

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
 Data File : BM050018.D
 Acq On : 23 Apr 2025 17:53
 Operator : RC/JU
 Sample : Q1859-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COMP-2

Quant Time: Apr 23 18:31:10 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)

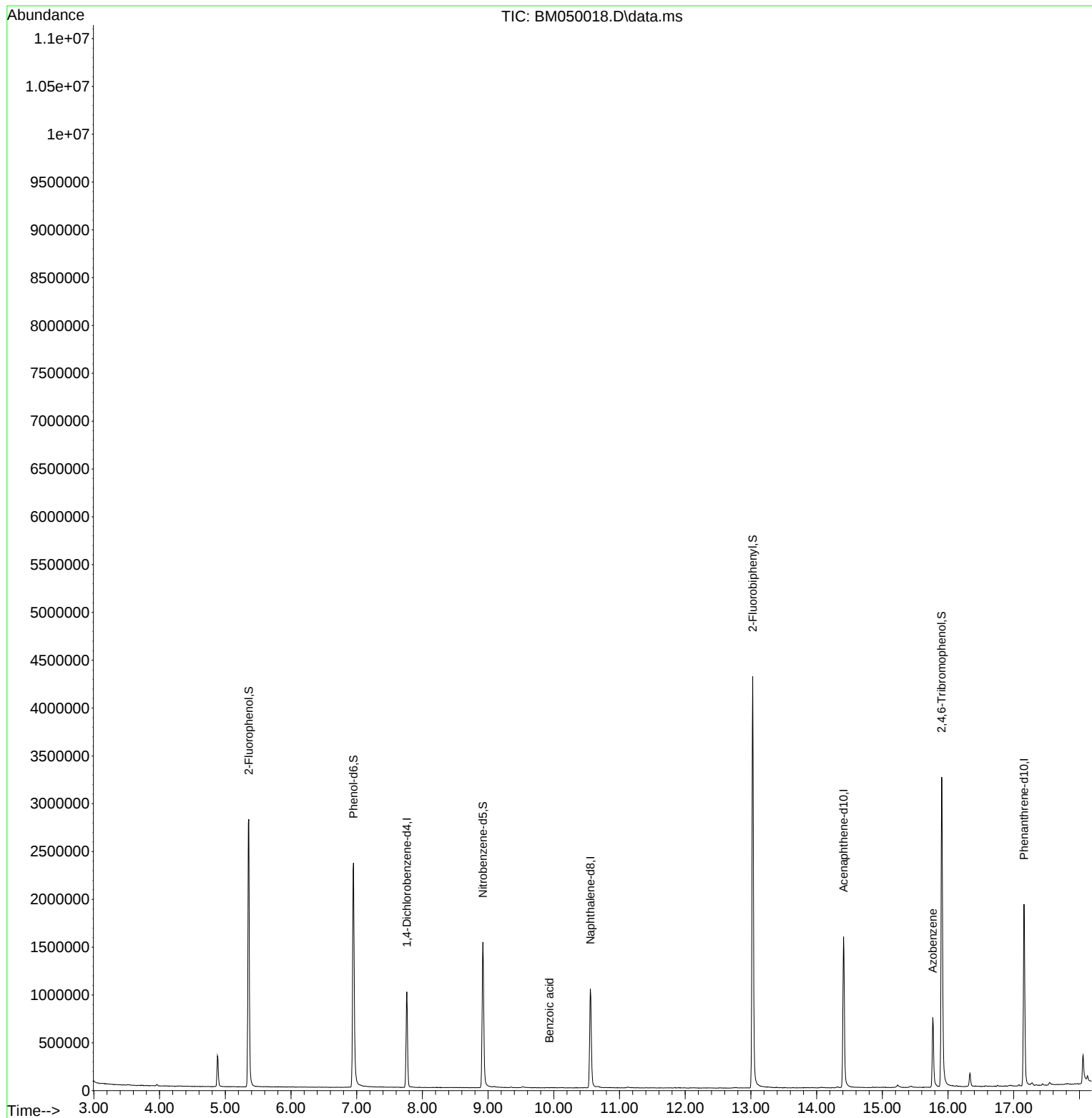
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	290826	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	982749	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	636055	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1255045	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1294101	20.000	ng	0.00
86) Perylene-d12	24.403	264	1384950	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1344403	78.497	ng	0.00
7) Phenol-d6	6.951	99	1616168	75.845	ng	0.00
23) Nitrobenzene-d5	8.922	82	981126	55.593	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	764200	82.601	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	2535072	54.045	ng	-0.02
79) Terphenyl-d14	19.780	244	4224893	61.183	ng	-0.01
Target Compounds						
						Qvalue
32) Benzoic acid	9.933	122	58	8.542	ng	# 1
63) Azobenzene	15.768	77	226077	6.136	ng	# 1

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

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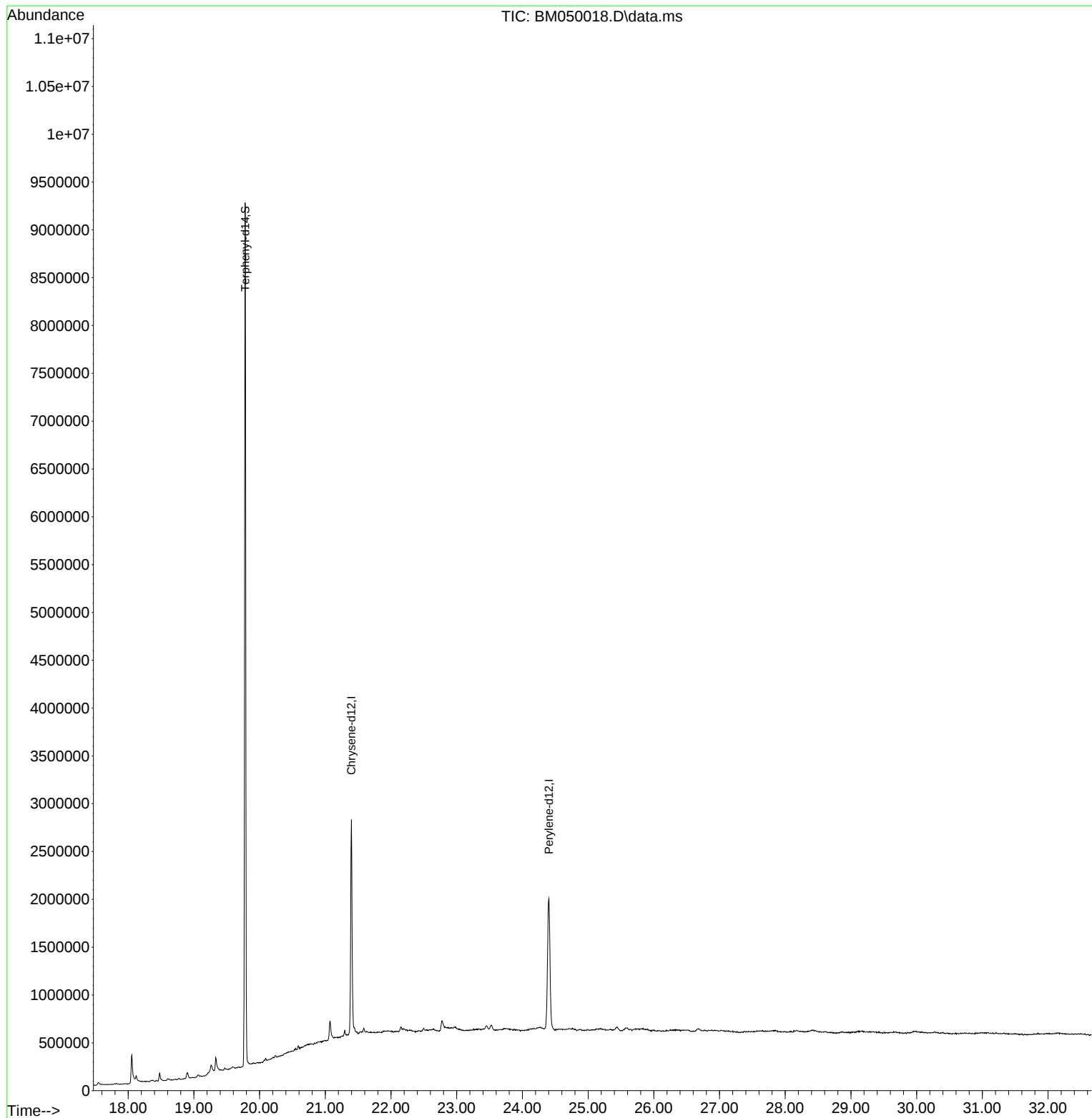
Quant Time: Apr 23 18:31:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
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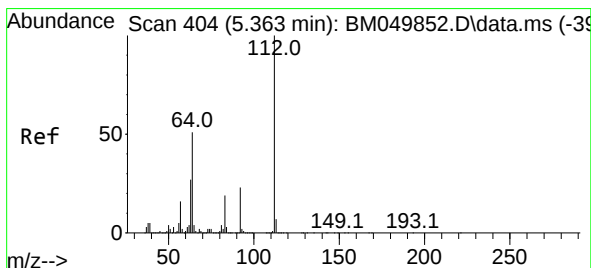
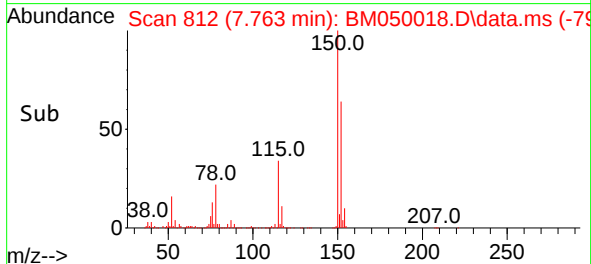
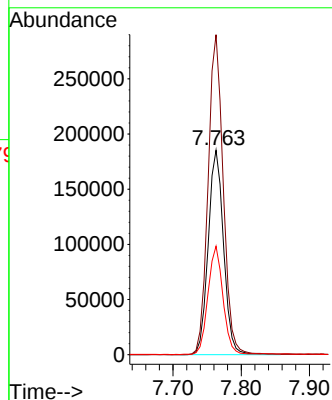
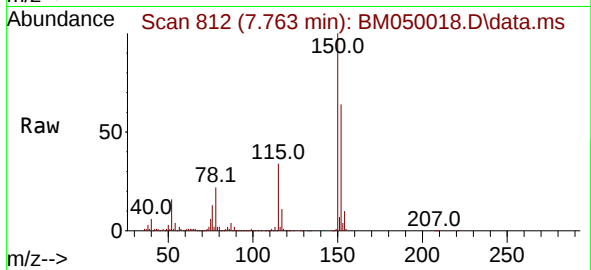




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM050018.D
Acq: 23 Apr 2025 17:53

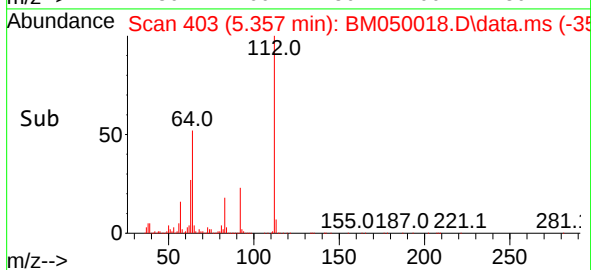
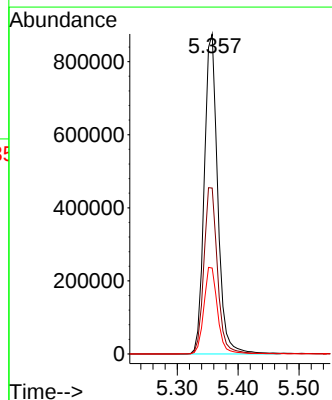
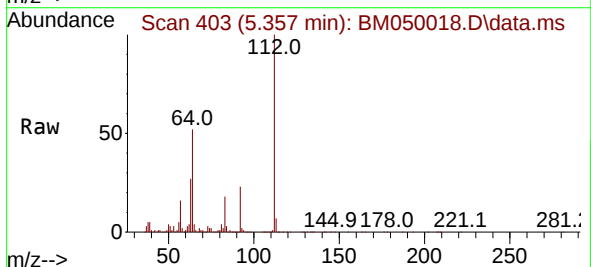
Instrument :
BNA_M
ClientSampleId :
COMP-2

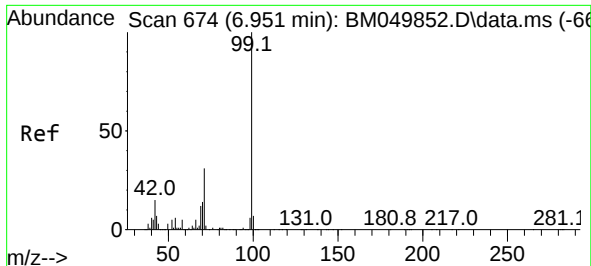
Tgt Ion:152 Resp: 290826
Ion Ratio Lower Upper
152 100
150 156.4 124.3 186.5
115 53.0 41.1 61.7



#5
2-Fluorophenol
Concen: 78.497 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM050018.D
Acq: 23 Apr 2025 17:53

Tgt Ion:112 Resp: 1344403
Ion Ratio Lower Upper
112 100
64 51.8 41.0 61.6
63 26.8 21.5 32.3

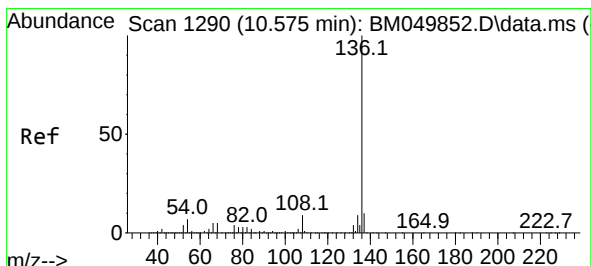
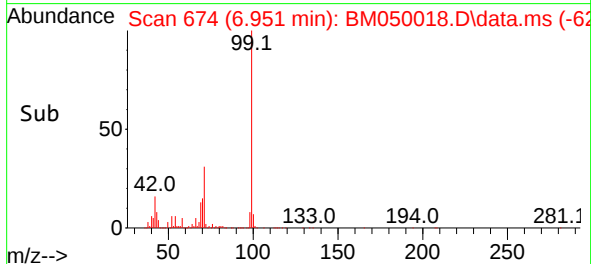
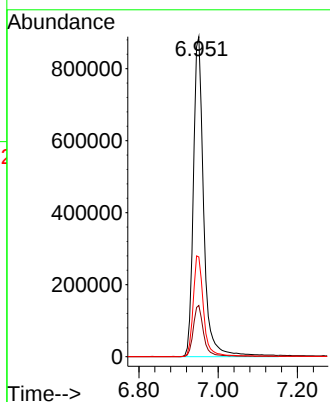
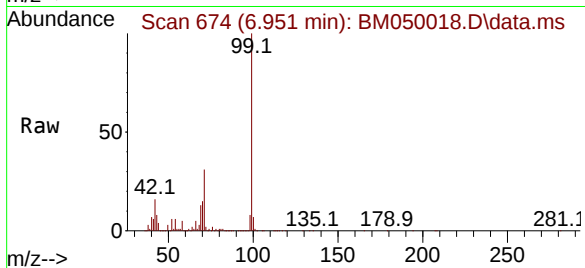




#7
Phenol-d6
Concen: 75.845 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050018.D
Acq: 23 Apr 2025 17:53

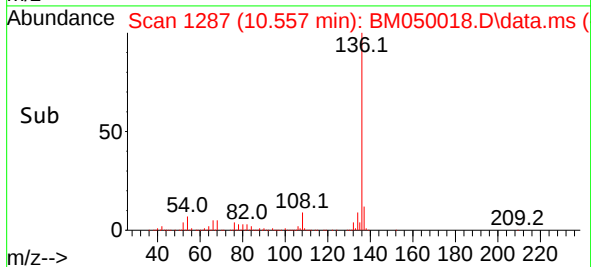
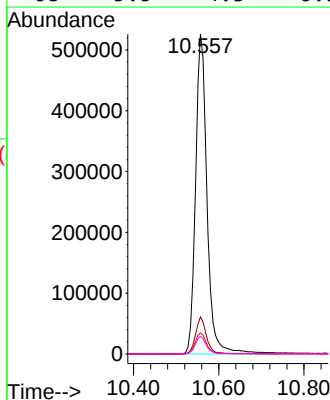
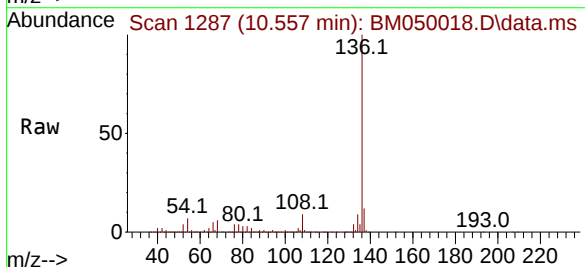
Instrument :
BNA_M
ClientSampleId :
COMP-2

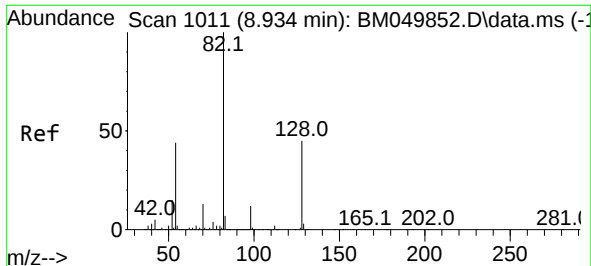
Tgt Ion: 99 Resp: 1616168
Ion Ratio Lower Upper
99 100
42 16.0 12.1 18.1
71 31.2 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM050018.D
Acq: 23 Apr 2025 17:53

Tgt Ion: 136 Resp: 982749
Ion Ratio Lower Upper
136 100
137 11.5 8.4 12.6
54 6.6 5.3 7.9
68 5.5 4.3 6.5

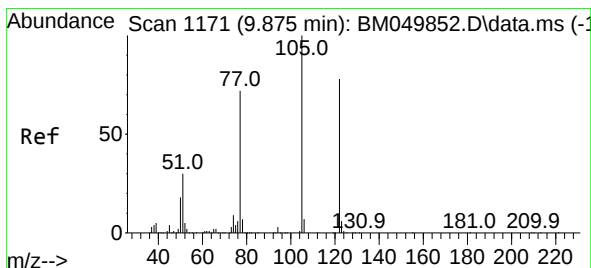
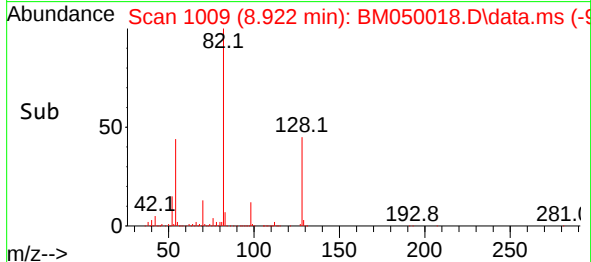
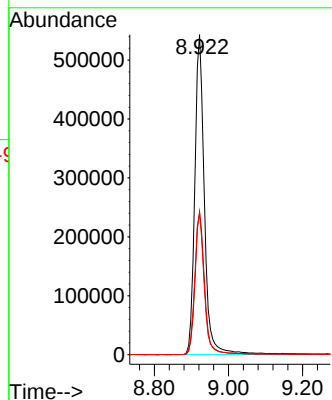
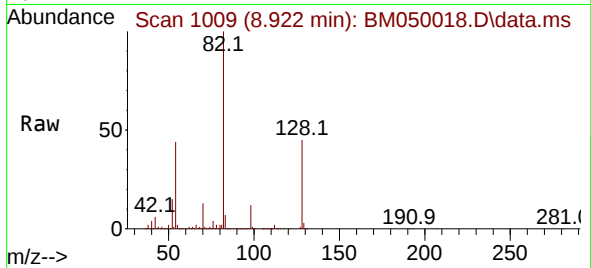




#23
Nitrobenzene-d5
Concen: 55.593 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BM050018.D
Acq: 23 Apr 2025 17:53

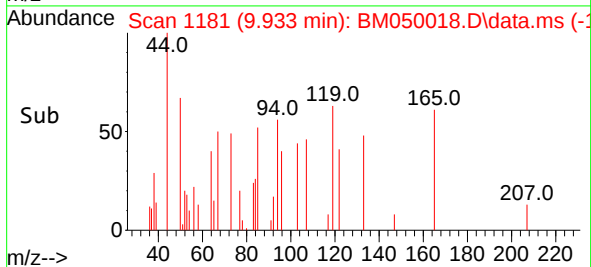
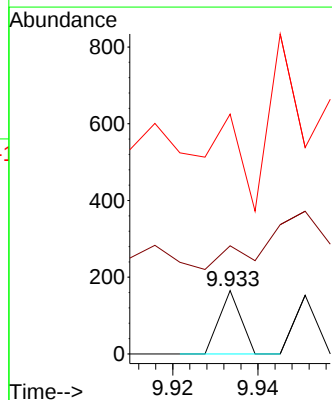
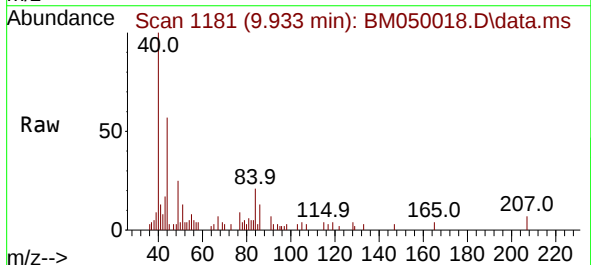
Instrument :
BNA_M
ClientSampleId :
COMP-2

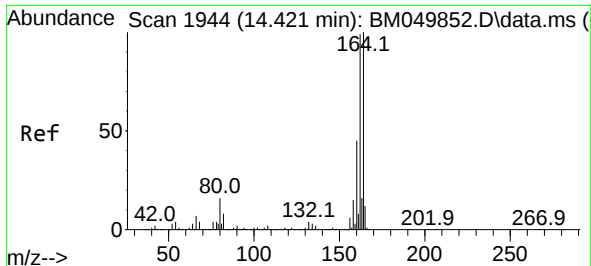
Tgt Ion: 82 Resp: 981126
Ion Ratio Lower Upper
82 100
128 44.7 36.2 54.2
54 44.3 35.0 52.6



#32
Benzoic acid
Concen: 8.542 ng
RT: 9.933 min Scan# 1181
Delta R.T. 0.058 min
Lab File: BM050018.D
Acq: 23 Apr 2025 17:53

Tgt Ion:122 Resp: 58
Ion Ratio Lower Upper
122 100
105 170.9 103.8 143.8#
77 378.8 70.7 110.7#

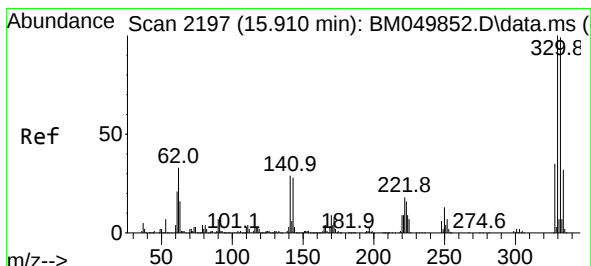
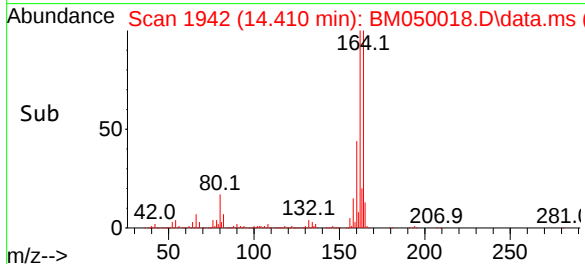
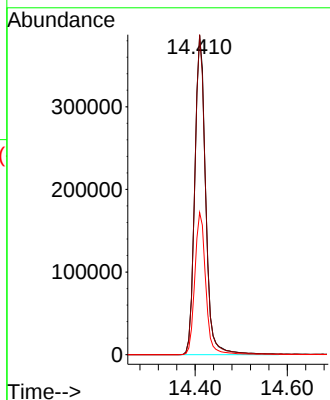
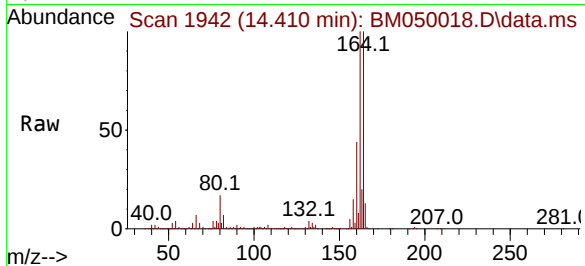




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM050018.D
Acq: 23 Apr 2025 17:53

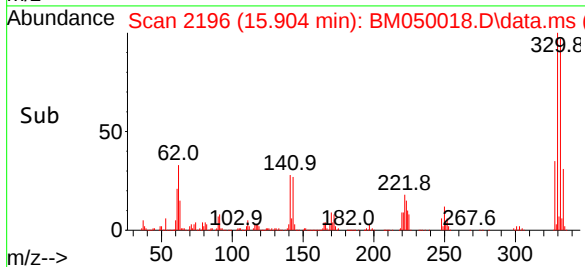
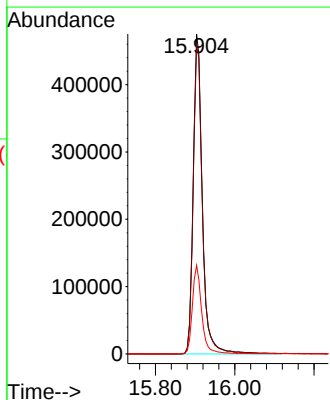
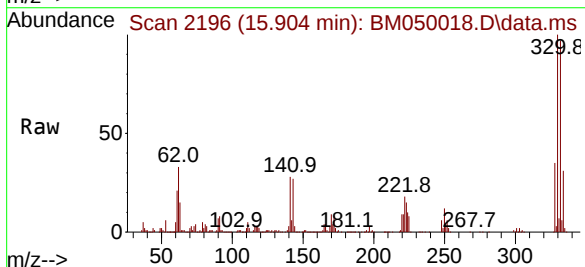
Instrument :
BNA_M
ClientSampleId :
COMP-2

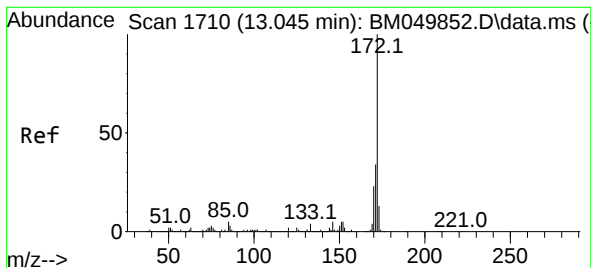
Tgt Ion:164 Resp: 636055
Ion Ratio Lower Upper
164 100
162 100.2 79.4 119.0
160 44.5 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 82.601 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM050018.D
Acq: 23 Apr 2025 17:53

Tgt Ion:330 Resp: 764200
Ion Ratio Lower Upper
330 100
332 97.3 78.0 117.0
141 28.5 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 54.045 ng

RT: 13.027 min Scan# 1

Delta R.T. -0.018 min

Lab File: BM050018.D

Acq: 23 Apr 2025 17:53

Instrument :

BNA_M

ClientSampleId :

COMP-2

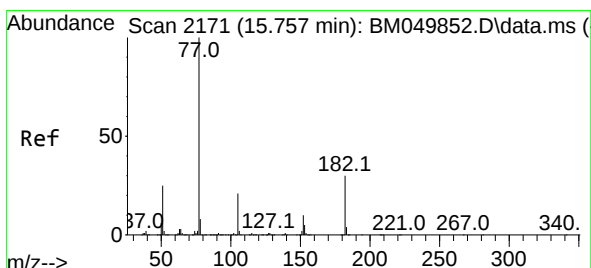
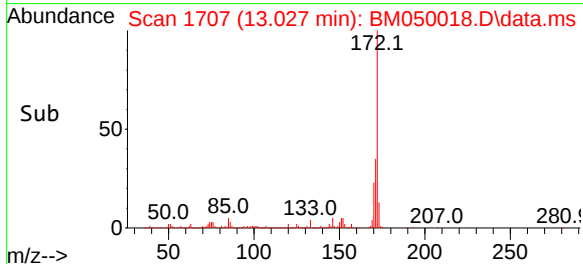
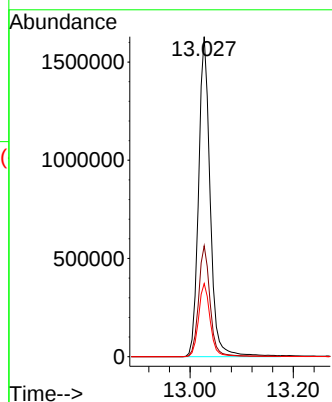
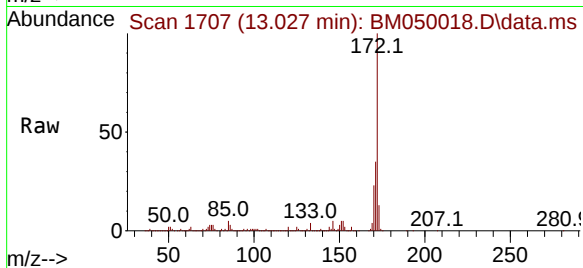
Tgt Ion:172 Resp: 2535072

Ion Ratio Lower Upper

172 100

171 34.6 27.4 41.2

170 22.9 18.6 28.0



#63

Azobenzene

Concen: 6.136 ng

RT: 15.768 min Scan# 2173

Delta R.T. 0.012 min

Lab File: BM050018.D

Acq: 23 Apr 2025 17:53

Tgt Ion: 77 Resp: 226077

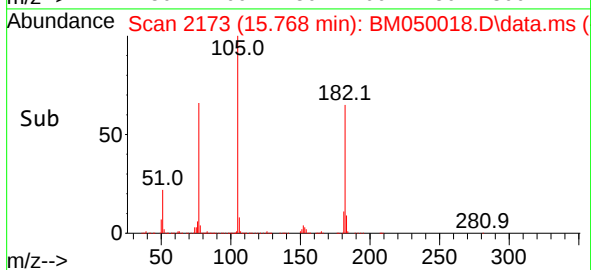
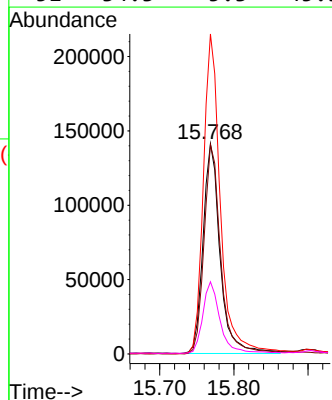
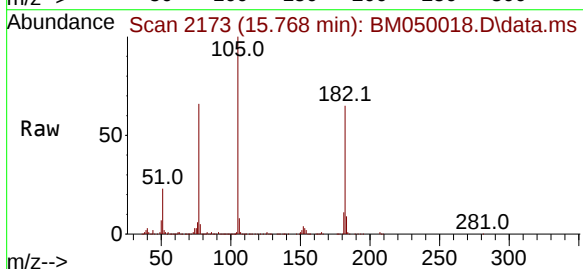
Ion Ratio Lower Upper

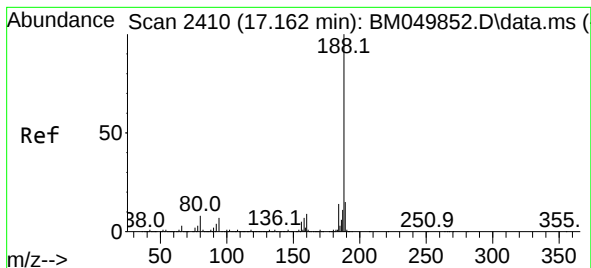
77 100

182 99.6 10.4 50.4#

105 152.2 1.5 41.5#

51 34.3 5.3 45.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2410

Delta R.T. -0.006 min

Lab File: BM050018.D

Acq: 23 Apr 2025 17:53

Instrument :

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ClientSampleId :

COMP-2

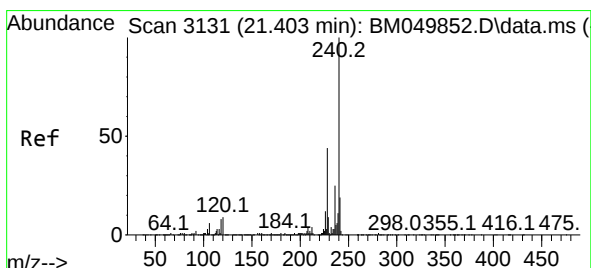
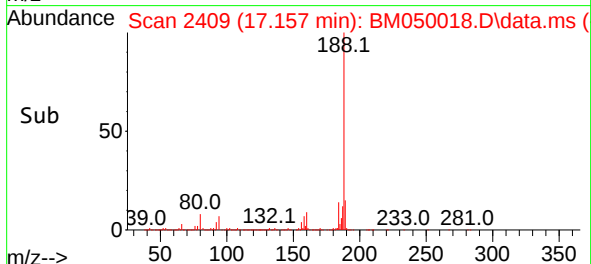
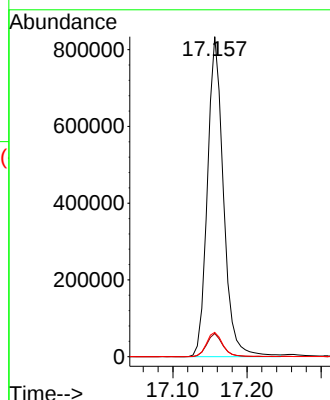
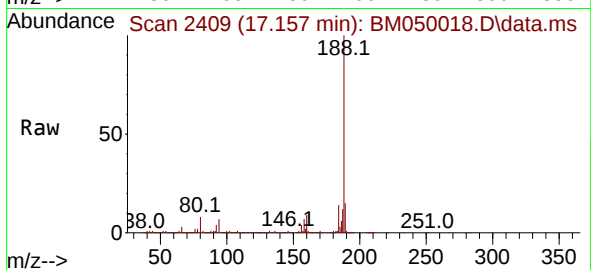
Tgt Ion:188 Resp: 1255045

Ion Ratio Lower Upper

188 100

94 7.3 5.8 8.6

80 7.6 6.4 9.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.397 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BM050018.D

Acq: 23 Apr 2025 17:53

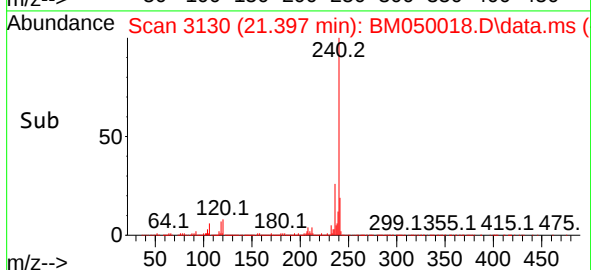
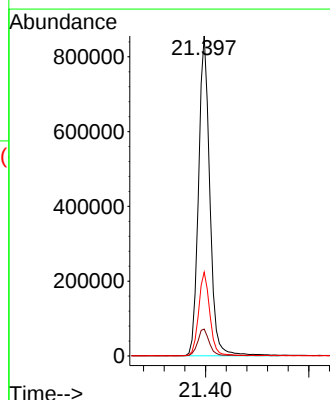
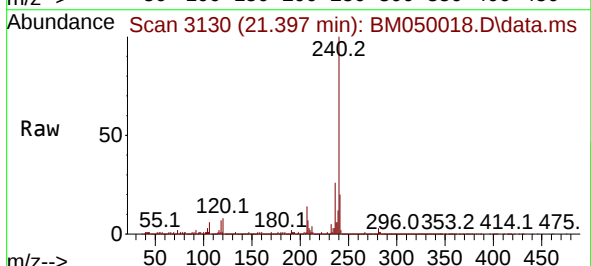
Tgt Ion:240 Resp: 1294101

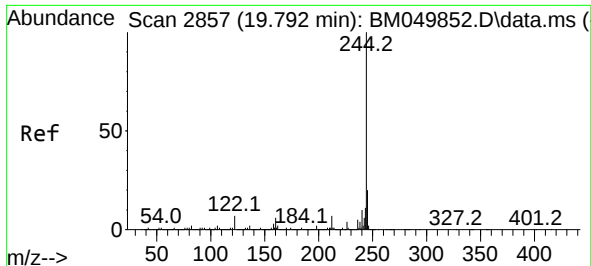
Ion Ratio Lower Upper

240 100

120 8.4 6.9 10.3

236 26.2 20.4 30.6

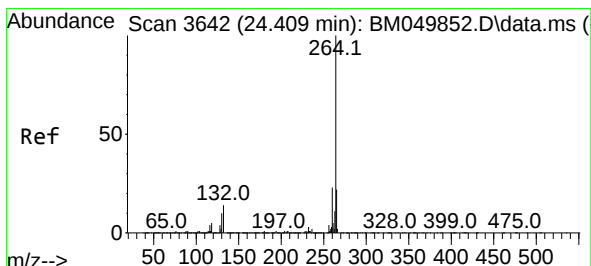
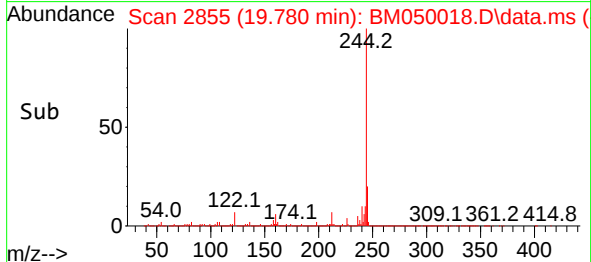
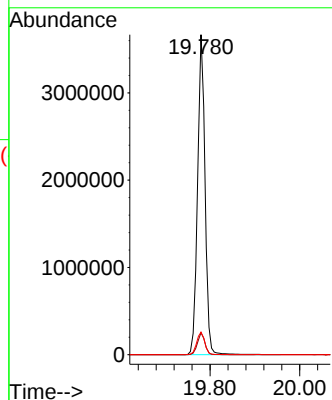
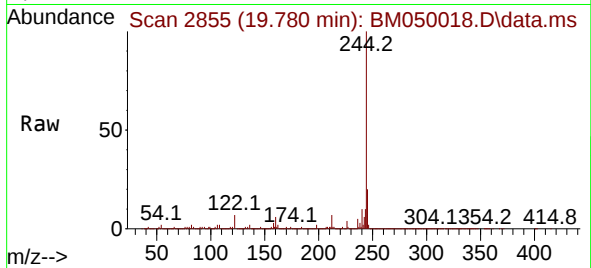




#79
Terphenyl-d14
Concen: 61.183 ng
RT: 19.780 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050018.D
Acq: 23 Apr 2025 17:53

Instrument :
BNA_M
ClientSampleId :
COMP-2

Tgt Ion:244 Resp: 4224893
Ion Ratio Lower Upper
244 100
212 6.9 5.5 8.3
122 7.1 5.4 8.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.006 min
Lab File: BM050018.D
Acq: 23 Apr 2025 17:53

Tgt Ion:264 Resp: 1384950
Ion Ratio Lower Upper
264 100
260 23.9 18.6 28.0
265 21.9 17.8 26.8

