

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050108.D
 Acq On : 05 May 2025 20:55
 Operator : RC/JU
 Sample : Q1922-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MH-R

Quant Time: May 06 05:20:27 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)

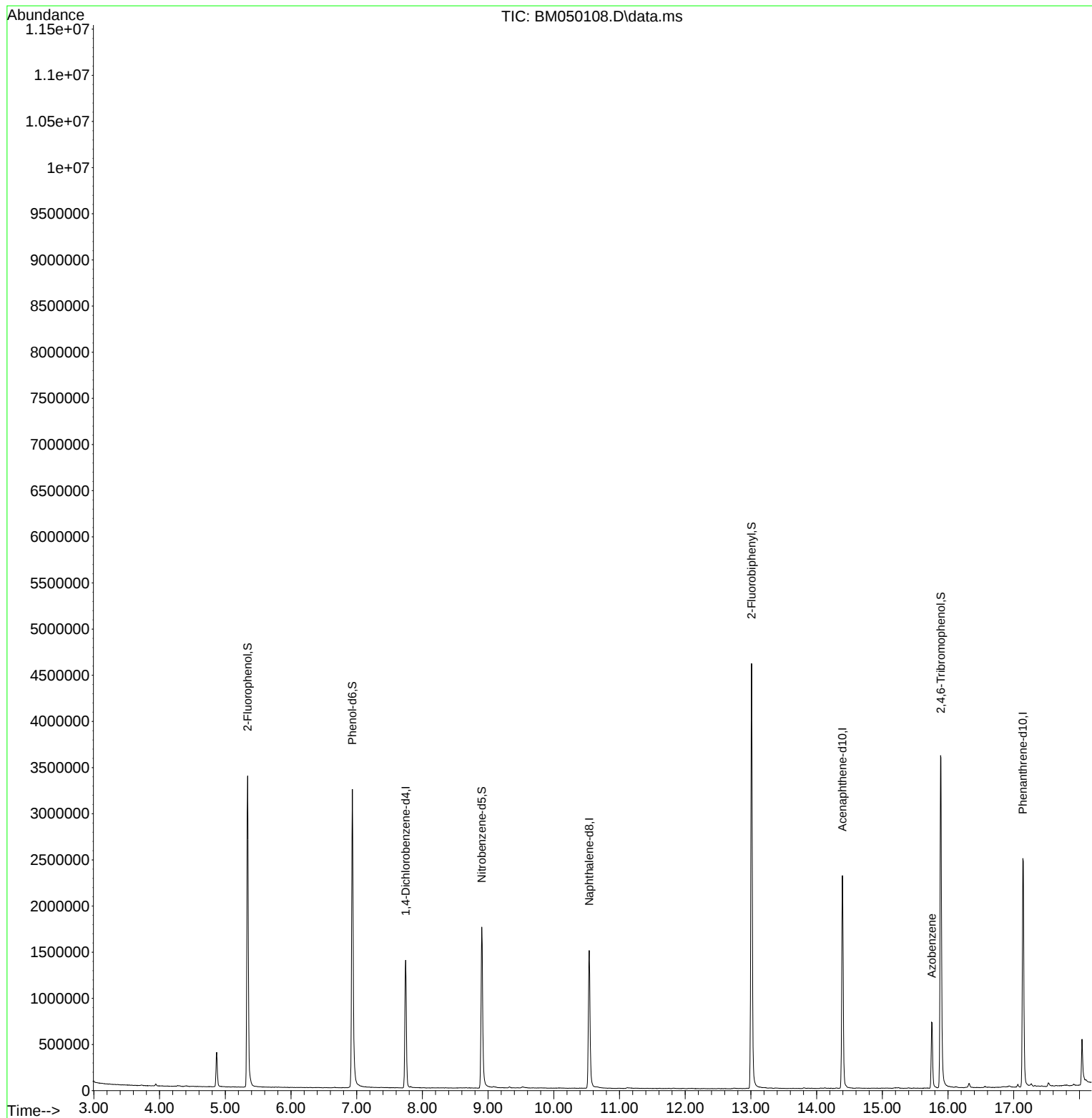
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	415751	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1427299	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	905134	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1708333	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1558229	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1604513	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1623497	68.379	ng	-0.02
7) Phenol-d6	6.934	99	2131315	71.421	ng	-0.02
23) Nitrobenzene-d5	8.904	82	1141357	39.404	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	865810	64.692	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2712924	35.457	ng	-0.02
79) Terphenyl-d14	19.768	244	4655192	44.207	ng	-0.01
Target Compounds						
63) Azobenzene	15.751	77	221211	4.235	ng	Qvalue # 1

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

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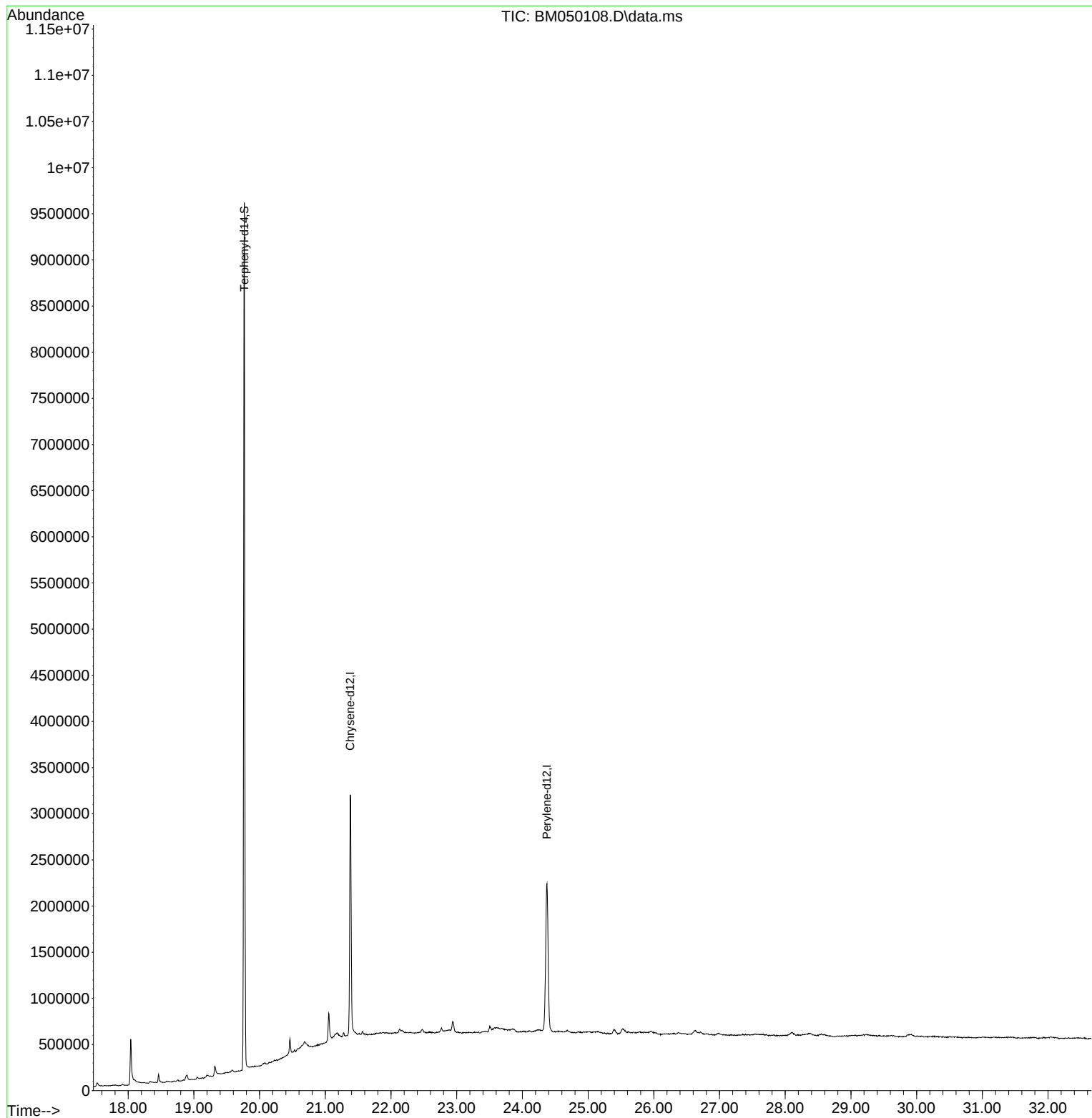
Quant Time: May 06 05:20:27 2025
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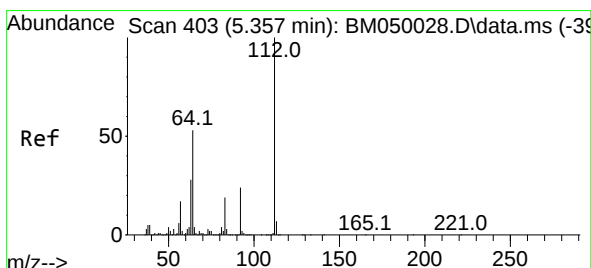
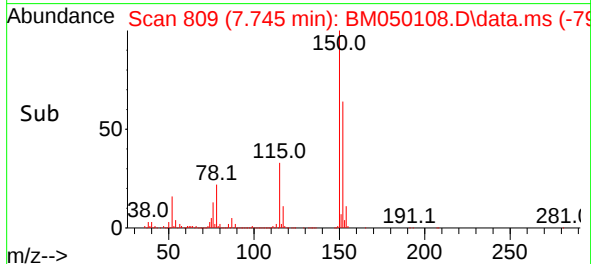
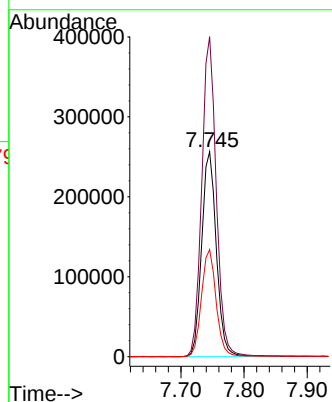
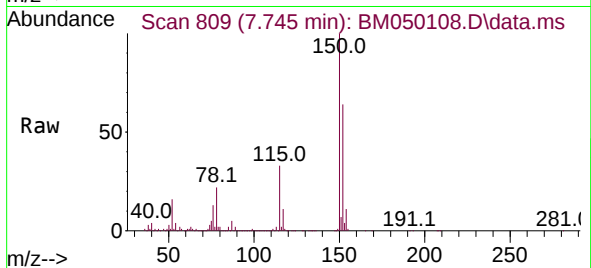




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050108.D
Acq: 05 May 2025 20:55

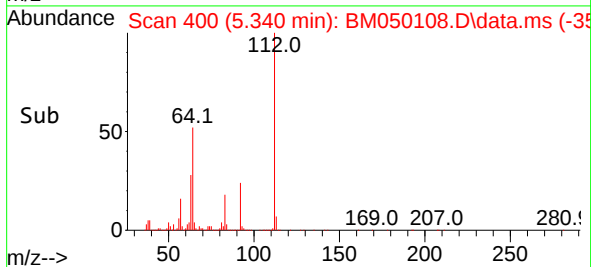
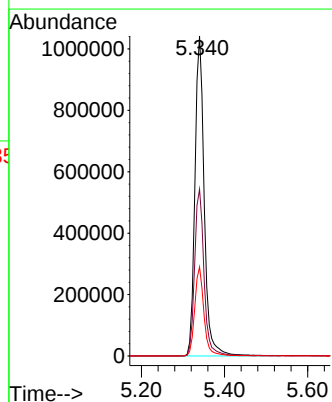
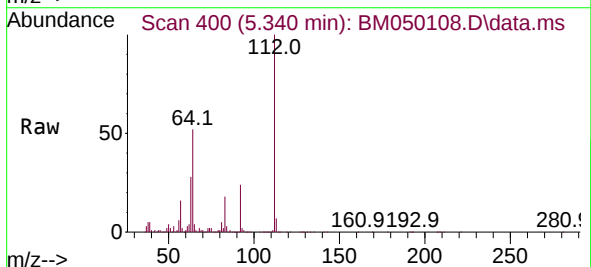
Instrument :
BNA_M
ClientSampleId :
MH-R

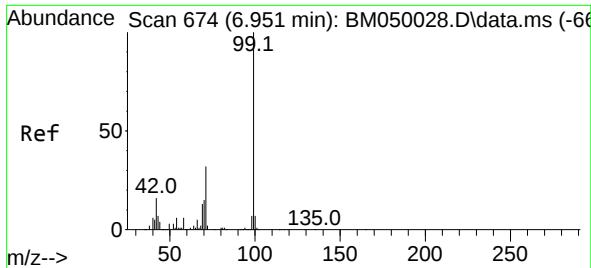
Tgt Ion:152 Resp: 415751
Ion Ratio Lower Upper
152 100
150 156.1 124.1 186.1
115 52.2 41.2 61.8



#5
2-Fluorophenol
Concen: 68.379 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050108.D
Acq: 05 May 2025 20:55

Tgt Ion:112 Resp: 1623497
Ion Ratio Lower Upper
112 100
64 52.1 42.6 64.0
63 27.8 22.2 33.4

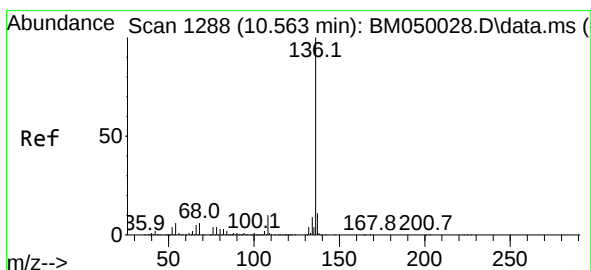
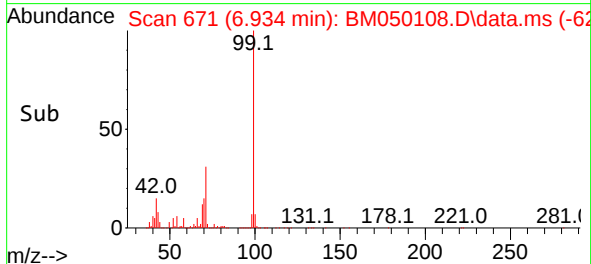
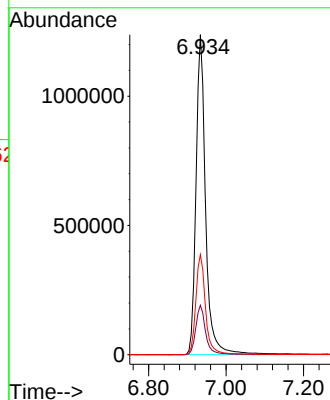
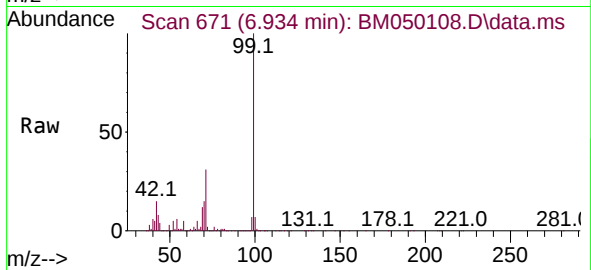




#7
Phenol-d6
Concen: 71.421 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050108.D
Acq: 05 May 2025 20:55

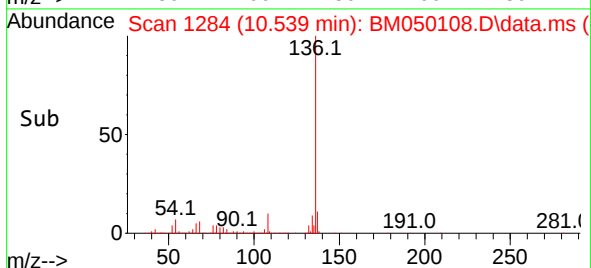
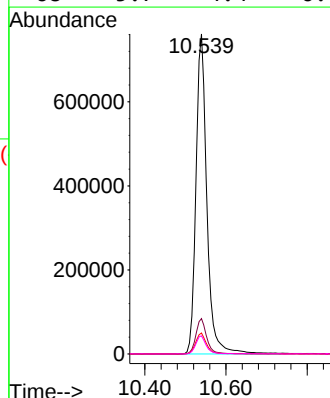
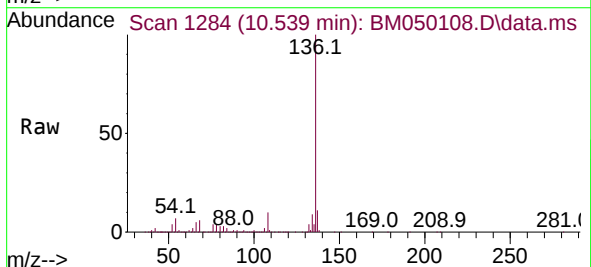
Instrument :
BNA_M
ClientSampleId :
MH-R

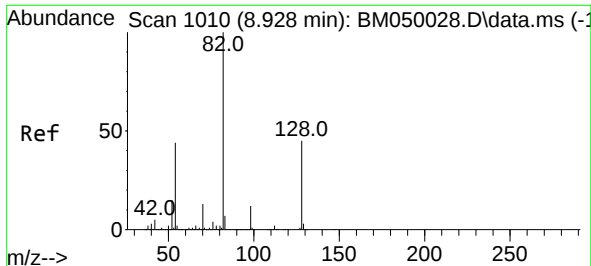
Tgt Ion: 99 Resp: 2131315
Ion Ratio Lower Upper
99 100
42 15.5 13.0 19.4
71 31.2 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050108.D
Acq: 05 May 2025 20:55

Tgt Ion: 136 Resp: 1427299
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.5 5.1 7.7
68 5.7 4.4 6.6

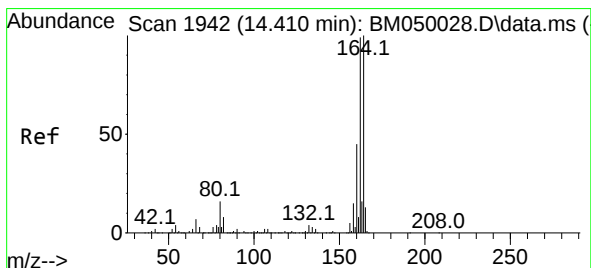
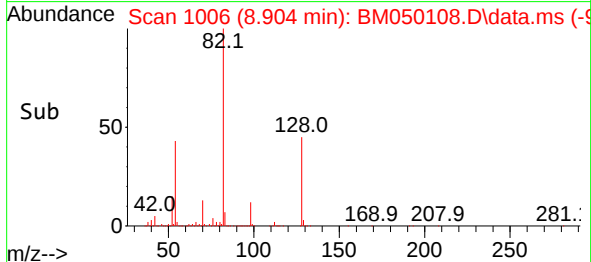
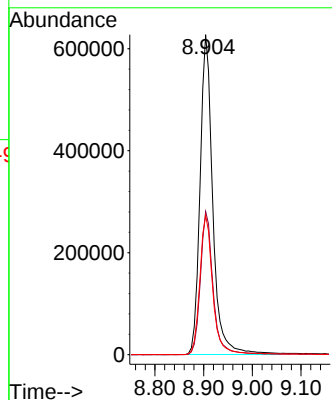
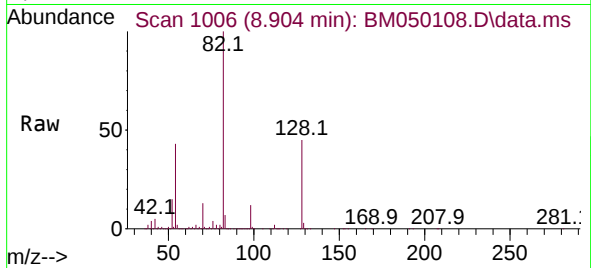




#23
Nitrobenzene-d5
Concen: 39.404 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.024 min
Lab File: BM050108.D
Acq: 05 May 2025 20:55

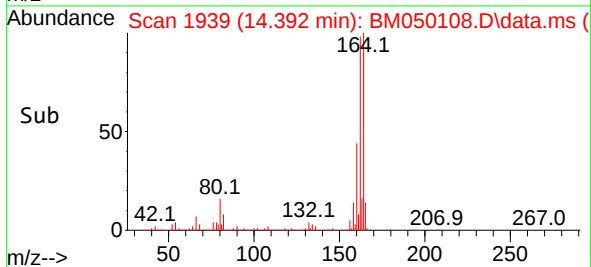
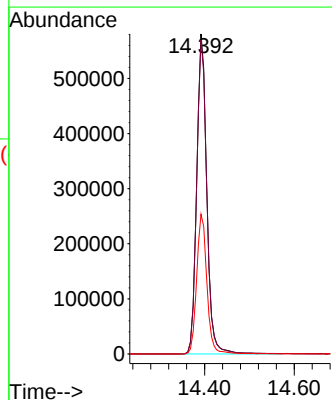
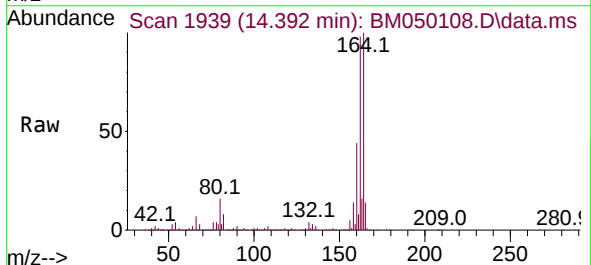
Instrument :
BNA_M
ClientSampleId :
MH-R

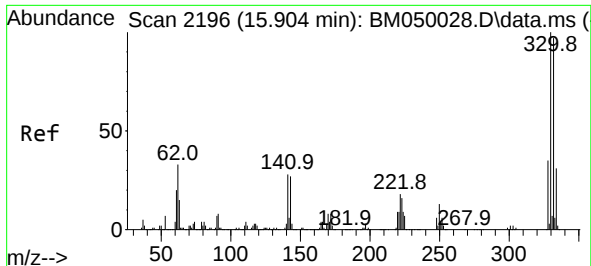
Tgt Ion: 82 Resp: 1141357
Ion Ratio Lower Upper
82 100
128 44.7 35.7 53.5
54 43.5 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050108.D
Acq: 05 May 2025 20:55

Tgt Ion:164 Resp: 905134
Ion Ratio Lower Upper
164 100
162 98.2 79.4 119.0
160 43.7 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 64.692 ng

RT: 15.892 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050108.D

Acq: 05 May 2025 20:55

Instrument :

BNA_M

ClientSampleId :

MH-R

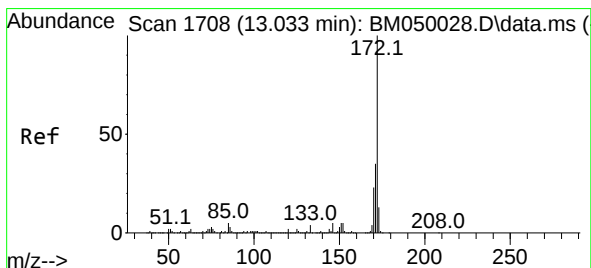
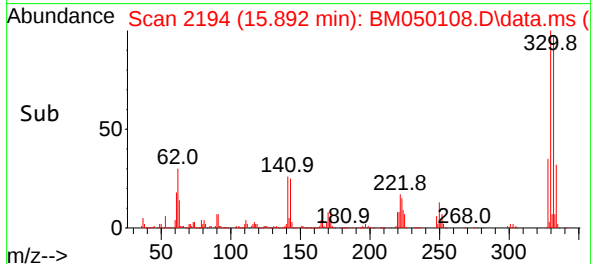
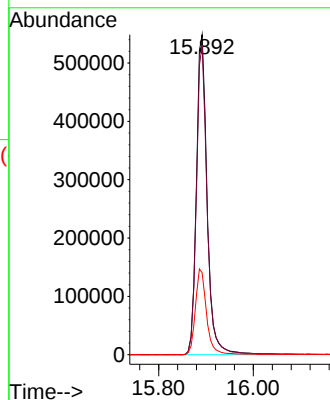
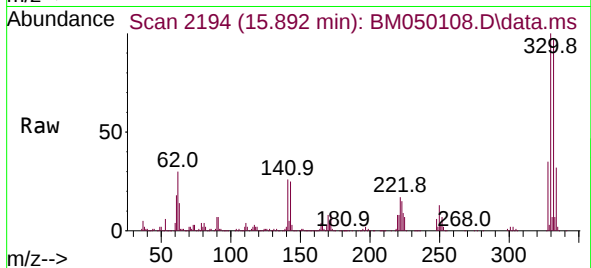
Tgt Ion:330 Resp: 865810

Ion Ratio Lower Upper

330 100

332 95.9 77.3 115.9

141 28.0 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 35.457 ng

RT: 13.010 min Scan# 1704

Delta R.T. -0.024 min

Lab File: BM050108.D

Acq: 05 May 2025 20:55

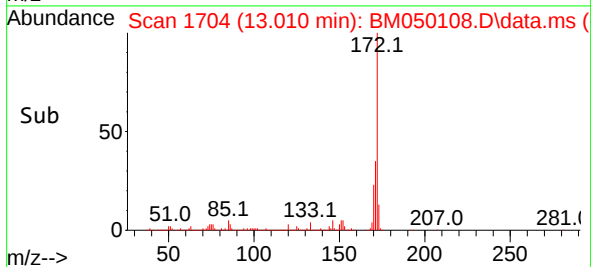
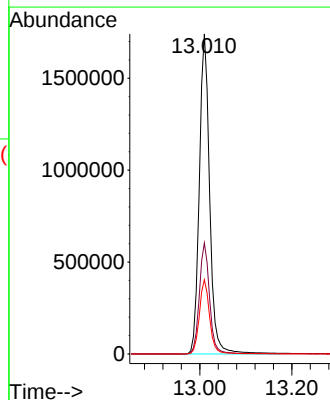
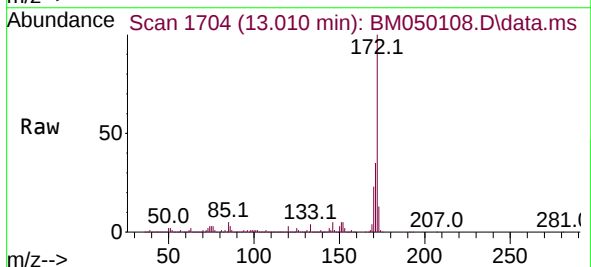
Tgt Ion:172 Resp: 2712924

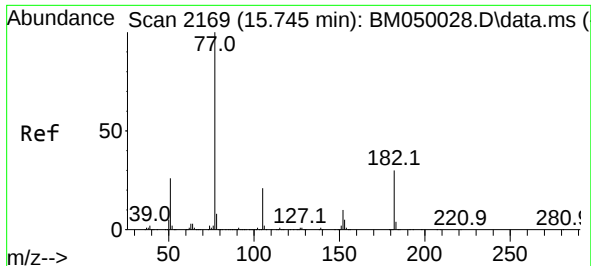
Ion Ratio Lower Upper

172 100

171 34.7 27.8 41.6

170 23.2 18.6 28.0

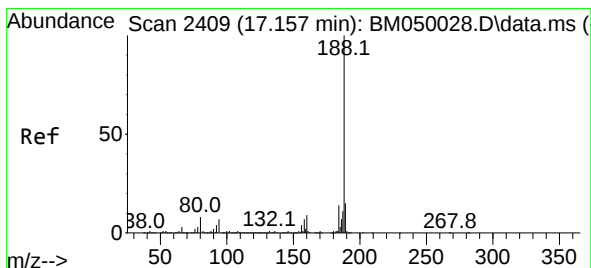
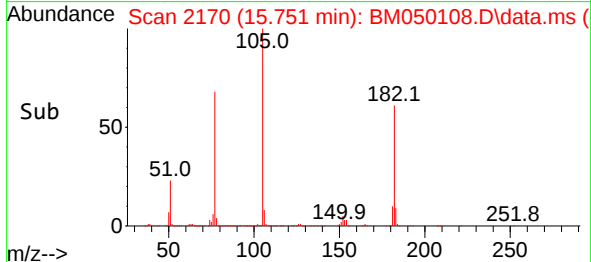
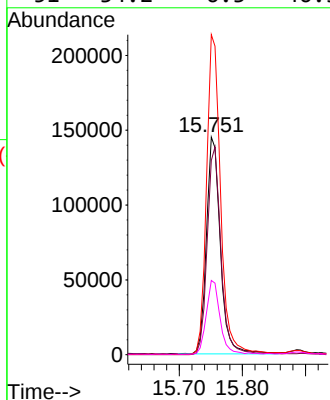
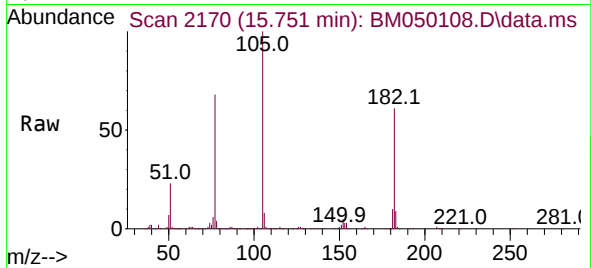




#63
 Azobenzene
 Concen: 4.235 ng
 RT: 15.751 min Scan# 2169
 Delta R.T. 0.006 min
 Lab File: BM050108.D
 Acq: 05 May 2025 20:55

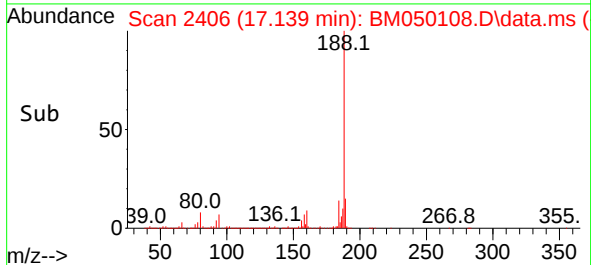
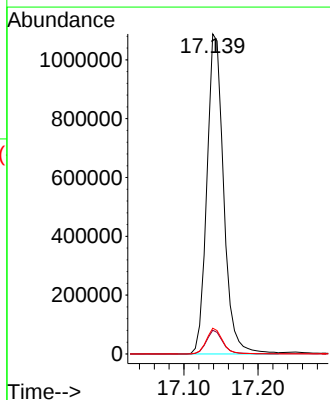
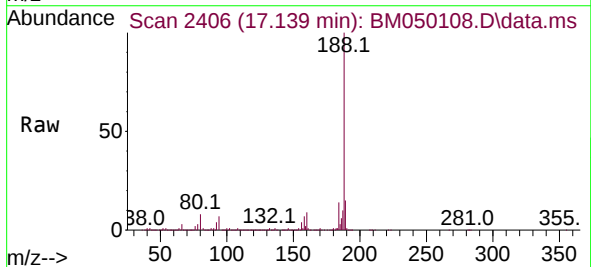
Instrument :
 BNA_M
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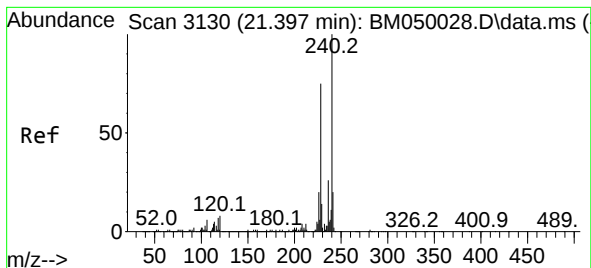
Tgt Ion: 77 Resp: 221211
 Ion Ratio Lower Upper
 77 100
 182 89.3 10.5 50.5#
 105 147.1 1.1 41.1#
 51 34.2 6.3 46.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.139 min Scan# 2406
 Delta R.T. -0.018 min
 Lab File: BM050108.D
 Acq: 05 May 2025 20:55

Tgt Ion: 188 Resp: 1708333
 Ion Ratio Lower Upper
 188 100
 94 7.4 5.7 8.5
 80 8.0 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: BM050108.D

Acq: 05 May 2025 20:55

Instrument :

BNA_M

ClientSampleId :

MH-R

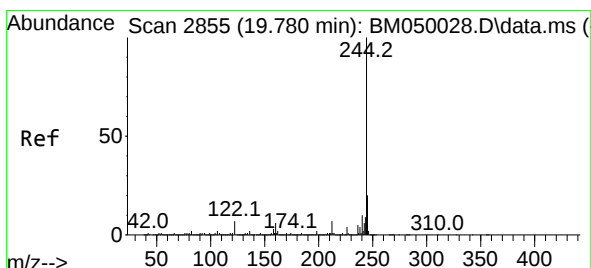
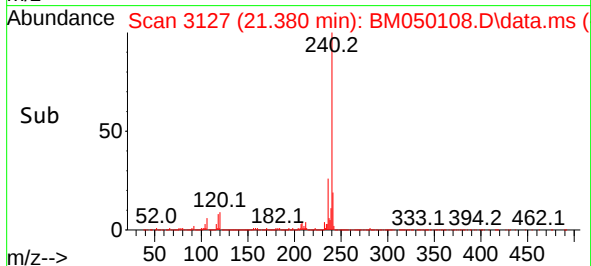
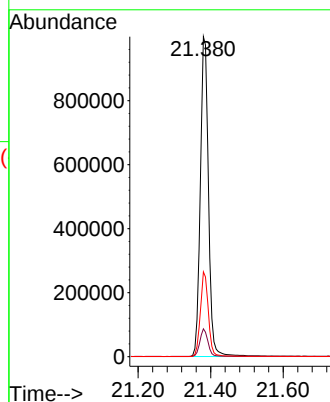
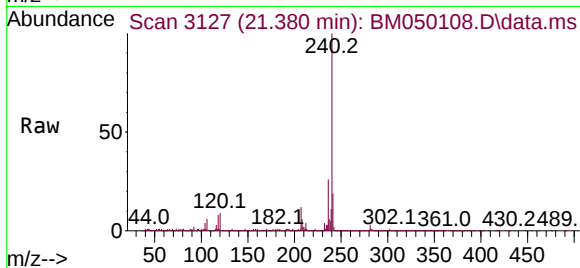
Tgt Ion:240 Resp: 1558229

Ion Ratio Lower Upper

240 100

120 8.7 6.5 9.7

236 26.5 20.9 31.3



#79

Terphenyl-d14

Concen: 44.207 ng

RT: 19.768 min Scan# 2853

Delta R.T. -0.012 min

Lab File: BM050108.D

Acq: 05 May 2025 20:55

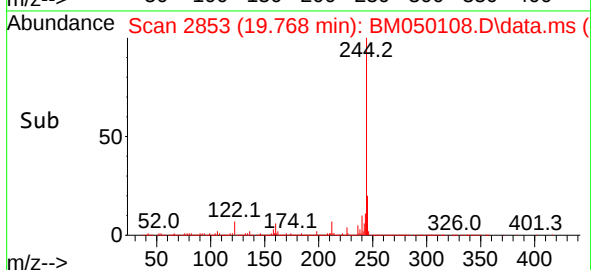
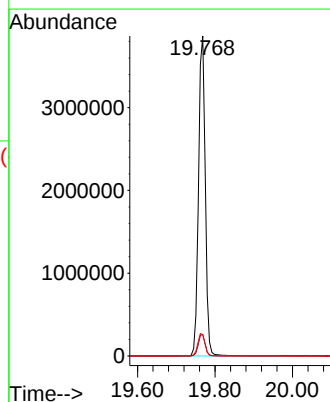
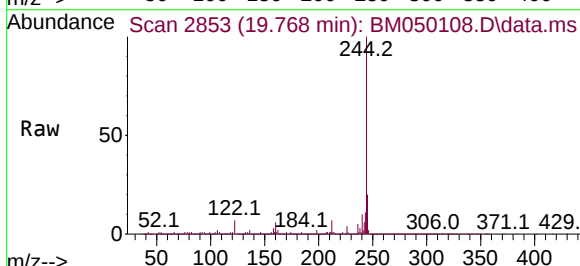
Tgt Ion:244 Resp: 4655192

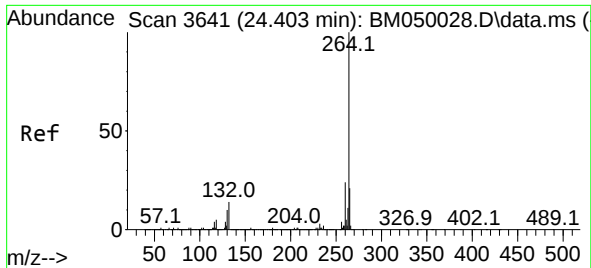
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

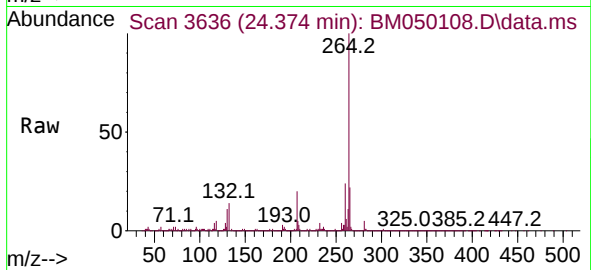
122 6.6 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.374 min Scan# 30
 Delta R.T. -0.029 min
 Lab File: BM050108.D
 Acq: 05 May 2025 20:55

Instrument :
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Tgt Ion:264 Resp: 1604513

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.8	28.2
265	22.1	17.0	25.4

