

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
 Data File : BM050137.D
 Acq On : 07 May 2025 16:24
 Operator : RC/JU
 Sample : Q1945-01DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GB1WDL

Quant Time: May 07 17:05:14 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)

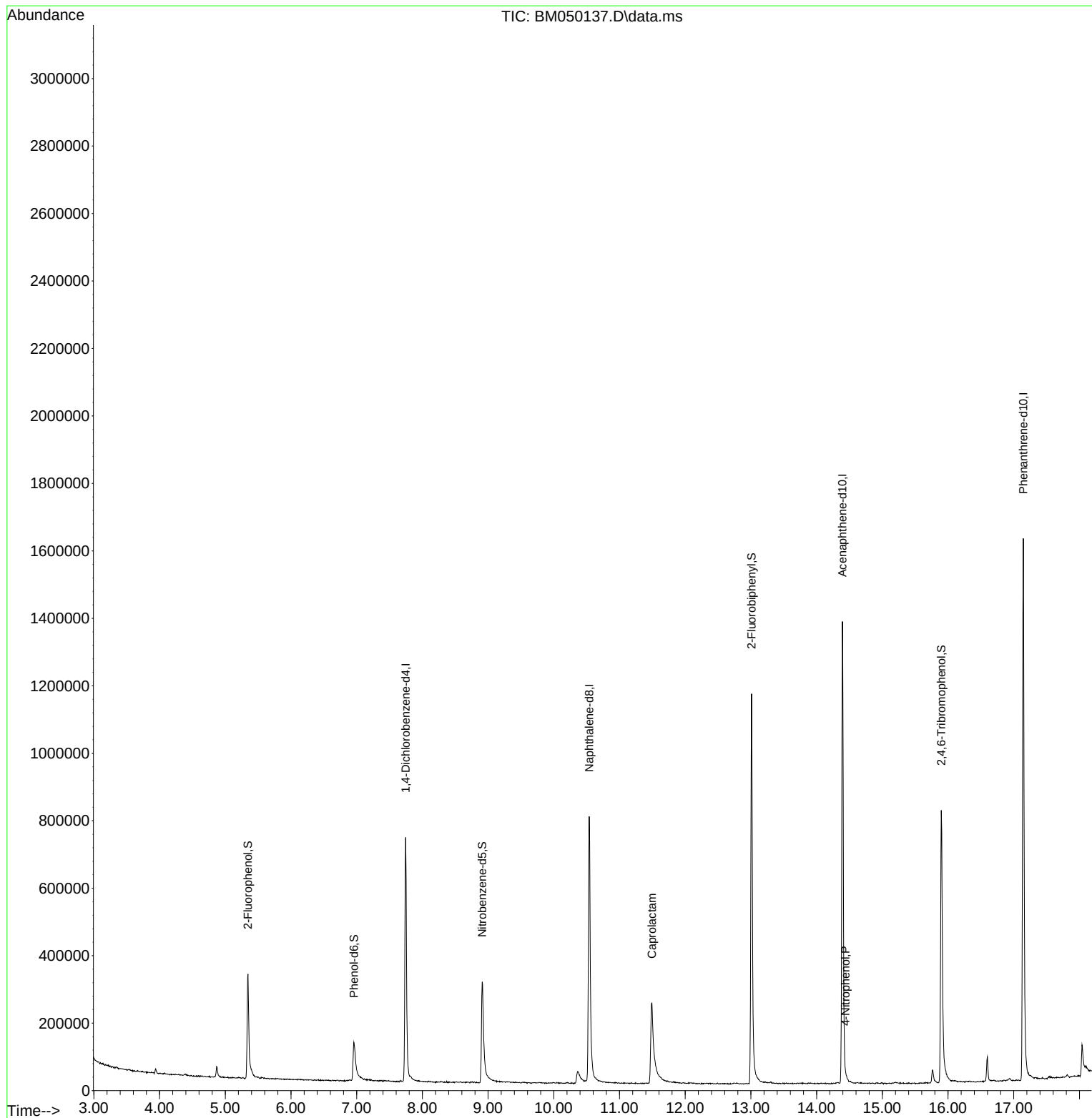
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.746	152	237908	20.000	ng	-0.02
21) Naphthalene-d8	10.540	136	833708	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	563306	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	1154973	20.000	ng	-0.01
76) Chrysene-d12	21.392	240	1121664	20.000	ng	0.00
86) Perylene-d12	24.386	264	1136201	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	193342	14.231	ng	-0.01
7) Phenol-d6	6.957	99	135739	7.949	ng	0.00
23) Nitrobenzene-d5	8.910	82	275583	16.288	ng	-0.02
42) 2,4,6-Tribromophenol	15.898	330	223621	26.848	ng	0.00
45) 2-Fluorobiphenyl	13.010	172	748052	15.710	ng	-0.02
79) Terphenyl-d14	19.768	244	1216066	16.043	ng	-0.01
Target Compounds						
35) Caprolactam	11.492	113	92186	22.770	ng	Qvalue 93
56) 4-Nitrophenol	14.439	139	61	4.542	ng	# 11

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

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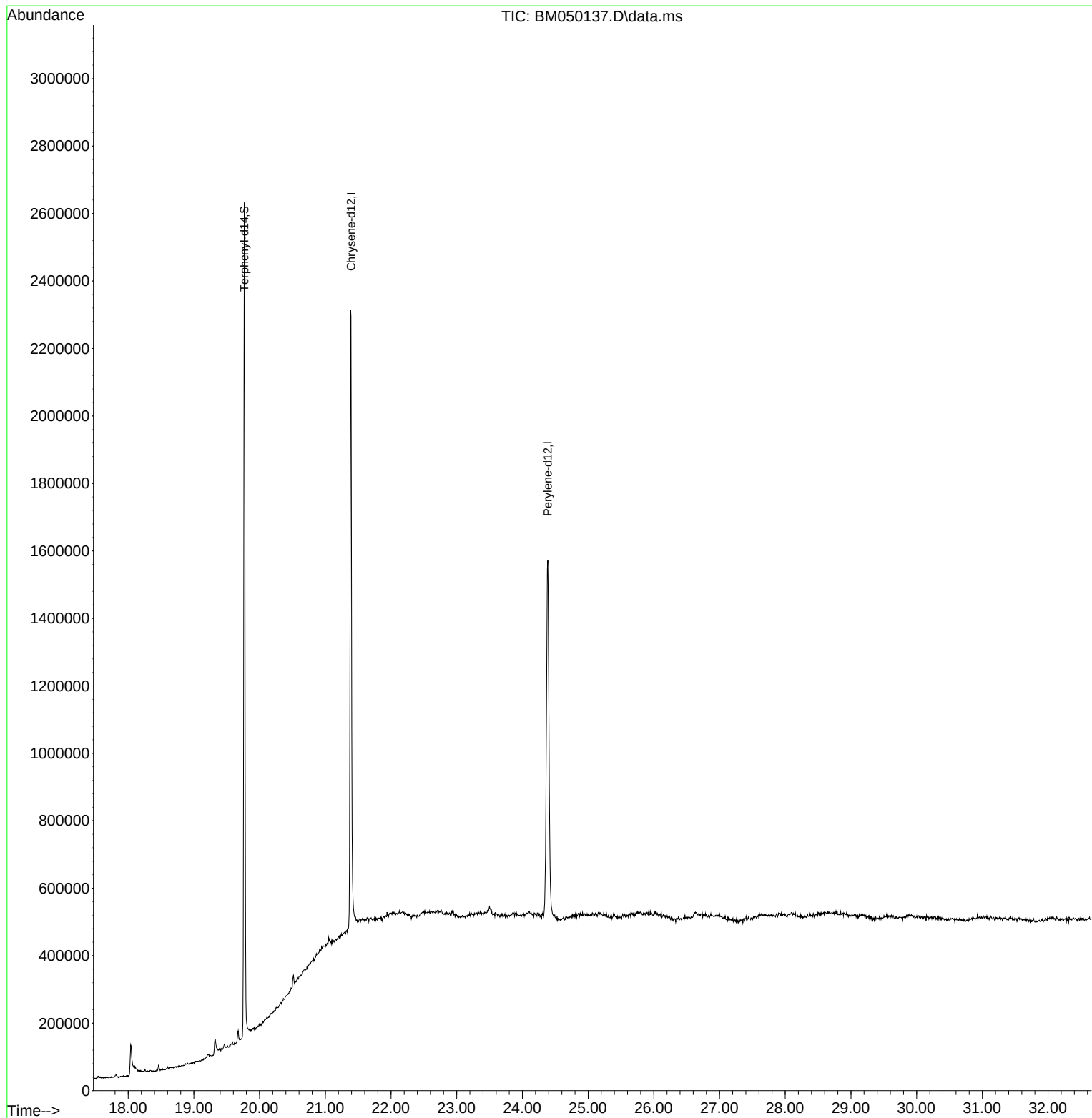
Quant Time: May 07 17:05:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
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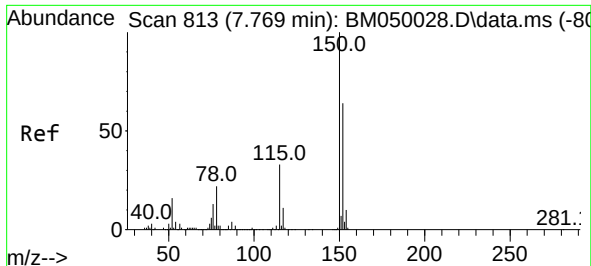


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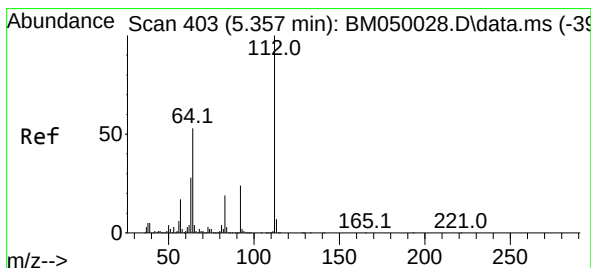
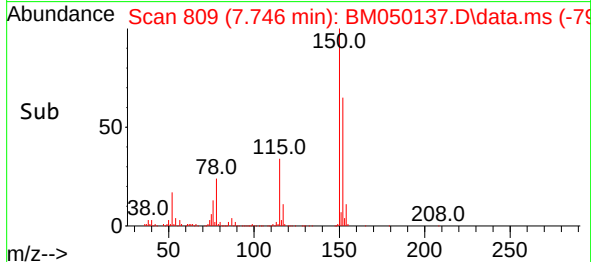
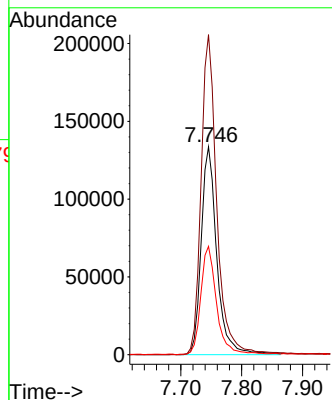
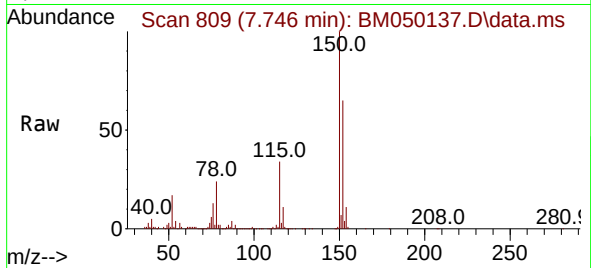




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.746 min Scan# 809
Delta R.T. -0.023 min
Lab File: BM050137.D
Acq: 07 May 2025 16:24

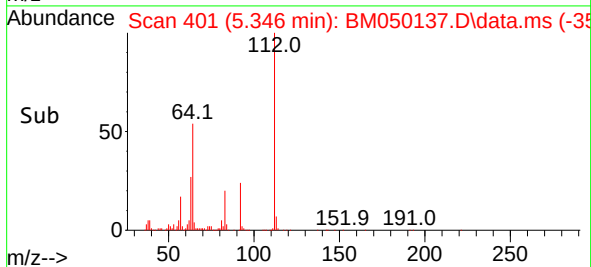
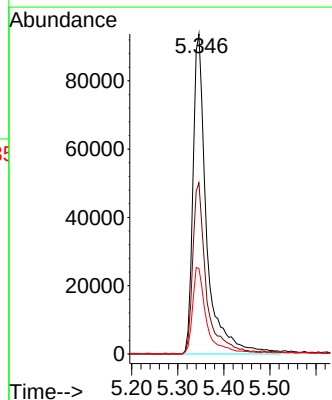
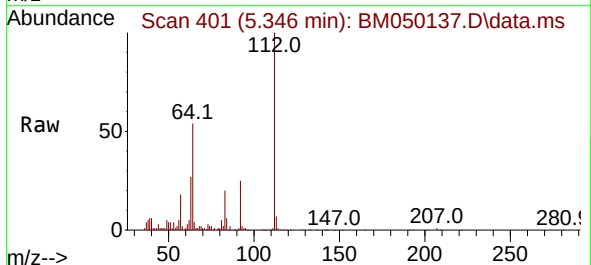
Instrument :
BNA_M
ClientSampleId :
GB1WDL

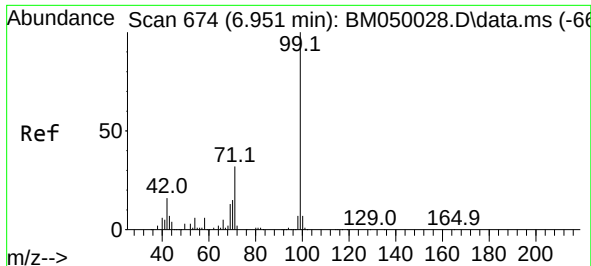
Tgt Ion:152 Resp: 237908
Ion Ratio Lower Upper
152 100
150 154.0 124.1 186.1
115 52.1 41.2 61.8



#5
2-Fluorophenol
Concen: 14.231 ng
RT: 5.346 min Scan# 401
Delta R.T. -0.012 min
Lab File: BM050137.D
Acq: 07 May 2025 16:24

Tgt Ion:112 Resp: 193342
Ion Ratio Lower Upper
112 100
64 53.5 42.6 64.0
63 26.7 22.2 33.4

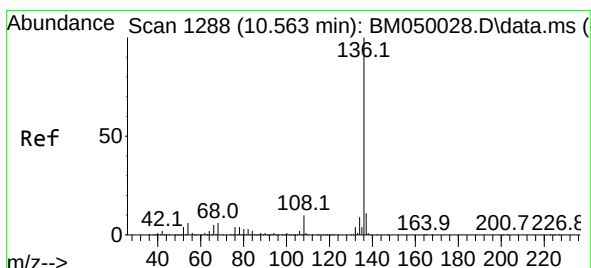
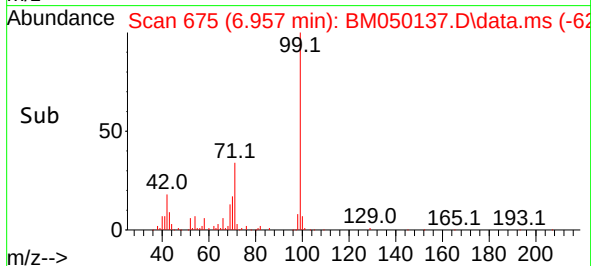
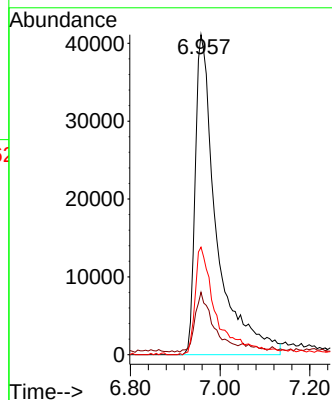
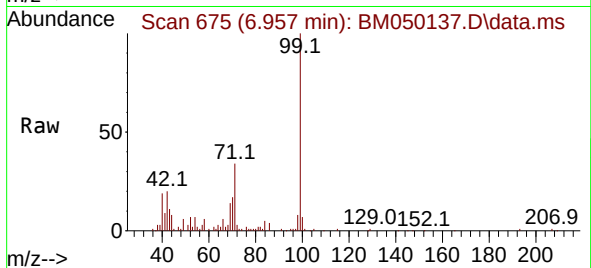




#7
Phenol-d6
Concen: 7.949 ng
RT: 6.957 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM050137.D
Acq: 07 May 2025 16:24

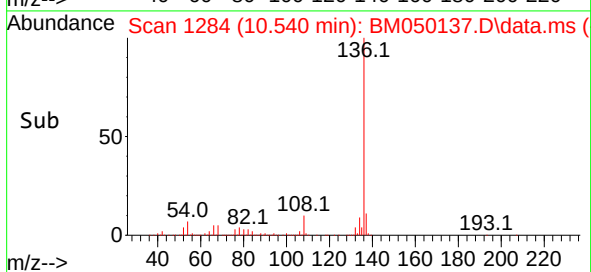
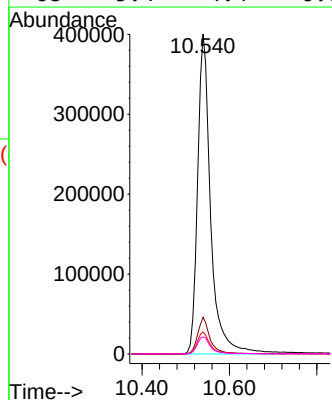
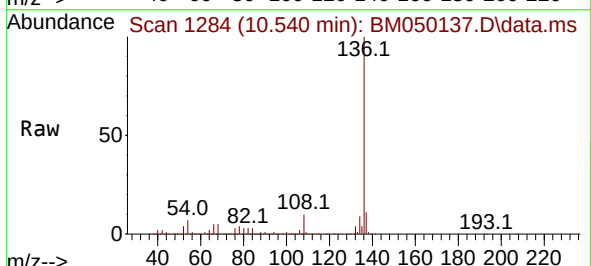
Instrument :
BNA_M
ClientSampleId :
GB1WDL

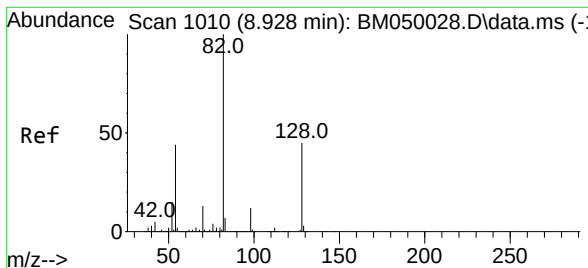
Tgt Ion: 99 Resp: 135739
Ion Ratio Lower Upper
99 100
42 19.5 13.0 19.4#
71 33.6 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BM050137.D
Acq: 07 May 2025 16:24

Tgt Ion: 136 Resp: 833708
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 6.8 5.1 7.7
68 5.4 4.4 6.6

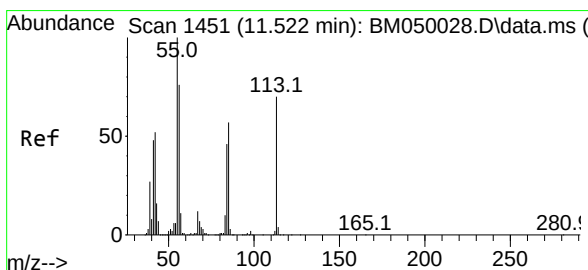
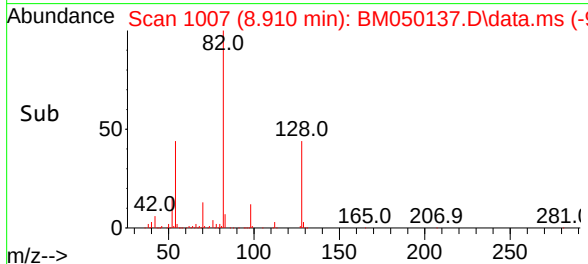
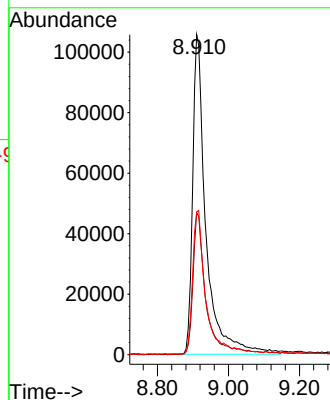
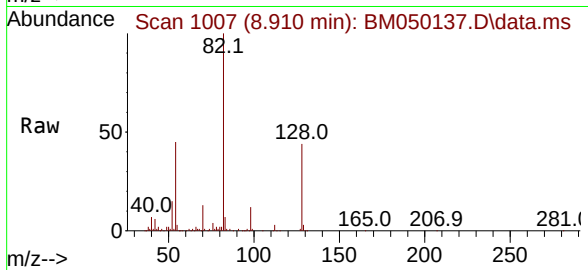




#23
Nitrobenzene-d5
Concen: 16.288 ng
RT: 8.910 min Scan# 1010
Delta R.T. -0.018 min
Lab File: BM050137.D
Acq: 07 May 2025 16:24

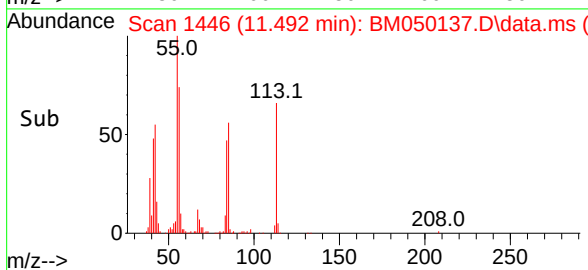
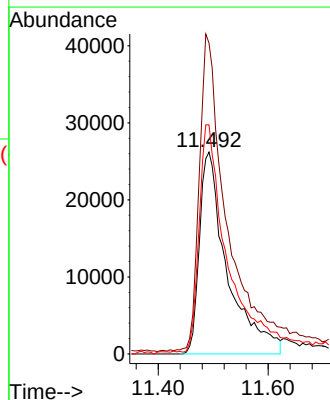
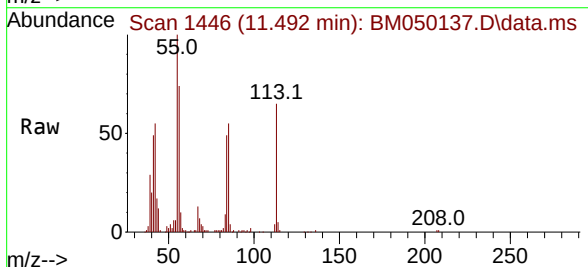
Instrument :
BNA_M
ClientSampleId :
GB1WDL

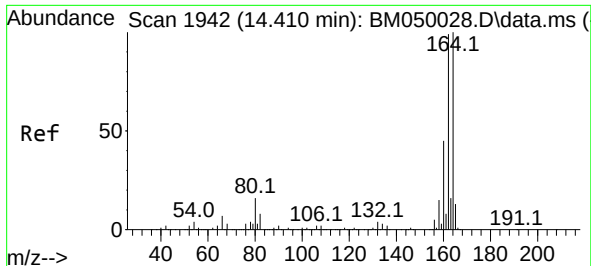
Tgt Ion: 82 Resp: 275583
Ion Ratio Lower Upper
82 100
128 44.4 35.7 53.5
54 44.6 35.4 53.2



#35
Caprolactam
Concen: 22.770 ng
RT: 11.492 min Scan# 1446
Delta R.T. -0.029 min
Lab File: BM050137.D
Acq: 07 May 2025 16:24

Tgt Ion: 113 Resp: 92186
Ion Ratio Lower Upper
113 100
55 153.9 122.9 162.9
56 113.5 88.1 128.1

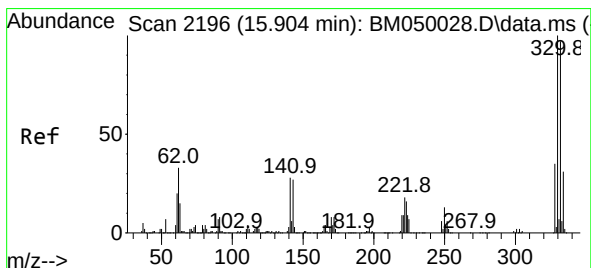
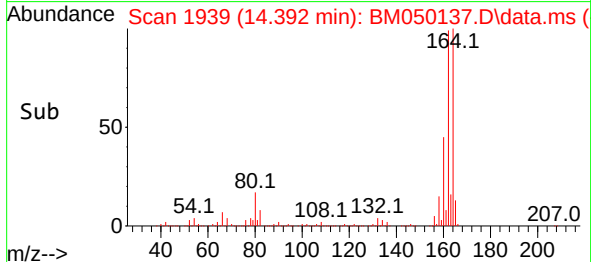
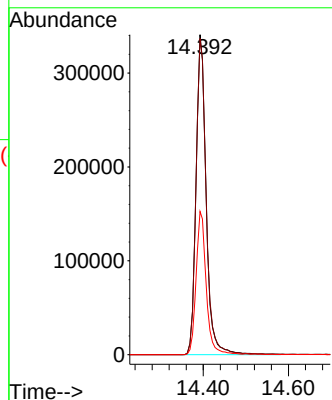
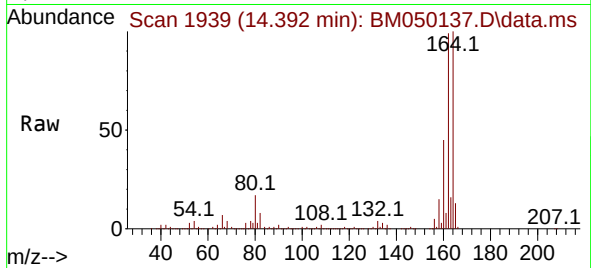




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050137.D
Acq: 07 May 2025 16:24

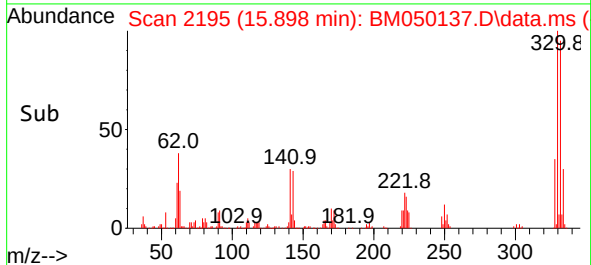
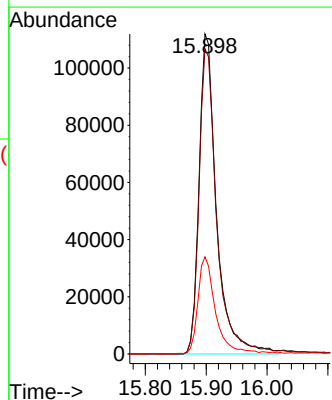
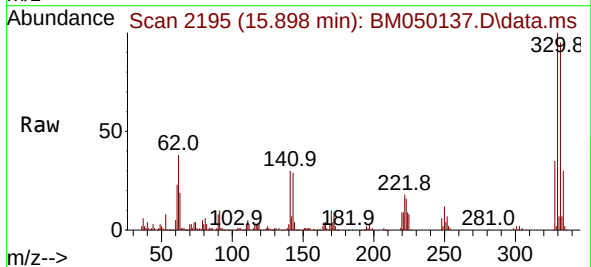
Instrument :
BNA_M
ClientSampleId :
GB1WDL

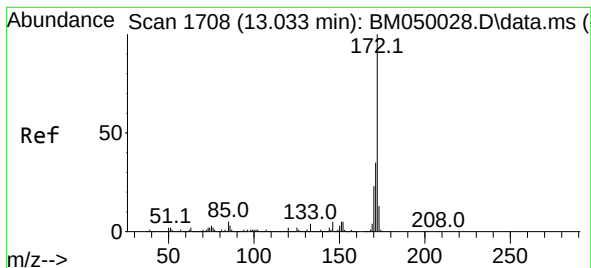
Tgt Ion:164 Resp: 563306
Ion Ratio Lower Upper
164 100
162 98.9 79.4 119.0
160 44.8 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 26.848 ng
RT: 15.898 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM050137.D
Acq: 07 May 2025 16:24

Tgt Ion:330 Resp: 223621
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 31.1 22.5 33.7





#45

2-Fluorobiphenyl

Concen: 15.710 ng

RT: 13.010 min Scan# 1

Delta R.T. -0.023 min

Lab File: BM050137.D

Acq: 07 May 2025 16:24

Instrument :

BNA_M

ClientSampleId :

GB1WDL

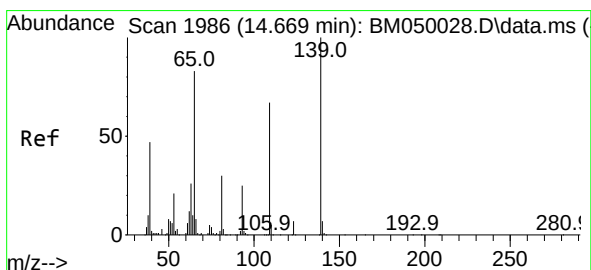
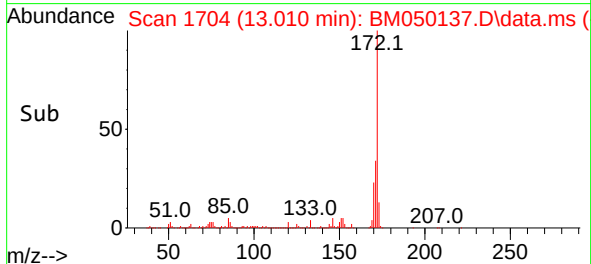
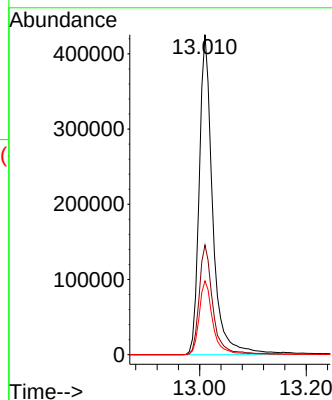
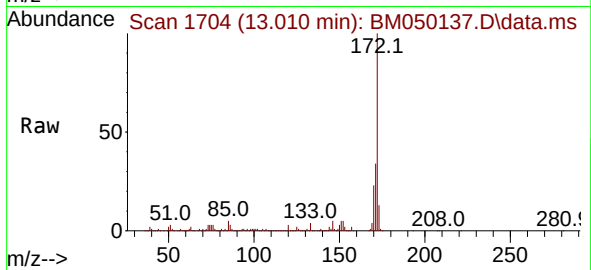
Tgt Ion:172 Resp: 748052

Ion Ratio Lower Upper

172 100

171 34.2 27.8 41.6

170 23.0 18.6 28.0



#56

4-Nitrophenol

Concen: 4.542 ng

RT: 14.439 min Scan# 1947

Delta R.T. -0.230 min

Lab File: BM050137.D

Acq: 07 May 2025 16:24

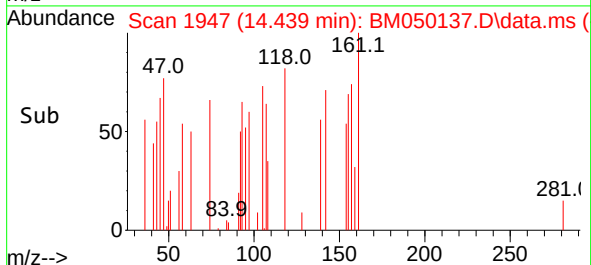
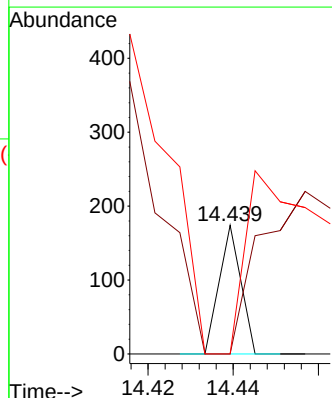
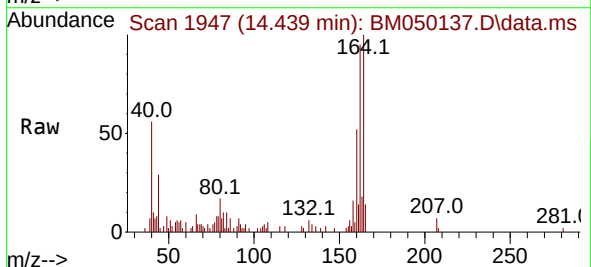
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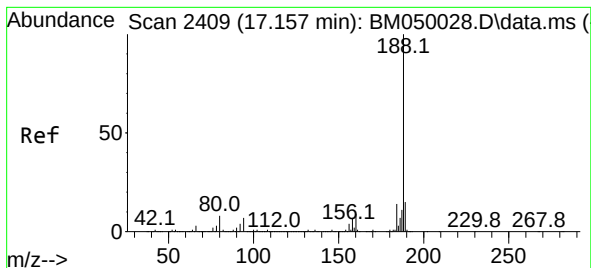
Ion Ratio Lower Upper

139 100

109 0.0 47.0 87.0#

65 0.0 64.3 104.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.145 min Scan# 2409

Delta R.T. -0.012 min

Lab File: BM050137.D

Acq: 07 May 2025 16:24

Instrument :

BNA_M

ClientSampleId :

GB1WDL

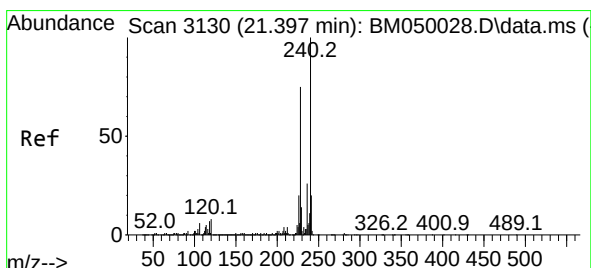
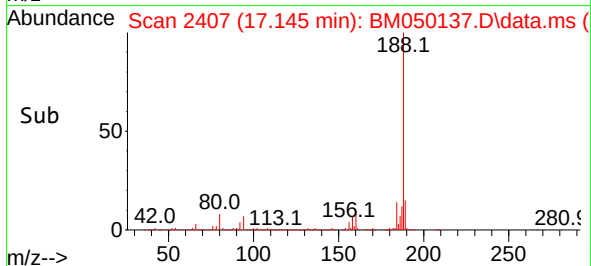
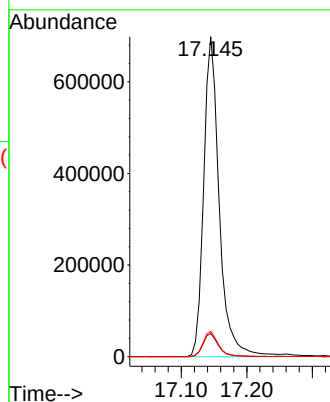
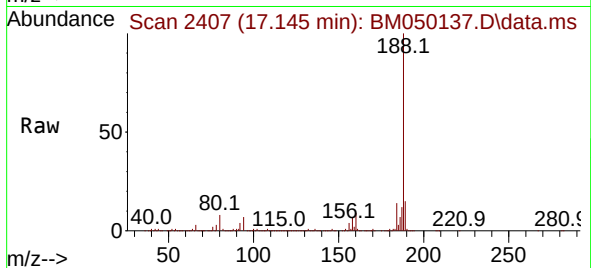
Tgt Ion:188 Resp: 1154973

Ion Ratio Lower Upper

188 100

94 7.2 5.7 8.5

80 7.9 6.2 9.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.392 min Scan# 3129

Delta R.T. -0.005 min

Lab File: BM050137.D

Acq: 07 May 2025 16:24

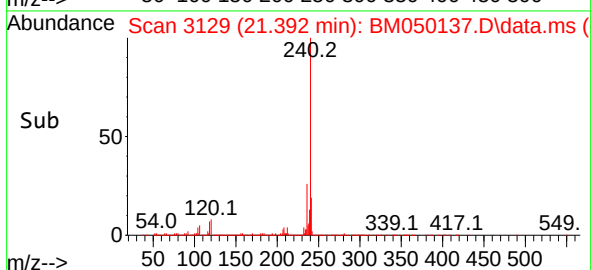
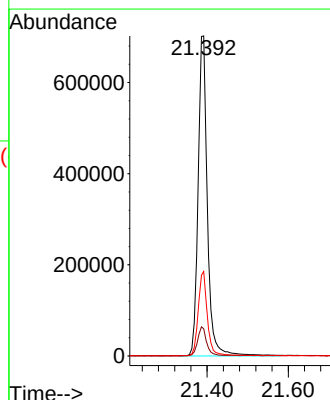
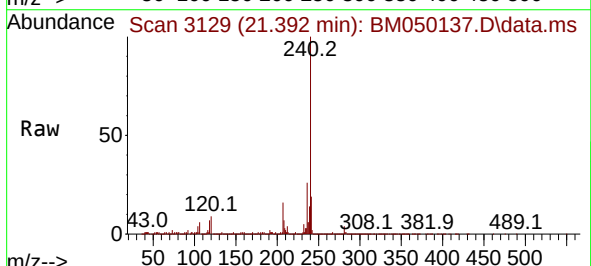
Tgt Ion:240 Resp: 1121664

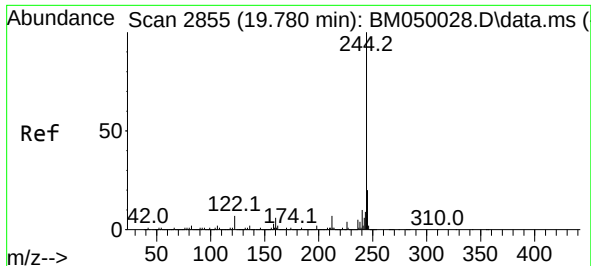
Ion Ratio Lower Upper

240 100

120 8.5 6.5 9.7

236 26.4 20.9 31.3

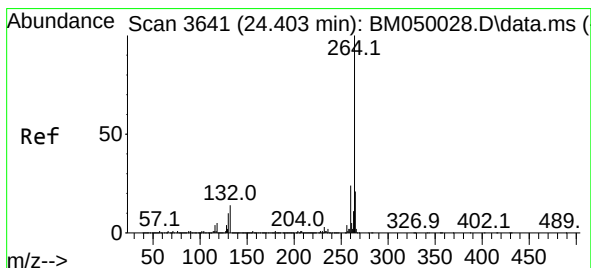
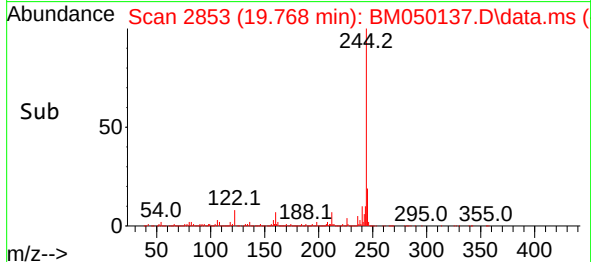
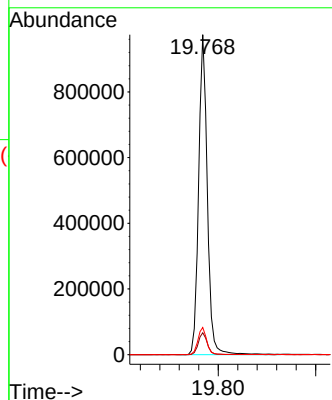
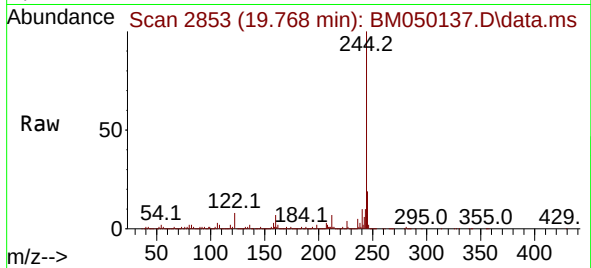




#79
 Terphenyl-d14
 Concen: 16.043 ng
 RT: 19.768 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050137.D
 Acq: 07 May 2025 16:24

Instrument :
 BNA_M
 ClientSampleId :
 GB1WDL

Tgt Ion:244 Resp: 1216066
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 8.5 5.6 8.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.386 min Scan# 3638
 Delta R.T. -0.018 min
 Lab File: BM050137.D
 Acq: 07 May 2025 16:24

Tgt Ion:264 Resp: 1136201
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.8 28.2
 265 21.7 17.0 25.4

