

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
 Data File : BM050135.D
 Acq On : 07 May 2025 15:05
 Operator : RC/JU
 Sample : Q1945-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GB3W

Quant Time: May 07 15:45:21 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)

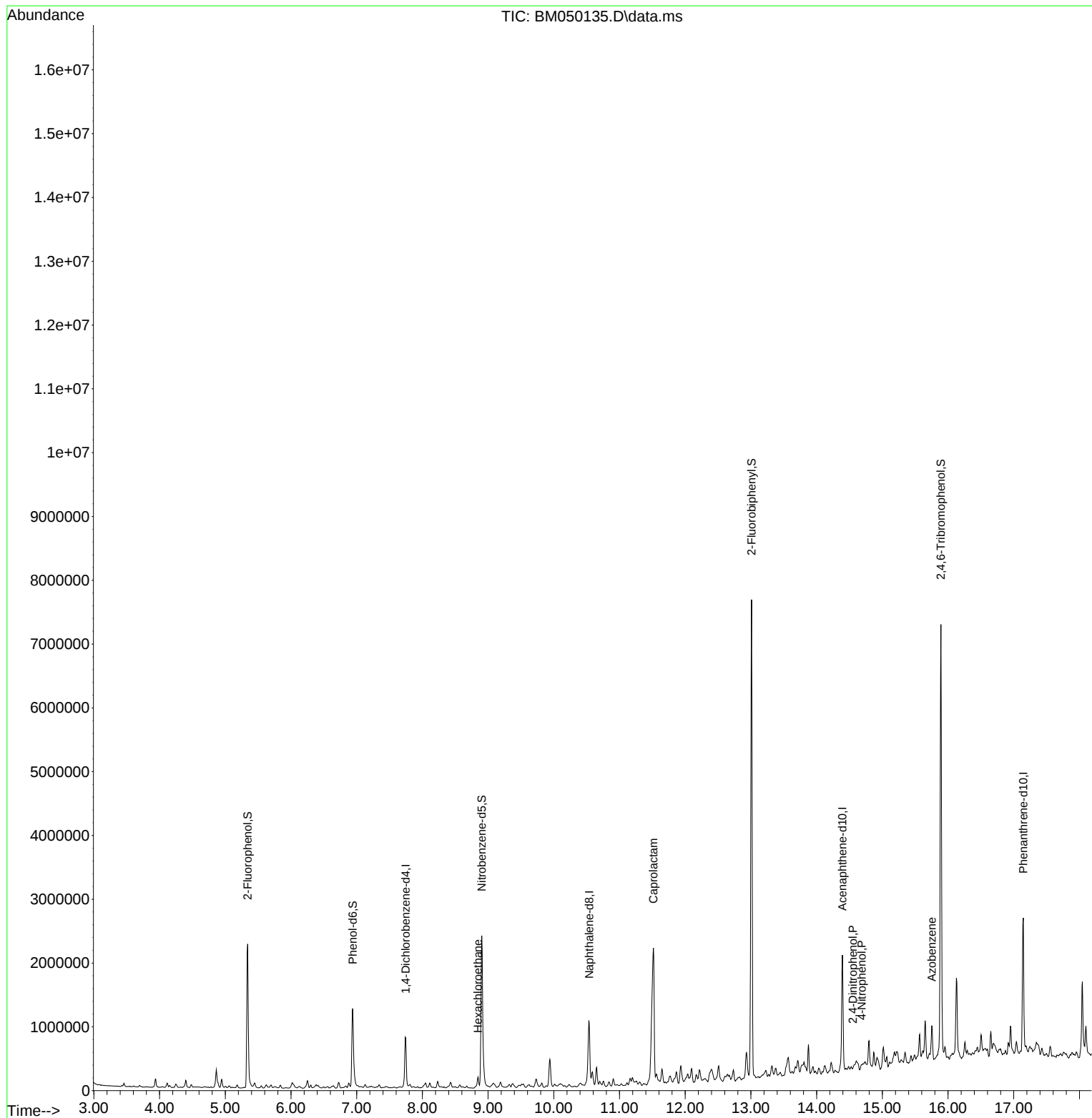
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	242816	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	891368	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	635661	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	1255364	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	1187377	20.000	ng	-0.01
86) Perylene-d12	24.385	264	1257762	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1133119	81.715	ng	-0.02
7) Phenol-d6	6.940	99	946530	54.309	ng	-0.01
23) Nitrobenzene-d5	8.904	82	1472624	81.409	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	1486604	158.165	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	4125107	76.770	ng	-0.02
79) Terphenyl-d14	19.768	244	6648397	82.854	ng	-0.01
Target Compounds						Qvalue
18) Hexachloroethane	8.845	117	22340	3.454	ng	# 1
35) Caprolactam	11.516	113	673454	155.586	ng	98
54) 2,4-Dinitrophenol	14.551	184	864	5.873	ng	# 1
56) 4-Nitrophenol	14.686	139	2988	4.911	ng	# 6
63) Azobenzene	15.751	77	116070	3.164	ng	# 1

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

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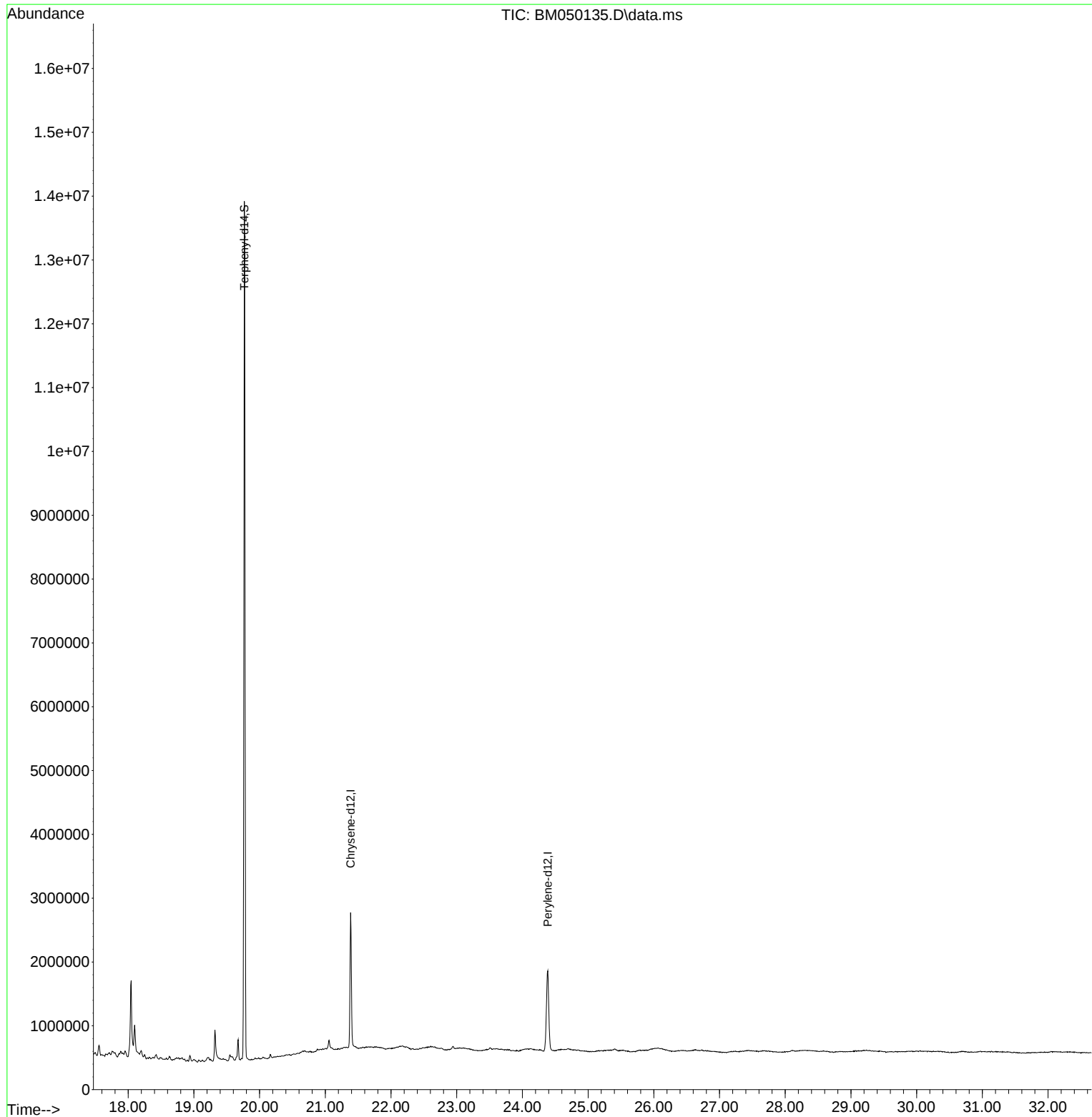
Quant Time: May 07 15:45:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



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Data File : BM050135.D
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Misc :
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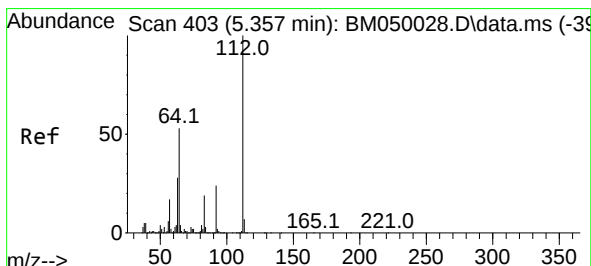
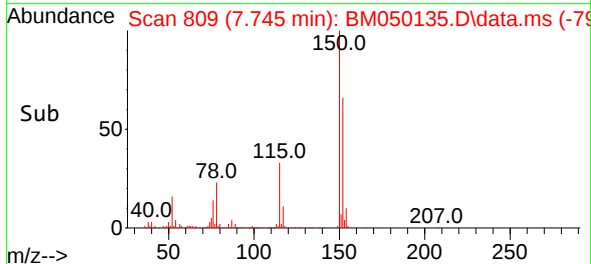
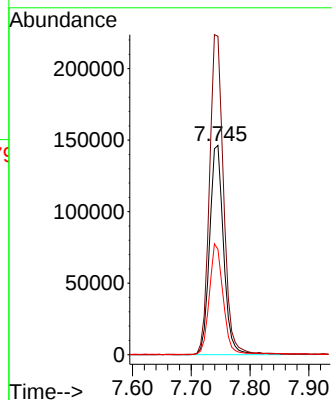
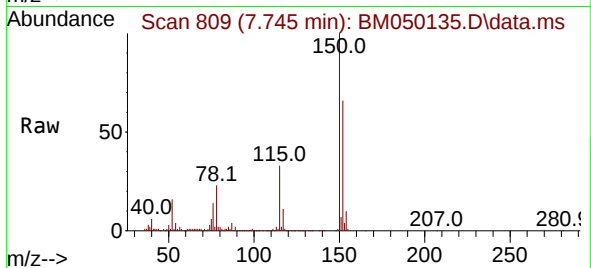




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

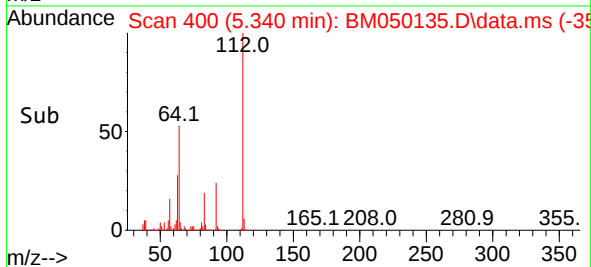
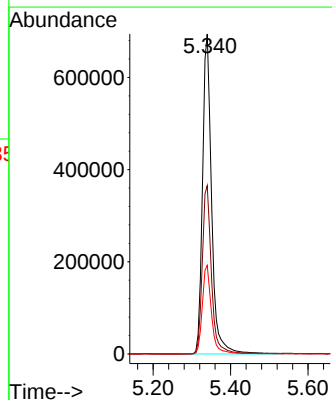
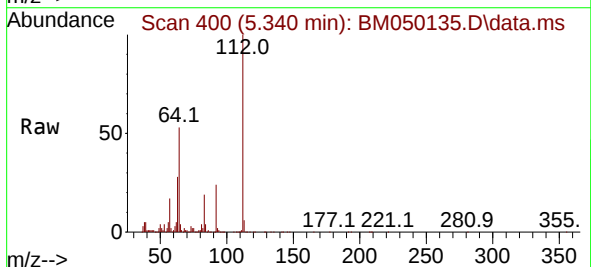
Instrument :
BNA_M
ClientSampleId :
GB3W

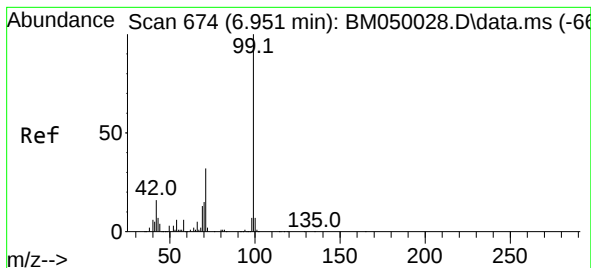
Tgt Ion:152 Resp: 242816
Ion Ratio Lower Upper
152 100
150 152.1 124.1 186.1
115 50.3 41.2 61.8



#5
2-Fluorophenol
Concen: 81.715 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

Tgt Ion:112 Resp: 1133119
Ion Ratio Lower Upper
112 100
64 52.6 42.6 64.0
63 27.7 22.2 33.4

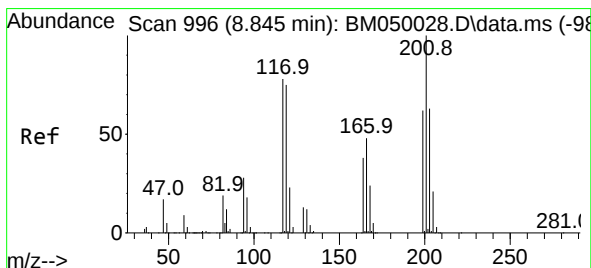
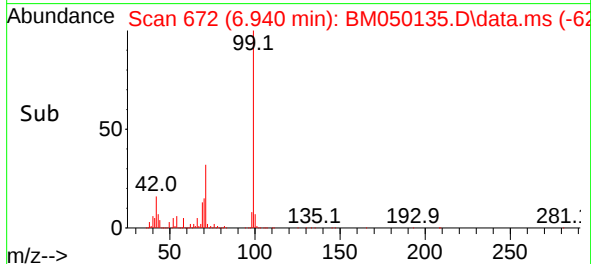
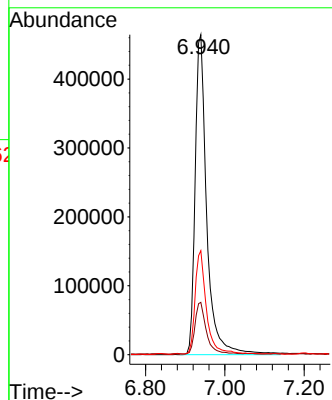
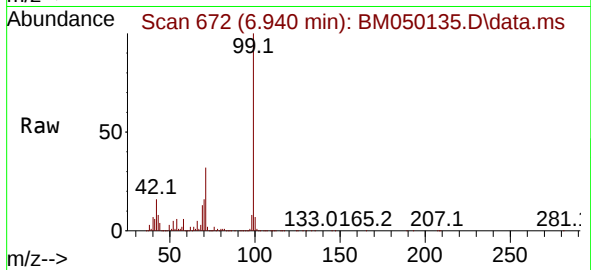




#7
Phenol-d6
Concen: 54.309 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

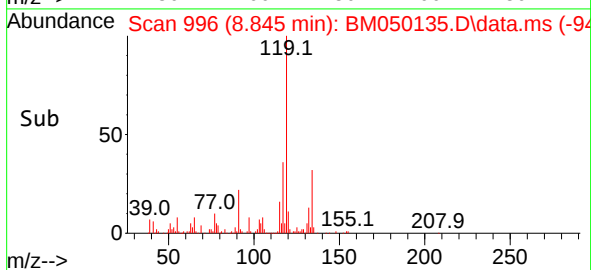
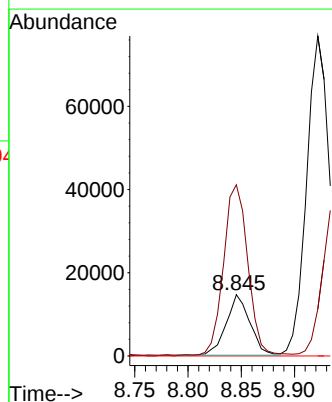
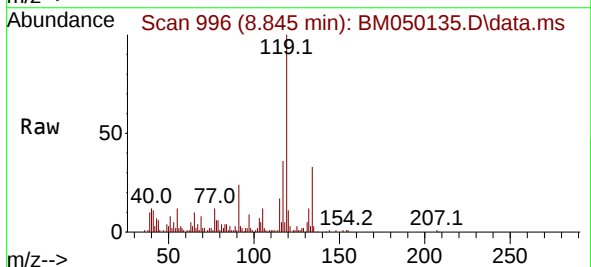
Instrument :
BNA_M
ClientSampleId :
GB3W

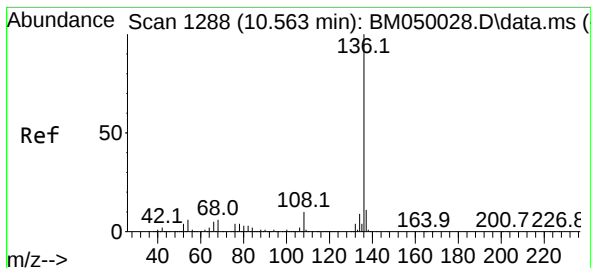
Tgt Ion: 99 Resp: 946530
Ion Ratio Lower Upper
99 100
42 16.4 13.0 19.4
71 32.5 25.6 38.4



#18
Hexachloroethane
Concen: 3.454 ng
RT: 8.845 min Scan# 996
Delta R.T. -0.000 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

Tgt Ion: 117 Resp: 22340
Ion Ratio Lower Upper
117 100
119 279.2 77.3 115.9#
201 0.0 102.8 154.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.539 min Scan# 1006

Delta R.T. -0.024 min

Lab File: BM050135.D

Acq: 07 May 2025 15:05

Instrument :

BNA_M

ClientSampleId :

GB3W

Tgt Ion:136 Resp: 891368

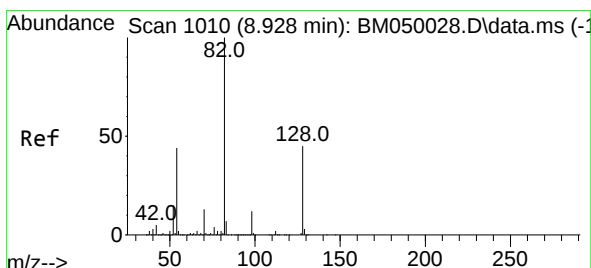
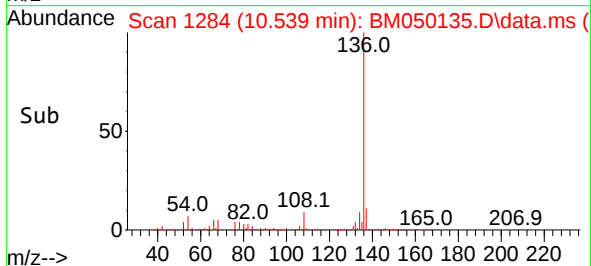
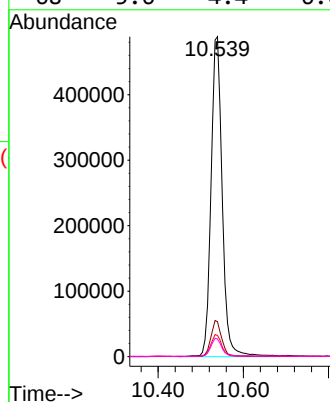
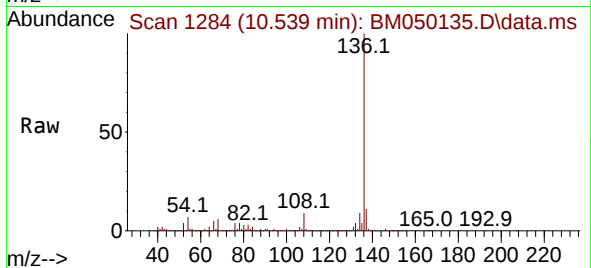
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.7 5.1 7.7

68 5.6 4.4 6.6



#23

Nitrobenzene-d5

Concen: 81.409 ng

RT: 8.904 min Scan# 1006

Delta R.T. -0.024 min

Lab File: BM050135.D

Acq: 07 May 2025 15:05

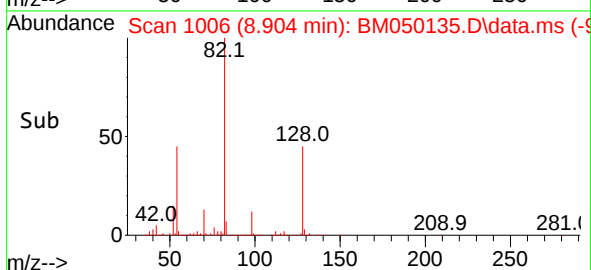
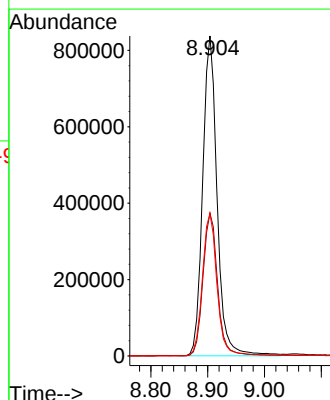
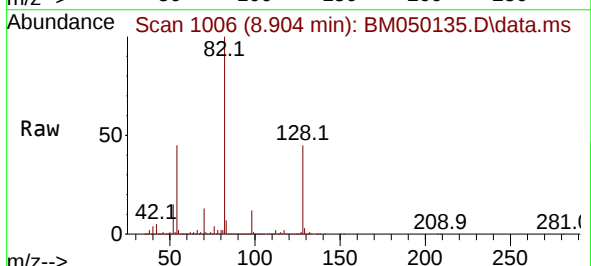
Tgt Ion: 82 Resp: 1472624

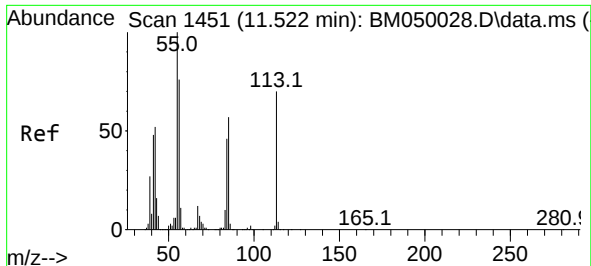
Ion Ratio Lower Upper

82 100

128 44.6 35.7 53.5

54 44.6 35.4 53.2

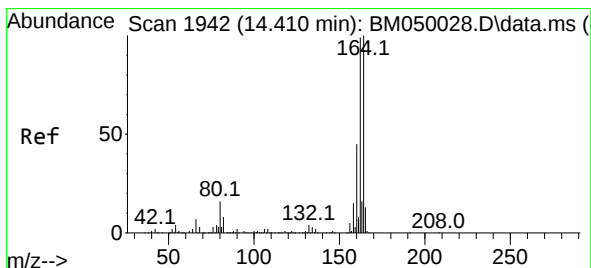
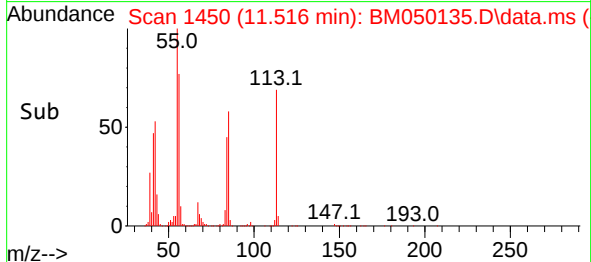
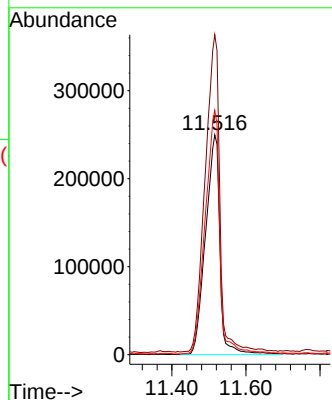
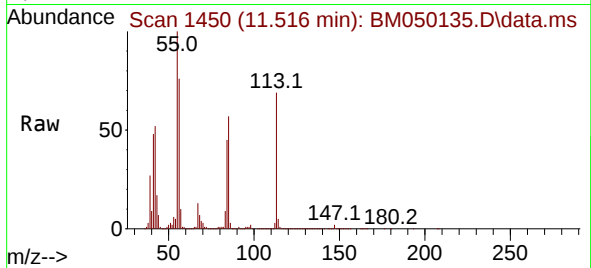




#35
Caprolactam
Concen: 155.586 ng
RT: 11.516 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

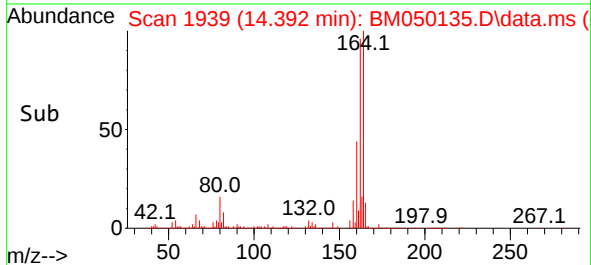
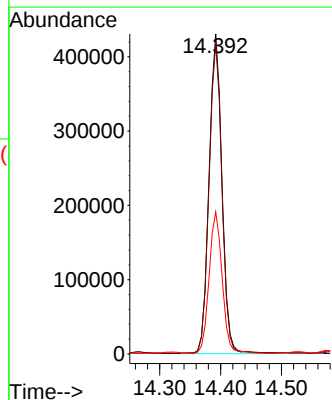
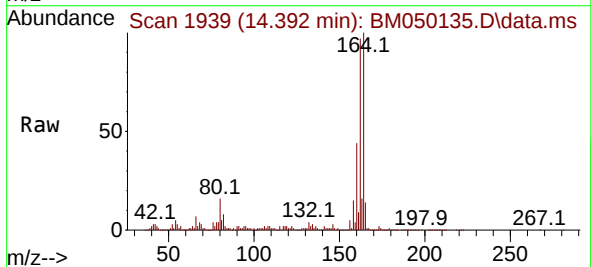
Instrument :
BNA_M
ClientSampleId :
GB3W

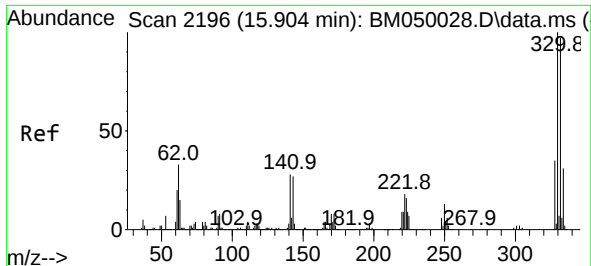
Tgt Ion:113 Resp: 673454
Ion Ratio Lower Upper
113 100
55 145.5 122.9 162.9
56 111.1 88.1 128.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

Tgt Ion:164 Resp: 635661
Ion Ratio Lower Upper
164 100
162 96.8 79.4 119.0
160 44.4 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 158.165 ng

RT: 15.892 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050135.D

Acq: 07 May 2025 15:05

Instrument :

BNA_M

ClientSampleId :

GB3W

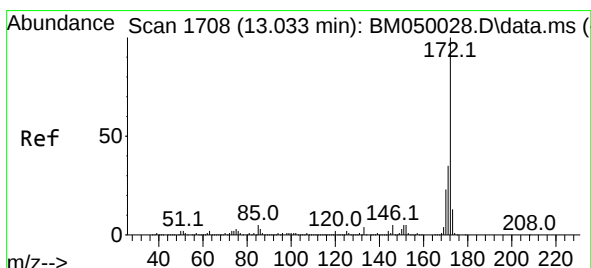
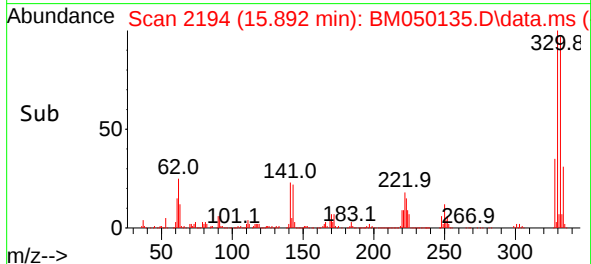
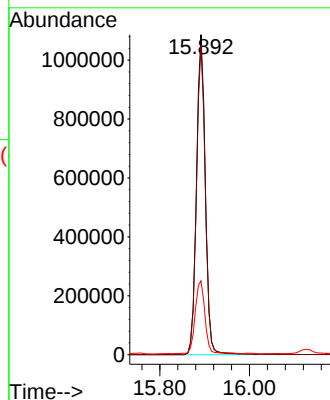
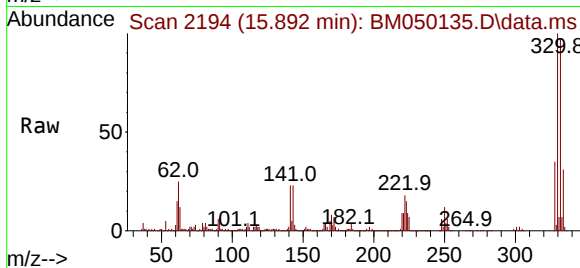
Tgt Ion:330 Resp: 1486604

Ion Ratio Lower Upper

330 100

332 96.9 77.3 115.9

141 25.3 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 76.770 ng

RT: 13.010 min Scan# 1704

Delta R.T. -0.024 min

Lab File: BM050135.D

Acq: 07 May 2025 15:05

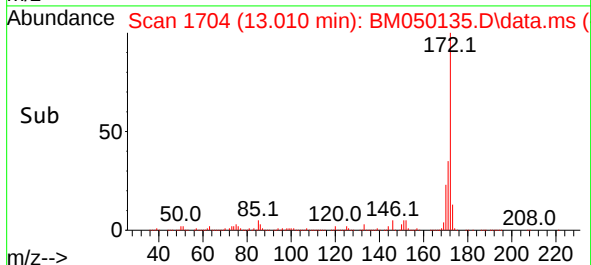
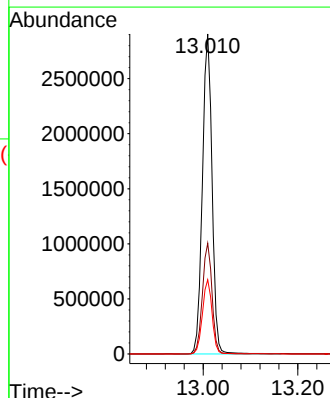
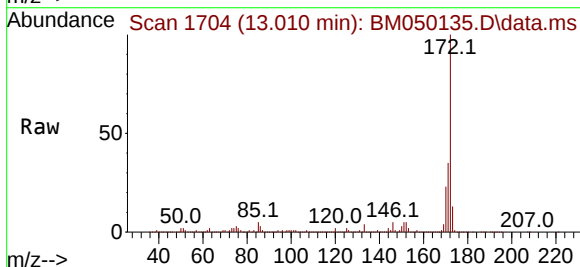
Tgt Ion:172 Resp: 4125107

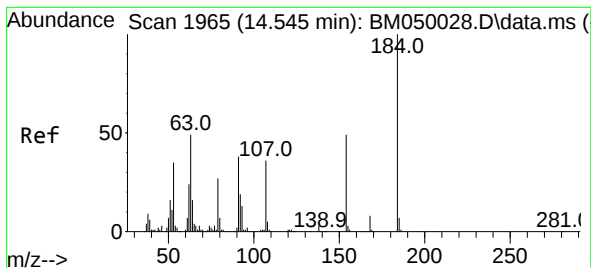
Ion Ratio Lower Upper

172 100

171 34.6 27.8 41.6

170 23.2 18.6 28.0

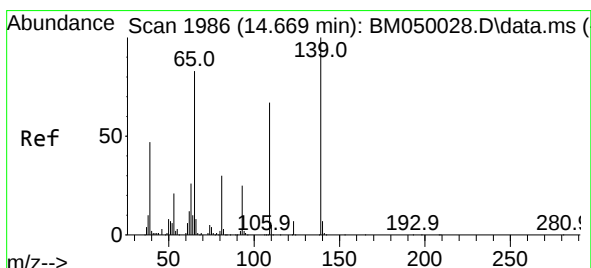
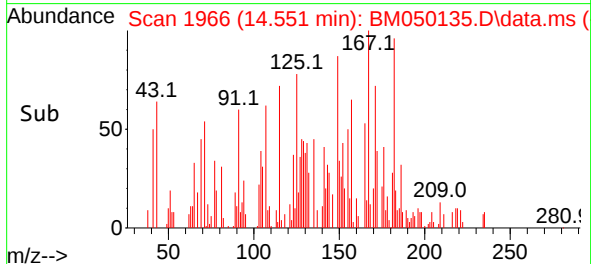
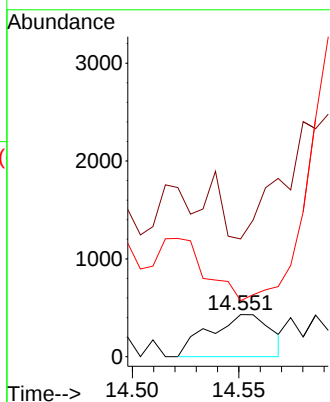
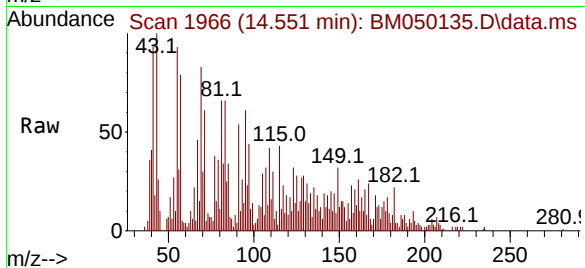




#54
2,4-Dinitrophenol
Concen: 5.873 ng
RT: 14.551 min Scan# 1965
Delta R.T. 0.006 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

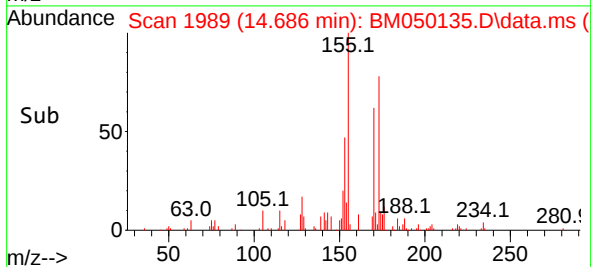
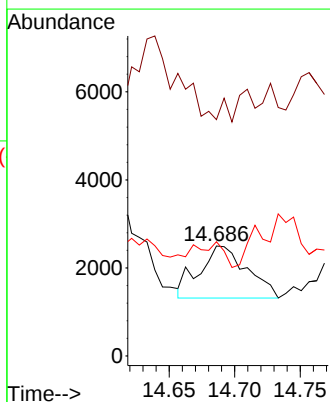
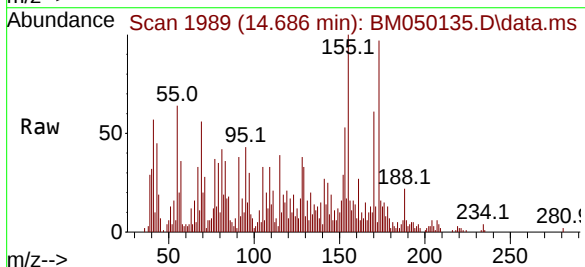
Instrument :
BNA_M
ClientSampleId :
GB3W

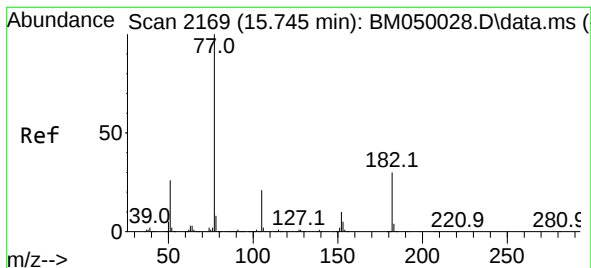
Tgt Ion:184 Resp: 864
Ion Ratio Lower Upper
184 100
63 280.0 39.8 59.6#
154 133.3 46.1 69.1#



#56
4-Nitrophenol
Concen: 4.911 ng
RT: 14.686 min Scan# 1989
Delta R.T. 0.017 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

Tgt Ion:139 Resp: 2988
Ion Ratio Lower Upper
139 100
109 215.1 47.0 87.0#
65 104.0 64.3 104.3





#63

Azobenzene

Concen: 3.164 ng

RT: 15.751 min Scan# 2169

Delta R.T. 0.006 min

Lab File: BM050135.D

Acq: 07 May 2025 15:05

Instrument :

BNA_M

ClientSampleId :

GB3W

Tgt Ion: 77 Resp: 116070

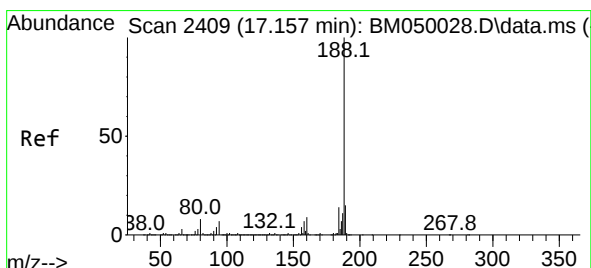
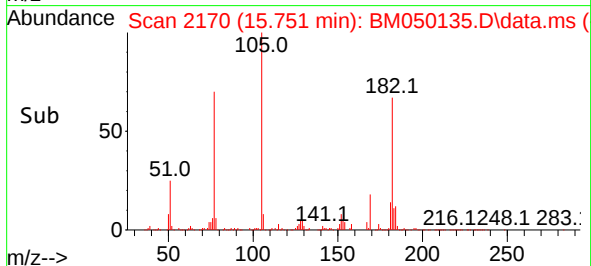
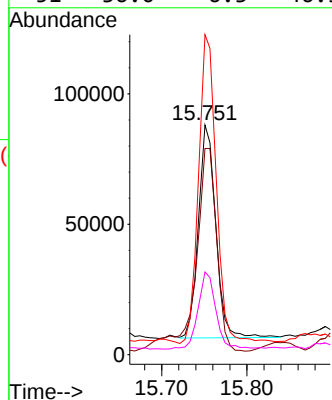
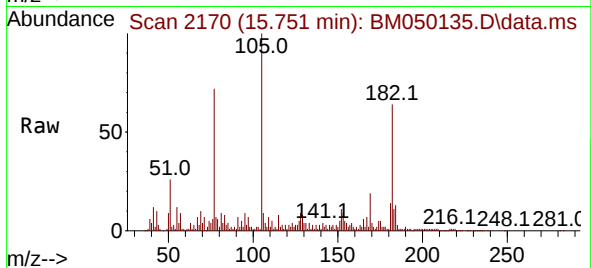
Ion Ratio Lower Upper

77 100

182 89.8 10.5 50.5#

105 139.3 1.1 41.1#

51 36.0 6.3 46.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.145 min Scan# 2407

Delta R.T. -0.012 min

Lab File: BM050135.D

Acq: 07 May 2025 15:05

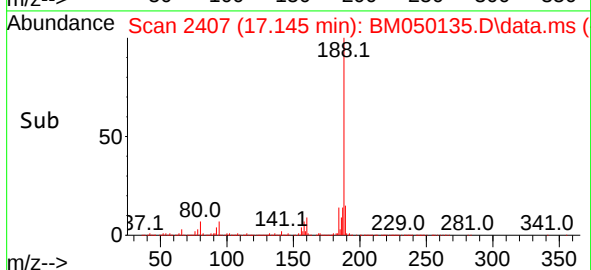
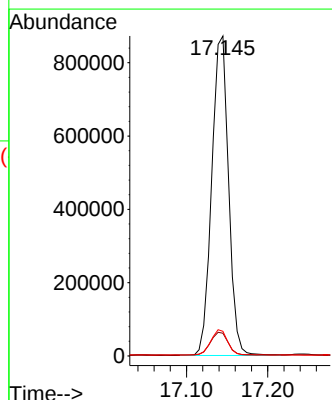
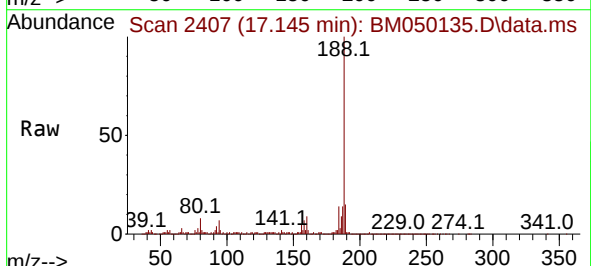
Tgt Ion: 188 Resp: 1255364

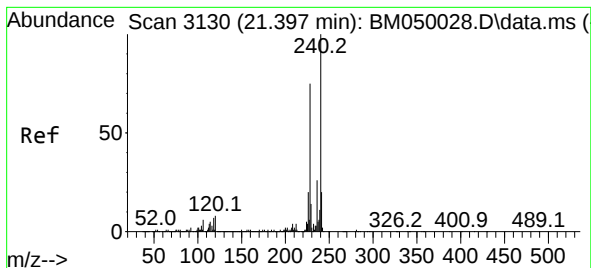
Ion Ratio Lower Upper

188 100

94 7.1 5.7 8.5

80 7.7 6.2 9.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 31

Delta R.T. -0.011 min

Lab File: BM050135.D

Acq: 07 May 2025 15:05

Instrument :

BNA_M

ClientSampleId :

GB3W

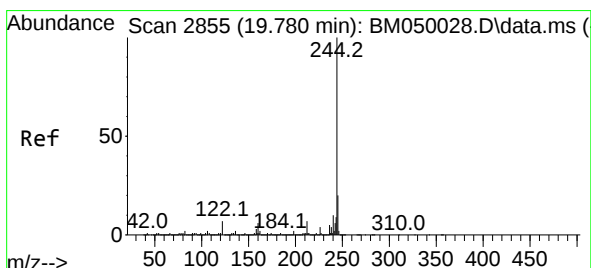
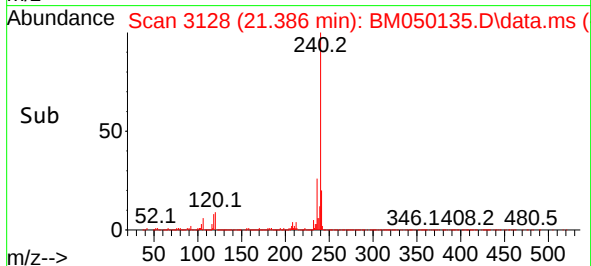
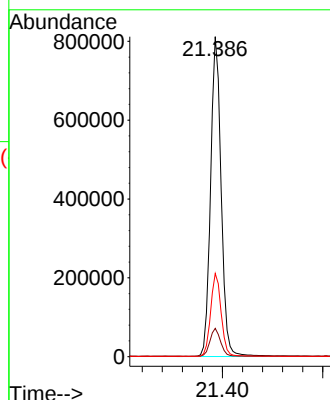
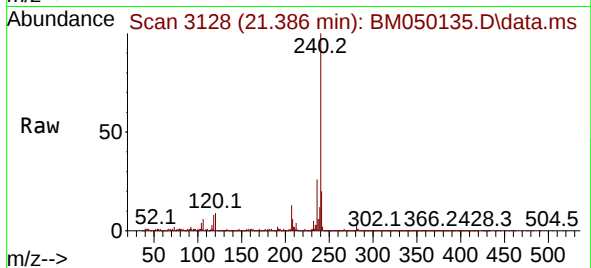
Tgt Ion:240 Resp: 1187377

Ion Ratio Lower Upper

240 100

120 8.8 6.5 9.7

236 26.0 20.9 31.3



#79

Terphenyl-d14

Concen: 82.854 ng

RT: 19.768 min Scan# 2853

Delta R.T. -0.012 min

Lab File: BM050135.D

Acq: 07 May 2025 15:05

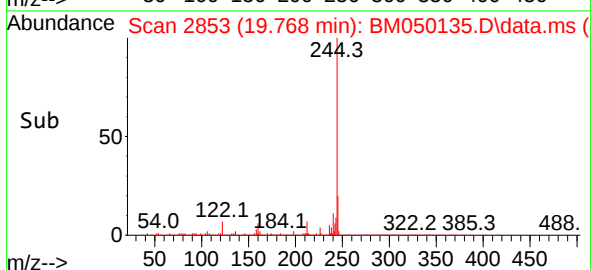
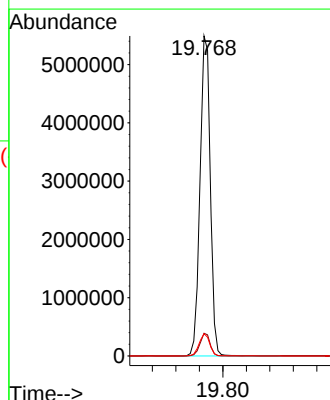
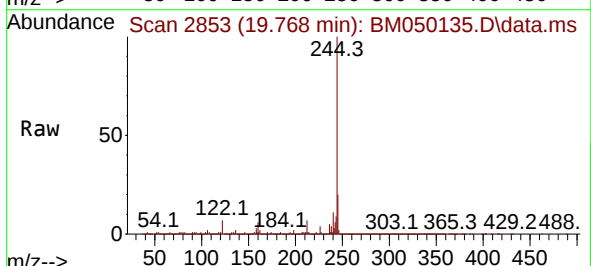
Tgt Ion:244 Resp: 6648397

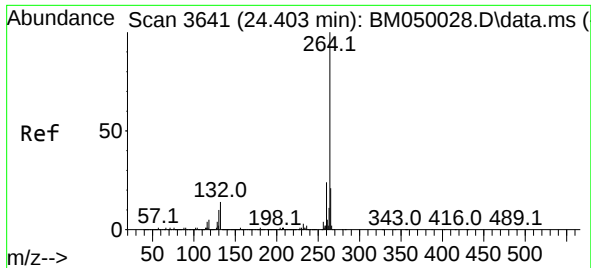
Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 6.9 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.385 min Scan# 30
 Delta R.T. -0.018 min
 Lab File: BM050135.D
 Acq: 07 May 2025 15:05

Instrument :
 BNA_M
 ClientSampleId :
 GB3W

Tgt Ion:264 Resp: 1257762
 Ion Ratio Lower Upper
 264 100
 260 24.4 18.8 28.2
 265 22.0 17.0 25.4

