

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
 Data File : BM050127.D
 Acq On : 06 May 2025 19:54
 Operator : RC/JU
 Sample : Q1962-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 HD-01-050525

Quant Time: May 07 02:18:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

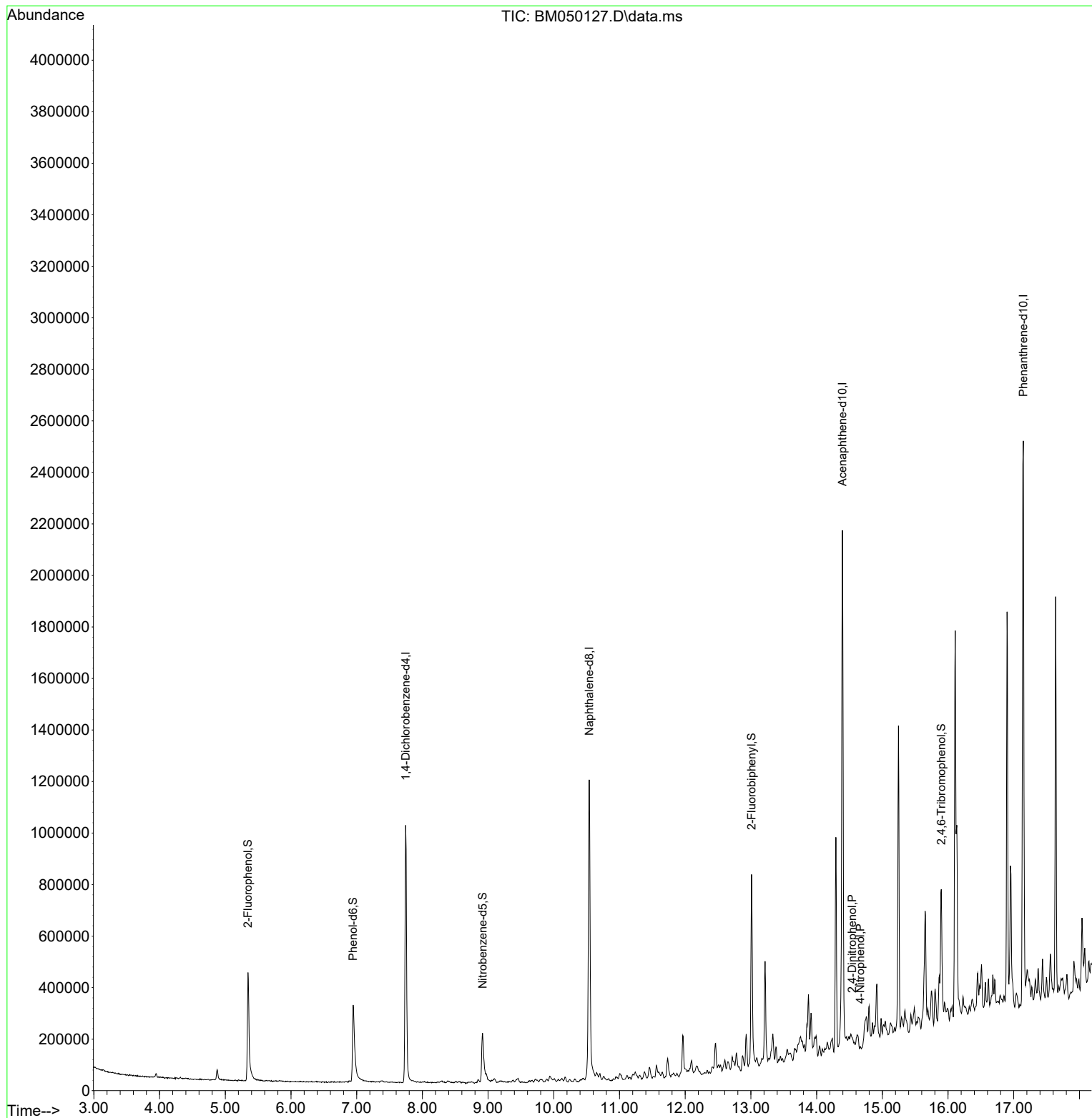
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	313786	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1105040	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	726434	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	1395711	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	1235843	20.000	ng	-0.01
86) Perylene-d12	24.380	264	1318829	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	248280	13.855	ng	-0.01
7) Phenol-d6	6.945	99	290566	12.901	ng	0.00
23) Nitrobenzene-d5	8.916	82	167434	7.466	ng	-0.01
42) 2,4,6-Tribromophenol	15.898	330	133711	12.448	ng	0.00
45) 2-Fluorobiphenyl	13.010	172	458345	7.464	ng	-0.02
79) Terphenyl-d14	19.768	244	564647	6.761	ng	-0.01
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.539	184	56	5.750	ng	# 1
56) 4-Nitrophenol	14.663	139	285	4.565	ng	# 1

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

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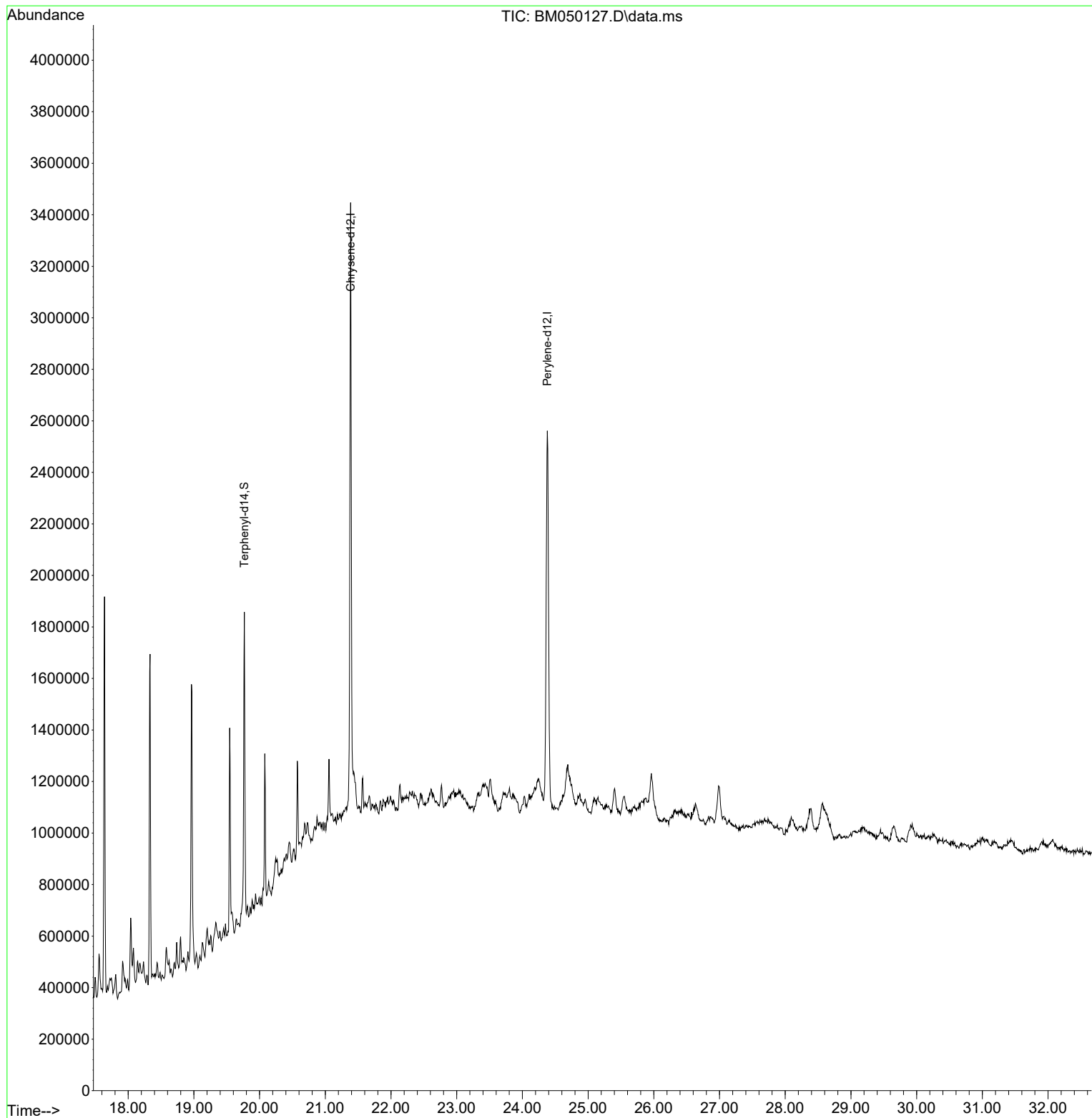
Quant Time: May 07 02:18:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

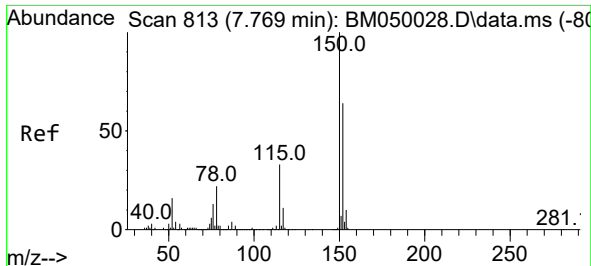


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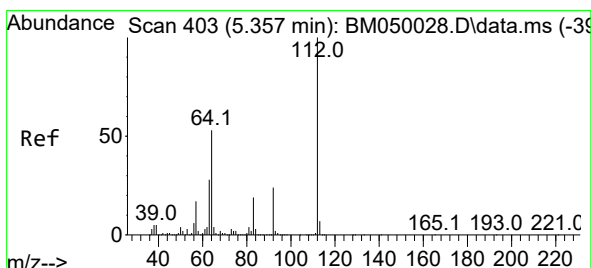
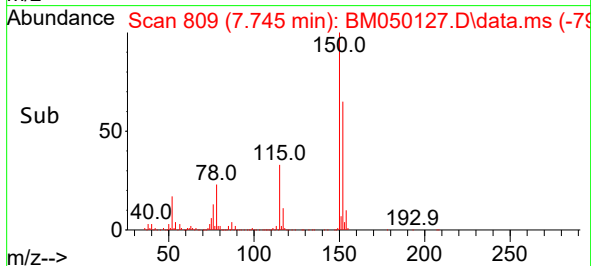
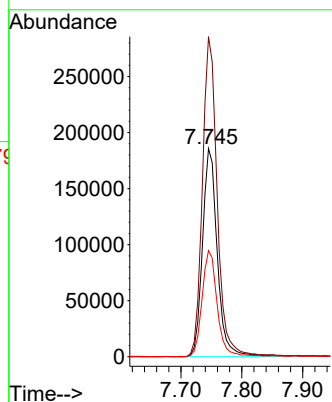
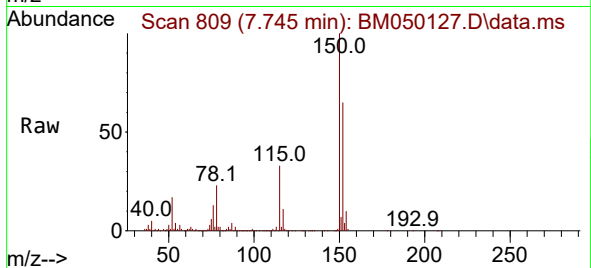




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050127.D
Acq: 06 May 2025 19:54

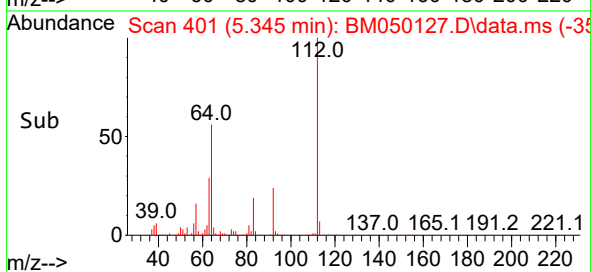
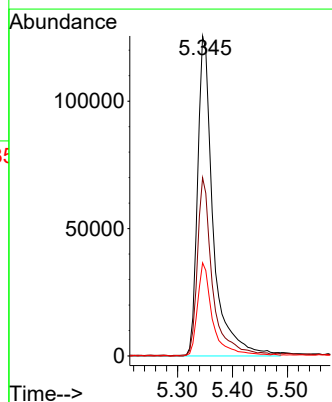
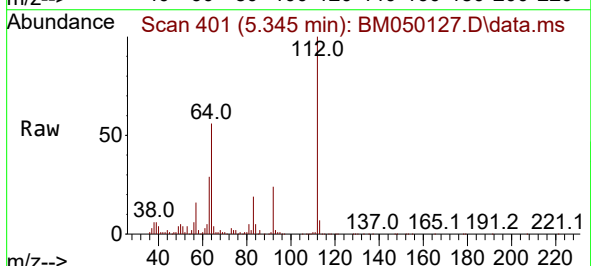
Instrument :
BNA_M
ClientSampleId :
HD-01-050525

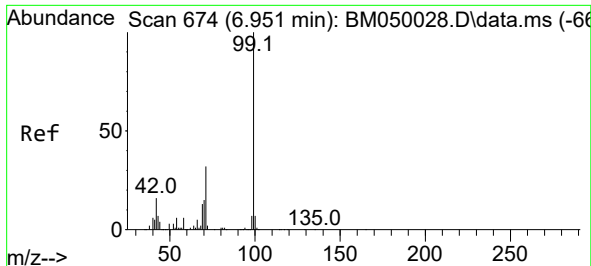
Tgt Ion:152 Resp: 313786
Ion Ratio Lower Upper
152 100
150 153.7 124.1 186.1
115 51.0 41.2 61.8



#5
2-Fluorophenol
Concen: 13.855 ng
RT: 5.345 min Scan# 401
Delta R.T. -0.012 min
Lab File: BM050127.D
Acq: 06 May 2025 19:54

Tgt Ion:112 Resp: 248280
Ion Ratio Lower Upper
112 100
64 55.7 42.6 64.0
63 29.1 22.2 33.4

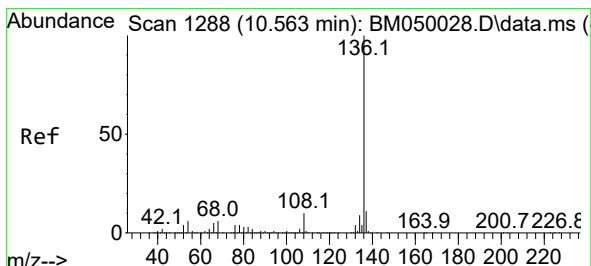
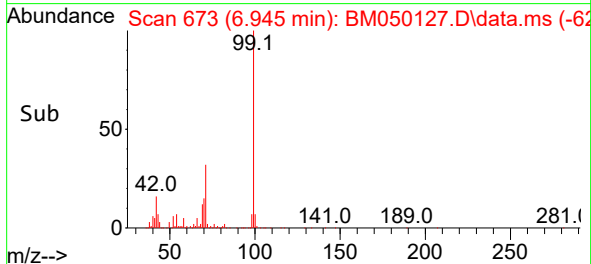
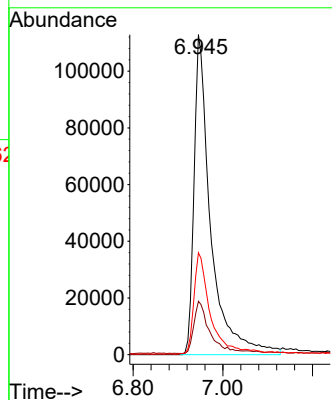
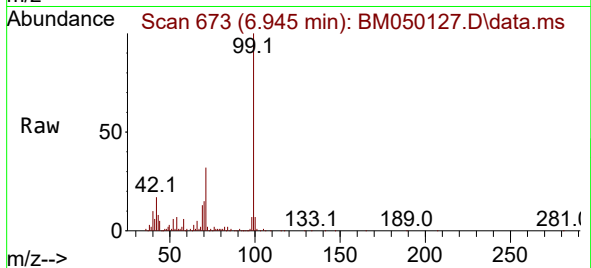




#7
Phenol-d6
Concen: 12.901 ng
RT: 6.945 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050127.D
Acq: 06 May 2025 19:54

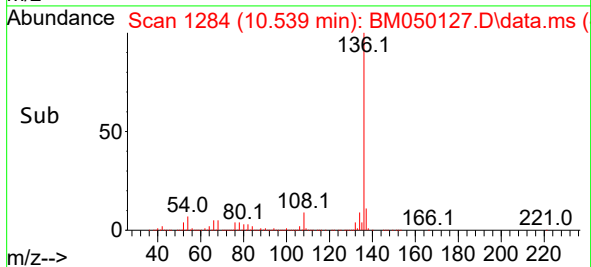
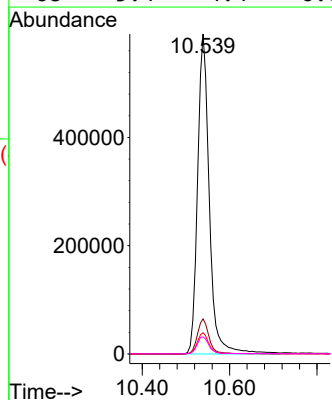
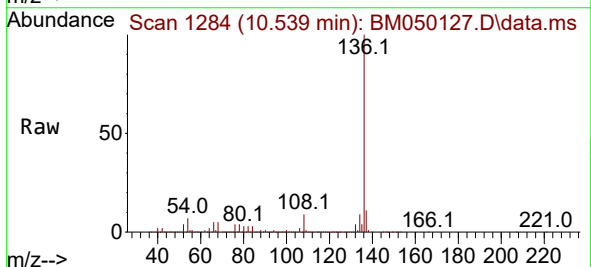
Instrument :
BNA_M
ClientSampleId :
HD-01-050525

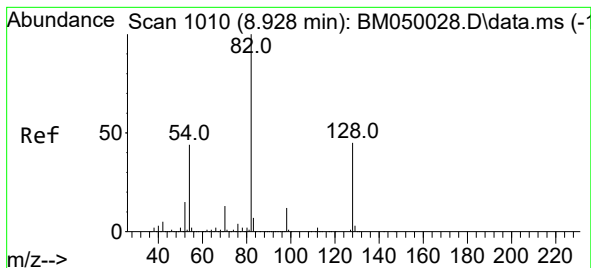
Tgt Ion: 99 Resp: 290566
Ion Ratio Lower Upper
99 100
42 16.7 13.0 19.4
71 31.8 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050127.D
Acq: 06 May 2025 19:54

Tgt Ion: 136 Resp: 1105040
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.6 5.1 7.7
68 5.4 4.4 6.6

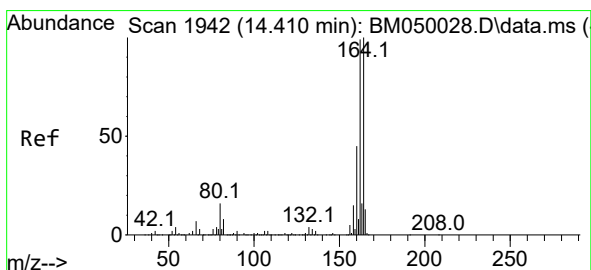
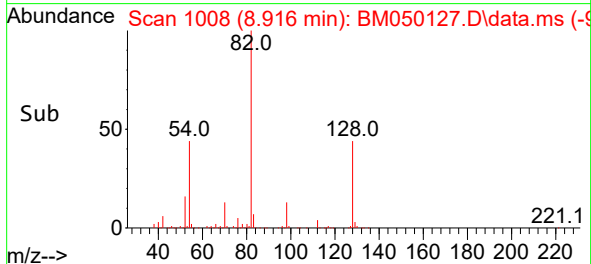
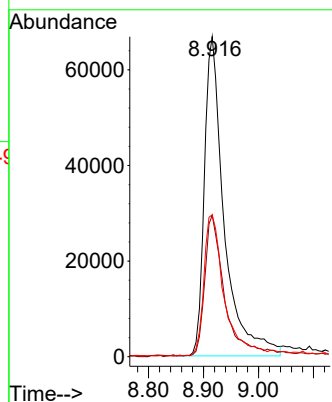
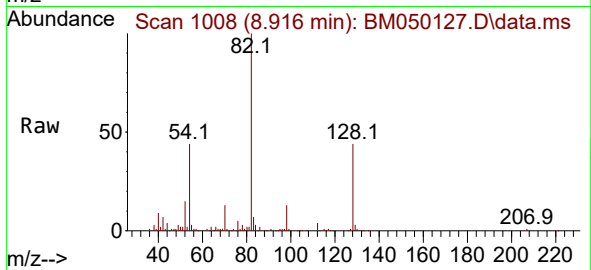




#23
Nitrobenzene-d5
Concen: 7.466 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.012 min
Lab File: BM050127.D
Acq: 06 May 2025 19:54

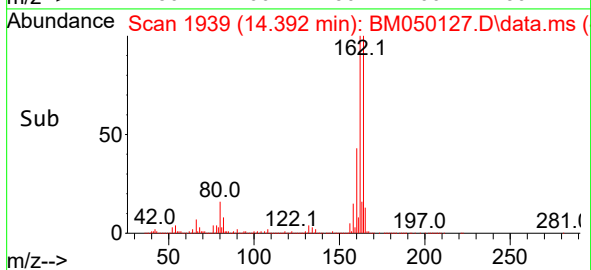
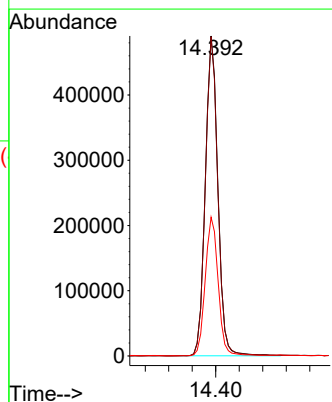
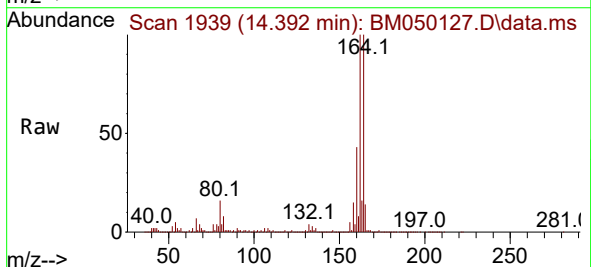
Instrument :
BNA_M
ClientSampleId :
HD-01-050525

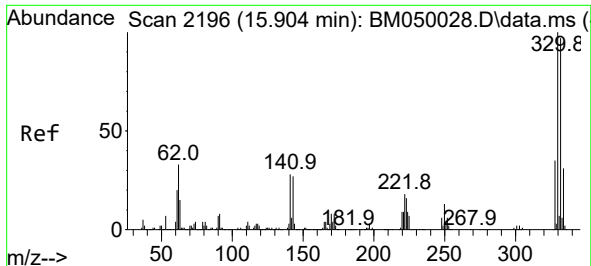
Tgt Ion: 82 Resp: 167434
Ion Ratio Lower Upper
82 100
128 44.2 35.7 53.5
54 44.3 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050127.D
Acq: 06 May 2025 19:54

Tgt Ion: 164 Resp: 726434
Ion Ratio Lower Upper
164 100
162 99.8 79.4 119.0
160 43.4 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 12.448 ng

RT: 15.898 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050127.D

Acq: 06 May 2025 19:54

Instrument :

BNA_M

ClientSampleId :

HD-01-050525

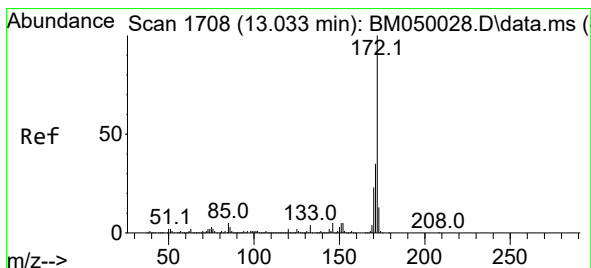
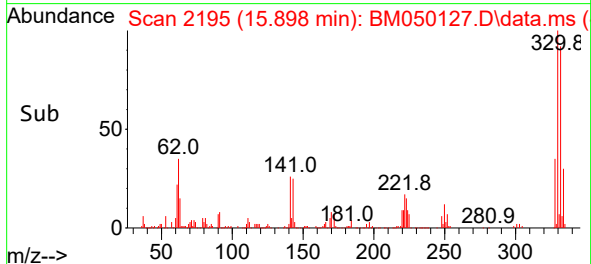
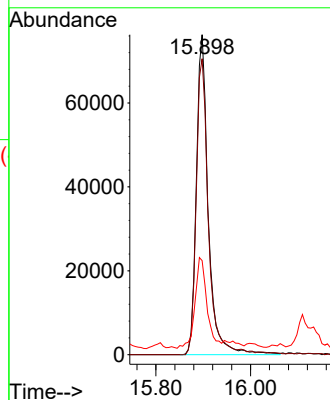
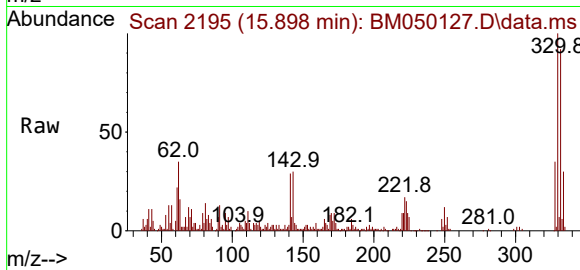
Tgt Ion:330 Resp: 133711

Ion Ratio Lower Upper

330 100

332 94.1 77.3 115.9

141 28.6 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 7.464 ng

RT: 13.010 min Scan# 1704

Delta R.T. -0.024 min

Lab File: BM050127.D

Acq: 06 May 2025 19:54

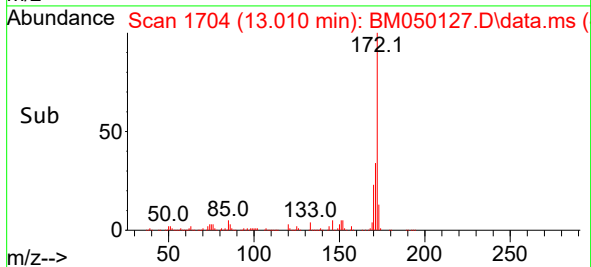
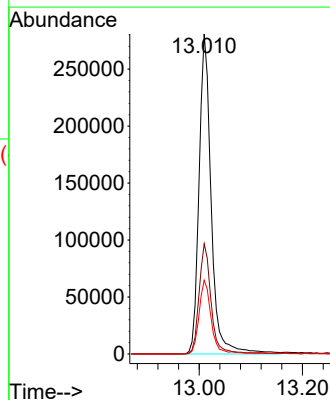
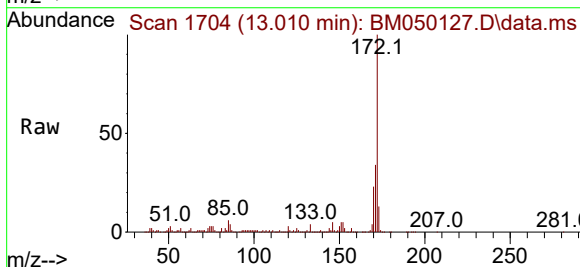
Tgt Ion:172 Resp: 458345

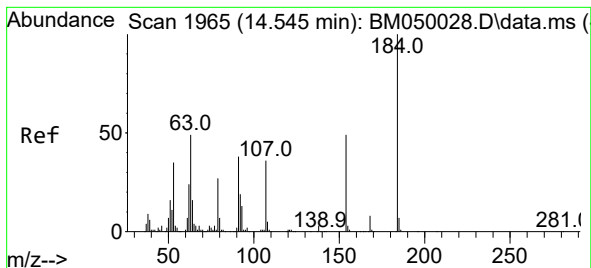
Ion Ratio Lower Upper

172 100

171 34.4 27.8 41.6

170 23.0 18.6 28.0





#54

2,4-Dinitrophenol

Concen: 5.750 ng

RT: 14.539 min Scan# 1964

Delta R.T. -0.006 min

Lab File: BM050127.D

Acq: 06 May 2025 19:54

Instrument :

BNA_M

ClientSampleId :

HD-01-050525

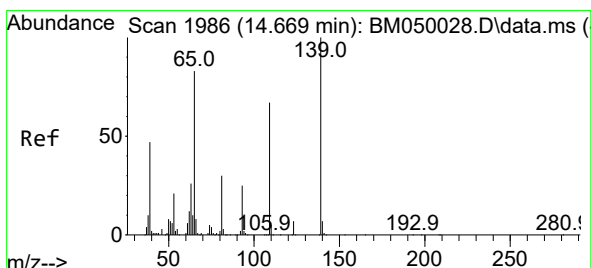
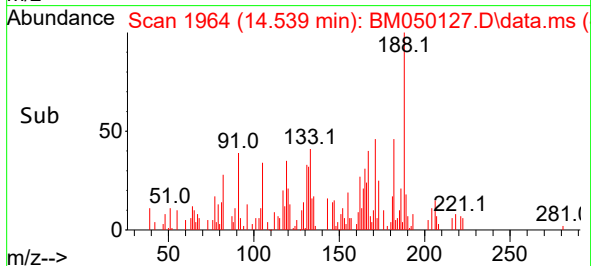
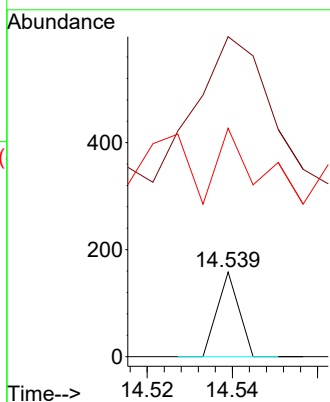
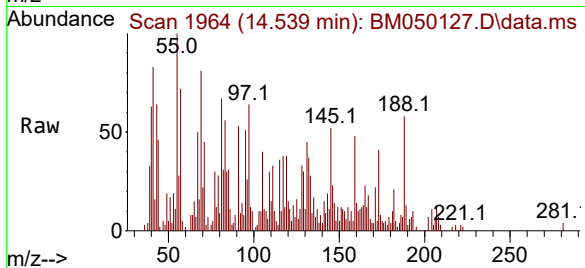
Tgt Ion:184 Resp: 56

Ion Ratio Lower Upper

184 100

63 378.5 39.8 59.6#

154 270.3 46.1 69.1#



#56

4-Nitrophenol

Concen: 4.565 ng

RT: 14.663 min Scan# 1985

Delta R.T. -0.007 min

Lab File: BM050127.D

Acq: 06 May 2025 19:54

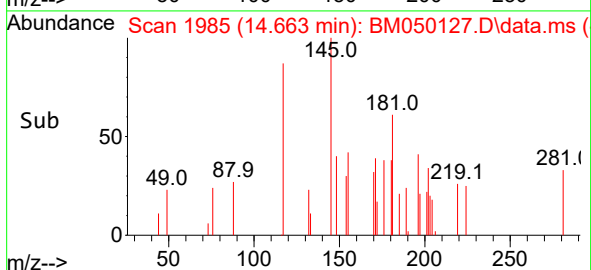
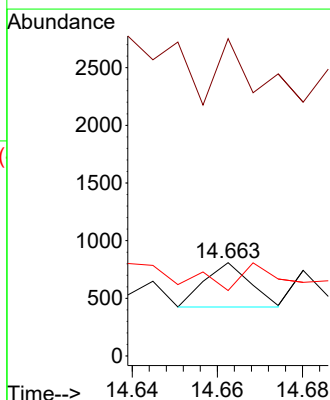
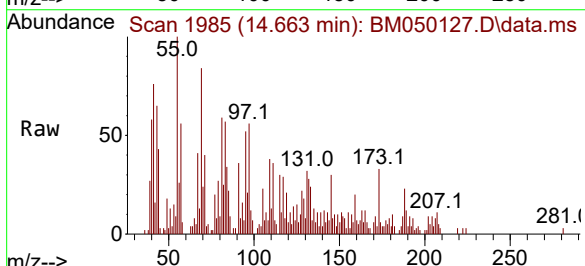
Tgt Ion:139 Resp: 285

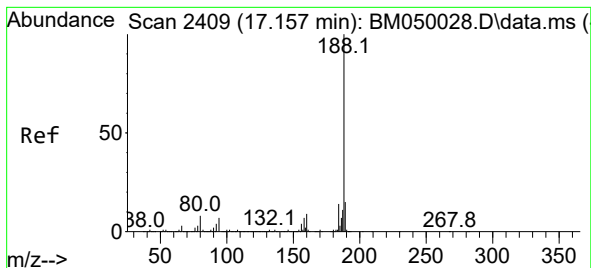
Ion Ratio Lower Upper

139 100

109 340.2 47.0 87.0#

65 70.2 64.3 104.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.145 min Scan# 24

Delta R.T. -0.012 min

Lab File: BM050127.D

Acq: 06 May 2025 19:54

Instrument :

BNA_M

ClientSampleId :

HD-01-050525

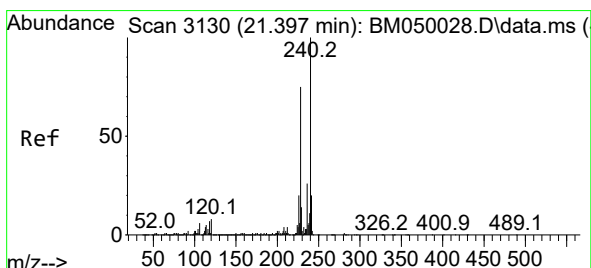
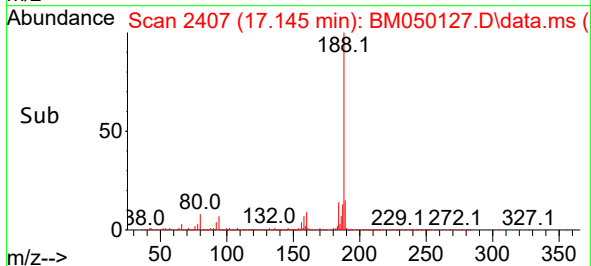
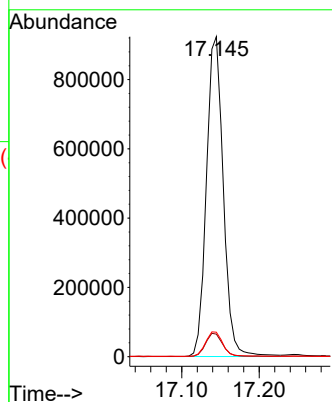
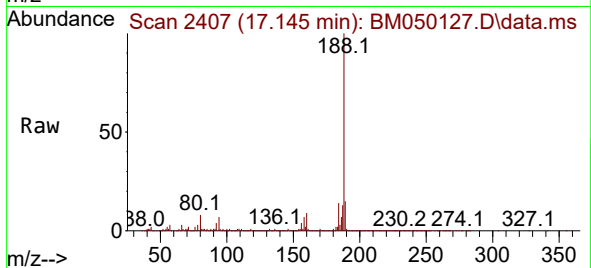
Tgt Ion:188 Resp: 1395711

Ion Ratio Lower Upper

188 100

94 7.1 5.7 8.5

80 7.6 6.2 9.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 3128

Delta R.T. -0.011 min

Lab File: BM050127.D

Acq: 06 May 2025 19:54

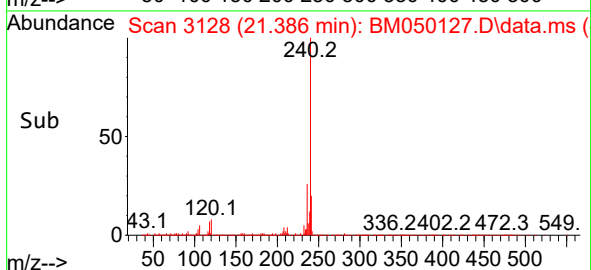
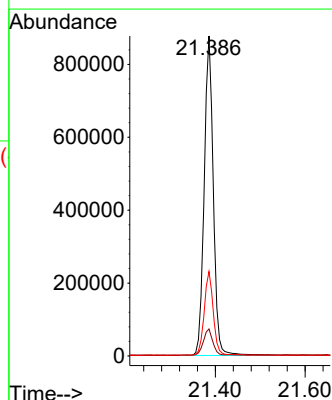
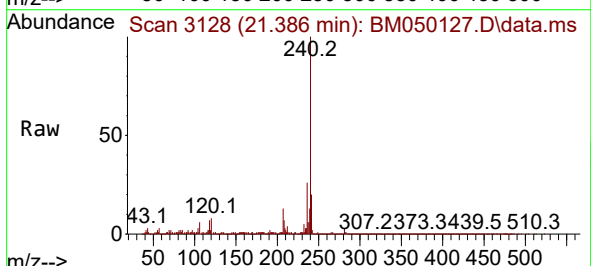
Tgt Ion:240 Resp: 1235843

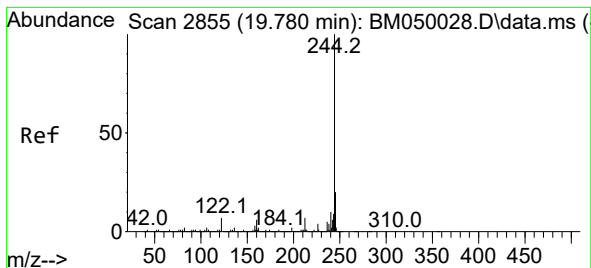
Ion Ratio Lower Upper

240 100

120 8.5 6.5 9.7

236 26.4 20.9 31.3





#79

Terphenyl-d14

Concen: 6.761 ng

RT: 19.768 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050127.D

Acq: 06 May 2025 19:54

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HD-01-050525

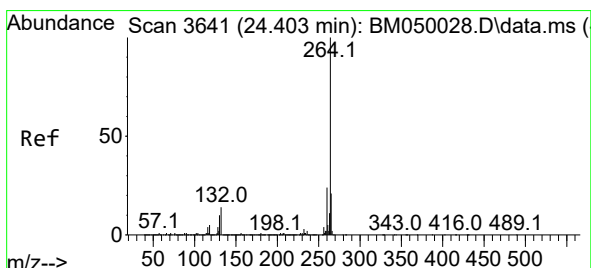
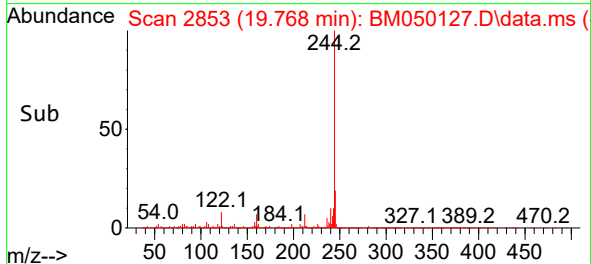
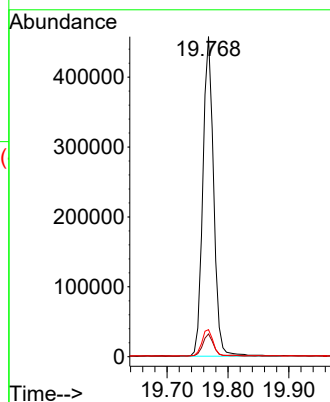
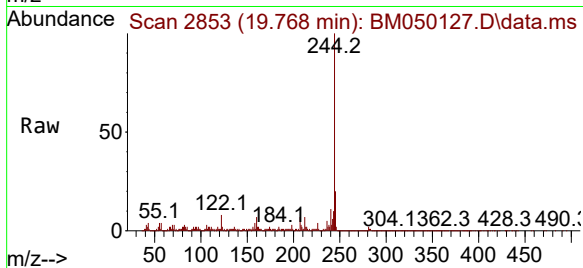
Tgt Ion:244 Resp: 564647

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 8.4 5.6 8.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.380 min Scan# 3637

Delta R.T. -0.024 min

Lab File: BM050127.D

Acq: 06 May 2025 19:54

Tgt Ion:264 Resp: 1318829

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 22.3 17.0 25.4

