

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
 Data File : BM049827.D
 Acq On : 04 Apr 2025 17:19
 Operator : RC/JU
 Sample : Q1721-02 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 AU-05-040325

Manual Integrations
 APPROVED

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

Quant Time: Apr 04 22:55:16 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	354141	20.000	ng	-0.02
21) Naphthalene-d8	10.581	136	1309240	20.000	ng	-0.02
39) Acenaphthene-d10	14.428	164	888354	20.000	ng	-0.02
64) Phenanthrene-d10	17.169	188	1775171	20.000	ng	-0.02
76) Chrysene-d12	21.404	240	1696526	20.000	ng	-0.02
86) Perylene-d12	24.409	264	1927449	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.370	112	970230	46.227	ng	-0.02
7) Phenol-d6	6.958	99	1270933	48.252	ng	-0.02
23) Nitrobenzene-d5	8.940	82	720042	28.236	ng	-0.02
42) 2,4,6-Tribromophenol	15.916	330	569974	54.946	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	1894072	26.702	ng	-0.02
79) Terphenyl-d14	19.792	244	2653102	26.353	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.216	178	760465	7.715	ng	100
75) Fluoranthene	19.227	202	702931	6.194	ng	99
78) Pyrene	19.586	202	596507	5.033	ng	99
81) Benzo(a)anthracene	21.386	228	290846	2.567	ng	95
83) Chrysene	21.445	228	257646m	2.399	ng	
88) Benzo(b)fluoranthene	23.462	252	316839	2.441	ng	# 86
90) Benzo(a)pyrene	24.268	252	236786	2.171	ng	# 88

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

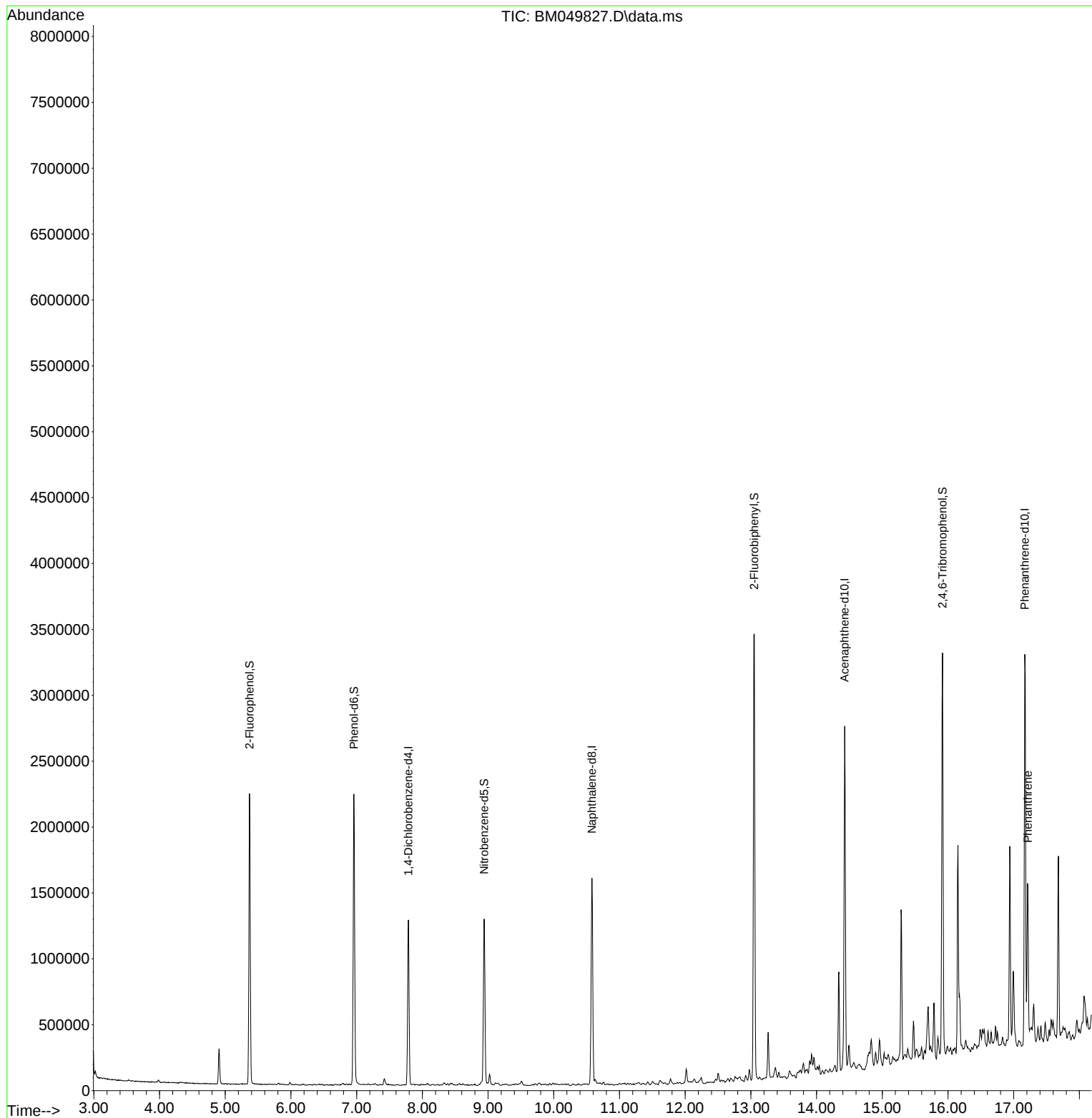
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
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QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

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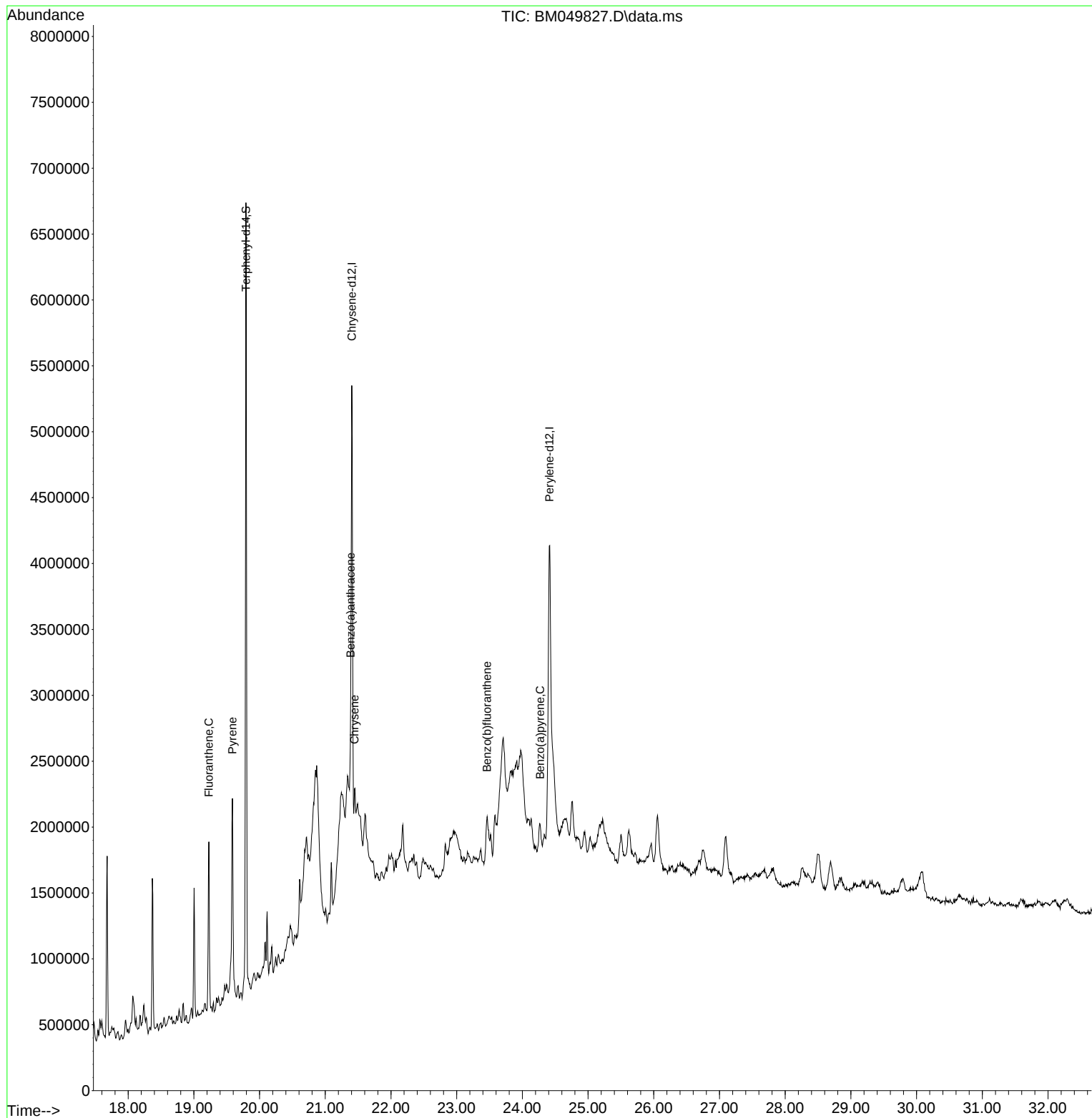
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Data File : BM049827.D
Acq On : 04 Apr 2025 17:19
Operator : RC/JU
Sample : Q1721-02 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

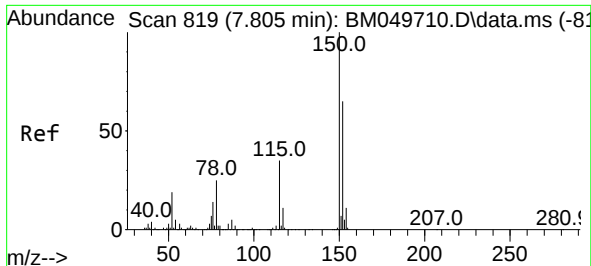
Instrument :
BNA_M
ClientSampleId :
AU-05-040325

Quant Time: Apr 04 22:55:16 2025
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QLast Update : Thu Mar 13 14:55:34 2025
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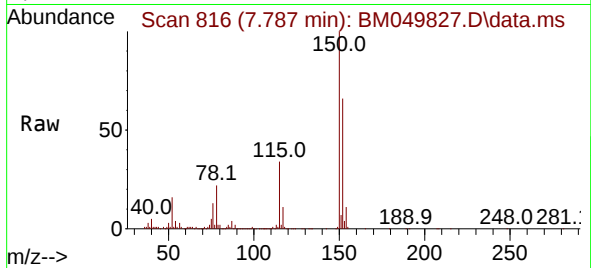
Reviewed By :Anahy Claudio 04/07/2025
Supervised By :Jagrut Upadhyay 04/07/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 819
Delta R.T. -0.018 min
Lab File: BM049827.D
Acq: 04 Apr 2025 17:19

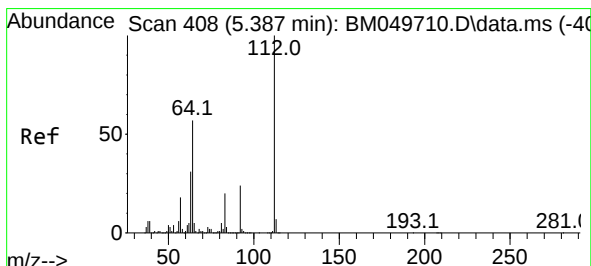
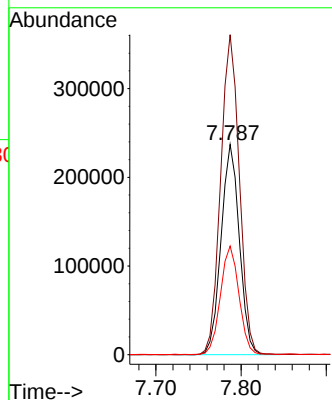
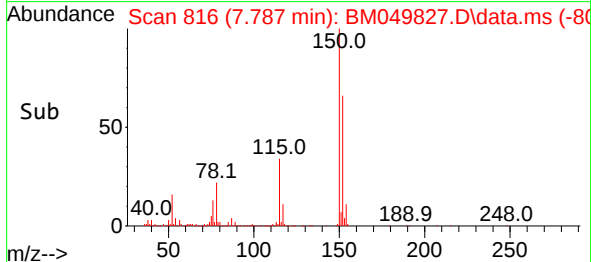
Instrument :
BNA_M
ClientSampleId :
AU-05-040325



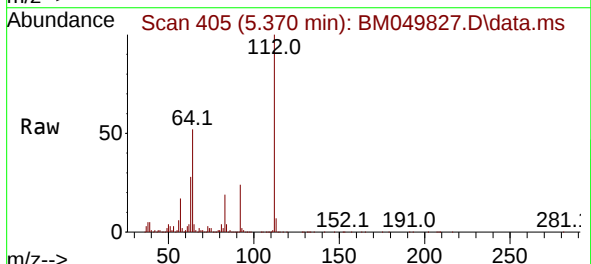
Tgt Ion:152 Resp: 35414
Ion Ratio Lower Upper
152 100
150 152.3 123.8 185.8
115 51.7 43.0 64.6

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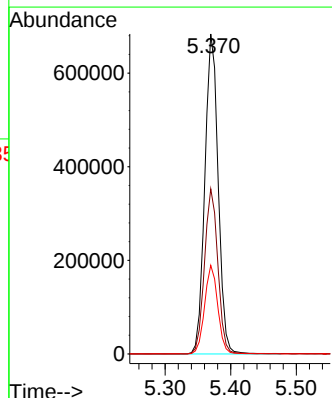
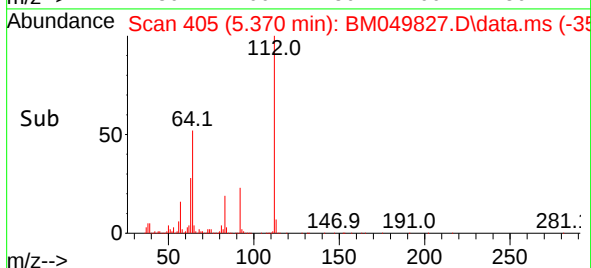
Reviewed By :Anahy Claudio 04/07/2025
Supervised By :Jagrut Upadhyay 04/07/2025

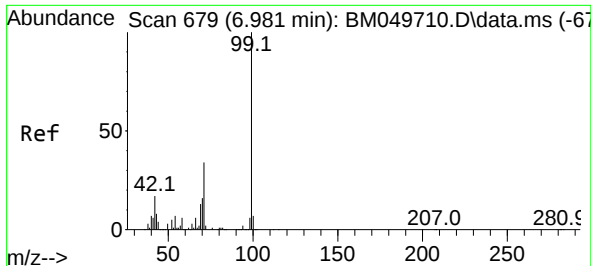


#5
2-Fluorophenol
Concen: 46.227 ng
RT: 5.370 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049827.D
Acq: 04 Apr 2025 17:19



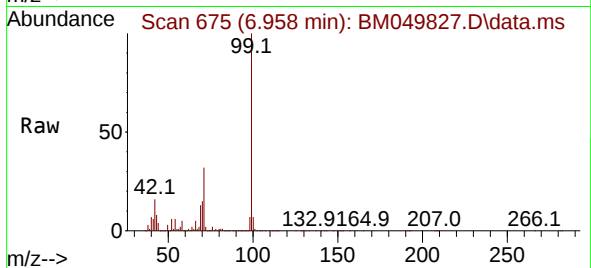
Tgt Ion:112 Resp: 970230
Ion Ratio Lower Upper
112 100
64 51.6 45.3 67.9
63 27.7 24.4 36.6





#7
Phenol-d6
Concen: 48.252 ng
RT: 6.958 min Scan# 61
Delta R.T. -0.023 min
Lab File: BM049827.D
Acq: 04 Apr 2025 17:19

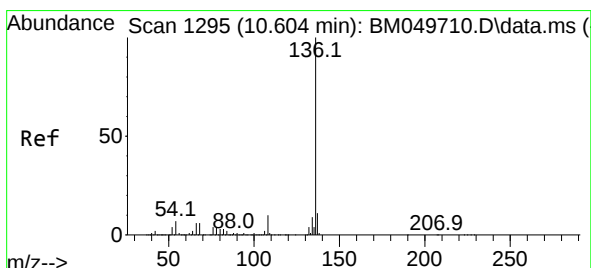
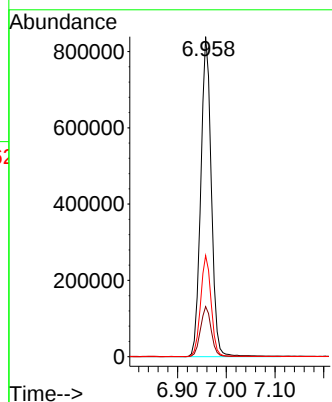
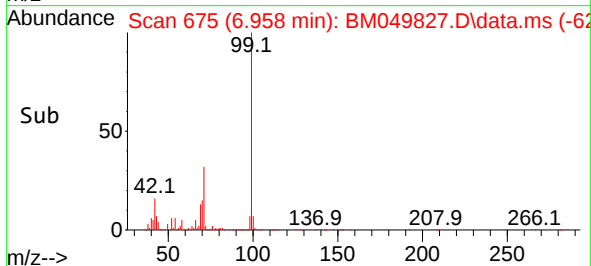
Instrument :
BNA_M
ClientSampleId :
AU-05-040325



Tgt Ion: 99 Resp: 1270933
Ion Ratio Lower Upper
99 100
42 15.7 13.6 20.4
71 31.6 27.0 40.6

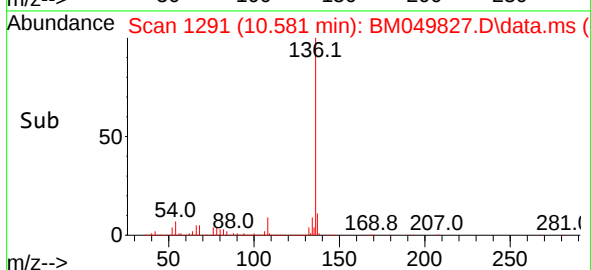
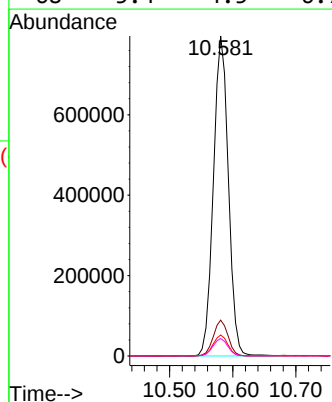
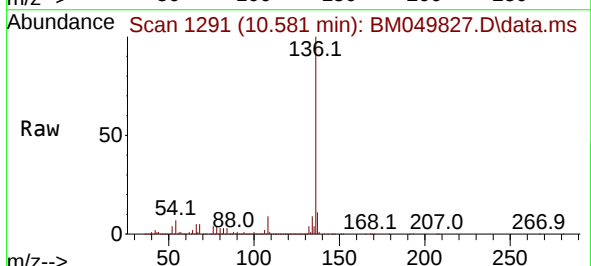
Manual Integrations
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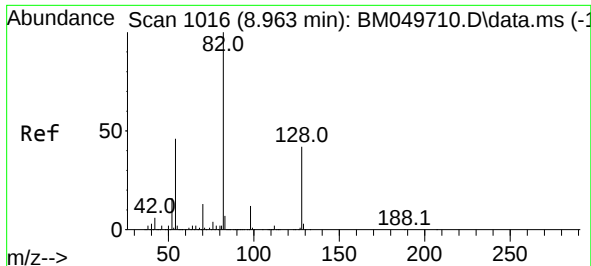
Reviewed By :Anahy Claudio 04/07/2025
Supervised By :Jagrut Upadhyay 04/07/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. -0.023 min
Lab File: BM049827.D
Acq: 04 Apr 2025 17:19

Tgt Ion:136 Resp: 1309240
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 6.5 5.8 8.8
68 5.4 4.5 6.7





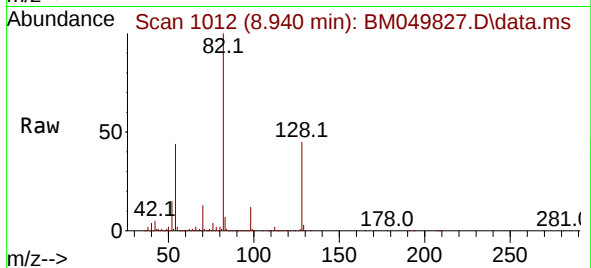
#23
Nitrobenzene-d5
Concen: 28.236 ng
RT: 8.940 min Scan# 1016
Delta R.T. -0.023 min
Lab File: BM049827.D
Acq: 04 Apr 2025 17:19

Instrument :

BNA_M

ClientSampleId :

AU-05-040325

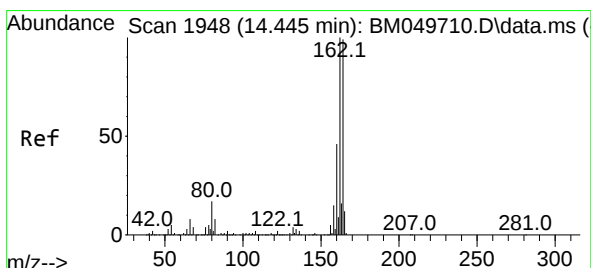
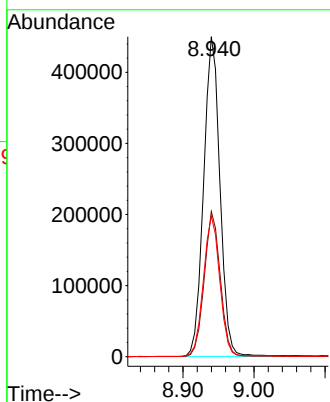
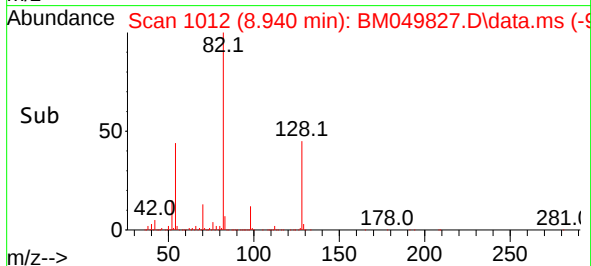


Tgt Ion: 82 Resp: 72004
Ion Ratio Lower Upper
82 100
128 45.4 33.4 50.0
54 43.9 36.4 54.6

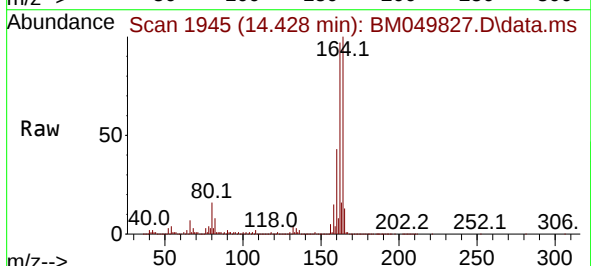
Manual Integrations

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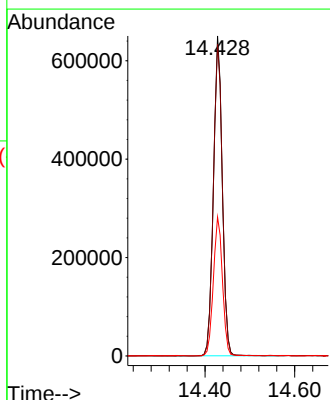
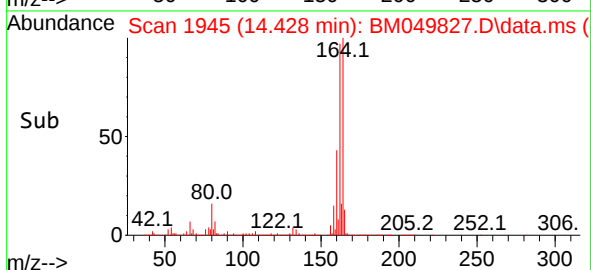
Reviewed By :Anahy Claudio 04/07/2025
Supervised By :Jagrut Upadhyay 04/07/2025

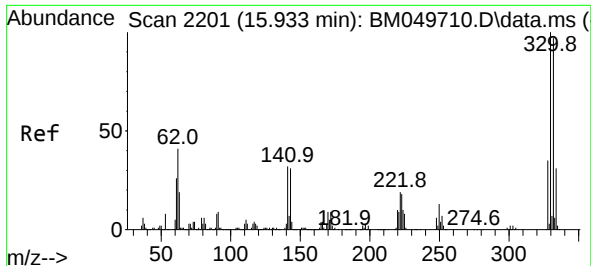


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.428 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049827.D
Acq: 04 Apr 2025 17:19



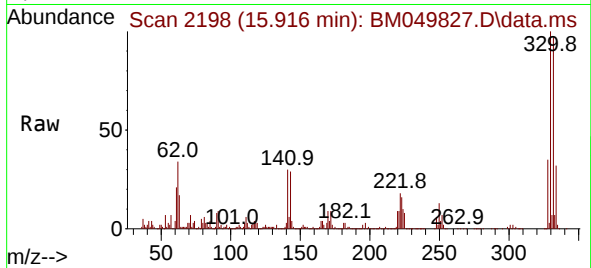
Tgt Ion:164 Resp: 888354
Ion Ratio Lower Upper
164 100
162 97.5 80.5 120.7
160 43.4 36.9 55.3





#42
2,4,6-Tribromophenol
Concen: 54.946 ng
RT: 15.916 min Scan# 2198
Delta R.T. -0.017 min
Lab File: BM049827.D
Acq: 04 Apr 2025 17:19

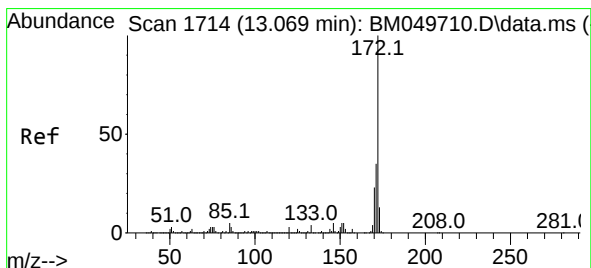
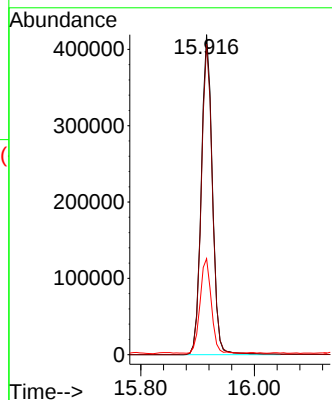
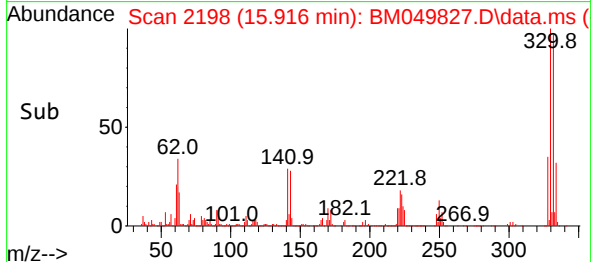
Instrument :
BNA_M
ClientSampleId :
AU-05-040325



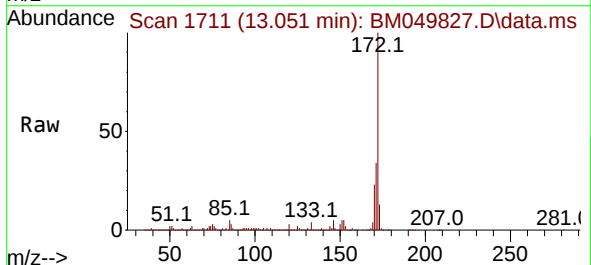
Tgt Ion:330 Resp: 569974
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.4
141 29.9 27.8 41.6

Manual Integrations
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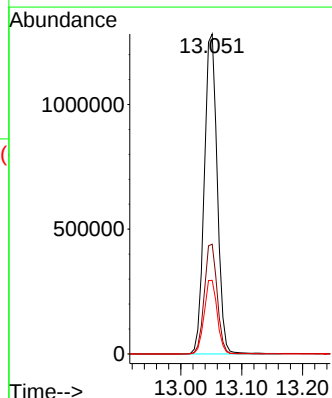
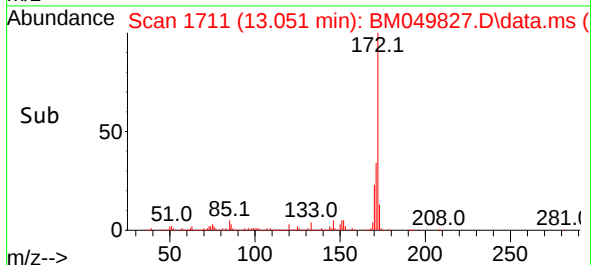
Reviewed By :Anahy Claudio 04/07/2025
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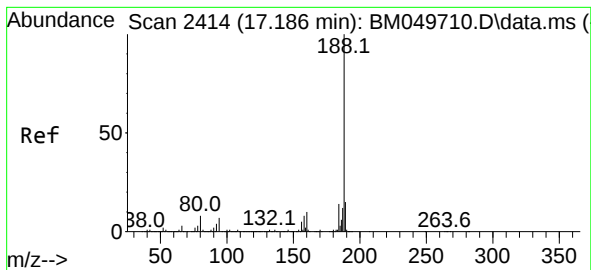


#45
2-Fluorobiphenyl
Concen: 26.702 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BM049827.D
Acq: 04 Apr 2025 17:19



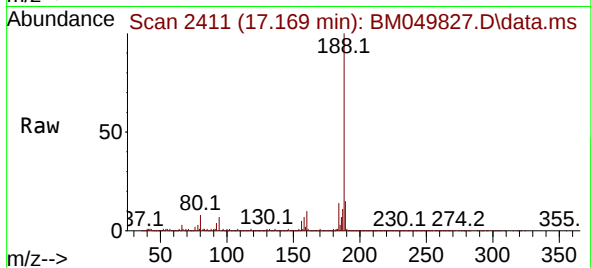
Tgt Ion:172 Resp: 1894072
Ion Ratio Lower Upper
172 100
171 34.3 27.9 41.9
170 23.0 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2414
Delta R.T. -0.017 min
Lab File: BM049827.D
Acq: 04 Apr 2025 17:19

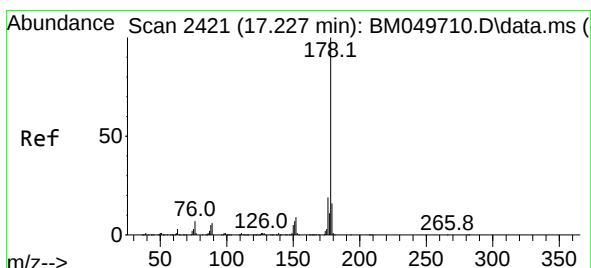
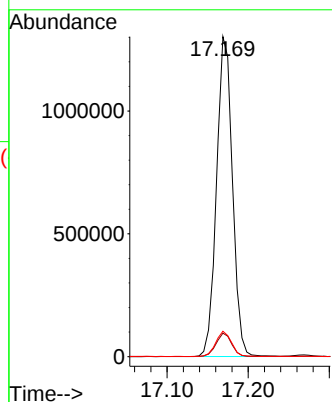
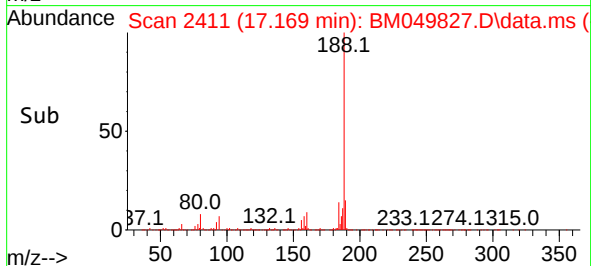
Instrument :
BNA_M
ClientSampleId :
AU-05-040325



Tgt Ion:188 Resp: 177517
Ion Ratio Lower Upper
188 100
94 7.3 5.8 8.6
80 7.9 6.3 9.5

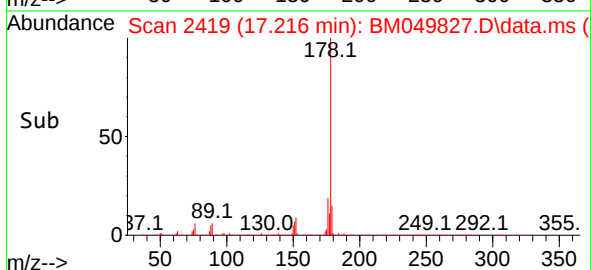
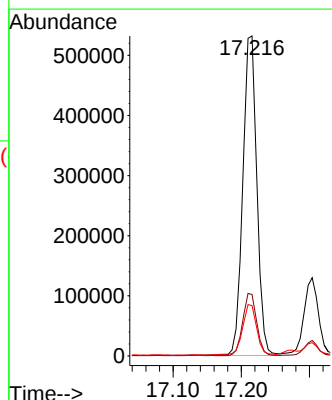
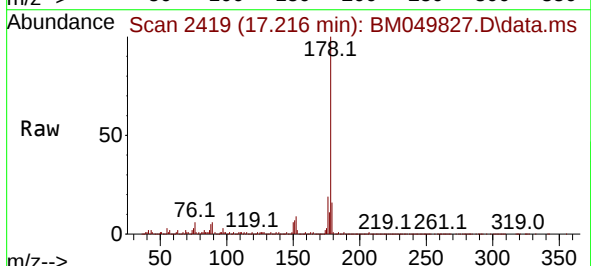
Manual Integrations
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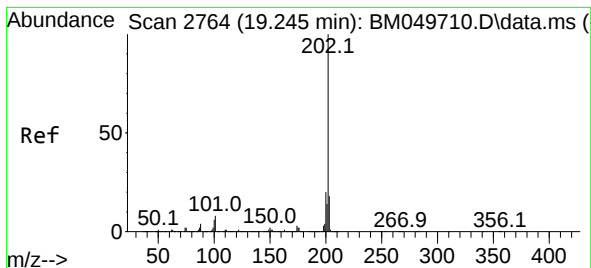
Reviewed By :Anahy Claudio 04/07/2025
Supervised By :Jagrut Upadhyay 04/07/2025



#71
Phenanthrene
Concen: 7.715 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.012 min
Lab File: BM049827.D
Acq: 04 Apr 2025 17:19

Tgt Ion:178 Resp: 760465
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.7 12.5 18.7





#75

Fluoranthene

Concen: 6.194 ng

RT: 19.227 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM049827.D

Acq: 04 Apr 2025 17:19

Instrument :

BNA_M

ClientSampleId :

AU-05-040325

Tgt Ion:202 Resp: 70293

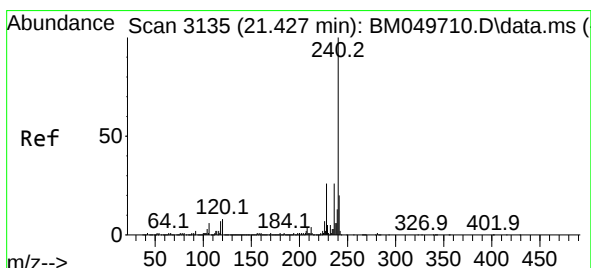
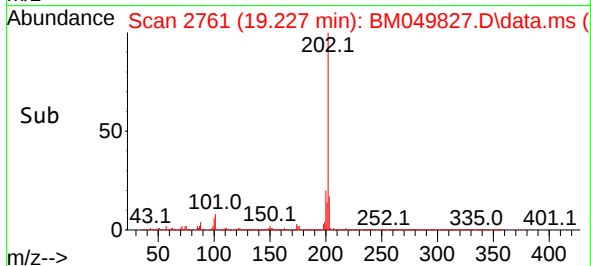
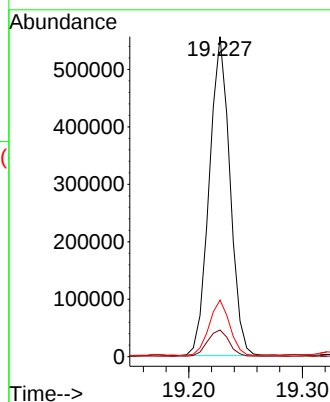
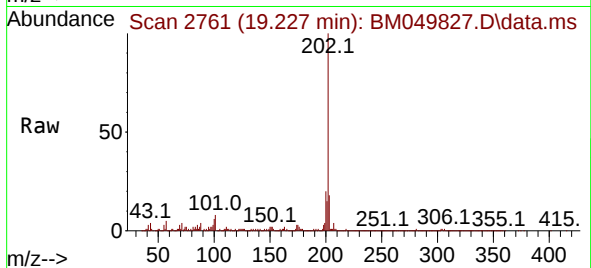
Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	27.8
203	17.7	0.0	37.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/07/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.404 min Scan# 3131

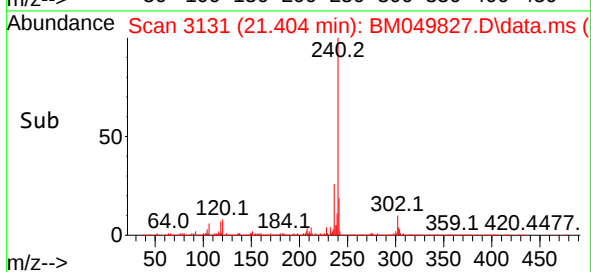
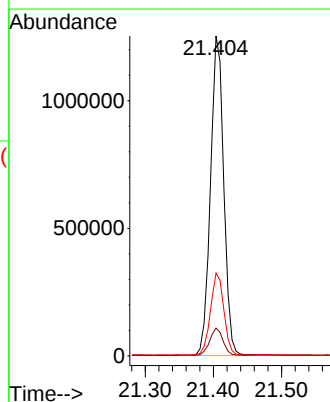
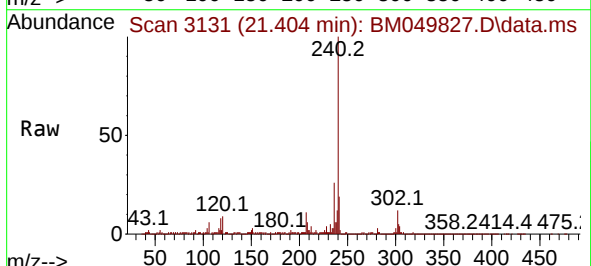
Delta R.T. -0.023 min

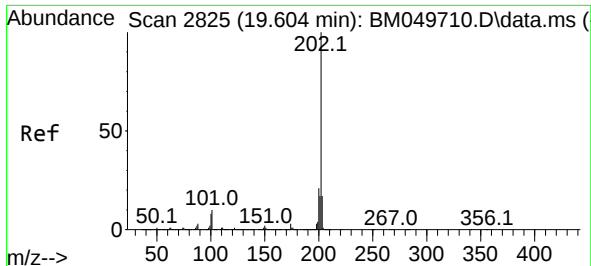
Lab File: BM049827.D

Acq: 04 Apr 2025 17:19

Tgt Ion:240 Resp: 1696526

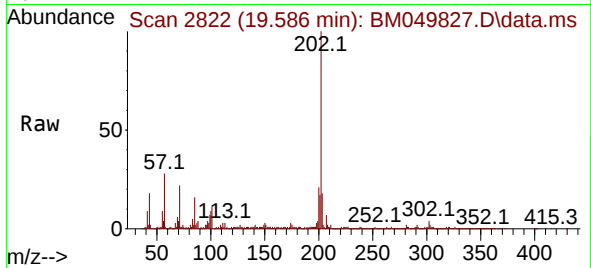
Ion	Ratio	Lower	Upper
240	100		
120	8.7	6.5	9.7
236	25.9	20.7	31.1





#78
 Pyrene
 Concen: 5.033 ng
 RT: 19.586 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM049827.D
 Acq: 04 Apr 2025 17:19

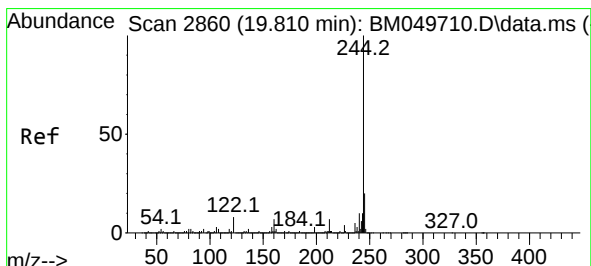
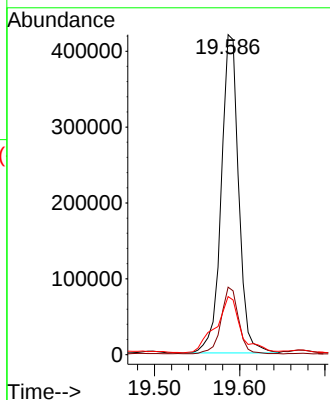
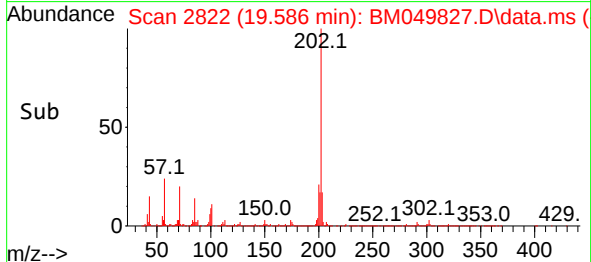
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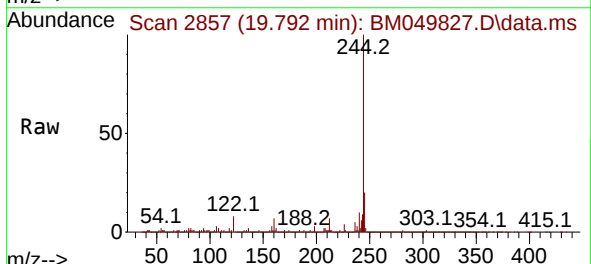
Tgt Ion:202 Resp: 596507
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.0 25.4
 203 18.1 14.0 21.0

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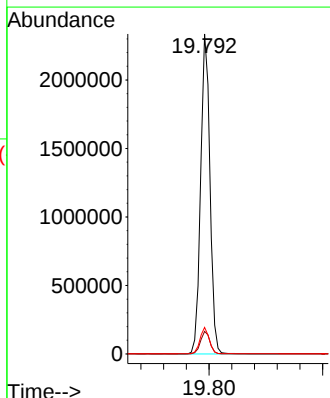
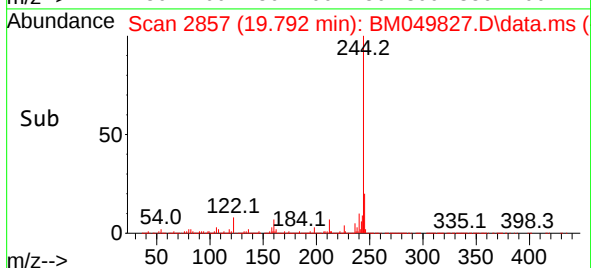
Reviewed By :Anahy Claudio 04/07/2025
 Supervised By :Jagrut Upadhyay 04/07/2025

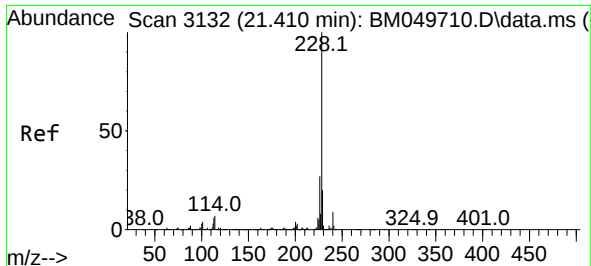


#79
 Terphenyl-d14
 Concen: 26.353 ng
 RT: 19.792 min Scan# 2857
 Delta R.T. -0.018 min
 Lab File: BM049827.D
 Acq: 04 Apr 2025 17:19



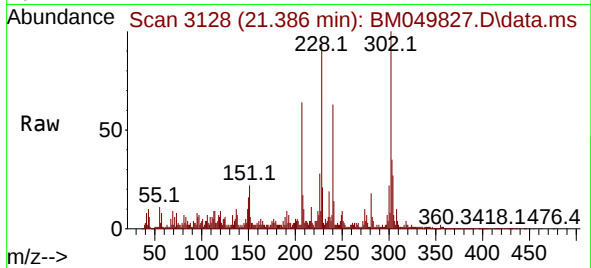
Tgt Ion:244 Resp: 2653102
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 8.3 6.0 9.0





#81
Benzo(a)anthracene
Concen: 2.567 ng
RT: 21.386 min Scan# 3132
Delta R.T. -0.023 min
Lab File: BM049827.D
Acq: 04 Apr 2025 17:19

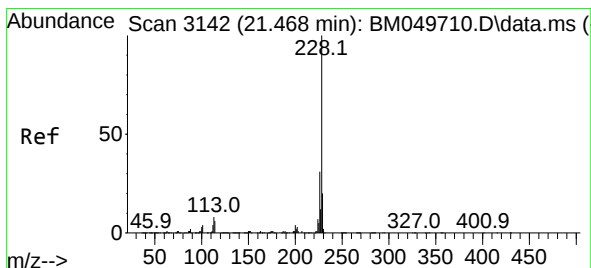
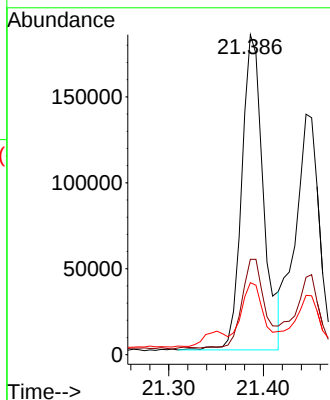
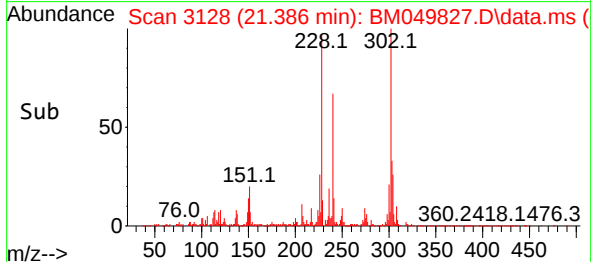
Instrument :
BNA_M
ClientSampleId :
AU-05-040325



Tgt Ion:228 Resp: 290840
Ion Ratio Lower Upper
228 100
226 29.8 22.0 33.0
229 22.5 15.8 23.8

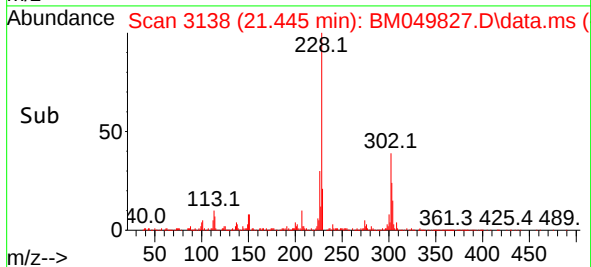
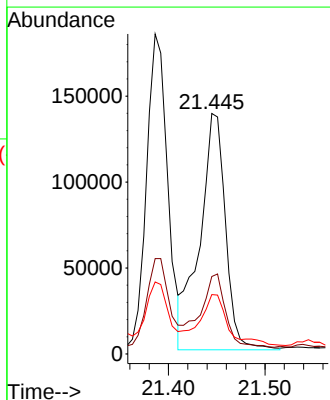
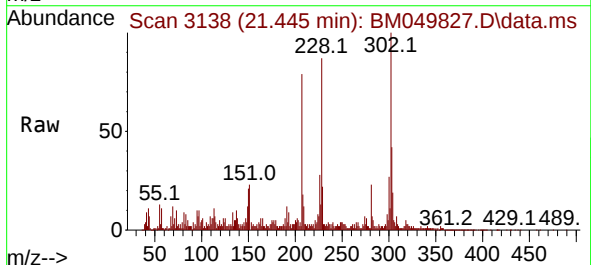
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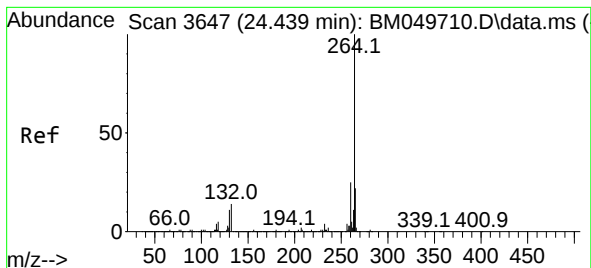
Reviewed By :Anahy Claudio 04/07/2025
Supervised By :Jagrut Upadhyay 04/07/2025



#83
Chrysene
Concen: 2.399 ng m
RT: 21.445 min Scan# 3138
Delta R.T. -0.023 min
Lab File: BM049827.D
Acq: 04 Apr 2025 17:19

Tgt Ion:228 Resp: 257646
Ion Ratio Lower Upper
228 100
226 32.2 24.5 36.7
229 24.7 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.409 min Scan# 30

Delta R.T. -0.029 min

Lab File: BM049827.D

Acq: 04 Apr 2025 17:19

Instrument :

BNA_M

ClientSampleId :

AU-05-040325

Tgt Ion:264 Resp: 1927449

Ion Ratio Lower Upper

264 100

260 23.9 19.6 29.4

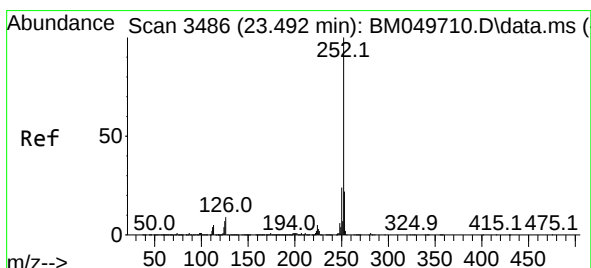
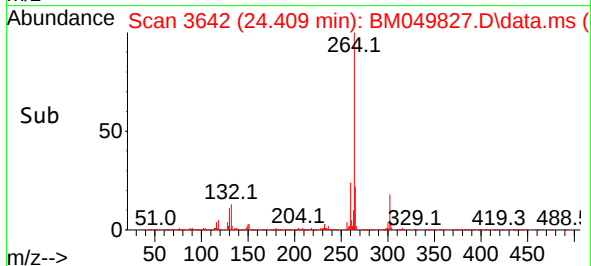
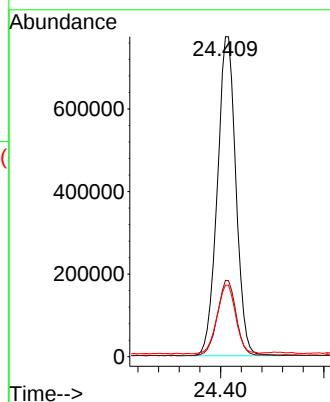
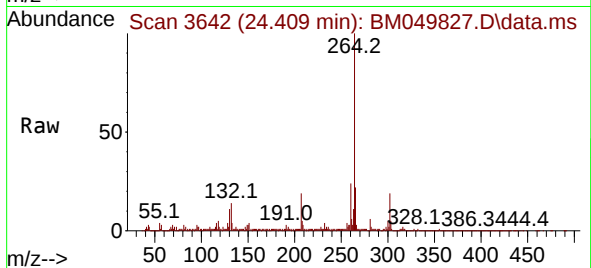
265 22.4 18.2 27.2

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Reviewed By :Anahy Claudio 04/07/2025

Supervised By :Jagrut Upadhyay 04/07/2025



#88

Benzo(b)fluoranthene

Concen: 2.441 ng

RT: 23.462 min Scan# 3481

Delta R.T. -0.029 min

Lab File: BM049827.D

Acq: 04 Apr 2025 17:19

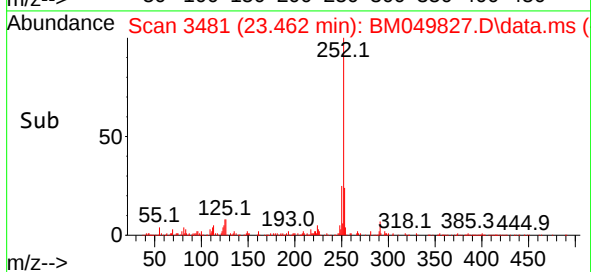
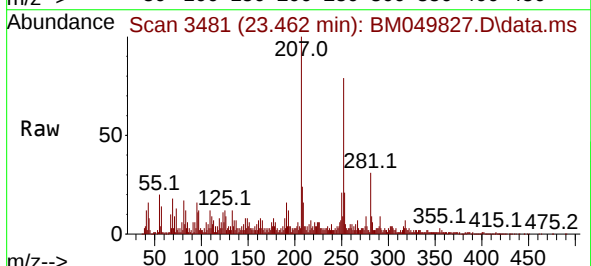
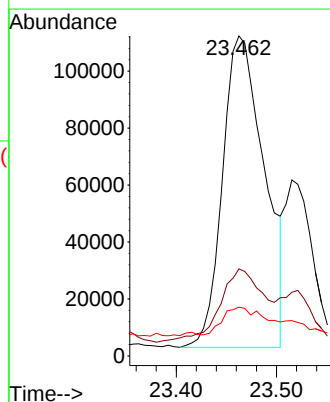
Tgt Ion:252 Resp: 316839

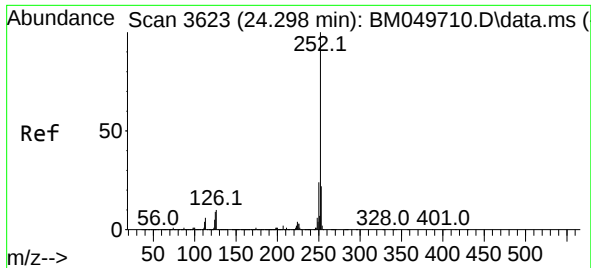
Ion Ratio Lower Upper

252 100

253 27.2 17.4 26.0#

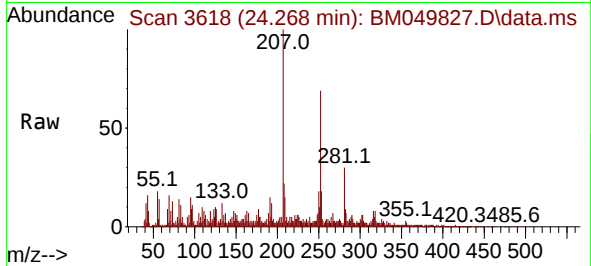
125 15.3 5.9 8.9#





#90
Benzo(a)pyrene
Concen: 2.171 ng
RT: 24.268 min Scan# 30
Delta R.T. -0.029 min
Lab File: BM049827.D
Acq: 04 Apr 2025 17:19

Instrument :
BNA_M
ClientSampleId :
AU-05-040325



Tgt Ion:252 Resp: 236780
Ion Ratio Lower Upper
252 100
253 26.1 17.2 25.8
125 14.9 7.0 10.6

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

