

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
 Data File : BM050260.D
 Acq On : 10 Jun 2025 02:51
 Operator : RC/JU
 Sample : Q2265-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 10 04:16:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 09 11:54:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

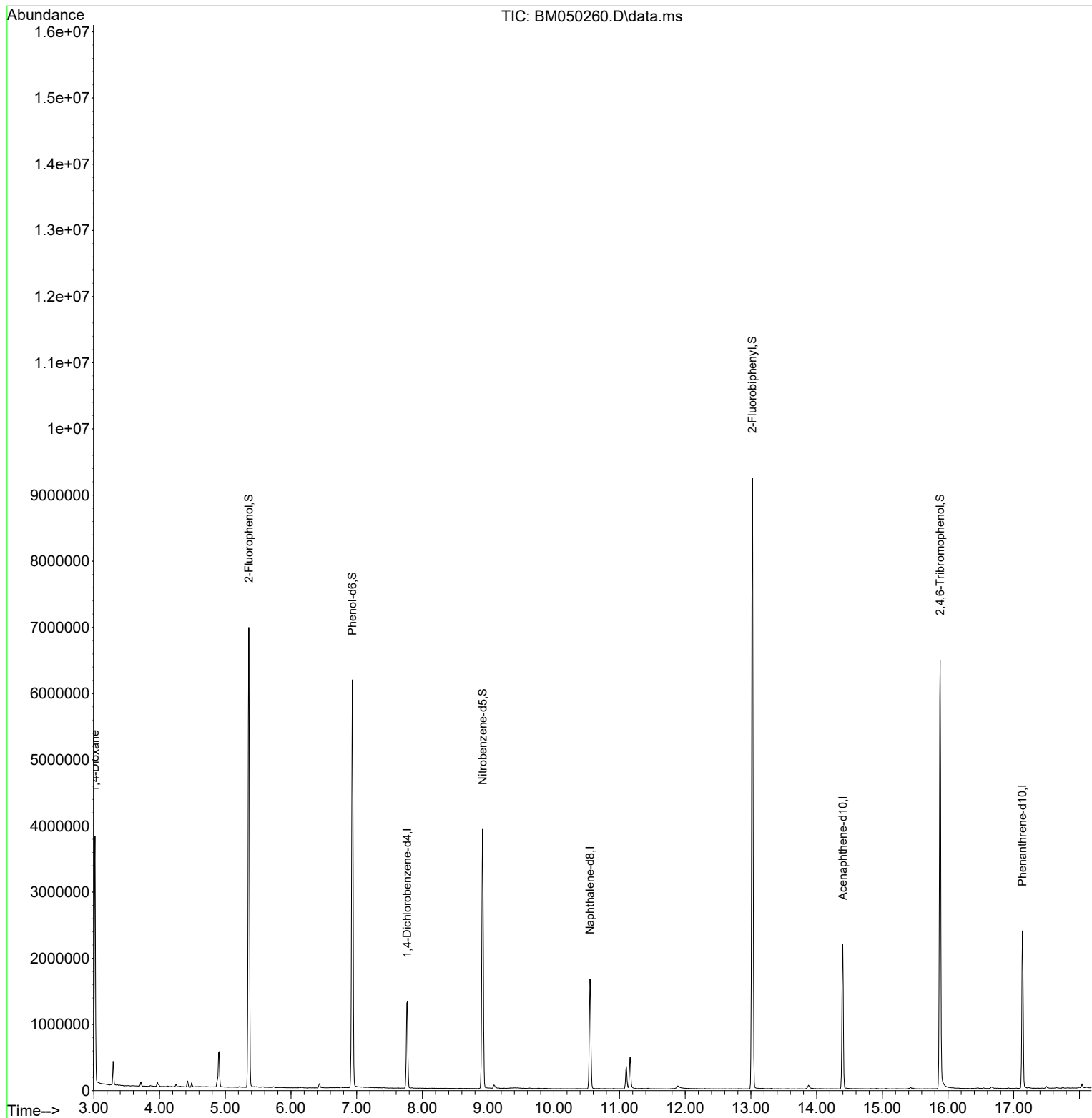
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	368436	20.000	ng	0.00
21) Naphthalene-d8	10.551	136	1400216	20.000	ng	0.00
39) Acenaphthene-d10	14.398	164	751044	20.000	ng	0.00
64) Phenanthrene-d10	17.133	188	1320622	20.000	ng	0.00
76) Chrysene-d12	21.362	240	1227807	20.000	ng	-0.01
86) Perylene-d12	24.339	264	1295460	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	3214688	145.549	ng	0.00
7) Phenol-d6	6.934	99	3942189	135.587	ng	0.00
23) Nitrobenzene-d5	8.916	82	2494737	92.662	ng	0.00
42) 2,4,6-Tribromophenol	15.880	330	1194344	139.810	ng	0.00
45) 2-Fluorobiphenyl	13.022	172	4751430	85.650	ng	0.00
79) Terphenyl-d14	19.762	244	6030813	93.081	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.017	88	25247	2.608	ng	Qvalue # 1

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

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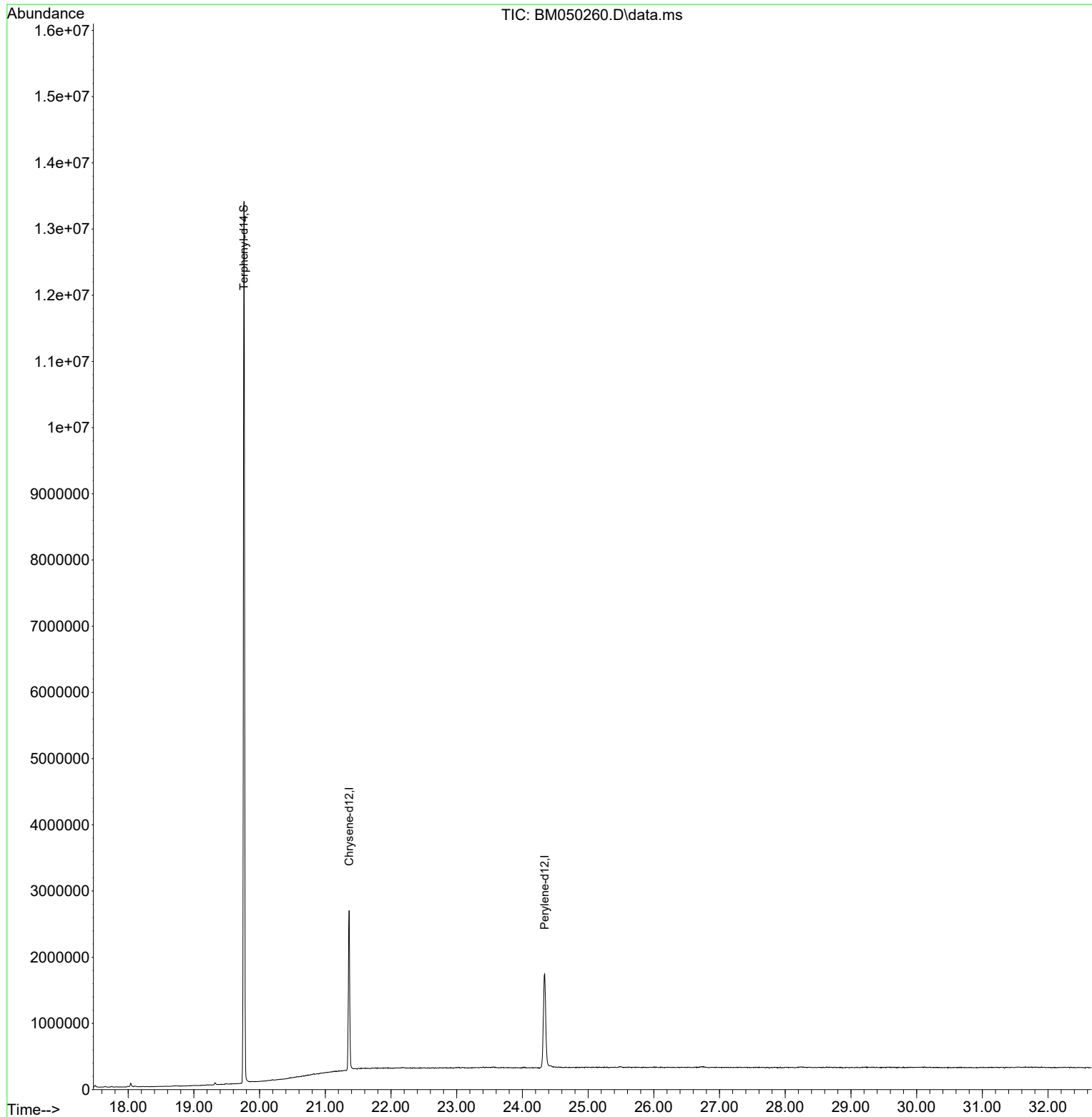
Quant Time: Jun 10 04:16:08 2025
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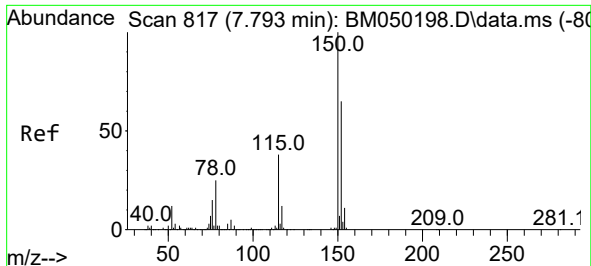


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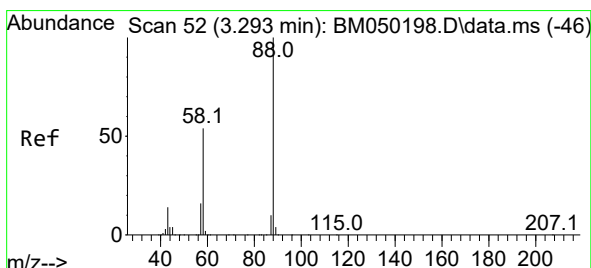
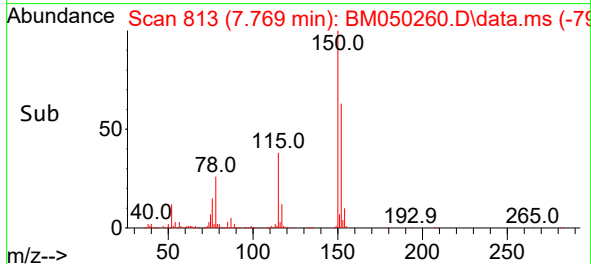
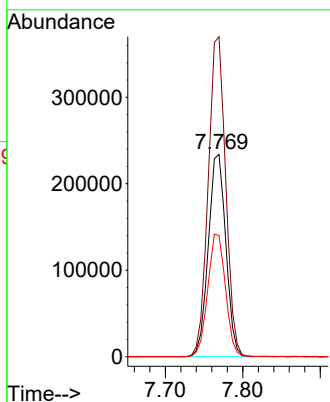
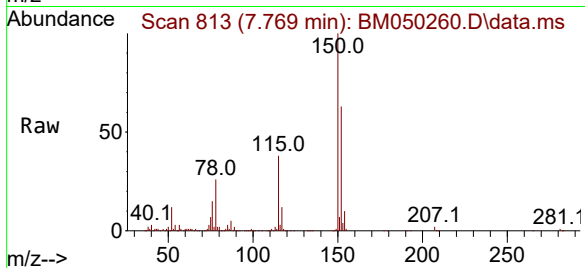




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.769 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BM050260.D
 Acq: 10 Jun 2025 02:51

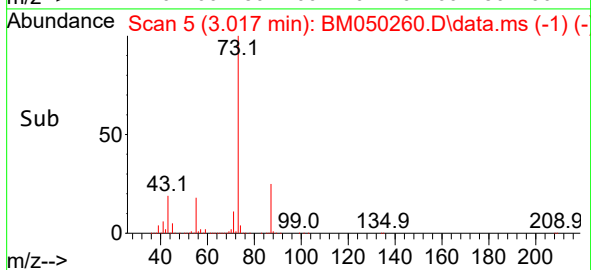
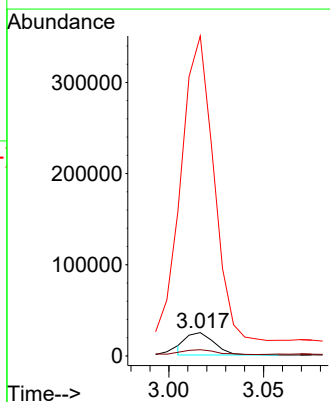
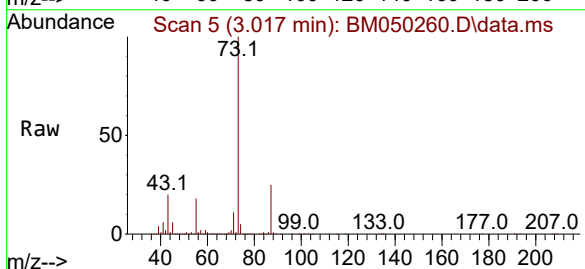
Instrument :
 BNA_M
 ClientSampleId :

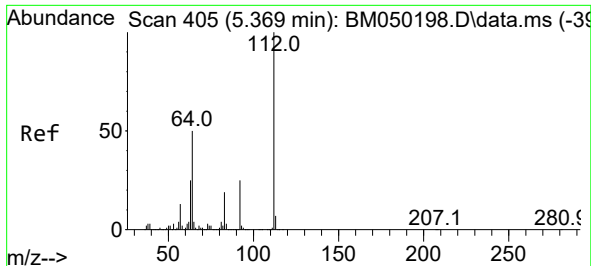
Tgt Ion:152 Resp: 368436
 Ion Ratio Lower Upper
 152 100
 150 158.2 122.2 183.4
 115 60.0 46.3 69.5



#2
 1,4-Dioxane
 Concen: 2.608 ng
 RT: 3.017 min Scan# 5
 Delta R.T. -0.264 min
 Lab File: BM050260.D
 Acq: 10 Jun 2025 02:51

Tgt Ion: 88 Resp: 25247
 Ion Ratio Lower Upper
 88 100
 58 22.1 42.9 64.3#
 43 1314.0 11.0 16.6#

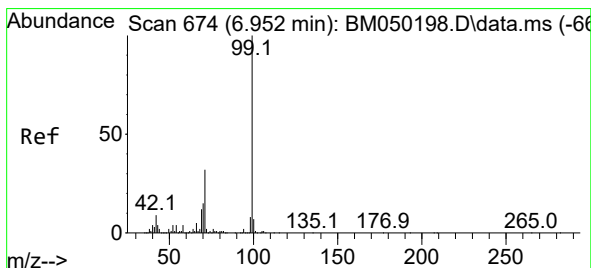
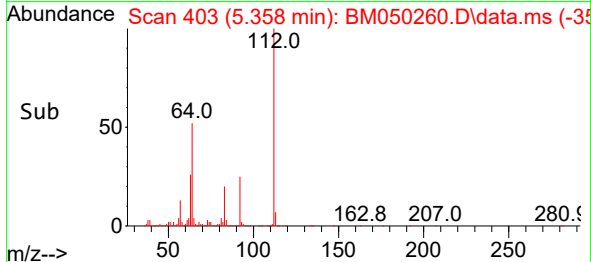
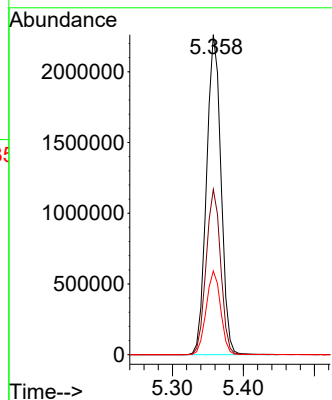
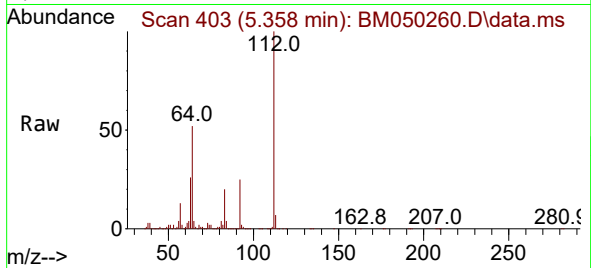




#5
2-Fluorophenol
Concen: 145.549 ng
RT: 5.358 min Scan# 405
Delta R.T. 0.000 min
Lab File: BM050260.D
Acq: 10 Jun 2025 02:51

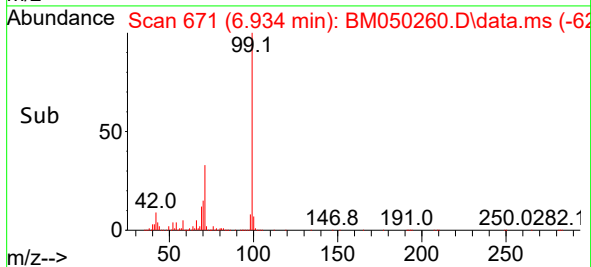
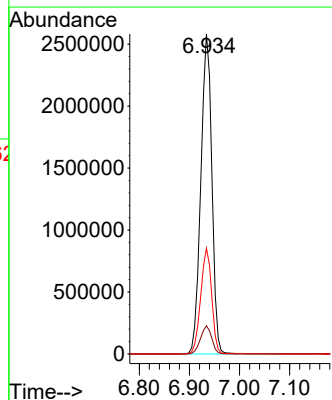
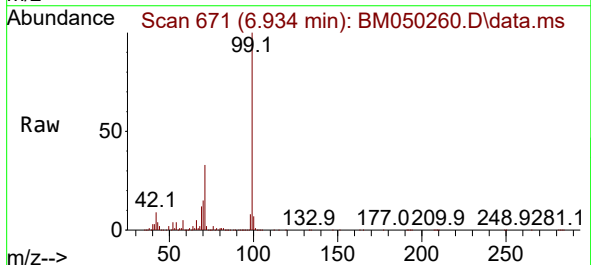
Instrument :
BNA_M
ClientSampleId :

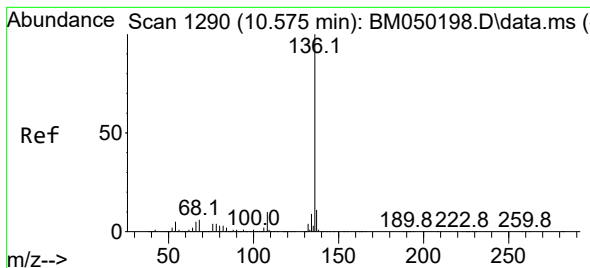
Tgt Ion:112 Resp: 3214688
Ion Ratio Lower Upper
112 100
64 51.7 39.8 59.6
63 26.1 19.8 29.8



#7
Phenol-d6
Concen: 135.587 ng
RT: 6.934 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM050260.D
Acq: 10 Jun 2025 02:51

Tgt Ion: 99 Resp: 3942189
Ion Ratio Lower Upper
99 100
42 8.8 6.9 10.3
71 33.1 25.3 37.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.551 min Scan# 11

Delta R.T. -0.006 min

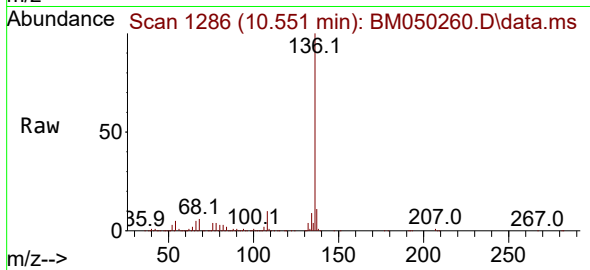
Lab File: BM050260.D

Acq: 10 Jun 2025 02:51

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:136 Resp: 1400216

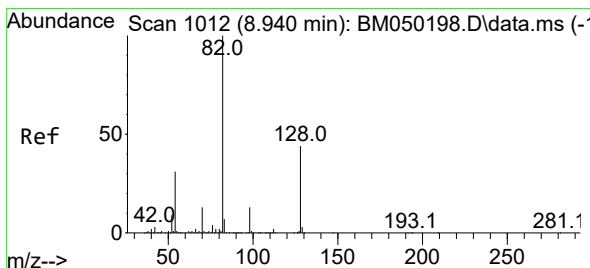
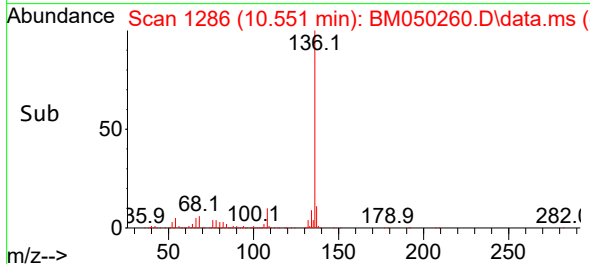
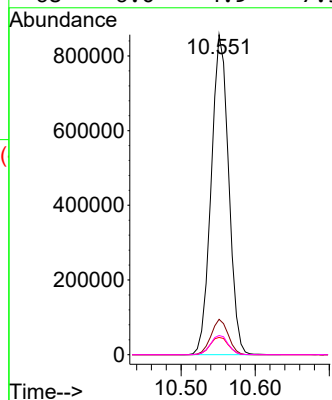
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 5.4 3.8 5.8

68 6.0 4.9 7.3



#23

Nitrobenzene-d5

Concen: 92.662 ng

RT: 8.916 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BM050260.D

Acq: 10 Jun 2025 02:51

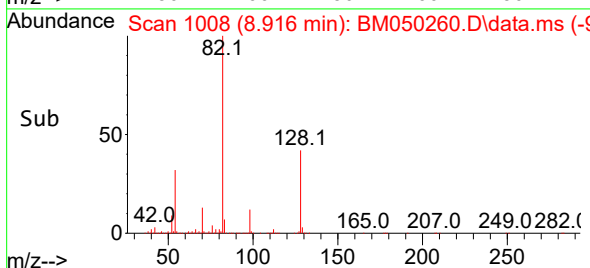
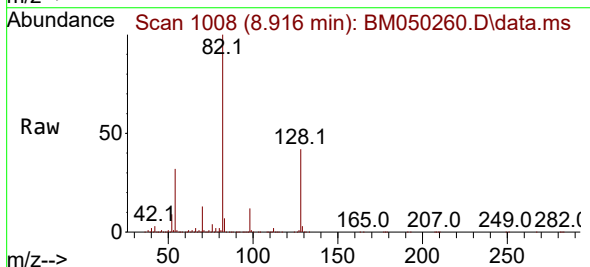
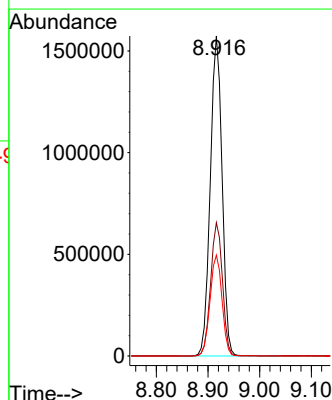
Tgt Ion: 82 Resp: 2494737

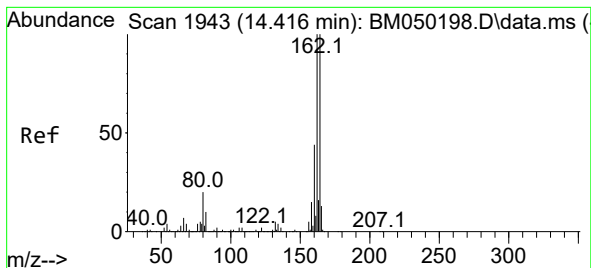
Ion Ratio Lower Upper

82 100

128 41.6 35.2 52.8

54 31.5 24.5 36.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.398 min Scan# 1940

Delta R.T. 0.000 min

Lab File: BM050260.D

Acq: 10 Jun 2025 02:51

Instrument :

BNA_M

ClientSampleId :

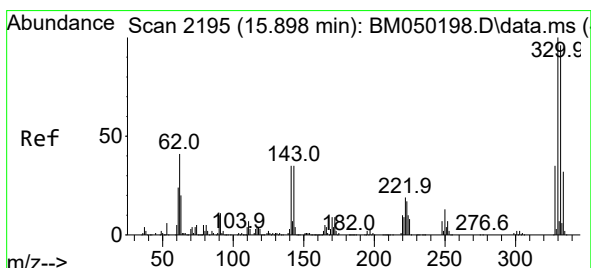
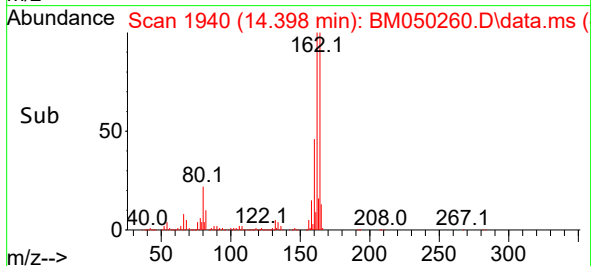
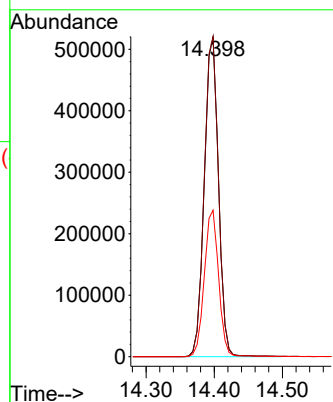
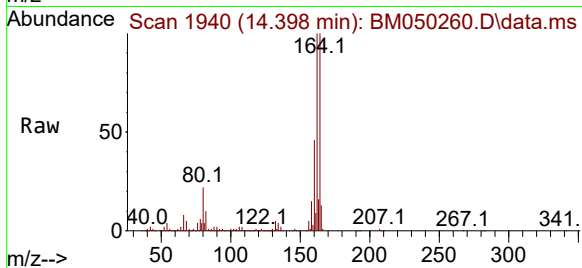
Tgt Ion:164 Resp: 751044

Ion Ratio Lower Upper

164 100

162 100.3 80.2 120.4

160 45.9 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 139.810 ng

RT: 15.880 min Scan# 2192

Delta R.T. 0.000 min

Lab File: BM050260.D

Acq: 10 Jun 2025 02:51

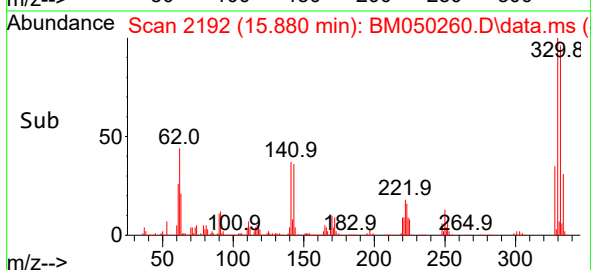
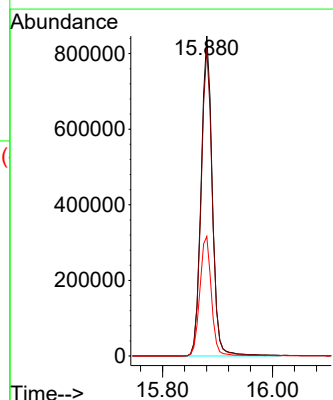
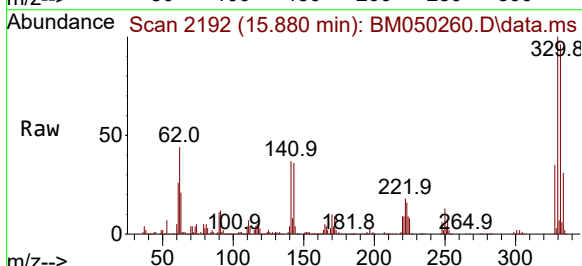
Tgt Ion:330 Resp: 1194344

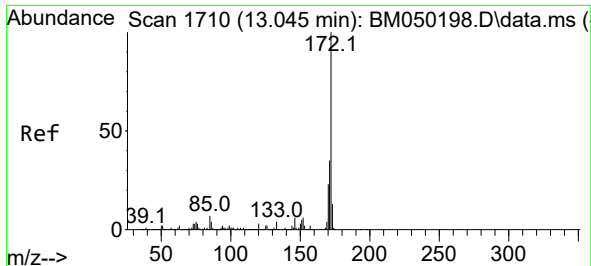
Ion Ratio Lower Upper

330 100

332 96.3 77.5 116.3

141 38.8 28.8 43.2

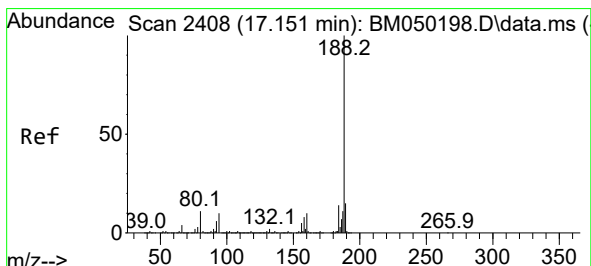
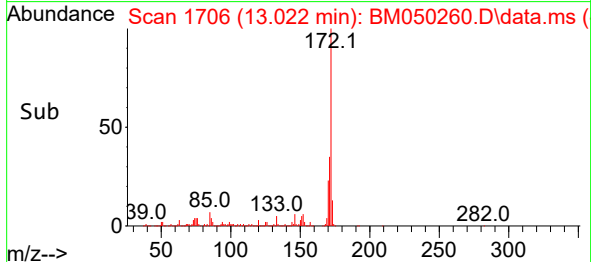
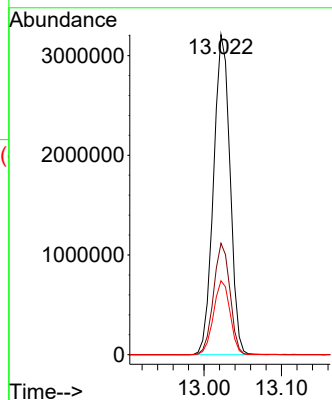
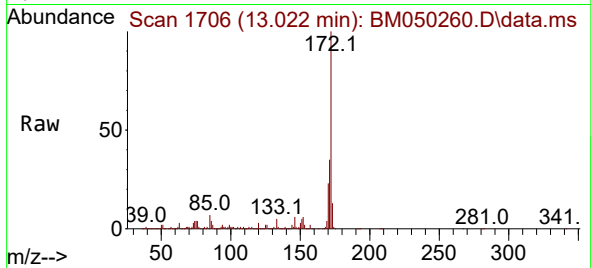




#45
2-Fluorobiphenyl
Concen: 85.650 ng
RT: 13.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050260.D
Acq: 10 Jun 2025 02:51

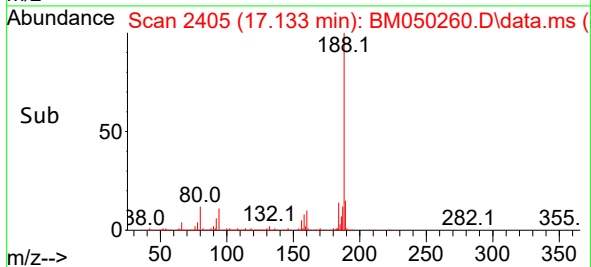
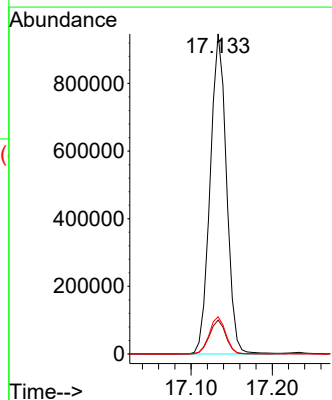
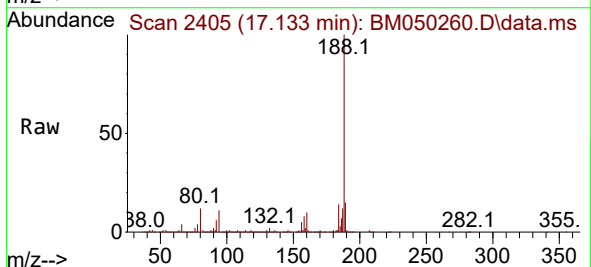
Instrument :
BNA_M
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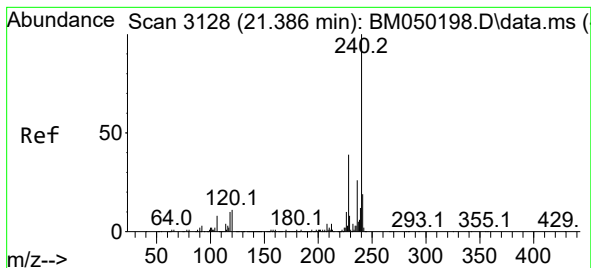
Tgt Ion:172 Resp: 4751430
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.6
170 23.1 18.6 27.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.133 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BM050260.D
Acq: 10 Jun 2025 02:51

Tgt Ion:188 Resp: 1320622
Ion Ratio Lower Upper
188 100
94 10.6 8.1 12.1
80 11.6 8.6 13.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.362 min Scan# 3124

Delta R.T. -0.011 min

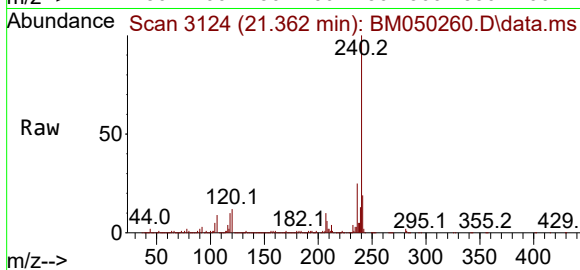
Lab File: BM050260.D

Acq: 10 Jun 2025 02:51

Instrument :

BNA_M

ClientSampleId :



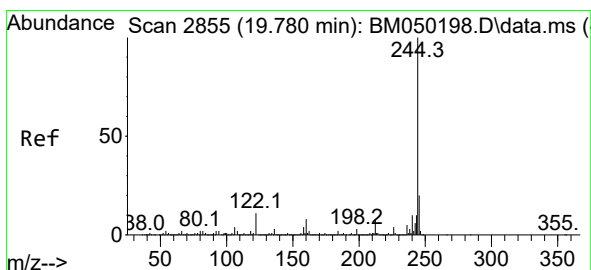
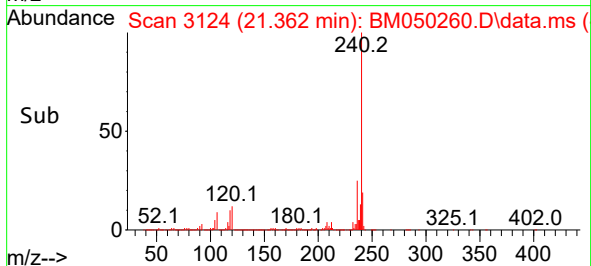
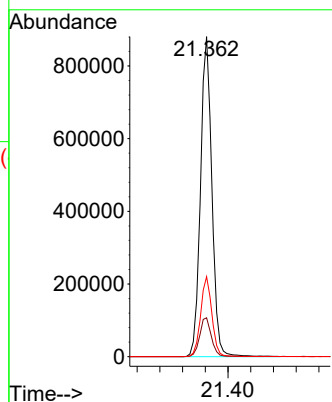
Tgt Ion:240 Resp: 1227807

Ion Ratio Lower Upper

240 100

120 12.2 9.0 13.4

236 25.0 20.7 31.1



#79

Terphenyl-d14

Concen: 93.081 ng

RT: 19.762 min Scan# 2852

Delta R.T. -0.006 min

Lab File: BM050260.D

Acq: 10 Jun 2025 02:51

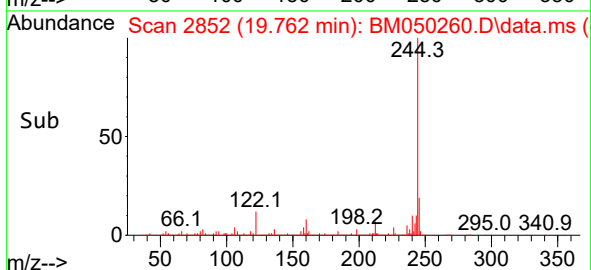
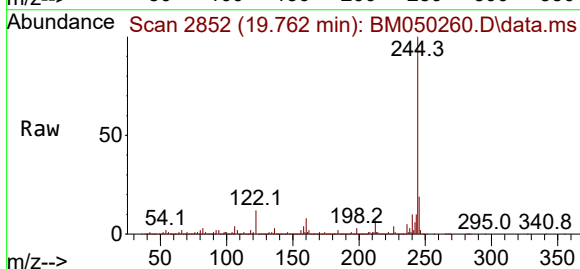
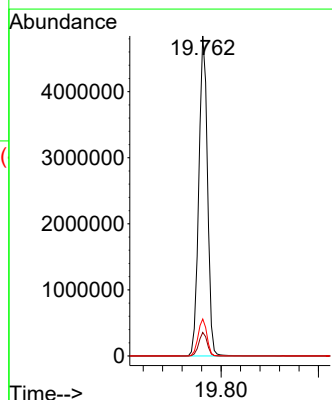
Tgt Ion:244 Resp: 6030813

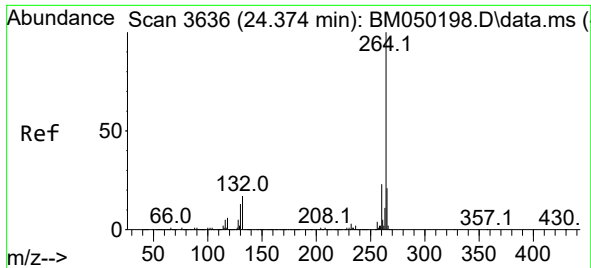
Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

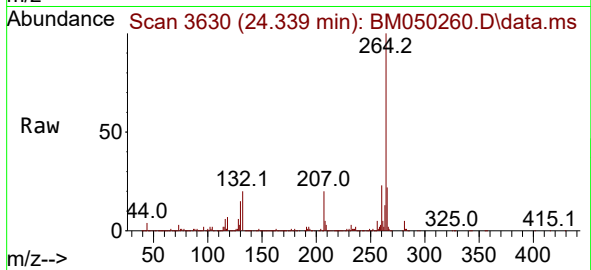
122 11.6 8.6 12.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.339 min Scan# 30
 Delta R.T. -0.006 min
 Lab File: BM050260.D
 Acq: 10 Jun 2025 02:51

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:264 Resp: 1295460
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.6 28.0
 265 21.7 16.8 25.2

