

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
 Data File : BM050441.D
 Acq On : 15 Jul 2025 00:53
 Operator : RC/JU
 Sample : Q2553-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 FB

Quant Time: Jul 15 02:57:33 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)

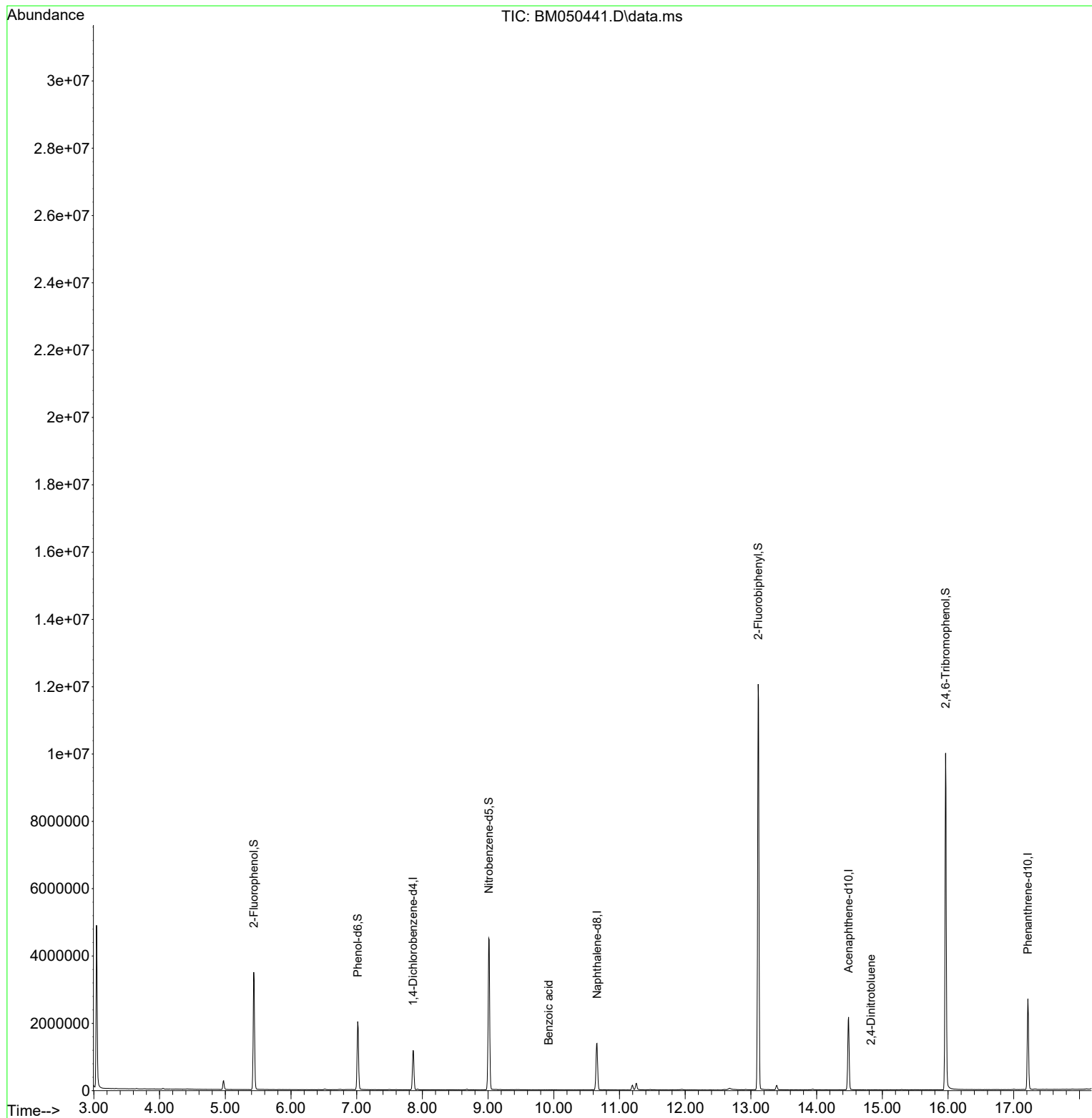
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	329239	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1195521	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	770212	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1550871	20.000	ng	-0.01
76) Chrysene-d12	21.433	240	1527959	20.000	ng	-0.02
86) Perylene-d12	24.462	264	1560808	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1443676	75.478	ng	0.00
7) Phenol-d6	7.016	99	1057280	43.849	ng	0.00
23) Nitrobenzene-d5	9.010	82	2462601	105.090	ng	-0.01
42) 2,4,6-Tribromophenol	15.963	330	1799877	192.333	ng	-0.01
45) 2-Fluorobiphenyl	13.110	172	6185426	99.175	ng	-0.01
79) Terphenyl-d14	19.827	244	10925123	125.804	ng	-0.02
Target Compounds						
32) Benzoic acid	9.922	122	99	5.982	ng	# 2
57) 2,4-Dinitrotoluene	14.827	165	307	2.743	ng	# 25

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

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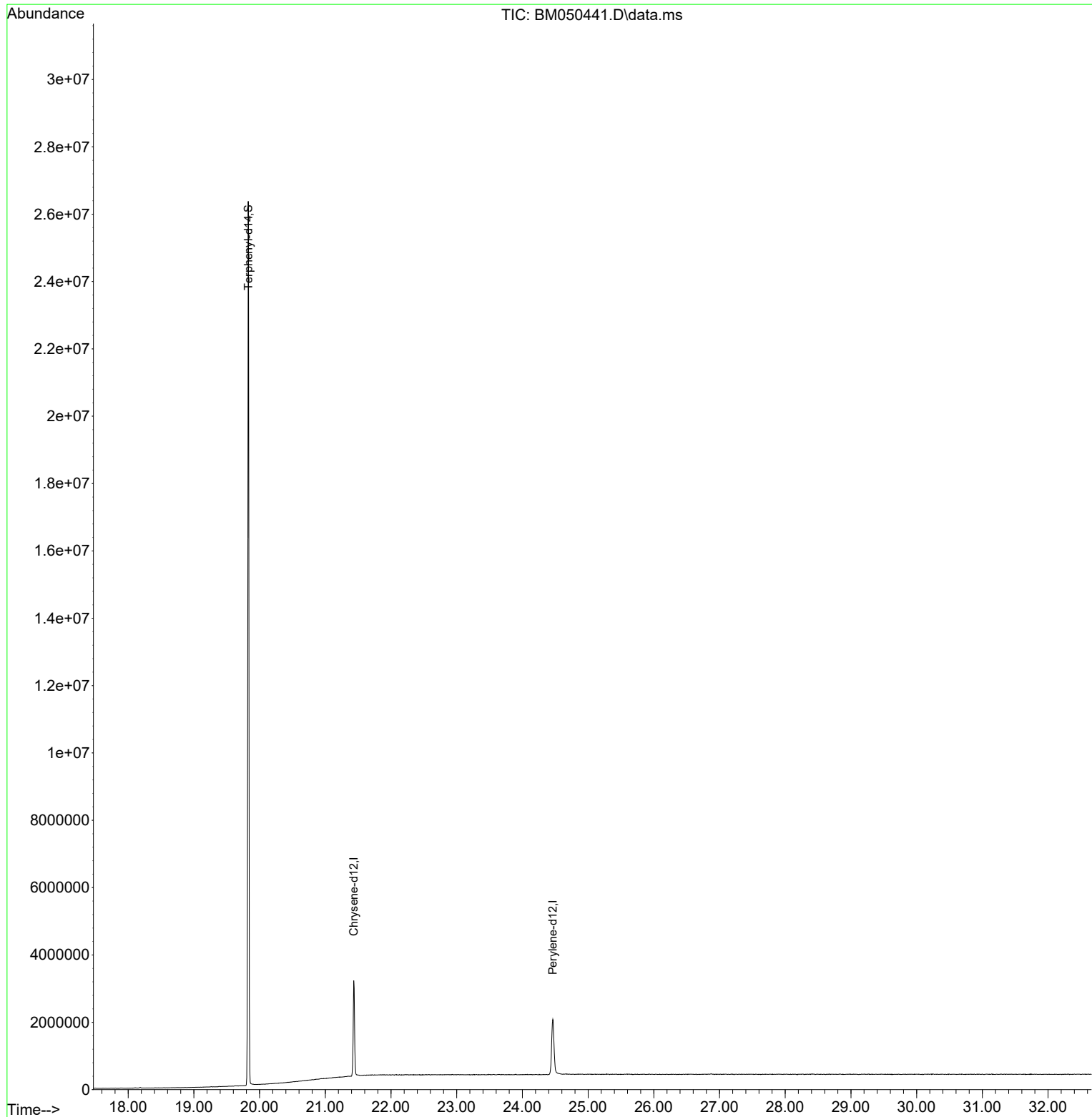
Quant Time: Jul 15 02:57:33 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

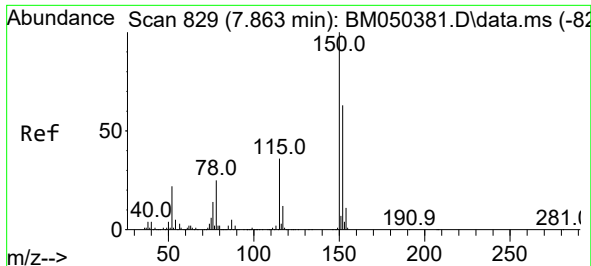


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QLast Update : Tue Jul 08 18:32:25 2025
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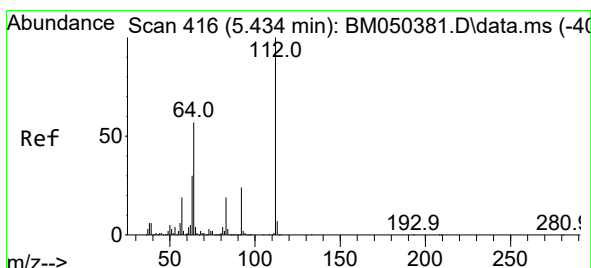
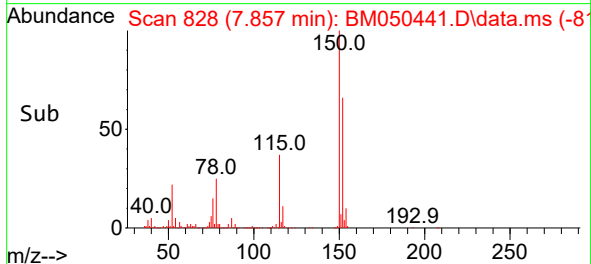
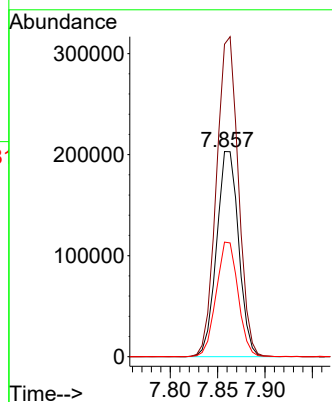
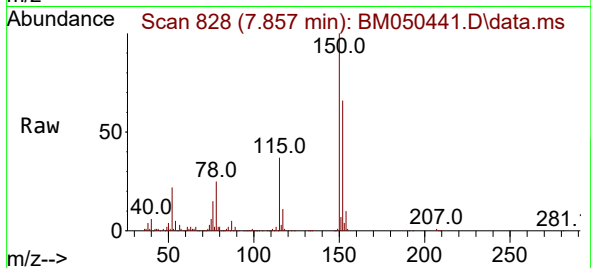




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050441.D
Acq: 15 Jul 2025 00:53

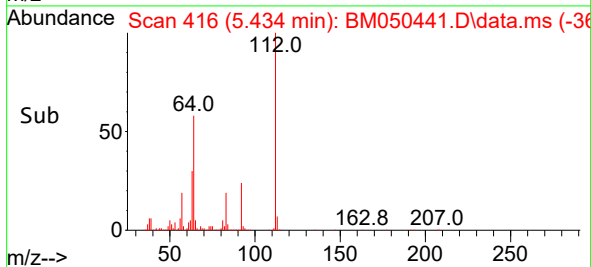
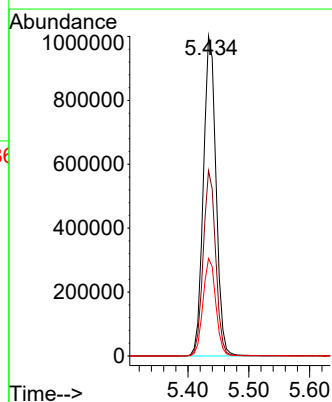
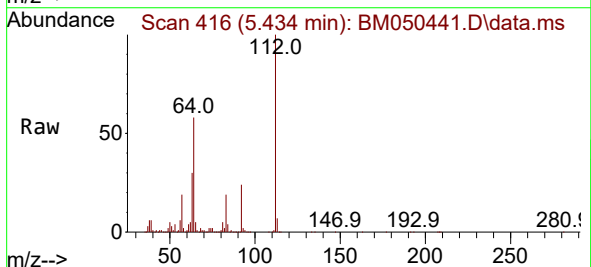
Instrument :
BNA_M
ClientSampleId :
FB

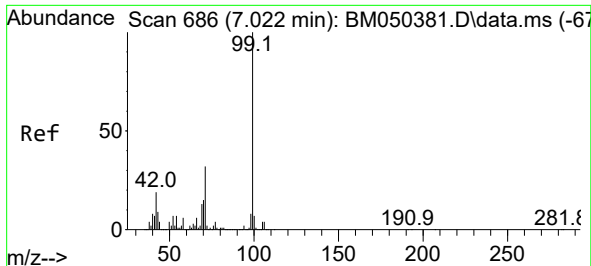
Tgt Ion:152 Resp: 329239
Ion Ratio Lower Upper
152 100
150 152.3 126.2 189.4
115 55.9 45.8 68.8



#5
2-Fluorophenol
Concen: 75.478 ng
RT: 5.434 min Scan# 416
Delta R.T. 0.000 min
Lab File: BM050441.D
Acq: 15 Jul 2025 00:53

Tgt Ion:112 Resp: 1443676
Ion Ratio Lower Upper
112 100
64 57.9 45.5 68.3
63 30.4 24.2 36.4

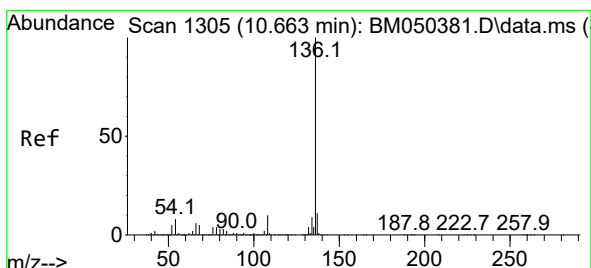
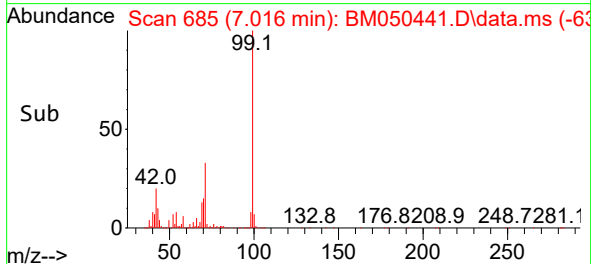
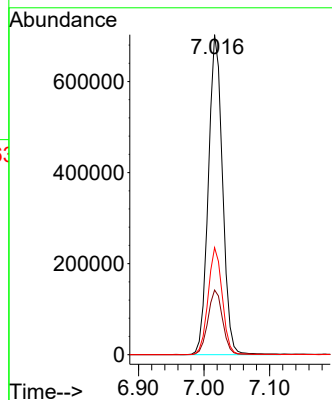
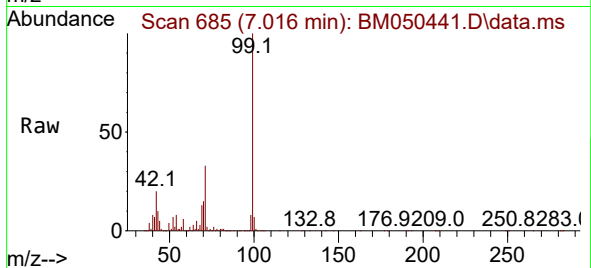




#7
Phenol-d6
Concen: 43.849 ng
RT: 7.016 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050441.D
Acq: 15 Jul 2025 00:53

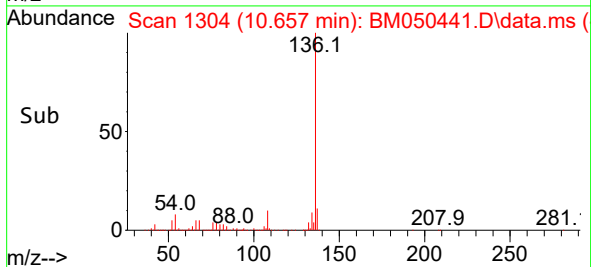
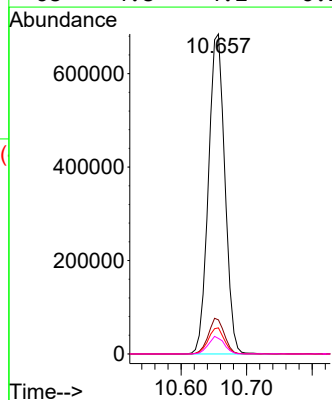
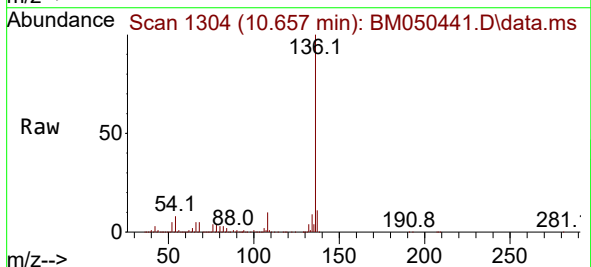
Instrument :
BNA_M
ClientSampleId :
FB

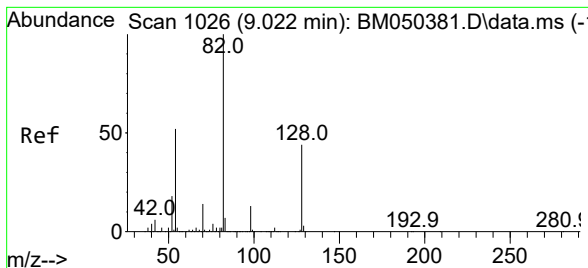
Tgt Ion: 99 Resp: 1057280
Ion Ratio Lower Upper
99 100
42 20.2 15.0 22.6
71 33.4 25.9 38.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050441.D
Acq: 15 Jul 2025 00:53

Tgt Ion: 136 Resp: 1195521
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.1 6.3 9.5
68 4.8 4.2 6.2

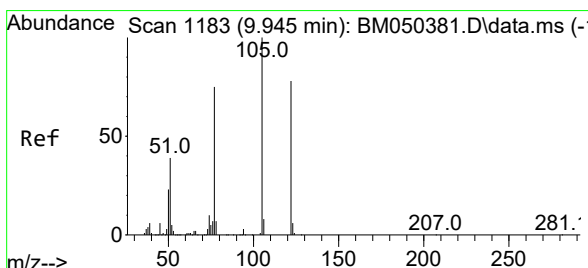
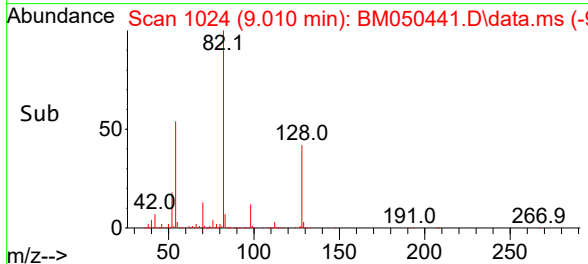
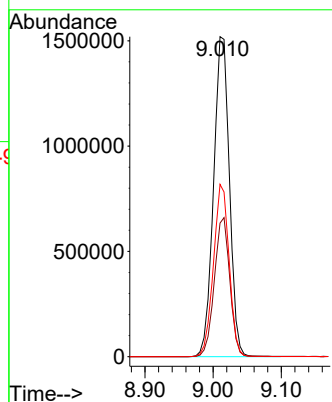
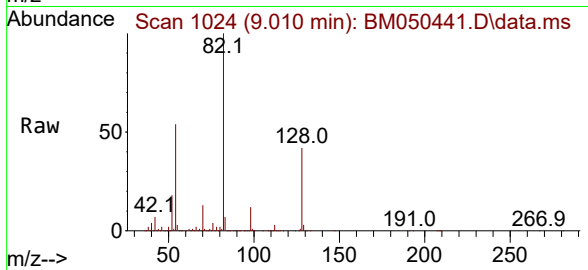




#23
 Nitrobenzene-d5
 Concen: 105.090 ng
 RT: 9.010 min Scan# 1179
 Delta R.T. -0.012 min
 Lab File: BM050441.D
 Acq: 15 Jul 2025 00:53

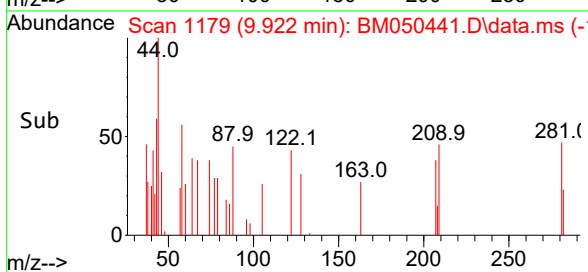
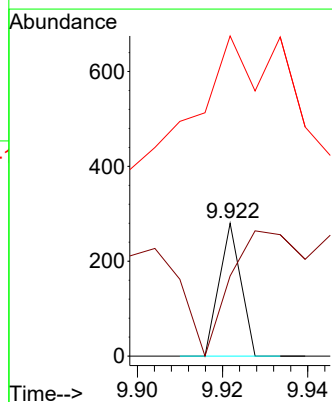
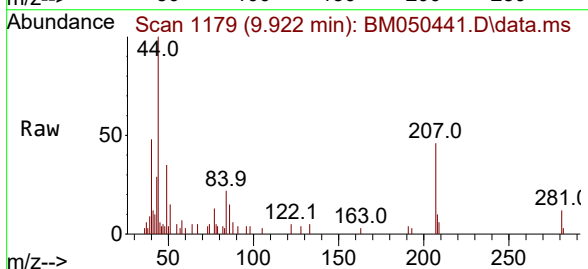
Instrument :
 BNA_M
 ClientSampleId :
 FB

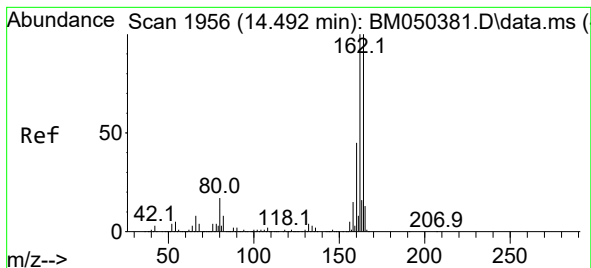
Tgt Ion: 82 Resp: 2462601
 Ion Ratio Lower Upper
 82 100
 128 41.8 35.2 52.8
 54 53.9 41.5 62.3



#32
 Benzoic acid
 Concen: 5.982 ng
 RT: 9.922 min Scan# 1179
 Delta R.T. -0.023 min
 Lab File: BM050441.D
 Acq: 15 Jul 2025 00:53

Tgt Ion: 122 Resp: 99
 Ion Ratio Lower Upper
 122 100
 105 60.4 104.0 144.0#
 77 241.1 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: BM050441.D

Acq: 15 Jul 2025 00:53

Instrument :

BNA_M

ClientSampleId :

FB

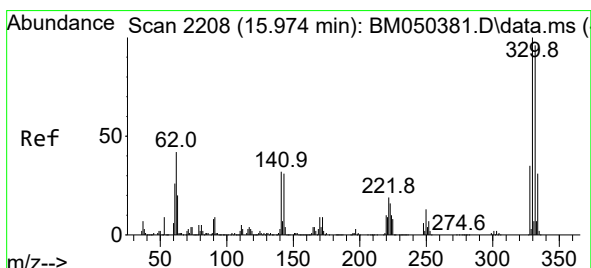
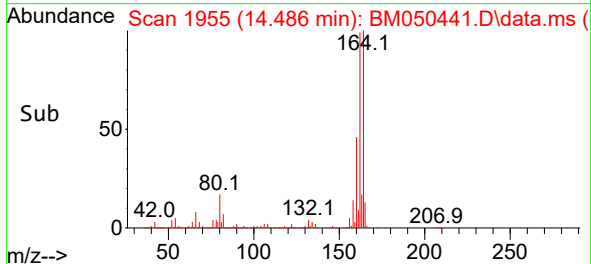
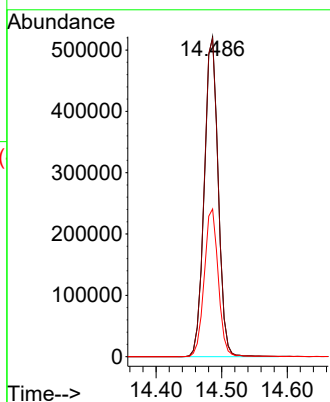
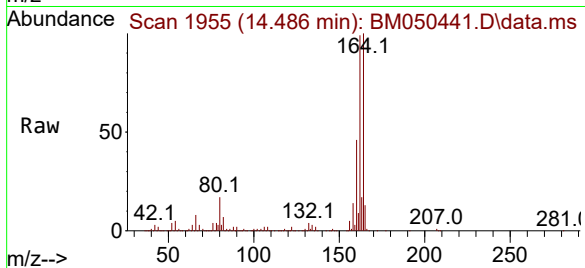
Tgt Ion:164 Resp: 770212

Ion Ratio Lower Upper

164 100

162 99.4 79.9 119.9

160 46.1 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 192.333 ng

RT: 15.963 min Scan# 2206

Delta R.T. -0.012 min

Lab File: BM050441.D

Acq: 15 Jul 2025 00:53

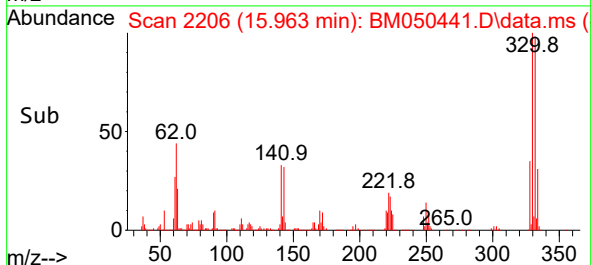
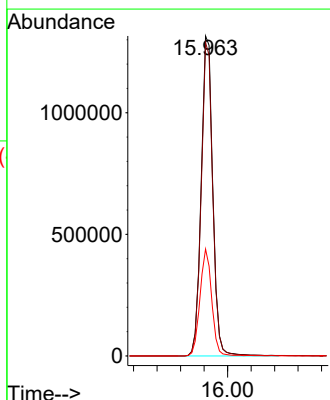
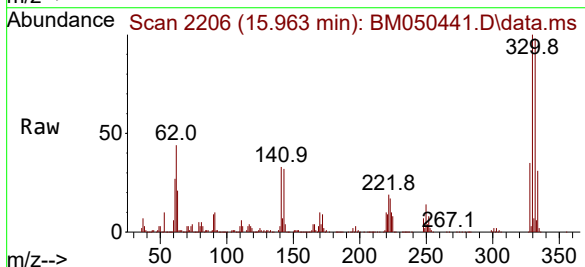
Tgt Ion:330 Resp: 1799877

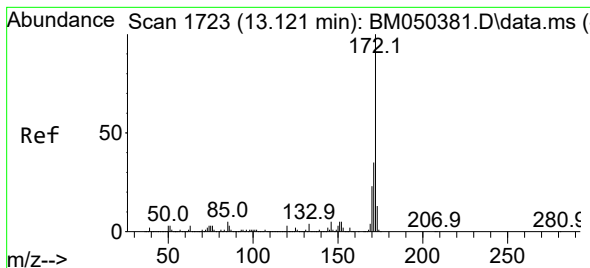
Ion Ratio Lower Upper

330 100

332 97.3 76.9 115.3

141 34.0 27.4 41.0





#45

2-Fluorobiphenyl

Concen: 99.175 ng

RT: 13.110 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM050441.D

Acq: 15 Jul 2025 00:53

Instrument :

BNA_M

ClientSampleId :

FB

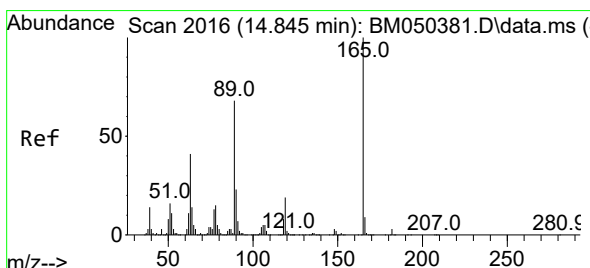
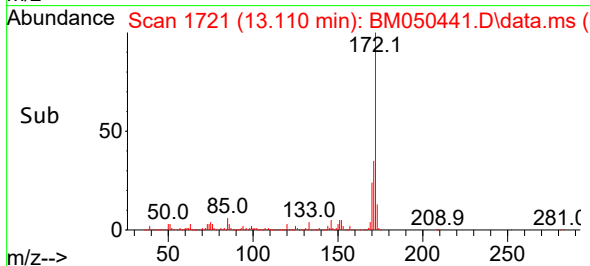
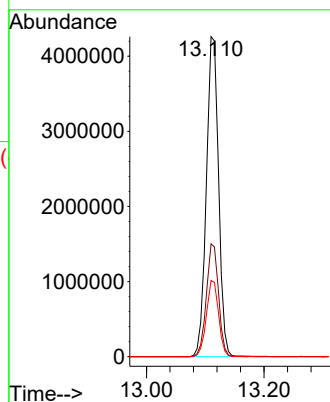
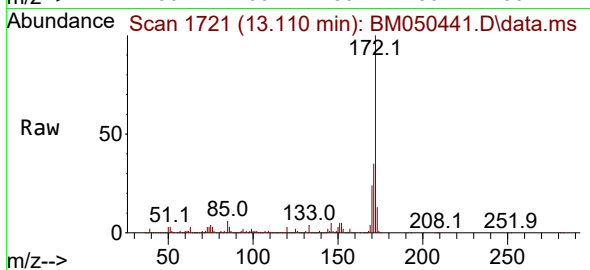
Tgt Ion:172 Resp: 6185426

Ion Ratio Lower Upper

172 100

171 35.2 27.7 41.5

170 23.8 18.8 28.2



#57

2,4-Dinitrotoluene

Concen: 2.743 ng

RT: 14.827 min Scan# 2013

Delta R.T. -0.018 min

Lab File: BM050441.D

Acq: 15 Jul 2025 00:53

Tgt Ion:165 Resp: 307

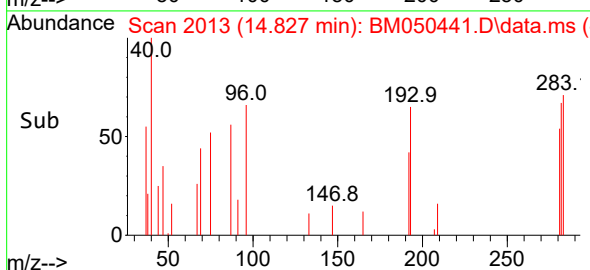
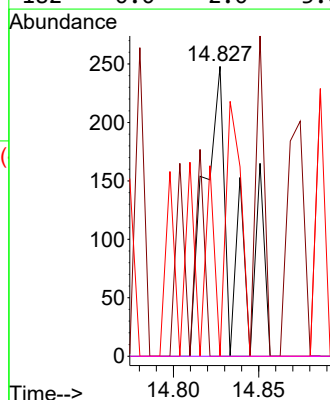
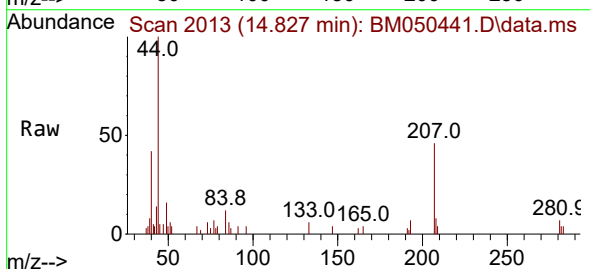
Ion Ratio Lower Upper

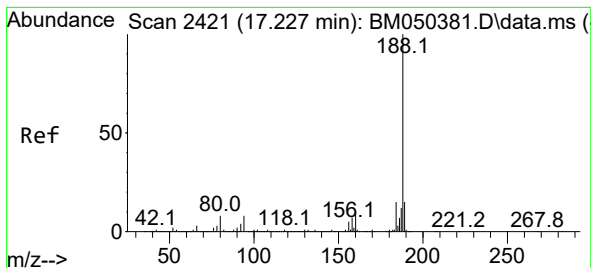
165 100

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# 24

Delta R.T. -0.012 min

Lab File: BM050441.D

Acq: 15 Jul 2025 00:53

Instrument :

BNA_M

ClientSampleId :

FB

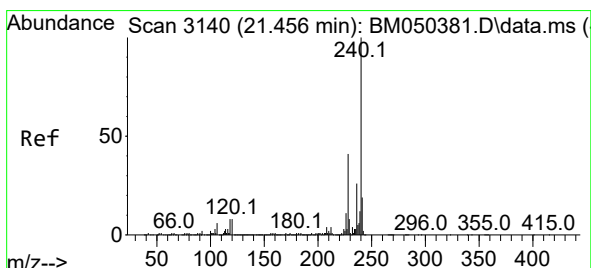
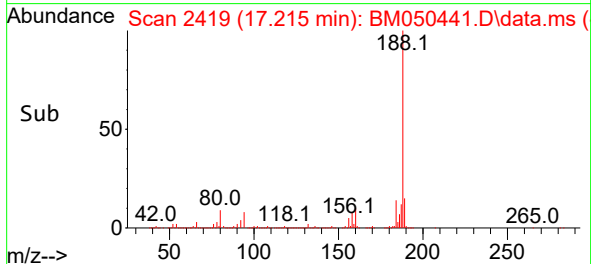
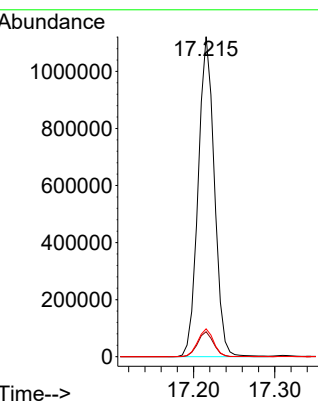
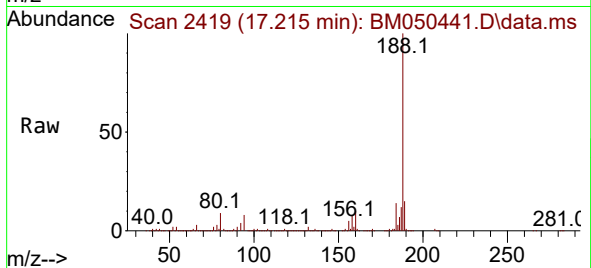
Tgt Ion:188 Resp: 1550871

Ion Ratio Lower Upper

188 100

94 7.8 6.0 9.0

80 8.7 6.5 9.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.433 min Scan# 3136

Delta R.T. -0.023 min

Lab File: BM050441.D

Acq: 15 Jul 2025 00:53

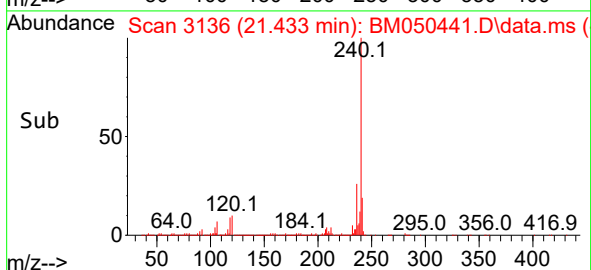
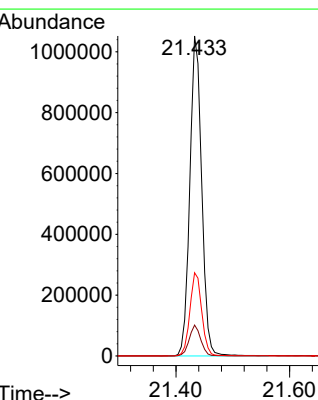
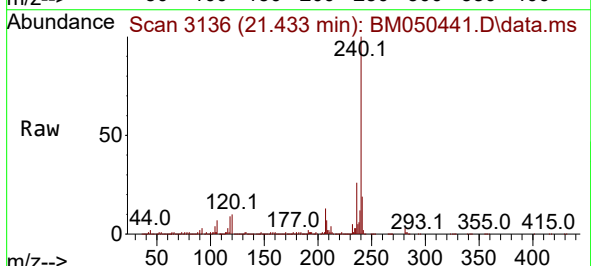
Tgt Ion:240 Resp: 1527959

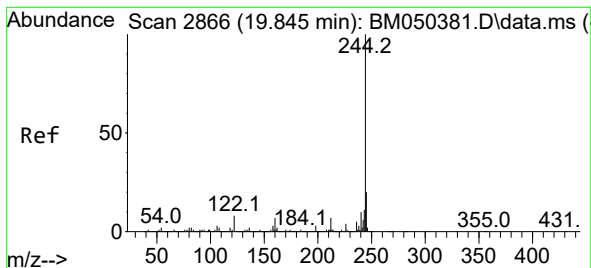
Ion Ratio Lower Upper

240 100

120 9.7 6.7 10.1

236 26.0 20.7 31.1





#79

Terphenyl-d14

Concen: 125.804 ng

RT: 19.827 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM050441.D

Acq: 15 Jul 2025 00:53

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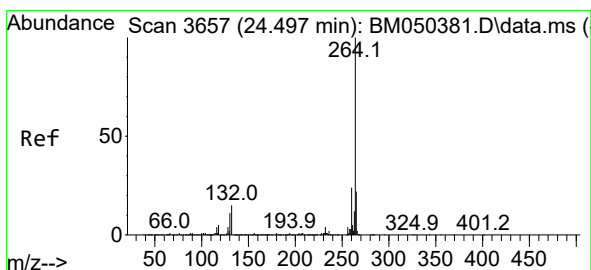
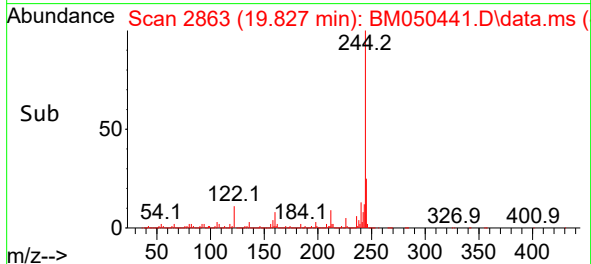
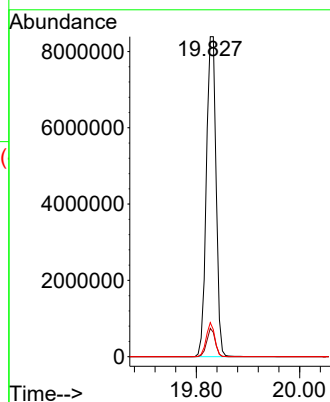
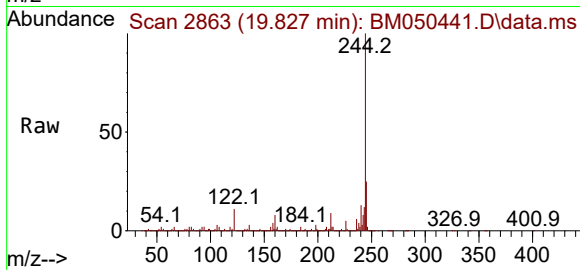
Tgt Ion:244 Resp:10925123

Ion Ratio Lower Upper

244 100

212 8.8 5.7 8.5#

122 10.6 6.2 9.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.462 min Scan# 3651

Delta R.T. -0.035 min

Lab File: BM050441.D

Acq: 15 Jul 2025 00:53

Tgt Ion:264 Resp: 1560808

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 22.1 17.8 26.6

