

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
 Data File : BM050012.D
 Acq On : 23 Apr 2025 13:58
 Operator : RC/JU
 Sample : Q1852-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 72-12013

Quant Time: Apr 23 14:44:46 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)

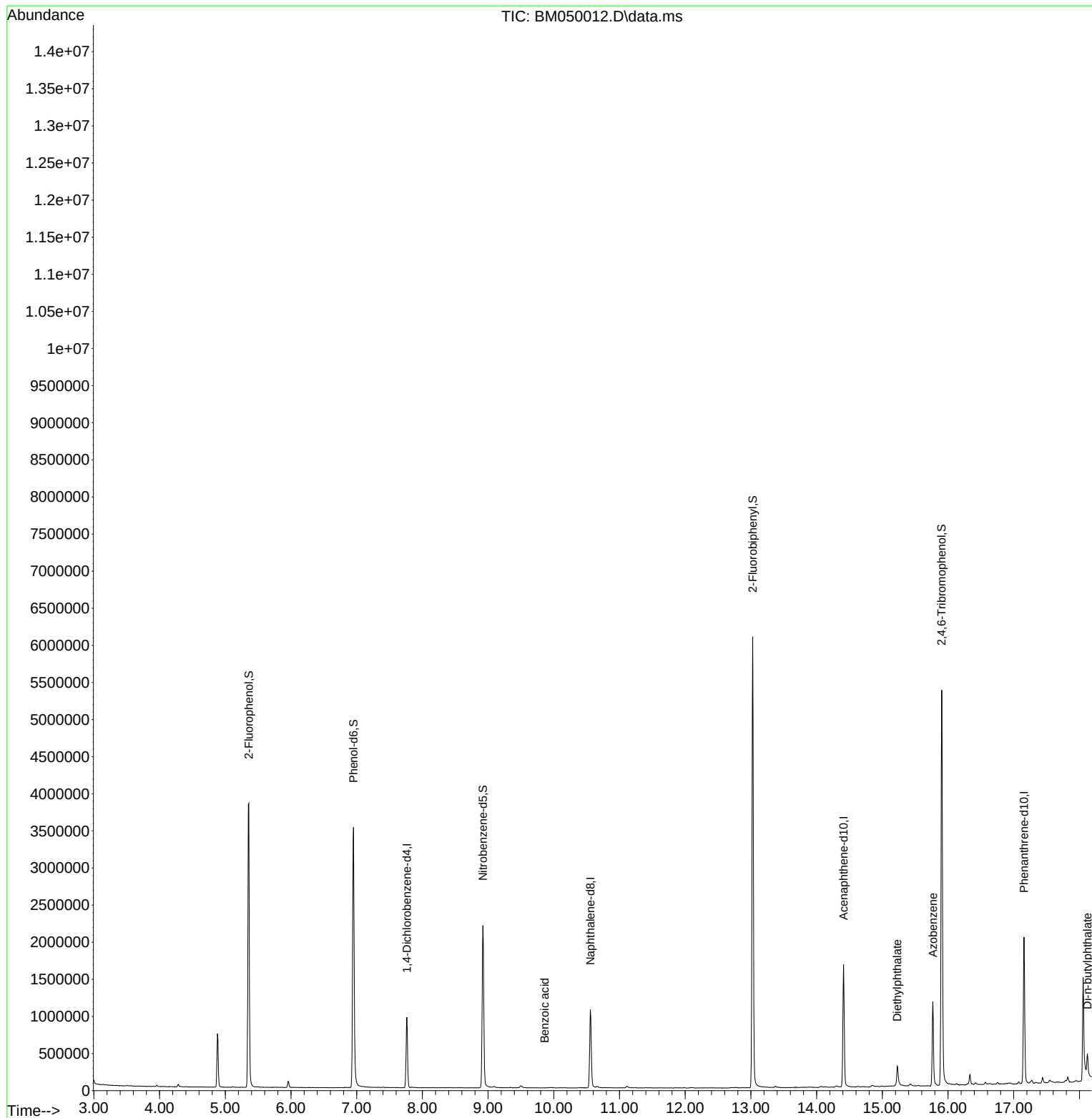
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	275846	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	950790	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	623158	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1252569	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1278024	20.000	ng	0.00
86) Perylene-d12	24.397	264	1372499	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1820136	112.045	ng	0.00
7) Phenol-d6	6.951	99	2265605	112.096	ng	0.00
23) Nitrobenzene-d5	8.922	82	1349098	79.013	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	1216458	134.207	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	3419079	74.400	ng	-0.02
79) Terphenyl-d14	19.780	244	5531247	81.108	ng	-0.01
Target Compounds						
32) Benzoic acid	9.863	122	120	8.546	ng	Qvalue # 8
60) Diethylphthalate	15.227	149	238943	5.668	ng	99
63) Azobenzene	15.768	77	302588	8.383	ng	# 1
74) Di-n-butylphthalate	18.121	149	260837	3.553	ng	100

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

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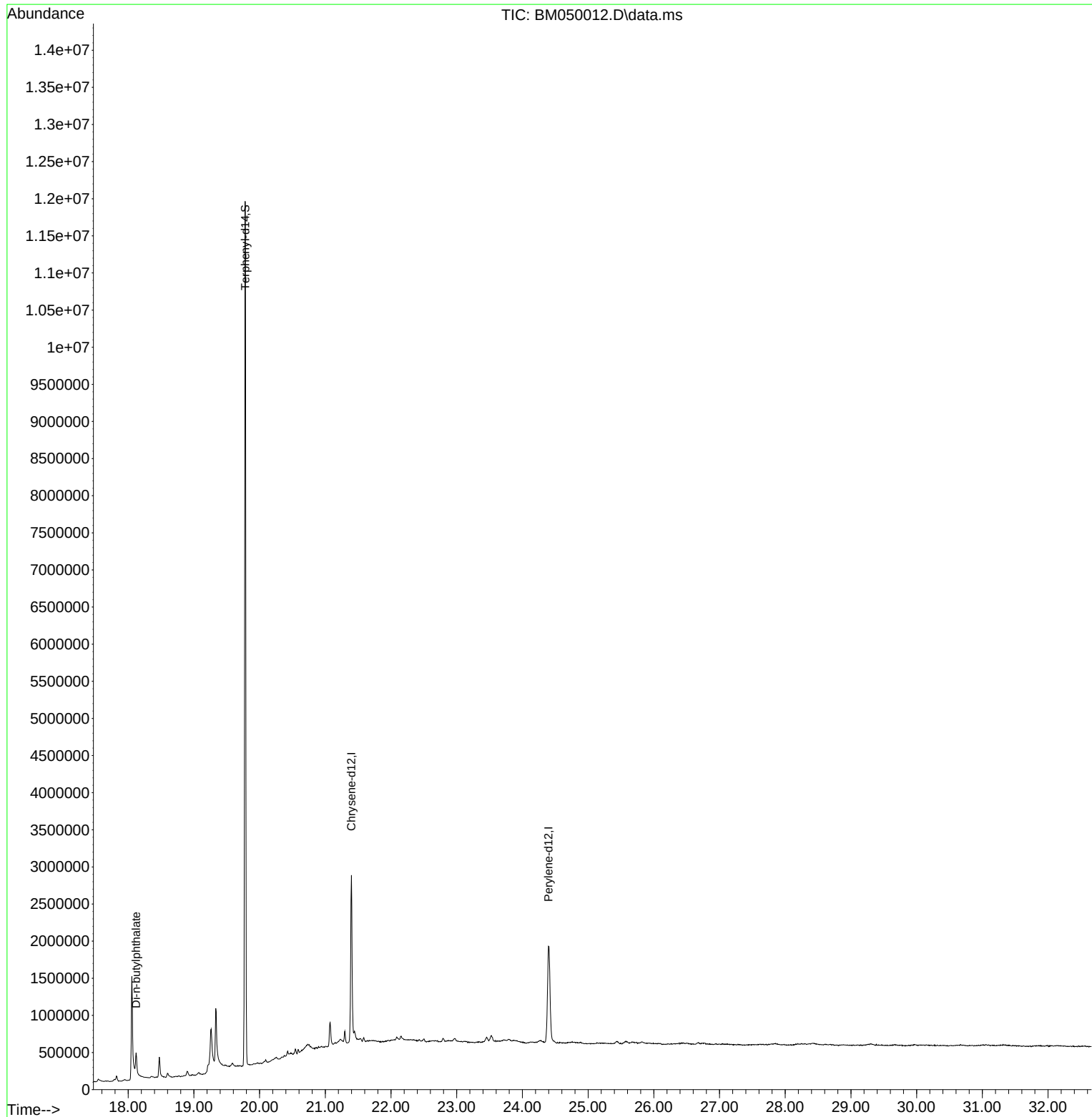
Quant Time: Apr 23 14:44:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
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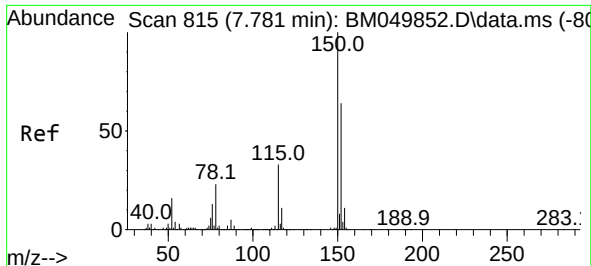


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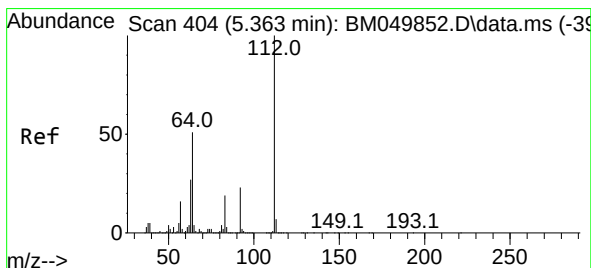
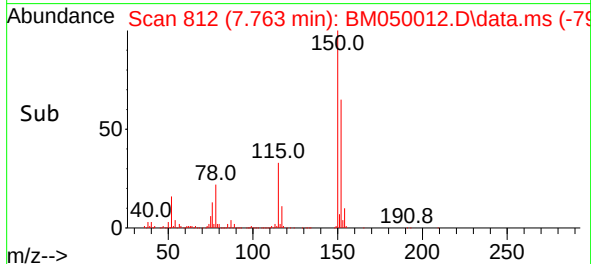
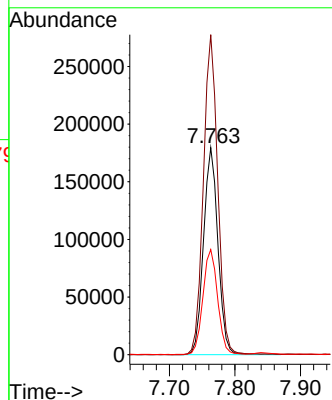
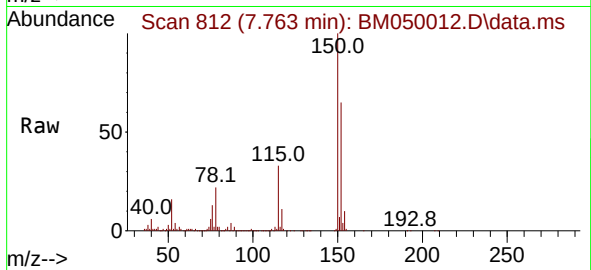




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM050012.D
Acq: 23 Apr 2025 13:58

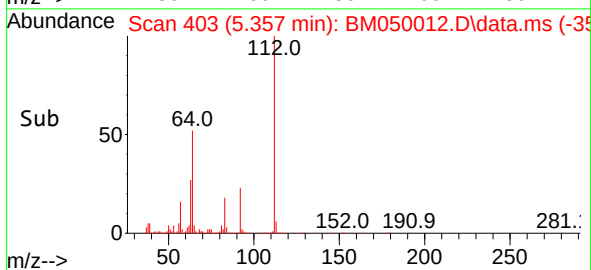
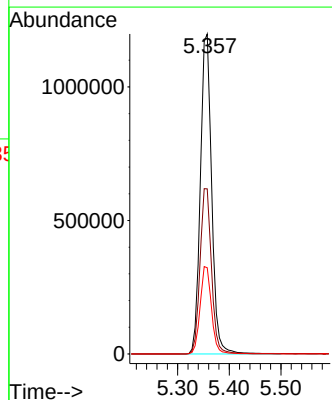
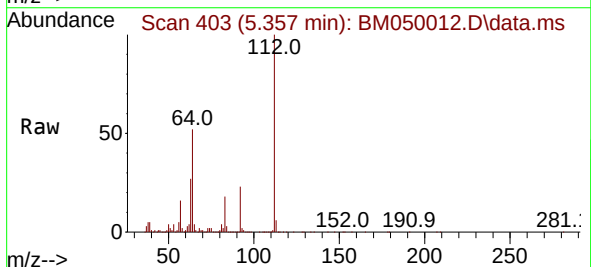
Instrument :
BNA_M
ClientSampleId :
72-12013

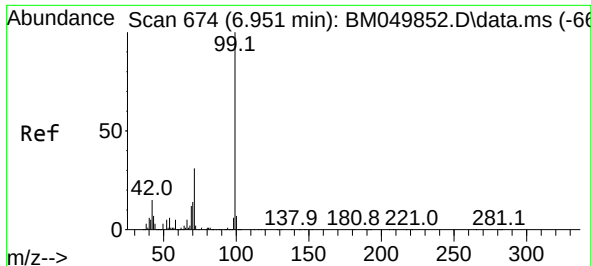
Tgt Ion:152 Resp: 275846
Ion Ratio Lower Upper
152 100
150 154.5 124.3 186.5
115 50.8 41.1 61.7



#5
2-Fluorophenol
Concen: 112.045 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM050012.D
Acq: 23 Apr 2025 13:58

Tgt Ion:112 Resp: 1820136
Ion Ratio Lower Upper
112 100
64 51.6 41.0 61.6
63 27.0 21.5 32.3

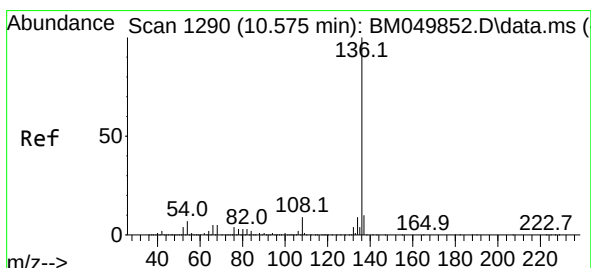
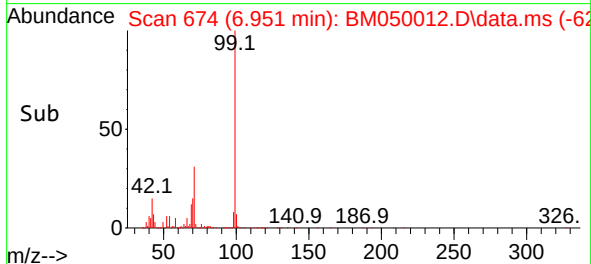
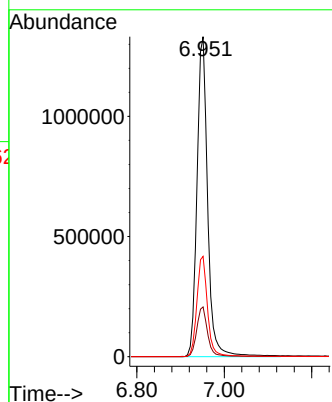
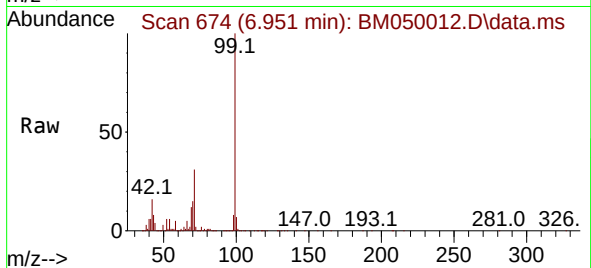




#7
Phenol-d6
Concen: 112.096 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM050012.D
Acq: 23 Apr 2025 13:58

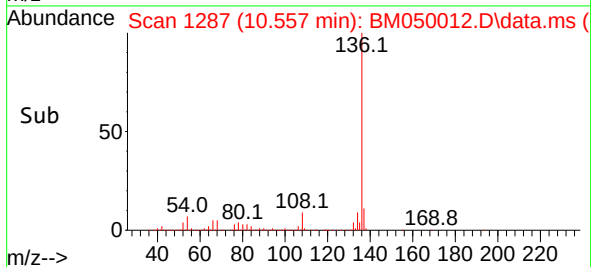
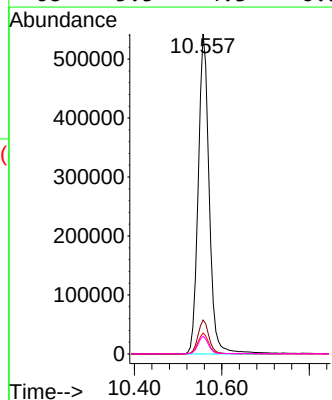
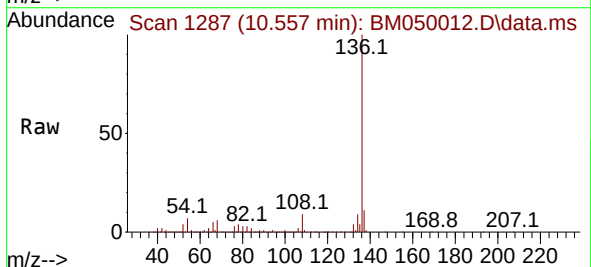
Instrument :
BNA_M
ClientSampleId :
72-12013

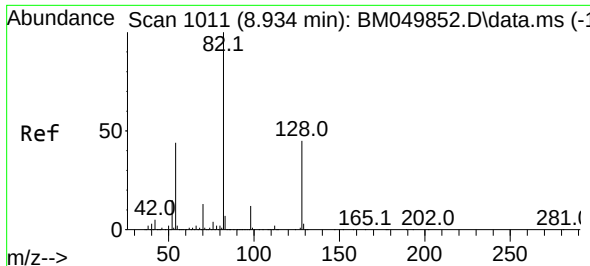
Tgt Ion: 99 Resp: 2265605
Ion Ratio Lower Upper
99 100
42 15.5 12.1 18.1
71 31.3 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM050012.D
Acq: 23 Apr 2025 13:58

Tgt Ion: 136 Resp: 950790
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 6.6 5.3 7.9
68 5.5 4.3 6.5

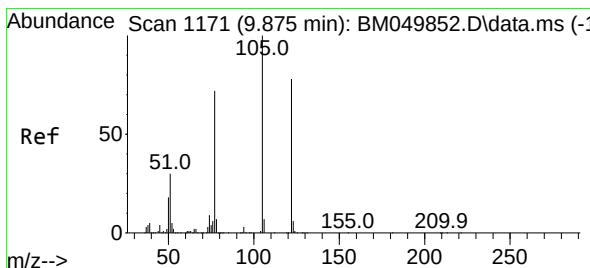
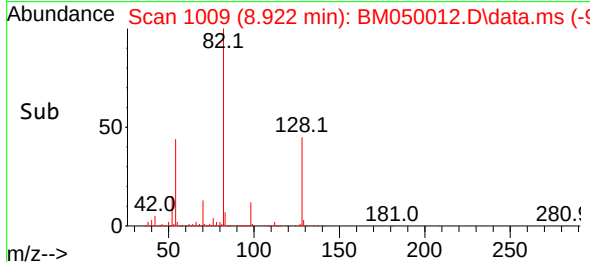
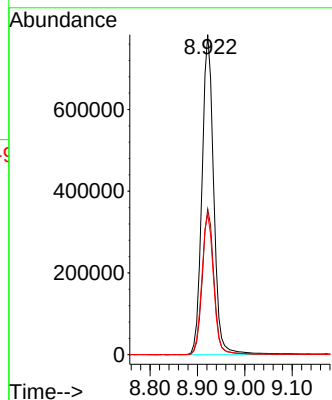
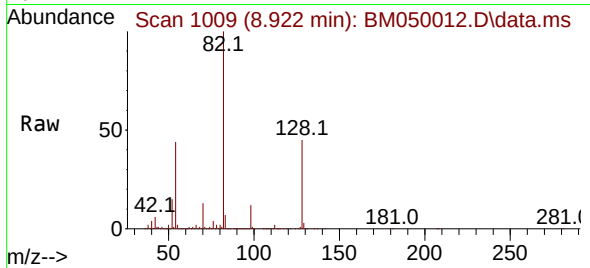




#23
 Nitrobenzene-d5
 Concen: 79.013 ng
 RT: 8.922 min Scan# 1109
 Delta R.T. -0.012 min
 Lab File: BM050012.D
 Acq: 23 Apr 2025 13:58

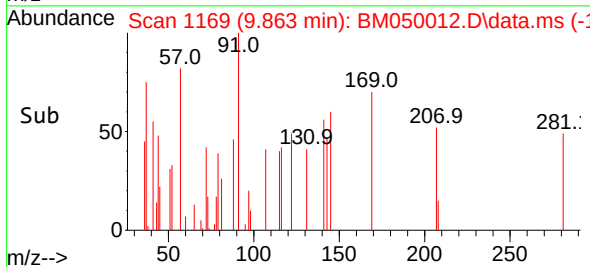
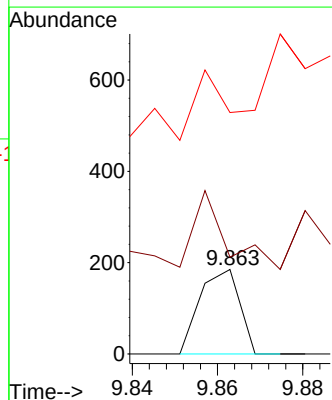
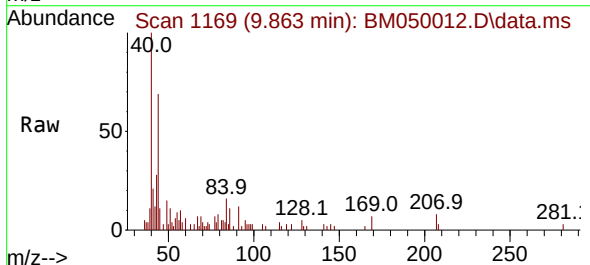
Instrument :
 BNA_M
 ClientSampleId :
 72-12013

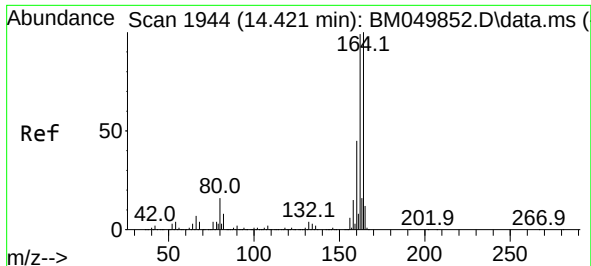
Tgt Ion: 82 Resp: 1349098
 Ion Ratio Lower Upper
 82 100
 128 45.5 36.2 54.2
 54 43.9 35.0 52.6



#32
 Benzoic acid
 Concen: 8.546 ng
 RT: 9.863 min Scan# 1169
 Delta R.T. -0.012 min
 Lab File: BM050012.D
 Acq: 23 Apr 2025 13:58

Tgt Ion:122 Resp: 120
 Ion Ratio Lower Upper
 122 100
 105 114.6 103.8 143.8
 77 285.9 70.7 110.7#

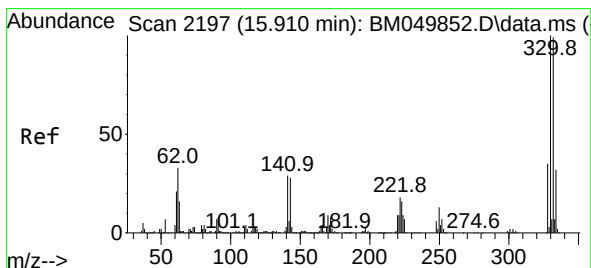
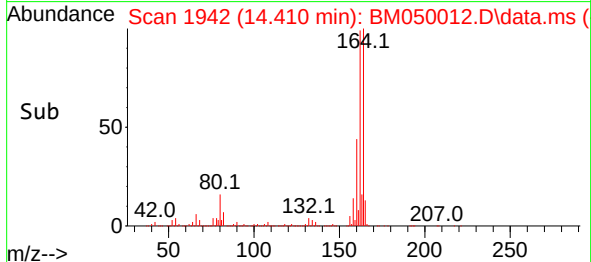
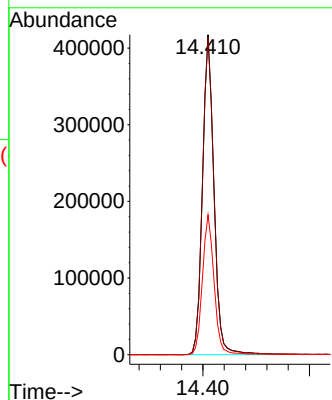
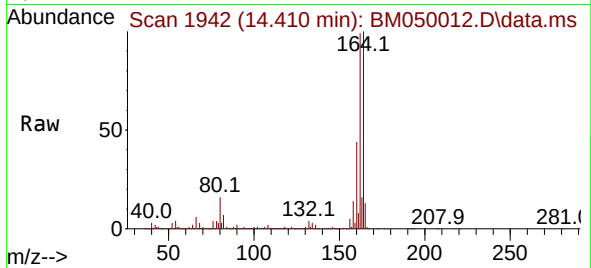




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.410 min Scan# 1942
 Delta R.T. -0.012 min
 Lab File: BM050012.D
 Acq: 23 Apr 2025 13:58

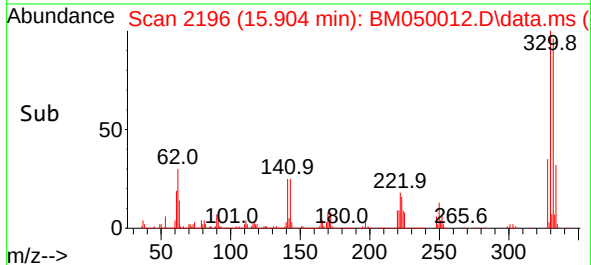
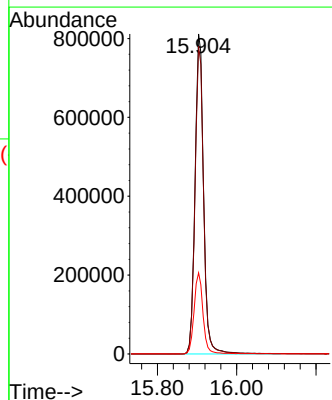
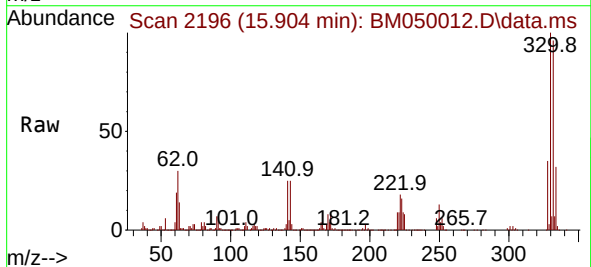
Instrument :
 BNA_M
 ClientSampleId :
 72-12013

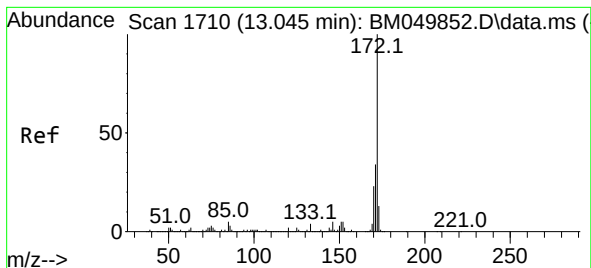
Tgt Ion:164 Resp: 623158
 Ion Ratio Lower Upper
 164 100
 162 99.1 79.4 119.0
 160 43.6 36.2 54.2



#42
 2,4,6-Tribromophenol
 Concen: 134.207 ng
 RT: 15.904 min Scan# 2196
 Delta R.T. -0.006 min
 Lab File: BM050012.D
 Acq: 23 Apr 2025 13:58

Tgt Ion:330 Resp: 1216458
 Ion Ratio Lower Upper
 330 100
 332 96.5 78.0 117.0
 141 26.3 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 74.400 ng

RT: 13.027 min Scan# 1

Delta R.T. -0.018 min

Lab File: BM050012.D

Acq: 23 Apr 2025 13:58

Instrument :

BNA_M

ClientSampleId :

72-12013

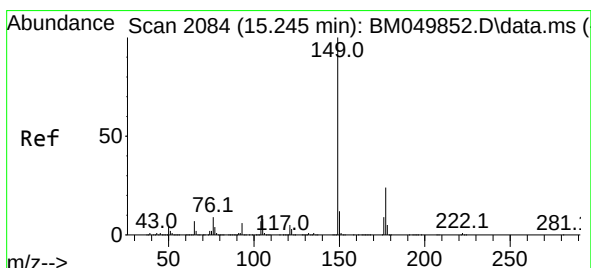
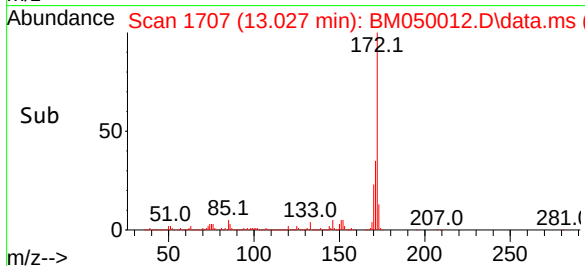
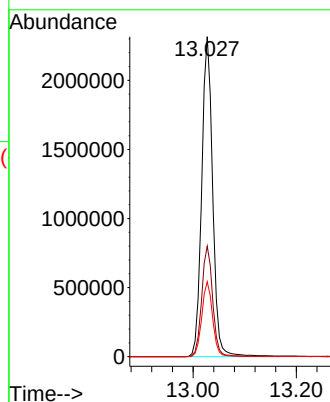
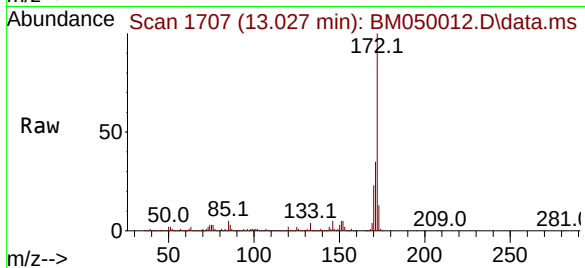
Tgt Ion:172 Resp: 3419079

Ion Ratio Lower Upper

172 100

171 34.6 27.4 41.2

170 23.4 18.6 28.0



#60

Diethylphthalate

Concen: 5.668 ng

RT: 15.227 min Scan# 2081

Delta R.T. -0.018 min

Lab File: BM050012.D

Acq: 23 Apr 2025 13:58

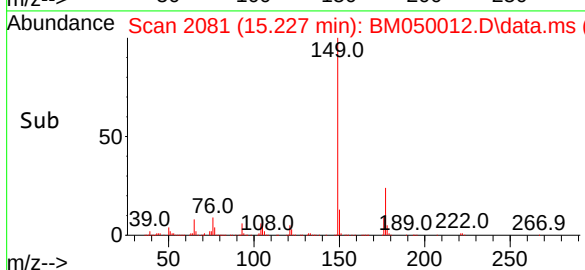
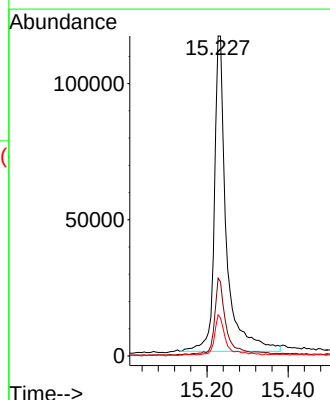
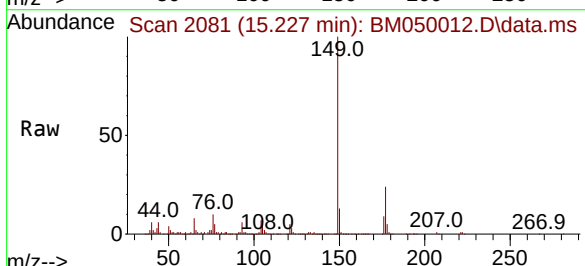
Tgt Ion:149 Resp: 238943

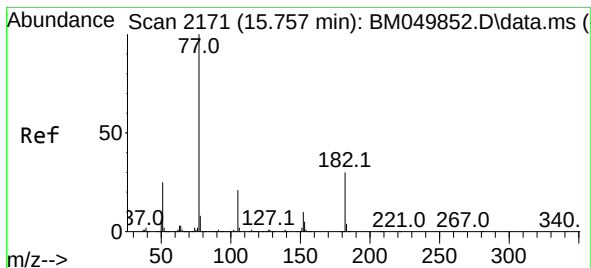
Ion Ratio Lower Upper

149 100

177 24.3 19.0 28.4

150 12.8 9.7 14.5





#63

Azobenzene

Concen: 8.383 ng

RT: 15.768 min Scan# 2171

Delta R.T. 0.012 min

Lab File: BM050012.D

Acq: 23 Apr 2025 13:58

Instrument :

BNA_M

ClientSampleId :

72-12013

Tgt Ion: 77 Resp: 302588

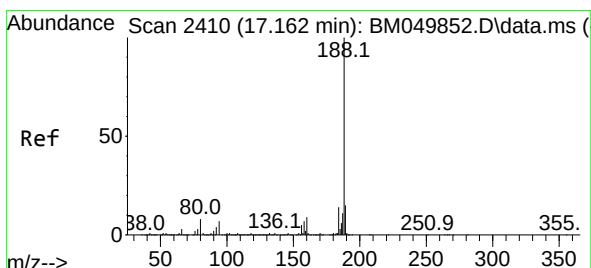
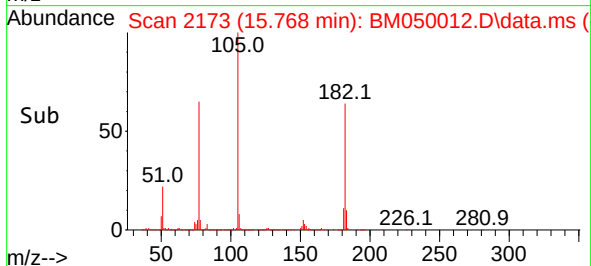
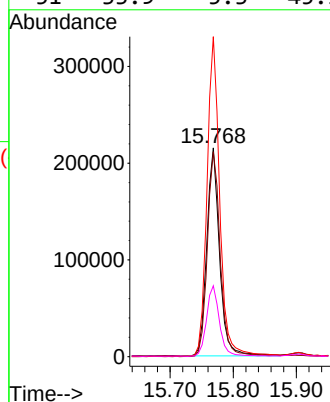
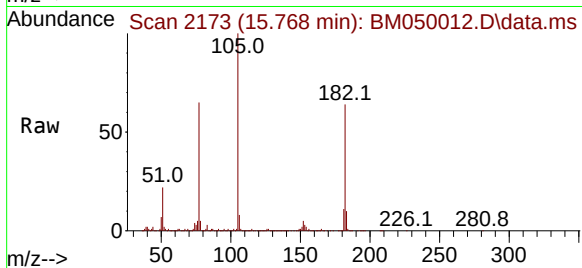
Ion Ratio Lower Upper

77 100

182 98.2 10.4 50.4#

105 153.2 1.5 41.5#

51 33.9 5.3 45.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BM050012.D

Acq: 23 Apr 2025 13:58

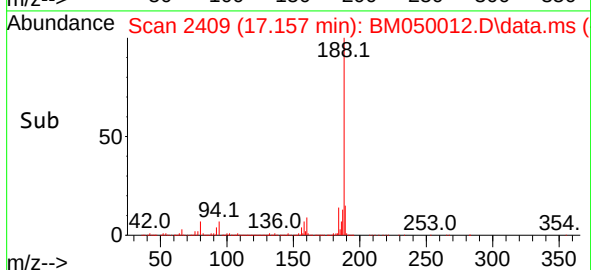
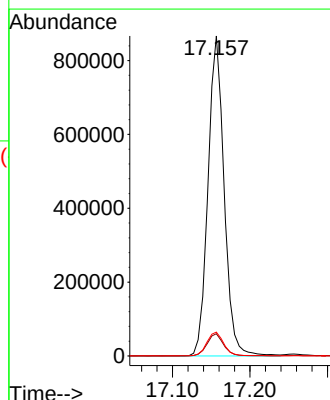
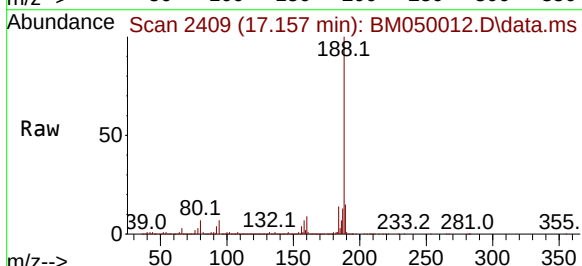
Tgt Ion:188 Resp: 1252569

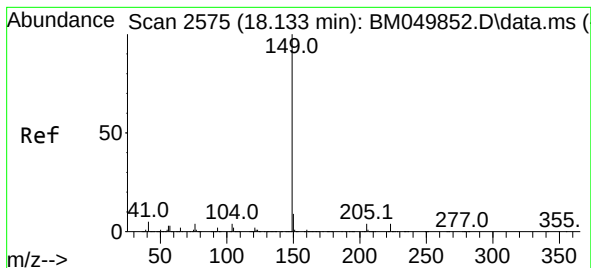
Ion Ratio Lower Upper

188 100

94 7.0 5.8 8.6

80 7.5 6.4 9.6





#74

Di-n-butylphthalate

Concen: 3.553 ng

RT: 18.121 min Scan# 2

Delta R.T. -0.012 min

Lab File: BM050012.D

Acq: 23 Apr 2025 13:58

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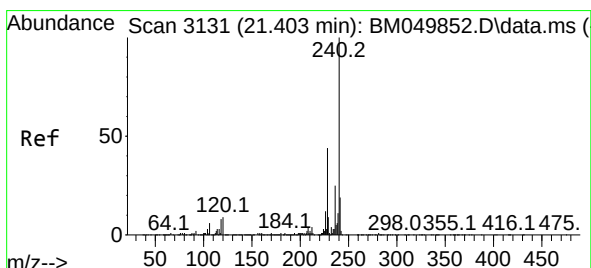
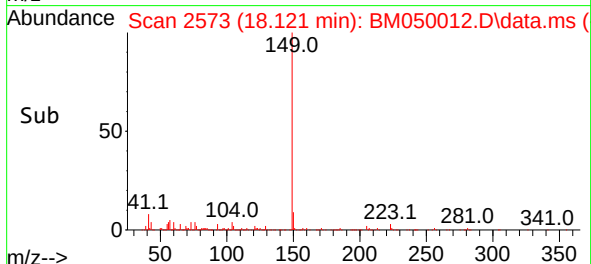
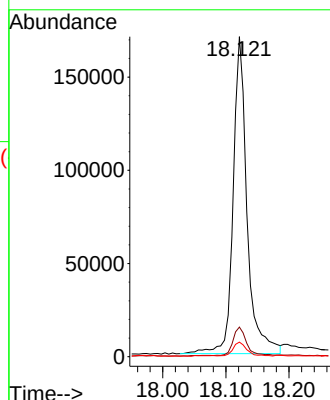
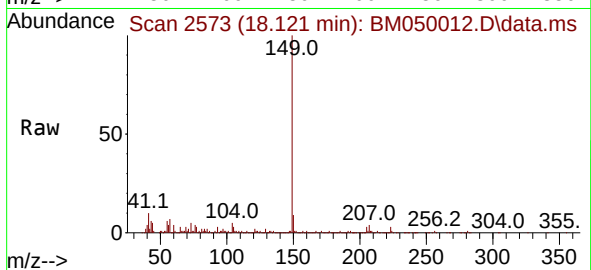
Tgt Ion:149 Resp: 260837

Ion Ratio Lower Upper

149 100

150 9.3 7.5 11.3

104 4.6 3.5 5.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.397 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BM050012.D

Acq: 23 Apr 2025 13:58

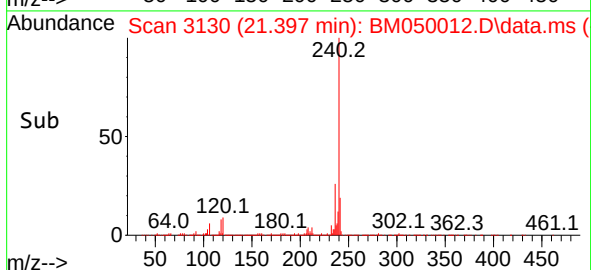
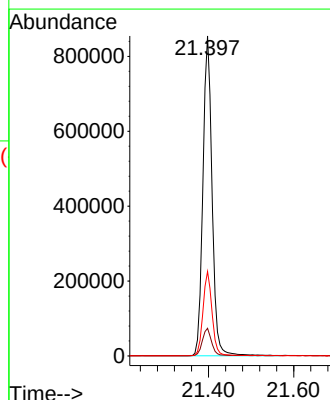
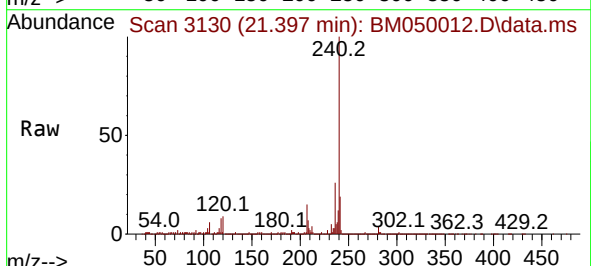
Tgt Ion:240 Resp: 1278024

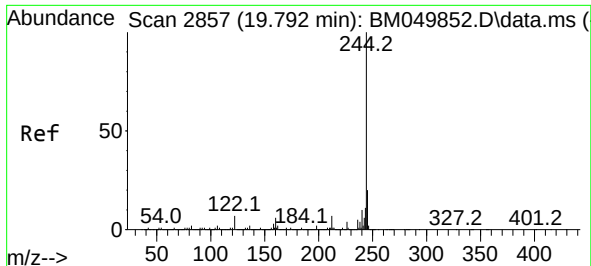
Ion Ratio Lower Upper

240 100

120 8.6 6.9 10.3

236 26.4 20.4 30.6

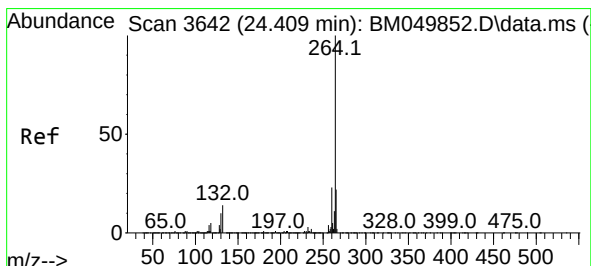
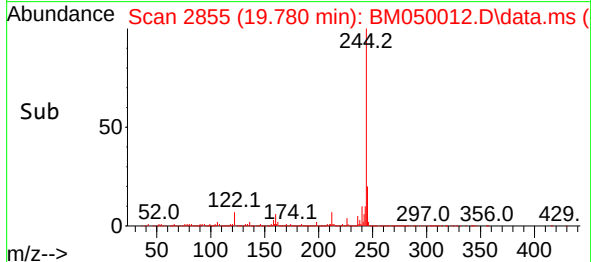
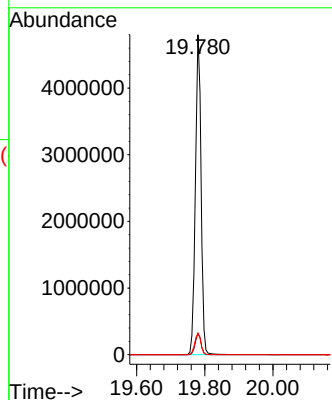
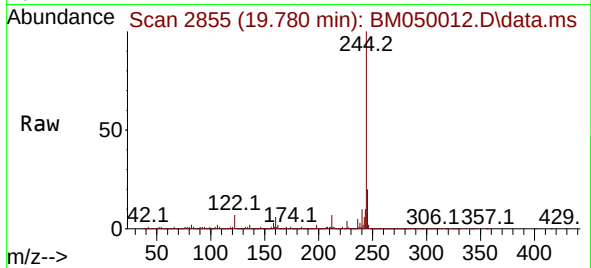




#79
 Terphenyl-d14
 Concen: 81.108 ng
 RT: 19.780 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050012.D
 Acq: 23 Apr 2025 13:58

Instrument :
 BNA_M
 ClientSampleId :
 72-12013

Tgt Ion:244 Resp: 5531247
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.5 8.3
 122 6.7 5.4 8.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.397 min Scan# 3640
 Delta R.T. -0.012 min
 Lab File: BM050012.D
 Acq: 23 Apr 2025 13:58

Tgt Ion:264 Resp: 1372499
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 28.0
 265 22.5 17.8 26.8

