

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
 Data File : BM049846.D
 Acq On : 07 Apr 2025 19:18
 Operator : RC/JU
 Sample : Q1732-01 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TT-8

Quant Time: Apr 08 01:00:23 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)

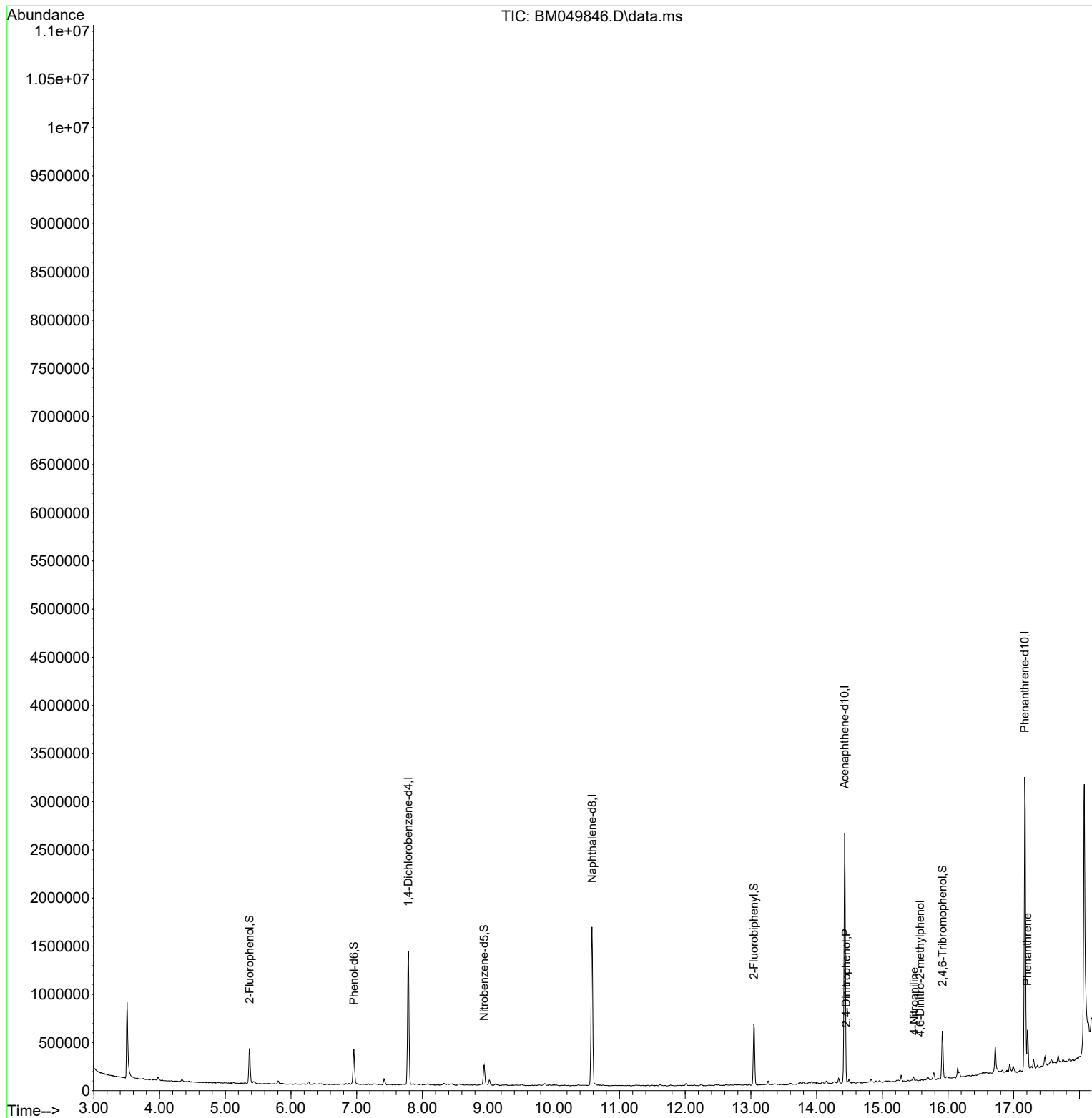
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	406518	20.000	ng	-0.02
21) Naphthalene-d8	10.581	136	1420039	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	930453	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1824939	20.000	ng	-0.02
76) Chrysene-d12	21.409	240	1851379	20.000	ng	-0.02
86) Perylene-d12	24.421	264	2142266	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	172808	7.173	ng	-0.02
7) Phenol-d6	6.957	99	210178	6.952	ng	-0.02
23) Nitrobenzene-d5	8.939	82	117604	4.252	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	104949	9.659	ng	-0.02
45) 2-Fluorobiphenyl	13.045	172	347118	4.672	ng	-0.02
79) Terphenyl-d14	19.792	244	465669	4.239	ng	-0.02
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.451	184	58	3.197	ng	# 1
62) 4-Nitroaniline	15.486	138	314	3.777	ng	# 32
65) 4,6-Dinitro-2-methylph...	15.574	198	64	3.022	ng	# 1
71) Phenanthrene	17.209	178	255635	2.523	ng	99
75) Fluoranthene	19.227	202	462963	3.968	ng	97
78) Pyrene	19.592	202	417264	3.226	ng	99
83) Chrysene	21.392	228	237371	2.025	ng	95
88) Benzo(b)fluoranthene	23.474	252	313195	2.171	ng	# 78

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

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ALS Vial : 15 Sample Multiplier: 1

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TT-8

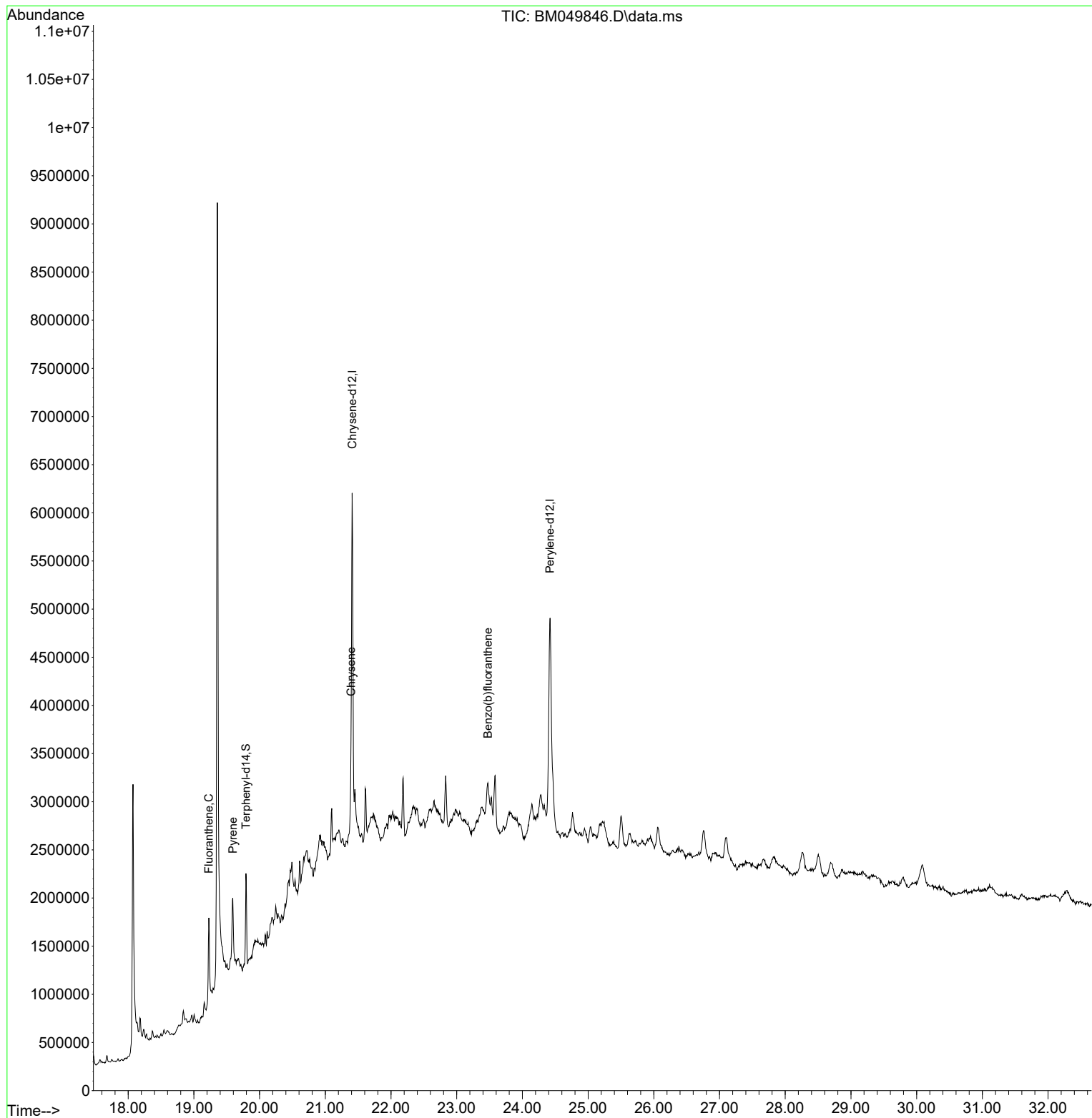
Quant Time: Apr 08 01:00:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

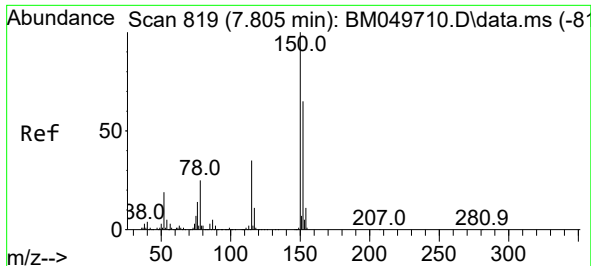


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
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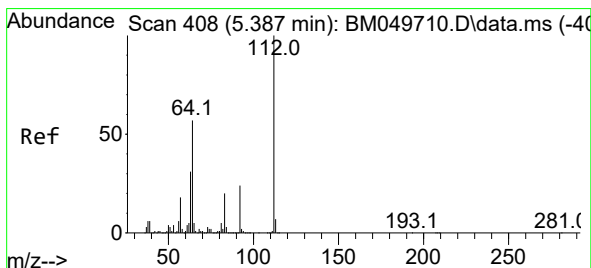
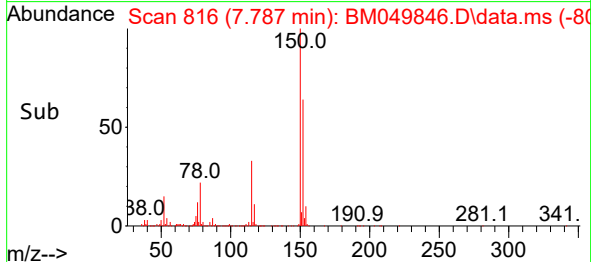
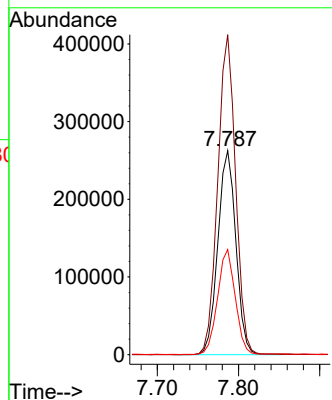
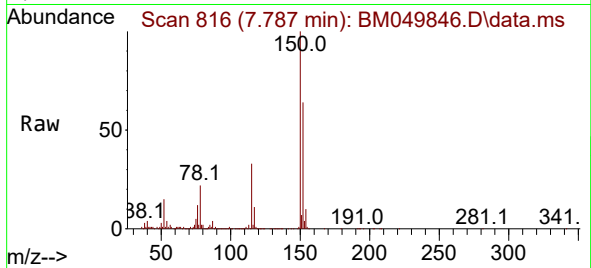




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.787 min Scan# 819
 Delta R.T. -0.018 min
 Lab File: BM049846.D
 Acq: 07 Apr 2025 19:18

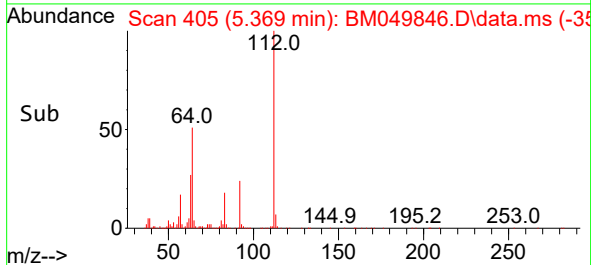
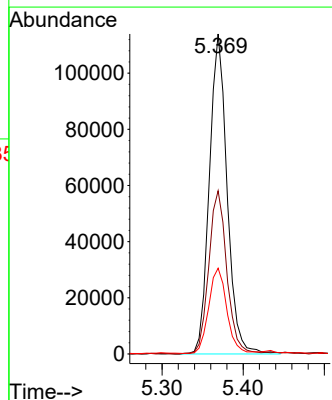
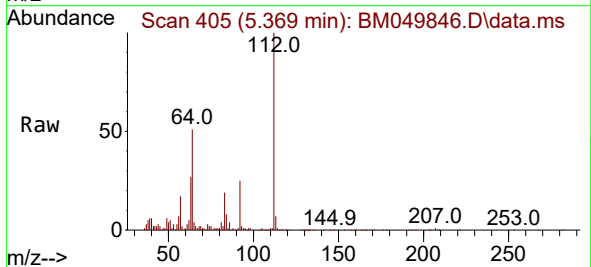
Instrument :
 BNA_M
 ClientSampleId :
 TT-8

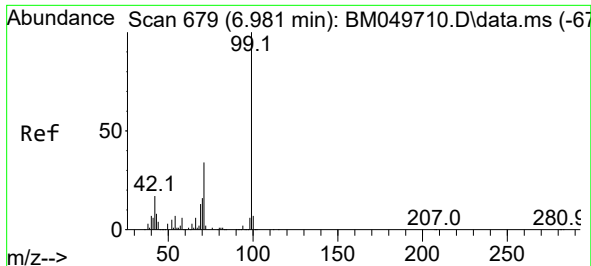
Tgt Ion:152 Resp: 406518
 Ion Ratio Lower Upper
 152 100
 150 156.9 123.8 185.8
 115 51.5 43.0 64.6



#5
 2-Fluorophenol
 Concen: 7.173 ng
 RT: 5.369 min Scan# 405
 Delta R.T. -0.018 min
 Lab File: BM049846.D
 Acq: 07 Apr 2025 19:18

Tgt Ion:112 Resp: 172808
 Ion Ratio Lower Upper
 112 100
 64 51.0 45.3 67.9
 63 26.8 24.4 36.6

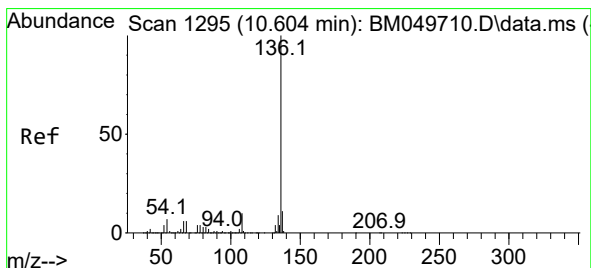
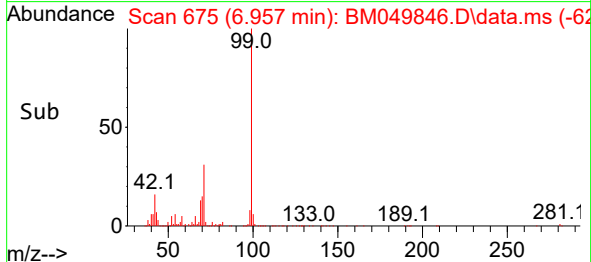
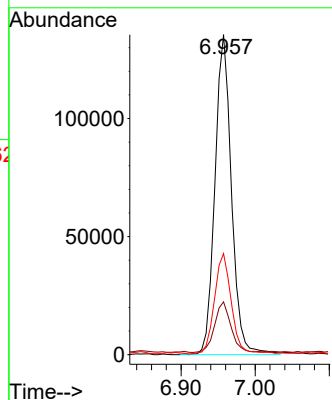
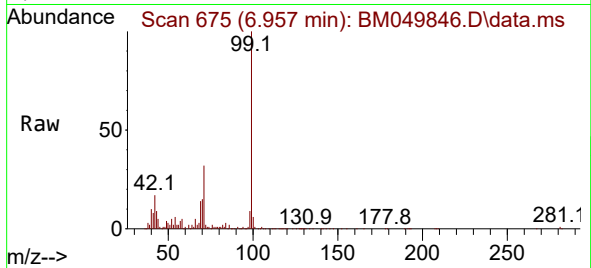




#7
Phenol-d6
Concen: 6.952 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.024 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

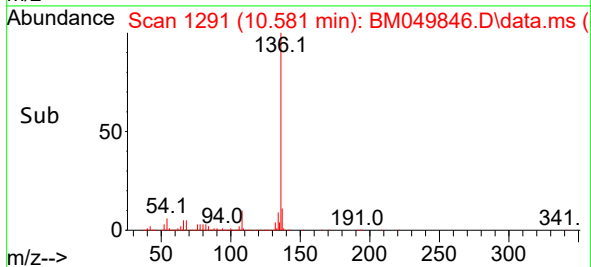
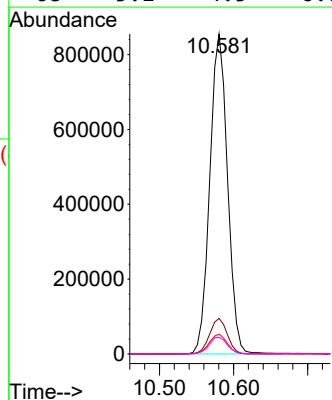
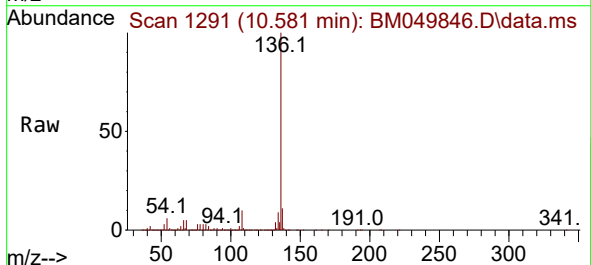
Instrument :
BNA_M
ClientSampleId :
TT-8

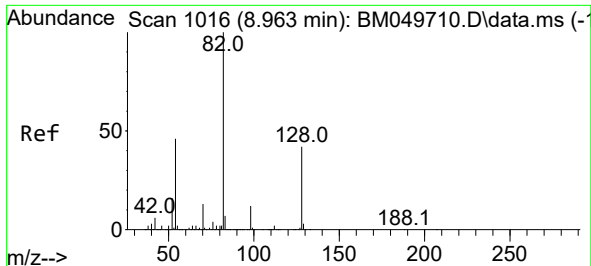
Tgt Ion: 99 Resp: 210178
Ion Ratio Lower Upper
99 100
42 16.5 13.6 20.4
71 31.6 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

Tgt Ion: 136 Resp: 1420039
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 6.2 5.8 8.8
68 5.1 4.5 6.7





#23

Nitrobenzene-d5

Concen: 4.252 ng

RT: 8.939 min Scan# 1016

Delta R.T. -0.024 min

Lab File: BM049846.D

Acq: 07 Apr 2025 19:18

Instrument :

BNA_M

ClientSampleId :

TT-8

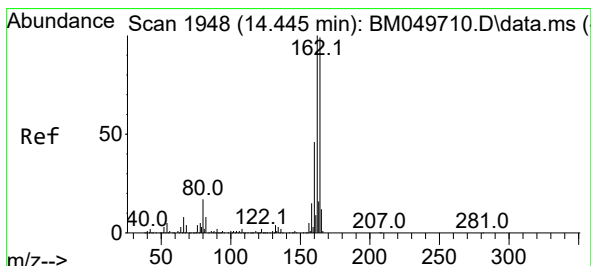
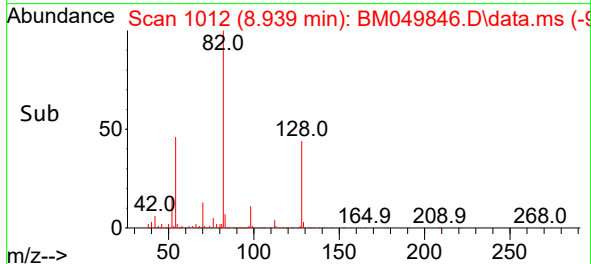
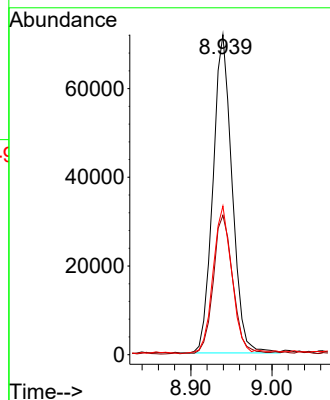
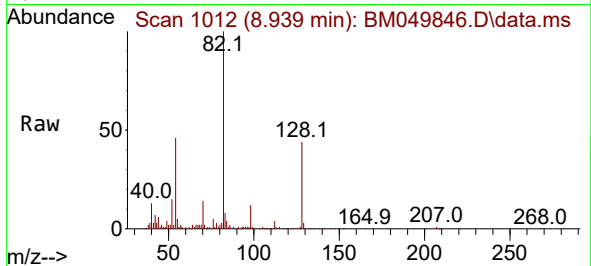
Tgt Ion: 82 Resp: 117604

Ion Ratio Lower Upper

82 100

128 43.6 33.4 50.0

54 46.5 36.4 54.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.427 min Scan# 1945

Delta R.T. -0.018 min

Lab File: BM049846.D

Acq: 07 Apr 2025 19:18

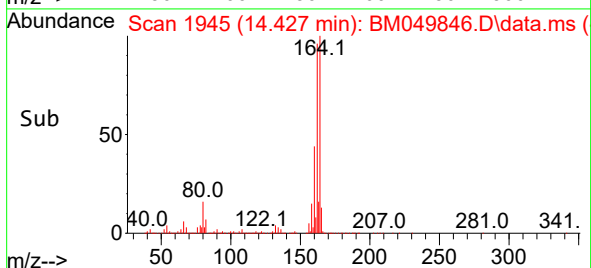
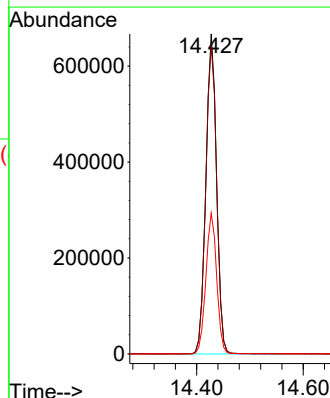
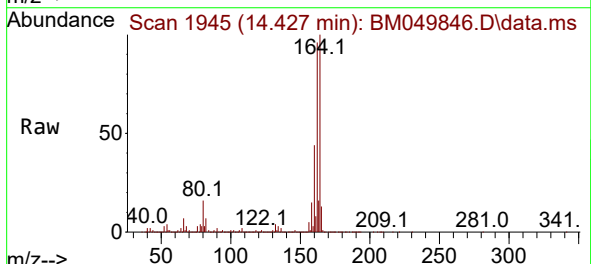
Tgt Ion: 164 Resp: 930453

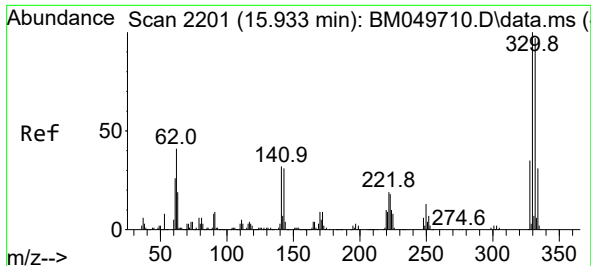
Ion Ratio Lower Upper

164 100

162 96.5 80.5 120.7

160 44.0 36.9 55.3

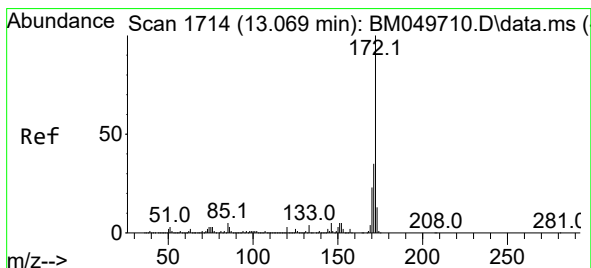
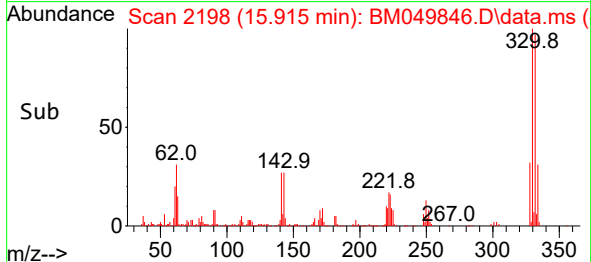
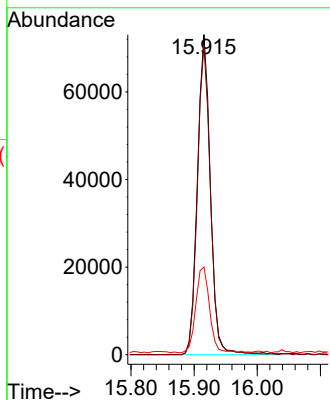
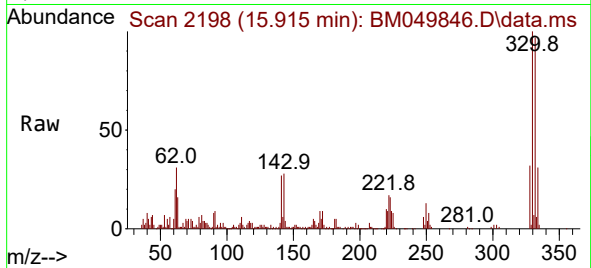




#42
2,4,6-Tribromophenol
Concen: 9.659 ng
RT: 15.915 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

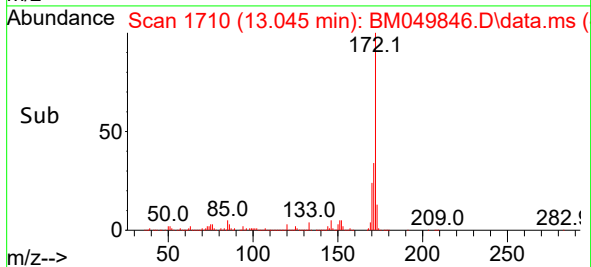
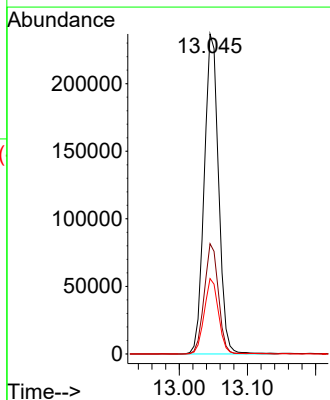
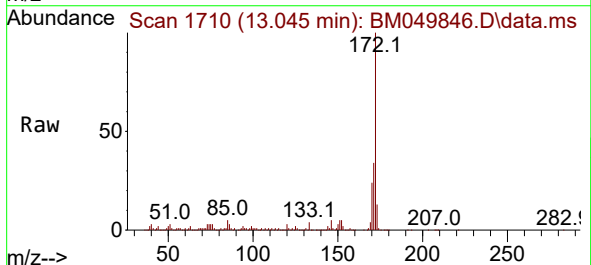
Instrument :
BNA_M
ClientSampleId :
TT-8

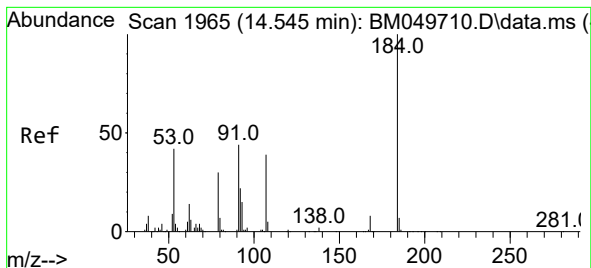
Tgt Ion:330 Resp: 104949
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.4
141 28.2 27.8 41.6



#45
2-Fluorobiphenyl
Concen: 4.672 ng
RT: 13.045 min Scan# 1710
Delta R.T. -0.024 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

Tgt Ion:172 Resp: 347118
Ion Ratio Lower Upper
172 100
171 34.4 27.9 41.9
170 23.5 18.6 28.0

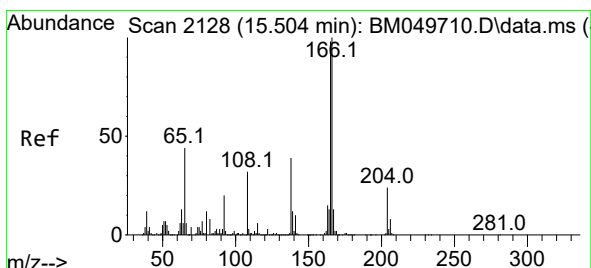
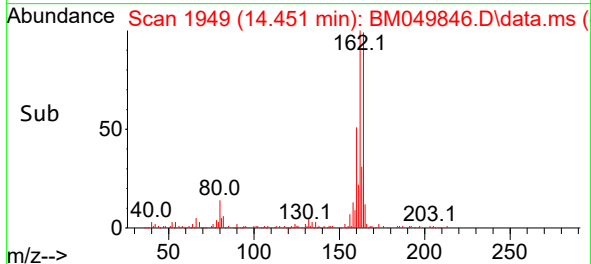
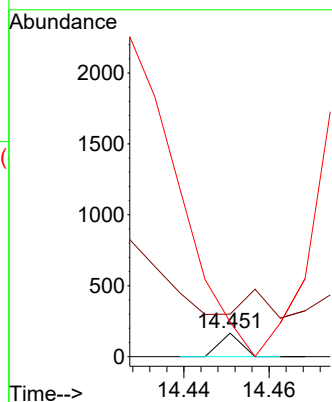
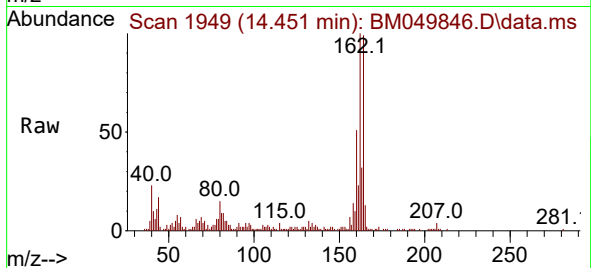




#54
2,4-Dinitrophenol
Concen: 3.197 ng
RT: 14.451 min Scan# 1965
Delta R.T. -0.094 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

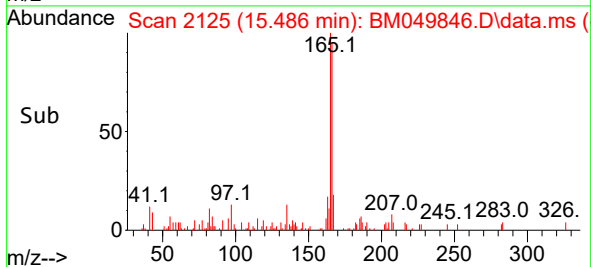
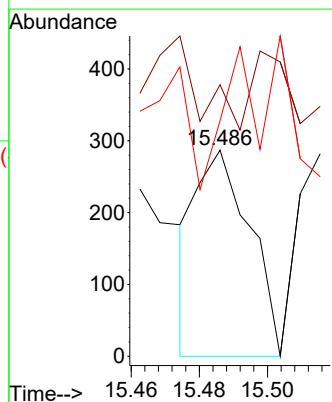
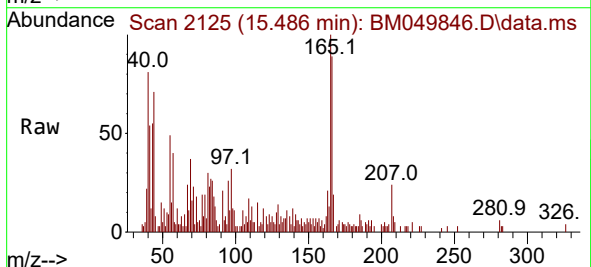
Instrument :
BNA_M
ClientSampleId :
TT-8

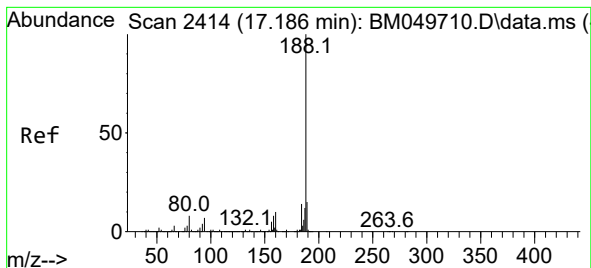
Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 181.8 47.2 70.8#
154 147.9 49.9 74.9#



#62
4-Nitroaniline
Concen: 3.777 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.018 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

Tgt Ion:138 Resp: 314
Ion Ratio Lower Upper
138 100
92 131.7 29.8 69.8#
108 114.3 61.3 101.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.168 min Scan# 2414

Delta R.T. -0.018 min

Lab File: BM049846.D

Acq: 07 Apr 2025 19:18

Instrument :

BNA_M

ClientSampleId :

TT-8

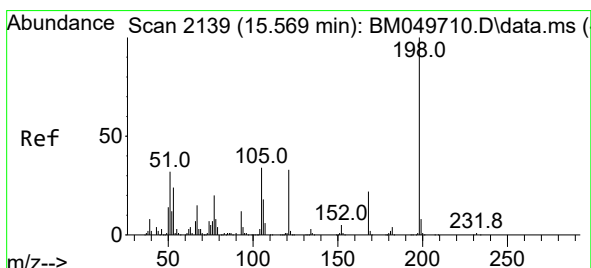
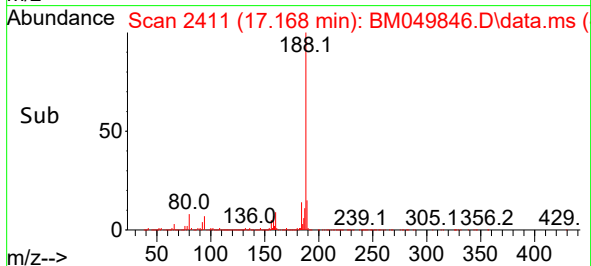
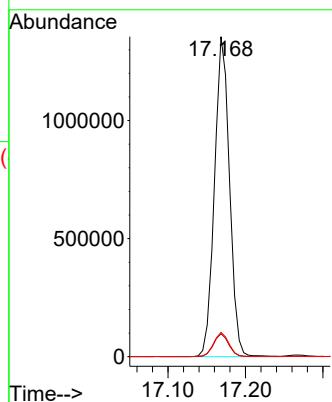
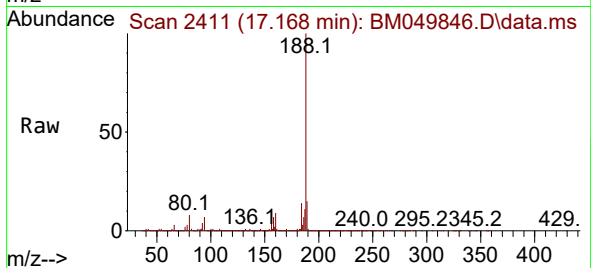
Tgt Ion:188 Resp: 1824939

Ion Ratio Lower Upper

188 100

94 7.2 5.8 8.6

80 7.6 6.3 9.5



#65

4,6-Dinitro-2-methylphenol

Concen: 3.022 ng

RT: 15.574 min Scan# 2140

Delta R.T. 0.005 min

Lab File: BM049846.D

Acq: 07 Apr 2025 19:18

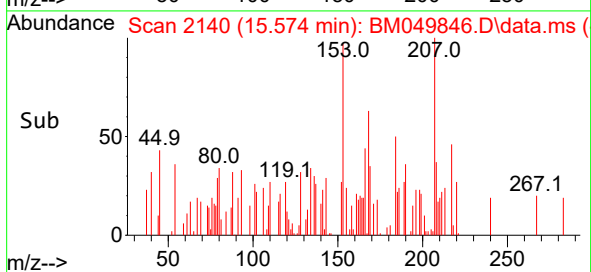
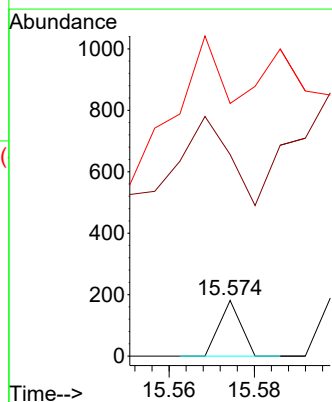
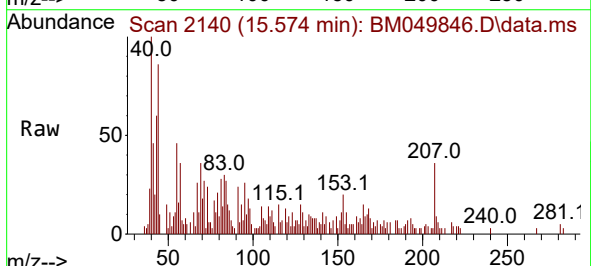
Tgt Ion:198 Resp: 64

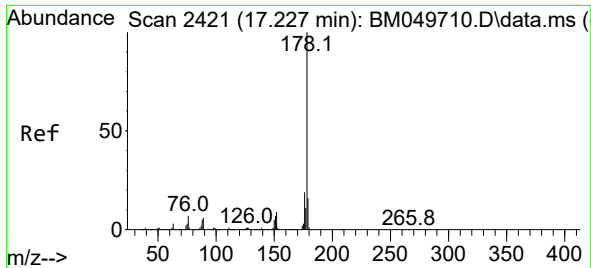
Ion Ratio Lower Upper

198 100

51 362.4 13.8 53.8#

105 454.1 14.0 54.0#

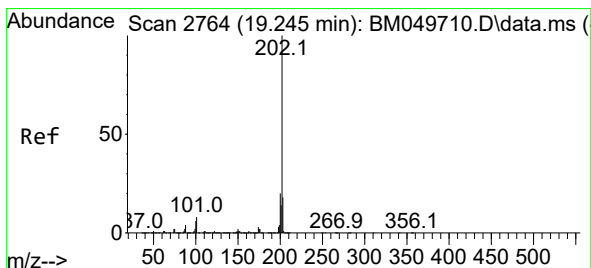
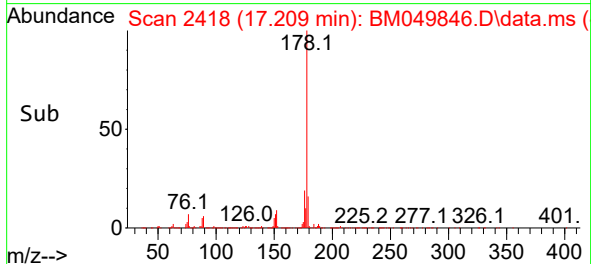
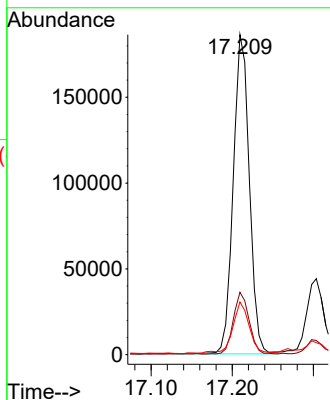
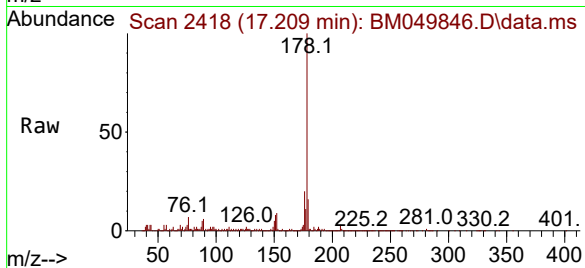




#71
Phenanthrene
Concen: 2.523 ng
RT: 17.209 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

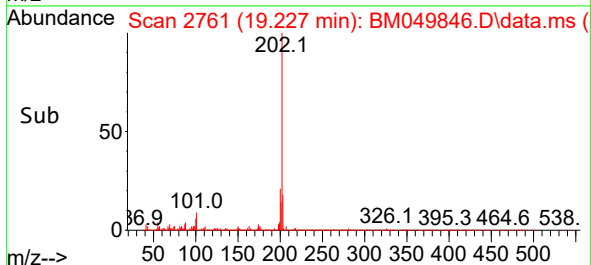
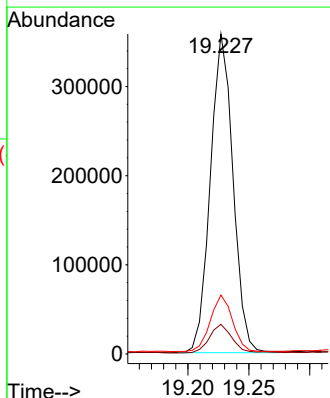
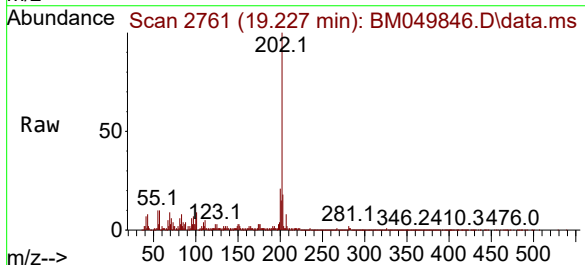
Instrument :
BNA_M
ClientSampleId :
TT-8

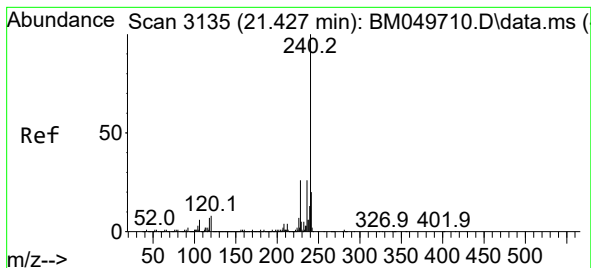
Tgt Ion:178 Resp: 255635
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 16.4 12.5 18.7



#75
Fluoranthene
Concen: 3.968 ng
RT: 19.227 min Scan# 2761
Delta R.T. -0.018 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

Tgt Ion:202 Resp: 462963
Ion Ratio Lower Upper
202 100
101 9.3 0.0 27.8
203 18.4 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.409 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM049846.D

Acq: 07 Apr 2025 19:18

Instrument :

BNA_M

ClientSampleId :

TT-8

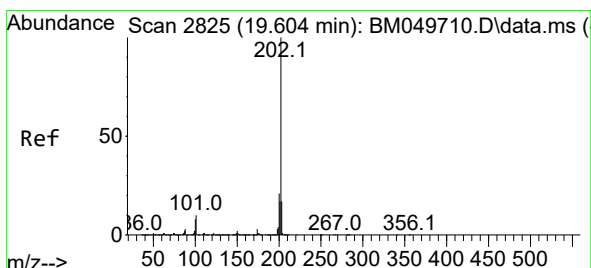
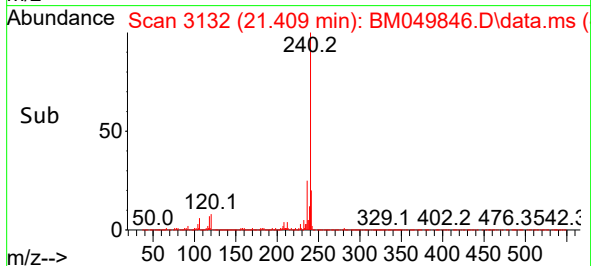
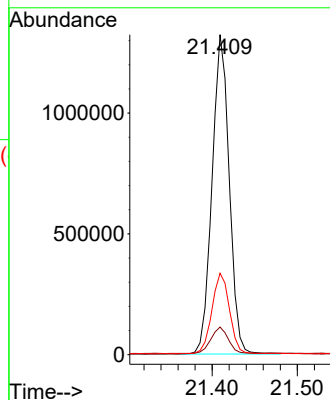
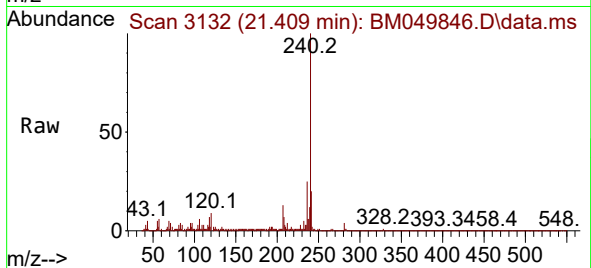
Tgt Ion:240 Resp: 1851379

Ion Ratio Lower Upper

240 100

120 8.7 6.5 9.7

236 25.5 20.7 31.1



#78

Pyrene

Concen: 3.226 ng

RT: 19.592 min Scan# 2823

Delta R.T. -0.012 min

Lab File: BM049846.D

Acq: 07 Apr 2025 19:18

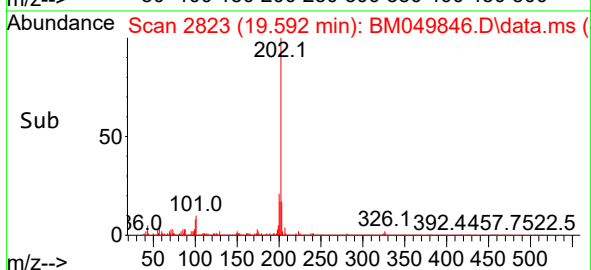
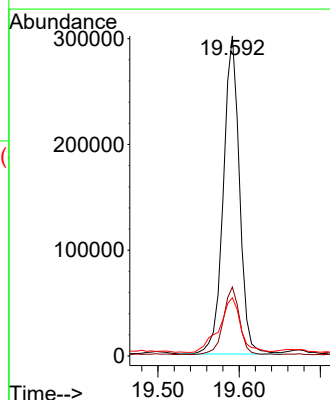
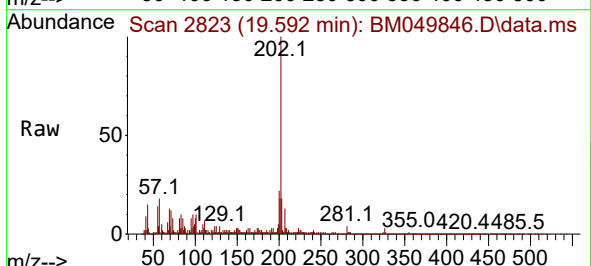
Tgt Ion:202 Resp: 417264

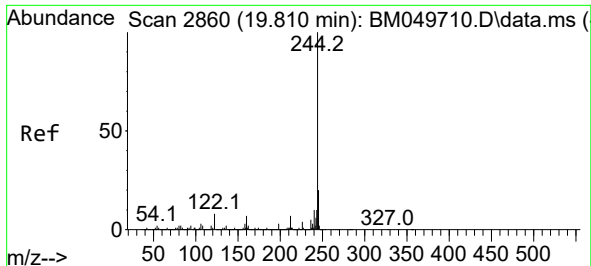
Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.4

203 18.2 14.0 21.0

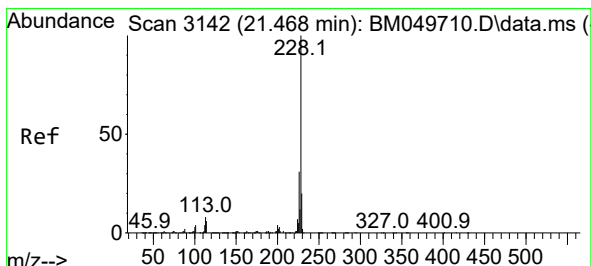
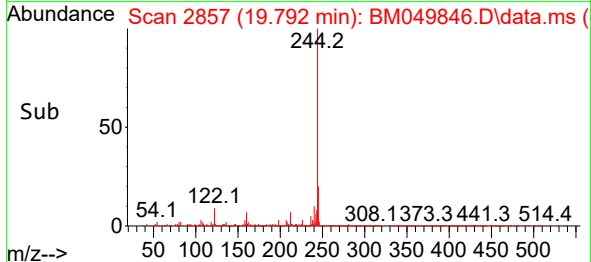
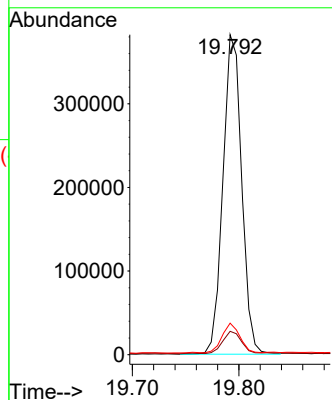
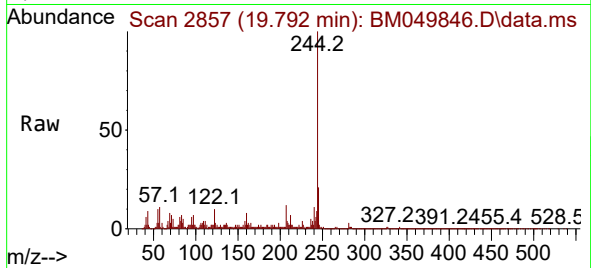




#79
 Terphenyl-d14
 Concen: 4.239 ng
 RT: 19.792 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM049846.D
 Acq: 07 Apr 2025 19:18

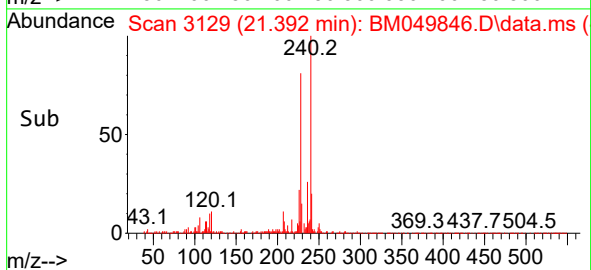
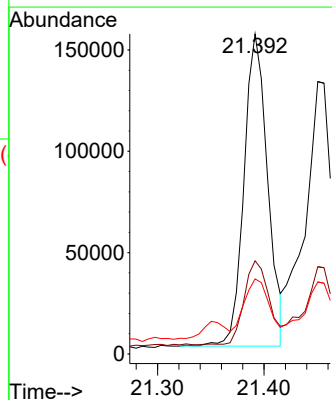
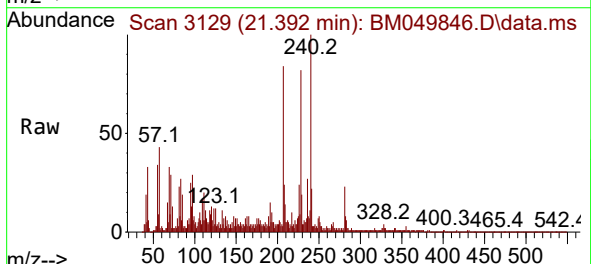
Instrument :
 BNA_M
 ClientSampleId :
 TT-8

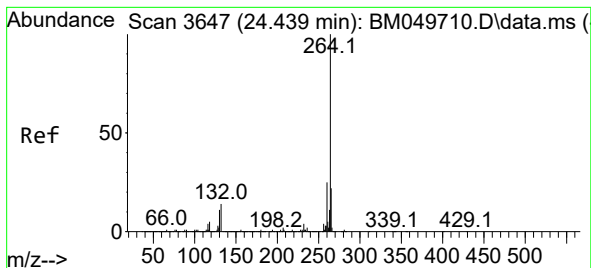
Tgt Ion:244 Resp: 465669
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.6
 122 9.8 6.0 9.0#



#83
 Chrysene
 Concen: 2.025 ng
 RT: 21.392 min Scan# 3129
 Delta R.T. -0.077 min
 Lab File: BM049846.D
 Acq: 07 Apr 2025 19:18

Tgt Ion:228 Resp: 237371
 Ion Ratio Lower Upper
 228 100
 226 29.1 24.5 36.7
 229 23.4 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.421 min Scan# 3

Delta R.T. -0.018 min

Lab File: BM049846.D

Acq: 07 Apr 2025 19:18

Instrument :

BNA_M

ClientSampleId :

TT-8

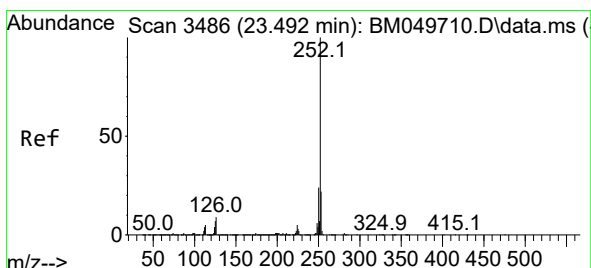
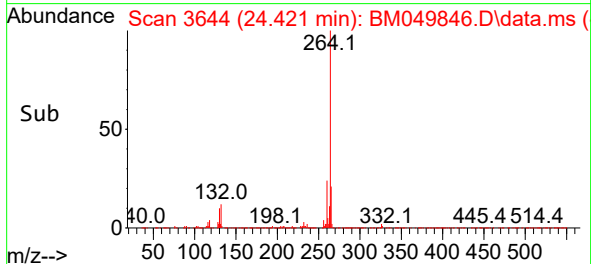
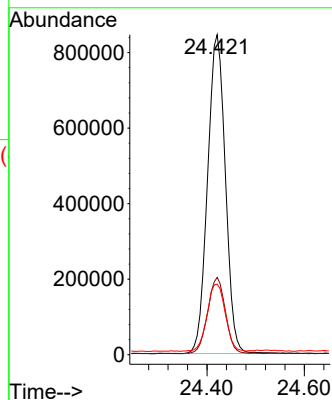
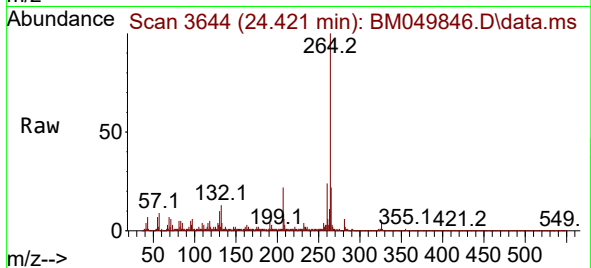
Tgt Ion:264 Resp: 2142266

Ion Ratio Lower Upper

264 100

260 24.2 19.6 29.4

265 22.1 18.2 27.2



#88

Benzo(b)fluoranthene

Concen: 2.171 ng

RT: 23.474 min Scan# 3483

Delta R.T. -0.018 min

Lab File: BM049846.D

Acq: 07 Apr 2025 19:18

Tgt Ion:252 Resp: 313195

Ion Ratio Lower Upper

252 100

253 27.3 17.4 26.0#

125 25.4 5.9 8.9#

