

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
 Data File : BM050134.D
 Acq On : 07 May 2025 14:26
 Operator : RC/JU
 Sample : Q1945-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GB1W

Quant Time: May 07 15:01:06 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)

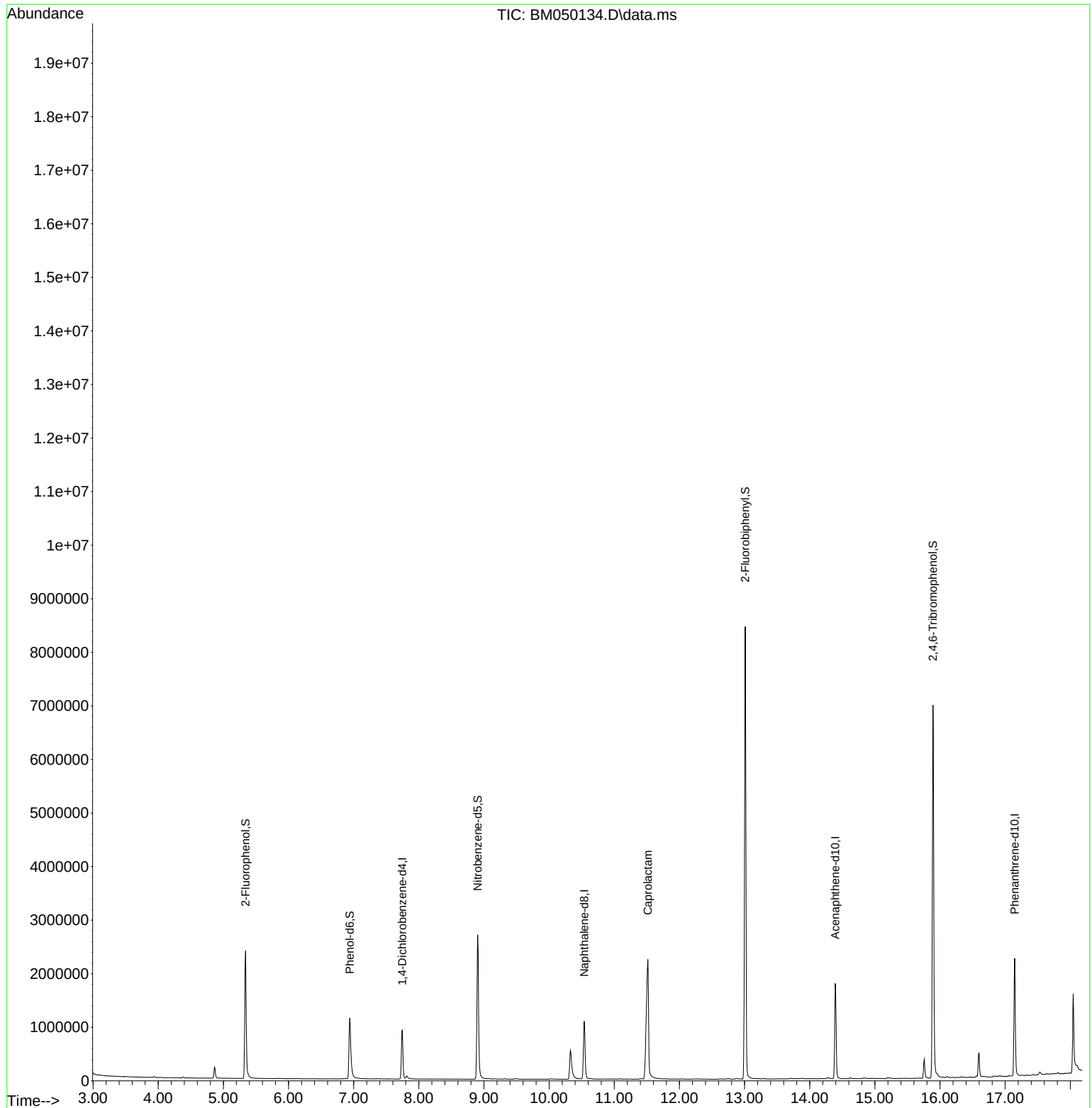
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.746	152	277291	20.000	ng	-0.02
21) Naphthalene-d8	10.540	136	994970	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	676090	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	1357979	20.000	ng	-0.01
76) Chrysene-d12	21.392	240	1252372	20.000	ng	0.00
86) Perylene-d12	24.386	264	1282159	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1154676	72.917	ng	-0.02
7) Phenol-d6	6.940	99	906174	45.529	ng	-0.01
23) Nitrobenzene-d5	8.904	82	1712536	84.814	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	1605708	160.621	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	4624825	80.923	ng	-0.02
79) Terphenyl-d14	19.774	244	7828359	92.496	ng	0.00
Target Compounds						
35) Caprolactam	11.516	113	646736	133.856	ng	Qvalue 96

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

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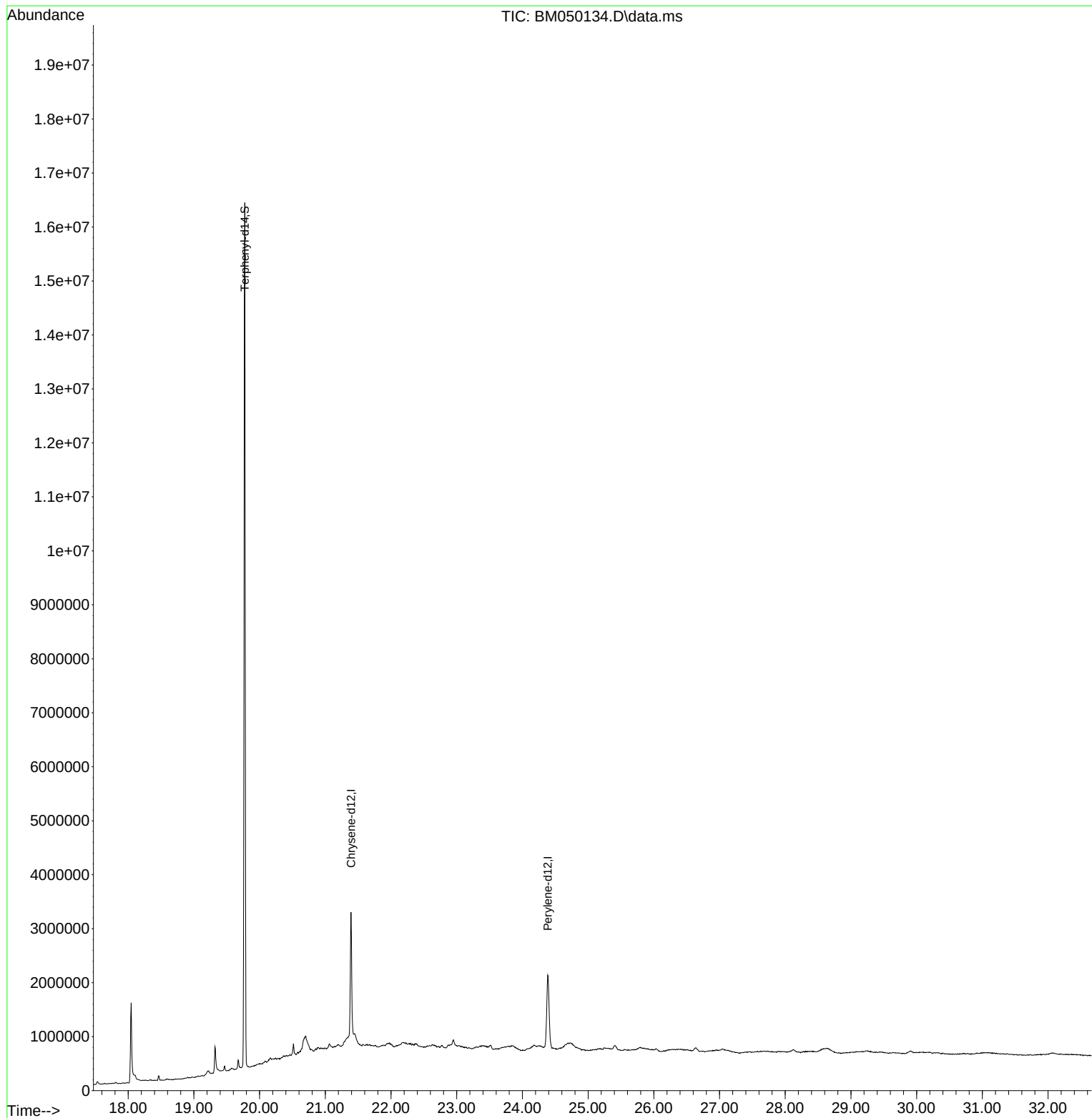
Quant Time: May 07 15:01:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
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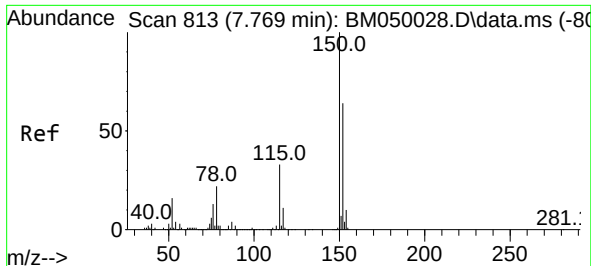


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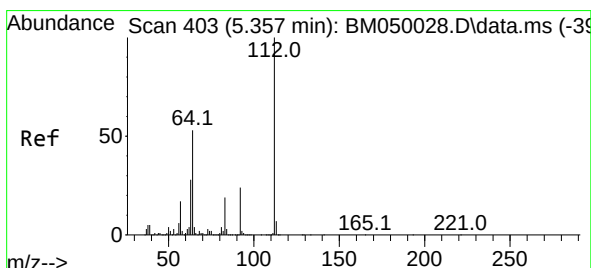
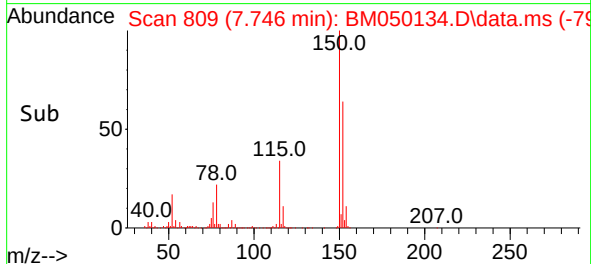
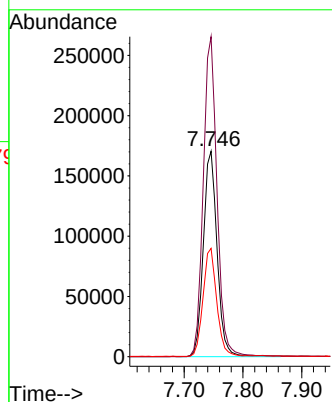
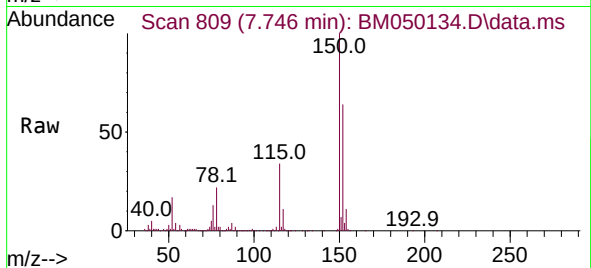




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.746 min Scan# 80
Delta R.T. -0.023 min
Lab File: BM050134.D
Acq: 07 May 2025 14:26

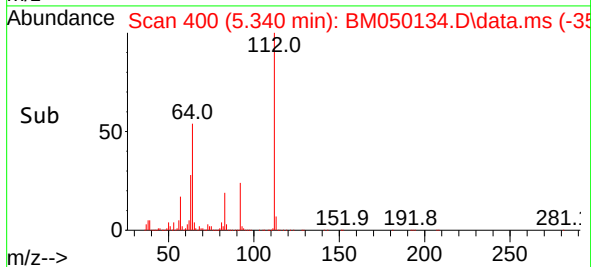
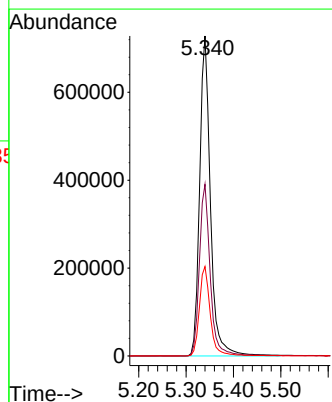
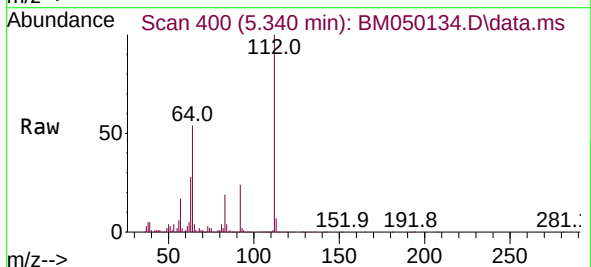
Instrument :
BNA_M
ClientSampleId :
GB1W

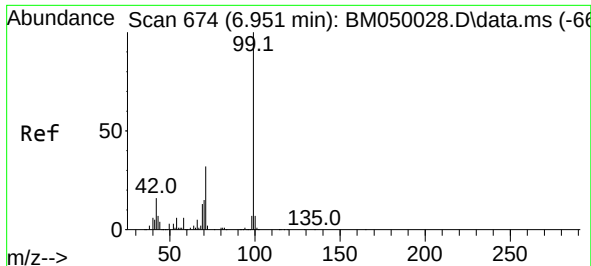
Tgt Ion:152 Resp: 277291
Ion Ratio Lower Upper
152 100
150 155.7 124.1 186.1
115 52.7 41.2 61.8



#5
2-Fluorophenol
Concen: 72.917 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.017 min
Lab File: BM050134.D
Acq: 07 May 2025 14:26

Tgt Ion:112 Resp: 1154676
Ion Ratio Lower Upper
112 100
64 53.7 42.6 64.0
63 28.0 22.2 33.4

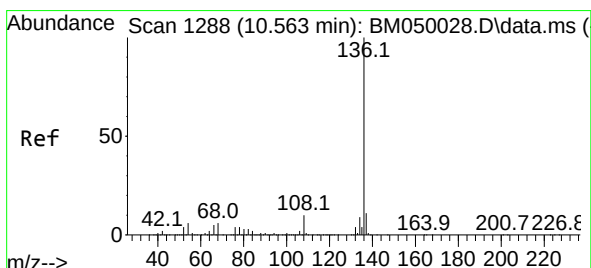
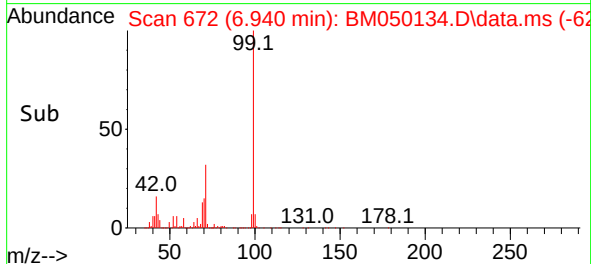
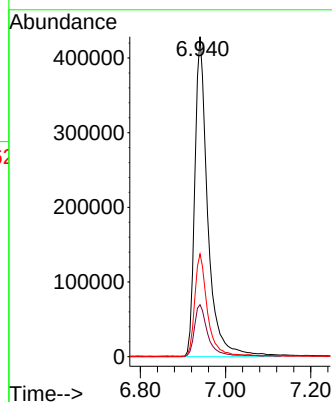
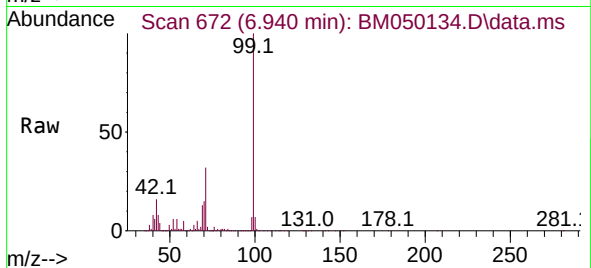




#7
Phenol-d6
Concen: 45.529 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM050134.D
Acq: 07 May 2025 14:26

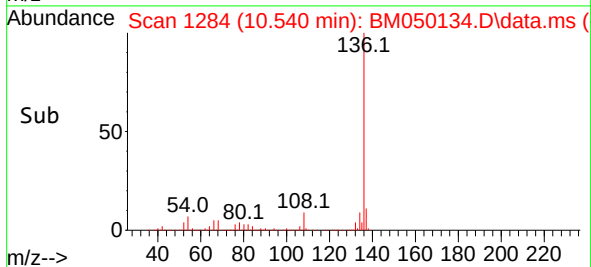
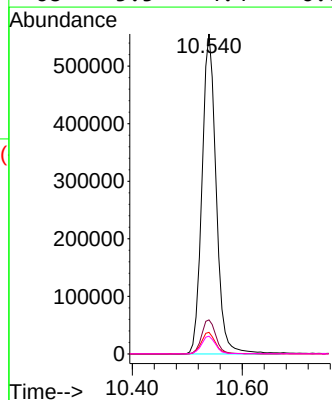
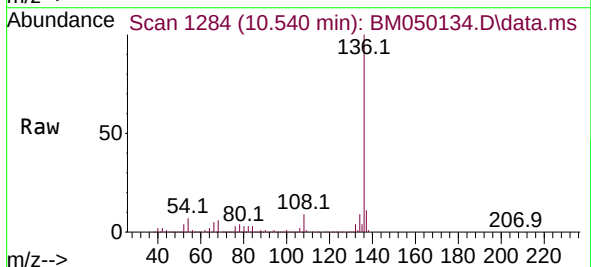
Instrument :
BNA_M
ClientSampleId :
GB1W

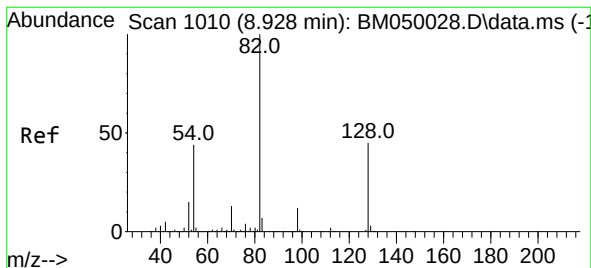
Tgt Ion: 99 Resp: 906174
Ion Ratio Lower Upper
99 100
42 16.3 13.0 19.4
71 32.1 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BM050134.D
Acq: 07 May 2025 14:26

Tgt Ion: 136 Resp: 994970
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 6.8 5.1 7.7
68 5.5 4.4 6.6





#23

Nitrobenzene-d5

Concen: 84.814 ng

RT: 8.904 min Scan# 1006

Delta R.T. -0.023 min

Lab File: BM050134.D

Acq: 07 May 2025 14:26

Instrument :

BNA_M

ClientSampleId :

GB1W

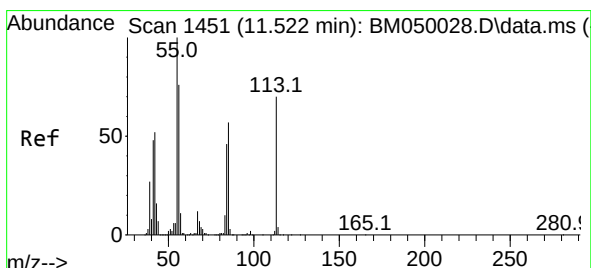
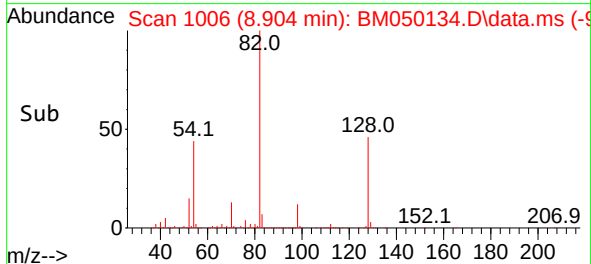
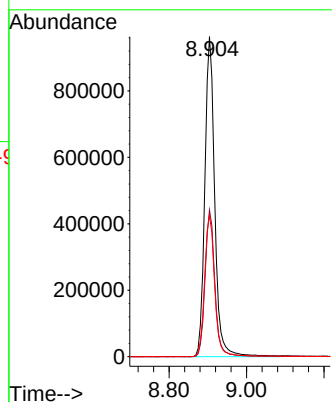
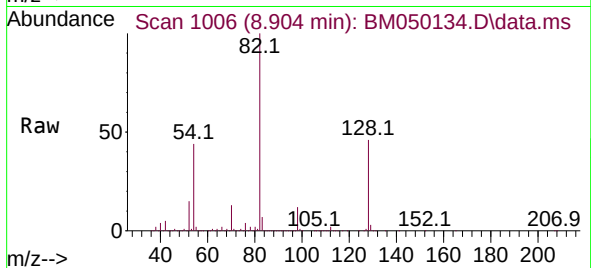
Tgt Ion: 82 Resp: 1712536

Ion Ratio Lower Upper

82 100

128 45.9 35.7 53.5

54 44.1 35.4 53.2



#35

Caprolactam

Concen: 133.856 ng

RT: 11.516 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BM050134.D

Acq: 07 May 2025 14:26

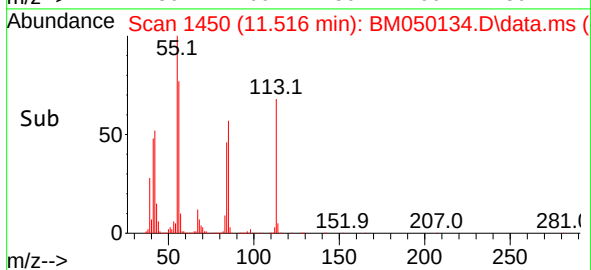
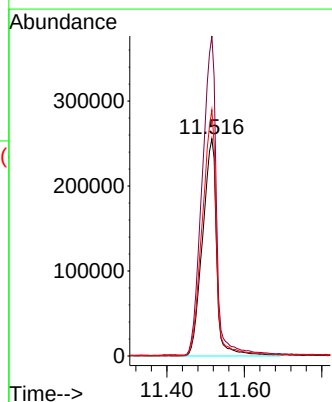
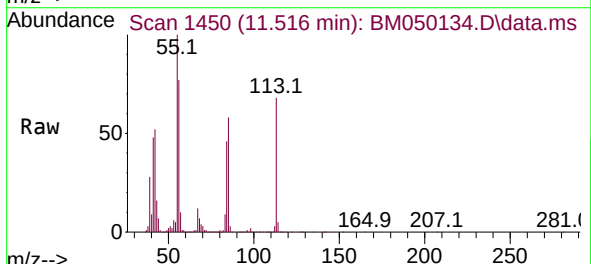
Tgt Ion: 113 Resp: 646736

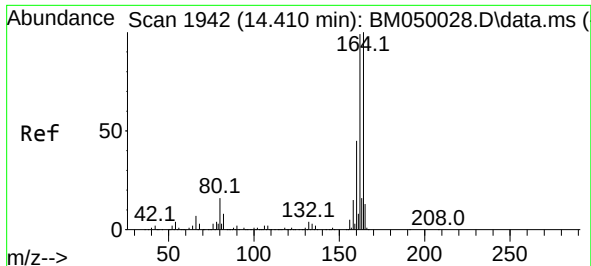
Ion Ratio Lower Upper

113 100

55 147.2 122.9 162.9

56 113.3 88.1 128.1

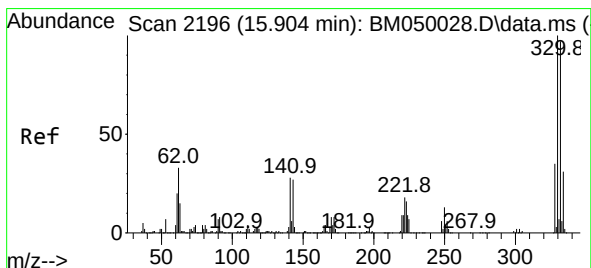
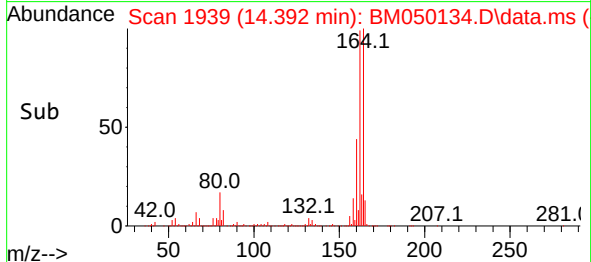
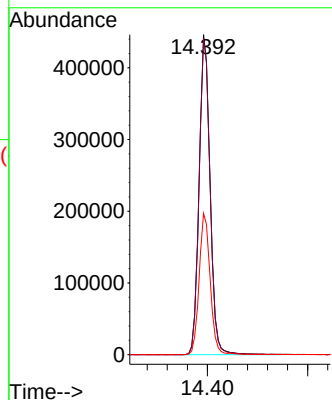
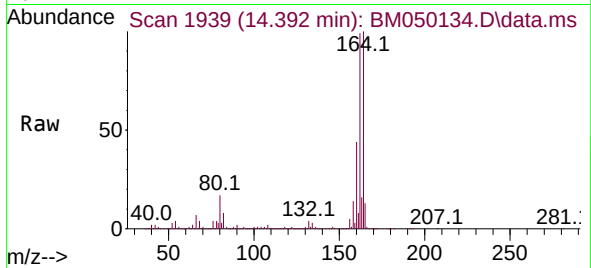




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050134.D
Acq: 07 May 2025 14:26

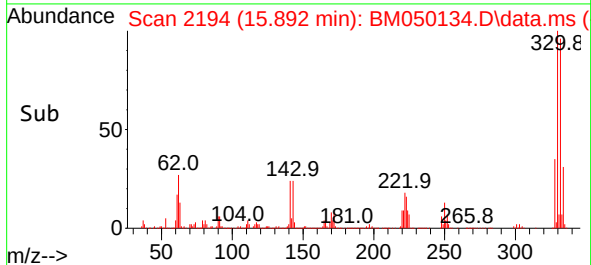
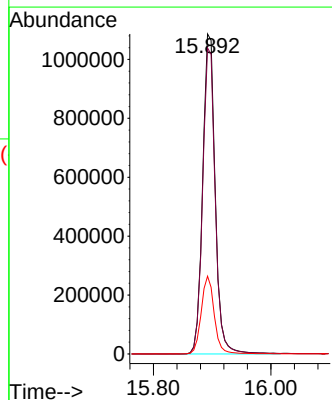
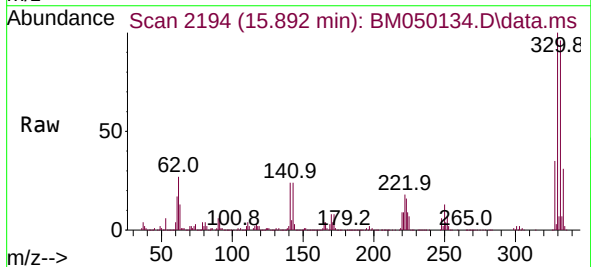
Instrument :
BNA_M
ClientSampleId :
GB1W

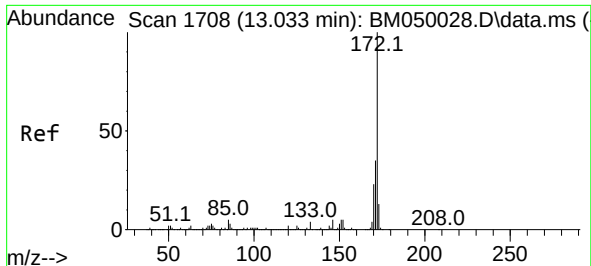
Tgt Ion:164 Resp: 676090
Ion Ratio Lower Upper
164 100
162 99.0 79.4 119.0
160 44.1 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 160.621 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050134.D
Acq: 07 May 2025 14:26

Tgt Ion:330 Resp: 1605708
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 25.2 22.5 33.7

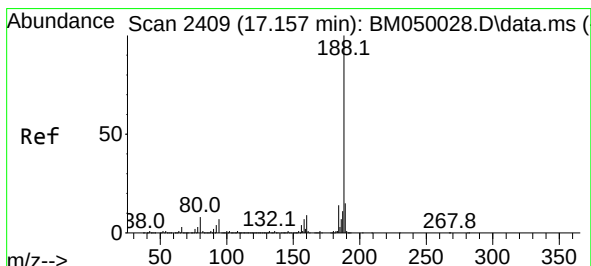
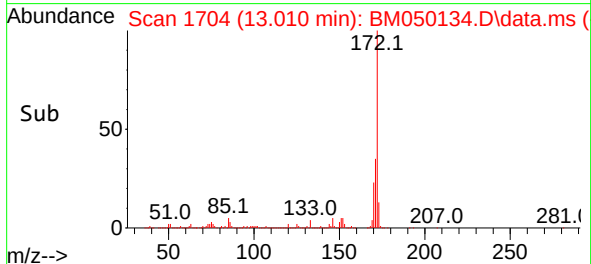
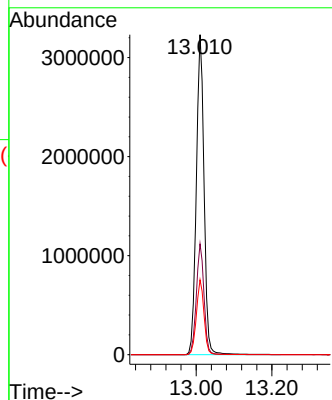
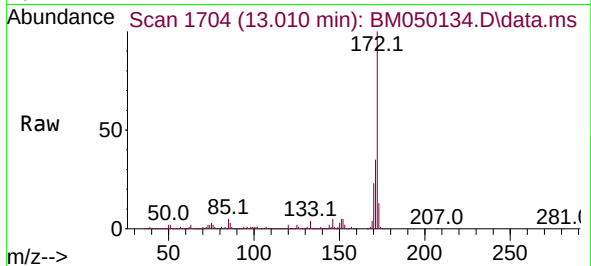




#45
2-Fluorobiphenyl
Concen: 80.923 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM050134.D
Acq: 07 May 2025 14:26

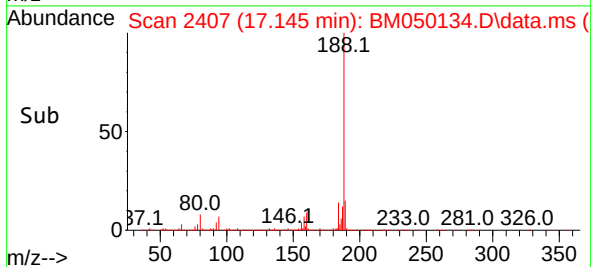
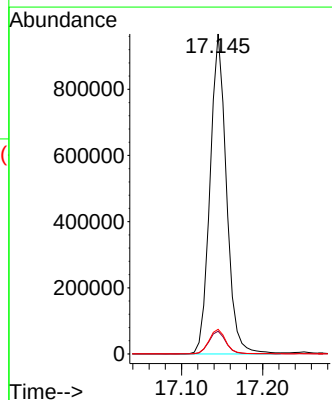
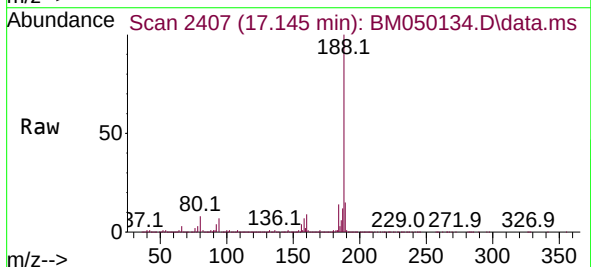
Instrument :
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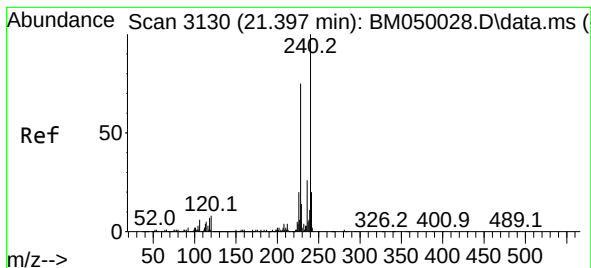
Tgt Ion:172 Resp: 4624825
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 23.4 18.6 28.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM050134.D
Acq: 07 May 2025 14:26

Tgt Ion:188 Resp: 1357979
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: 21.392 min Scan# 31

Delta R.T. -0.005 min

Lab File: BM050134.D

Acq: 07 May 2025 14:26

Instrument :

BNA_M

ClientSampleId :

GB1W

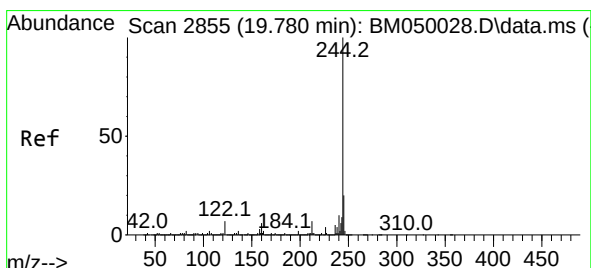
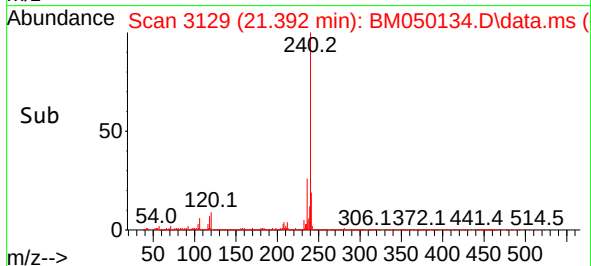
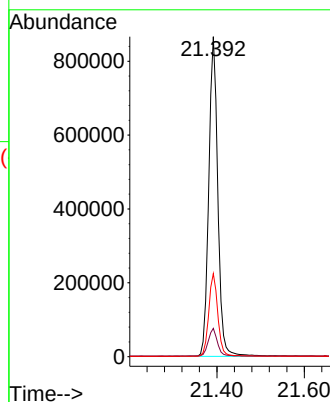
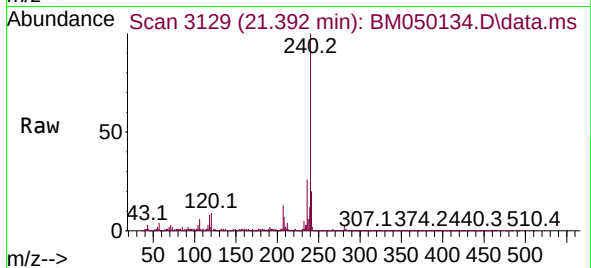
Tgt Ion:240 Resp: 1252372

Ion Ratio Lower Upper

240 100

120 8.9 6.5 9.7

236 25.9 20.9 31.3



#79

Terphenyl-d14

Concen: 92.496 ng

RT: 19.774 min Scan# 2854

Delta R.T. -0.006 min

Lab File: BM050134.D

Acq: 07 May 2025 14:26

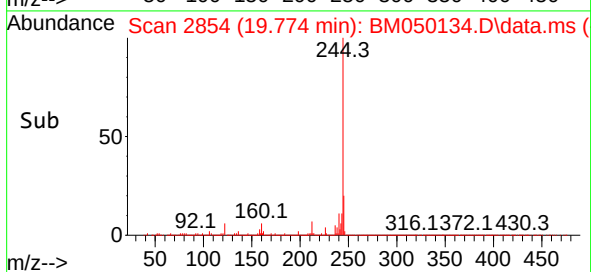
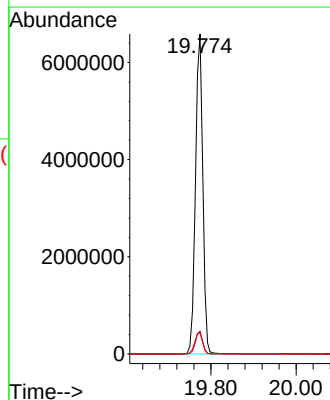
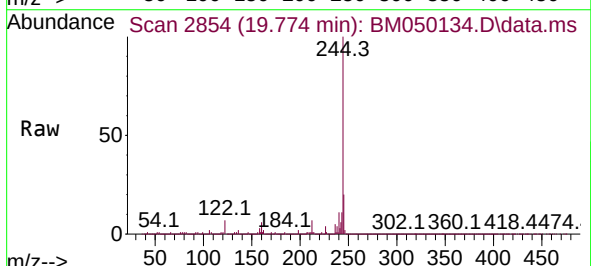
Tgt Ion:244 Resp: 7828359

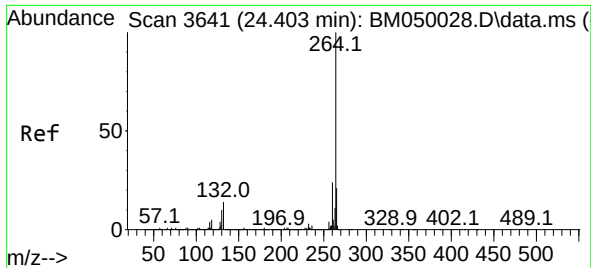
Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 6.5 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.386 min Scan# 30
 Delta R.T. -0.017 min
 Lab File: BM050134.D
 Acq: 07 May 2025 14:26

Instrument :
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Tgt Ion:264 Resp: 1282159
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.8 28.2
 265 22.2 17.0 25.4

