

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
 Data File : BM049891.D
 Acq On : 10 Apr 2025 19:23
 Operator : RC/JU
 Sample : Q1748-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 IB-1.5-WC

Quant Time: Apr 11 01:09:06 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)

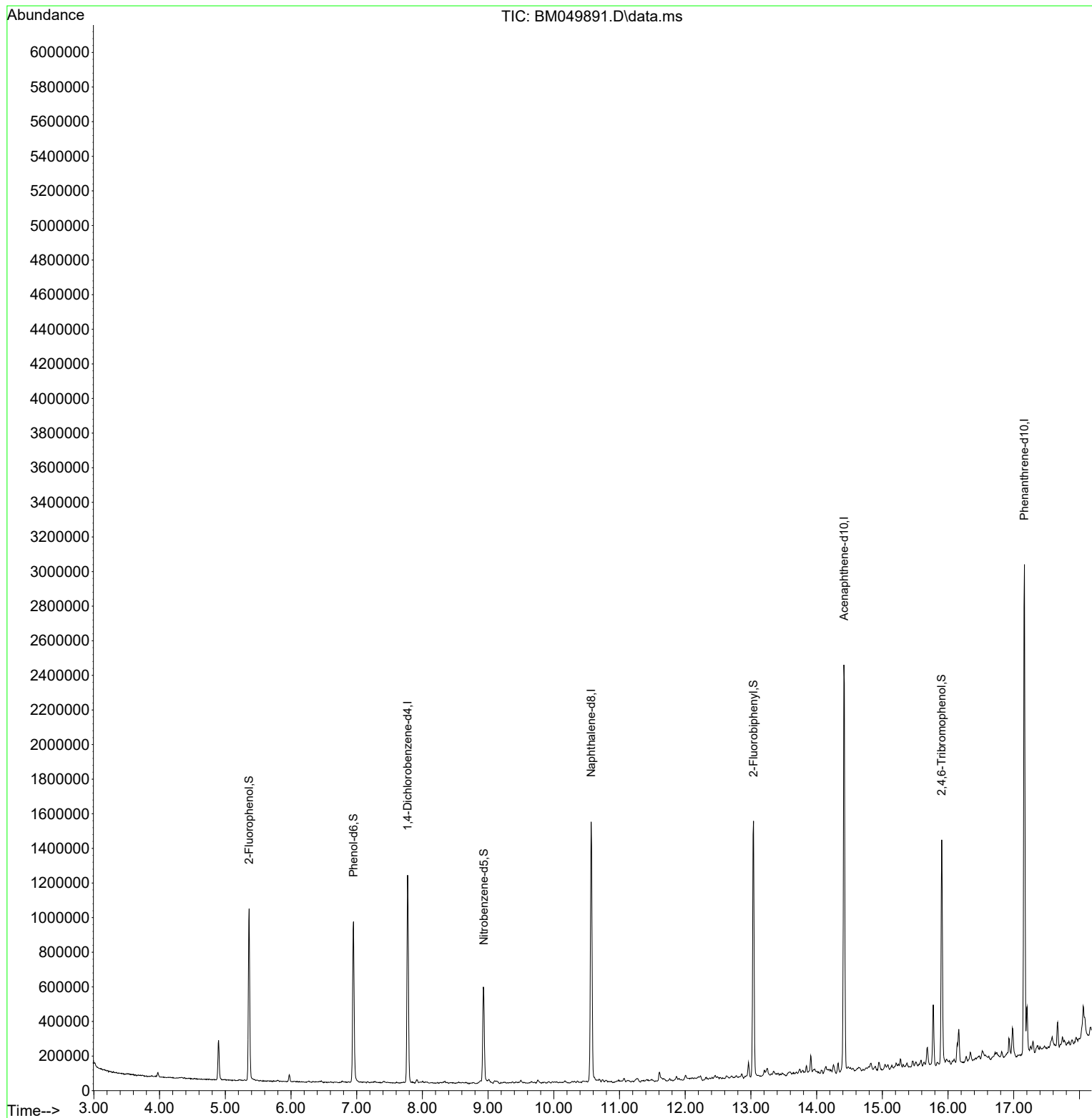
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	355998	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1289068	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	870920	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1707399	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1617320	20.000	ng	0.00
86) Perylene-d12	24.397	264	1814121	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	456909	21.794	ng	0.00
7) Phenol-d6	6.952	99	575853	22.077	ng	0.00
23) Nitrobenzene-d5	8.934	82	334369	14.444	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	268503	21.196	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	849019	13.219	ng	0.00
79) Terphenyl-d14	19.786	244	1098924	12.734	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	19.221	202	418645	3.637	ng	99
78) Pyrene	19.580	202	405904	3.642	ng	99
81) Benzo(a)anthracene	21.380	228	235572	2.192	ng	# 90
83) Chrysene	21.439	228	249763	2.444	ng	# 92
88) Benzo(b)fluoranthene	23.450	252	343675	2.966	ng	# 81
90) Benzo(a)pyrene	24.250	252	223416	2.194	ng	# 81

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

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ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
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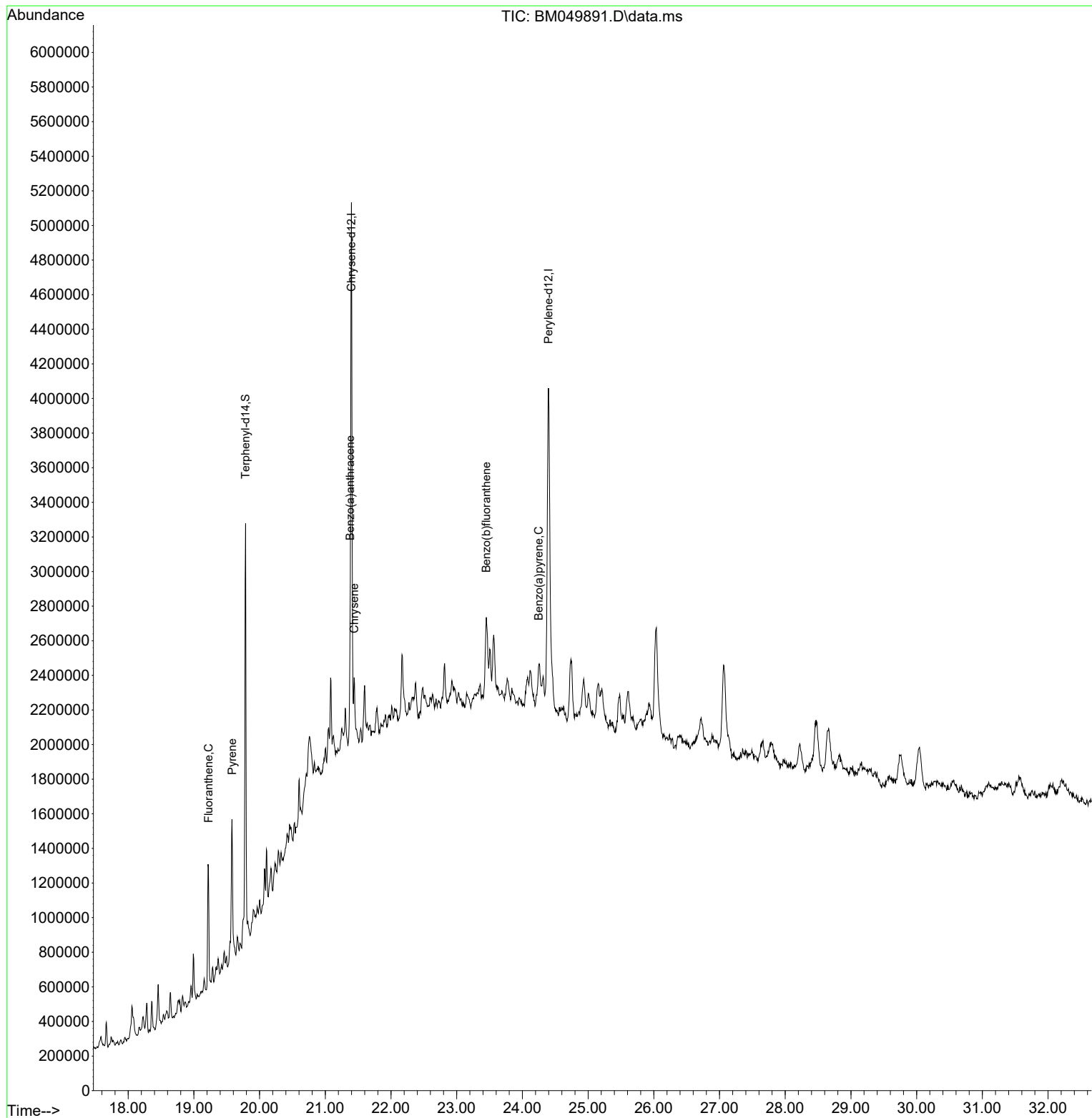
Quant Time: Apr 11 01:09:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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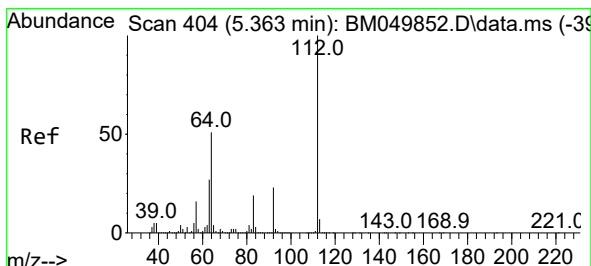
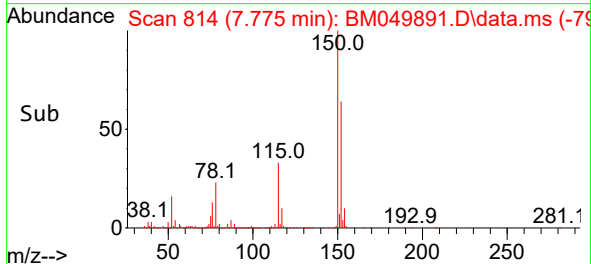
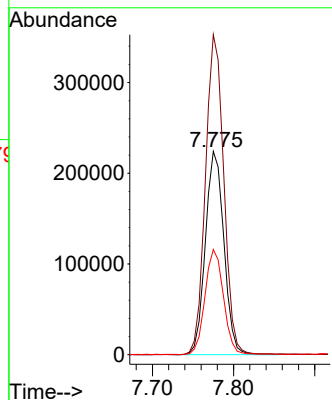
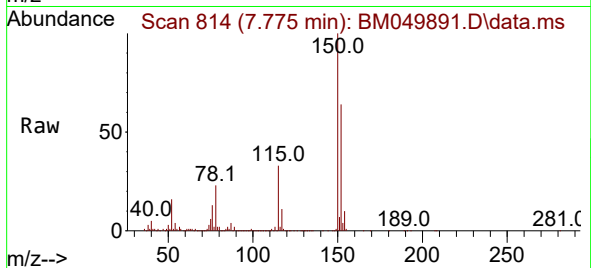




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM049891.D
Acq: 10 Apr 2025 19:23

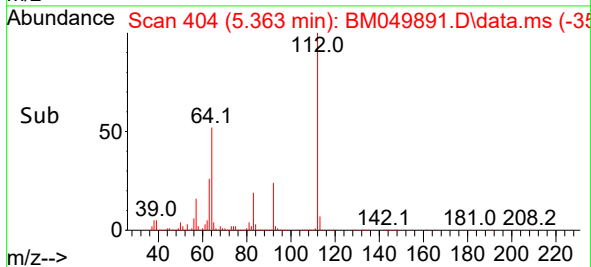
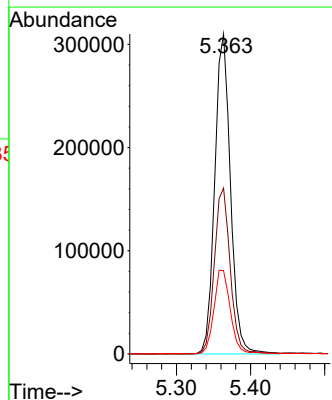
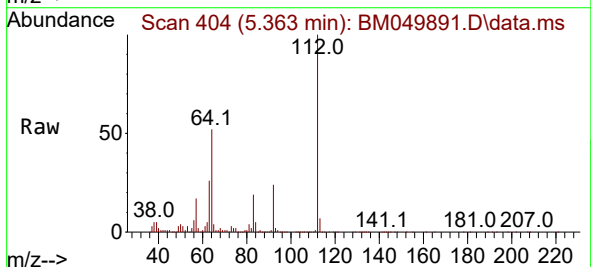
Instrument :
BNA_M
ClientSampleId :
IB-1.5-WC

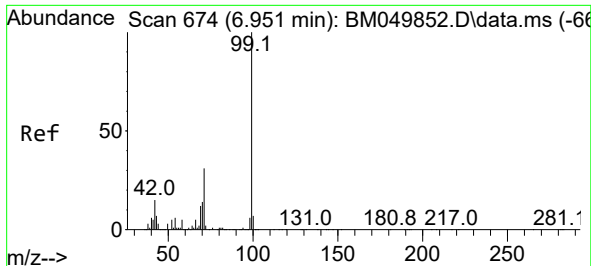
Tgt Ion:152 Resp: 355998
Ion Ratio Lower Upper
152 100
150 157.4 124.3 186.5
115 51.7 41.1 61.7



#5
2-Fluorophenol
Concen: 21.794 ng
RT: 5.363 min Scan# 404
Delta R.T. 0.000 min
Lab File: BM049891.D
Acq: 10 Apr 2025 19:23

Tgt Ion:112 Resp: 456909
Ion Ratio Lower Upper
112 100
64 51.9 41.0 61.6
63 26.0 21.5 32.3

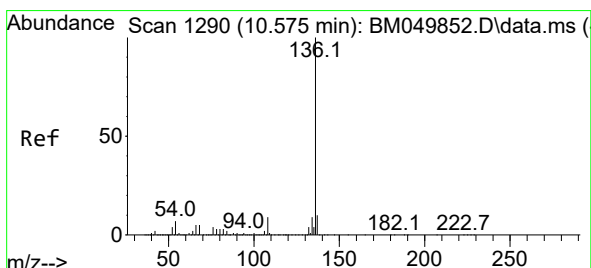
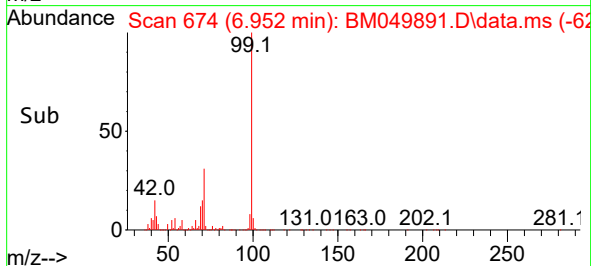
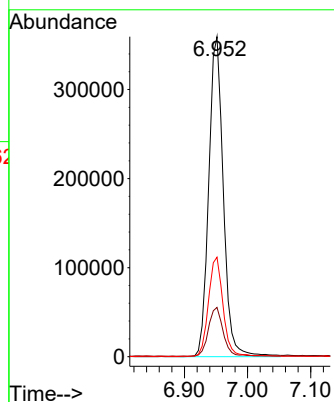
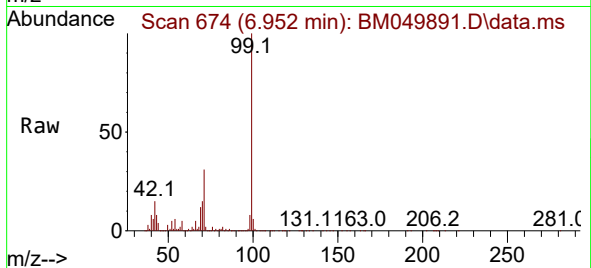




#7
Phenol-d6
Concen: 22.077 ng
RT: 6.952 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049891.D
Acq: 10 Apr 2025 19:23

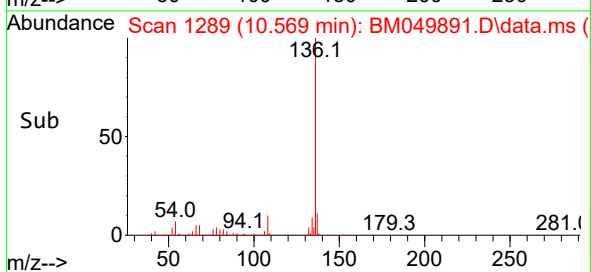
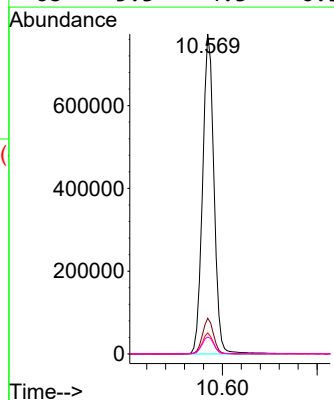
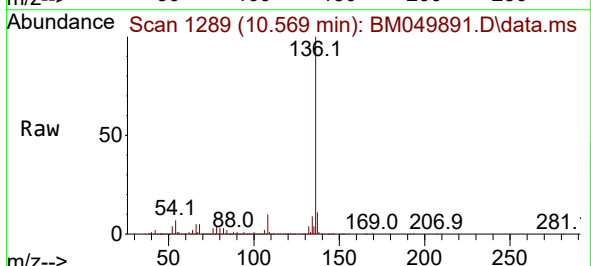
Instrument :
BNA_M
ClientSampleId :
IB-1.5-WC

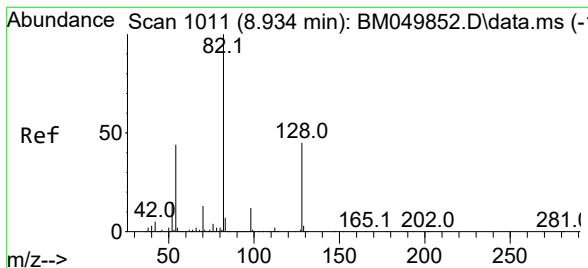
Tgt Ion: 99 Resp: 575853
Ion Ratio Lower Upper
99 100
42 15.4 12.1 18.1
71 31.1 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM049891.D
Acq: 10 Apr 2025 19:23

Tgt Ion: 136 Resp: 1289068
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 6.6 5.3 7.9
68 5.3 4.3 6.5

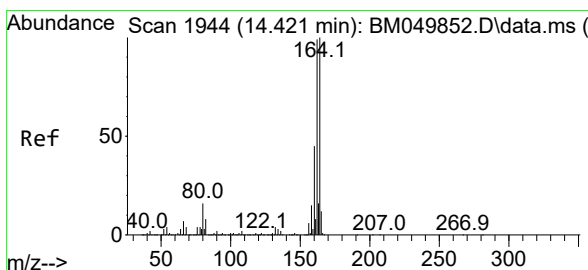
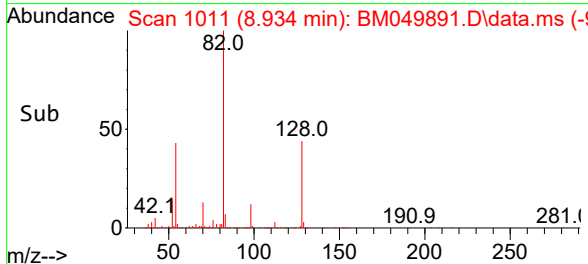
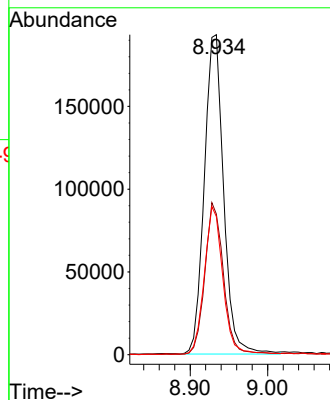
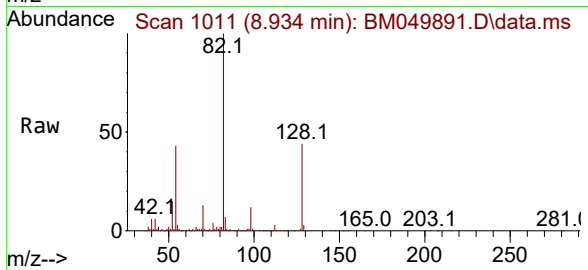




#23
Nitrobenzene-d5
Concen: 14.444 ng
RT: 8.934 min Scan# 1011
Delta R.T. 0.000 min
Lab File: BM049891.D
Acq: 10 Apr 2025 19:23

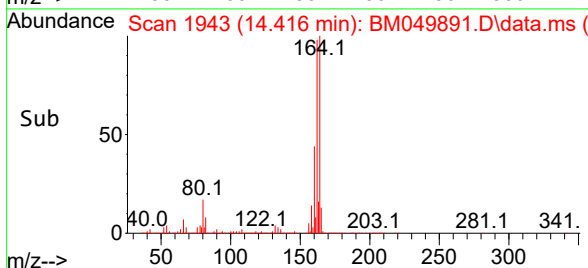
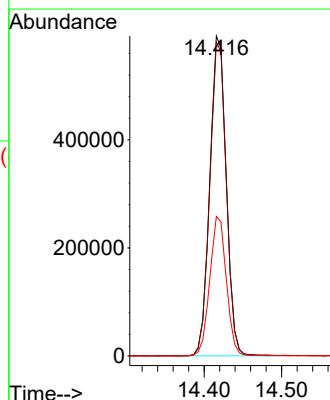
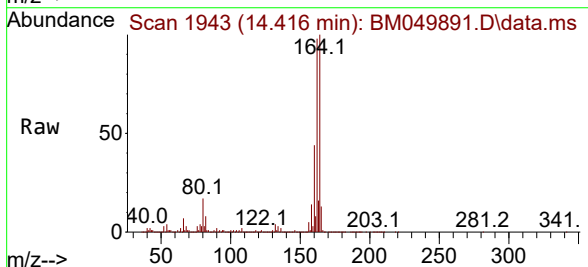
Instrument :
BNA_M
ClientSampleId :
IB-1.5-WC

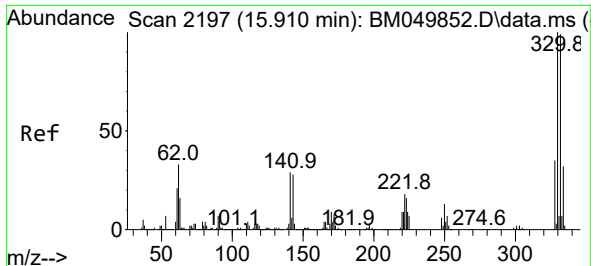
Tgt Ion: 82 Resp: 334369
Ion Ratio Lower Upper
82 100
128 44.0 36.2 54.2
54 43.1 35.0 52.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049891.D
Acq: 10 Apr 2025 19:23

Tgt Ion:164 Resp: 870920
Ion Ratio Lower Upper
164 100
162 98.0 79.4 119.0
160 43.6 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 21.196 ng

RT: 15.904 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049891.D

Acq: 10 Apr 2025 19:23

Instrument :

BNA_M

ClientSampleId :

IB-1.5-WC

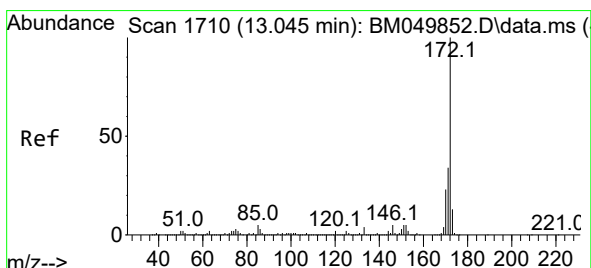
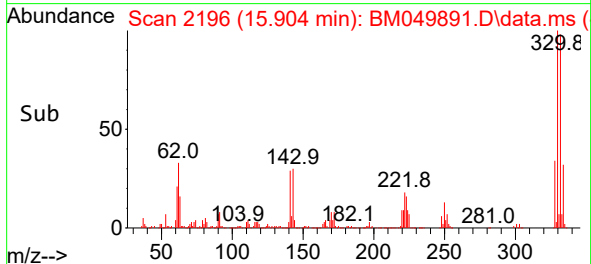
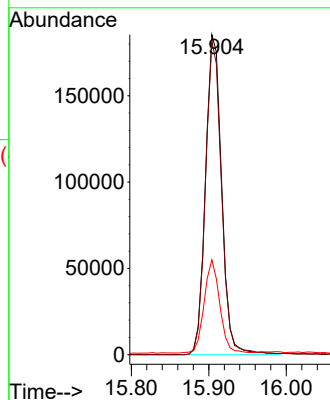
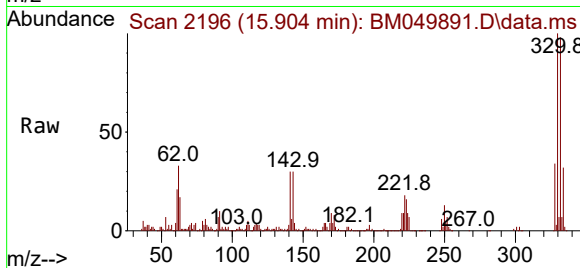
Tgt Ion:330 Resp: 268503

Ion Ratio Lower Upper

330 100

332 97.1 78.0 117.0

141 27.9 23.5 35.3



#45

2-Fluorobiphenyl

Concen: 13.219 ng

RT: 13.039 min Scan# 1709

Delta R.T. -0.006 min

Lab File: BM049891.D

Acq: 10 Apr 2025 19:23

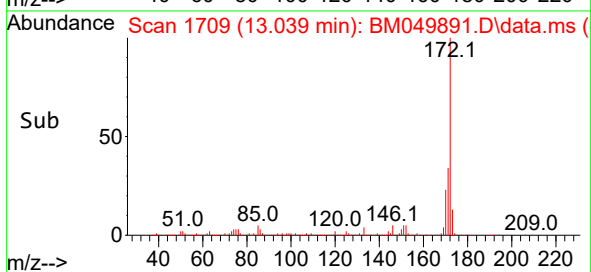
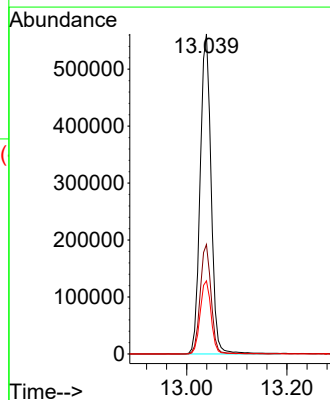
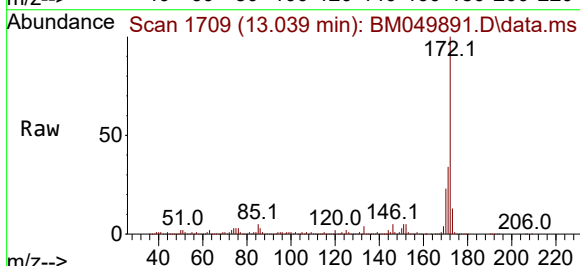
Tgt Ion:172 Resp: 849019

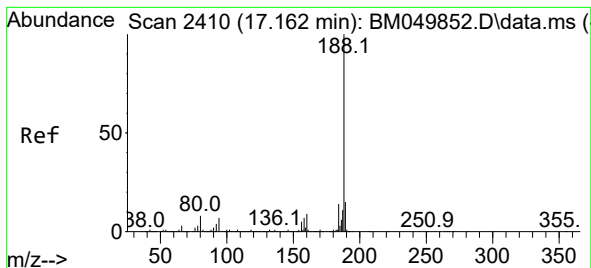
Ion Ratio Lower Upper

172 100

171 34.2 27.4 41.2

170 22.9 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.163 min Scan# 2410

Delta R.T. 0.000 min

Lab File: BM049891.D

Acq: 10 Apr 2025 19:23

Instrument :

BNA_M

ClientSampleId :

IB-1.5-WC

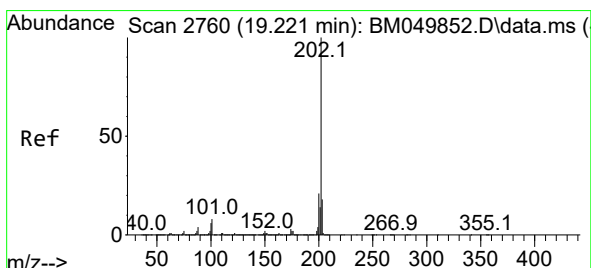
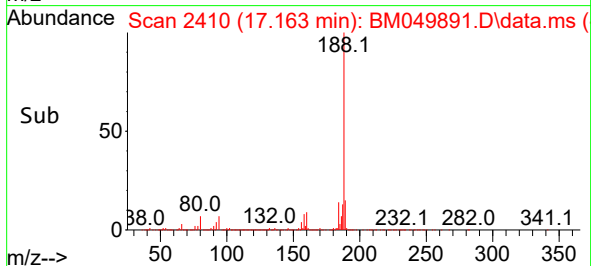
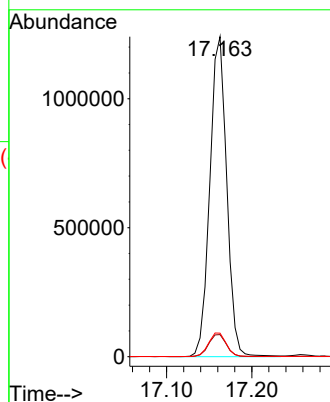
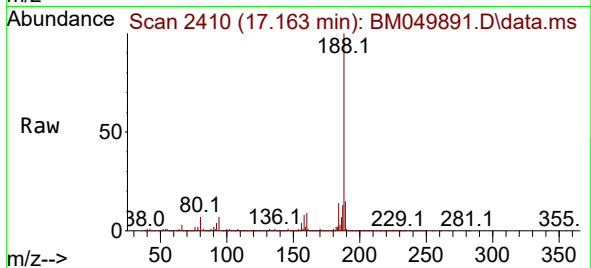
Tgt Ion:188 Resp: 1707399

Ion Ratio Lower Upper

188 100

94 6.9 5.8 8.6

80 7.3 6.4 9.6



#75

Fluoranthene

Concen: 3.637 ng

RT: 19.221 min Scan# 2760

Delta R.T. 0.000 min

Lab File: BM049891.D

Acq: 10 Apr 2025 19:23

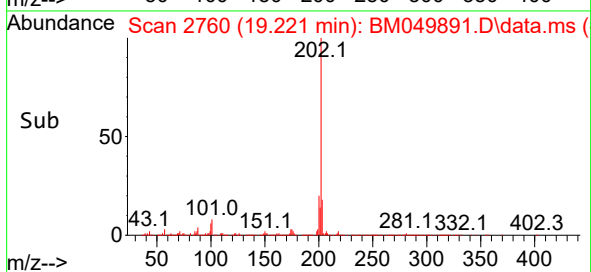
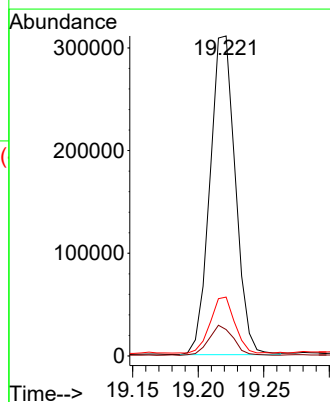
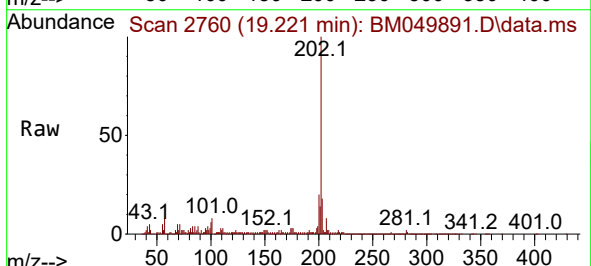
Tgt Ion:202 Resp: 418645

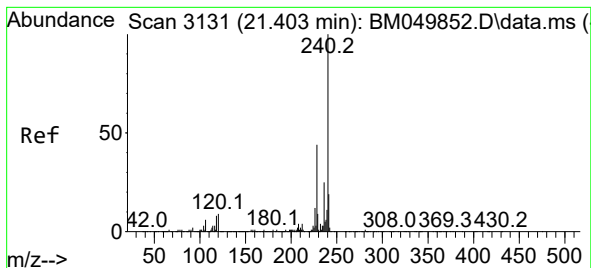
Ion Ratio Lower Upper

202 100

101 8.3 0.0 28.4

203 18.4 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.398 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM049891.D

Acq: 10 Apr 2025 19:23

Instrument :

BNA_M

ClientSampleId :

IB-1.5-WC

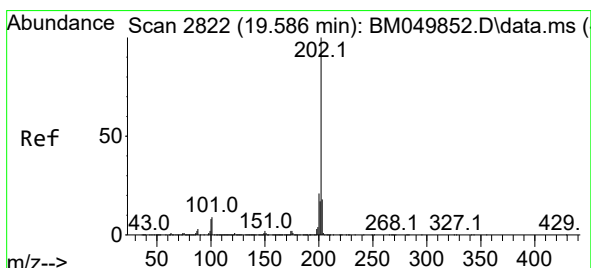
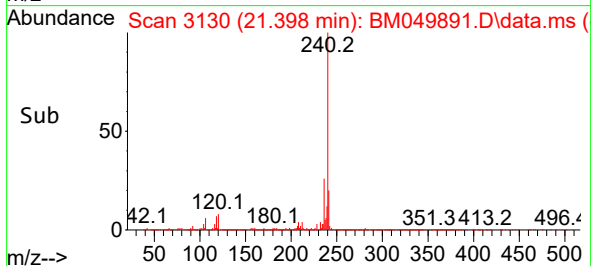
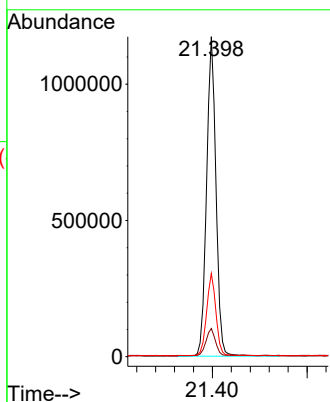
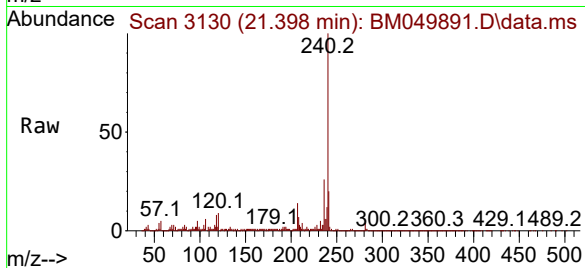
Tgt Ion:240 Resp: 1617320

Ion Ratio Lower Upper

240 100

120 8.8 6.9 10.3

236 26.0 20.4 30.6



#78

Pyrene

Concen: 3.642 ng

RT: 19.580 min Scan# 2821

Delta R.T. -0.006 min

Lab File: BM049891.D

Acq: 10 Apr 2025 19:23

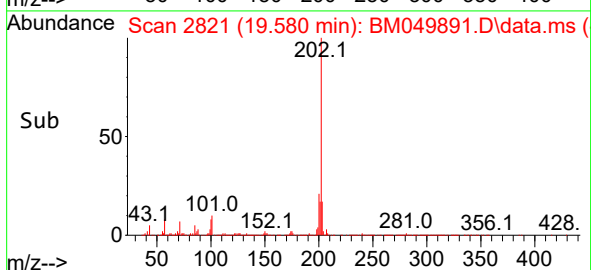
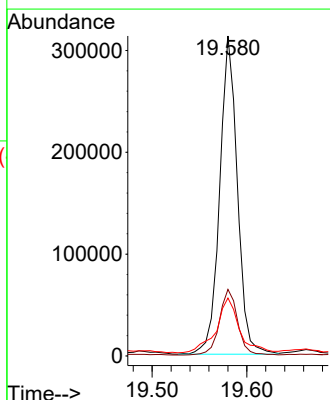
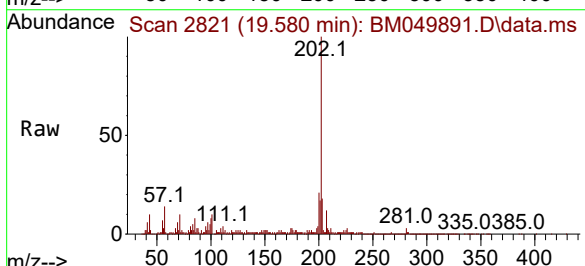
Tgt Ion:202 Resp: 405904

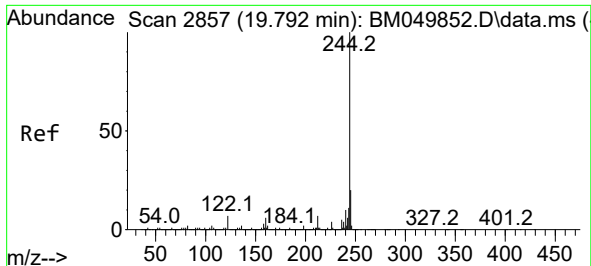
Ion Ratio Lower Upper

202 100

200 20.8 16.5 24.7

203 18.1 14.0 21.0

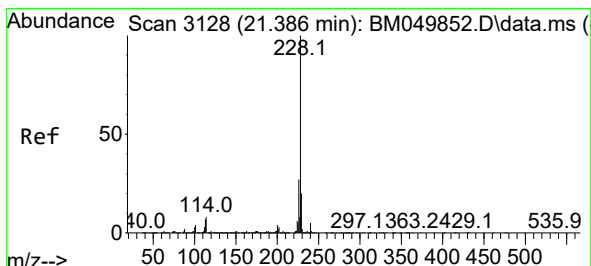
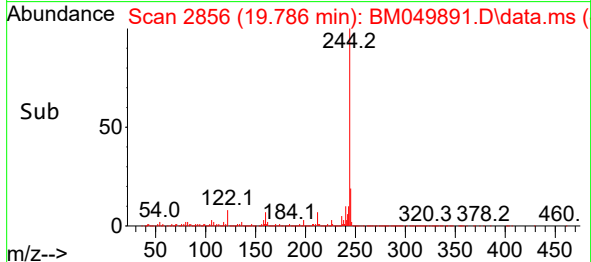
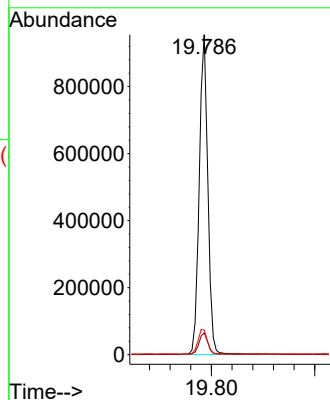
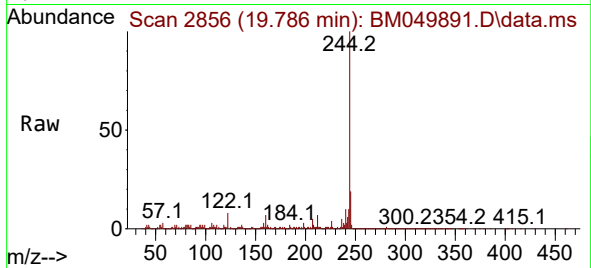




#79
 Terphenyl-d14
 Concen: 12.734 ng
 RT: 19.786 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM049891.D
 Acq: 10 Apr 2025 19:23

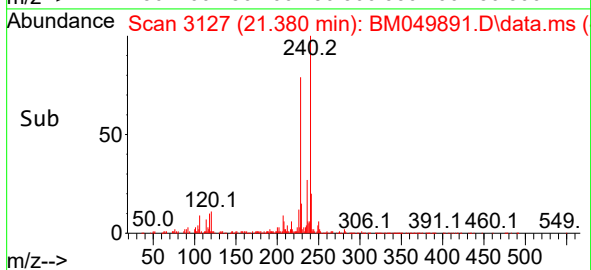
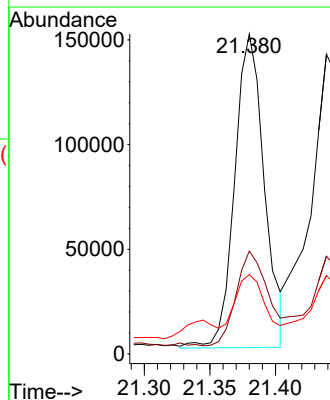
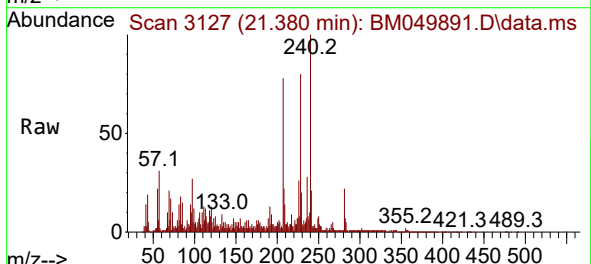
Instrument :
 BNA_M
 ClientSampleId :
 IB-1.5-WC

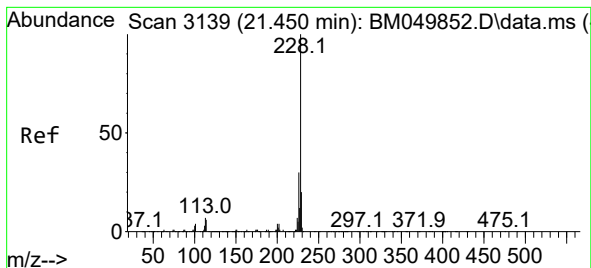
Tgt Ion:244 Resp: 1098924
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 7.7 5.4 8.0



#81
 Benzo(a)anthracene
 Concen: 2.192 ng
 RT: 21.380 min Scan# 3127
 Delta R.T. -0.006 min
 Lab File: BM049891.D
 Acq: 10 Apr 2025 19:23

Tgt Ion:228 Resp: 235572
 Ion Ratio Lower Upper
 228 100
 226 32.2 21.8 32.8
 229 24.8 15.8 23.8#





#83

Chrysene

Concen: 2.444 ng

RT: 21.439 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM049891.D

Acq: 10 Apr 2025 19:23

Instrument :

BNA_M

ClientSampleId :

IB-1.5-WC

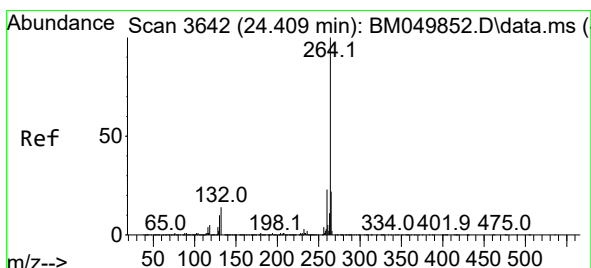
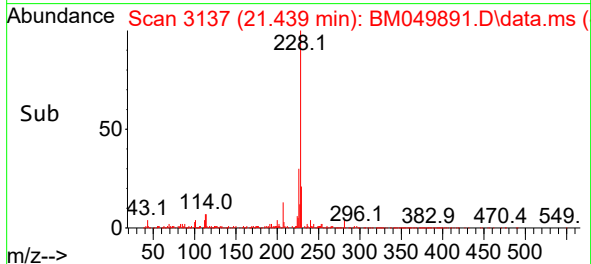
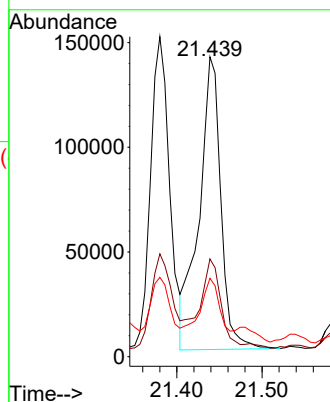
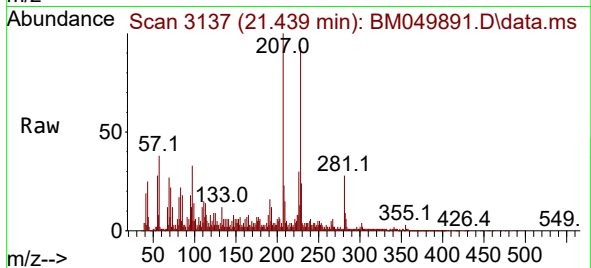
Tgt Ion:228 Resp: 249763

Ion Ratio Lower Upper

228 100

226 32.6 24.1 36.1

229 26.1 15.8 23.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.397 min Scan# 3640

Delta R.T. -0.012 min

Lab File: BM049891.D

Acq: 10 Apr 2025 19:23

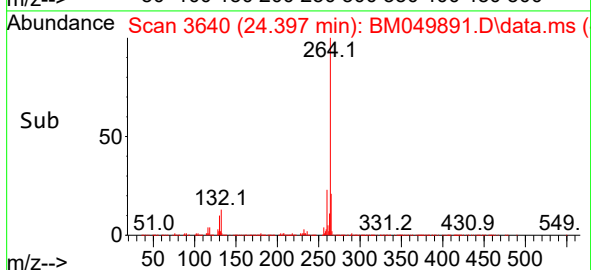
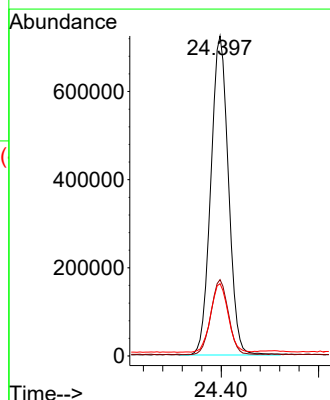
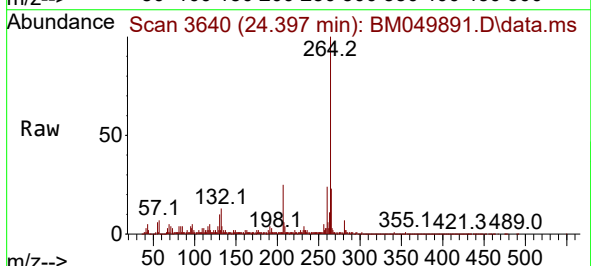
Tgt Ion:264 Resp: 1814121

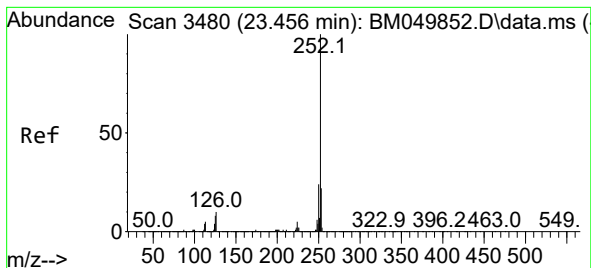
Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

265 22.6 17.8 26.8





#88

Benzo(b)fluoranthene

Concen: 2.966 ng

RT: 23.450 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM049891.D

Acq: 10 Apr 2025 19:23

Instrument :

BNA_M

ClientSampleId :

IB-1.5-WC

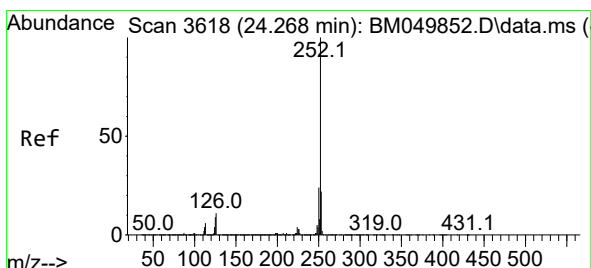
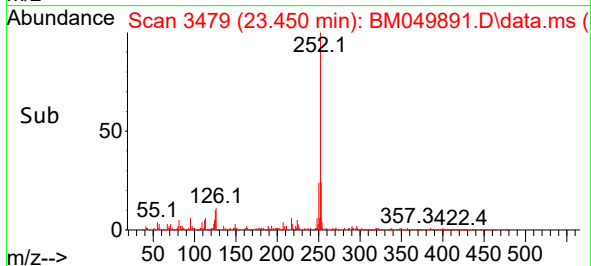
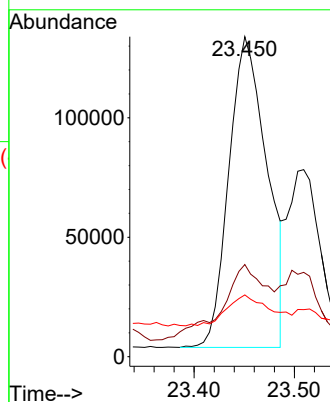
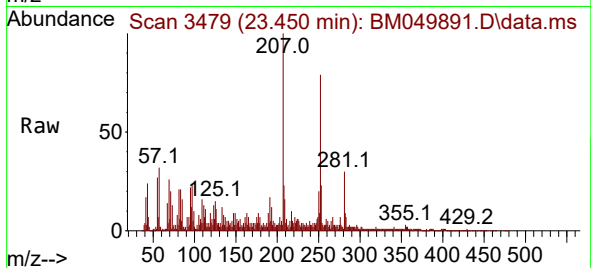
Tgt Ion:252 Resp: 343675

Ion Ratio Lower Upper

252 100

253 28.8 17.5 26.3#

125 19.3 6.2 9.4#



#90

Benzo(a)pyrene

Concen: 2.194 ng

RT: 24.250 min Scan# 3615

Delta R.T. -0.017 min

Lab File: BM049891.D

Acq: 10 Apr 2025 19:23

Tgt Ion:252 Resp: 223416

Ion Ratio Lower Upper

252 100

253 28.6 17.8 26.8#

125 21.2 7.0 10.4#

