

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
 Data File : BM050133.D
 Acq On : 07 May 2025 13:12
 Operator : RC/JU
 Sample : Q1938-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOWER-WALL-PILE-A

Quant Time: May 07 14:30:22 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)

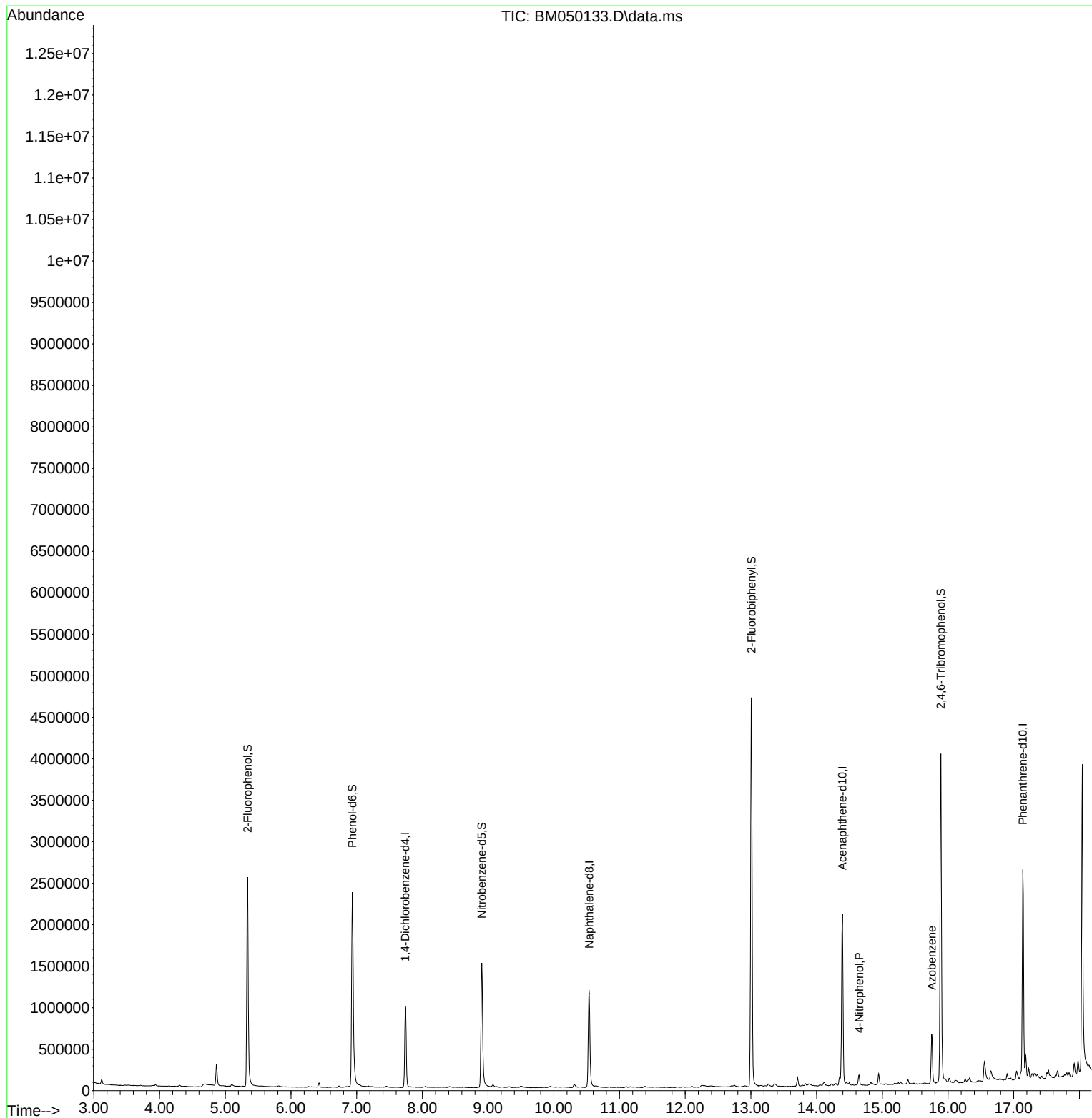
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.739	152	293247	20.000	ng	-0.03
21) Naphthalene-d8	10.539	136	1112568	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	760329	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1513291	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1348104	20.000	ng	-0.01
86) Perylene-d12	24.379	264	1495076	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1248041	74.525	ng	-0.02
7) Phenol-d6	6.934	99	1676447	79.647	ng	-0.02
23) Nitrobenzene-d5	8.904	82	997261	44.169	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	895863	79.686	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2787304	43.367	ng	-0.02
79) Terphenyl-d14	19.768	244	4682510	51.397	ng	-0.01
Target Compounds						
						Qvalue
56) 4-Nitrophenol	14.651	139	409	4.577	ng	# 1
63) Azobenzene	15.751	77	169915	3.872	ng	# 1
75) Fluoranthene	19.203	202	285844	2.853	ng	98
78) Pyrene	19.568	202	270780	2.860	ng	100
88) Benzo(b)fluoranthene	23.438	252	276513	2.844	ng	# 85

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

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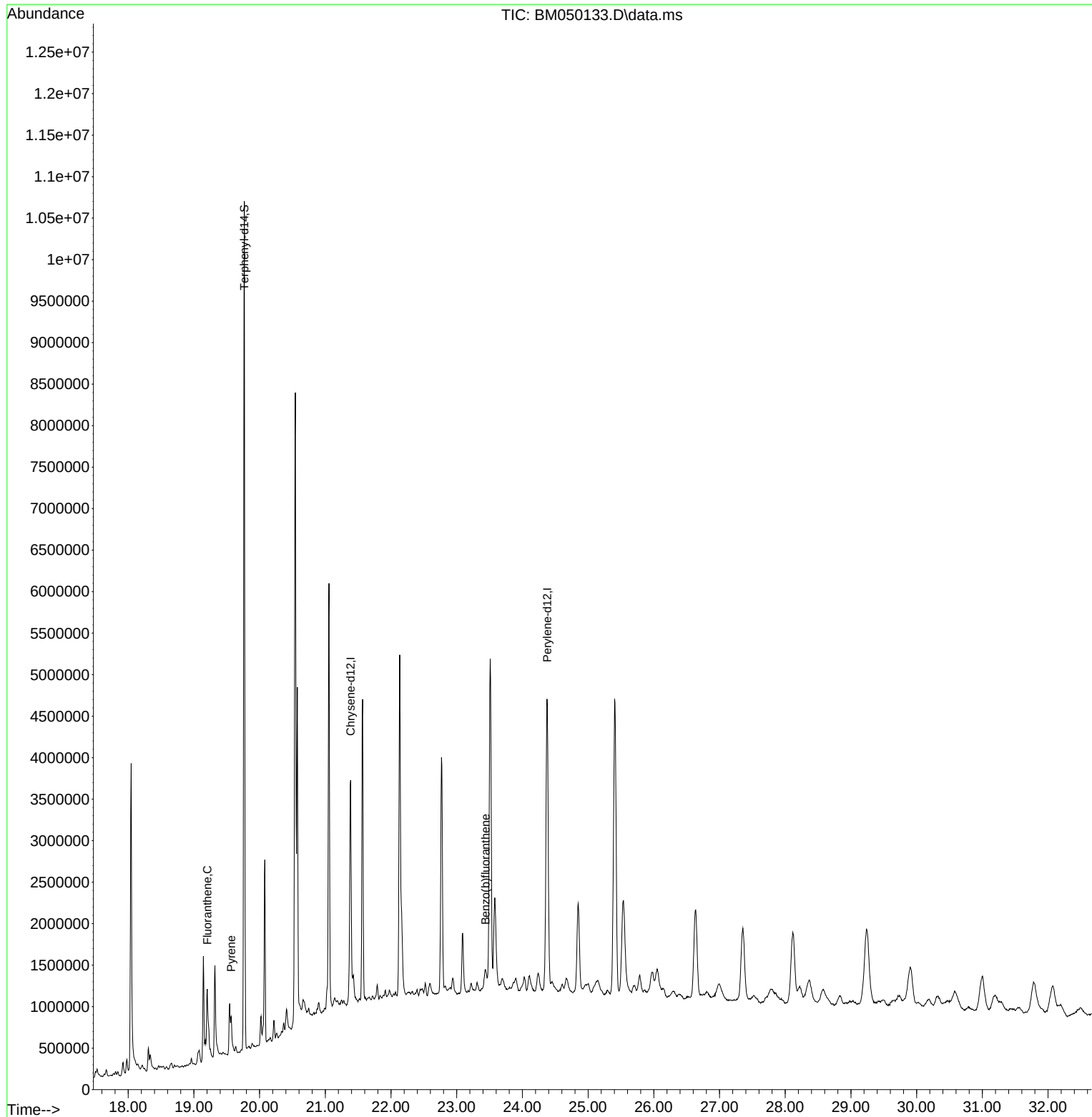
Quant Time: May 07 14:30:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

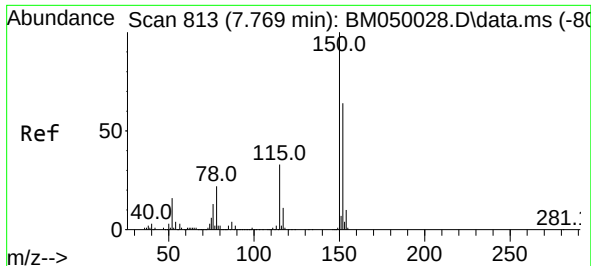


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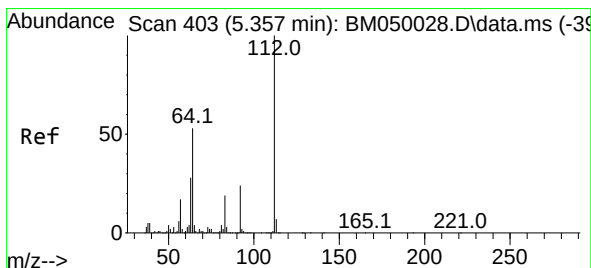
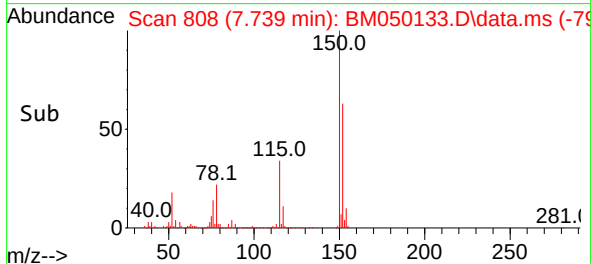
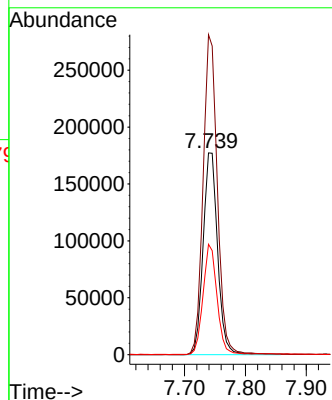
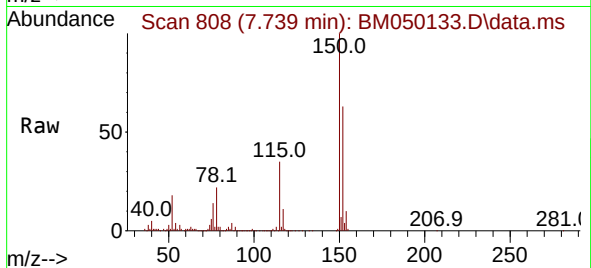




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.739 min Scan# 808
Delta R.T. -0.030 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

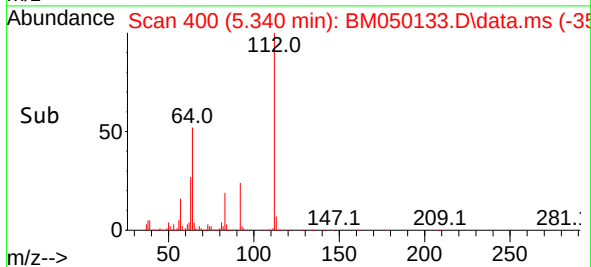
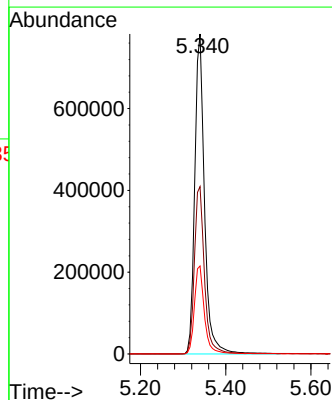
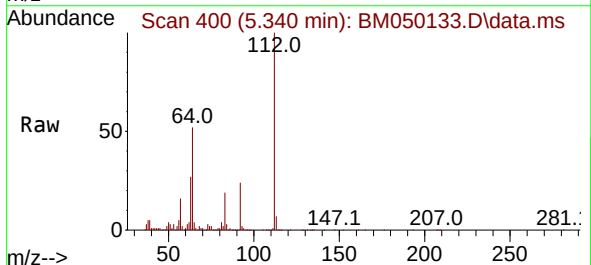
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

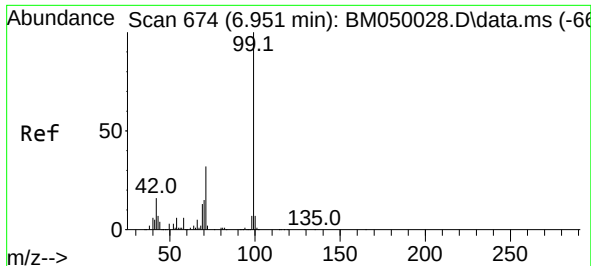
Tgt Ion:152 Resp: 293247
Ion Ratio Lower Upper
152 100
150 158.6 124.1 186.1
115 54.7 41.2 61.8



#5
2-Fluorophenol
Concen: 74.525 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Tgt Ion:112 Resp: 1248041
Ion Ratio Lower Upper
112 100
64 52.3 42.6 64.0
63 27.5 22.2 33.4

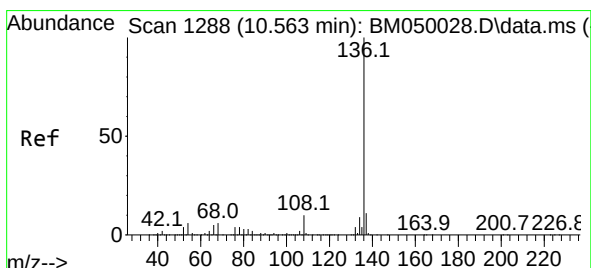
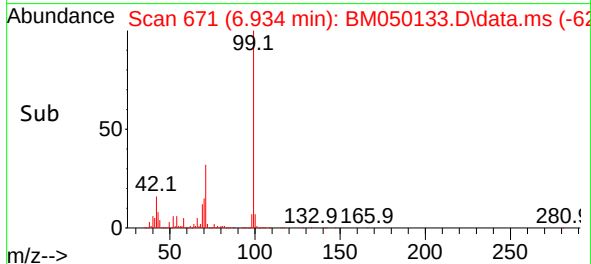
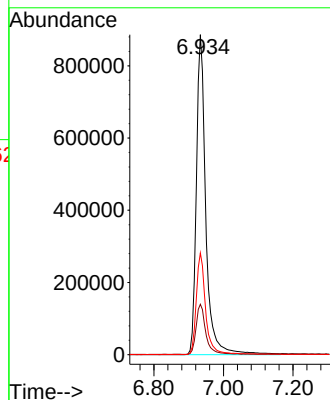
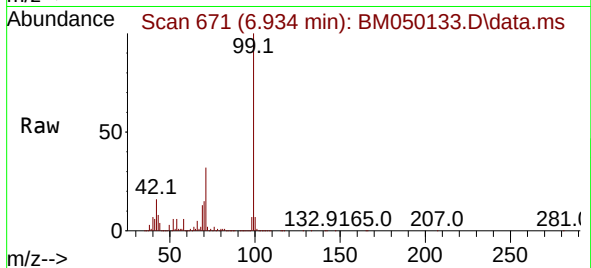




#7
Phenol-d6
Concen: 79.647 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

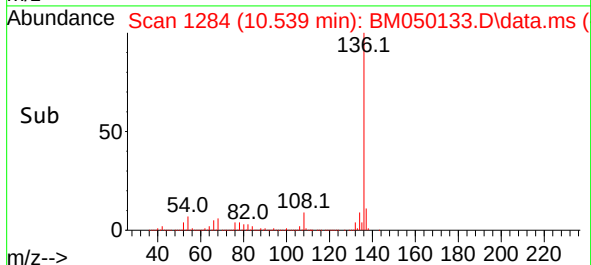
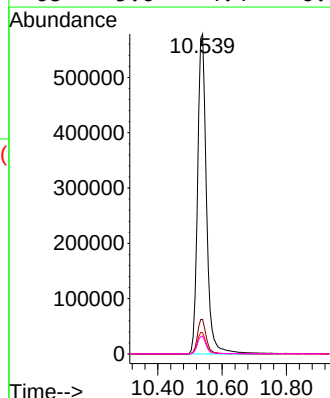
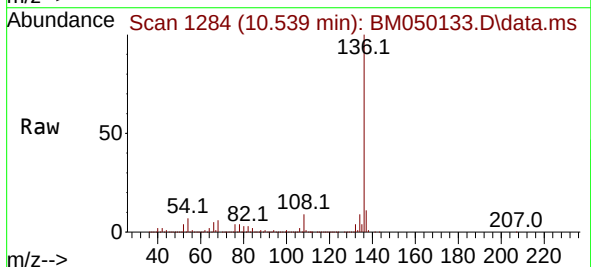
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

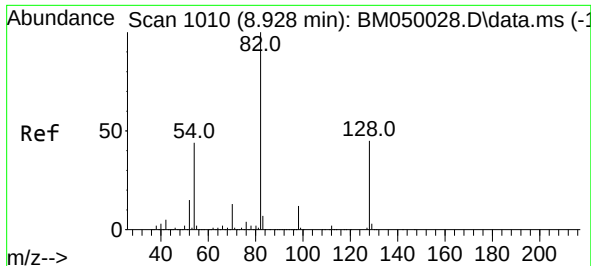
Tgt Ion: 99 Resp: 1676447
Ion Ratio Lower Upper
99 100
42 15.8 13.0 19.4
71 31.8 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Tgt Ion: 136 Resp: 1112568
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.7 5.1 7.7
68 5.6 4.4 6.6





#23

Nitrobenzene-d5

Concen: 44.169 ng

RT: 8.904 min Scan# 1006

Delta R.T. -0.024 min

Lab File: BM050133.D

Acq: 07 May 2025 13:12

Instrument :

BNA_M

ClientSampleId :

LOWER-WALL-PILE-A

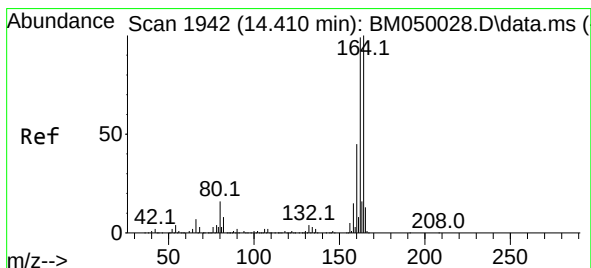
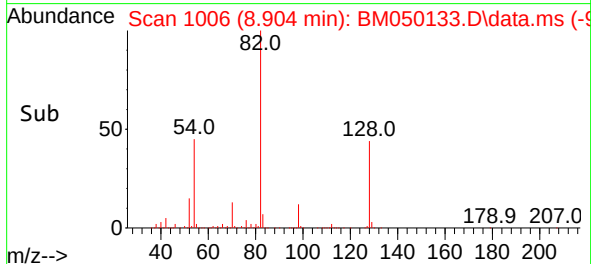
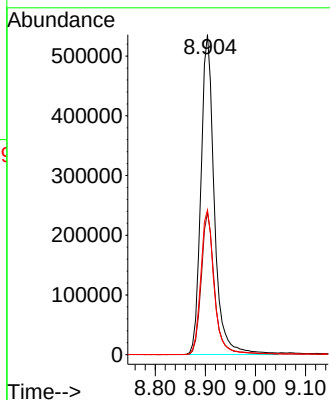
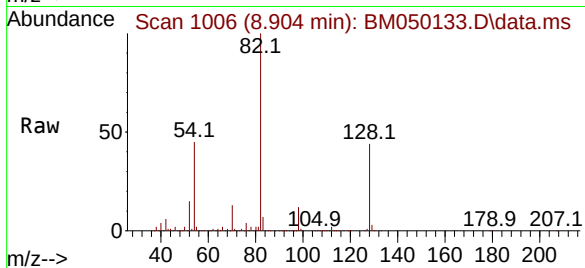
Tgt Ion: 82 Resp: 997261

Ion Ratio Lower Upper

82 100

128 44.5 35.7 53.5

54 45.3 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: BM050133.D

Acq: 07 May 2025 13:12

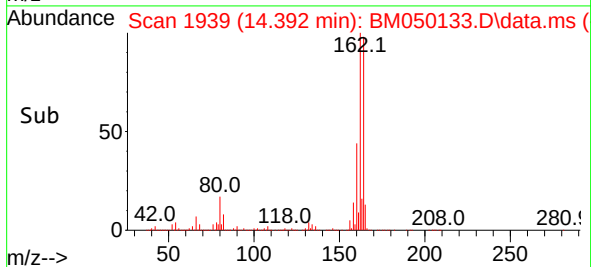
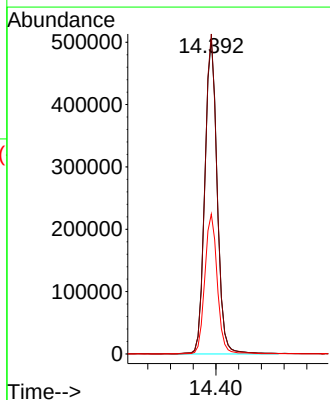
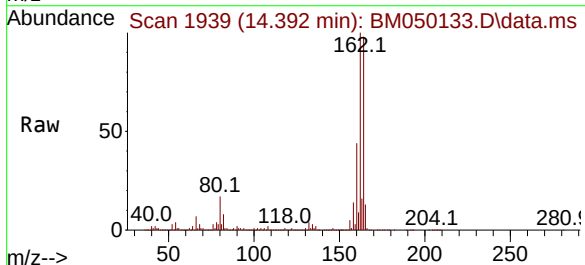
Tgt Ion: 164 Resp: 760329

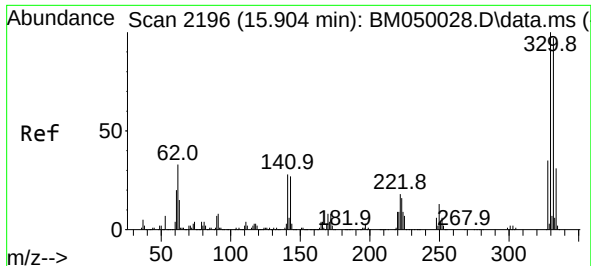
Ion Ratio Lower Upper

164 100

162 101.8 79.4 119.0

160 44.5 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 79.686 ng

RT: 15.892 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050133.D

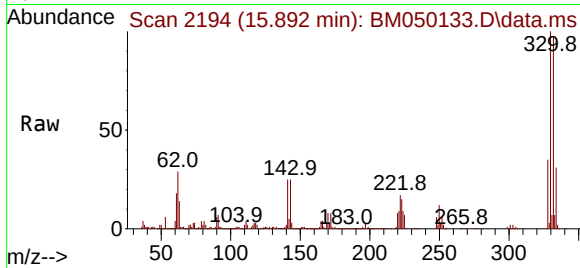
Acq: 07 May 2025 13:12

Instrument :

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ClientSampleId :

LOWER-WALL-PILE-A



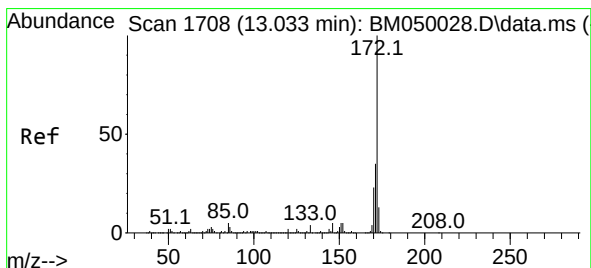
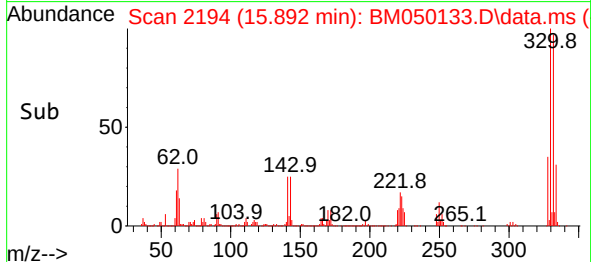
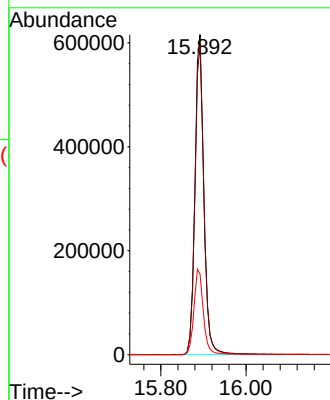
Tgt Ion:330 Resp: 895863

Ion Ratio Lower Upper

330 100

332 97.6 77.3 115.9

141 28.0 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 43.367 ng

RT: 13.010 min Scan# 1704

Delta R.T. -0.024 min

Lab File: BM050133.D

Acq: 07 May 2025 13:12

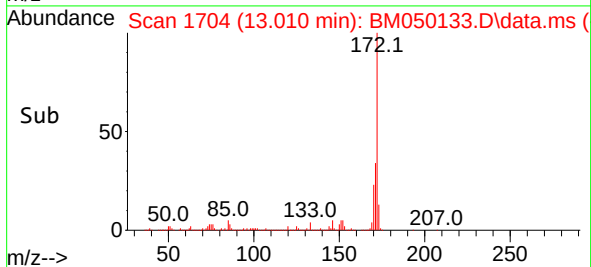
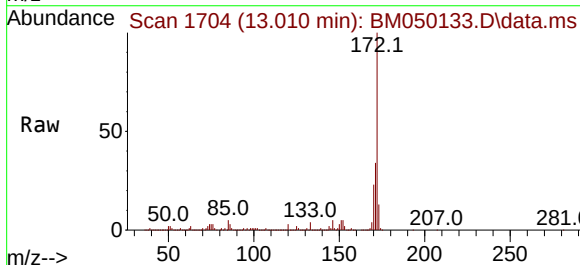
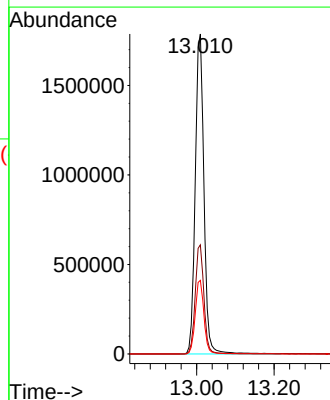
Tgt Ion:172 Resp: 2787304

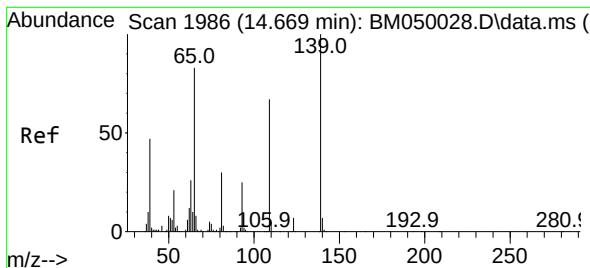
Ion Ratio Lower Upper

172 100

171 34.1 27.8 41.6

170 23.0 18.6 28.0

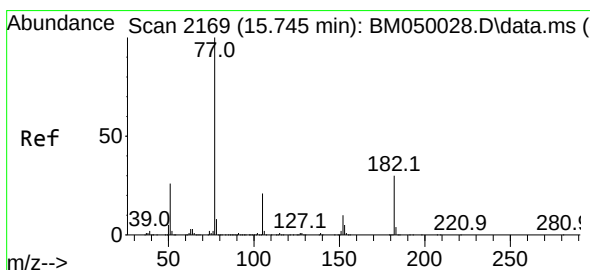
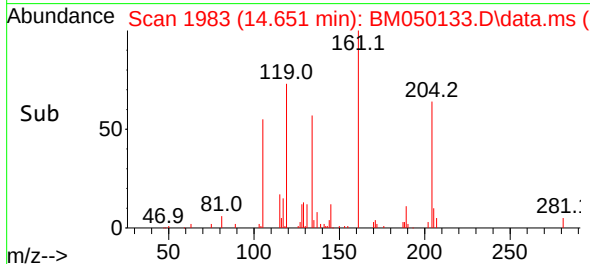
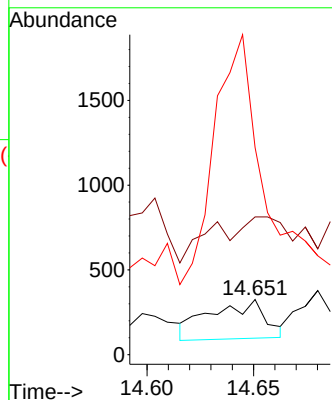
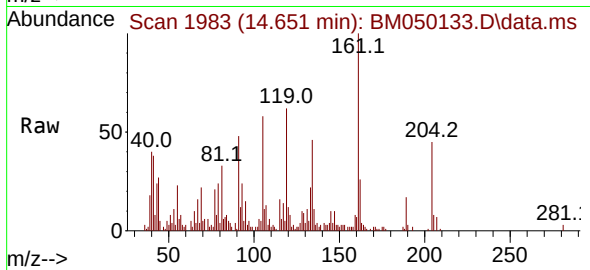




#56
4-Nitrophenol
Concen: 4.577 ng
RT: 14.651 min Scan# 1986
Delta R.T. -0.018 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

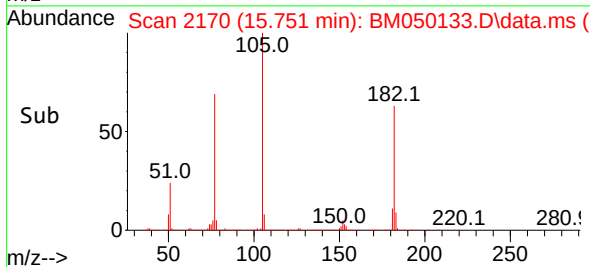
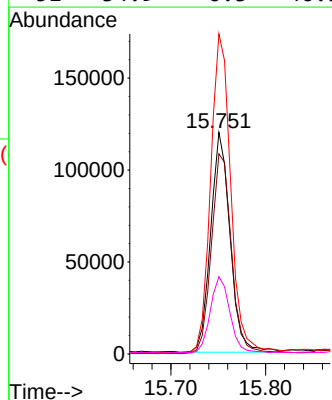
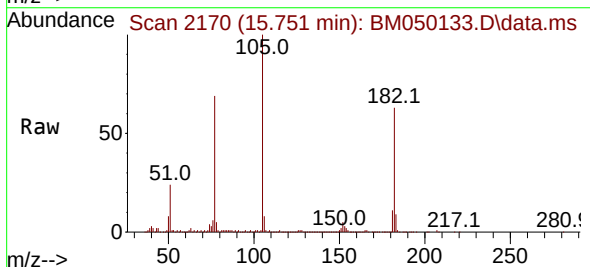
Instrument :
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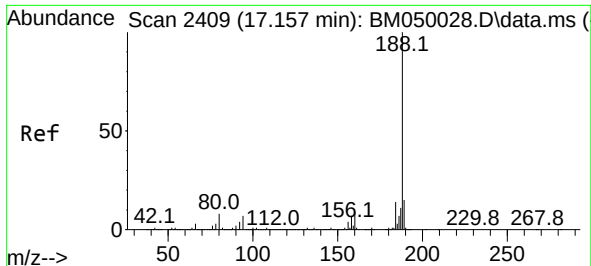
Tgt Ion:139 Resp: 409
Ion Ratio Lower Upper
139 100
109 250.2 47.0 87.0#
65 376.0 64.3 104.3#



#63
Azobenzene
Concen: 3.872 ng
RT: 15.751 min Scan# 2170
Delta R.T. 0.006 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Tgt Ion: 77 Resp: 169915
Ion Ratio Lower Upper
77 100
182 90.4 10.5 50.5#
105 144.4 1.1 41.1#
51 34.9 6.3 46.3

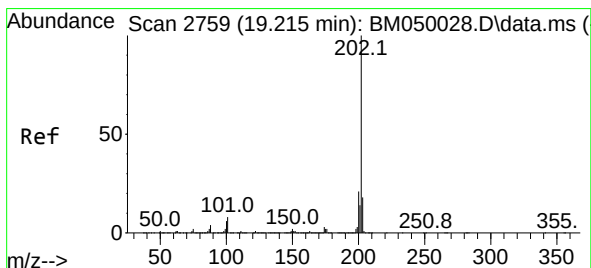
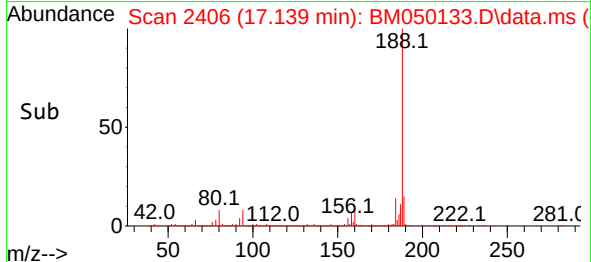
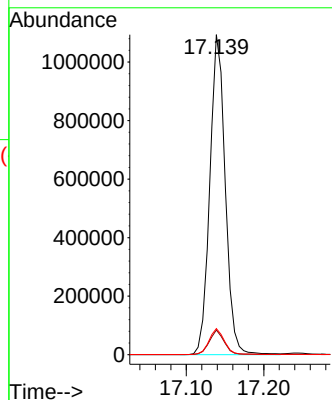
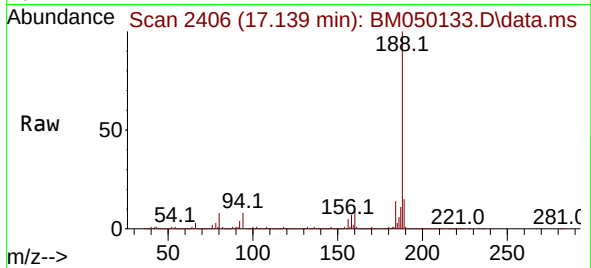




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

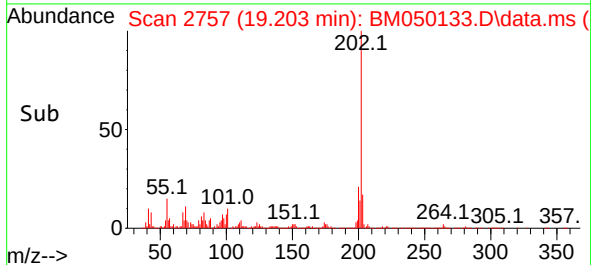
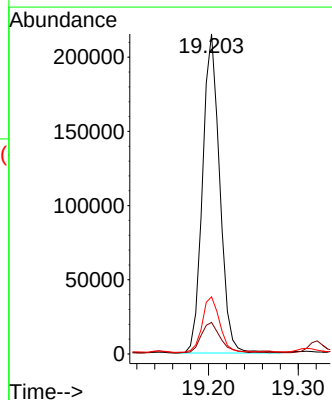
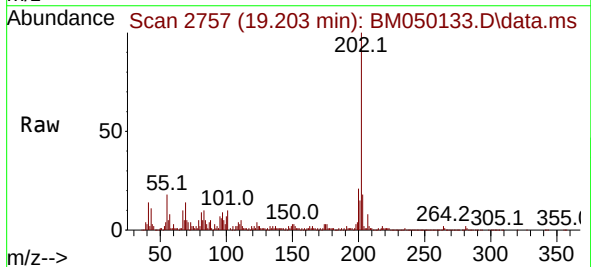
Instrument :
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ClientSampleId :
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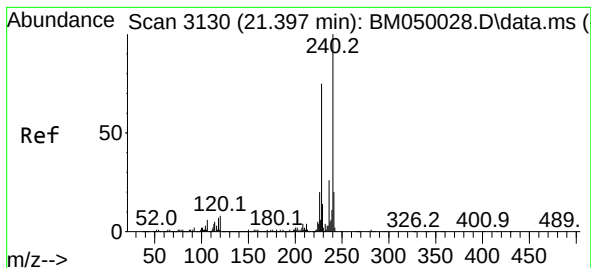
Tgt Ion:188 Resp: 1513291
Ion Ratio Lower Upper
188 100
94 7.7 5.7 8.5
80 8.2 6.2 9.4



#75
Fluoranthene
Concen: 2.853 ng
RT: 19.203 min Scan# 2757
Delta R.T. -0.012 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Tgt Ion:202 Resp: 285844
Ion Ratio Lower Upper
202 100
101 9.8 0.0 28.0
203 17.8 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: BM050133.D

Acq: 07 May 2025 13:12

Instrument :

BNA_M

ClientSampleId :

LOWER-WALL-PILE-A

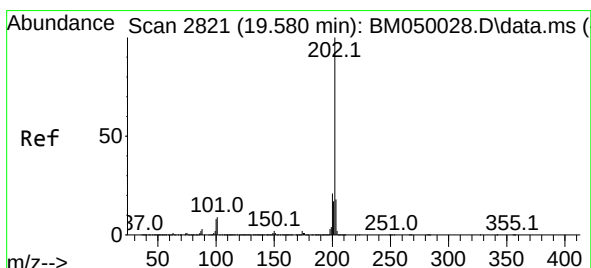
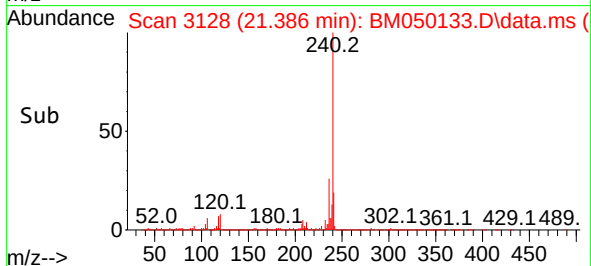
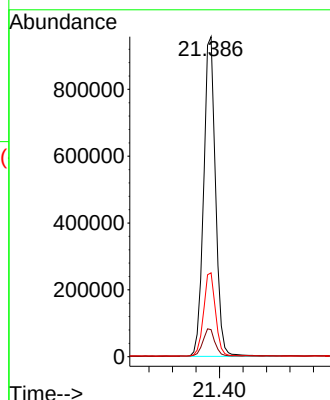
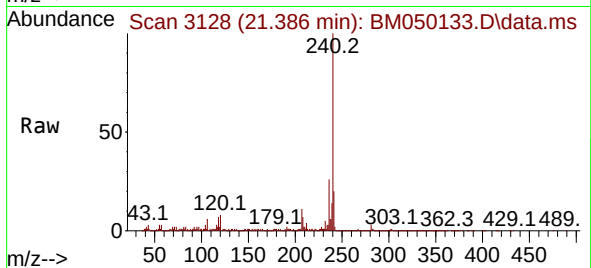
Tgt Ion:240 Resp: 1348104

Ion Ratio Lower Upper

240 100

120 8.4 6.5 9.7

236 26.2 20.9 31.3



#78

Pyrene

Concen: 2.860 ng

RT: 19.568 min Scan# 2819

Delta R.T. -0.012 min

Lab File: BM050133.D

Acq: 07 May 2025 13:12

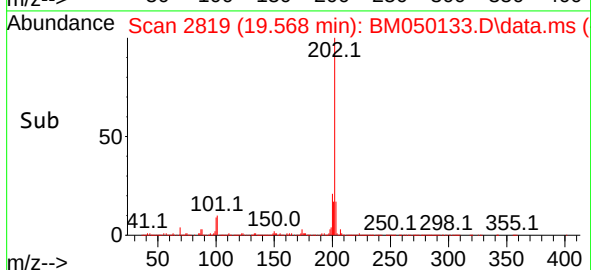
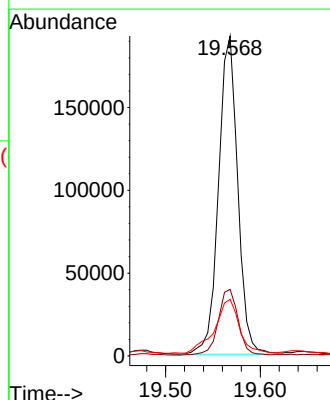
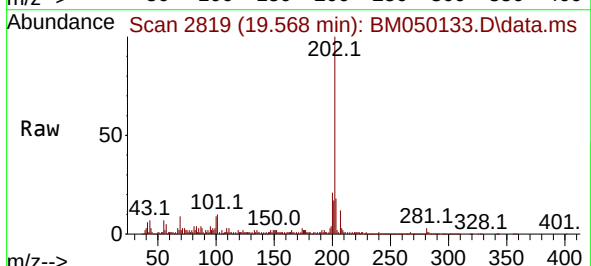
Tgt Ion:202 Resp: 270780

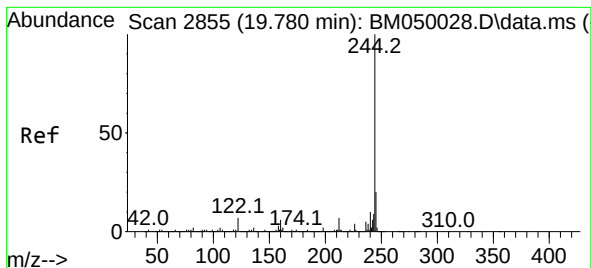
Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 17.7 14.1 21.1





#79

Terphenyl-d14

Concen: 51.397 ng

RT: 19.768 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050133.D

Acq: 07 May 2025 13:12

Instrument :

BNA_M

ClientSampleId :

LOWER-WALL-PILE-A

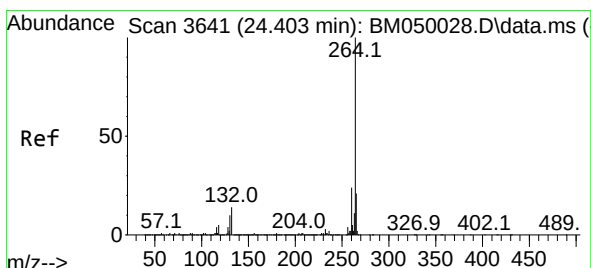
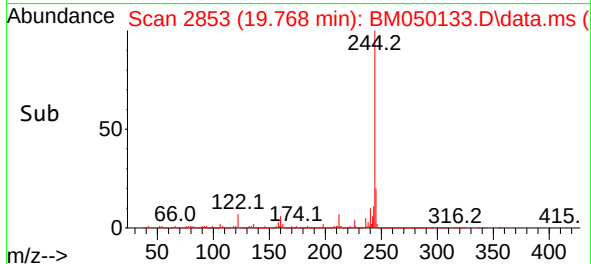
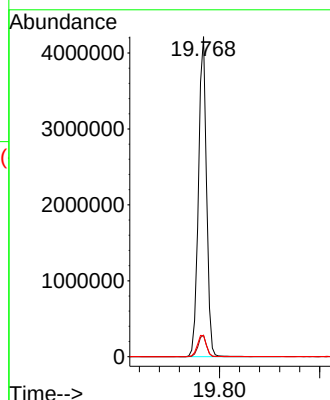
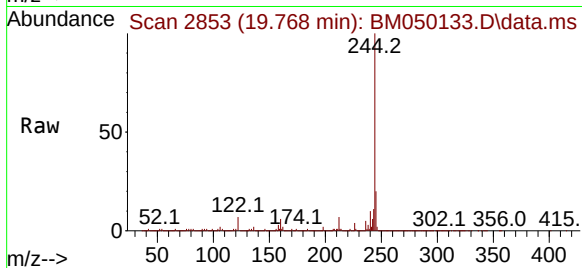
Tgt Ion:244 Resp: 4682510

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 6.6 5.6 8.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.379 min Scan# 3637

Delta R.T. -0.024 min

Lab File: BM050133.D

Acq: 07 May 2025 13:12

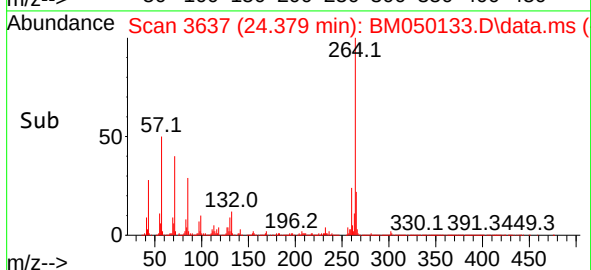
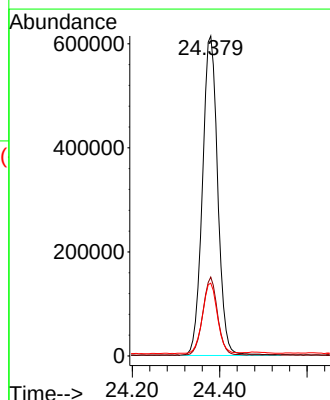
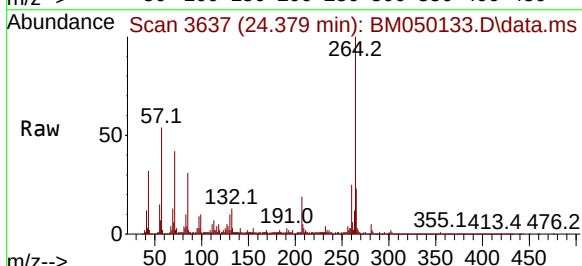
Tgt Ion:264 Resp: 1495076

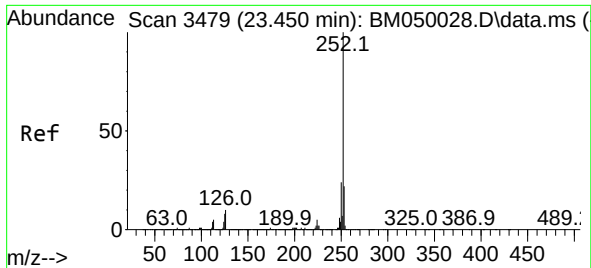
Ion Ratio Lower Upper

264 100

260 24.7 18.8 28.2

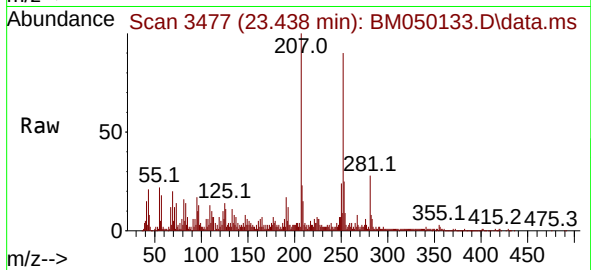
265 22.8 17.0 25.4





#88
 Benzo(b)fluoranthene
 Concen: 2.844 ng
 RT: 23.438 min Scan# 34
 Delta R.T. -0.012 min
 Lab File: BM050133.D
 Acq: 07 May 2025 13:12

Instrument :
 BNA_M
 ClientSampleId :
 LOWER-WALL-PILE-A



Tgt Ion:252 Resp: 276513
 Ion Ratio Lower Upper
 252 100
 253 27.9 17.7 26.5#
 125 15.3 6.1 9.1#

