

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
 Data File : BM049842.D
 Acq On : 07 Apr 2025 16:41
 Operator : RC/JU
 Sample : Q1737-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RT3069

Quant Time: Apr 07 18:16:38 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)

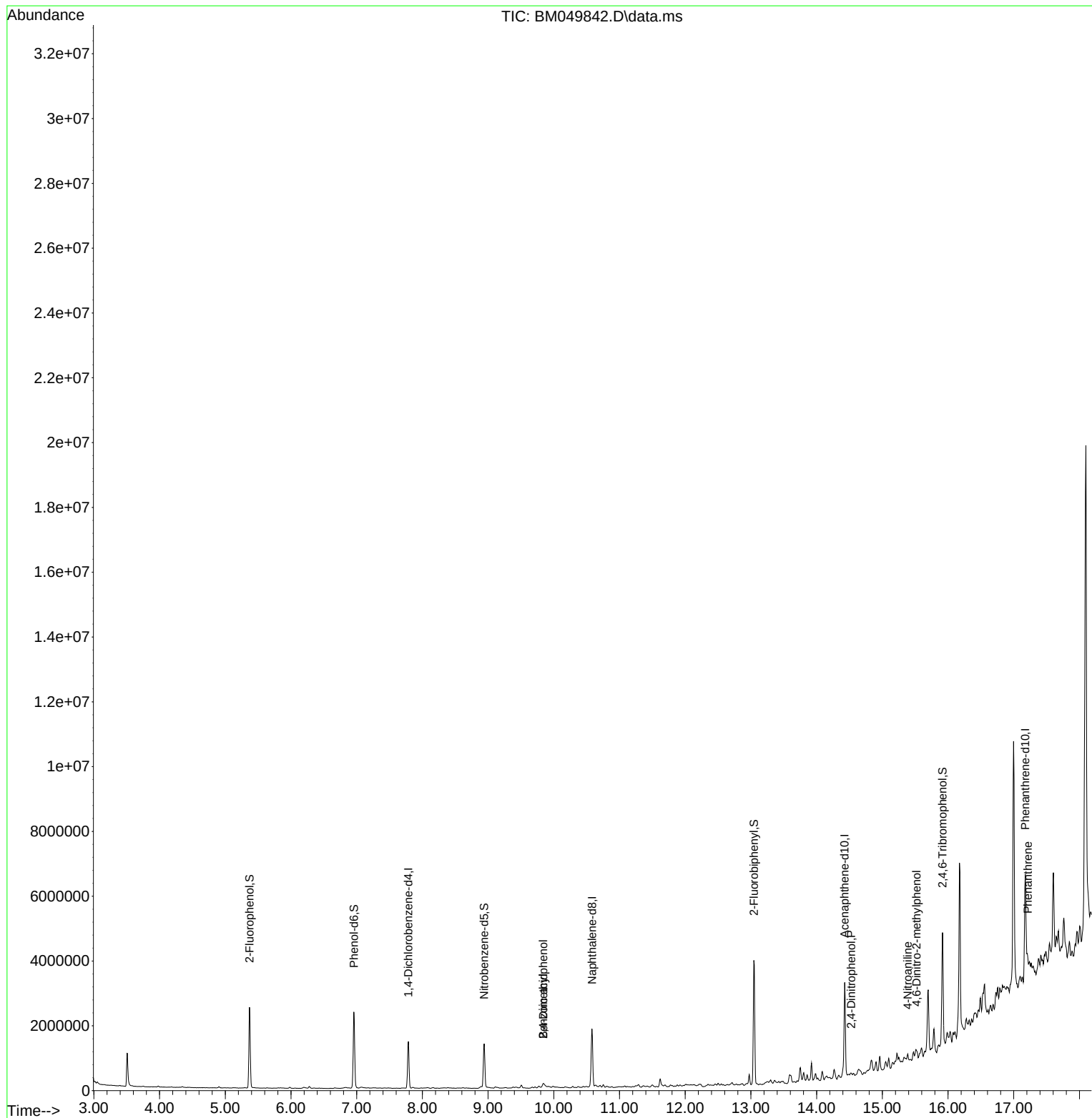
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	427873	20.000	ng	-0.02
21) Naphthalene-d8	10.580	136	1486879	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	970287	20.000	ng	-0.02
64) Phenanthrene-d10	17.174	188	1836464	20.000	ng	-0.01
76) Chrysene-d12	21.409	240	1908906	20.000	ng	-0.02
86) Perylene-d12	24.421	264	2146537	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1120940	44.204	ng	-0.02
7) Phenol-d6	6.957	99	1363221	42.838	ng	-0.02
23) Nitrobenzene-d5	8.939	82	787595	27.196	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	694036	61.256	ng	-0.02
45) 2-Fluorobiphenyl	13.045	172	2107892	27.207	ng	-0.02
79) Terphenyl-d14	19.797	244	3079497	27.185	ng	-0.01
Target Compounds						
						Qvalue
27) 2,4-Dimethylphenol	9.839	122	118993	8.043	ng	# 5
32) Benzoic acid	9.839	122	118993	9.457	ng	90
54) 2,4-Dinitrophenol	14.527	184	88	3.202	ng	# 1
62) 4-Nitroaniline	15.386	138	1643	3.857	ng	94
65) 4,6-Dinitro-2-methylph...	15.521	198	1080	3.143	ng	# 1
71) Phenanthrene	17.215	178	246078	2.413	ng	# 88
75) Fluoranthene	19.233	202	434655	3.702	ng	92
78) Pyrene	19.592	202	616815	4.625	ng	96
81) Benzo(a)anthracene	21.392	228	274837	2.156	ng	# 92
83) Chrysene	21.450	228	322810	2.671	ng	# 93
84) Bis(2-ethylhexyl)phtha...	21.315	149	344225	5.337	ng	# 94
88) Benzo(b)fluoranthene	23.474	252	340221	2.353	ng	# 81

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

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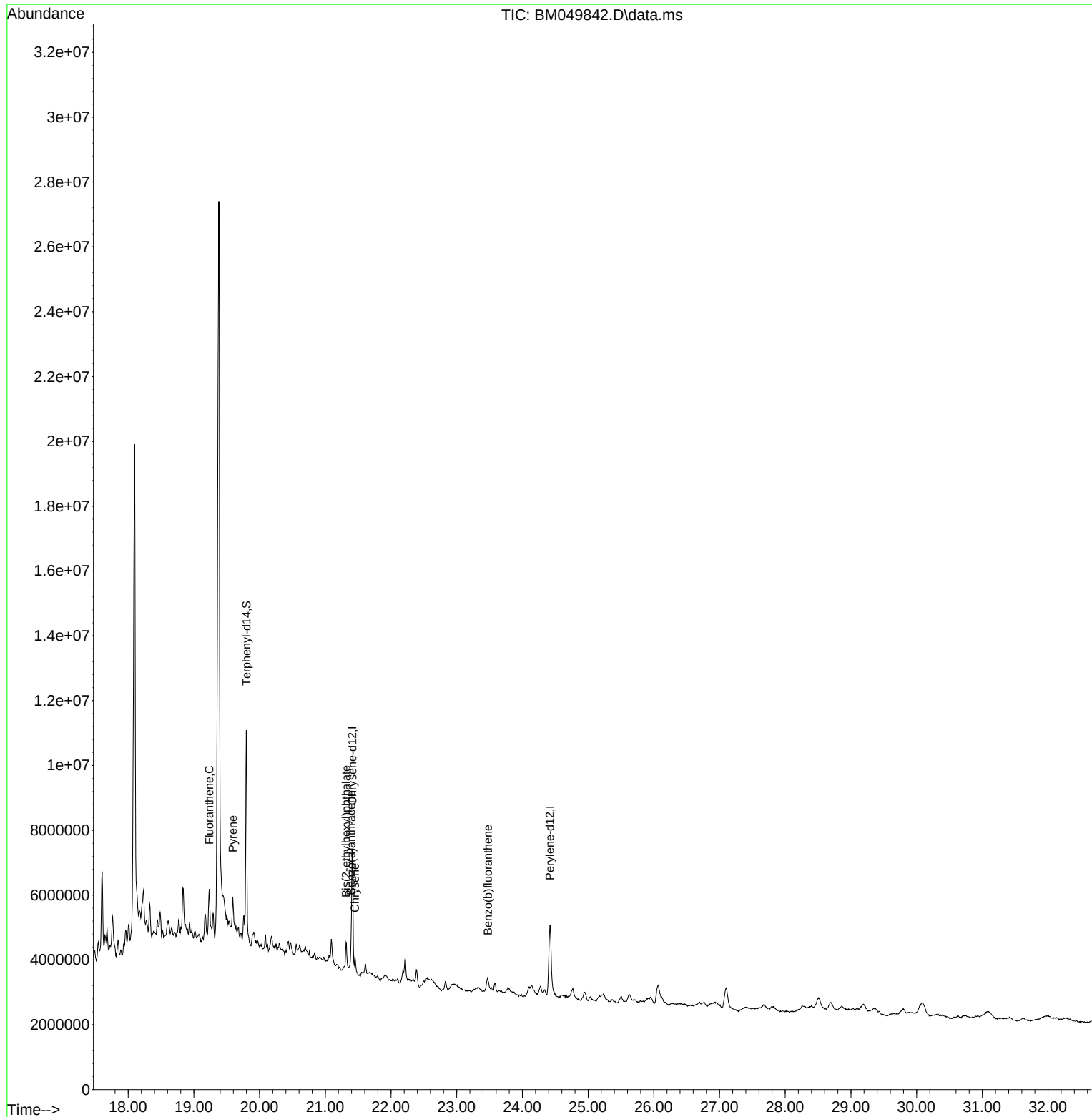
Quant Time: Apr 07 18:16:38 2025
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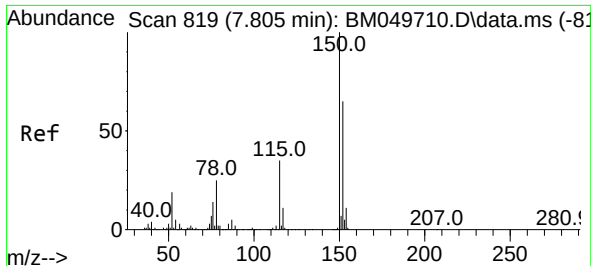


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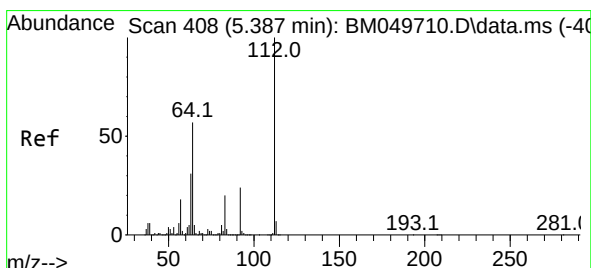
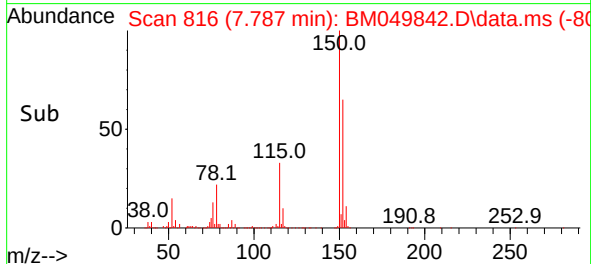
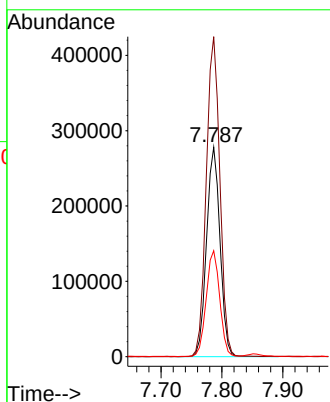
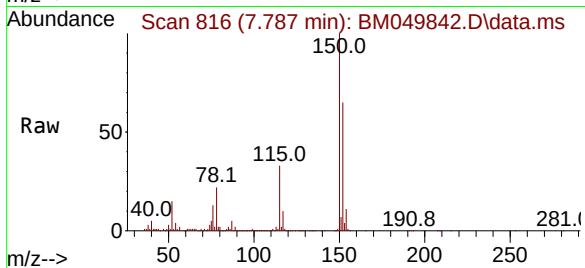




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.787 min Scan# 819
 Delta R.T. -0.018 min
 Lab File: BM049842.D
 Acq: 07 Apr 2025 16:41

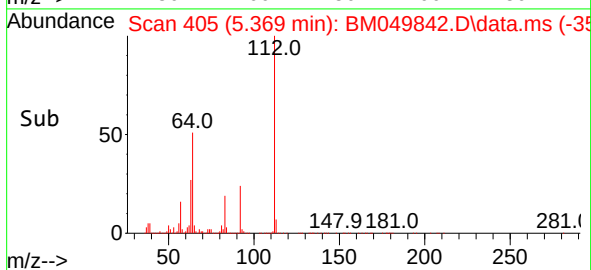
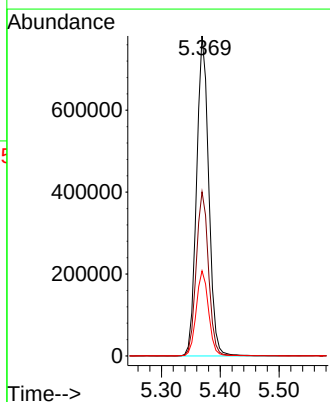
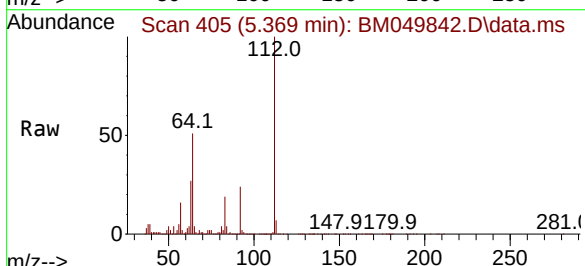
Instrument :
 BNA_M
 ClientSampleId :
 RT3069

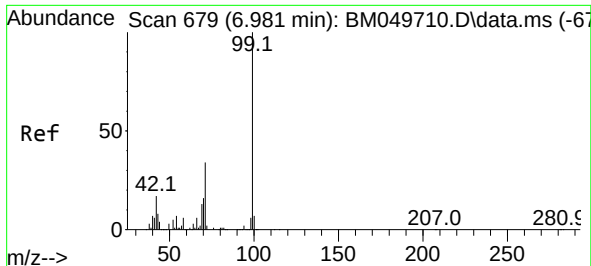
Tgt Ion:152 Resp: 427873
 Ion Ratio Lower Upper
 152 100
 150 152.8 123.8 185.8
 115 50.6 43.0 64.6



#5
 2-Fluorophenol
 Concen: 44.204 ng
 RT: 5.369 min Scan# 405
 Delta R.T. -0.018 min
 Lab File: BM049842.D
 Acq: 07 Apr 2025 16:41

Tgt Ion:112 Resp: 1120940
 Ion Ratio Lower Upper
 112 100
 64 51.3 45.3 67.9
 63 26.6 24.4 36.6

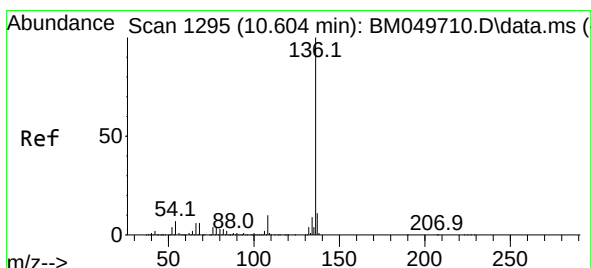
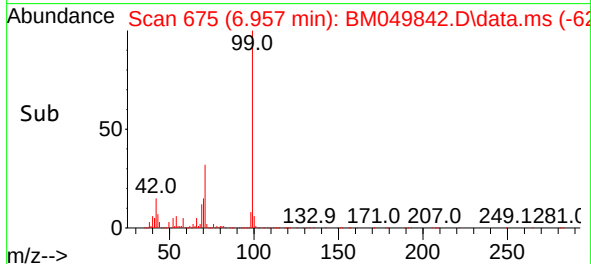
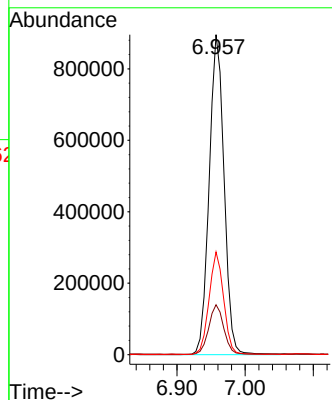
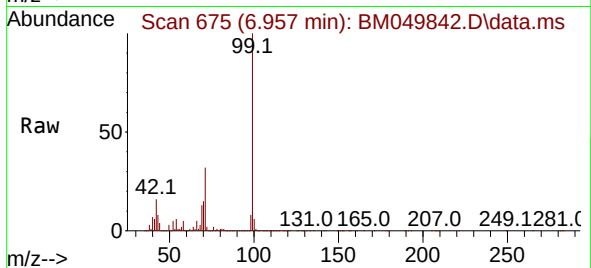




#7
Phenol-d6
Concen: 42.838 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.024 min
Lab File: BM049842.D
Acq: 07 Apr 2025 16:41

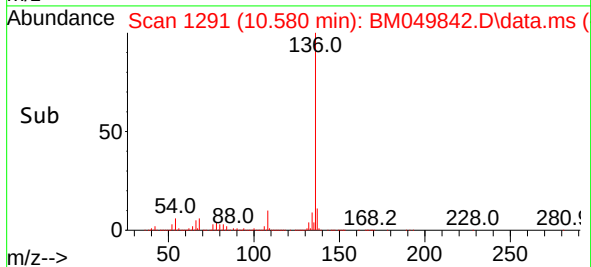
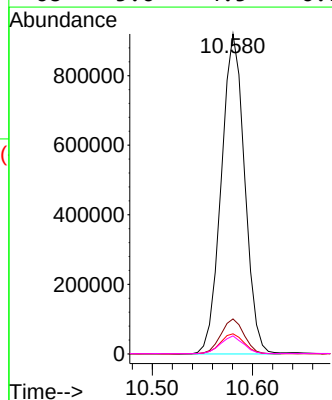
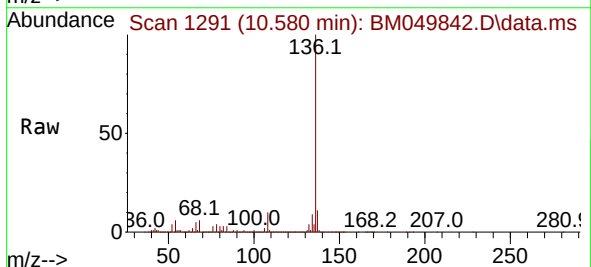
Instrument :
BNA_M
ClientSampleId :
RT3069

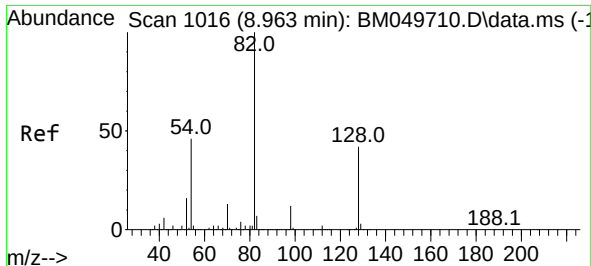
Tgt Ion: 99 Resp: 1363221
Ion Ratio Lower Upper
99 100
42 15.6 13.6 20.4
71 32.1 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049842.D
Acq: 07 Apr 2025 16:41

Tgt Ion: 136 Resp: 1486879
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 6.3 5.8 8.8
68 5.6 4.5 6.7





#23

Nitrobenzene-d5

Concen: 27.196 ng

RT: 8.939 min Scan# 1105

Delta R.T. -0.024 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

Instrument :

BNA_M

ClientSampleId :

RT3069

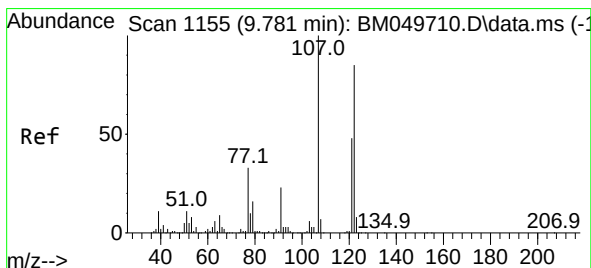
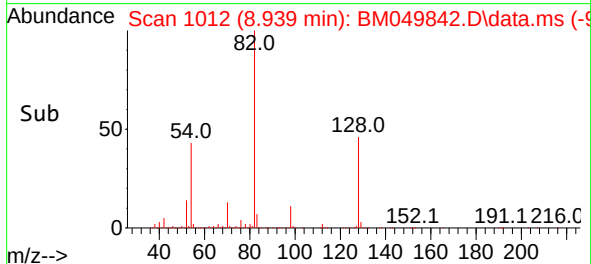
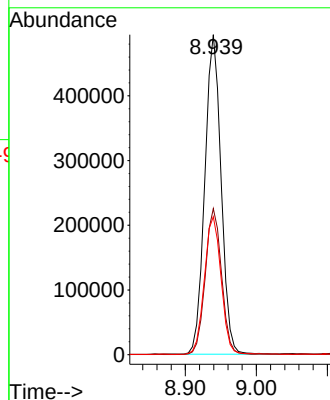
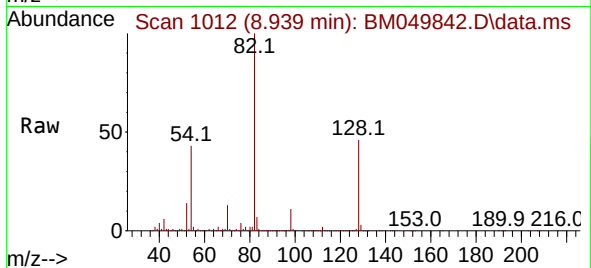
Tgt Ion: 82 Resp: 787595

Ion Ratio Lower Upper

82 100

128 45.7 33.4 50.0

54 43.1 36.4 54.6



#27

2,4-Dimethylphenol

Concen: 8.043 ng

RT: 9.839 min Scan# 1165

Delta R.T. 0.058 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

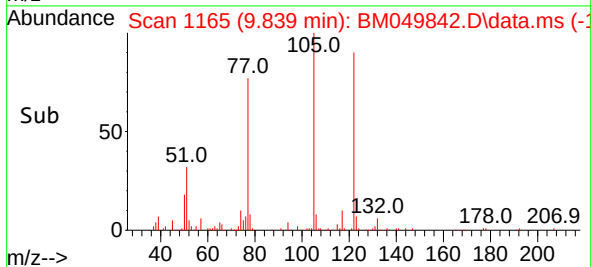
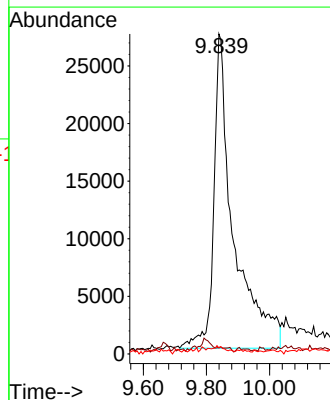
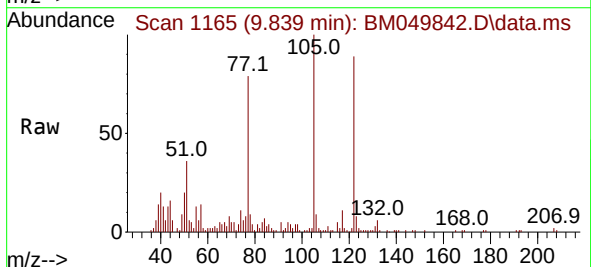
Tgt Ion:122 Resp: 118993

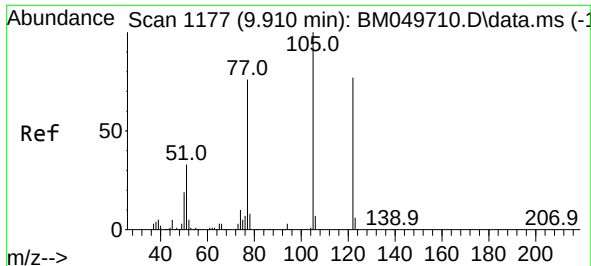
Ion Ratio Lower Upper

122 100

107 2.1 94.3 141.5#

121 1.8 45.4 68.2#

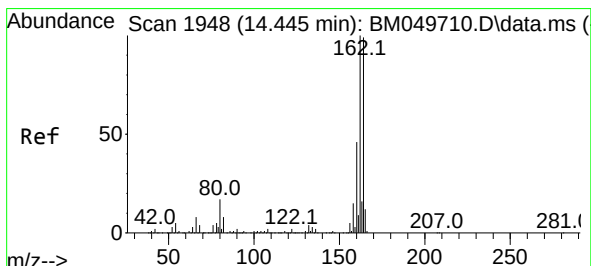
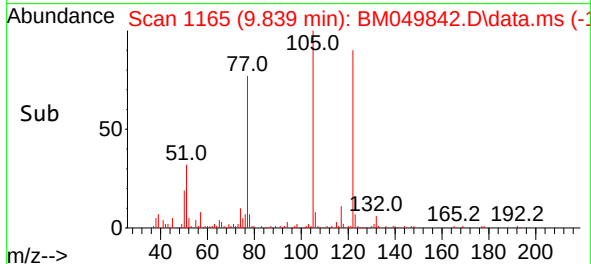
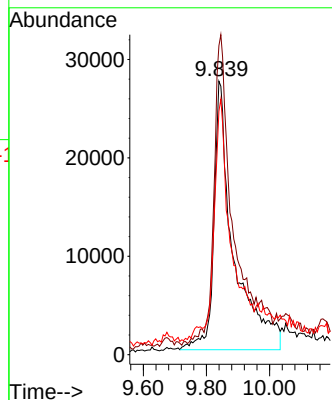
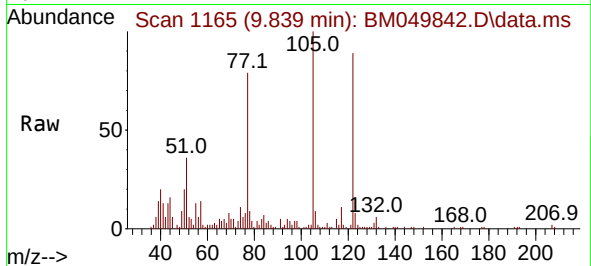




#32
Benzoic acid
Concen: 9.457 ng
RT: 9.839 min Scan# 1177
Delta R.T. -0.071 min
Lab File: BM049842.D
Acq: 07 Apr 2025 16:41

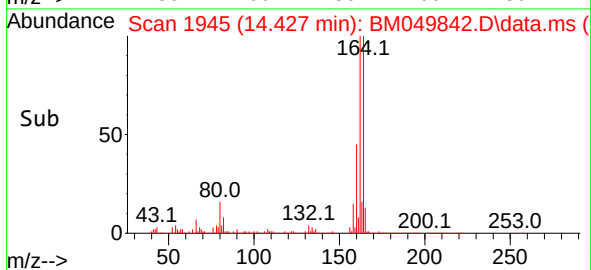
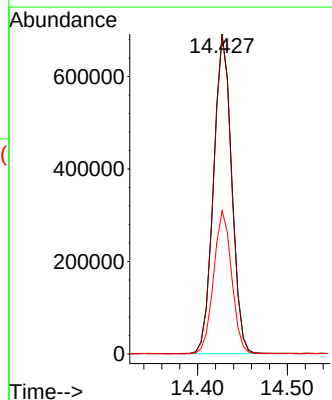
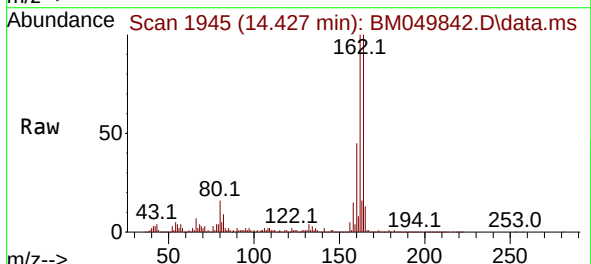
Instrument :
BNA_M
ClientSampleId :
RT3069

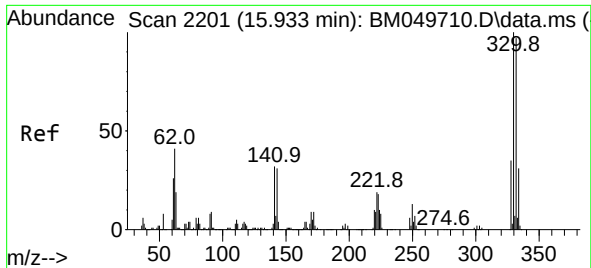
Tgt Ion:122 Resp: 118993
Ion Ratio Lower Upper
122 100
105 113.0 105.6 145.6
77 89.0 76.9 116.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049842.D
Acq: 07 Apr 2025 16:41

Tgt Ion:164 Resp: 970287
Ion Ratio Lower Upper
164 100
162 99.5 80.5 120.7
160 44.8 36.9 55.3

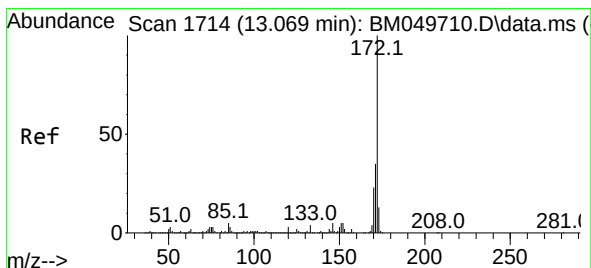
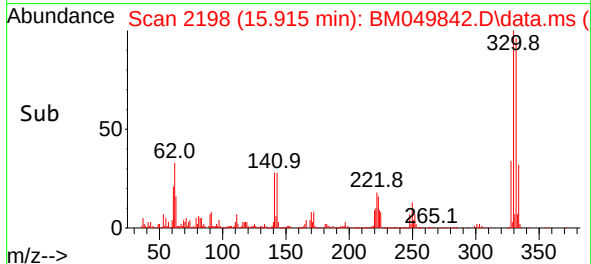
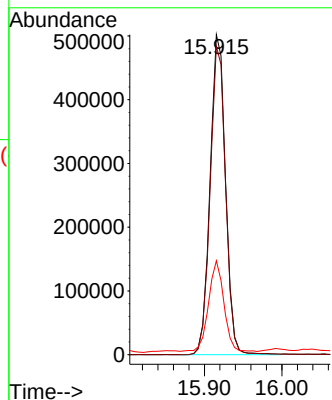
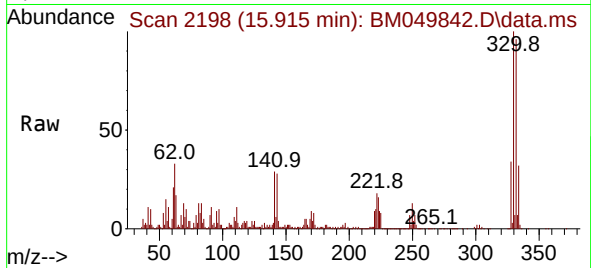




#42
2,4,6-Tribromophenol
Concen: 61.256 ng
RT: 15.915 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049842.D
Acq: 07 Apr 2025 16:41

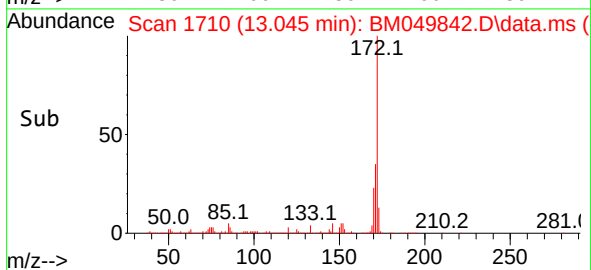
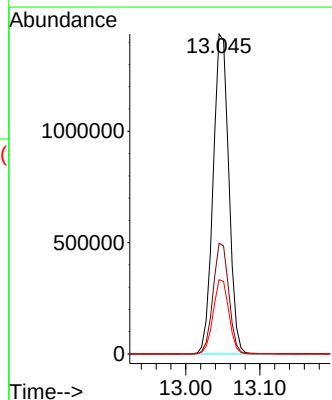
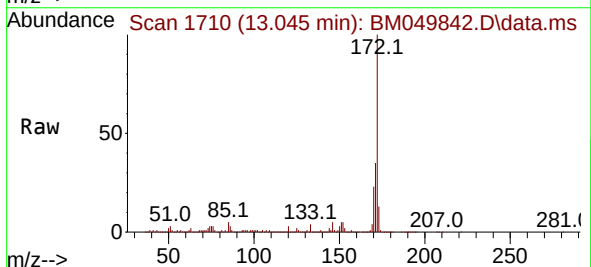
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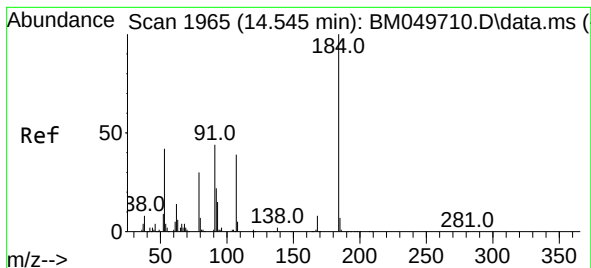
Tgt Ion:330 Resp: 694036
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.4
141 28.3 27.8 41.6



#45
2-Fluorobiphenyl
Concen: 27.207 ng
RT: 13.045 min Scan# 1710
Delta R.T. -0.024 min
Lab File: BM049842.D
Acq: 07 Apr 2025 16:41

Tgt Ion:172 Resp: 2107892
Ion Ratio Lower Upper
172 100
171 34.6 27.9 41.9
170 23.2 18.6 28.0

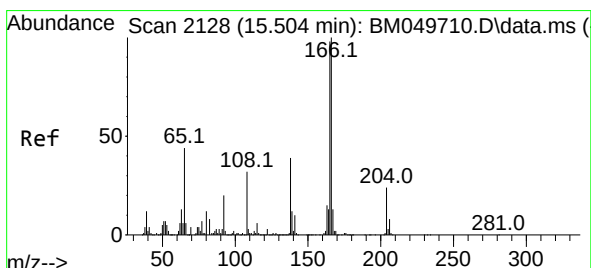
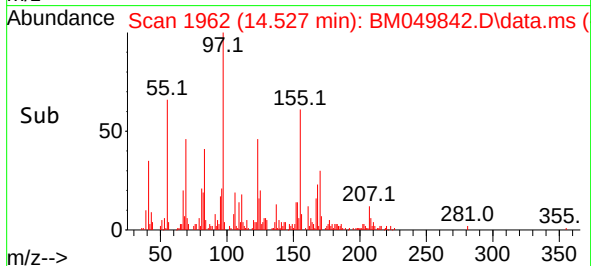
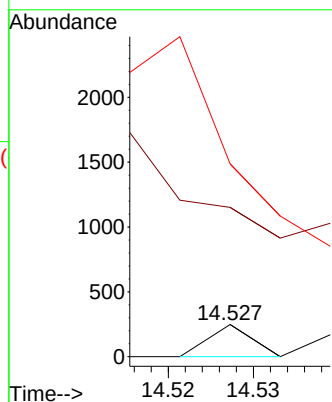
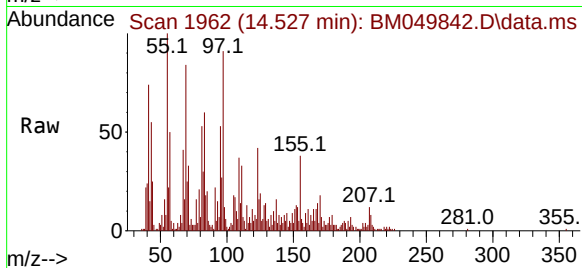




#54
2,4-Dinitrophenol
Concen: 3.202 ng
RT: 14.527 min Scan# 1965
Delta R.T. -0.018 min
Lab File: BM049842.D
Acq: 07 Apr 2025 16:41

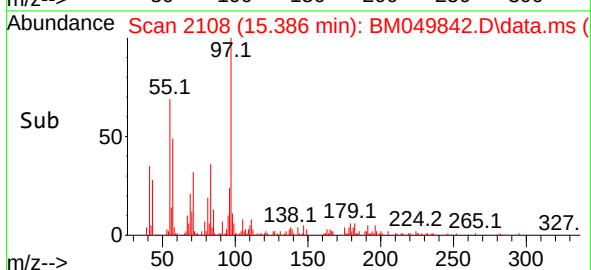
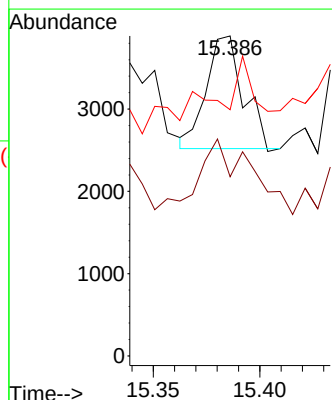
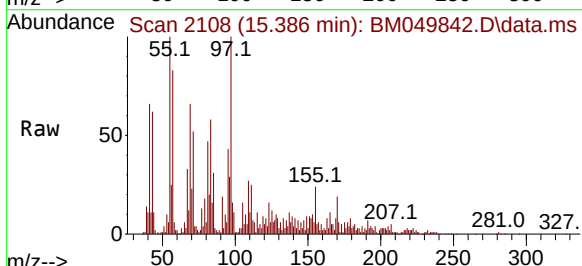
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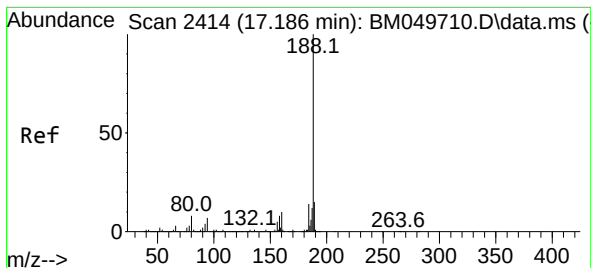
Tgt Ion:184 Resp: 88
Ion Ratio Lower Upper
184 100
63 464.1 47.2 70.8#
154 599.6 49.9 74.9#



#62
4-Nitroaniline
Concen: 3.857 ng
RT: 15.386 min Scan# 2108
Delta R.T. -0.118 min
Lab File: BM049842.D
Acq: 07 Apr 2025 16:41

Tgt Ion:138 Resp: 1643
Ion Ratio Lower Upper
138 100
92 56.0 29.8 69.8
108 76.9 61.3 101.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.174 min Scan# 2414

Delta R.T. -0.012 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

Instrument :

BNA_M

ClientSampleId :

RT3069

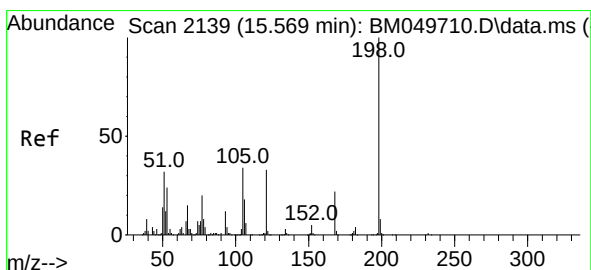
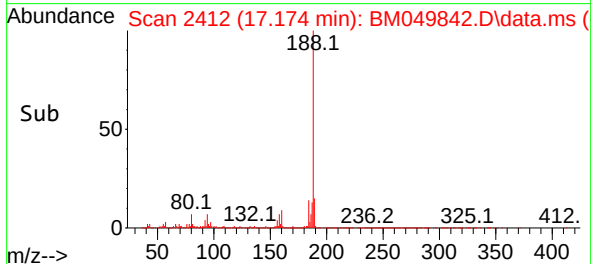
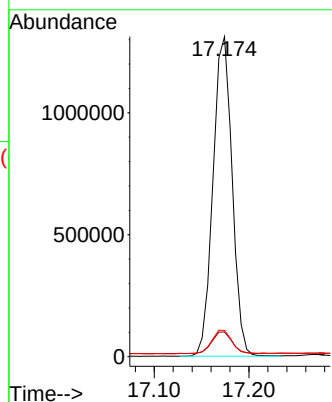
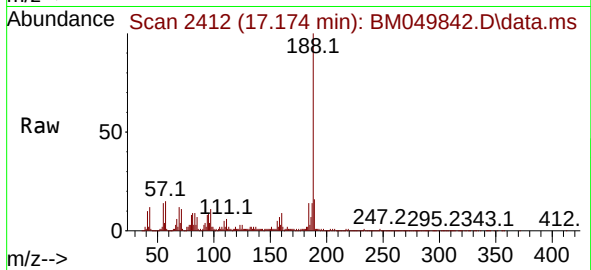
Tgt Ion:188 Resp: 1836464

Ion Ratio Lower Upper

188 100

94 7.7 5.8 8.6

80 8.2 6.3 9.5



#65

4,6-Dinitro-2-methylphenol

Concen: 3.143 ng

RT: 15.521 min Scan# 2131

Delta R.T. -0.048 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

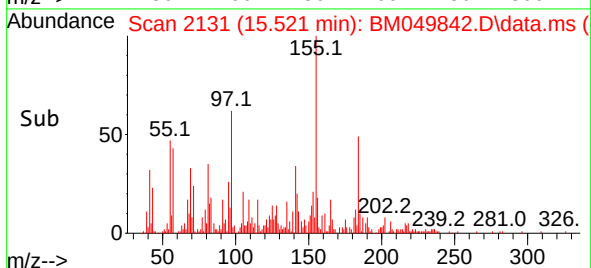
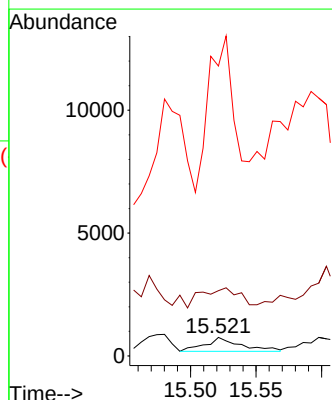
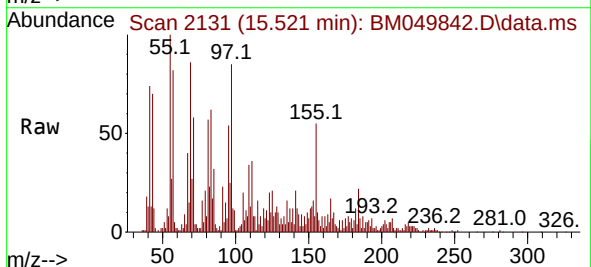
Tgt Ion:198 Resp: 1080

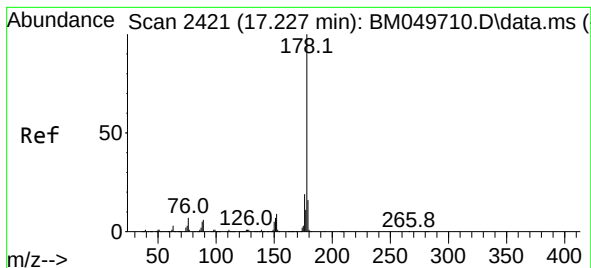
Ion Ratio Lower Upper

198 100

51 351.7 13.8 53.8#

105 1562.5 14.0 54.0#





#71

Phenanthrene

Concen: 2.413 ng

RT: 17.215 min Scan# 24

Delta R.T. -0.012 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

Instrument :

BNA_M

ClientSampleId :

RT3069

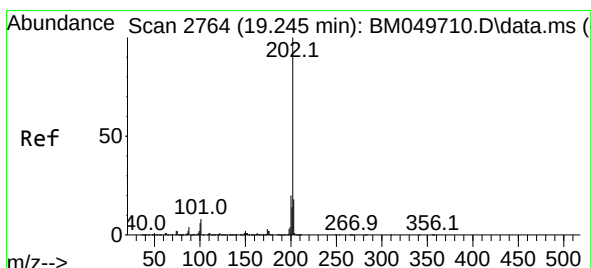
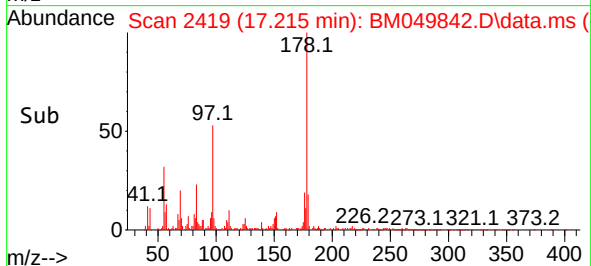
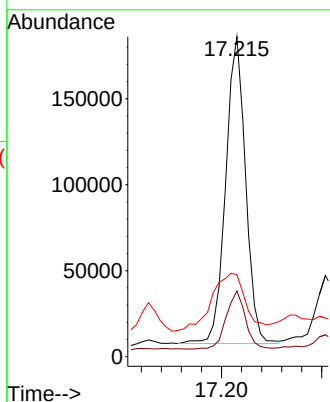
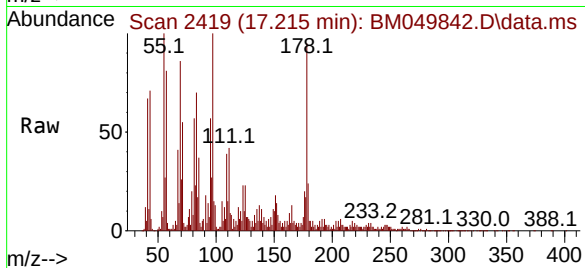
Tgt Ion:178 Resp: 246078

Ion Ratio Lower Upper

178 100

176 20.6 15.5 23.3

179 25.6 12.5 18.7#



#75

Fluoranthene

Concen: 3.702 ng

RT: 19.233 min Scan# 2762

Delta R.T. -0.012 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

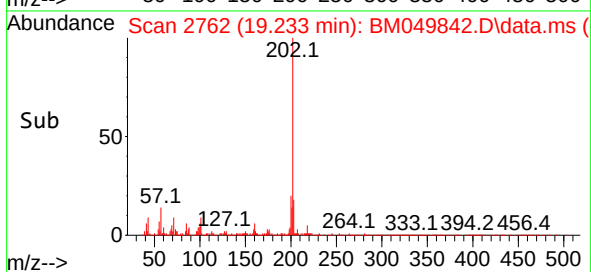
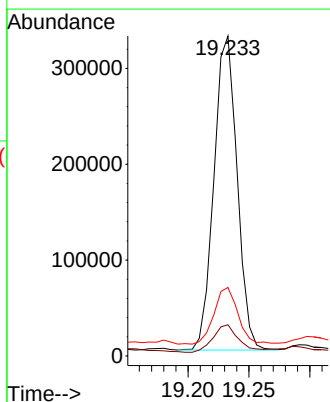
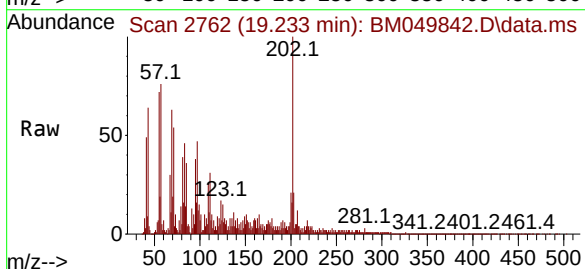
Tgt Ion:202 Resp: 434655

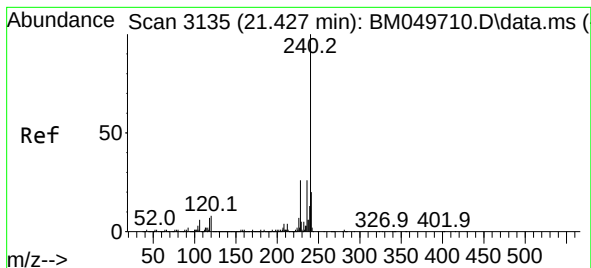
Ion Ratio Lower Upper

202 100

101 9.8 0.0 27.8

203 21.4 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: BM049842.D

Acq: 07 Apr 2025 16:41

Instrument :

BNA_M

ClientSampleId :

RT3069

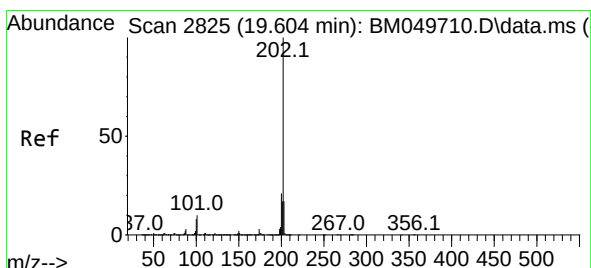
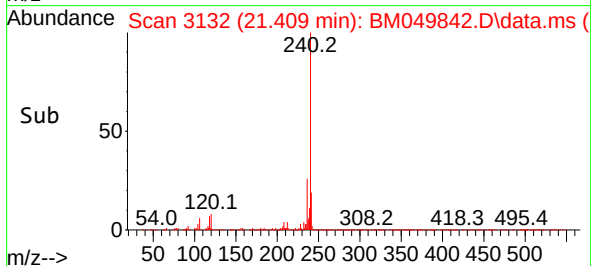
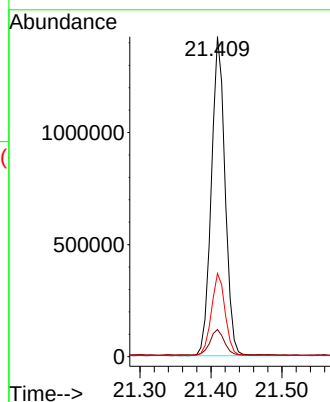
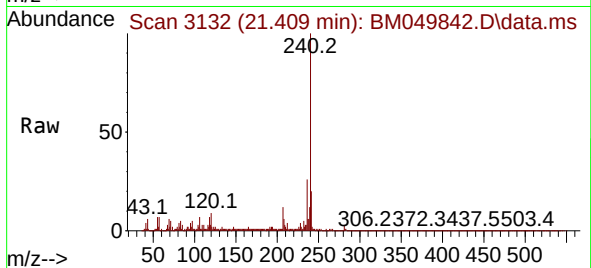
Tgt Ion:240 Resp: 1908906

Ion Ratio Lower Upper

240 100

120 8.5 6.5 9.7

236 26.0 20.7 31.1



#78

Pyrene

Concen: 4.625 ng

RT: 19.592 min Scan# 2823

Delta R.T. -0.012 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

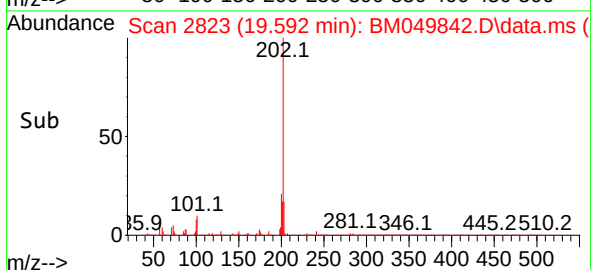
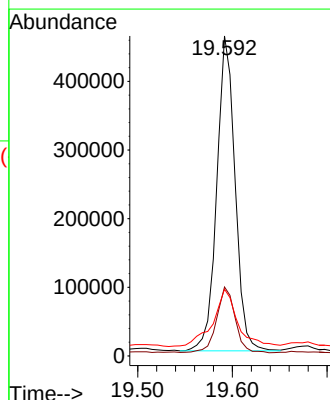
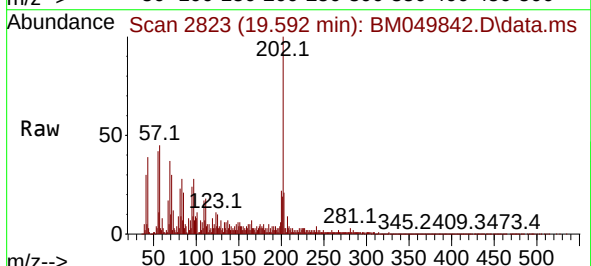
Tgt Ion:202 Resp: 616815

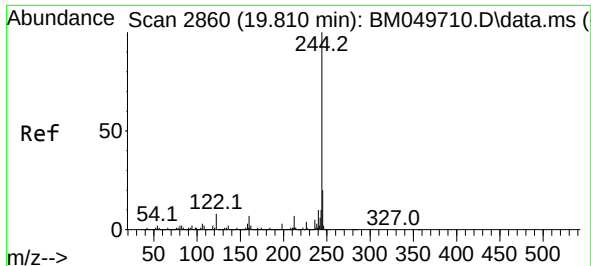
Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.4

203 20.9 14.0 21.0

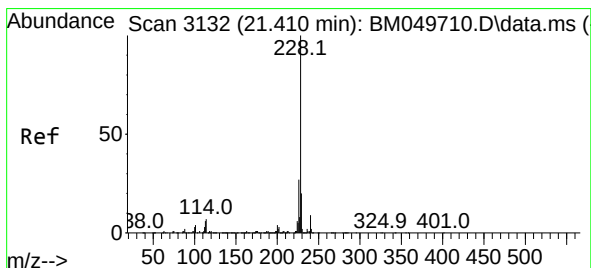
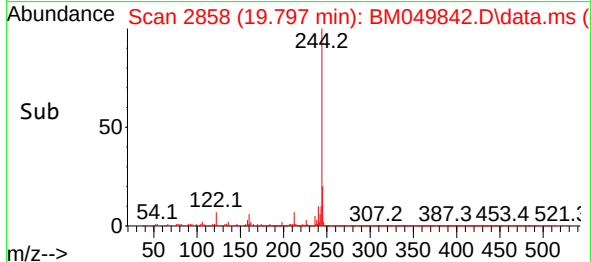
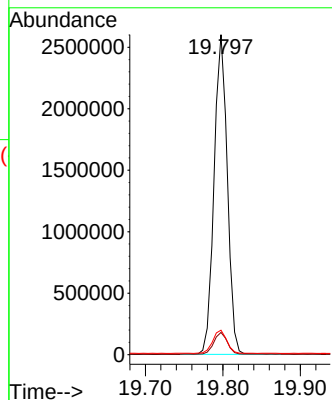
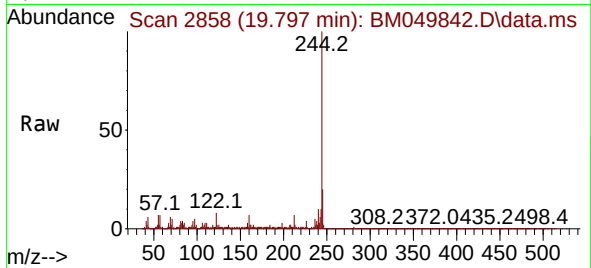




#79
Terphenyl-d14
Concen: 27.185 ng
RT: 19.797 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM049842.D
Acq: 07 Apr 2025 16:41

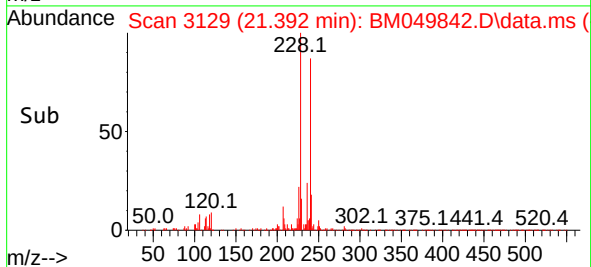
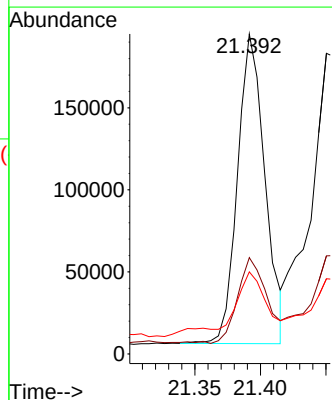
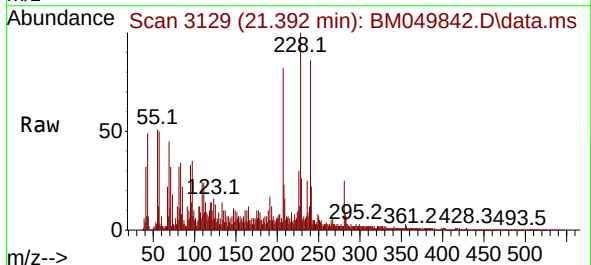
Instrument :
BNA_M
ClientSampleId :
RT3069

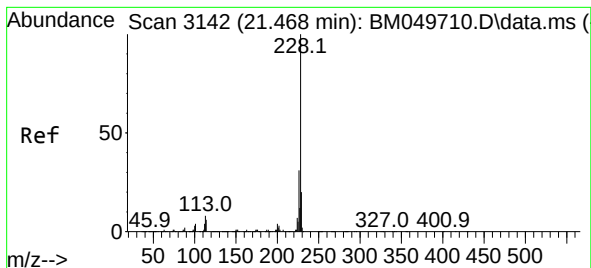
Tgt Ion:244 Resp: 3079497
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 7.6 6.0 9.0



#81
Benzo(a)anthracene
Concen: 2.156 ng
RT: 21.392 min Scan# 3129
Delta R.T. -0.018 min
Lab File: BM049842.D
Acq: 07 Apr 2025 16:41

Tgt Ion:228 Resp: 274837
Ion Ratio Lower Upper
228 100
226 30.1 22.0 33.0
229 25.6 15.8 23.8#





#83

Chrysene

Concen: 2.671 ng

RT: 21.450 min Scan# 3116

Delta R.T. -0.018 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

Instrument :

BNA_M

ClientSampleId :

RT3069

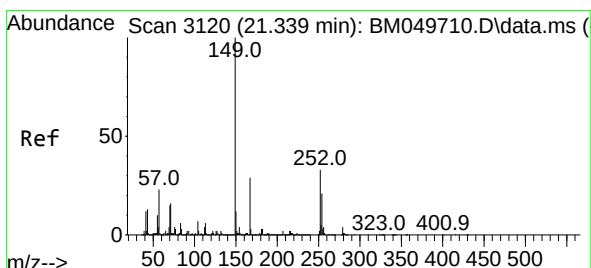
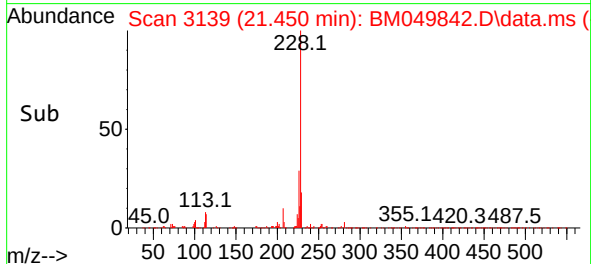
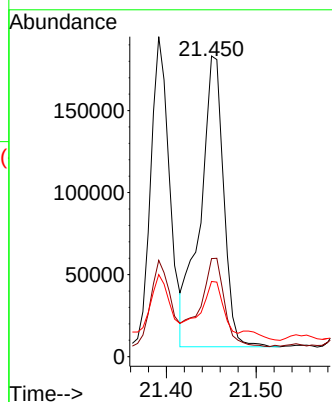
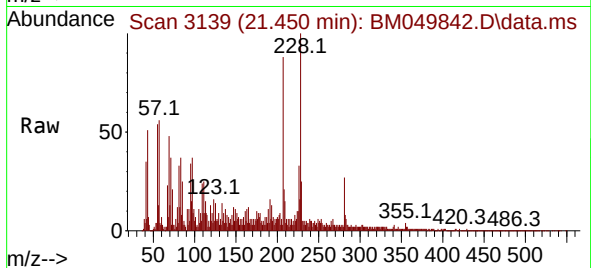
Tgt Ion:228 Resp: 322810

Ion Ratio Lower Upper

228 100

226 32.6 24.5 36.7

229 25.0 15.8 23.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.337 ng

RT: 21.315 min Scan# 3116

Delta R.T. -0.024 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

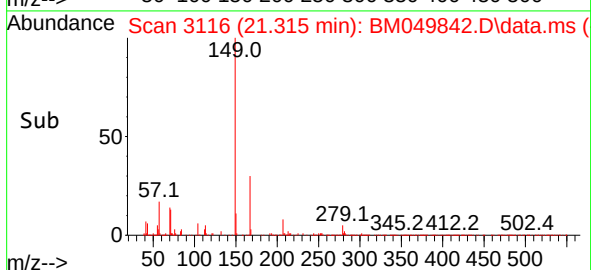
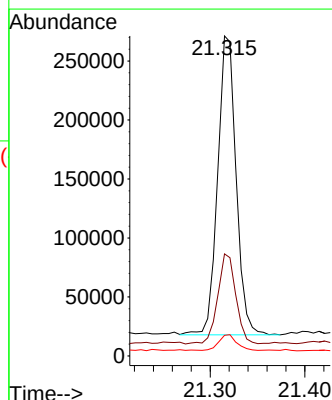
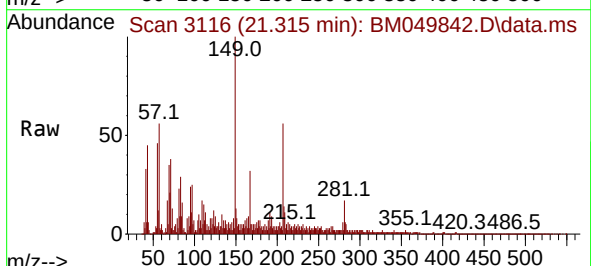
Tgt Ion:149 Resp: 344225

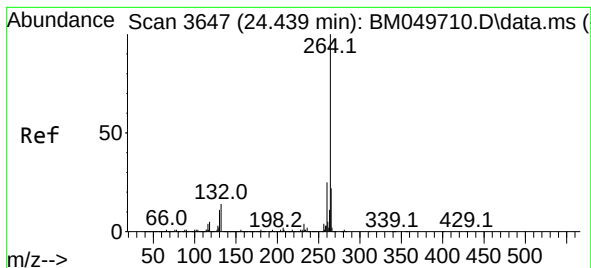
Ion Ratio Lower Upper

149 100

167 31.9 22.9 34.3

279 6.4 3.5 5.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.421 min Scan# 30

Delta R.T. -0.018 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

Instrument :

BNA_M

ClientSampleId :

RT3069

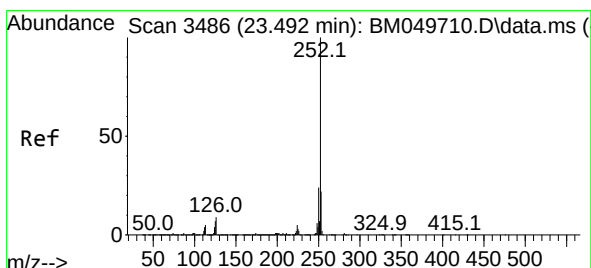
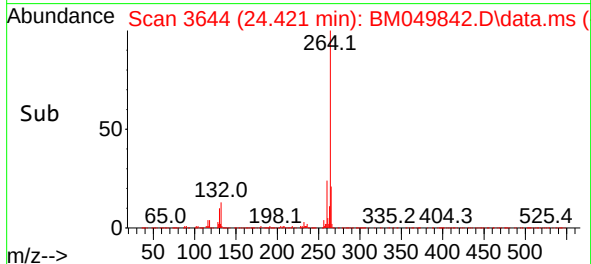
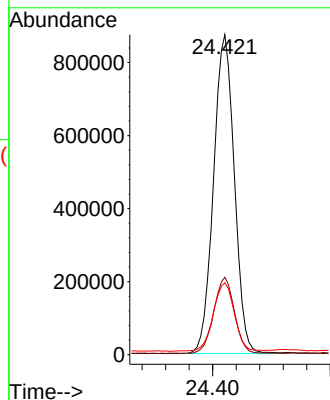
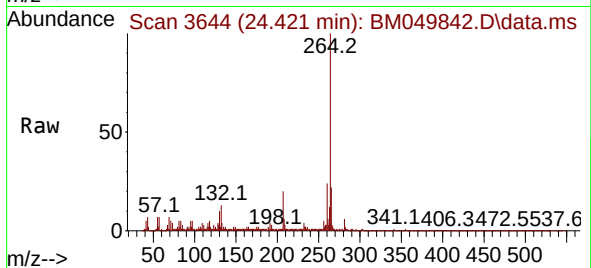
Tgt Ion:264 Resp: 2146537

Ion Ratio Lower Upper

264 100

260 24.2 19.6 29.4

265 22.4 18.2 27.2



#88

Benzo(b)fluoranthene

Concen: 2.353 ng

RT: 23.474 min Scan# 3483

Delta R.T. -0.018 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

Tgt Ion:252 Resp: 340221

Ion Ratio Lower Upper

252 100

253 27.1 17.4 26.0#

125 21.6 5.9 8.9#

