

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050103.D
 Acq On : 05 May 2025 17:39
 Operator : RC/JU
 Sample : Q1947-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MH-P

Quant Time: May 05 18:34:22 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)

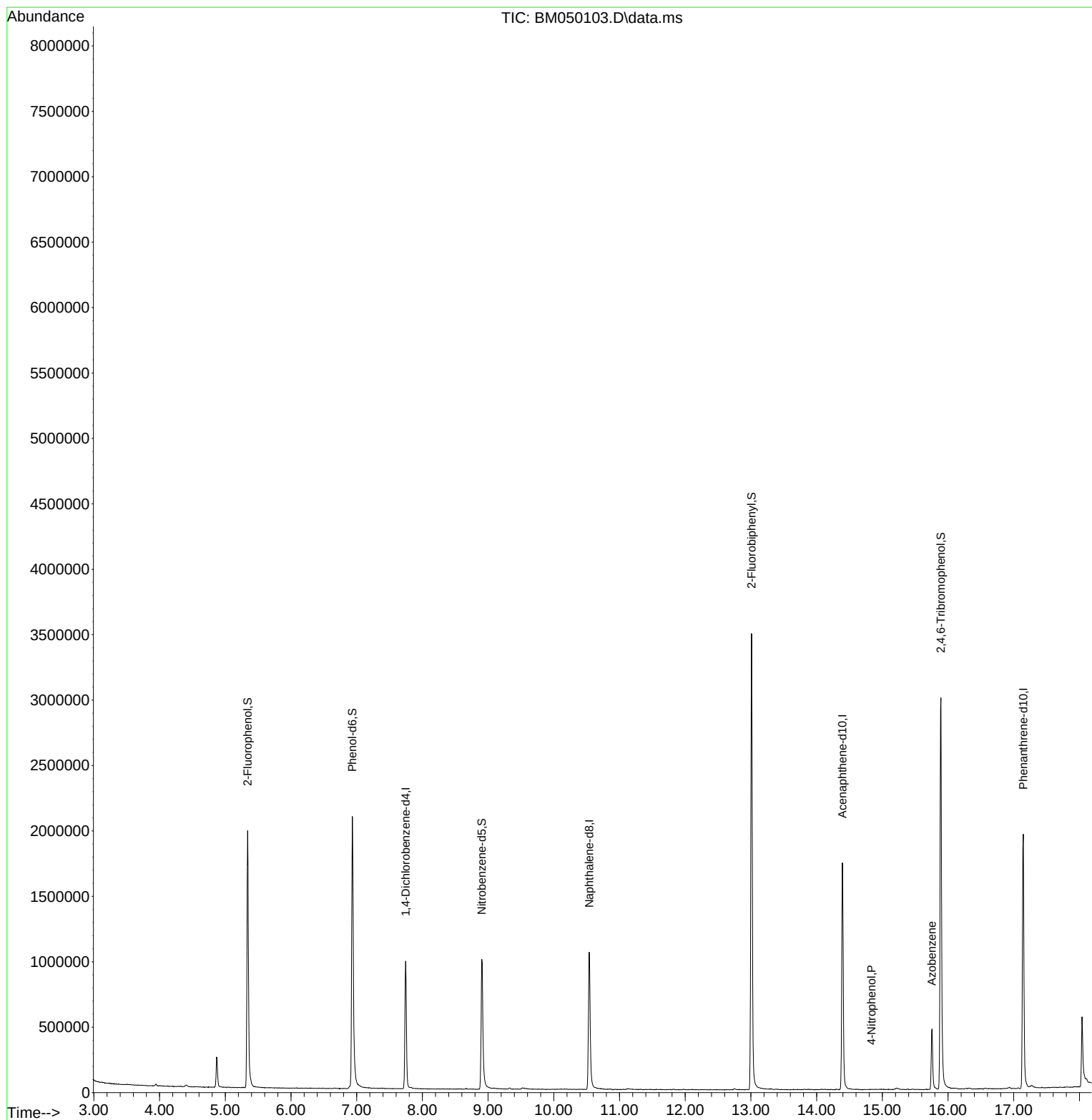
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.746	152	291248	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1052746	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	696367	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	1335253	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	1259236	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1285956	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	982675	59.081	ng	-0.02
7) Phenol-d6	6.934	99	1487471	71.154	ng	-0.02
23) Nitrobenzene-d5	8.904	82	716309	33.529	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	715217	69.461	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2089517	35.497	ng	-0.02
79) Terphenyl-d14	19.768	244	3177881	37.344	ng	-0.01
Target Compounds						
56) 4-Nitrophenol	14.833	139	262	4.564	ng	# 58
63) Azobenzene	15.751	77	143353	3.567	ng	# 1

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

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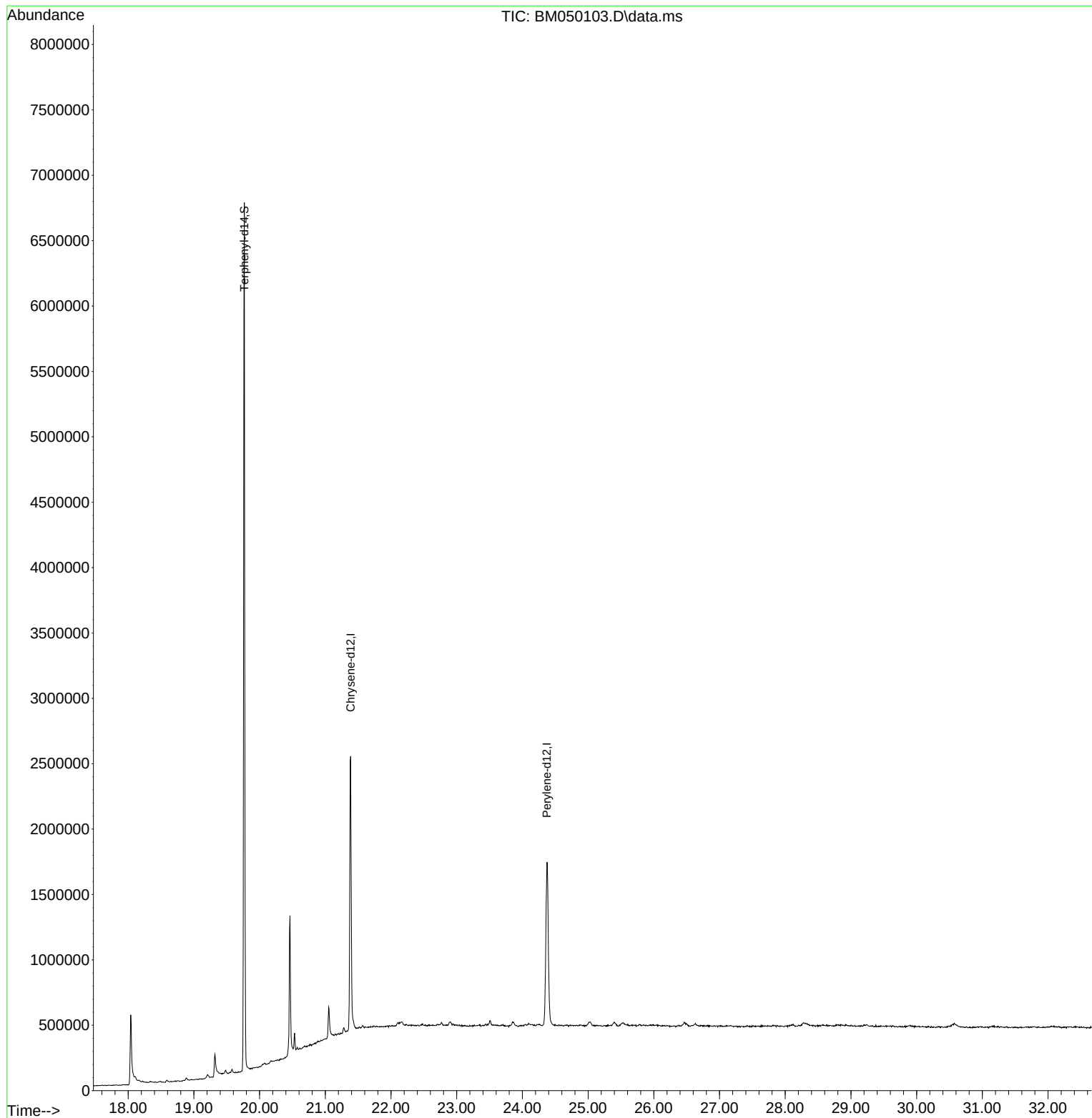
Quant Time: May 05 18:34:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
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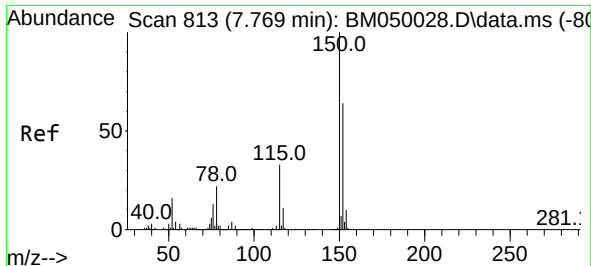


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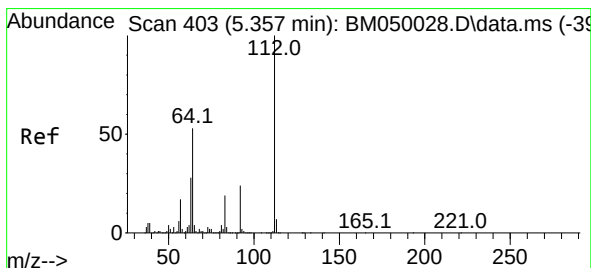
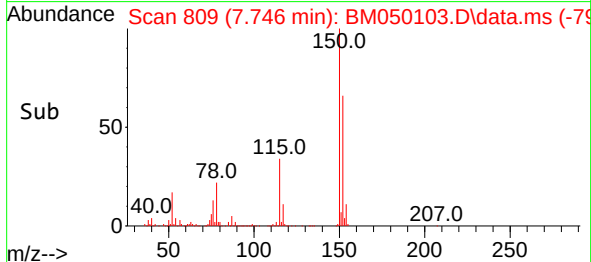
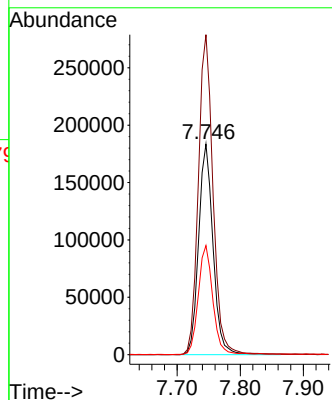
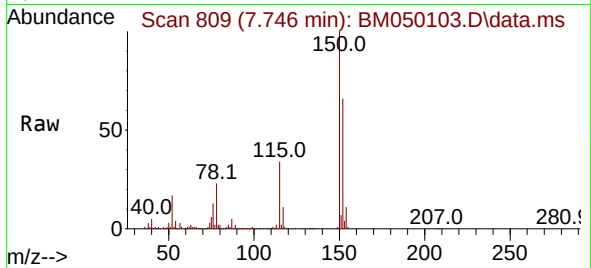




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.746 min Scan# 809
Delta R.T. -0.023 min
Lab File: BM050103.D
Acq: 05 May 2025 17:39

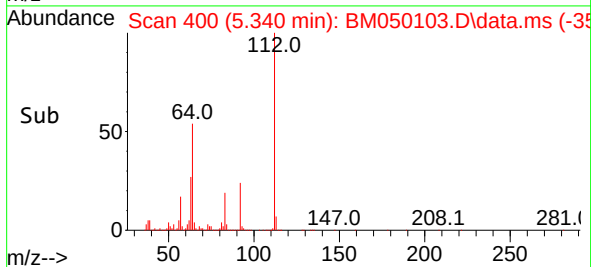
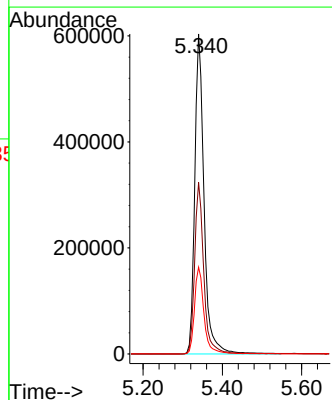
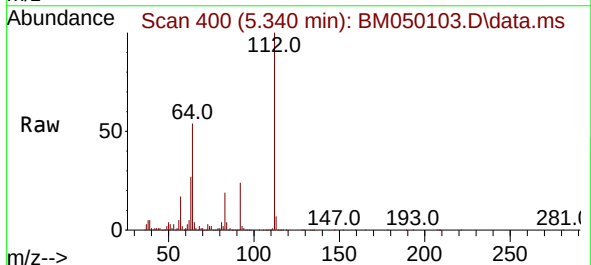
Instrument :
BNA_M
ClientSampleId :
MH-P

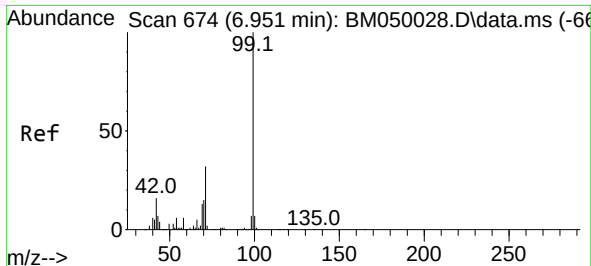
Tgt Ion:152 Resp: 291248
Ion Ratio Lower Upper
152 100
150 152.0 124.1 186.1
115 51.8 41.2 61.8



#5
2-Fluorophenol
Concen: 59.081 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050103.D
Acq: 05 May 2025 17:39

Tgt Ion:112 Resp: 982675
Ion Ratio Lower Upper
112 100
64 53.6 42.6 64.0
63 27.1 22.2 33.4

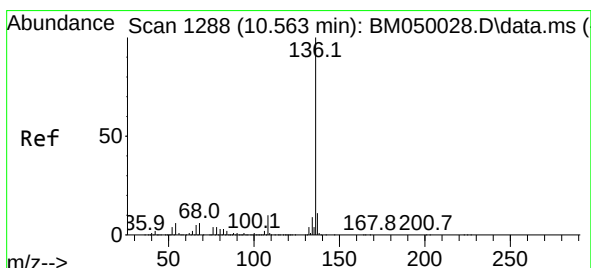
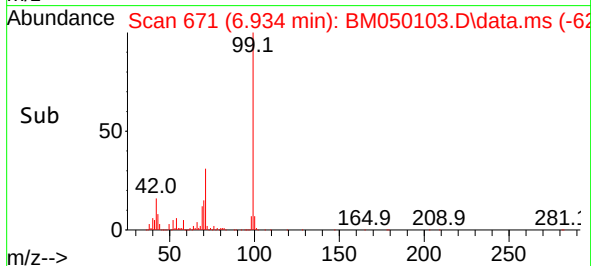
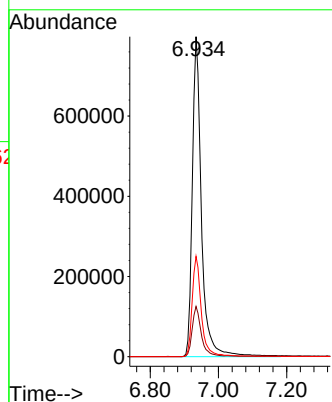
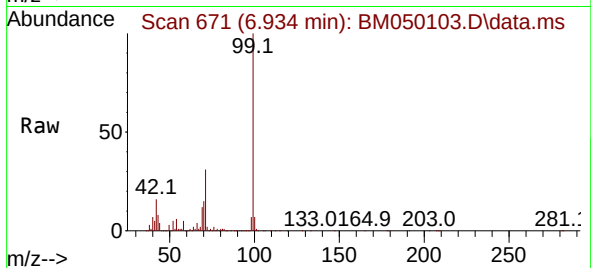




#7
Phenol-d6
Concen: 71.154 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050103.D
Acq: 05 May 2025 17:39

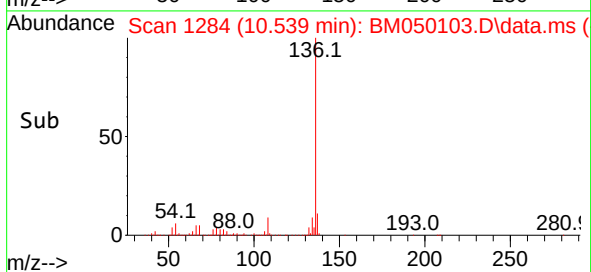
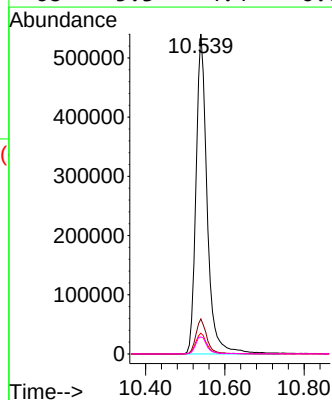
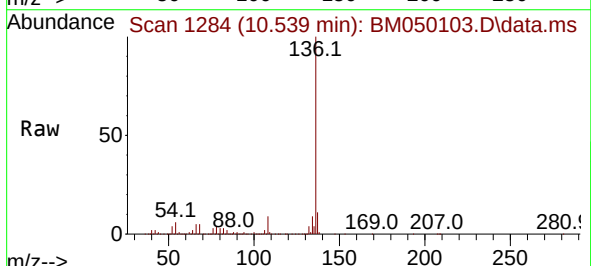
Instrument :
BNA_M
ClientSampleId :
MH-P

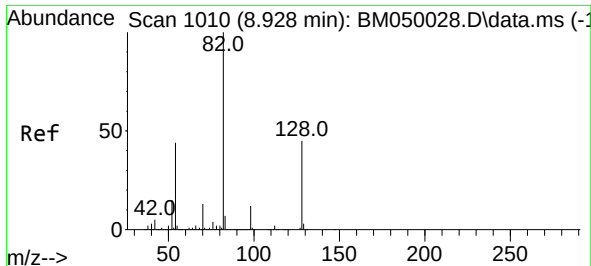
Tgt Ion: 99 Resp: 1487471
Ion Ratio Lower Upper
99 100
42 15.7 13.0 19.4
71 31.3 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BM050103.D
Acq: 05 May 2025 17:39

Tgt Ion: 136 Resp: 1052746
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.5 5.1 7.7
68 5.3 4.4 6.6

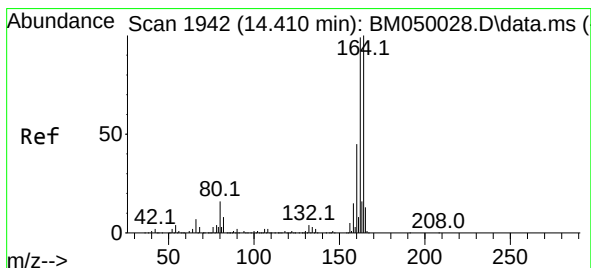
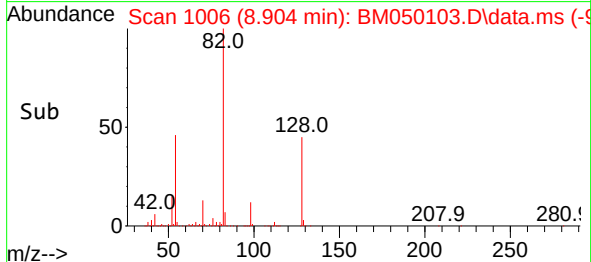
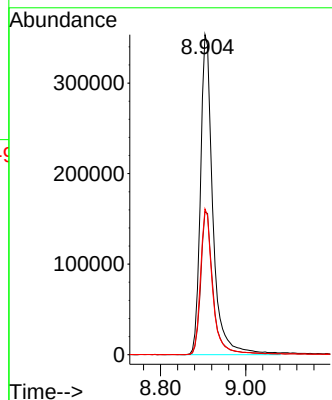
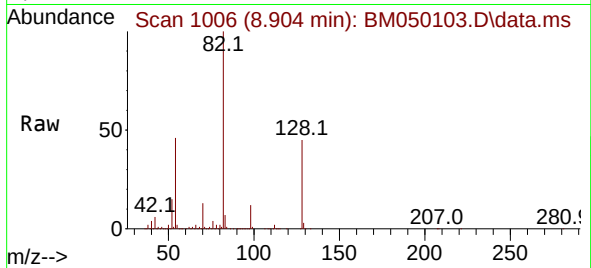




#23
Nitrobenzene-d5
Concen: 33.529 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.023 min
Lab File: BM050103.D
Acq: 05 May 2025 17:39

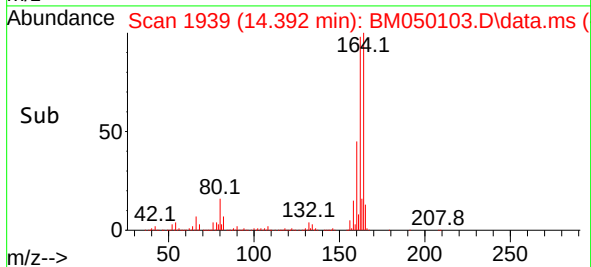
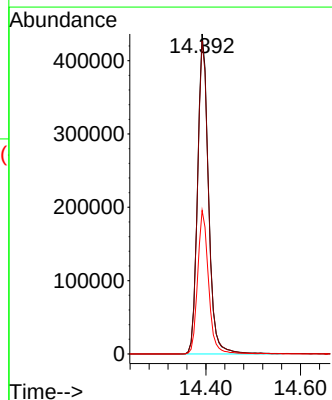
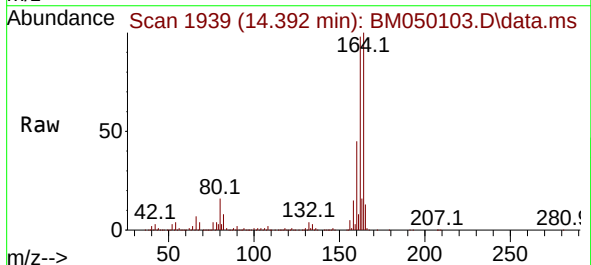
Instrument :
BNA_M
ClientSampleId :
MH-P

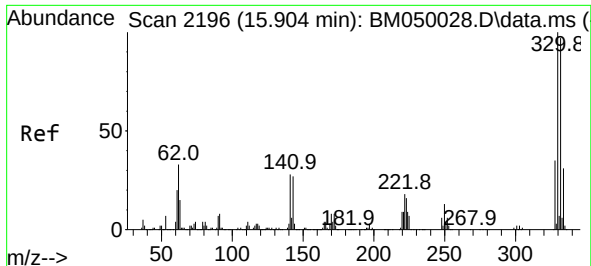
Tgt Ion: 82 Resp: 716309
Ion Ratio Lower Upper
82 100
128 44.7 35.7 53.5
54 45.6 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050103.D
Acq: 05 May 2025 17:39

Tgt Ion: 164 Resp: 696367
Ion Ratio Lower Upper
164 100
162 97.8 79.4 119.0
160 44.8 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 69.461 ng

RT: 15.892 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050103.D

Acq: 05 May 2025 17:39

Instrument :

BNA_M

ClientSampleId :

MH-P

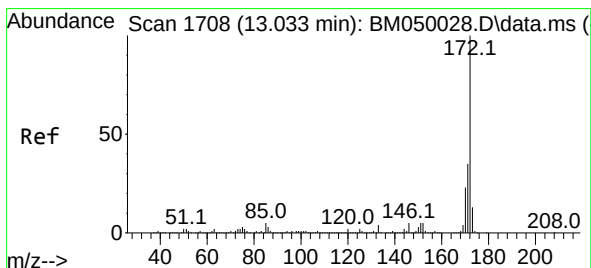
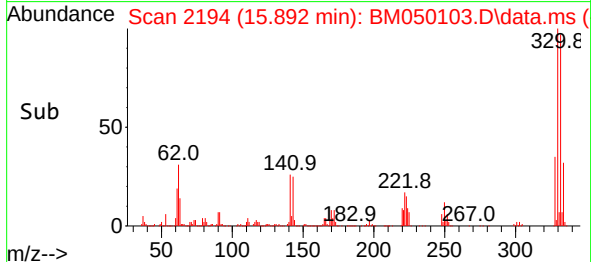
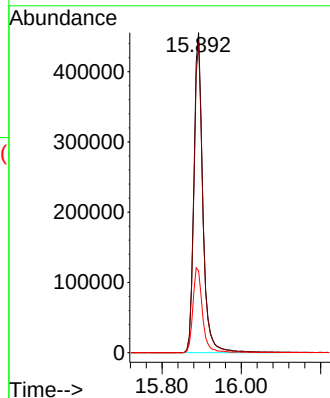
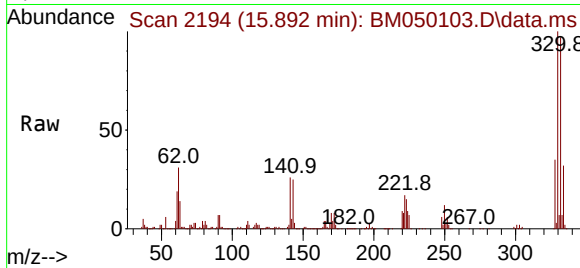
Tgt Ion:330 Resp: 715217

Ion Ratio Lower Upper

330 100

332 96.8 77.3 115.9

141 28.6 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 35.497 ng

RT: 13.010 min Scan# 1704

Delta R.T. -0.023 min

Lab File: BM050103.D

Acq: 05 May 2025 17:39

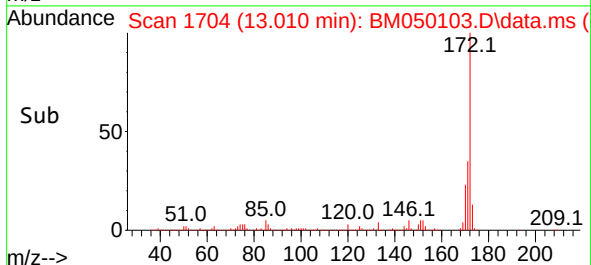
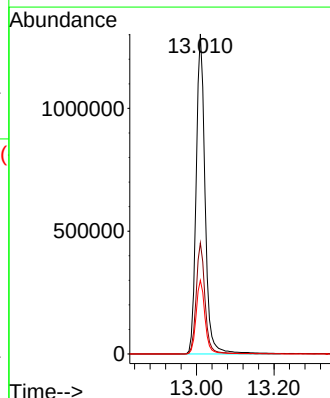
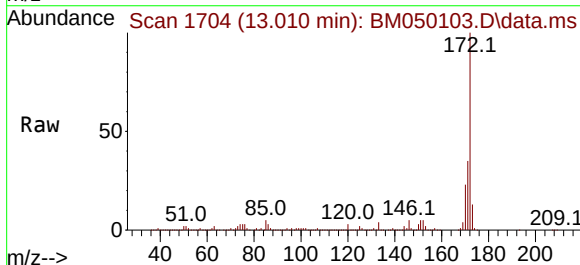
Tgt Ion:172 Resp: 2089517

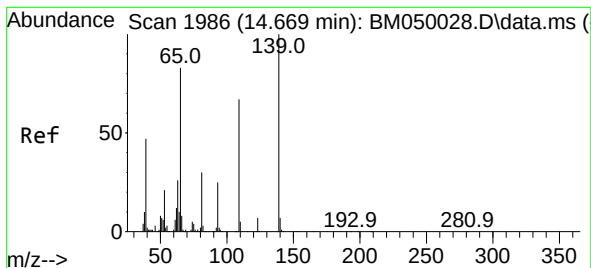
Ion Ratio Lower Upper

172 100

171 34.7 27.8 41.6

170 23.0 18.6 28.0

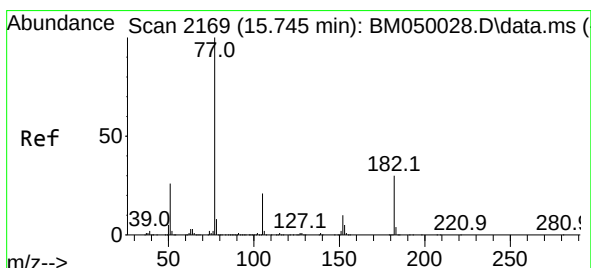
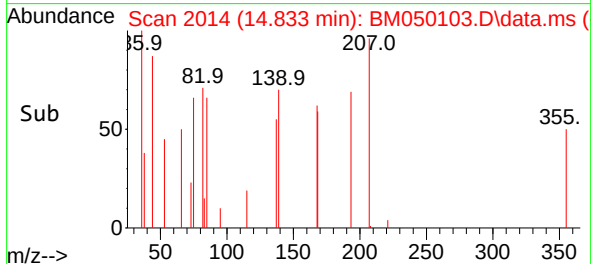
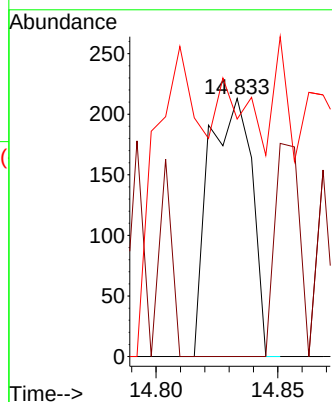
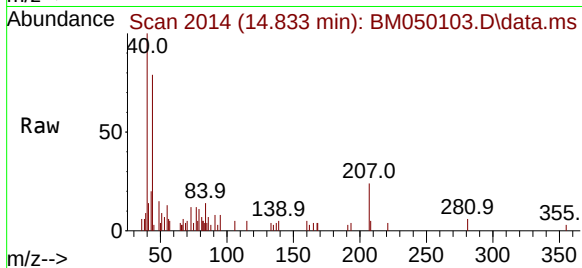




#56
4-Nitrophenol
Concen: 4.564 ng
RT: 14.833 min Scan# 20
Delta R.T. 0.164 min
Lab File: BM050103.D
Acq: 05 May 2025 17:39

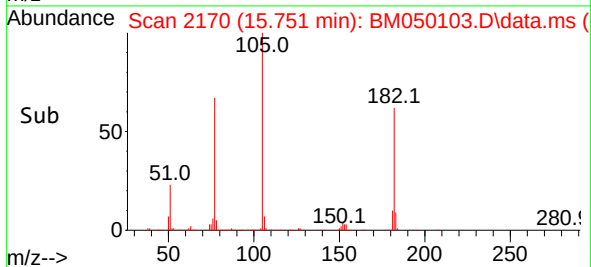
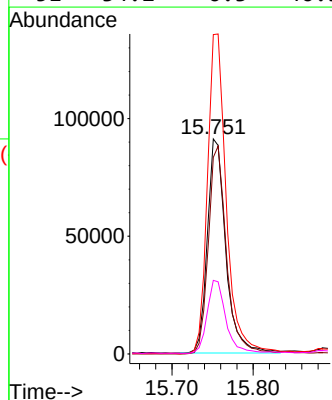
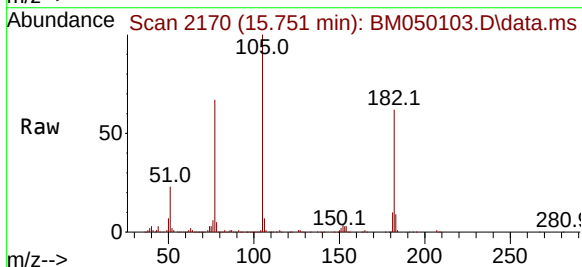
Instrument :
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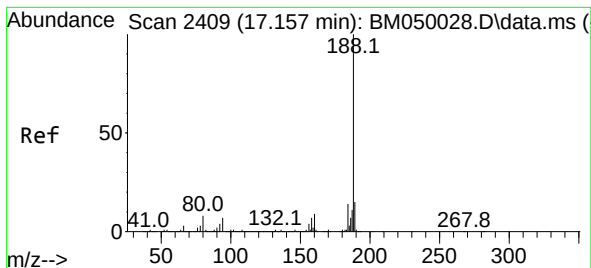
Tgt Ion:139 Resp: 262
Ion Ratio Lower Upper
139 100
109 0.0 47.0 87.0#
65 92.0 64.3 104.3



#63
Azobenzene
Concen: 3.567 ng
RT: 15.751 min Scan# 2170
Delta R.T. 0.006 min
Lab File: BM050103.D
Acq: 05 May 2025 17:39

Tgt Ion: 77 Resp: 143353
Ion Ratio Lower Upper
77 100
182 91.4 10.5 50.5#
105 148.5 1.1 41.1#
51 34.2 6.3 46.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.145 min Scan# 2409

Delta R.T. -0.012 min

Lab File: BM050103.D

Acq: 05 May 2025 17:39

Instrument :

BNA_M

ClientSampleId :

MH-P

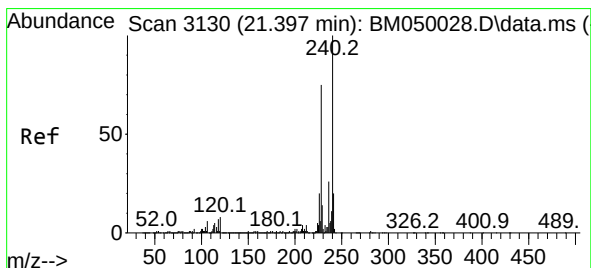
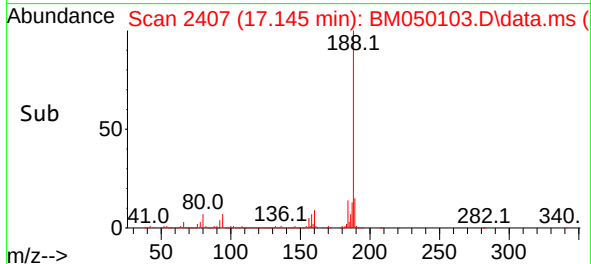
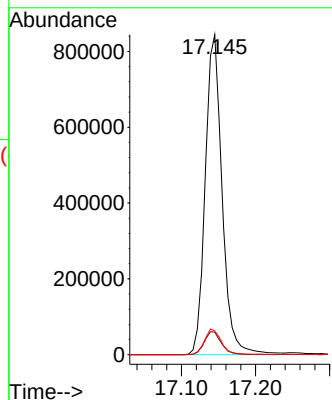
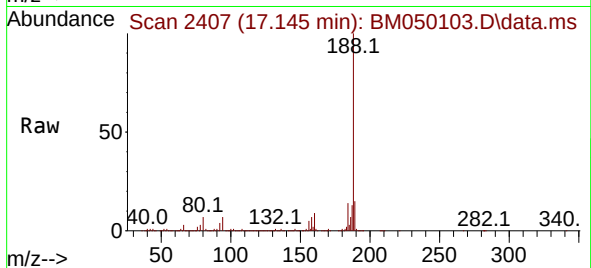
Tgt Ion:188 Resp: 1335253

Ion Ratio Lower Upper

188 100

94 7.1 5.7 8.5

80 7.4 6.2 9.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 3128

Delta R.T. -0.011 min

Lab File: BM050103.D

Acq: 05 May 2025 17:39

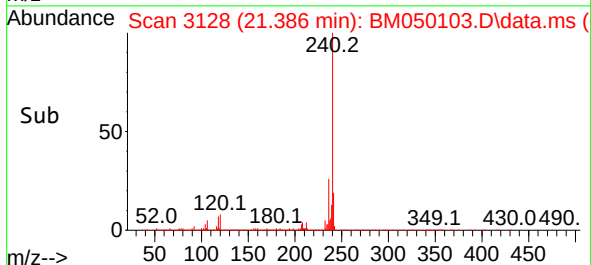
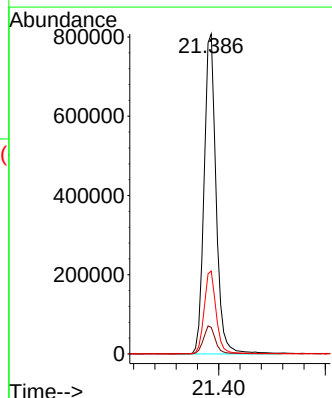
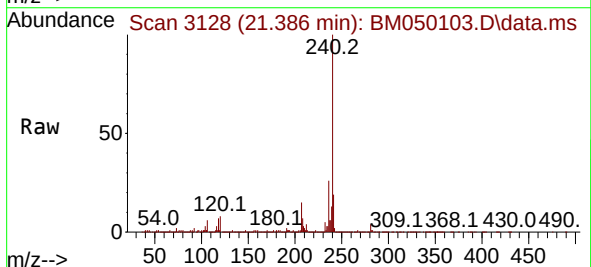
Tgt Ion:240 Resp: 1259236

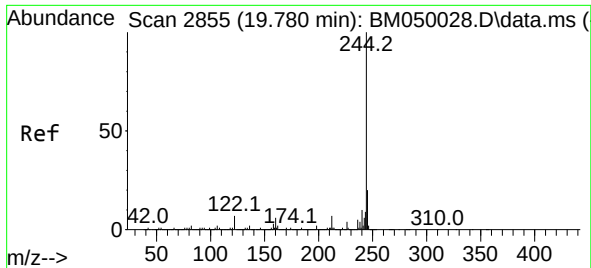
Ion Ratio Lower Upper

240 100

120 8.3 6.5 9.7

236 25.9 20.9 31.3

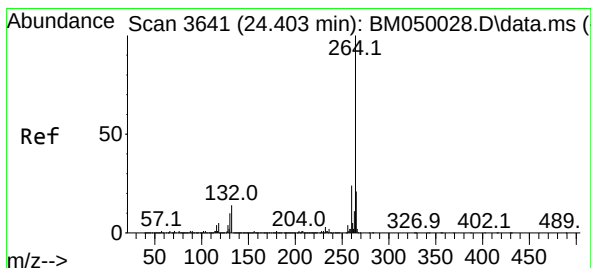
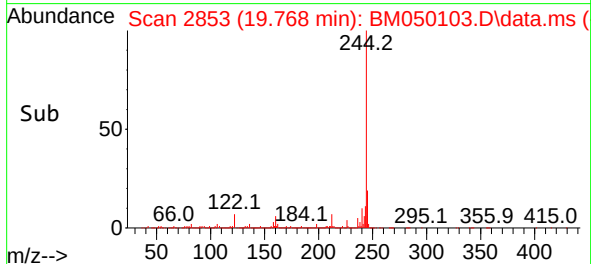
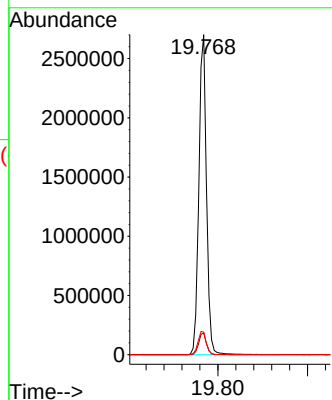
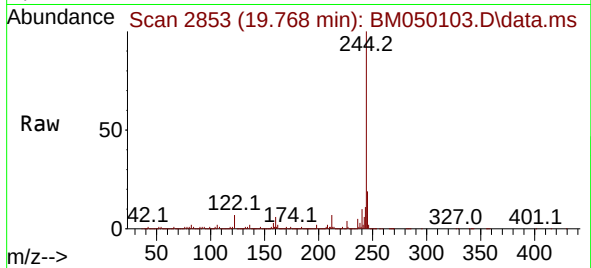




#79
 Terphenyl-d14
 Concen: 37.344 ng
 RT: 19.768 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050103.D
 Acq: 05 May 2025 17:39

Instrument :
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 ClientSampleId :
 MH-P

Tgt Ion:244 Resp: 3177881
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 7.1 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.374 min Scan# 3636
 Delta R.T. -0.029 min
 Lab File: BM050103.D
 Acq: 05 May 2025 17:39

Tgt Ion:264 Resp: 1285956
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.8 28.2
 265 22.6 17.0 25.4

