

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
 Data File : BM050421.D
 Acq On : 14 Jul 2025 11:30
 Operator : RC/JU
 Sample : PB168813BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB168813BL

Quant Time: Jul 14 12:21:38 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)

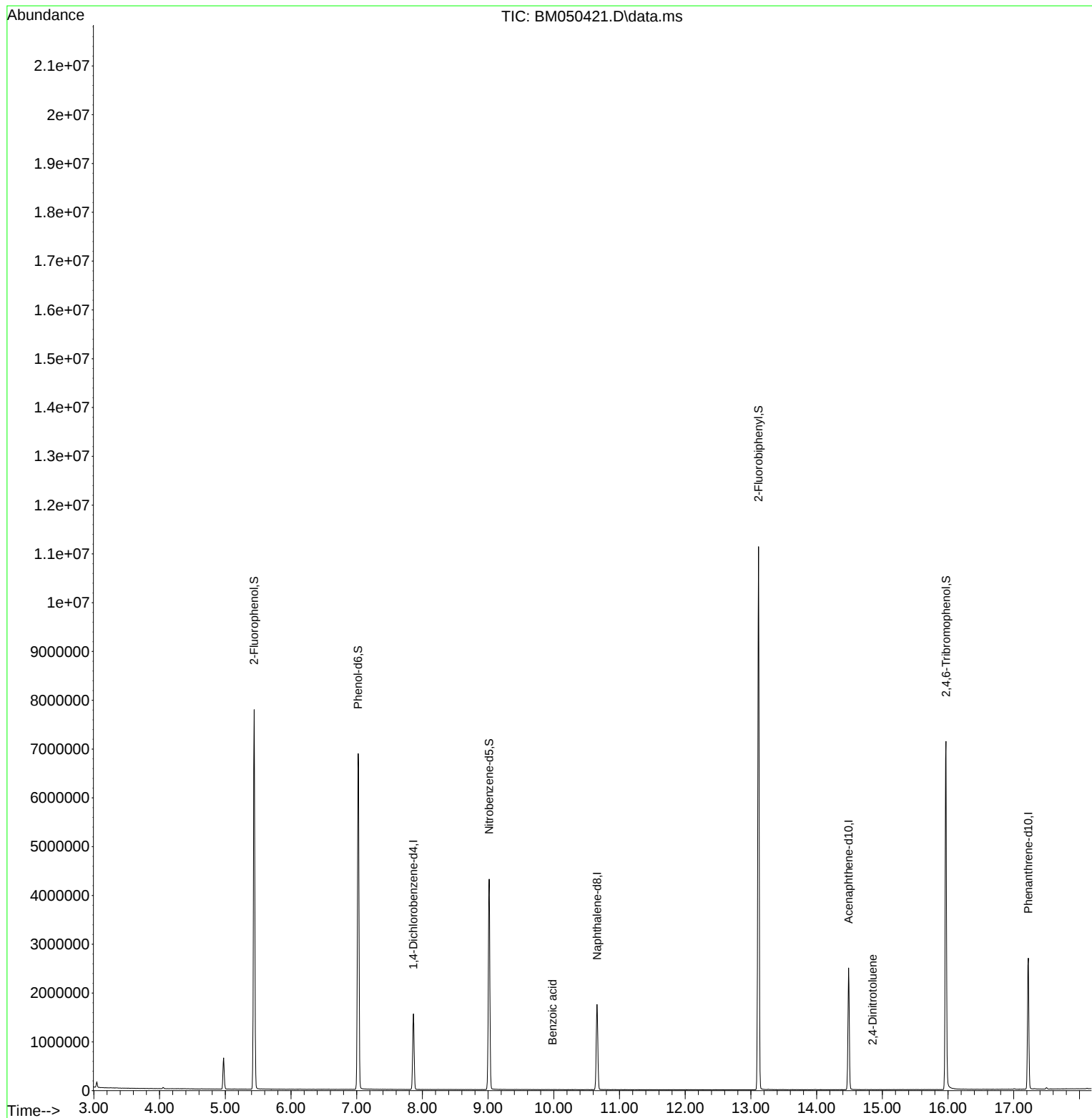
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	419463	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1475685	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	877057	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	1599531	20.000	ng	0.00
76) Chrysene-d12	21.444	240	1514225	20.000	ng	-0.01
86) Perylene-d12	24.474	264	1690499	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	3270651	134.215	ng	0.00
7) Phenol-d6	7.022	99	3958421	128.857	ng	0.00
23) Nitrobenzene-d5	9.016	82	2367637	81.855	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	1339397	125.690	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	5730288	80.685	ng	0.00
79) Terphenyl-d14	19.833	244	8087520	93.973	ng	-0.01
Target Compounds						
					Qvalue	
32) Benzoic acid	9.980	122	58	5.978	ng #	6
57) 2,4-Dinitrotoluene	14.851	165	75	2.728	ng #	30

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

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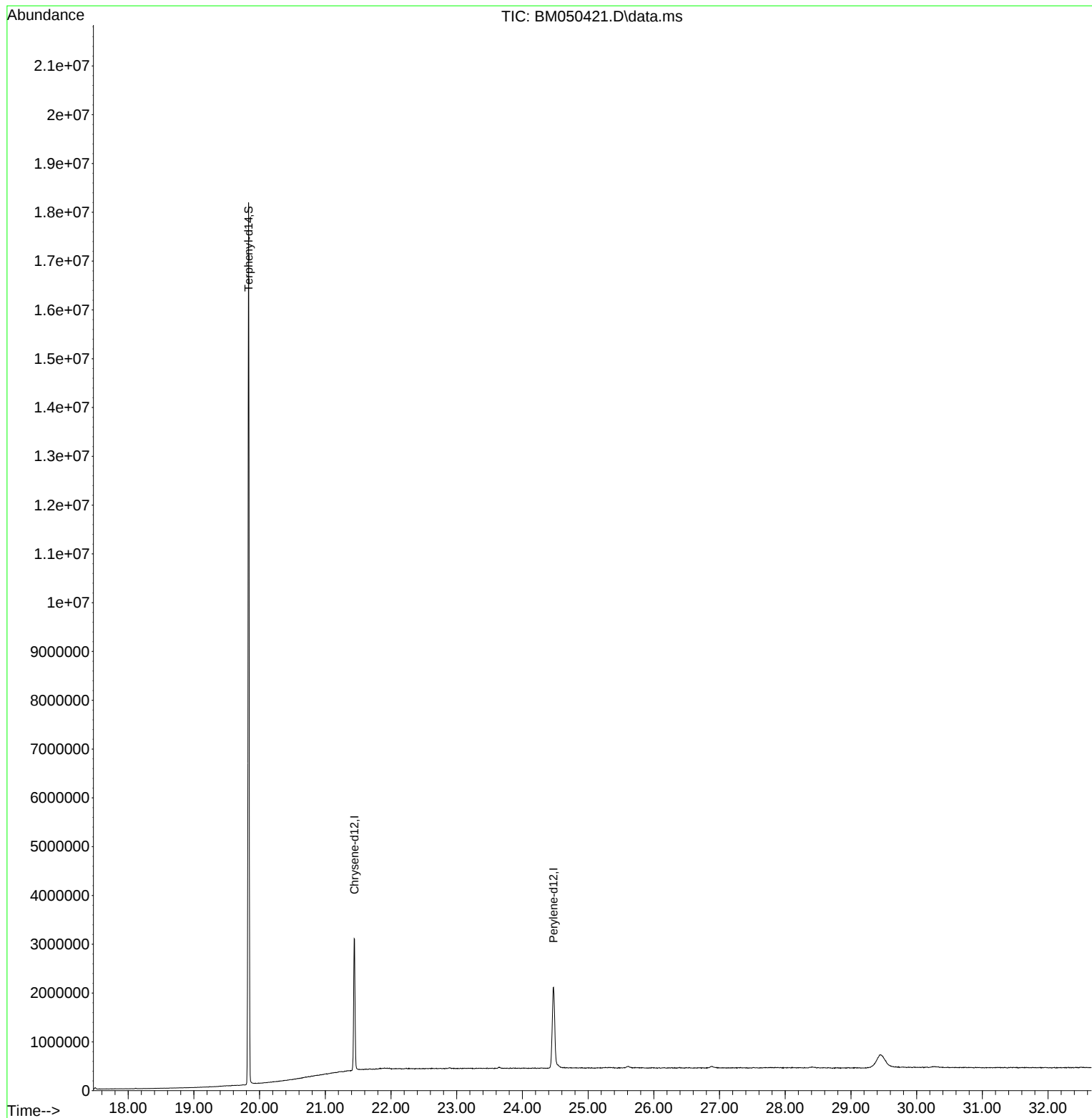
Quant Time: Jul 14 12:21:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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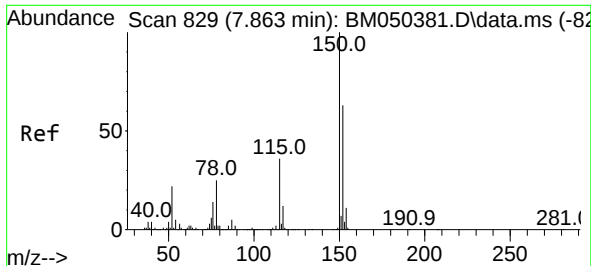


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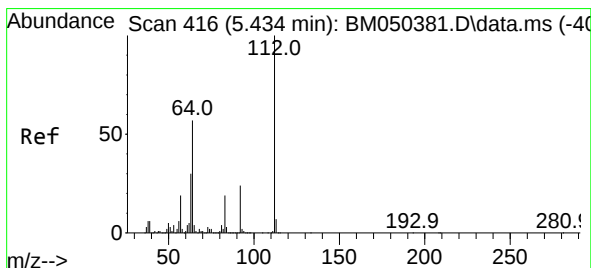
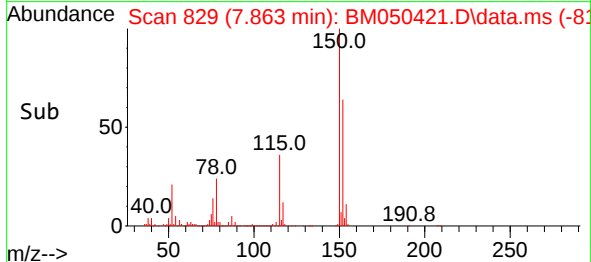
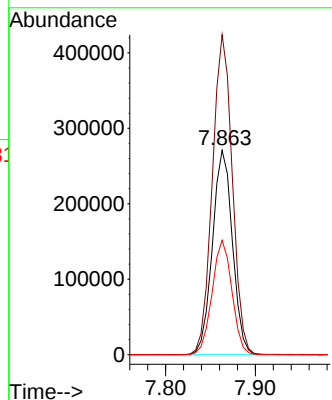
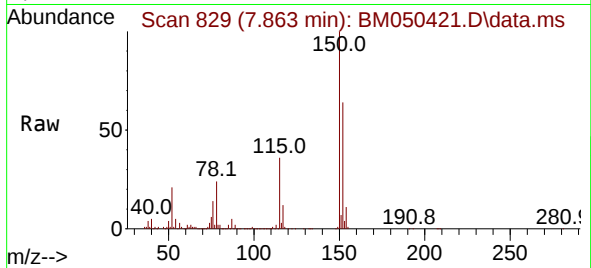




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050421.D
Acq: 14 Jul 2025 11:30

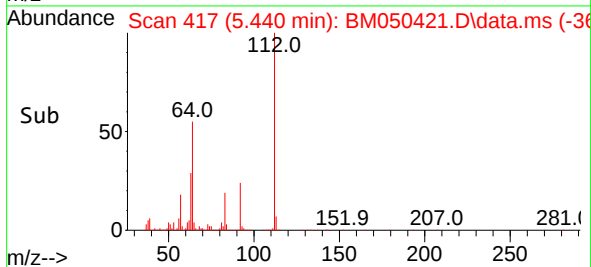
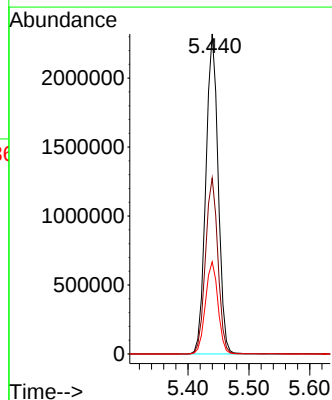
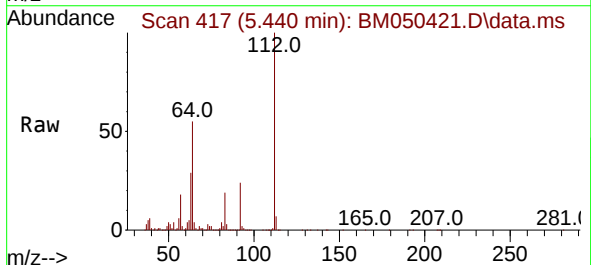
Instrument :
BNA_M
ClientSampleId :
PB168813BL

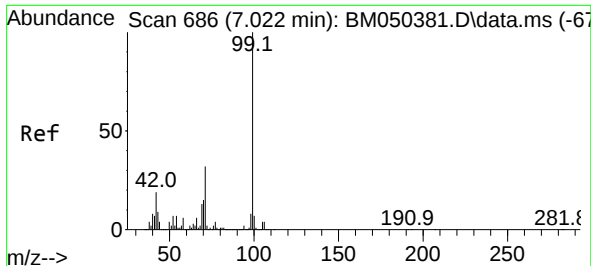
Tgt Ion:152 Resp: 419463
Ion Ratio Lower Upper
152 100
150 156.6 126.2 189.4
115 56.0 45.8 68.8



#5
2-Fluorophenol
Concen: 134.215 ng
RT: 5.440 min Scan# 417
Delta R.T. 0.006 min
Lab File: BM050421.D
Acq: 14 Jul 2025 11:30

Tgt Ion:112 Resp: 3270651
Ion Ratio Lower Upper
112 100
64 55.0 45.5 68.3
63 28.8 24.2 36.4

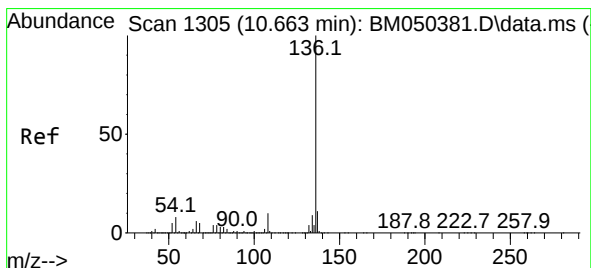
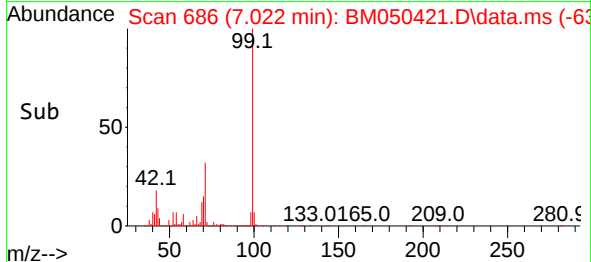
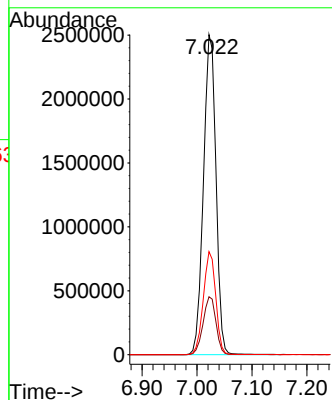
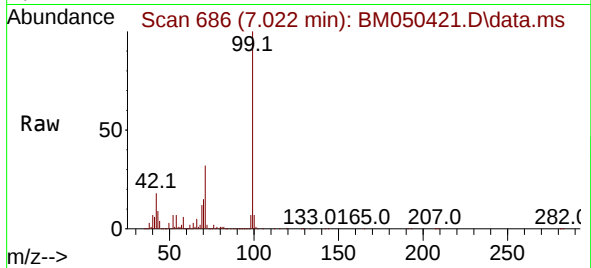




#7
Phenol-d6
Concen: 128.857 ng
RT: 7.022 min Scan# 686
Delta R.T. -0.000 min
Lab File: BM050421.D
Acq: 14 Jul 2025 11:30

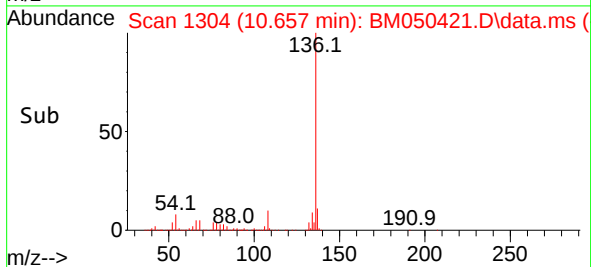
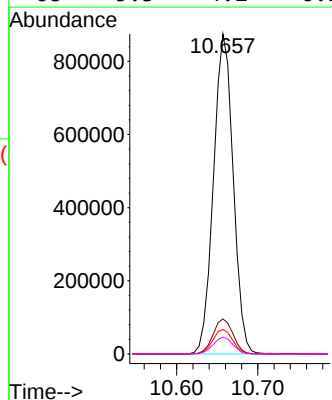
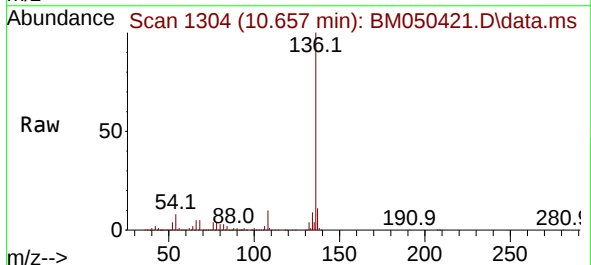
Instrument :
BNA_M
ClientSampleId :
PB168813BL

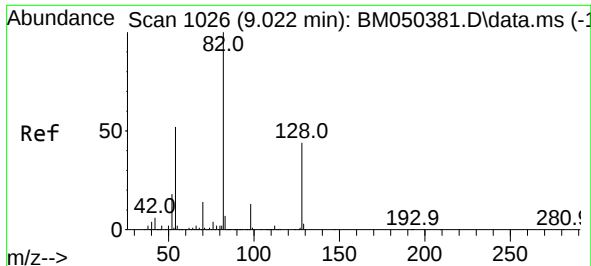
Tgt Ion: 99 Resp: 3958421
Ion Ratio Lower Upper
99 100
42 18.1 15.0 22.6
71 32.2 25.9 38.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050421.D
Acq: 14 Jul 2025 11:30

Tgt Ion: 136 Resp: 1475685
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.7 6.3 9.5
68 5.3 4.2 6.2

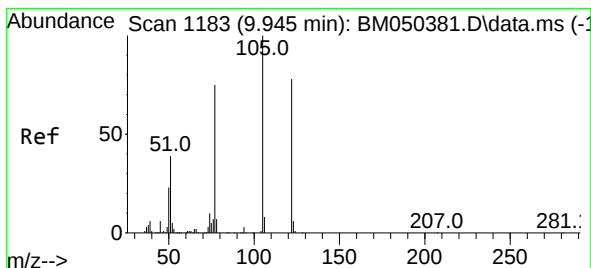
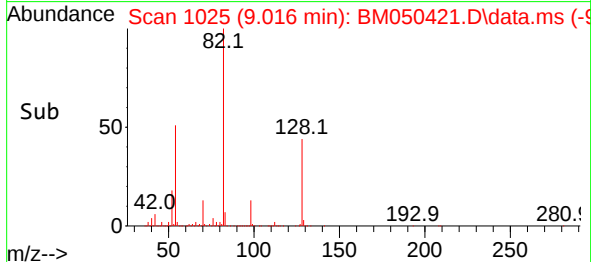
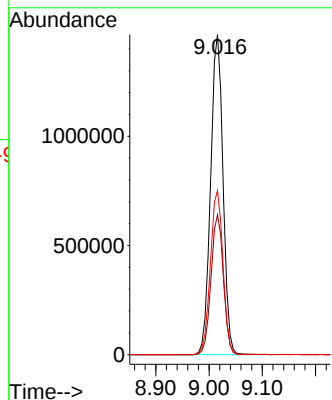
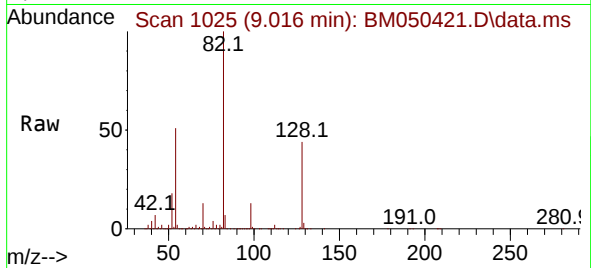




#23
Nitrobenzene-d5
Concen: 81.855 ng
RT: 9.016 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BM050421.D
Acq: 14 Jul 2025 11:30

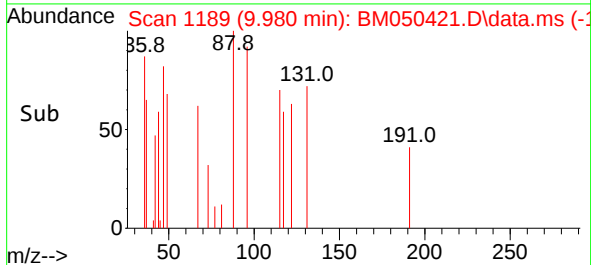
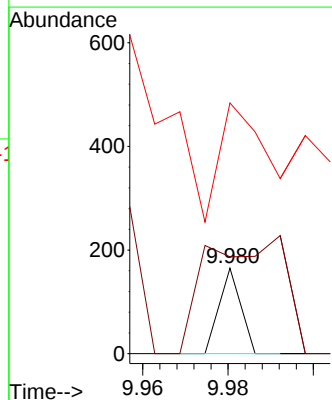
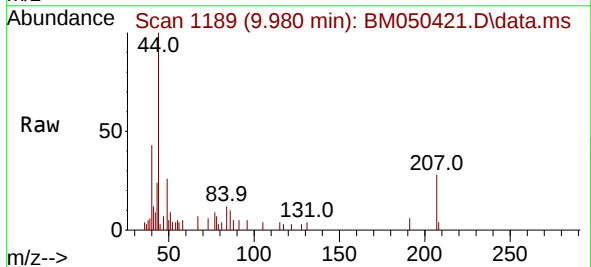
Instrument :
BNA_M
ClientSampleId :
PB168813BL

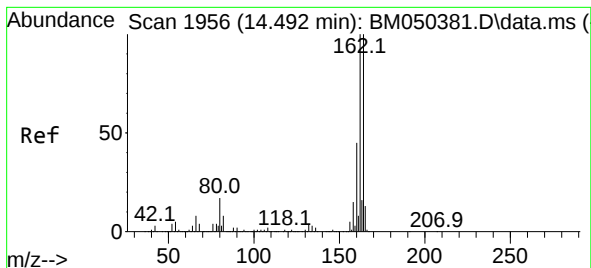
Tgt Ion: 82 Resp: 2367637
Ion Ratio Lower Upper
82 100
128 43.7 35.2 52.8
54 51.3 41.5 62.3



#32
Benzoic acid
Concen: 5.978 ng
RT: 9.980 min Scan# 1189
Delta R.T. 0.035 min
Lab File: BM050421.D
Acq: 14 Jul 2025 11:30

Tgt Ion:122 Resp: 58
Ion Ratio Lower Upper
122 100
105 113.3 104.0 144.0
77 293.3 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: BM050421.D

Acq: 14 Jul 2025 11:30

Instrument :

BNA_M

ClientSampleId :

PB168813BL

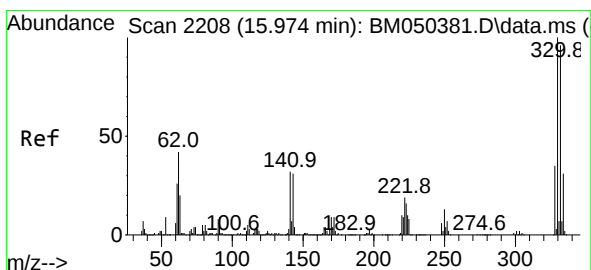
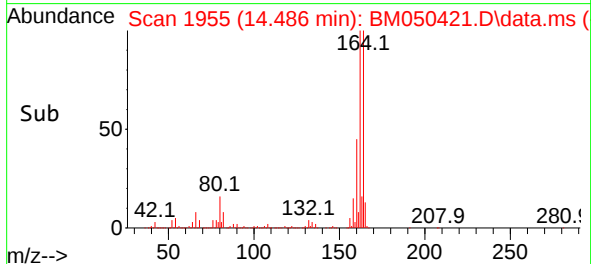
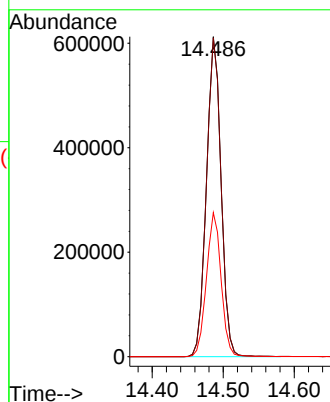
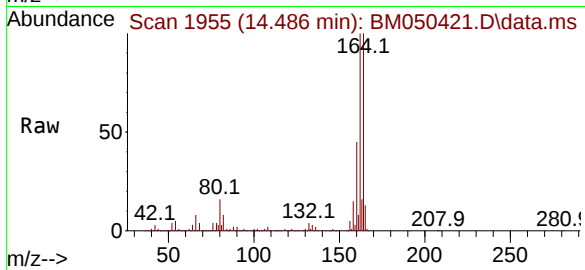
Tgt Ion:164 Resp: 877057

Ion Ratio Lower Upper

164 100

162 99.6 79.9 119.9

160 45.0 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 125.690 ng

RT: 15.968 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BM050421.D

Acq: 14 Jul 2025 11:30

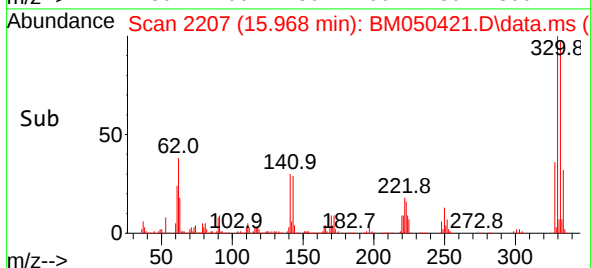
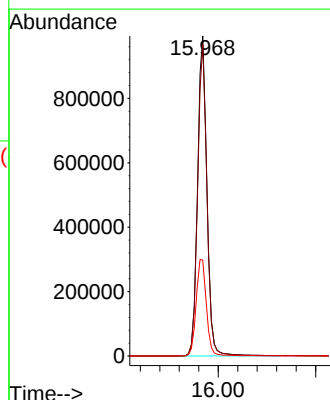
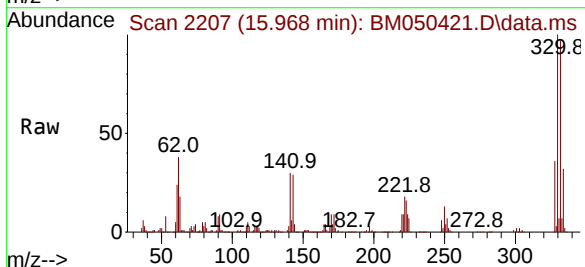
Tgt Ion:330 Resp: 1339397

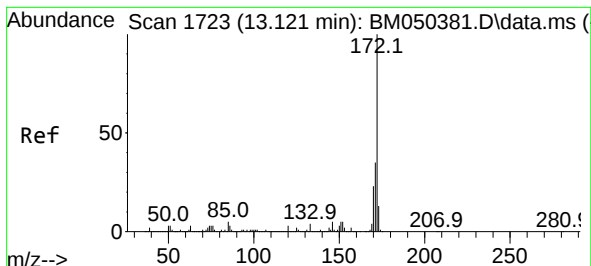
Ion Ratio Lower Upper

330 100

332 96.7 76.9 115.3

141 33.2 27.4 41.0





#45

2-Fluorobiphenyl

Concen: 80.685 ng

RT: 13.116 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM050421.D

Acq: 14 Jul 2025 11:30

Instrument :

BNA_M

ClientSampleId :

PB168813BL

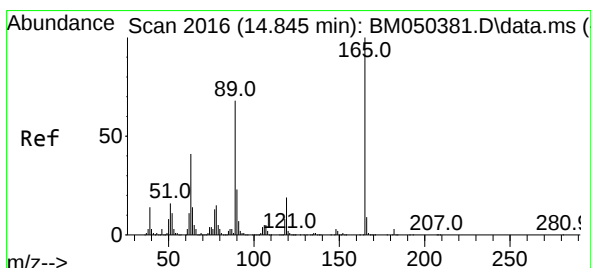
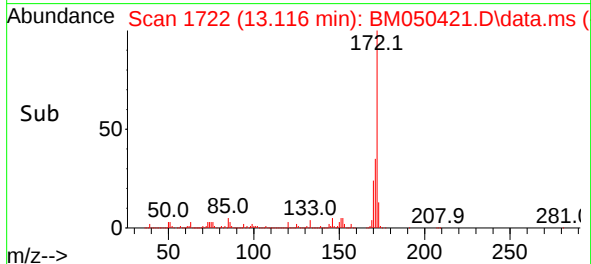
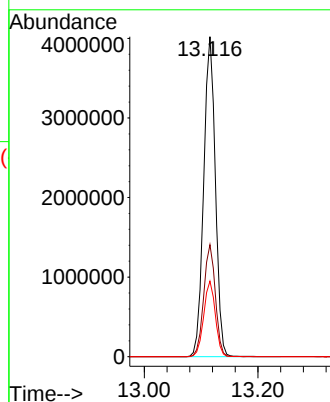
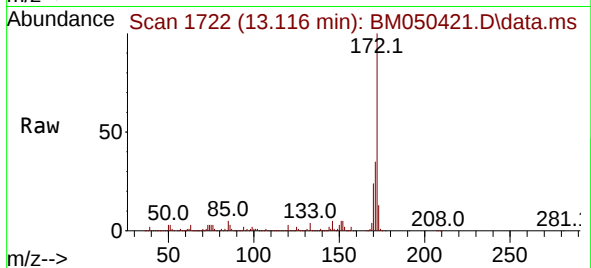
Tgt Ion:172 Resp: 5730288

Ion Ratio Lower Upper

172 100

171 35.0 27.7 41.5

170 23.6 18.8 28.2



#57

2,4-Dinitrotoluene

Concen: 2.728 ng

RT: 14.851 min Scan# 2017

Delta R.T. 0.006 min

Lab File: BM050421.D

Acq: 14 Jul 2025 11:30

Tgt Ion:165 Resp: 75

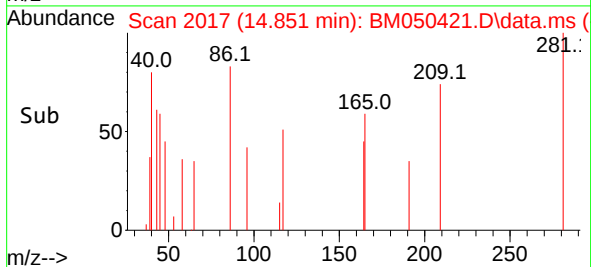
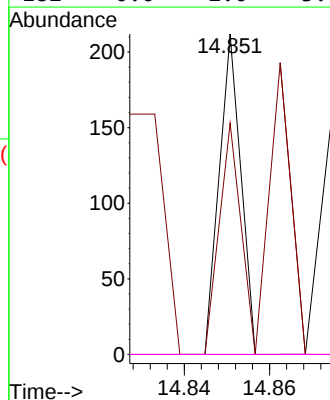
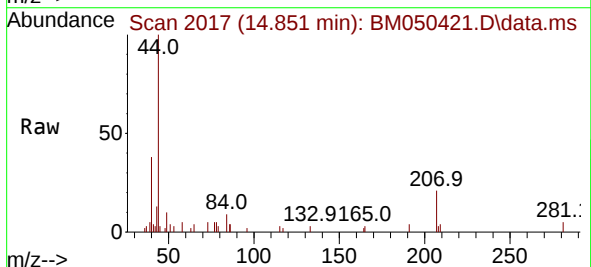
Ion Ratio Lower Upper

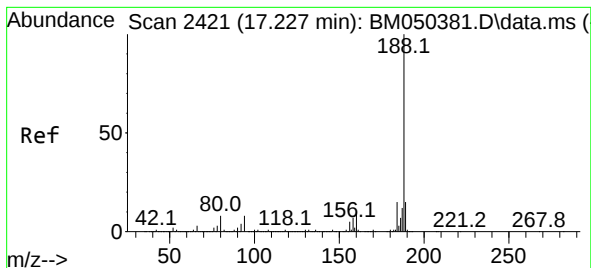
165 100

63 72.2 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: 17.221 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM050421.D

Acq: 14 Jul 2025 11:30

Instrument :

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ClientSampleId :

PB168813BL

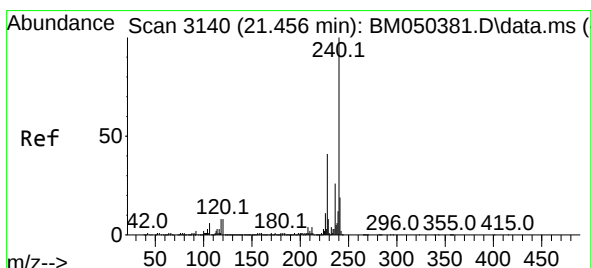
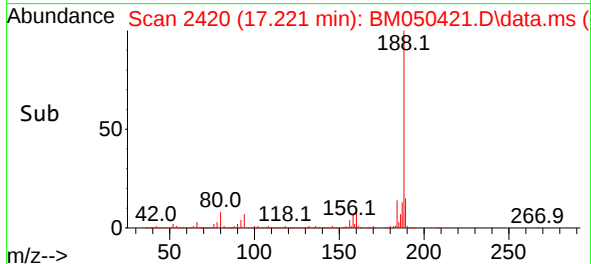
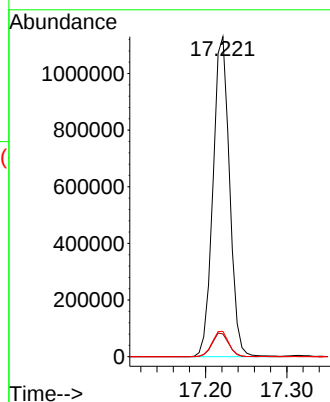
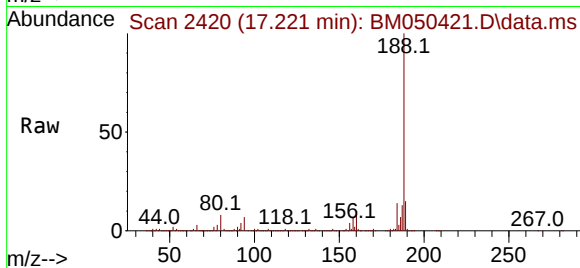
Tgt Ion:188 Resp: 1599531

Ion Ratio Lower Upper

188 100

94 7.1 6.0 9.0

80 7.9 6.5 9.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.444 min Scan# 3138

Delta R.T. -0.012 min

Lab File: BM050421.D

Acq: 14 Jul 2025 11:30

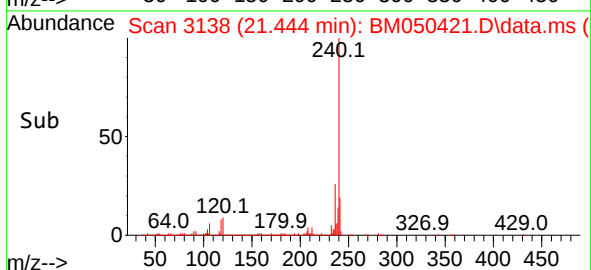
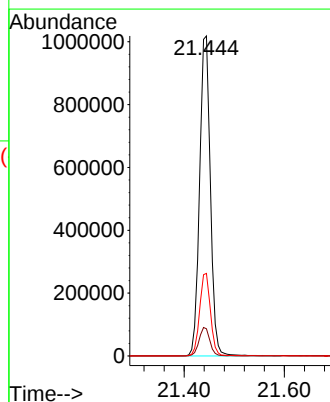
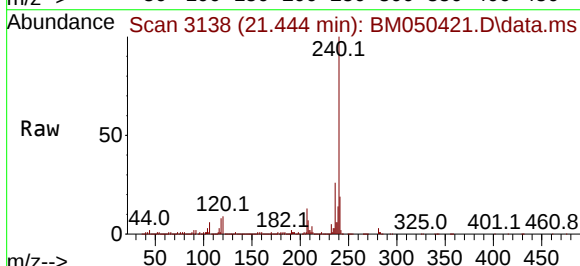
Tgt Ion:240 Resp: 1514225

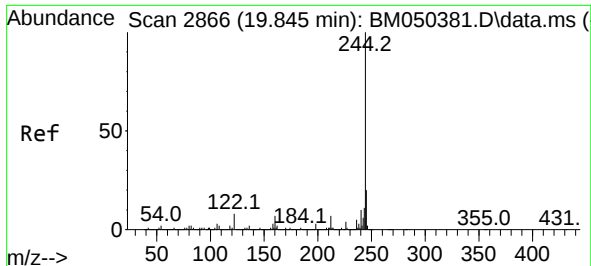
Ion Ratio Lower Upper

240 100

120 8.5 6.7 10.1

236 25.8 20.7 31.1

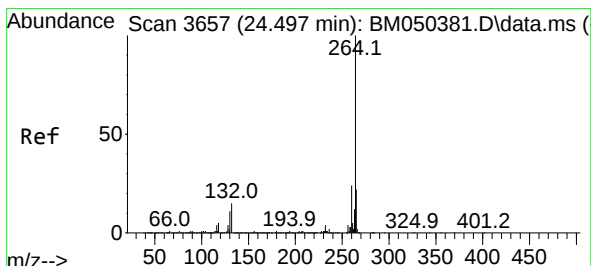
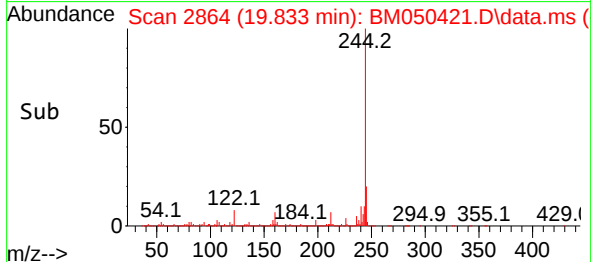
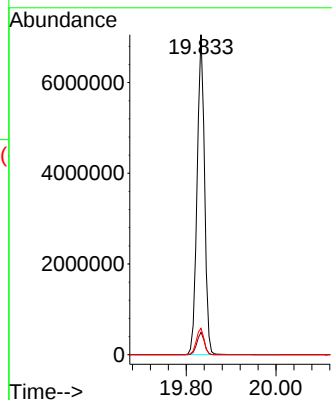
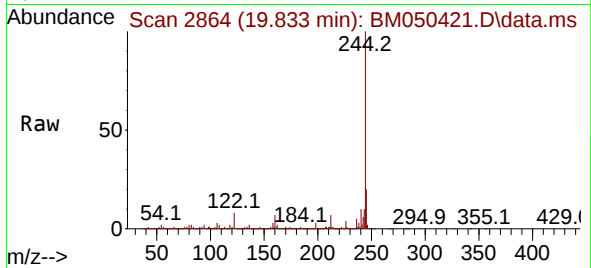




#79
 Terphenyl-d14
 Concen: 93.973 ng
 RT: 19.833 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050421.D
 Acq: 14 Jul 2025 11:30

Instrument :
 BNA_M
 ClientSampleId :
 PB168813BL

Tgt Ion:244 Resp: 8087520
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 8.3 6.2 9.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.474 min Scan# 3653
 Delta R.T. -0.024 min
 Lab File: BM050421.D
 Acq: 14 Jul 2025 11:30

Tgt Ion:264 Resp: 1690499
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.9 17.8 26.6

