

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
 Data File : BM050138.D
 Acq On : 07 May 2025 17:03
 Operator : RC/JU
 Sample : Q1945-02DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GB3WDL

Quant Time: May 07 18:00:48 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)

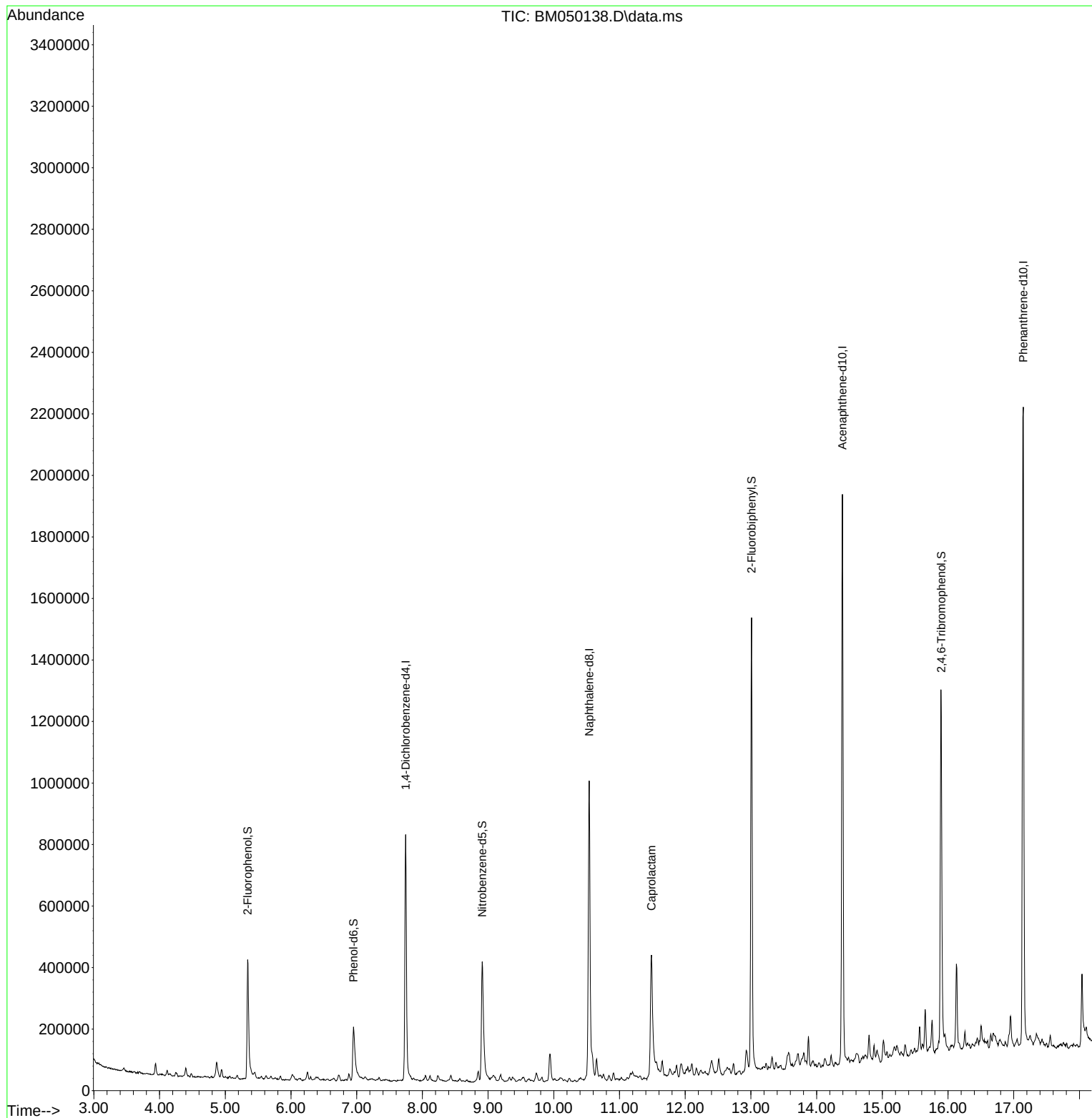
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	252681	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	948637	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	680621	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	1371677	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	1252991	20.000	ng	-0.01
86) Perylene-d12	24.385	264	1255099	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	231975	16.076	ng	-0.02
7) Phenol-d6	6.951	99	184138	10.153	ng	0.00
23) Nitrobenzene-d5	8.910	82	305105	15.849	ng	-0.02
42) 2,4,6-Tribromophenol	15.898	330	269859	26.815	ng	0.00
45) 2-Fluorobiphenyl	13.010	172	867165	15.072	ng	-0.02
79) Terphenyl-d14	19.768	244	1273016	15.034	ng	-0.01
Target Compounds						
35) Caprolactam	11.486	113	130629	28.357	ng	Qvalue 93

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

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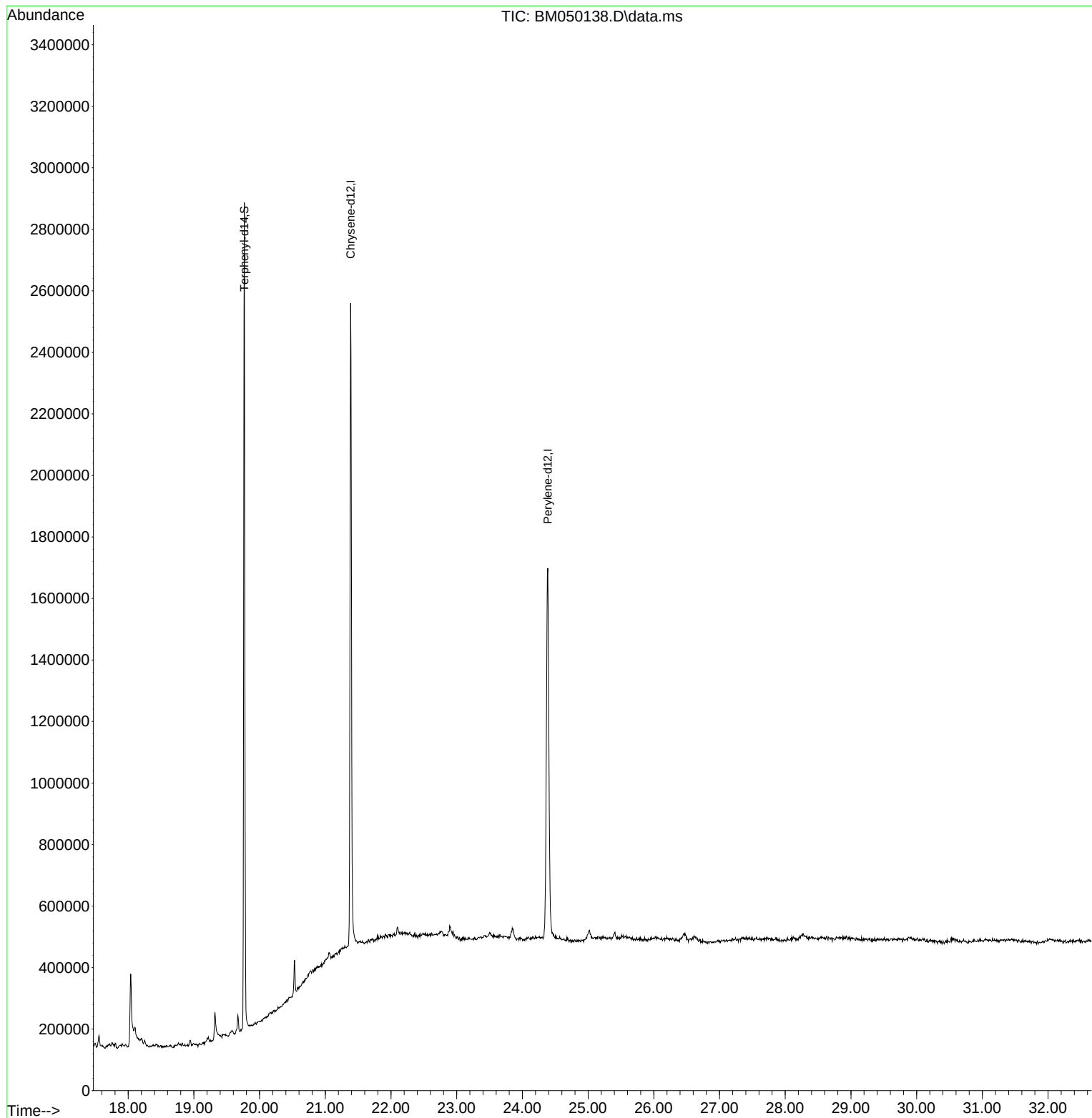
Quant Time: May 07 18:00:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
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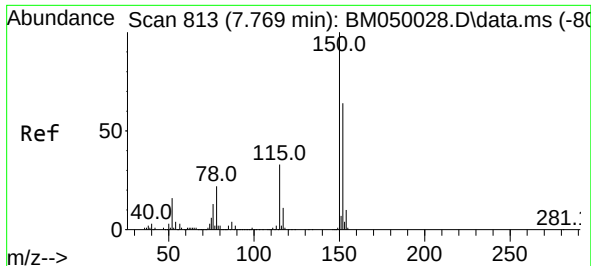


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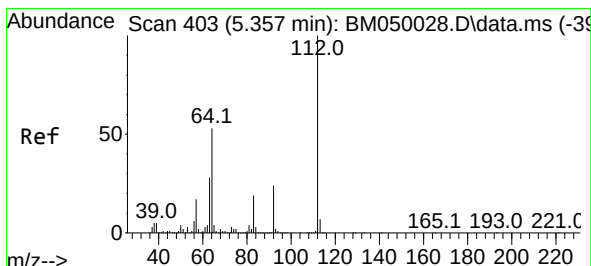
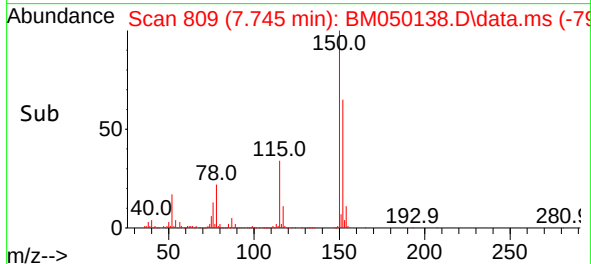
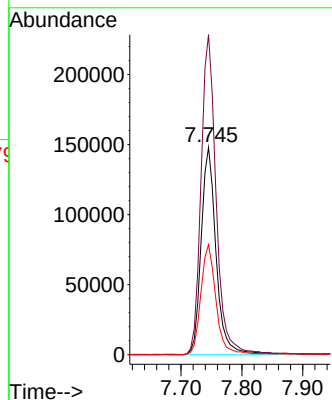
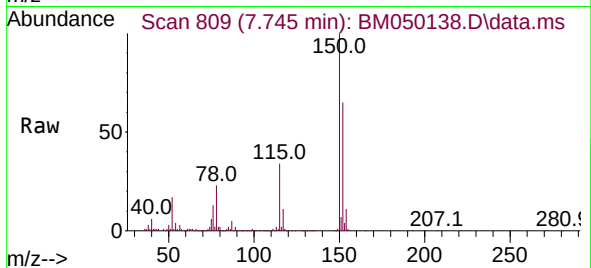




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050138.D
Acq: 07 May 2025 17:03

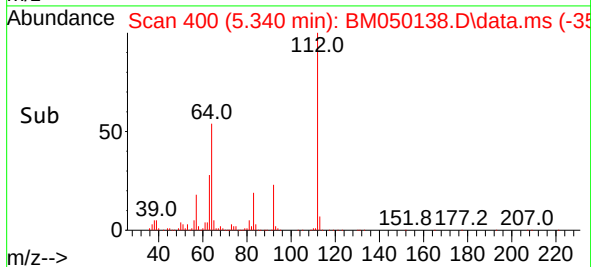
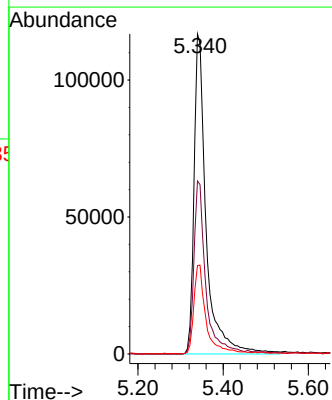
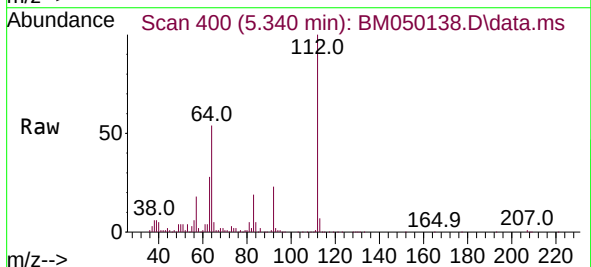
Instrument :
BNA_M
ClientSampleId :
GB3WDL

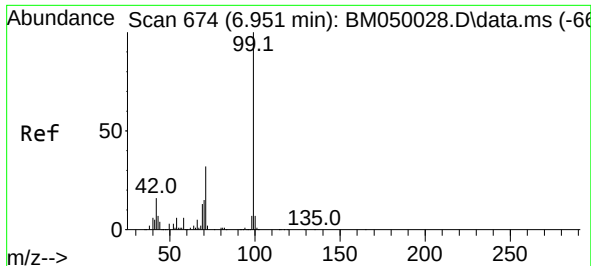
Tgt Ion:152 Resp: 252681
Ion Ratio Lower Upper
152 100
150 154.3 124.1 186.1
115 53.0 41.2 61.8



#5
2-Fluorophenol
Concen: 16.076 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050138.D
Acq: 07 May 2025 17:03

Tgt Ion:112 Resp: 231975
Ion Ratio Lower Upper
112 100
64 54.0 42.6 64.0
63 27.7 22.2 33.4

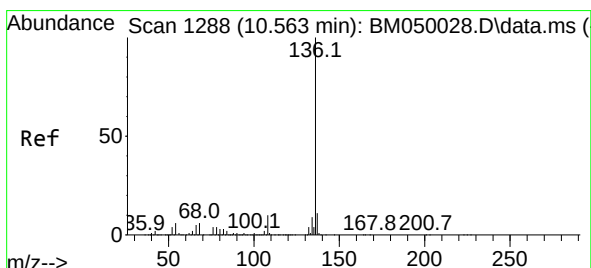
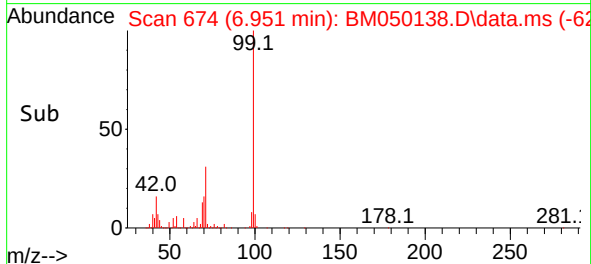
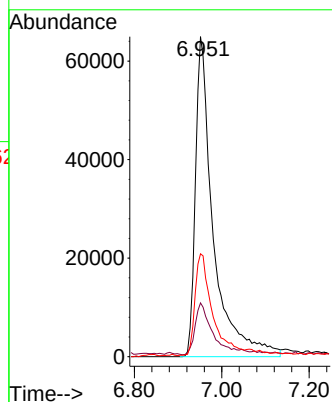
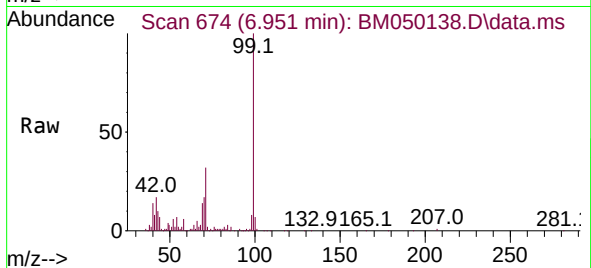




#7
Phenol-d6
Concen: 10.153 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050138.D
Acq: 07 May 2025 17:03

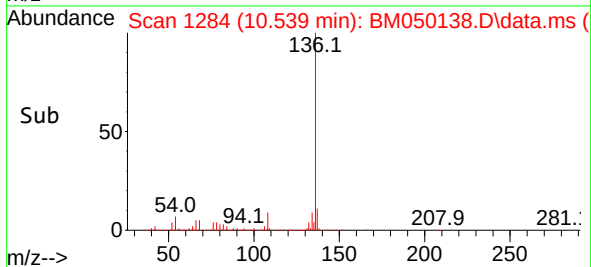
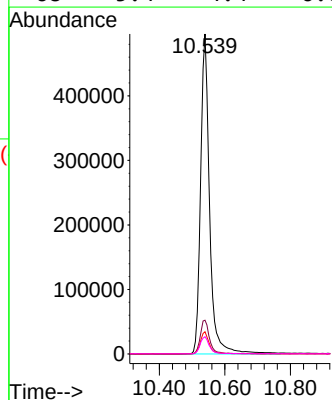
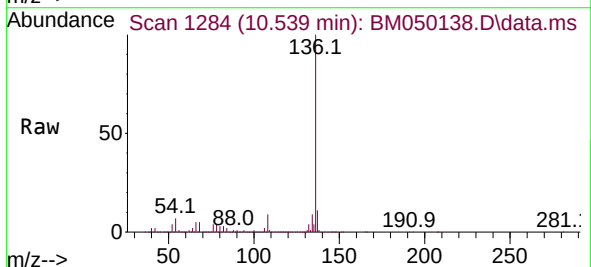
Instrument :
BNA_M
ClientSampleId :
GB3WDL

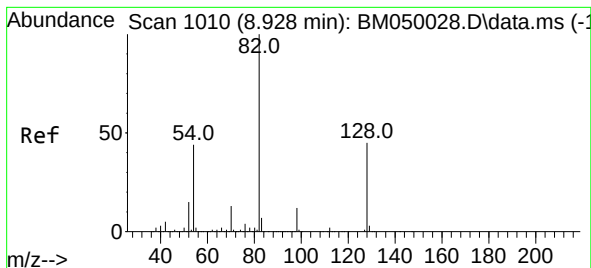
Tgt Ion: 99 Resp: 184138
Ion Ratio Lower Upper
99 100
42 16.8 13.0 19.4
71 32.2 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050138.D
Acq: 07 May 2025 17:03

Tgt Ion: 136 Resp: 948637
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 7.0 5.1 7.7
68 5.4 4.4 6.6





#23

Nitrobenzene-d5

Concen: 15.849 ng

RT: 8.910 min Scan# 1010

Delta R.T. -0.018 min

Lab File: BM050138.D

Acq: 07 May 2025 17:03

Instrument :

BNA_M

ClientSampleId :

GB3WDL

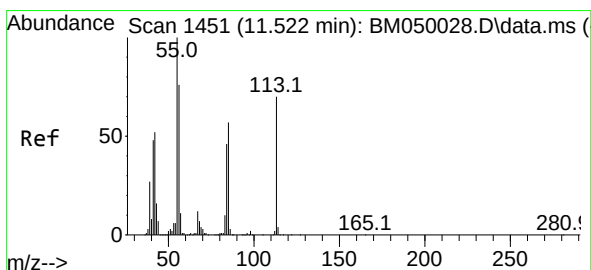
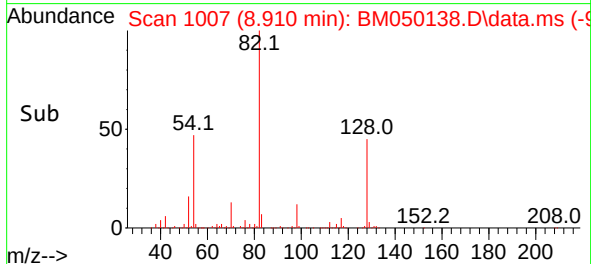
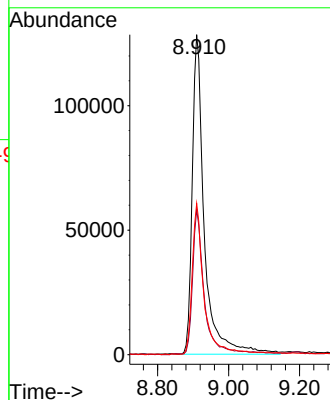
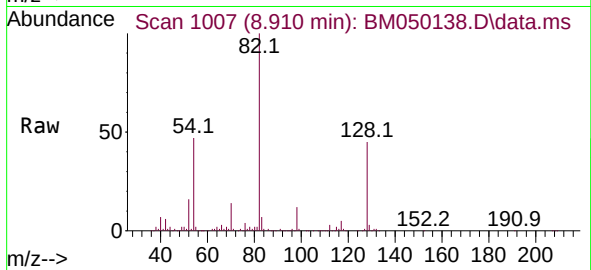
Tgt Ion: 82 Resp: 305105

Ion Ratio Lower Upper

82 100

128 45.3 35.7 53.5

54 47.3 35.4 53.2



#35

Caprolactam

Concen: 28.357 ng

RT: 11.486 min Scan# 1445

Delta R.T. -0.035 min

Lab File: BM050138.D

Acq: 07 May 2025 17:03

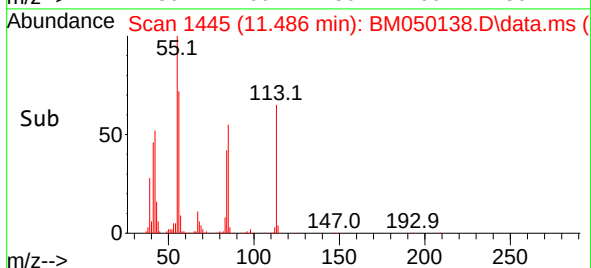
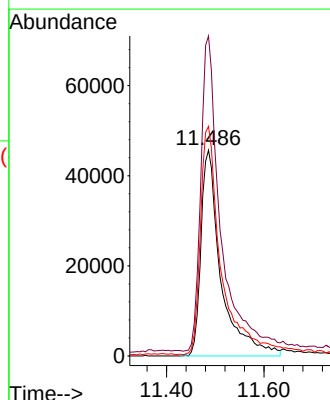
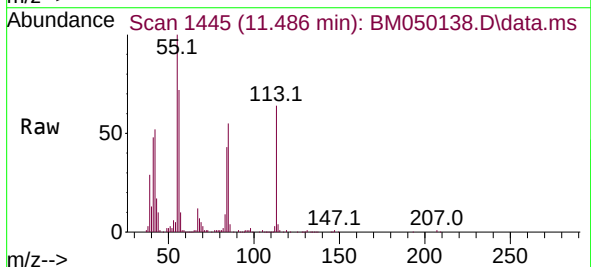
Tgt Ion: 113 Resp: 130629

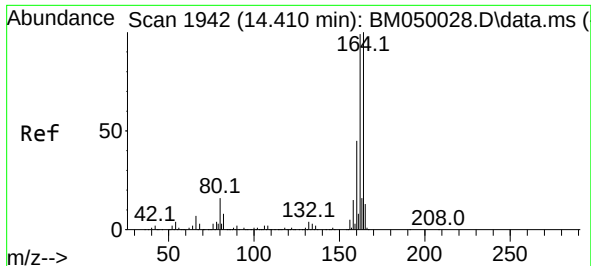
Ion Ratio Lower Upper

113 100

55 155.5 122.9 162.9

56 111.6 88.1 128.1

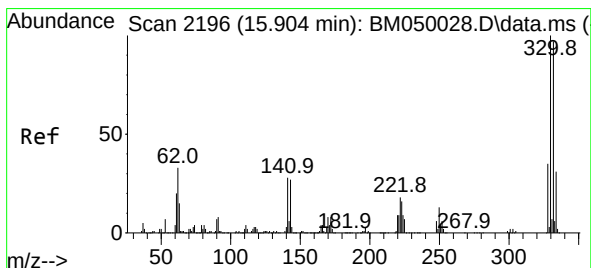
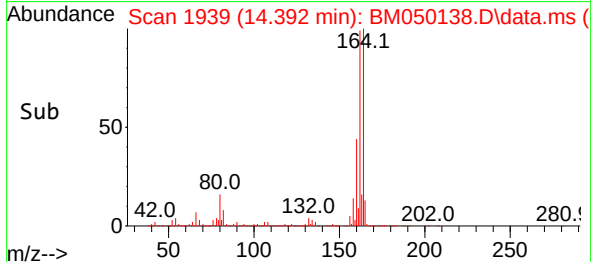
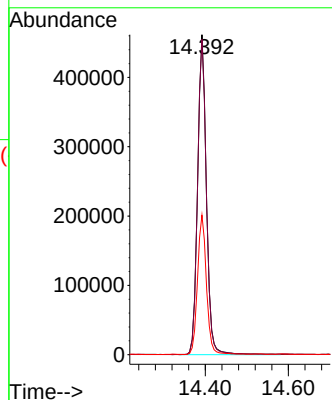
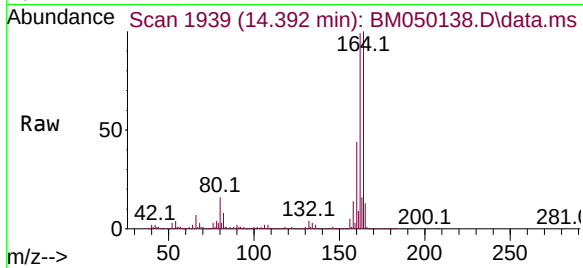




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050138.D
Acq: 07 May 2025 17:03

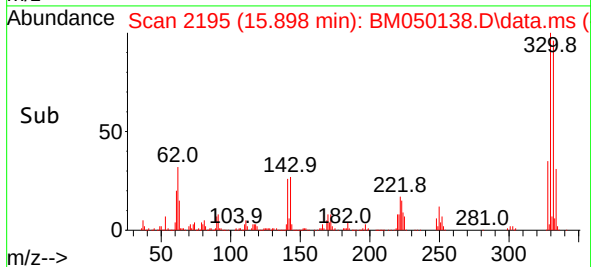
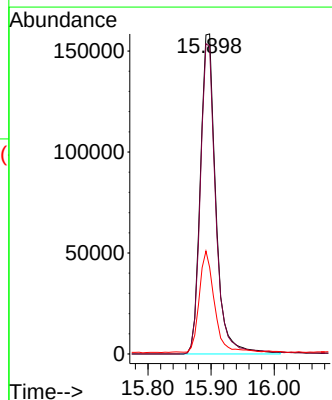
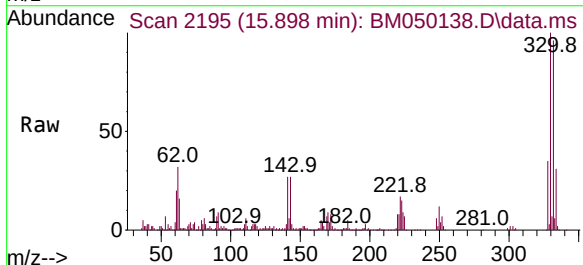
Instrument :
BNA_M
ClientSampleId :
GB3WDL

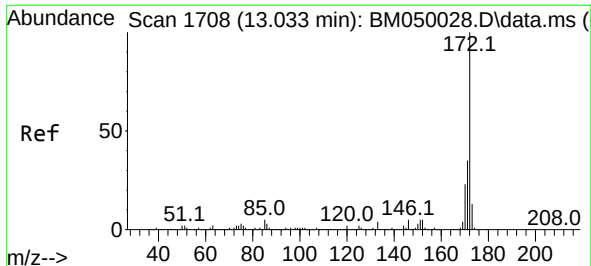
Tgt Ion:164 Resp: 680621
Ion Ratio Lower Upper
164 100
162 98.6 79.4 119.0
160 43.6 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 26.815 ng
RT: 15.898 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM050138.D
Acq: 07 May 2025 17:03

Tgt Ion:330 Resp: 269859
Ion Ratio Lower Upper
330 100
332 97.2 77.3 115.9
141 30.6 22.5 33.7

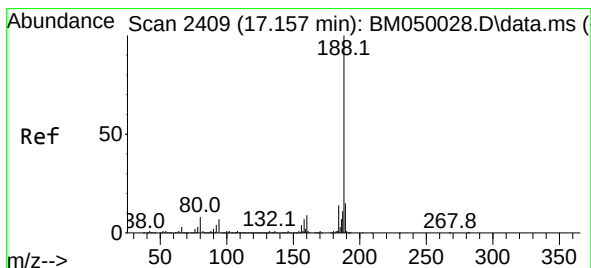
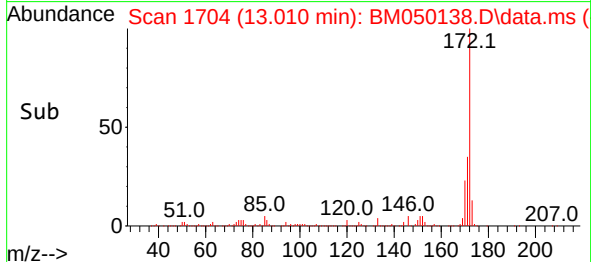
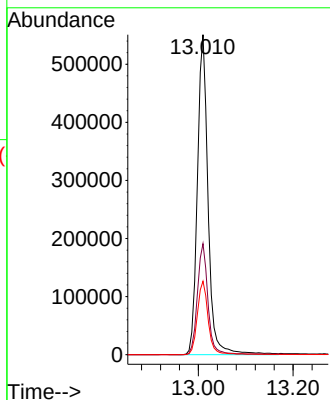
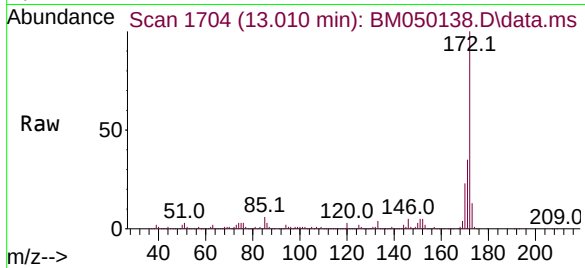




#45
2-Fluorobiphenyl
Concen: 15.072 ng
RT: 13.010 min Scan# 11
Delta R.T. -0.024 min
Lab File: BM050138.D
Acq: 07 May 2025 17:03

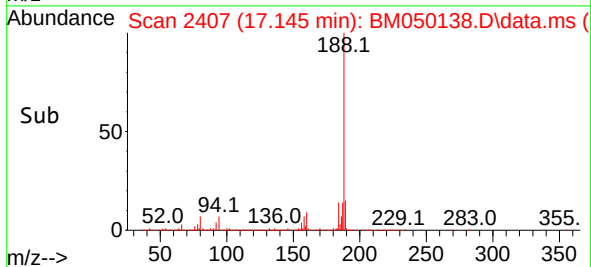
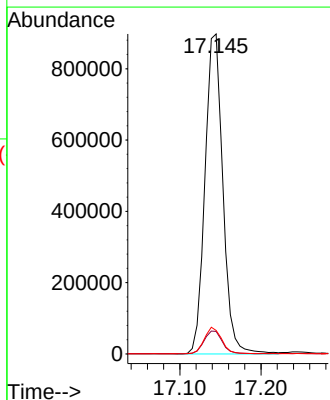
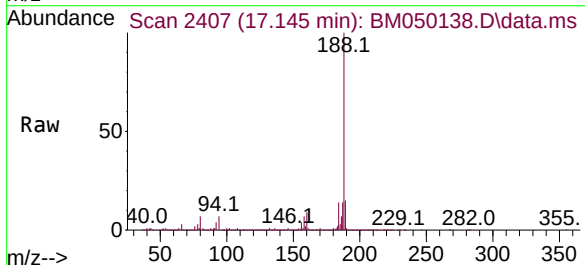
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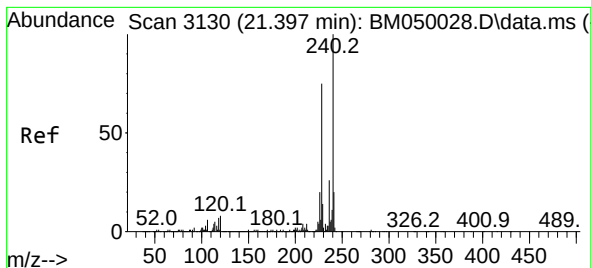
Tgt Ion:172 Resp: 867165
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 22.9 18.6 28.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM050138.D
Acq: 07 May 2025 17:03

Tgt Ion:188 Resp: 1371677
Ion Ratio Lower Upper
188 100
94 7.1 5.7 8.5
80 7.4 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: BM050138.D

Acq: 07 May 2025 17:03

Instrument :

BNA_M

ClientSampleId :

GB3WDL

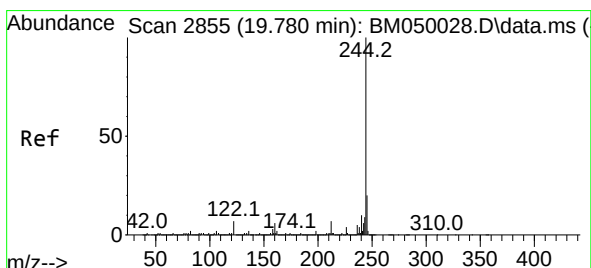
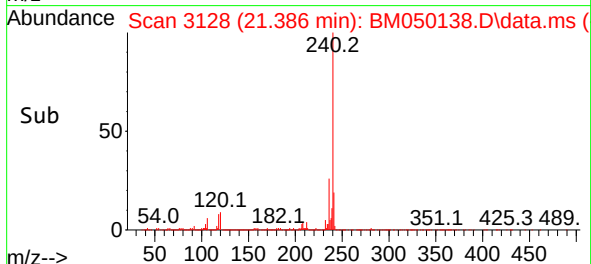
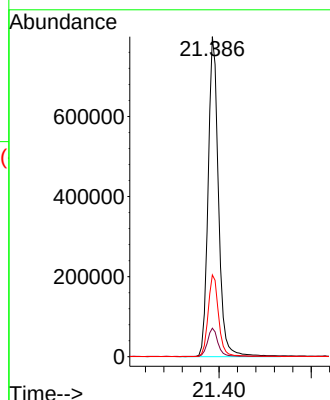
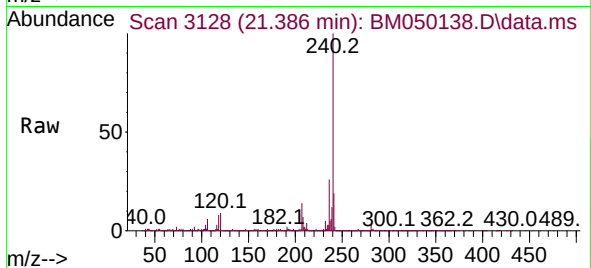
Tgt Ion:240 Resp: 1252991

Ion Ratio Lower Upper

240 100

120 8.9 6.5 9.7

236 25.5 20.9 31.3



#79

Terphenyl-d14

Concen: 15.034 ng

RT: 19.768 min Scan# 2853

Delta R.T. -0.012 min

Lab File: BM050138.D

Acq: 07 May 2025 17:03

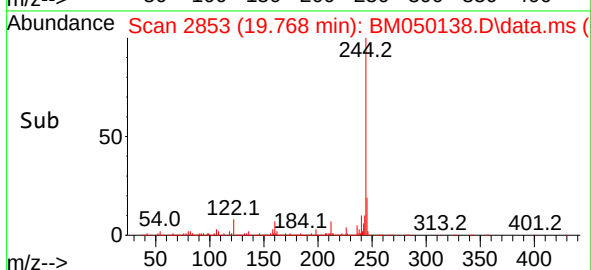
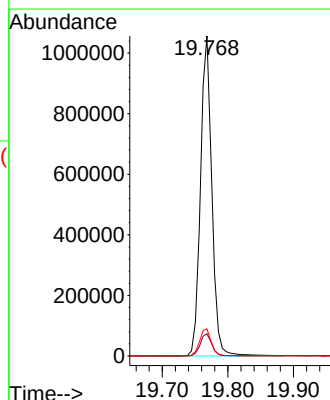
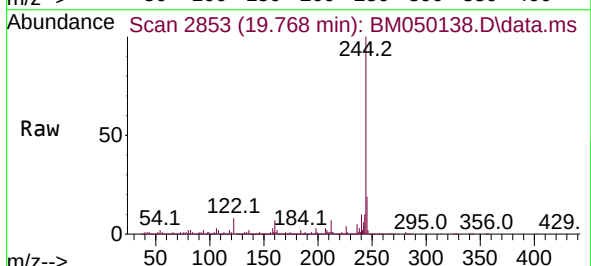
Tgt Ion:244 Resp: 1273016

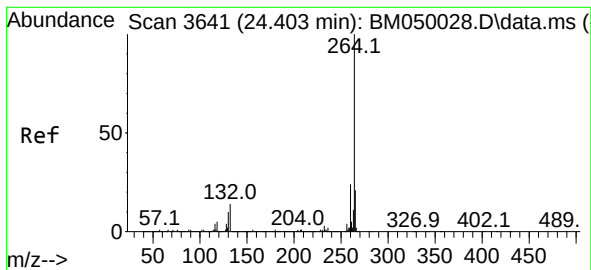
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 8.4 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: BM050138.D
 Acq: 07 May 2025 17:03

Instrument :
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Tgt Ion:264 Resp: 1255099
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.8 28.2
 265 22.1 17.0 25.4

