

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
 Data File : BM050015.D
 Acq On : 23 Apr 2025 15:55
 Operator : RC/JU
 Sample : Q1858-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COMP-1

Quant Time: Apr 23 16:51:50 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)

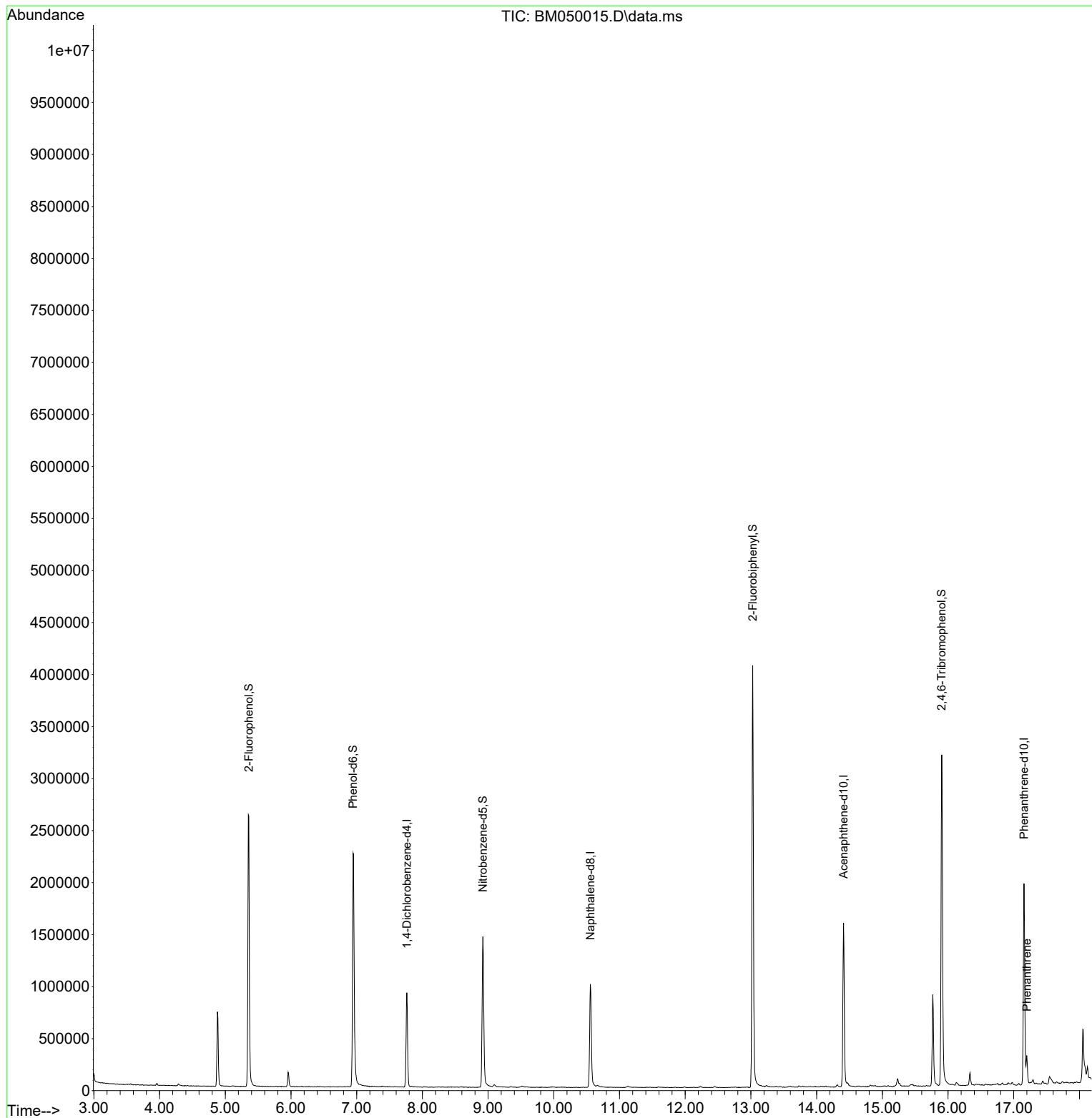
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	268192	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	920312	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	612241	20.000	ng	-0.01
64) Phenanthrene-d10	17.156	188	1242938	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1324636	20.000	ng	0.00
86) Perylene-d12	24.403	264	1398709	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1263176	79.979	ng	0.00
7) Phenol-d6	6.945	99	1551306	78.945	ng	0.00
23) Nitrobenzene-d5	8.922	82	933733	56.497	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	735934	82.640	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	2386764	52.863	ng	-0.02
79) Terphenyl-d14	19.780	244	3869225	54.740	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	17.198	178	166855	2.449	ng	98
75) Fluoranthene	19.215	202	232707	2.777	ng	99
78) Pyrene	19.580	202	221220	2.423	ng	100

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

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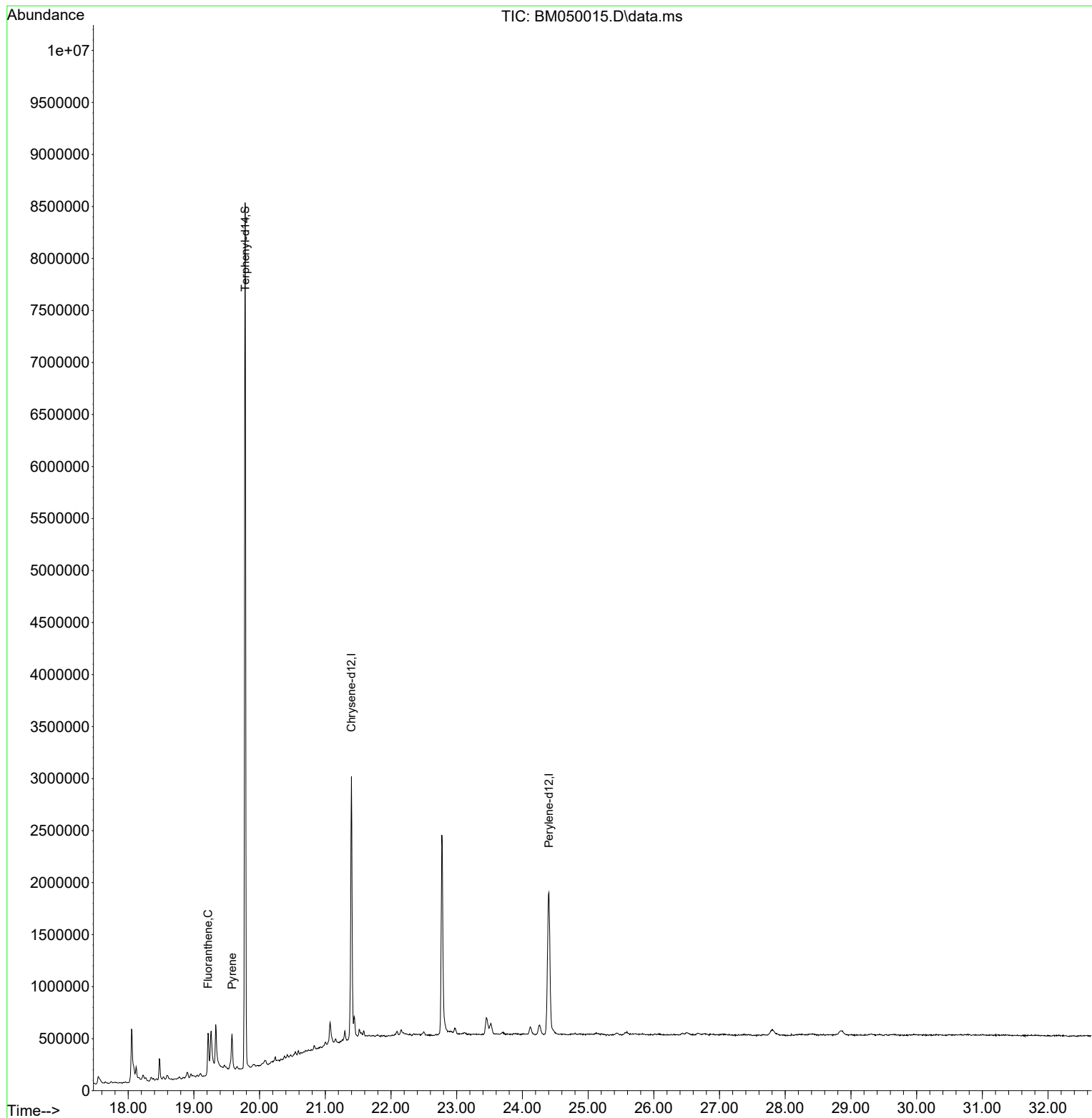
Quant Time: Apr 23 16:51:50 2025
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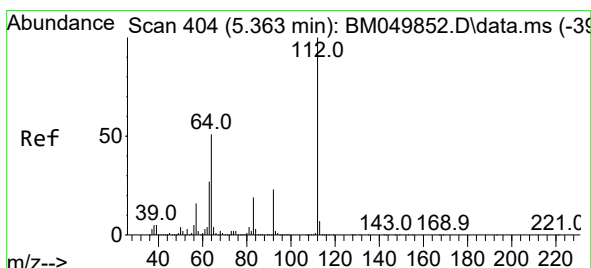
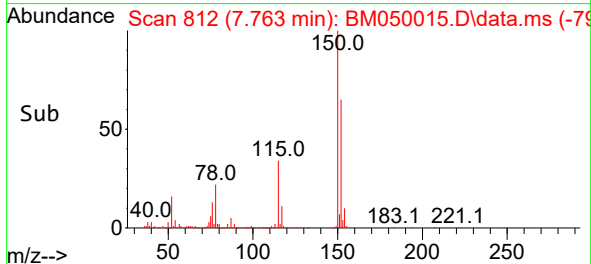
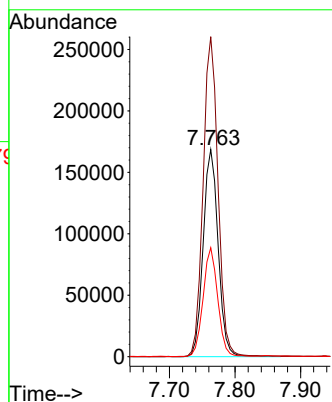
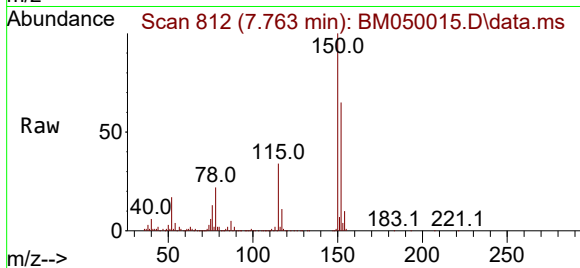




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

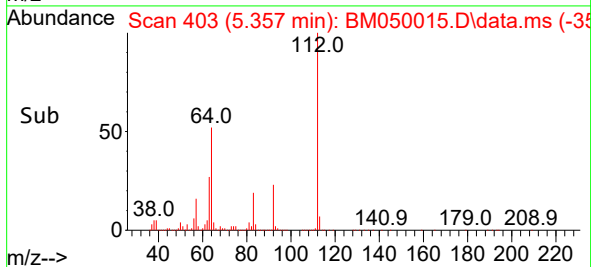
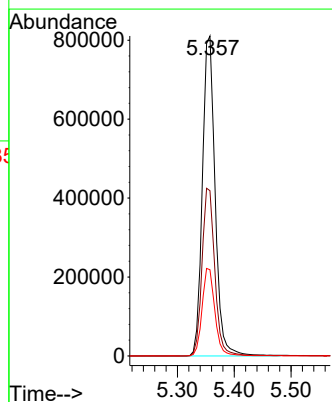
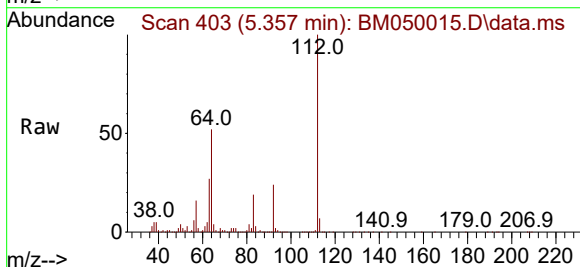
Instrument :
BNA_M
ClientSampleId :
COMP-1

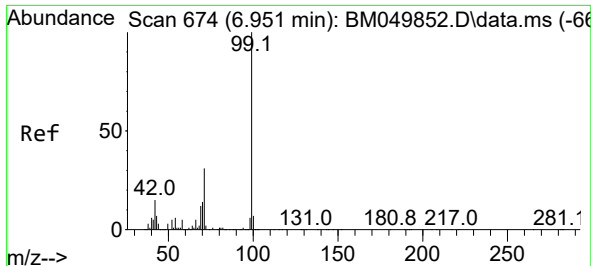
Tgt Ion:152 Resp: 268192
Ion Ratio Lower Upper
152 100
150 154.5 124.3 186.5
115 52.6 41.1 61.7



#5
2-Fluorophenol
Concen: 79.979 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

Tgt Ion:112 Resp: 1263176
Ion Ratio Lower Upper
112 100
64 51.7 41.0 61.6
63 26.9 21.5 32.3

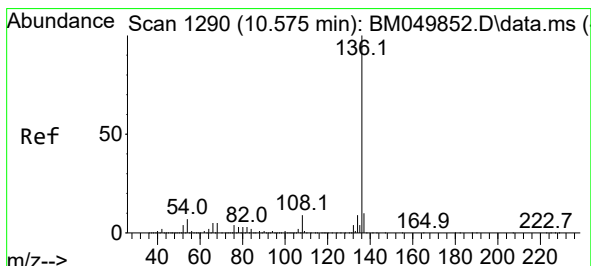
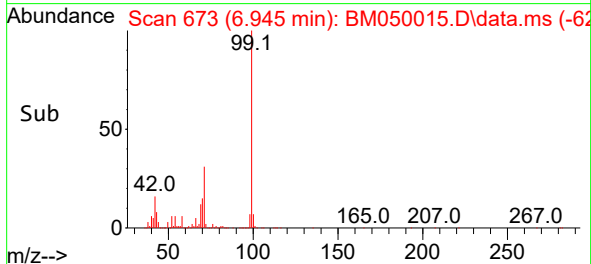
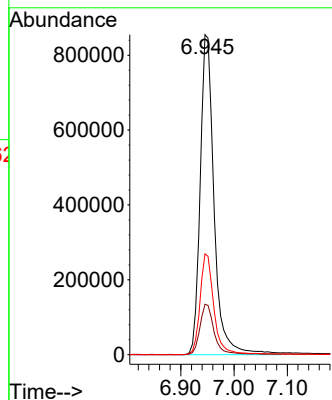
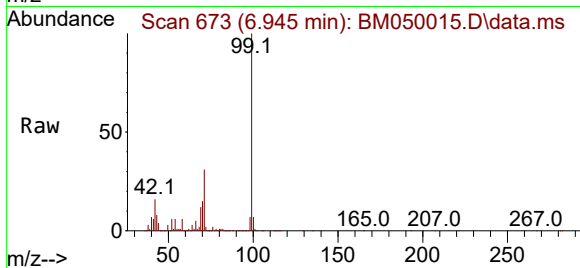




#7
Phenol-d6
Concen: 78.945 ng
RT: 6.945 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

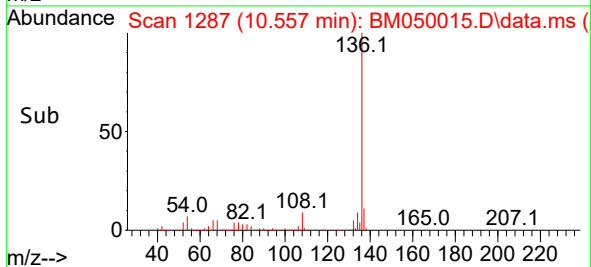
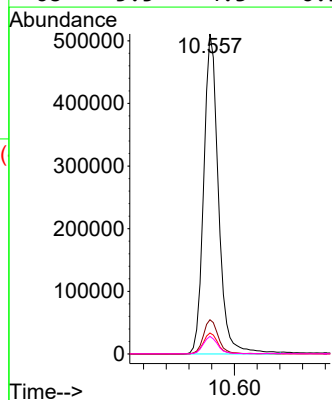
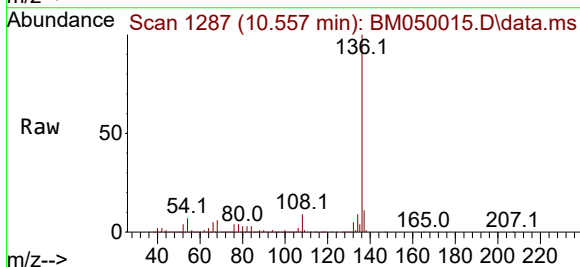
Instrument :
BNA_M
ClientSampleId :
COMP-1

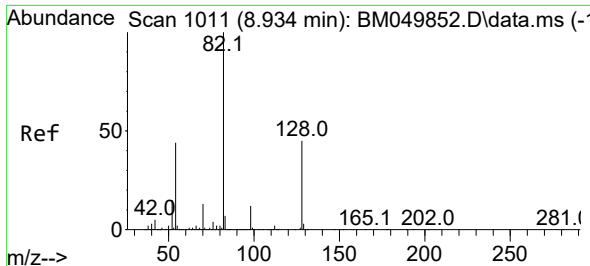
Tgt Ion: 99 Resp: 1551306
Ion Ratio Lower Upper
99 100
42 15.8 12.1 18.1
71 31.5 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

Tgt Ion: 136 Resp: 920312
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 6.6 5.3 7.9
68 5.5 4.3 6.5

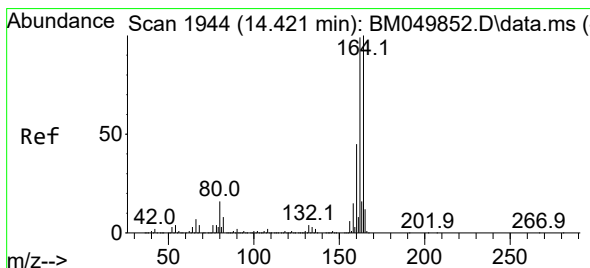
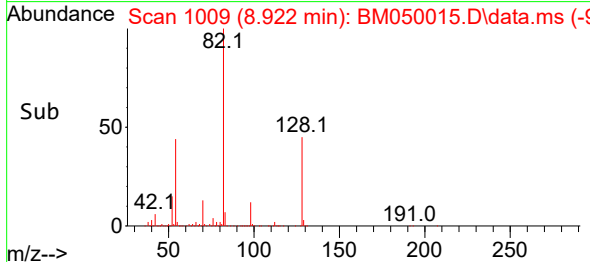
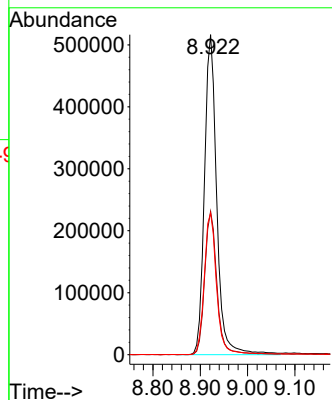
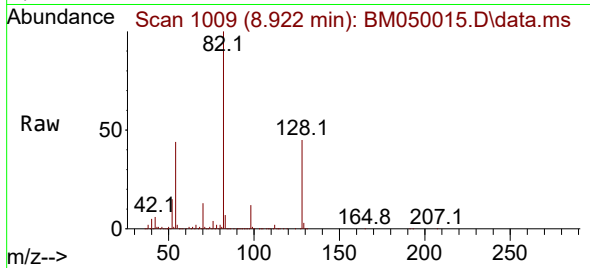




#23
Nitrobenzene-d5
Concen: 56.497 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

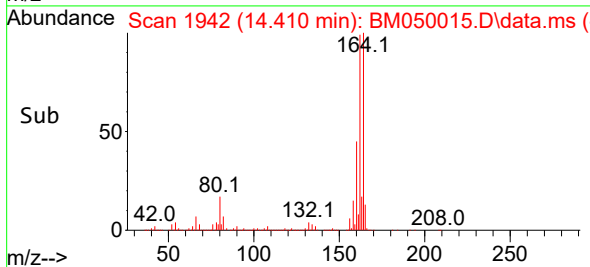
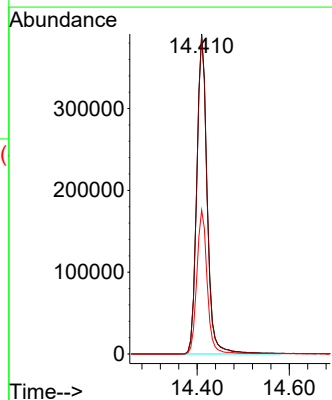
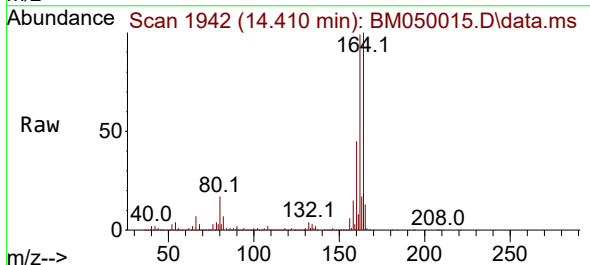
Instrument :
BNA_M
ClientSampleId :
COMP-1

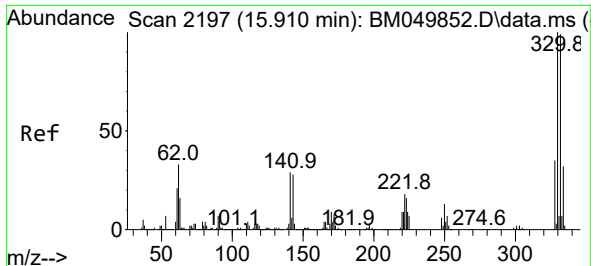
Tgt Ion: 82 Resp: 933733
Ion Ratio Lower Upper
82 100
128 44.8 36.2 54.2
54 44.3 35.0 52.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

Tgt Ion:164 Resp: 612241
Ion Ratio Lower Upper
164 100
162 99.5 79.4 119.0
160 45.0 36.2 54.2

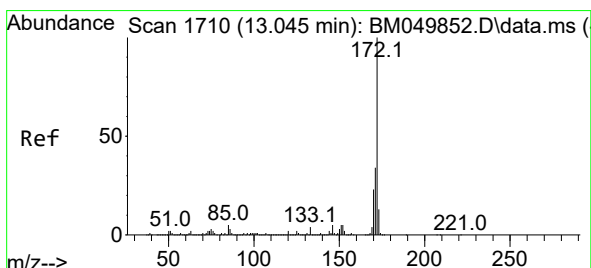
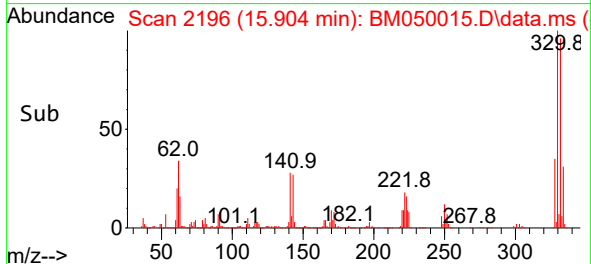
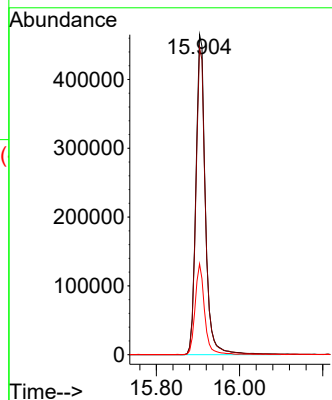
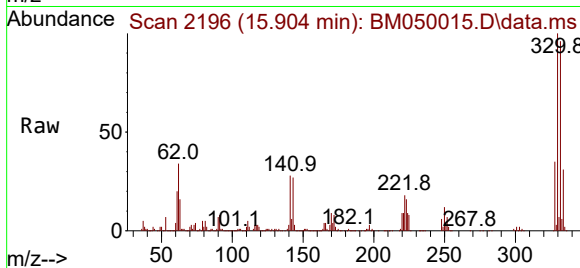




#42
2,4,6-Tribromophenol
Concen: 82.640 ng
RT: 15.904 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

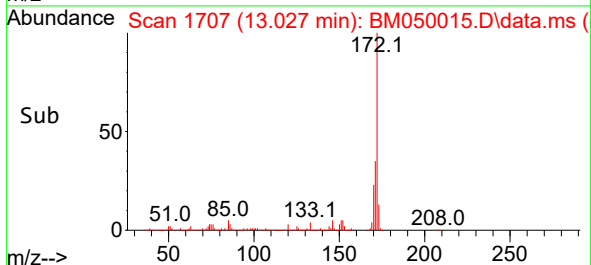
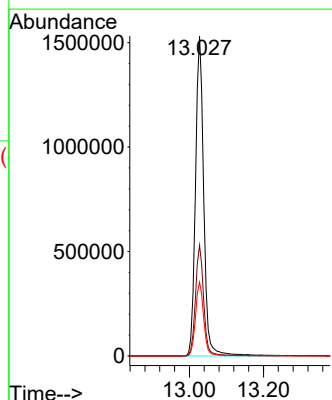
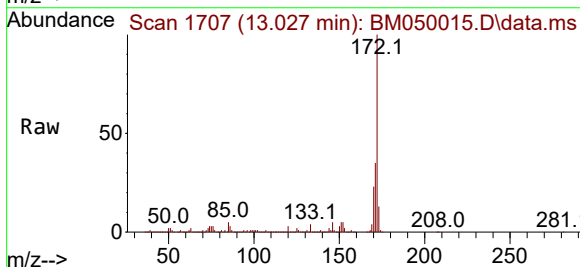
Instrument :
BNA_M
ClientSampleId :
COMP-1

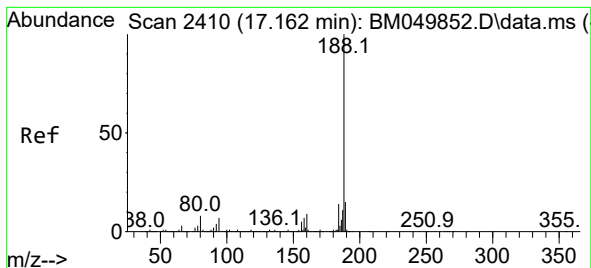
Tgt Ion:330 Resp: 735934
Ion Ratio Lower Upper
330 100
332 96.4 78.0 117.0
141 28.2 23.5 35.3



#45
2-Fluorobiphenyl
Concen: 52.863 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.018 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

Tgt Ion:172 Resp: 2386764
Ion Ratio Lower Upper
172 100
171 34.6 27.4 41.2
170 23.1 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.156 min Scan# 2410

Delta R.T. -0.006 min

Lab File: BM050015.D

Acq: 23 Apr 2025 15:55

Instrument :

BNA_M

ClientSampleId :

COMP-1

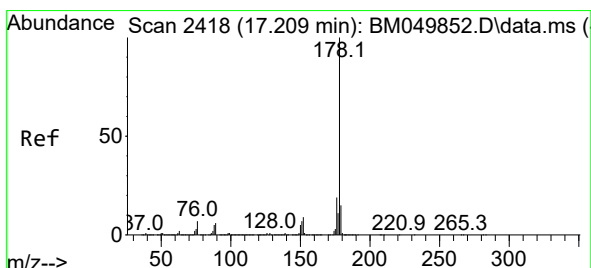
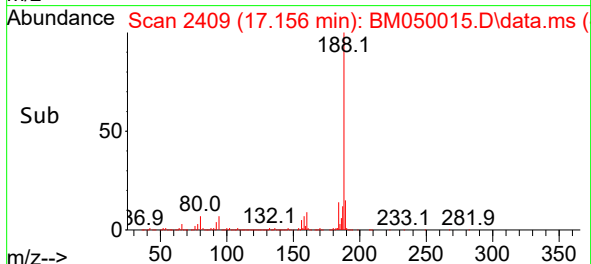
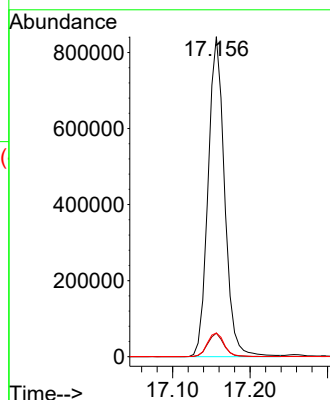
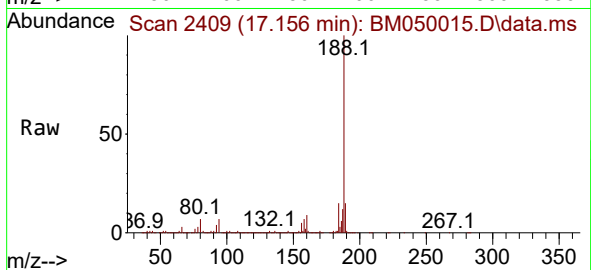
Tgt Ion:188 Resp: 1242938

Ion Ratio Lower Upper

188 100

94 7.3 5.8 8.6

80 7.4 6.4 9.6



#71

Phenanthrene

Concen: 2.449 ng

RT: 17.198 min Scan# 2416

Delta R.T. -0.012 min

Lab File: BM050015.D

Acq: 23 Apr 2025 15:55

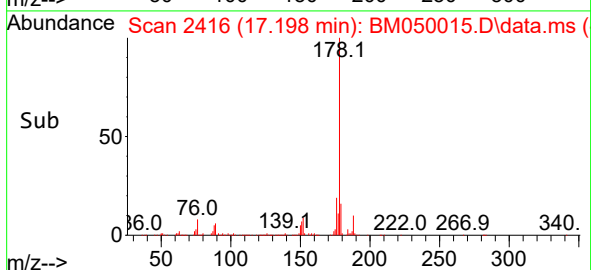
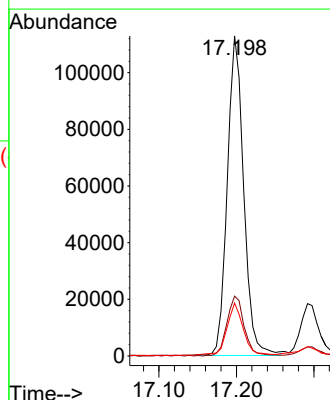
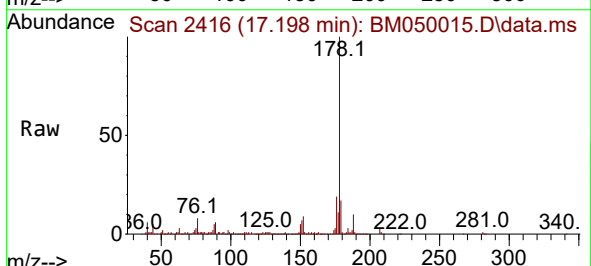
Tgt Ion:178 Resp: 166855

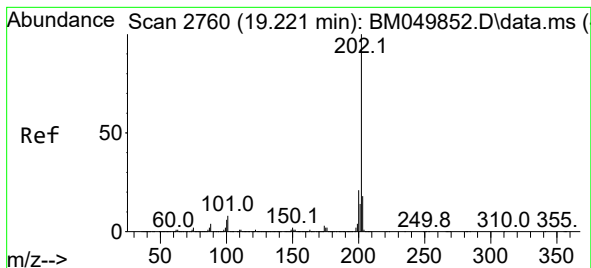
Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

179 16.6 12.3 18.5





#75

Fluoranthene

Concen: 2.777 ng

RT: 19.215 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050015.D

Acq: 23 Apr 2025 15:55

Instrument :

BNA_M

ClientSampleId :

COMP-1

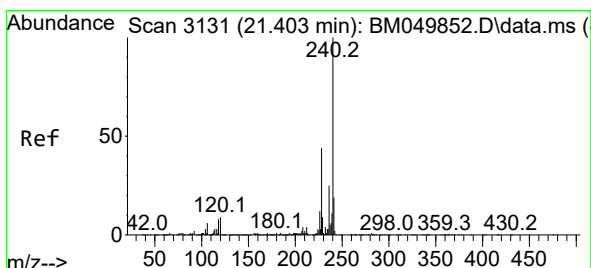
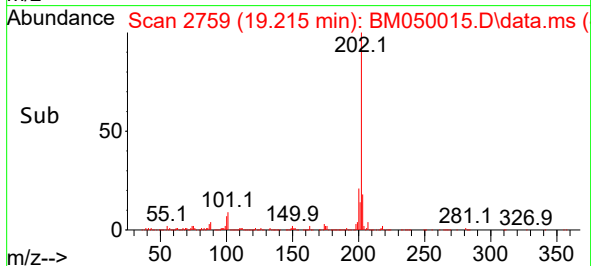
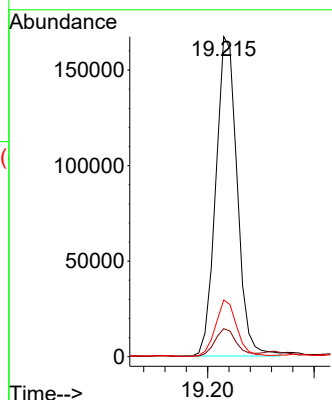
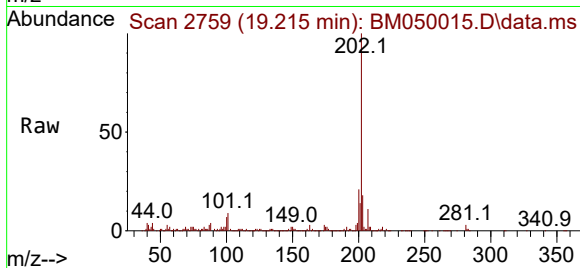
Tgt Ion:202 Resp: 232707

Ion Ratio Lower Upper

202 100

101 8.8 0.0 28.4

203 17.7 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.397 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BM050015.D

Acq: 23 Apr 2025 15:55

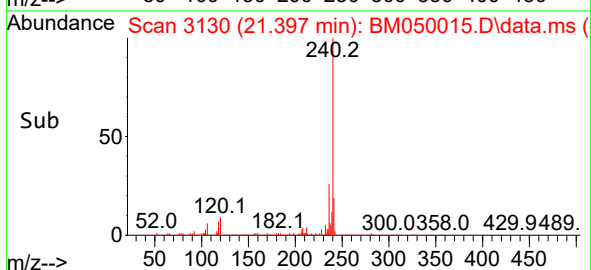
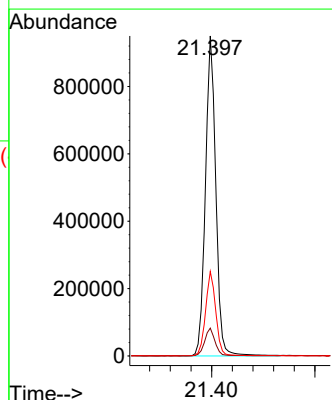
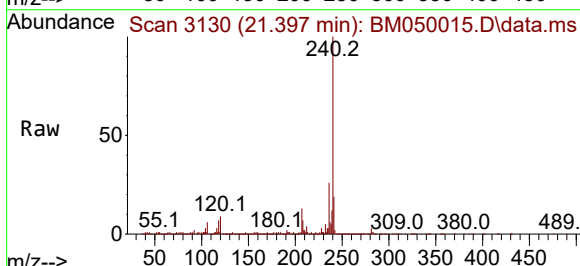
Tgt Ion:240 Resp: 1324636

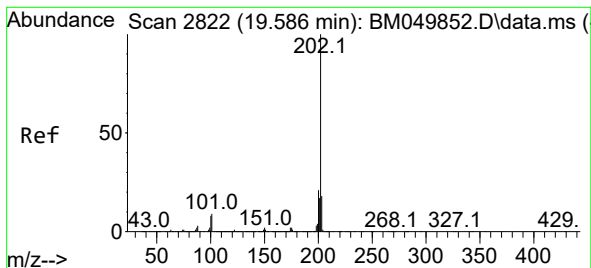
Ion Ratio Lower Upper

240 100

120 8.7 6.9 10.3

236 26.4 20.4 30.6





#78

Pyrene

Concen: 2.423 ng

RT: 19.580 min Scan# 2822

Delta R.T. -0.006 min

Lab File: BM050015.D

Acq: 23 Apr 2025 15:55

Instrument :

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ClientSampleId :

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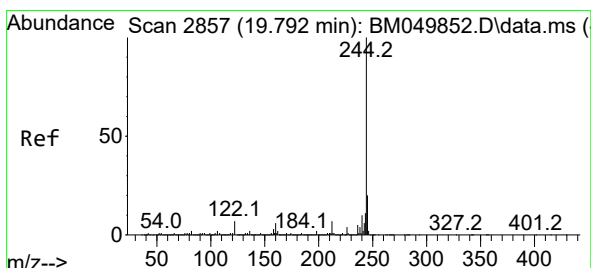
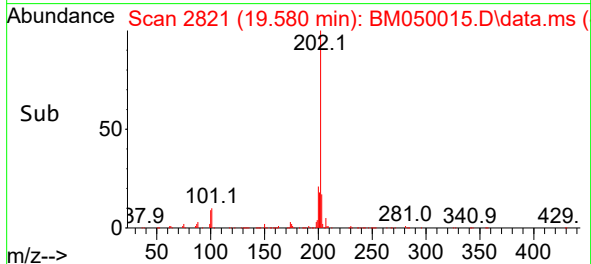
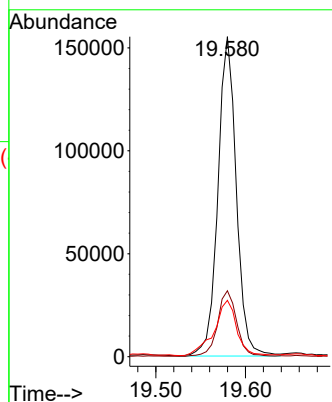
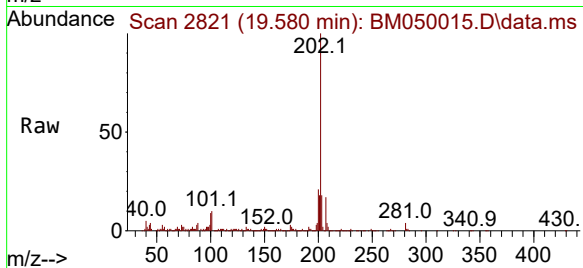
Tgt Ion:202 Resp: 221220

Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

203 17.6 14.0 21.0



#79

Terphenyl-d14

Concen: 54.740 ng

RT: 19.780 min Scan# 2855

Delta R.T. -0.012 min

Lab File: BM050015.D

Acq: 23 Apr 2025 15:55

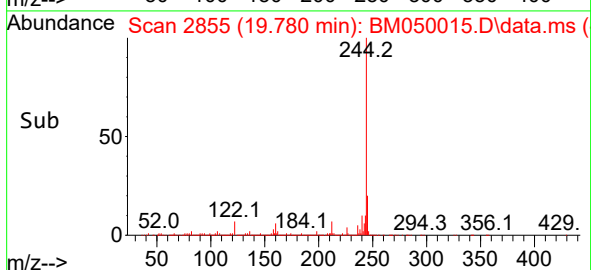
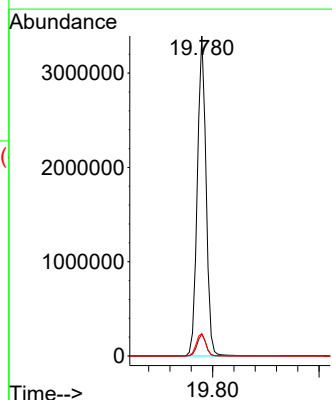
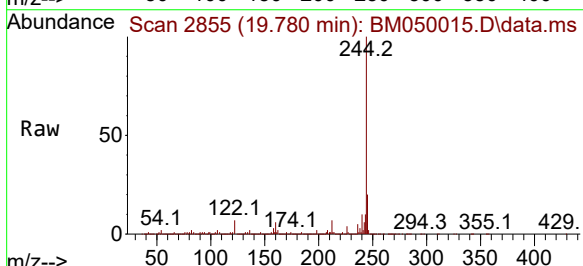
Tgt Ion:244 Resp: 3869225

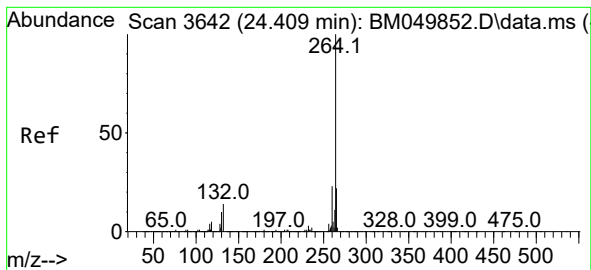
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 6.9 5.4 8.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 30
Delta R.T. -0.006 min
Lab File: BM050015.D
Acq: 23 Apr 2025 15:55

Instrument :
BNA_M
ClientSampleId :
COMP-1

Tgt Ion:264 Resp: 1398709

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	28.0
265	21.7	17.8	26.8

