

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)

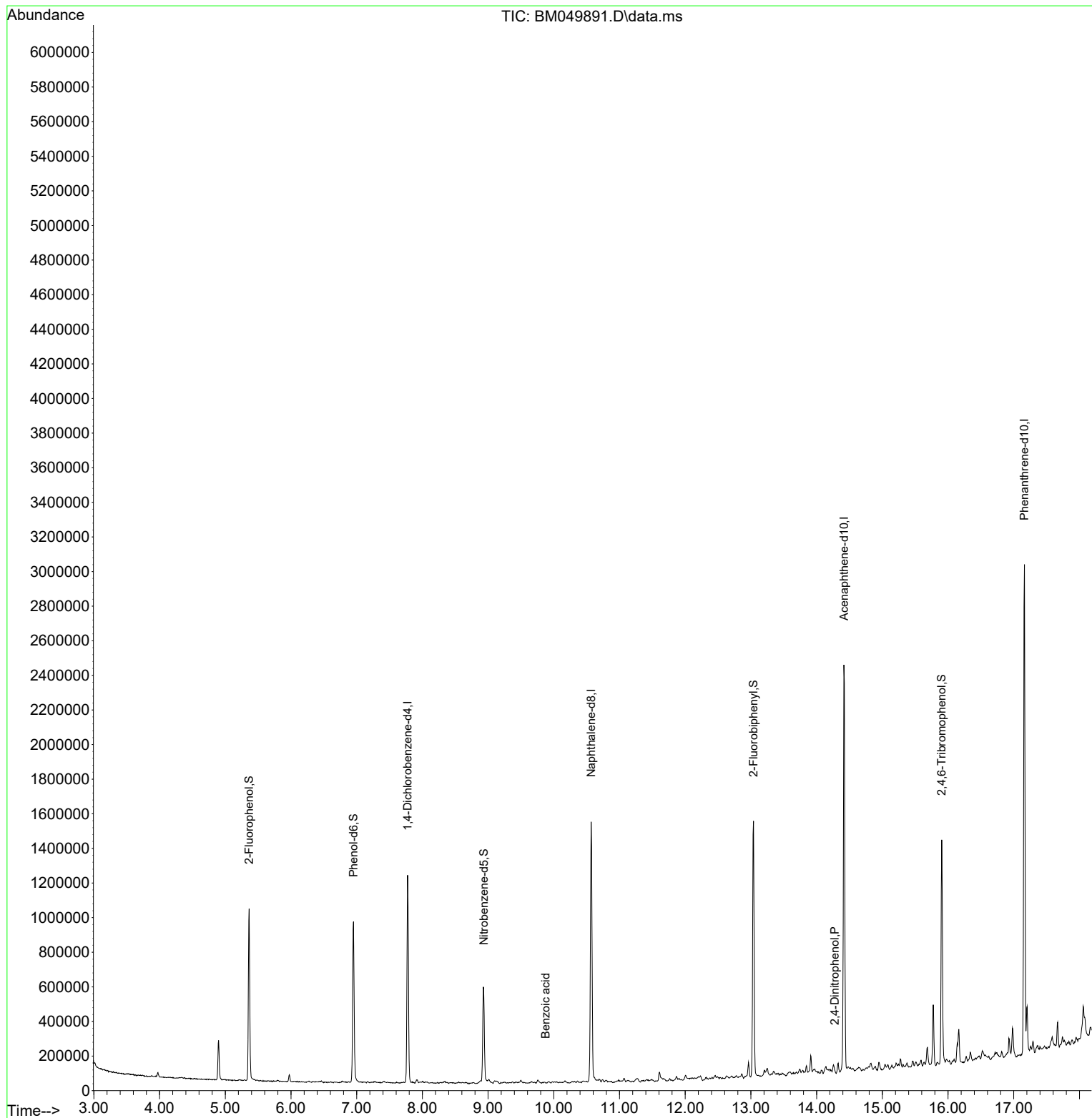
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	355998	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1289068	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	870920	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1707399	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1617320	20.000	ng	0.00
86) Perylene-d12	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
32) Benzoic acid	9.875	122	310	8.554	ng	# 1
54) 2,4-Dinitrophenol	14.275	184	56	7.230	ng	# 1
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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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
IB-1.5-WC

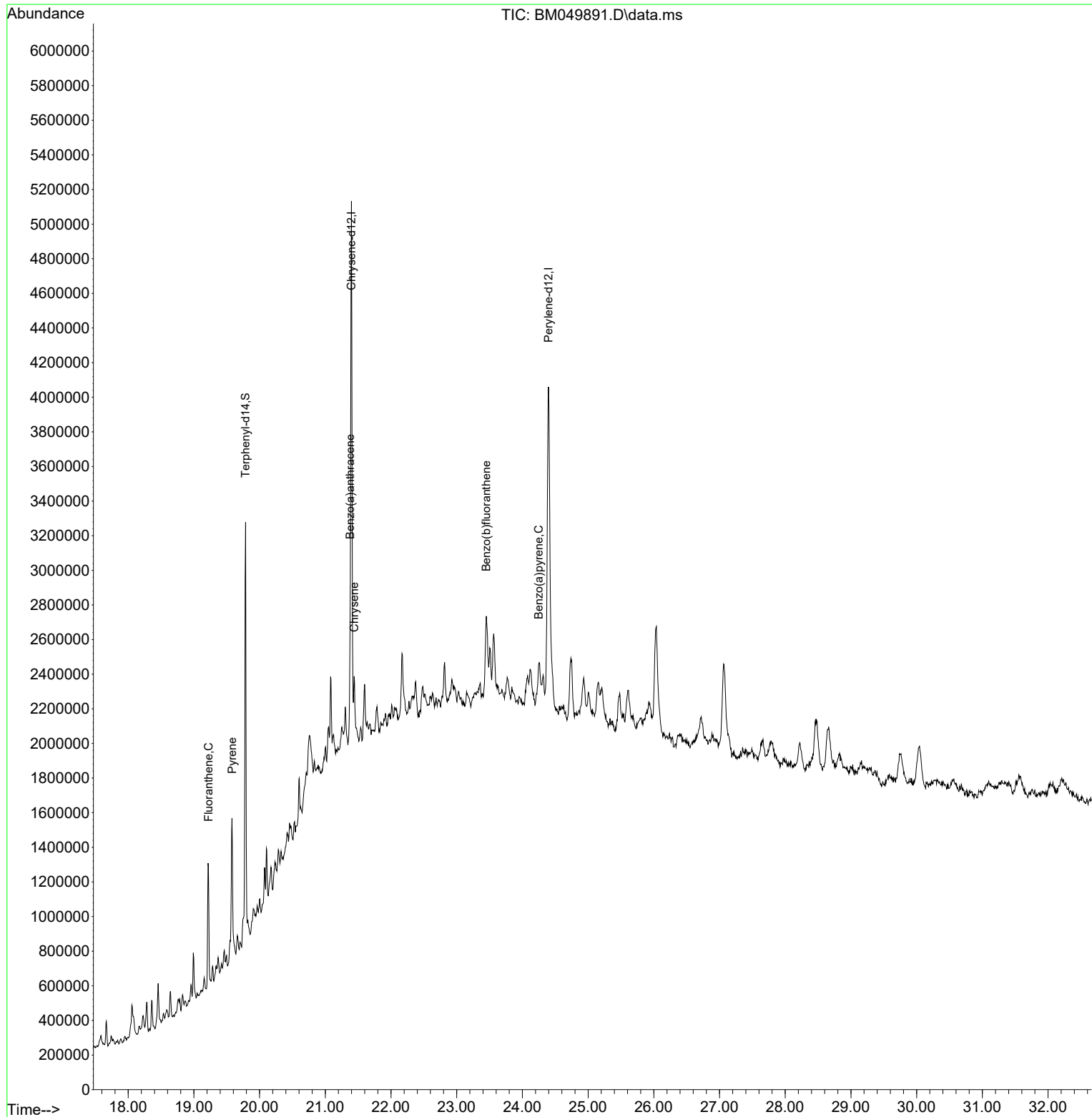
Quant Time: Apr 11 01:09:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

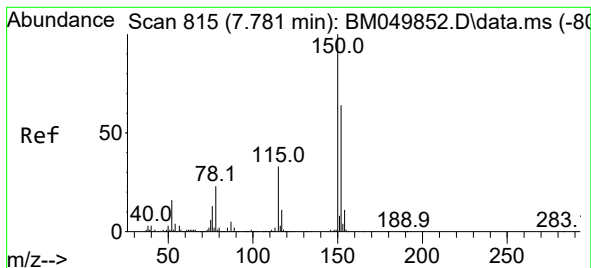


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
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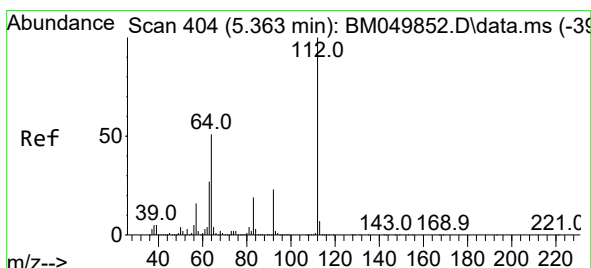
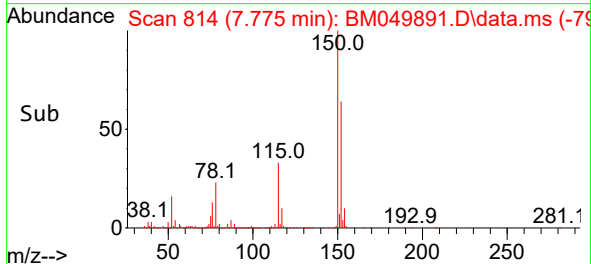
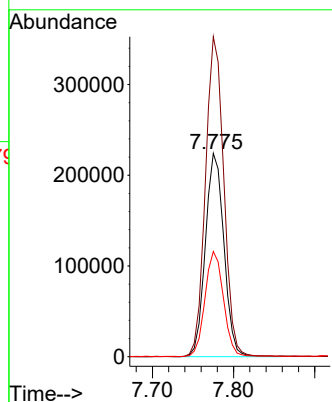
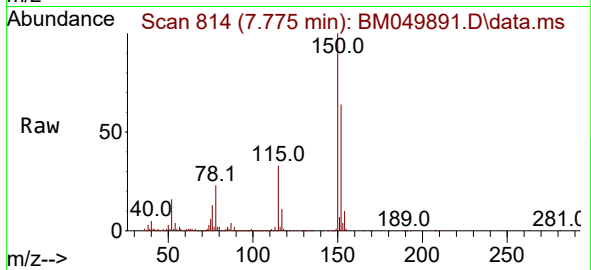




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM049891.D
Acq: 10 Apr 2025 19:23

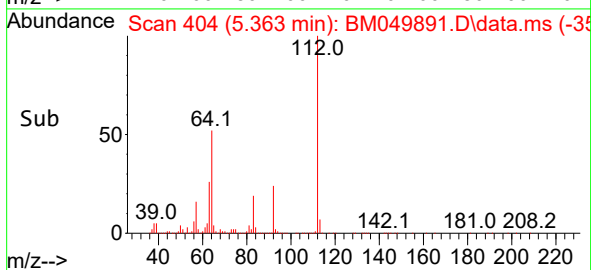
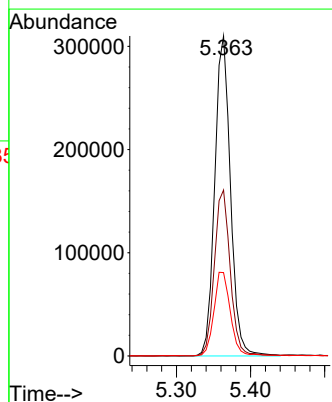
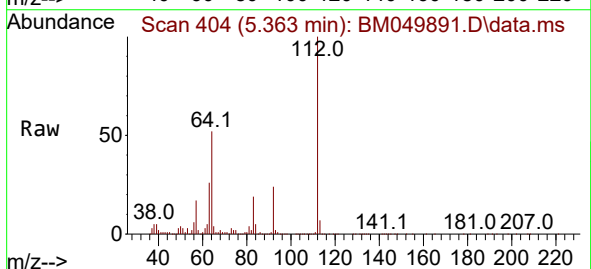
Instrument :
BNA_M
ClientSampleId :
IB-1.5-WC

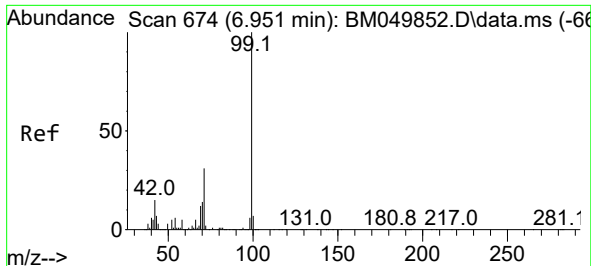
Tgt Ion:152 Resp: 355998
Ion Ratio Lower Upper
152 100
150 157.4 124.3 186.5
115 51.7 41.1 61.7



#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

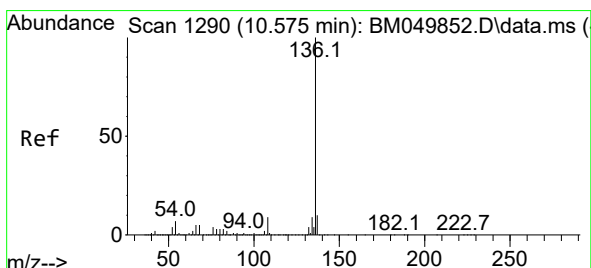
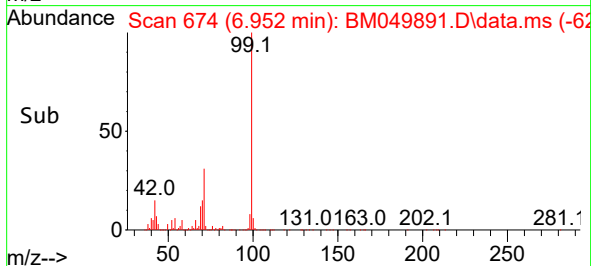
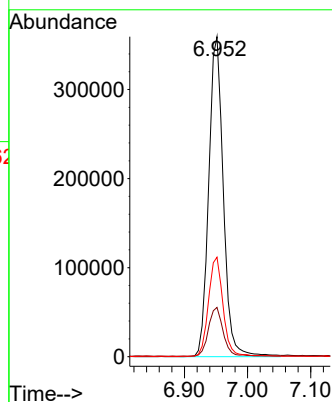
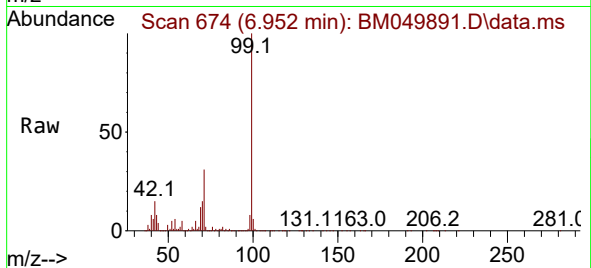




#7
Phenol-d6
Concen: 22.077 ng
RT: 6.952 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049891.D
Acq: 10 Apr 2025 19:23

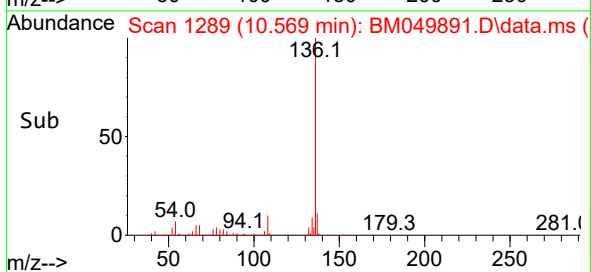
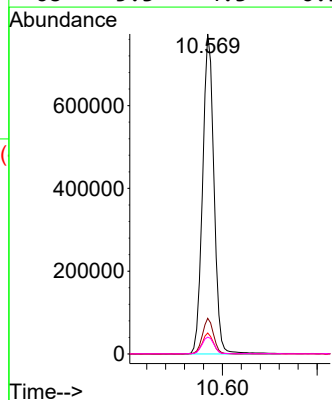
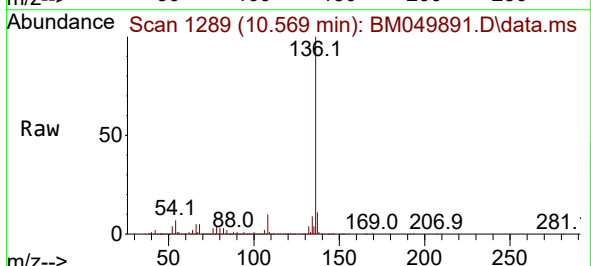
Instrument :
BNA_M
ClientSampleId :
IB-1.5-WC

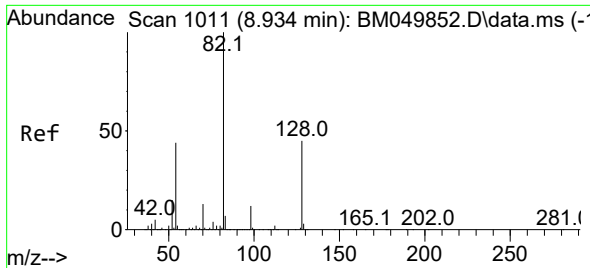
Tgt Ion: 99 Resp: 575853
Ion Ratio Lower Upper
99 100
42 15.4 12.1 18.1
71 31.1 24.9 37.3



#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

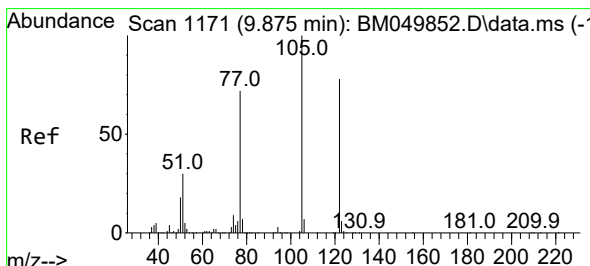
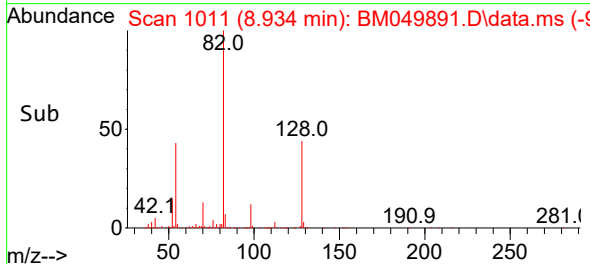
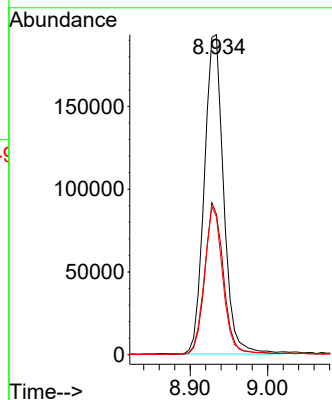
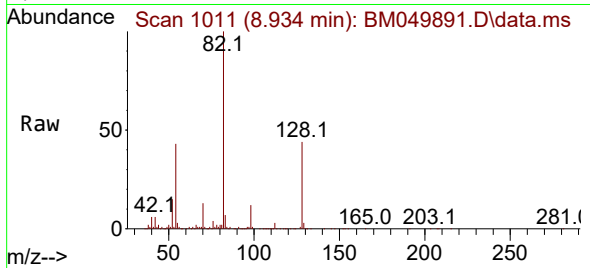




#23
Nitrobenzene-d5
Concen: 14.444 ng
RT: 8.934 min Scan# 1011
Delta R.T. 0.000 min
Lab File: BM049891.D
Acq: 10 Apr 2025 19:23

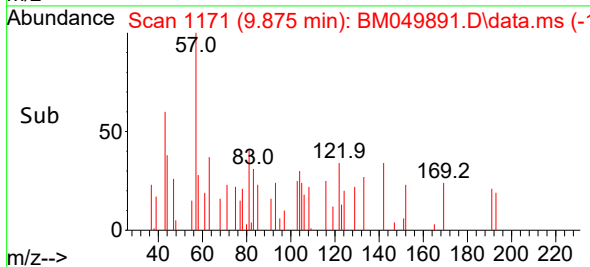
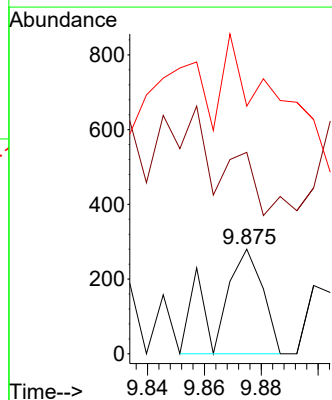
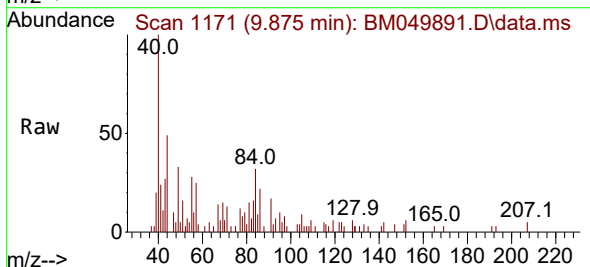
Instrument :
BNA_M
ClientSampleId :
IB-1.5-WC

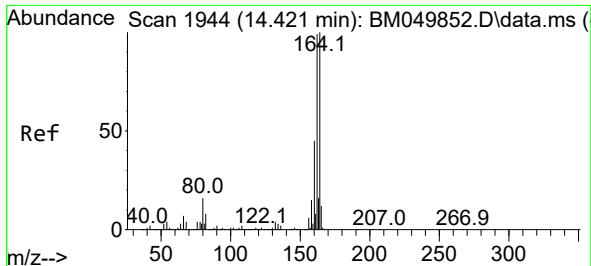
Tgt Ion: 82 Resp: 334369
Ion Ratio Lower Upper
82 100
128 44.0 36.2 54.2
54 43.1 35.0 52.6



#32
Benzoic acid
Concen: 8.554 ng
RT: 9.875 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BM049891.D
Acq: 10 Apr 2025 19:23

Tgt Ion:122 Resp: 310
Ion Ratio Lower Upper
122 100
105 192.5 103.8 143.8#
77 236.8 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: BM049891.D

Acq: 10 Apr 2025 19:23

Instrument :

BNA_M

ClientSampleId :

IB-1.5-WC

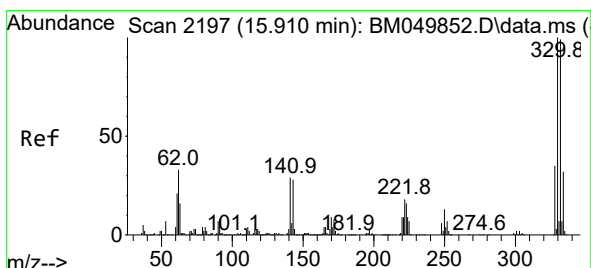
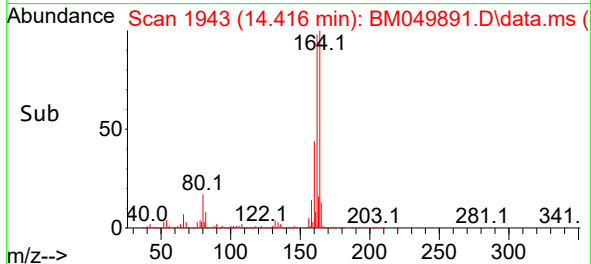
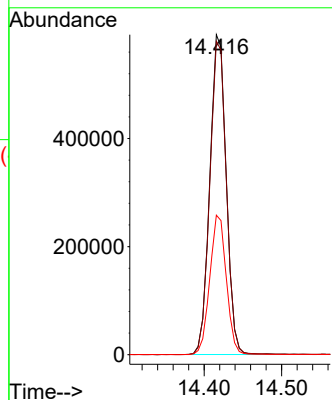
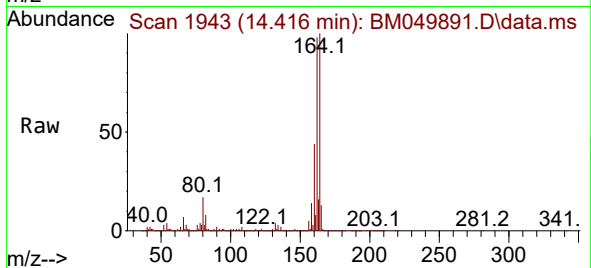
Tgt Ion:164 Resp: 870920

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# 2196

Delta R.T. -0.006 min

Lab File: BM049891.D

Acq: 10 Apr 2025 19:23

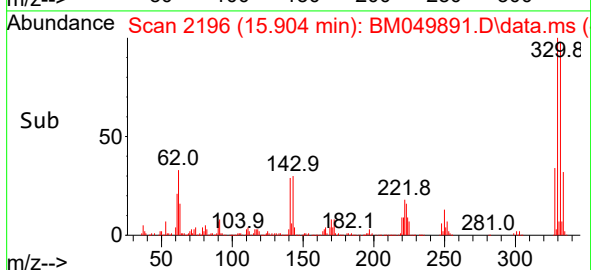
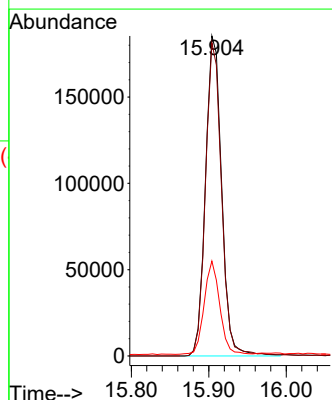
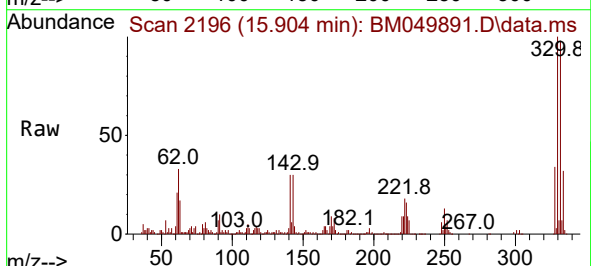
Tgt Ion:330 Resp: 268503

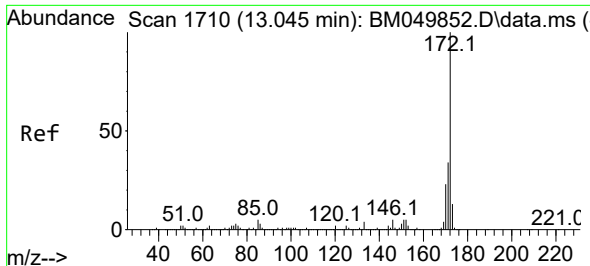
Ion Ratio Lower Upper

330 100

332 97.1 78.0 117.0

141 27.9 23.5 35.3

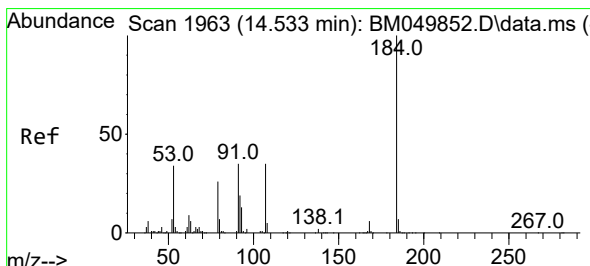
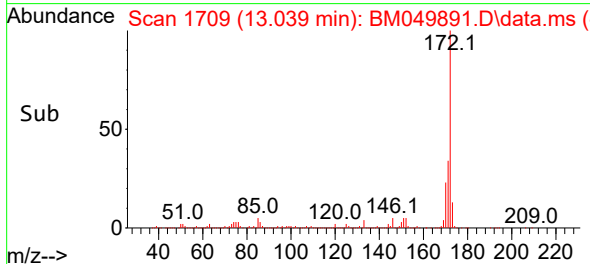
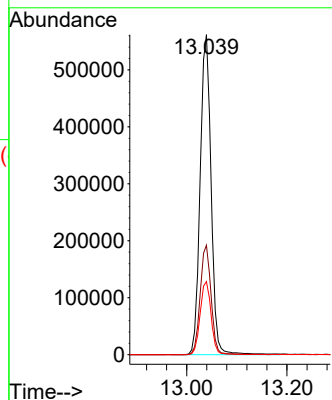
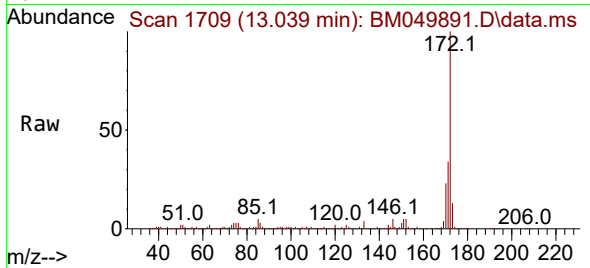




#45
2-Fluorobiphenyl
Concen: 13.219 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049891.D
Acq: 10 Apr 2025 19:23

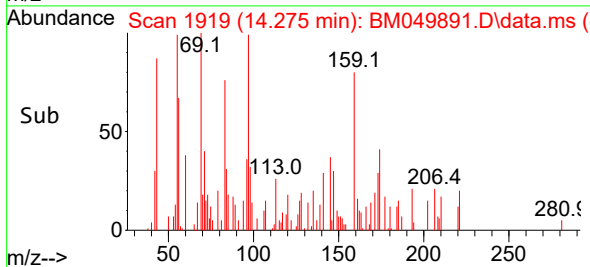
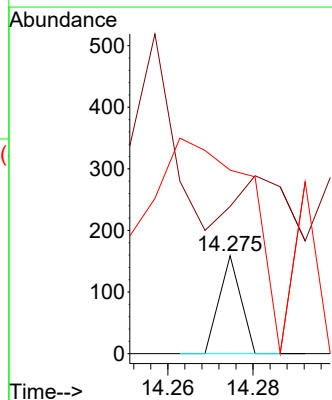
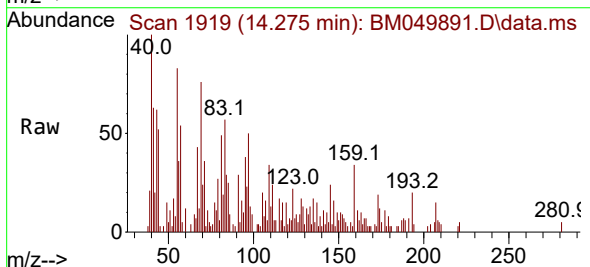
Instrument :
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ClientSampleId :
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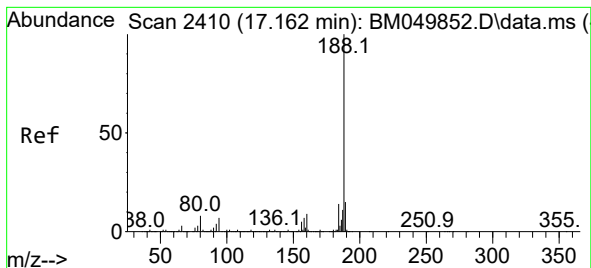
Tgt Ion:172 Resp: 849019
Ion Ratio Lower Upper
172 100
171 34.2 27.4 41.2
170 22.9 18.6 28.0



#54
2,4-Dinitrophenol
Concen: 7.230 ng
RT: 14.275 min Scan# 1919
Delta R.T. -0.258 min
Lab File: BM049891.D
Acq: 10 Apr 2025 19:23

Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 150.3 38.4 57.6#
154 187.4 48.1 72.1#





#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

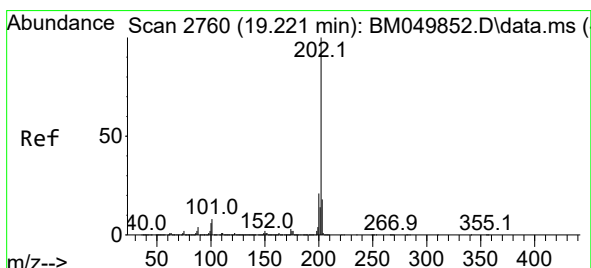
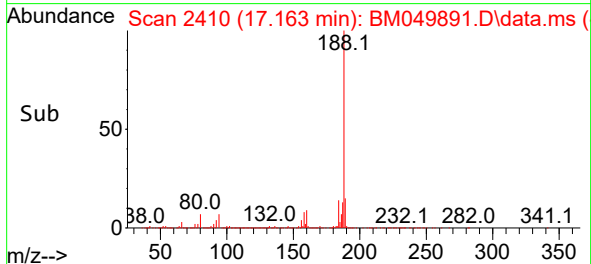
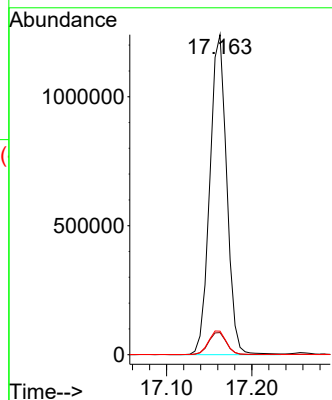
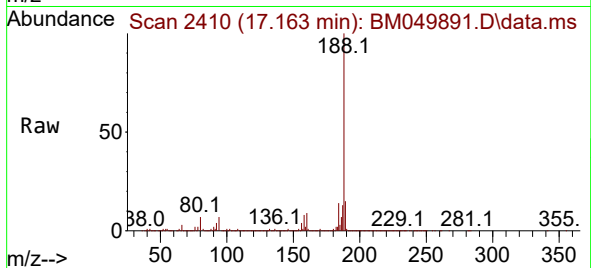
Tgt Ion:188 Resp: 1707399

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

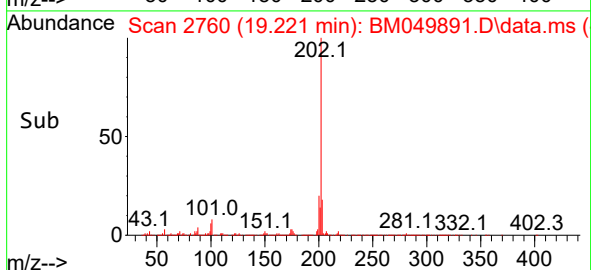
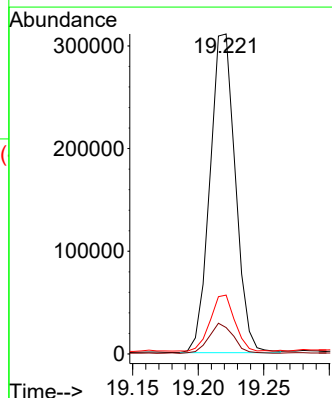
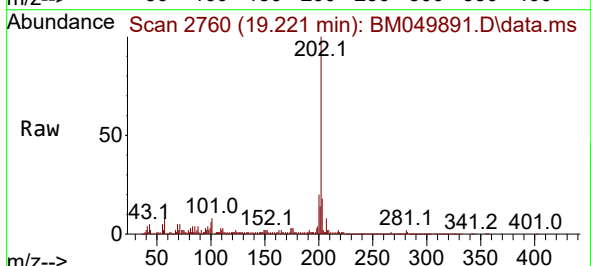
Tgt Ion:202 Resp: 418645

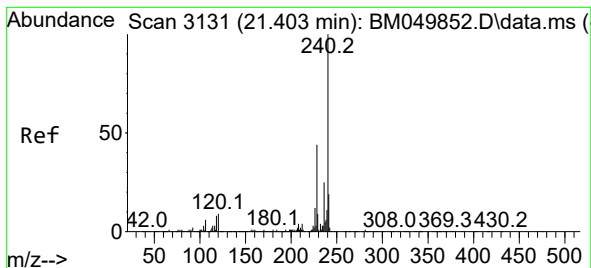
Ion Ratio Lower Upper

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

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ClientSampleId :

IB-1.5-WC

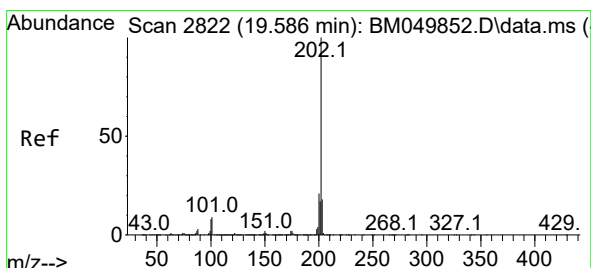
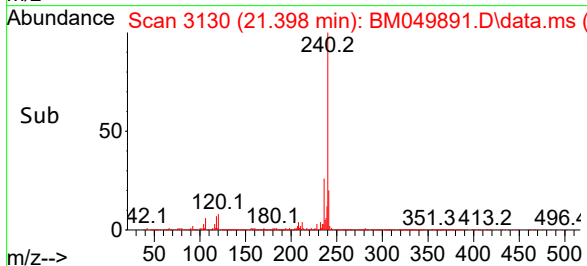
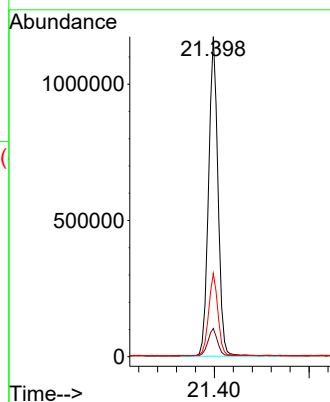
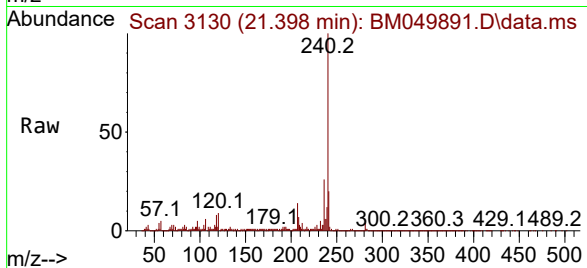
Tgt Ion:240 Resp: 1617320

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

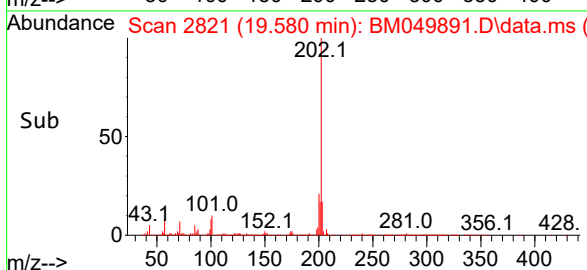
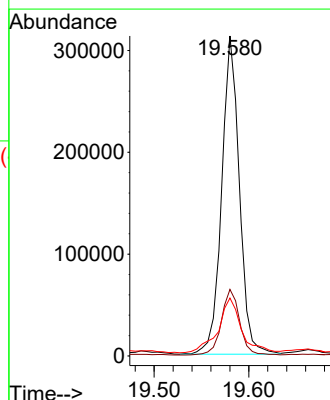
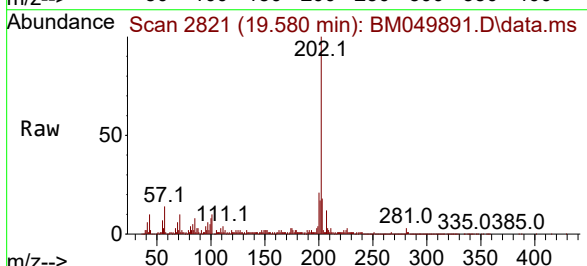
Tgt Ion:202 Resp: 405904

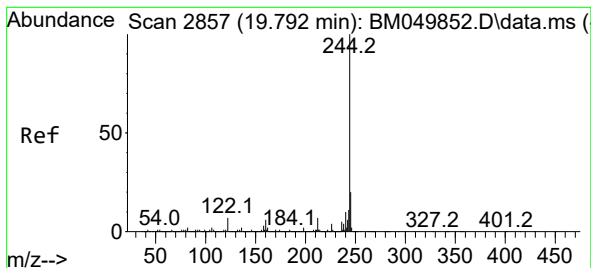
Ion Ratio Lower Upper

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

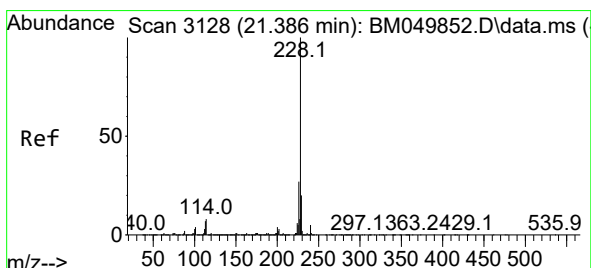
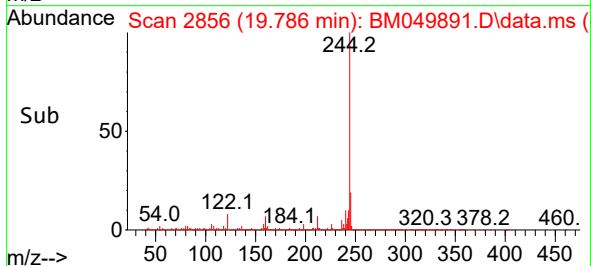
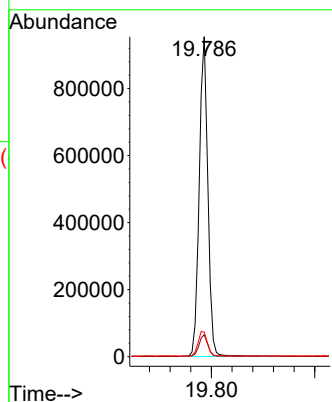
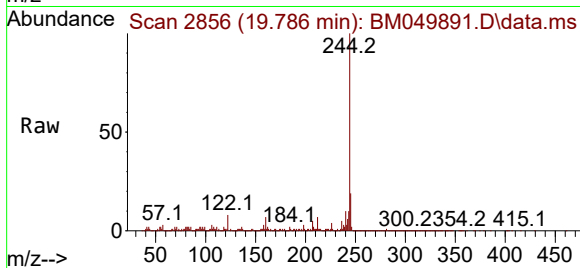
Tgt Ion:244 Resp: 1098924

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

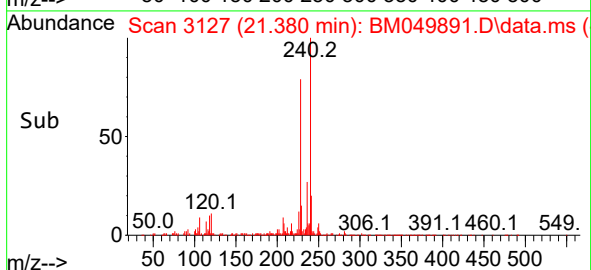
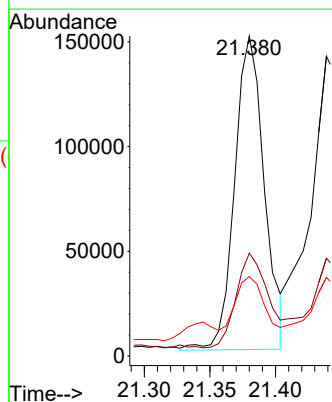
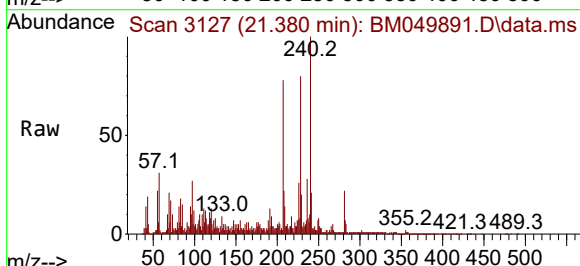
Tgt Ion:228 Resp: 235572

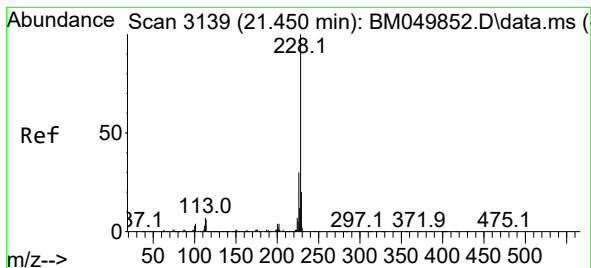
Ion Ratio Lower Upper

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

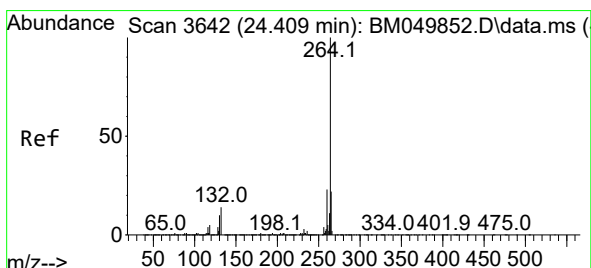
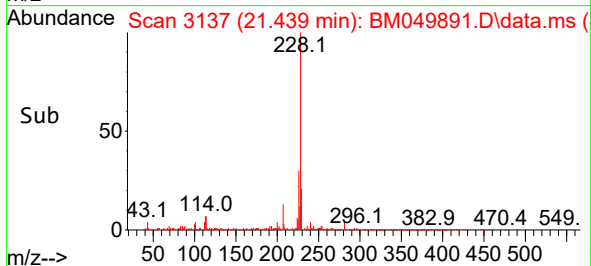
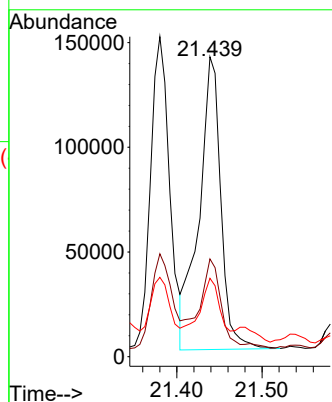
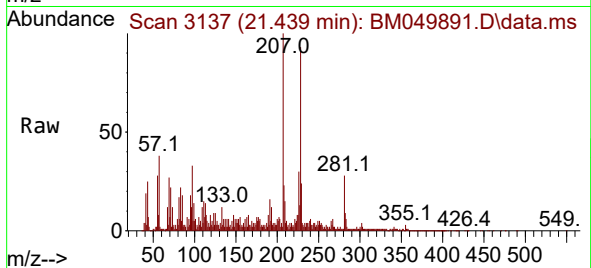
Tgt Ion:228 Resp: 249763

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

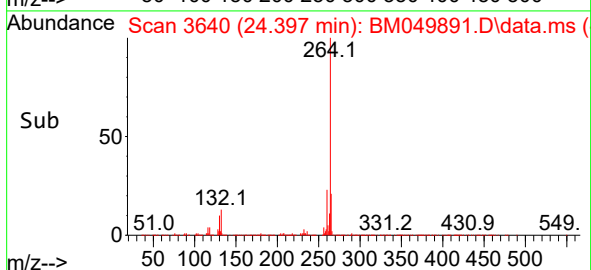
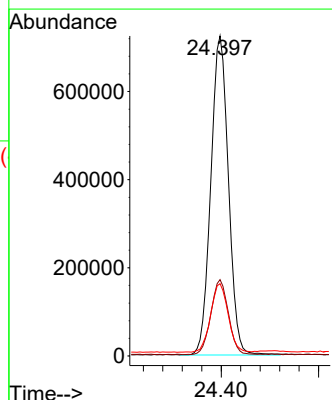
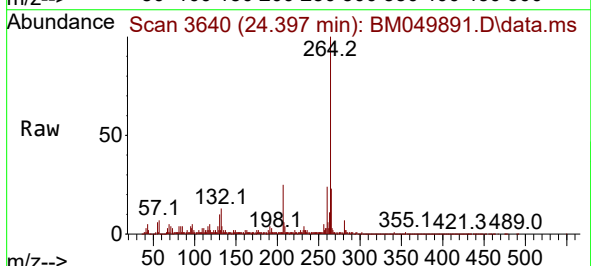
Tgt Ion:264 Resp: 1814121

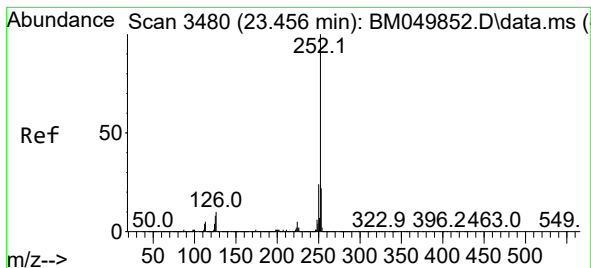
Ion Ratio Lower Upper

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

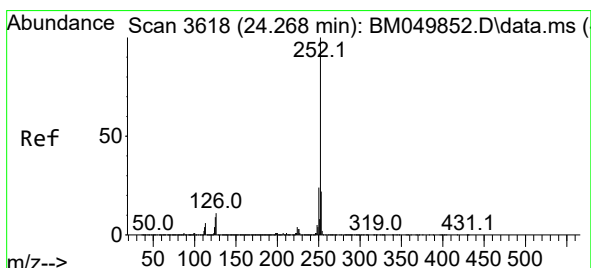
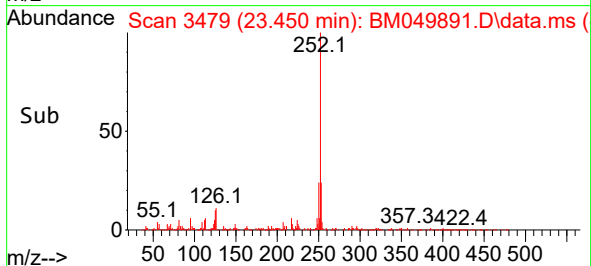
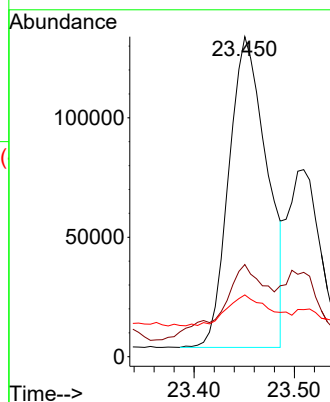
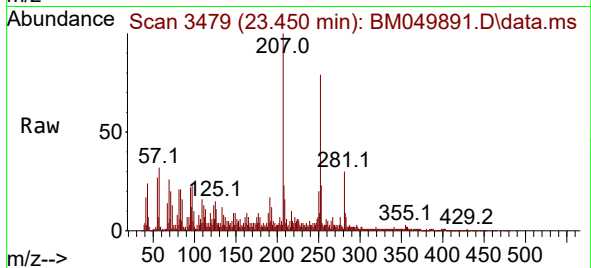
Tgt Ion:252 Resp: 343675

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#

