

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
 Data File : BM049890.D
 Acq On : 10 Apr 2025 18:44
 Operator : RC/JU
 Sample : Q1748-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 IB-2A-WC

Quant Time: Apr 11 01:08:47 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

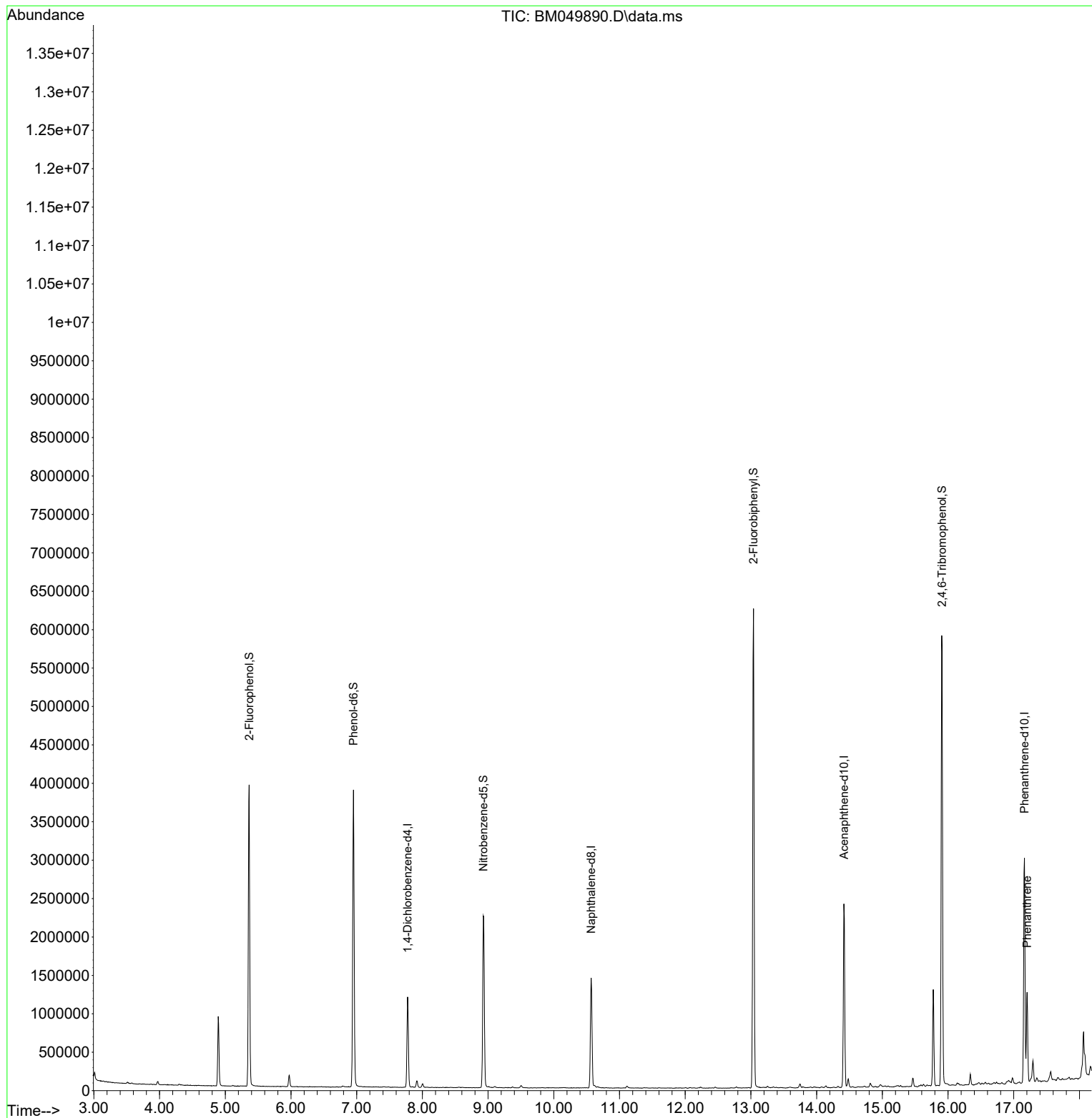
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	338522	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1247940	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	872467	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1810432	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1734894	20.000	ng	0.00
86) Perylene-d12	24.391	264	1908377	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1789318	89.755	ng	0.00
7) Phenol-d6	6.951	99	2272791	91.632	ng	0.00
23) Nitrobenzene-d5	8.928	82	1314123	58.638	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1272297	100.257	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	3394517	52.758	ng	0.00
79) Terphenyl-d14	19.786	244	5179152	55.946	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.204	178	745208	7.508	ng	99
75) Fluoranthene	19.215	202	935996	7.670	ng	100
78) Pyrene	19.580	202	810506	6.779	ng	99
81) Benzo(a)anthracene	21.380	228	399281	3.463	ng	98
83) Chrysene	21.439	228	371209	3.386	ng	97
88) Benzo(b)fluoranthene	23.450	252	463874	3.806	ng	# 92
90) Benzo(a)pyrene	24.250	252	319075	2.979	ng	# 91

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

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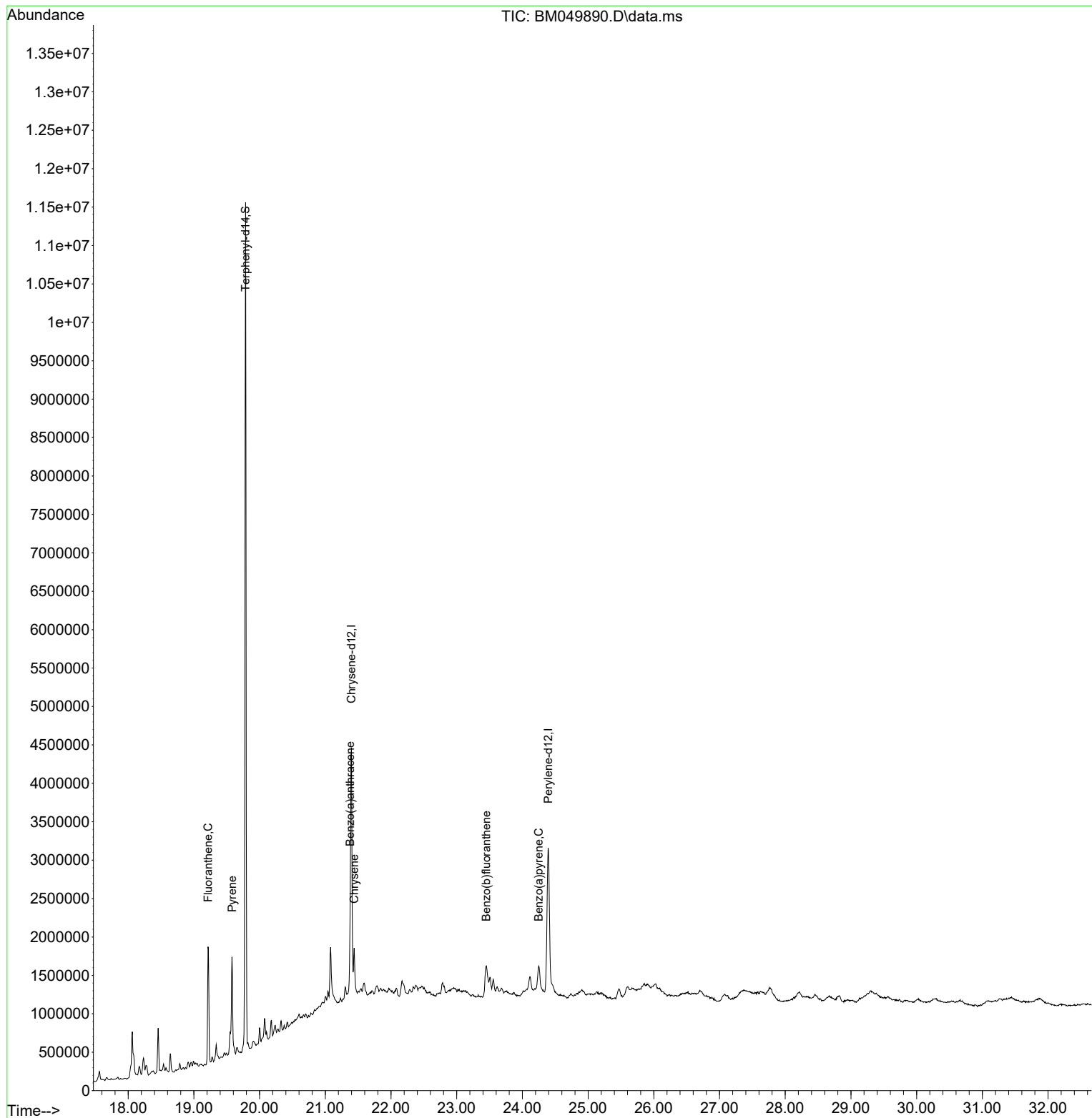
Quant Time: Apr 11 01:08:47 2025
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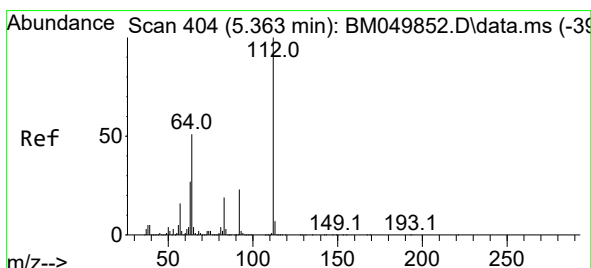
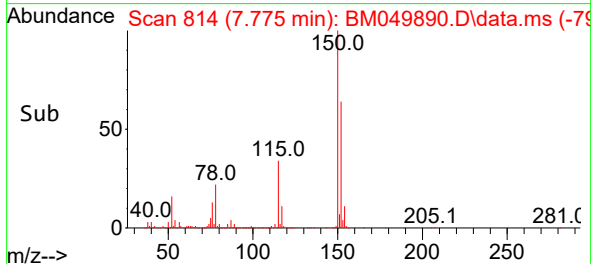
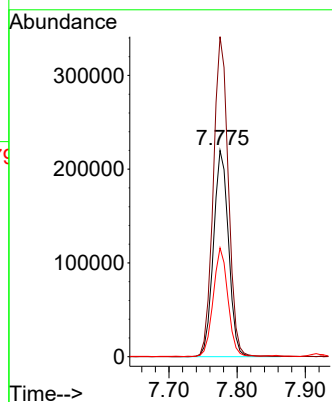
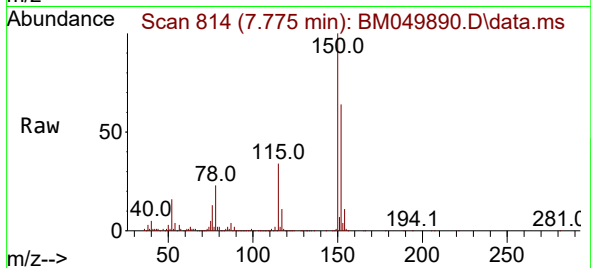




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM049890.D
Acq: 10 Apr 2025 18:44

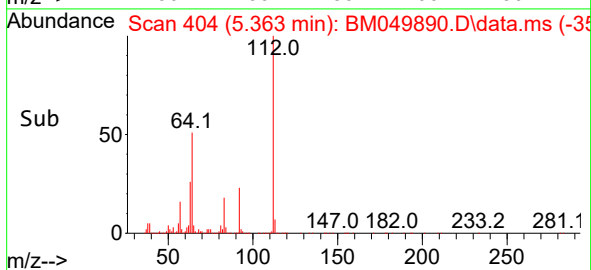
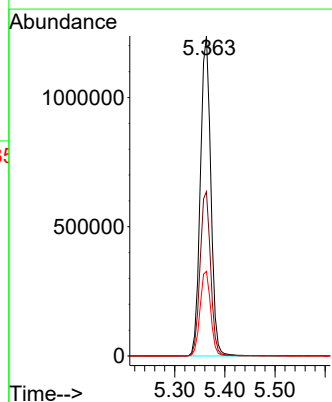
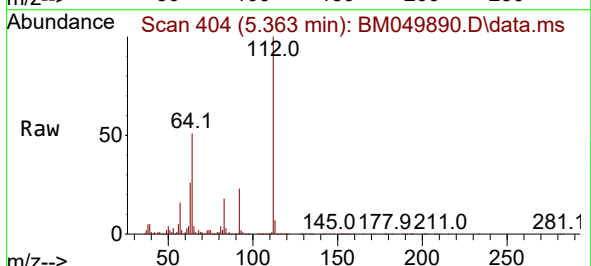
Instrument :
BNA_M
ClientSampleId :
IB-2A-WC

Tgt Ion:152 Resp: 338522
Ion Ratio Lower Upper
152 100
150 155.1 124.3 186.5
115 52.8 41.1 61.7



#5
2-Fluorophenol
Concen: 89.755 ng
RT: 5.363 min Scan# 404
Delta R.T. 0.000 min
Lab File: BM049890.D
Acq: 10 Apr 2025 18:44

Tgt Ion:112 Resp: 1789318
Ion Ratio Lower Upper
112 100
64 51.4 41.0 61.6
63 26.5 21.5 32.3



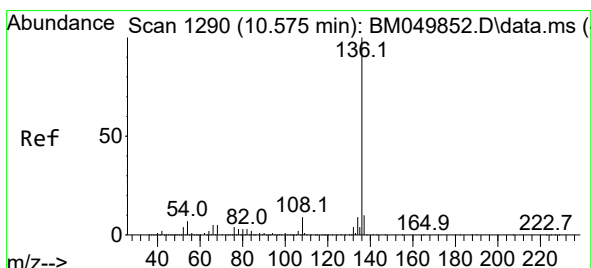
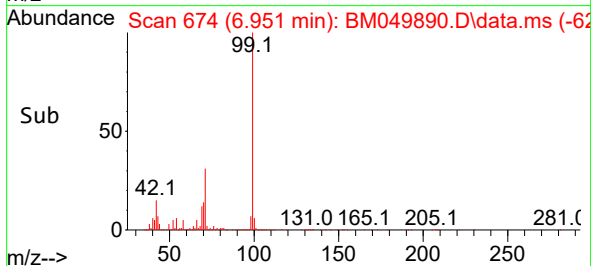
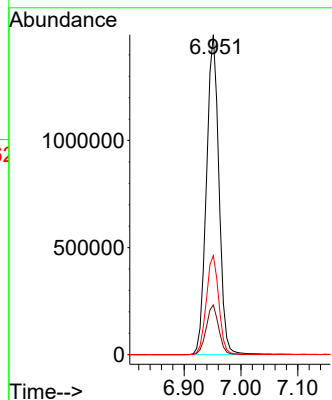
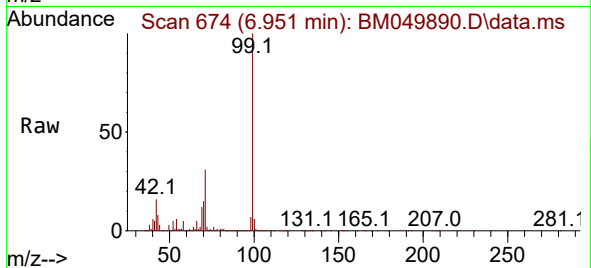


#7
Phenol-d6
Concen: 91.632 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049890.D
Acq: 10 Apr 2025 18:44

Instrument :
BNA_M
ClientSampleId :
IB-2A-WC

Tgt Ion: 99 Resp: 2272791

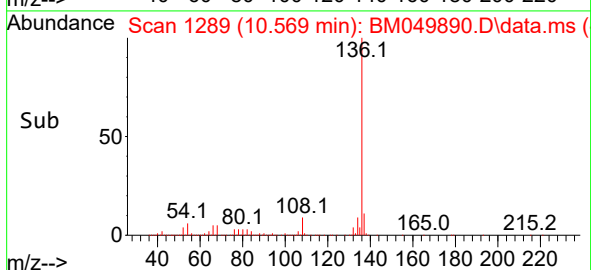
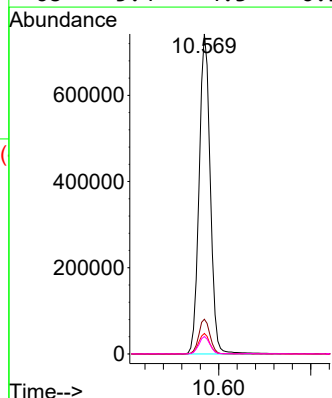
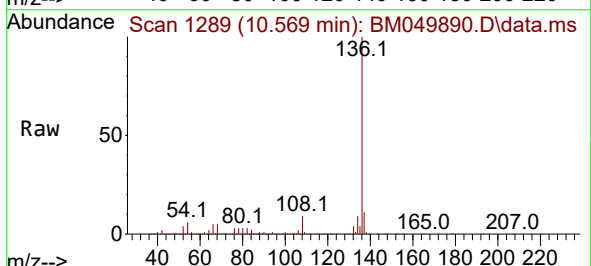
Ion	Ratio	Lower	Upper
99	100		
42	15.5	12.1	18.1
71	30.9	24.9	37.3

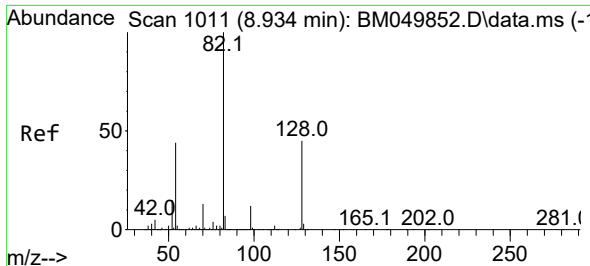


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM049890.D
Acq: 10 Apr 2025 18:44

Tgt Ion: 136 Resp: 1247940

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	6.4	5.3	7.9
68	5.4	4.3	6.5

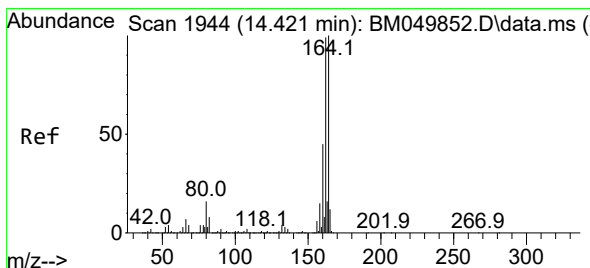
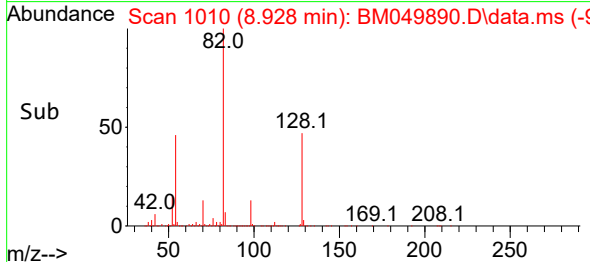
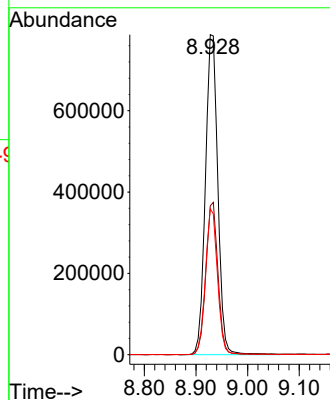
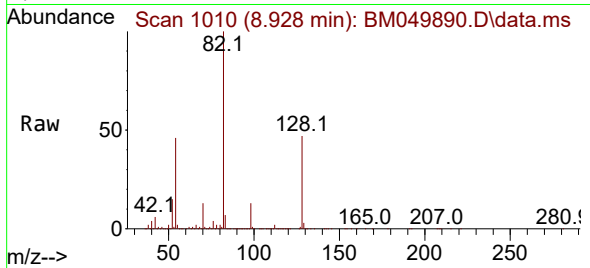




#23
Nitrobenzene-d5
Concen: 58.638 ng
RT: 8.928 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BM049890.D
Acq: 10 Apr 2025 18:44

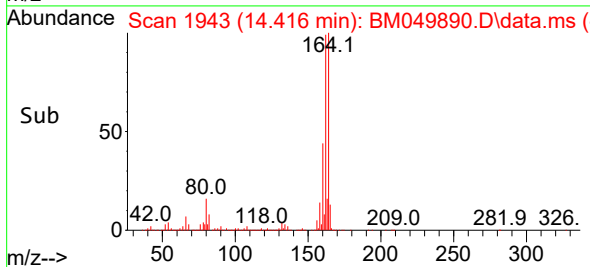
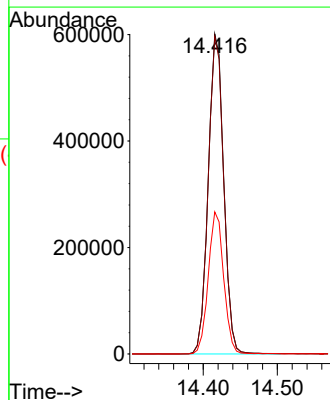
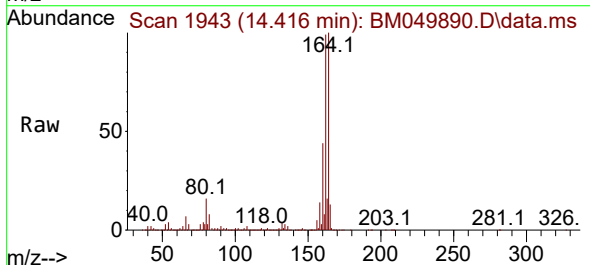
Instrument :
BNA_M
ClientSampleId :
IB-2A-WC

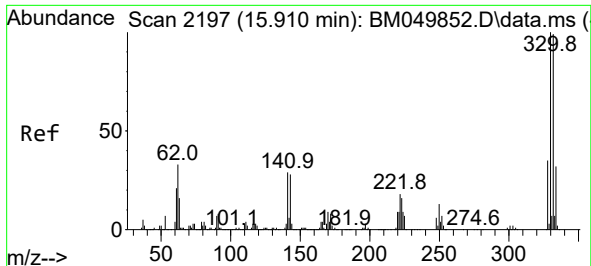
Tgt Ion: 82 Resp: 1314123
Ion Ratio Lower Upper
82 100
128 46.5 36.2 54.2
54 45.6 35.0 52.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049890.D
Acq: 10 Apr 2025 18:44

Tgt Ion:164 Resp: 872467
Ion Ratio Lower Upper
164 100
162 99.3 79.4 119.0
160 44.4 36.2 54.2

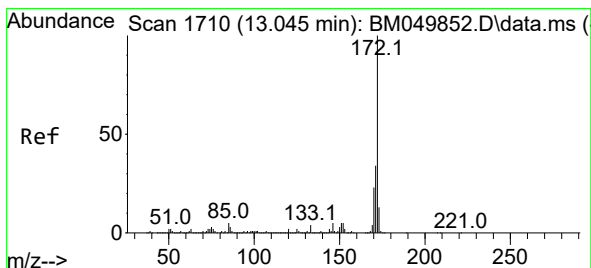
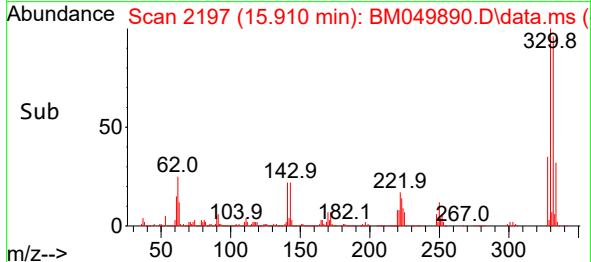
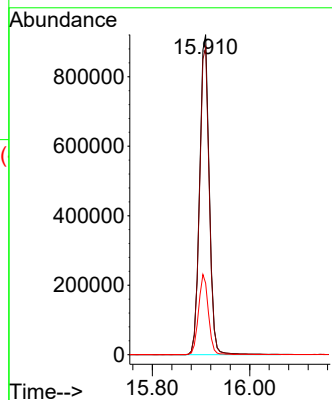
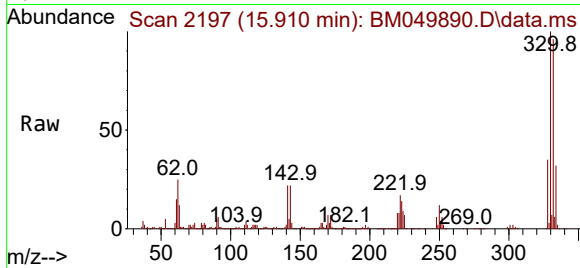




#42
2,4,6-Tribromophenol
Concen: 100.257 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049890.D
Acq: 10 Apr 2025 18:44

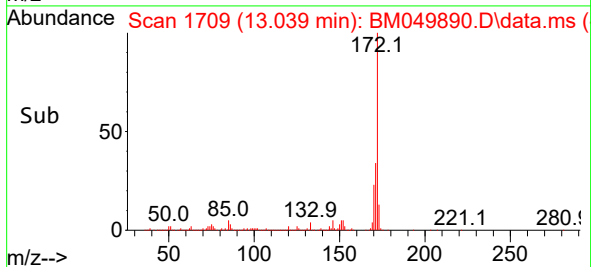
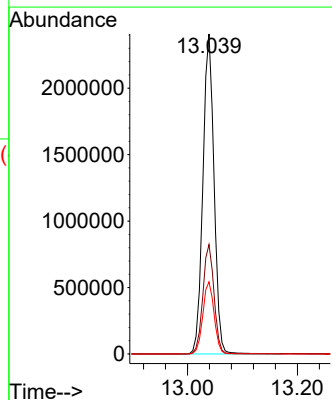
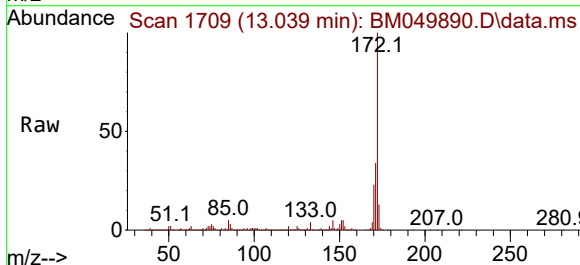
Instrument :
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ClientSampleId :
IB-2A-WC

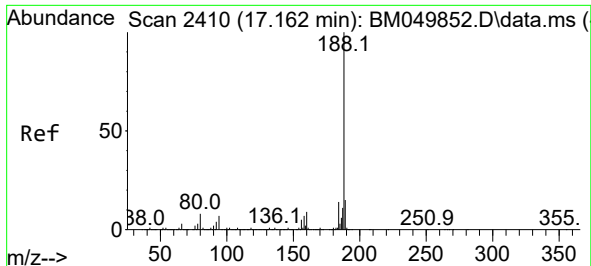
Tgt Ion:330 Resp: 1272297
Ion Ratio Lower Upper
330 100
332 96.5 78.0 117.0
141 25.5 23.5 35.3



#45
2-Fluorobiphenyl
Concen: 52.758 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM049890.D
Acq: 10 Apr 2025 18:44

Tgt Ion:172 Resp: 3394517
Ion Ratio Lower Upper
172 100
171 34.2 27.4 41.2
170 22.6 18.6 28.0

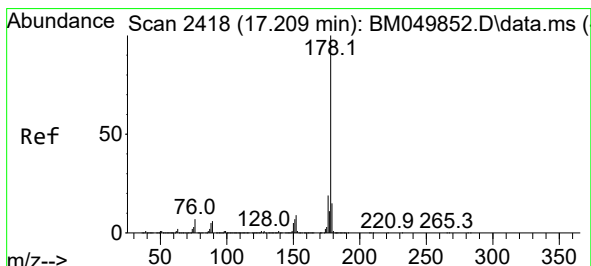
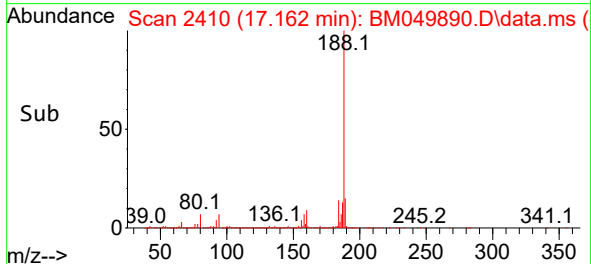
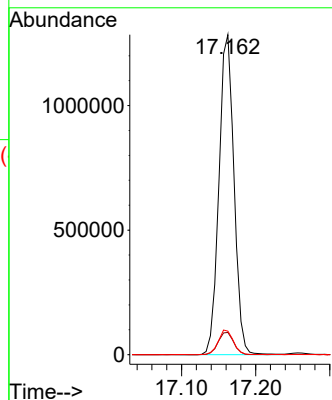
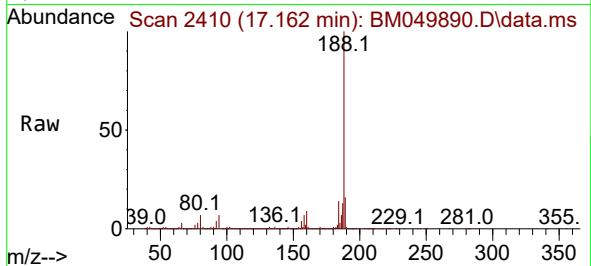




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049890.D
Acq: 10 Apr 2025 18:44

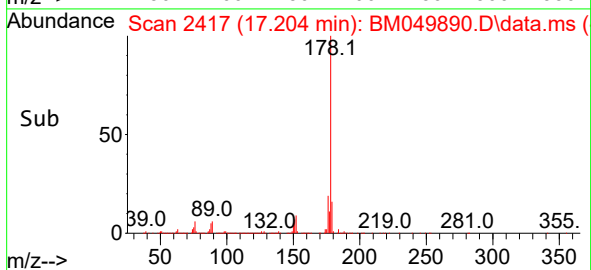
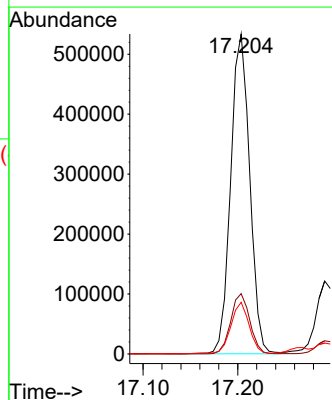
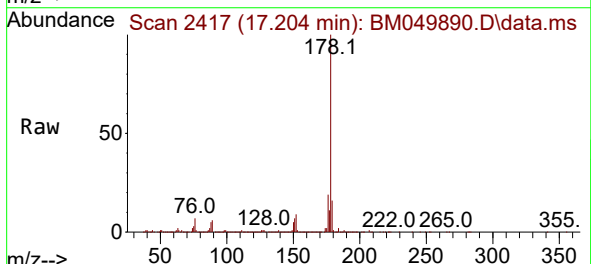
Instrument :
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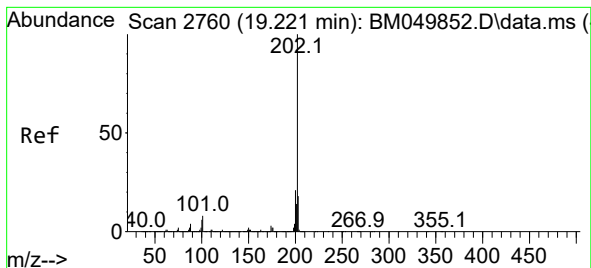
Tgt Ion:188 Resp: 1810432
Ion Ratio Lower Upper
188 100
94 6.9 5.8 8.6
80 7.4 6.4 9.6



#71
Phenanthrene
Concen: 7.508 ng
RT: 17.204 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BM049890.D
Acq: 10 Apr 2025 18:44

Tgt Ion:178 Resp: 745208
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 16.2 12.3 18.5





#75

Fluoranthene

Concen: 7.670 ng

RT: 19.215 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049890.D

Acq: 10 Apr 2025 18:44

Instrument :

BNA_M

ClientSampleId :

IB-2A-WC

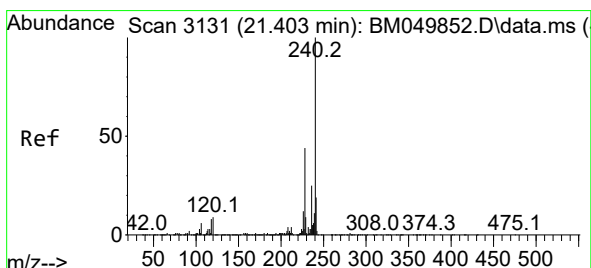
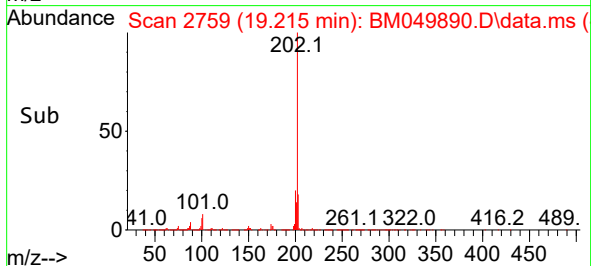
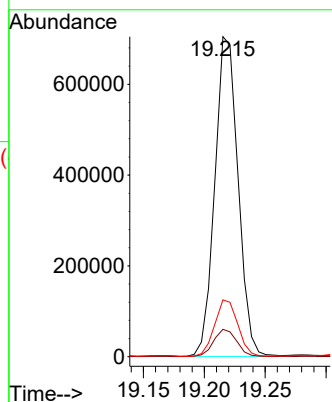
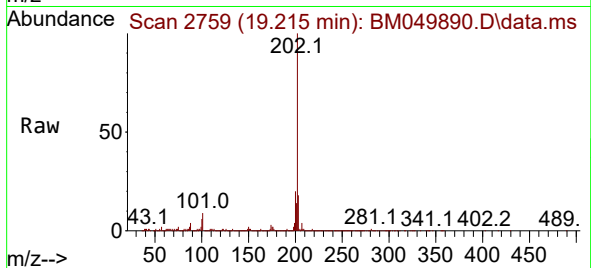
Tgt Ion:202 Resp: 935996

Ion Ratio Lower Upper

202 100

101 8.5 0.0 28.4

203 17.8 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.397 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BM049890.D

Acq: 10 Apr 2025 18:44

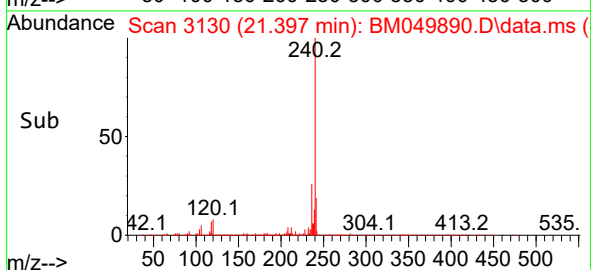
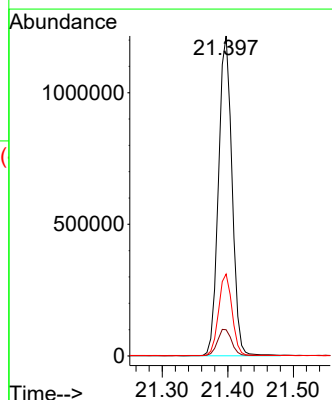
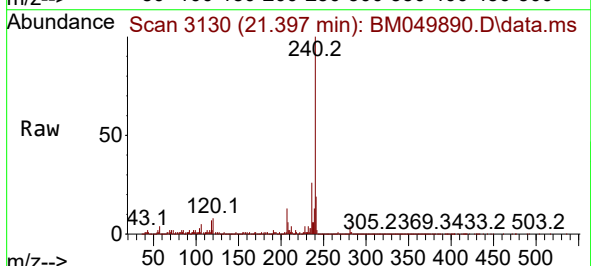
Tgt Ion:240 Resp: 1734894

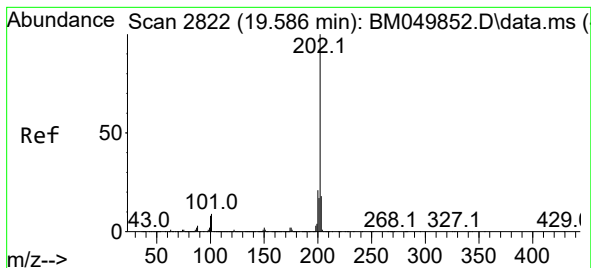
Ion Ratio Lower Upper

240 100

120 8.2 6.9 10.3

236 25.6 20.4 30.6





#78

Pyrene

Concen: 6.779 ng

RT: 19.580 min Scan# 2822

Delta R.T. -0.006 min

Lab File: BM049890.D

Acq: 10 Apr 2025 18:44

Instrument :

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ClientSampleId :

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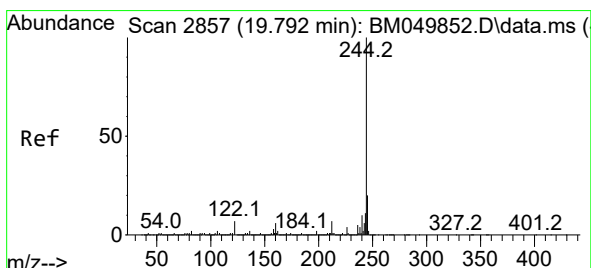
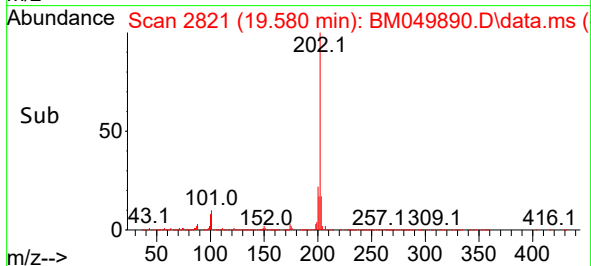
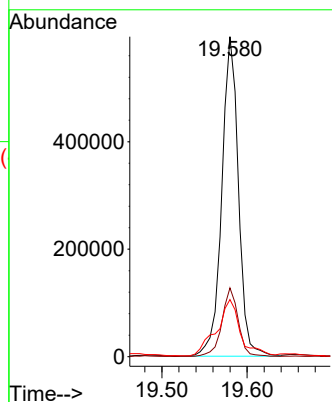
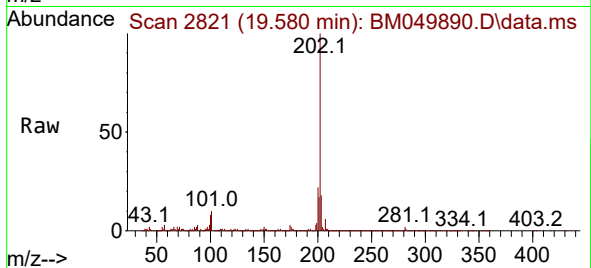
Tgt Ion:202 Resp: 810506

Ion Ratio Lower Upper

202 100

200 21.5 16.5 24.7

203 17.8 14.0 21.0



#79

Terphenyl-d14

Concen: 55.946 ng

RT: 19.786 min Scan# 2856

Delta R.T. -0.006 min

Lab File: BM049890.D

Acq: 10 Apr 2025 18:44

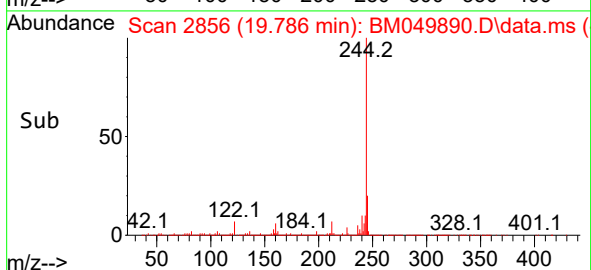
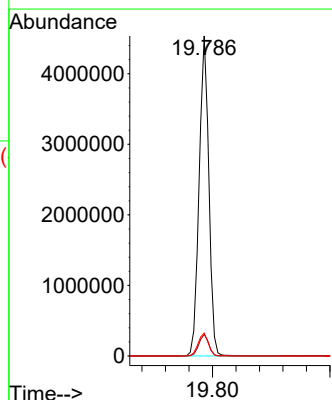
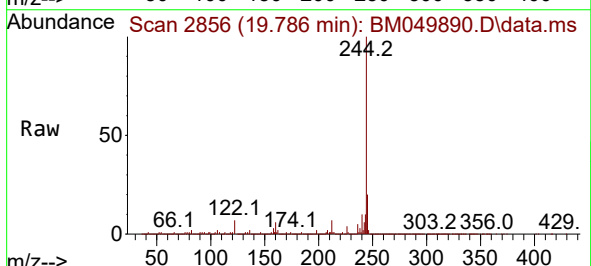
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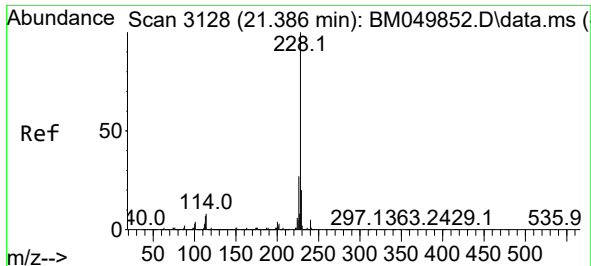
Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 7.2 5.4 8.0

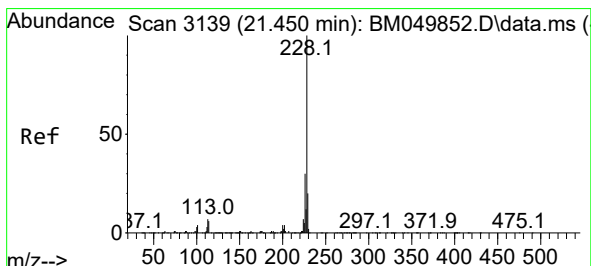
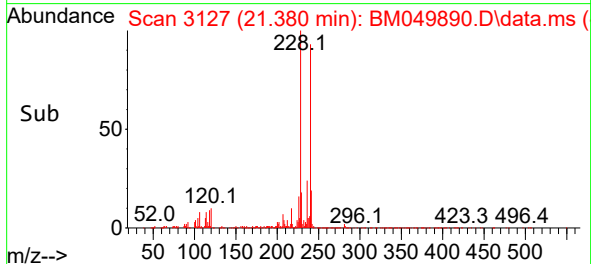
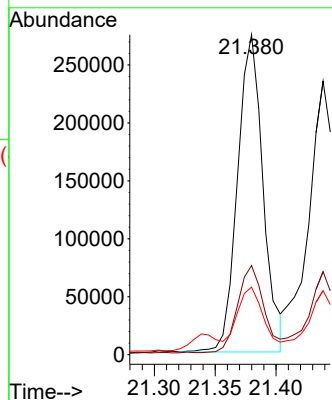
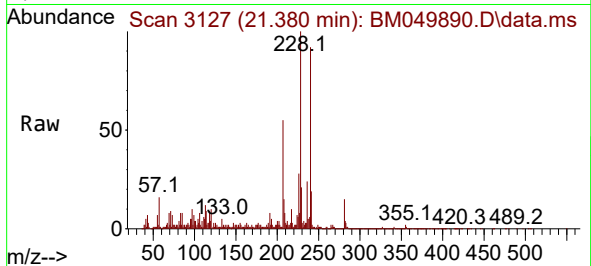




#81
Benzo(a)anthracene
Concen: 3.463 ng
RT: 21.380 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BM049890.D
Acq: 10 Apr 2025 18:44

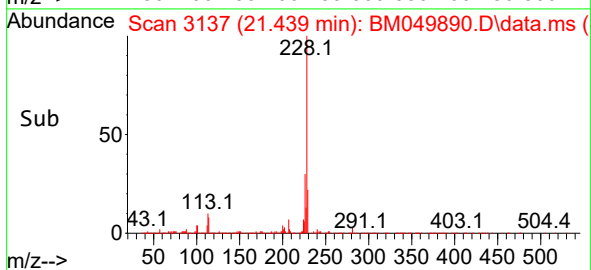
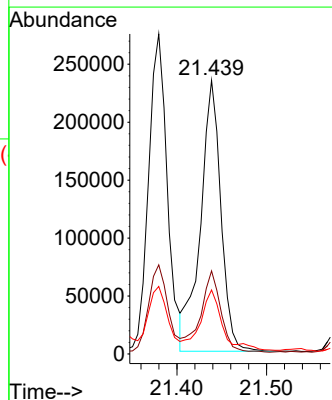
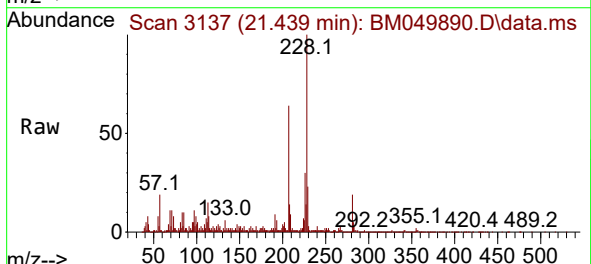
Instrument :
BNA_M
ClientSampleId :
IB-2A-WC

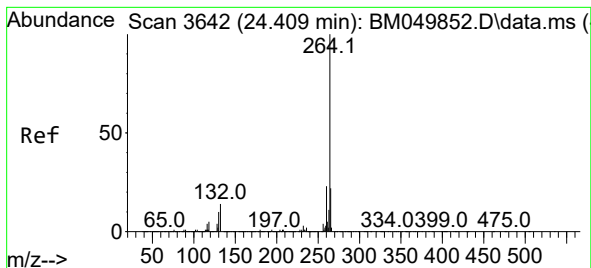
Tgt Ion:228 Resp: 399281
Ion Ratio Lower Upper
228 100
226 27.9 21.8 32.8
229 21.1 15.8 23.8



#83
Chrysene
Concen: 3.386 ng
RT: 21.439 min Scan# 3137
Delta R.T. -0.012 min
Lab File: BM049890.D
Acq: 10 Apr 2025 18:44

Tgt Ion:228 Resp: 371209
Ion Ratio Lower Upper
228 100
226 30.3 24.1 36.1
229 23.4 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.391 min Scan# 3

Delta R.T. -0.018 min

Lab File: BM049890.D

Acq: 10 Apr 2025 18:44

Instrument :

BNA_M

ClientSampleId :

IB-2A-WC

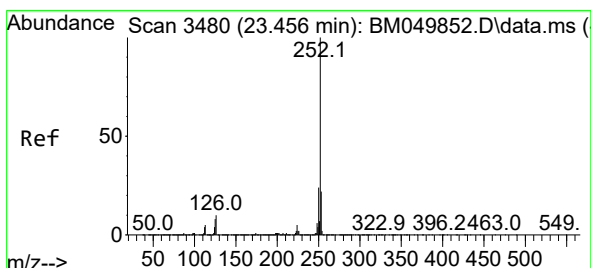
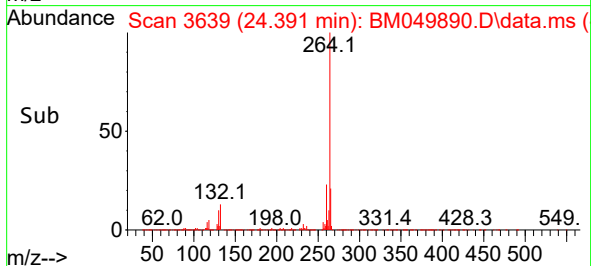
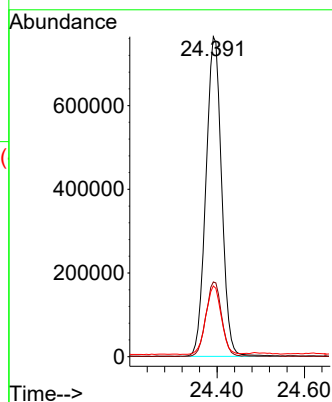
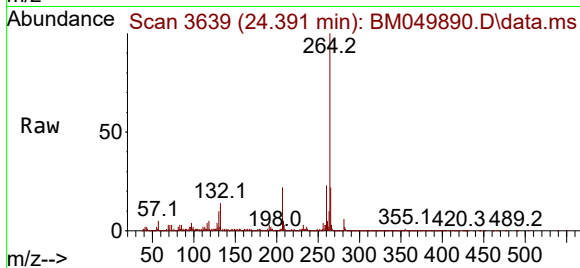
Tgt Ion:264 Resp: 1908377

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 22.1 17.8 26.8



#88

Benzo(b)fluoranthene

Concen: 3.806 ng

RT: 23.450 min Scan# 3479

Delta R.T. -0.006 min

Lab File: BM049890.D

Acq: 10 Apr 2025 18:44

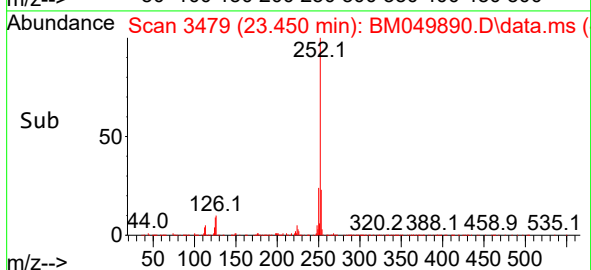
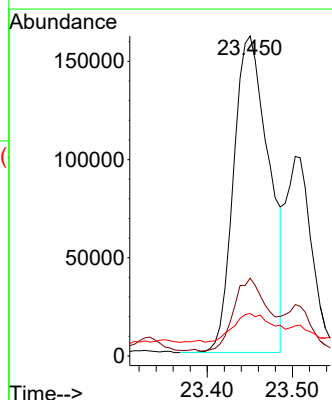
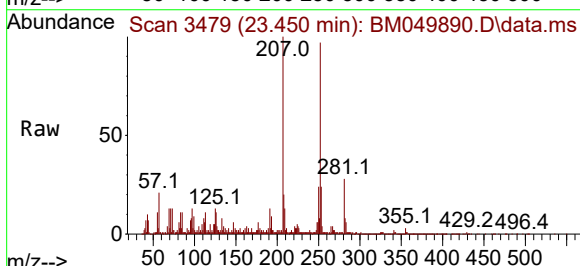
Tgt Ion:252 Resp: 463874

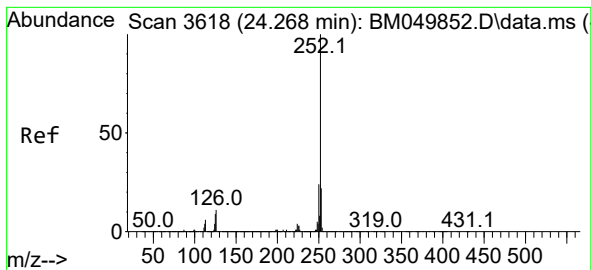
Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

125 13.3 6.2 9.4#





#90

Benzo(a)pyrene

Concen: 2.979 ng

RT: 24.250 min Scan# 3

Delta R.T. -0.018 min

Lab File: BM049890.D

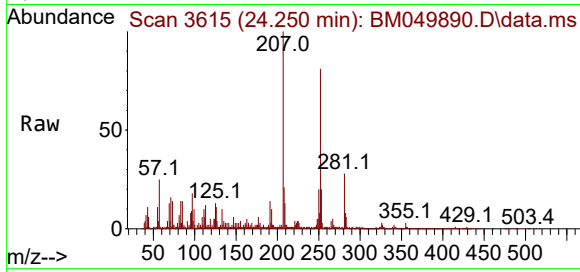
Acq: 10 Apr 2025 18:44

Instrument :

BNA_M

ClientSampleId :

IB-2A-WC



Tgt Ion:252 Resp: 319075

Ion Ratio Lower Upper

252 100

253 24.6 17.8 26.8

125 15.5 7.0 10.4#

