

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
 Data File : BM049885.D
 Acq On : 10 Apr 2025 15:28
 Operator : RC/JU
 Sample : Q1752-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-2

Quant Time: Apr 10 16:09:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

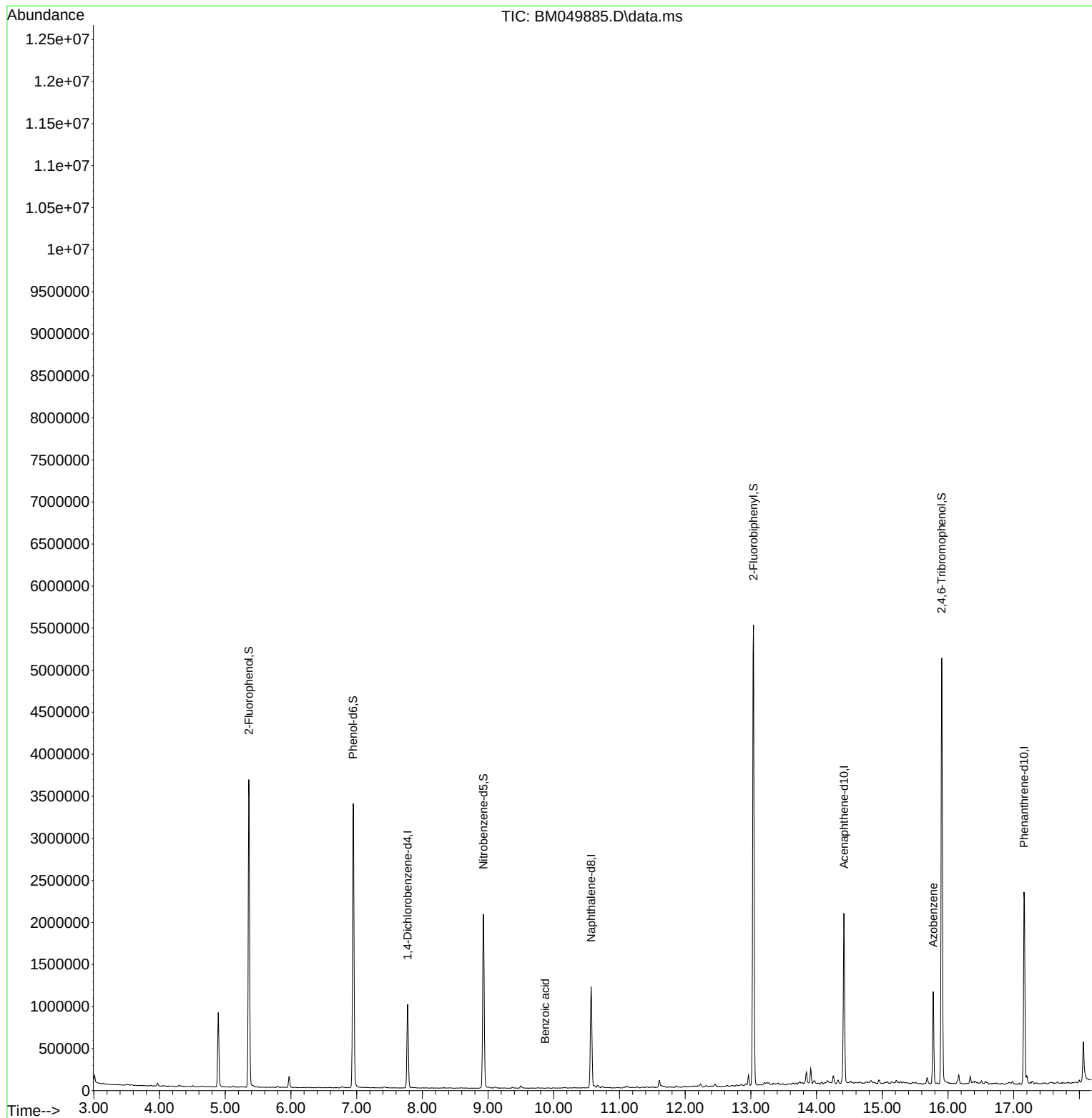
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	279085	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1010754	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	691578	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1407718	20.000	ng	0.00
76) Chrysene-d12	21.392	240	1398168	20.000	ng	-0.01
86) Perylene-d12	24.392	264	1488517	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	1619077	98.512	ng	0.00
7) Phenol-d6	6.946	99	2038191	99.674	ng	0.00
23) Nitrobenzene-d5	8.928	82	1183701	65.213	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1014699	100.872	ng	0.00
45) 2-Fluorobiphenyl	13.040	172	2934375	57.536	ng	0.00
79) Terphenyl-d14	19.786	244	4837501	64.840	ng	0.00
Target Compounds						
					Qvalue	
32) Benzoic acid	9.869	122	85	8.544	ng	# 31
63) Azobenzene	15.775	77	284963	7.114	ng	# 1

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

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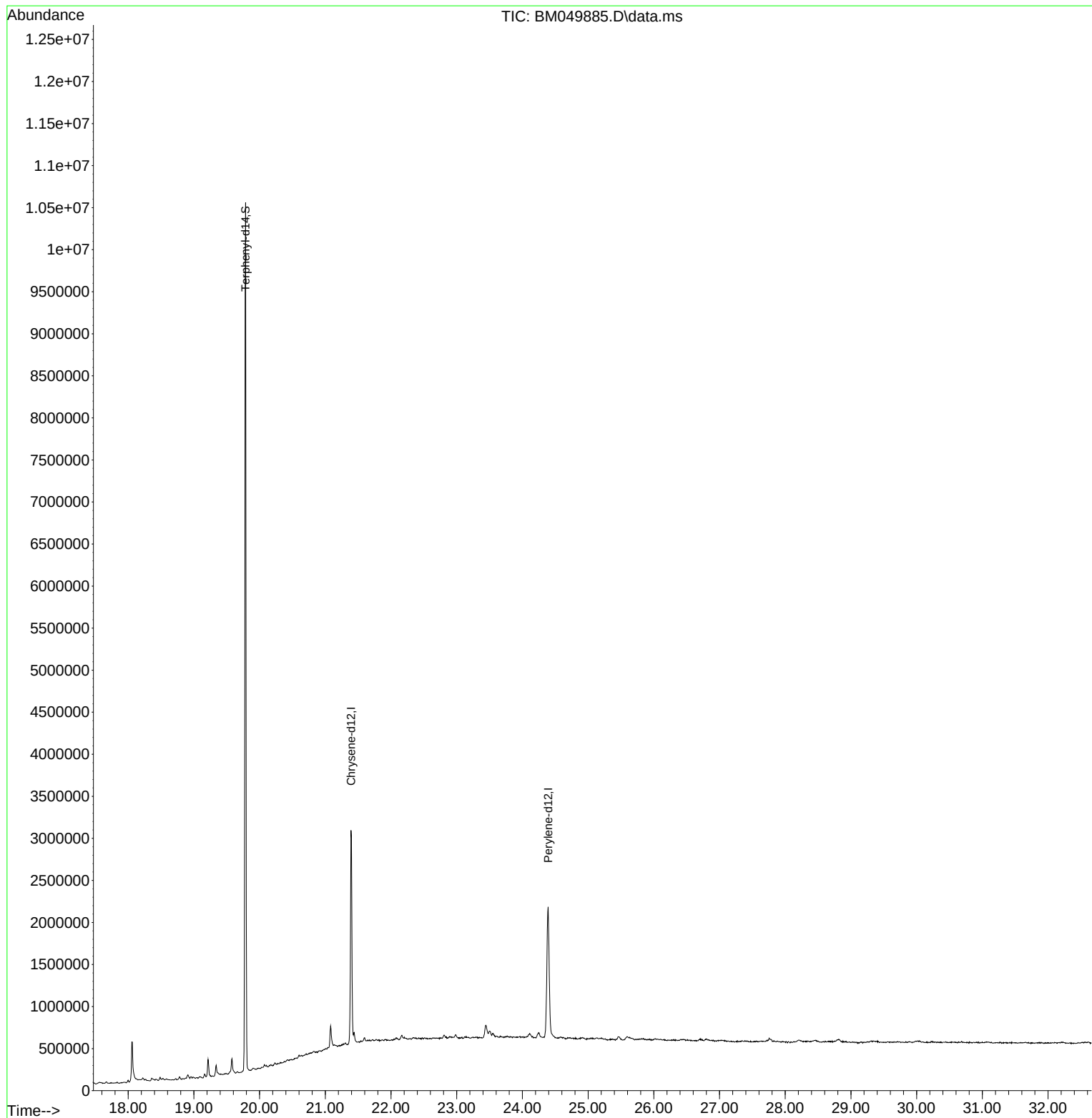
Quant Time: Apr 10 16:09:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
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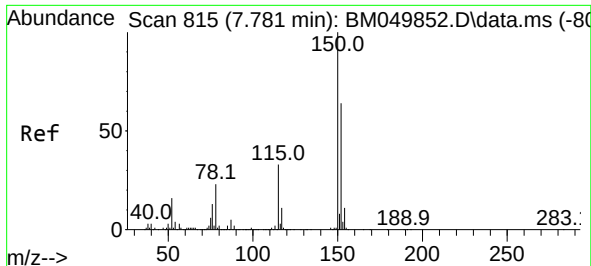


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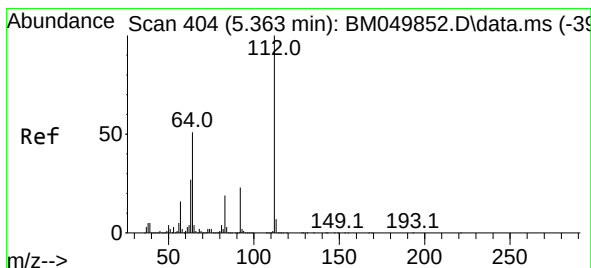
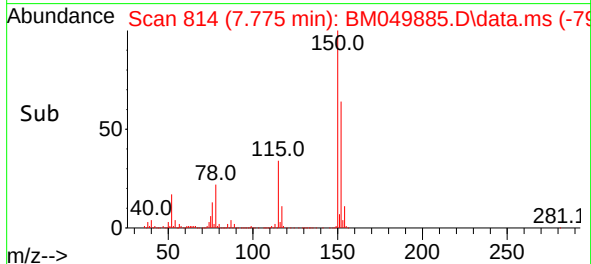
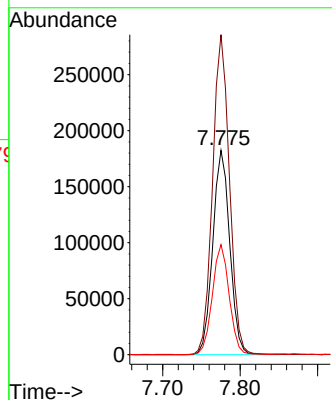
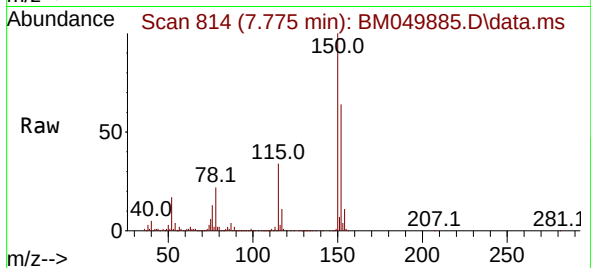




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM049885.D
Acq: 10 Apr 2025 15:28

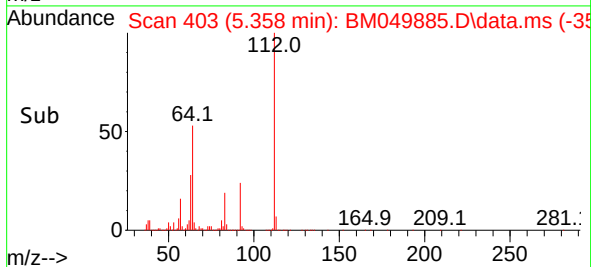
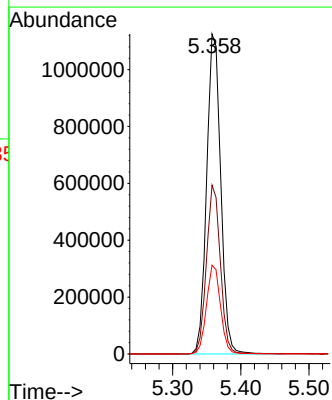
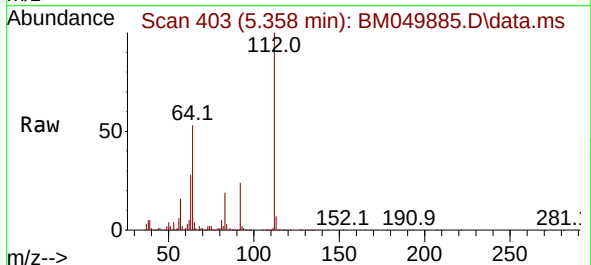
Instrument :
BNA_M
ClientSampleId :
TP-2

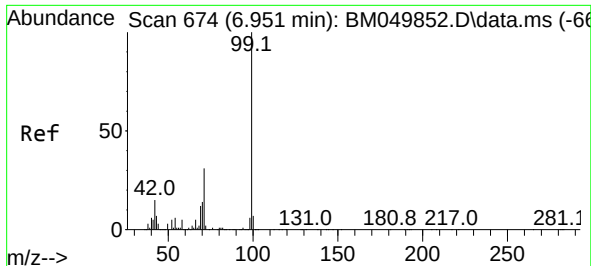
Tgt Ion:152 Resp: 279085
Ion Ratio Lower Upper
152 100
150 156.6 124.3 186.5
115 53.9 41.1 61.7



#5
2-Fluorophenol
Concen: 98.512 ng
RT: 5.358 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049885.D
Acq: 10 Apr 2025 15:28

Tgt Ion:112 Resp: 1619077
Ion Ratio Lower Upper
112 100
64 52.7 41.0 61.6
63 27.8 21.5 32.3

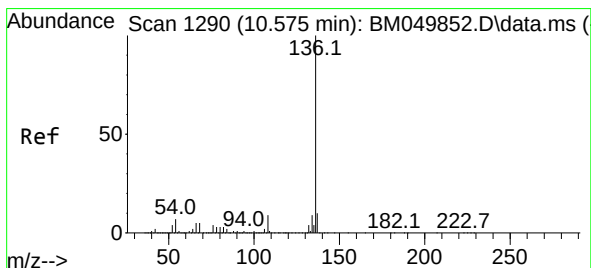
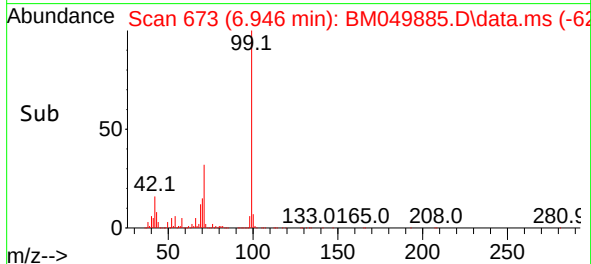
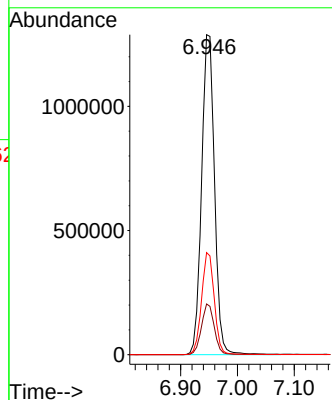
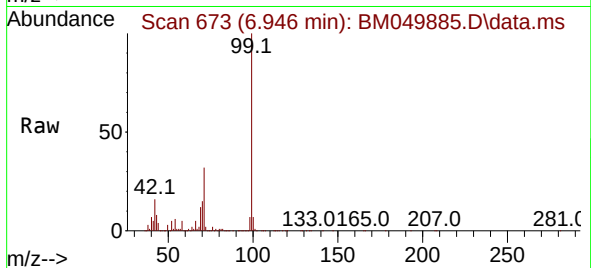




#7
Phenol-d6
Concen: 99.674 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM049885.D
Acq: 10 Apr 2025 15:28

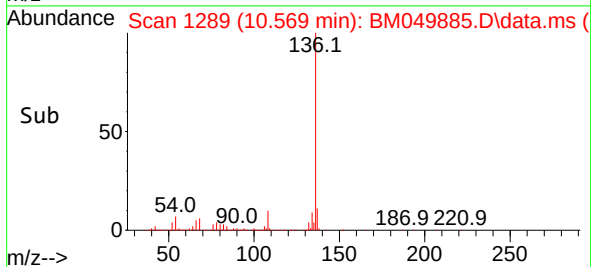
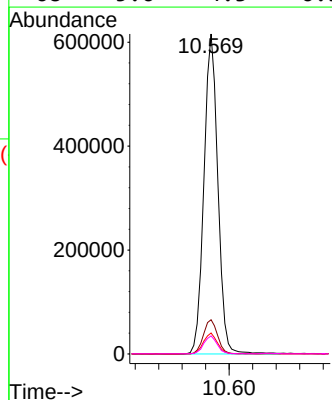
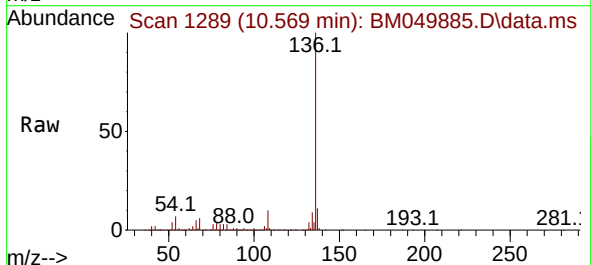
Instrument :
BNA_M
ClientSampleId :
TP-2

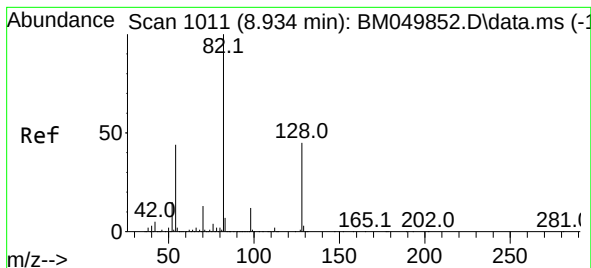
Tgt Ion: 99 Resp: 2038191
Ion Ratio Lower Upper
99 100
42 15.9 12.1 18.1
71 31.9 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM049885.D
Acq: 10 Apr 2025 15:28

Tgt Ion: 136 Resp: 1010754
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 6.6 5.3 7.9
68 5.6 4.3 6.5





#23

Nitrobenzene-d5

Concen: 65.213 ng

RT: 8.928 min Scan# 110

Delta R.T. -0.006 min

Lab File: BM049885.D

Acq: 10 Apr 2025 15:28

Instrument :

BNA_M

ClientSampleId :

TP-2

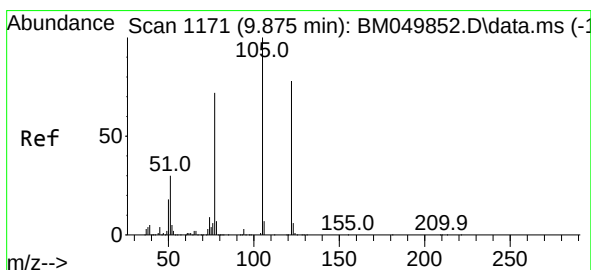
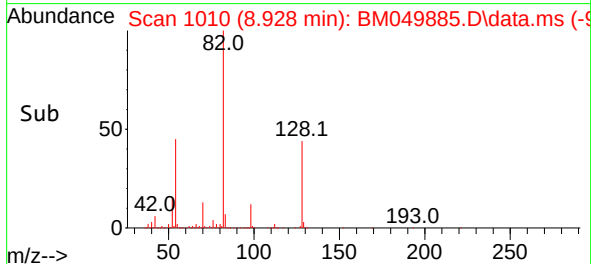
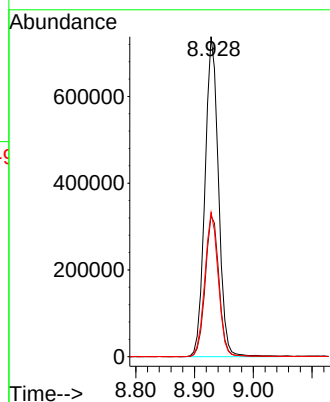
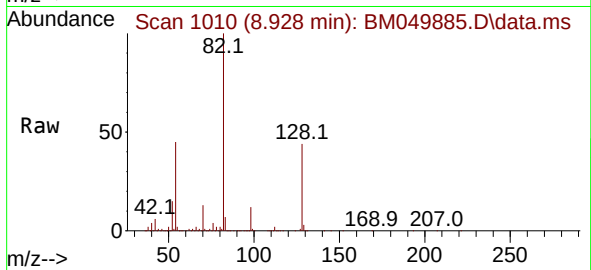
Tgt Ion: 82 Resp: 1183701

Ion Ratio Lower Upper

82 100

128 44.0 36.2 54.2

54 45.1 35.0 52.6



#32

Benzoic acid

Concen: 8.544 ng

RT: 9.869 min Scan# 1170

Delta R.T. -0.006 min

Lab File: BM049885.D

Acq: 10 Apr 2025 15:28

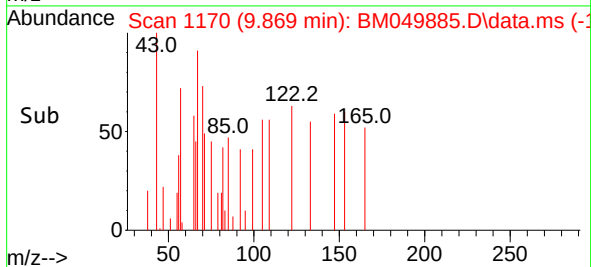
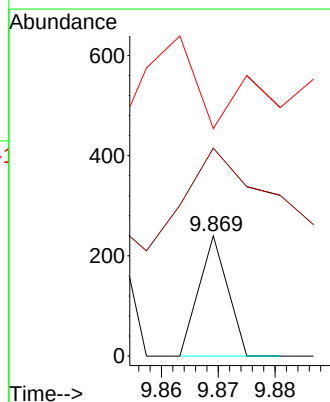
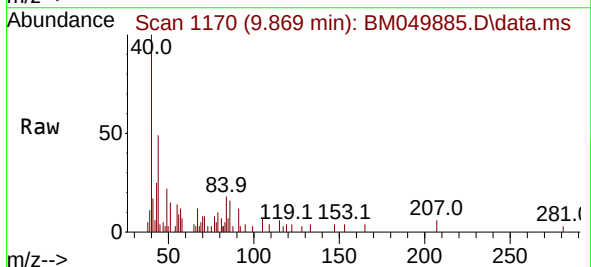
Tgt Ion:122 Resp: 85

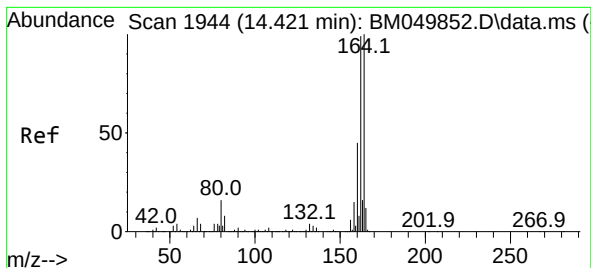
Ion Ratio Lower Upper

122 100

105 172.9 103.8 143.8#

77 189.2 70.7 110.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.416 min Scan# 1943

Delta R.T. -0.006 min

Lab File: BM049885.D

Acq: 10 Apr 2025 15:28

Instrument :

BNA_M

ClientSampleId :

TP-2

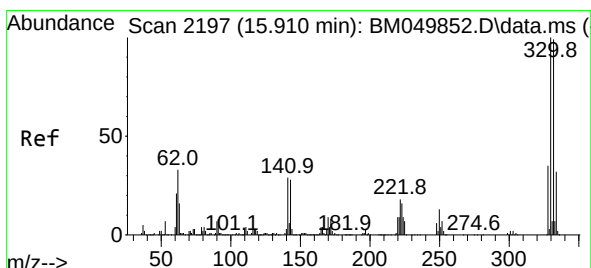
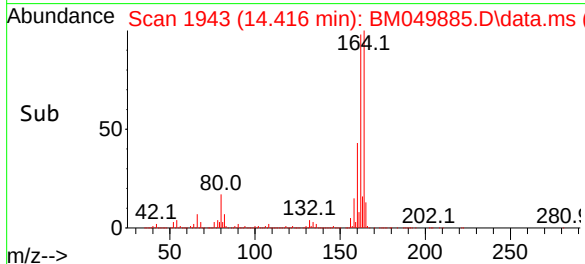
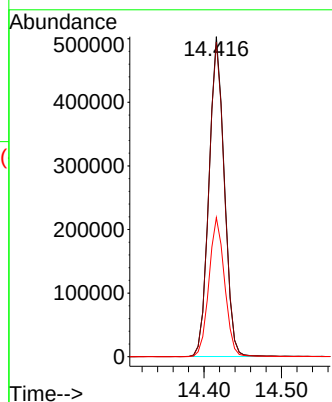
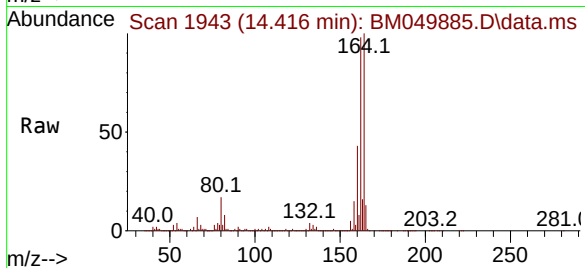
Tgt Ion:164 Resp: 691578

Ion Ratio Lower Upper

164 100

162 98.3 79.4 119.0

160 43.4 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 100.872 ng

RT: 15.904 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BM049885.D

Acq: 10 Apr 2025 15:28

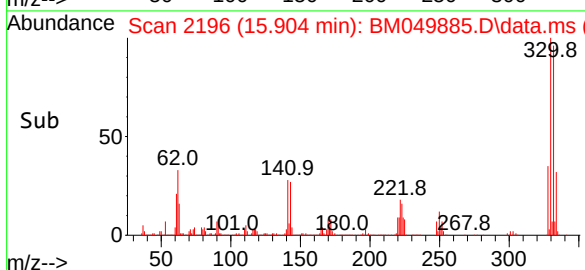
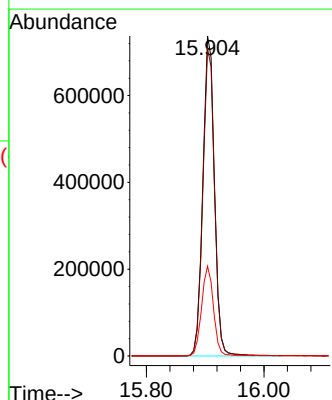
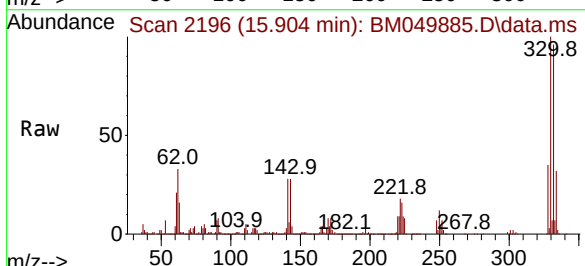
Tgt Ion:330 Resp: 1014699

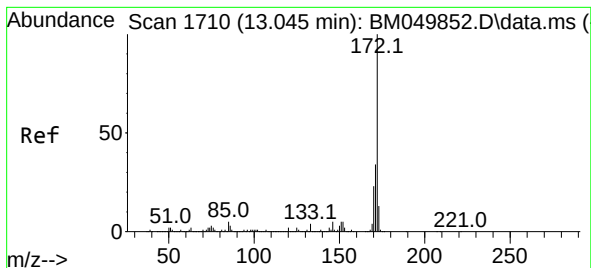
Ion Ratio Lower Upper

330 100

332 96.4 78.0 117.0

141 28.7 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 57.536 ng

RT: 13.040 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049885.D

Acq: 10 Apr 2025 15:28

Instrument :

BNA_M

ClientSampleId :

TP-2

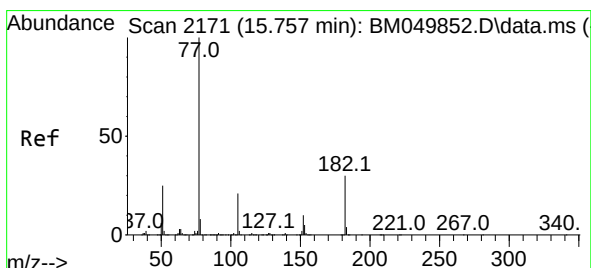
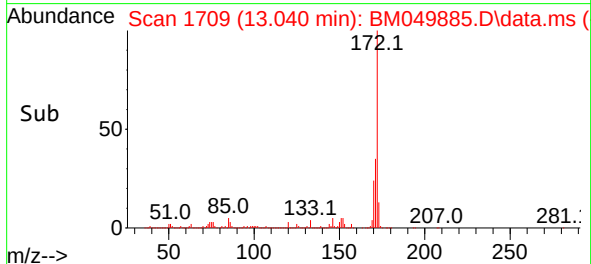
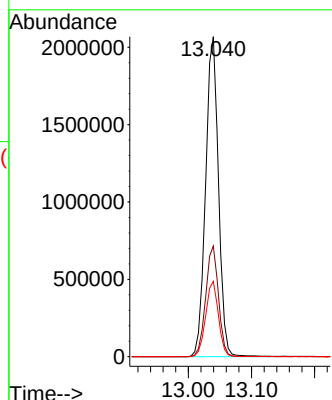
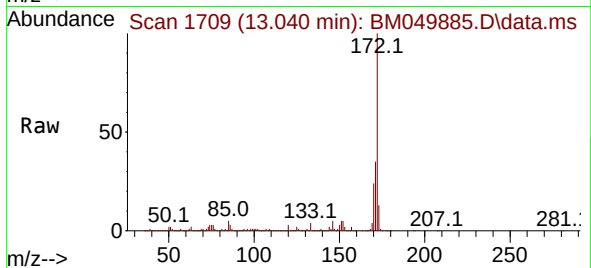
Tgt Ion:172 Resp: 2934375

Ion Ratio Lower Upper

172 100

171 34.6 27.4 41.2

170 23.5 18.6 28.0



#63

Azobenzene

Concen: 7.114 ng

RT: 15.775 min Scan# 2174

Delta R.T. 0.018 min

Lab File: BM049885.D

Acq: 10 Apr 2025 15:28

Tgt Ion: 77 Resp: 284963

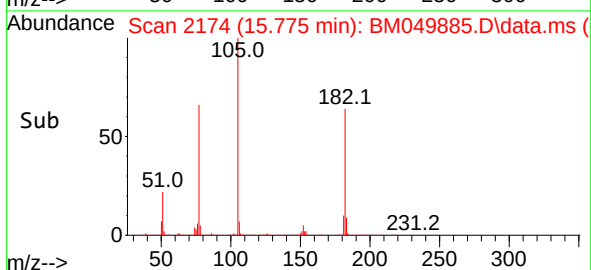
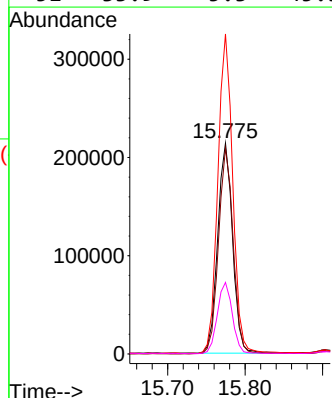
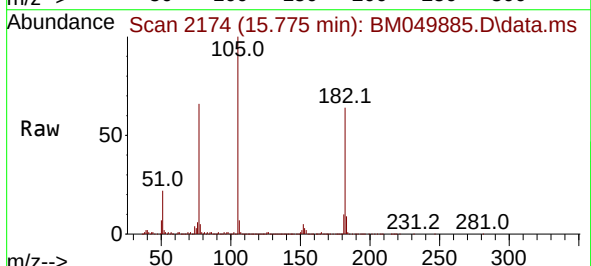
Ion Ratio Lower Upper

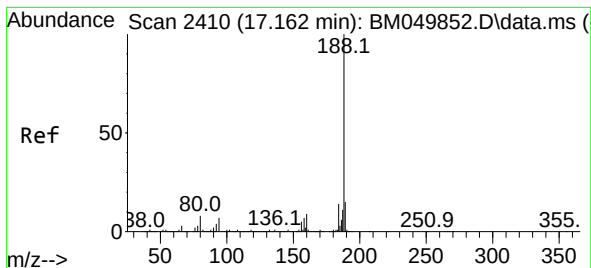
77 100

182 97.6 10.4 50.4#

105 151.8 1.5 41.5#

51 33.9 5.3 45.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2410

Delta R.T. -0.006 min

Lab File: BM049885.D

Acq: 10 Apr 2025 15:28

Instrument :

BNA_M

ClientSampleId :

TP-2

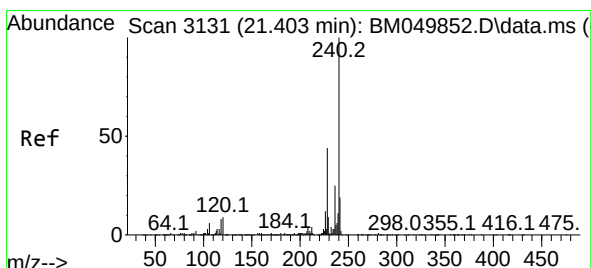
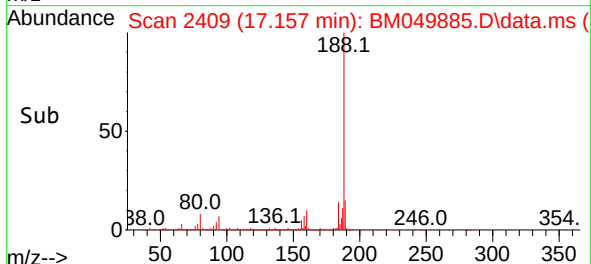
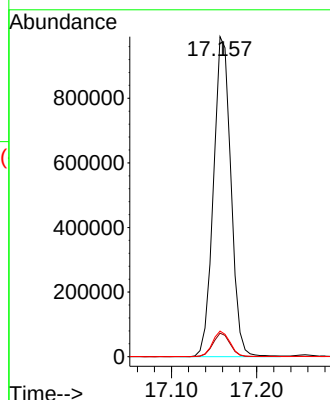
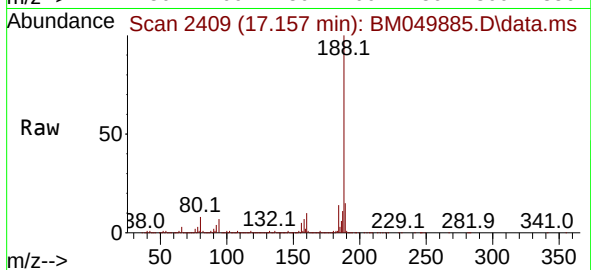
Tgt Ion:188 Resp: 1407718

Ion Ratio Lower Upper

188 100

94 7.3 5.8 8.6

80 8.0 6.4 9.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.392 min Scan# 3129

Delta R.T. -0.011 min

Lab File: BM049885.D

Acq: 10 Apr 2025 15:28

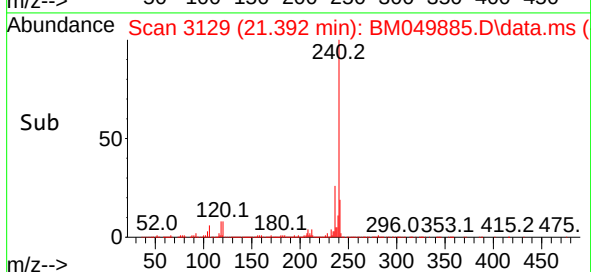
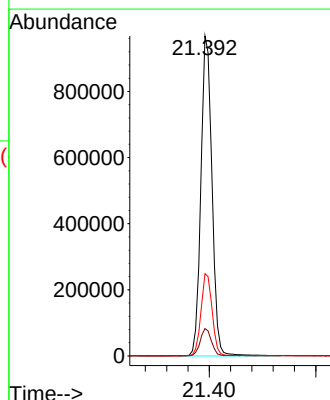
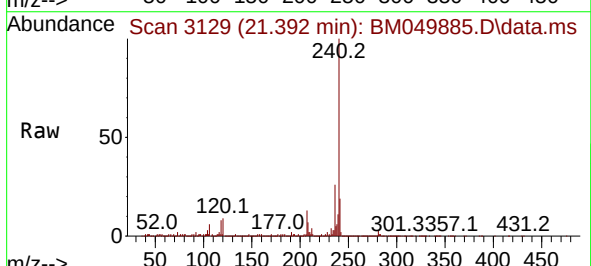
Tgt Ion:240 Resp: 1398168

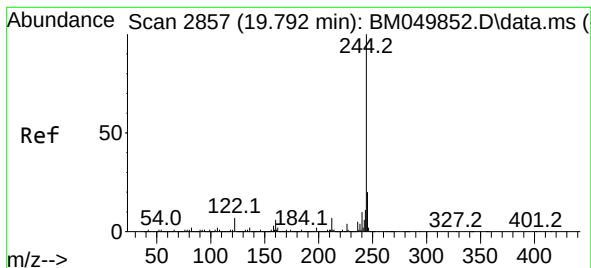
Ion Ratio Lower Upper

240 100

120 8.5 6.9 10.3

236 25.7 20.4 30.6





#79

Terphenyl-d14

Concen: 64.840 ng

RT: 19.786 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049885.D

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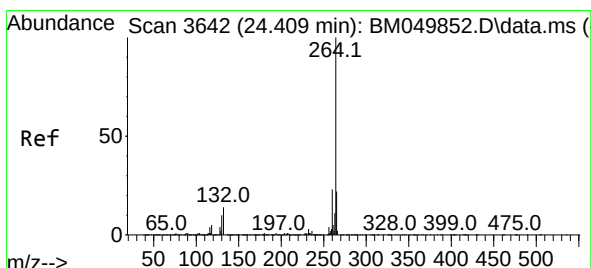
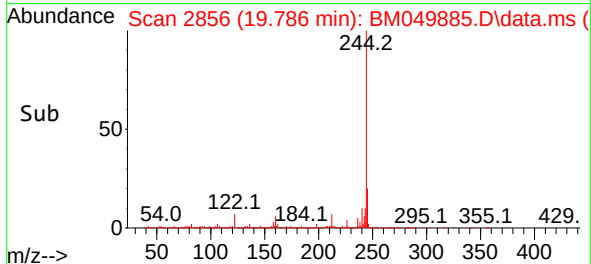
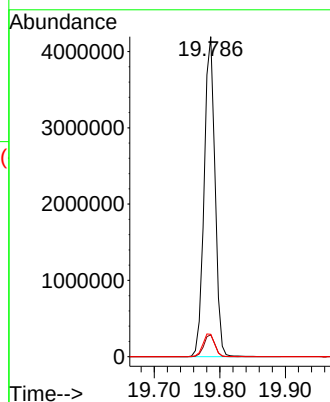
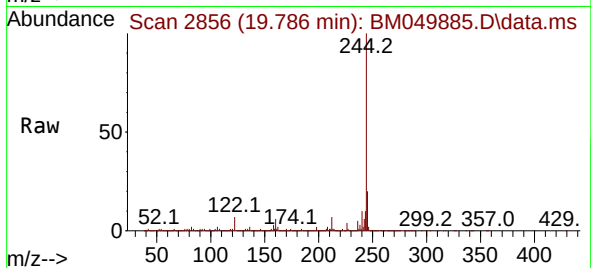
Tgt Ion:244 Resp: 4837501

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 7.0 5.4 8.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.392 min Scan# 3639

Delta R.T. -0.017 min

Lab File: BM049885.D

Acq: 10 Apr 2025 15:28

Tgt Ion:264 Resp: 1488517

Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 22.1 17.8 26.8

