

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050100.D
 Acq On : 05 May 2025 15:42
 Operator : RC/JU
 Sample : Q1937-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LARGE-PILE-C

Quant Time: May 05 16:19:22 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)

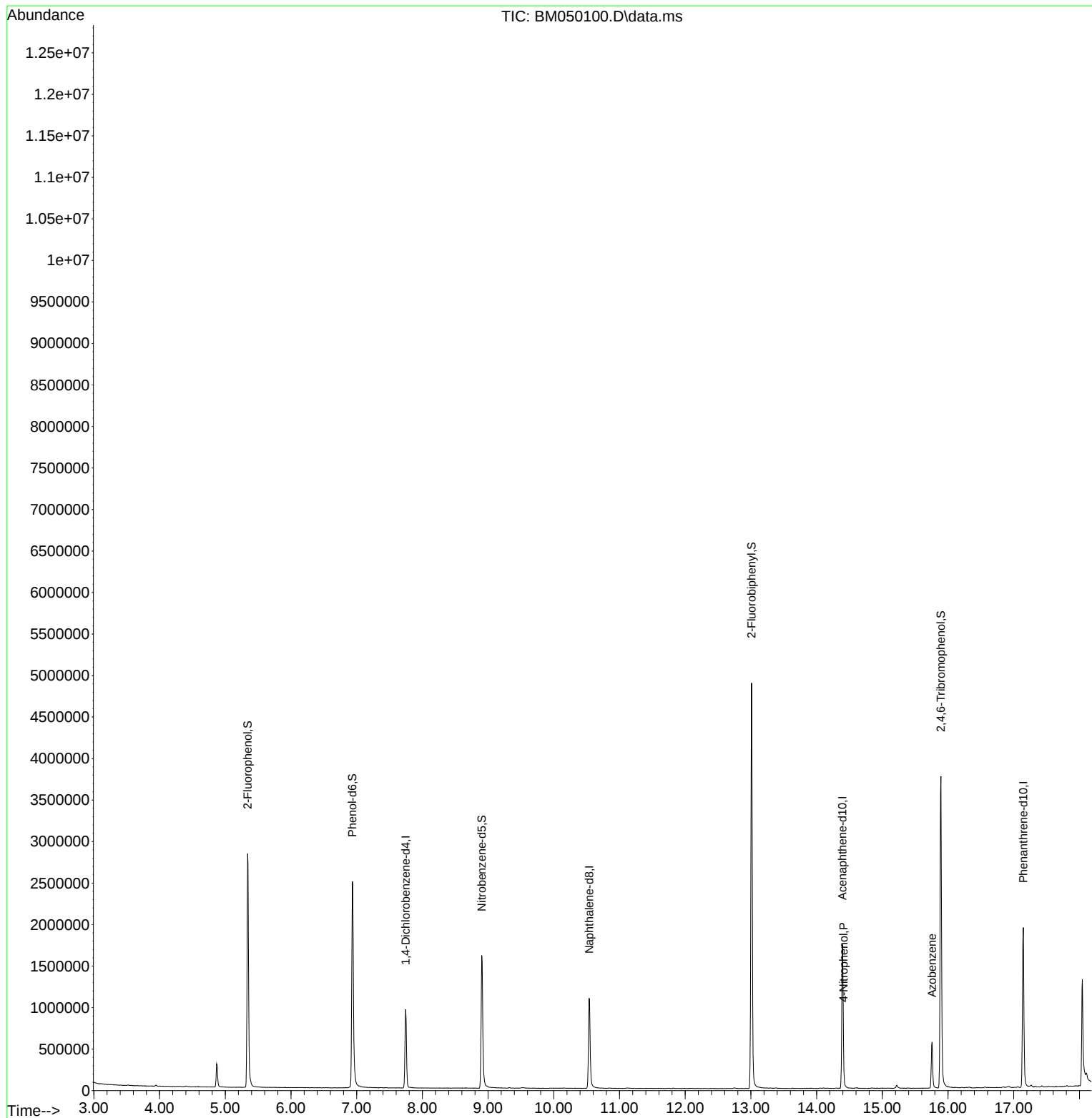
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	281956	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1017209	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	672574	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	1282772	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	1164216	20.000	ng	-0.01
86) Perylene-d12	24.380	264	1189202	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1406235	87.334	ng	-0.02
7) Phenol-d6	6.934	99	1742578	86.104	ng	-0.02
23) Nitrobenzene-d5	8.904	82	1059560	51.328	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	866866	87.167	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2820673	49.613	ng	-0.02
79) Terphenyl-d14	19.768	244	4712055	59.891	ng	-0.01
Target Compounds						
56) 4-Nitrophenol	14.410	139	63	4.541	ng	# 1
63) Azobenzene	15.757	77	162415	4.184	ng	# 1

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

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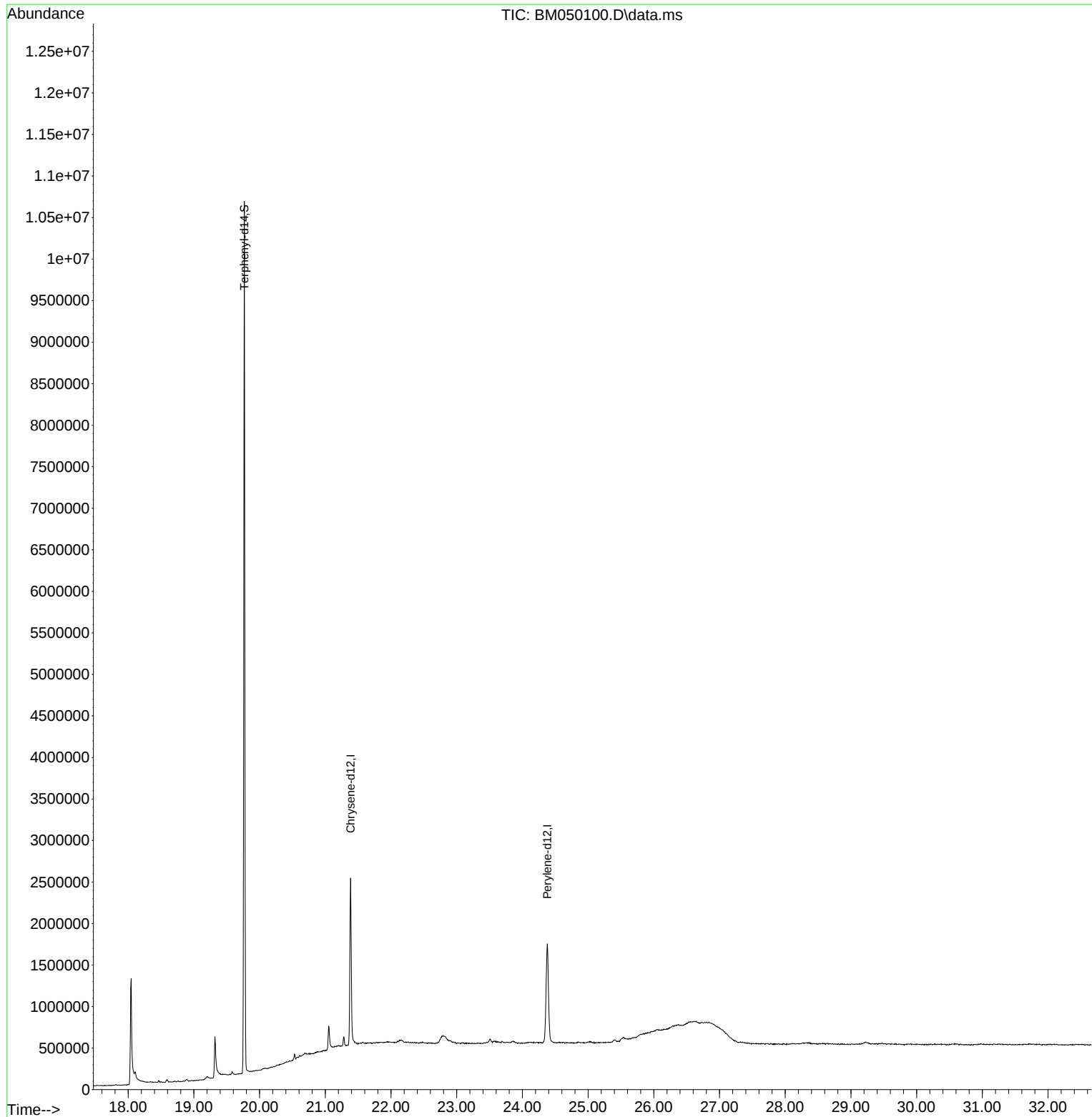
Quant Time: May 05 16:19:22 2025
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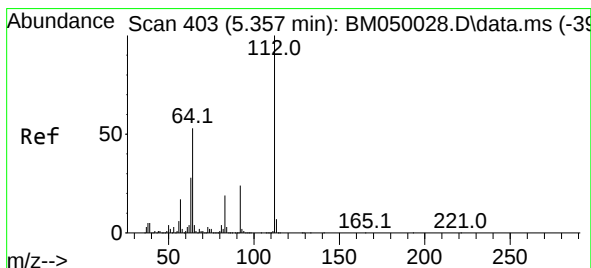
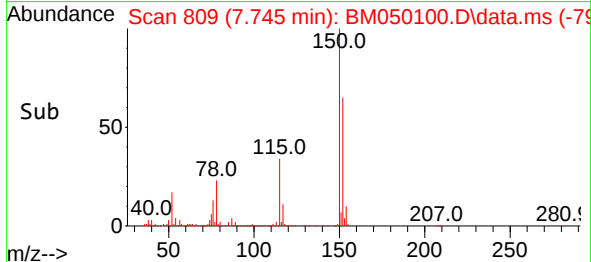
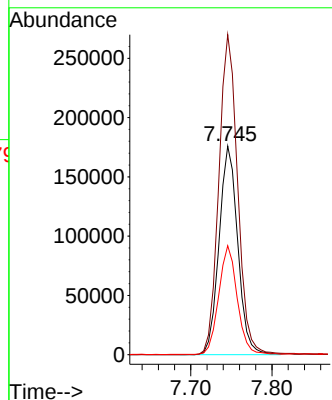
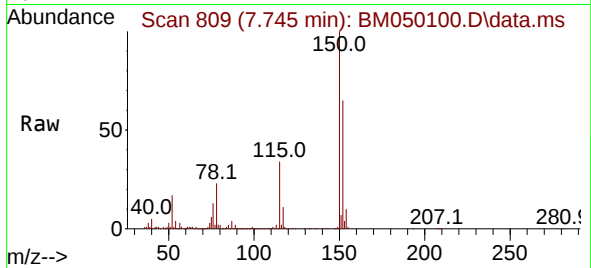




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050100.D
Acq: 05 May 2025 15:42

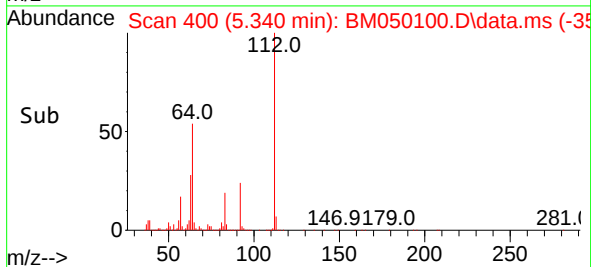
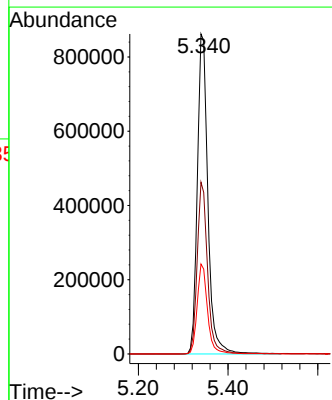
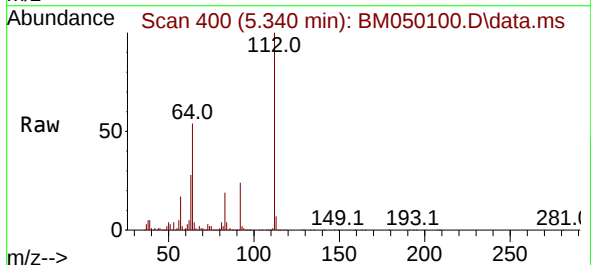
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-C

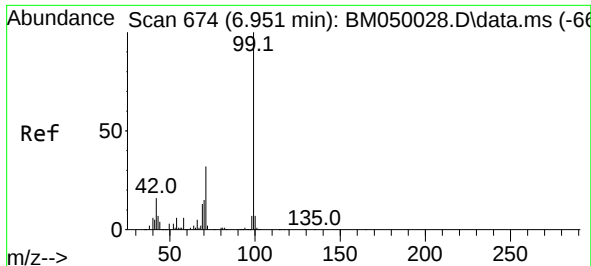
Tgt Ion:152 Resp: 281956
Ion Ratio Lower Upper
152 100
150 153.4 124.1 186.1
115 52.2 41.2 61.8



#5
2-Fluorophenol
Concen: 87.334 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050100.D
Acq: 05 May 2025 15:42

Tgt Ion:112 Resp: 1406235
Ion Ratio Lower Upper
112 100
64 53.7 42.6 64.0
63 28.1 22.2 33.4

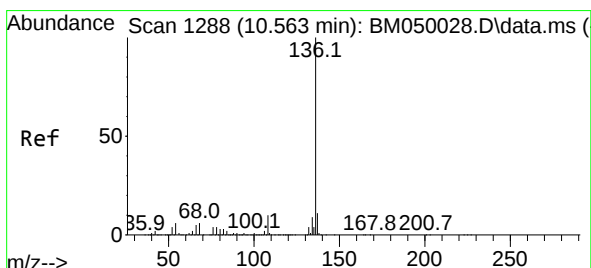
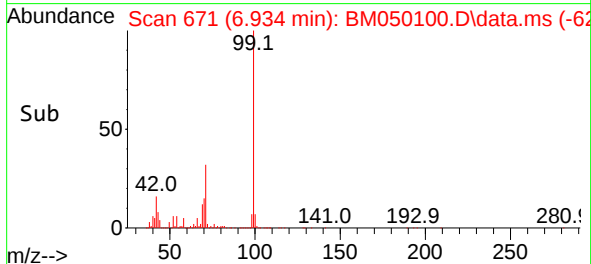
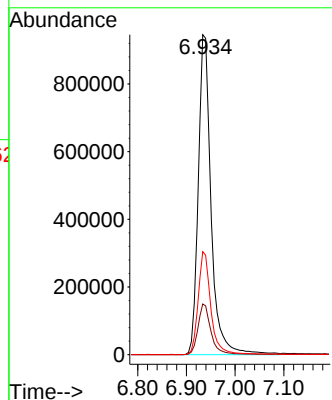
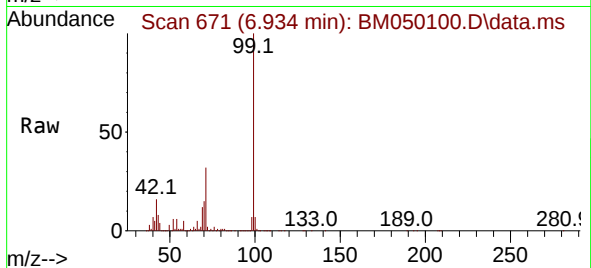




#7
Phenol-d6
Concen: 86.104 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050100.D
Acq: 05 May 2025 15:42

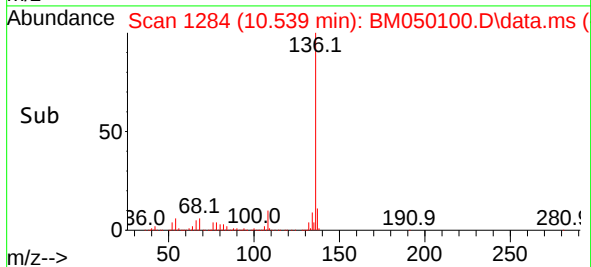
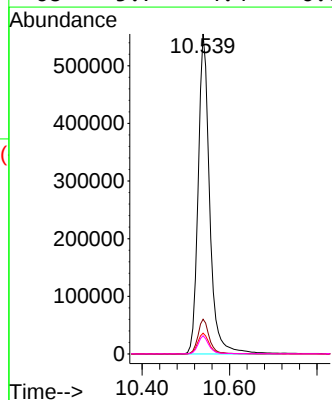
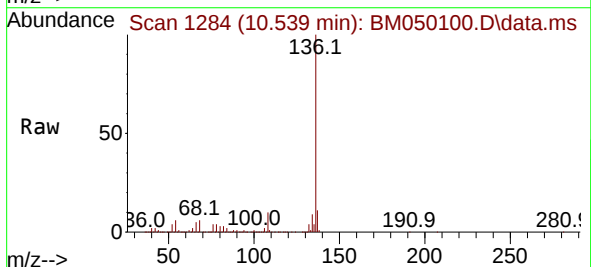
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-C

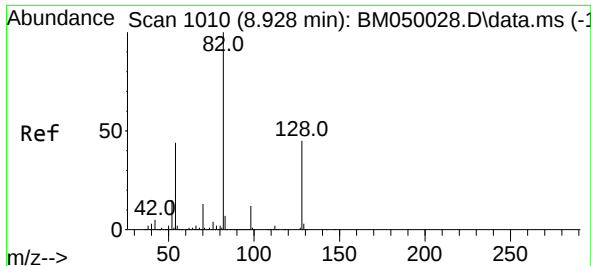
Tgt Ion: 99 Resp: 1742578
Ion Ratio Lower Upper
99 100
42 15.9 13.0 19.4
71 32.2 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050100.D
Acq: 05 May 2025 15:42

Tgt Ion: 136 Resp: 1017209
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.5 5.1 7.7
68 5.7 4.4 6.6





#23

Nitrobenzene-d5

Concen: 51.328 ng

RT: 8.904 min Scan# 1006

Delta R.T. -0.024 min

Lab File: BM050100.D

Acq: 05 May 2025 15:42

Instrument :

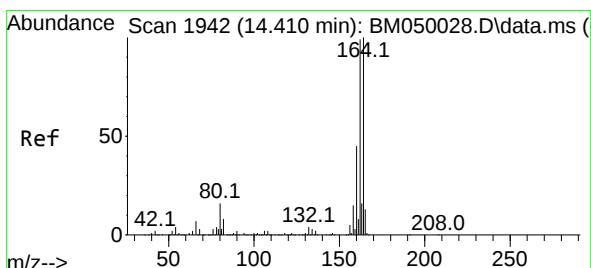
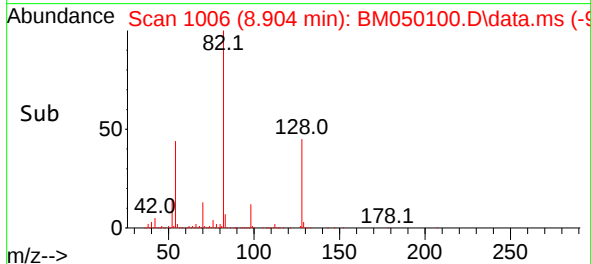
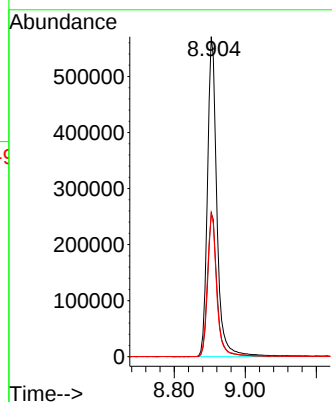
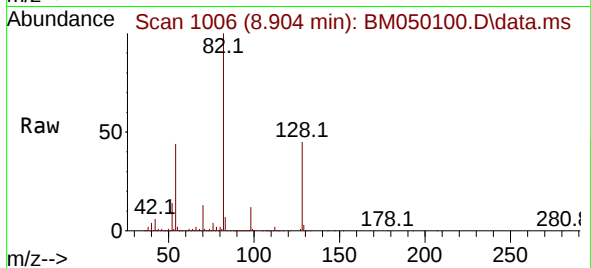
BNA_M

ClientSampleId :

LARGE-PILE-C

Tgt Ion: 82 Resp: 1059560

Ion	Ratio	Lower	Upper
82	100		
128	45.0	35.7	53.5
54	44.4	35.4	53.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.392 min Scan# 1939

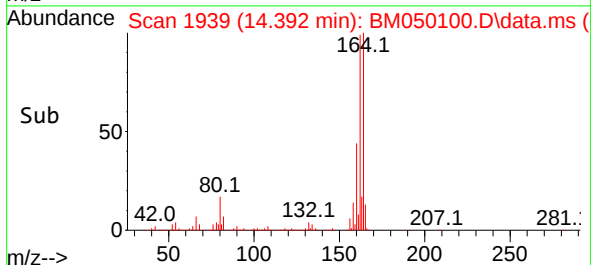
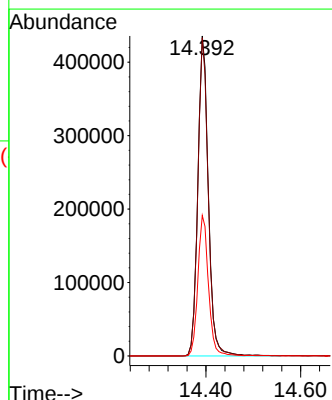
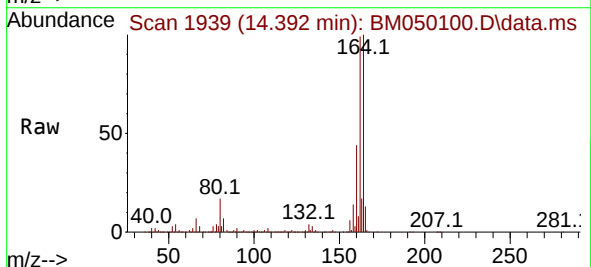
Delta R.T. -0.018 min

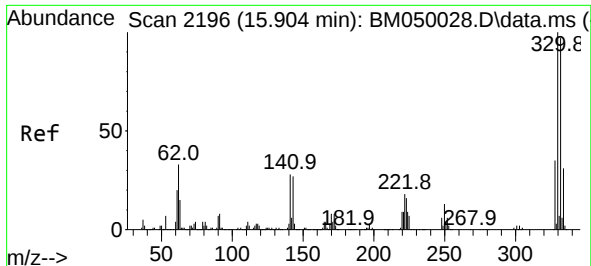
Lab File: BM050100.D

Acq: 05 May 2025 15:42

Tgt Ion: 164 Resp: 672574

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.4	119.0
160	43.9	36.2	54.4

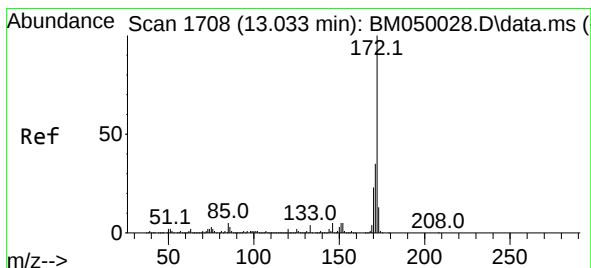
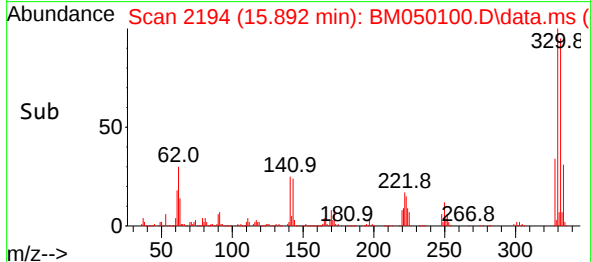
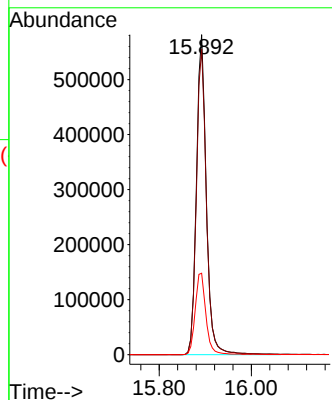
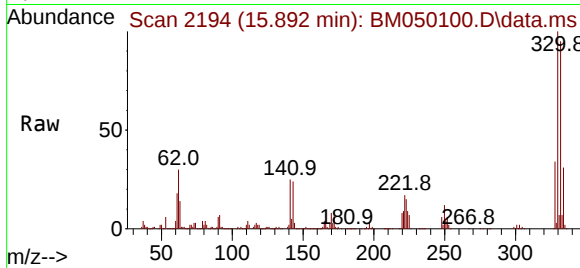




#42
2,4,6-Tribromophenol
Concen: 87.167 ng
RT: 15.892 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BM050100.D
Acq: 05 May 2025 15:42

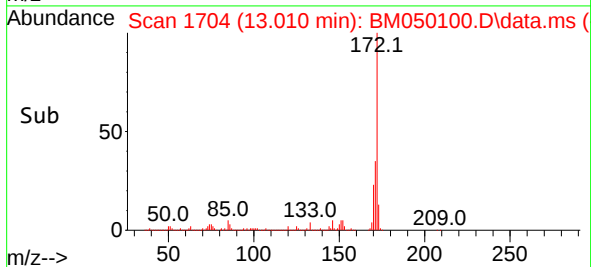
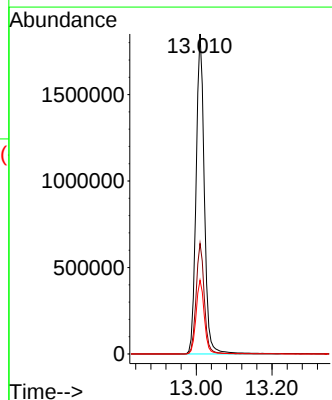
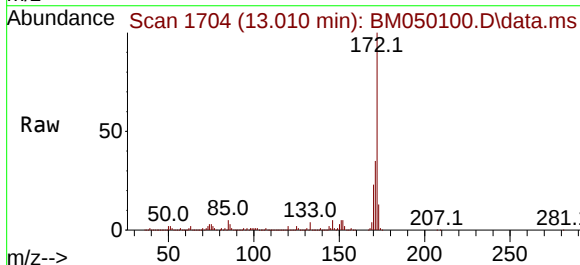
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-C

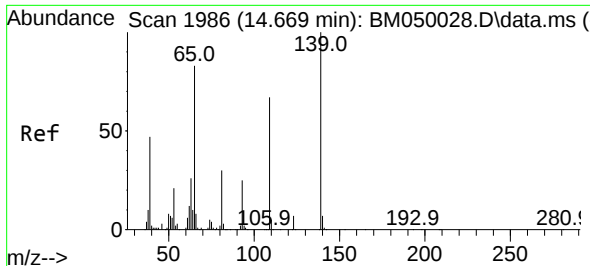
Tgt Ion:330 Resp: 866866
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 27.6 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 49.613 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050100.D
Acq: 05 May 2025 15:42

Tgt Ion:172 Resp: 2820673
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 23.0 18.6 28.0

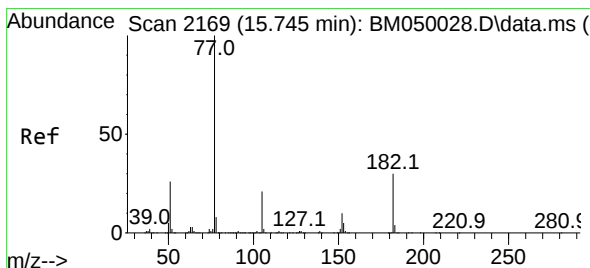
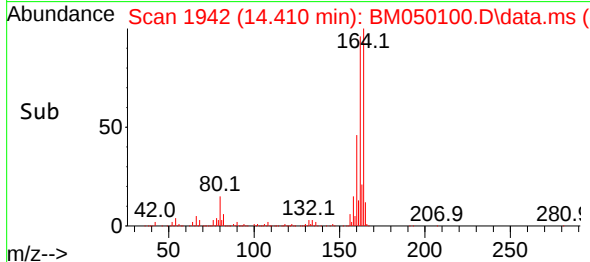
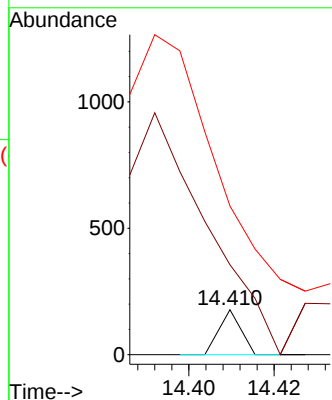
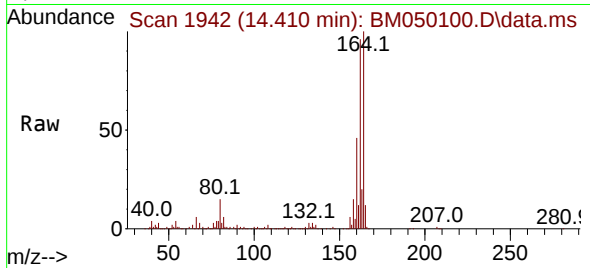




#56
4-Nitrophenol
Concen: 4.541 ng
RT: 14.410 min Scan# 1986
Delta R.T. -0.259 min
Lab File: BM050100.D
Acq: 05 May 2025 15:42

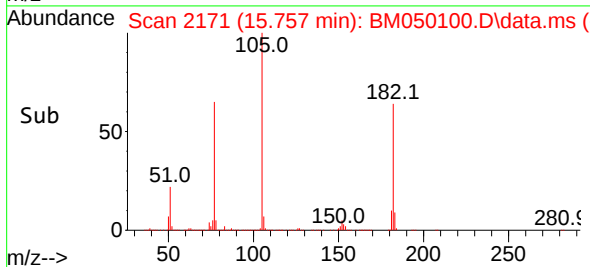
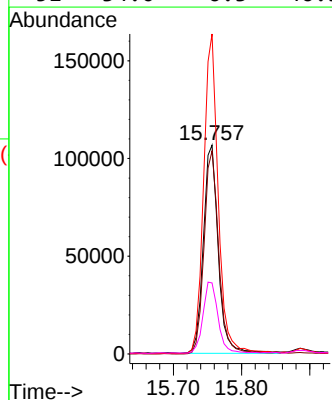
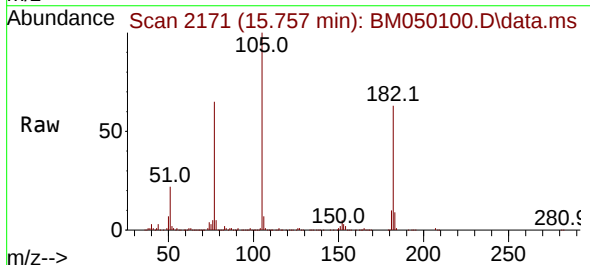
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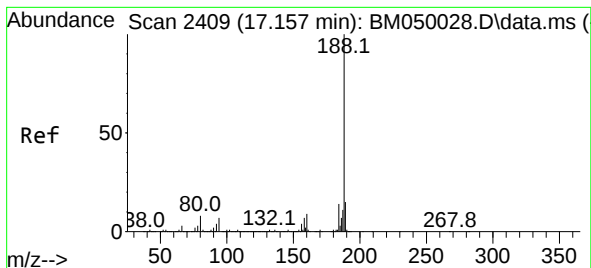
Tgt Ion:139 Resp: 63
Ion Ratio Lower Upper
139 100
109 200.0 47.0 87.0#
65 330.3 64.3 104.3#



#63
Azobenzene
Concen: 4.184 ng
RT: 15.757 min Scan# 2171
Delta R.T. 0.012 min
Lab File: BM050100.D
Acq: 05 May 2025 15:42

Tgt Ion: 77 Resp: 162415
Ion Ratio Lower Upper
77 100
182 97.3 10.5 50.5#
105 153.3 1.1 41.1#
51 34.0 6.3 46.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.145 min Scan# 24

Delta R.T. -0.012 min

Lab File: BM050100.D

Acq: 05 May 2025 15:42

Instrument :

BNA_M

ClientSampleId :

LARGE-PILE-C

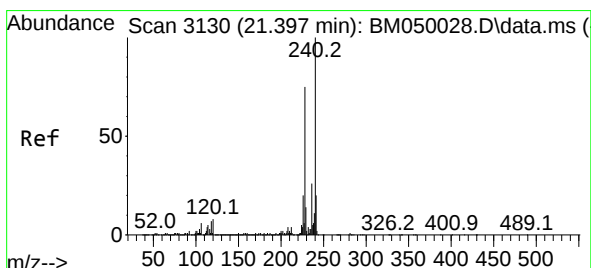
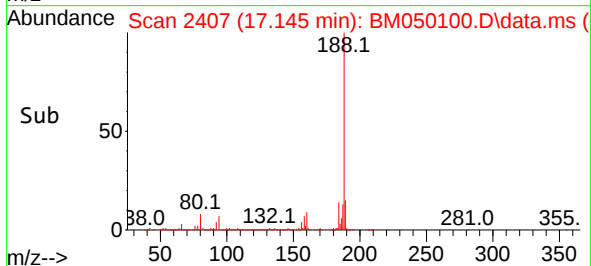
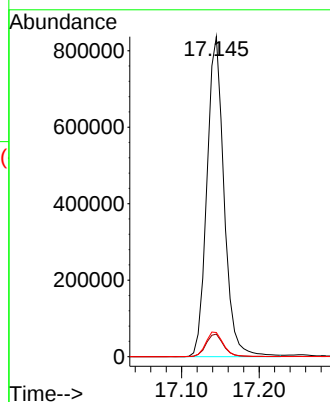
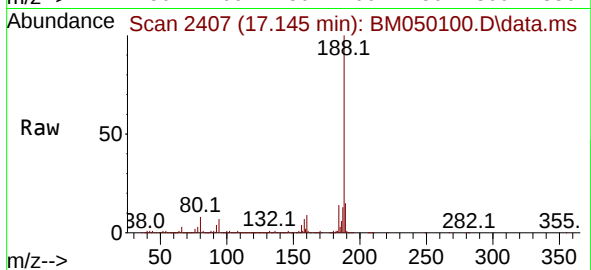
Tgt Ion:188 Resp: 1282772

Ion Ratio Lower Upper

188 100

94 7.0 5.7 8.5

80 7.6 6.2 9.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 3128

Delta R.T. -0.011 min

Lab File: BM050100.D

Acq: 05 May 2025 15:42

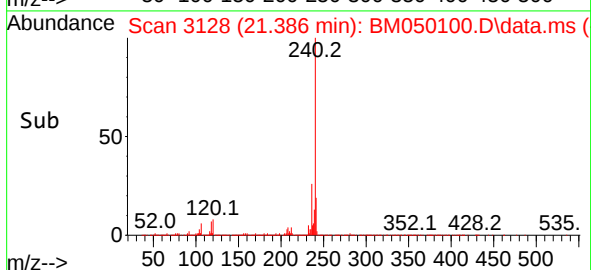
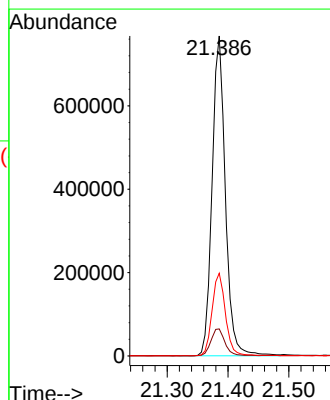
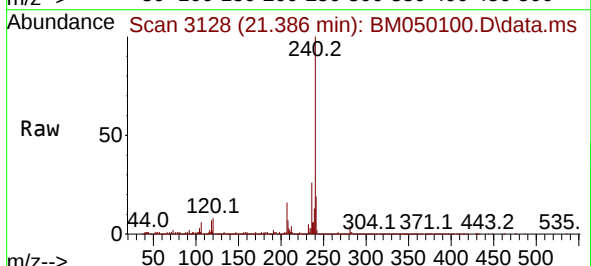
Tgt Ion:240 Resp: 1164216

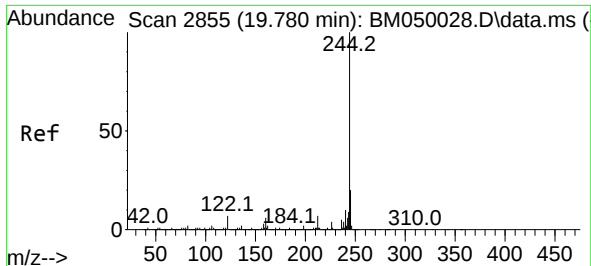
Ion Ratio Lower Upper

240 100

120 8.5 6.5 9.7

236 25.8 20.9 31.3

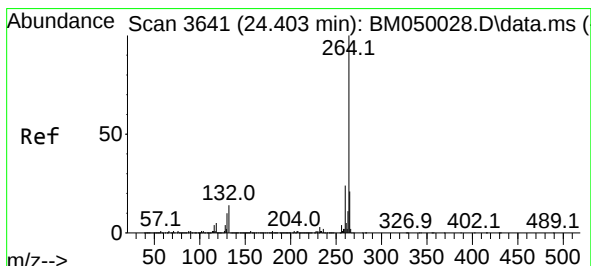
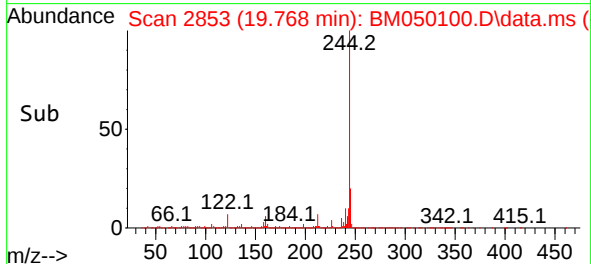
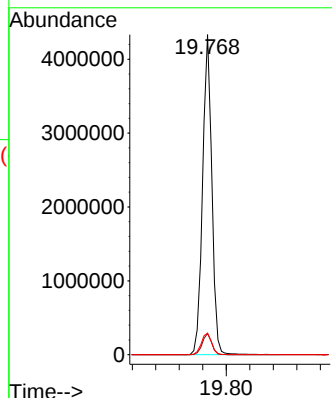
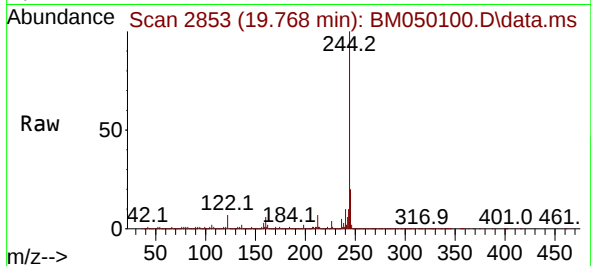




#79
 Terphenyl-d14
 Concen: 59.891 ng
 RT: 19.768 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050100.D
 Acq: 05 May 2025 15:42

Instrument :
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Tgt Ion:244 Resp: 4712055
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 6.7 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.380 min Scan# 3637
 Delta R.T. -0.024 min
 Lab File: BM050100.D
 Acq: 05 May 2025 15:42

Tgt Ion:264 Resp: 1189202
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.8 28.2
 265 22.1 17.0 25.4

