

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
 Data File : BM050118.D
 Acq On : 06 May 2025 14:02
 Operator : RC/JU
 Sample : Q1947-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MH-O

Quant Time: May 06 14:46:01 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)

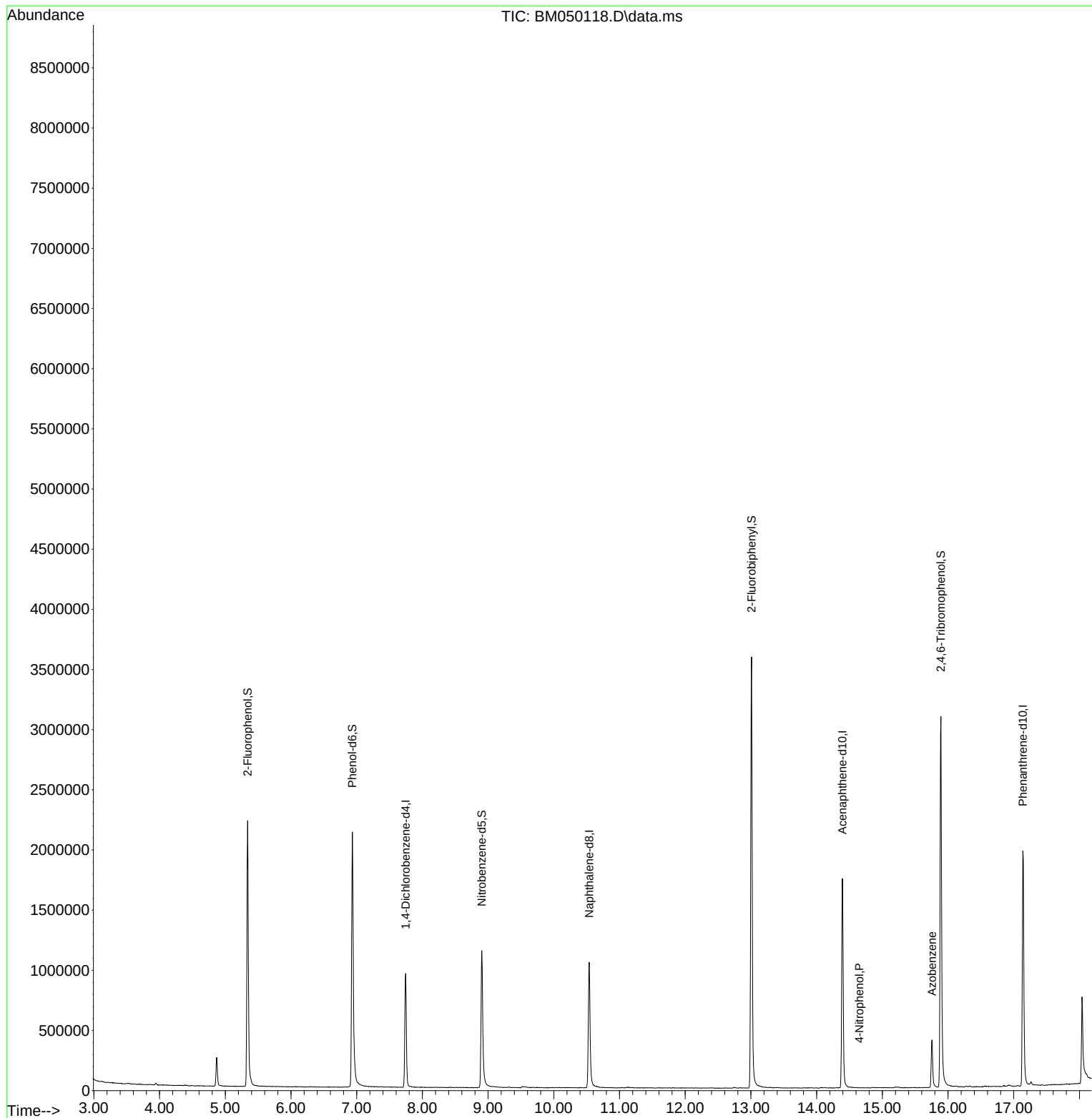
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	288817	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1038989	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	693484	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1366268	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1253585	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1285402	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1078146	65.367	ng	-0.02
7) Phenol-d6	6.934	99	1497314	72.228	ng	-0.02
23) Nitrobenzene-d5	8.904	82	797775	37.836	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	740645	72.229	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2176226	37.123	ng	-0.02
79) Terphenyl-d14	19.768	244	3463278	40.881	ng	-0.01
Target Compounds						
56) 4-Nitrophenol	14.651	139	61	4.541	ng	# 58
63) Azobenzene	15.757	77	126167	3.152	ng	# 1

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

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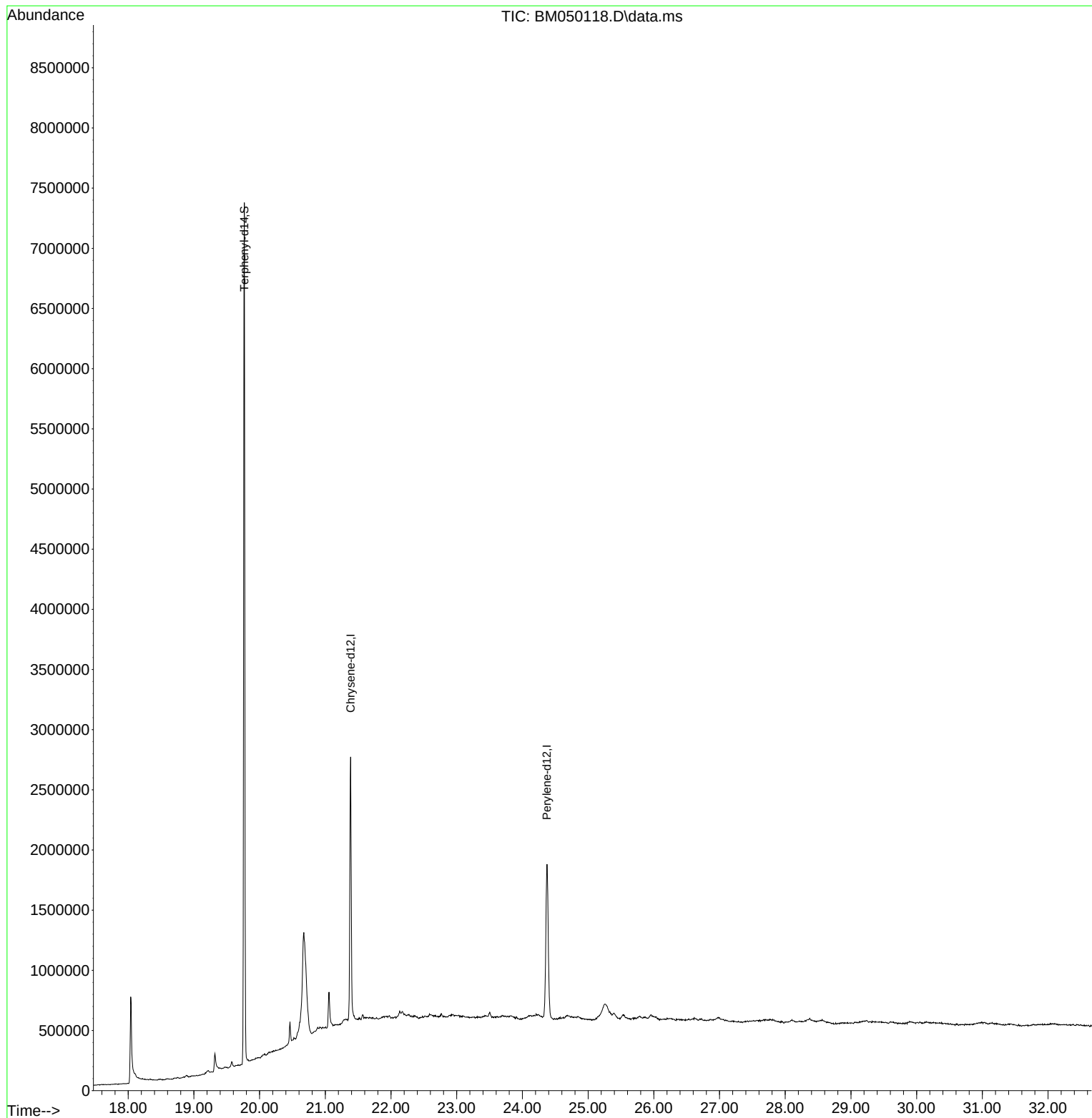
Quant Time: May 06 14:46:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
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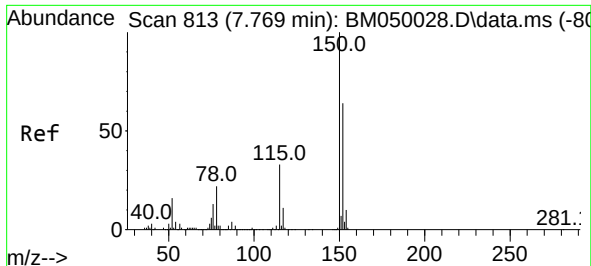


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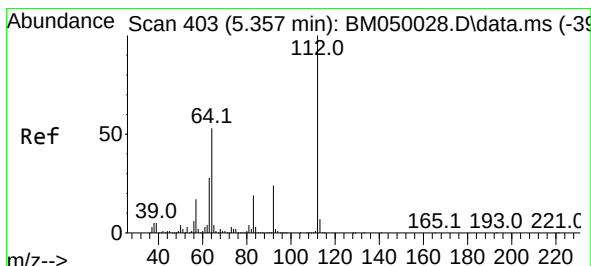
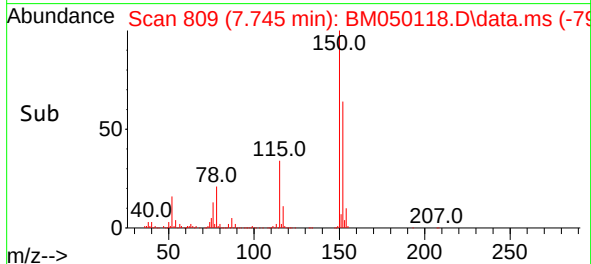
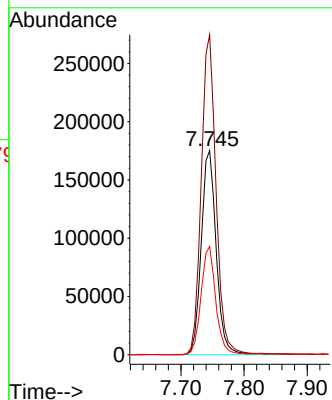
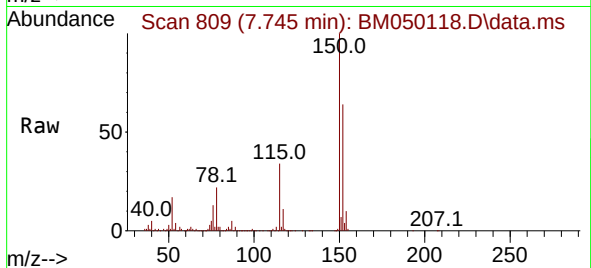




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050118.D
Acq: 06 May 2025 14:02

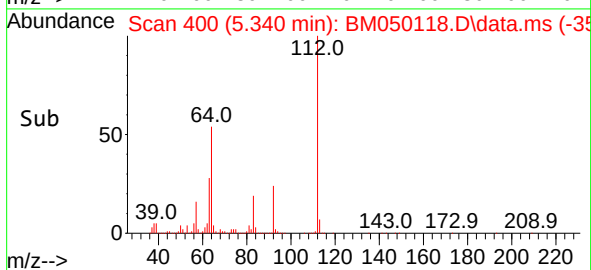
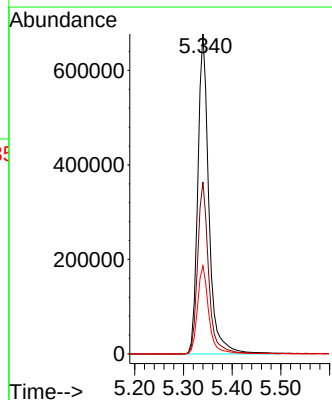
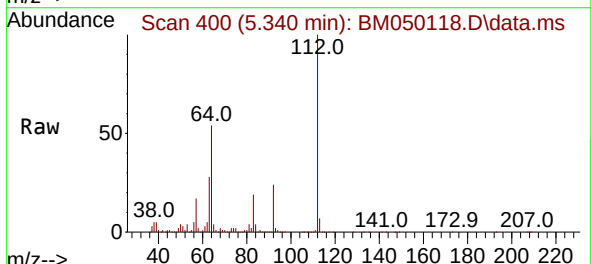
Instrument :
BNA_M
ClientSampleId :
MH-O

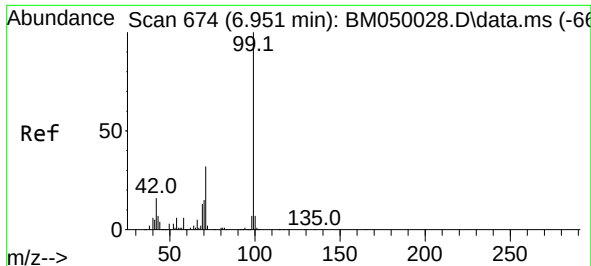
Tgt Ion:152 Resp: 288817
Ion Ratio Lower Upper
152 100
150 156.8 124.1 186.1
115 53.0 41.2 61.8



#5
2-Fluorophenol
Concen: 65.367 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050118.D
Acq: 06 May 2025 14:02

Tgt Ion:112 Resp: 1078146
Ion Ratio Lower Upper
112 100
64 53.7 42.6 64.0
63 27.6 22.2 33.4



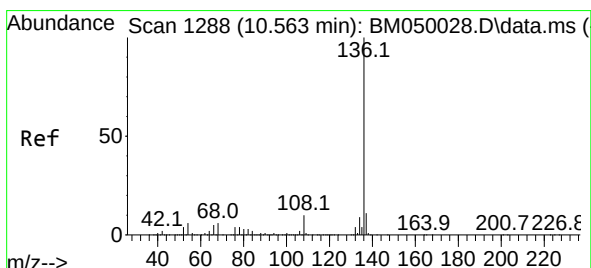
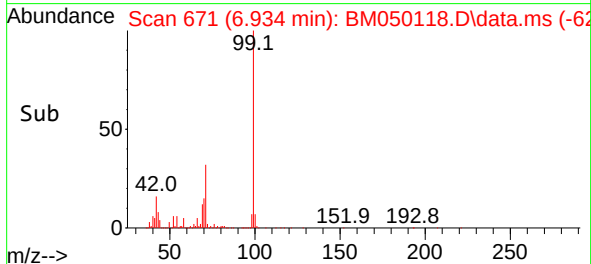
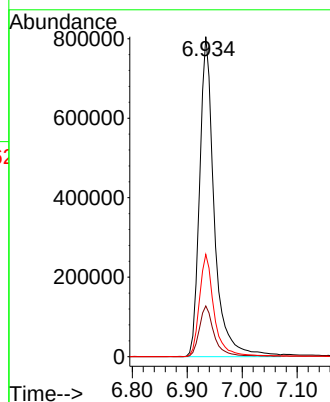
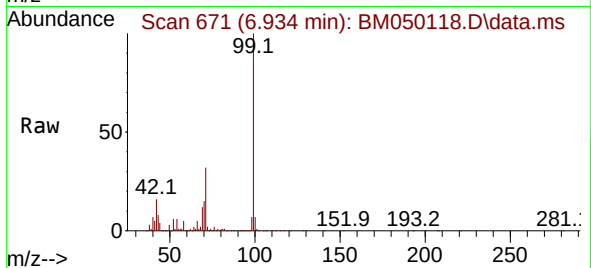


#7
Phenol-d6
Concen: 72.228 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050118.D
Acq: 06 May 2025 14:02

Instrument :
BNA_M
ClientSampleId :
MH-O

Tgt Ion: 99 Resp: 1497314

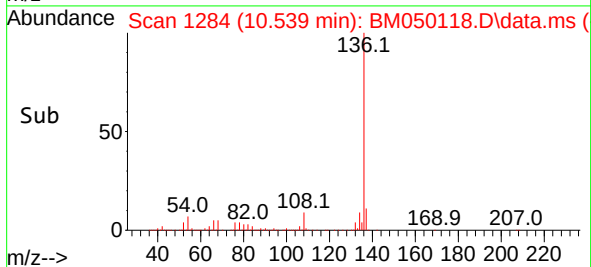
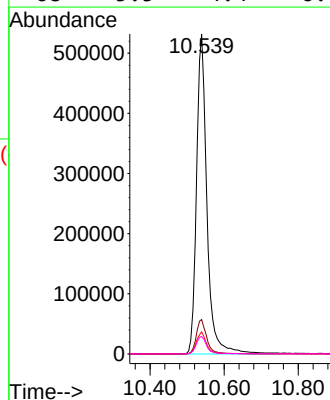
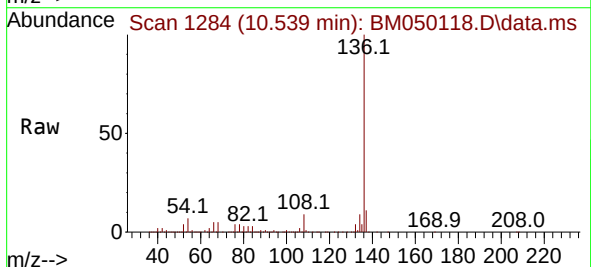
Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.0	19.4
71	31.9	25.6	38.4

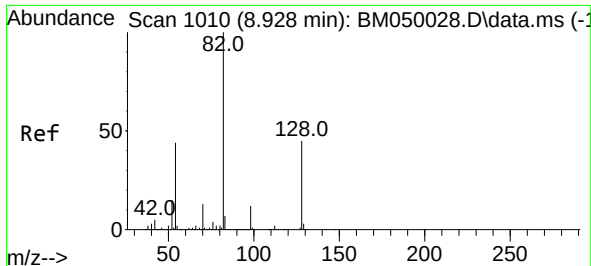


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050118.D
Acq: 06 May 2025 14:02

Tgt Ion: 136 Resp: 1038989

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.9	5.1	7.7
68	5.5	4.4	6.6

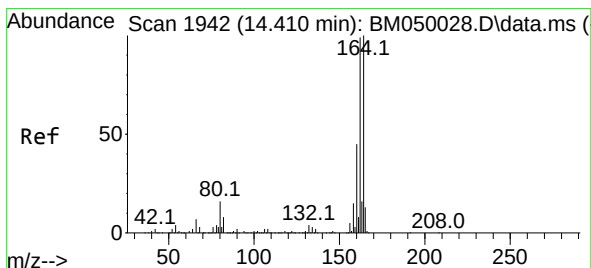
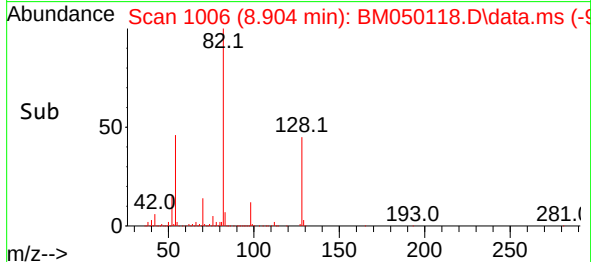
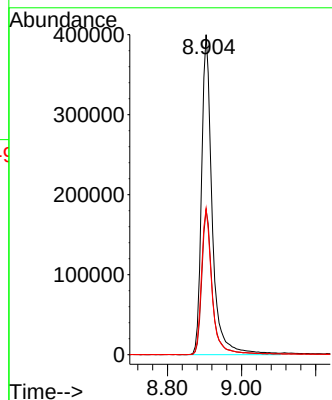
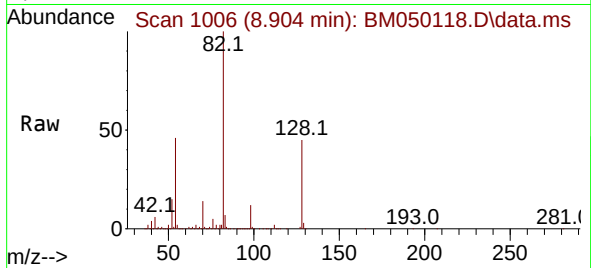




#23
 Nitrobenzene-d5
 Concen: 37.836 ng
 RT: 8.904 min Scan# 1006
 Delta R.T. -0.024 min
 Lab File: BM050118.D
 Acq: 06 May 2025 14:02

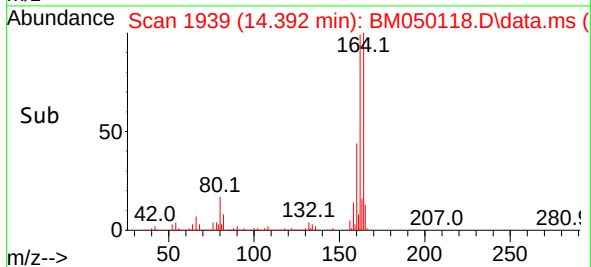
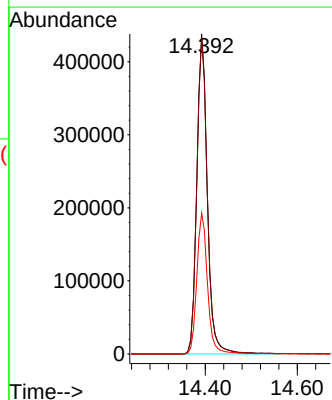
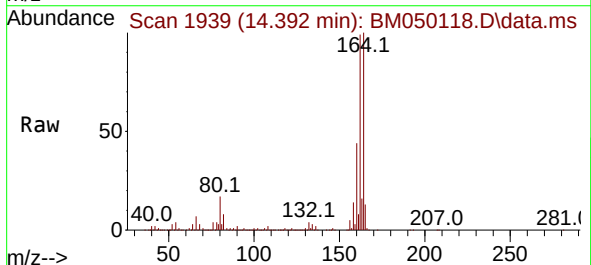
Instrument :
 BNA_M
 ClientSampleId :
 MH-O

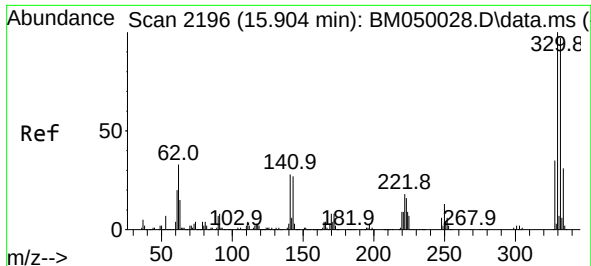
Tgt Ion: 82 Resp: 797775
 Ion Ratio Lower Upper
 82 100
 128 45.2 35.7 53.5
 54 45.6 35.4 53.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.392 min Scan# 1939
 Delta R.T. -0.018 min
 Lab File: BM050118.D
 Acq: 06 May 2025 14:02

Tgt Ion: 164 Resp: 693484
 Ion Ratio Lower Upper
 164 100
 162 98.8 79.4 119.0
 160 44.0 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 72.229 ng

RT: 15.892 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050118.D

Acq: 06 May 2025 14:02

Instrument :

BNA_M

ClientSampleId :

MH-O

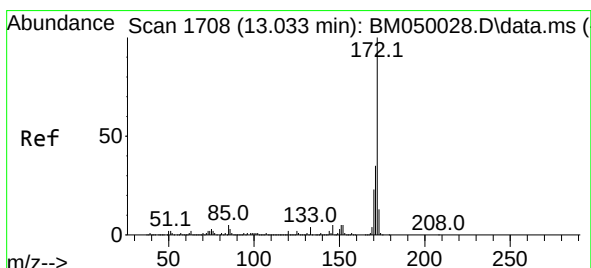
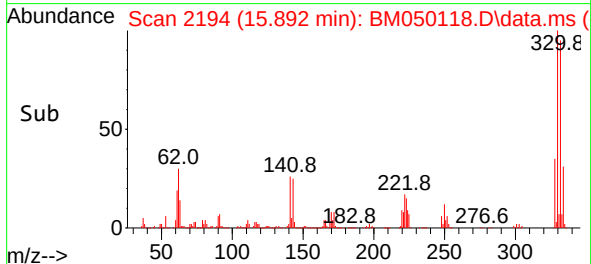
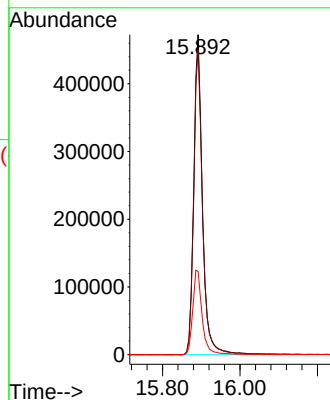
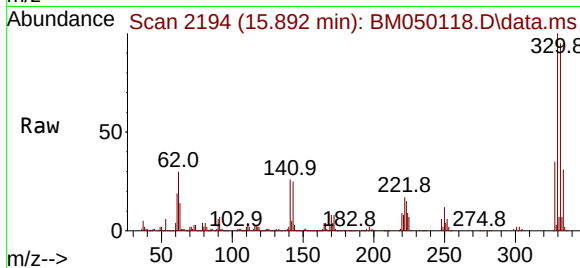
Tgt Ion:330 Resp: 740645

Ion Ratio Lower Upper

330 100

332 96.3 77.3 115.9

141 28.4 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 37.123 ng

RT: 13.010 min Scan# 1704

Delta R.T. -0.024 min

Lab File: BM050118.D

Acq: 06 May 2025 14:02

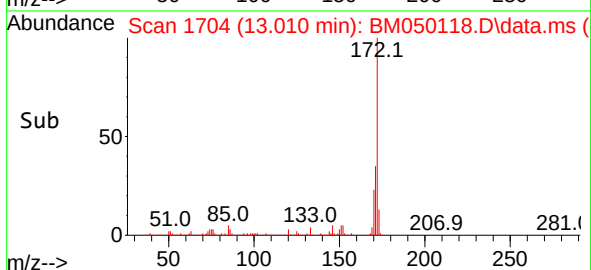
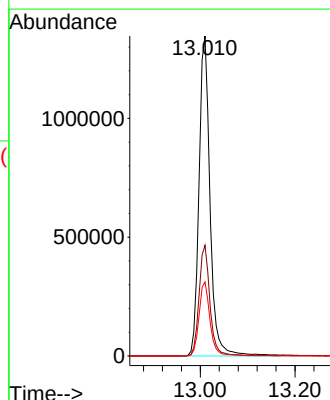
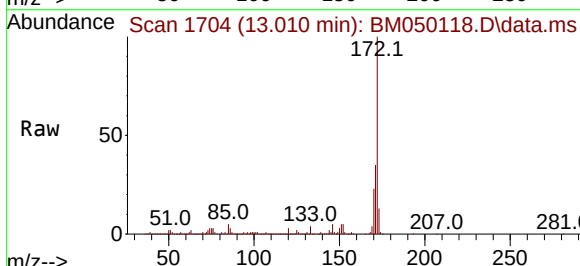
Tgt Ion:172 Resp: 2176226

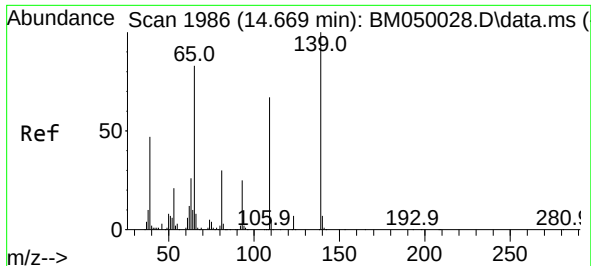
Ion Ratio Lower Upper

172 100

171 34.6 27.8 41.6

170 23.2 18.6 28.0

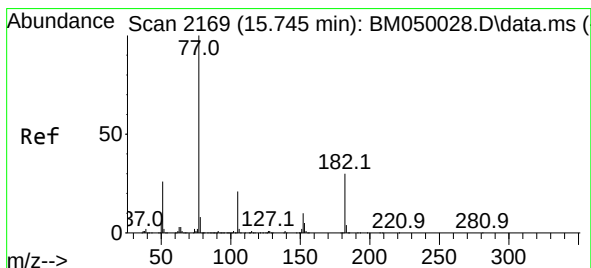
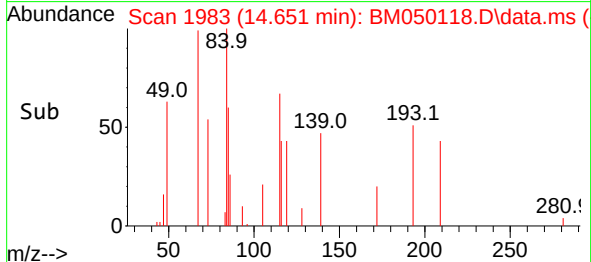
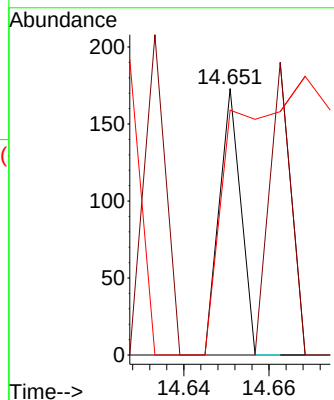
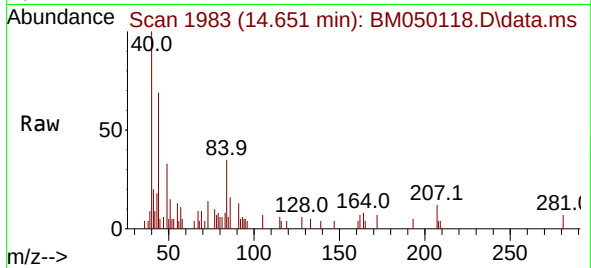




#56
4-Nitrophenol
Concen: 4.541 ng
RT: 14.651 min Scan# 1983
Delta R.T. -0.018 min
Lab File: BM050118.D
Acq: 06 May 2025 14:02

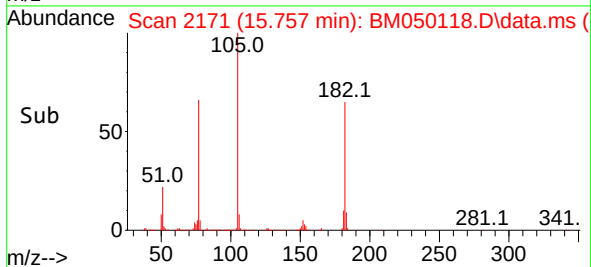
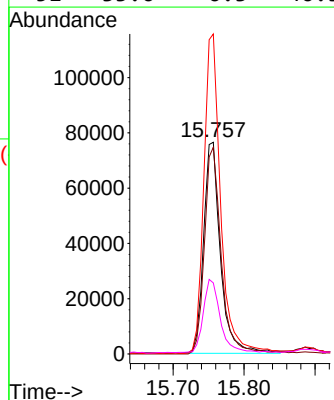
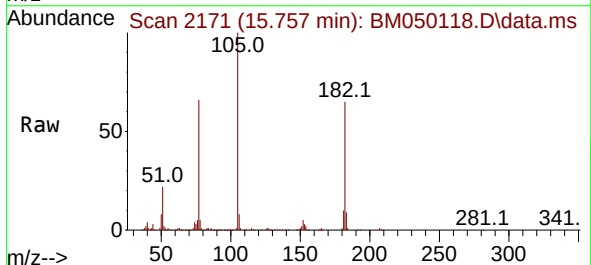
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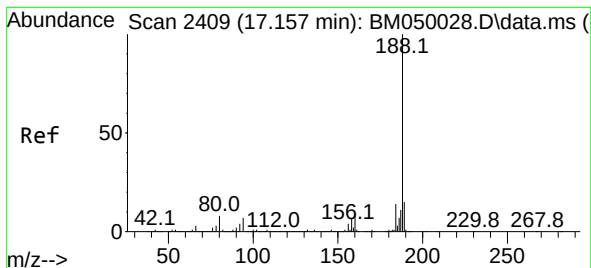
Tgt Ion:139 Resp: 61
Ion Ratio Lower Upper
139 100
109 0.0 47.0 87.0#
65 91.9 64.3 104.3



#63
Azobenzene
Concen: 3.152 ng
RT: 15.757 min Scan# 2171
Delta R.T. 0.012 min
Lab File: BM050118.D
Acq: 06 May 2025 14:02

Tgt Ion: 77 Resp: 126167
Ion Ratio Lower Upper
77 100
182 97.7 10.5 50.5#
105 151.2 1.1 41.1#
51 33.6 6.3 46.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.139 min Scan# 2409

Delta R.T. -0.018 min

Lab File: BM050118.D

Acq: 06 May 2025 14:02

Instrument :

BNA_M

ClientSampleId :

MH-O

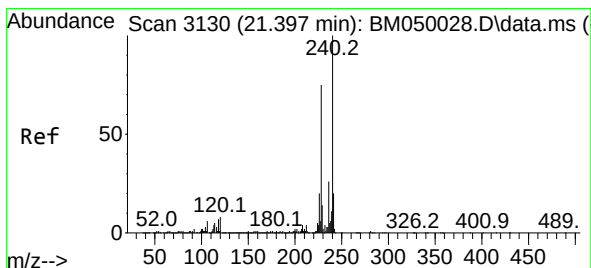
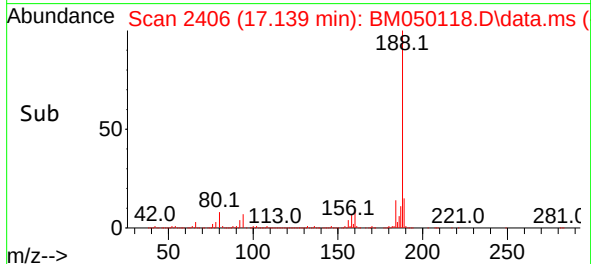
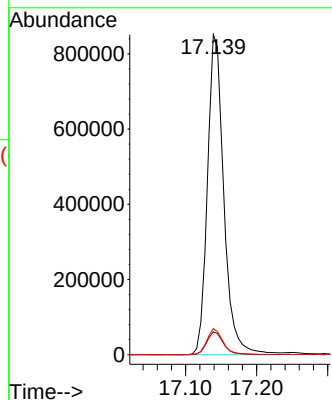
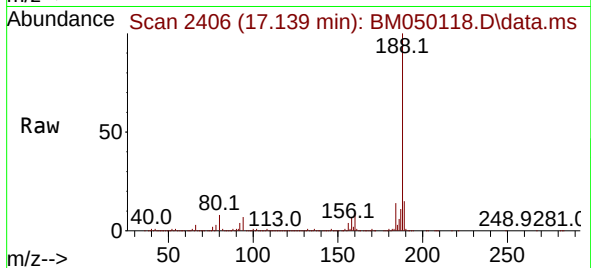
Tgt Ion:188 Resp: 1366268

Ion Ratio Lower Upper

188 100

94 7.1 5.7 8.5

80 8.2 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: BM050118.D

Acq: 06 May 2025 14:02

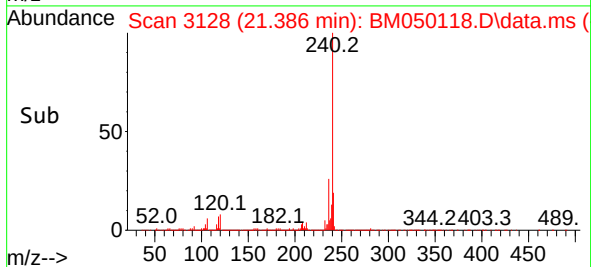
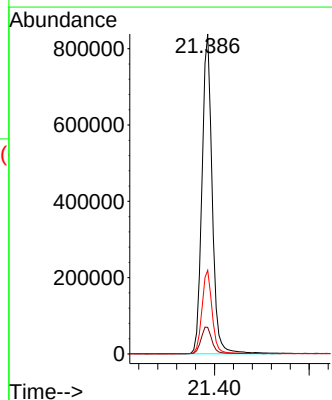
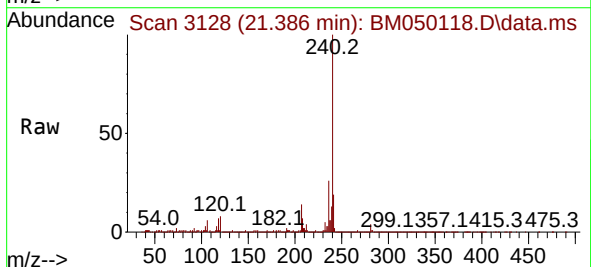
Tgt Ion:240 Resp: 1253585

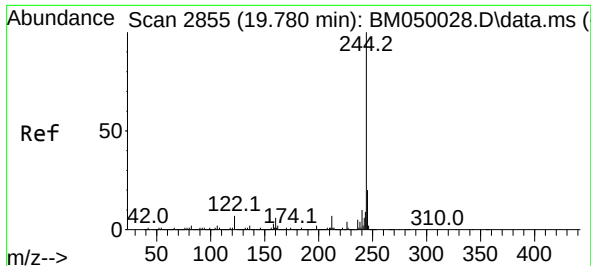
Ion Ratio Lower Upper

240 100

120 8.3 6.5 9.7

236 26.1 20.9 31.3

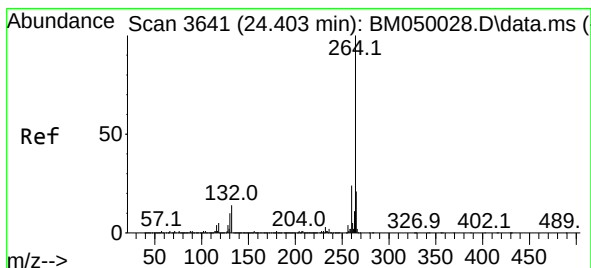
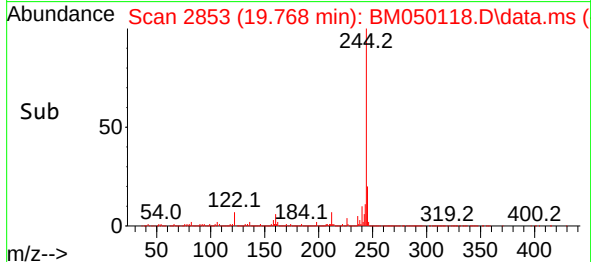
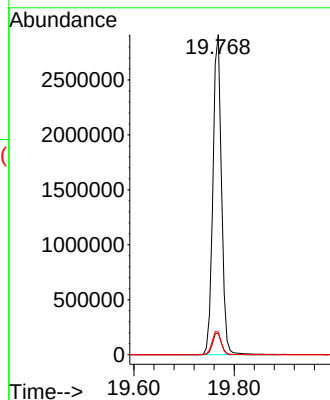
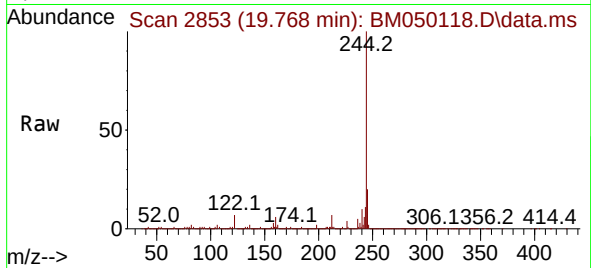




#79
 Terphenyl-d14
 Concen: 40.881 ng
 RT: 19.768 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050118.D
 Acq: 06 May 2025 14:02

Instrument :
 BNA_M
 ClientSampleId :
 MH-O

Tgt Ion:244 Resp: 3463278
 Ion Ratio Lower Upper
 244 100
 212 6.7 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: BM050118.D
 Acq: 06 May 2025 14:02

Tgt Ion:264 Resp: 1285402
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.8 28.2
 265 22.1 17.0 25.4

