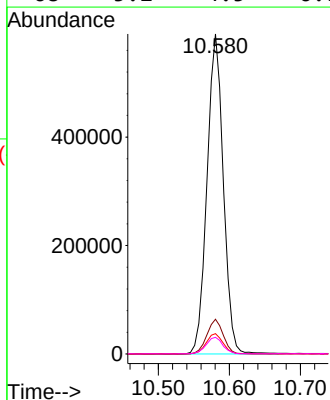
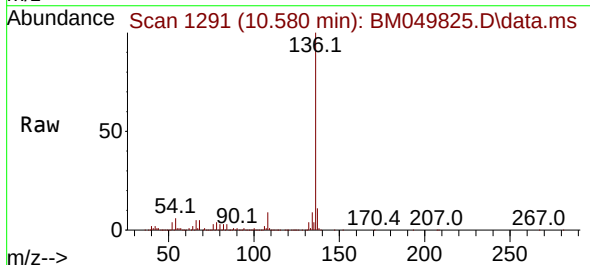
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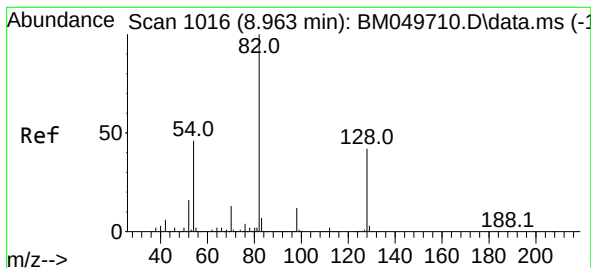
Reviewed By :Anahy Claudio 04/07/2025
Supervised By :Jagrut Upadhyay 04/07/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049825.D
Acq: 04 Apr 2025 16:01

Tgt Ion:136 Resp: 943325
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.4 5.8 8.8
68 5.2 4.5 6.7





#23

Nitrobenzene-d5

Concen: 2.585 ng

RT: 8.939 min Scan# 1012

Delta R.T. -0.024 min

Lab File: BM049825.D

Acq: 04 Apr 2025 16:01

Instrument :

BNA_M

ClientSampleId :

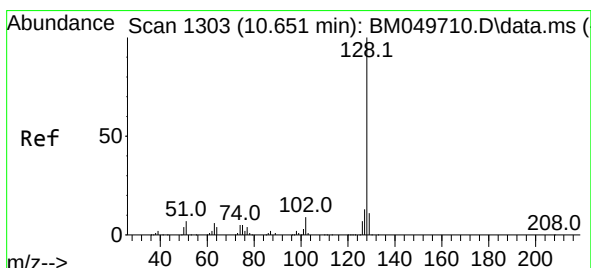
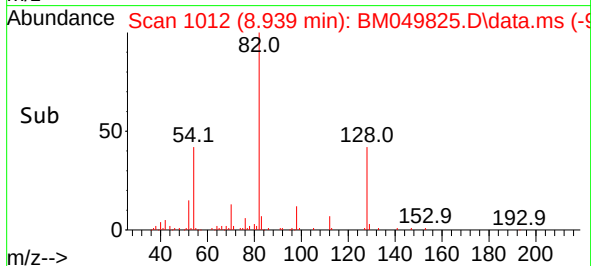
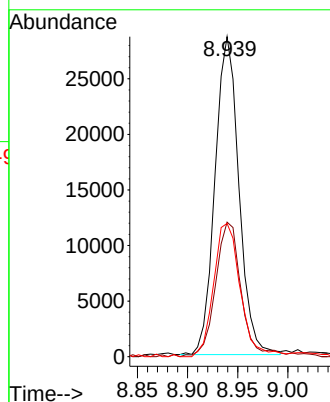
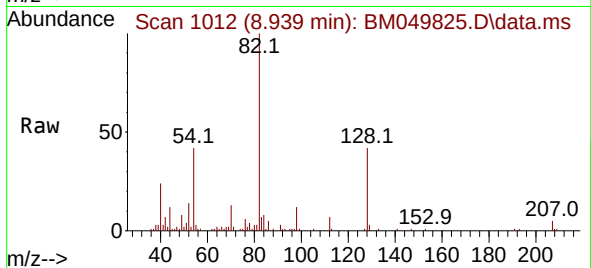
B-9DL

Tgt Ion: 82	Resp: 4749
Ion Ratio	Lower Upper
82 100	
128 42.0	33.4 50.0
54 41.7	36.4 54.6

Manual Integrations

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Reviewed By :Anahy Claudio 04/07/2025
Supervised By :Jagrut Upadhyay 04/07/2025



#31

Naphthalene

Concen: 5.706 ng

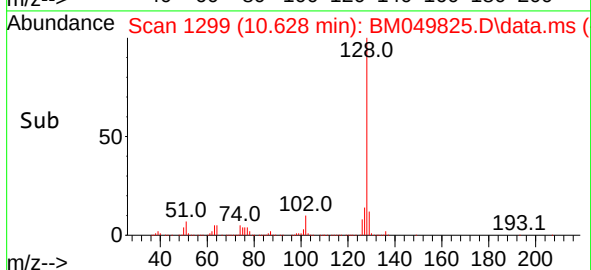
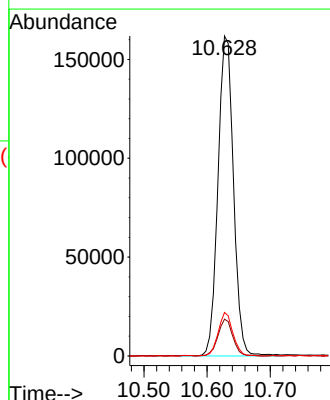
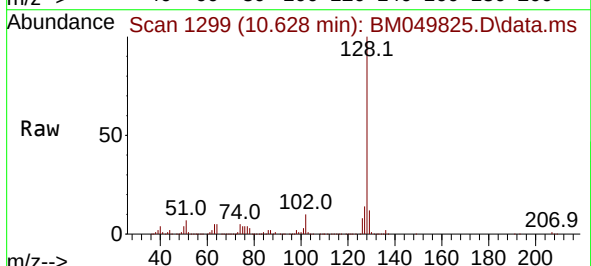
RT: 10.628 min Scan# 1299

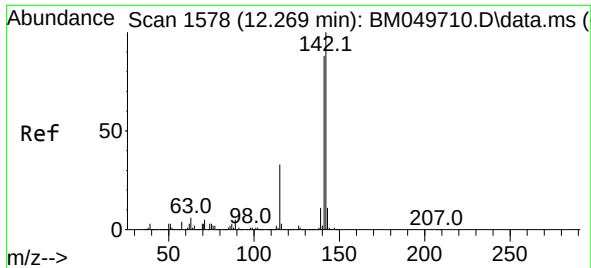
Delta R.T. -0.024 min

Lab File: BM049825.D

Acq: 04 Apr 2025 16:01

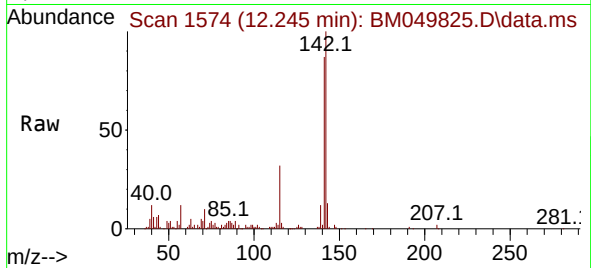
Tgt Ion:128	Resp: 276759
Ion Ratio	Lower Upper
128 100	
129 11.5	8.6 13.0
127 13.6	10.4 15.6





#37
2-Methylnaphthalene
Concen: 2.406 ng
RT: 12.245 min Scan# 11
Delta R.T. -0.024 min
Lab File: BM049825.D
Acq: 04 Apr 2025 16:01

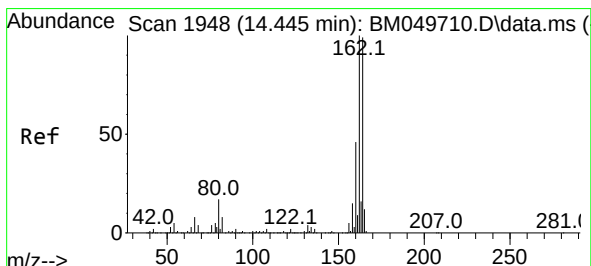
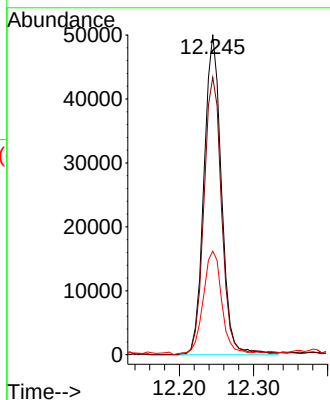
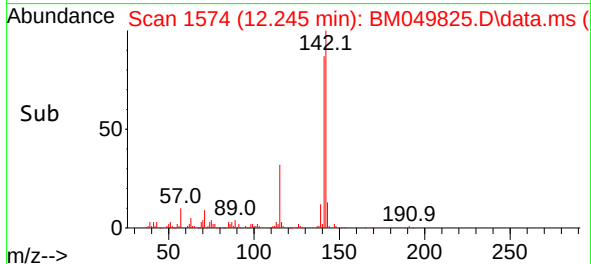
Instrument :
BNA_M
ClientSampleId :
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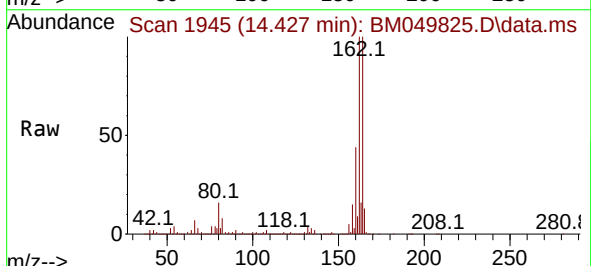
Tgt Ion:142 Resp: 81602
Ion Ratio Lower Upper
142 100
141 86.7 70.5 105.7
115 32.3 26.5 39.7

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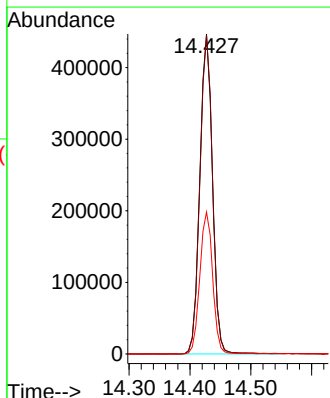
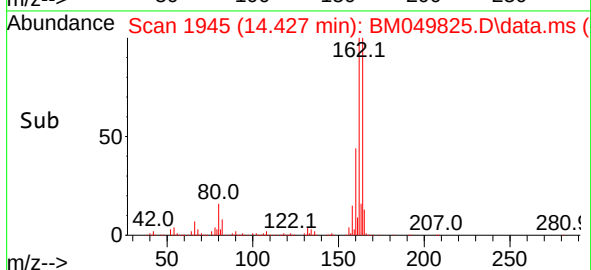
Reviewed By :Anahy Claudio 04/07/2025
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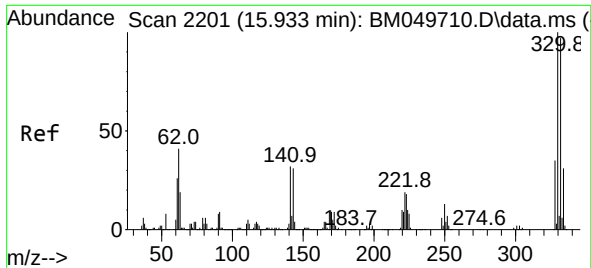


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049825.D
Acq: 04 Apr 2025 16:01



Tgt Ion:164 Resp: 644095
Ion Ratio Lower Upper
164 100
162 99.6 80.5 120.7
160 44.4 36.9 55.3





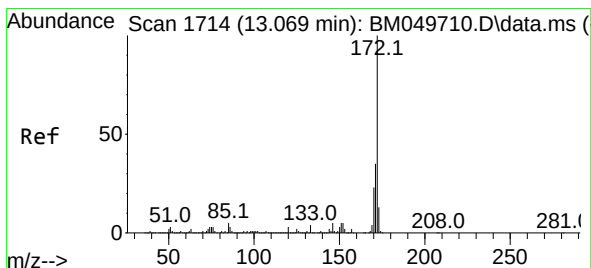
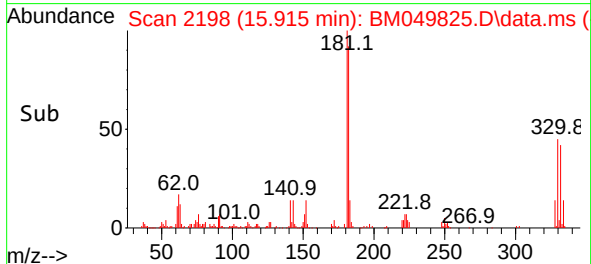
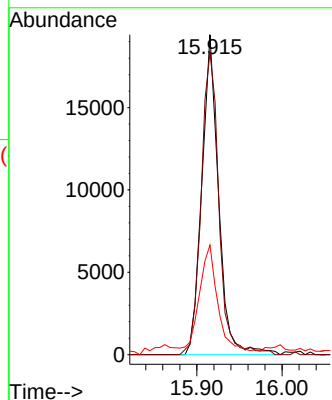
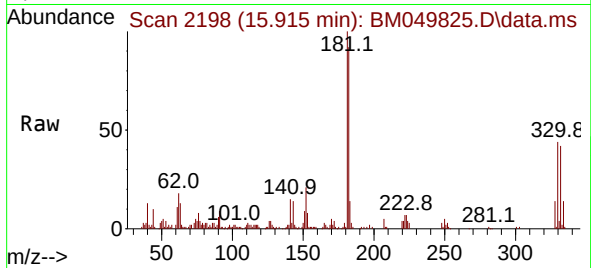
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2,4,6-Tribromophenol
Concen: 3.529 ng
RT: 15.915 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BM049825.D
Acq: 04 Apr 2025 16:01

Instrument :
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Tgt Ion:330 Resp: 2654
Ion Ratio Lower Upper
330 100
332 99.9 77.0 115.4
141 36.8 27.8 41.6

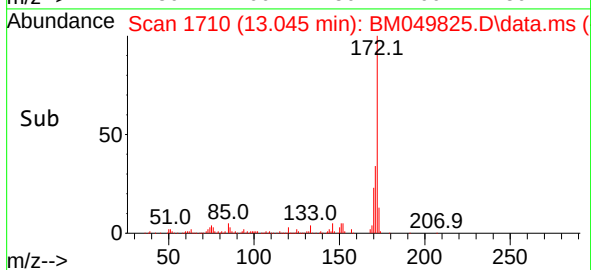
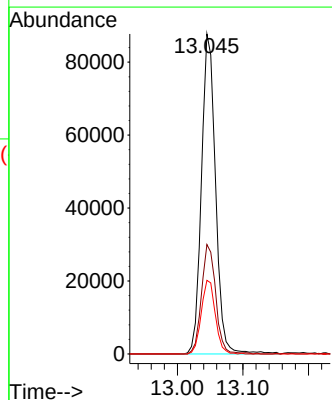
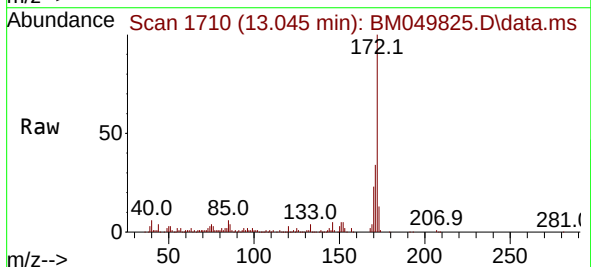
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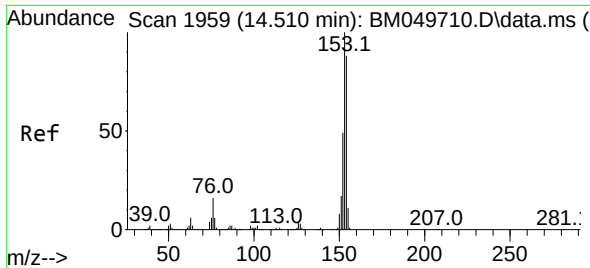
Reviewed By :Anahy Claudio 04/07/2025
Supervised By :Jagrut Upadhyay 04/07/2025



#45
2-Fluorobiphenyl
Concen: 2.562 ng
RT: 13.045 min Scan# 1710
Delta R.T. -0.024 min
Lab File: BM049825.D
Acq: 04 Apr 2025 16:01

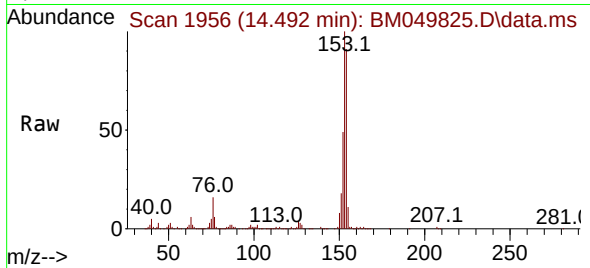
Tgt Ion:172 Resp: 131766
Ion Ratio Lower Upper
172 100
171 34.2 27.9 41.9
170 23.0 18.6 28.0





#52
Acenaphthene
Concen: 4.159 ng
RT: 14.492 min Scan# 1959
Delta R.T. -0.018 min
Lab File: BM049825.D
Acq: 04 Apr 2025 16:01

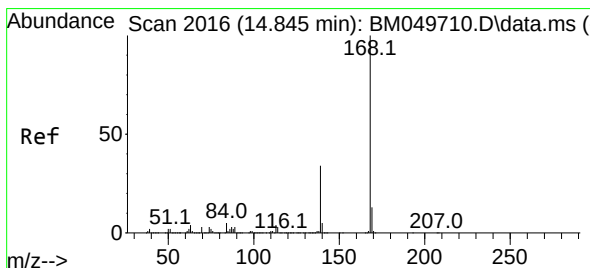
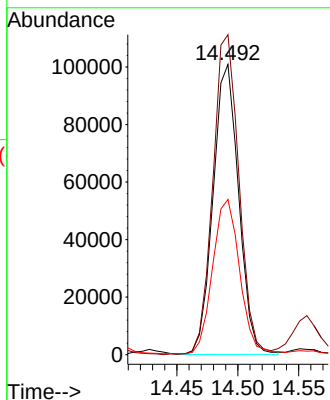
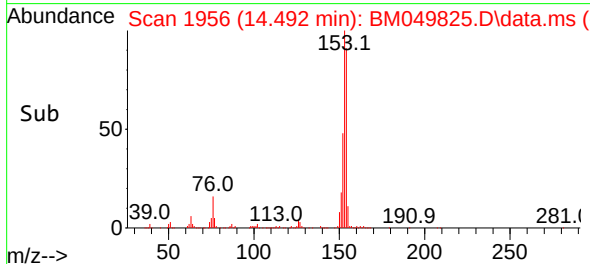
Instrument :
BNA_M
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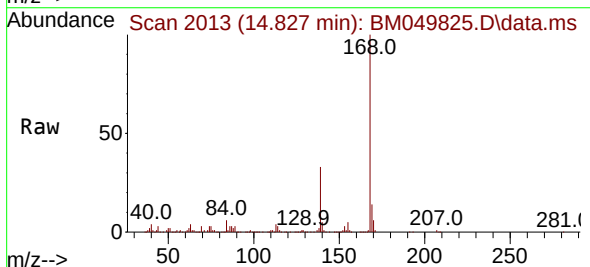
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Ion Ratio Lower Upper
154 100
153 110.3 90.4 135.6
152 53.5 44.2 66.2

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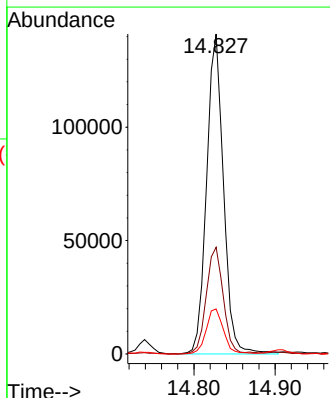
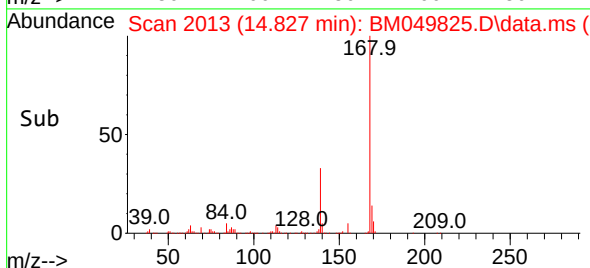
Reviewed By :Anahy Claudio 04/07/2025
Supervised By :Jagrut Upadhyay 04/07/2025

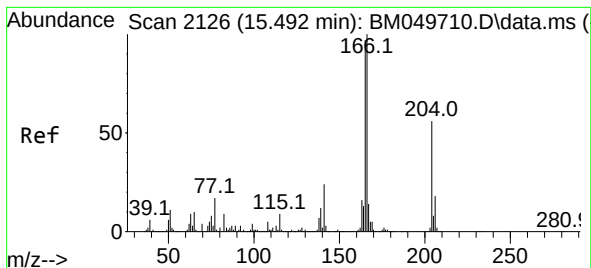


#55
Dibenzofuran
Concen: 3.454 ng
RT: 14.827 min Scan# 2013
Delta R.T. -0.018 min
Lab File: BM049825.D
Acq: 04 Apr 2025 16:01



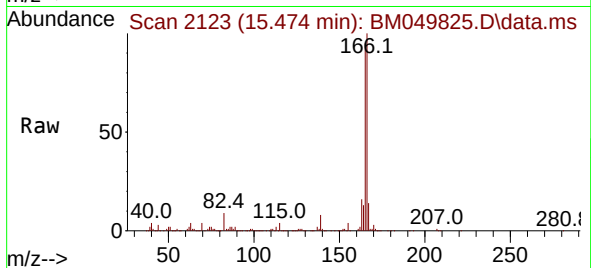
Tgt Ion:168 Resp: 203870
Ion Ratio Lower Upper
168 100
139 33.3 27.4 41.0
169 14.1 10.7 16.1





#58
Fluorene
Concen: 3.979 ng
RT: 15.474 min Scan# 2123
Delta R.T. -0.018 min
Lab File: BM049825.D
Acq: 04 Apr 2025 16:01

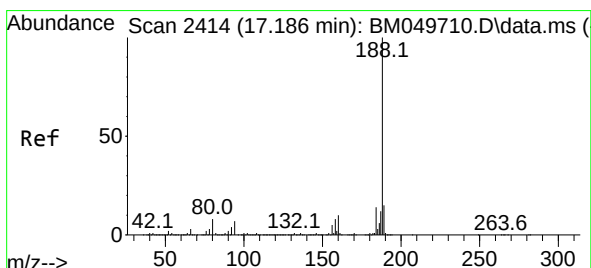
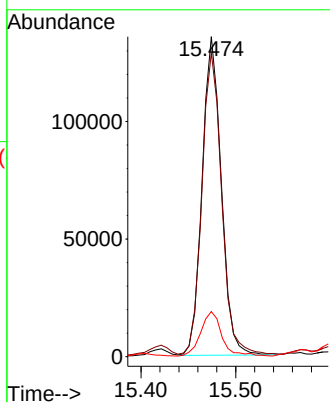
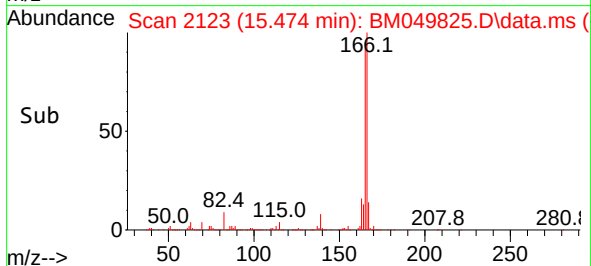
Instrument :
BNA_M
ClientSampleId :
B-9DL



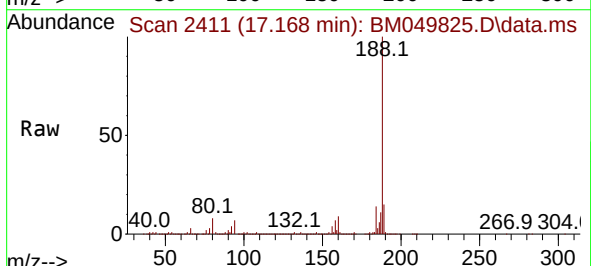
Tgt Ion:166 Resp: 191234
Ion Ratio Lower Upper
166 100
165 95.0 77.5 116.3
167 14.1 10.9 16.3

Manual Integrations
APPROVED

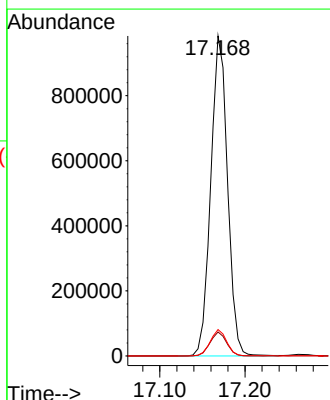
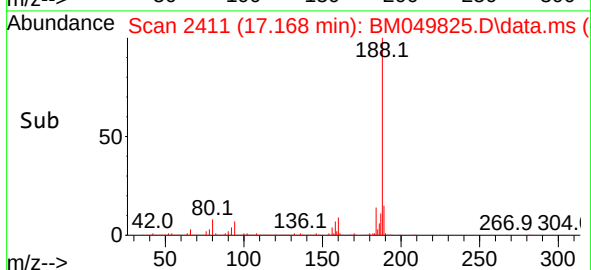
Reviewed By :Anahy Claudio 04/07/2025
Supervised By :Jagrut Upadhyay 04/07/2025

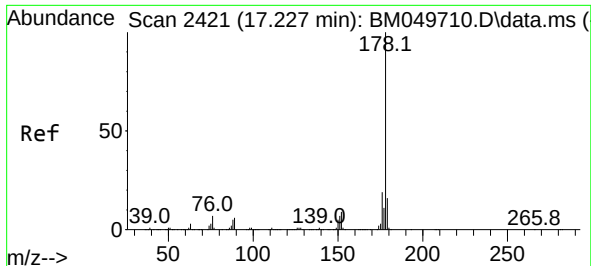


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 2411
Delta R.T. -0.018 min
Lab File: BM049825.D
Acq: 04 Apr 2025 16:01



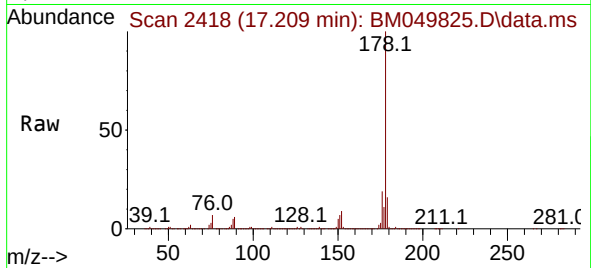
Tgt Ion:188 Resp: 1344834
Ion Ratio Lower Upper
188 100
94 7.5 5.8 8.6
80 8.3 6.3 9.5





#71
Phenanthrene
Concen: 38.547 ng
RT: 17.209 min Scan# 2418
Delta R.T. -0.018 min
Lab File: BM049825.D
Acq: 04 Apr 2025 16:01

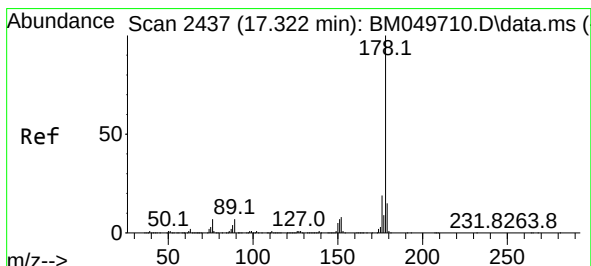
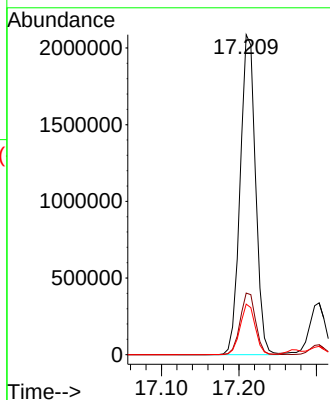
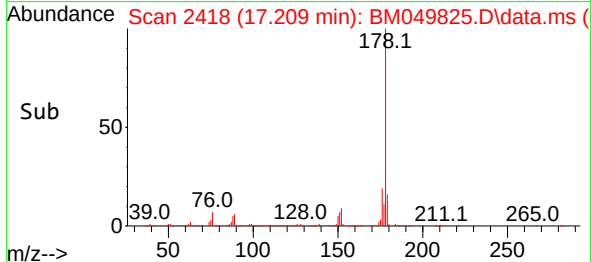
Instrument :
BNA_M
ClientSampleId :
B-9DL



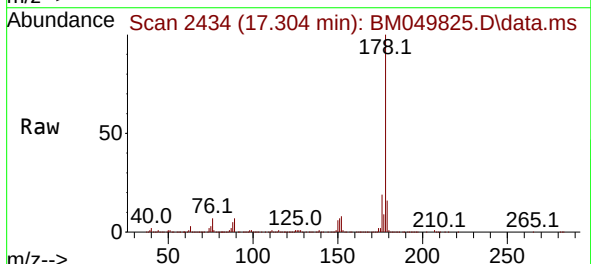
Tgt Ion:178 Resp: 2878489
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.8 12.5 18.7

Manual Integrations
APPROVED

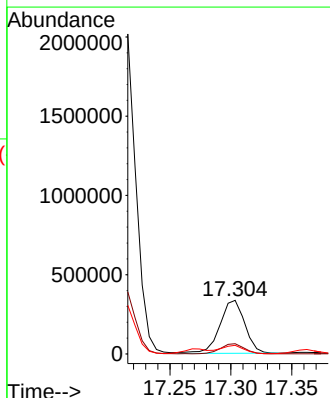
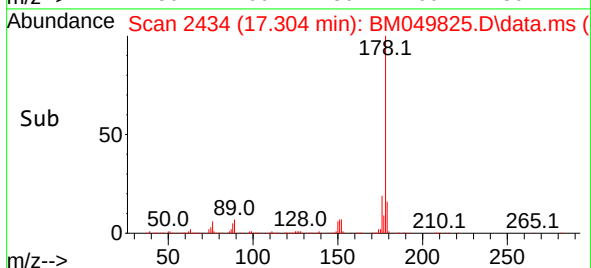
Reviewed By :Anahy Claudio 04/07/2025
Supervised By :Jagrut Upadhyay 04/07/2025

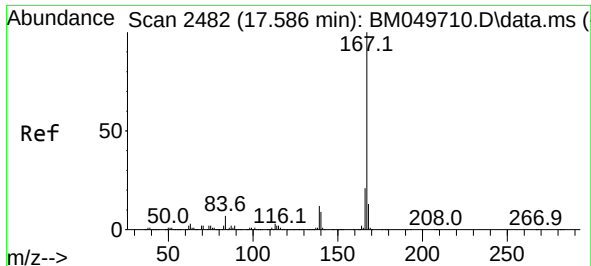


#72
Anthracene
Concen: 6.596 ng
RT: 17.304 min Scan# 2434
Delta R.T. -0.018 min
Lab File: BM049825.D
Acq: 04 Apr 2025 16:01



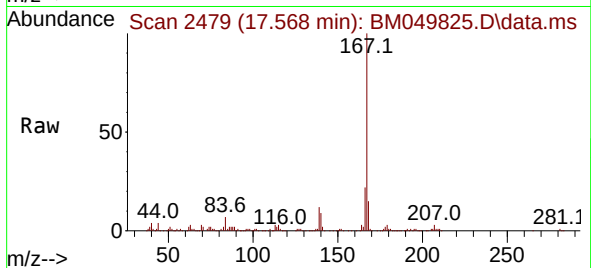
Tgt Ion:178 Resp: 477019
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 16.0 12.4 18.6





#73
 Carbazole
 Concen: 2.918 ng
 RT: 17.568 min Scan# 2482
 Delta R.T. -0.018 min
 Lab File: BM049825.D
 Acq: 04 Apr 2025 16:01

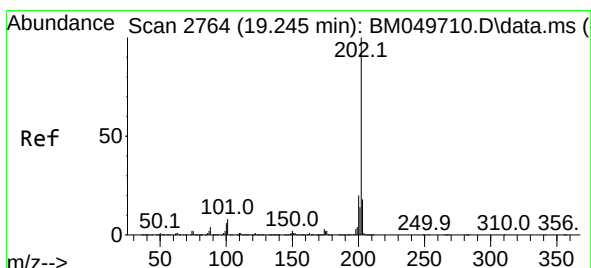
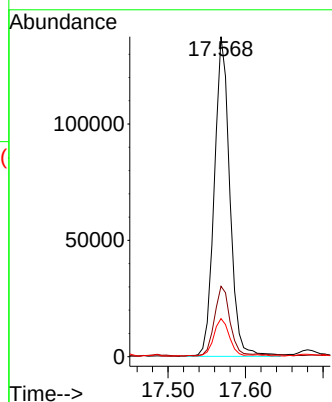
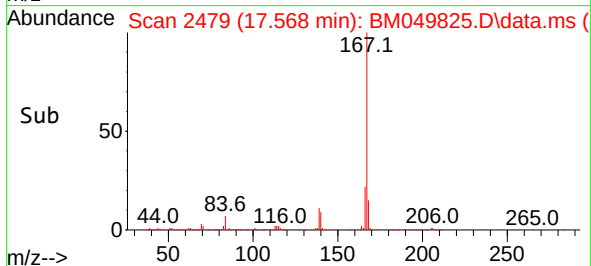
Instrument :
 BNA_M
 ClientSampleId :
 B-9DL



Tgt Ion:167 Resp: 191124
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.0 25.6
 139 11.9 9.4 14.2

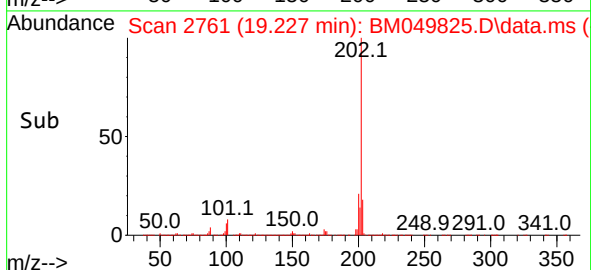
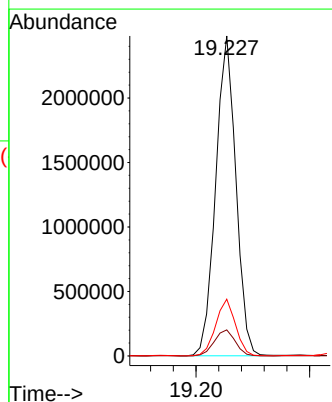
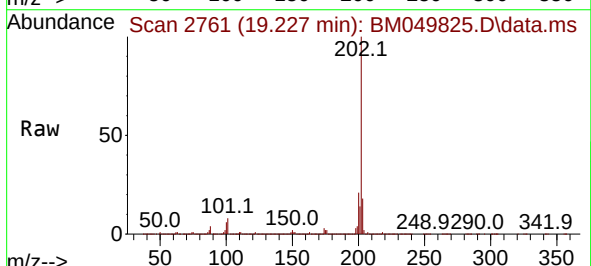
Manual Integrations
 APPROVED

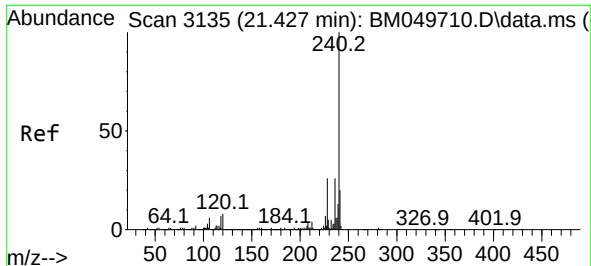
Reviewed By :Anahy Claudio 04/07/2025
 Supervised By :Jagrut Upadhyay 04/07/2025



#75
 Fluoranthene
 Concen: 35.587 ng
 RT: 19.227 min Scan# 2761
 Delta R.T. -0.018 min
 Lab File: BM049825.D
 Acq: 04 Apr 2025 16:01

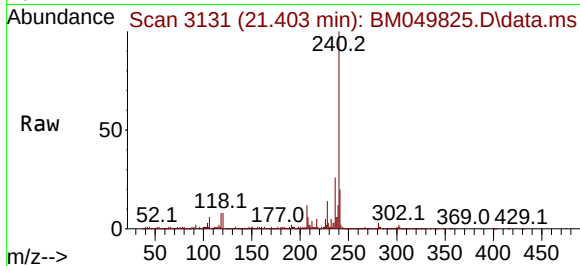
Tgt Ion:202 Resp: 3059549
 Ion Ratio Lower Upper
 202 100
 101 8.2 0.0 27.8
 203 17.7 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3135
Delta R.T. -0.024 min
Lab File: BM049825.D
Acq: 04 Apr 2025 16:01

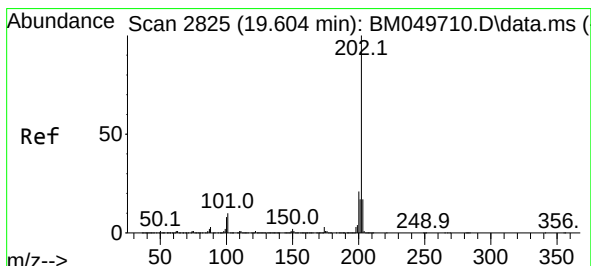
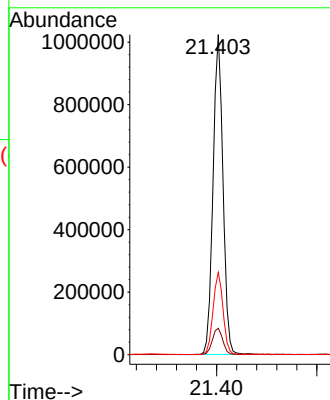
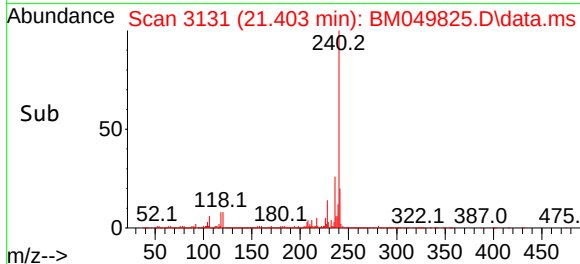
Instrument :
BNA_M
ClientSampleId :
B-9DL



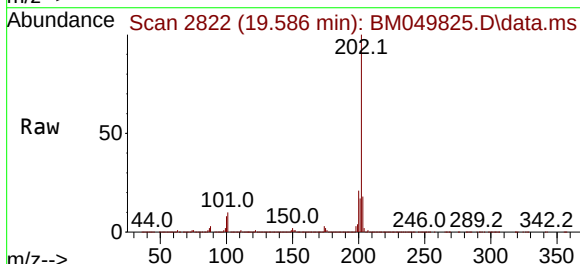
Tgt Ion:240 Resp: 1405979
Ion Ratio Lower Upper
240 100
120 8.3 6.5 9.7
236 25.7 20.7 31.1

Manual Integrations
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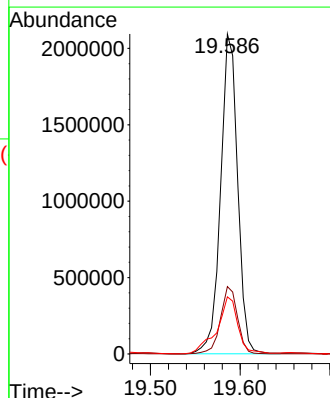
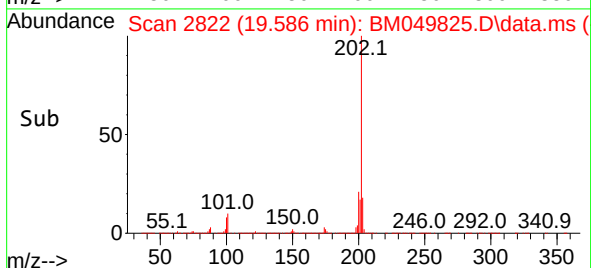
Reviewed By :Anahy Claudio 04/07/2025
Supervised By :Jagrut Upadhyay 04/07/2025

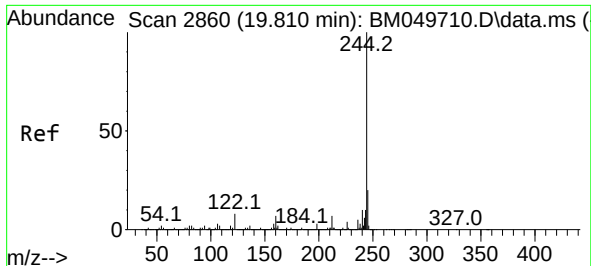


#78
Pyrene
Concen: 28.075 ng
RT: 19.586 min Scan# 2822
Delta R.T. -0.018 min
Lab File: BM049825.D
Acq: 04 Apr 2025 16:01



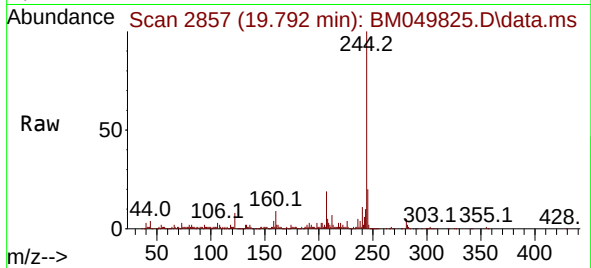
Tgt Ion:202 Resp: 2757781
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 17.8 14.0 21.0





#79
 Terphenyl-d14
 Concen: 2.441 ng
 RT: 19.792 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM049825.D
 Acq: 04 Apr 2025 16:01

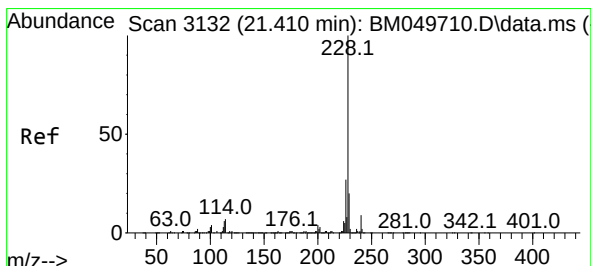
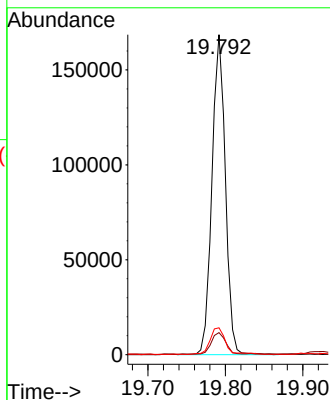
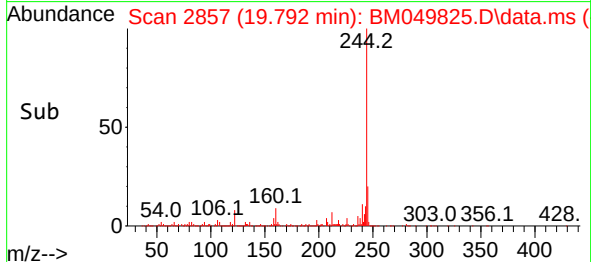
Instrument :
 BNA_M
 ClientSampleId :
 B-9DL



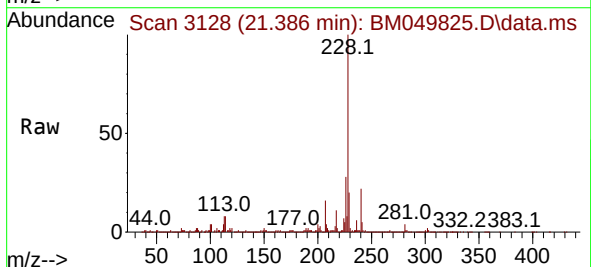
Tgt Ion:244 Resp: 203629
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 8.4 6.0 9.0

Manual Integrations
 APPROVED

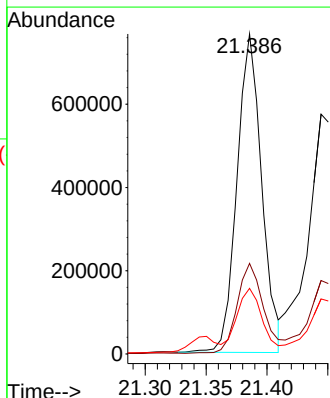
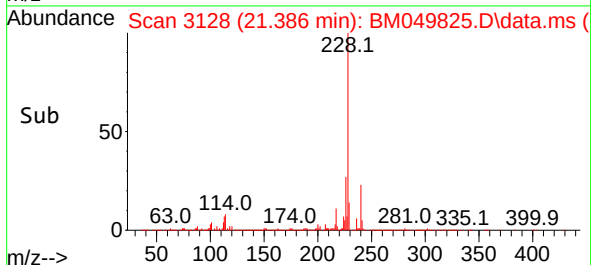
Reviewed By :Anahy Claudio 04/07/2025
 Supervised By :Jagrut Upadhyay 04/07/2025

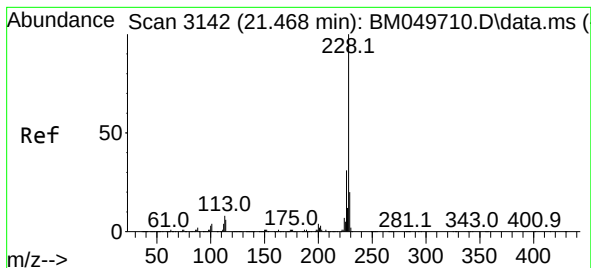


#81
 Benzo(a)anthracene
 Concen: 11.502 ng
 RT: 21.386 min Scan# 3128
 Delta R.T. -0.024 min
 Lab File: BM049825.D
 Acq: 04 Apr 2025 16:01



Tgt Ion:228 Resp: 1080182
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.0 33.0
 229 20.5 15.8 23.8





#83

Chrysene

Concen: 10.812 ng m

RT: 21.444 min Scan# 31

Delta R.T. -0.024 min

Lab File: BM049825.D

Acq: 04 Apr 2025 16:01

Instrument :

BNA_M

ClientSampleId :

B-9DL

Tgt Ion:228 Resp: 96251

Ion Ratio Lower Upper

228 100

226 30.6 24.5 36.7

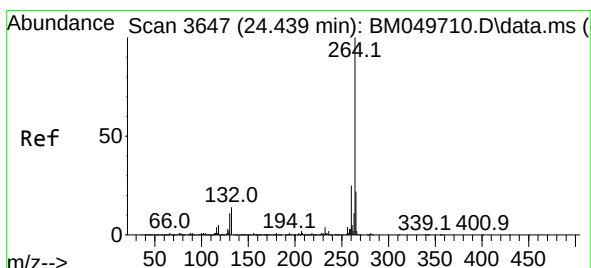
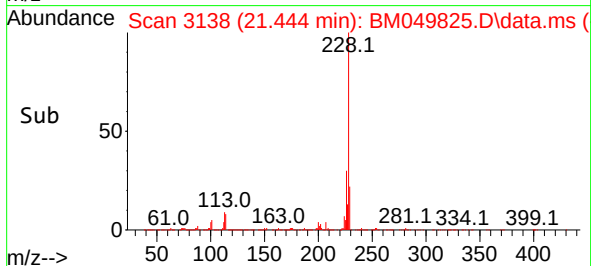
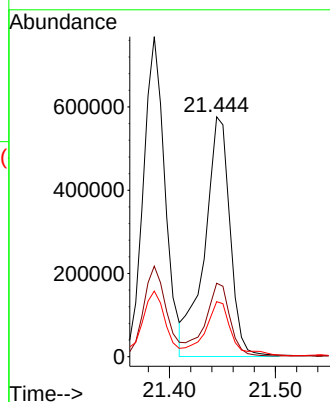
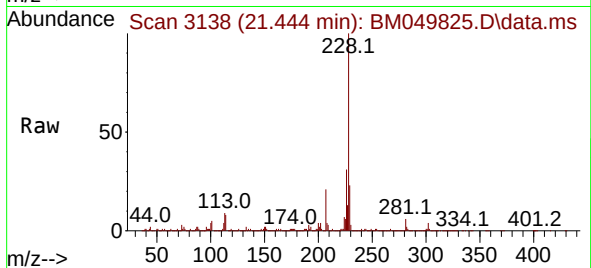
229 23.0 15.8 23.6

Manual Integrations

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Reviewed By :Anahy Claudio 04/07/2025

Supervised By :Jagrut Upadhyay 04/07/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.403 min Scan# 3641

Delta R.T. -0.036 min

Lab File: BM049825.D

Acq: 04 Apr 2025 16:01

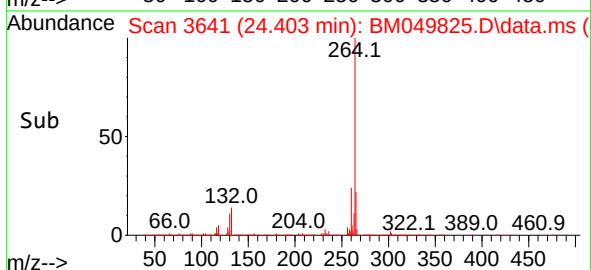
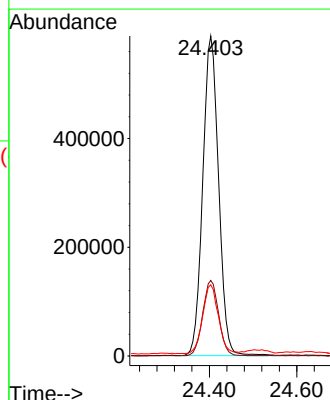
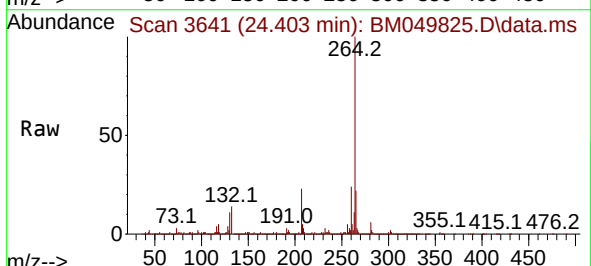
Tgt Ion:264 Resp: 1484469

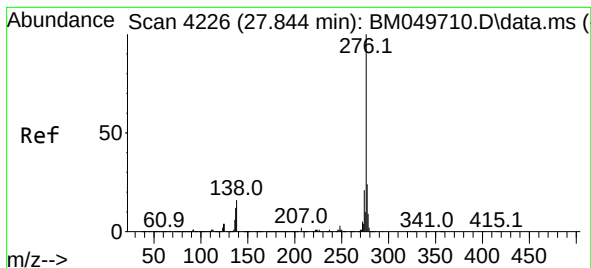
Ion Ratio Lower Upper

264 100

260 23.6 19.6 29.4

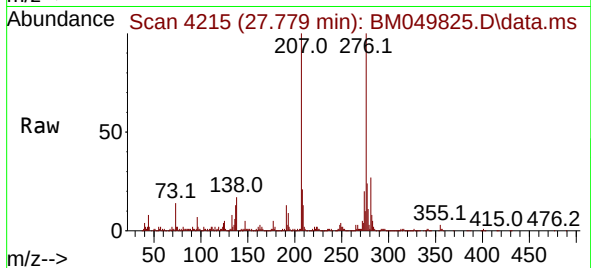
265 22.3 18.2 27.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.945 ng
RT: 27.779 min Scan# 41
Delta R.T. -0.065 min
Lab File: BM049825.D
Acq: 04 Apr 2025 16:01

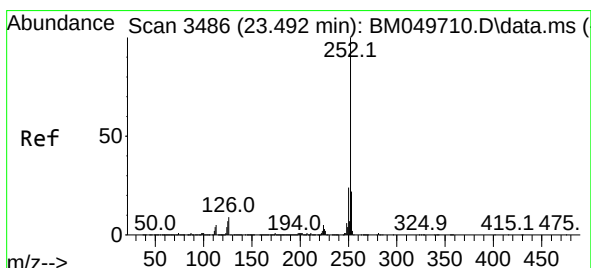
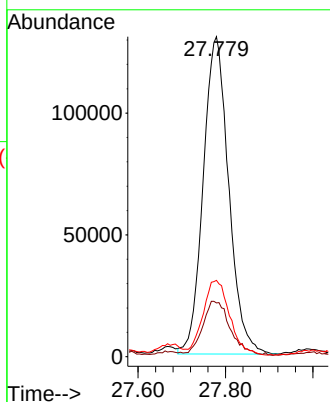
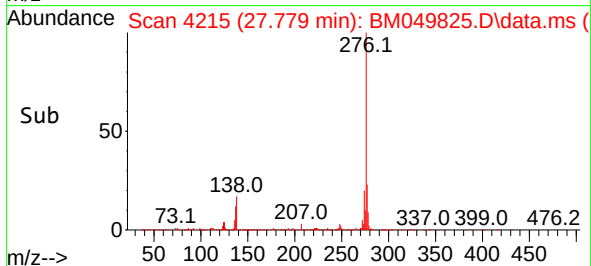
Instrument :
BNA_M
ClientSampleId :
B-9DL



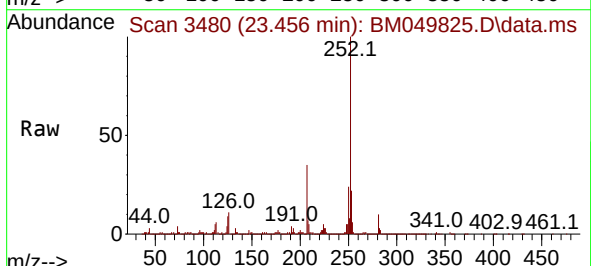
Tgt Ion:276 Resp: 528308
Ion Ratio Lower Upper
276 100
138 17.9 16.3 24.5
277 24.6 19.9 29.9

Manual Integrations
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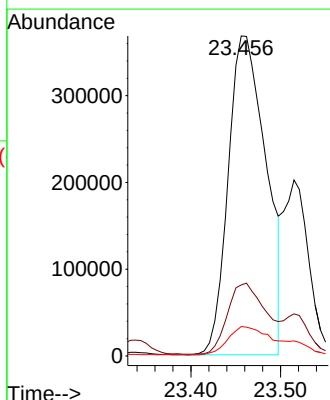
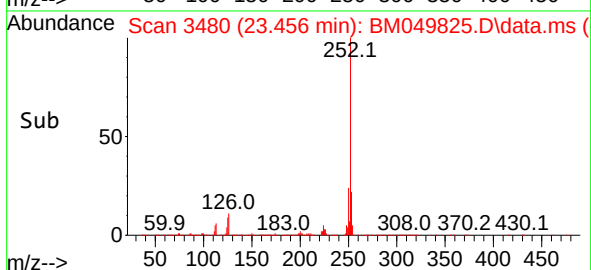
Reviewed By :Anahy Claudio 04/07/2025
Supervised By :Jagrut Upadhyay 04/07/2025

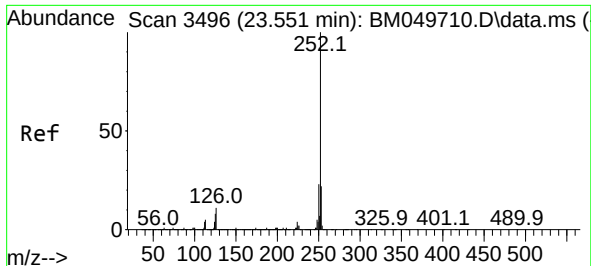


#88
Benzo(b)fluoranthene
Concen: 10.777 ng
RT: 23.456 min Scan# 3480
Delta R.T. -0.036 min
Lab File: BM049825.D
Acq: 04 Apr 2025 16:01



Tgt Ion:252 Resp: 1077547
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 9.2 5.9 8.9#





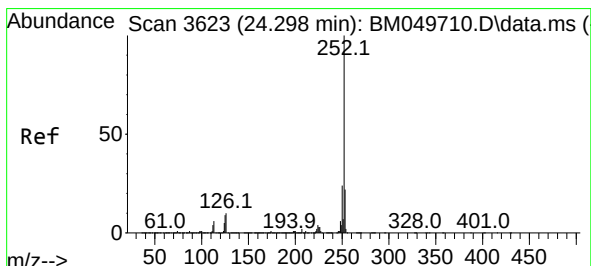
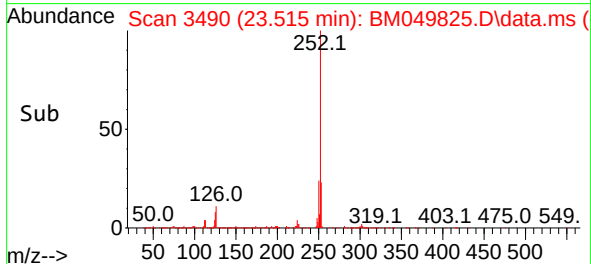
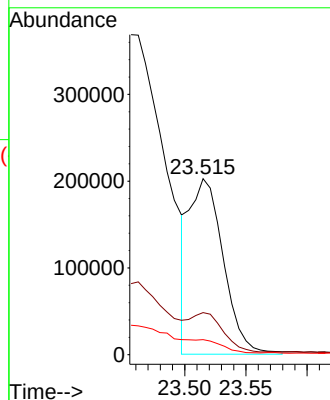
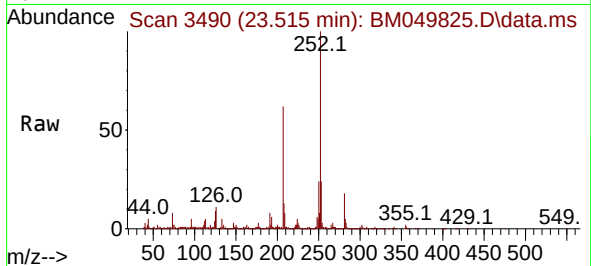
#89
Benzo(k)fluoranthene
Concen: 3.997 ng m
RT: 23.515 min Scan# 3496
Delta R.T. -0.036 min
Lab File: BM049825.D
Acq: 04 Apr 2025 16:01

Instrument :
BNA_M
ClientSampleId :
B-9DL

Tgt Ion:252 Resp: 39326
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 8.6 6.2 9.2

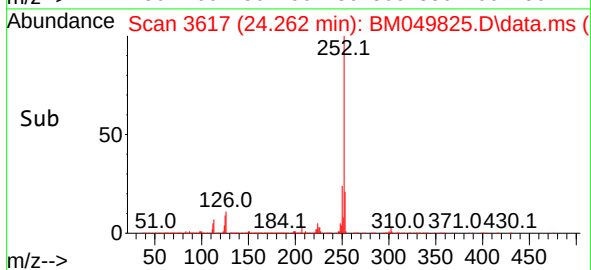
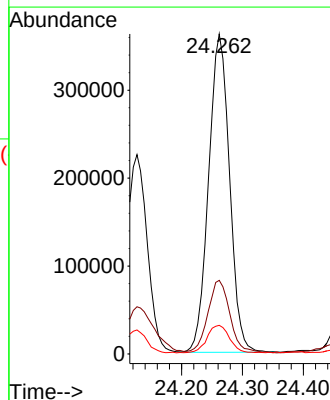
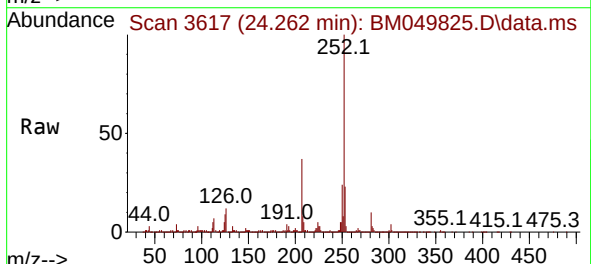
Manual Integrations
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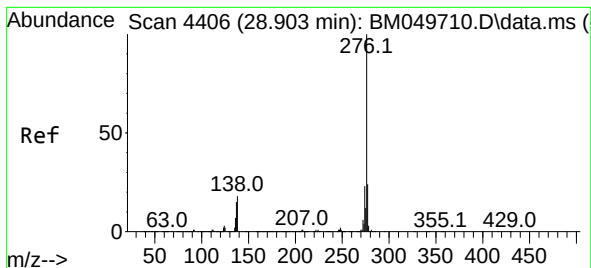
Reviewed By :Anahy Claudio 04/07/2025
Supervised By :Jagrut Upadhyay 04/07/2025



#90
Benzo(a)pyrene
Concen: 10.291 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.036 min
Lab File: BM049825.D
Acq: 04 Apr 2025 16:01

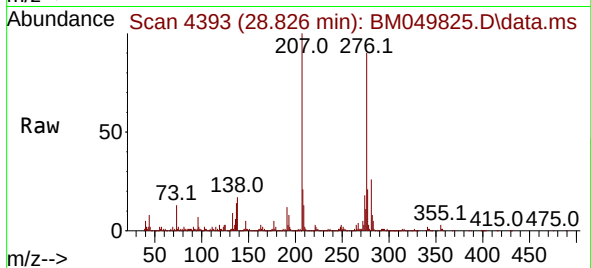
Tgt Ion:252 Resp: 864280
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 9.0 7.0 10.6





#92
Benzo(g,h,i)perylene
Concen: 5.900 ng
RT: 28.826 min Scan# 41
Delta R.T. -0.077 min
Lab File: BM049825.D
Acq: 04 Apr 2025 16:01

Instrument :
BNA_M
ClientSampleId :
B-9DL



Tgt Ion:276 Resp: 529070
Ion Ratio Lower Upper
276 100
277 23.8 18.8 28.2
138 18.9 14.0 21.0

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/07/2025
Supervised By :Jagrut Upadhyay 04/07/2025

