

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
 Data File : BM050442.D
 Acq On : 15 Jul 2025 01:33
 Operator : RC/JU
 Sample : Q2519-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-15

Quant Time: Jul 15 02:57:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 08 18:32:25 2025
 Response via : Initial Calibration

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

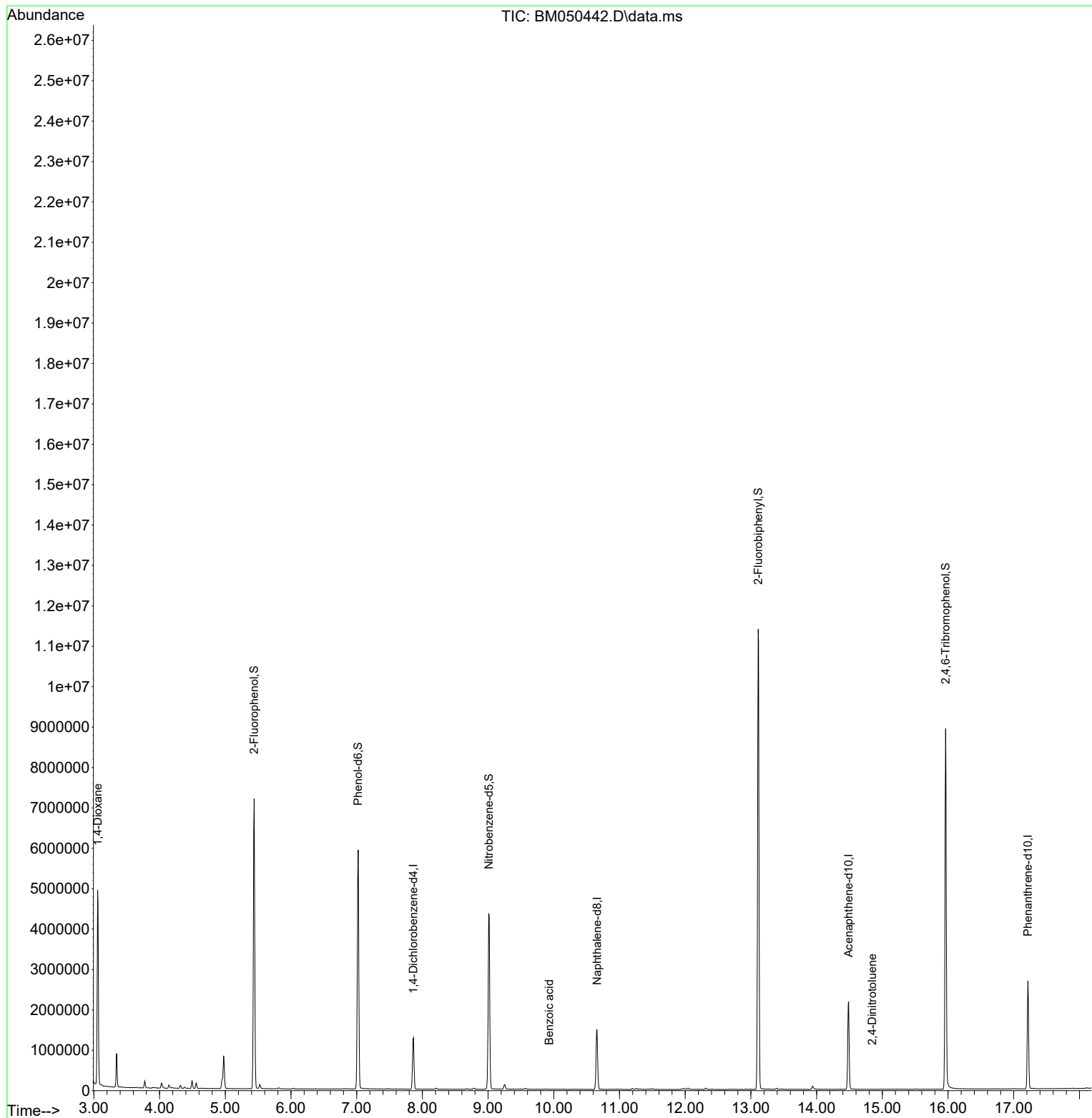
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	348353	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1225834	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	770901	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1538605	20.000	ng	-0.01
76) Chrysene-d12	21.439	240	1513236	20.000	ng	-0.02
86) Perylene-d12	24.462	264	1551801	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	2898913	143.244	ng	0.00
7) Phenol-d6	7.022	99	3196934	125.313	ng	0.00
23) Nitrobenzene-d5	9.010	82	2404872	100.089	ng	-0.01
42) 2,4,6-Tribromophenol	15.963	330	1596691	170.468	ng	-0.01
45) 2-Fluorobiphenyl	13.110	172	5949058	95.300	ng	-0.01
79) Terphenyl-d14	19.827	244	9641844	112.107	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.057	88	31185	3.747	ng	# 1
32) Benzoic acid	9.928	122	1264	6.071	ng	# 66
57) 2,4-Dinitrotoluene	14.845	165	142	2.733	ng	# 25

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

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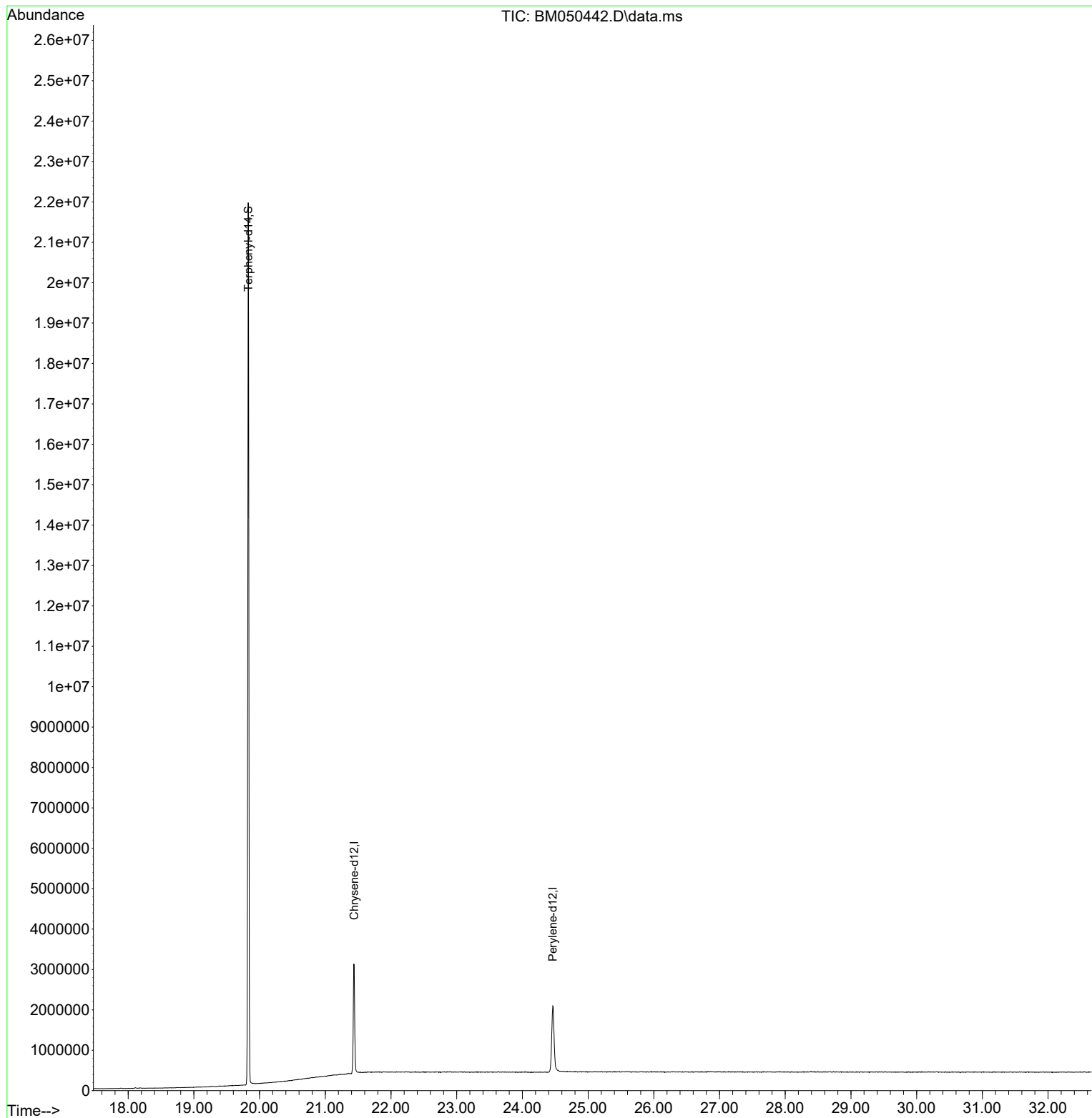
Quant Time: Jul 15 02:57:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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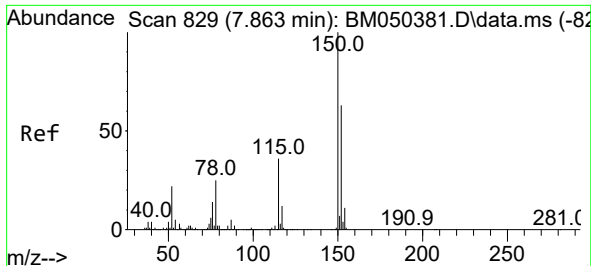


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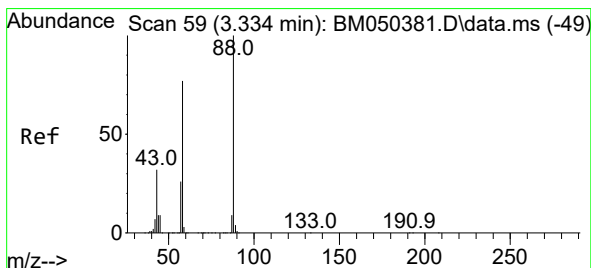
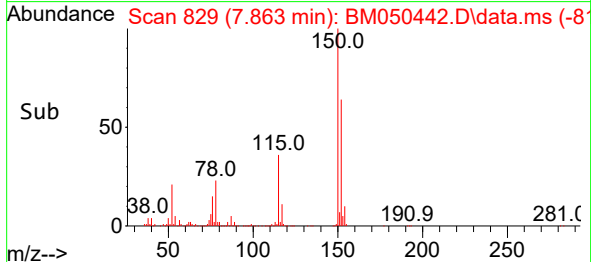
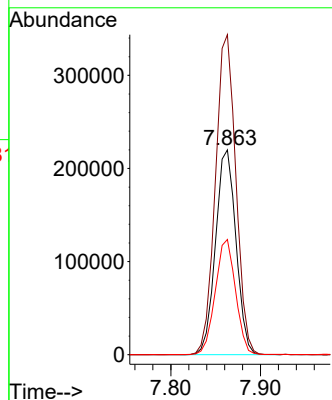
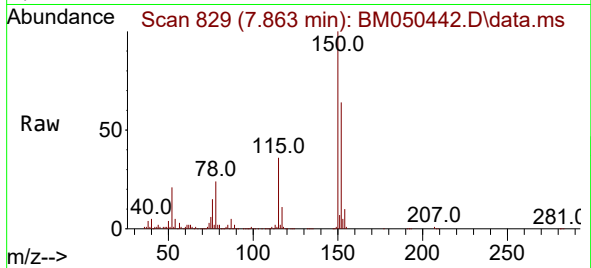




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.863 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BM050442.D
 Acq: 15 Jul 2025 01:33

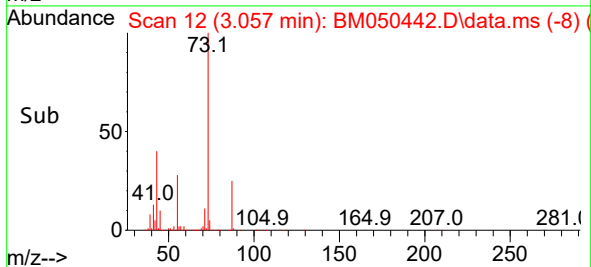
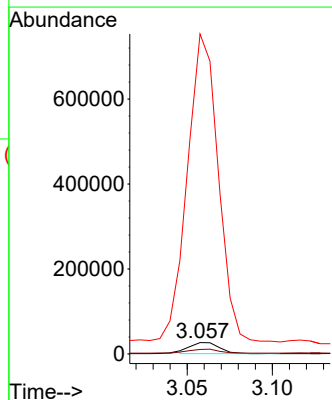
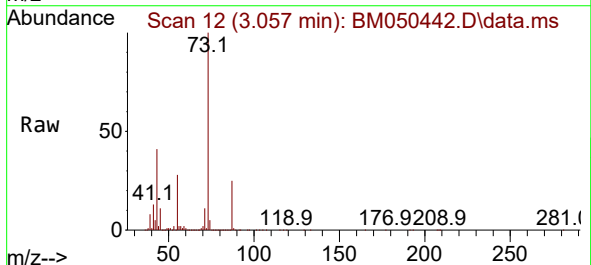
Instrument :
 BNA_M
 ClientSampleId :
 TP-15

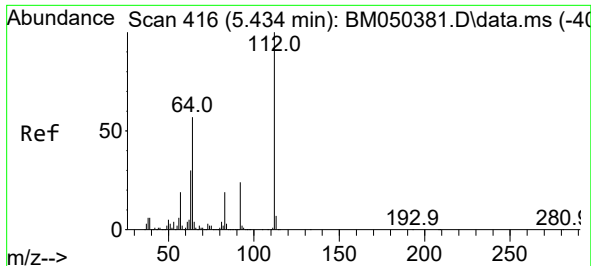
Tgt Ion:152 Resp: 348353
 Ion Ratio Lower Upper
 152 100
 150 156.2 126.2 189.4
 115 56.2 45.8 68.8



#2
 1,4-Dioxane
 Concen: 3.747 ng
 RT: 3.057 min Scan# 12
 Delta R.T. -0.276 min
 Lab File: BM050442.D
 Acq: 15 Jul 2025 01:33

Tgt Ion: 88 Resp: 31185
 Ion Ratio Lower Upper
 88 100
 58 34.6 61.0 91.6#
 43 2652.4 24.6 37.0#

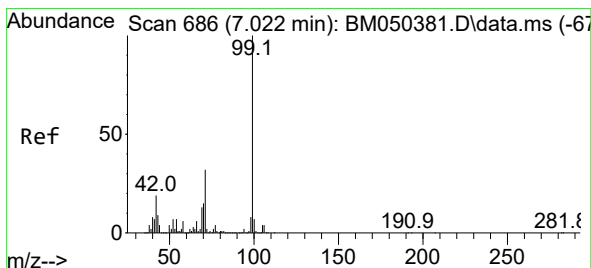
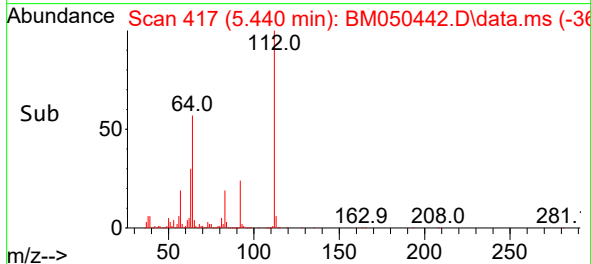
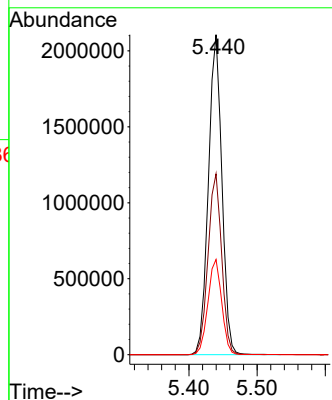
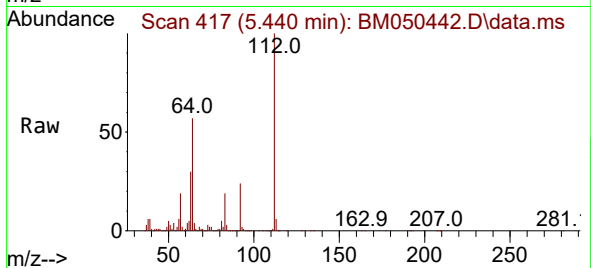




#5
2-Fluorophenol
Concen: 143.244 ng
RT: 5.440 min Scan# 416
Delta R.T. 0.006 min
Lab File: BM050442.D
Acq: 15 Jul 2025 01:33

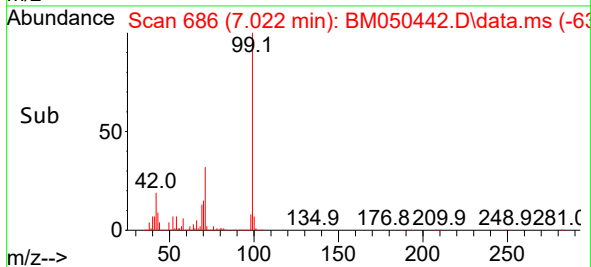
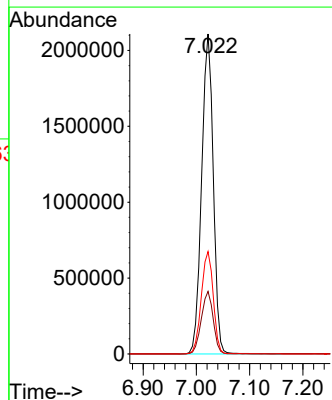
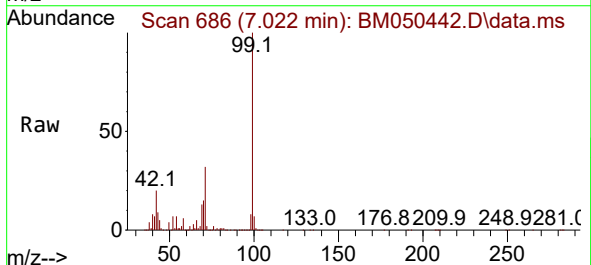
Instrument :
BNA_M
ClientSampleId :
TP-15

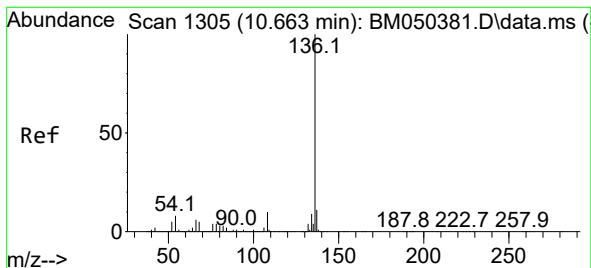
Tgt Ion:112 Resp: 2898913
Ion Ratio Lower Upper
112 100
64 56.5 45.5 68.3
63 29.7 24.2 36.4



#7
Phenol-d6
Concen: 125.313 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
Lab File: BM050442.D
Acq: 15 Jul 2025 01:33

Tgt Ion: 99 Resp: 3196934
Ion Ratio Lower Upper
99 100
42 19.5 15.0 22.6
71 32.0 25.9 38.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.657 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM050442.D

Acq: 15 Jul 2025 01:33

Instrument :

BNA_M

ClientSampleId :

TP-15

Tgt Ion:136 Resp: 1225834

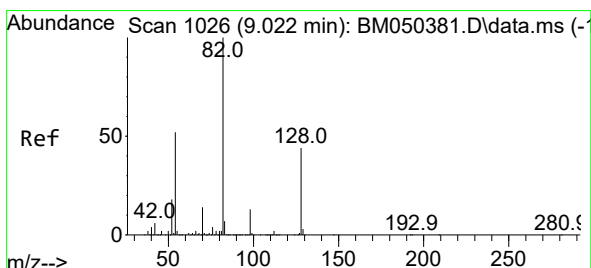
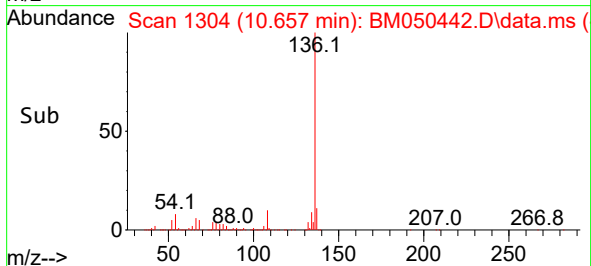
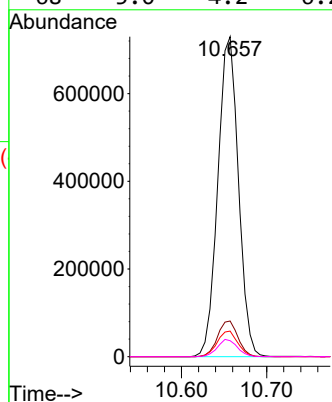
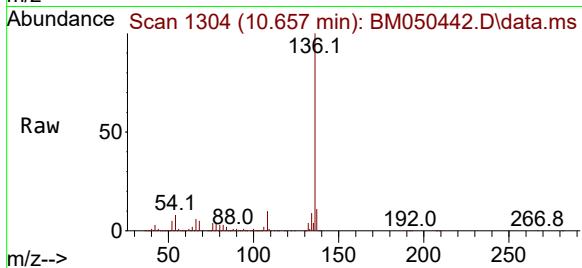
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.0 6.3 9.5

68 5.0 4.2 6.2



#23

Nitrobenzene-d5

Concen: 100.089 ng

RT: 9.010 min Scan# 1024

Delta R.T. -0.012 min

Lab File: BM050442.D

Acq: 15 Jul 2025 01:33

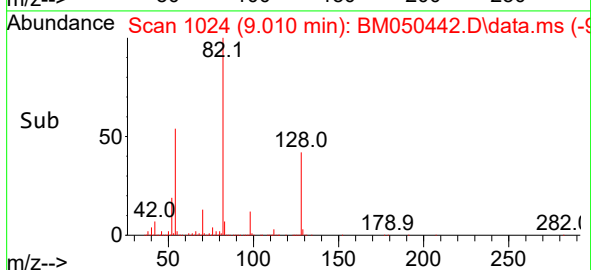
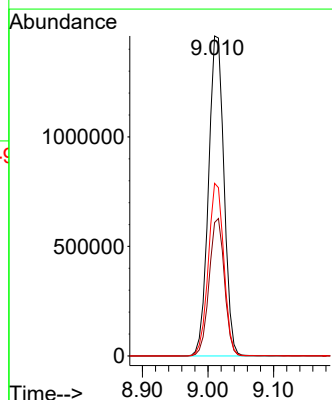
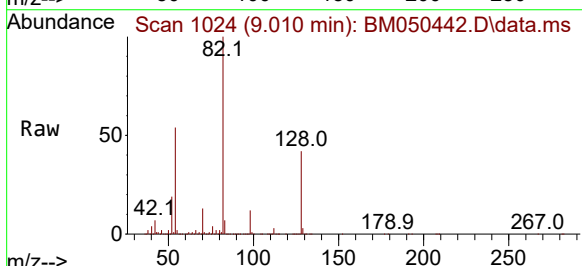
Tgt Ion: 82 Resp: 2404872

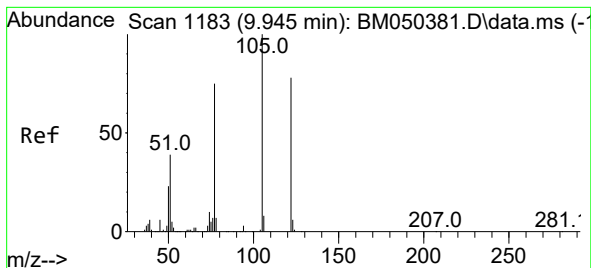
Ion Ratio Lower Upper

82 100

128 41.7 35.2 52.8

54 53.9 41.5 62.3





#32

Benzoic acid

Concen: 6.071 ng

RT: 9.928 min Scan# 1183

Delta R.T. -0.017 min

Lab File: BM050442.D

Acq: 15 Jul 2025 01:33

Instrument :

BNA_M

ClientSampleId :

TP-15

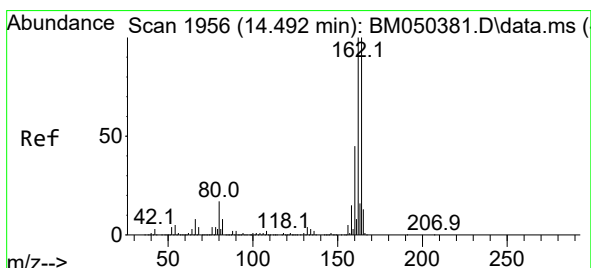
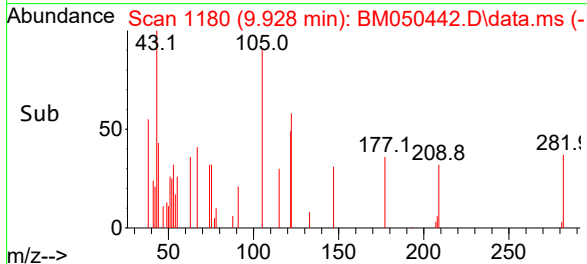
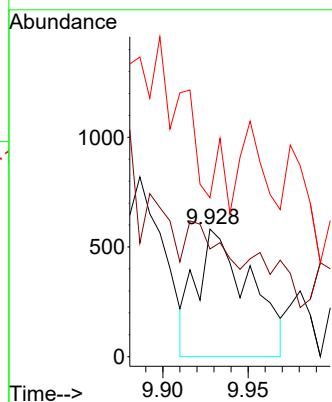
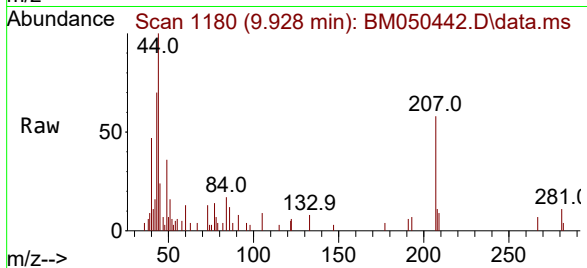
Tgt Ion:122 Resp: 1264

Ion Ratio Lower Upper

122 100

105 84.5 104.0 144.0#

77 124.6 73.8 113.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.486 min Scan# 1955

Delta R.T. -0.006 min

Lab File: BM050442.D

Acq: 15 Jul 2025 01:33

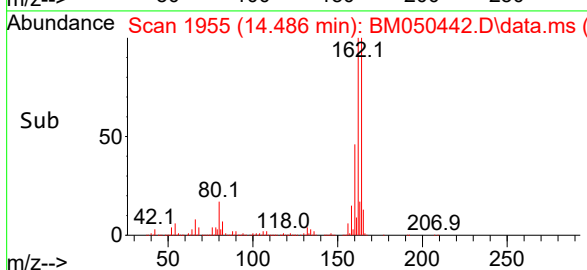
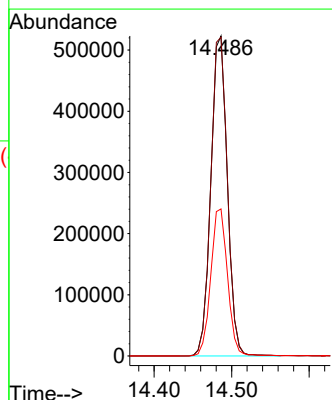
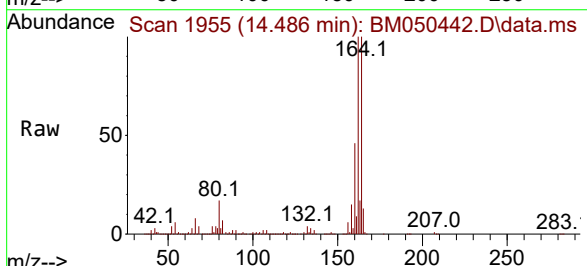
Tgt Ion:164 Resp: 770901

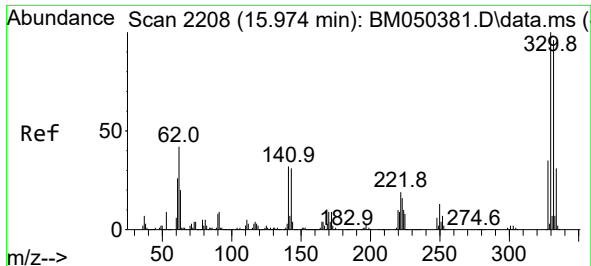
Ion Ratio Lower Upper

164 100

162 99.6 79.9 119.9

160 45.9 36.2 54.4

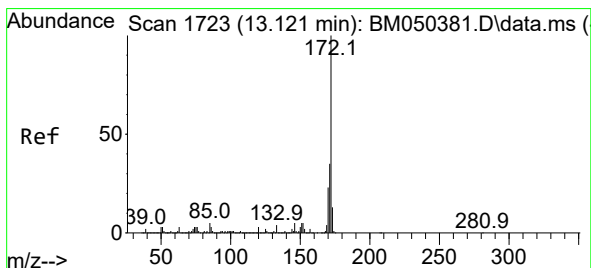
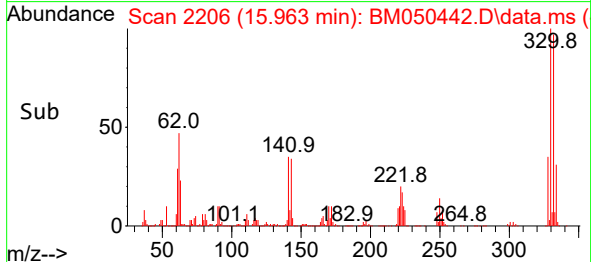
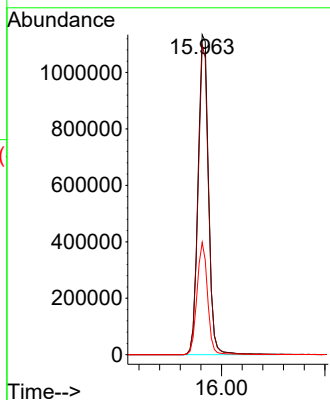
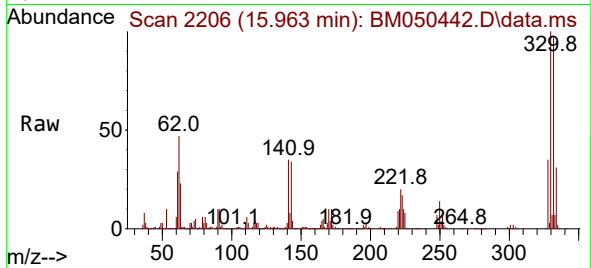




#42
2,4,6-Tribromophenol
Concen: 170.468 ng
RT: 15.963 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050442.D
Acq: 15 Jul 2025 01:33

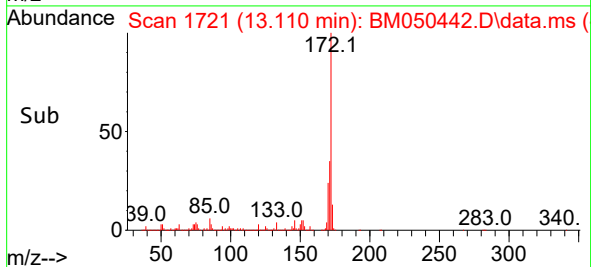
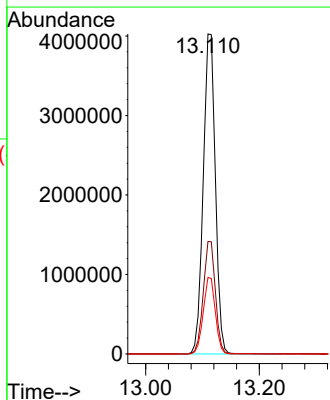
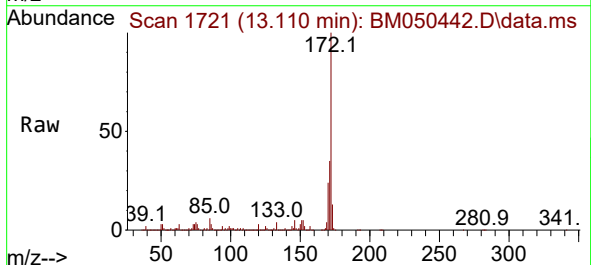
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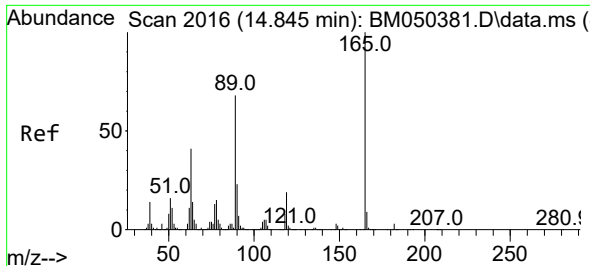
Tgt Ion:330 Resp: 1596691
Ion Ratio Lower Upper
330 100
332 96.0 76.9 115.3
141 35.3 27.4 41.0



#45
2-Fluorobiphenyl
Concen: 95.300 ng
RT: 13.110 min Scan# 1721
Delta R.T. -0.012 min
Lab File: BM050442.D
Acq: 15 Jul 2025 01:33

Tgt Ion:172 Resp: 5949058
Ion Ratio Lower Upper
172 100
171 35.1 27.7 41.5
170 23.9 18.8 28.2

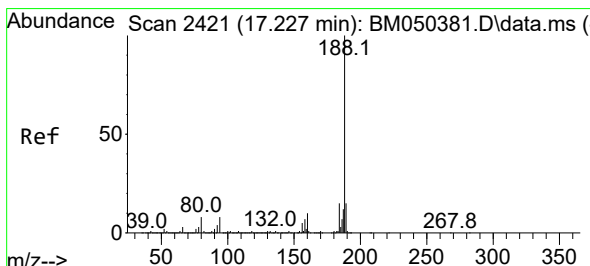
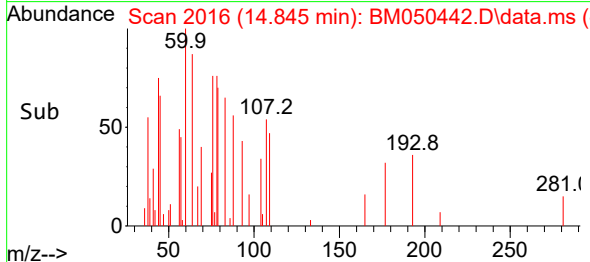
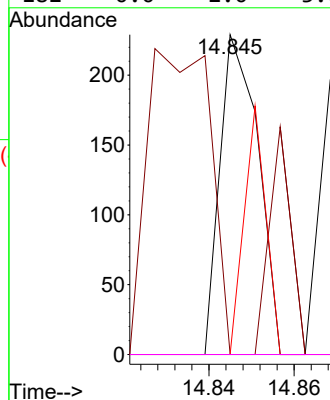
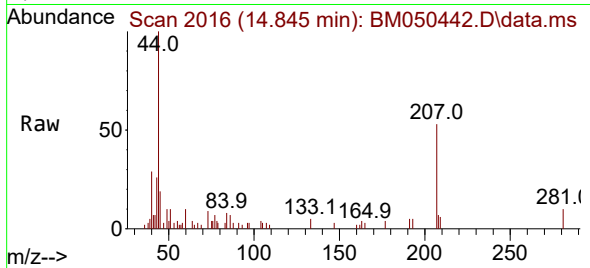




#57
2,4-Dinitrotoluene
Concen: 2.733 ng
RT: 14.845 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BM050442.D
Acq: 15 Jul 2025 01:33

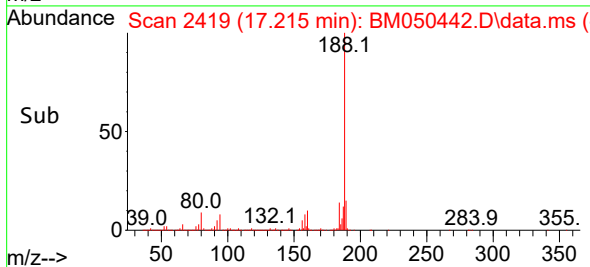
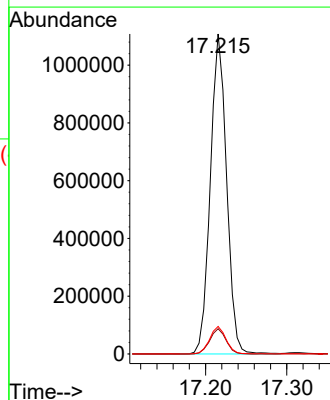
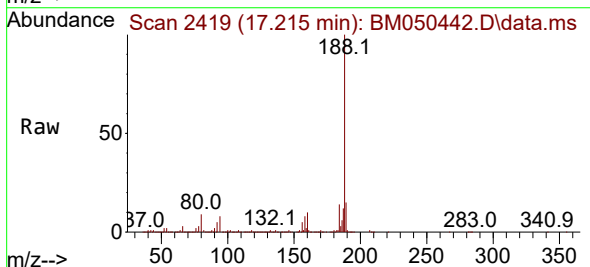
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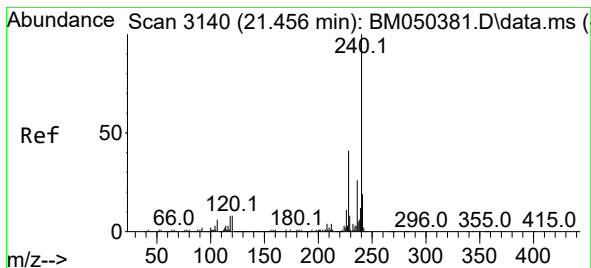
Tgt Ion:165 Resp: 142
Ion Ratio Lower Upper
165 100
63 0.0 32.5 48.7#
89 0.0 54.0 81.0#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2419
Delta R.T. -0.012 min
Lab File: BM050442.D
Acq: 15 Jul 2025 01:33

Tgt Ion:188 Resp: 1538605
Ion Ratio Lower Upper
188 100
94 7.9 6.0 9.0
80 8.6 6.5 9.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.439 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM050442.D

Acq: 15 Jul 2025 01:33

Instrument :

BNA_M

ClientSampleId :

TP-15

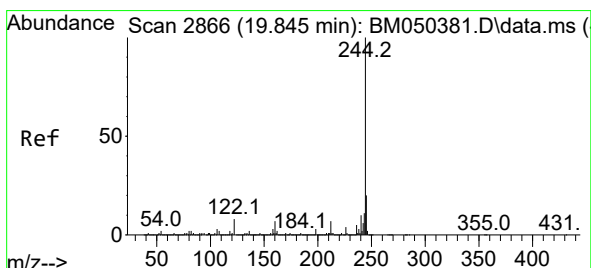
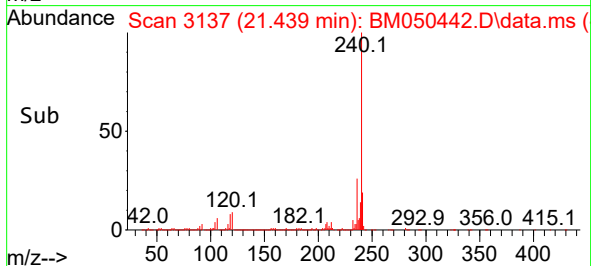
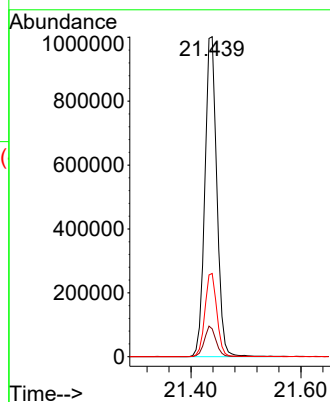
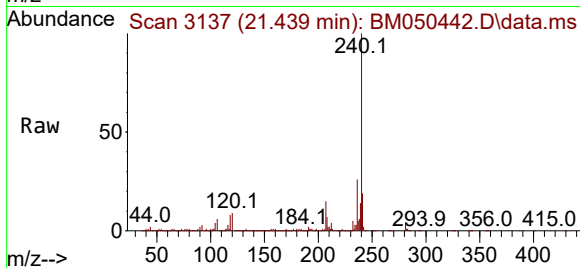
Tgt Ion:240 Resp: 1513236

Ion Ratio Lower Upper

240 100

120 8.7 6.7 10.1

236 26.0 20.7 31.1



#79

Terphenyl-d14

Concen: 112.107 ng

RT: 19.827 min Scan# 2863

Delta R.T. -0.018 min

Lab File: BM050442.D

Acq: 15 Jul 2025 01:33

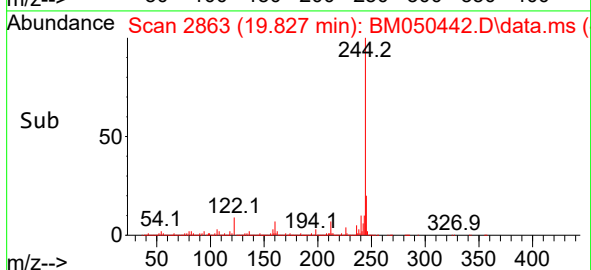
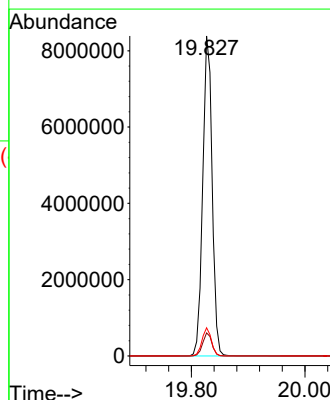
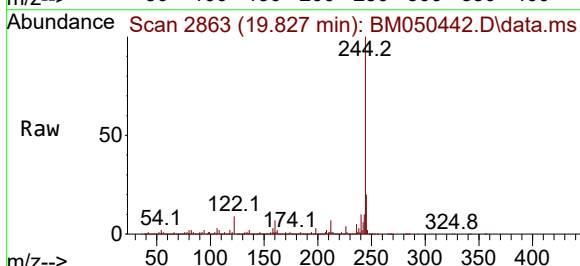
Tgt Ion:244 Resp: 9641844

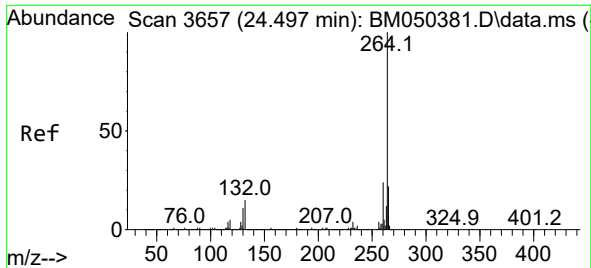
Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

122 8.8 6.2 9.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.462 min Scan# 30
Delta R.T. -0.035 min
Lab File: BM050442.D
Acq: 15 Jul 2025 01:33

Instrument :
BNA_M
ClientSampleId :
TP-15

Tgt Ion:264 Resp: 1551801

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.8	17.8	26.6

