

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
 Data File : BM049870.D
 Acq On : 09 Apr 2025 16:24
 Operator : RC/JU
 Sample : Q1712-01DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 Z-05ADL

Quant Time: Apr 09 17:40:43 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)

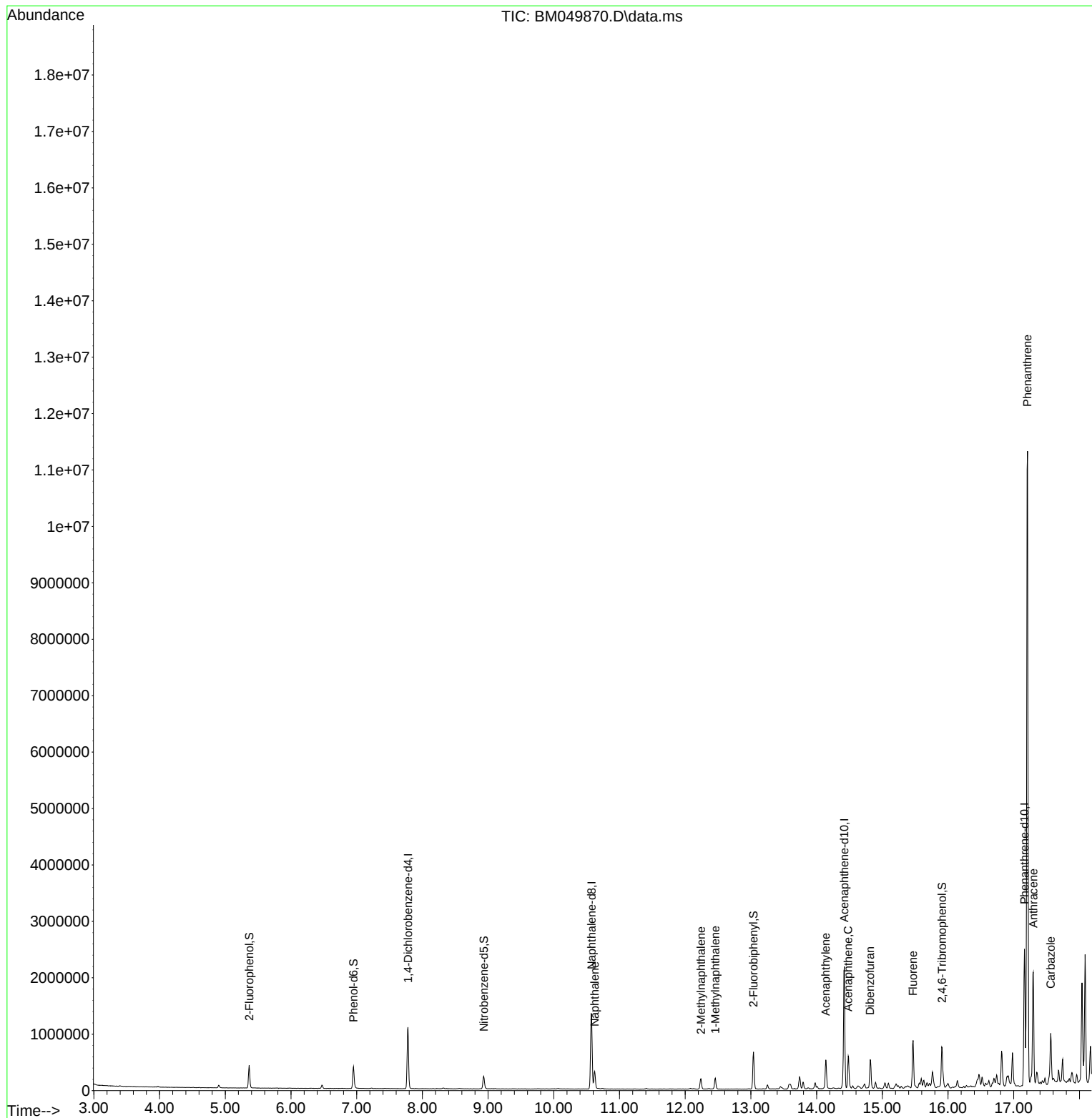
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	319647	20.000	ng	0.00
21) Naphthalene-d8	10.574	136	1174162	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	771024	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1470730	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1481399	20.000	ng	0.00
86) Perylene-d12	24.397	264	1536362	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	182732	9.707	ng	0.00
7) Phenol-d6	6.951	99	234338	10.006	ng	0.00
23) Nitrobenzene-d5	8.933	82	134827	6.394	ng	0.00
42) 2,4,6-Tribromophenol	15.909	330	98896	8.818	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	351158	6.176	ng	0.00
79) Terphenyl-d14	19.786	244	443907	5.616	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.622	128	255288	4.231	ng	100
37) 2-Methylnaphthalene	12.239	142	93963	2.210	ng	97
38) 1-Methylnaphthalene	12.457	142	92074	2.223	ng	99
49) Acenaphthylene	14.139	152	359348	5.476	ng	99
52) Acenaphthene	14.480	154	207815	4.979	ng	98
55) Dibenzofuran	14.815	168	299796	4.296	ng	98
58) Fluorene	15.468	166	379162	6.836	ng	98
71) Phenanthrene	17.209	178	7160827	88.810	ng	99
72) Anthracene	17.298	178	1324876	16.673	ng	99
73) Carbazole	17.562	167	562779	7.520	ng	99
75) Fluoranthene	19.227	202	9521469	96.041	ng	98
78) Pyrene	19.586	202	8488286	83.141	ng	98
81) Benzo(a)anthracene	21.386	228	4257112	43.240	ng	98
83) Chrysene	21.444	228	3885065	41.507	ng	98
87) Indeno(1,2,3-cd)pyrene	27.785	276	1915591	16.727	ng	97
88) Benzo(b)fluoranthene	23.462	252	4486320	45.722	ng	100
89) Benzo(k)fluoranthene	23.515	252	1653192m	17.386	ng	
90) Benzo(a)pyrene	24.262	252	3043879	35.303	ng	99
91) Dibenzo(a,h)anthracene	27.820	278	534287	5.664	ng	96
92) Benzo(g,h,i)perylene	28.838	276	1822891	18.911	ng	99

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

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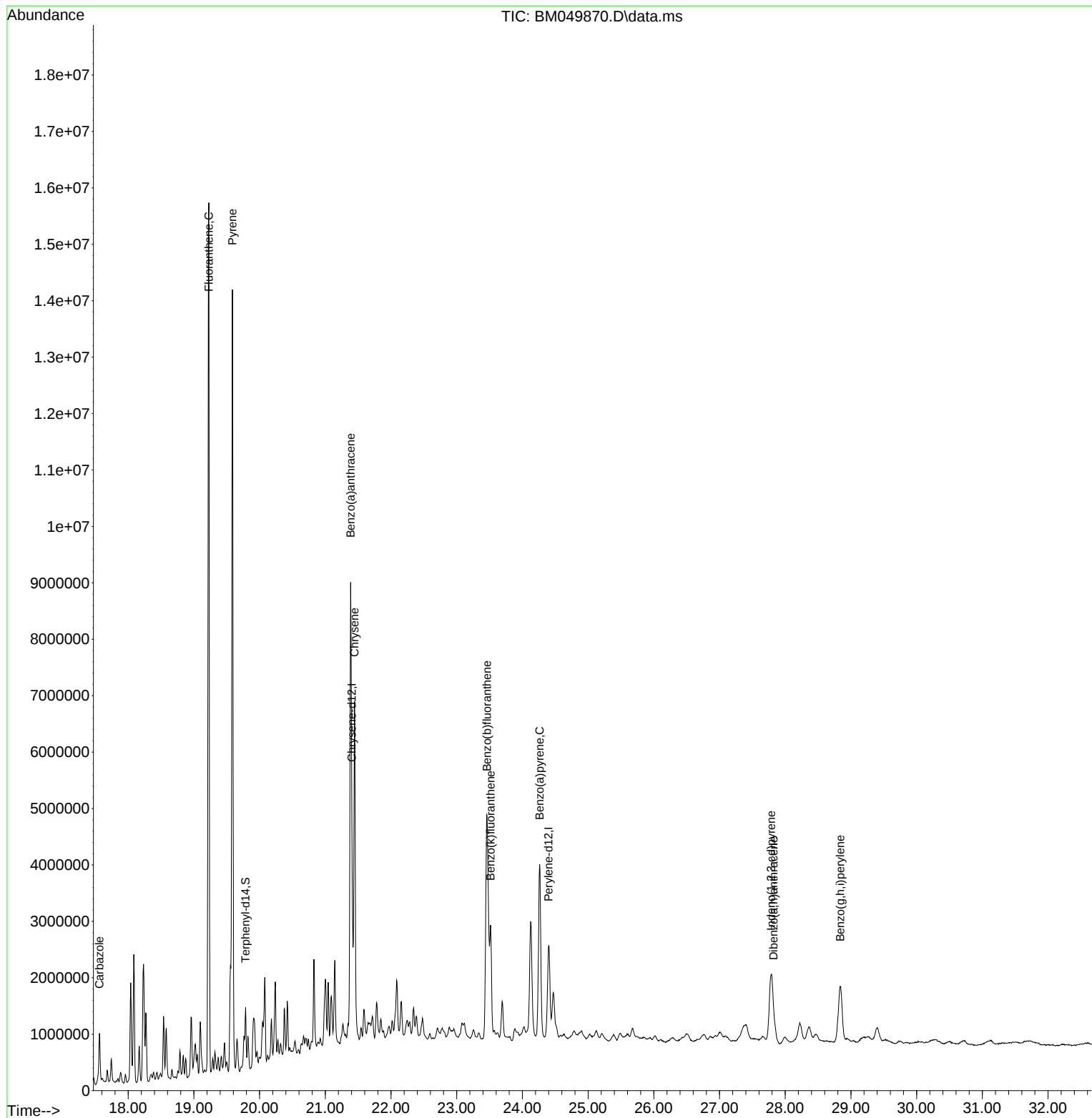
Quant Time: Apr 09 17:40:43 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
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Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
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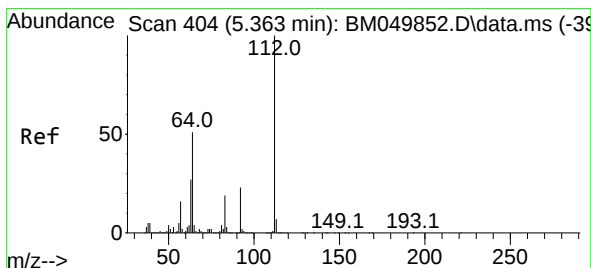
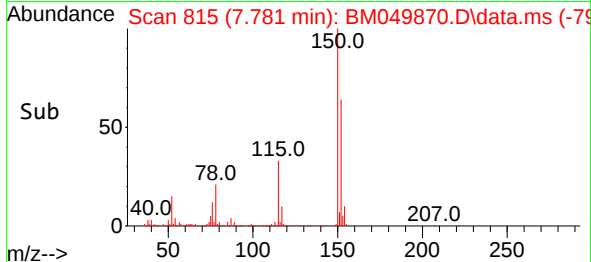
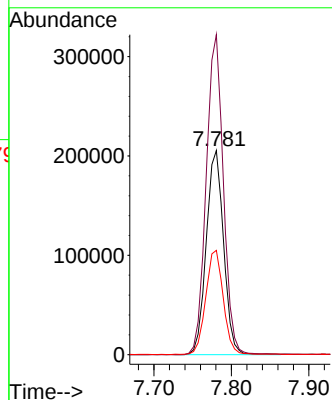
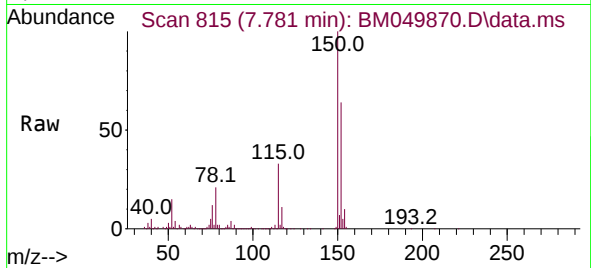




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 815
Delta R.T. -0.000 min
Lab File: BM049870.D
Acq: 09 Apr 2025 16:24

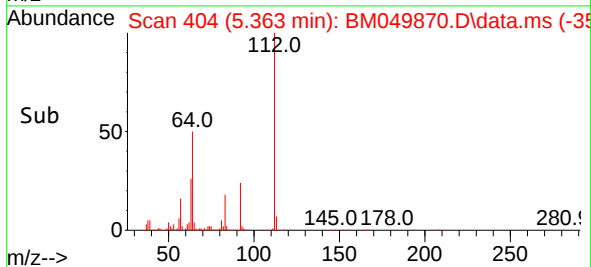
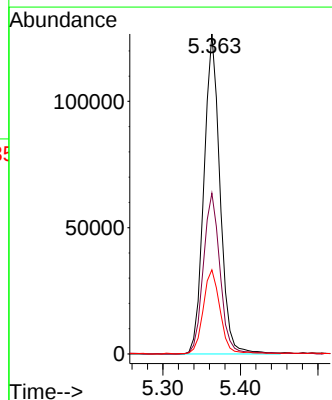
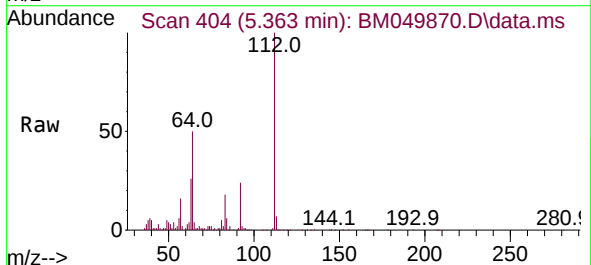
Instrument :
BNA_M
ClientSampleId :
Z-05ADL

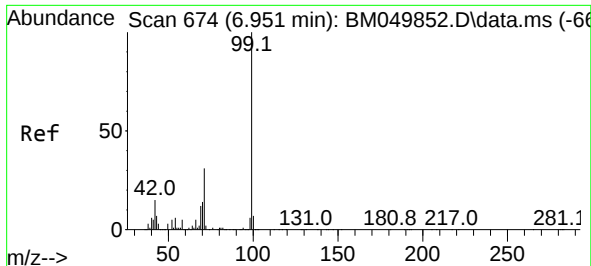
Tgt Ion:152 Resp: 319647
Ion Ratio Lower Upper
152 100
150 156.8 124.3 186.5
115 51.1 41.1 61.7



#5
2-Fluorophenol
Concen: 9.707 ng
RT: 5.363 min Scan# 404
Delta R.T. -0.000 min
Lab File: BM049870.D
Acq: 09 Apr 2025 16:24

Tgt Ion:112 Resp: 182732
Ion Ratio Lower Upper
112 100
64 50.2 41.0 61.6
63 26.3 21.5 32.3

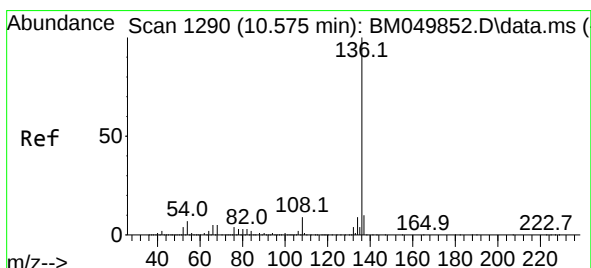
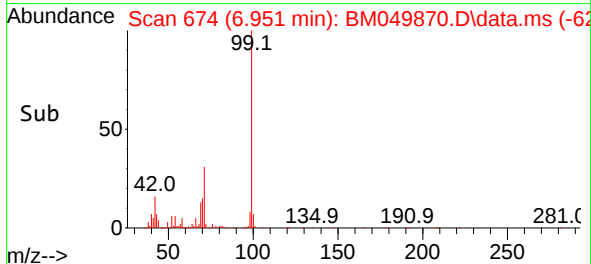
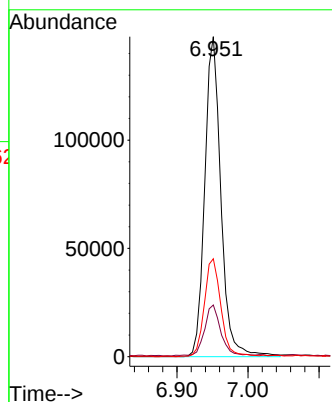
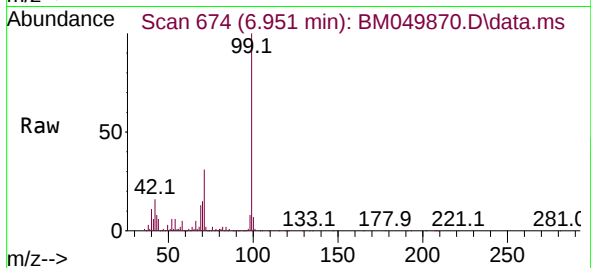




#7
Phenol-d6
Concen: 10.006 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049870.D
Acq: 09 Apr 2025 16:24

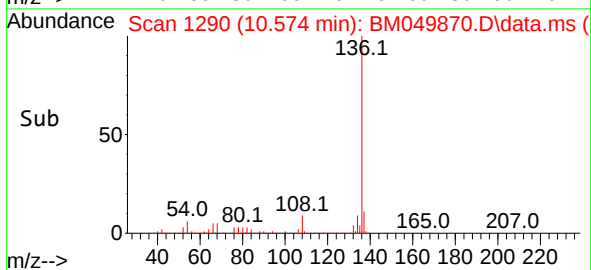
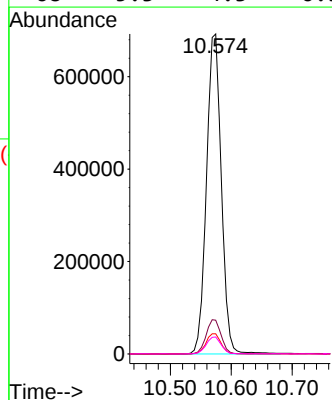
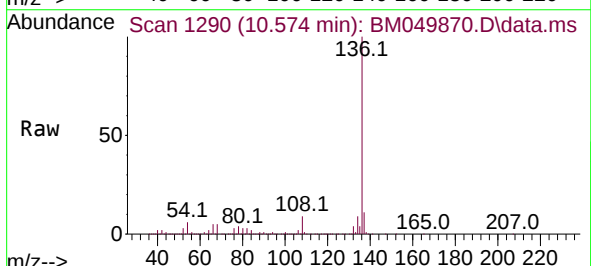
Instrument :
BNA_M
ClientSampleId :
Z-05ADL

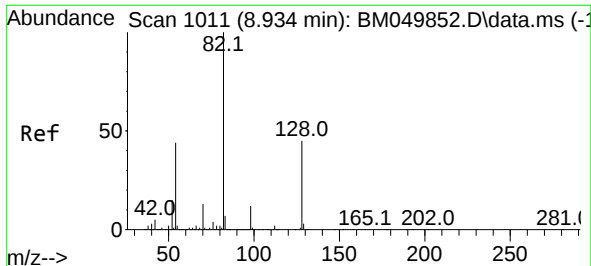
Tgt Ion: 99 Resp: 234338
Ion Ratio Lower Upper
99 100
42 16.1 12.1 18.1
71 30.6 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.574 min Scan# 1290
Delta R.T. -0.000 min
Lab File: BM049870.D
Acq: 09 Apr 2025 16:24

Tgt Ion:136 Resp: 1174162
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 6.3 5.3 7.9
68 5.3 4.3 6.5

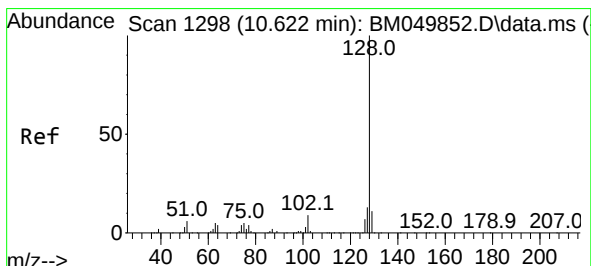
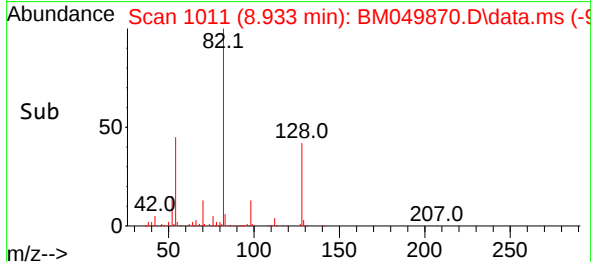
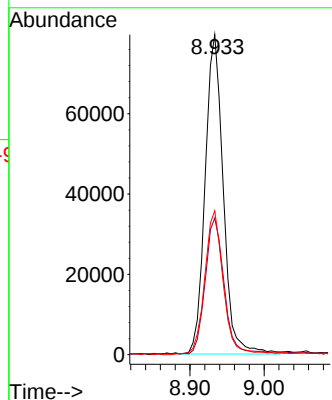
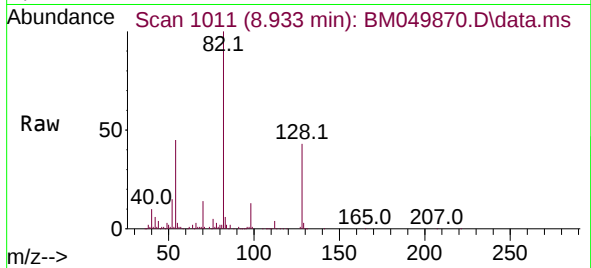




#23
Nitrobenzene-d5
Concen: 6.394 ng
RT: 8.933 min Scan# 1011
Delta R.T. -0.000 min
Lab File: BM049870.D
Acq: 09 Apr 2025 16:24

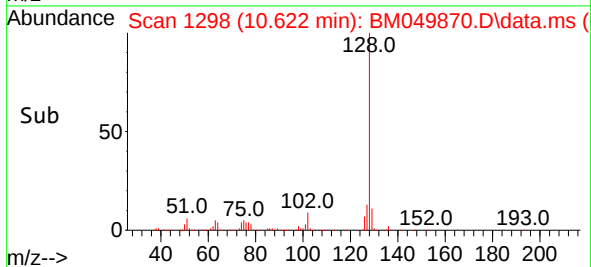
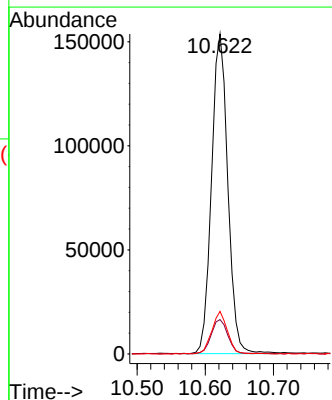
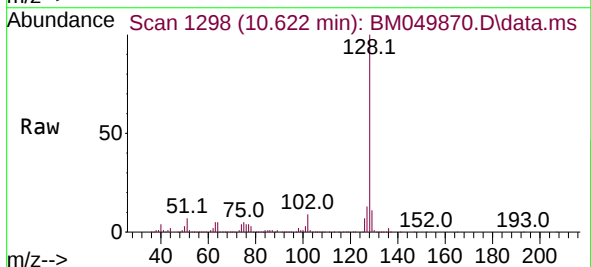
Instrument :
BNA_M
ClientSampleId :
Z-05ADL

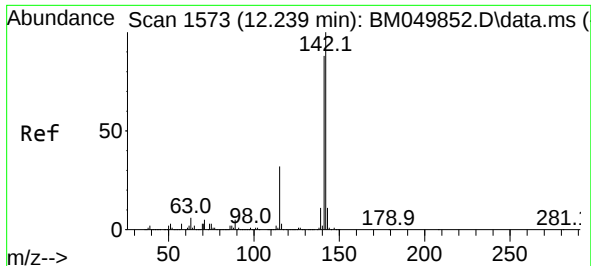
Tgt Ion: 82 Resp: 134827
Ion Ratio Lower Upper
82 100
128 42.6 36.2 54.2
54 44.9 35.0 52.6



#31
Naphthalene
Concen: 4.231 ng
RT: 10.622 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BM049870.D
Acq: 09 Apr 2025 16:24

Tgt Ion: 128 Resp: 255288
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.3 10.6 15.8

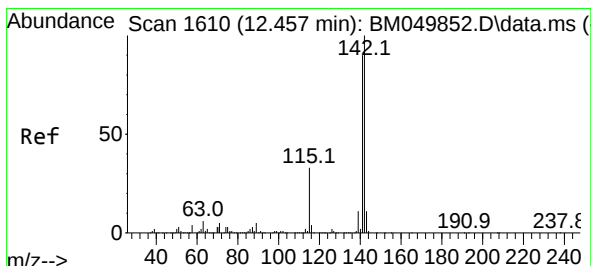
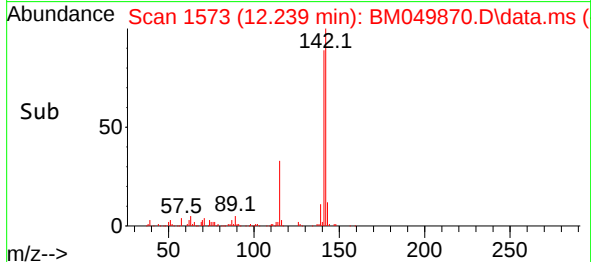
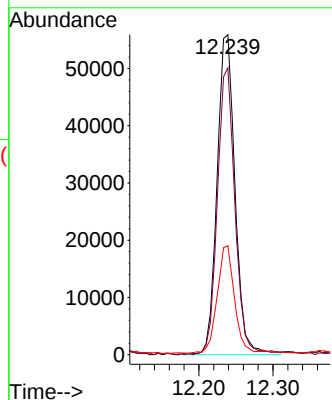
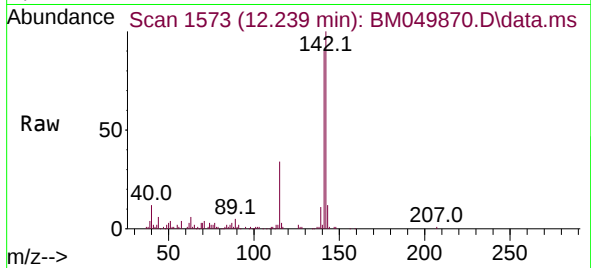




#37
2-Methylnaphthalene
Concen: 2.210 ng
RT: 12.239 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BM049870.D
Acq: 09 Apr 2025 16:24

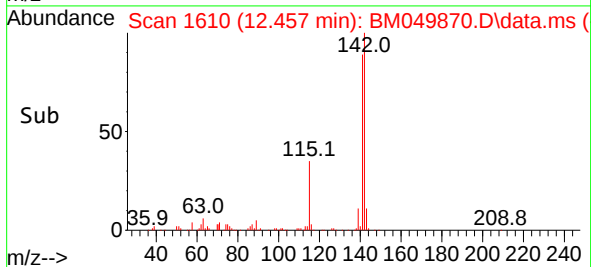
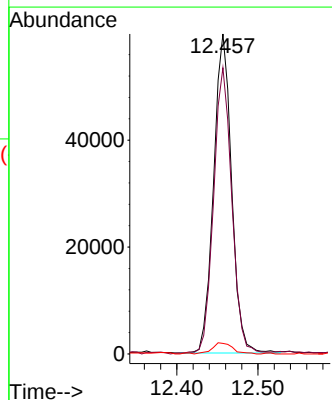
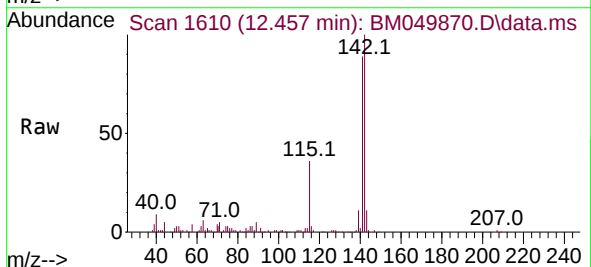
Instrument :
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ClientSampleId :
Z-05ADL

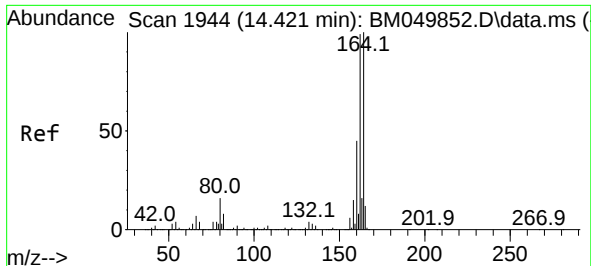
Tgt Ion:142 Resp: 93963
Ion Ratio Lower Upper
142 100
141 89.6 70.2 105.2
115 34.0 25.4 38.2



#38
1-Methylnaphthalene
Concen: 2.223 ng
RT: 12.457 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BM049870.D
Acq: 09 Apr 2025 16:24

Tgt Ion:142 Resp: 92074
Ion Ratio Lower Upper
142 100
141 89.4 72.2 108.2
116 3.3 2.9 4.3

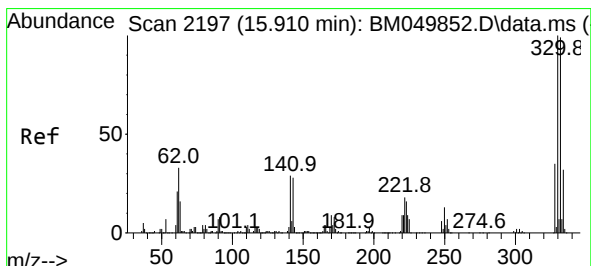
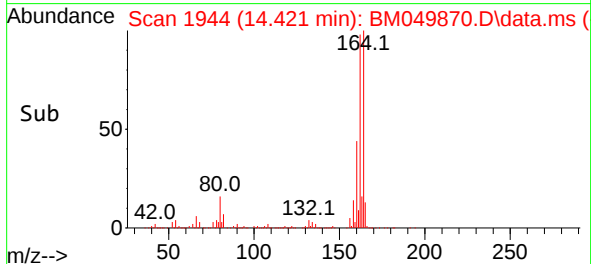
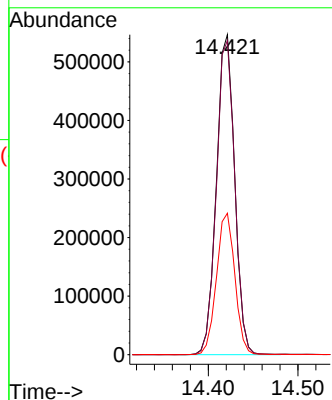
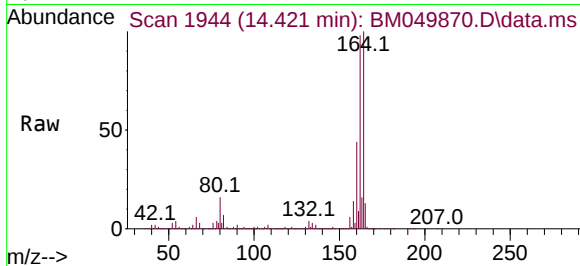




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BM049870.D
Acq: 09 Apr 2025 16:24

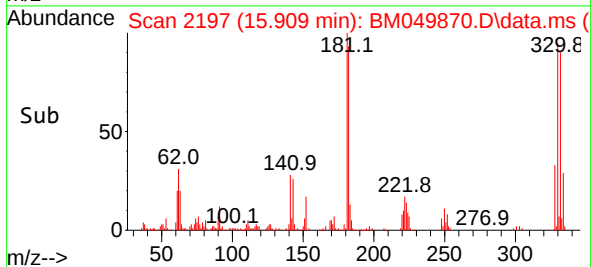
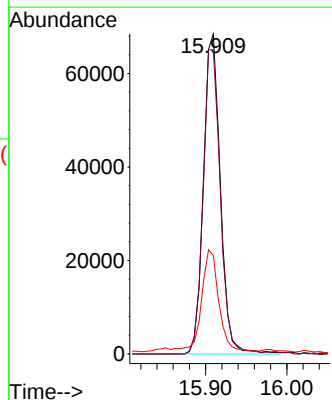
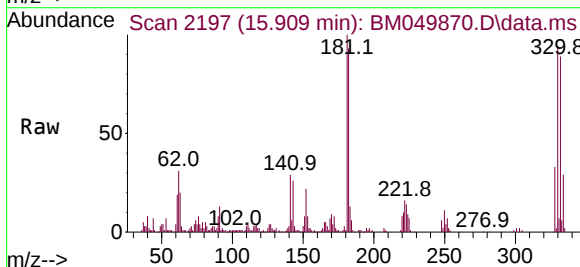
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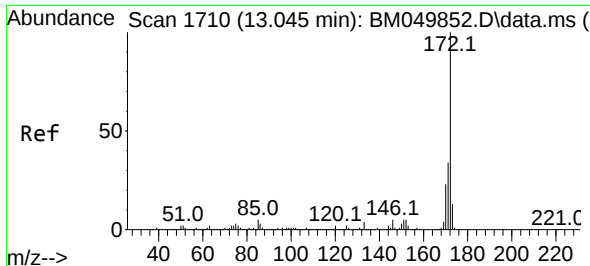
Tgt Ion:164 Resp: 771024
Ion Ratio Lower Upper
164 100
162 98.2 79.4 119.0
160 44.2 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 8.818 ng
RT: 15.909 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BM049870.D
Acq: 09 Apr 2025 16:24

Tgt Ion:330 Resp: 98896
Ion Ratio Lower Upper
330 100
332 96.4 78.0 117.0
141 32.4 23.5 35.3

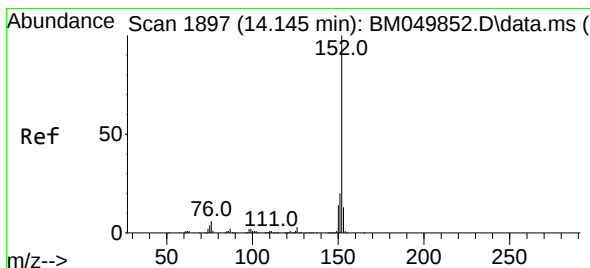
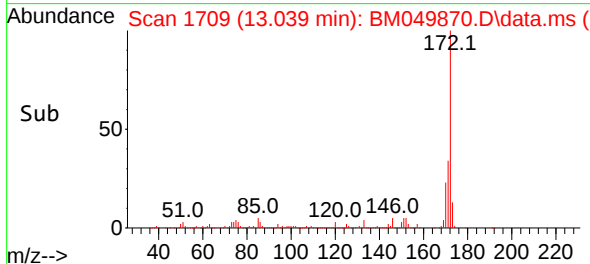
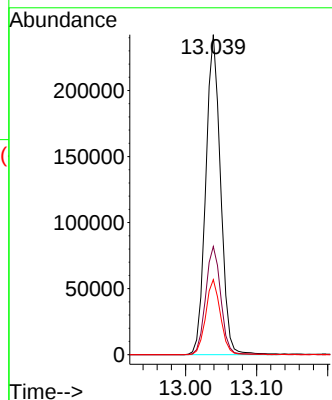
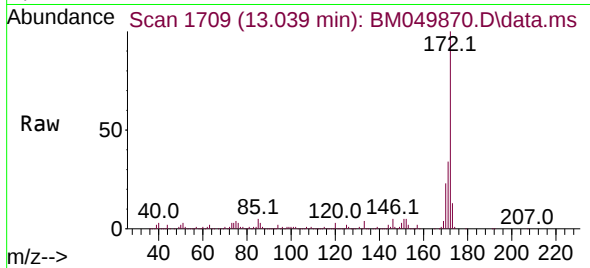




#45
2-Fluorobiphenyl
Concen: 6.176 ng
RT: 13.039 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BM049870.D
Acq: 09 Apr 2025 16:24

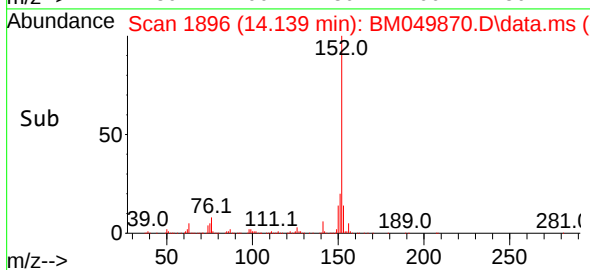
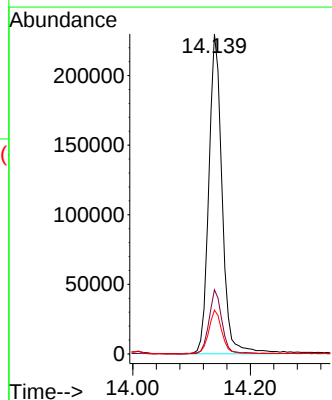
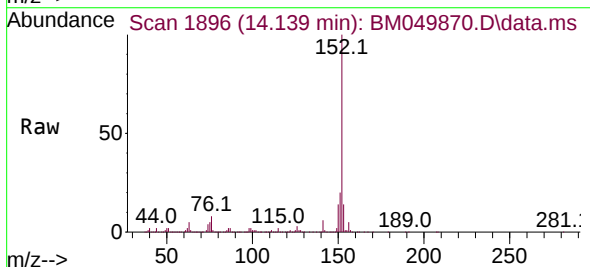
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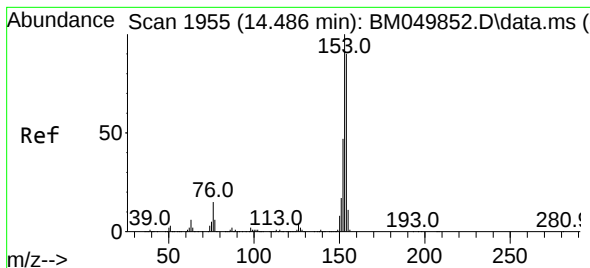
Tgt Ion:172 Resp: 351158
Ion Ratio Lower Upper
172 100
171 33.8 27.4 41.2
170 23.4 18.6 28.0



#49
Acenaphthylene
Concen: 5.476 ng
RT: 14.139 min Scan# 1896
Delta R.T. -0.006 min
Lab File: BM049870.D
Acq: 09 Apr 2025 16:24

Tgt Ion:152 Resp: 359348
Ion Ratio Lower Upper
152 100
151 20.1 15.7 23.5
153 13.7 10.4 15.6





#52

Acenaphthene

Concen: 4.979 ng

RT: 14.480 min Scan# 1954

Delta R.T. -0.006 min

Lab File: BM049870.D

Acq: 09 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

Z-05ADL

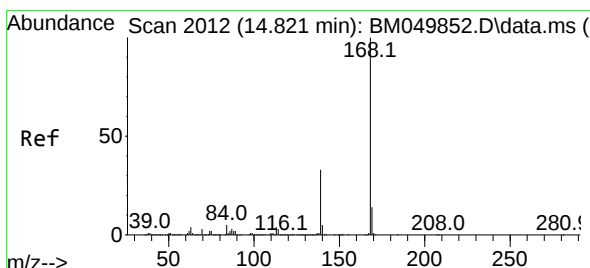
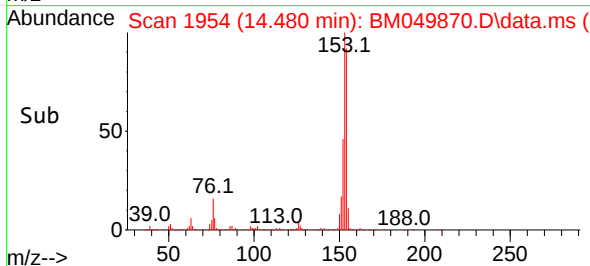
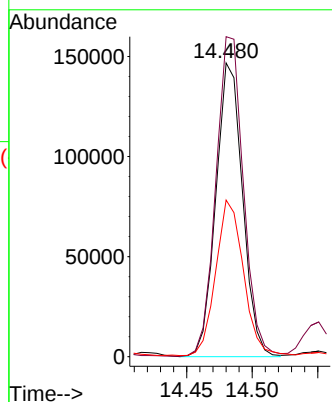
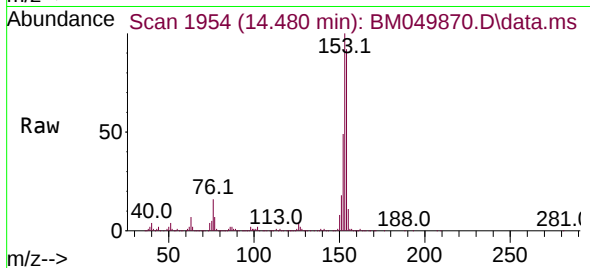
Tgt Ion:154 Resp: 207815

Ion Ratio Lower Upper

154 100

153 108.9 89.3 133.9

152 53.3 42.2 63.2



#55

Dibenzofuran

Concen: 4.296 ng

RT: 14.815 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BM049870.D

Acq: 09 Apr 2025 16:24

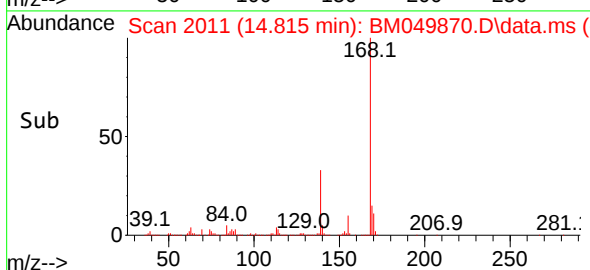
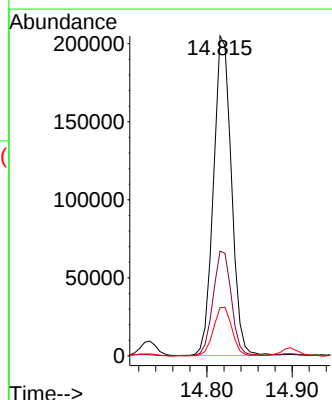
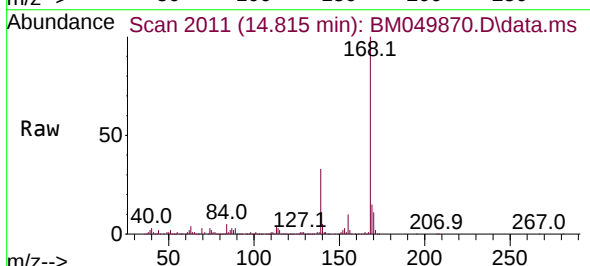
Tgt Ion:168 Resp: 299796

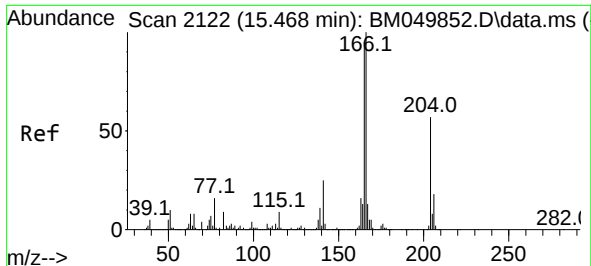
Ion Ratio Lower Upper

168 100

139 32.7 26.6 39.8

169 15.1 11.0 16.4

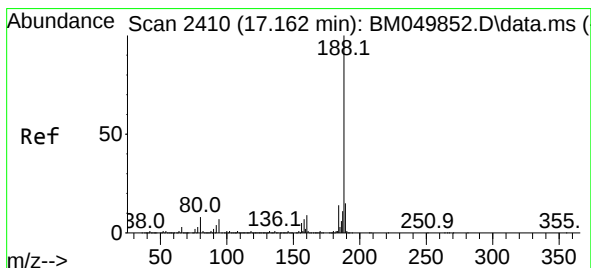
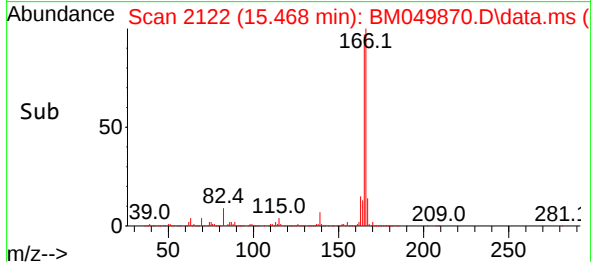
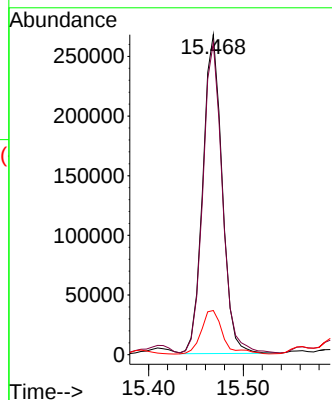
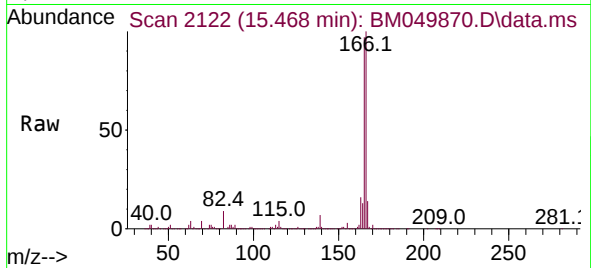




#58
 Fluorene
 Concen: 6.836 ng
 RT: 15.468 min Scan# 2122
 Delta R.T. -0.000 min
 Lab File: BM049870.D
 Acq: 09 Apr 2025 16:24

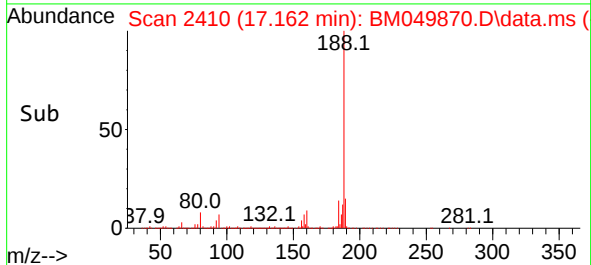
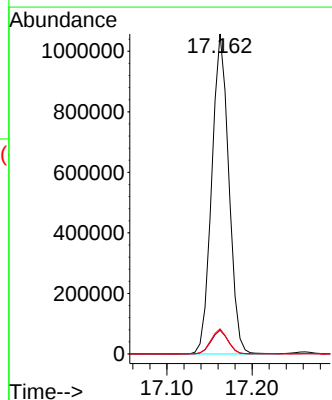
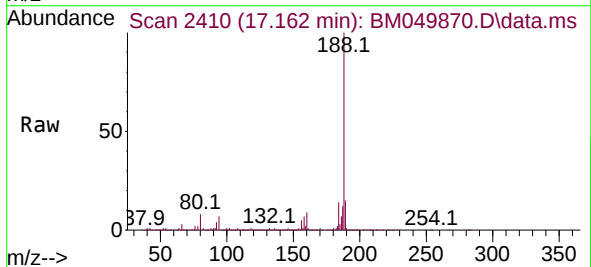
Instrument :
 BNA_M
 ClientSampleId :
 Z-05ADL

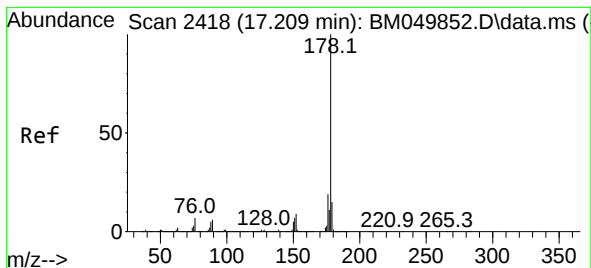
Tgt Ion:166 Resp: 379162
 Ion Ratio Lower Upper
 166 100
 165 97.4 76.3 114.5
 167 13.8 10.7 16.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.162 min Scan# 2410
 Delta R.T. -0.000 min
 Lab File: BM049870.D
 Acq: 09 Apr 2025 16:24

Tgt Ion:188 Resp: 1470730
 Ion Ratio Lower Upper
 188 100
 94 7.4 5.8 8.6
 80 7.9 6.4 9.6





#71

Phenanthrene

Concen: 88.810 ng

RT: 17.209 min Scan# 2418

Delta R.T. -0.000 min

Lab File: BM049870.D

Acq: 09 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

Z-05ADL

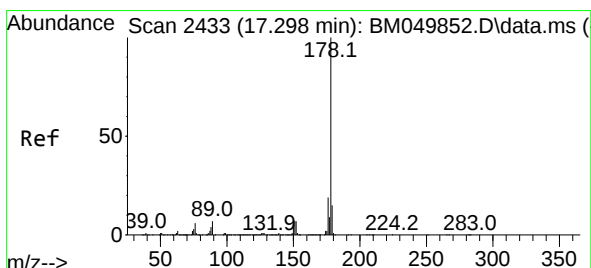
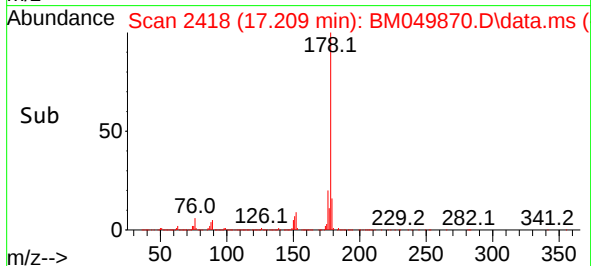
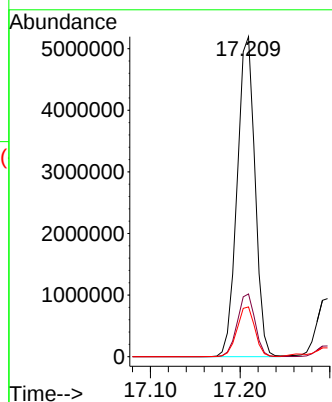
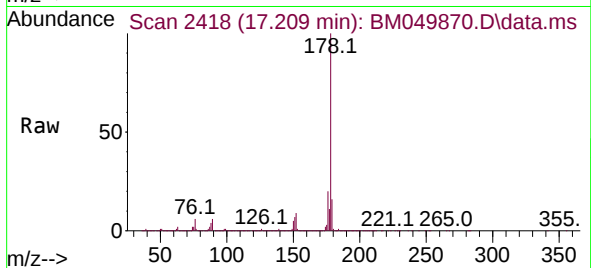
Tgt Ion:178 Resp: 7160827

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

179 15.6 12.3 18.5



#72

Anthracene

Concen: 16.673 ng

RT: 17.298 min Scan# 2433

Delta R.T. -0.000 min

Lab File: BM049870.D

Acq: 09 Apr 2025 16:24

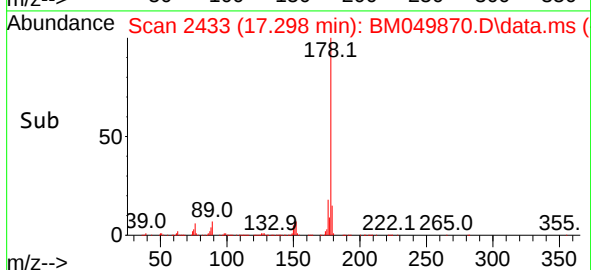
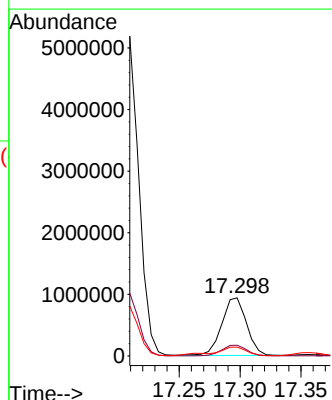
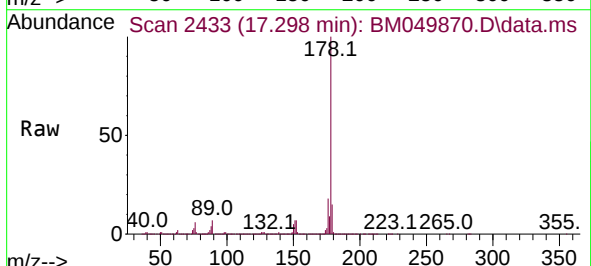
Tgt Ion:178 Resp: 1324876

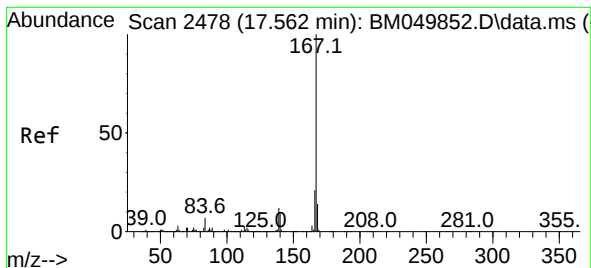
Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

179 15.2 12.4 18.6





#73

Carbazole

Concen: 7.520 ng

RT: 17.562 min Scan# 24

Delta R.T. -0.000 min

Lab File: BM049870.D

Acq: 09 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

Z-05ADL

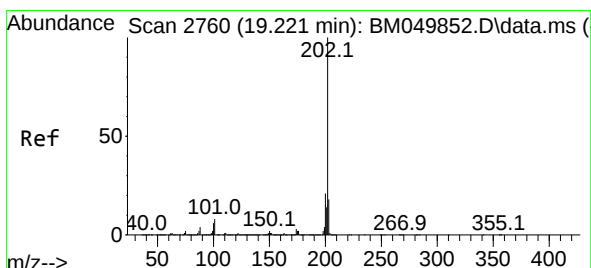
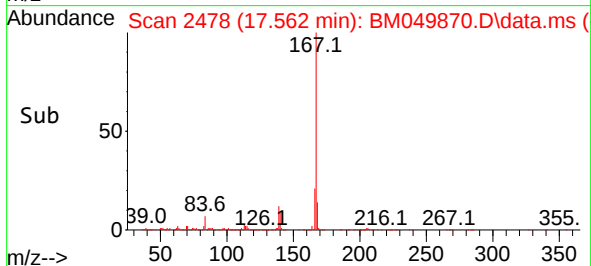
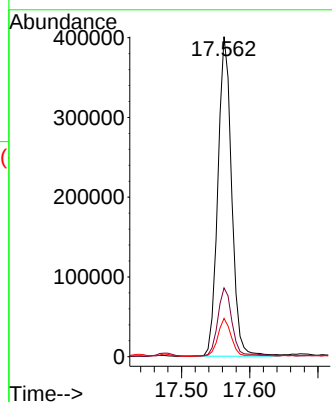
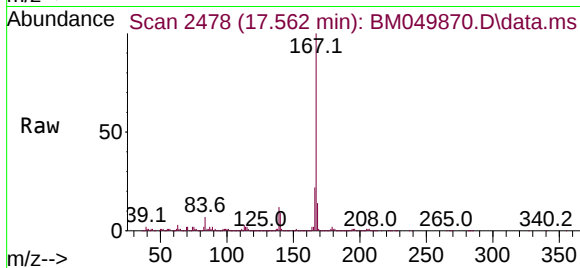
Tgt Ion:167 Resp: 562779

Ion Ratio Lower Upper

167 100

166 21.5 16.9 25.3

139 12.0 9.3 13.9



#75

Fluoranthene

Concen: 96.041 ng

RT: 19.227 min Scan# 2761

Delta R.T. 0.006 min

Lab File: BM049870.D

Acq: 09 Apr 2025 16:24

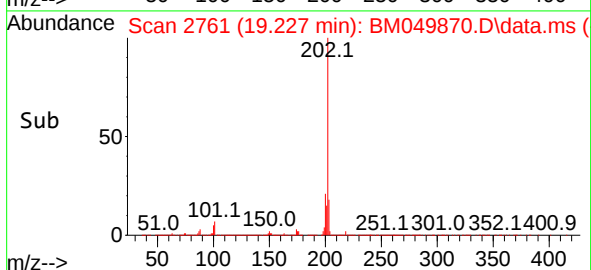
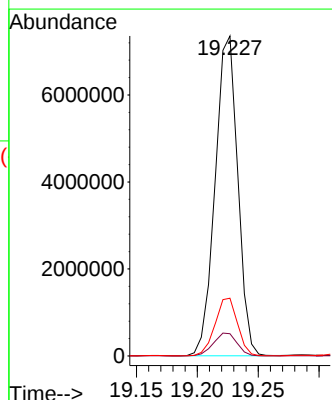
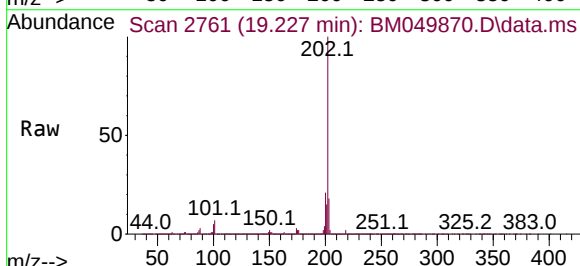
Tgt Ion:202 Resp: 9521469

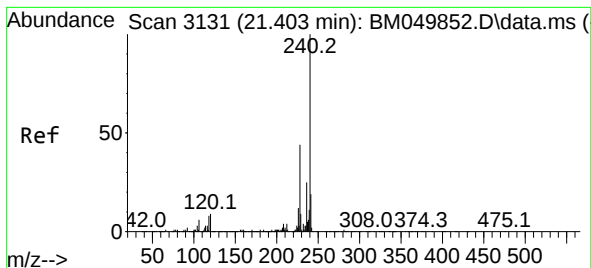
Ion Ratio Lower Upper

202 100

101 6.9 0.0 28.4

203 18.1 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.403 min Scan# 3131

Delta R.T. -0.000 min

Lab File: BM049870.D

Acq: 09 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

Z-05ADL

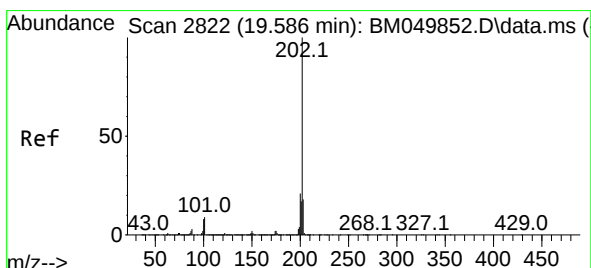
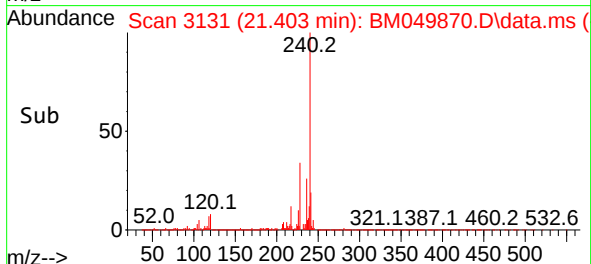
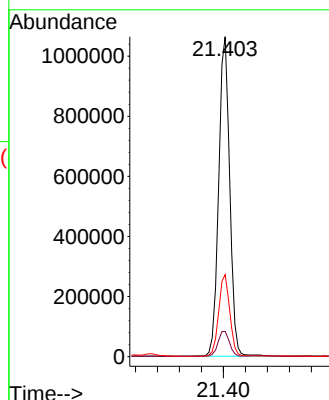
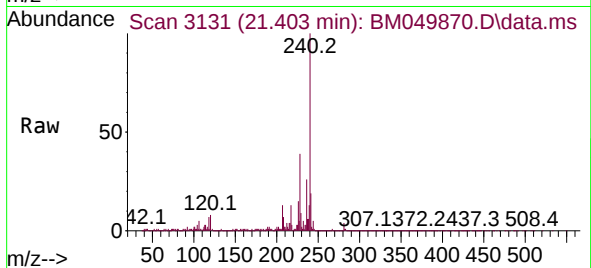
Tgt Ion:240 Resp: 1481399

Ion Ratio Lower Upper

240 100

120 7.9 6.9 10.3

236 25.7 20.4 30.6



#78

Pyrene

Concen: 83.141 ng

RT: 19.586 min Scan# 2822

Delta R.T. -0.000 min

Lab File: BM049870.D

Acq: 09 Apr 2025 16:24

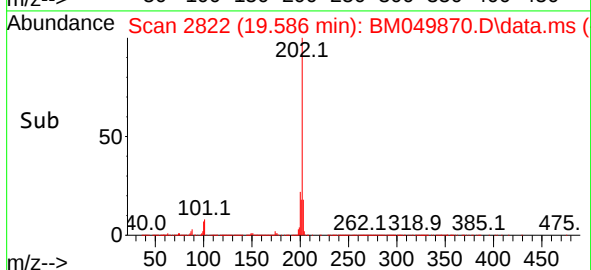
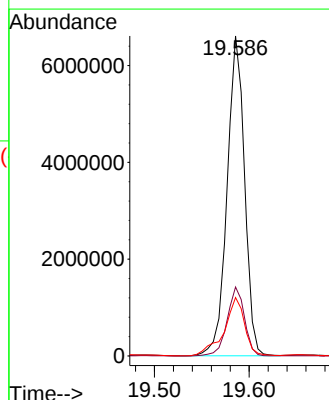
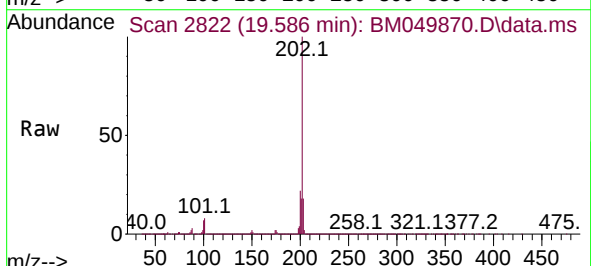
Tgt Ion:202 Resp: 8488286

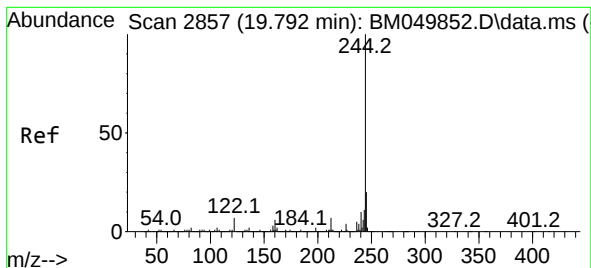
Ion Ratio Lower Upper

202 100

200 21.5 16.5 24.7

203 18.3 14.0 21.0





#79

Terphenyl-d14

Concen: 5.616 ng

RT: 19.786 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM049870.D

Acq: 09 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

Z-05ADL

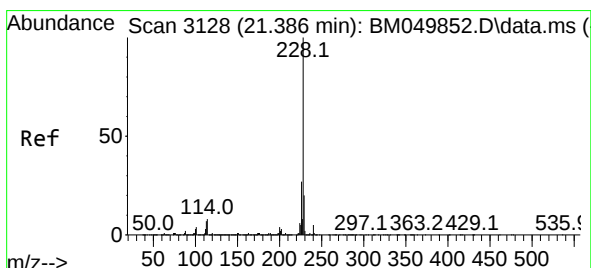
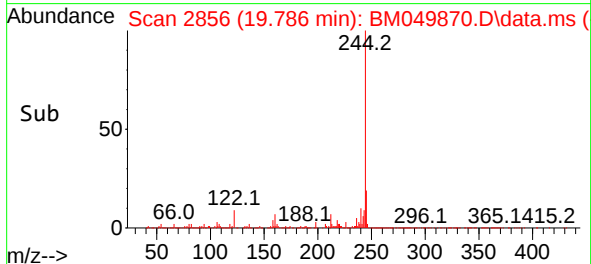
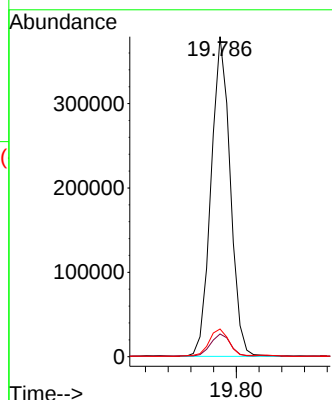
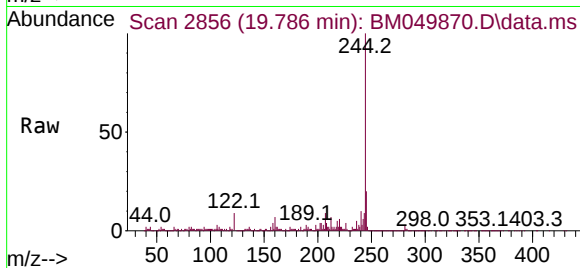
Tgt Ion:244 Resp: 443907

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 8.7 5.4 8.0#



#81

Benzo(a)anthracene

Concen: 43.240 ng

RT: 21.386 min Scan# 3128

Delta R.T. -0.000 min

Lab File: BM049870.D

Acq: 09 Apr 2025 16:24

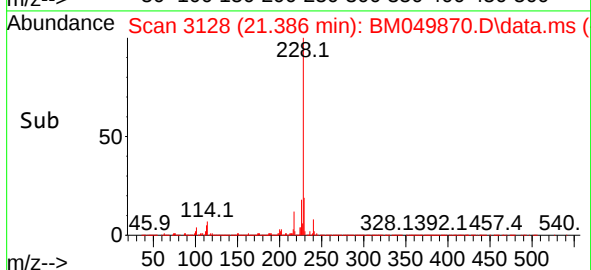
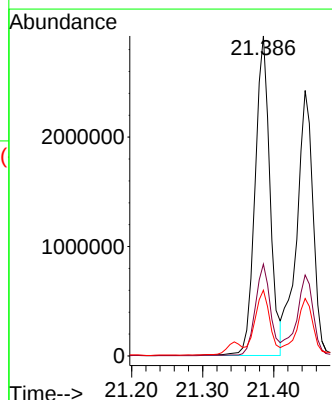
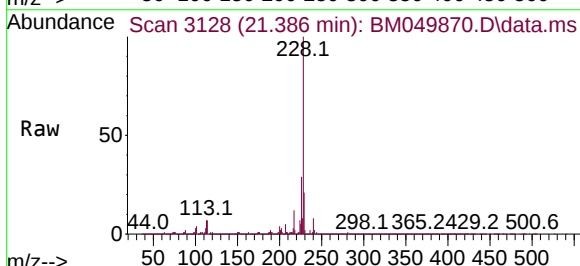
Tgt Ion:228 Resp: 4257112

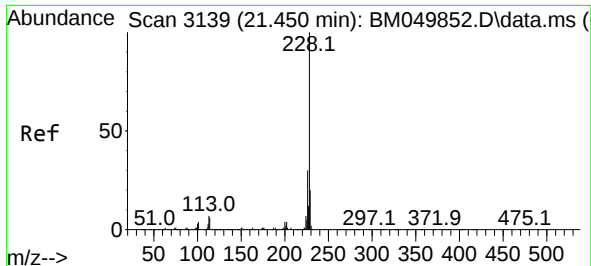
Ion Ratio Lower Upper

228 100

226 28.7 21.8 32.8

229 20.6 15.8 23.8

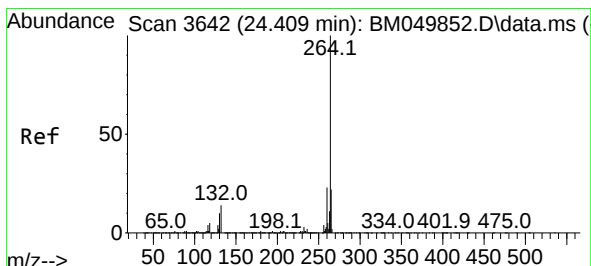
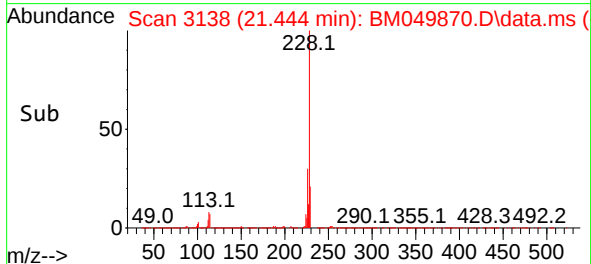
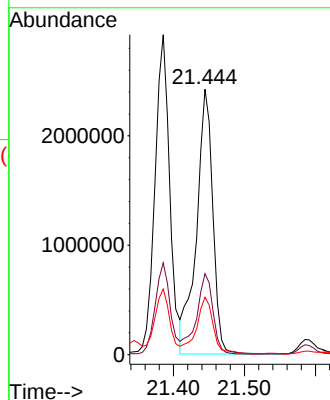
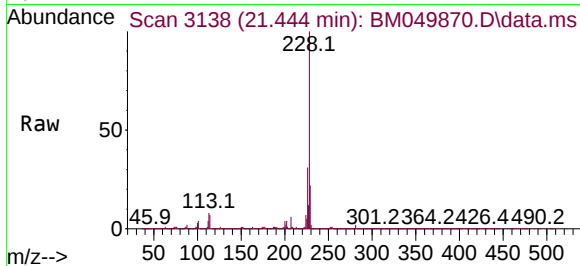




#83
Chrysene
Concen: 41.507 ng
RT: 21.444 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM049870.D
Acq: 09 Apr 2025 16:24

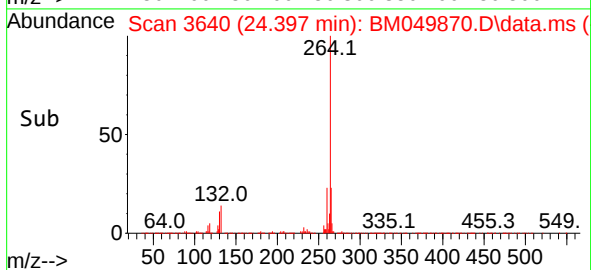
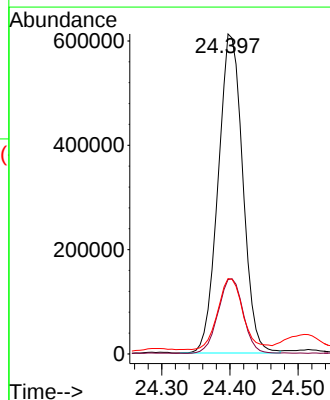
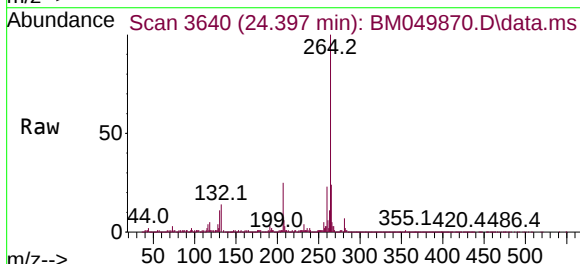
Instrument :
BNA_M
ClientSampleId :
Z-05ADL

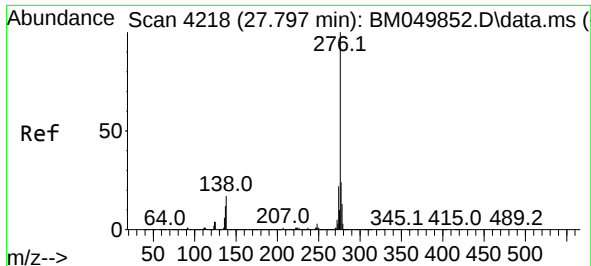
Tgt Ion:228 Resp: 3885065
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 21.7 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.012 min
Lab File: BM049870.D
Acq: 09 Apr 2025 16:24

Tgt Ion:264 Resp: 1536362
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 23.6 17.8 26.8

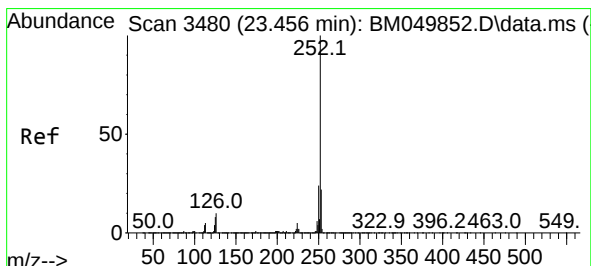
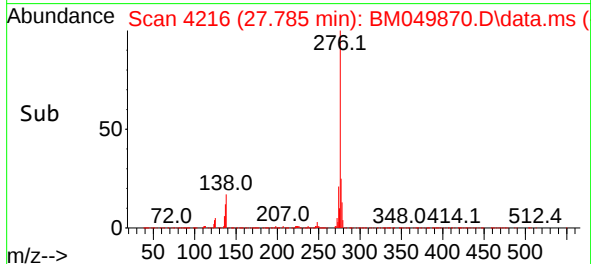
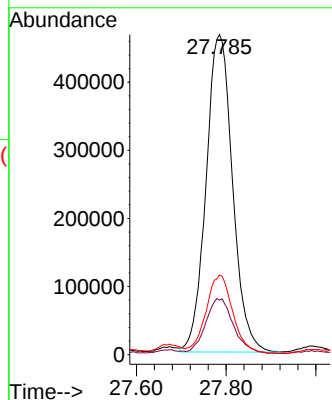
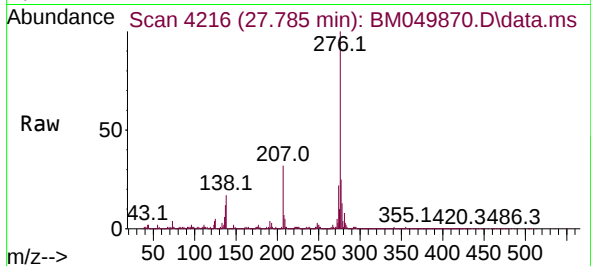




#87
Indeno(1,2,3-cd)pyrene
Concen: 16.727 ng
RT: 27.785 min Scan# 41
Delta R.T. -0.012 min
Lab File: BM049870.D
Acq: 09 Apr 2025 16:24

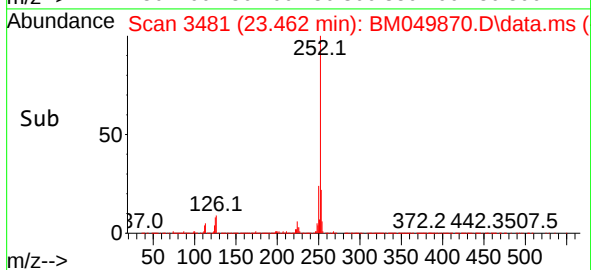
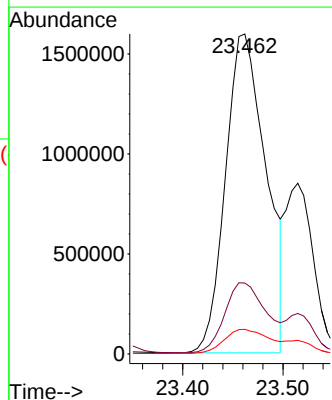
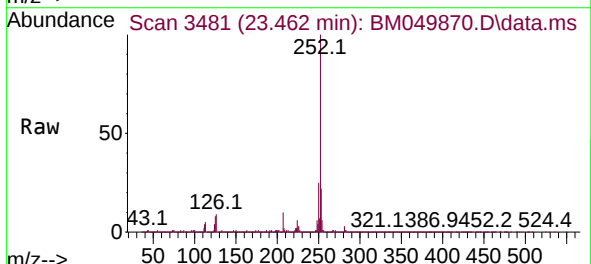
Instrument :
BNA_M
ClientSampleId :
Z-05ADL

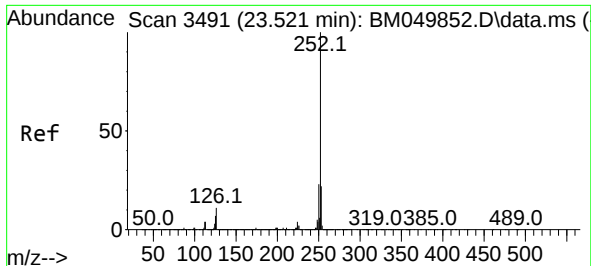
Tgt Ion:276 Resp: 1915591
Ion Ratio Lower Upper
276 100
138 18.3 16.8 25.2
277 24.9 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 45.722 ng
RT: 23.462 min Scan# 3481
Delta R.T. 0.006 min
Lab File: BM049870.D
Acq: 09 Apr 2025 16:24

Tgt Ion:252 Resp: 4486320
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 7.7 6.2 9.4

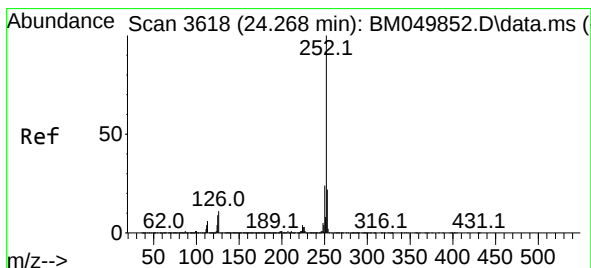
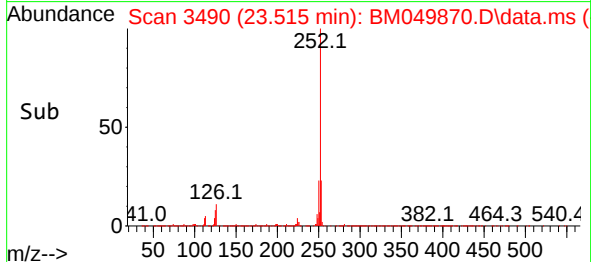
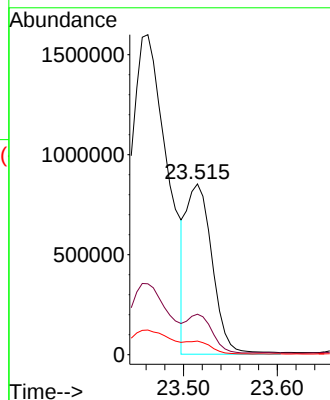
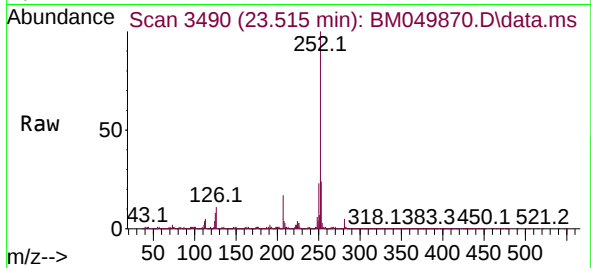




#89
Benzo(k)fluoranthene
Concen: 17.386 ng m
RT: 23.515 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049870.D
Acq: 09 Apr 2025 16:24

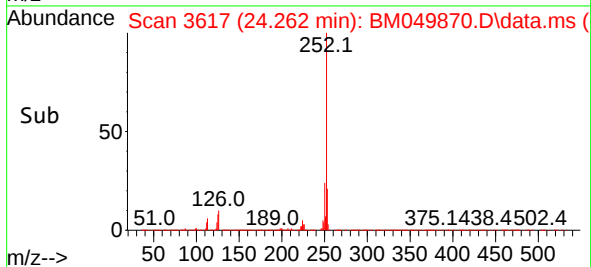
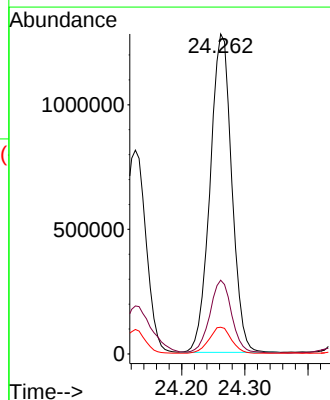
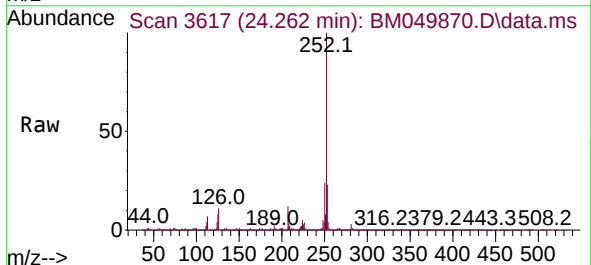
Instrument :
BNA_M
ClientSampleId :
Z-05ADL

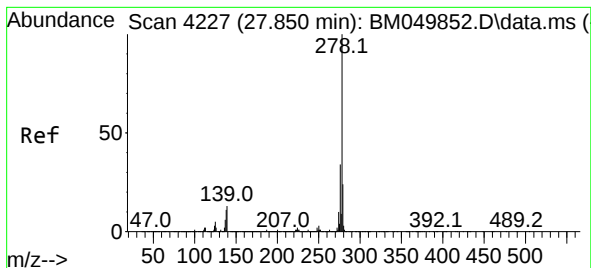
Tgt Ion:252 Resp: 1653192
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.2
125 8.0 5.8 8.8



#90
Benzo(a)pyrene
Concen: 35.303 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.006 min
Lab File: BM049870.D
Acq: 09 Apr 2025 16:24

Tgt Ion:252 Resp: 3043879
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 8.4 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 5.664 ng

RT: 27.820 min Scan# 41

Delta R.T. -0.030 min

Lab File: BM049870.D

Acq: 09 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

Z-05ADL

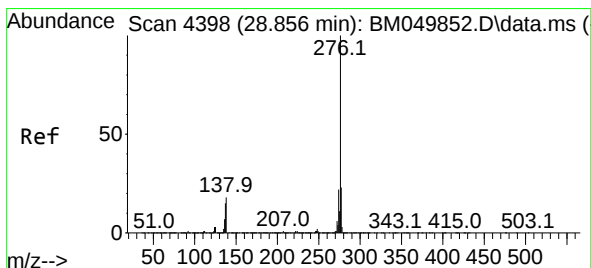
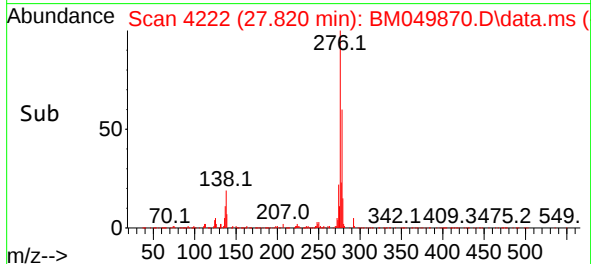
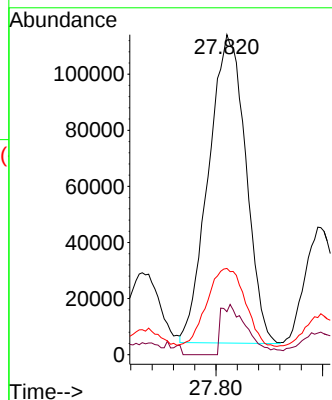
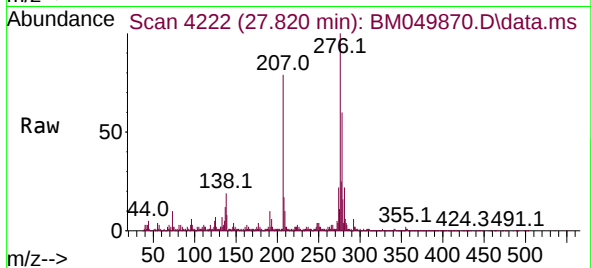
Tgt Ion:278 Resp: 534287

Ion Ratio Lower Upper

278 100

139 13.5 10.6 15.8

279 27.0 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 18.911 ng

RT: 28.838 min Scan# 4395

Delta R.T. -0.018 min

Lab File: BM049870.D

Acq: 09 Apr 2025 16:24

Tgt Ion:276 Resp: 1822891

Ion Ratio Lower Upper

276 100

277 23.1 18.7 28.1

138 18.0 14.6 21.8

