

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
 Data File : BM050249.D
 Acq On : 09 Jun 2025 19:40
 Operator : RC/JU
 Sample : Q2228-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 10 01:26:17 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

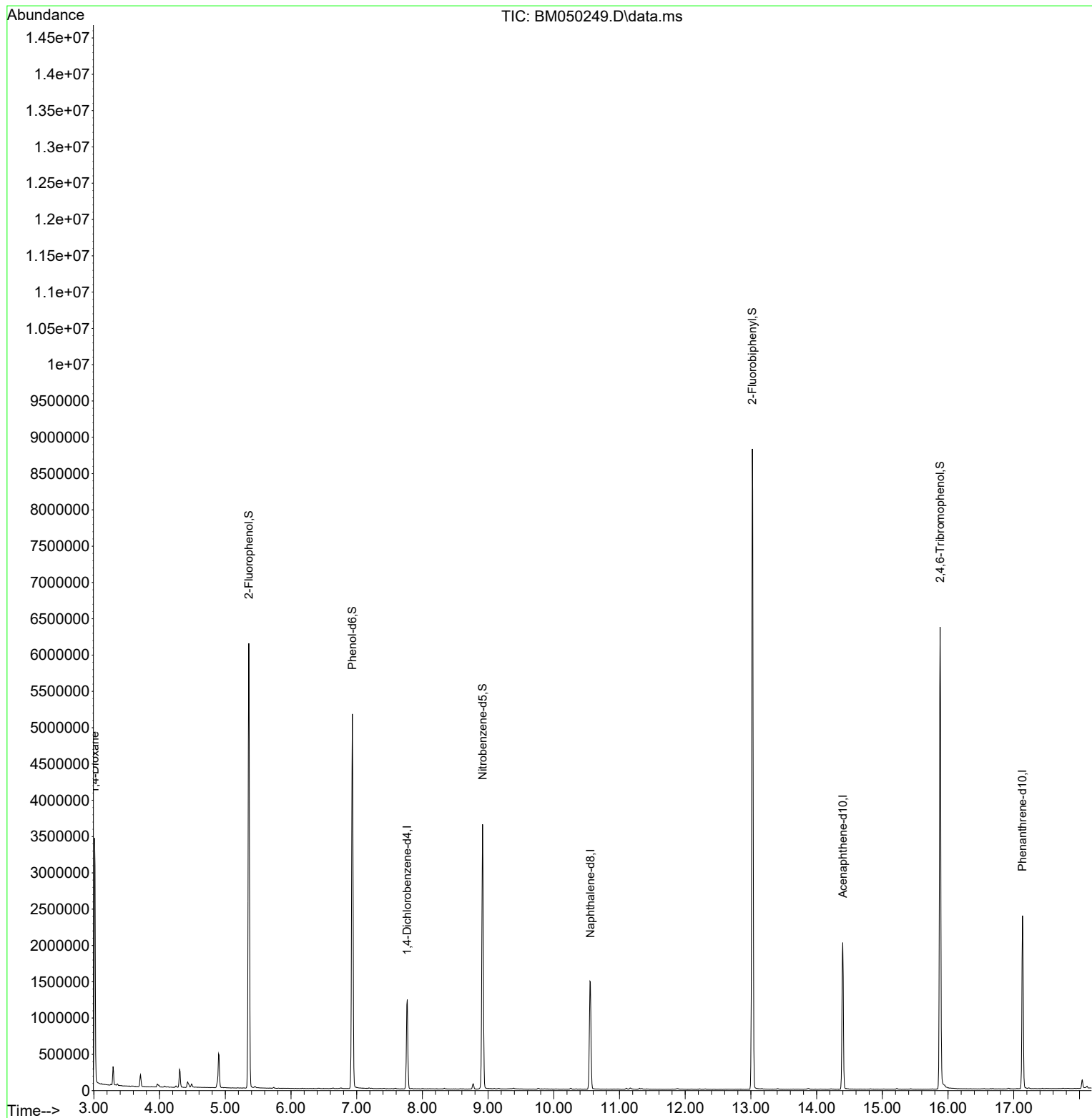
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	344656	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	1293755	20.000	ng	0.00
39) Acenaphthene-d10	14.398	164	699023	20.000	ng	0.00
64) Phenanthrene-d10	17.133	188	1337378	20.000	ng	0.00
76) Chrysene-d12	21.362	240	1265522	20.000	ng	-0.01
86) Perylene-d12	24.344	264	635863	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2869963	138.907	ng	0.00
7) Phenol-d6	6.934	99	3323871	122.209	ng	0.00
23) Nitrobenzene-d5	8.916	82	2272103	91.337	ng	0.00
42) 2,4,6-Tribromophenol	15.880	330	1180262	148.444	ng	0.00
45) 2-Fluorobiphenyl	13.022	172	4569653	88.504	ng	0.00
79) Terphenyl-d14	19.762	244	5766516	86.349	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.010	88	18916	2.089	ng	Qvalue # 1

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

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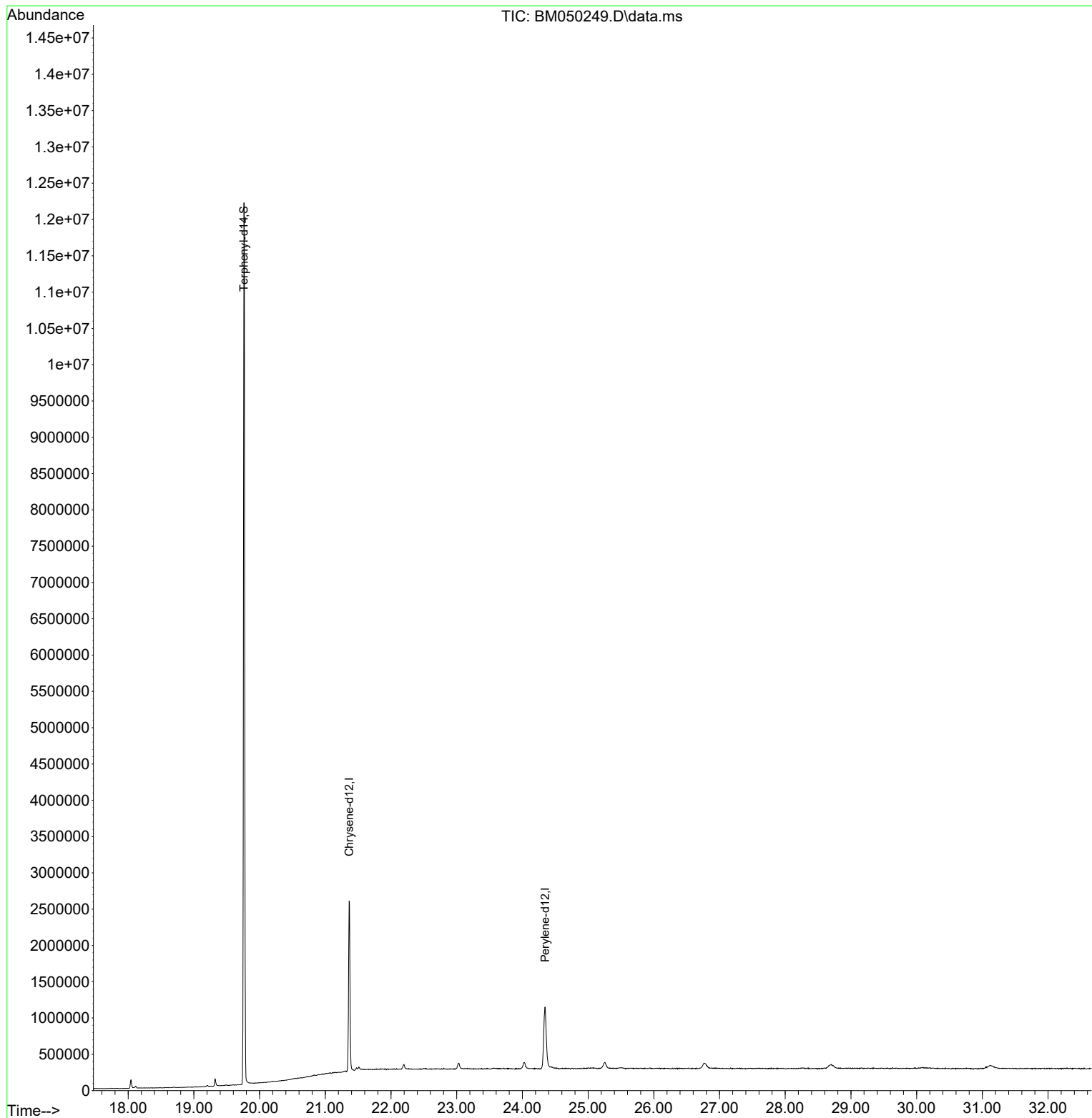
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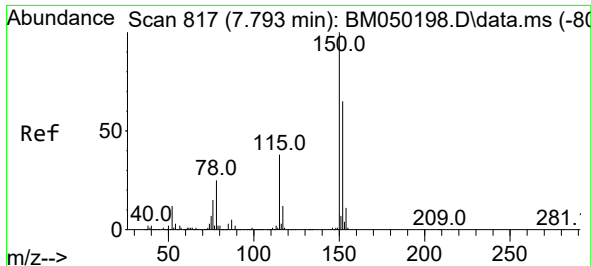


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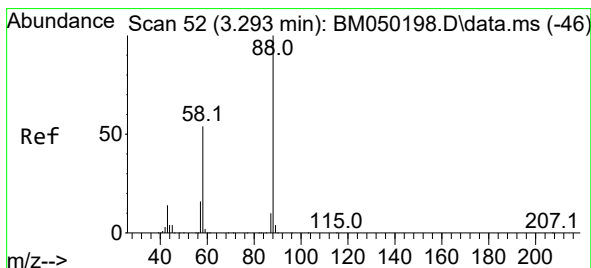
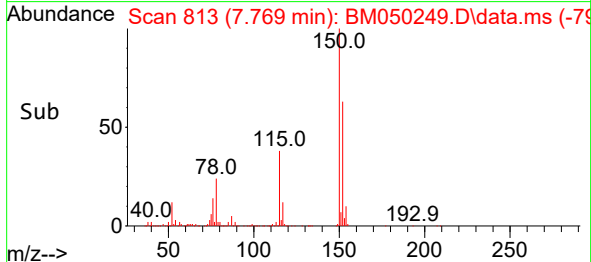
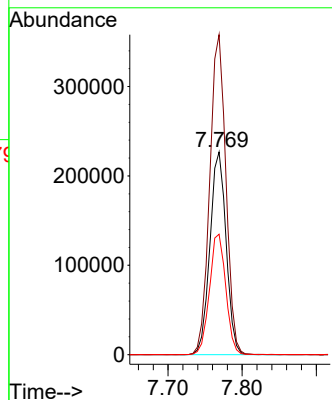
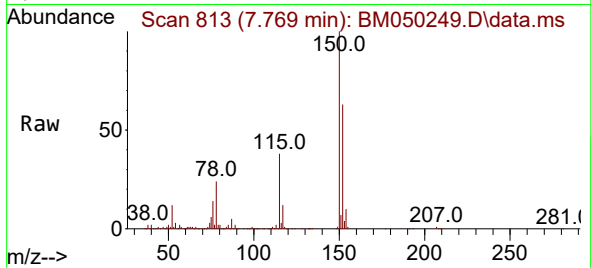




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.769 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BM050249.D
 Acq: 09 Jun 2025 19:40

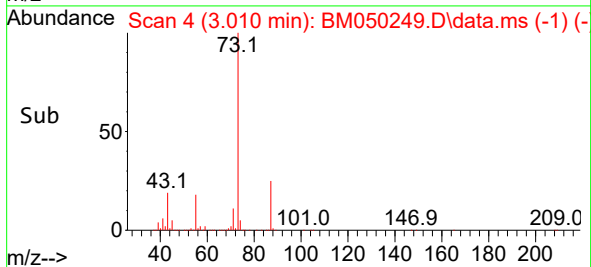
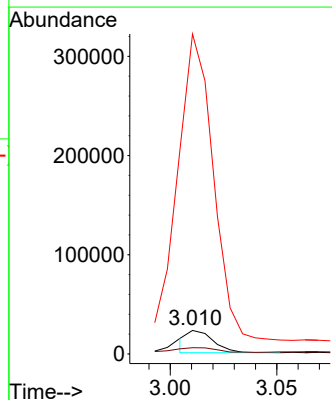
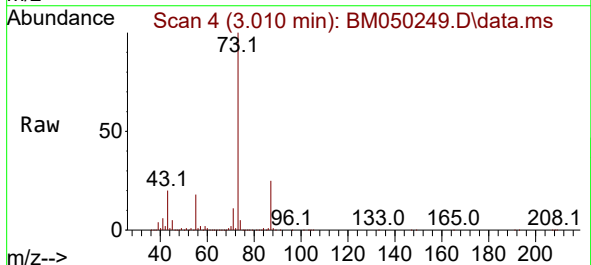
Instrument :
 BNA_M
 ClientSampleId :

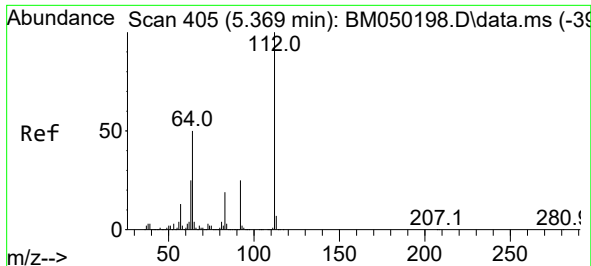
Tgt Ion:152 Resp: 344656
 Ion Ratio Lower Upper
 152 100
 150 157.9 122.2 183.4
 115 59.4 46.3 69.5



#2
 1,4-Dioxane
 Concen: 2.089 ng
 RT: 3.010 min Scan# 4
 Delta R.T. -0.271 min
 Lab File: BM050249.D
 Acq: 09 Jun 2025 19:40

Tgt Ion: 88 Resp: 18916
 Ion Ratio Lower Upper
 88 100
 58 22.8 42.9 64.3#
 43 1378.9 11.0 16.6#

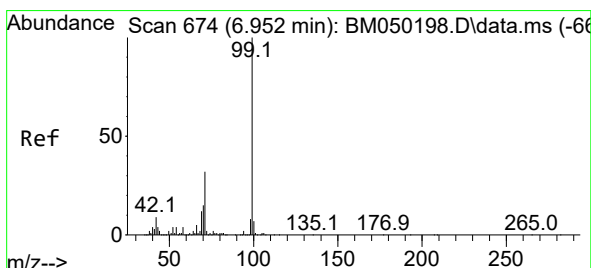
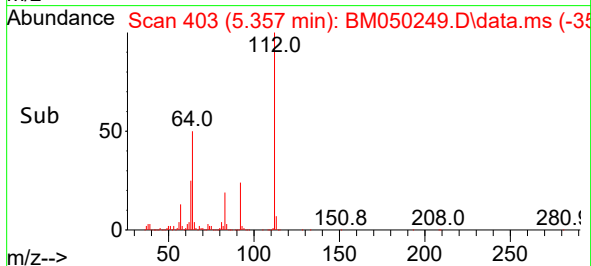
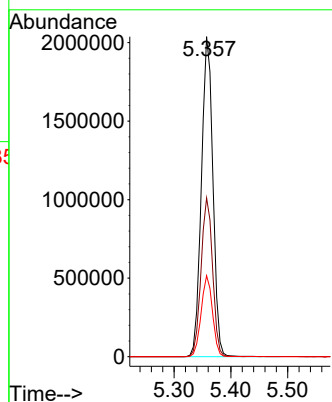
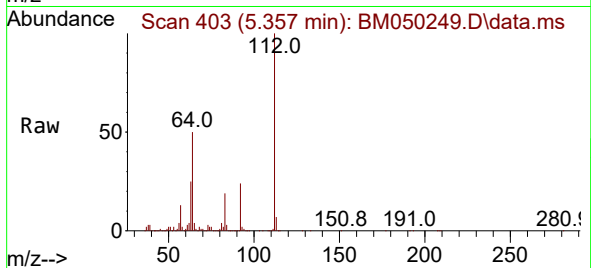




#5
2-Fluorophenol
Concen: 138.907 ng
RT: 5.357 min Scan# 405
Delta R.T. -0.000 min
Lab File: BM050249.D
Acq: 09 Jun 2025 19:40

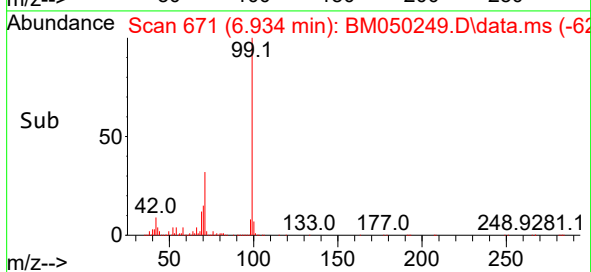
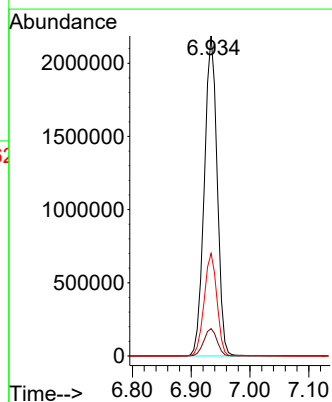
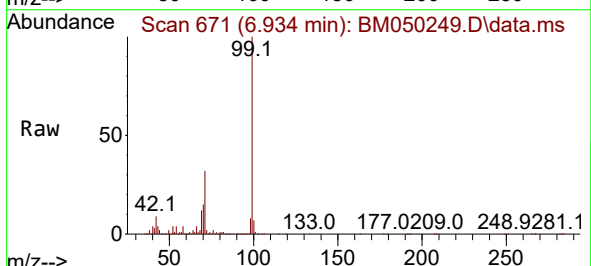
Instrument :
BNA_M
ClientSampleId :

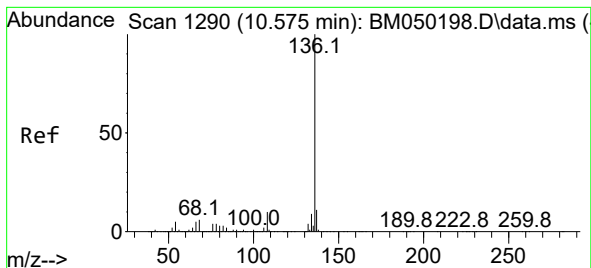
Tgt Ion:112 Resp: 2869963
Ion Ratio Lower Upper
112 100
64 49.6 39.8 59.6
63 25.3 19.8 29.8



#7
Phenol-d6
Concen: 122.209 ng
RT: 6.934 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM050249.D
Acq: 09 Jun 2025 19:40

Tgt Ion: 99 Resp: 3323871
Ion Ratio Lower Upper
99 100
42 8.5 6.9 10.3
71 32.0 25.3 37.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.557 min Scan# 11

Delta R.T. 0.000 min

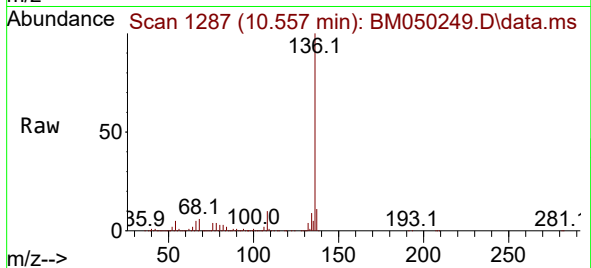
Lab File: BM050249.D

Acq: 09 Jun 2025 19:40

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:136 Resp: 1293755

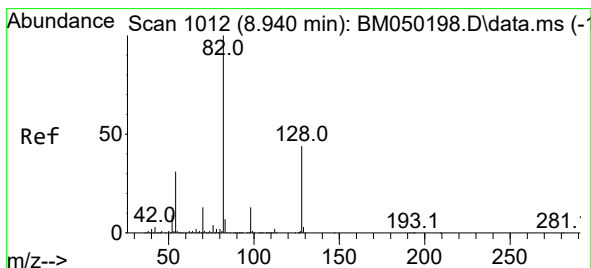
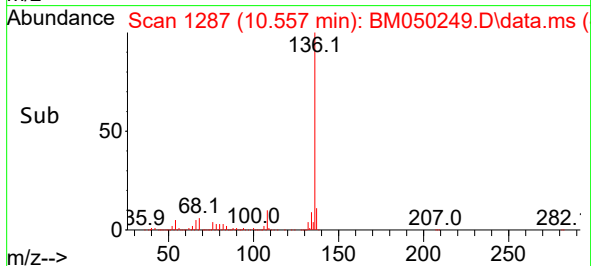
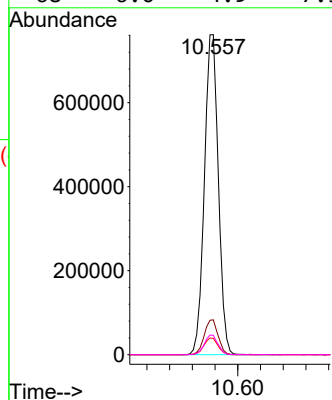
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 5.1 3.8 5.8

68 6.0 4.9 7.3



#23

Nitrobenzene-d5

Concen: 91.337 ng

RT: 8.916 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BM050249.D

Acq: 09 Jun 2025 19:40

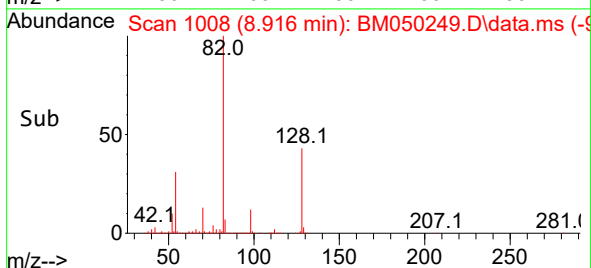
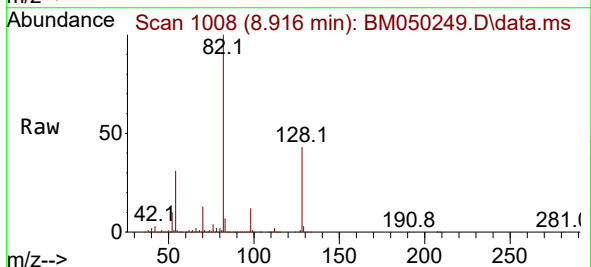
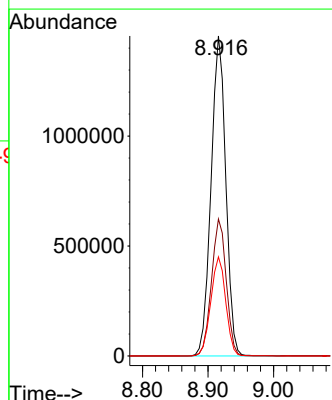
Tgt Ion: 82 Resp: 2272103

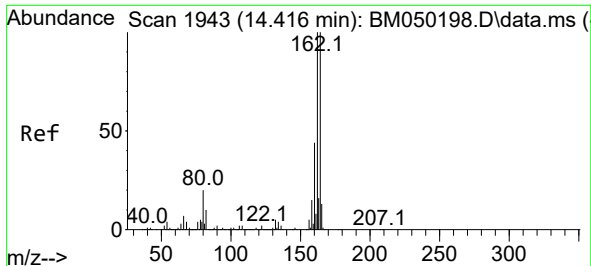
Ion Ratio Lower Upper

82 100

128 42.8 35.2 52.8

54 31.0 24.5 36.7

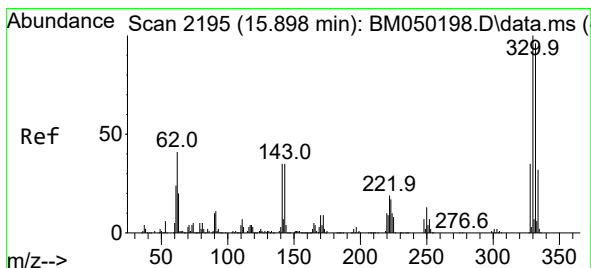
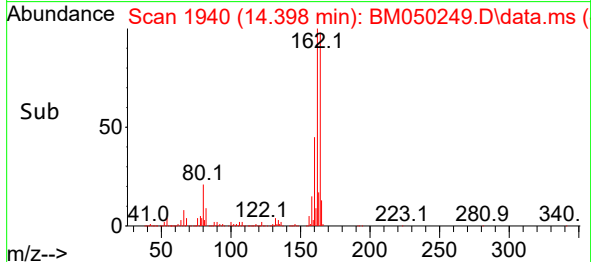
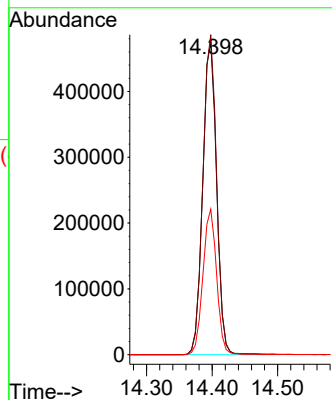
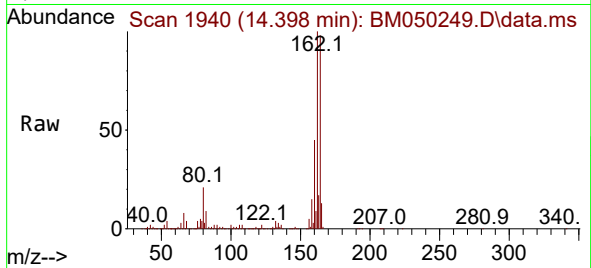




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BM050249.D
Acq: 09 Jun 2025 19:40

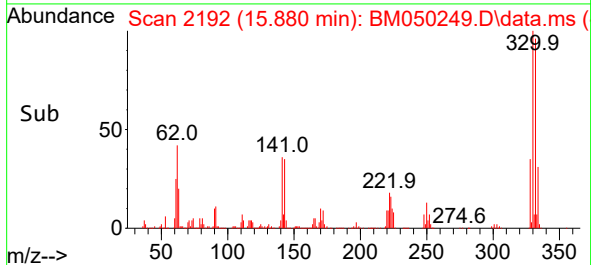
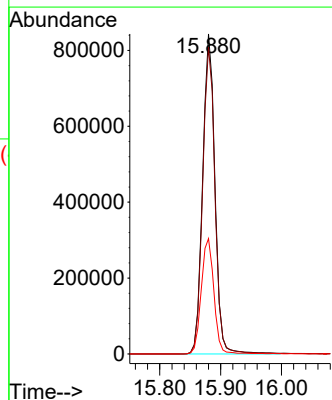
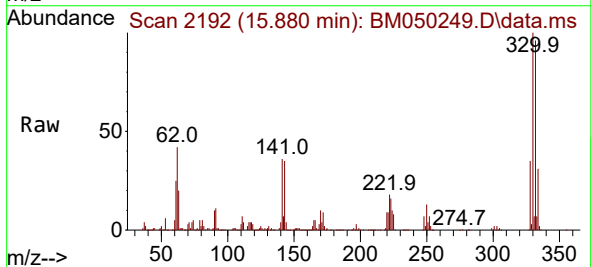
Instrument :
BNA_M
ClientSampleId :

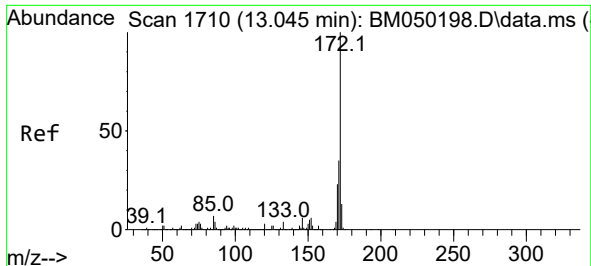
Tgt Ion:164 Resp: 699023
Ion Ratio Lower Upper
164 100
162 102.5 80.2 120.4
160 46.7 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 148.444 ng
RT: 15.880 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BM050249.D
Acq: 09 Jun 2025 19:40

Tgt Ion:330 Resp: 1180262
Ion Ratio Lower Upper
330 100
332 96.7 77.5 116.3
141 37.1 28.8 43.2

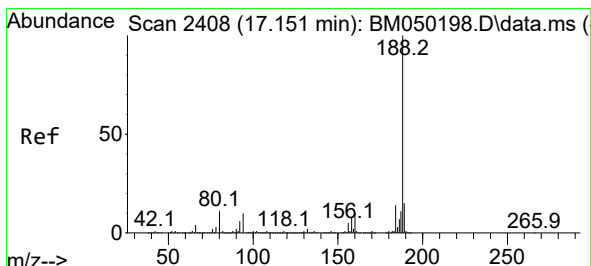
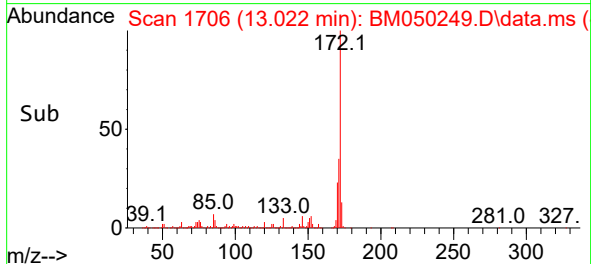
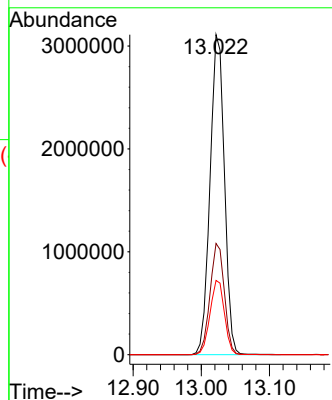
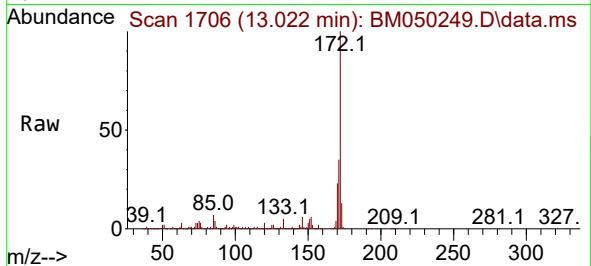




#45
2-Fluorobiphenyl
Concen: 88.504 ng
RT: 13.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050249.D
Acq: 09 Jun 2025 19:40

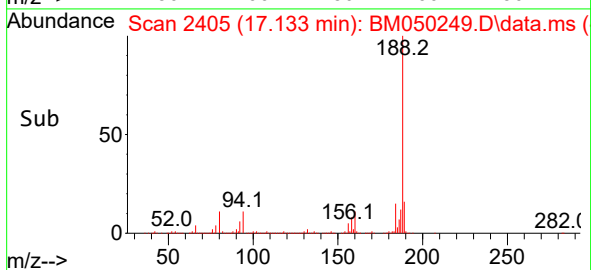
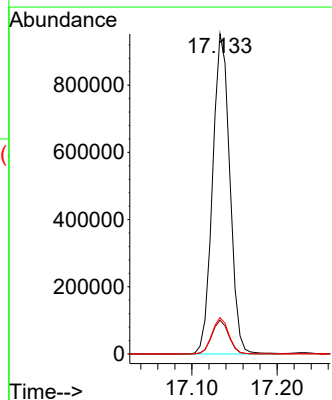
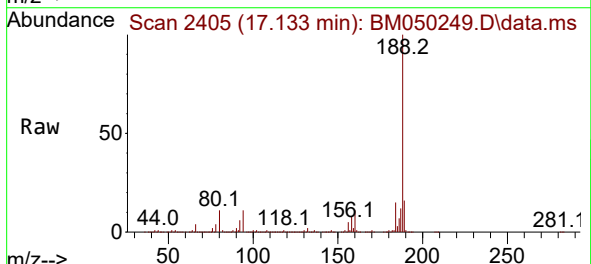
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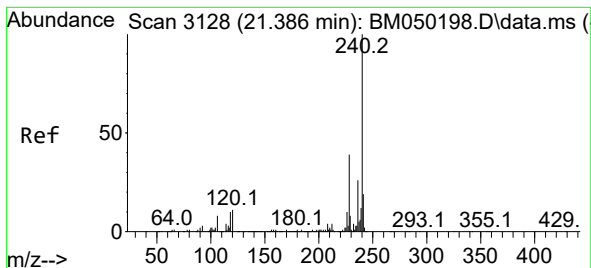
Tgt Ion:172 Resp: 4569653
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 23.2 18.6 27.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.133 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BM050249.D
Acq: 09 Jun 2025 19:40

Tgt Ion:188 Resp: 1337378
Ion Ratio Lower Upper
188 100
94 10.6 8.1 12.1
80 11.4 8.6 13.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.362 min Scan# 3124

Delta R.T. -0.012 min

Lab File: BM050249.D

Acq: 09 Jun 2025 19:40

Instrument :

BNA_M

ClientSampleId :

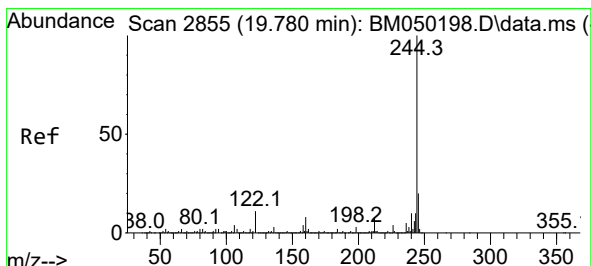
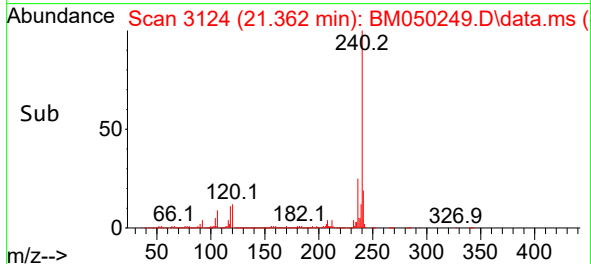
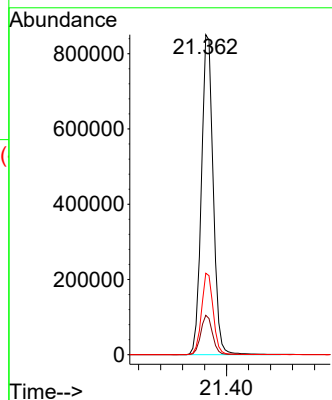
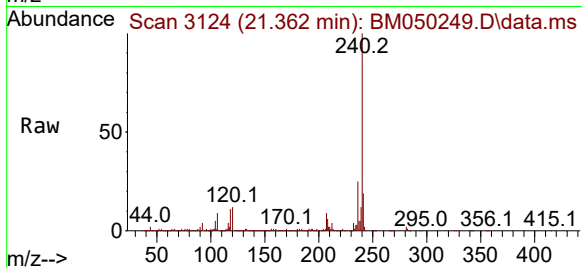
Tgt Ion:240 Resp: 1265522

Ion Ratio Lower Upper

240 100

120 12.3 9.0 13.4

236 25.4 20.7 31.1



#79

Terphenyl-d14

Concen: 86.349 ng

RT: 19.762 min Scan# 2852

Delta R.T. -0.006 min

Lab File: BM050249.D

Acq: 09 Jun 2025 19:40

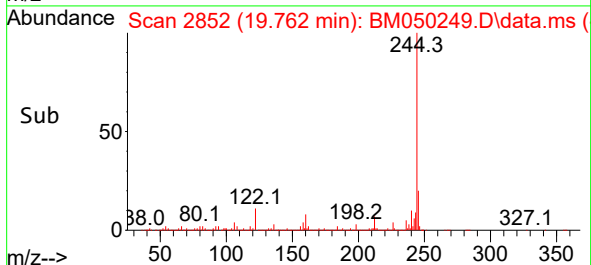
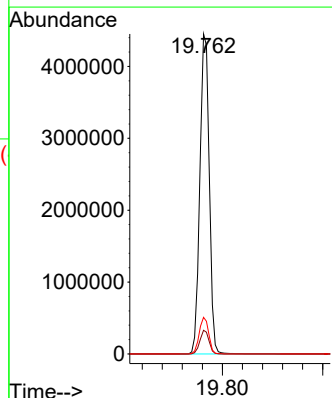
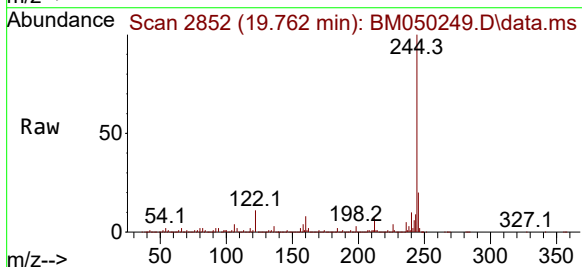
Tgt Ion:244 Resp: 5766516

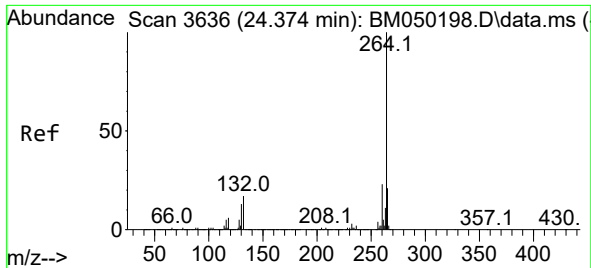
Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

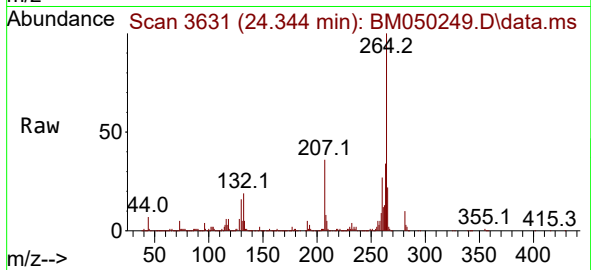
122 11.5 8.6 12.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.344 min Scan# 30
Delta R.T. 0.000 min
Lab File: BM050249.D
Acq: 09 Jun 2025 19:40

Instrument :
BNA_M
ClientSampleId :



Tgt Ion:264 Resp: 635863
Ion Ratio Lower Upper
264 100
260 27.4 18.6 28.0
265 21.5 16.8 25.2

