

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050825\
 Data File : BM050149.D
 Acq On : 08 May 2025 16:39
 Operator : RC/JU
 Sample : Q1968-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MH-N

Quant Time: May 08 17:20:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 08 12:03:21 2025
 Response via : Initial Calibration

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

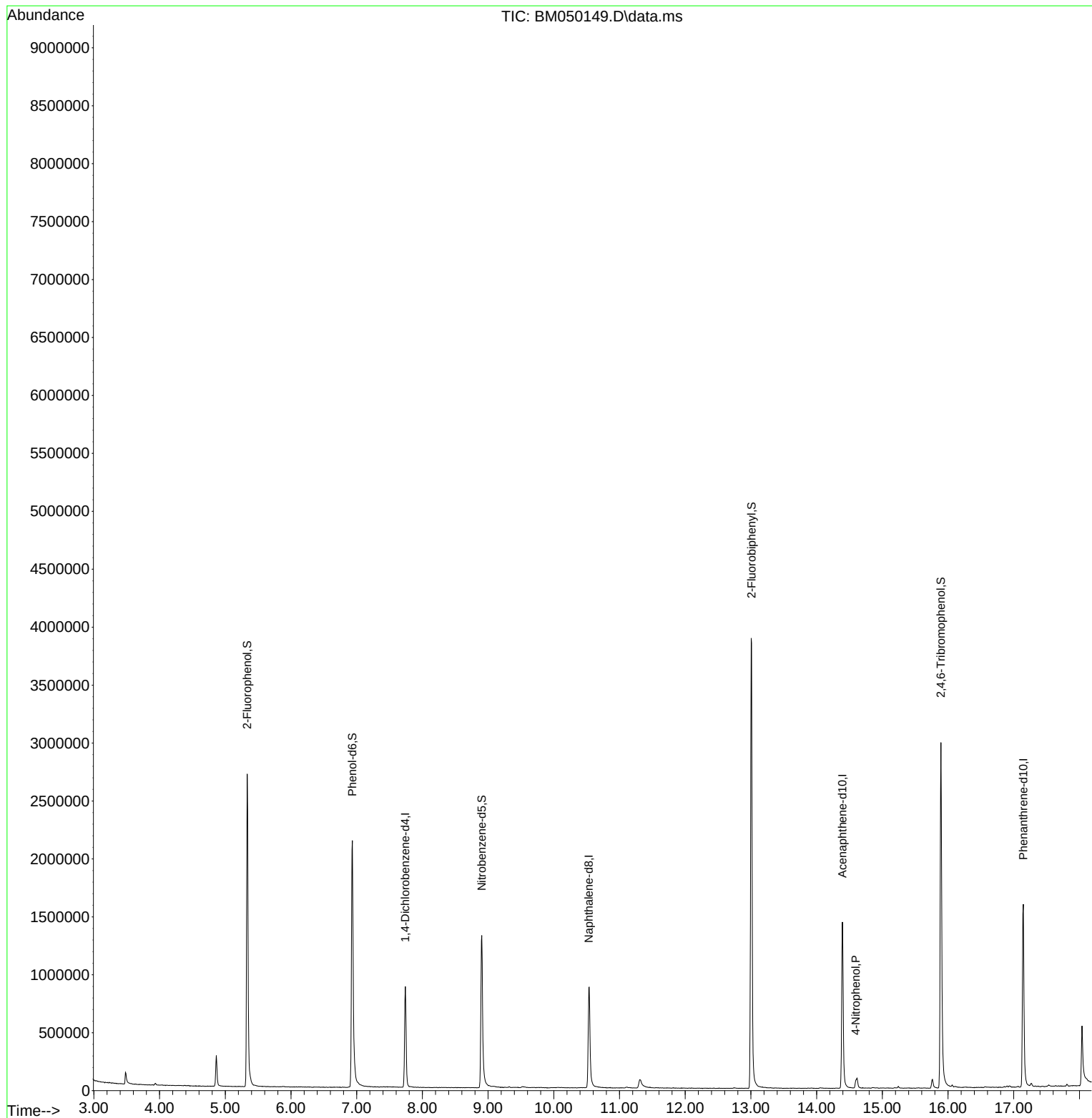
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	262278	20.000	ng	-0.03
21) Naphthalene-d8	10.534	136	911170	20.000	ng	-0.03
39) Acenaphthene-d10	14.392	164	590795	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	1149461	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	1103501	20.000	ng	-0.01
86) Perylene-d12	24.380	264	1175118	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1298845	86.716	ng	-0.02
7) Phenol-d6	6.934	99	1588425	84.376	ng	-0.02
23) Nitrobenzene-d5	8.904	82	943621	51.031	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	726259	83.137	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2413108	48.319	ng	-0.02
79) Terphenyl-d14	19.762	244	3728044	49.991	ng	-0.02
Target Compounds						
56) 4-Nitrophenol	14.598	139	84	4.545	ng	Qvalue # 5

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

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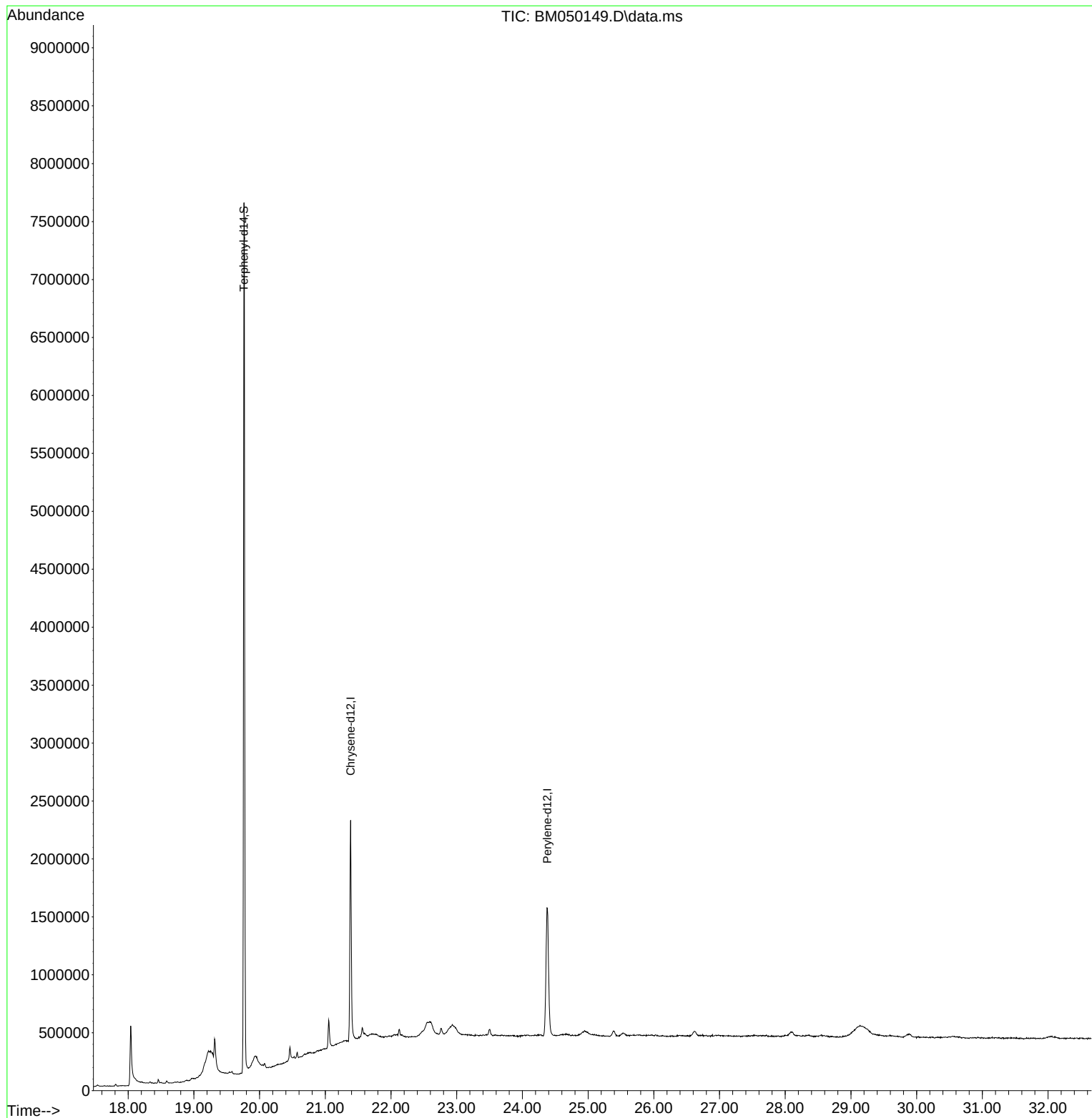
Quant Time: May 08 17:20:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
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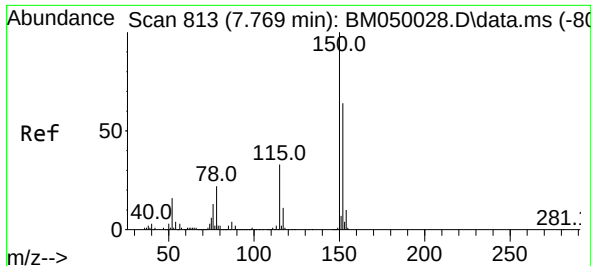


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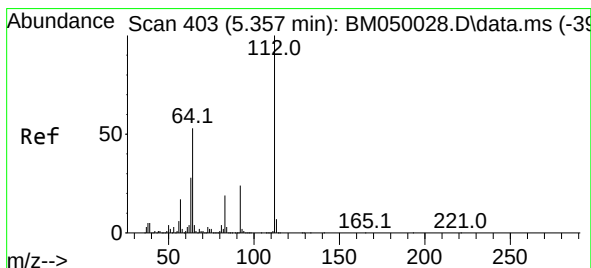
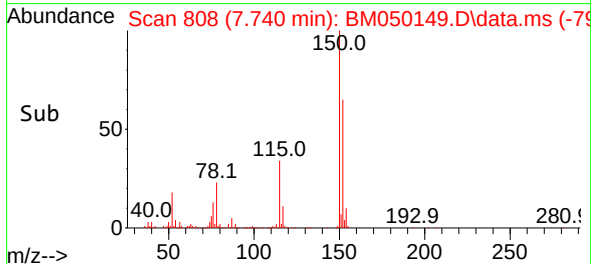
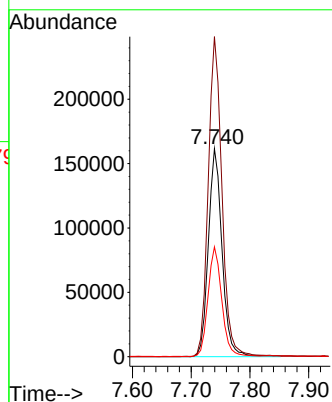
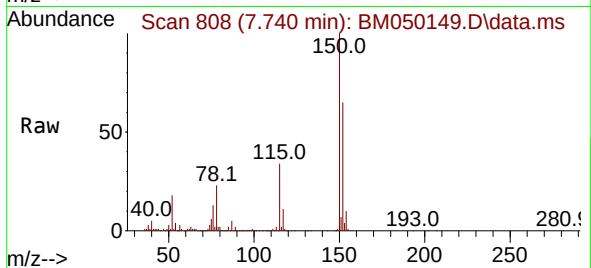




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 808
Delta R.T. -0.029 min
Lab File: BM050149.D
Acq: 08 May 2025 16:39

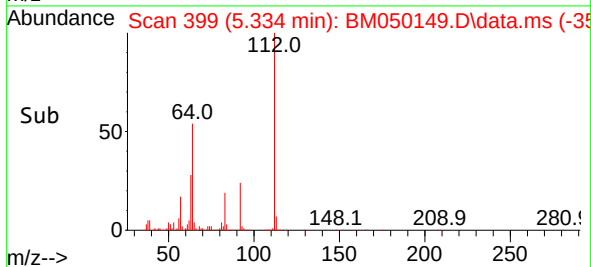
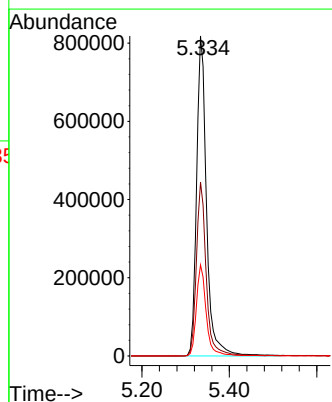
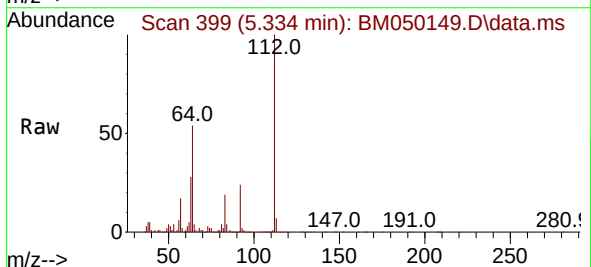
Instrument :
BNA_M
ClientSampleId :
MH-N

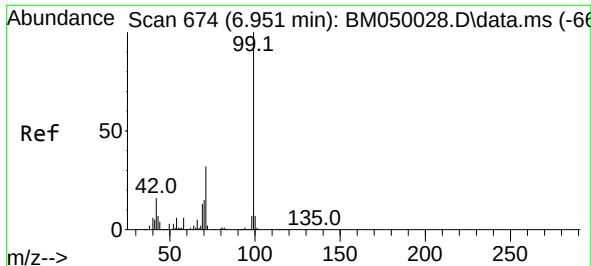
Tgt Ion:152 Resp: 262278
Ion Ratio Lower Upper
152 100
150 153.9 124.1 186.1
115 52.8 41.2 61.8



#5
2-Fluorophenol
Concen: 86.716 ng
RT: 5.334 min Scan# 399
Delta R.T. -0.023 min
Lab File: BM050149.D
Acq: 08 May 2025 16:39

Tgt Ion:112 Resp: 1298845
Ion Ratio Lower Upper
112 100
64 54.4 42.6 64.0
63 28.5 22.2 33.4

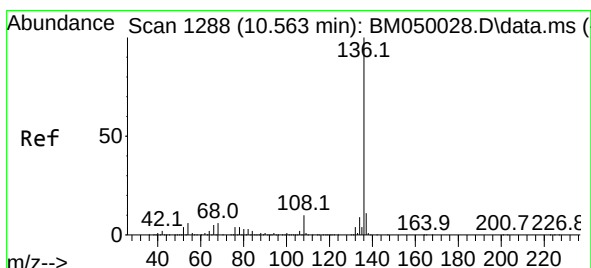
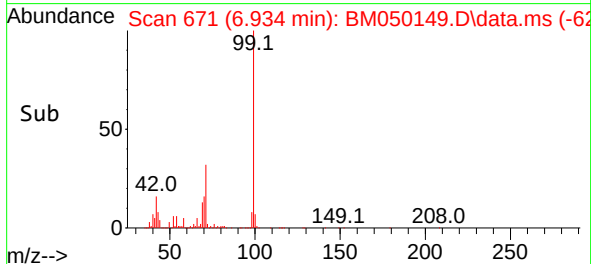
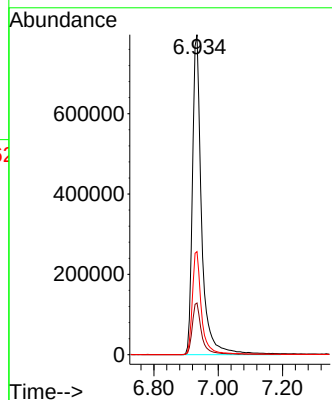
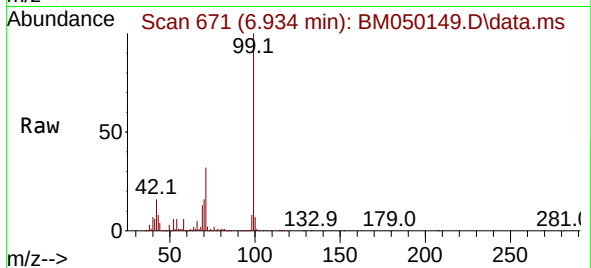




#7
Phenol-d6
Concen: 84.376 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050149.D
Acq: 08 May 2025 16:39

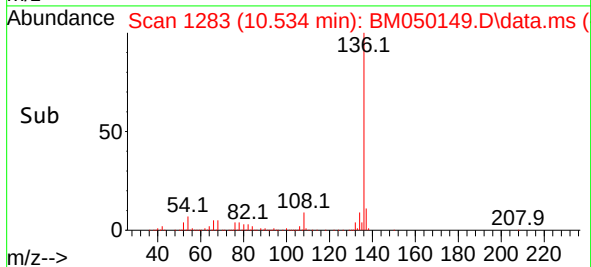
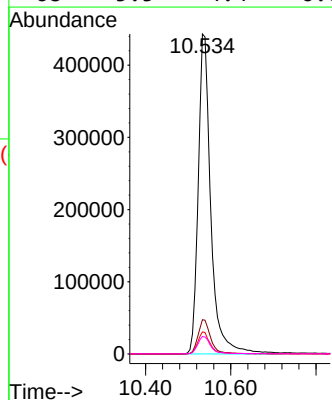
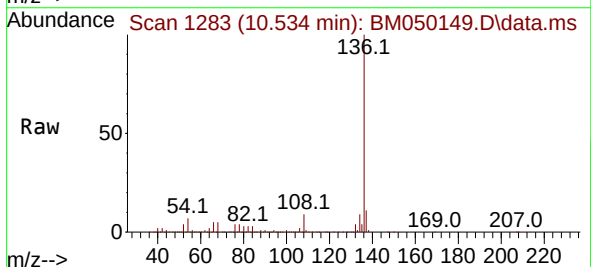
Instrument :
BNA_M
ClientSampleId :
MH-N

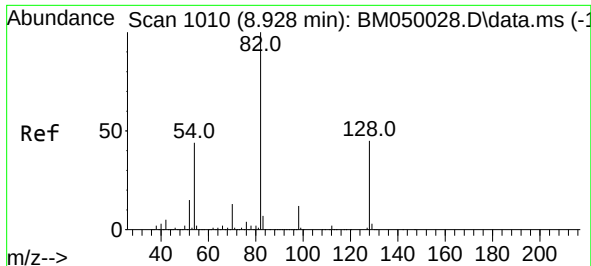
Tgt Ion: 99 Resp: 1588425
Ion Ratio Lower Upper
99 100
42 16.2 13.0 19.4
71 32.2 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1283
Delta R.T. -0.029 min
Lab File: BM050149.D
Acq: 08 May 2025 16:39

Tgt Ion: 136 Resp: 911170
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 6.9 5.1 7.7
68 5.5 4.4 6.6

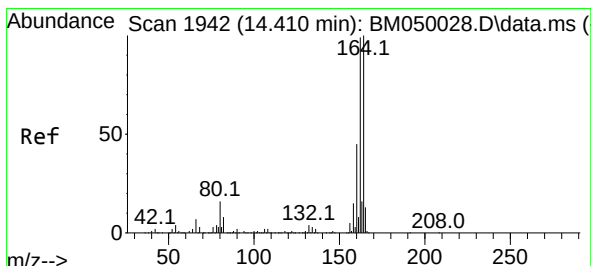
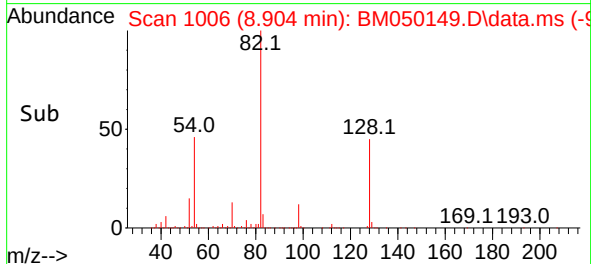
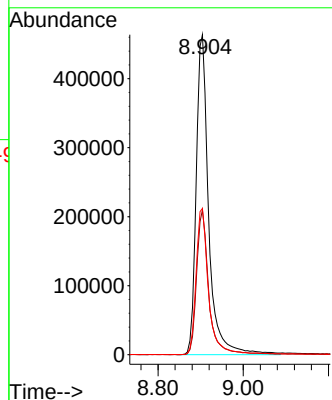
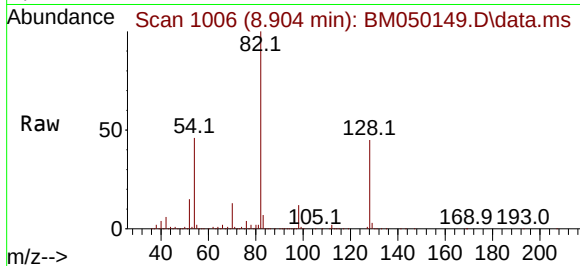




#23
Nitrobenzene-d5
Concen: 51.031 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.023 min
Lab File: BM050149.D
Acq: 08 May 2025 16:39

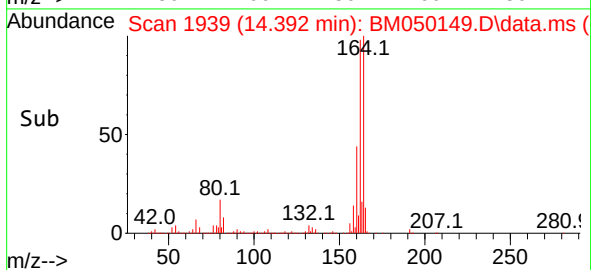
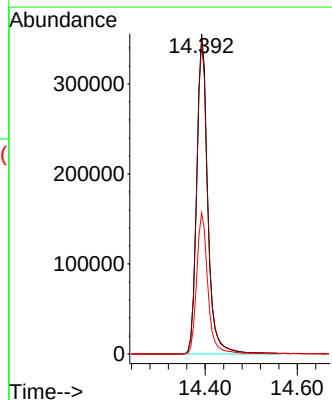
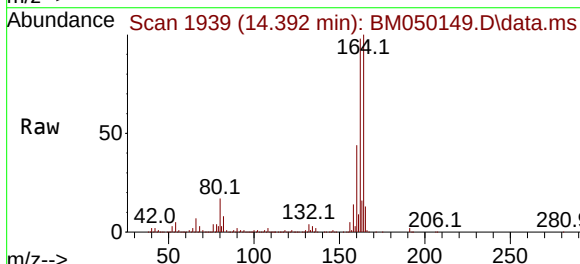
Instrument :
BNA_M
ClientSampleId :
MH-N

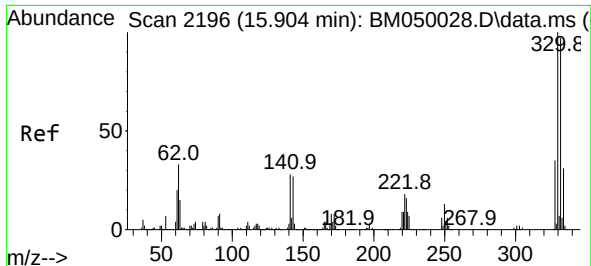
Tgt Ion: 82 Resp: 943621
Ion Ratio Lower Upper
82 100
128 45.3 35.7 53.5
54 45.7 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050149.D
Acq: 08 May 2025 16:39

Tgt Ion: 164 Resp: 590795
Ion Ratio Lower Upper
164 100
162 97.7 79.4 119.0
160 44.1 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 83.137 ng

RT: 15.892 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050149.D

Acq: 08 May 2025 16:39

Instrument :

BNA_M

ClientSampleId :

MH-N

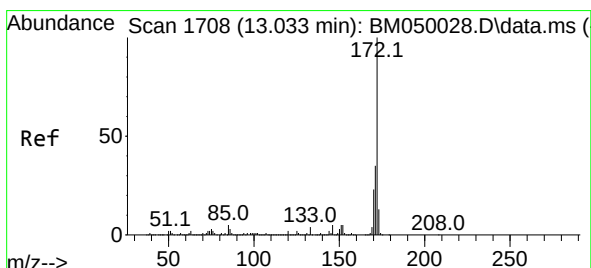
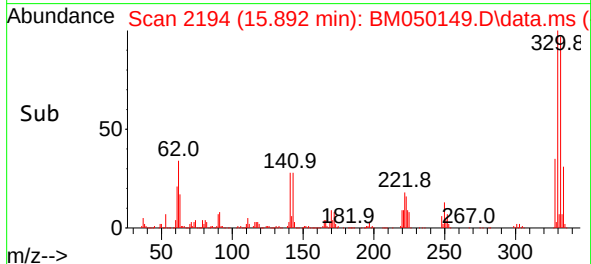
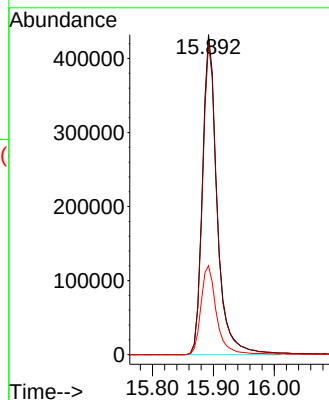
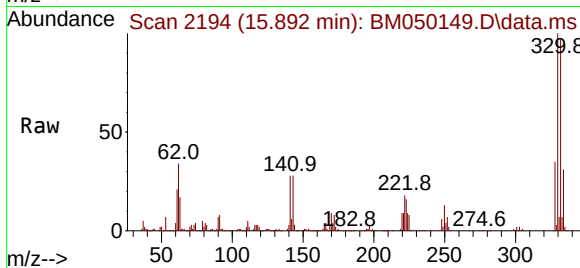
Tgt Ion:330 Resp: 726259

Ion Ratio Lower Upper

330 100

332 98.2 77.3 115.9

141 29.7 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 48.319 ng

RT: 13.010 min Scan# 1704

Delta R.T. -0.023 min

Lab File: BM050149.D

Acq: 08 May 2025 16:39

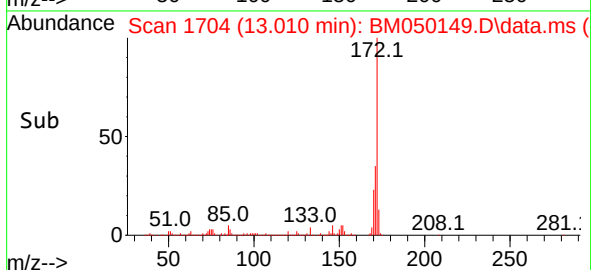
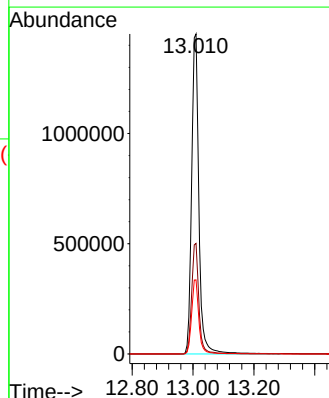
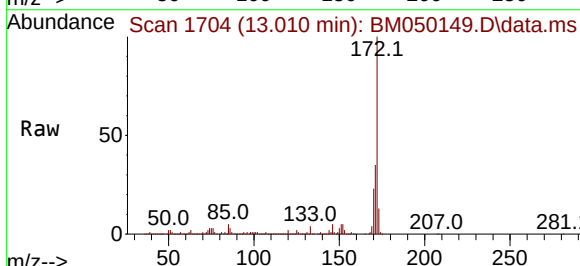
Tgt Ion:172 Resp: 2413108

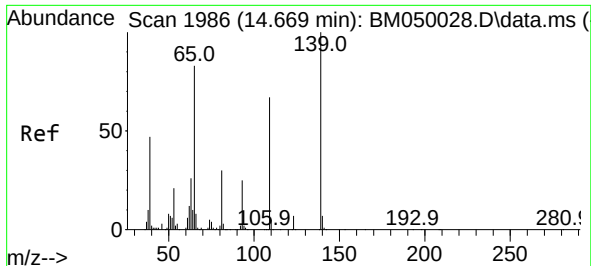
Ion Ratio Lower Upper

172 100

171 34.6 27.8 41.6

170 23.2 18.6 28.0

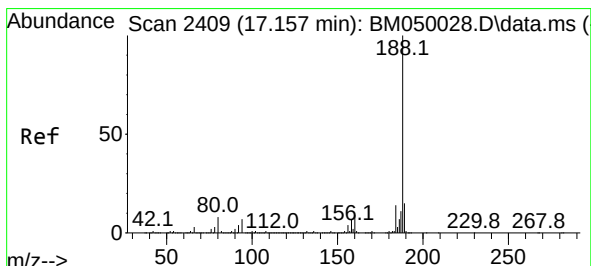
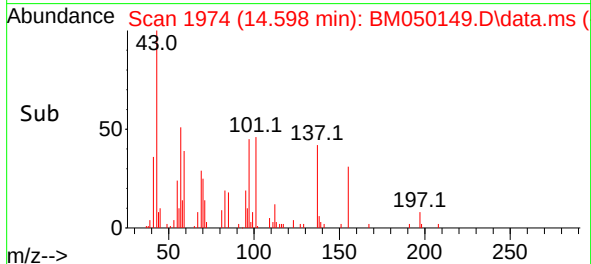
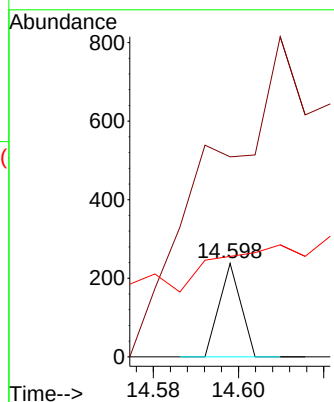
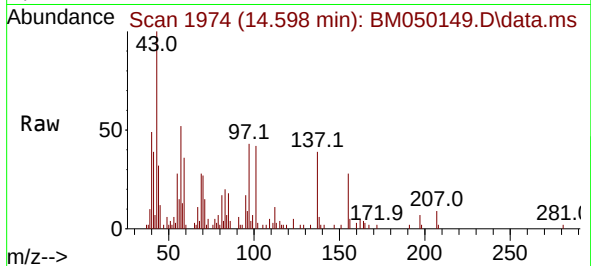




#56
4-Nitrophenol
Concen: 4.545 ng
RT: 14.598 min Scan# 1986
Delta R.T. -0.071 min
Lab File: BM050149.D
Acq: 08 May 2025 16:39

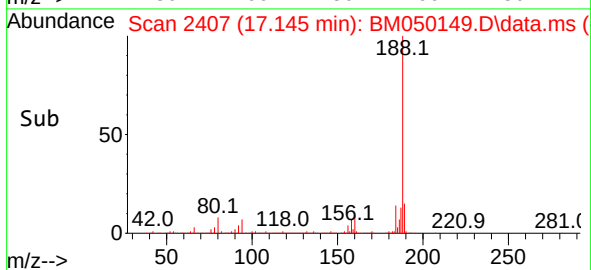
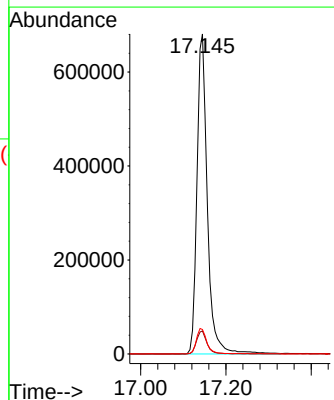
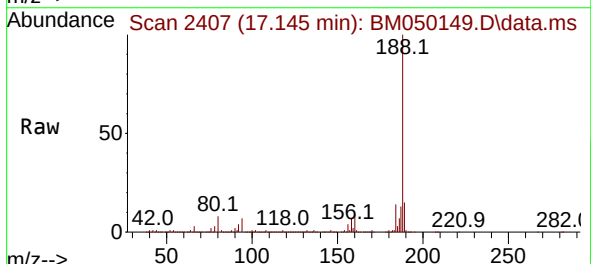
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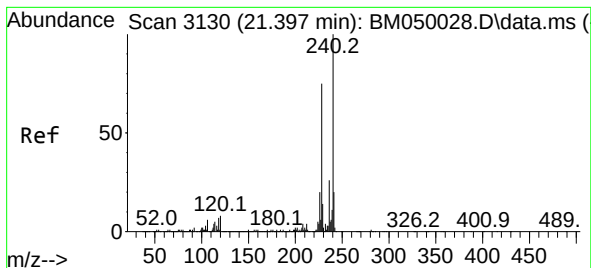
Tgt Ion:139 Resp: 84
Ion Ratio Lower Upper
139 100
109 213.9 47.0 87.0#
65 107.6 64.3 104.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM050149.D
Acq: 08 May 2025 16:39

Tgt Ion:188 Resp: 1149461
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 7.7 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: BM050149.D

Acq: 08 May 2025 16:39

Instrument :

BNA_M

ClientSampleId :

MH-N

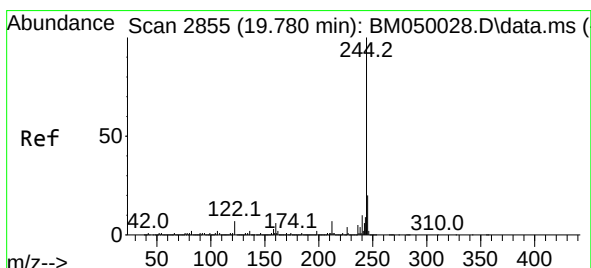
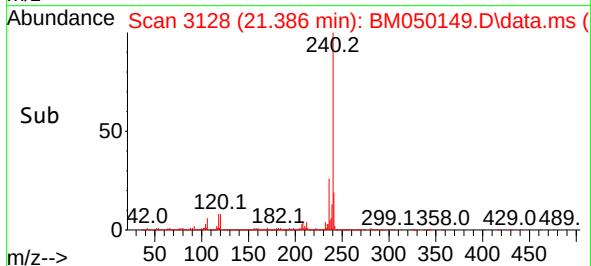
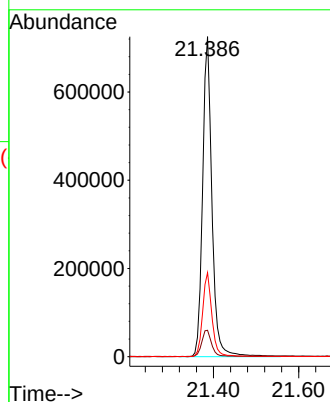
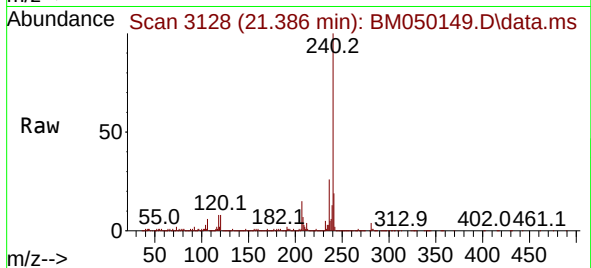
Tgt Ion:240 Resp: 1103501

Ion Ratio Lower Upper

240 100

120 8.3 6.5 9.7

236 26.2 20.9 31.3



#79

Terphenyl-d14

Concen: 49.991 ng

RT: 19.762 min Scan# 2852

Delta R.T. -0.018 min

Lab File: BM050149.D

Acq: 08 May 2025 16:39

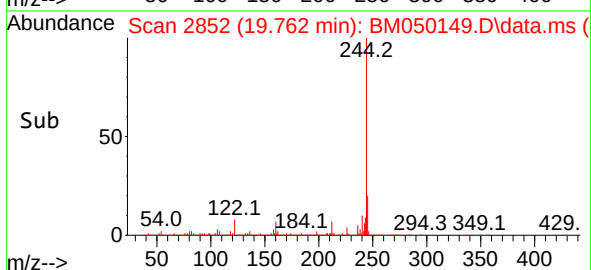
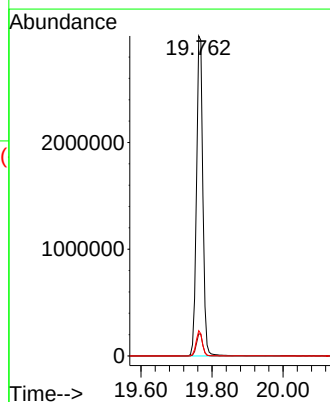
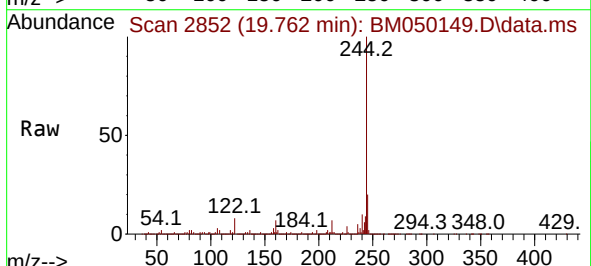
Tgt Ion:244 Resp: 3728044

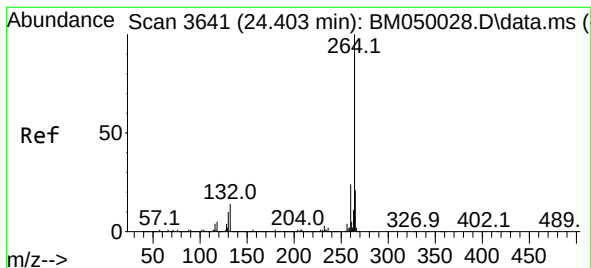
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 7.9 5.6 8.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.380 min Scan# 30

Delta R.T. -0.023 min

Lab File: BM050149.D

Acq: 08 May 2025 16:39

Instrument :

BNA_M

ClientSampleId :

MH-N

Tgt Ion:264 Resp: 1175118

Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

265 22.0 17.0 25.4

