

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
 Data File : BM049874.D
 Acq On : 09 Apr 2025 19:01
 Operator : RC/JU
 Sample : Q1739-01 20X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-LIQUID-20250404

Quant Time: Apr 10 01:24:43 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)

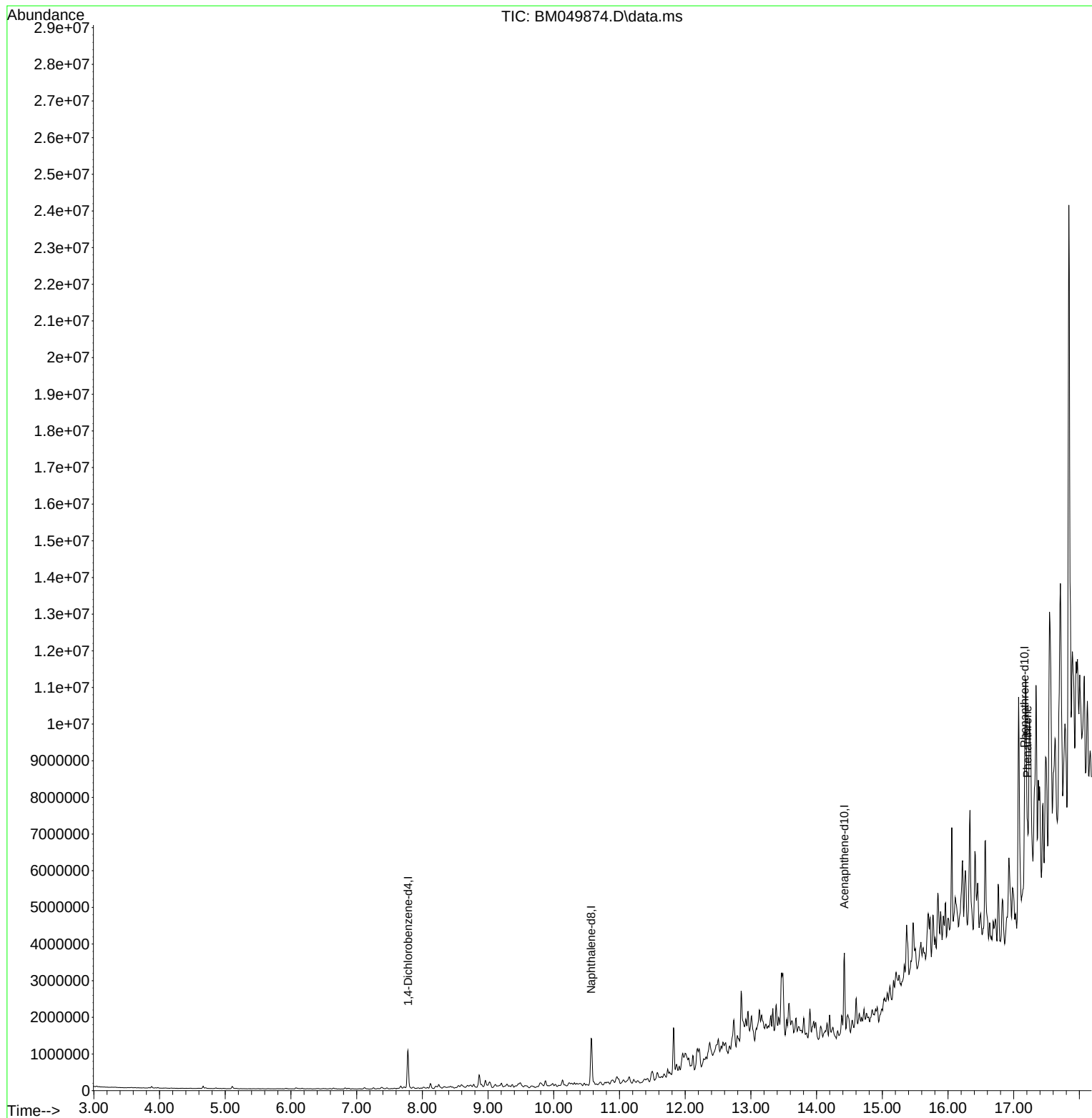
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	308218	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1102332	20.000	ng	0.00
39) Acenaphthene-d10	14.422	164	706620	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1461110	20.000	ng	0.00
76) Chrysene-d12	21.410	240	1753624	20.000	ng	# 0.00
86) Perylene-d12	24.415	264	1659153	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.364	112	1018	0.056	ng	0.00
7) Phenol-d6	6.958	99	1359	0.060	ng	0.00
23) Nitrobenzene-d5	8.934	82	3379	0.171	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1193	0.116	ng	0.00
45) 2-Fluorobiphenyl	13.040	172	11467	0.220	ng	0.00
79) Terphenyl-d14	19.792	244	27822	0.297	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.210	178	199028	2.485	ng	# 88
75) Fluoranthene	19.227	202	1170698	11.886	ng	# 56
78) Pyrene	19.586	202	1314242	10.874	ng	# 79
81) Benzo(a)anthracene	21.392	228	370264	3.177	ng	# 76
83) Chrysene	21.451	228	339306	3.062	ng	# 84
88) Benzo(b)fluoranthene	23.468	252	434875	4.104	ng	# 75
89) Benzo(k)fluoranthene	23.527	252	265854	2.589	ng	# 69

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

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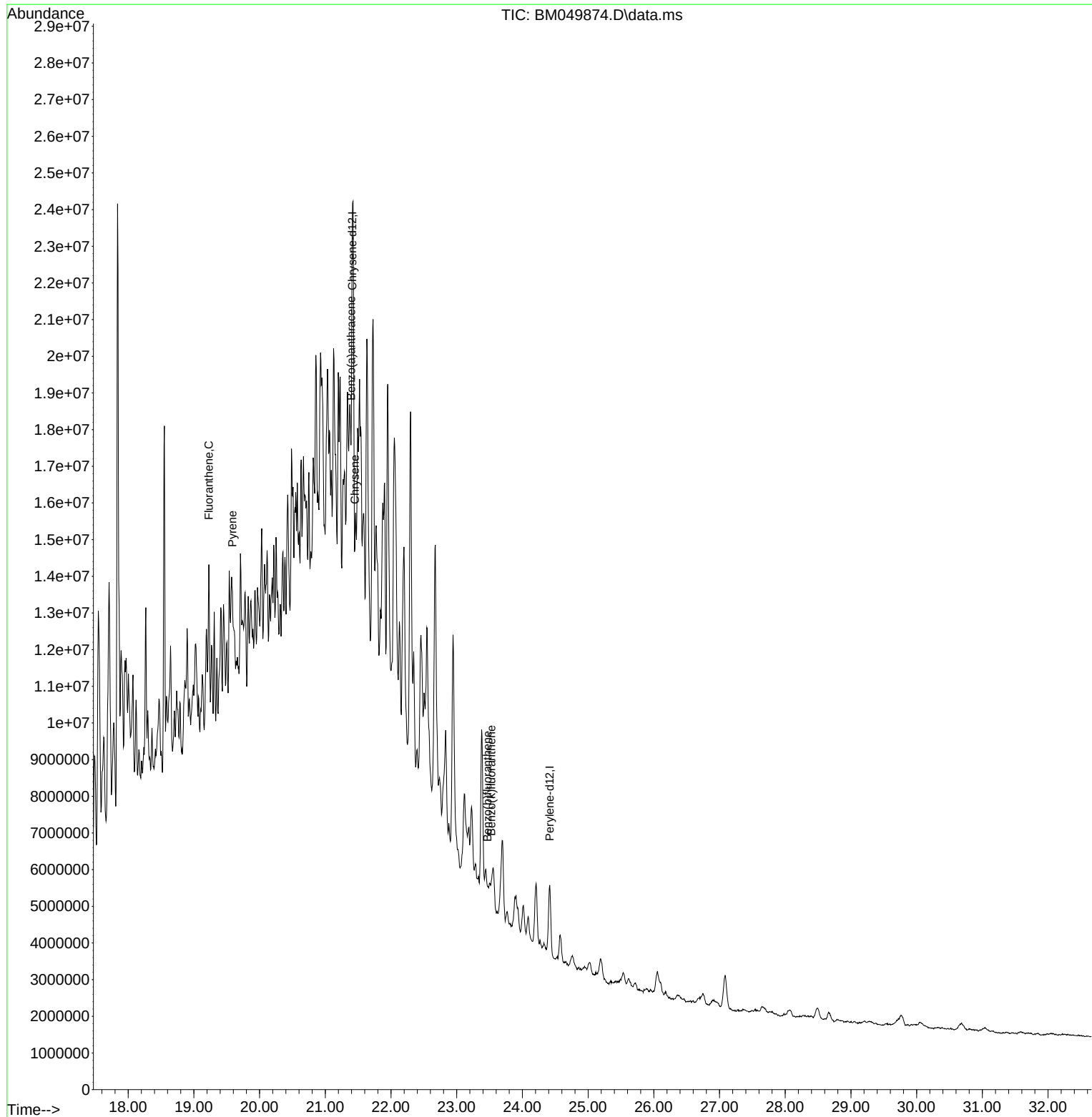
Quant Time: Apr 10 01:24:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

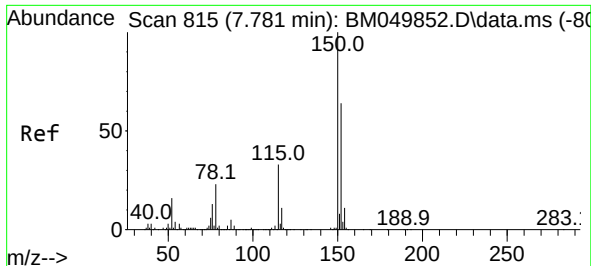


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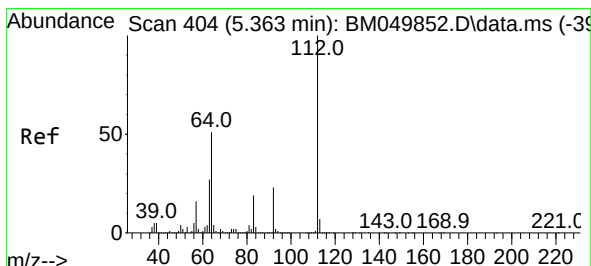
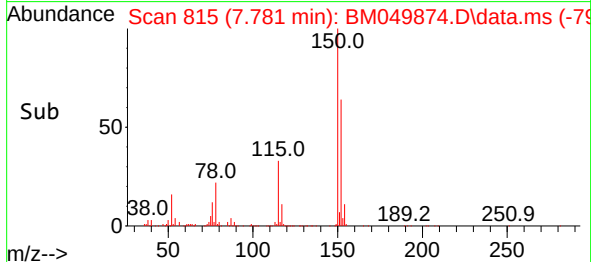
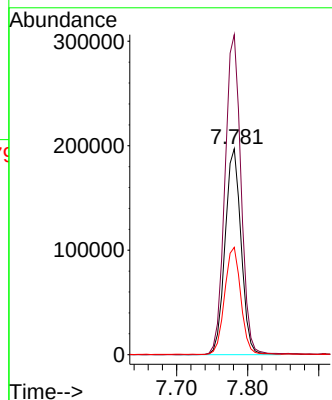
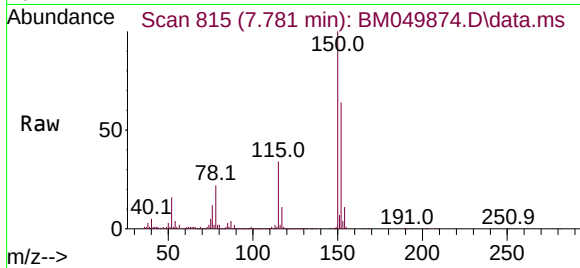




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 815
Delta R.T. 0.000 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

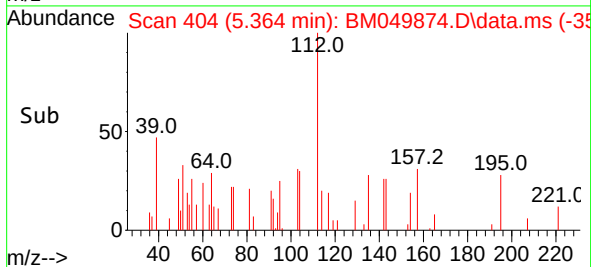
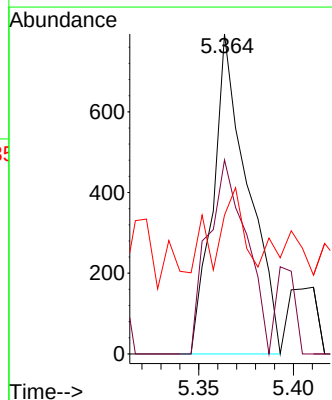
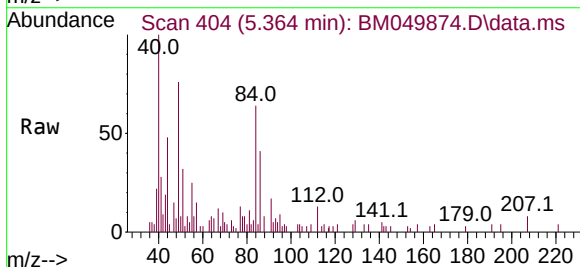
Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

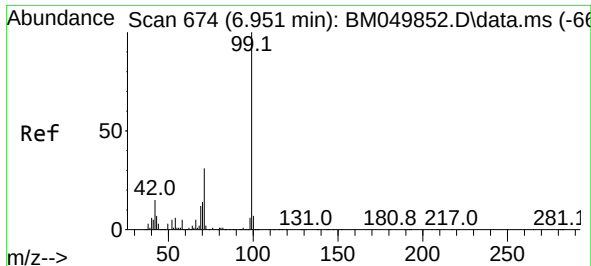
Tgt Ion:152 Resp: 308218
Ion Ratio Lower Upper
152 100
150 155.4 124.3 186.5
115 52.1 41.1 61.7



#5
2-Fluorophenol
Concen: 0.056 ng
RT: 5.364 min Scan# 404
Delta R.T. 0.000 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Tgt Ion:112 Resp: 1018
Ion Ratio Lower Upper
112 100
64 60.7 41.0 61.6
63 43.4 21.5 32.3#

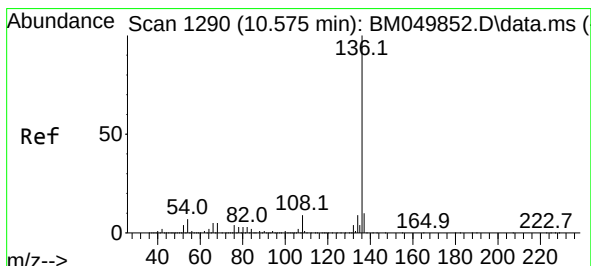
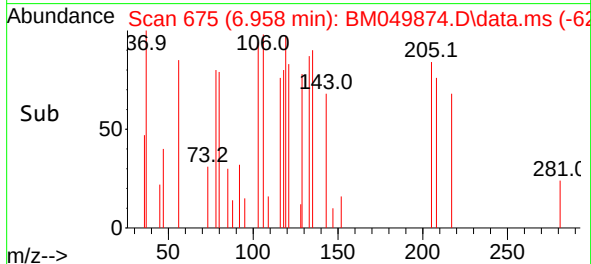
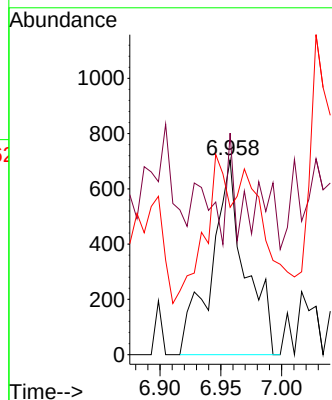
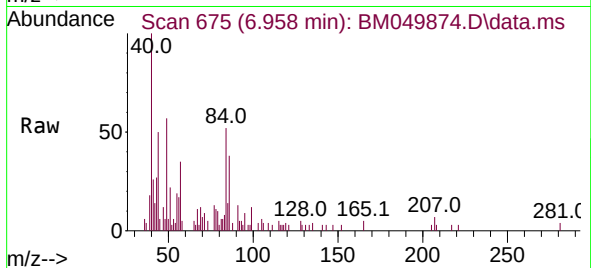




#7
Phenol-d6
Concen: 0.060 ng
RT: 6.958 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

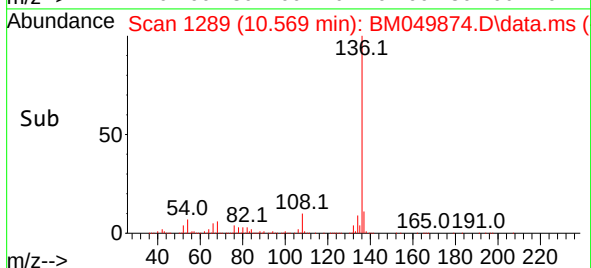
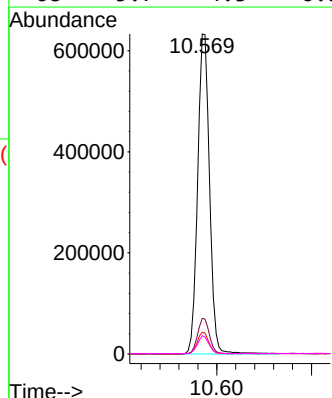
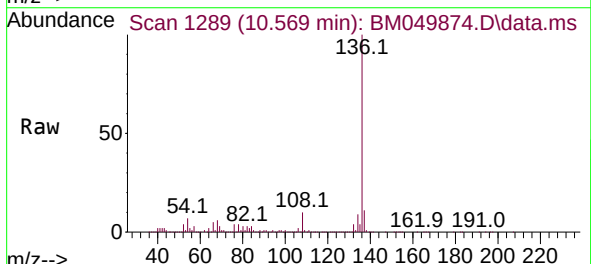
Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

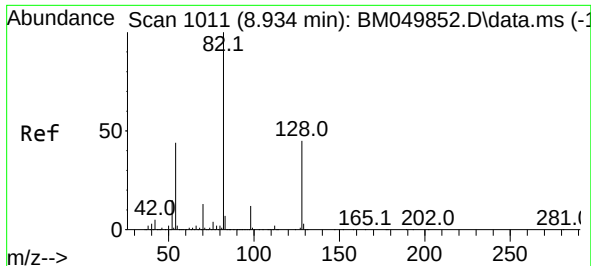
Tgt Ion: 99 Resp: 1359
Ion Ratio Lower Upper
99 100
42 113.8 12.1 18.1#
71 75.6 24.9 37.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.005 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Tgt Ion: 136 Resp: 1102332
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 6.8 5.3 7.9
68 5.7 4.3 6.5

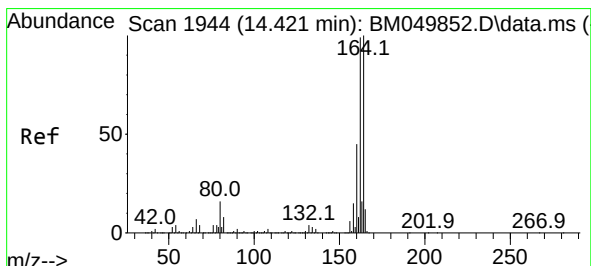
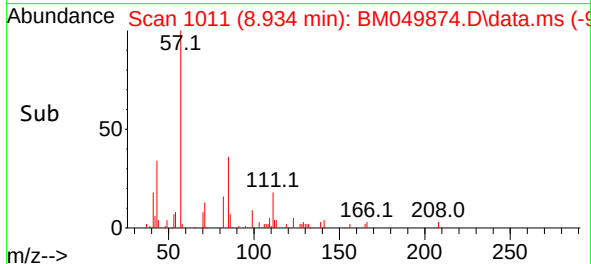
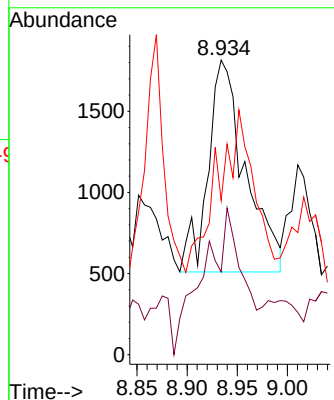
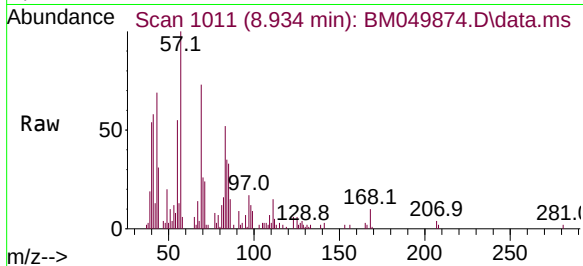




#23
 Nitrobenzene-d5
 Concen: 0.171 ng
 RT: 8.934 min Scan# 1011
 Delta R.T. 0.000 min
 Lab File: BM049874.D
 Acq: 09 Apr 2025 19:01

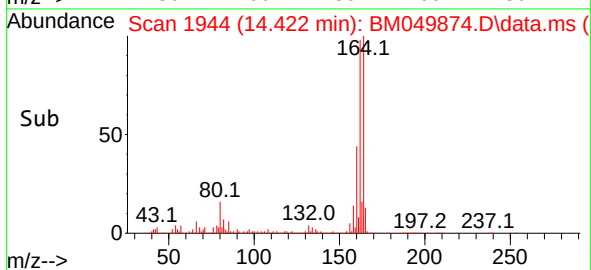
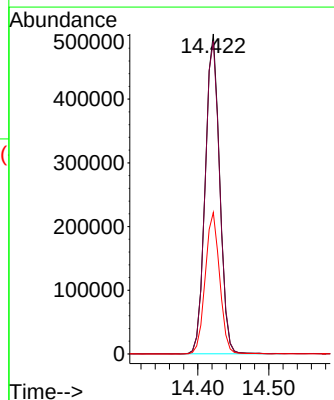
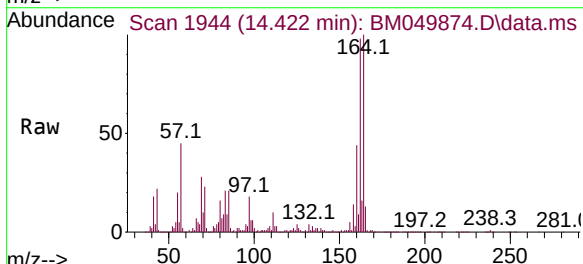
Instrument :
 BNA_M
 ClientSampleId :
 WC-LIQUID-20250404

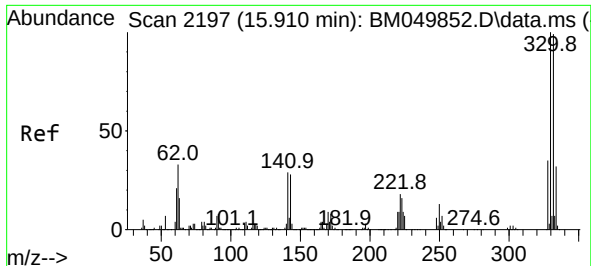
Tgt Ion: 82 Resp: 3379
 Ion Ratio Lower Upper
 82 100
 128 28.1 36.2 54.2#
 54 52.4 35.0 52.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.422 min Scan# 1944
 Delta R.T. 0.000 min
 Lab File: BM049874.D
 Acq: 09 Apr 2025 19:01

Tgt Ion:164 Resp: 706620
 Ion Ratio Lower Upper
 164 100
 162 97.7 79.4 119.0
 160 44.2 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 0.116 ng

RT: 15.910 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

Instrument :

BNA_M

ClientSampleId :

WC-LIQUID-20250404

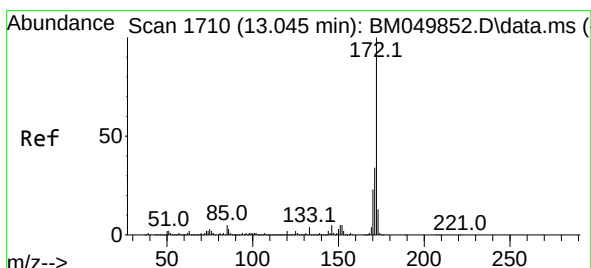
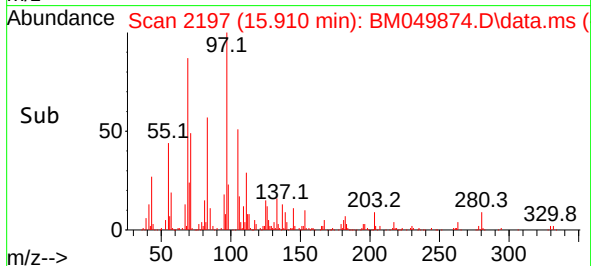
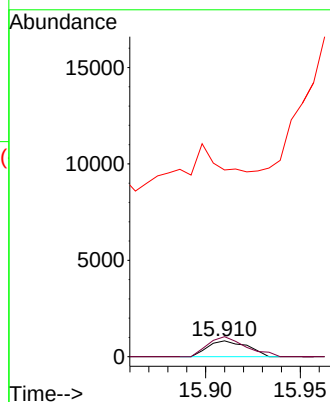
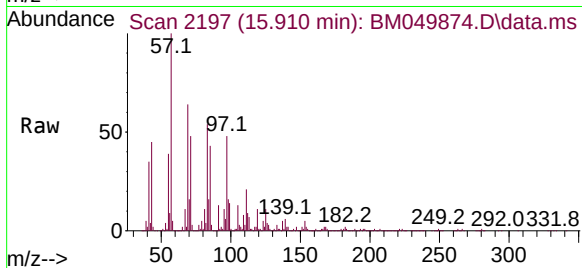
Tgt Ion:330 Resp: 1193

Ion Ratio Lower Upper

330 100

332 119.9 78.0 117.0#

141 332.3 23.5 35.3#



#45

2-Fluorobiphenyl

Concen: 0.220 ng

RT: 13.040 min Scan# 1709

Delta R.T. -0.006 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

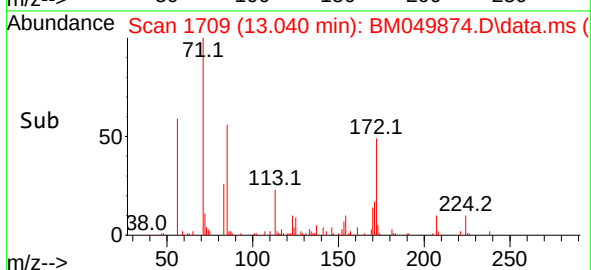
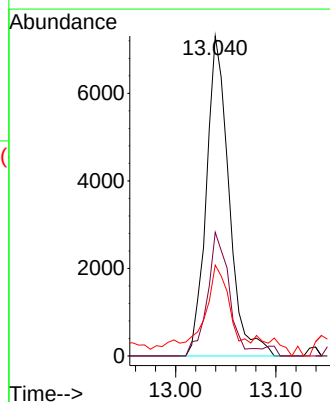
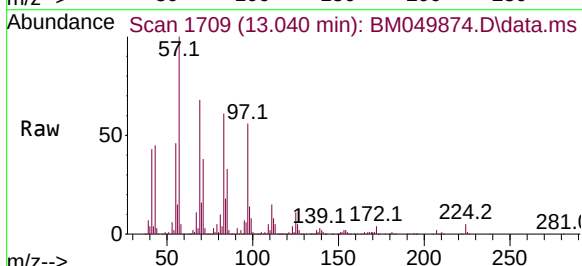
Tgt Ion:172 Resp: 11467

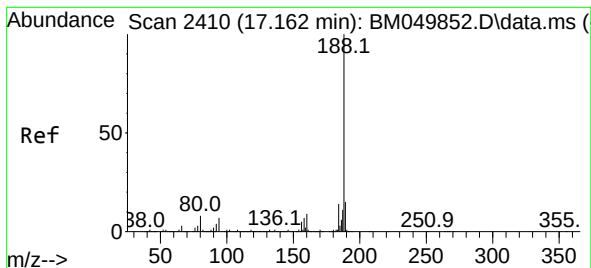
Ion Ratio Lower Upper

172 100

171 38.7 27.4 41.2

170 28.4 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: BM049874.D

Acq: 09 Apr 2025 19:01

Instrument :

BNA_M

ClientSampleId :

WC-LIQUID-20250404

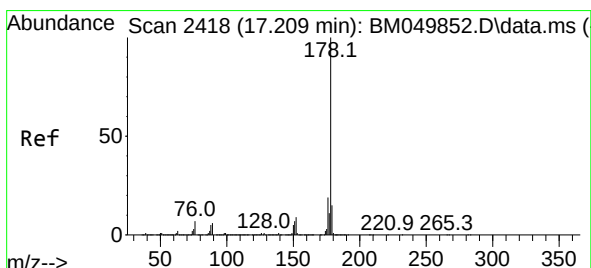
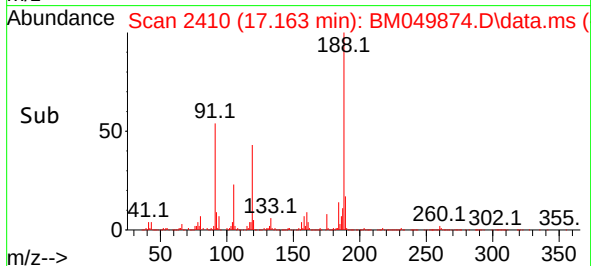
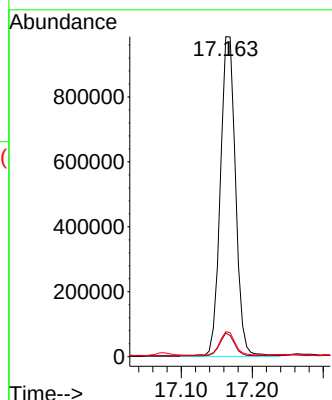
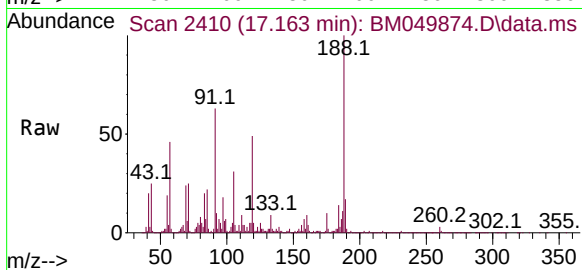
Tgt Ion:188 Resp: 1461110

Ion Ratio Lower Upper

188 100

94 7.4 5.8 8.6

80 7.8 6.4 9.6



#71

Phenanthrene

Concen: 2.485 ng

RT: 17.210 min Scan# 2418

Delta R.T. 0.000 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

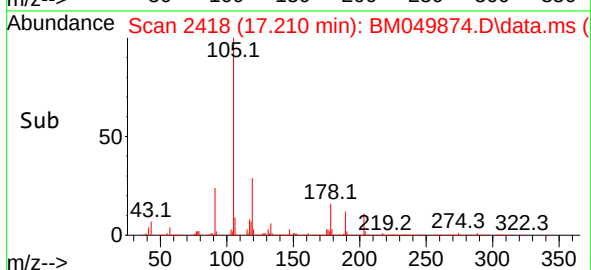
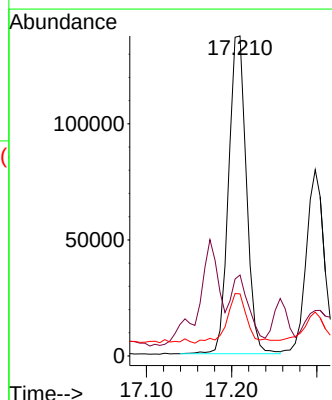
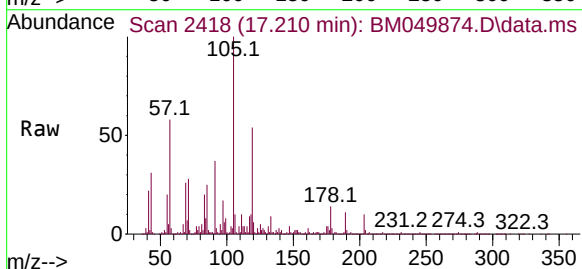
Tgt Ion:178 Resp: 199028

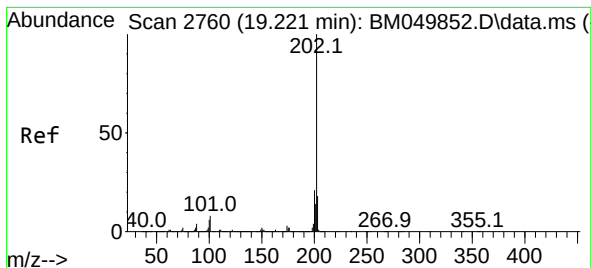
Ion Ratio Lower Upper

178 100

176 25.3 15.4 23.2#

179 19.4 12.3 18.5#





#75

Fluoranthene

Concen: 11.886 ng

RT: 19.227 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM049874.D

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Instrument :

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ClientSampleId :

WC-LIQUID-20250404

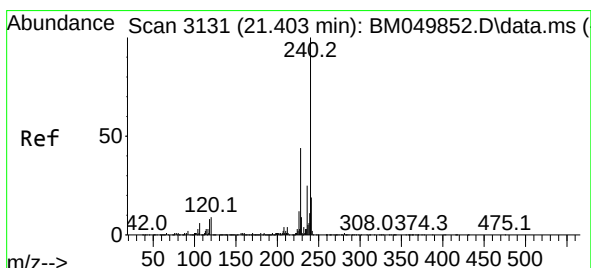
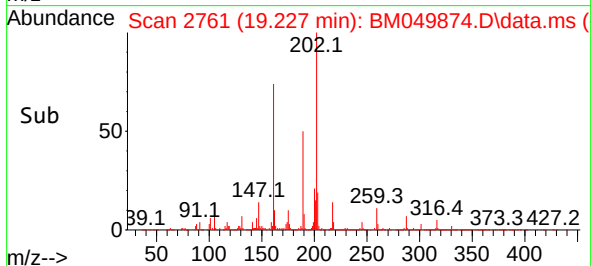
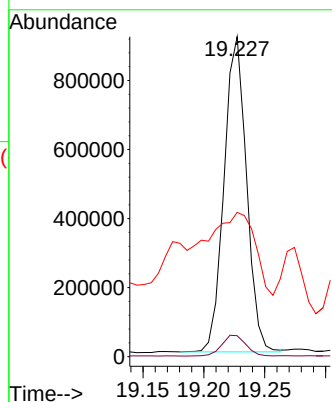
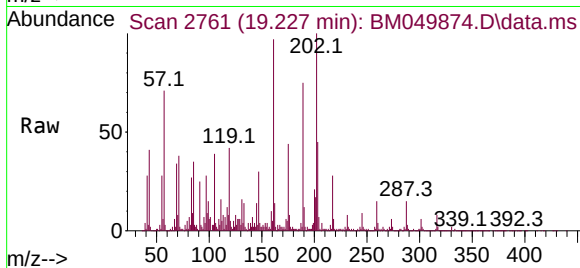
Tgt Ion:202 Resp: 1170698

Ion Ratio Lower Upper

202 100

101 6.6 0.0 28.4

203 45.1 0.0 37.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.410 min Scan# 3132

Delta R.T. 0.006 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

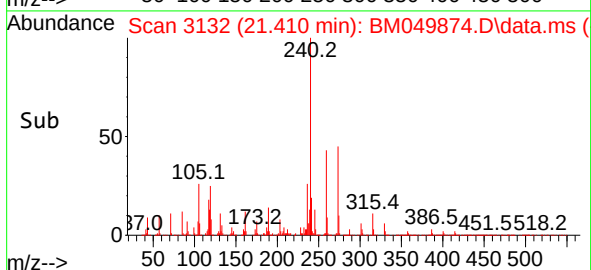
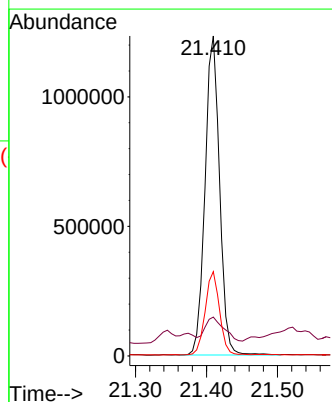
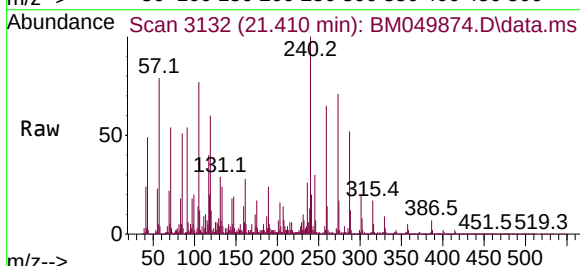
Tgt Ion:240 Resp: 1753624

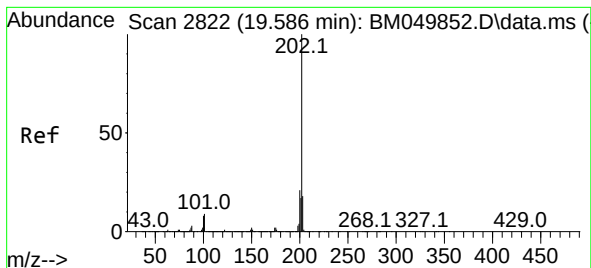
Ion Ratio Lower Upper

240 100

120 12.2 6.9 10.3#

236 26.4 20.4 30.6





#78

Pyrene

Concen: 10.874 ng

RT: 19.586 min Scan# 2822

Delta R.T. 0.000 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

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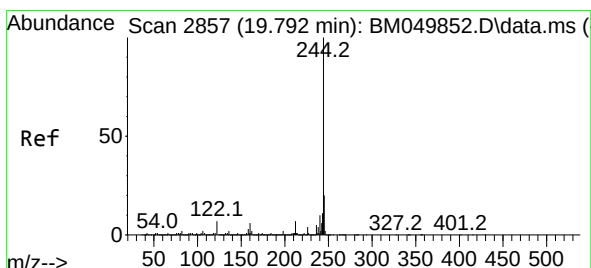
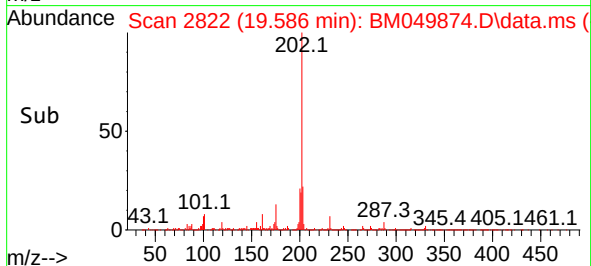
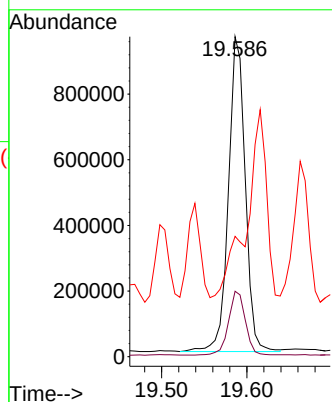
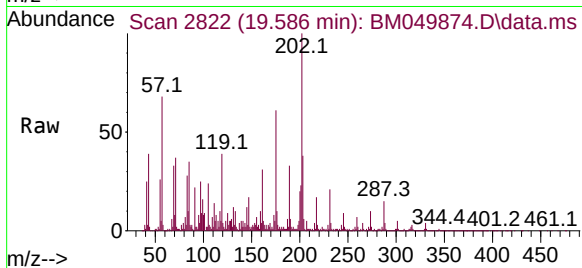
Tgt Ion:202 Resp: 1314242

Ion Ratio Lower Upper

202 100

200 20.5 16.5 24.7

203 37.6 14.0 21.0#



#79

Terphenyl-d14

Concen: 0.297 ng

RT: 19.792 min Scan# 2857

Delta R.T. 0.000 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

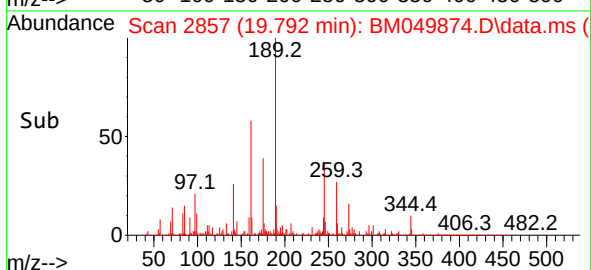
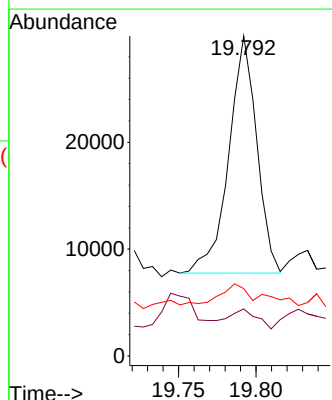
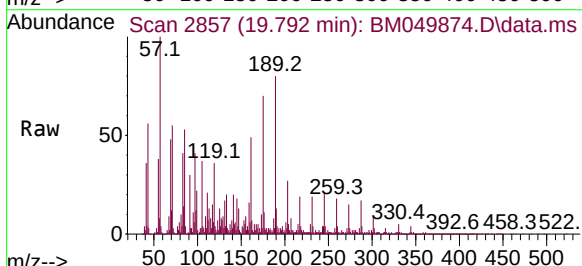
Tgt Ion:244 Resp: 27822

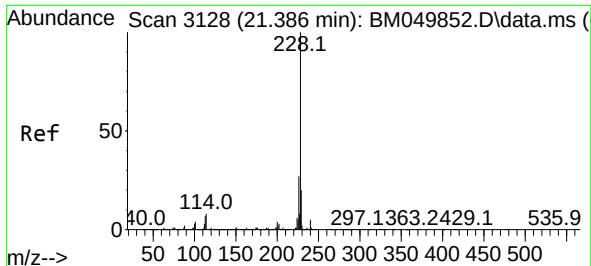
Ion Ratio Lower Upper

244 100

212 14.7 5.5 8.3#

122 21.1 5.4 8.0#

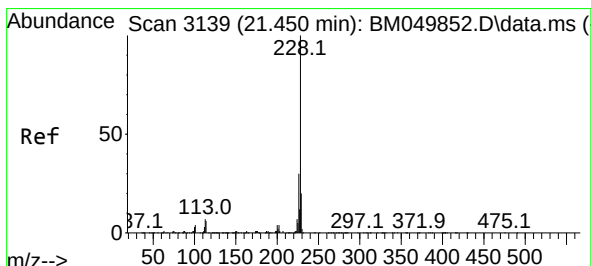
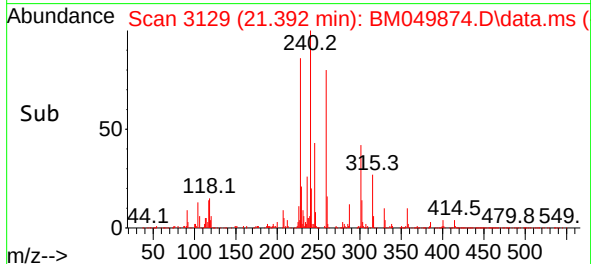
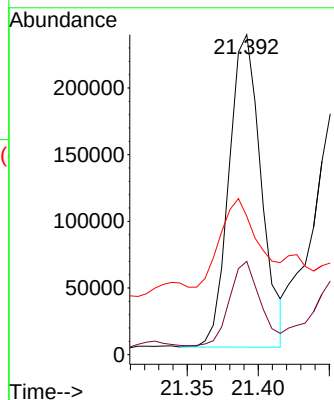
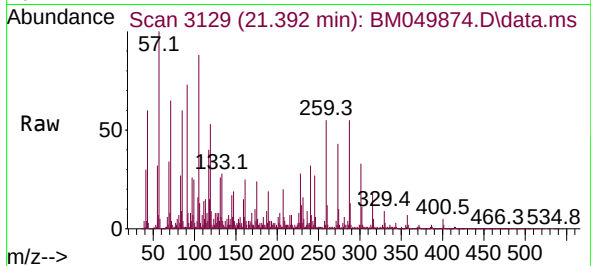




#81
Benzo(a)anthracene
Concen: 3.177 ng
RT: 21.392 min Scan# 3128
Delta R.T. 0.006 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

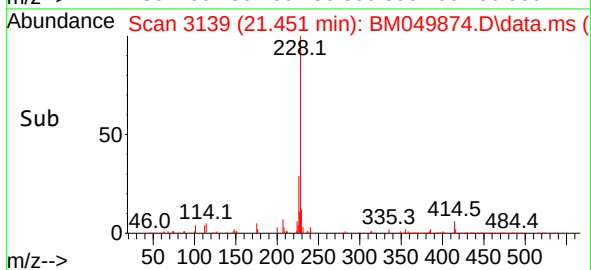
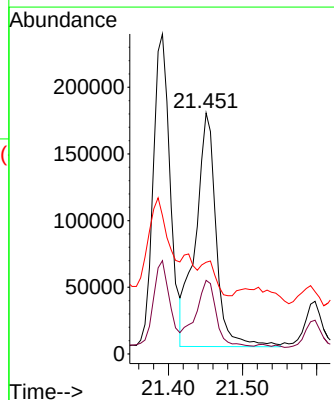
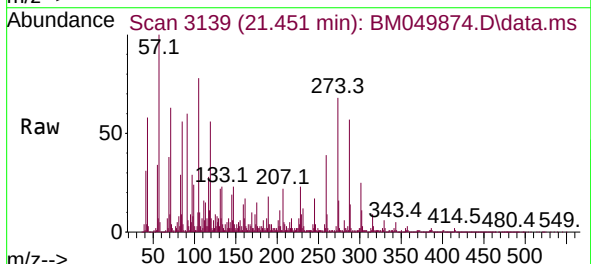
Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

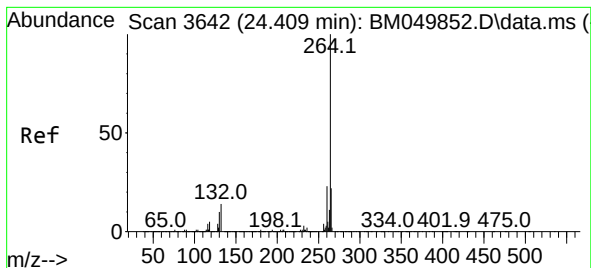
Tgt Ion:228 Resp: 370264
Ion Ratio Lower Upper
228 100
226 29.1 21.8 32.8
229 43.2 15.8 23.8#



#83
Chrysene
Concen: 3.062 ng
RT: 21.451 min Scan# 3139
Delta R.T. 0.000 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Tgt Ion:228 Resp: 339306
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 38.1 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.415 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

Instrument :

BNA_M

ClientSampleId :

WC-LIQUID-20250404

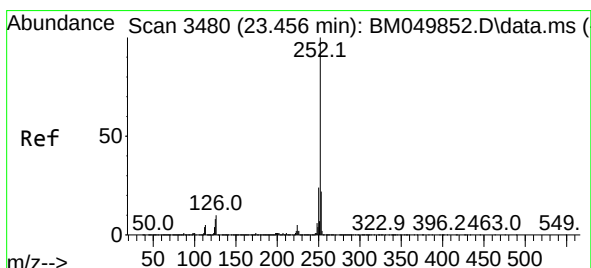
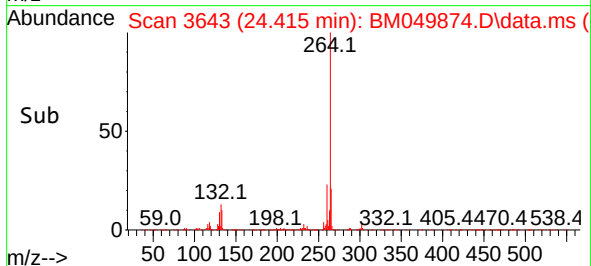
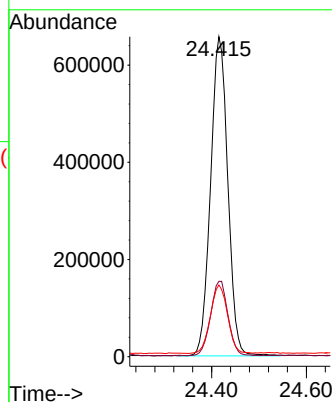
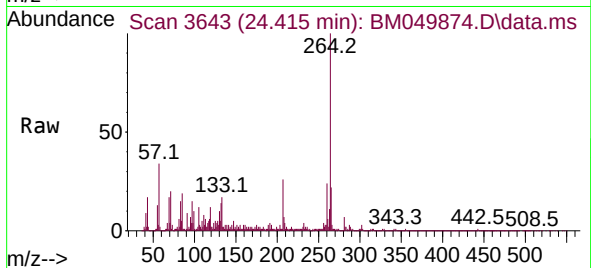
Tgt Ion:264 Resp: 1659153

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 22.4 17.8 26.8



#88

Benzo(b)fluoranthene

Concen: 4.104 ng

RT: 23.468 min Scan# 3482

Delta R.T. 0.012 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

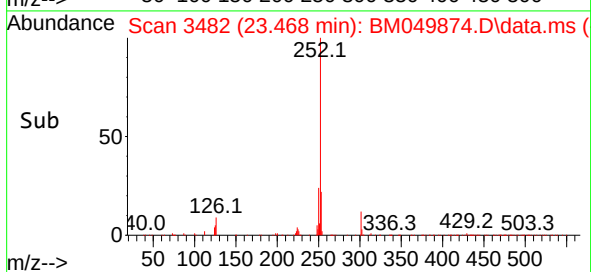
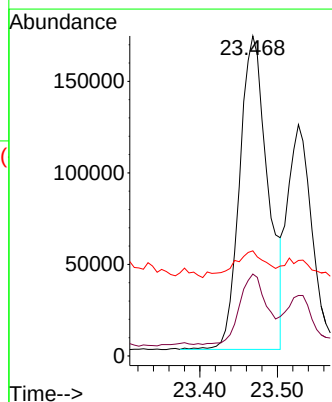
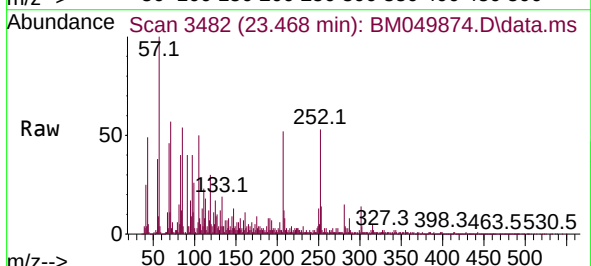
Tgt Ion:252 Resp: 434875

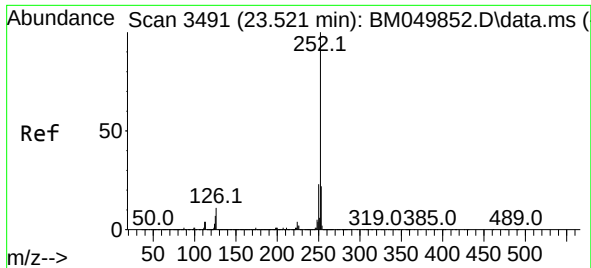
Ion Ratio Lower Upper

252 100

253 25.6 17.5 26.3

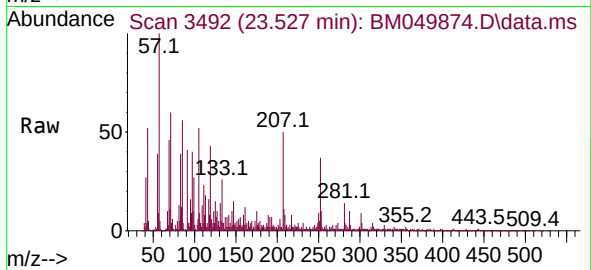
125 32.9 6.2 9.4#





#89
Benzo(k)fluoranthene
Concen: 2.589 ng
RT: 23.527 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404



Tgt Ion:252 Resp: 265854
Ion Ratio Lower Upper
252 100
253 26.1 17.4 26.2
125 41.3 5.8 8.8#

