

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050104.D
 Acq On : 05 May 2025 18:18
 Operator : RC/JU
 Sample : Q1936-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SMALL-PILE-B

Quant Time: May 06 05:19:01 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)

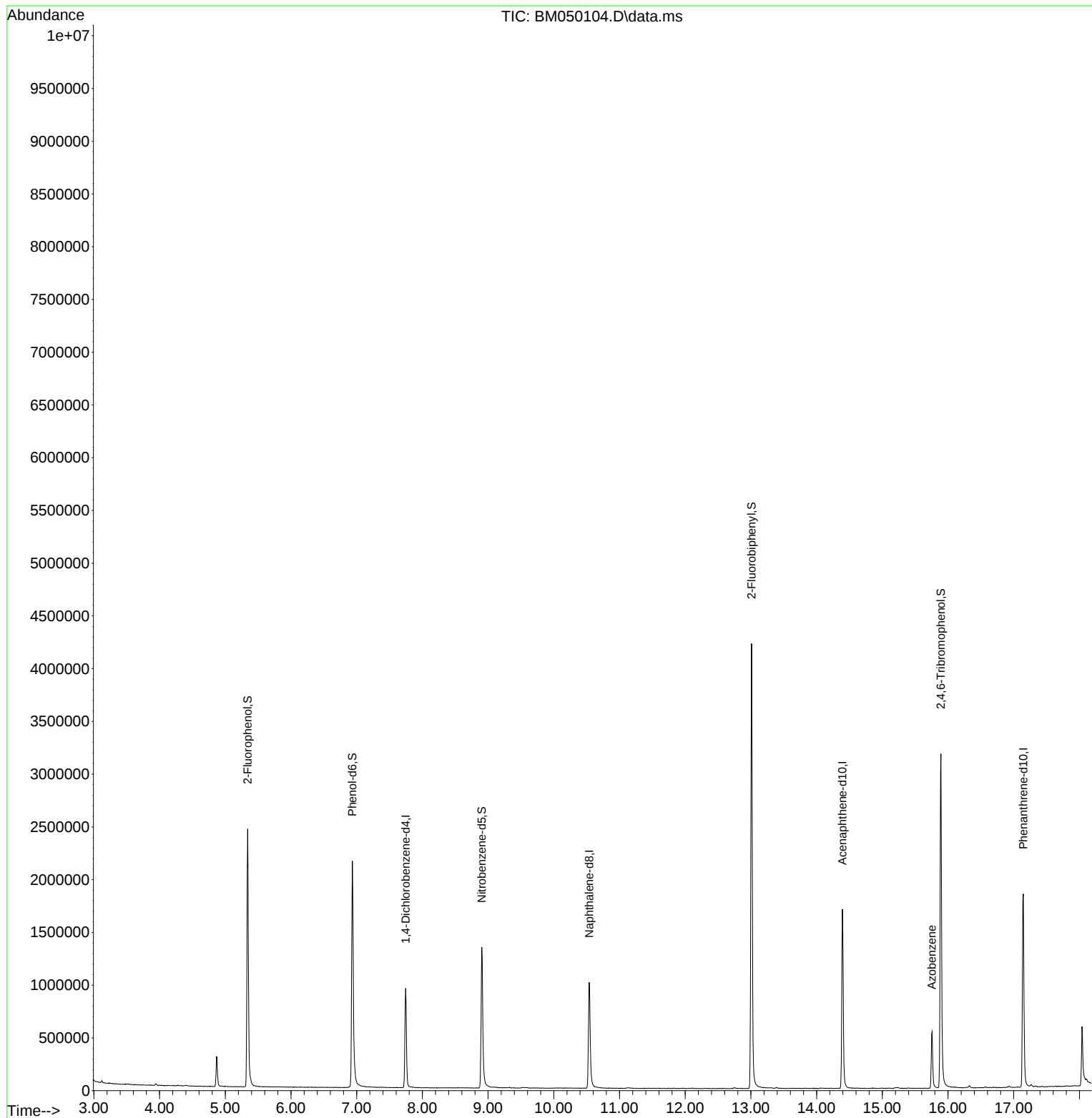
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	282446	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1024683	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	673586	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	1301412	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	1230717	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1268881	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1188038	73.655	ng	-0.02
7) Phenol-d6	6.934	99	1515522	74.755	ng	-0.02
23) Nitrobenzene-d5	8.904	82	912091	43.862	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	736962	73.993	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2485072	43.644	ng	-0.02
79) Terphenyl-d14	19.768	244	3941049	47.385	ng	-0.01
Target Compounds						
63) Azobenzene	15.751	77	166953	4.295	ng	Qvalue # 1

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

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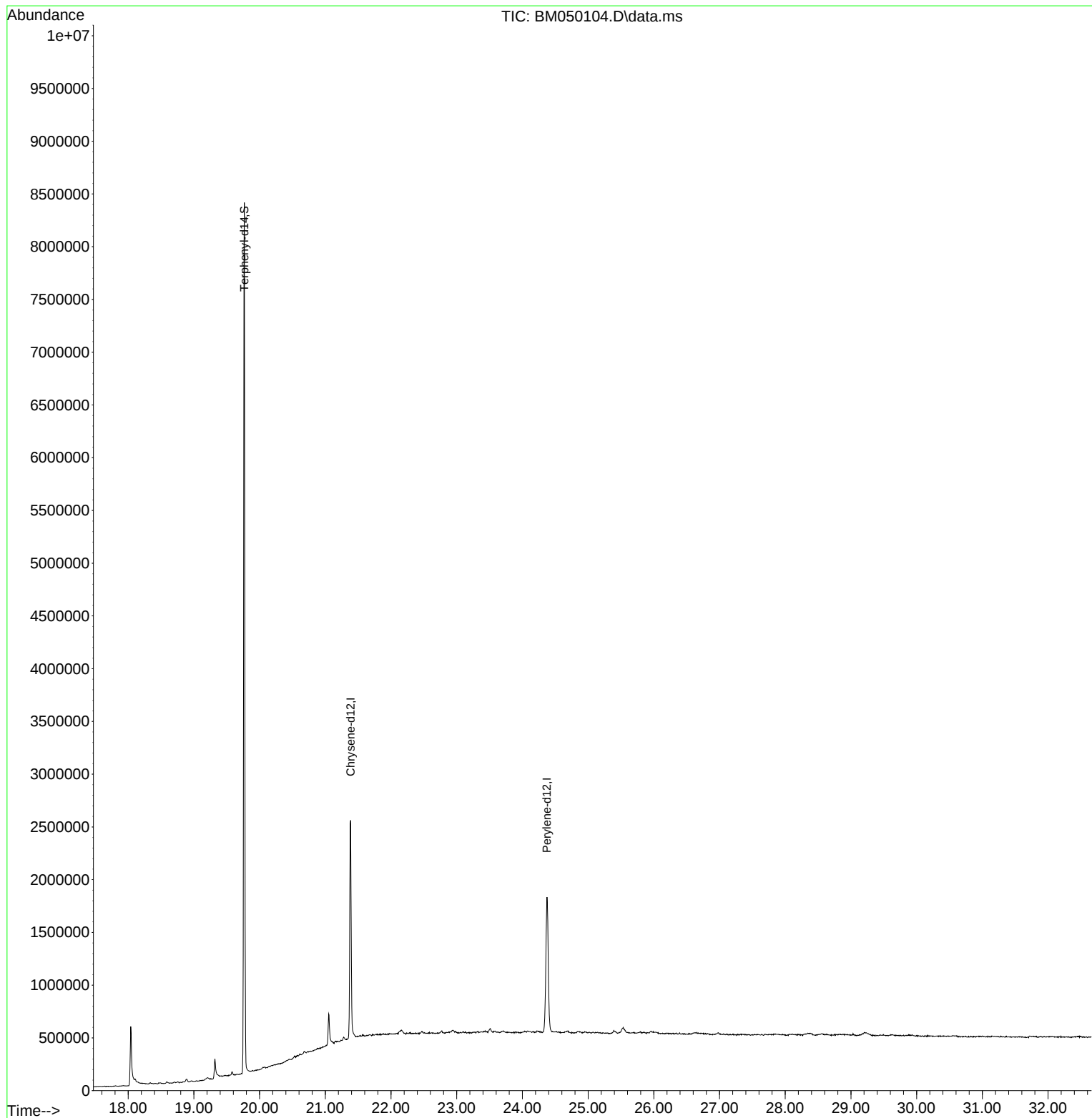
Quant Time: May 06 05:19:01 2025
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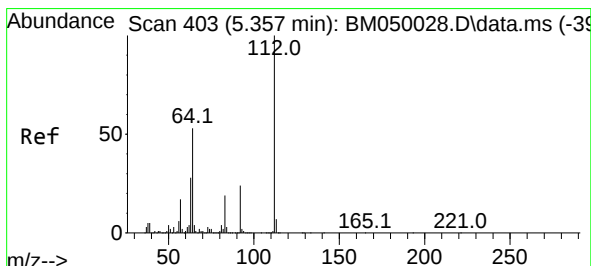
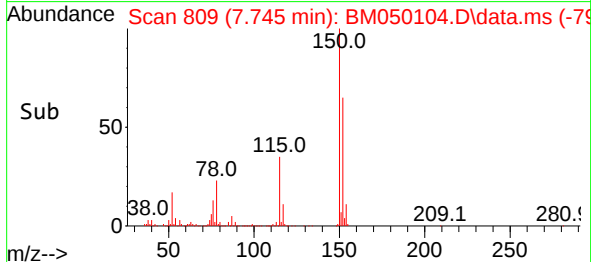
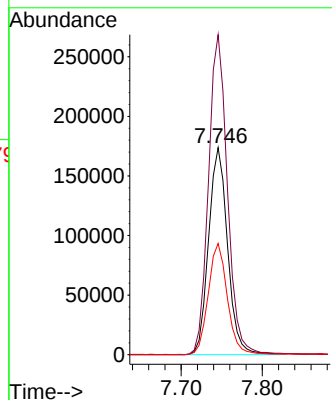
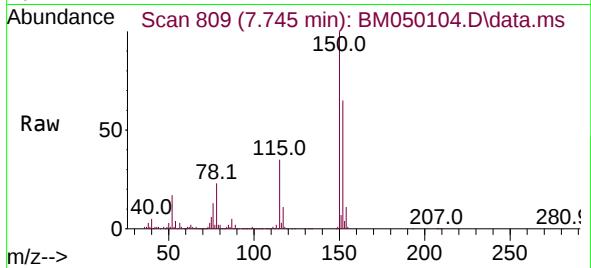




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050104.D
Acq: 05 May 2025 18:18

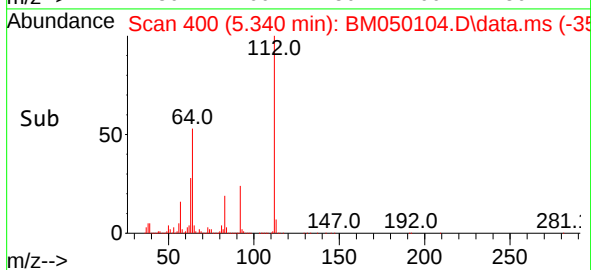
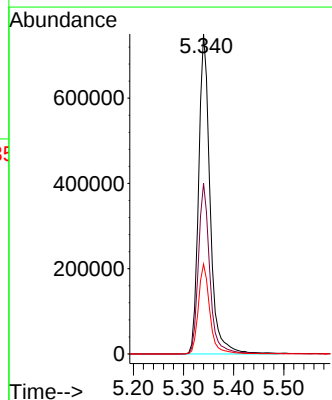
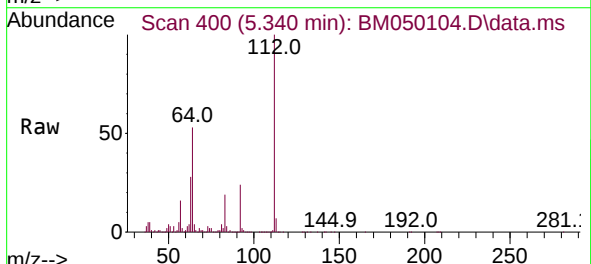
Instrument :
BNA_M
ClientSampleId :
SMALL-PILE-B

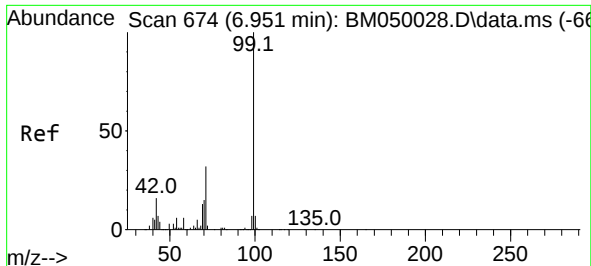
Tgt Ion:152 Resp: 282446
Ion Ratio Lower Upper
152 100
150 154.5 124.1 186.1
115 53.7 41.2 61.8



#5
2-Fluorophenol
Concen: 73.655 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050104.D
Acq: 05 May 2025 18:18

Tgt Ion:112 Resp: 1188038
Ion Ratio Lower Upper
112 100
64 53.3 42.6 64.0
63 28.1 22.2 33.4

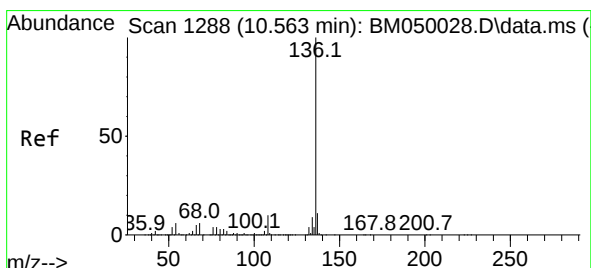
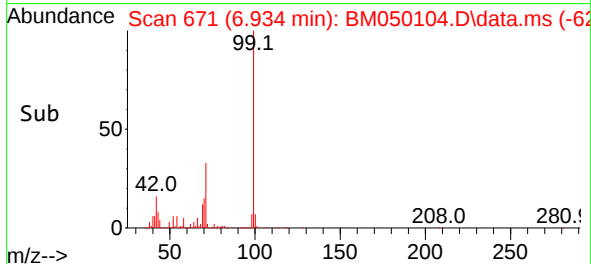
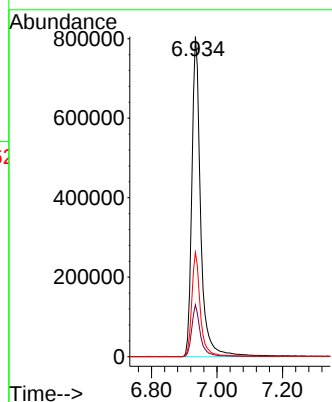
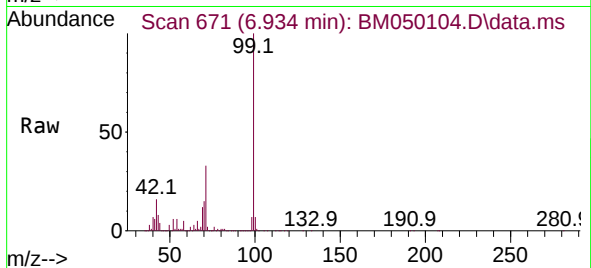




#7
Phenol-d6
Concen: 74.755 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050104.D
Acq: 05 May 2025 18:18

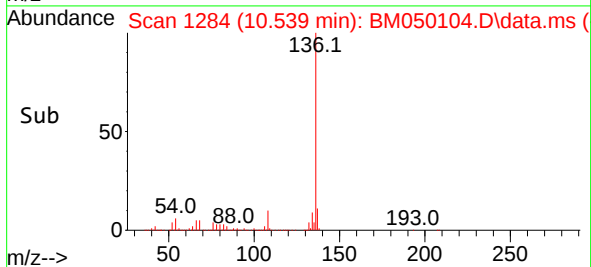
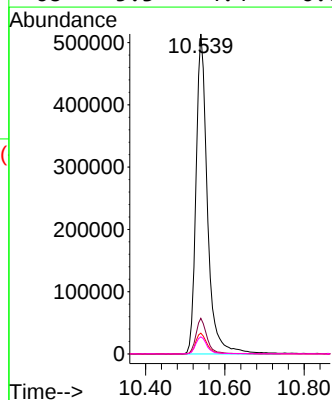
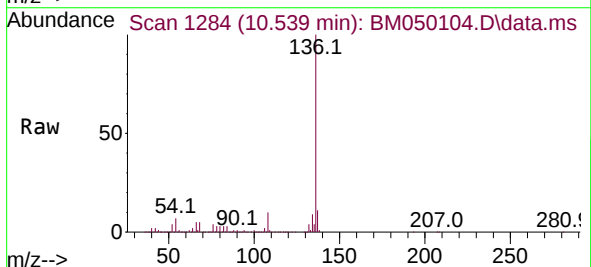
Instrument :
BNA_M
ClientSampleId :
SMALL-PILE-B

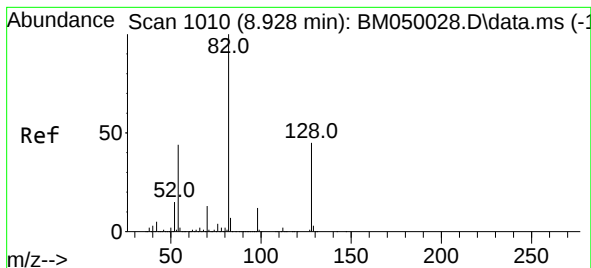
Tgt Ion: 99 Resp: 1515522
Ion Ratio Lower Upper
99 100
42 16.2 13.0 19.4
71 32.6 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BM050104.D
Acq: 05 May 2025 18:18

Tgt Ion: 136 Resp: 1024683
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 6.5 5.1 7.7
68 5.3 4.4 6.6





#23

Nitrobenzene-d5

Concen: 43.862 ng

RT: 8.904 min Scan# 1006

Delta R.T. -0.023 min

Lab File: BM050104.D

Acq: 05 May 2025 18:18

Instrument :

BNA_M

ClientSampleId :

SMALL-PILE-B

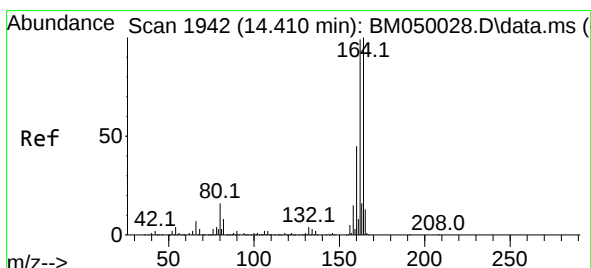
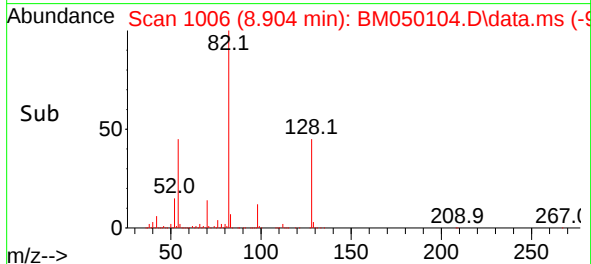
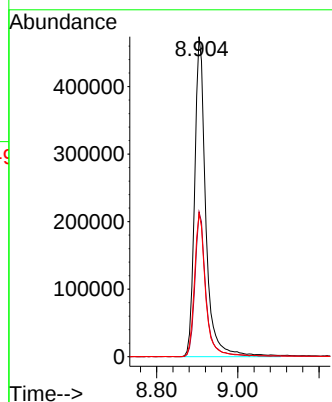
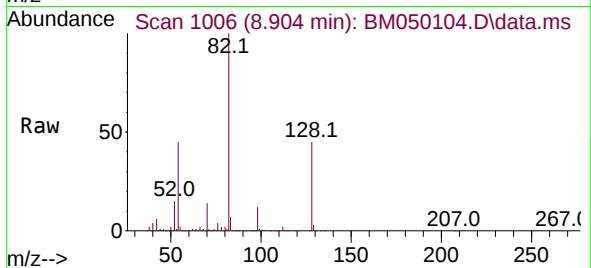
Tgt Ion: 82 Resp: 912091

Ion Ratio Lower Upper

82 100

128 45.2 35.7 53.5

54 44.7 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: BM050104.D

Acq: 05 May 2025 18:18

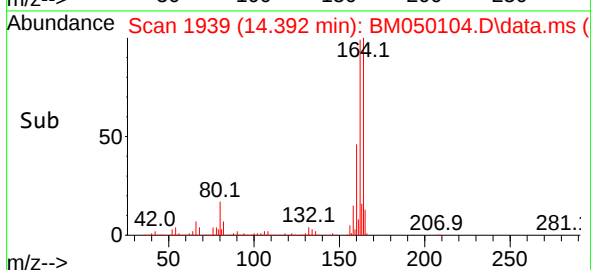
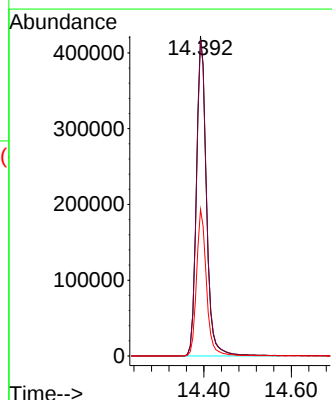
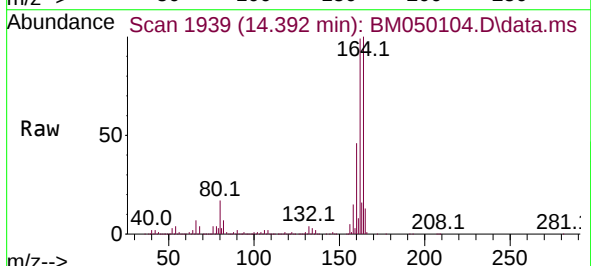
Tgt Ion: 164 Resp: 673586

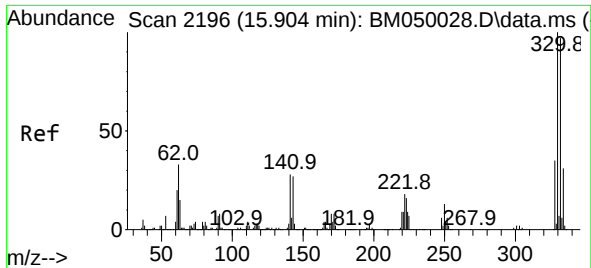
Ion Ratio Lower Upper

164 100

162 98.8 79.4 119.0

160 45.8 36.2 54.4

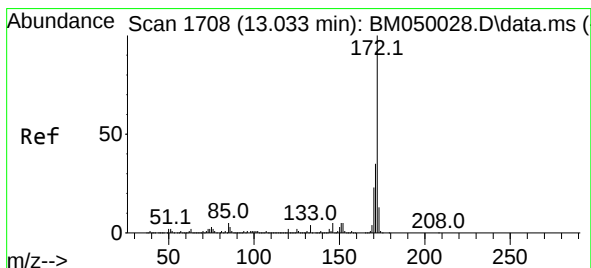
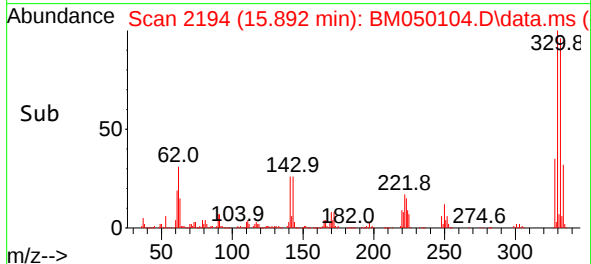
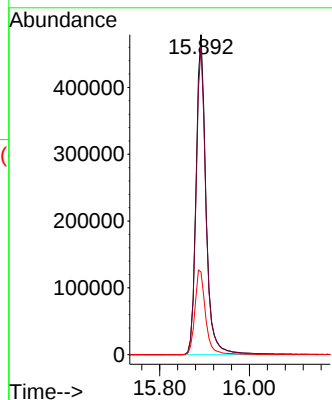
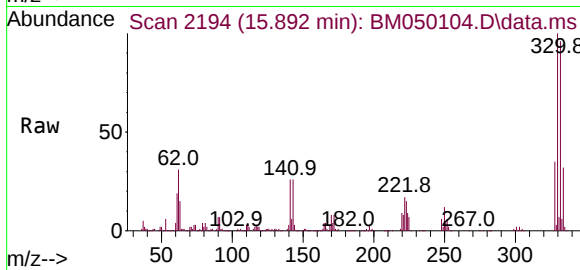




#42
2,4,6-Tribromophenol
Concen: 73.993 ng
RT: 15.892 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BM050104.D
Acq: 05 May 2025 18:18

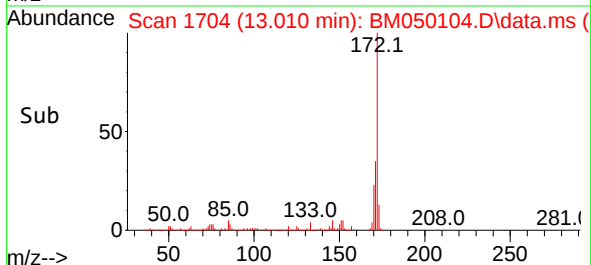
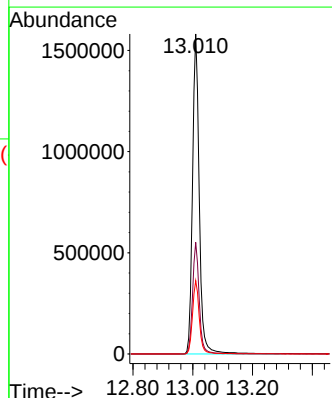
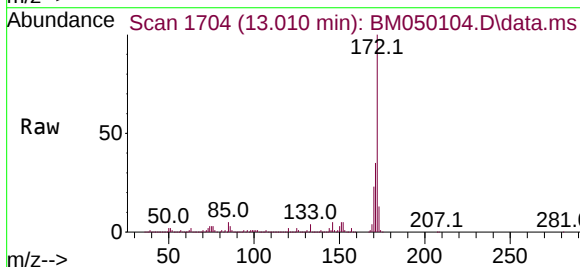
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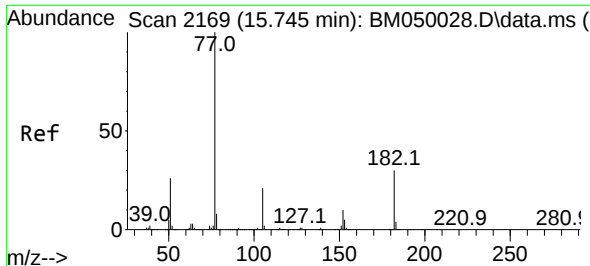
Tgt Ion:330 Resp: 736962
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 28.4 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 43.644 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.023 min
Lab File: BM050104.D
Acq: 05 May 2025 18:18

Tgt Ion:172 Resp: 2485072
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 22.9 18.6 28.0

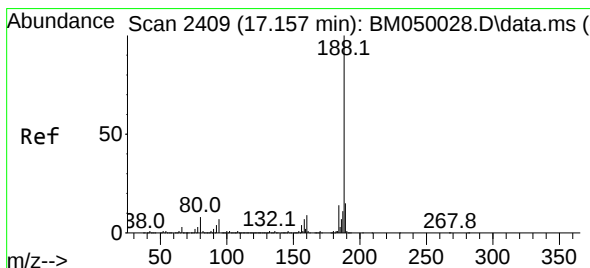
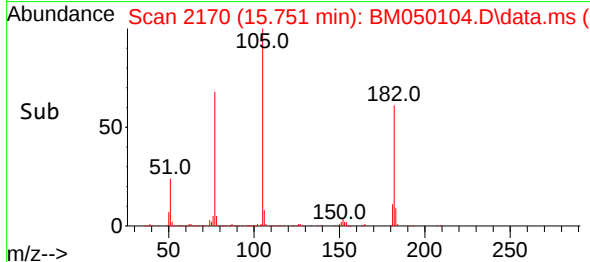
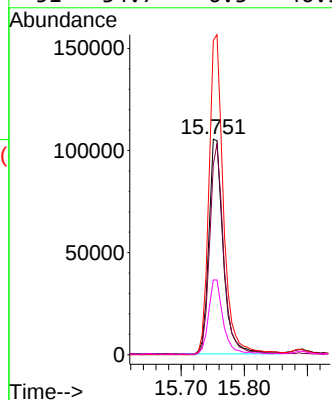
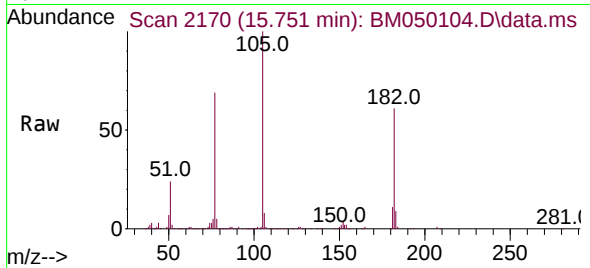




#63
Azobenzene
Concen: 4.295 ng
RT: 15.751 min Scan# 2169
Delta R.T. 0.006 min
Lab File: BM050104.D
Acq: 05 May 2025 18:18

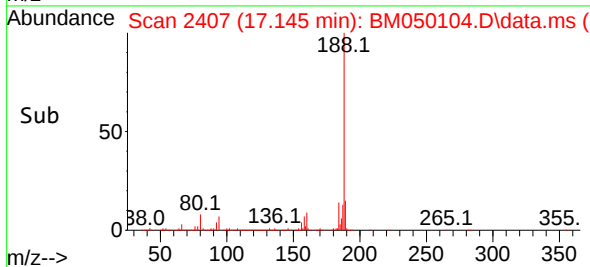
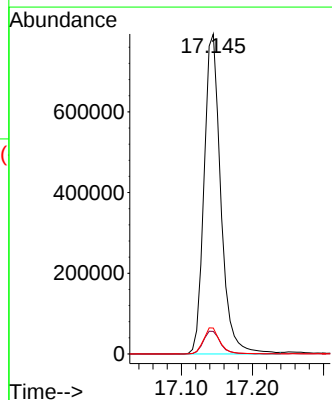
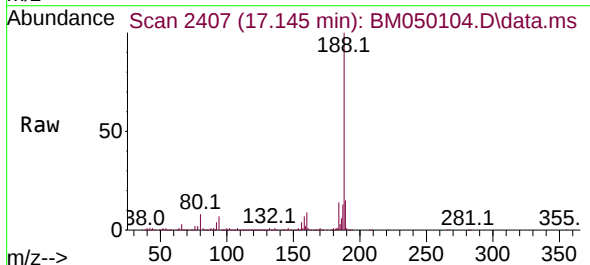
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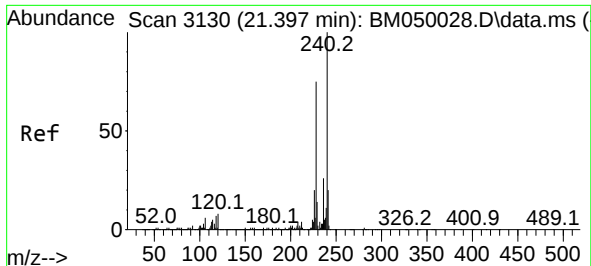
Tgt Ion: 77 Resp: 166953
Ion Ratio Lower Upper
77 100
182 88.3 10.5 50.5#
105 145.9 1.1 41.1#
51 34.7 6.3 46.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM050104.D
Acq: 05 May 2025 18:18

Tgt Ion: 188 Resp: 1301412
Ion Ratio Lower Upper
188 100
94 7.0 5.7 8.5
80 8.1 6.2 9.4

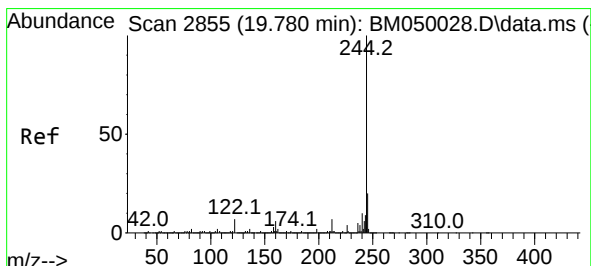
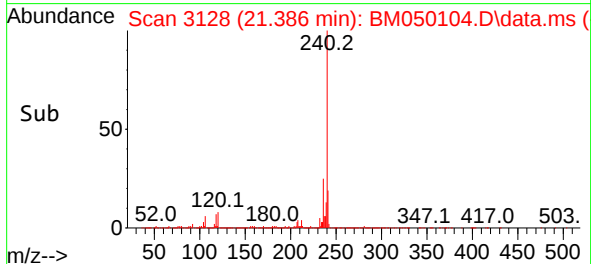
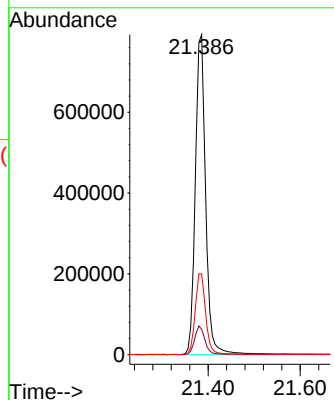
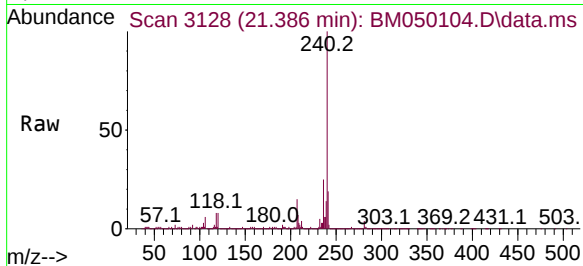




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 31
Delta R.T. -0.011 min
Lab File: BM050104.D
Acq: 05 May 2025 18:18

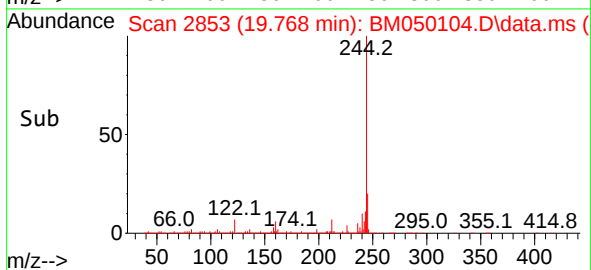
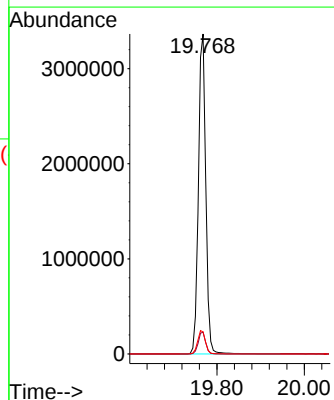
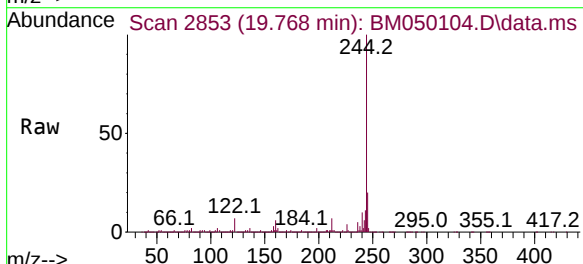
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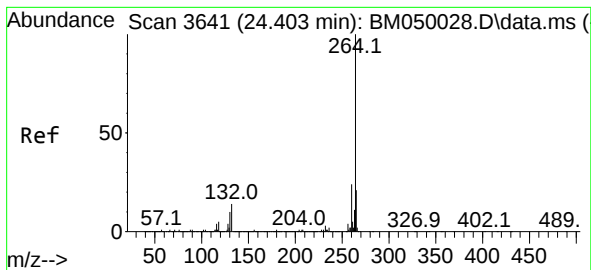
Tgt Ion:240 Resp: 1230717
Ion Ratio Lower Upper
240 100
120 7.9 6.5 9.7
236 25.2 20.9 31.3



#79
Terphenyl-d14
Concen: 47.385 ng
RT: 19.768 min Scan# 2853
Delta R.T. -0.012 min
Lab File: BM050104.D
Acq: 05 May 2025 18:18

Tgt Ion:244 Resp: 3941049
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 6.9 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: BM050104.D
 Acq: 05 May 2025 18:18

Instrument :
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Tgt Ion:264 Resp: 1268881
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.8 28.2
 265 22.0 17.0 25.4

