

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050109.D
 Acq On : 05 May 2025 21:34
 Operator : RC/JU
 Sample : Q1935-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MH-MM

Quant Time: May 06 05:20:51 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)

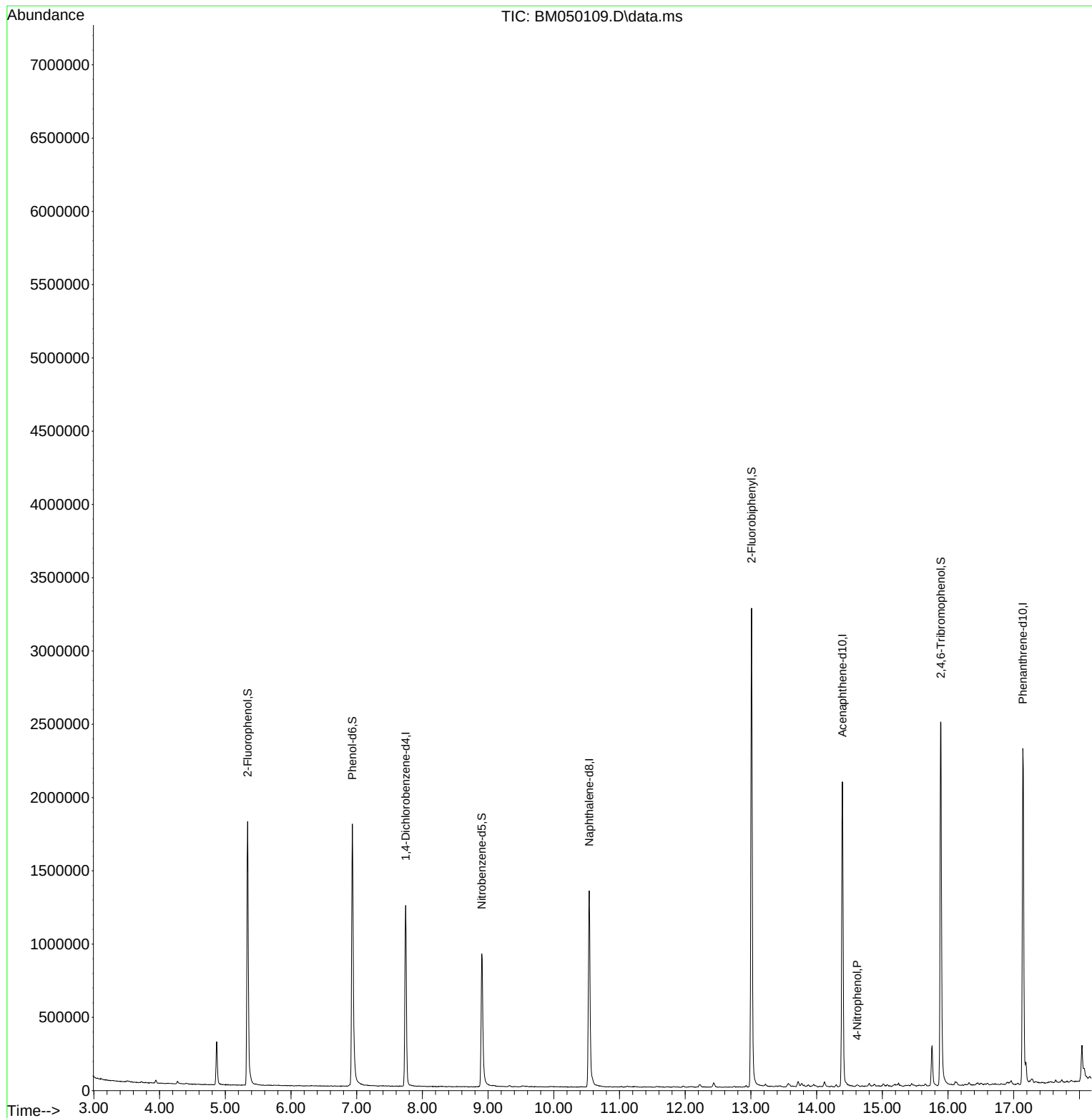
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	378280	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1280235	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	806293	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1528800	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1422678	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1472558	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	886550	41.039	ng	-0.02
7) Phenol-d6	6.934	99	1265671	46.615	ng	-0.02
23) Nitrobenzene-d5	8.904	82	653039	25.136	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	586327	49.180	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	1895510	27.811	ng	-0.02
79) Terphenyl-d14	19.768	244	2852590	29.670	ng	-0.01
Target Compounds						
56) 4-Nitrophenol	14.616	139	441	4.578	ng	Qvalue # 75

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

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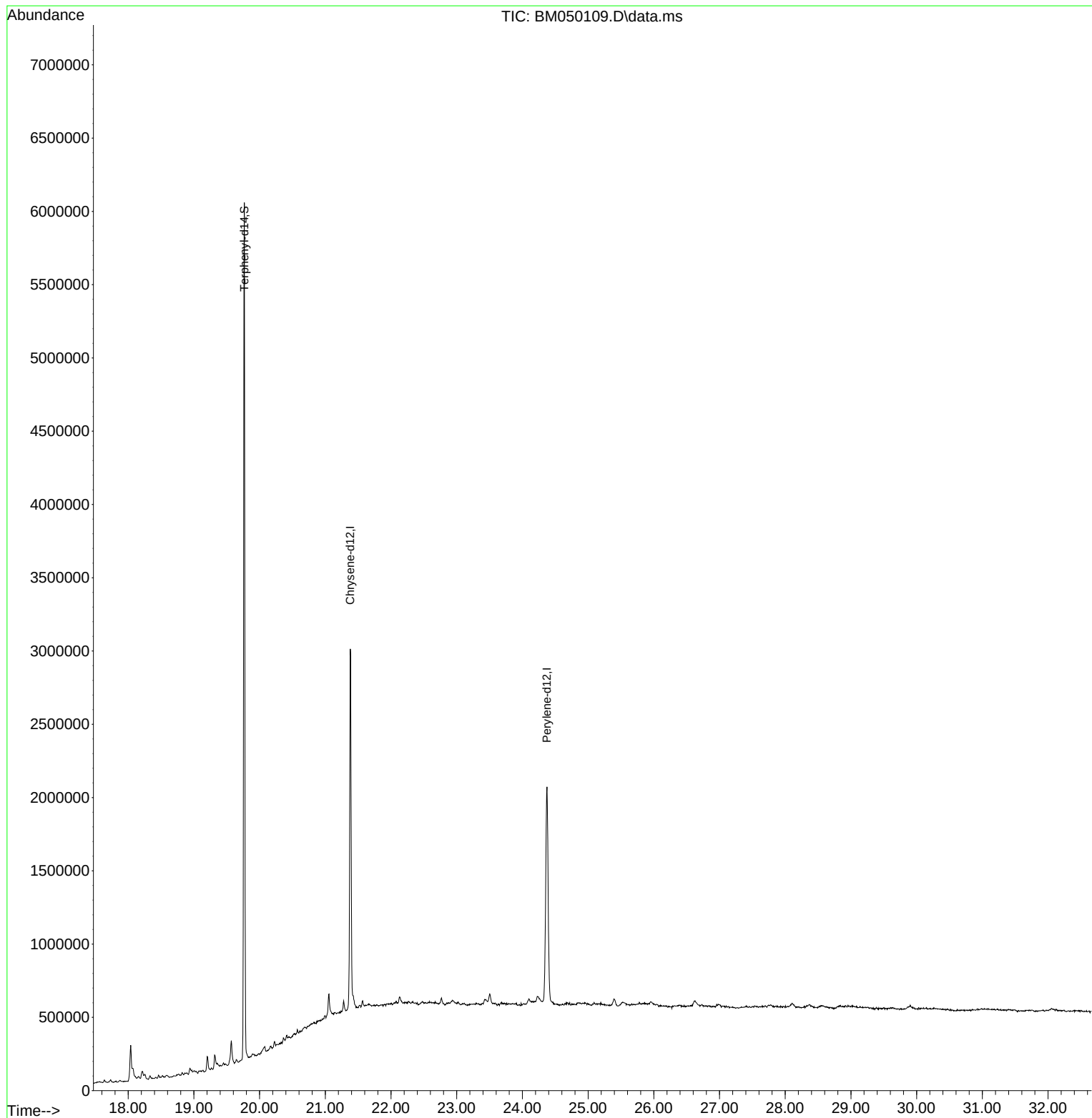
Quant Time: May 06 05:20:51 2025
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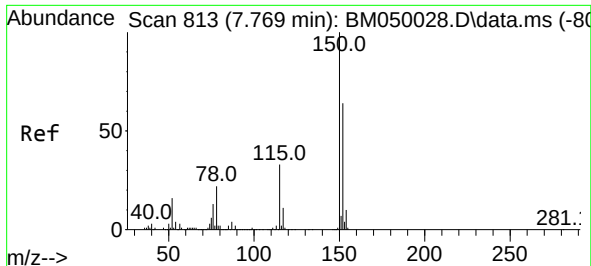


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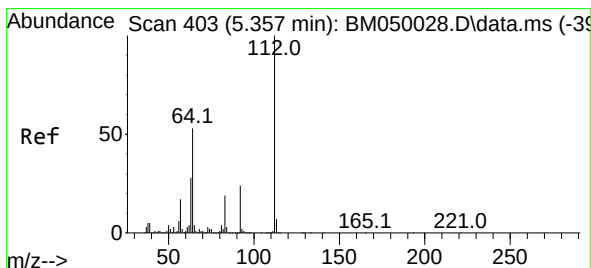
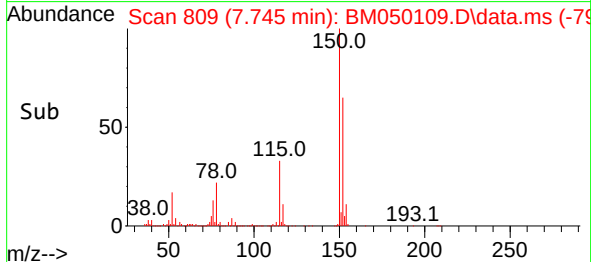
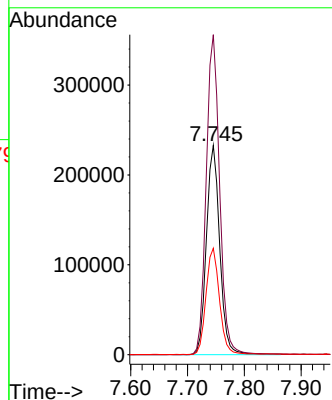
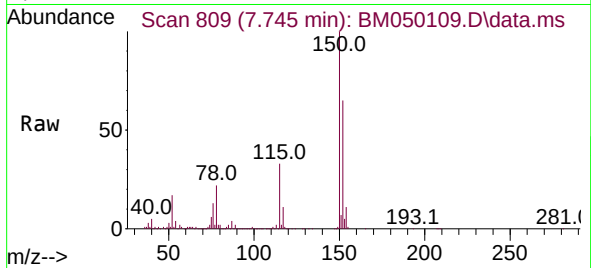




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050109.D
Acq: 05 May 2025 21:34

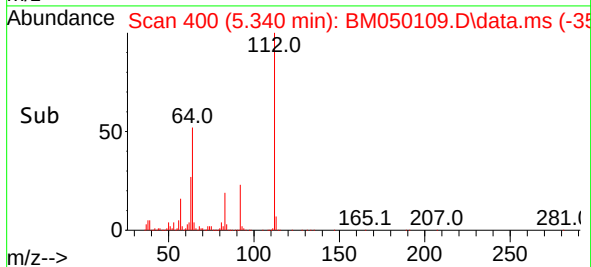
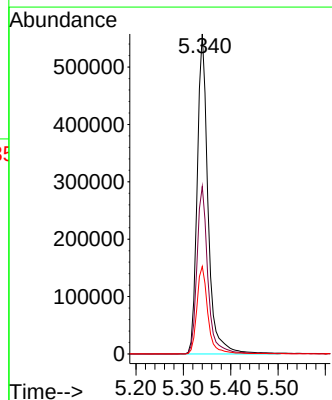
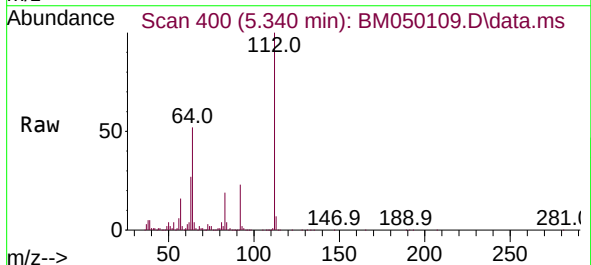
Instrument :
BNA_M
ClientSampleId :
MH-MM

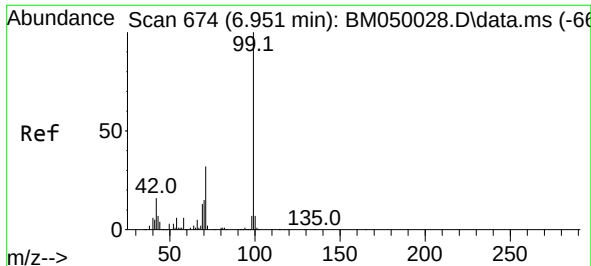
Tgt Ion:152 Resp: 378280
Ion Ratio Lower Upper
152 100
150 153.0 124.1 186.1
115 50.8 41.2 61.8



#5
2-Fluorophenol
Concen: 41.039 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050109.D
Acq: 05 May 2025 21:34

Tgt Ion:112 Resp: 886550
Ion Ratio Lower Upper
112 100
64 52.3 42.6 64.0
63 27.4 22.2 33.4

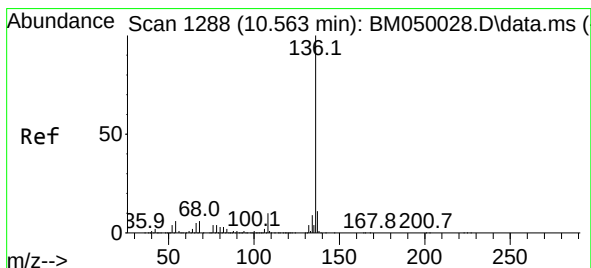
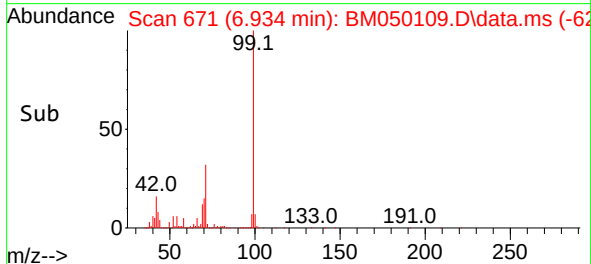
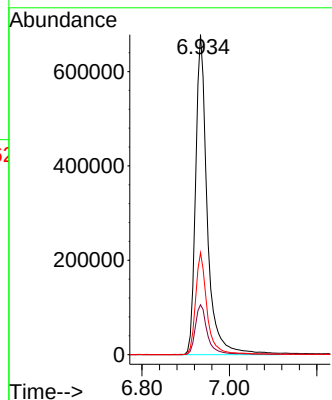
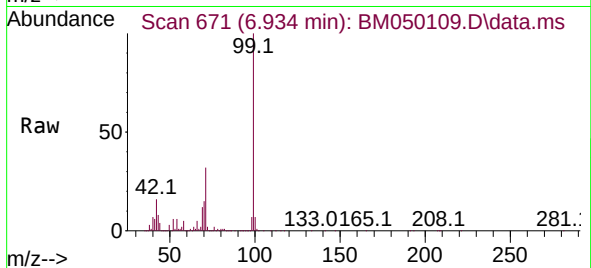




#7
Phenol-d6
Concen: 46.615 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050109.D
Acq: 05 May 2025 21:34

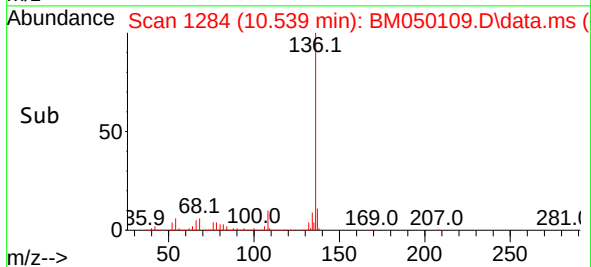
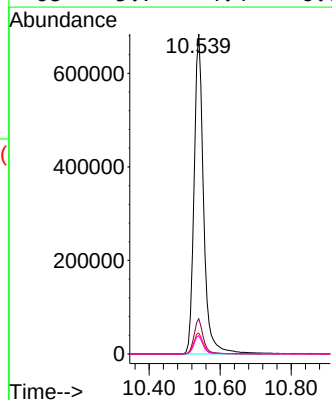
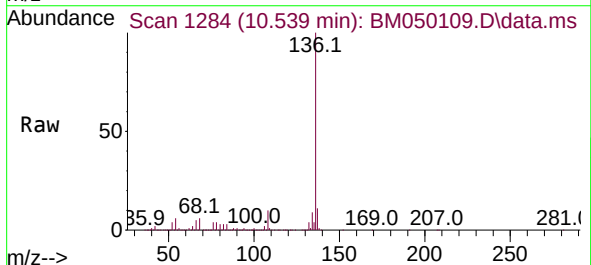
Instrument :
BNA_M
ClientSampleId :
MH-MM

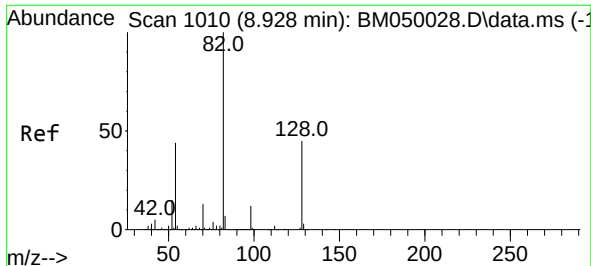
Tgt Ion: 99 Resp: 1265671
Ion Ratio Lower Upper
99 100
42 15.6 13.0 19.4
71 31.8 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BM050109.D
Acq: 05 May 2025 21:34

Tgt Ion: 136 Resp: 1280235
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.5 5.1 7.7
68 5.7 4.4 6.6





#23

Nitrobenzene-d5

Concen: 25.136 ng

RT: 8.904 min Scan# 1006

Delta R.T. -0.023 min

Lab File: BM050109.D

Acq: 05 May 2025 21:34

Instrument :

BNA_M

ClientSampleId :

MH-MM

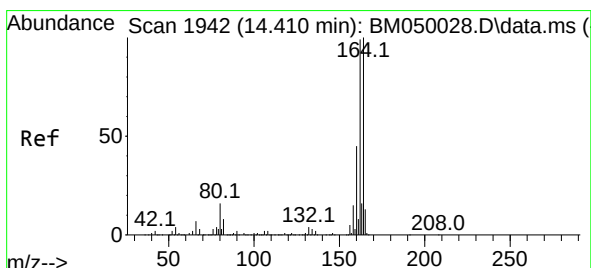
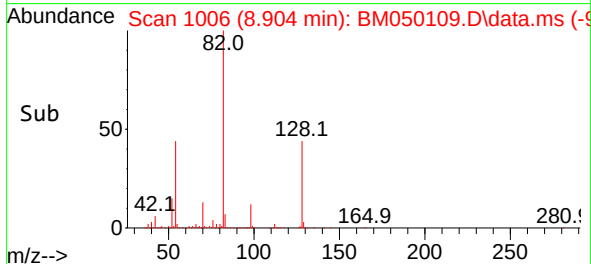
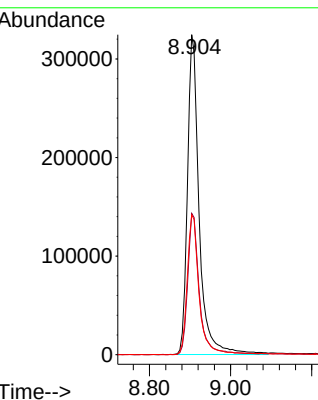
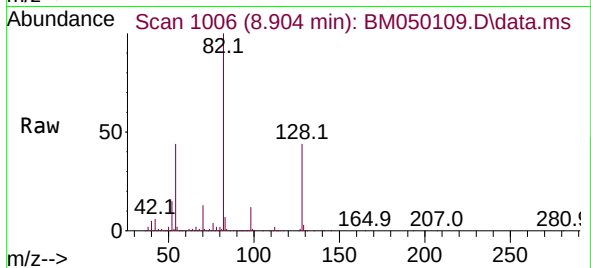
Tgt Ion: 82 Resp: 653039

Ion Ratio Lower Upper

82 100

128 44.2 35.7 53.5

54 43.7 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: BM050109.D

Acq: 05 May 2025 21:34

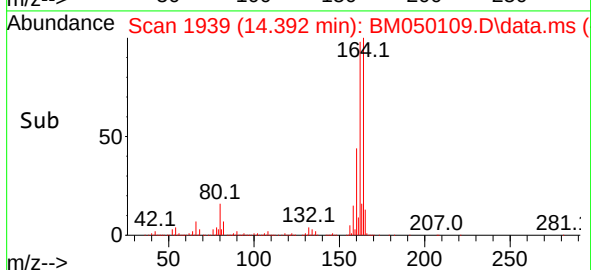
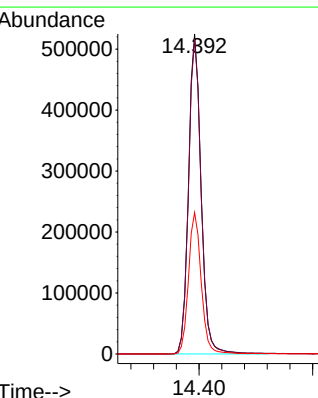
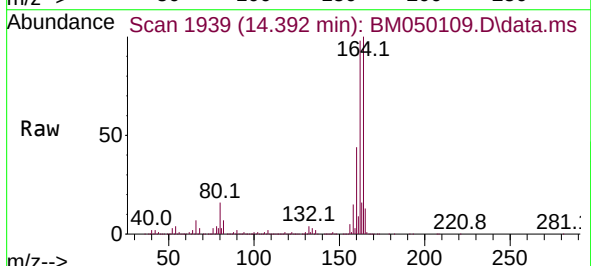
Tgt Ion:164 Resp: 806293

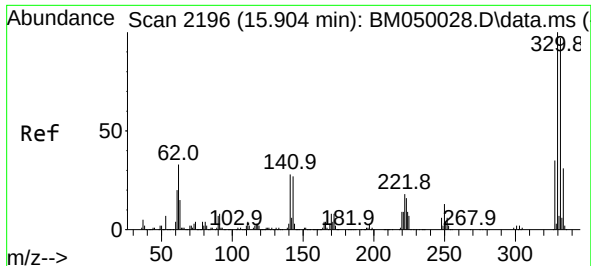
Ion Ratio Lower Upper

164 100

162 98.3 79.4 119.0

160 44.2 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 49.180 ng

RT: 15.892 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050109.D

Acq: 05 May 2025 21:34

Instrument :

BNA_M

ClientSampleId :

MH-MM

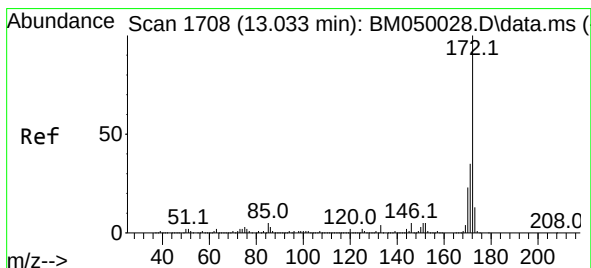
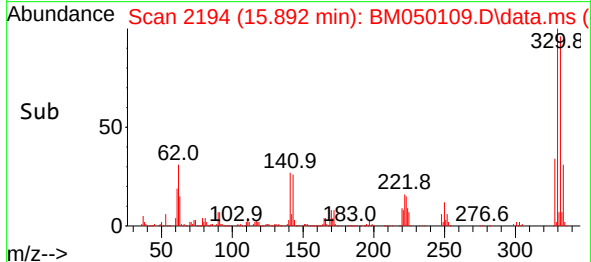
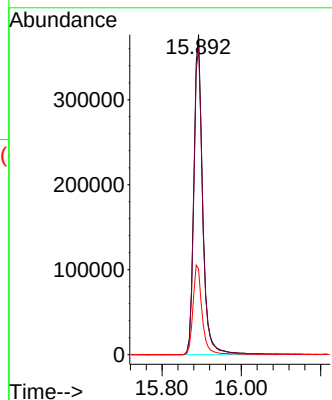
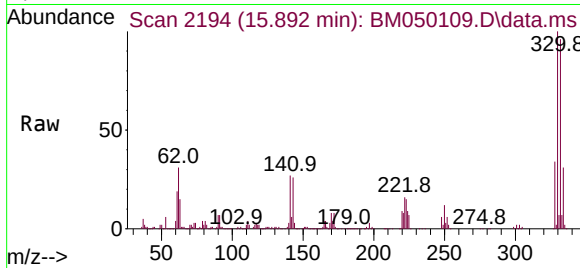
Tgt Ion:330 Resp: 586327

Ion Ratio Lower Upper

330 100

332 96.4 77.3 115.9

141 28.7 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 27.811 ng

RT: 13.010 min Scan# 1704

Delta R.T. -0.023 min

Lab File: BM050109.D

Acq: 05 May 2025 21:34

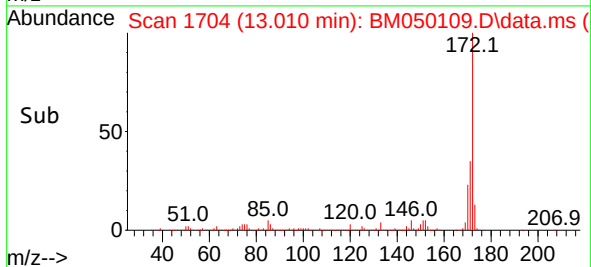
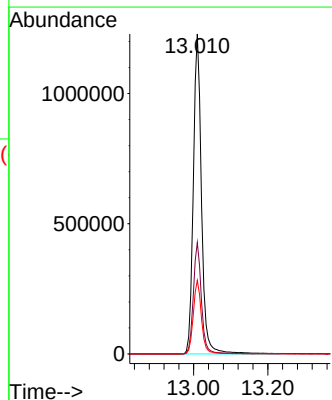
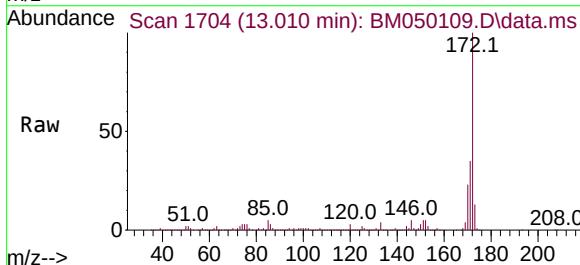
Tgt Ion:172 Resp: 1895510

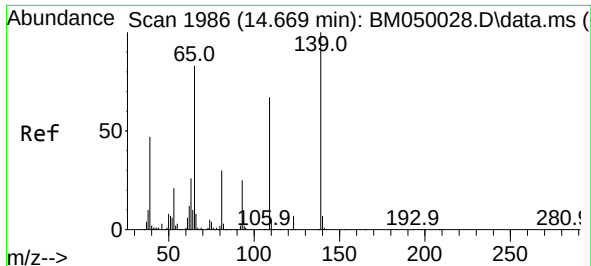
Ion Ratio Lower Upper

172 100

171 34.9 27.8 41.6

170 23.0 18.6 28.0

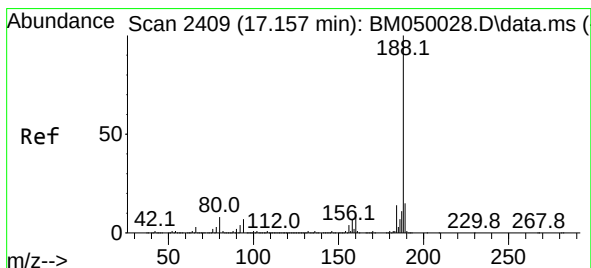
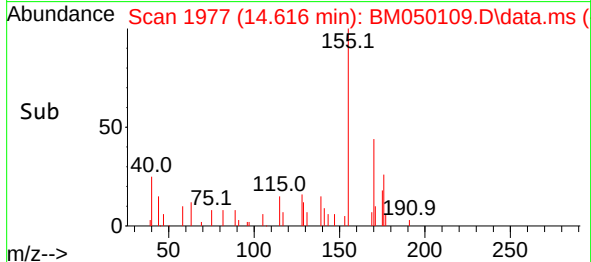
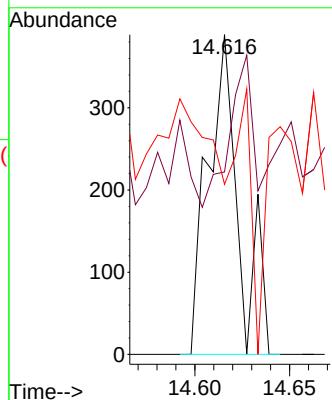
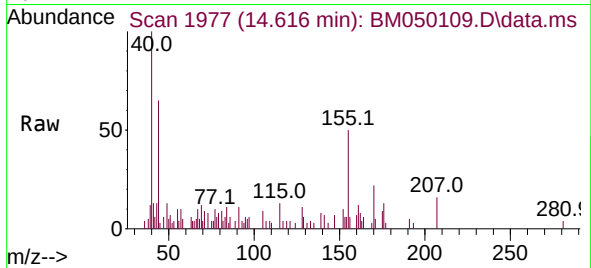




#56
4-Nitrophenol
Concen: 4.578 ng
RT: 14.616 min Scan# 1986
Delta R.T. -0.053 min
Lab File: BM050109.D
Acq: 05 May 2025 21:34

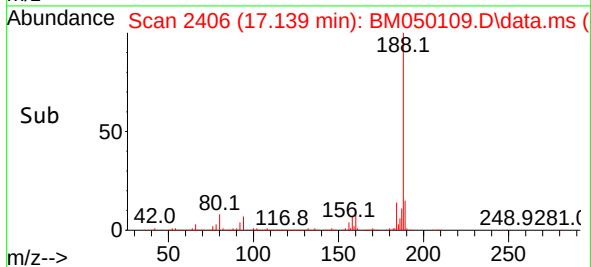
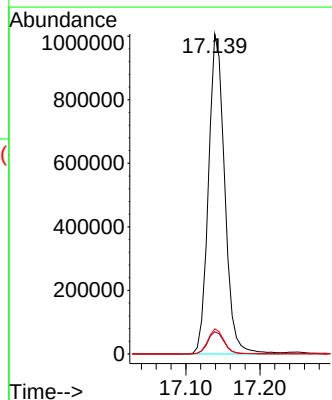
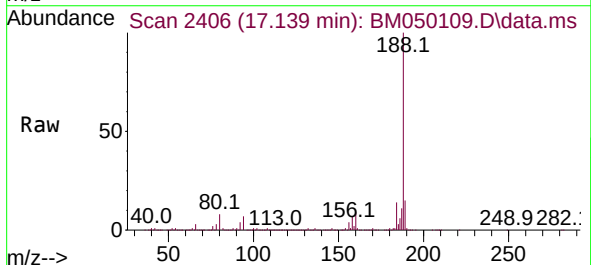
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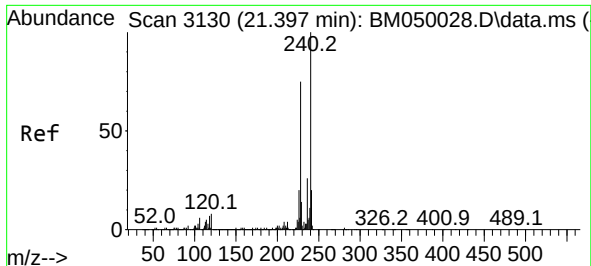
Tgt Ion:139 Resp: 441
Ion Ratio Lower Upper
139 100
109 57.1 47.0 87.0
65 53.2 64.3 104.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050109.D
Acq: 05 May 2025 21:34

Tgt Ion:188 Resp: 1528800
Ion Ratio Lower Upper
188 100
94 6.9 5.7 8.5
80 7.9 6.2 9.4

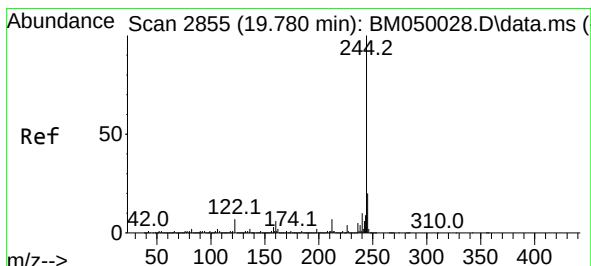
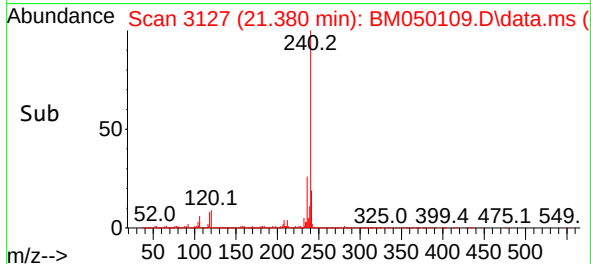
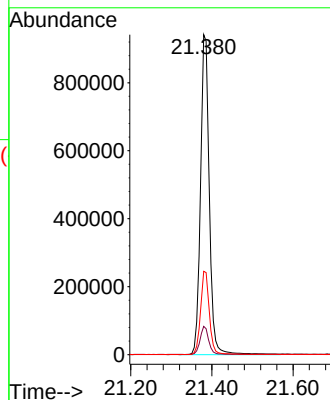
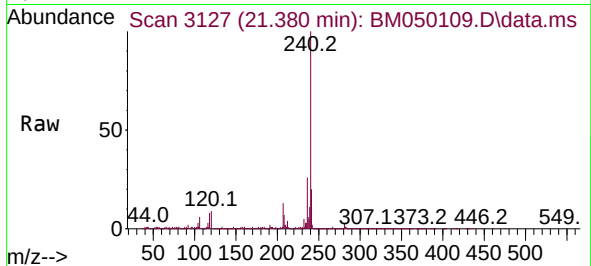




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 31
Delta R.T. -0.017 min
Lab File: BM050109.D
Acq: 05 May 2025 21:34

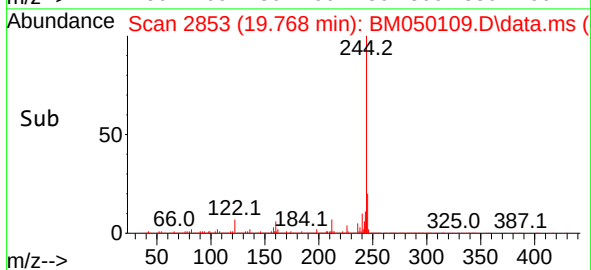
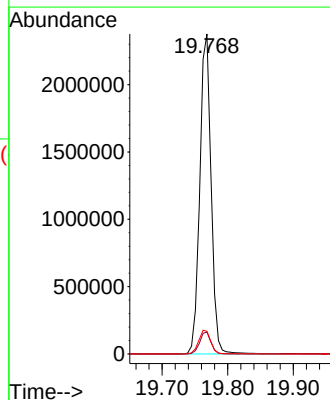
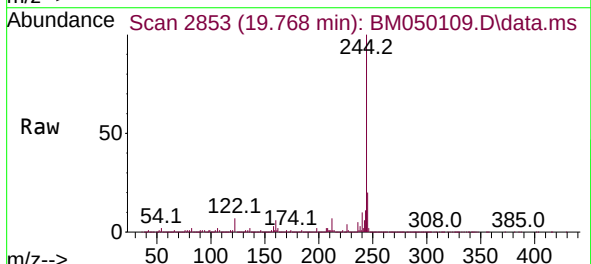
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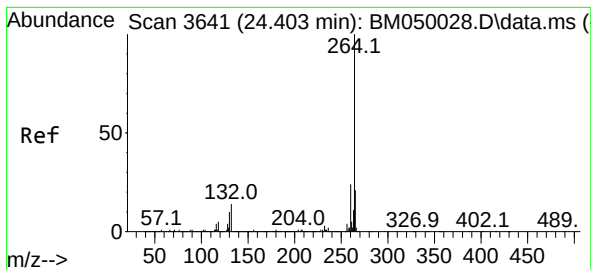
Tgt Ion:240 Resp: 1422678
Ion Ratio Lower Upper
240 100
120 8.9 6.5 9.7
236 26.0 20.9 31.3



#79
Terphenyl-d14
Concen: 29.670 ng
RT: 19.768 min Scan# 2853
Delta R.T. -0.012 min
Lab File: BM050109.D
Acq: 05 May 2025 21:34

Tgt Ion:244 Resp: 2852590
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 7.1 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.374 min Scan# 30
 Delta R.T. -0.029 min
 Lab File: BM050109.D
 Acq: 05 May 2025 21:34

Instrument :
 BNA_M
 ClientSampleId :
 MH-MM

Tgt Ion:264 Resp: 1472558
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.8 28.2
 265 21.4 17.0 25.4

