

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
 Data File : BM049882.D
 Acq On : 10 Apr 2025 13:31
 Operator : RC/JU
 Sample : Q1752-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-4

Quant Time: Apr 10 14:14:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

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

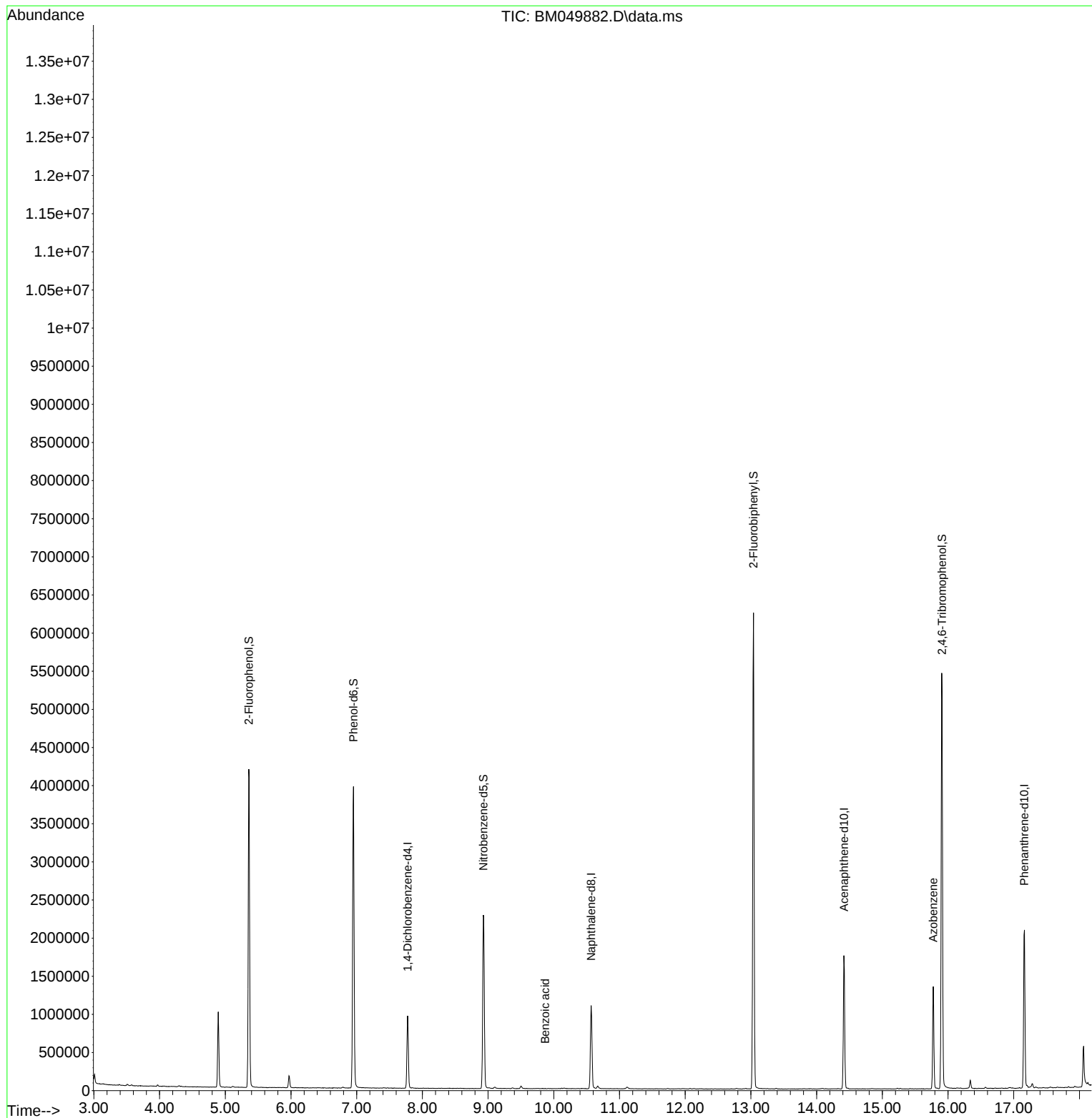
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	271450	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	937049	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	617836	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1273307	20.000	ng	0.00
76) Chrysene-d12	21.392	240	1263794	20.000	ng	-0.01
86) Perylene-d12	24.391	264	1367755	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1868792	116.904	ng	0.00
7) Phenol-d6	6.951	99	2318584	116.575	ng	0.00
23) Nitrobenzene-d5	8.928	82	1344960	79.926	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1132487	126.019	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	3246020	71.243	ng	0.00
79) Terphenyl-d14	19.786	244	5171186	76.682	ng	0.00
Target Compounds						
32) Benzoic acid	9.869	122	139	8.548	ng	# 20
63) Azobenzene	15.774	77	343665	9.603	ng	# 1

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

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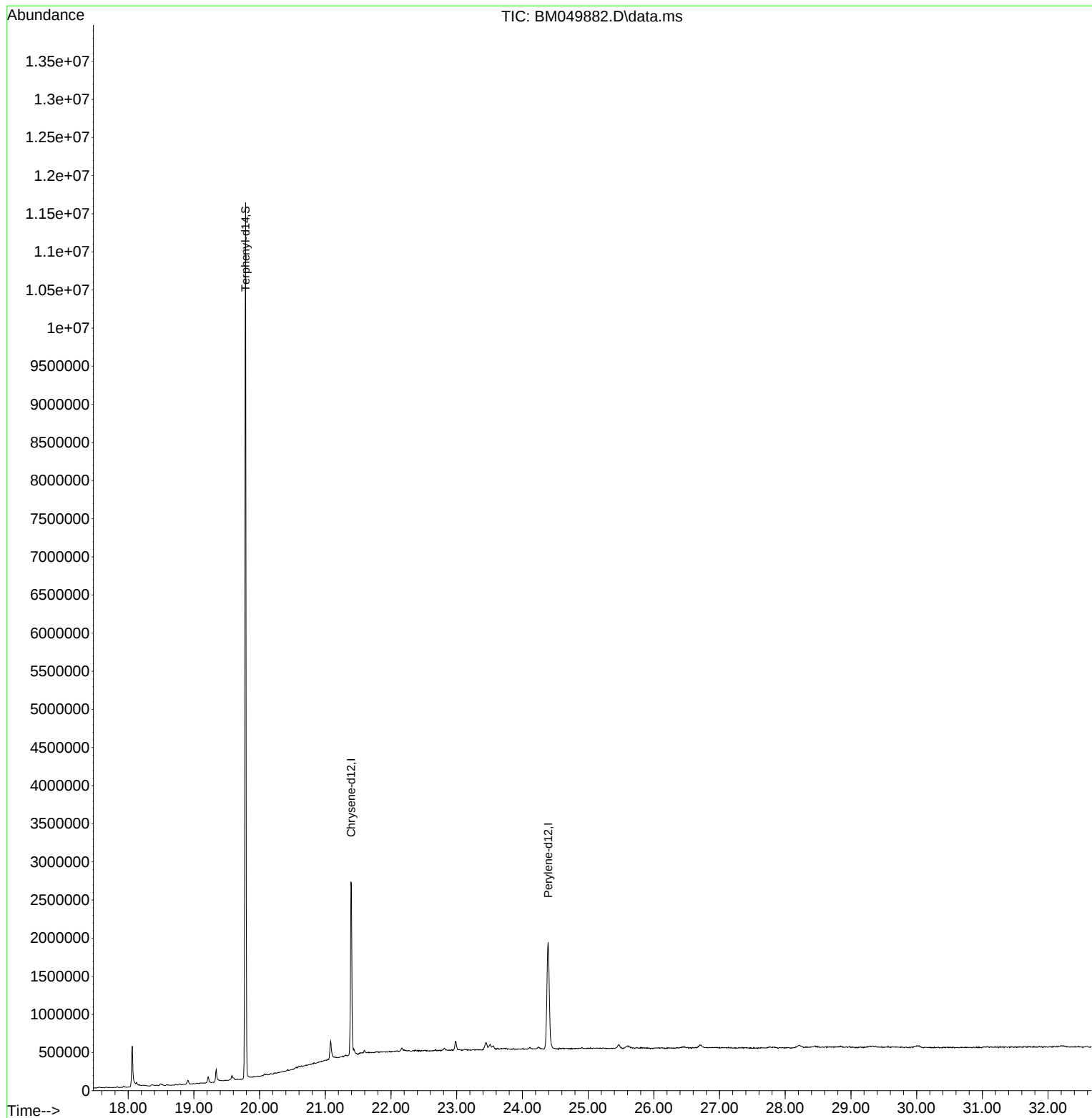
Quant Time: Apr 10 14:14:00 2025
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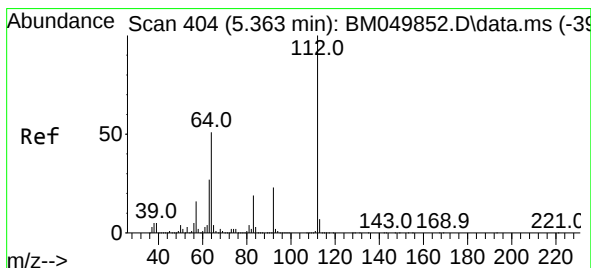
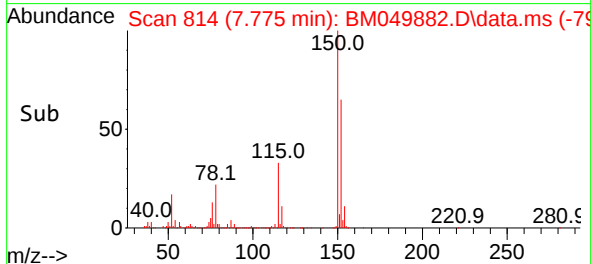
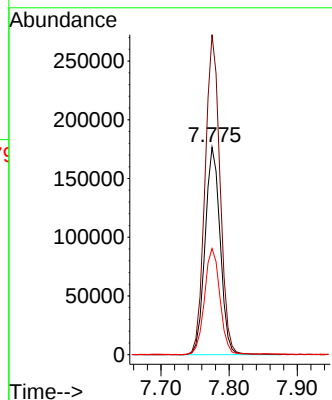
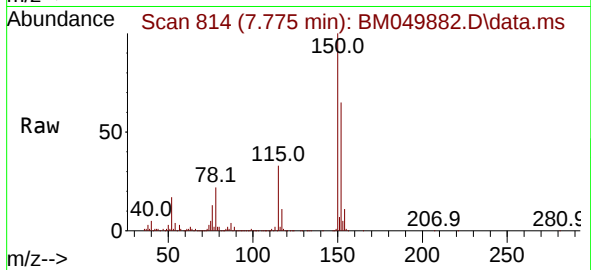




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM049882.D
Acq: 10 Apr 2025 13:31

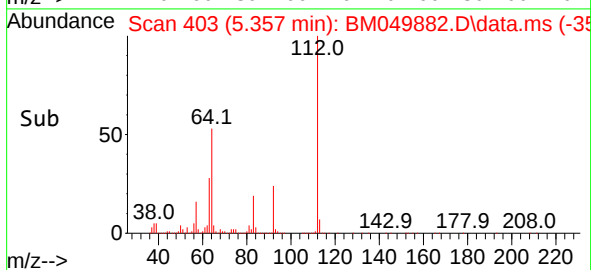
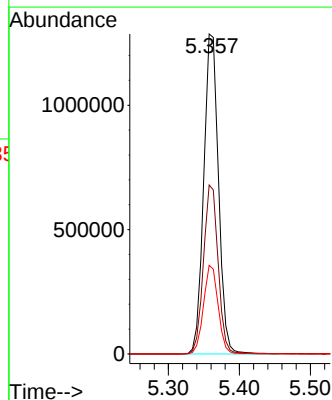
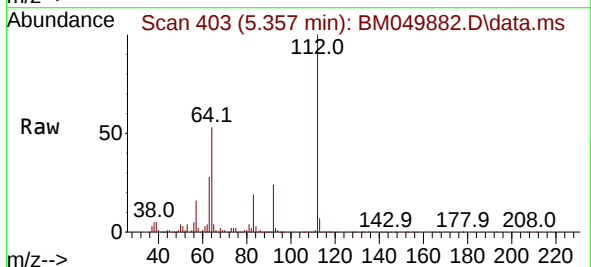
Instrument :
BNA_M
ClientSampleId :
TP-4

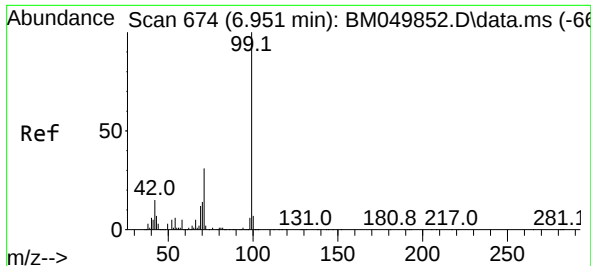
Tgt Ion:152 Resp: 271450
Ion Ratio Lower Upper
152 100
150 154.3 124.3 186.5
115 51.1 41.1 61.7



#5
2-Fluorophenol
Concen: 116.904 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049882.D
Acq: 10 Apr 2025 13:31

Tgt Ion:112 Resp: 1868792
Ion Ratio Lower Upper
112 100
64 52.8 41.0 61.6
63 27.7 21.5 32.3



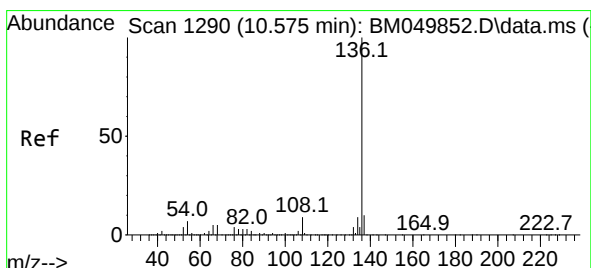
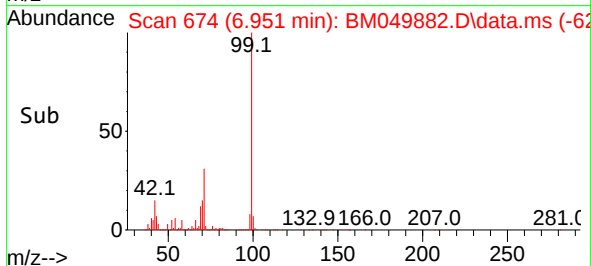
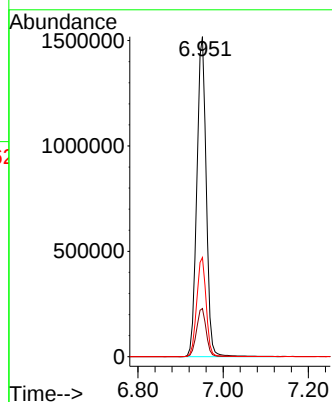
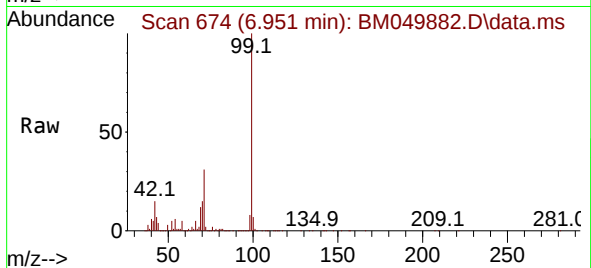


#7
Phenol-d6
Concen: 116.575 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049882.D
Acq: 10 Apr 2025 13:31

Instrument :
BNA_M
ClientSampleId :
TP-4

Tgt Ion: 99 Resp: 2318584

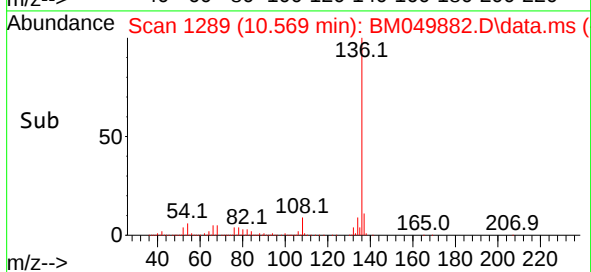
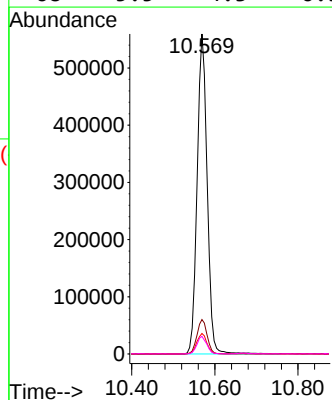
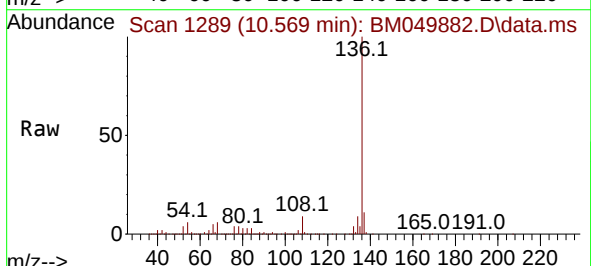
Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.1	18.1
71	31.0	24.9	37.3

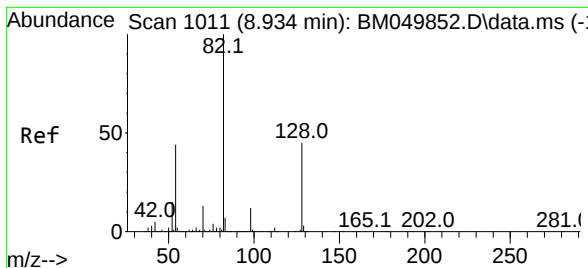


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM049882.D
Acq: 10 Apr 2025 13:31

Tgt Ion: 136 Resp: 937049

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	6.4	5.3	7.9
68	5.5	4.3	6.5





#23

Nitrobenzene-d5

Concen: 79.926 ng

RT: 8.928 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049882.D

Acq: 10 Apr 2025 13:31

Instrument :

BNA_M

ClientSampleId :

TP-4

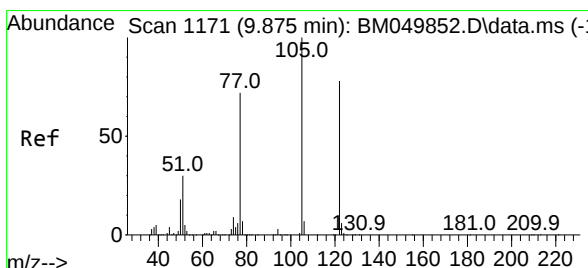
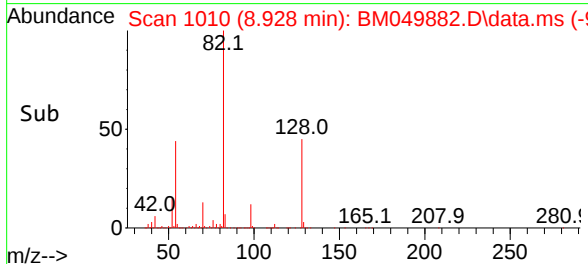
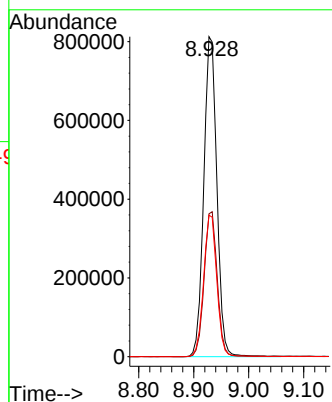
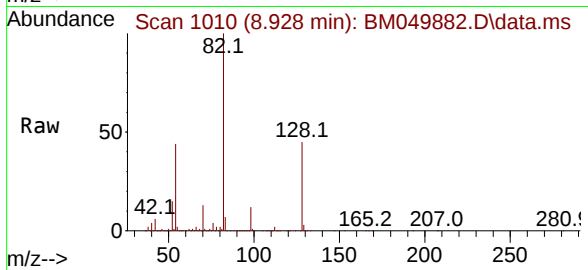
Tgt Ion: 82 Resp: 1344960

Ion Ratio Lower Upper

82 100

128 44.7 36.2 54.2

54 44.2 35.0 52.6



#32

Benzoic acid

Concen: 8.548 ng

RT: 9.869 min Scan# 1170

Delta R.T. -0.006 min

Lab File: BM049882.D

Acq: 10 Apr 2025 13:31

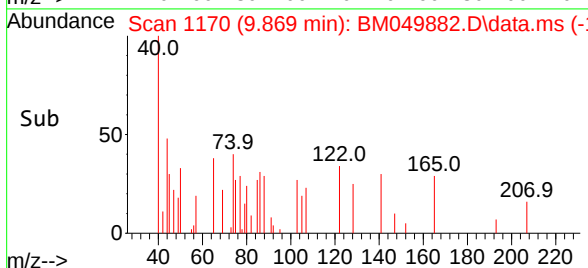
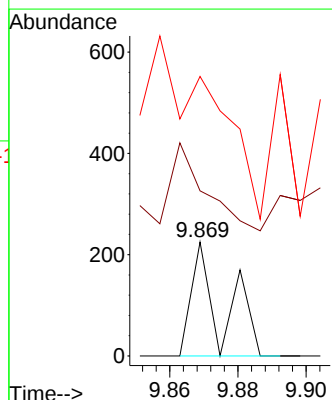
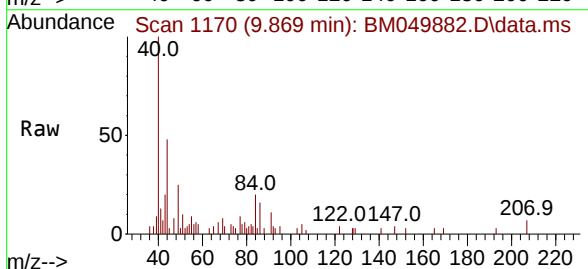
Tgt Ion:122 Resp: 139

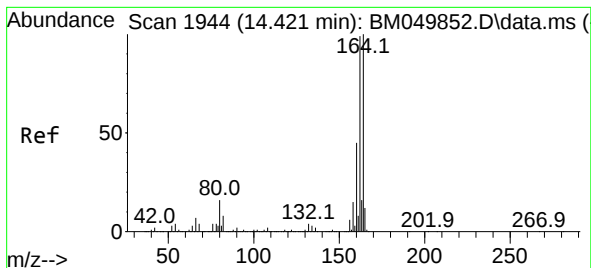
Ion Ratio Lower Upper

122 100

105 144.9 103.8 143.8#

77 245.3 70.7 110.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.416 min Scan# 1943

Delta R.T. -0.006 min

Lab File: BM049882.D

Acq: 10 Apr 2025 13:31

Instrument :

BNA_M

ClientSampleId :

TP-4

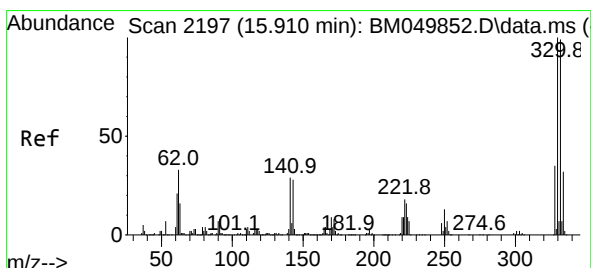
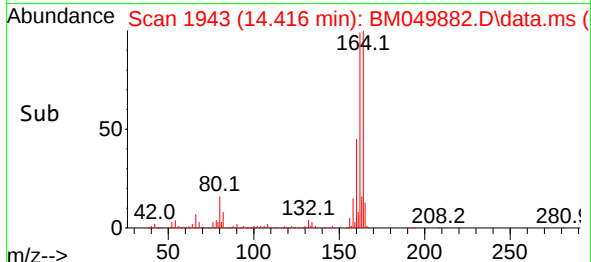
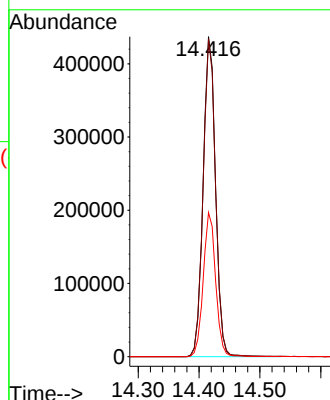
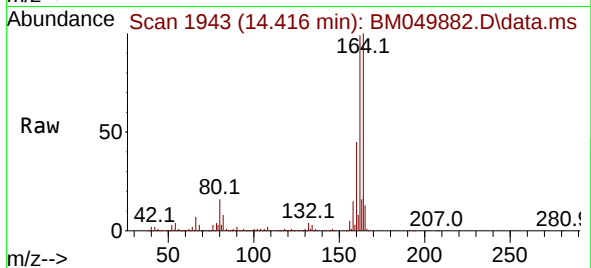
Tgt Ion:164 Resp: 617836

Ion Ratio Lower Upper

164 100

162 99.3 79.4 119.0

160 45.0 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 126.019 ng

RT: 15.910 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BM049882.D

Acq: 10 Apr 2025 13:31

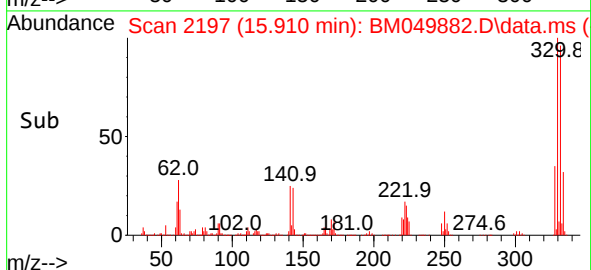
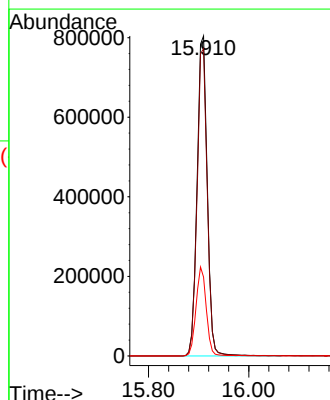
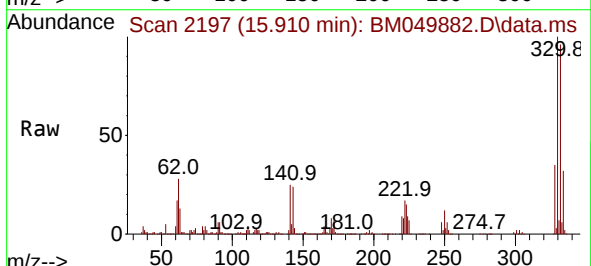
Tgt Ion:330 Resp: 1132487

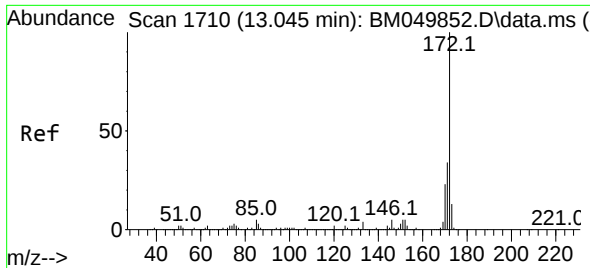
Ion Ratio Lower Upper

330 100

332 96.0 78.0 117.0

141 28.1 23.5 35.3

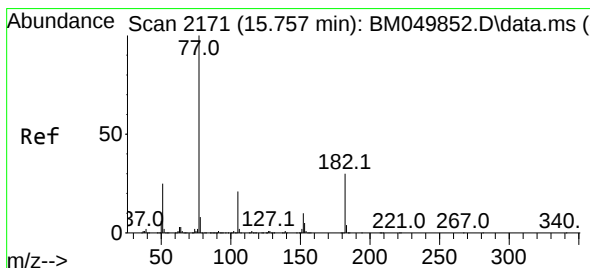
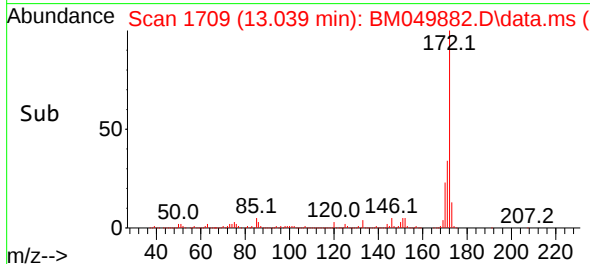
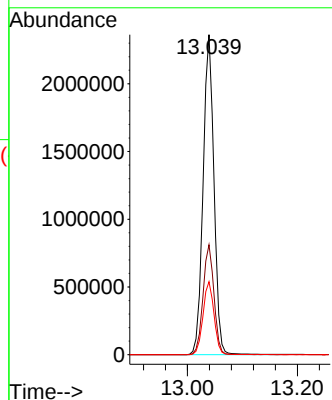
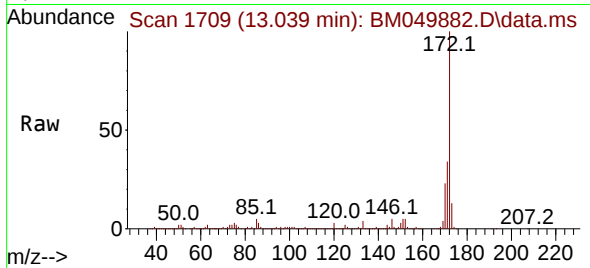




#45
2-Fluorobiphenyl
Concen: 71.243 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049882.D
Acq: 10 Apr 2025 13:31

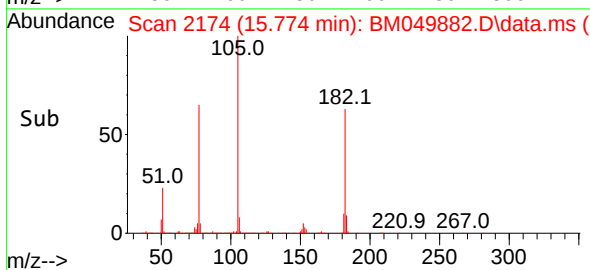
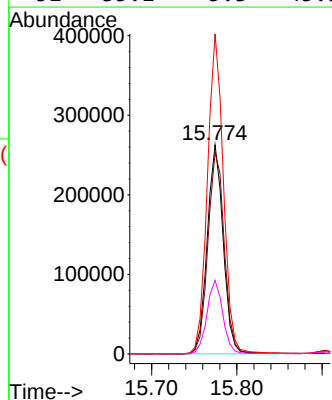
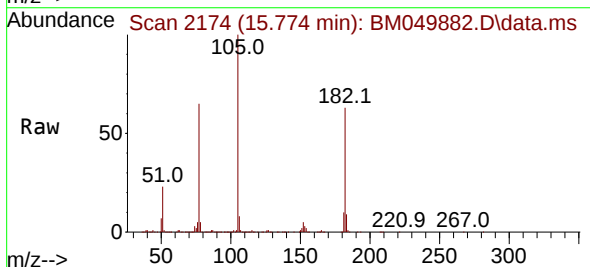
Instrument :
BNA_M
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TP-4

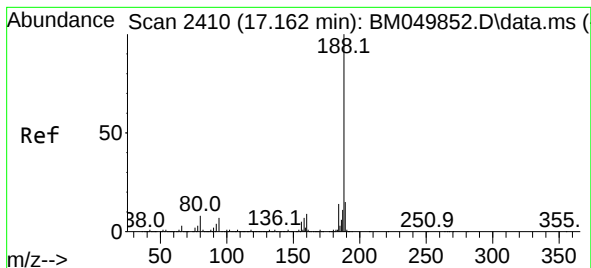
Tgt Ion:172 Resp: 3246020
Ion Ratio Lower Upper
172 100
171 34.4 27.4 41.2
170 22.8 18.6 28.0



#63
Azobenzene
Concen: 9.603 ng
RT: 15.774 min Scan# 2174
Delta R.T. 0.018 min
Lab File: BM049882.D
Acq: 10 Apr 2025 13:31

Tgt Ion: 77 Resp: 343665
Ion Ratio Lower Upper
77 100
182 96.5 10.4 50.4#
105 153.0 1.5 41.5#
51 35.1 5.3 45.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.162 min Scan# 2410

Delta R.T. 0.000 min

Lab File: BM049882.D

Acq: 10 Apr 2025 13:31

Instrument :

BNA_M

ClientSampleId :

TP-4

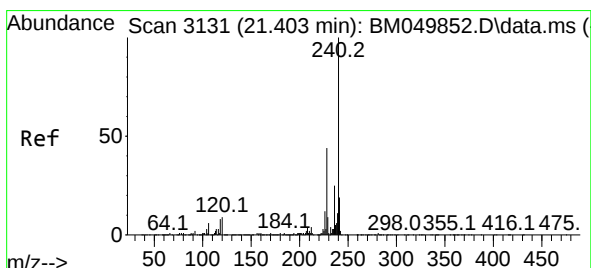
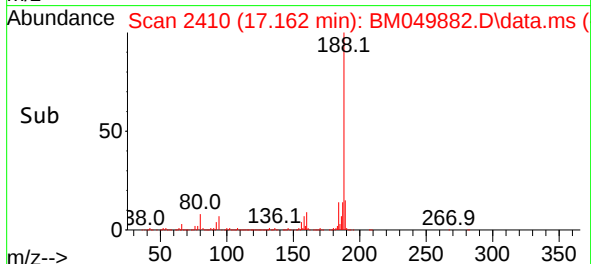
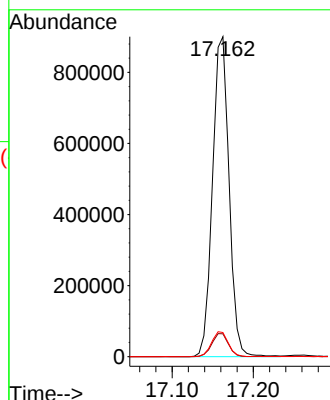
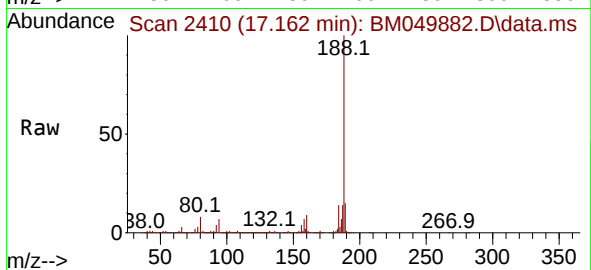
Tgt Ion:188 Resp: 1273307

Ion Ratio Lower Upper

188 100

94 7.1 5.8 8.6

80 7.6 6.4 9.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.392 min Scan# 3129

Delta R.T. -0.012 min

Lab File: BM049882.D

Acq: 10 Apr 2025 13:31

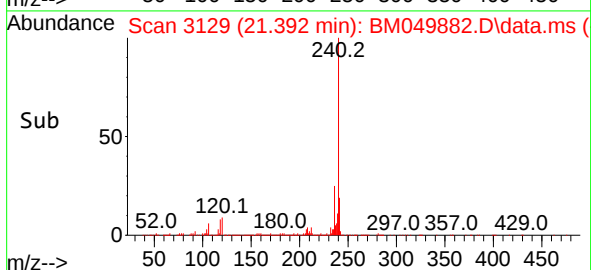
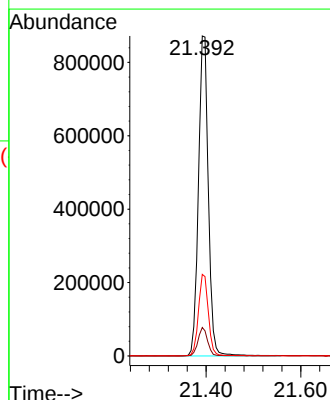
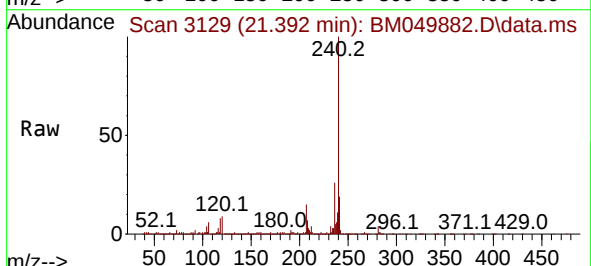
Tgt Ion:240 Resp: 1263794

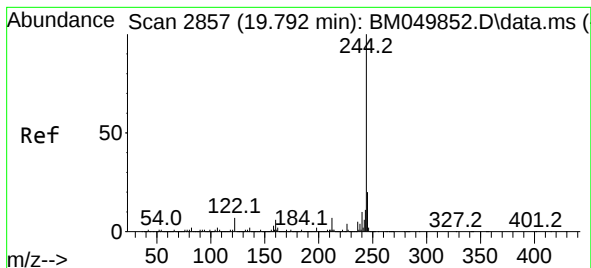
Ion Ratio Lower Upper

240 100

120 8.9 6.9 10.3

236 25.5 20.4 30.6





#79

Terphenyl-d14

Concen: 76.682 ng

RT: 19.786 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049882.D

Acq: 10 Apr 2025 13:31

Instrument :

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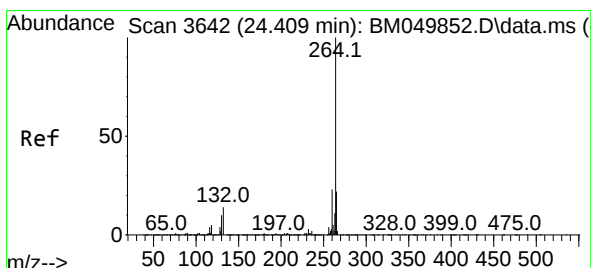
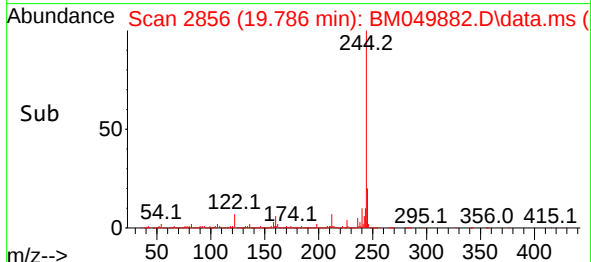
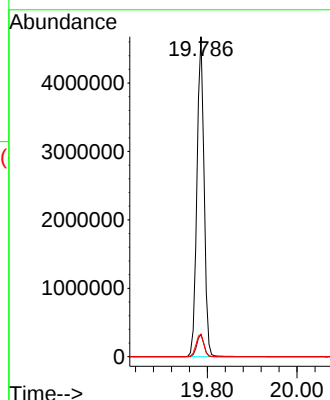
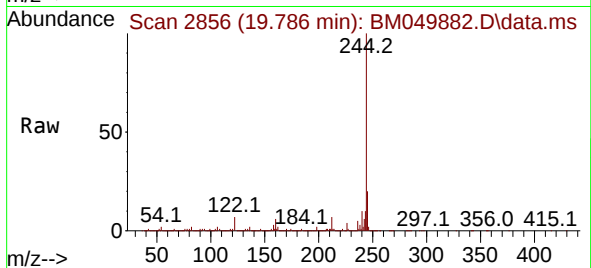
Tgt Ion:244 Resp: 5171186

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 7.0 5.4 8.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.391 min Scan# 3639

Delta R.T. -0.018 min

Lab File: BM049882.D

Acq: 10 Apr 2025 13:31

Tgt Ion:264 Resp: 1367755

Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 22.0 17.8 26.8

