

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
 Data File : BM049955.D
 Acq On : 16 Apr 2025 16:44
 Operator : RC/JU
 Sample : Q1788-01DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-1DL

Quant Time: Apr 16 17:23:38 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)

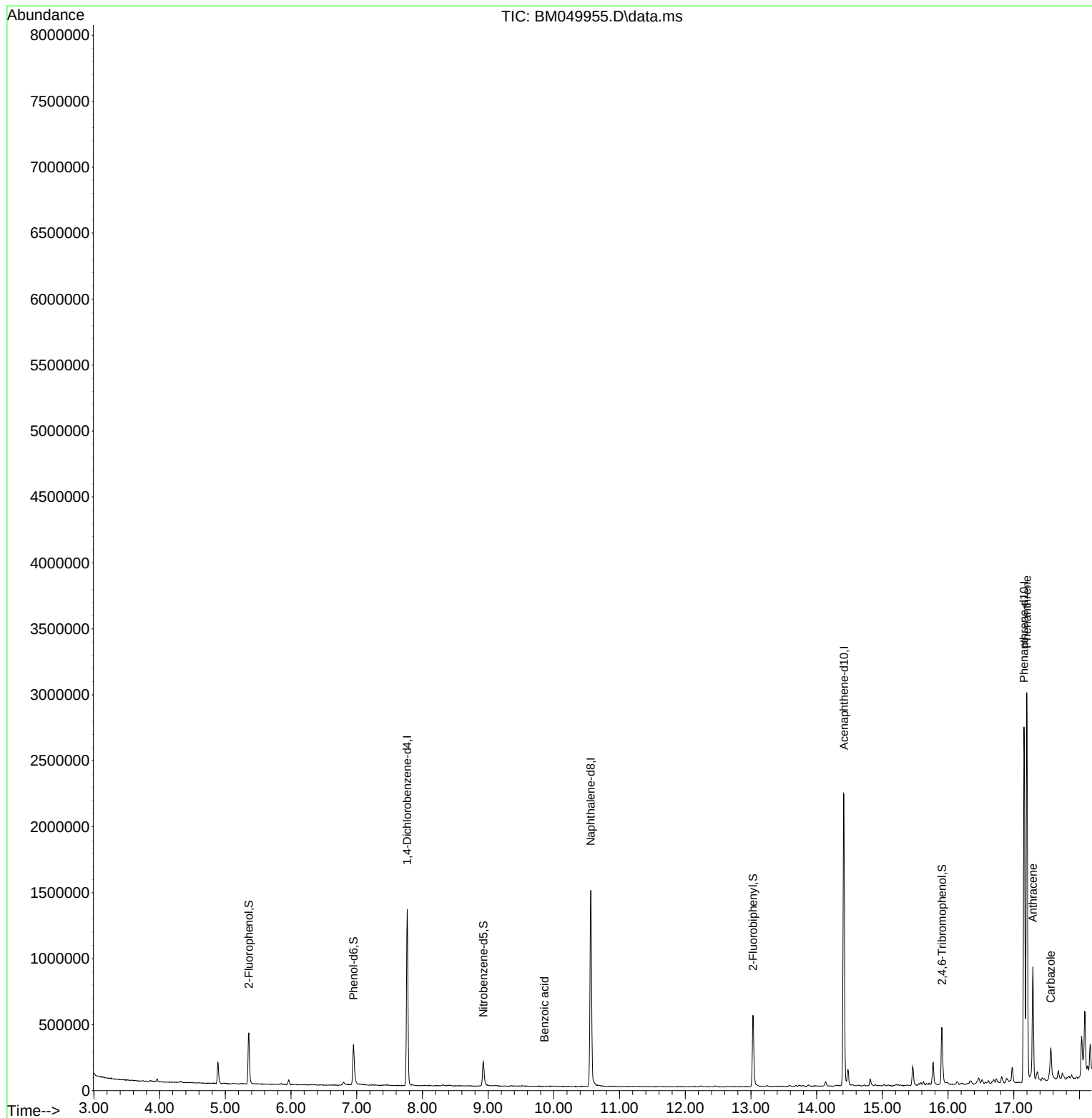
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	388773	20.000	ng	-0.01
21) Naphthalene-d8	10.562	136	1318643	20.000	ng	-0.01
39) Acenaphthene-d10	14.415	164	849483	20.000	ng	0.00
64) Phenanthrene-d10	17.156	188	1659177	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1649717	20.000	ng	0.00
86) Perylene-d12	24.403	264	1790029	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	186744	8.157	ng	0.00
7) Phenol-d6	6.951	99	213789	7.505	ng	0.00
23) Nitrobenzene-d5	8.927	82	125938	5.318	ng	0.00
42) 2,4,6-Tribromophenol	15.909	330	89861	7.273	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	335639	5.358	ng	-0.01
79) Terphenyl-d14	19.779	244	428349	4.866	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.857	122	90	8.543	ng	# 1
71) Phenanthrene	17.197	178	1842324	20.254	ng	99
72) Anthracene	17.291	178	547720	6.110	ng	99
73) Carbazole	17.562	167	170505	2.019	ng	98
75) Fluoranthene	19.221	202	4115880	36.801	ng	99
78) Pyrene	19.580	202	3546784	31.195	ng	99
81) Benzo(a)anthracene	21.379	228	1869267	17.049	ng	99
83) Chrysene	21.438	228	1515664	14.541	ng	97
87) Indeno(1,2,3-cd)pyrene	27.779	276	926545	6.944	ng	97
88) Benzo(b)fluoranthene	23.456	252	1949958	17.057	ng	97
89) Benzo(k)fluoranthene	23.456	252	1949958	17.601	ng	# 97
90) Benzo(a)pyrene	24.256	252	1455391	14.487	ng	99
92) Benzo(g,h,i)perylene	28.832	276	860593	7.663	ng	99

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

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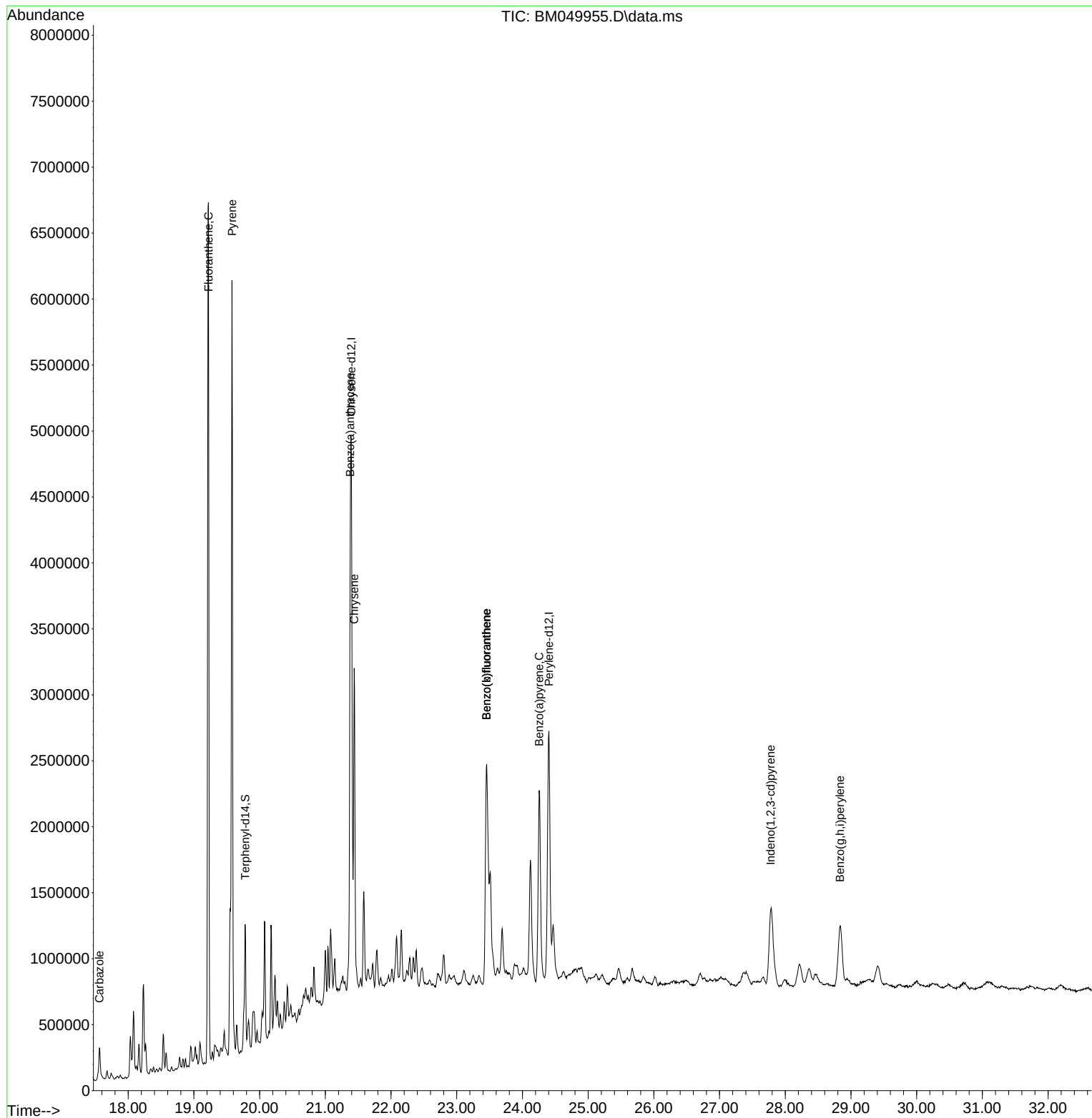
Quant Time: Apr 16 17:23:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
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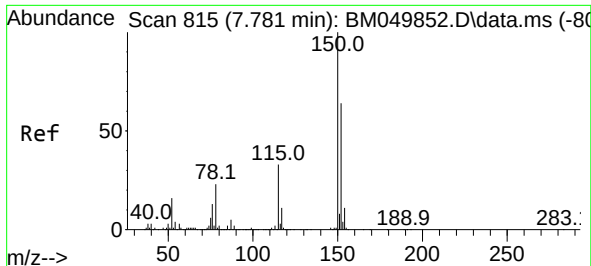


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
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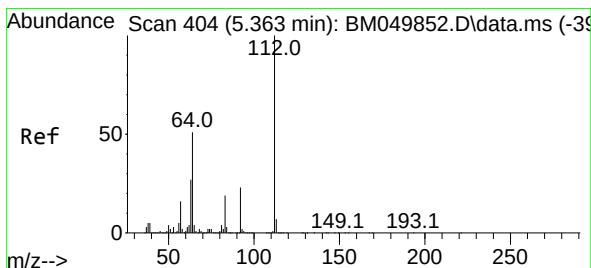
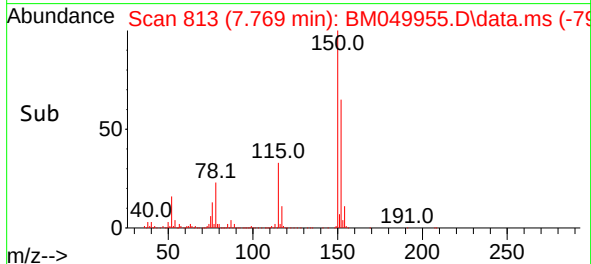
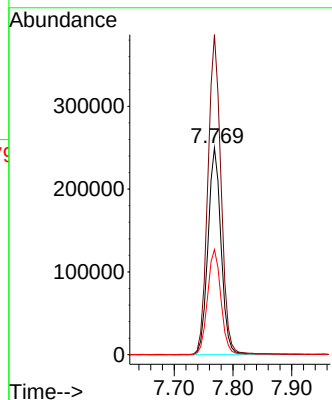
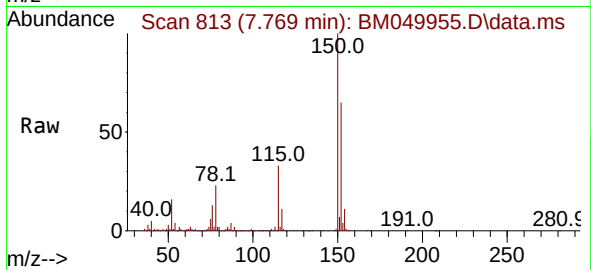




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049955.D
Acq: 16 Apr 2025 16:44

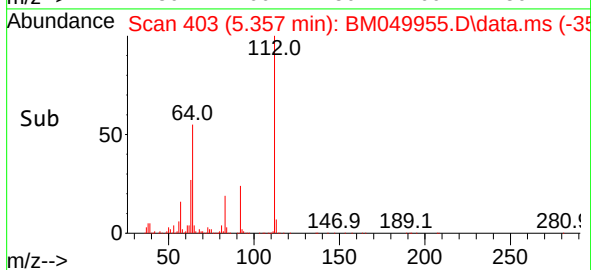
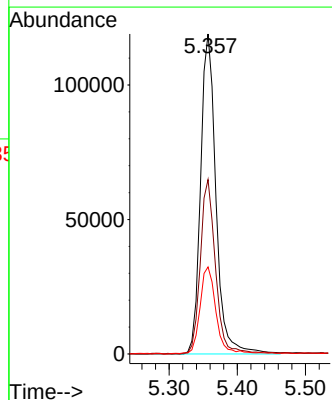
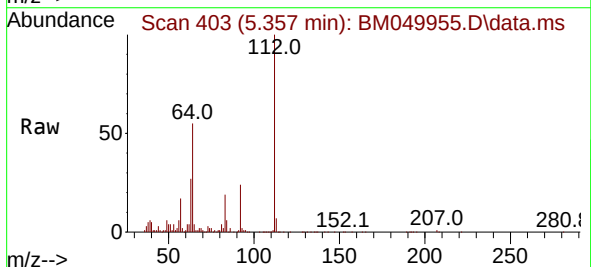
Instrument :
BNA_M
ClientSampleId :
WC-1DL

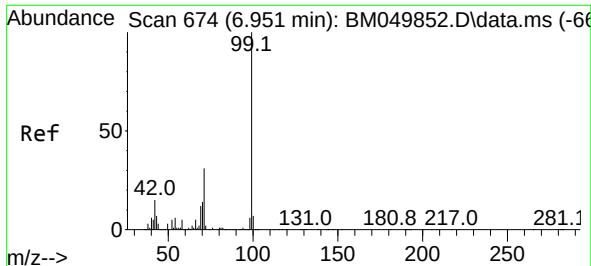
Tgt Ion:152 Resp: 388773
Ion Ratio Lower Upper
152 100
150 154.7 124.3 186.5
115 50.8 41.1 61.7



#5
2-Fluorophenol
Concen: 8.157 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049955.D
Acq: 16 Apr 2025 16:44

Tgt Ion:112 Resp: 186744
Ion Ratio Lower Upper
112 100
64 54.5 41.0 61.6
63 27.2 21.5 32.3

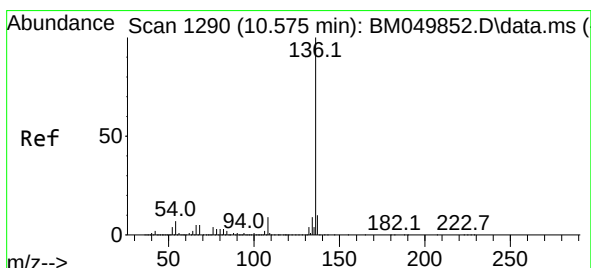
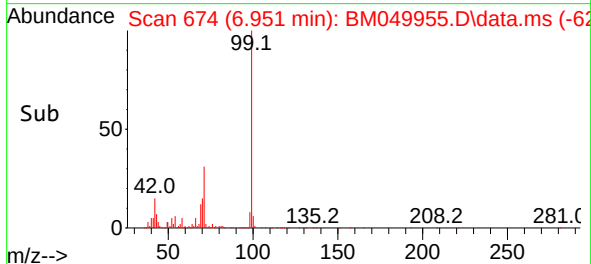
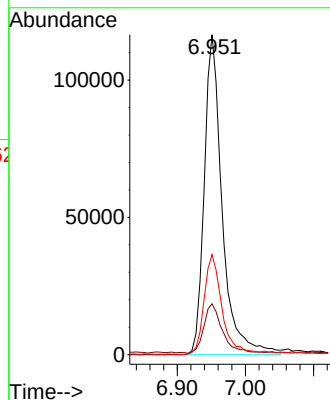
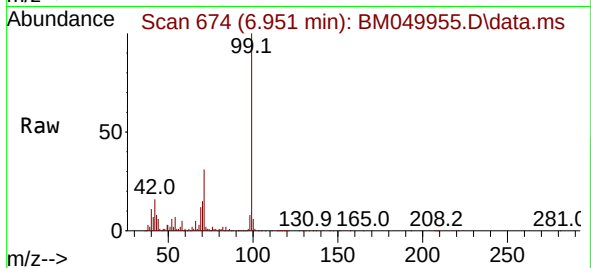




#7
Phenol-d6
Concen: 7.505 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049955.D
Acq: 16 Apr 2025 16:44

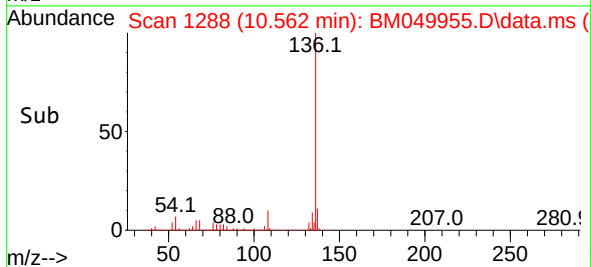
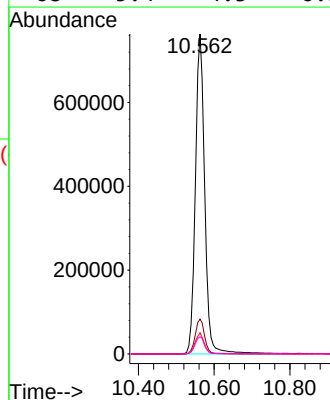
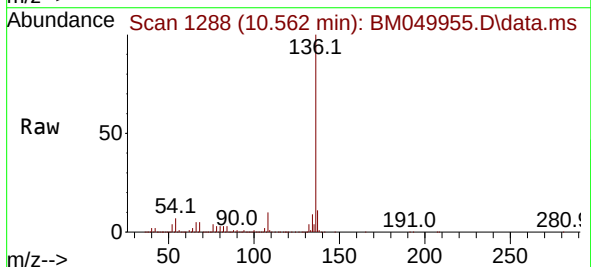
Instrument :
BNA_M
ClientSampleId :
WC-1DL

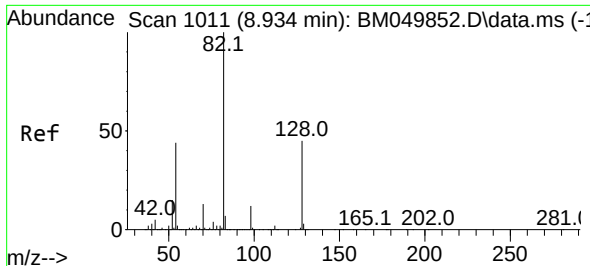
Tgt Ion: 99 Resp: 213789
Ion Ratio Lower Upper
99 100
42 15.9 12.1 18.1
71 31.3 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.562 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BM049955.D
Acq: 16 Apr 2025 16:44

Tgt Ion:136 Resp: 1318643
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 6.6 5.3 7.9
68 5.4 4.3 6.5

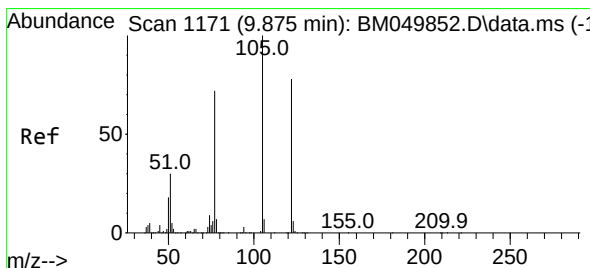
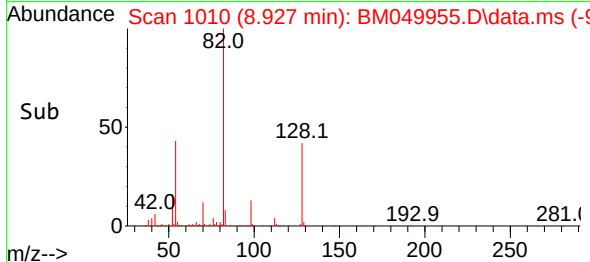
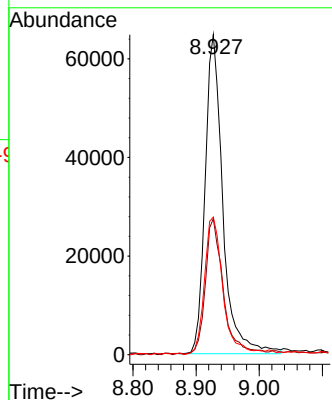
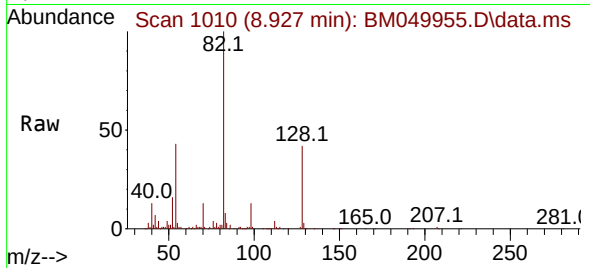




#23
Nitrobenzene-d5
Concen: 5.318 ng
RT: 8.927 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BM049955.D
Acq: 16 Apr 2025 16:44

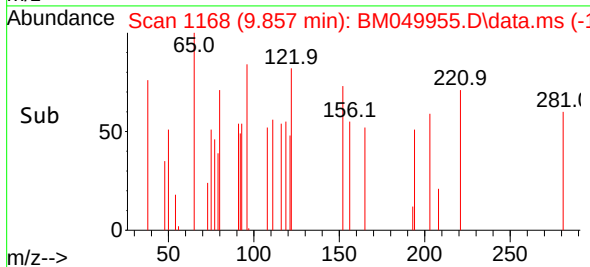
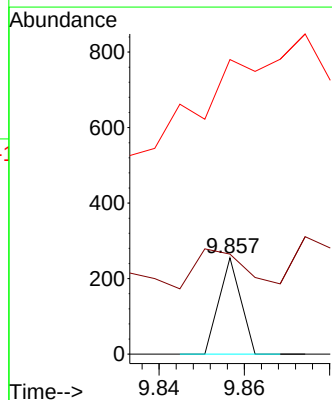
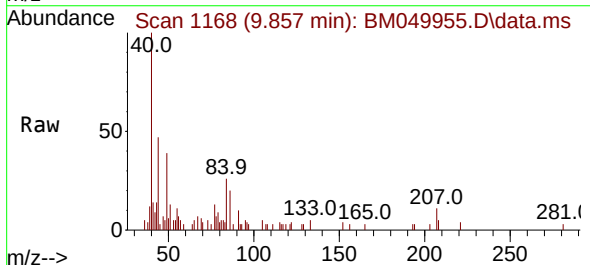
Instrument :
BNA_M
ClientSampleId :
WC-1DL

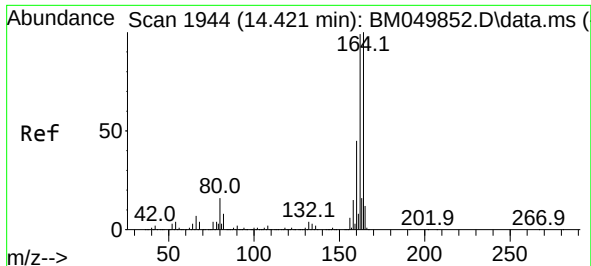
Tgt Ion: 82 Resp: 125938
Ion Ratio Lower Upper
82 100
128 42.5 36.2 54.2
54 43.0 35.0 52.6



#32
Benzoic acid
Concen: 8.543 ng
RT: 9.857 min Scan# 1168
Delta R.T. -0.018 min
Lab File: BM049955.D
Acq: 16 Apr 2025 16:44

Tgt Ion:122 Resp: 90
Ion Ratio Lower Upper
122 100
105 103.9 103.8 143.8
77 305.9 70.7 110.7#

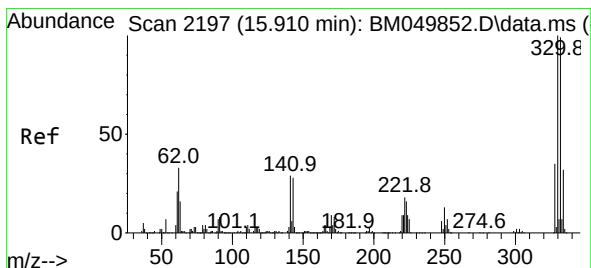
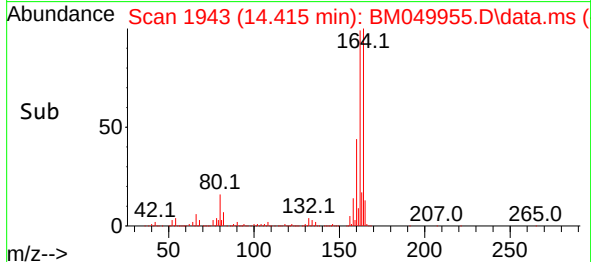
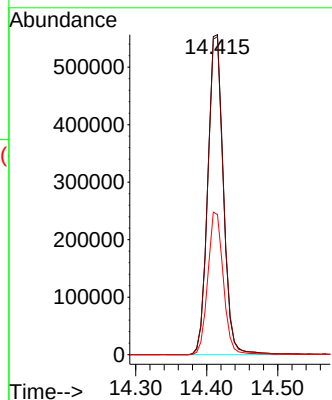
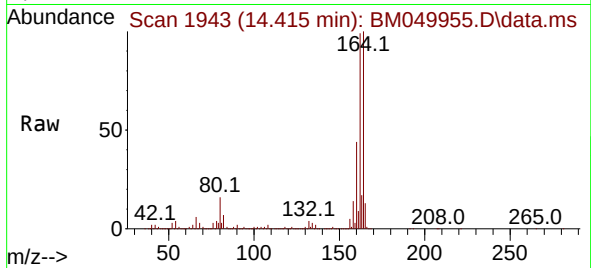




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.415 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049955.D
Acq: 16 Apr 2025 16:44

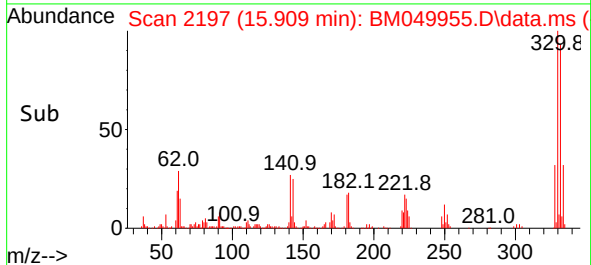
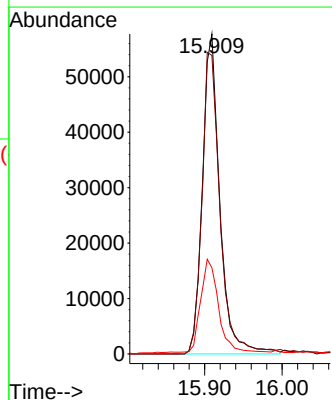
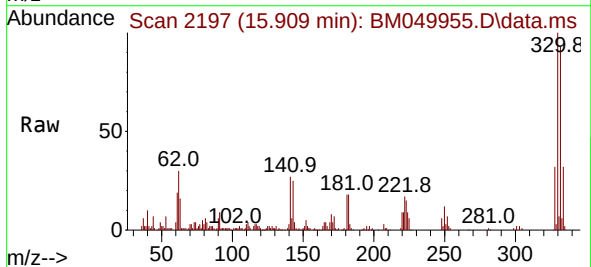
Instrument :
BNA_M
ClientSampleId :
WC-1DL

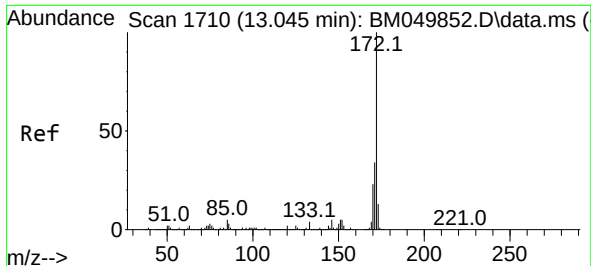
Tgt Ion:164 Resp: 849483
Ion Ratio Lower Upper
164 100
162 99.4 79.4 119.0
160 43.8 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 7.273 ng
RT: 15.909 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BM049955.D
Acq: 16 Apr 2025 16:44

Tgt Ion:330 Resp: 89861
Ion Ratio Lower Upper
330 100
332 99.1 78.0 117.0
141 30.1 23.5 35.3

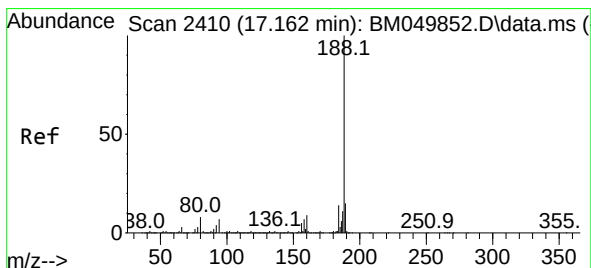
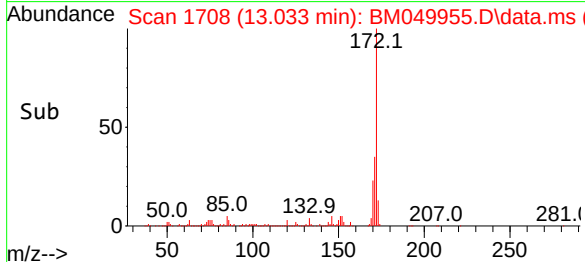
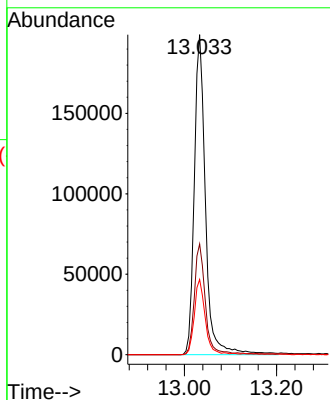
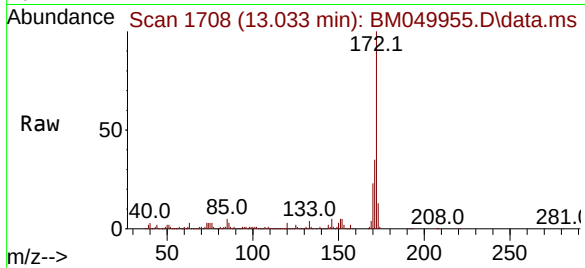




#45
2-Fluorobiphenyl
Concen: 5.358 ng
RT: 13.033 min Scan# 1710
Delta R.T. -0.012 min
Lab File: BM049955.D
Acq: 16 Apr 2025 16:44

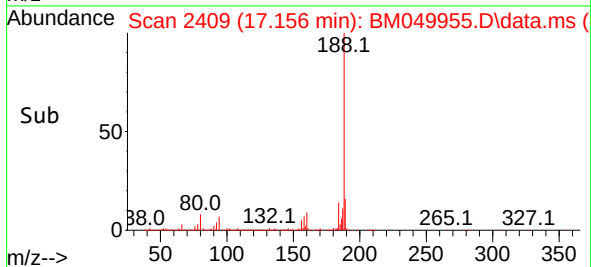
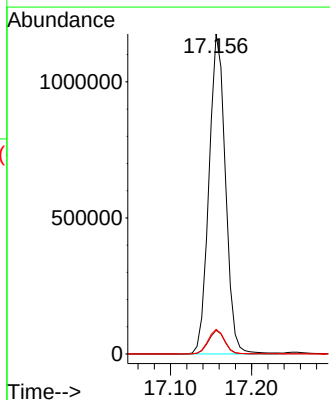
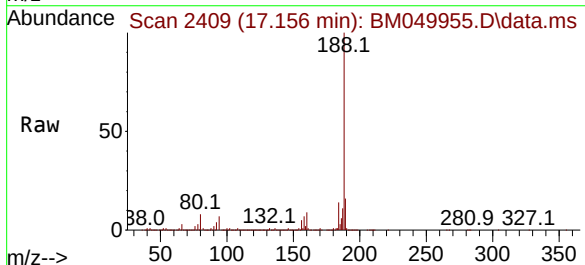
Instrument :
BNA_M
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WC-1DL

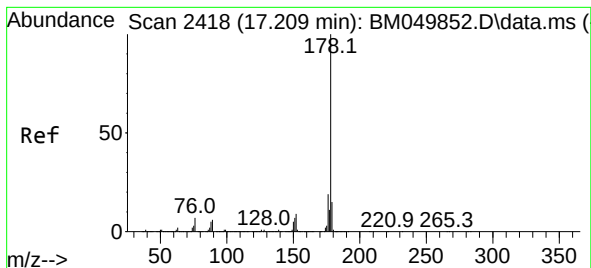
Tgt Ion:172 Resp: 335639
Ion Ratio Lower Upper
172 100
171 34.6 27.4 41.2
170 23.5 18.6 28.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM049955.D
Acq: 16 Apr 2025 16:44

Tgt Ion:188 Resp: 1659177
Ion Ratio Lower Upper
188 100
94 7.4 5.8 8.6
80 7.7 6.4 9.6





#71

Phenanthrene

Concen: 20.254 ng

RT: 17.197 min Scan# 2416

Delta R.T. -0.012 min

Lab File: BM049955.D

Acq: 16 Apr 2025 16:44

Instrument :

BNA_M

ClientSampleId :

WC-1DL

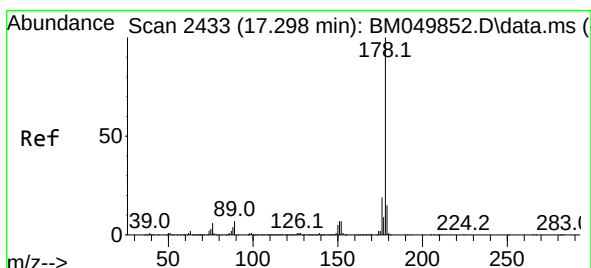
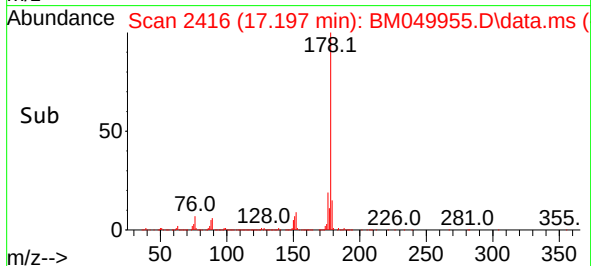
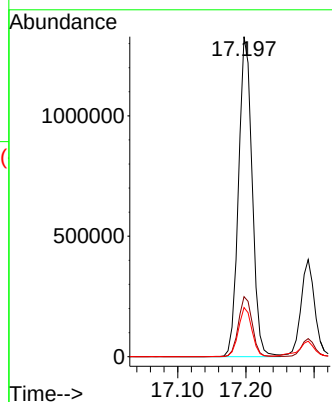
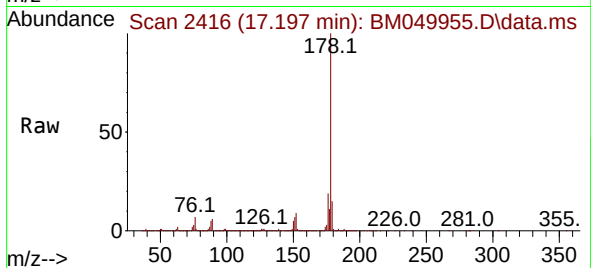
Tgt Ion:178 Resp: 1842324

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 15.3 12.3 18.5



#72

Anthracene

Concen: 6.110 ng

RT: 17.291 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BM049955.D

Acq: 16 Apr 2025 16:44

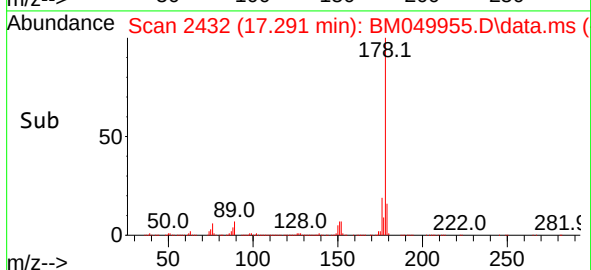
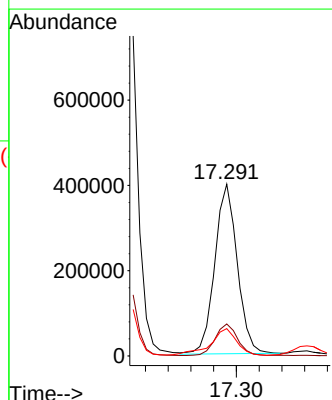
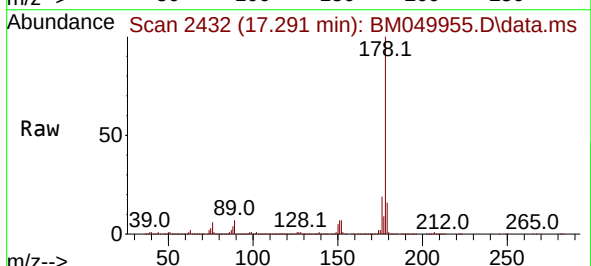
Tgt Ion:178 Resp: 547720

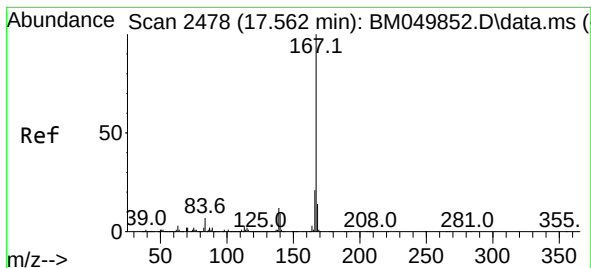
Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

179 15.9 12.4 18.6





#73

Carbazole

Concen: 2.019 ng

RT: 17.562 min Scan# 2478

Delta R.T. -0.000 min

Lab File: BM049955.D

Acq: 16 Apr 2025 16:44

Instrument :

BNA_M

ClientSampleId :

WC-1DL

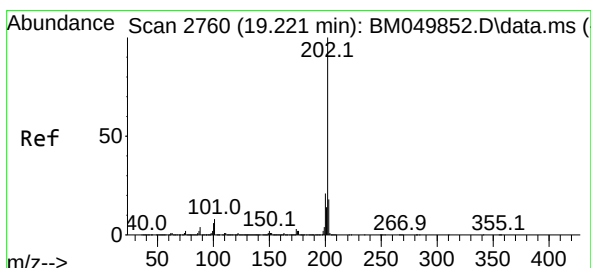
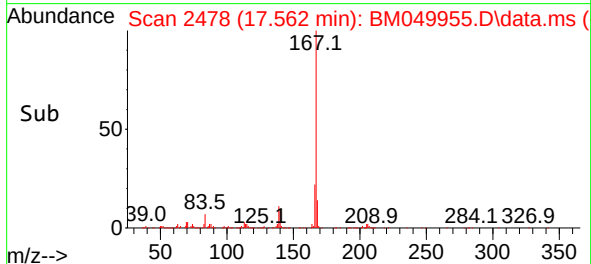
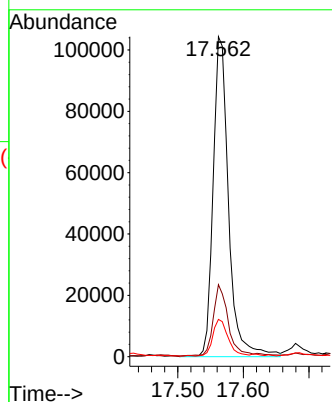
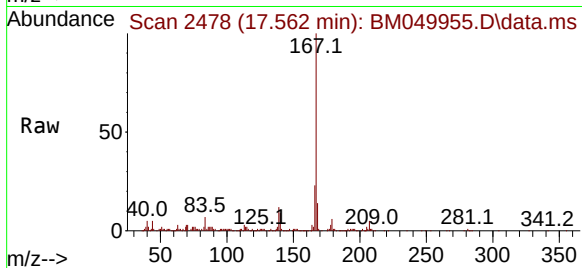
Tgt Ion:167 Resp: 170505

Ion Ratio Lower Upper

167 100

166 22.5 16.9 25.3

139 11.6 9.3 13.9



#75

Fluoranthene

Concen: 36.801 ng

RT: 19.221 min Scan# 2760

Delta R.T. -0.000 min

Lab File: BM049955.D

Acq: 16 Apr 2025 16:44

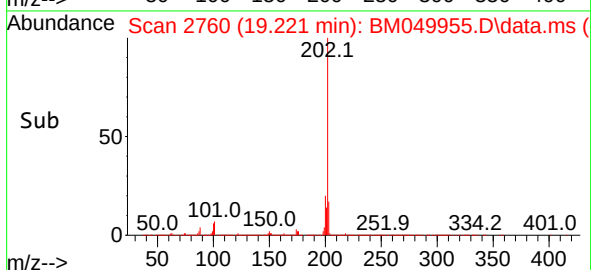
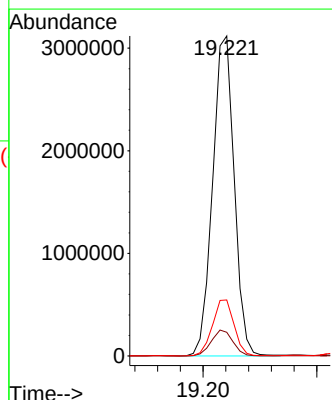
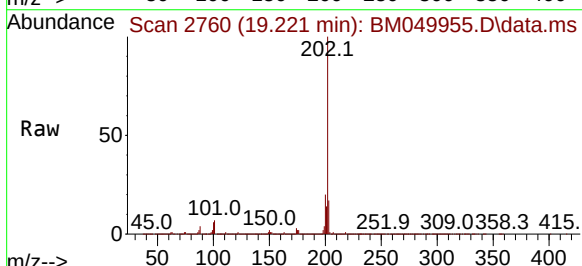
Tgt Ion:202 Resp: 4115880

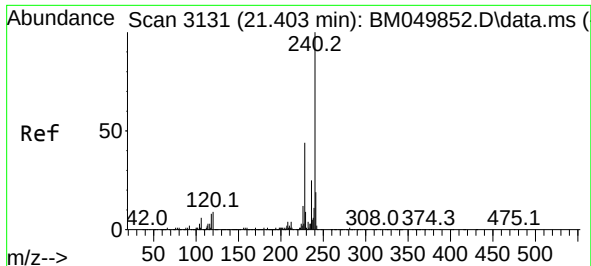
Ion Ratio Lower Upper

202 100

101 7.4 0.0 28.4

203 17.5 0.0 37.8

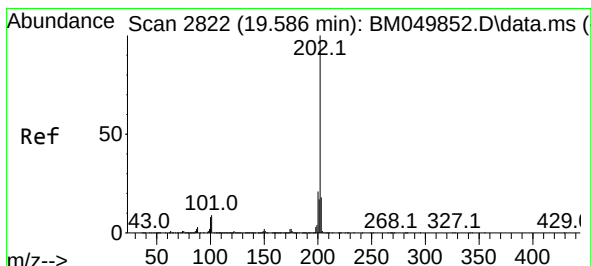
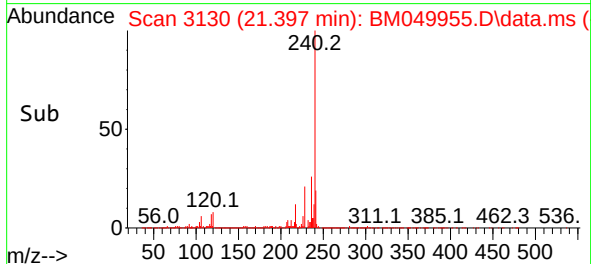
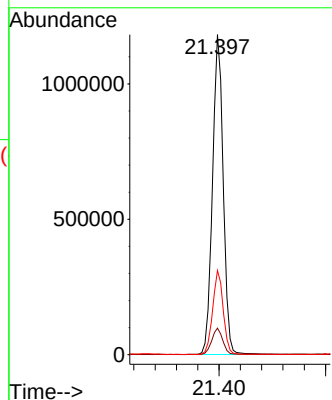
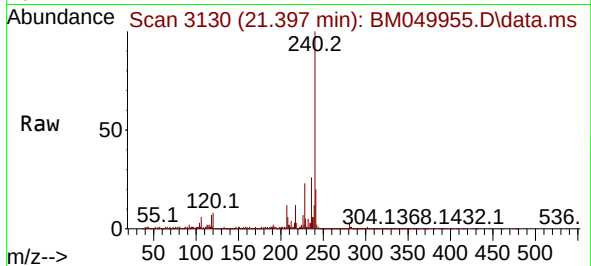




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM049955.D
Acq: 16 Apr 2025 16:44

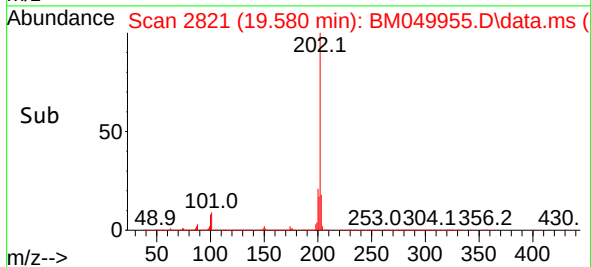
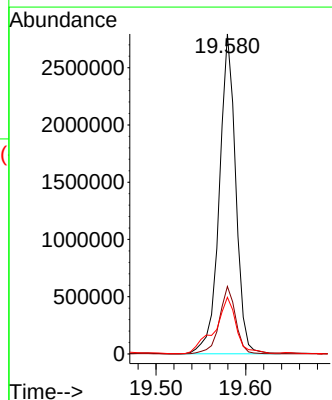
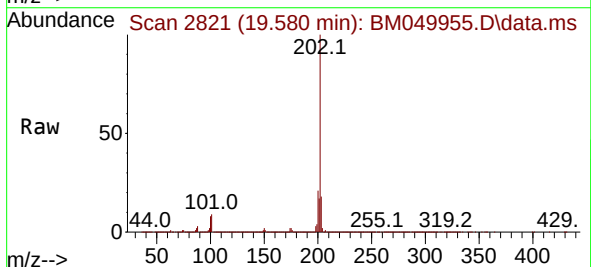
Instrument :
BNA_M
ClientSampleId :
WC-1DL

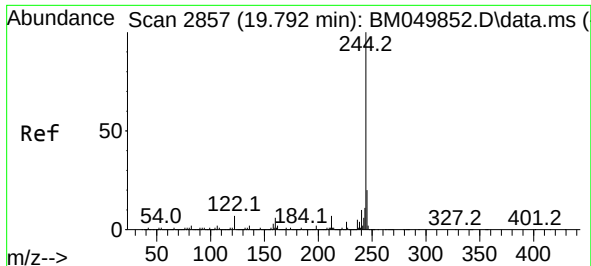
Tgt Ion:240 Resp: 1649717
Ion Ratio Lower Upper
240 100
120 8.3 6.9 10.3
236 26.3 20.4 30.6



#78
Pyrene
Concen: 31.195 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.006 min
Lab File: BM049955.D
Acq: 16 Apr 2025 16:44

Tgt Ion:202 Resp: 3546784
Ion Ratio Lower Upper
202 100
200 21.1 16.5 24.7
203 17.7 14.0 21.0

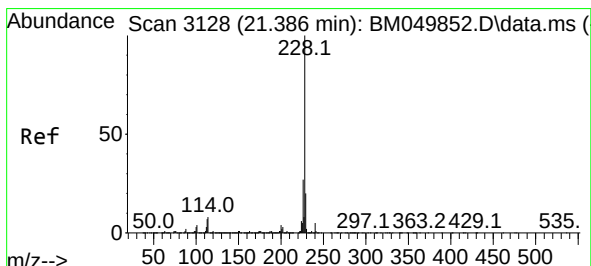
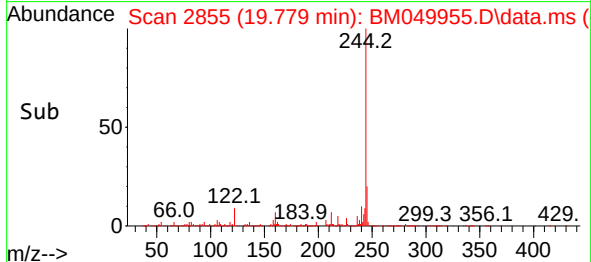
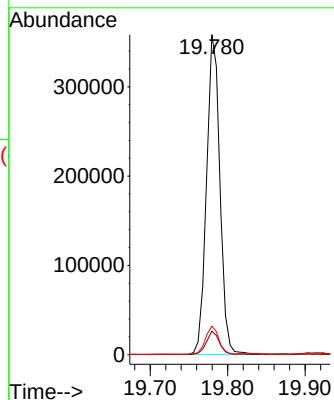
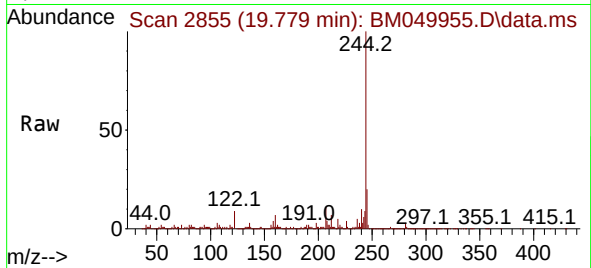




#79
 Terphenyl-d14
 Concen: 4.866 ng
 RT: 19.779 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM049955.D
 Acq: 16 Apr 2025 16:44

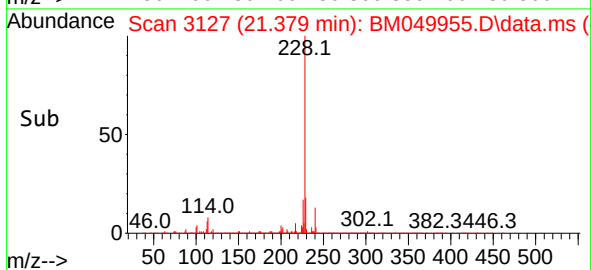
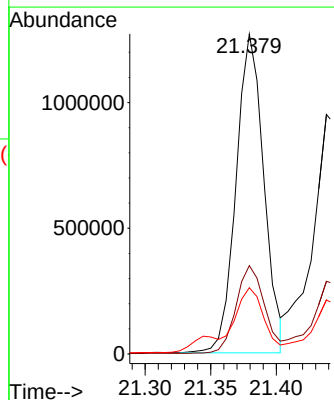
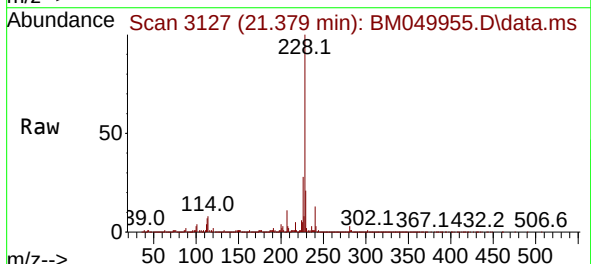
Instrument :
 BNA_M
 ClientSampleId :
 WC-1DL

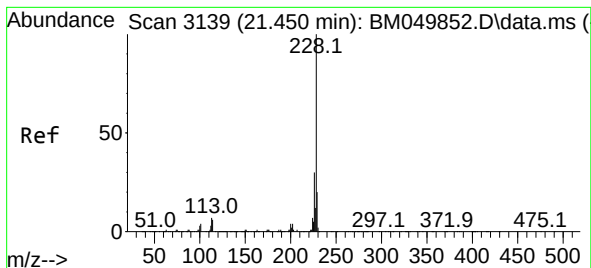
Tgt Ion:244 Resp: 428349
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.5 8.3
 122 8.9 5.4 8.0#



#81
 Benzo(a)anthracene
 Concen: 17.049 ng
 RT: 21.379 min Scan# 3127
 Delta R.T. -0.006 min
 Lab File: BM049955.D
 Acq: 16 Apr 2025 16:44

Tgt Ion:228 Resp: 1869267
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.8 32.8
 229 20.7 15.8 23.8





#83

Chrysene

Concen: 14.541 ng

RT: 21.438 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM049955.D

Acq: 16 Apr 2025 16:44

Instrument :

BNA_M

ClientSampleId :

WC-1DL

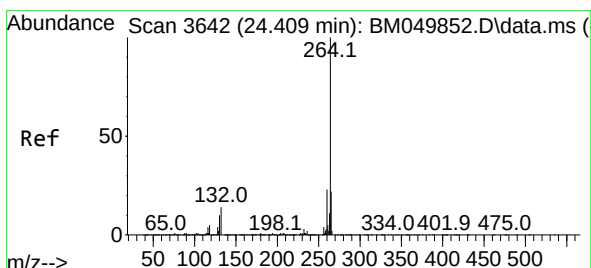
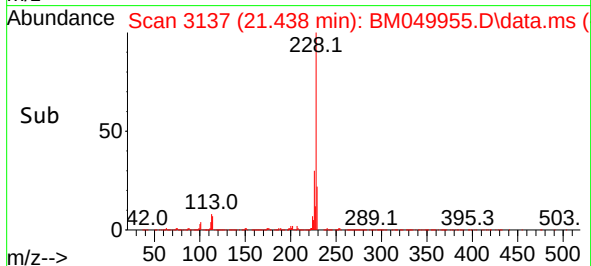
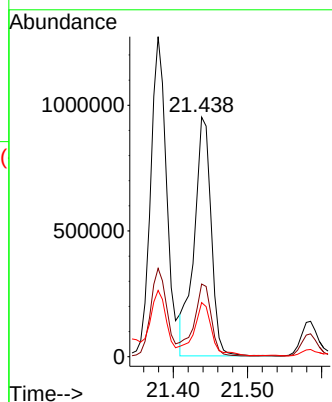
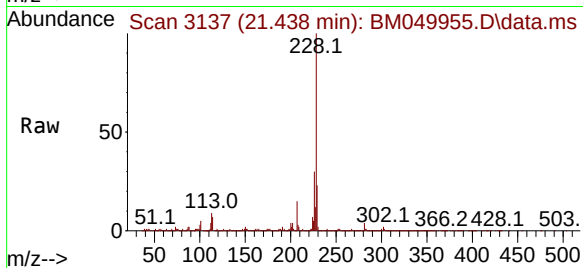
Tgt Ion:228 Resp: 1515664

Ion Ratio Lower Upper

228 100

226 30.3 24.1 36.1

229 22.6 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.403 min Scan# 3641

Delta R.T. -0.006 min

Lab File: BM049955.D

Acq: 16 Apr 2025 16:44

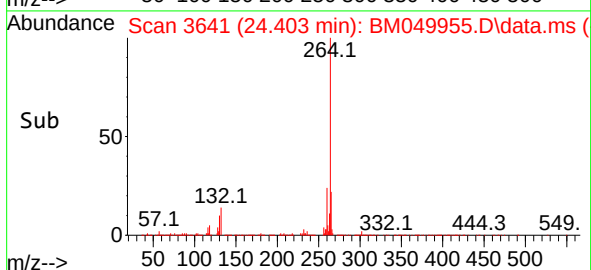
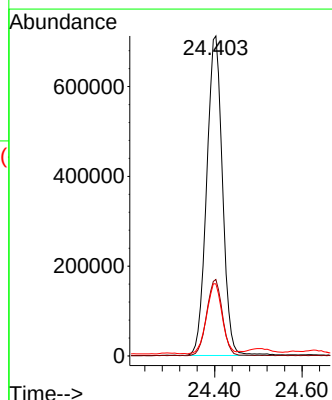
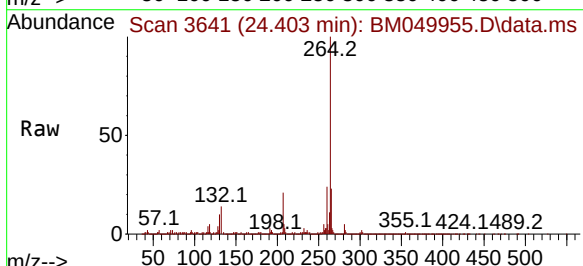
Tgt Ion:264 Resp: 1790029

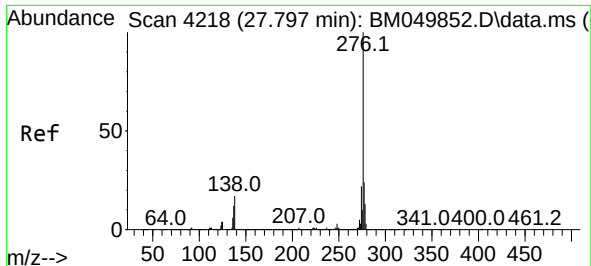
Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

265 22.5 17.8 26.8

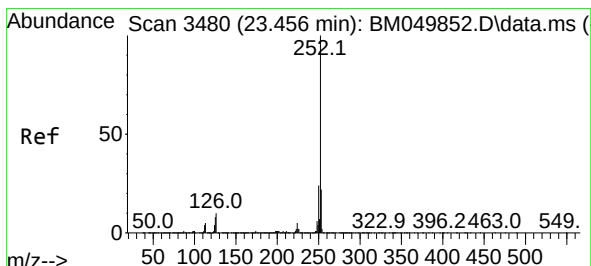
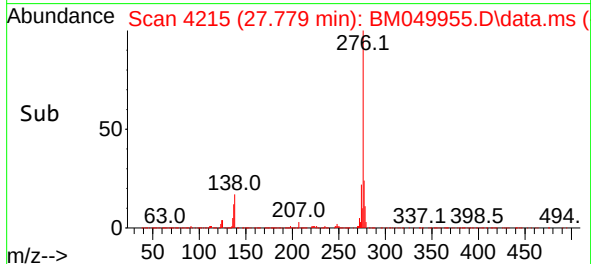
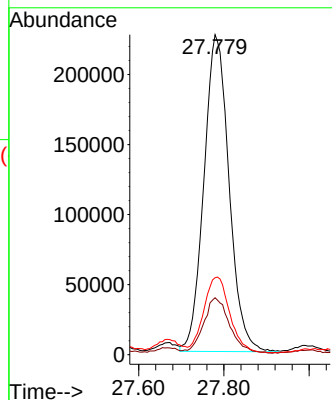
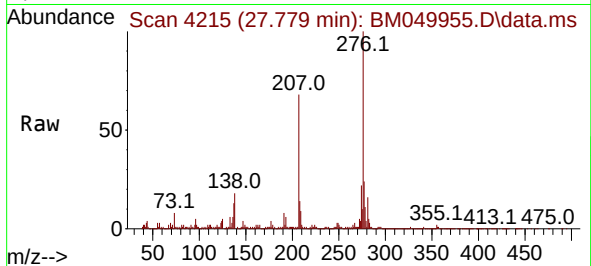




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.944 ng
RT: 27.779 min Scan# 4215
Delta R.T. -0.018 min
Lab File: BM049955.D
Acq: 16 Apr 2025 16:44

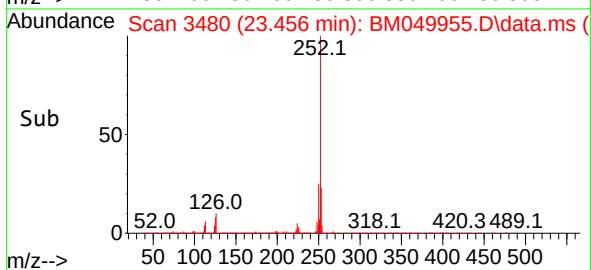
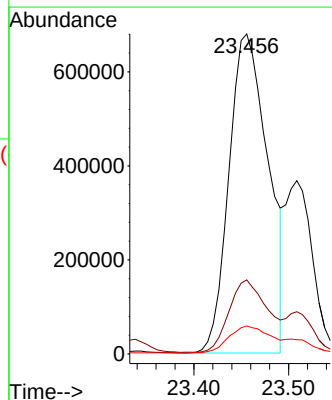
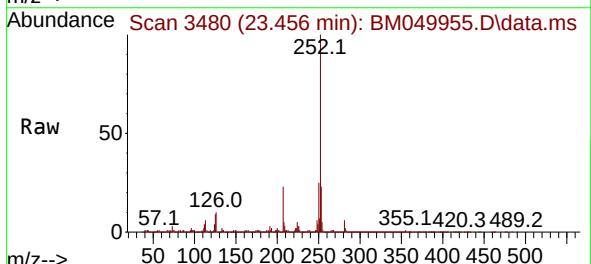
Instrument :
BNA_M
ClientSampleId :
WC-1DL

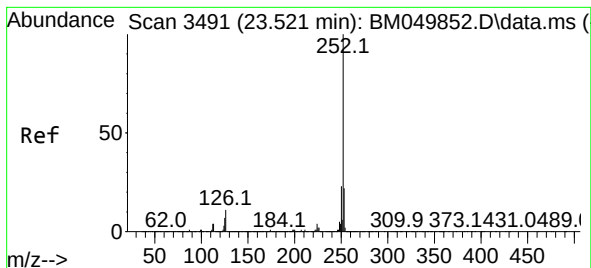
Tgt Ion:276 Resp: 926545
Ion Ratio Lower Upper
276 100
138 18.1 16.8 25.2
277 24.8 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 17.057 ng
RT: 23.456 min Scan# 3480
Delta R.T. -0.000 min
Lab File: BM049955.D
Acq: 16 Apr 2025 16:44

Tgt Ion:252 Resp: 1949958
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 8.8 6.2 9.4





#89

Benzo(k)fluoranthene

Concen: 17.601 ng

RT: 23.456 min Scan# 34

Delta R.T. -0.065 min

Lab File: BM049955.D

Acq: 16 Apr 2025 16:44

Instrument :

BNA_M

ClientSampleId :

WC-1DL

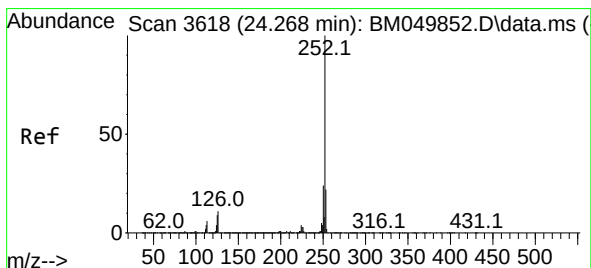
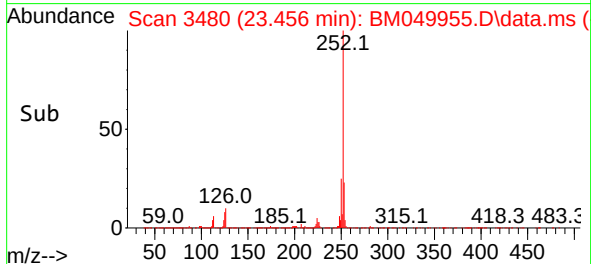
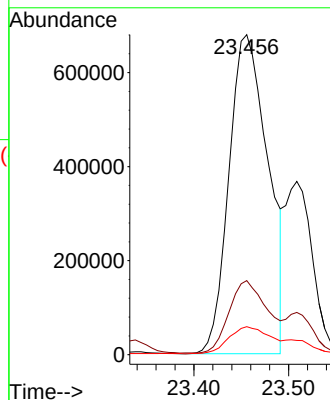
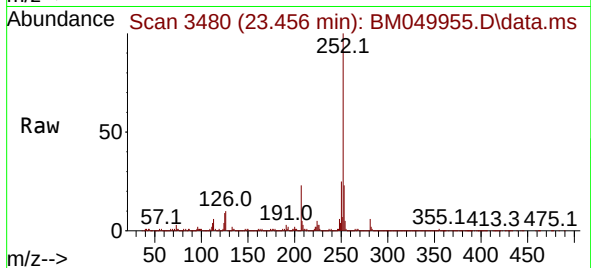
Tgt Ion:252 Resp: 1949958

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

125 8.8 5.8 8.8#



#90

Benzo(a)pyrene

Concen: 14.487 ng

RT: 24.256 min Scan# 3616

Delta R.T. -0.012 min

Lab File: BM049955.D

Acq: 16 Apr 2025 16:44

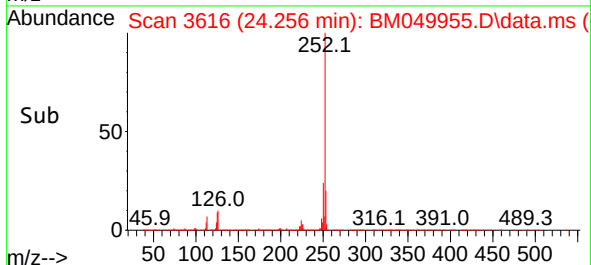
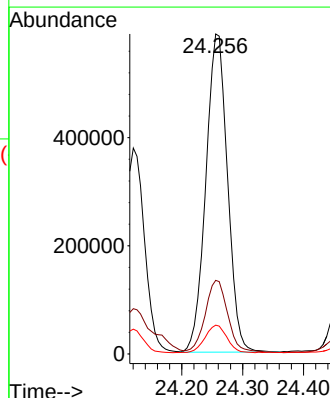
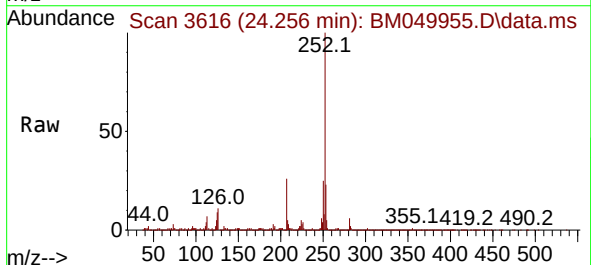
Tgt Ion:252 Resp: 1455391

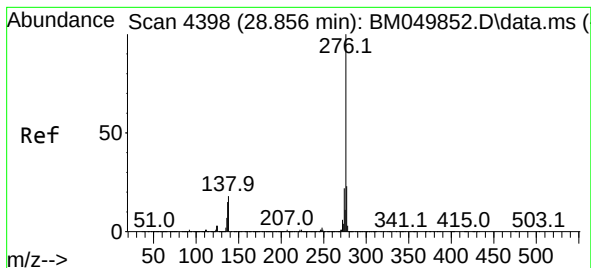
Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

125 9.0 7.0 10.4





#92

Benzo(g,h,i)perylene

Concen: 7.663 ng

RT: 28.832 min Scan# 41

Delta R.T. -0.024 min

Lab File: BM049955.D

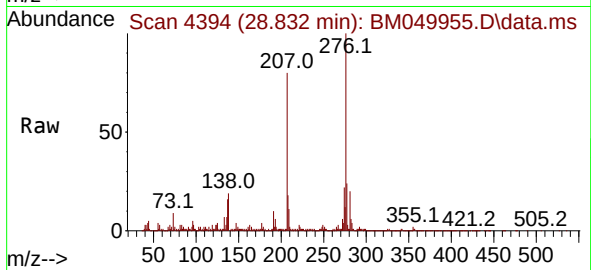
Acq: 16 Apr 2025 16:44

Instrument :

BNA_M

ClientSampleId :

WC-1DL



Tgt Ion:276 Resp: 860593

Ion Ratio Lower Upper

276 100

277 23.7 18.7 28.1

138 19.0 14.6 21.8

