

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

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)

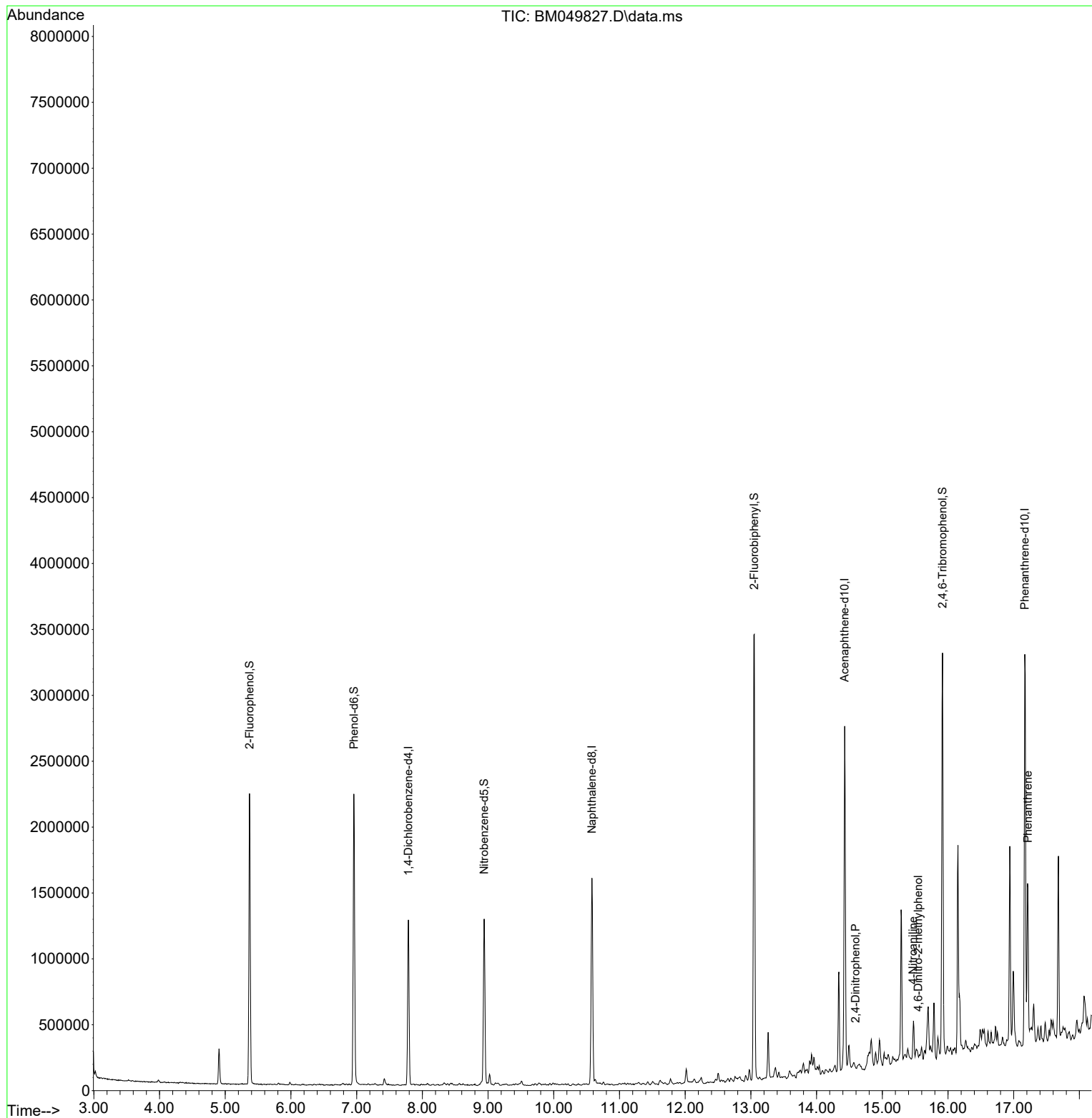
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	354141	20.000	ng	-0.02
21) Naphthalene-d8	10.581	136	1309240	20.000	ng	-0.02
39) Acenaphthene-d10	14.428	164	888354	20.000	ng	-0.02
64) Phenanthrene-d10	17.169	188	1775171	20.000	ng	-0.02
76) Chrysene-d12	21.404	240	1696526	20.000	ng	-0.02
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
54) 2,4-Dinitrophenol	14.592	184	129	3.211	ng	# 1
62) 4-Nitroaniline	15.469	138	1307	3.844	ng	# 75
65) 4,6-Dinitro-2-methylph...	15.545	198	208	3.040	ng	# 1
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	21.386	228	290846	2.708	ng	97
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

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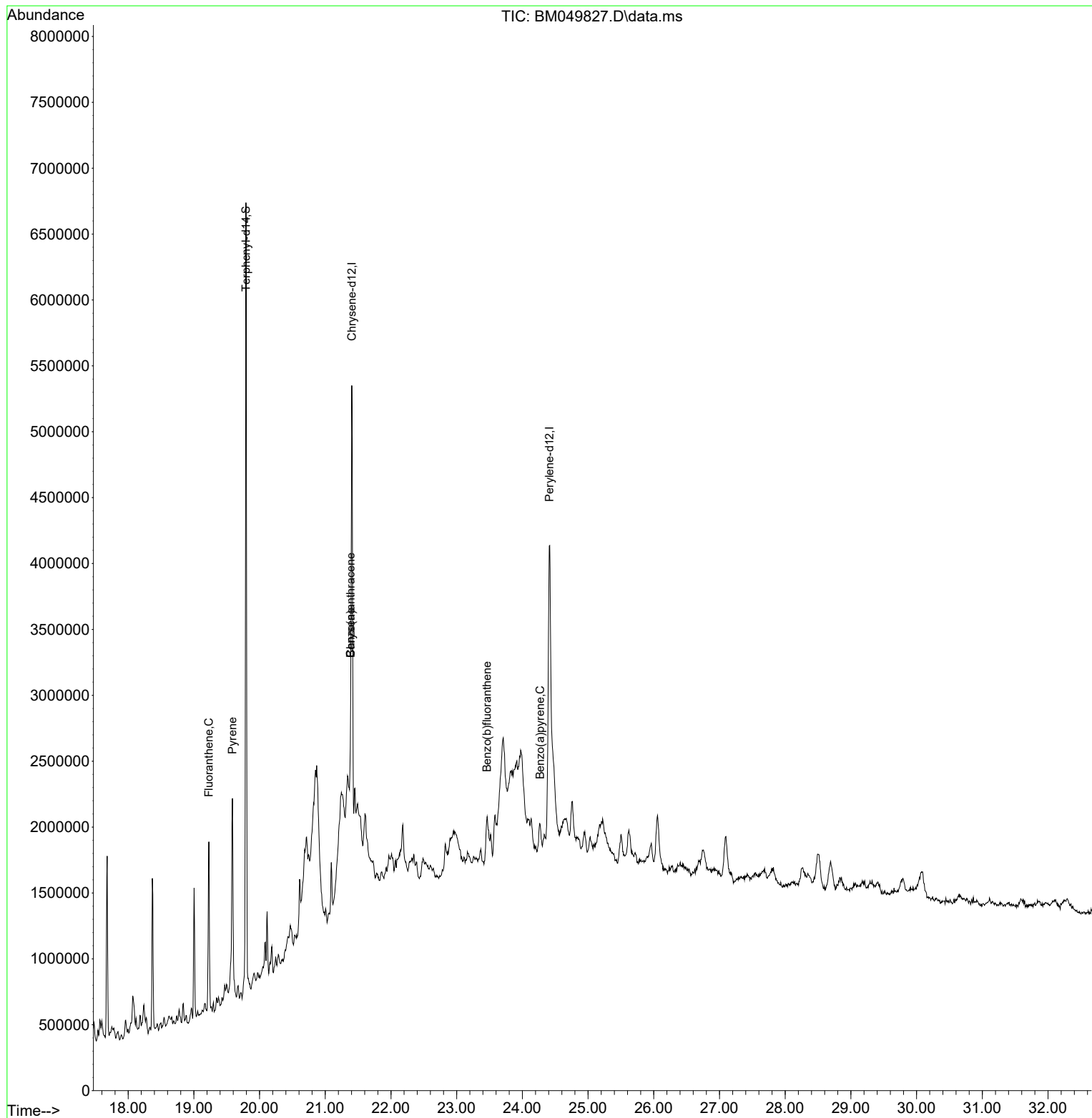
Quant Time: Apr 04 22:55:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
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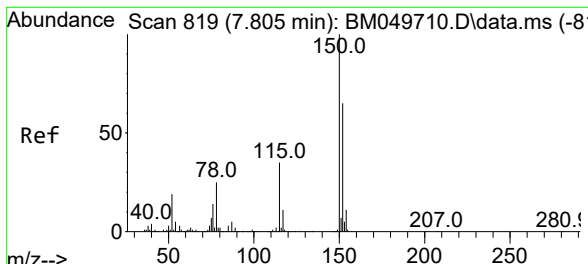


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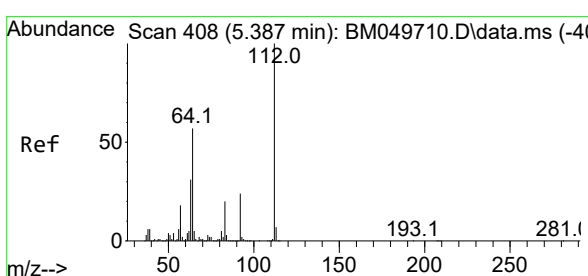
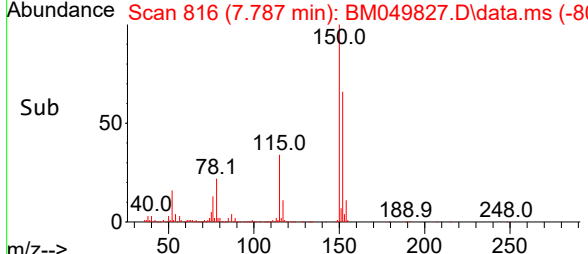
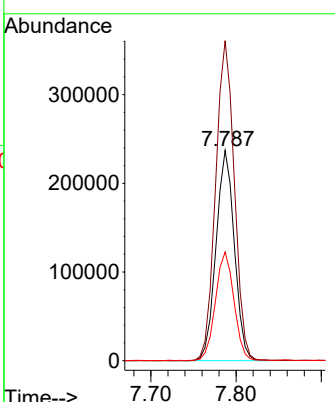
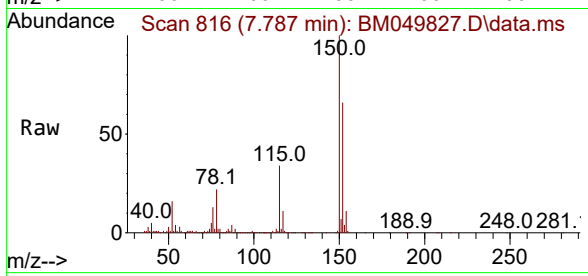


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.787 min Scan# 81
 Delta R.T. -0.018 min
 Lab File: BM049827.D
 Acq: 04 Apr 2025 17:19

Instrument :
 BNA_M
 ClientSampleId :
 AU-05-040325

Tgt Ion:152 Resp: 354141

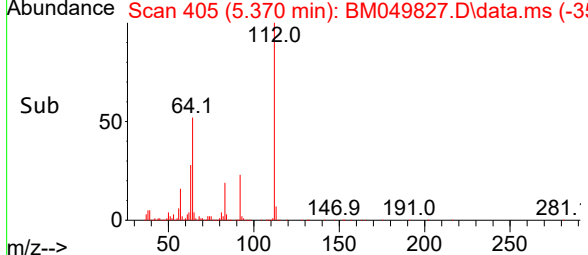
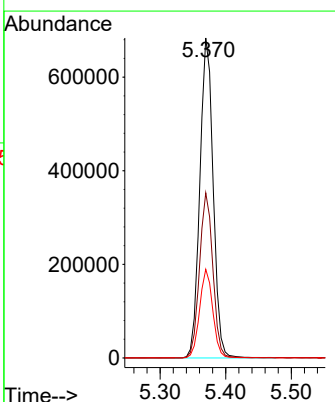
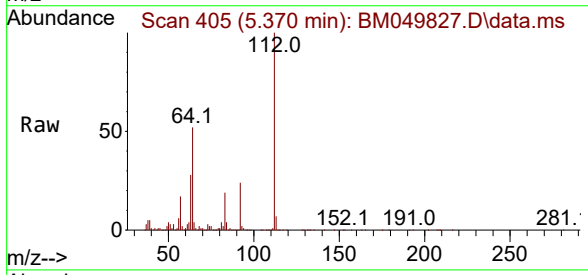
Ion	Ratio	Lower	Upper
152	100		
150	152.3	123.8	185.8
115	51.7	43.0	64.6

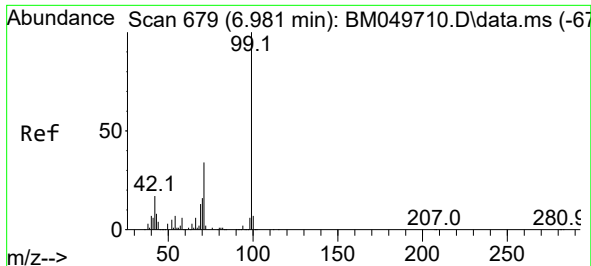


#5
 2-Fluorophenol
 Concen: 46.227 ng
 RT: 5.370 min Scan# 405
 Delta R.T. -0.018 min
 Lab File: BM049827.D
 Acq: 04 Apr 2025 17:19

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

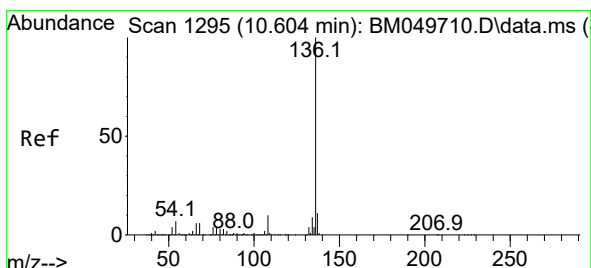
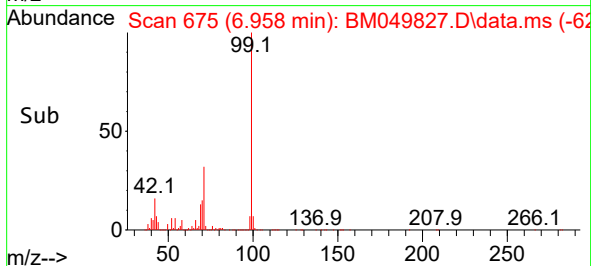
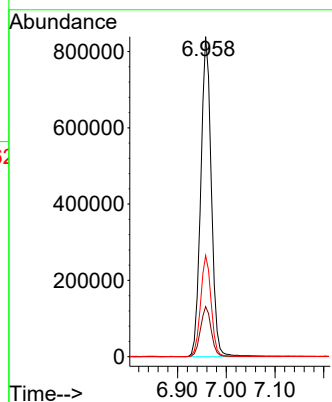
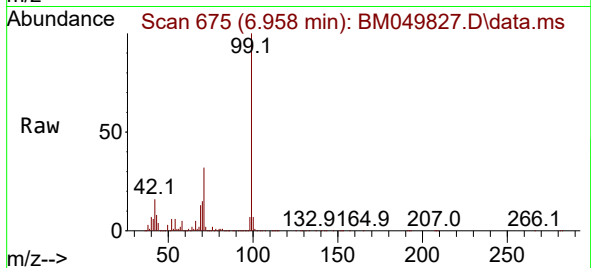




#7
Phenol-d6
Concen: 48.252 ng
RT: 6.958 min Scan# 61
Delta R.T. -0.023 min
Lab File: BM049827.D
Acq: 04 Apr 2025 17:19

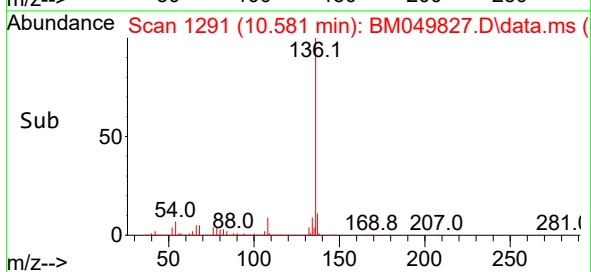
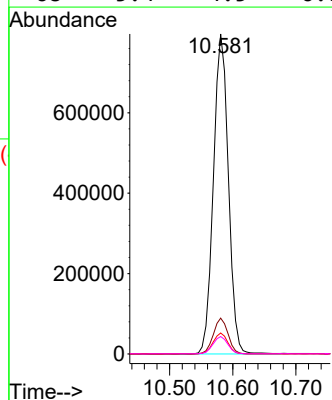
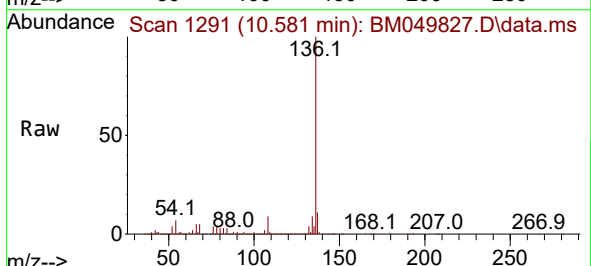
Instrument :
BNA_M
ClientSampleId :
AU-05-040325

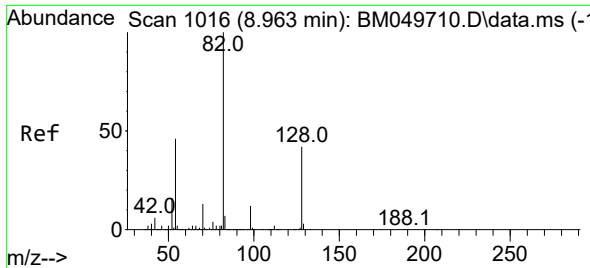
Tgt Ion: 99 Resp: 1270933
Ion Ratio Lower Upper
99 100
42 15.7 13.6 20.4
71 31.6 27.0 40.6



#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

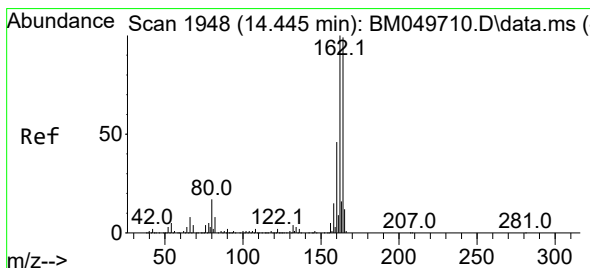
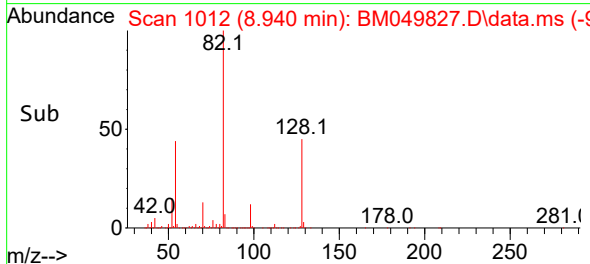
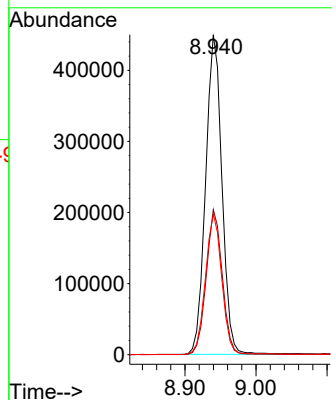
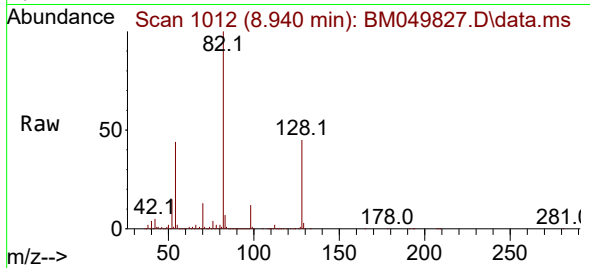




#23
Nitrobenzene-d5
Concen: 28.236 ng
RT: 8.940 min Scan# 1016
Delta R.T. -0.023 min
Lab File: BM049827.D
Acq: 04 Apr 2025 17:19

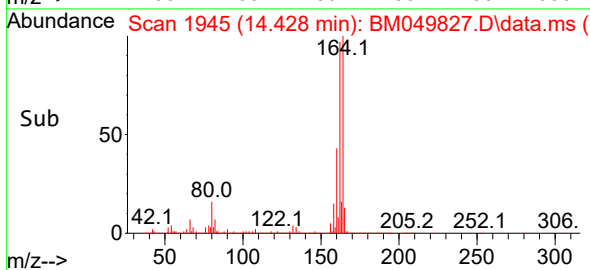
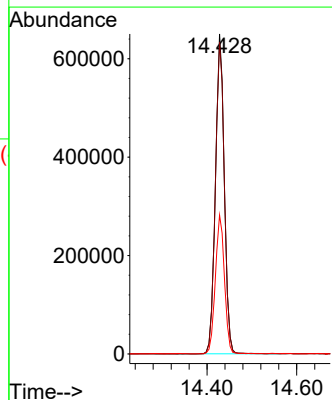
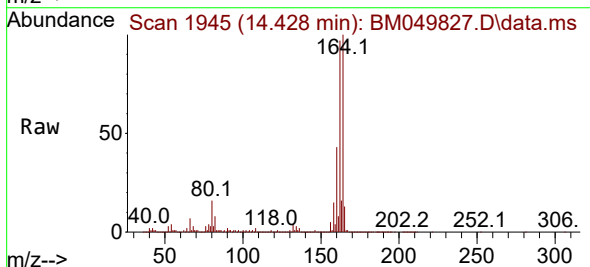
Instrument :
BNA_M
ClientSampleId :
AU-05-040325

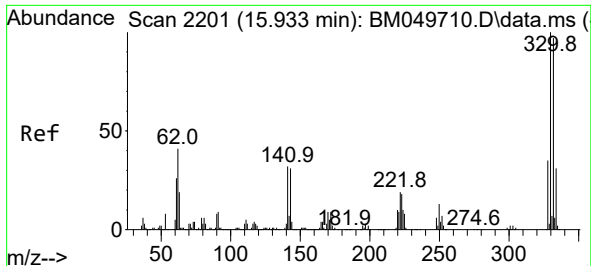
Tgt Ion: 82 Resp: 720042
Ion Ratio Lower Upper
82 100
128 45.4 33.4 50.0
54 43.9 36.4 54.6



#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

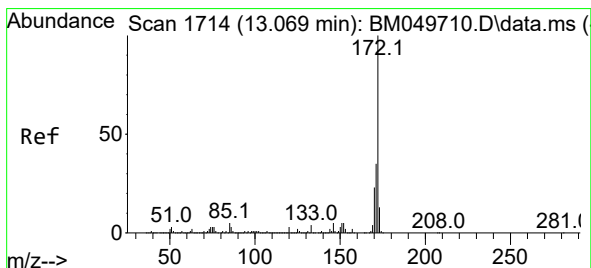
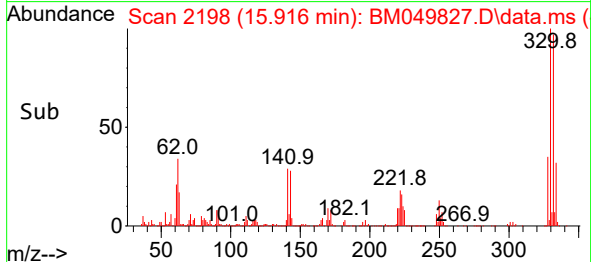
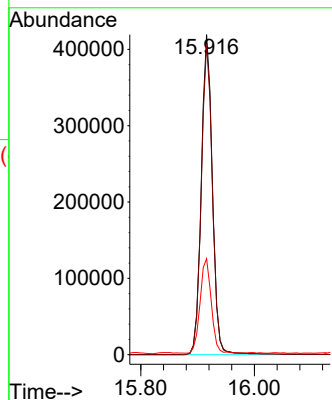
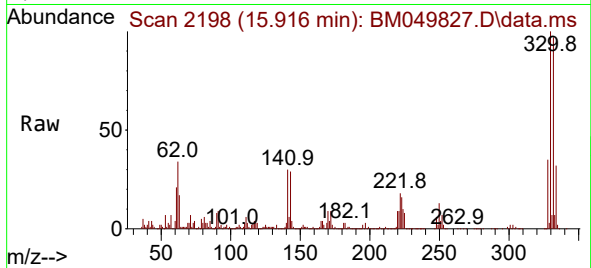




#42
2,4,6-Tribromophenol
Concen: 54.946 ng
RT: 15.916 min Scan# 21
Delta R.T. -0.017 min
Lab File: BM049827.D
Acq: 04 Apr 2025 17:19

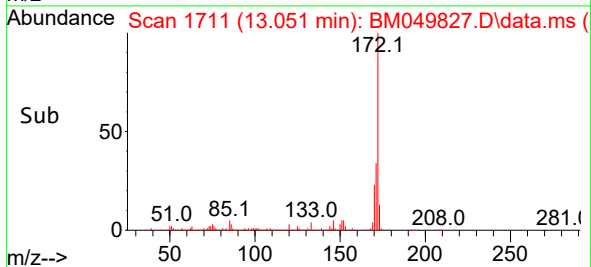
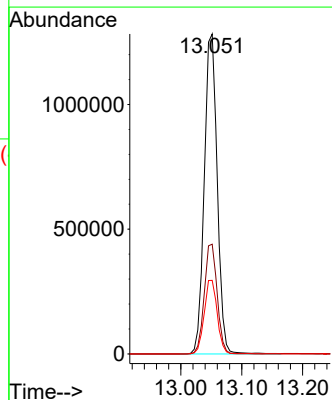
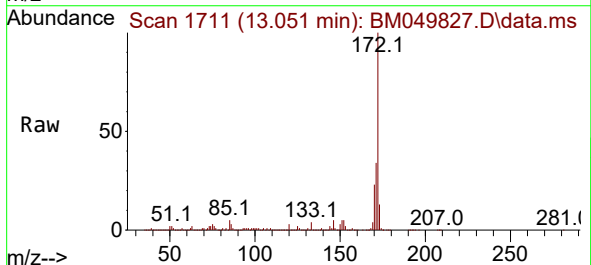
Instrument :
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ClientSampleId :
AU-05-040325

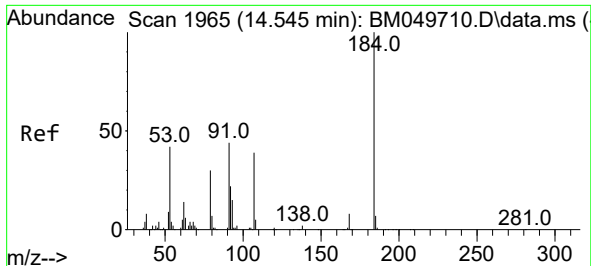
Tgt Ion:330 Resp: 569974
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.4
141 29.9 27.8 41.6



#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

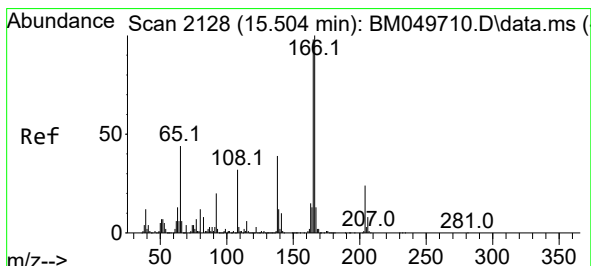
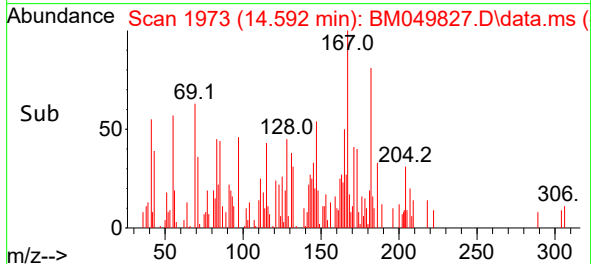
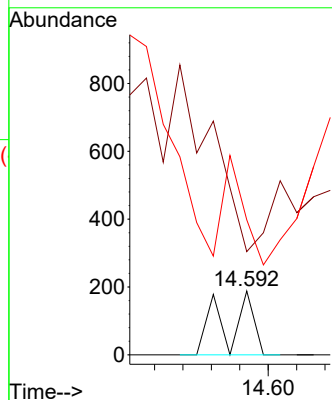
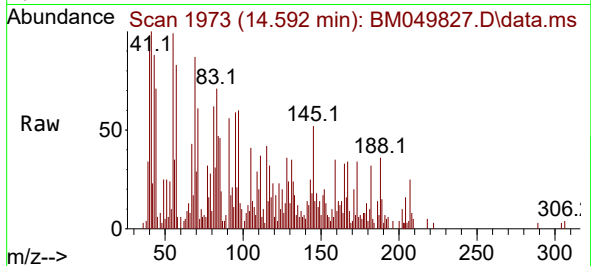




#54
2,4-Dinitrophenol
Concen: 3.211 ng
RT: 14.592 min Scan# 1965
Delta R.T. 0.047 min
Lab File: BM049827.D
Acq: 04 Apr 2025 17:19

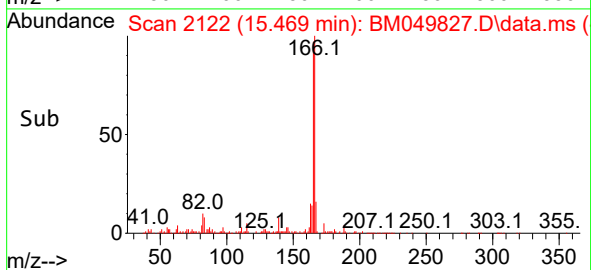
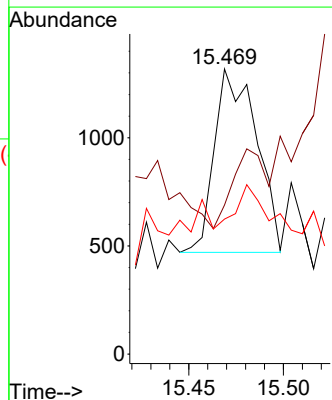
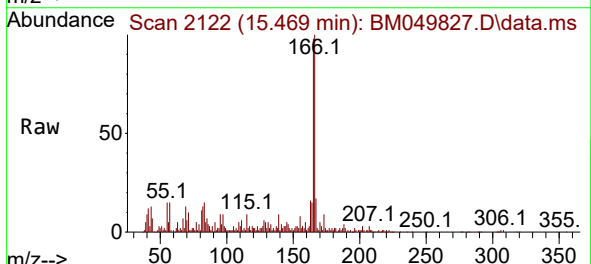
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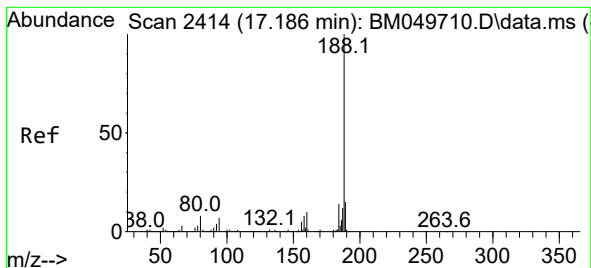
Tgt Ion:184 Resp: 129
Ion Ratio Lower Upper
184 100
63 161.7 47.2 70.8#
154 211.7 49.9 74.9#



#62
4-Nitroaniline
Concen: 3.844 ng
RT: 15.469 min Scan# 2122
Delta R.T. -0.035 min
Lab File: BM049827.D
Acq: 04 Apr 2025 17:19

Tgt Ion:138 Resp: 1307
Ion Ratio Lower Upper
138 100
92 52.3 29.8 69.8
108 47.3 61.3 101.3#





#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

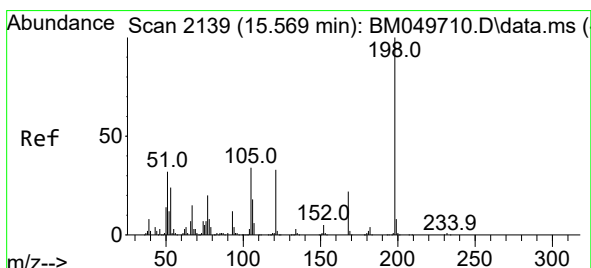
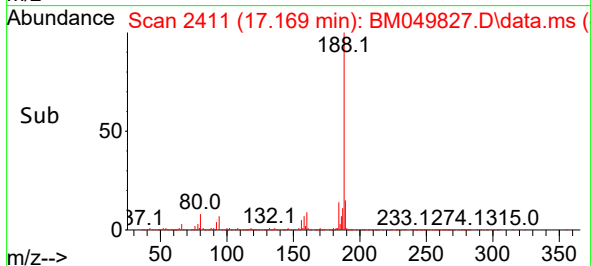
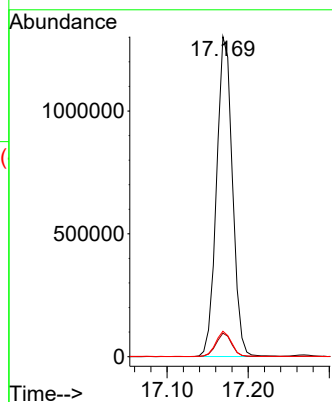
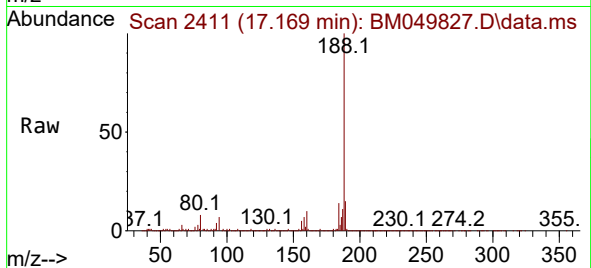
Tgt Ion:188 Resp: 1775171

Ion Ratio Lower Upper

188 100

94 7.3 5.8 8.6

80 7.9 6.3 9.5



#65

4,6-Dinitro-2-methylphenol

Concen: 3.040 ng

RT: 15.545 min Scan# 2135

Delta R.T. -0.024 min

Lab File: BM049827.D

Acq: 04 Apr 2025 17:19

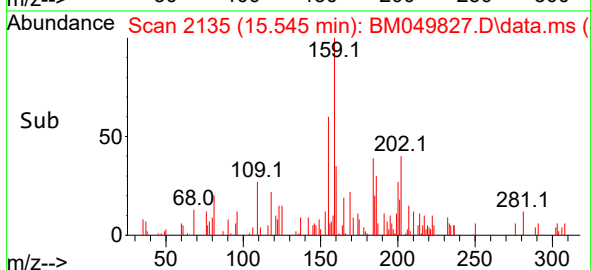
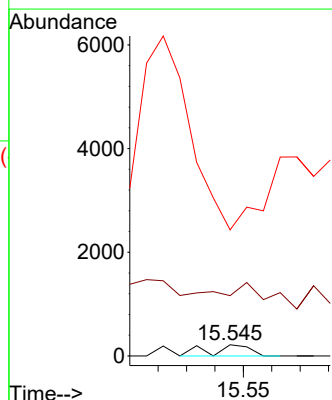
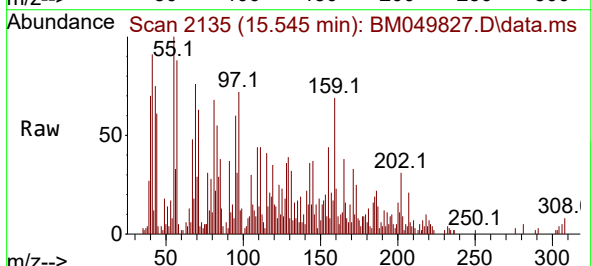
Tgt Ion:198 Resp: 208

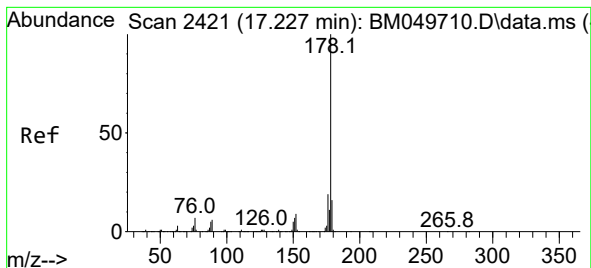
Ion Ratio Lower Upper

198 100

51 540.9 13.8 53.8#

105 1130.7 14.0 54.0#





#71

Phenanthrene

Concen: 7.715 ng

RT: 17.216 min Scan# 24

Delta R.T. -0.012 min

Lab File: BM049827.D

Acq: 04 Apr 2025 17:19

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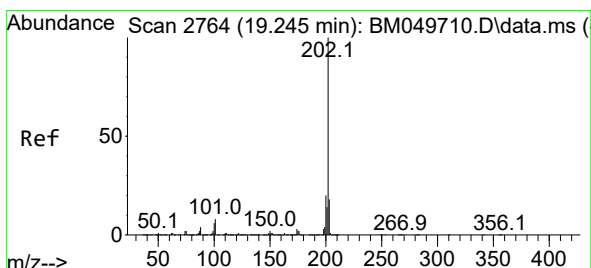
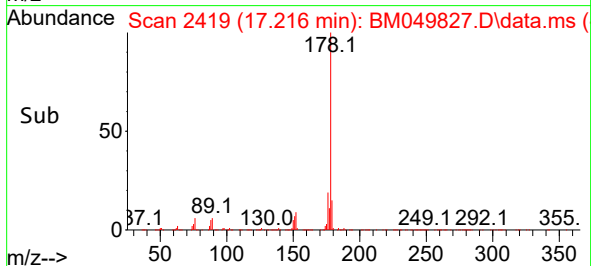
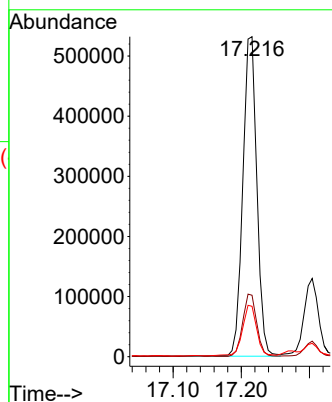
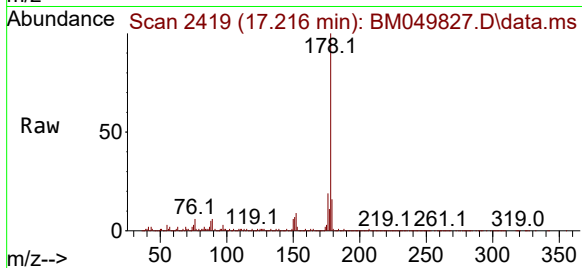
Tgt Ion:178 Resp: 760465

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# 2761

Delta R.T. -0.018 min

Lab File: BM049827.D

Acq: 04 Apr 2025 17:19

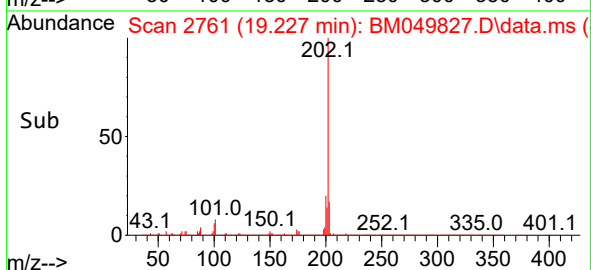
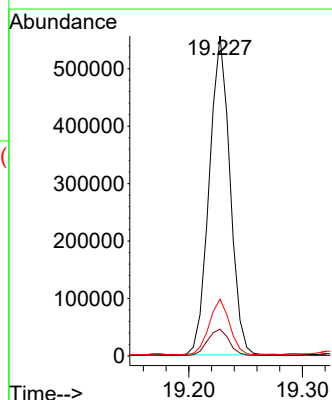
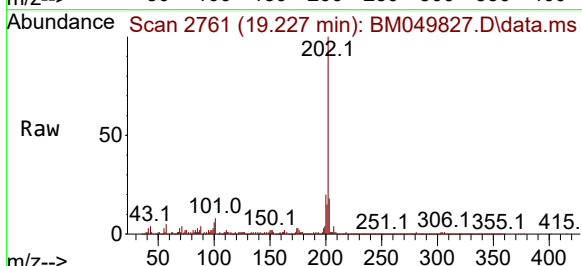
Tgt Ion:202 Resp: 702931

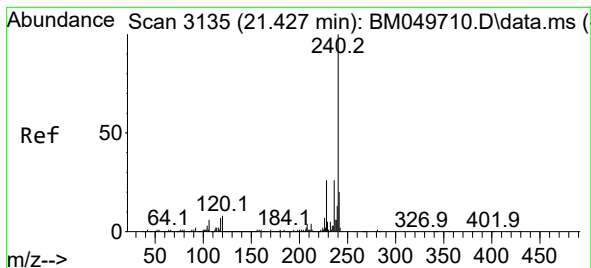
Ion Ratio Lower Upper

202 100

101 8.4 0.0 27.8

203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.404 min Scan# 31

Delta R.T. -0.023 min

Lab File: BM049827.D

Acq: 04 Apr 2025 17:19

Instrument :

BNA_M

ClientSampleId :

AU-05-040325

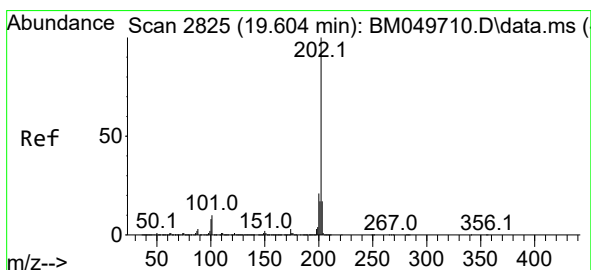
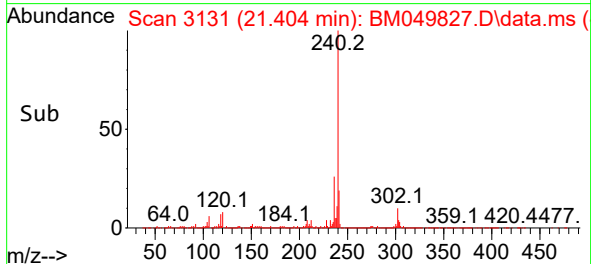
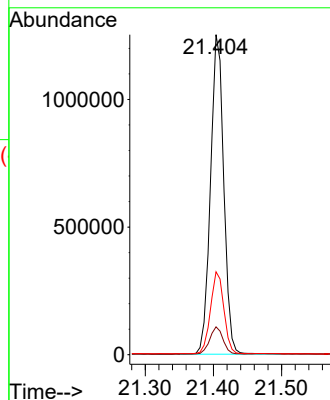
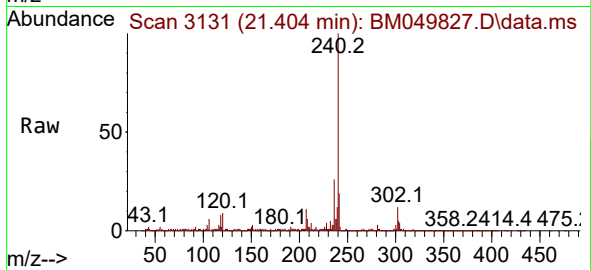
Tgt Ion:240 Resp: 1696526

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# 2822

Delta R.T. -0.018 min

Lab File: BM049827.D

Acq: 04 Apr 2025 17:19

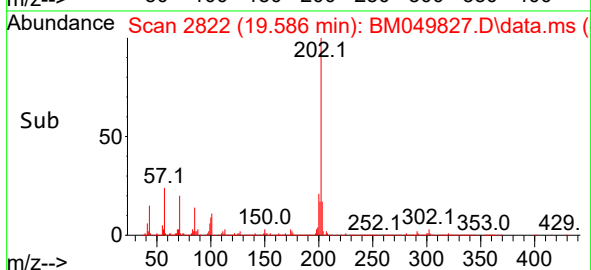
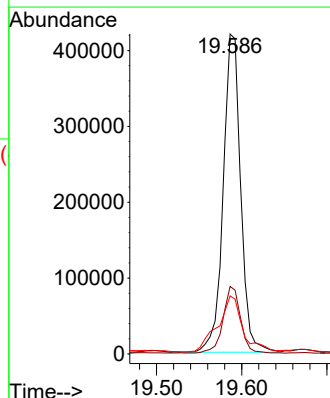
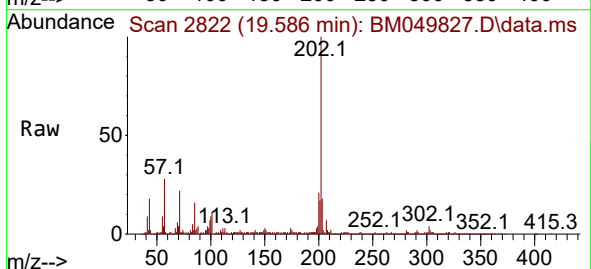
Tgt Ion:202 Resp: 596507

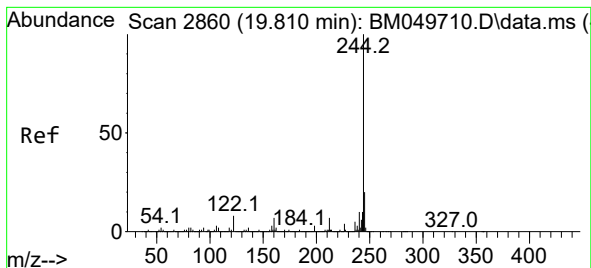
Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

203 18.1 14.0 21.0





#79

Terphenyl-d14

Concen: 26.353 ng

RT: 19.792 min Scan# 2

Delta R.T. -0.018 min

Lab File: BM049827.D

Acq: 04 Apr 2025 17:19

Instrument :

BNA_M

ClientSampleId :

AU-05-040325

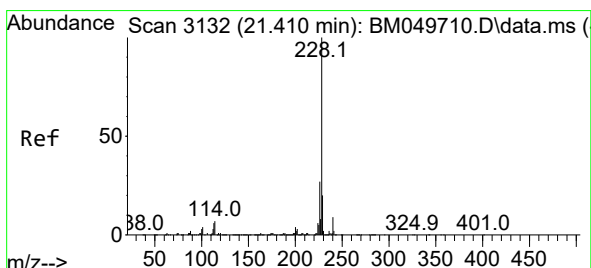
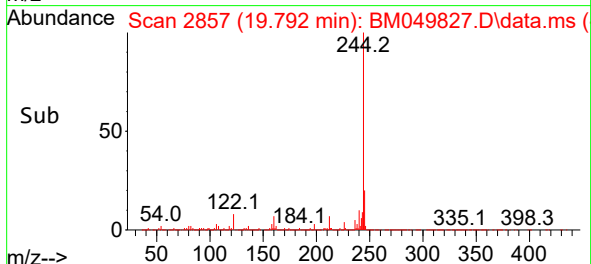
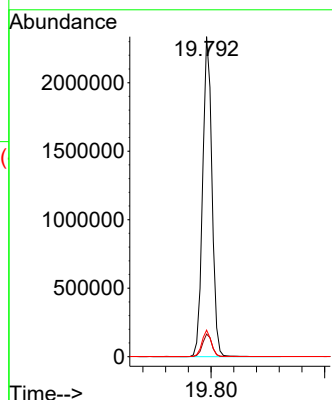
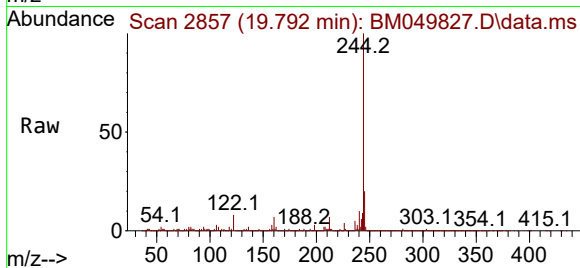
Tgt Ion:244 Resp: 2653102

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# 3128

Delta R.T. -0.023 min

Lab File: BM049827.D

Acq: 04 Apr 2025 17:19

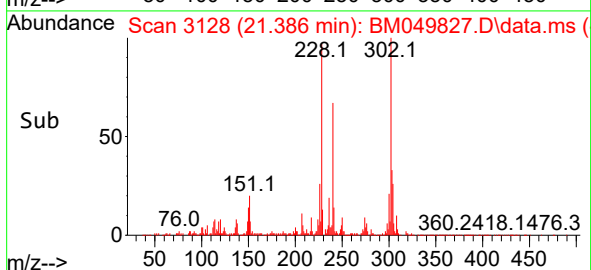
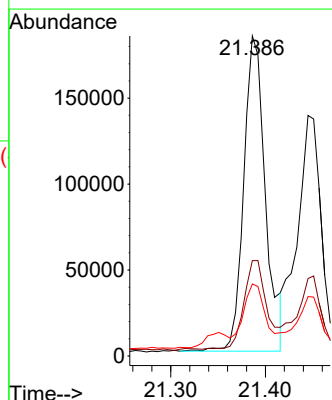
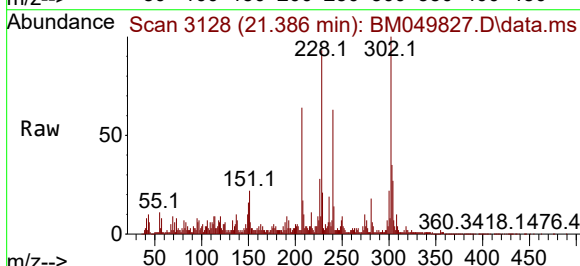
Tgt Ion:228 Resp: 290846

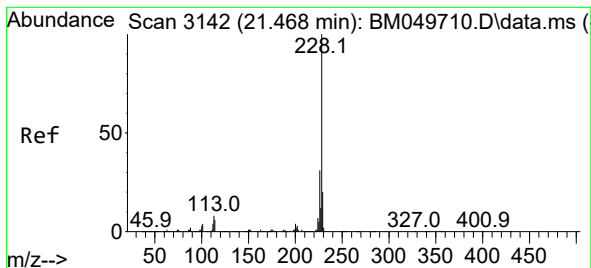
Ion Ratio Lower Upper

228 100

226 29.8 22.0 33.0

229 22.5 15.8 23.8





#83

Chrysene

Concen: 2.708 ng

RT: 21.386 min Scan# 3142

Delta R.T. -0.082 min

Lab File: BM049827.D

Acq: 04 Apr 2025 17:19

Instrument :

BNA_M

ClientSampleId :

AU-05-040325

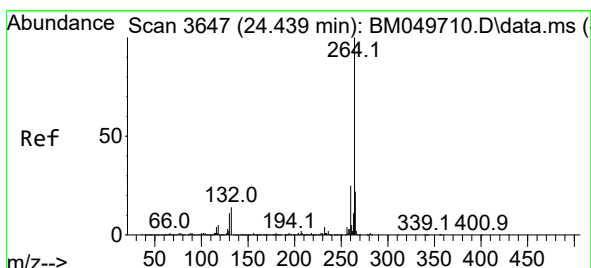
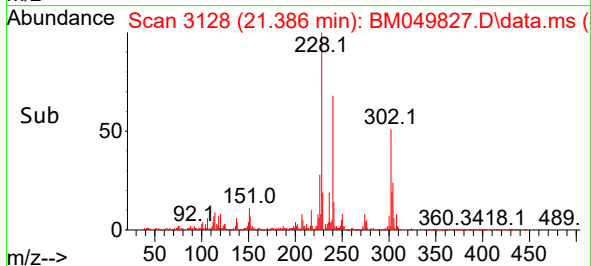
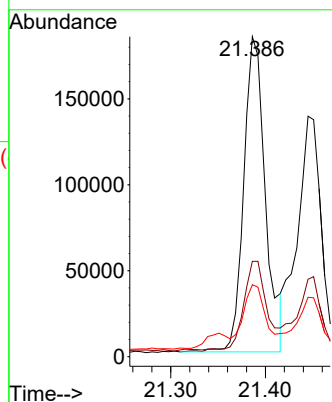
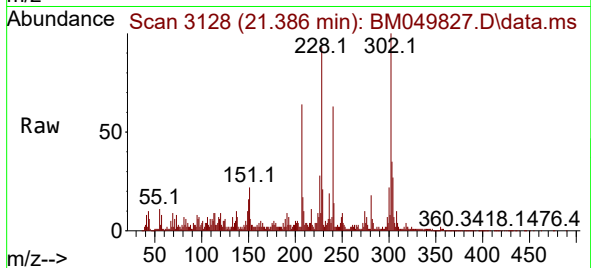
Tgt Ion:228 Resp: 290846

Ion Ratio Lower Upper

228 100

226 29.8 24.5 36.7

229 22.5 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.409 min Scan# 3642

Delta R.T. -0.029 min

Lab File: BM049827.D

Acq: 04 Apr 2025 17:19

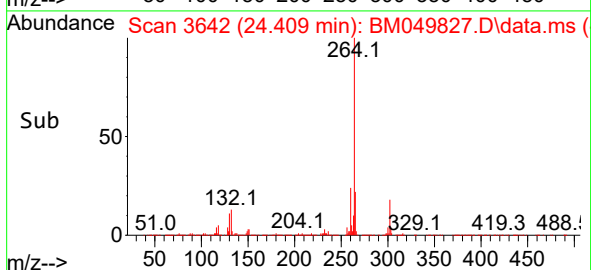
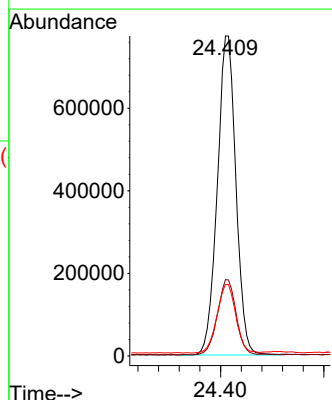
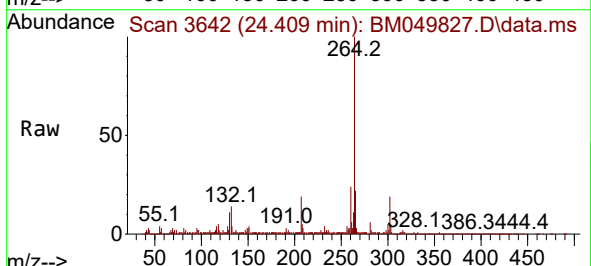
Tgt Ion:264 Resp: 1927449

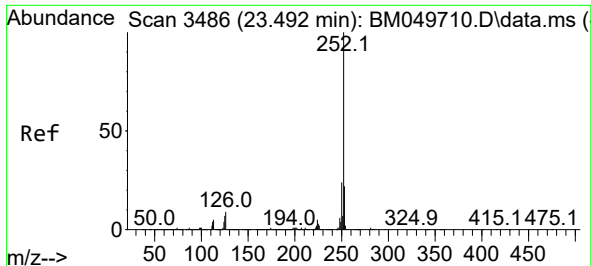
Ion Ratio Lower Upper

264 100

260 23.9 19.6 29.4

265 22.4 18.2 27.2

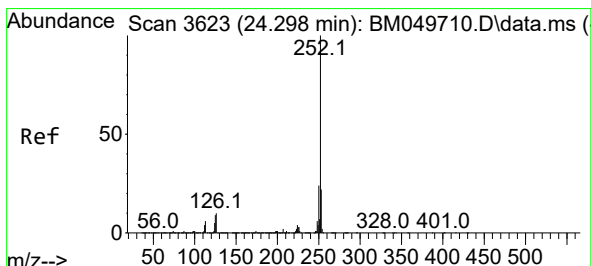
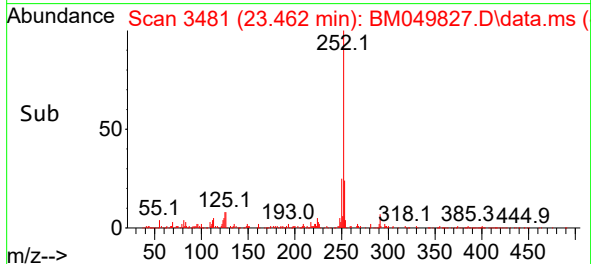
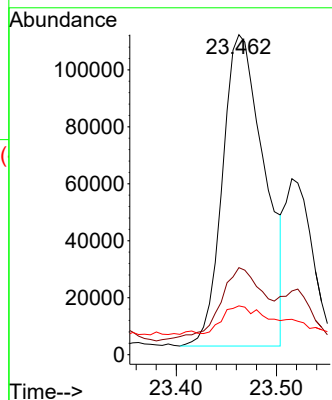
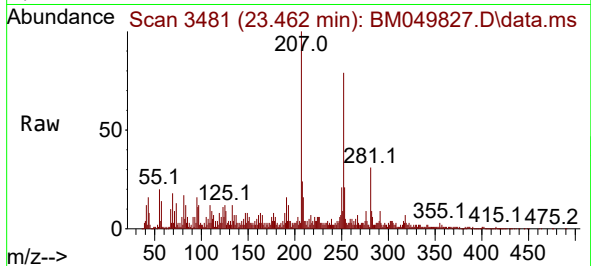




#88
Benzo(b)fluoranthene
Concen: 2.441 ng
RT: 23.462 min Scan# 3486
Delta R.T. -0.029 min
Lab File: BM049827.D
Acq: 04 Apr 2025 17:19

Instrument :
BNA_M
ClientSampleId :
AU-05-040325

Tgt Ion:252 Resp: 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# 3618
Delta R.T. -0.029 min
Lab File: BM049827.D
Acq: 04 Apr 2025 17:19

Tgt Ion:252 Resp: 236786
Ion Ratio Lower Upper
252 100
253 26.1 17.2 25.8#
125 14.9 7.0 10.6#

