

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050825\
 Data File : BM050150.D
 Acq On : 08 May 2025 17:19
 Operator : RC/JU
 Sample : Q1972-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-B-7

Quant Time: May 08 17:55:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 08 12:03:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

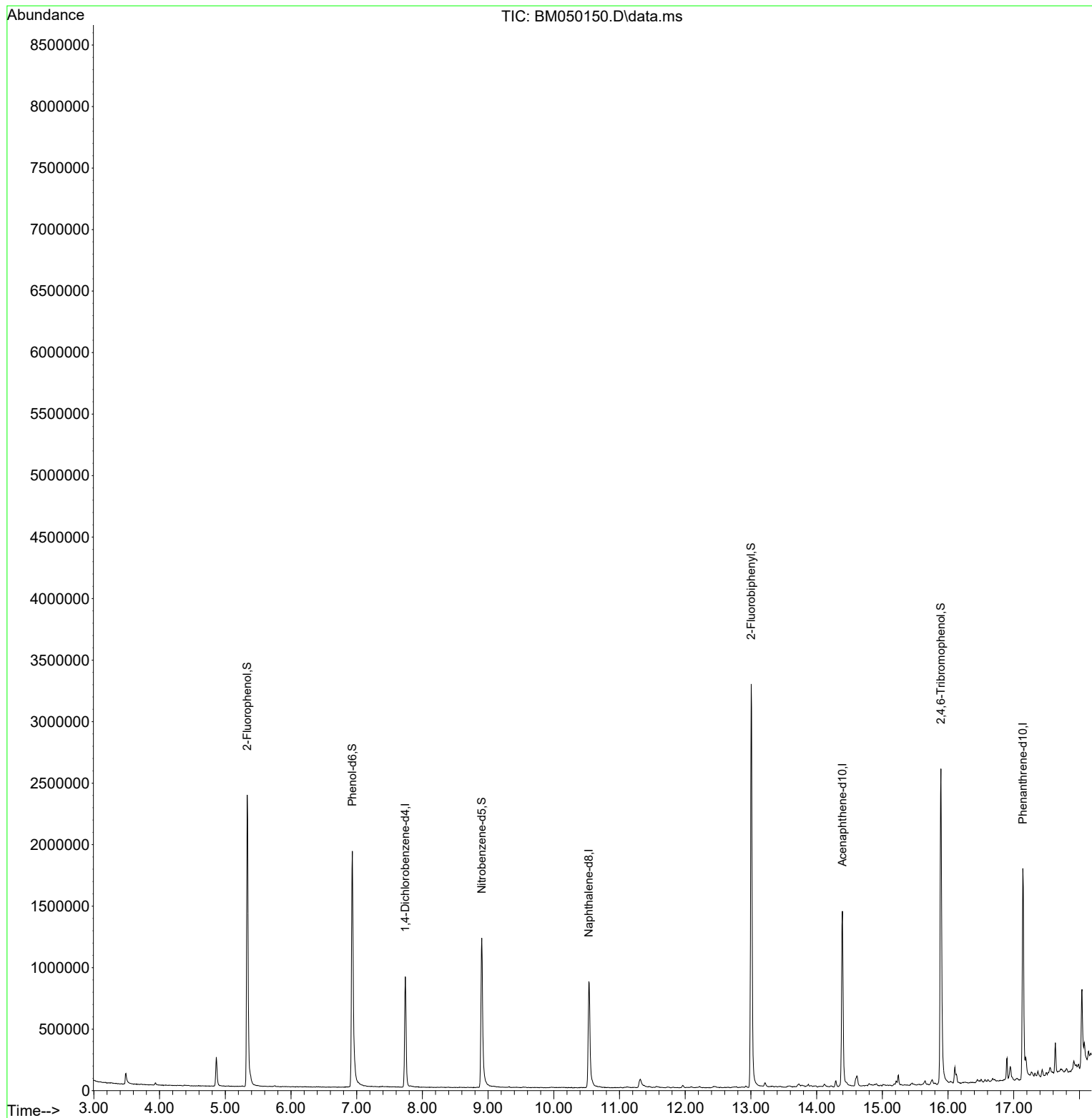
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	266907	20.000	ng	-0.03
21) Naphthalene-d8	10.534	136	908270	20.000	ng	-0.03
39) Acenaphthene-d10	14.392	164	581364	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1134296	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1154389	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1246142	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1180638	77.457	ng	-0.02
7) Phenol-d6	6.934	99	1459187	76.167	ng	-0.02
23) Nitrobenzene-d5	8.904	82	879952	47.740	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	632098	73.532	ng	-0.01
45) 2-Fluorobiphenyl	13.004	172	1984995	40.392	ng	-0.03
79) Terphenyl-d14	19.762	244	2991653	38.348	ng	-0.02
Target Compounds						
						Qvalue
75) Fluoranthene	19.204	202	212180	2.825	ng	98
78) Pyrene	19.568	202	196629	2.426	ng	99

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

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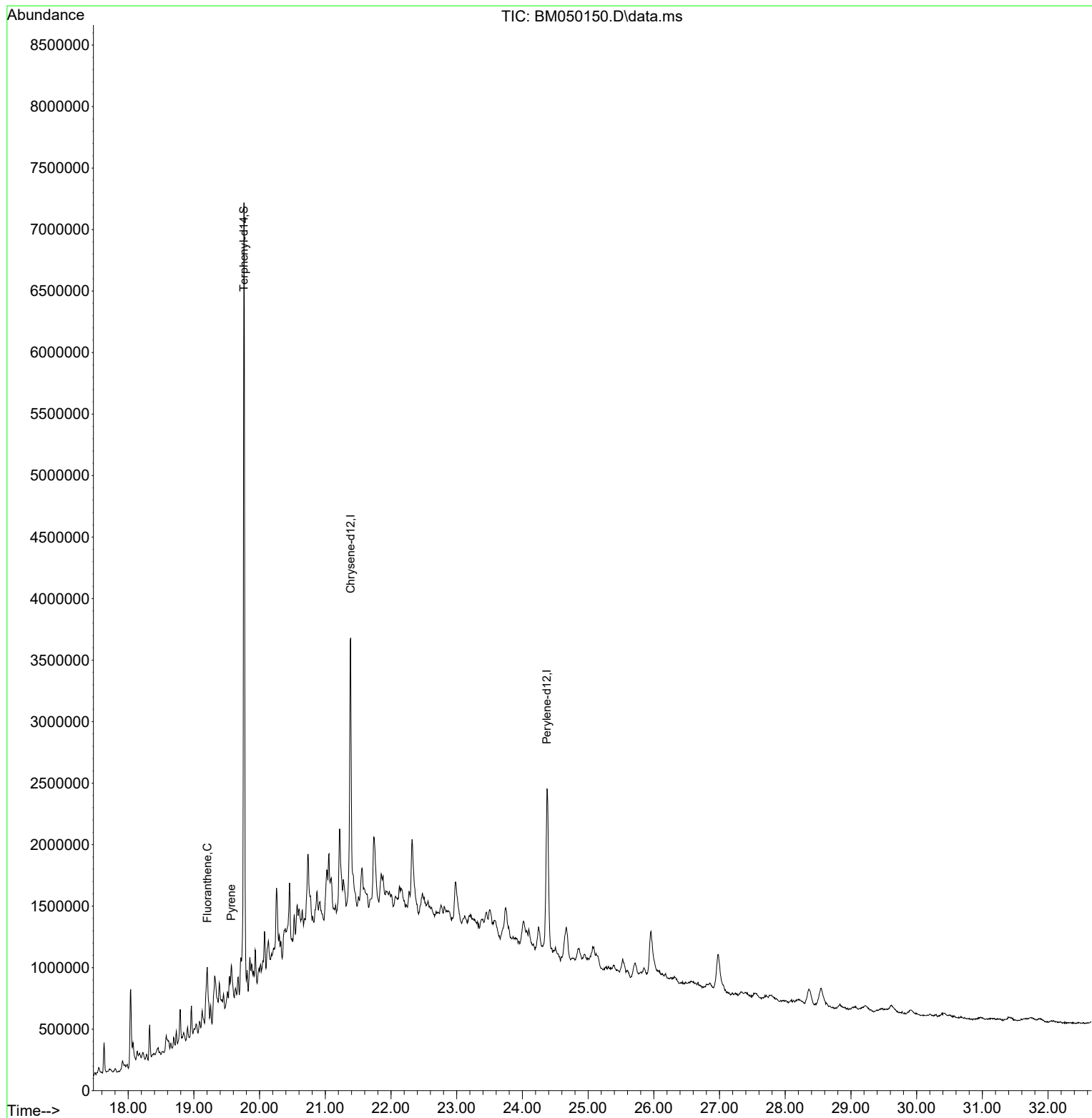
Quant Time: May 08 17:55:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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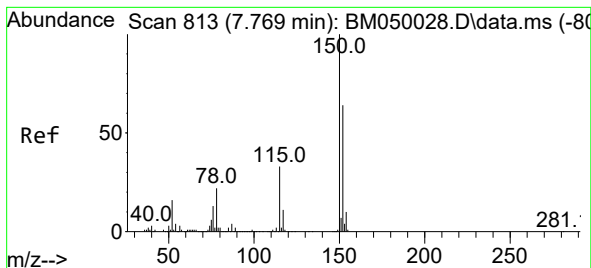


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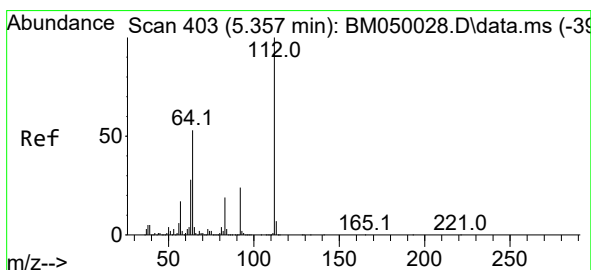
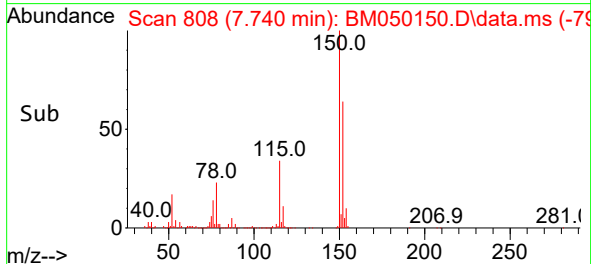
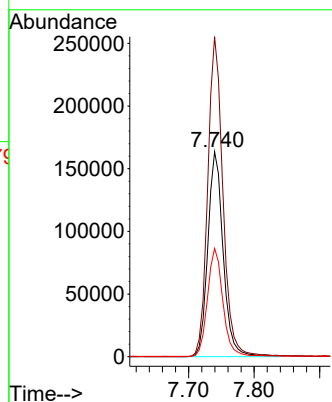
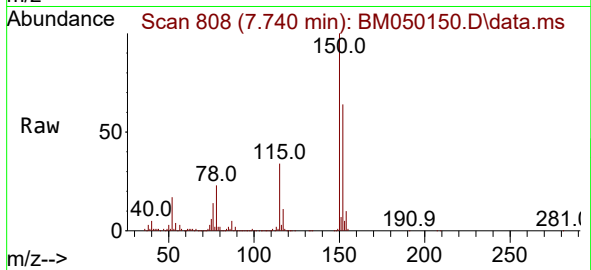




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 808
Delta R.T. -0.029 min
Lab File: BM050150.D
Acq: 08 May 2025 17:19

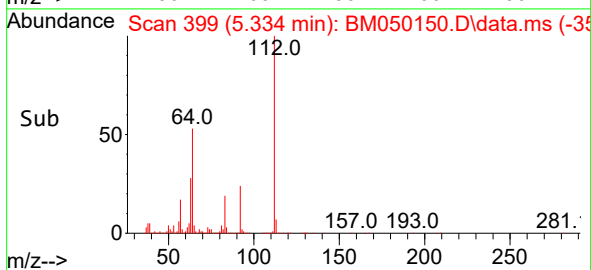
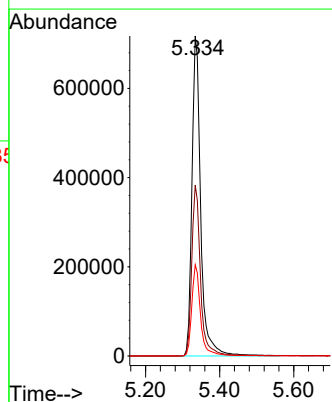
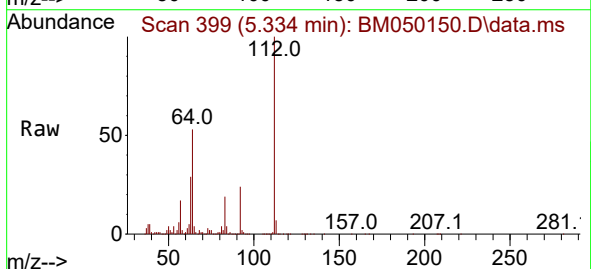
Instrument :
BNA_M
ClientSampleId :
WC-B-7

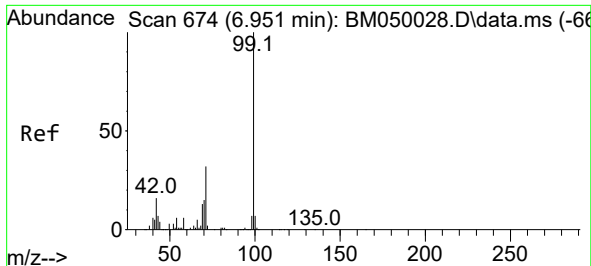
Tgt Ion:152 Resp: 266907
Ion Ratio Lower Upper
152 100
150 156.2 124.1 186.1
115 52.9 41.2 61.8



#5
2-Fluorophenol
Concen: 77.457 ng
RT: 5.334 min Scan# 399
Delta R.T. -0.023 min
Lab File: BM050150.D
Acq: 08 May 2025 17:19

Tgt Ion:112 Resp: 1180638
Ion Ratio Lower Upper
112 100
64 53.4 42.6 64.0
63 28.5 22.2 33.4



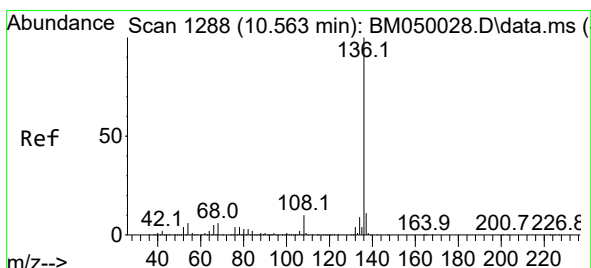
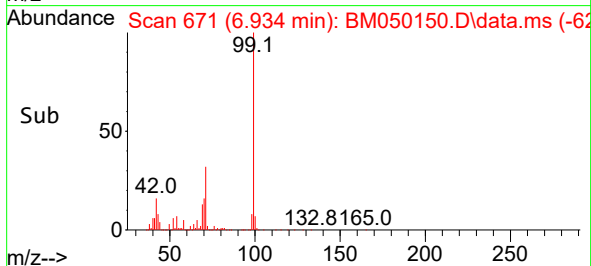
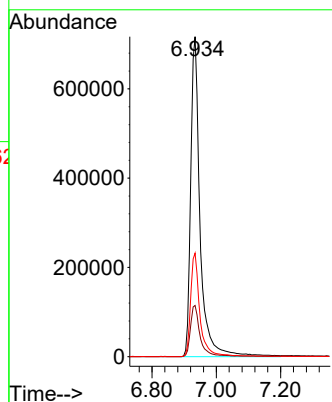
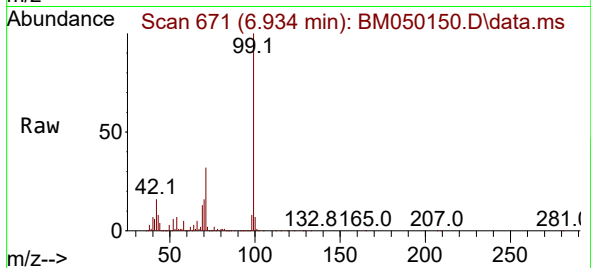


#7
Phenol-d6
Concen: 76.167 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050150.D
Acq: 08 May 2025 17:19

Instrument :
BNA_M
ClientSampleId :
WC-B-7

Tgt Ion: 99 Resp: 1459187

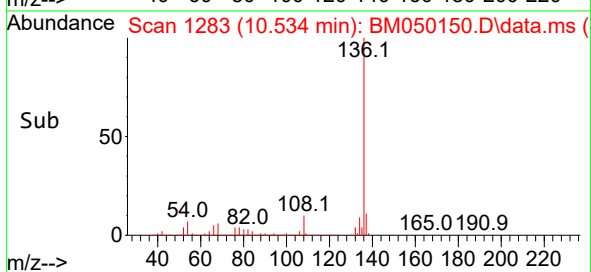
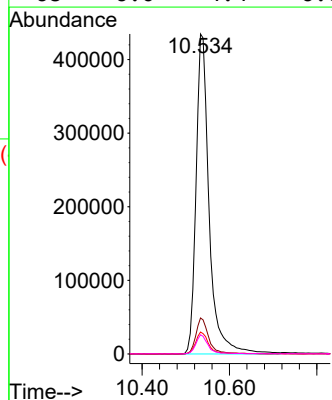
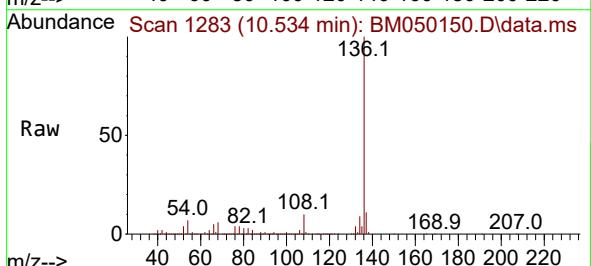
Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.0	19.4
71	32.3	25.6	38.4

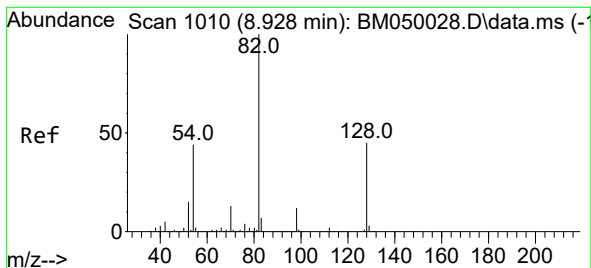


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1283
Delta R.T. -0.029 min
Lab File: BM050150.D
Acq: 08 May 2025 17:19

Tgt Ion: 136 Resp: 908270

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	6.8	5.1	7.7
68	6.0	4.4	6.6





#23

Nitrobenzene-d5

Concen: 47.740 ng

RT: 8.904 min Scan# 1006

Delta R.T. -0.023 min

Lab File: BM050150.D

Acq: 08 May 2025 17:19

Instrument :

BNA_M

ClientSampleId :

WC-B-7

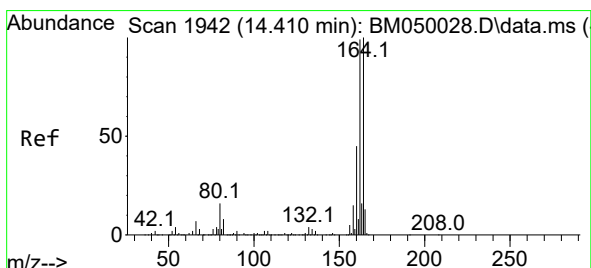
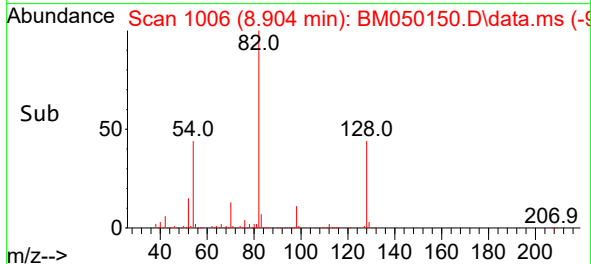
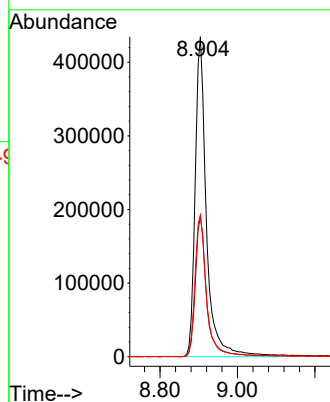
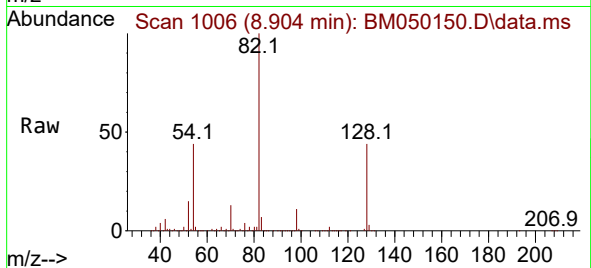
Tgt Ion: 82 Resp: 879952

Ion Ratio Lower Upper

82 100

128 43.8 35.7 53.5

54 44.2 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: BM050150.D

Acq: 08 May 2025 17:19

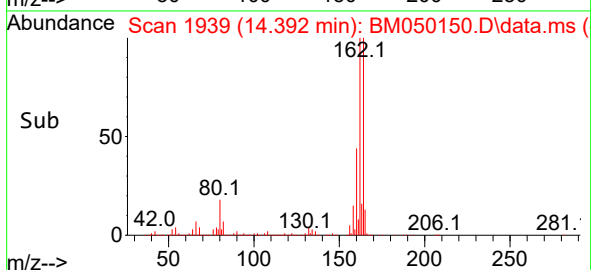
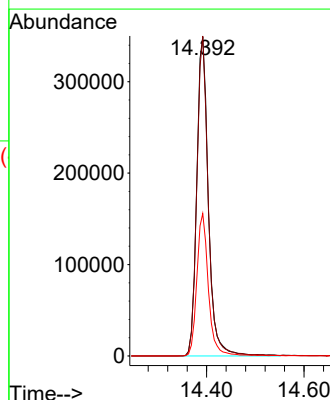
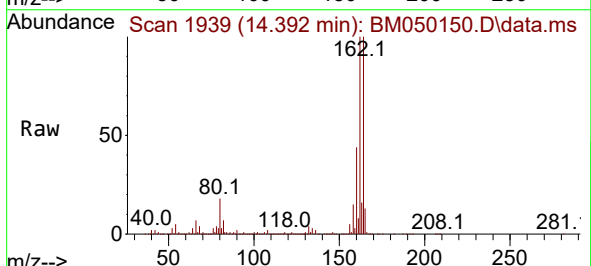
Tgt Ion: 164 Resp: 581364

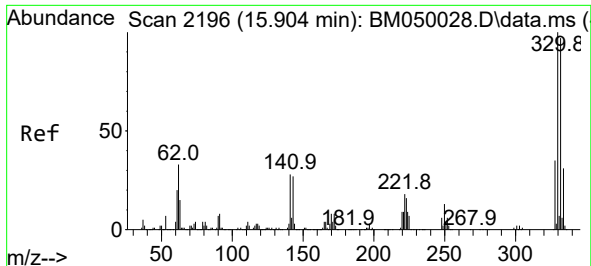
Ion Ratio Lower Upper

164 100

162 100.3 79.4 119.0

160 44.7 36.2 54.4

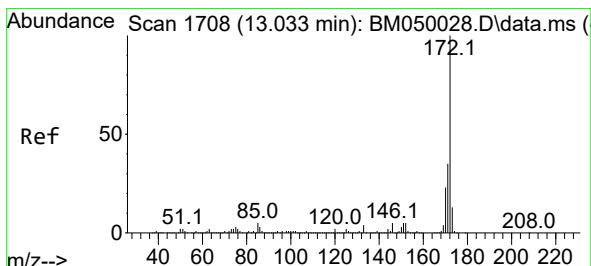
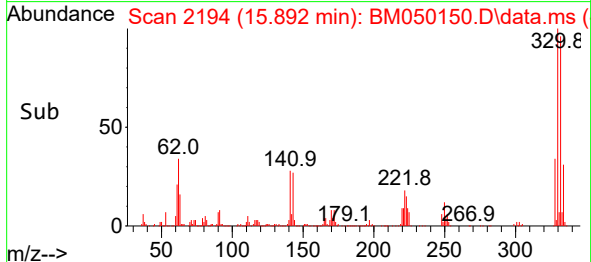
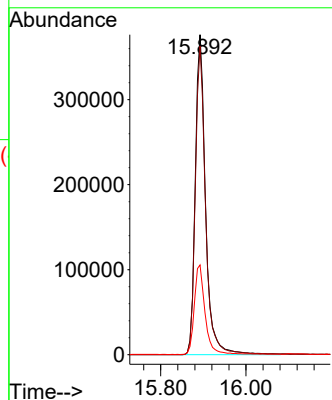
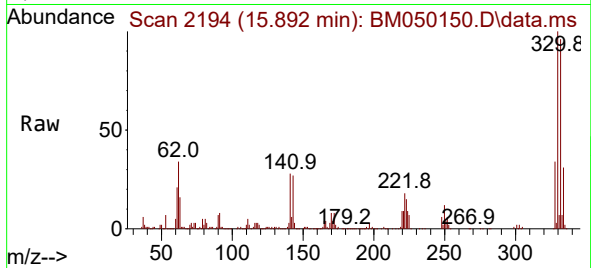




#42
2,4,6-Tribromophenol
Concen: 73.532 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050150.D
Acq: 08 May 2025 17:19

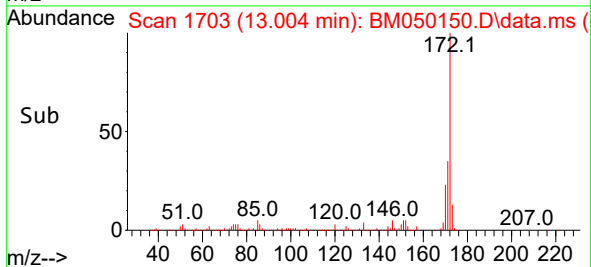
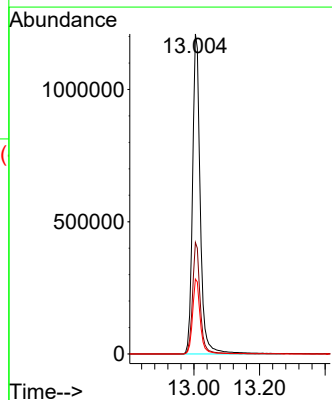
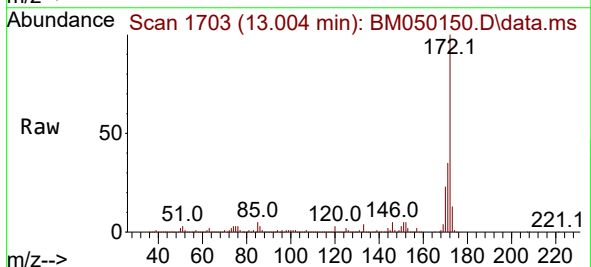
Instrument :
BNA_M
ClientSampleId :
WC-B-7

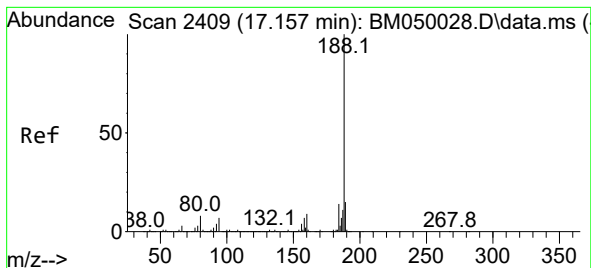
Tgt Ion:330 Resp: 632098
Ion Ratio Lower Upper
330 100
332 96.2 77.3 115.9
141 29.6 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 40.392 ng
RT: 13.004 min Scan# 1703
Delta R.T. -0.029 min
Lab File: BM050150.D
Acq: 08 May 2025 17:19

Tgt Ion:172 Resp: 1984995
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.6
170 23.4 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.139 min Scan# 24

Delta R.T. -0.018 min

Lab File: BM050150.D

Acq: 08 May 2025 17:19

Instrument :

BNA_M

ClientSampleId :

WC-B-7

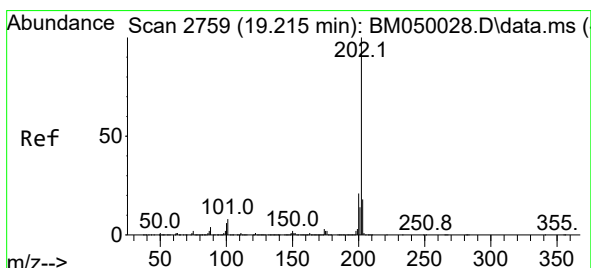
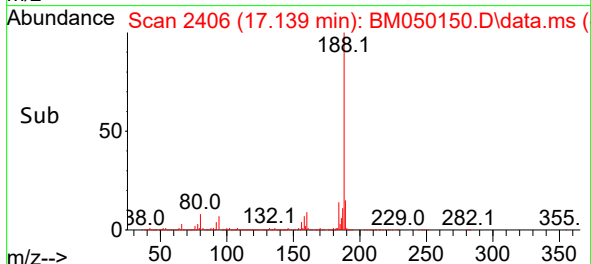
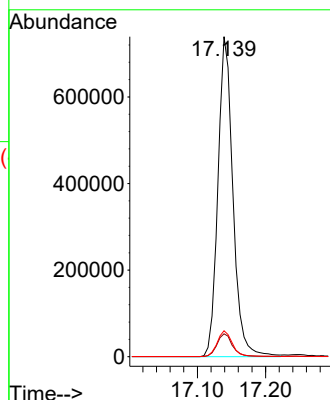
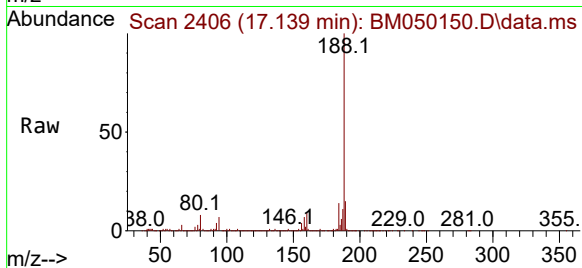
Tgt Ion:188 Resp: 1134296

Ion Ratio Lower Upper

188 100

94 7.2 5.7 8.5

80 8.1 6.2 9.4



#75

Fluoranthene

Concen: 2.825 ng

RT: 19.204 min Scan# 2757

Delta R.T. -0.012 min

Lab File: BM050150.D

Acq: 08 May 2025 17:19

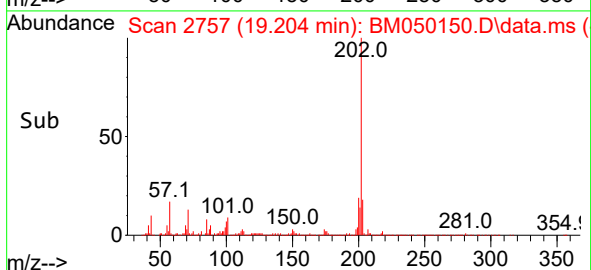
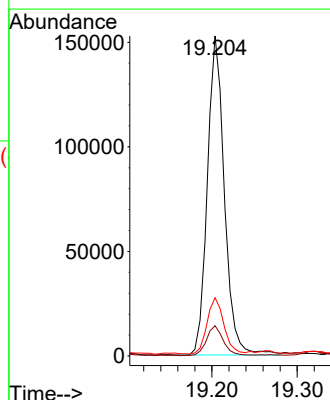
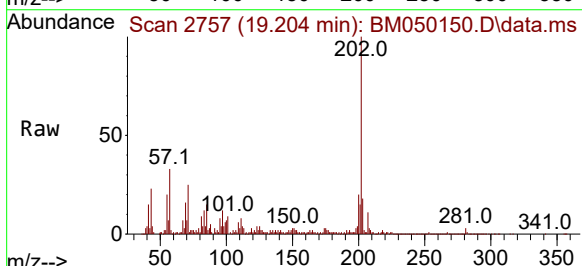
Tgt Ion:202 Resp: 212180

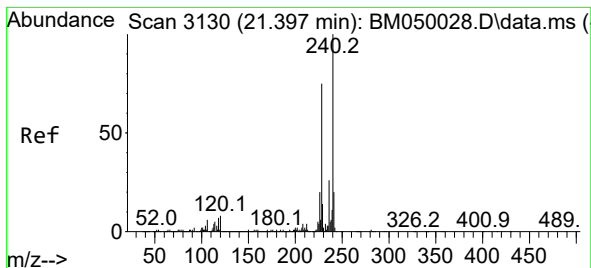
Ion Ratio Lower Upper

202 100

101 9.4 0.0 28.0

203 18.2 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 31

Delta R.T. -0.011 min

Lab File: BM050150.D

Acq: 08 May 2025 17:19

Instrument :

BNA_M

ClientSampleId :

WC-B-7

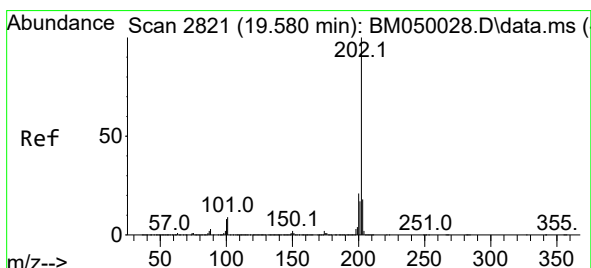
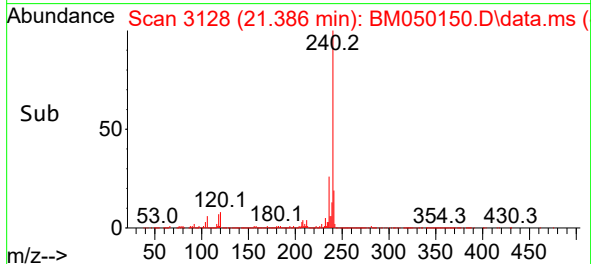
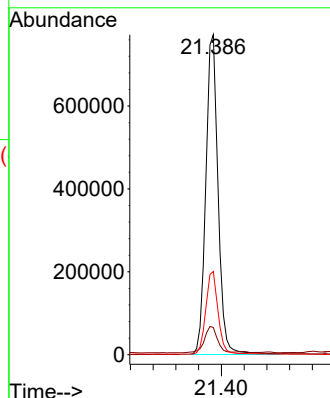
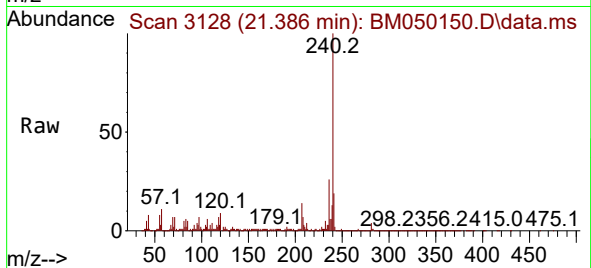
Tgt Ion:240 Resp: 1154389

Ion Ratio Lower Upper

240 100

120 8.5 6.5 9.7

236 26.0 20.9 31.3



#78

Pyrene

Concen: 2.426 ng

RT: 19.568 min Scan# 2819

Delta R.T. -0.012 min

Lab File: BM050150.D

Acq: 08 May 2025 17:19

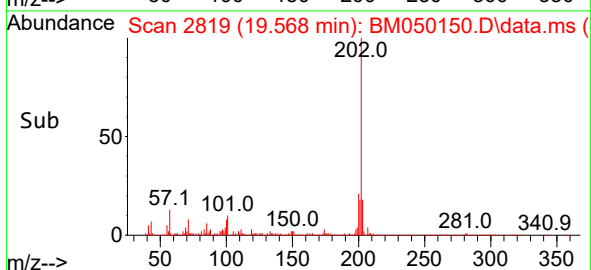
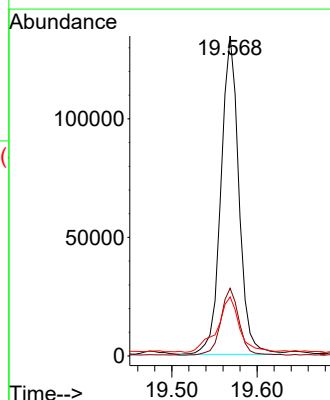
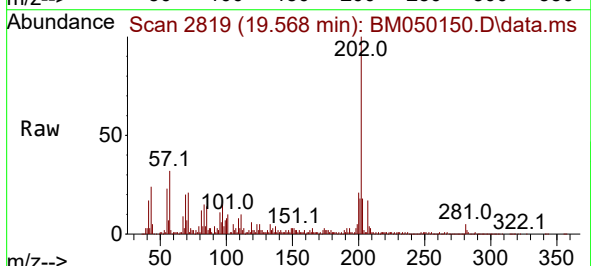
Tgt Ion:202 Resp: 196629

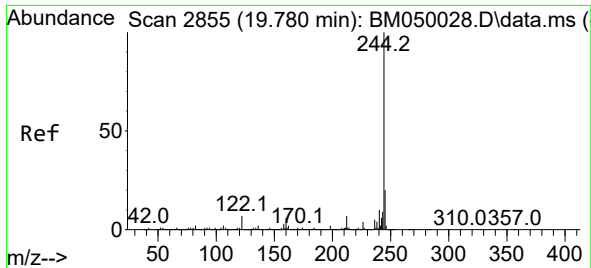
Ion Ratio Lower Upper

202 100

200 21.2 16.7 25.1

203 18.5 14.1 21.1

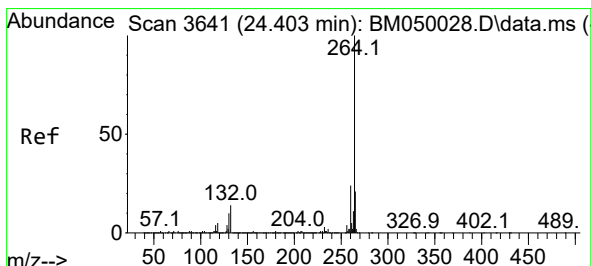
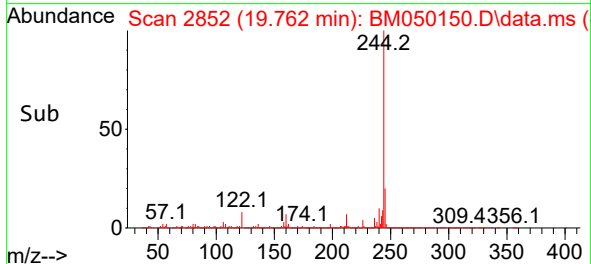
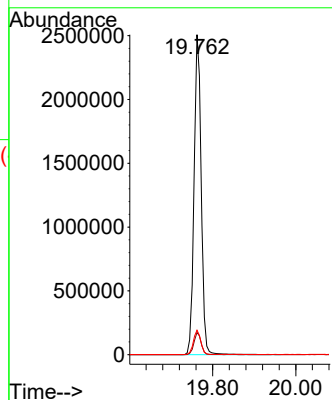
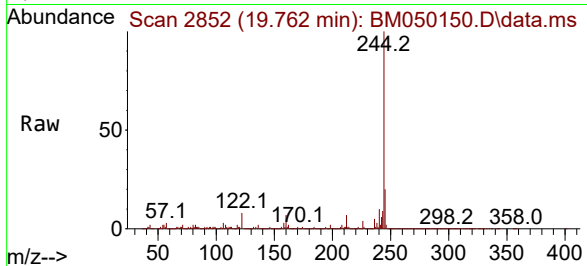




#79
 Terphenyl-d14
 Concen: 38.348 ng
 RT: 19.762 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM050150.D
 Acq: 08 May 2025 17:19

Instrument :
 BNA_M
 ClientSampleId :
 WC-B-7

Tgt Ion:244 Resp: 2991653
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 7.7 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: BM050150.D
 Acq: 08 May 2025 17:19

Tgt Ion:264 Resp: 1246142
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.8 28.2
 265 23.0 17.0 25.4

