

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
 Data File : BM050044.D
 Acq On : 30 Apr 2025 14:07
 Operator : RC/JU
 Sample : Q1883-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OU4-PCS-TC-27-042325

Quant Time: Apr 30 14:43:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

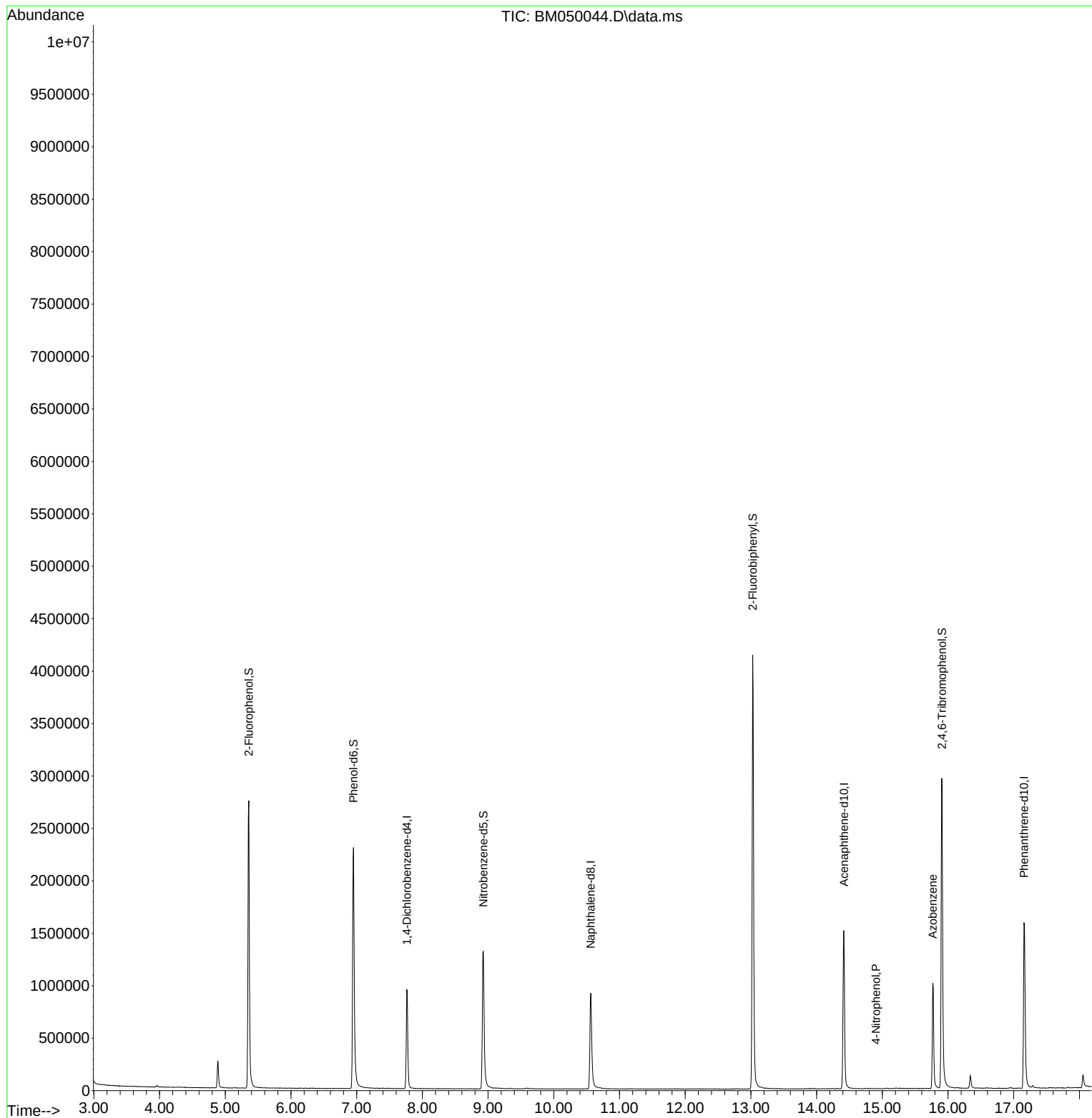
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	277063	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	941412	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	630217	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1199209	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1136132	20.000	ng	0.00
86) Perylene-d12	24.403	264	1183004	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1277319	80.728	ng	0.00
7) Phenol-d6	6.951	99	1550077	77.945	ng	0.00
23) Nitrobenzene-d5	8.928	82	933083	48.840	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	654907	70.280	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	2418814	45.404	ng	0.00
79) Terphenyl-d14	19.780	244	3912099	50.953	ng	0.00
Target Compounds						
56) 4-Nitrophenol	14.904	139	62	4.542	ng	Qvalue # 29
63) Azobenzene	15.769	77	314715	8.653	ng	# 1

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

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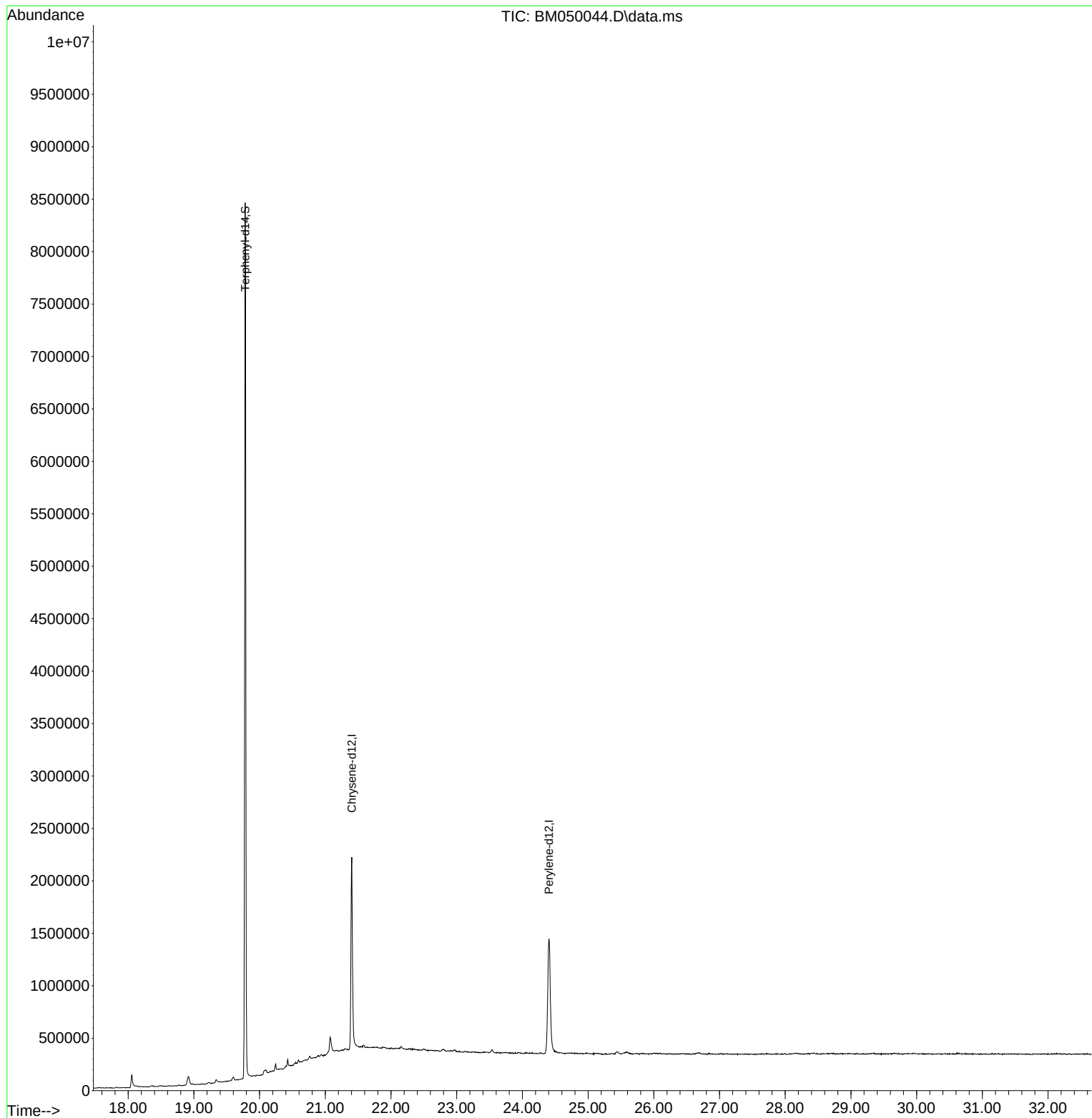
Quant Time: Apr 30 14:43:53 2025
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QLast Update : Mon Apr 28 18:09:16 2025
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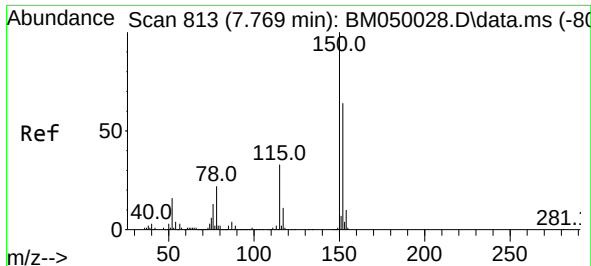


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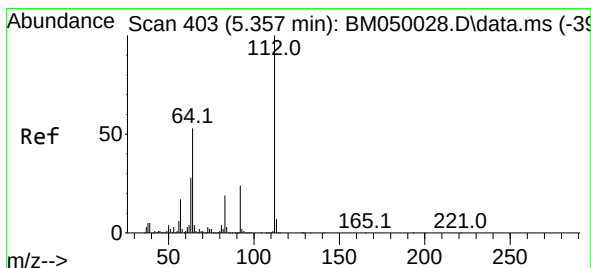
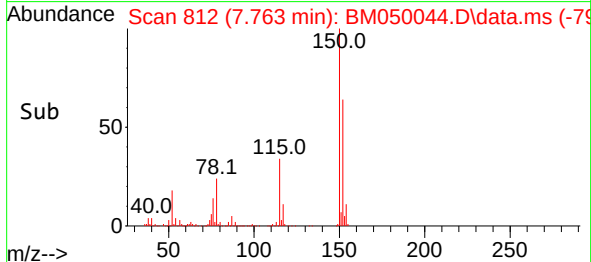
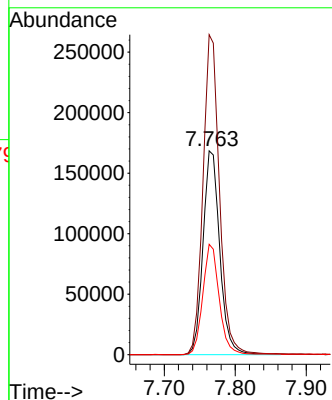
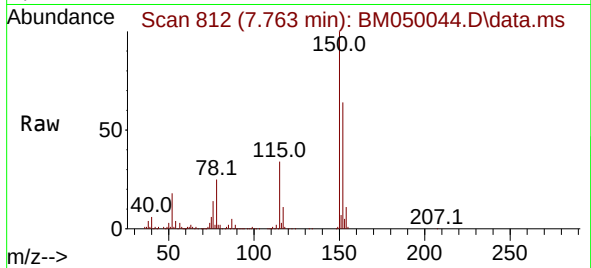




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 813
Delta R.T. -0.006 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

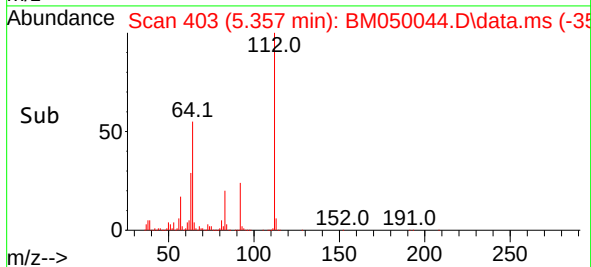
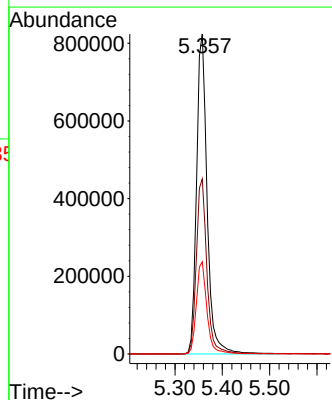
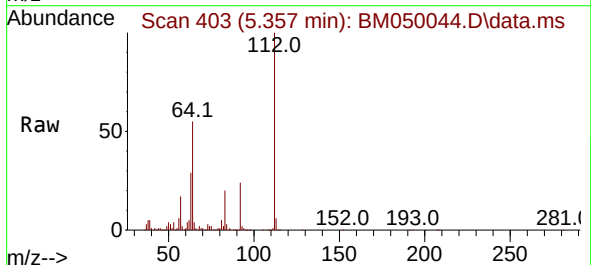
Instrument :
BNA_M
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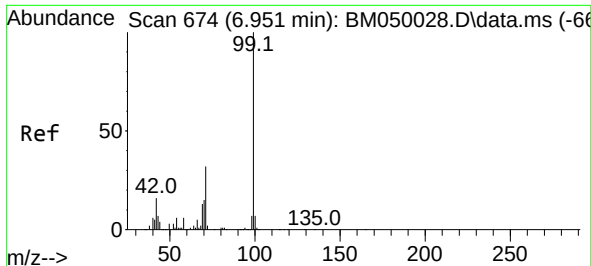
Tgt Ion:152 Resp: 277063
Ion Ratio Lower Upper
152 100
150 157.0 124.1 186.1
115 54.2 41.2 61.8



#5
2-Fluorophenol
Concen: 80.728 ng
RT: 5.357 min Scan# 403
Delta R.T. 0.000 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

Tgt Ion:112 Resp: 1277319
Ion Ratio Lower Upper
112 100
64 54.7 42.6 64.0
63 28.8 22.2 33.4

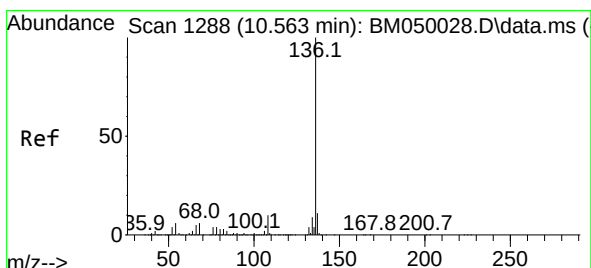
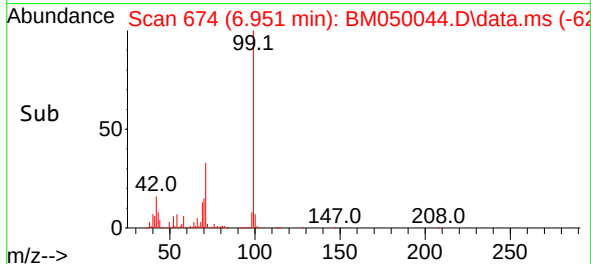
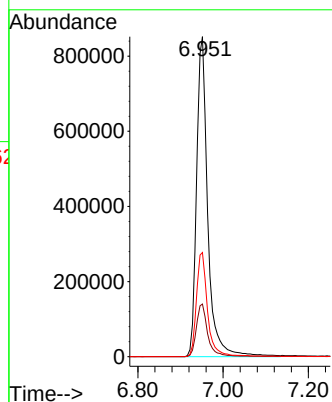
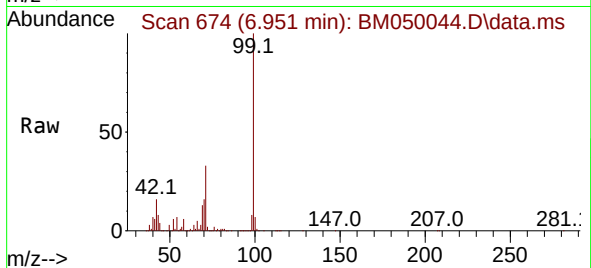




#7
Phenol-d6
Concen: 77.945 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

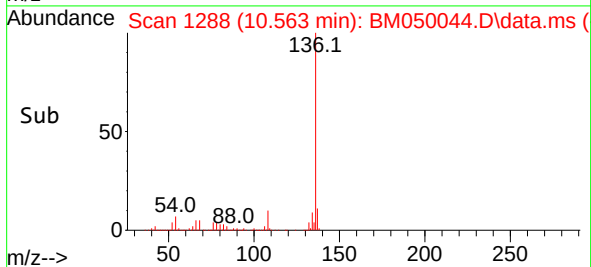
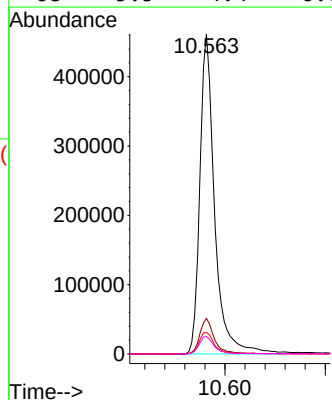
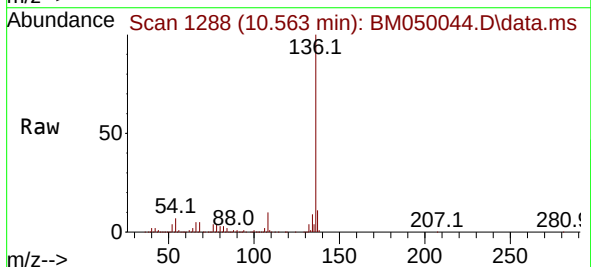
Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-27-042325

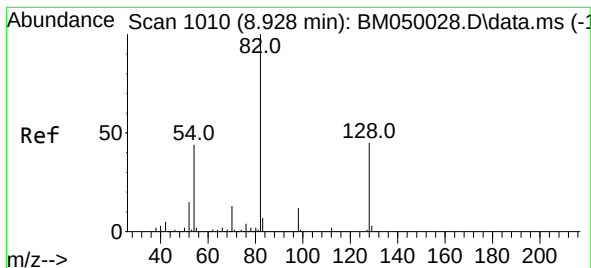
Tgt Ion: 99 Resp: 1550077
Ion Ratio Lower Upper
99 100
42 16.5 13.0 19.4
71 32.6 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

Tgt Ion: 136 Resp: 941412
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.7 5.1 7.7
68 5.5 4.4 6.6





#23

Nitrobenzene-d5

Concen: 48.840 ng

RT: 8.928 min Scan# 1010

Delta R.T. 0.000 min

Lab File: BM050044.D

Acq: 30 Apr 2025 14:07

Instrument :

BNA_M

ClientSampleId :

OU4-PCS-TC-27-042325

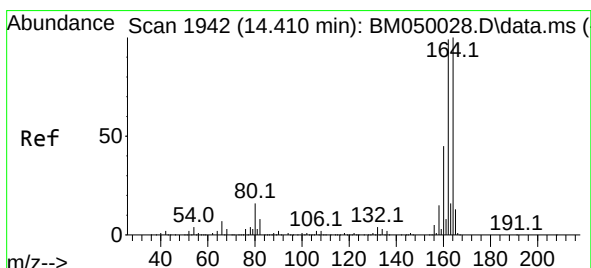
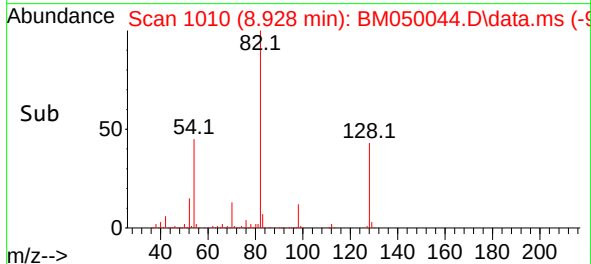
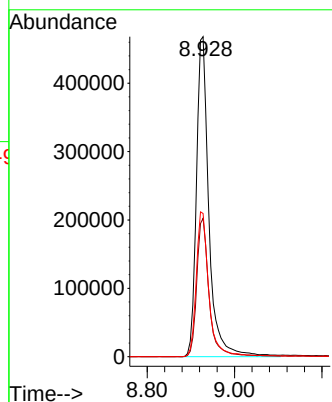
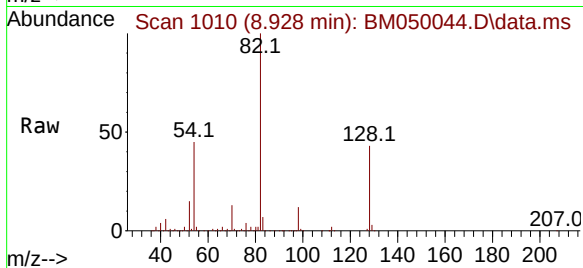
Tgt Ion: 82 Resp: 933083

Ion Ratio Lower Upper

82 100

128 43.2 35.7 53.5

54 44.8 35.4 53.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.416 min Scan# 1943

Delta R.T. 0.006 min

Lab File: BM050044.D

Acq: 30 Apr 2025 14:07

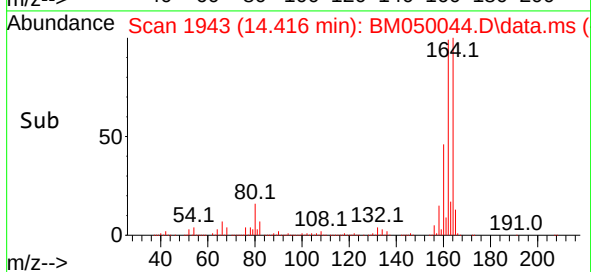
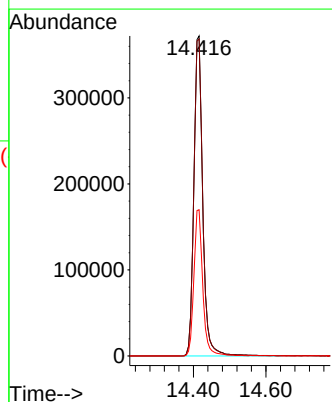
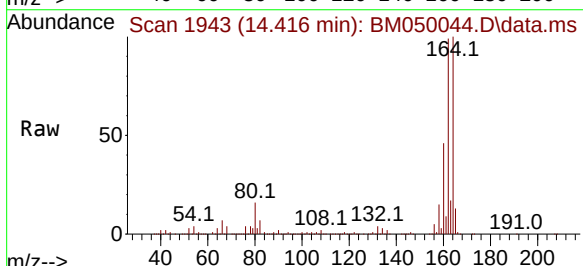
Tgt Ion: 164 Resp: 630217

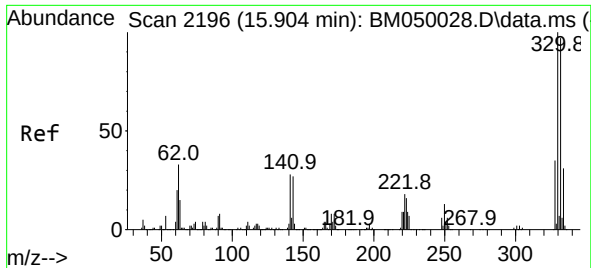
Ion Ratio Lower Upper

164 100

162 99.0 79.4 119.0

160 45.7 36.2 54.4

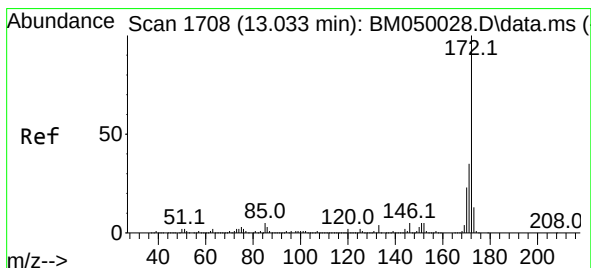
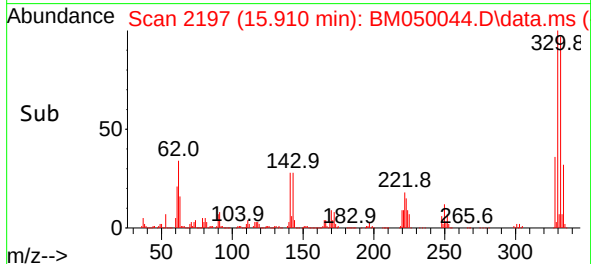
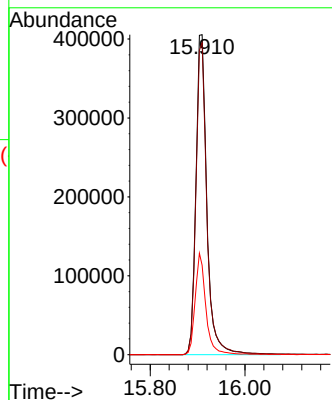
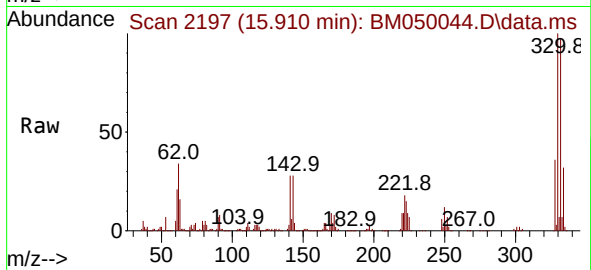




#42
2,4,6-Tribromophenol
Concen: 70.280 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

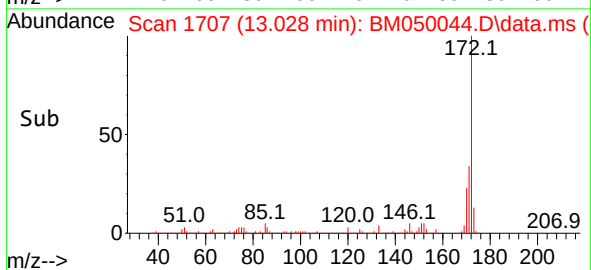
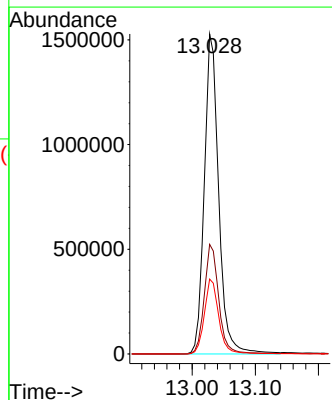
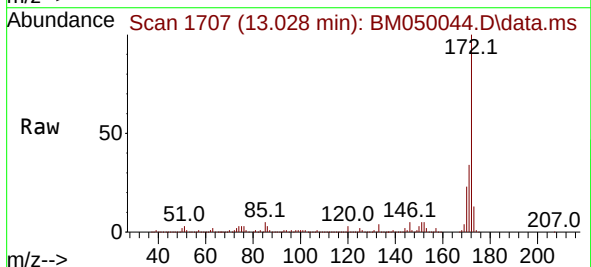
Instrument :
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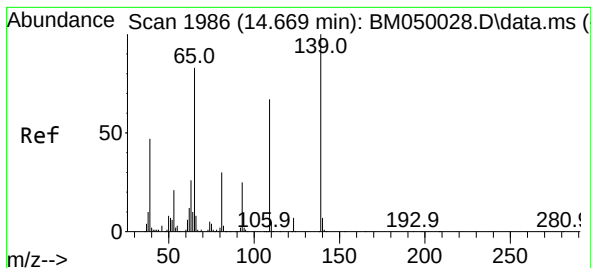
Tgt Ion:330 Resp: 654907
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 30.9 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 45.404 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

Tgt Ion:172 Resp: 2418814
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.6
170 23.4 18.6 28.0

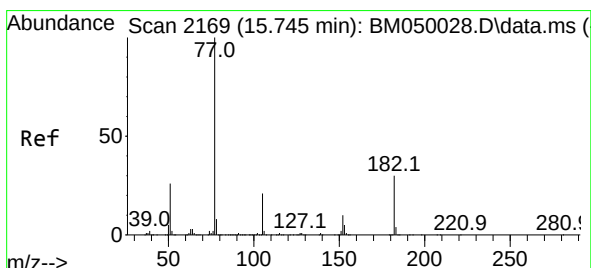
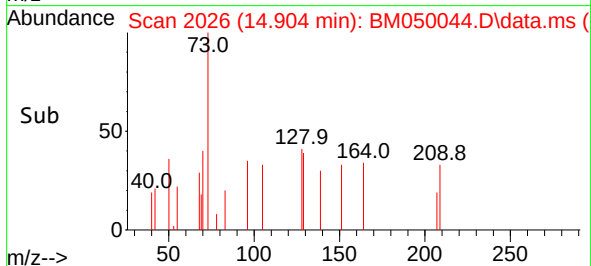
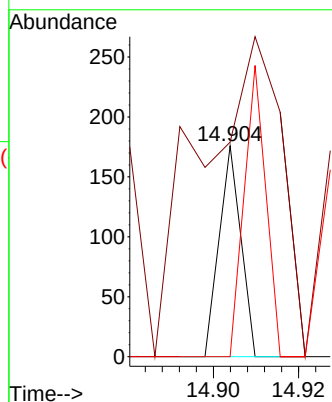
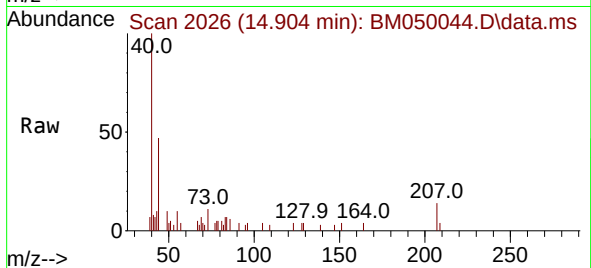




#56
4-Nitrophenol
Concen: 4.542 ng
RT: 14.904 min Scan# 20
Delta R.T. 0.235 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

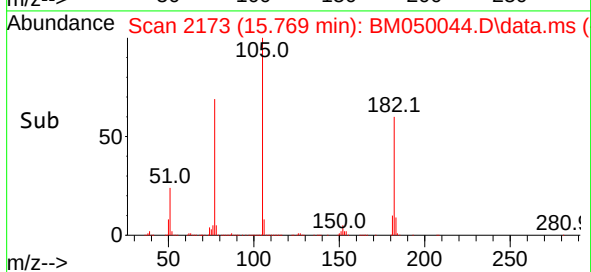
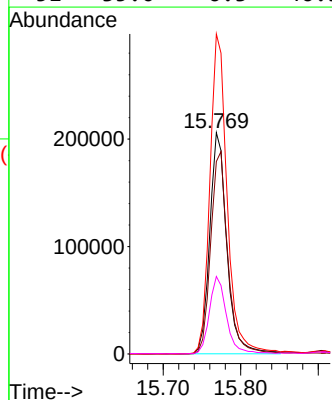
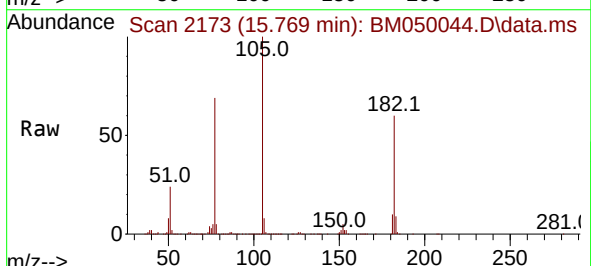
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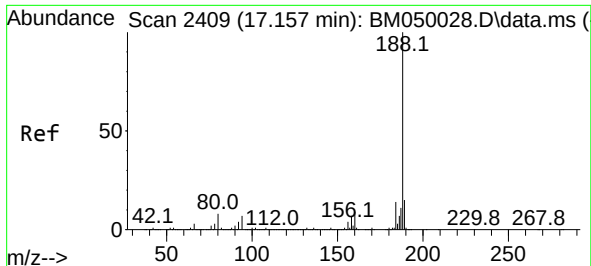
Tgt Ion:139 Resp: 62
Ion Ratio Lower Upper
139 100
109 101.7 47.0 87.0#
65 0.0 64.3 104.3#



#63
Azobenzene
Concen: 8.653 ng
RT: 15.769 min Scan# 2173
Delta R.T. 0.024 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

Tgt Ion: 77 Resp: 314715
Ion Ratio Lower Upper
77 100
182 87.0 10.5 50.5#
105 144.7 1.1 41.1#
51 35.0 6.3 46.3

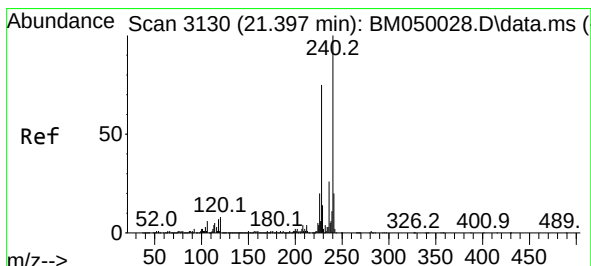
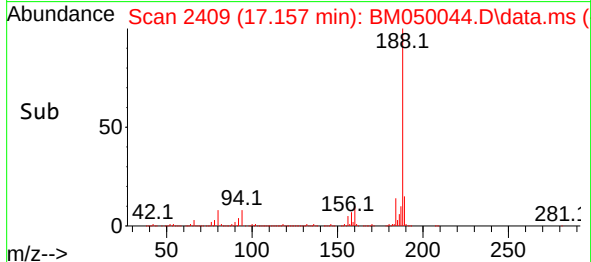
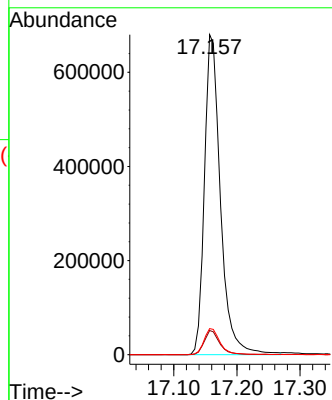
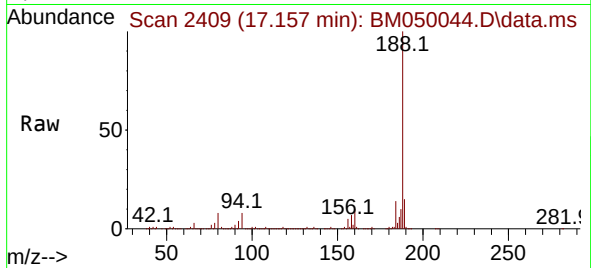




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

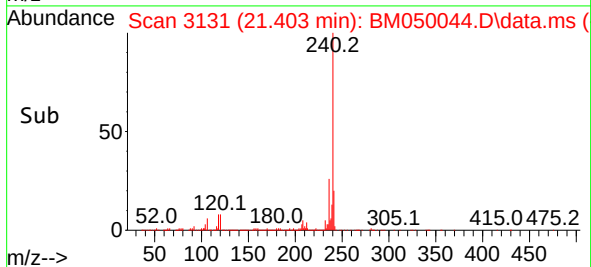
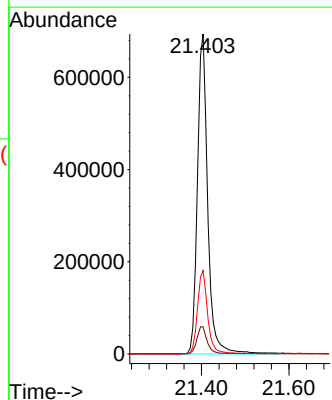
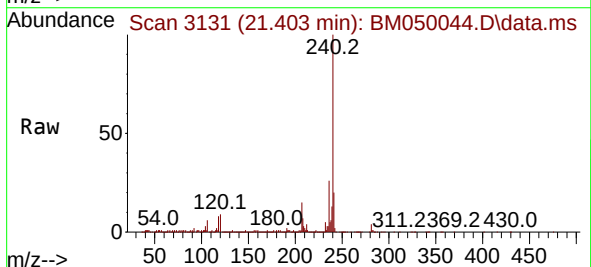
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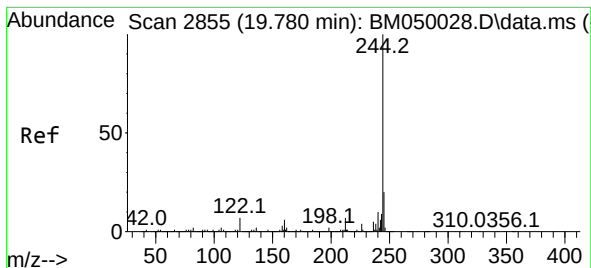
Tgt Ion:188 Resp: 1199209
Ion Ratio Lower Upper
188 100
94 7.6 5.7 8.5
80 8.1 6.2 9.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.006 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

Tgt Ion:240 Resp: 1136132
Ion Ratio Lower Upper
240 100
120 8.5 6.5 9.7
236 26.1 20.9 31.3





#79

Terphenyl-d14

Concen: 50.953 ng

RT: 19.780 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM050044.D

Acq: 30 Apr 2025 14:07

Instrument :

BNA_M

ClientSampleId :

OU4-PCS-TC-27-042325

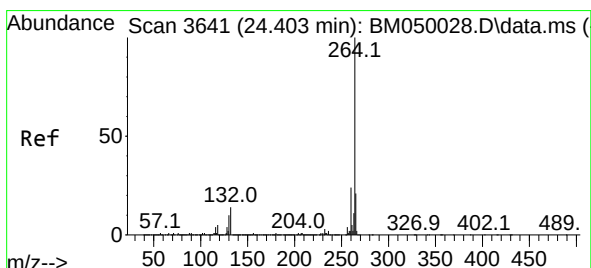
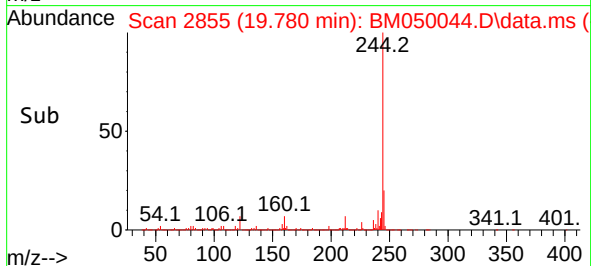
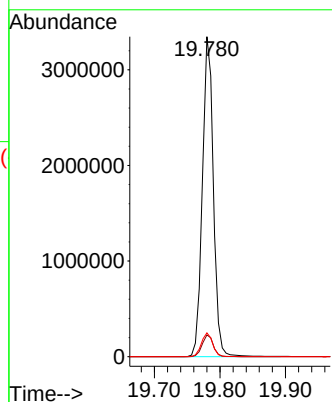
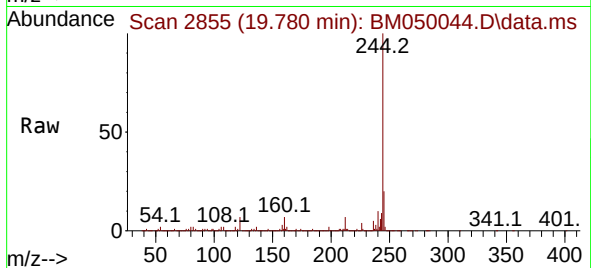
Tgt Ion:244 Resp: 3912099

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 7.5 5.6 8.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.403 min Scan# 3641

Delta R.T. 0.000 min

Lab File: BM050044.D

Acq: 30 Apr 2025 14:07

Tgt Ion:264 Resp: 1183004

Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

265 22.2 17.0 25.4

