

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
 Data File : BM049869.D
 Acq On : 09 Apr 2025 15:45
 Operator : RC/JU
 Sample : Q1744-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-158-SB02

Quant Time: Apr 09 16:19:43 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)

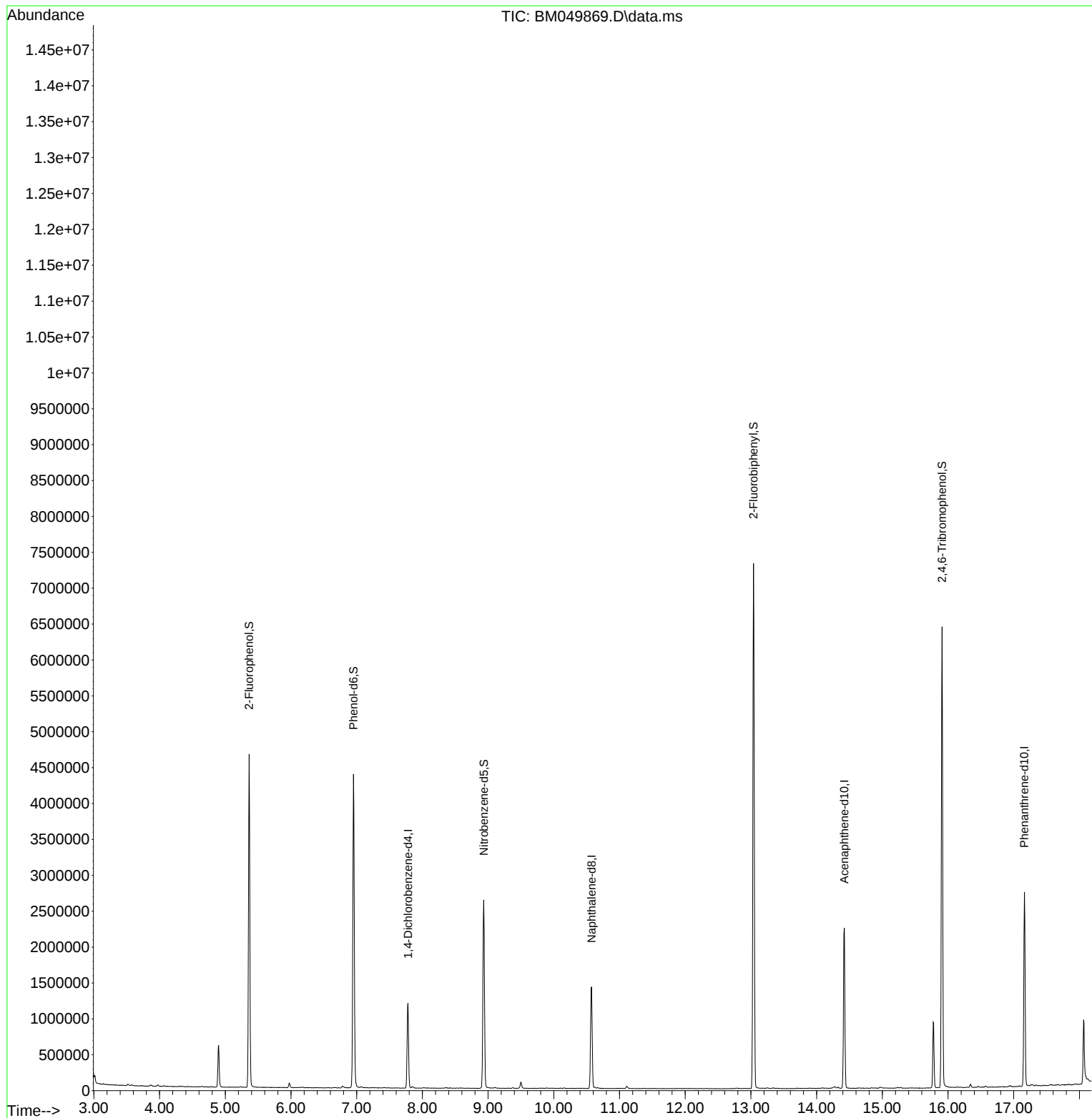
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	345979	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1233998	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	818312	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1627507	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1500407	20.000	ng	0.00
86) Perylene-d12	24.397	264	1632307	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2045775	100.407	ng	0.00
7) Phenol-d6	6.951	99	2561323	101.038	ng	0.00
23) Nitrobenzene-d5	8.934	82	1504136	67.875	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1280359	107.569	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	3945168	65.375	ng	0.00
79) Terphenyl-d14	19.792	244	5986611	74.774	ng	0.00
Target Compounds						
88) Benzo(b)fluoranthene	23.450	252	264712	2.539	ng	# 96
89) Benzo(k)fluoranthene	23.509	252	224389	2.221	ng	# 96

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

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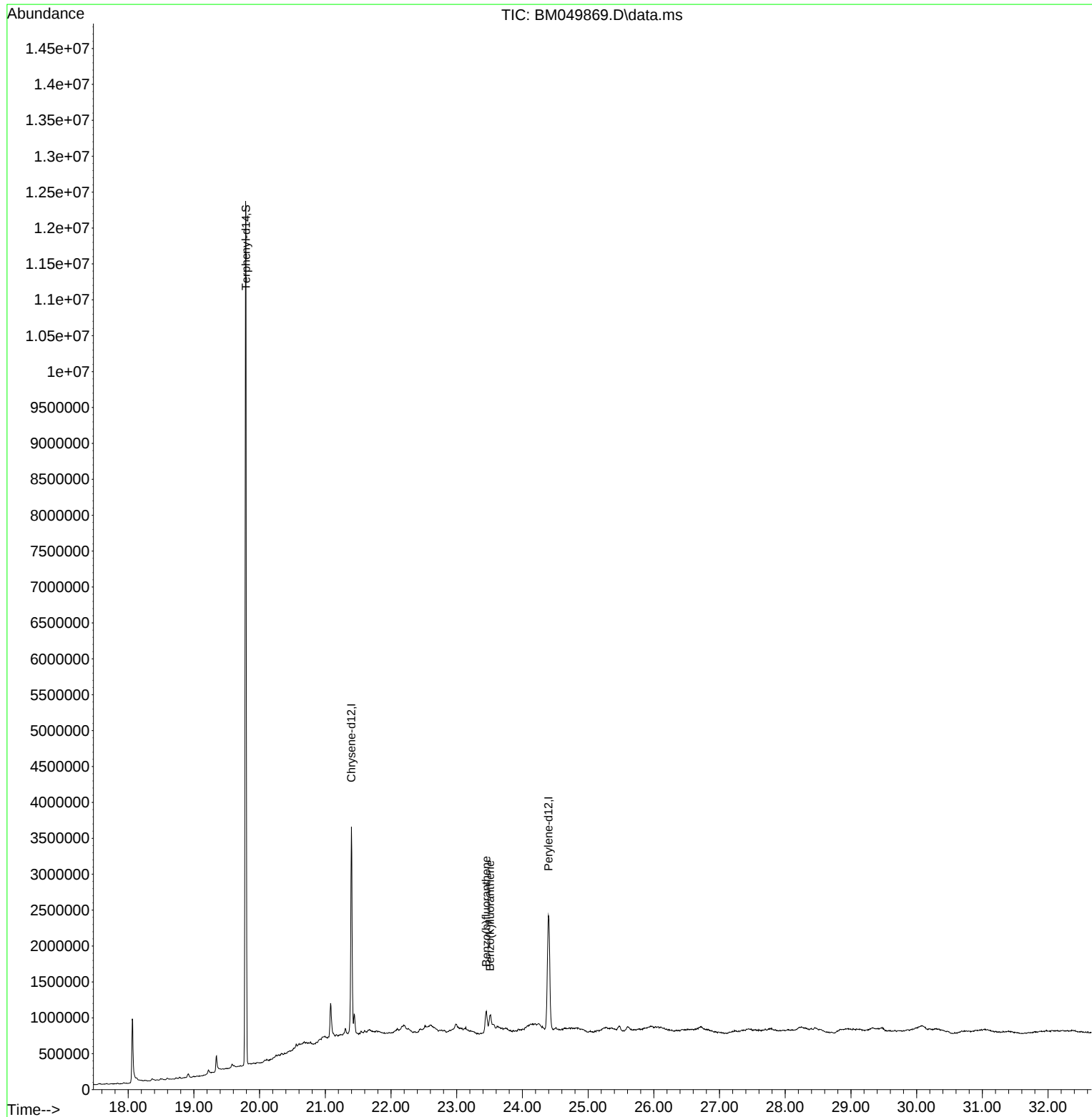
Quant Time: Apr 09 16:19:43 2025
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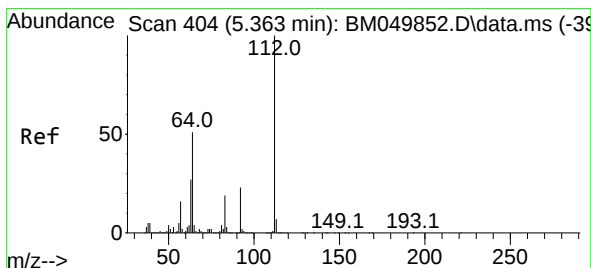
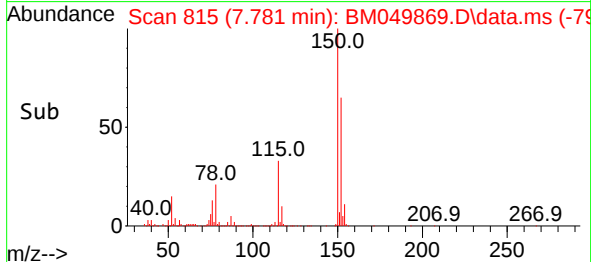
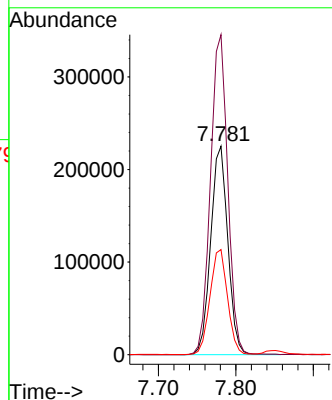
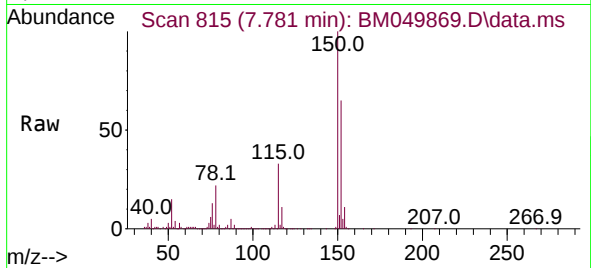




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 815
Delta R.T. -0.000 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

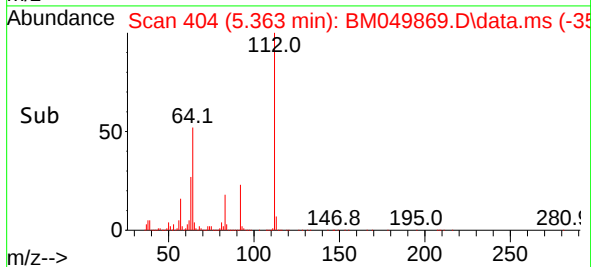
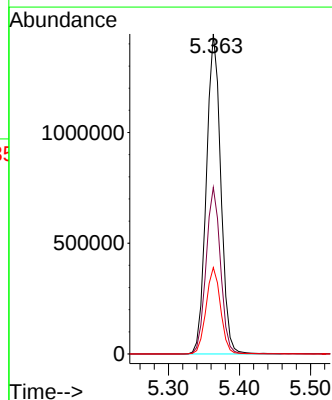
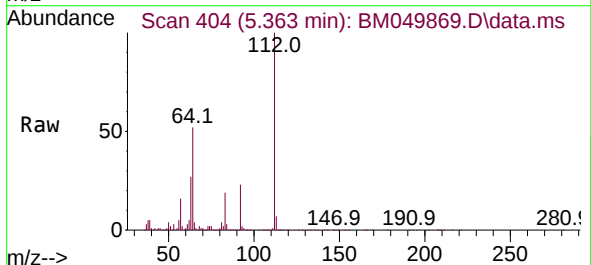
Instrument :
BNA_M
ClientSampleId :
B-158-SB02

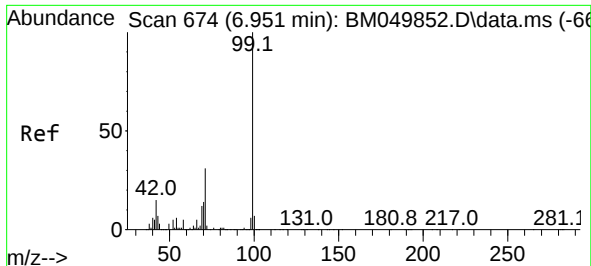
Tgt Ion:152 Resp: 345979
Ion Ratio Lower Upper
152 100
150 153.4 124.3 186.5
115 50.4 41.1 61.7



#5
2-Fluorophenol
Concen: 100.407 ng
RT: 5.363 min Scan# 404
Delta R.T. -0.000 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

Tgt Ion:112 Resp: 2045775
Ion Ratio Lower Upper
112 100
64 52.0 41.0 61.6
63 27.0 21.5 32.3



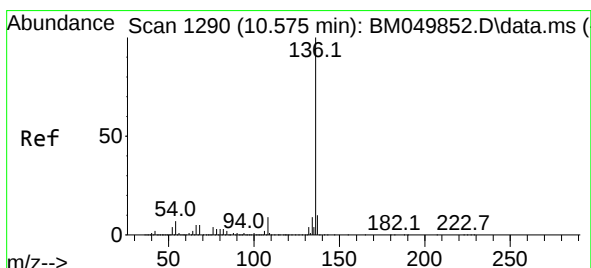
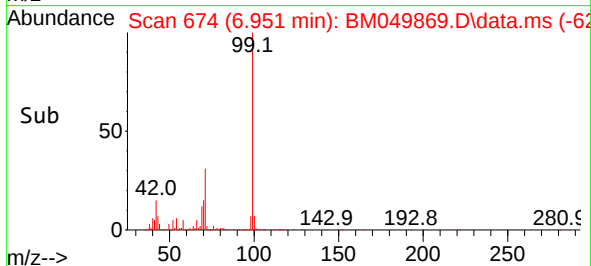
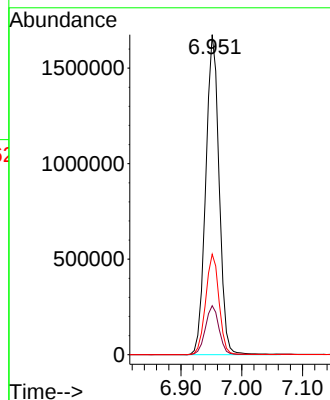
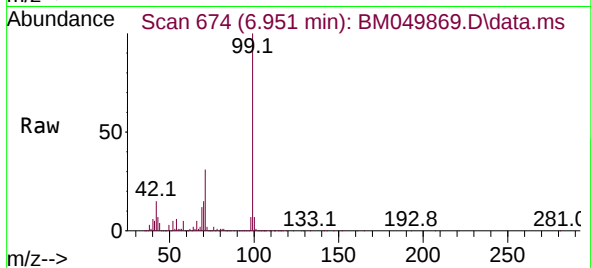


#7
Phenol-d6
Concen: 101.038 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
B-158-SB02

Tgt Ion: 99 Resp: 2561323

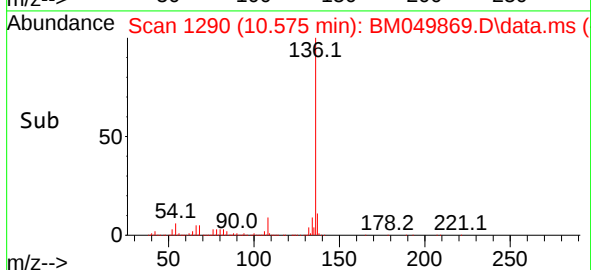
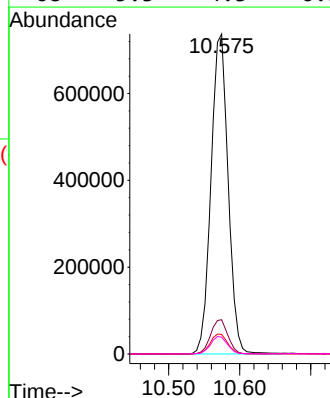
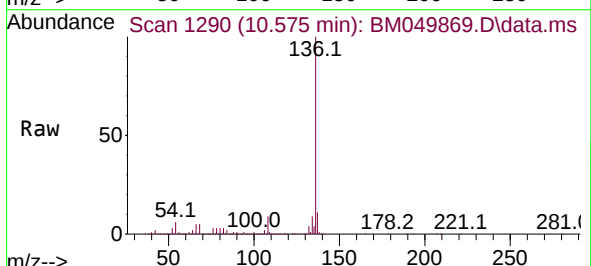
Ion	Ratio	Lower	Upper
99	100		
42	15.3	12.1	18.1
71	31.4	24.9	37.3

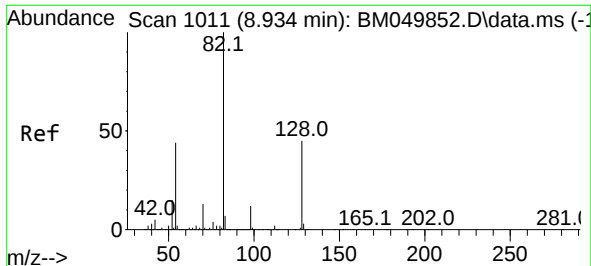


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1290
Delta R.T. -0.000 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

Tgt Ion: 136 Resp: 1233998

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	6.1	5.3	7.9
68	5.3	4.3	6.5

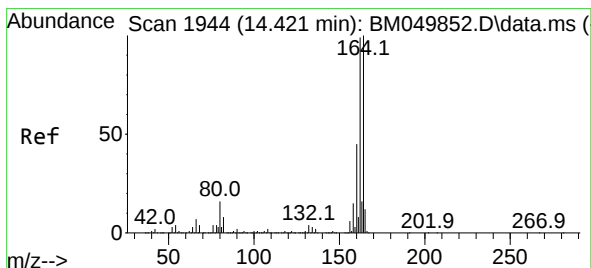
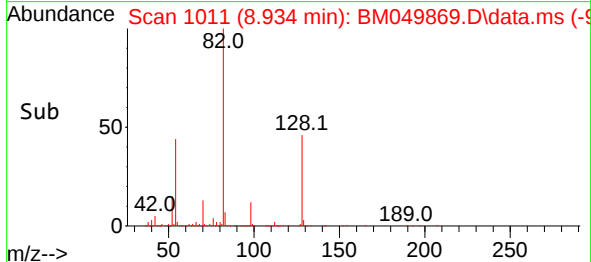
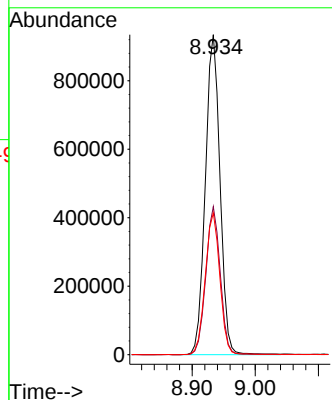
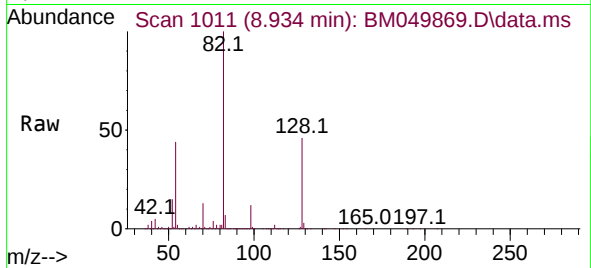




#23
Nitrobenzene-d5
Concen: 67.875 ng
RT: 8.934 min Scan# 1011
Delta R.T. -0.000 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

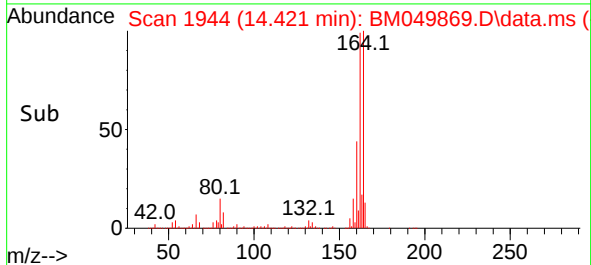
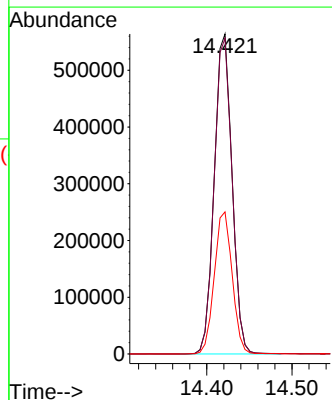
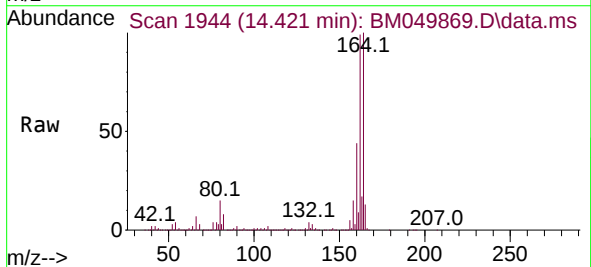
Instrument :
BNA_M
ClientSampleId :
B-158-SB02

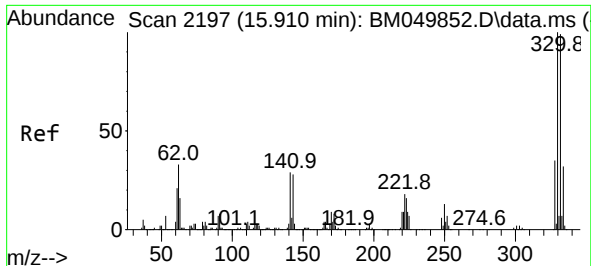
Tgt Ion: 82 Resp: 1504136
Ion Ratio Lower Upper
82 100
128 46.2 36.2 54.2
54 44.3 35.0 52.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

Tgt Ion:164 Resp: 818312
Ion Ratio Lower Upper
164 100
162 98.7 79.4 119.0
160 44.4 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 107.569 ng

RT: 15.910 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM049869.D

Acq: 09 Apr 2025 15:45

Instrument :

BNA_M

ClientSampleId :

B-158-SB02

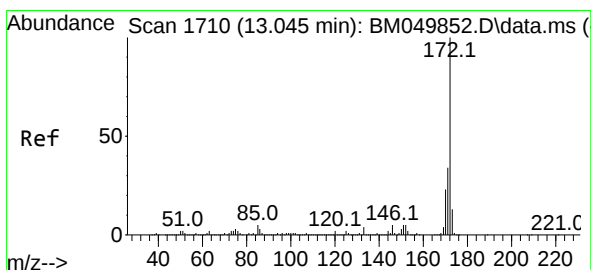
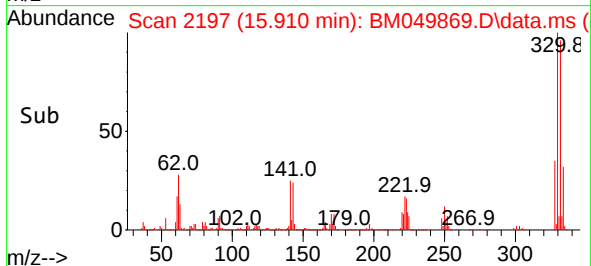
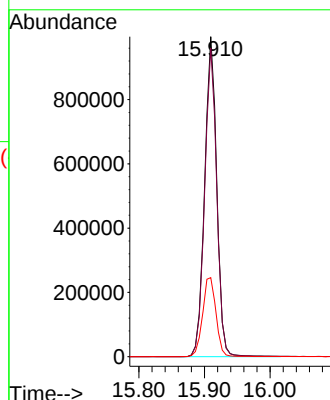
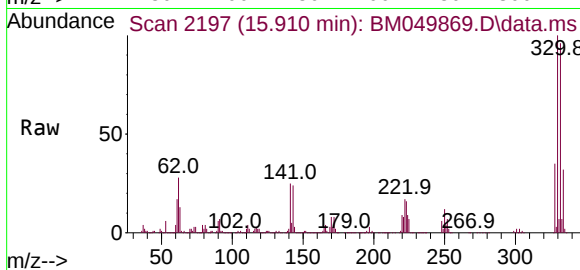
Tgt Ion:330 Resp: 1280359

Ion Ratio Lower Upper

330 100

332 96.3 78.0 117.0

141 27.5 23.5 35.3



#45

2-Fluorobiphenyl

Concen: 65.375 ng

RT: 13.039 min Scan# 1709

Delta R.T. -0.006 min

Lab File: BM049869.D

Acq: 09 Apr 2025 15:45

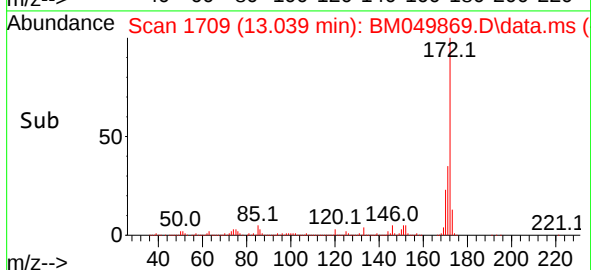
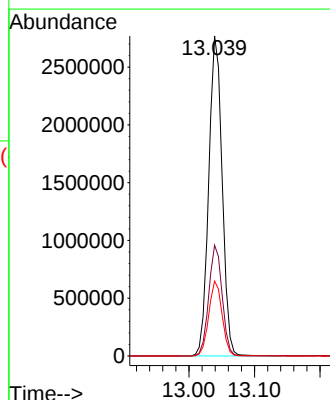
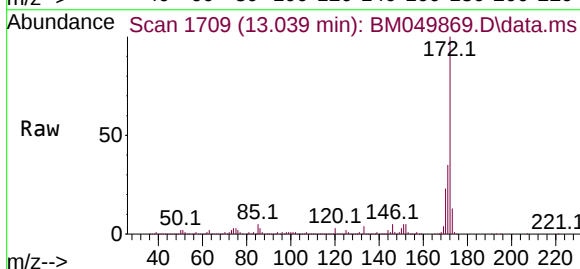
Tgt Ion:172 Resp: 3945168

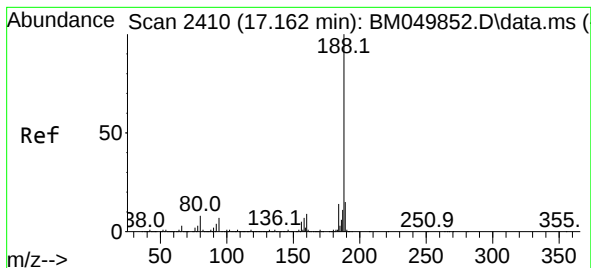
Ion Ratio Lower Upper

172 100

171 34.6 27.4 41.2

170 23.4 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.162 min Scan# 2410

Delta R.T. -0.000 min

Lab File: BM049869.D

Acq: 09 Apr 2025 15:45

Instrument :

BNA_M

ClientSampleId :

B-158-SB02

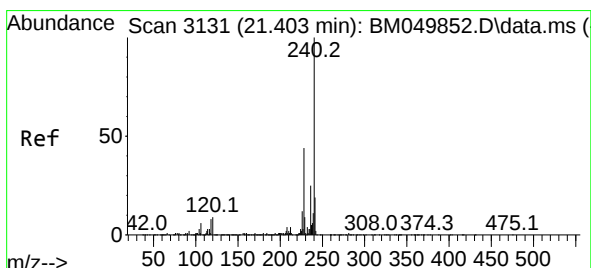
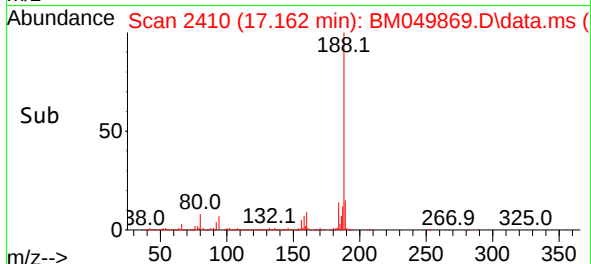
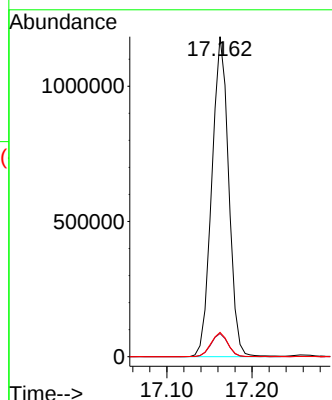
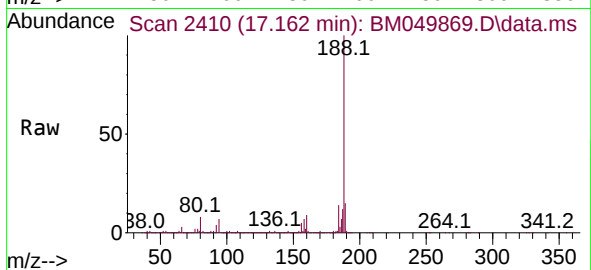
Tgt Ion:188 Resp: 1627507

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: BM049869.D

Acq: 09 Apr 2025 15:45

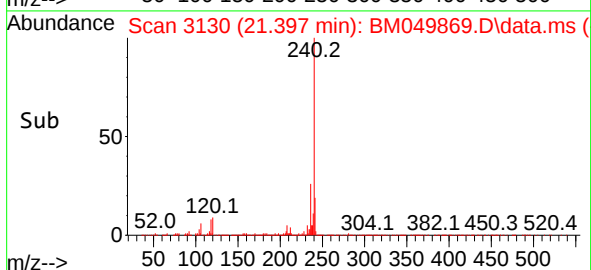
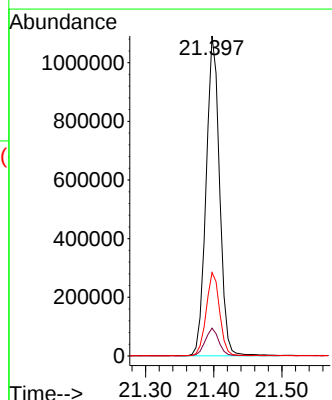
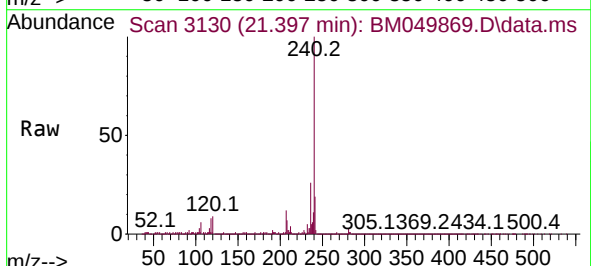
Tgt Ion:240 Resp: 1500407

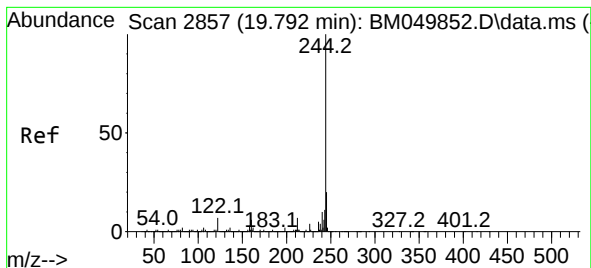
Ion Ratio Lower Upper

240 100

120 8.7 6.9 10.3

236 26.0 20.4 30.6





#79

Terphenyl-d14

Concen: 74.774 ng

RT: 19.792 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM049869.D

Acq: 09 Apr 2025 15:45

Instrument :

BNA_M

ClientSampleId :

B-158-SB02

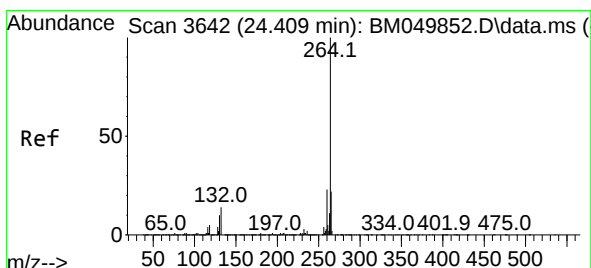
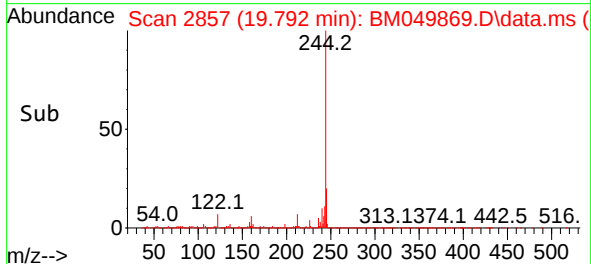
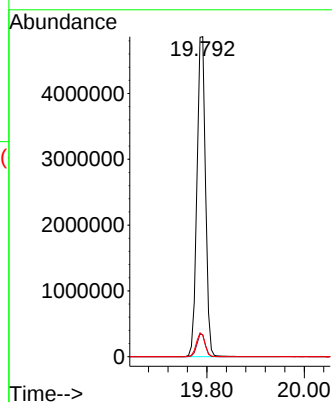
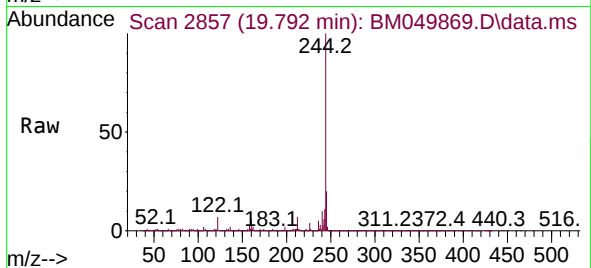
Tgt Ion:244 Resp: 5986611

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 6.8 5.4 8.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.397 min Scan# 3640

Delta R.T. -0.012 min

Lab File: BM049869.D

Acq: 09 Apr 2025 15:45

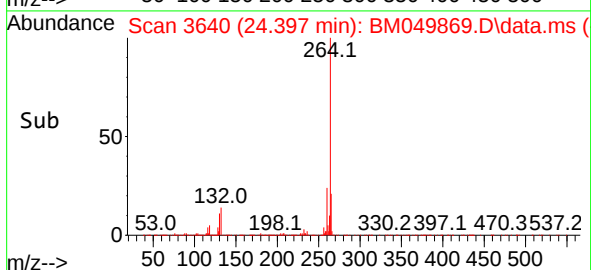
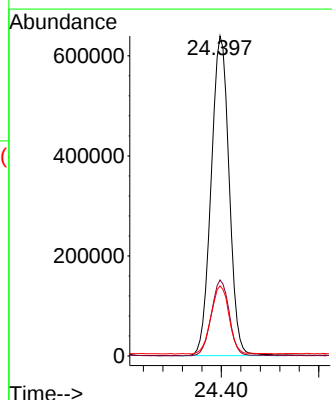
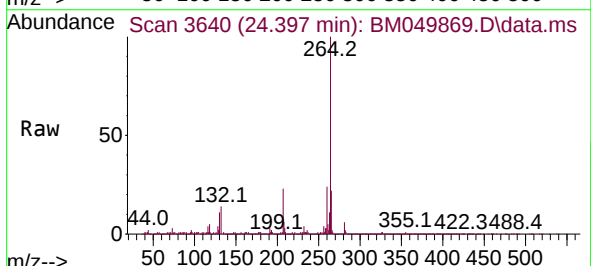
Tgt Ion:264 Resp: 1632307

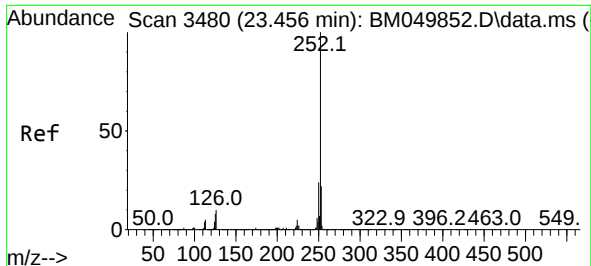
Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 21.9 17.8 26.8

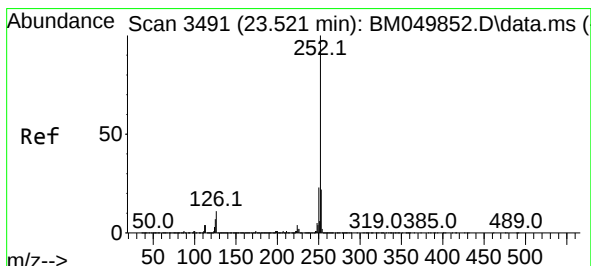
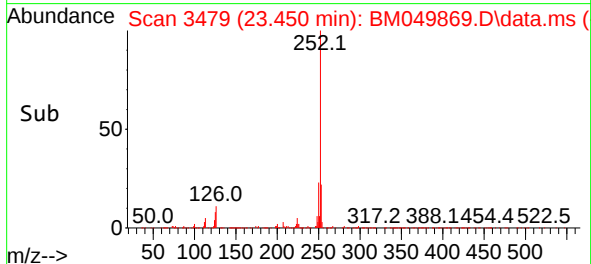
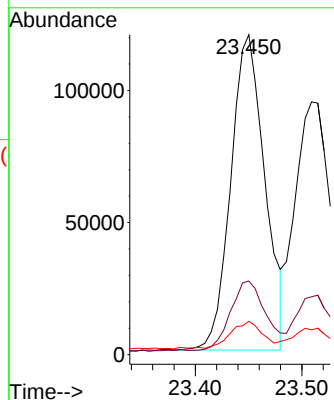
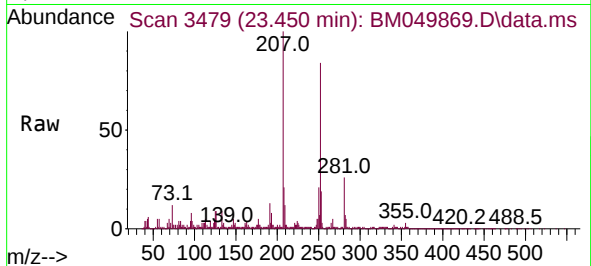




#88
Benzo(b)fluoranthene
Concen: 2.539 ng
RT: 23.450 min Scan# 3480
Delta R.T. -0.006 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
B-158-SB02

Tgt Ion:252 Resp: 264712
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.4 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 2.221 ng
RT: 23.509 min Scan# 3489
Delta R.T. -0.012 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

Tgt Ion:252 Resp: 224389
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 9.8 5.8 8.8#

