

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
 Data File : BM049963.D
 Acq On : 18 Apr 2025 13:10
 Operator : RC/JU
 Sample : Q1825-01RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-9

Quant Time: Apr 18 13:53:50 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)

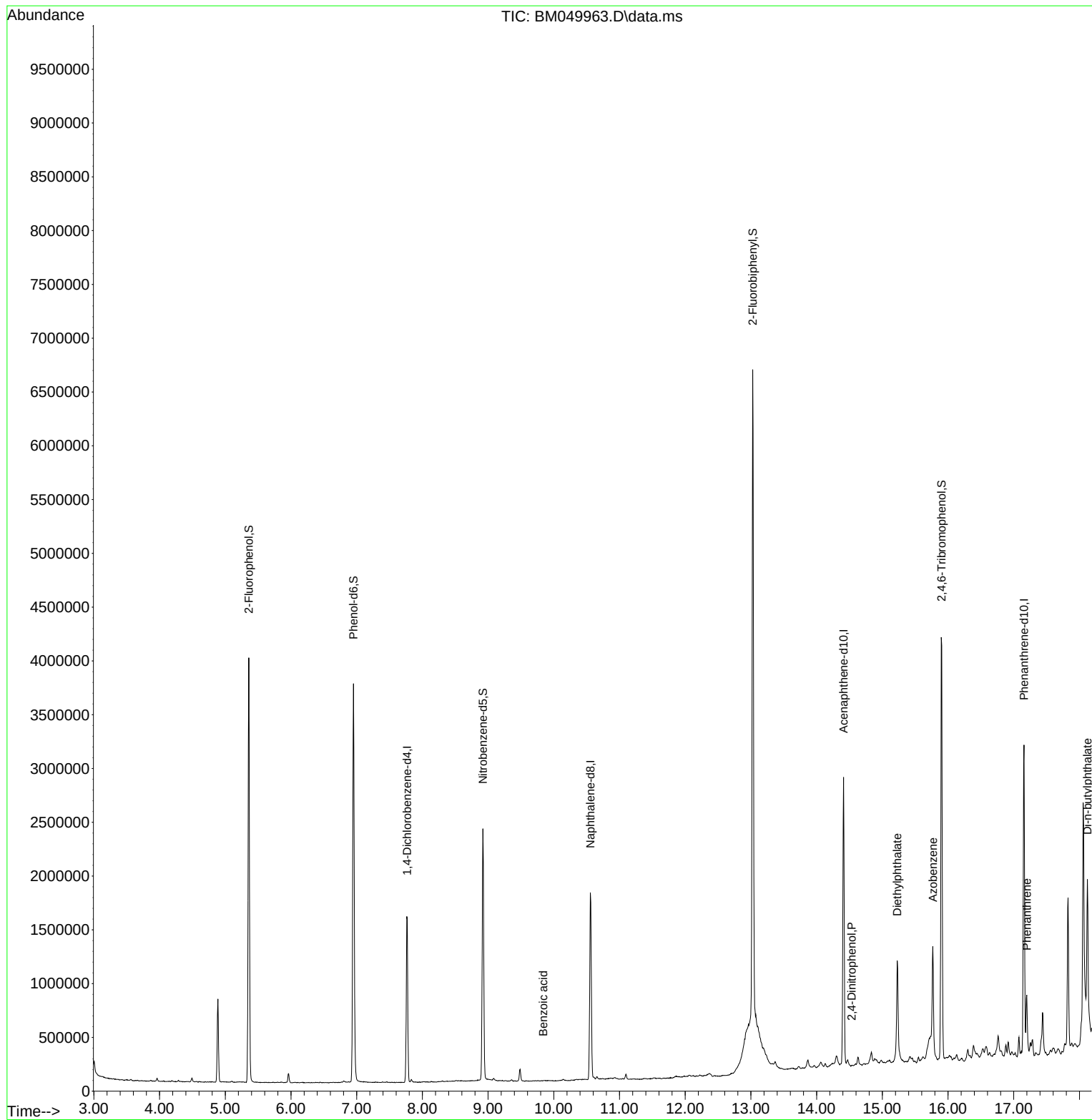
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	444904	20.000	ng	-0.01
21) Naphthalene-d8	10.557	136	1515574	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	944938	20.000	ng	-0.01
64) Phenanthrene-d10	17.156	188	1716435	20.000	ng	0.00
76) Chrysene-d12	21.391	240	1464947	20.000	ng	-0.01
86) Perylene-d12	24.391	264	1595297	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1711453	65.321	ng	0.00
7) Phenol-d6	6.951	99	2221685	68.154	ng	0.00
23) Nitrobenzene-d5	8.922	82	1321082	48.539	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	820296	59.682	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	3280588	47.077	ng	-0.02
79) Terphenyl-d14	19.780	244	3555180	45.480	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.839	122	669	8.566	ng	# 54
54) 2,4-Dinitrophenol	14.533	184	171	7.240	ng	# 1
60) Diethylphthalate	15.227	149	802698	12.556	ng	99
63) Azobenzene	15.768	77	176095	3.217	ng	# 1
71) Phenanthrene	17.198	178	344370	3.660	ng	100
74) Di-n-butylphthalate	18.121	149	1276575	12.689	ng	99
75) Fluoranthene	19.215	202	797594	6.894	ng	99
78) Pyrene	19.574	202	796888	7.893	ng	99
81) Benzo(a)anthracene	21.374	228	431078	4.428	ng	98
83) Chrysene	21.433	228	376531	4.068	ng	97
84) Bis(2-ethylhexyl)phtha...	21.297	149	291858	5.280	ng	# 96
87) Indeno(1,2,3-cd)pyrene	27.762	276	265005	2.229	ng	97
88) Benzo(b)fluoranthene	23.444	252	520037	5.104	ng	98
89) Benzo(k)fluoranthene	23.444	252	520037	5.267	ng	# 98
90) Benzo(a)pyrene	24.244	252	404004	4.512	ng	98
92) Benzo(g,h,i)perylene	28.820	276	253131	2.529	ng	99

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

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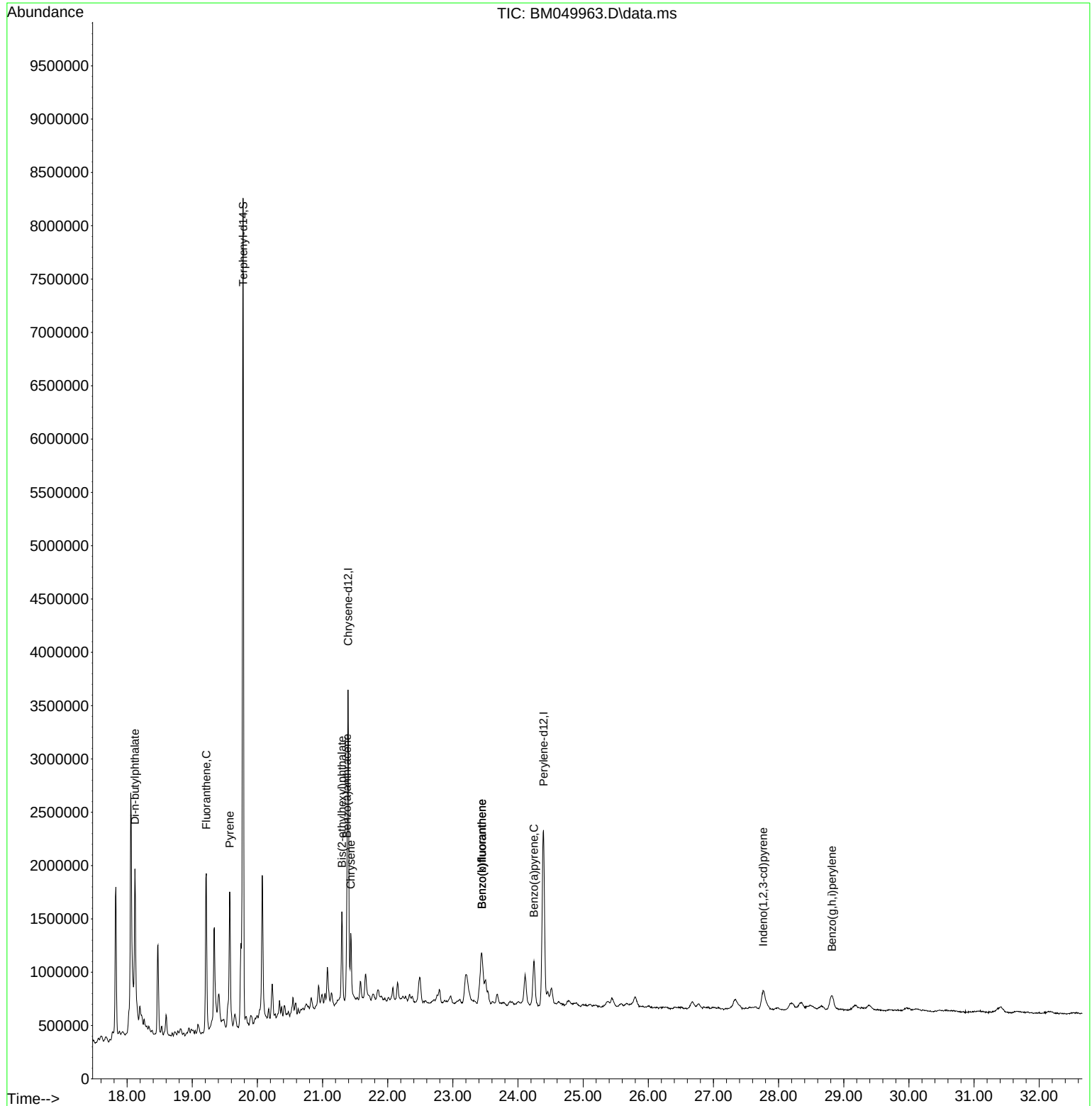
Quant Time: Apr 18 13:53:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
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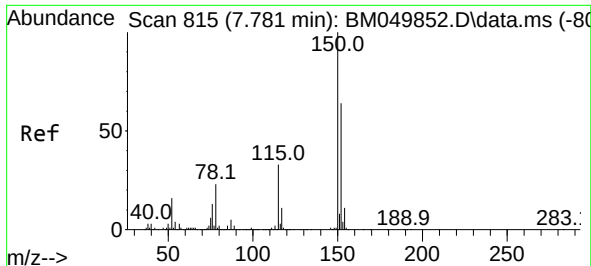


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
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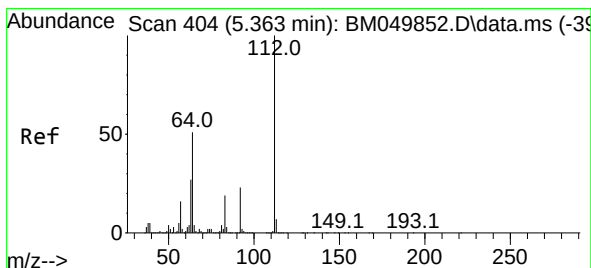
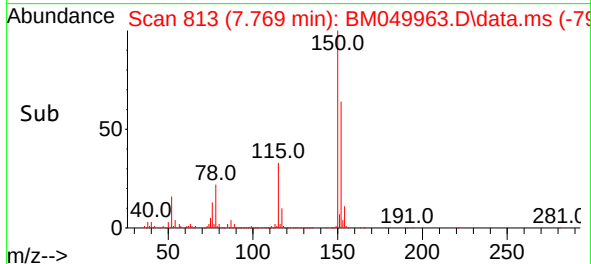
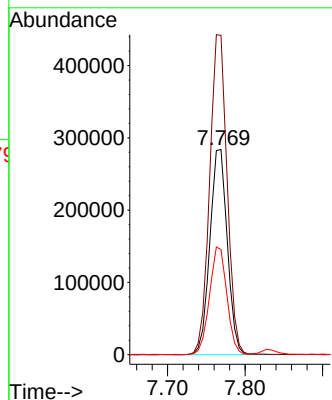
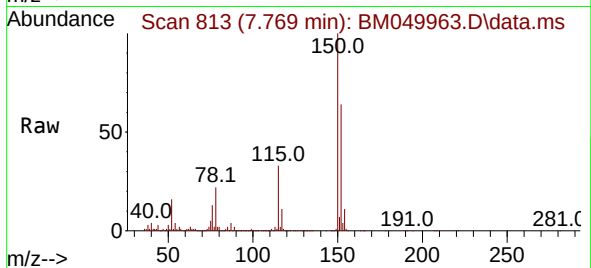




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049963.D
Acq: 18 Apr 2025 13:10

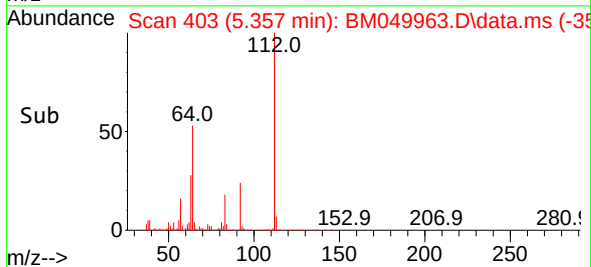
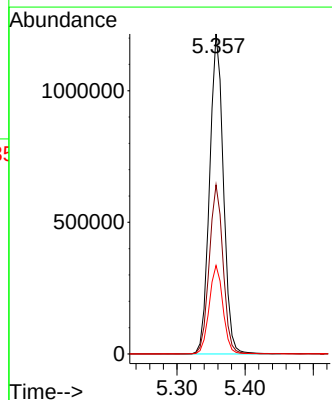
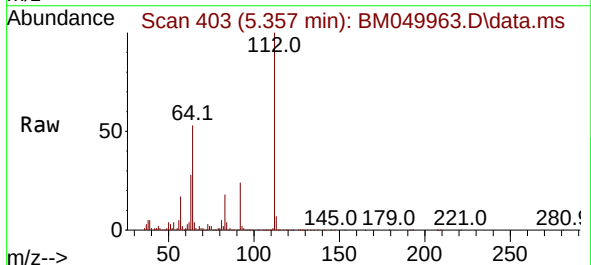
Instrument :
BNA_M
ClientSampleId :
TP-9

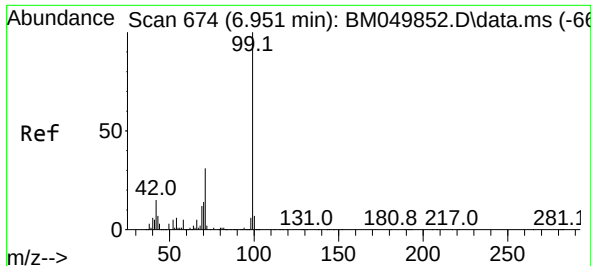
Tgt Ion:152 Resp: 444904
Ion Ratio Lower Upper
152 100
150 155.7 124.3 186.5
115 51.2 41.1 61.7



#5
2-Fluorophenol
Concen: 65.321 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049963.D
Acq: 18 Apr 2025 13:10

Tgt Ion:112 Resp: 1711453
Ion Ratio Lower Upper
112 100
64 52.9 41.0 61.6
63 27.6 21.5 32.3

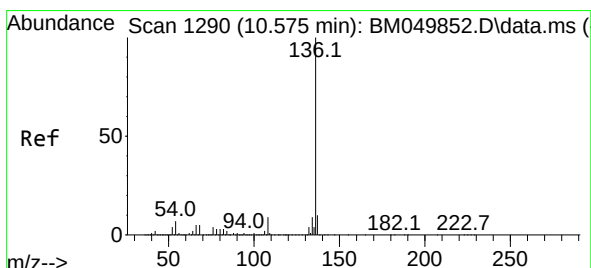
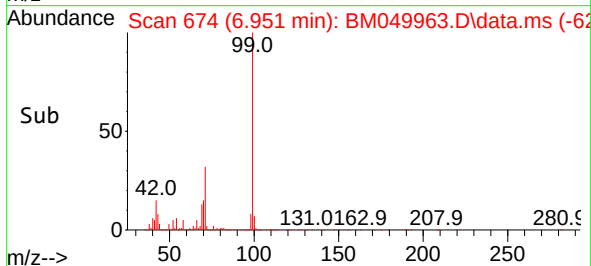
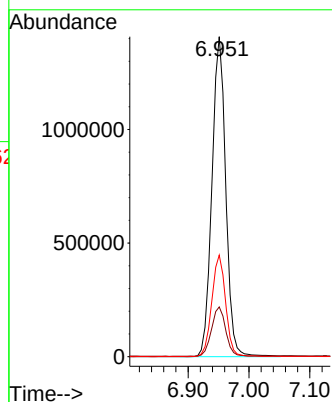
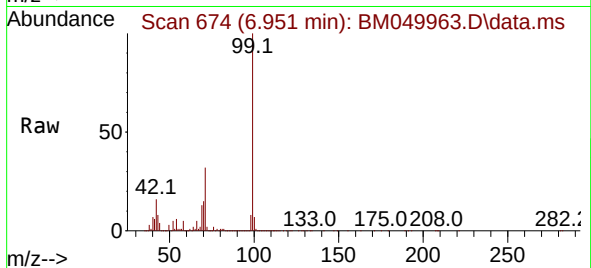




#7
Phenol-d6
Concen: 68.154 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049963.D
Acq: 18 Apr 2025 13:10

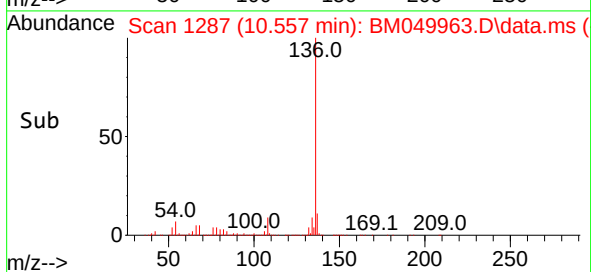
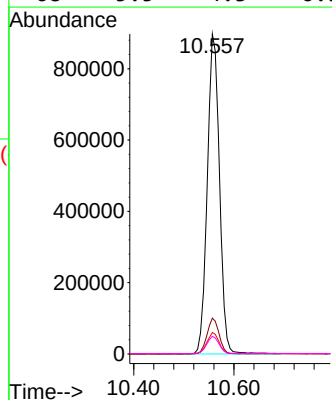
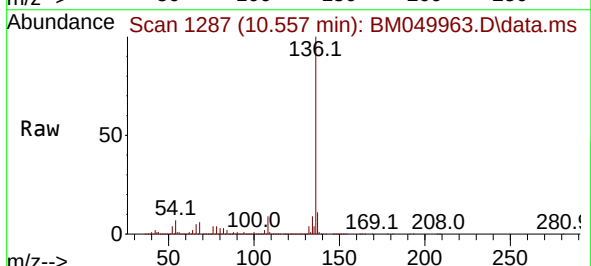
Instrument :
BNA_M
ClientSampleId :
TP-9

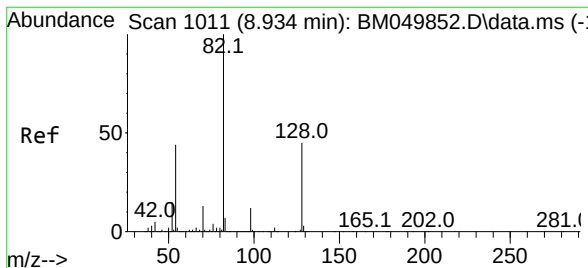
Tgt Ion: 99 Resp: 2221685
Ion Ratio Lower Upper
99 100
42 15.6 12.1 18.1
71 31.8 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM049963.D
Acq: 18 Apr 2025 13:10

Tgt Ion: 136 Resp: 1515574
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 6.7 5.3 7.9
68 5.5 4.3 6.5





#23

Nitrobenzene-d5

Concen: 48.539 ng

RT: 8.922 min Scan# 1109

Delta R.T. -0.012 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

Instrument :

BNA_M

ClientSampleId :

TP-9

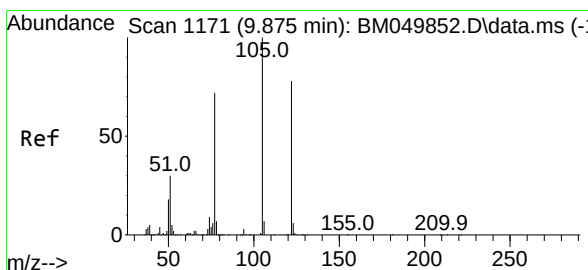
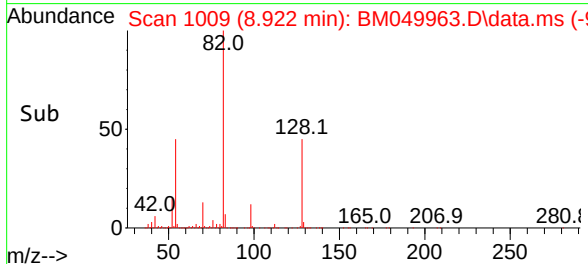
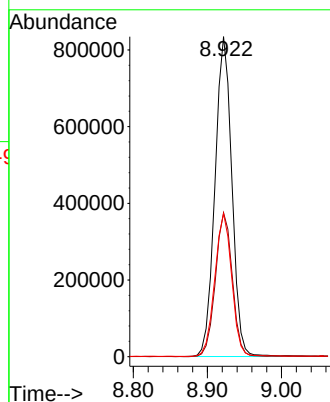
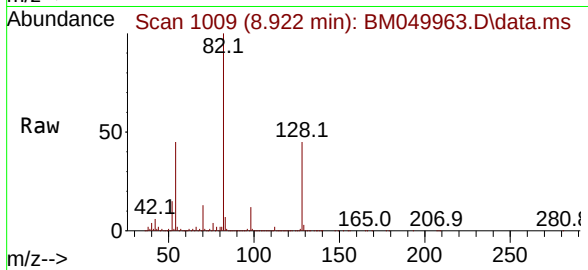
Tgt Ion: 82 Resp: 1321082

Ion Ratio Lower Upper

82 100

128 45.0 36.2 54.2

54 44.8 35.0 52.6



#32

Benzoic acid

Concen: 8.566 ng

RT: 9.839 min Scan# 1165

Delta R.T. -0.036 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

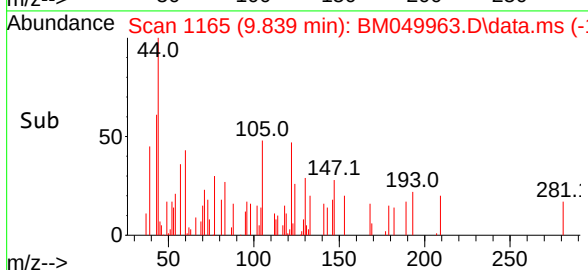
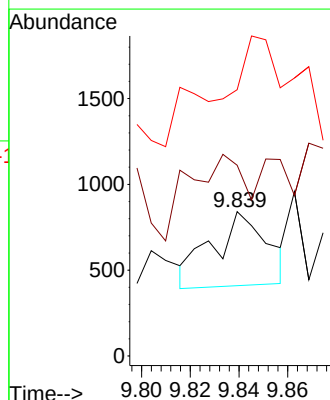
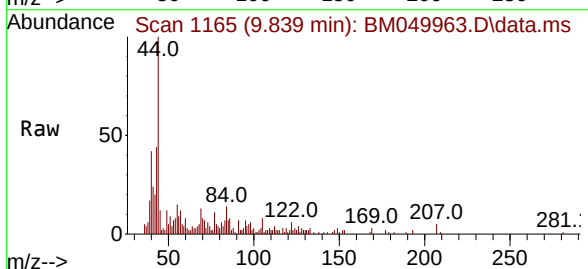
Tgt Ion:122 Resp: 669

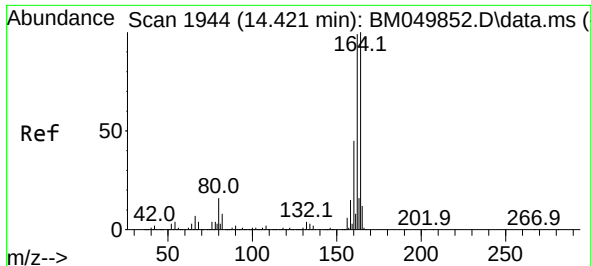
Ion Ratio Lower Upper

122 100

105 132.2 103.8 143.8

77 184.5 70.7 110.7#

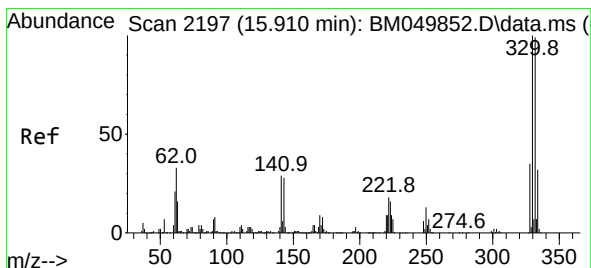
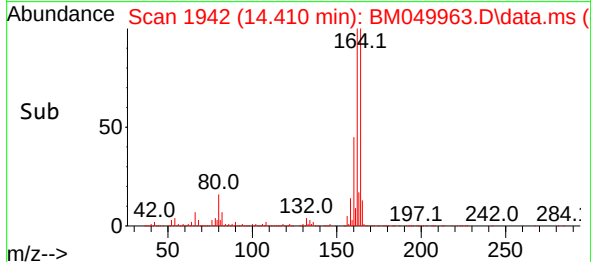
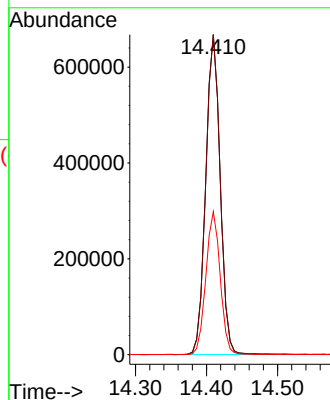
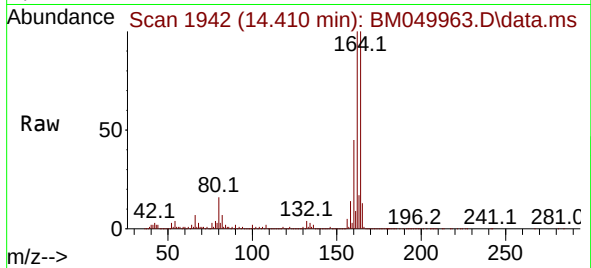




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM049963.D
Acq: 18 Apr 2025 13:10

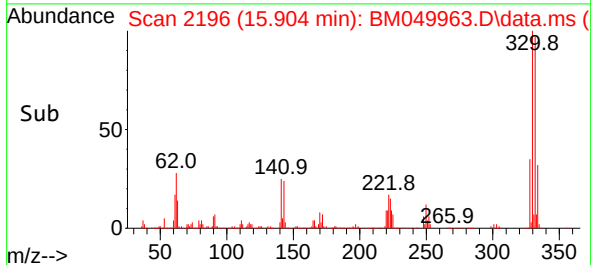
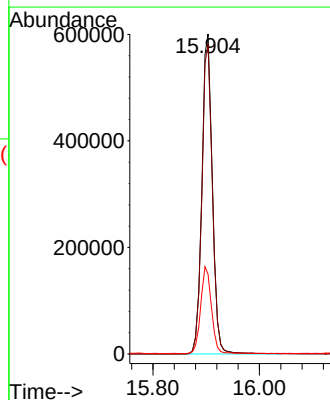
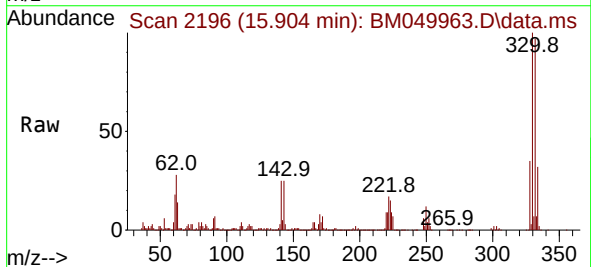
Instrument :
BNA_M
ClientSampleId :
TP-9

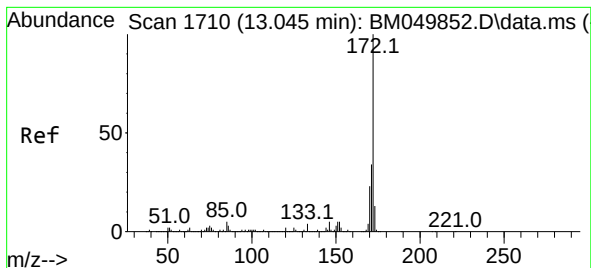
Tgt Ion:164 Resp: 944938
Ion Ratio Lower Upper
164 100
162 100.0 79.4 119.0
160 44.7 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 59.682 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM049963.D
Acq: 18 Apr 2025 13:10

Tgt Ion:330 Resp: 820296
Ion Ratio Lower Upper
330 100
332 96.9 78.0 117.0
141 27.7 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 47.077 ng

RT: 13.027 min Scan# 1

Delta R.T. -0.018 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

Instrument :

BNA_M

ClientSampleId :

TP-9

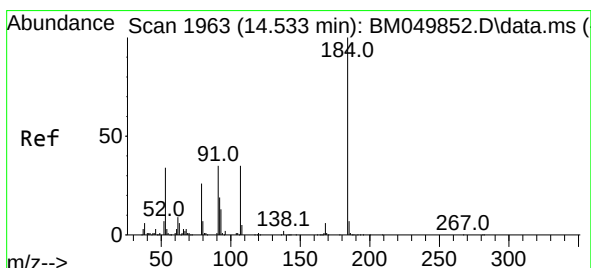
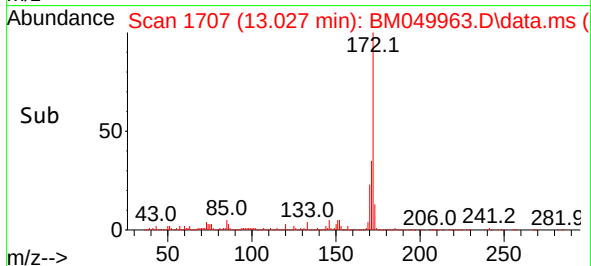
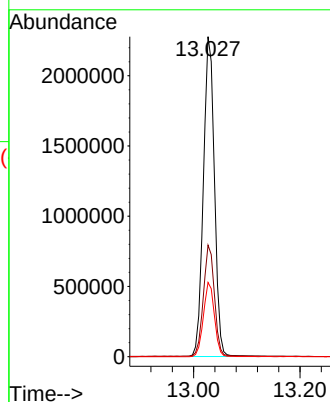
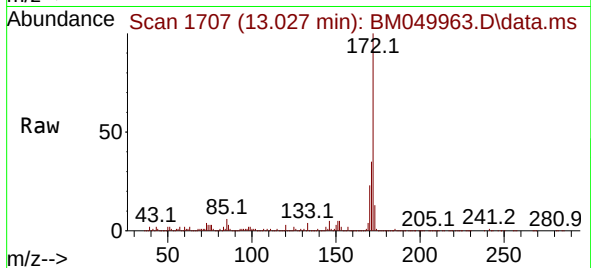
Tgt Ion:172 Resp: 3280588

Ion Ratio Lower Upper

172 100

171 34.8 27.4 41.2

170 23.2 18.6 28.0



#54

2,4-Dinitrophenol

Concen: 7.240 ng

RT: 14.533 min Scan# 1963

Delta R.T. 0.000 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

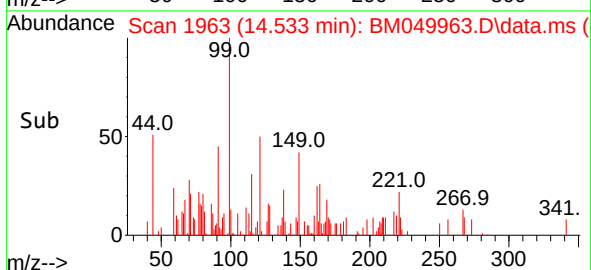
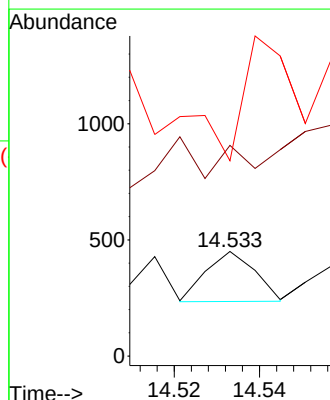
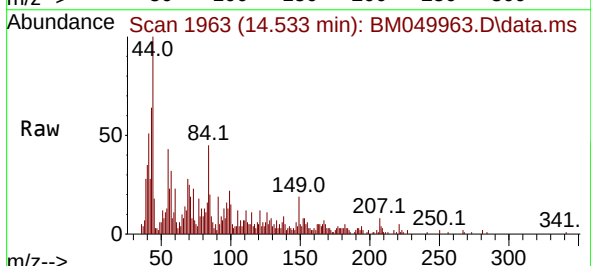
Tgt Ion:184 Resp: 171

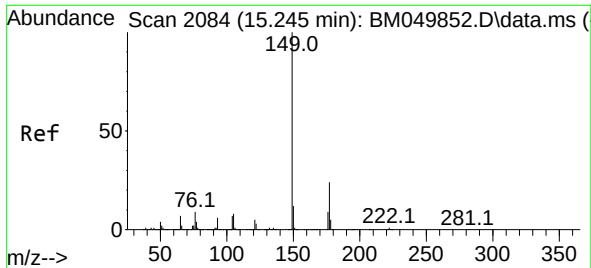
Ion Ratio Lower Upper

184 100

63 201.6 38.4 57.6#

154 186.9 48.1 72.1#

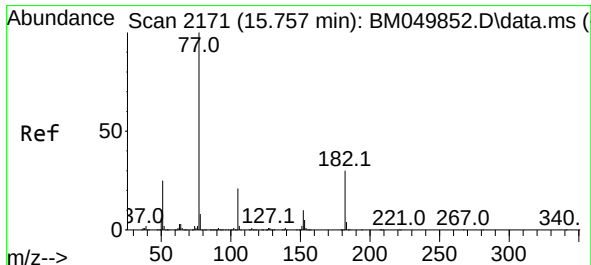
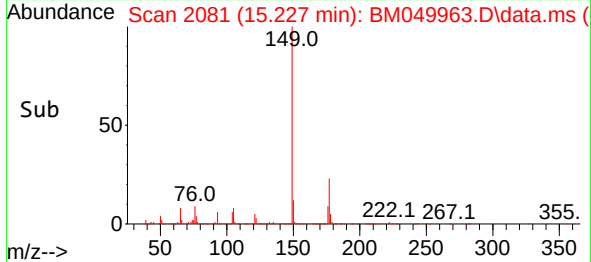
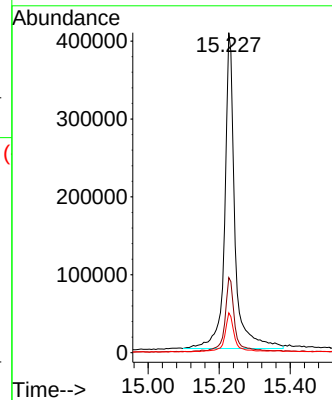
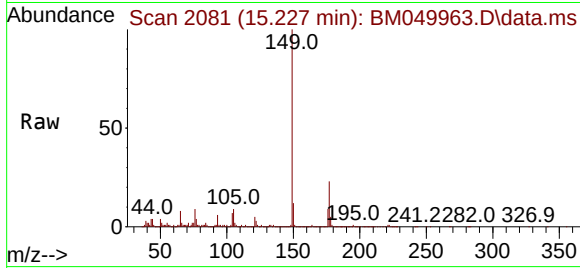




#60
Diethylphthalate
Concen: 12.556 ng
RT: 15.227 min Scan# 2081
Delta R.T. -0.018 min
Lab File: BM049963.D
Acq: 18 Apr 2025 13:10

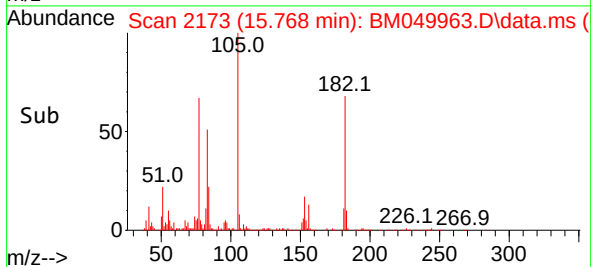
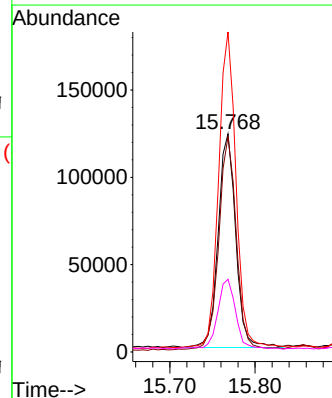
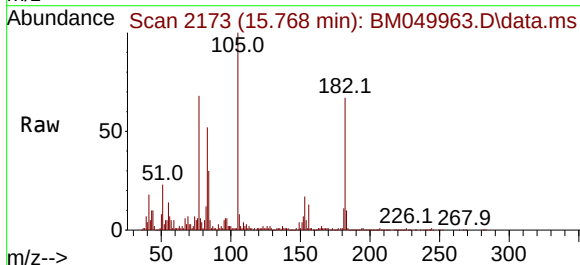
Instrument :
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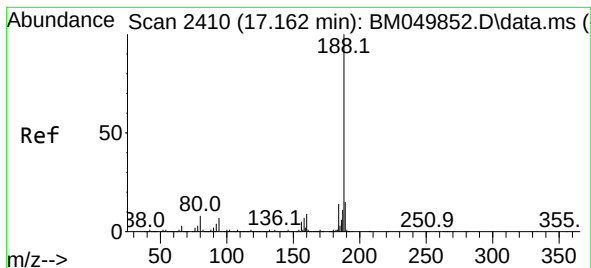
Tgt Ion:149 Resp: 802698
Ion Ratio Lower Upper
149 100
177 23.5 19.0 28.4
150 12.4 9.7 14.5



#63
Azobenzene
Concen: 3.217 ng
RT: 15.768 min Scan# 2173
Delta R.T. 0.012 min
Lab File: BM049963.D
Acq: 18 Apr 2025 13:10

Tgt Ion: 77 Resp: 176095
Ion Ratio Lower Upper
77 100
182 98.7 10.4 50.4#
105 146.8 1.5 41.5#
51 33.3 5.3 45.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.156 min Scan# 2410

Delta R.T. -0.006 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

Instrument :

BNA_M

ClientSampleId :

TP-9

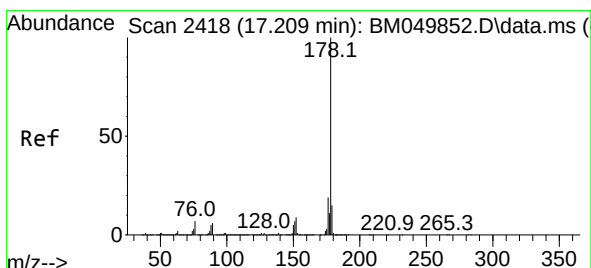
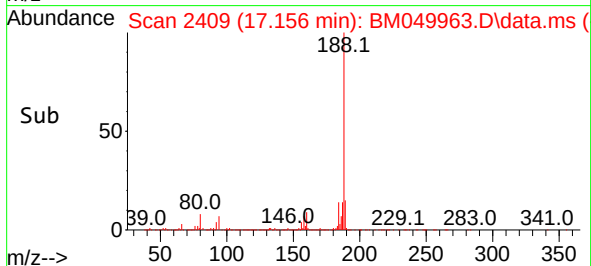
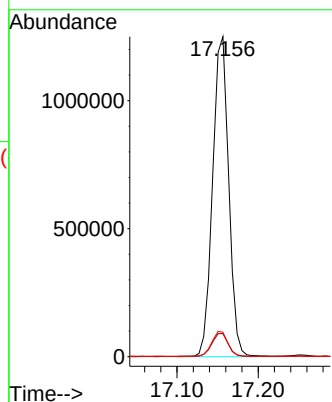
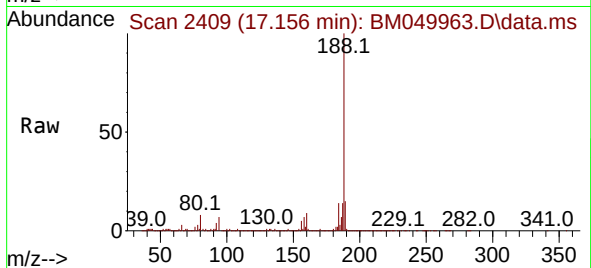
Tgt Ion:188 Resp: 1716435

Ion Ratio Lower Upper

188 100

94 7.2 5.8 8.6

80 7.7 6.4 9.6



#71

Phenanthrene

Concen: 3.660 ng

RT: 17.198 min Scan# 2416

Delta R.T. -0.012 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

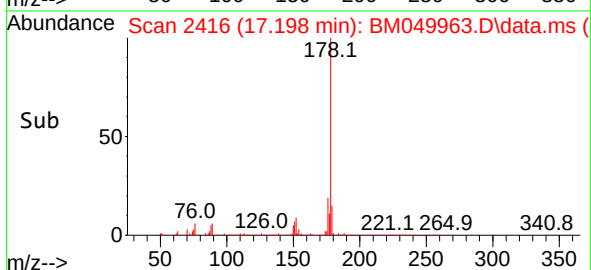
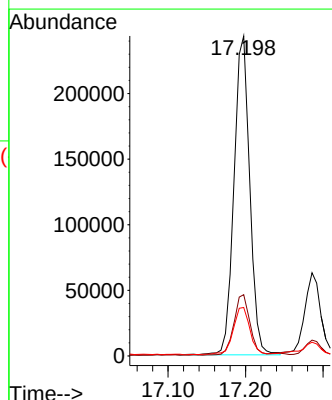
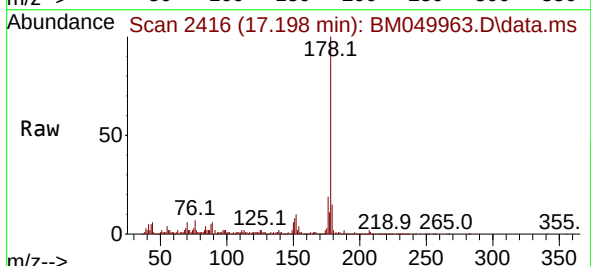
Tgt Ion:178 Resp: 344370

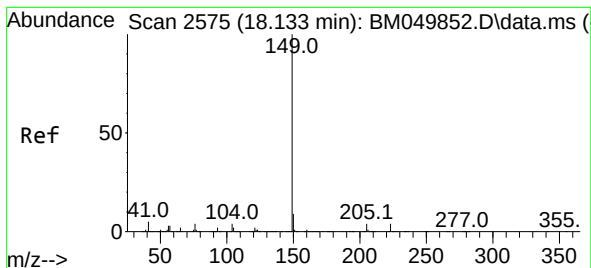
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.1 12.3 18.5





#74

Di-n-butylphthalate

Concen: 12.689 ng

RT: 18.121 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

Instrument :

BNA_M

ClientSampleId :

TP-9

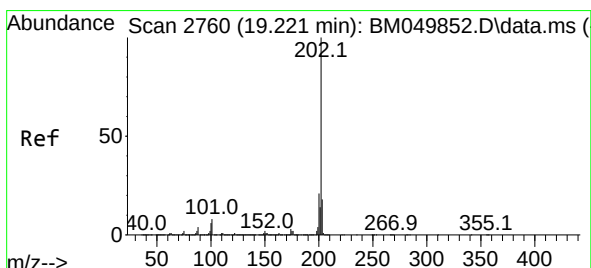
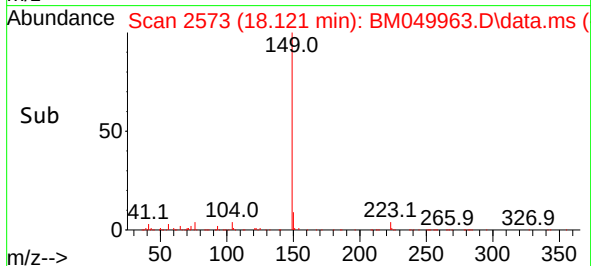
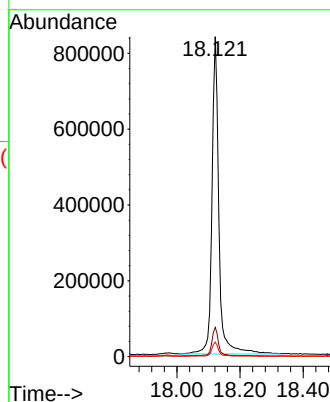
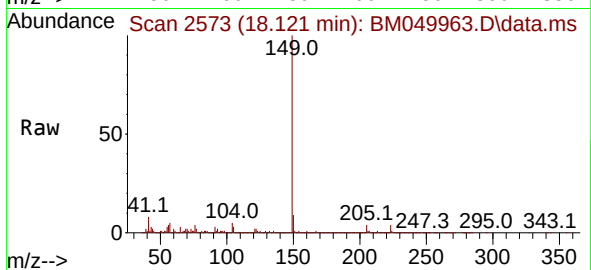
Tgt Ion:149 Resp: 1276575

Ion Ratio Lower Upper

149 100

150 9.2 7.5 11.3

104 4.6 3.5 5.3



#75

Fluoranthene

Concen: 6.894 ng

RT: 19.215 min Scan# 2759

Delta R.T. -0.006 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

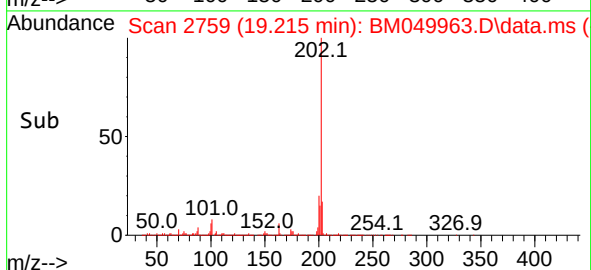
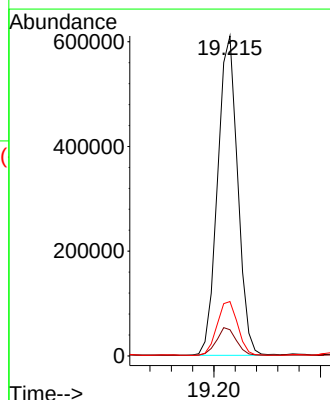
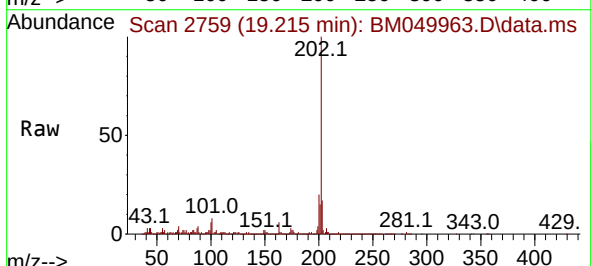
Tgt Ion:202 Resp: 797594

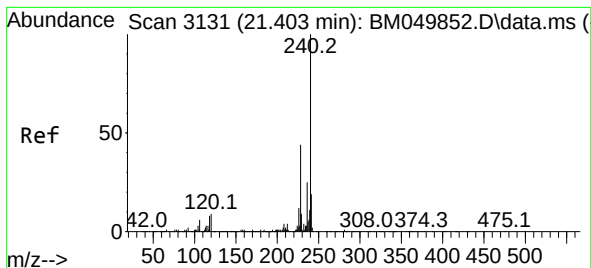
Ion Ratio Lower Upper

202 100

101 8.2 0.0 28.4

203 17.0 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.391 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

Instrument :

BNA_M

ClientSampleId :

TP-9

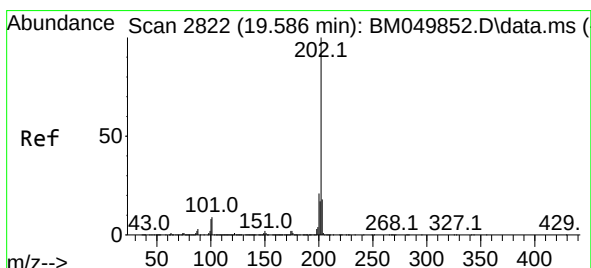
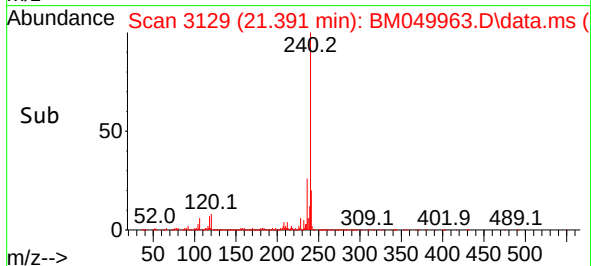
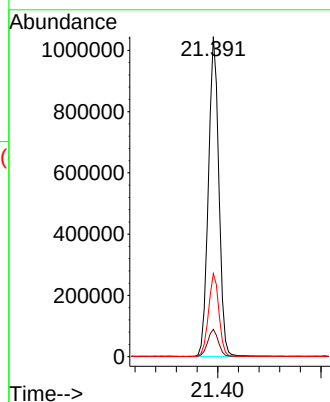
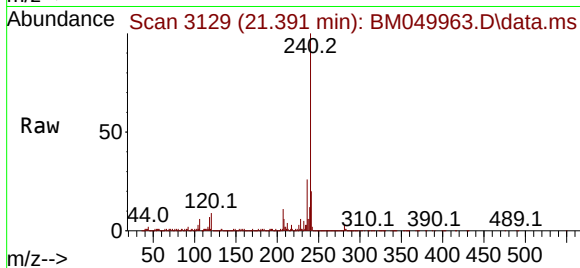
Tgt Ion:240 Resp: 1464947

Ion Ratio Lower Upper

240 100

120 8.5 6.9 10.3

236 25.9 20.4 30.6



#78

Pyrene

Concen: 7.893 ng

RT: 19.574 min Scan# 2820

Delta R.T. -0.012 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

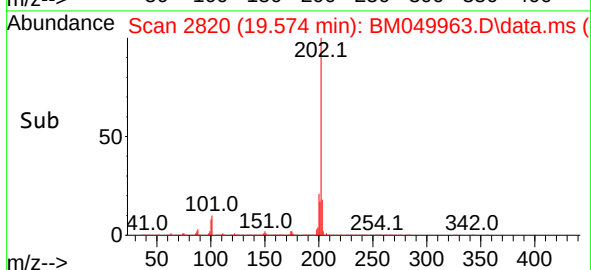
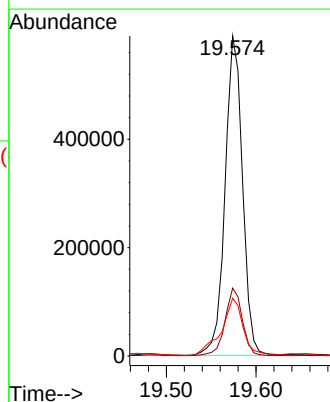
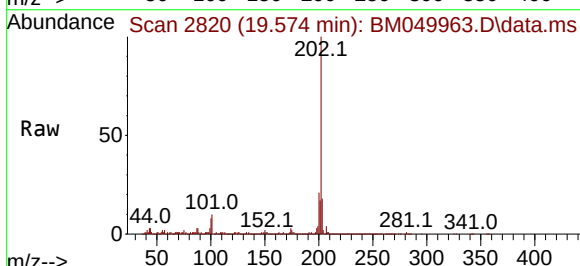
Tgt Ion:202 Resp: 796888

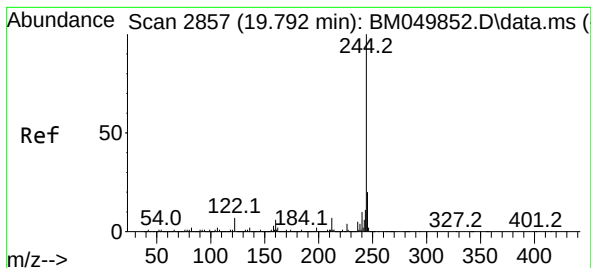
Ion Ratio Lower Upper

202 100

200 21.2 16.5 24.7

203 18.1 14.0 21.0





#79

Terphenyl-d14

Concen: 45.480 ng

RT: 19.780 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

Instrument :

BNA_M

ClientSampleId :

TP-9

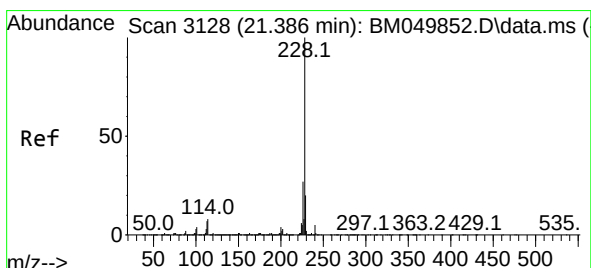
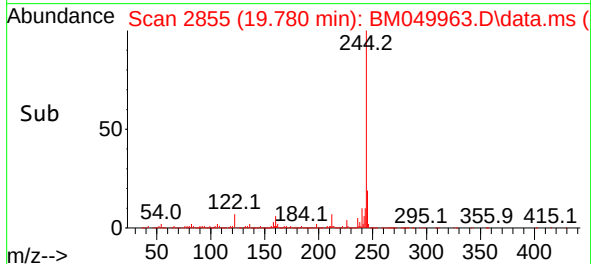
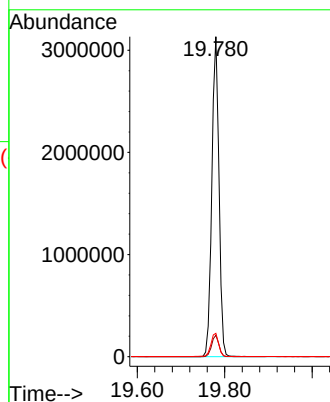
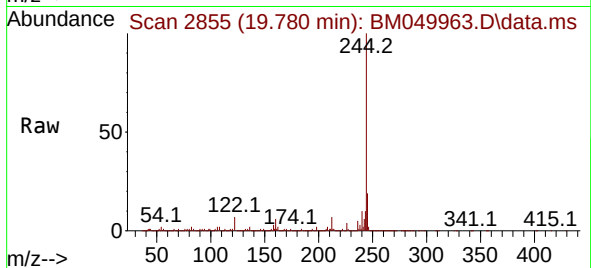
Tgt Ion:244 Resp: 3555180

Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 7.3 5.4 8.0



#81

Benzo(a)anthracene

Concen: 4.428 ng

RT: 21.374 min Scan# 3126

Delta R.T. -0.012 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

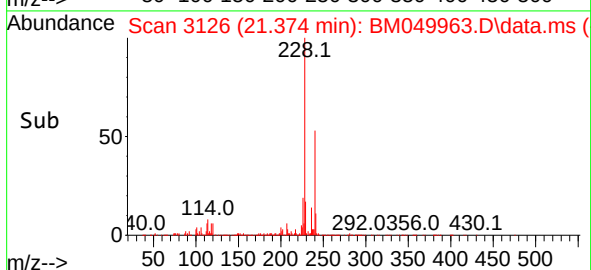
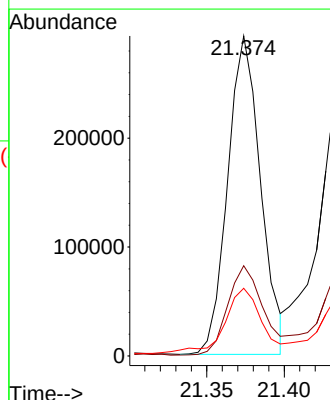
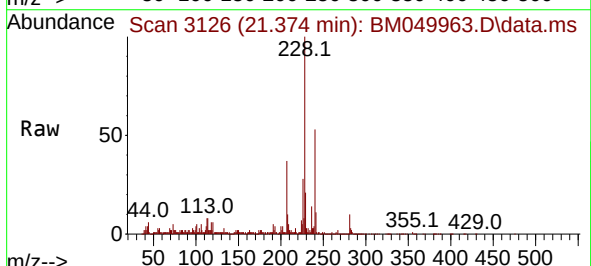
Tgt Ion:228 Resp: 431078

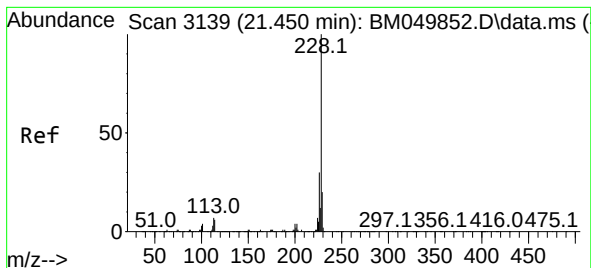
Ion Ratio Lower Upper

228 100

226 28.2 21.8 32.8

229 21.1 15.8 23.8





#83

Chrysene

Concen: 4.068 ng

RT: 21.433 min Scan# 3139

Delta R.T. -0.018 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

Instrument :

BNA_M

ClientSampleId :

TP-9

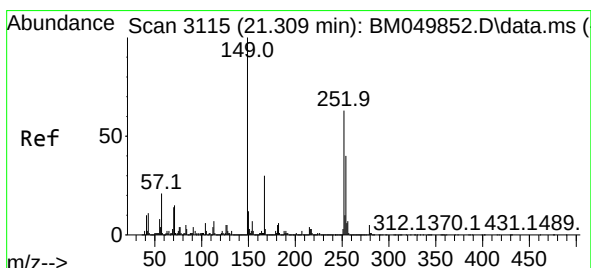
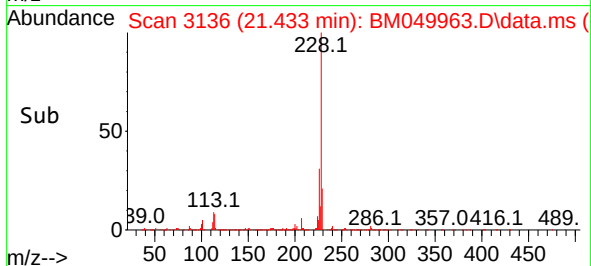
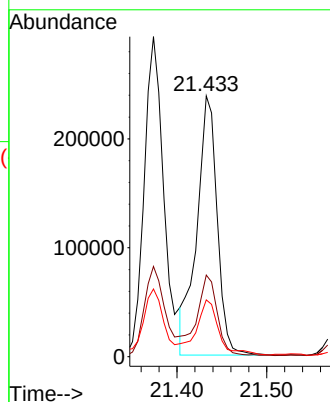
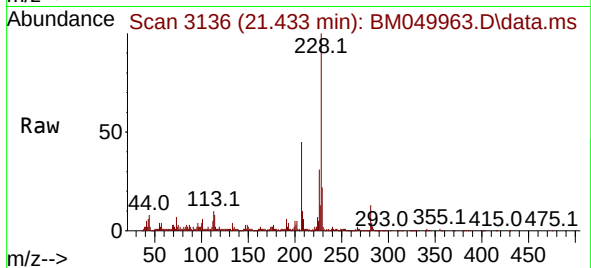
Tgt Ion:228 Resp: 376531

Ion Ratio Lower Upper

228 100

226 31.3 24.1 36.1

229 21.8 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.280 ng

RT: 21.297 min Scan# 3113

Delta R.T. -0.012 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

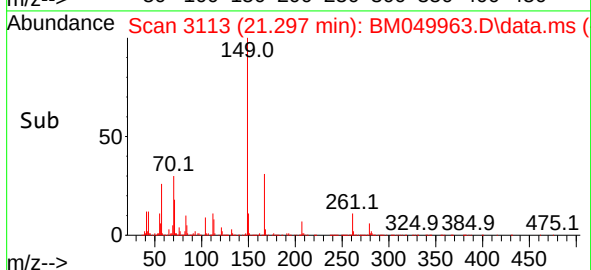
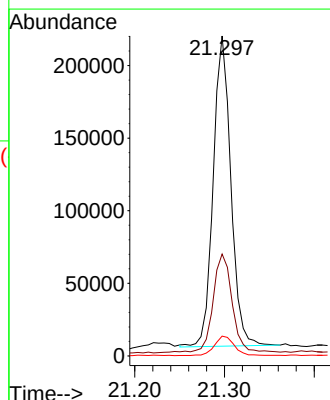
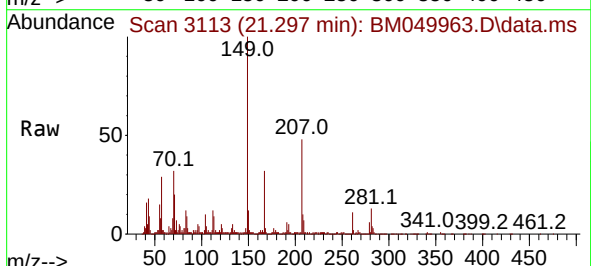
Tgt Ion:149 Resp: 291858

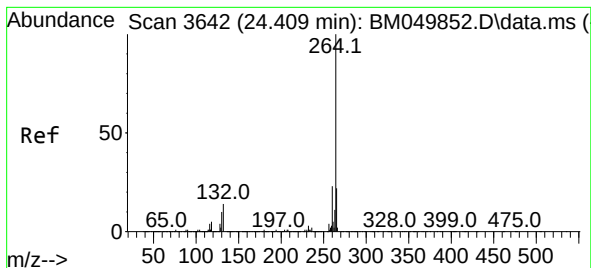
Ion Ratio Lower Upper

149 100

167 31.9 23.8 35.6

279 6.2 3.8 5.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.391 min Scan# 30

Delta R.T. -0.018 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

Instrument :

BNA_M

ClientSampleId :

TP-9

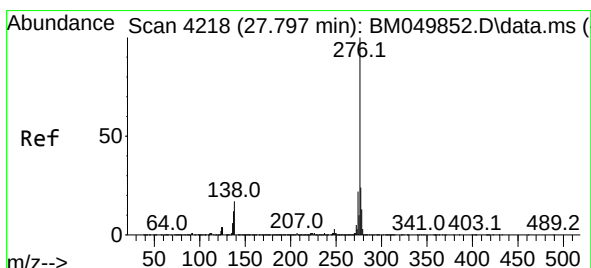
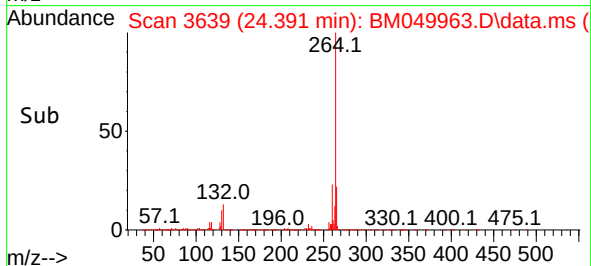
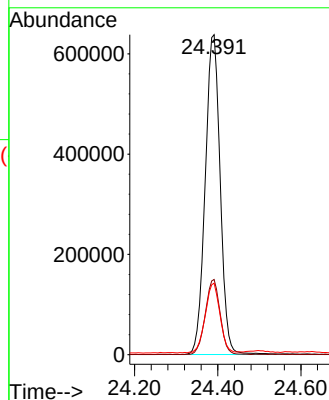
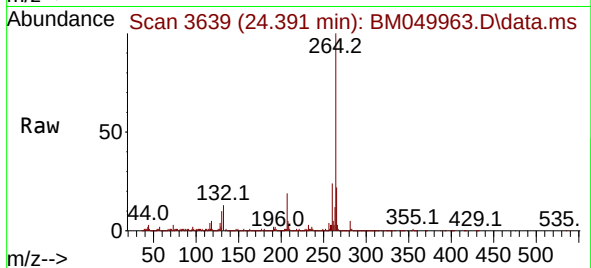
Tgt Ion:264 Resp: 1595297

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 22.4 17.8 26.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.229 ng

RT: 27.762 min Scan# 4212

Delta R.T. -0.035 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

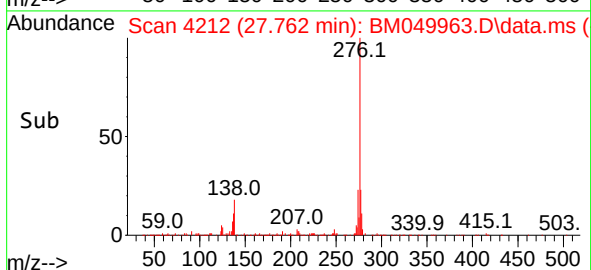
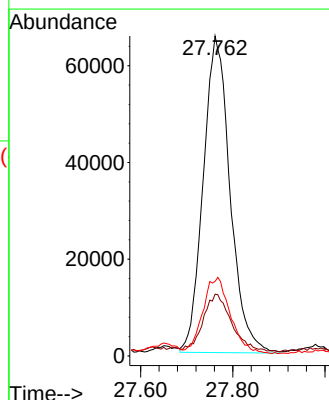
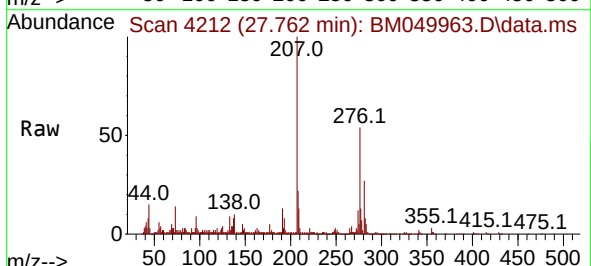
Tgt Ion:276 Resp: 265005

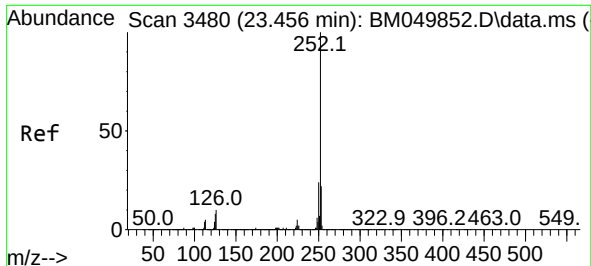
Ion Ratio Lower Upper

276 100

138 18.6 16.8 25.2

277 24.8 20.1 30.1

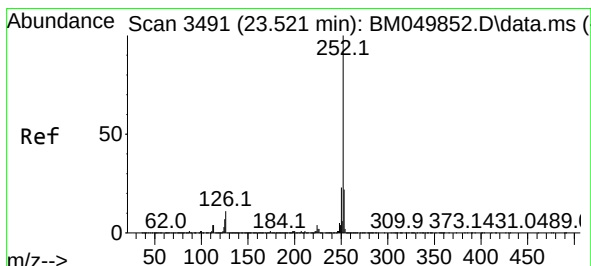
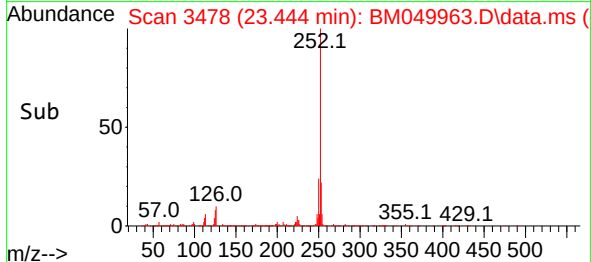
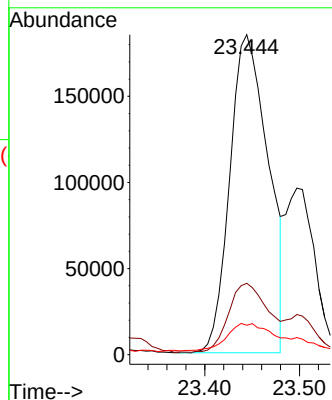
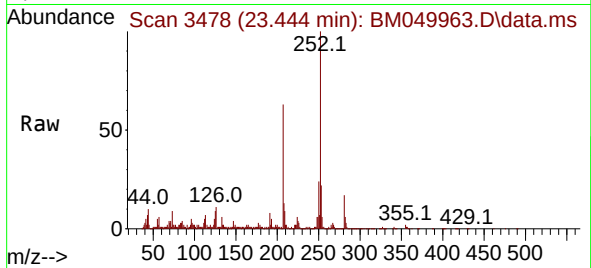




#88
Benzo(b)fluoranthene
Concen: 5.104 ng
RT: 23.444 min Scan# 3480
Delta R.T. -0.012 min
Lab File: BM049963.D
Acq: 18 Apr 2025 13:10

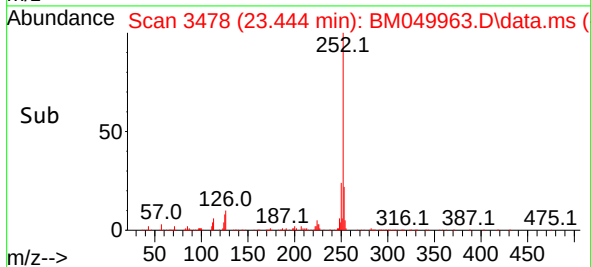
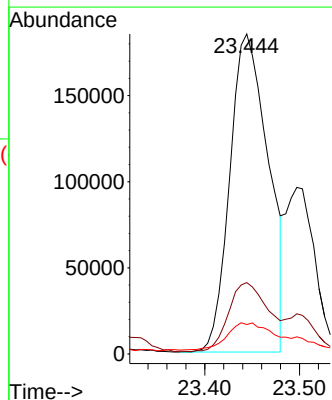
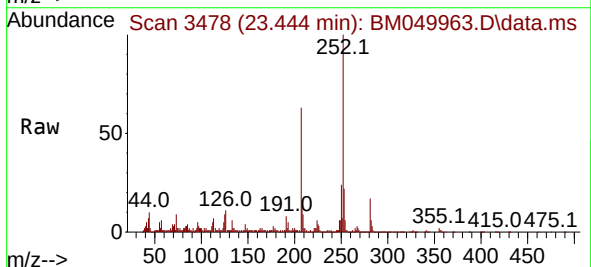
Instrument :
BNA_M
ClientSampleId :
TP-9

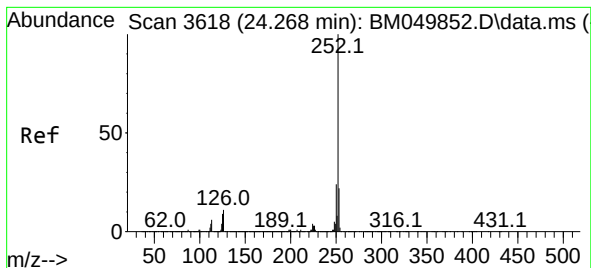
Tgt Ion:252 Resp: 520037
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 9.2 6.2 9.4



#89
Benzo(k)fluoranthene
Concen: 5.267 ng
RT: 23.444 min Scan# 3478
Delta R.T. -0.077 min
Lab File: BM049963.D
Acq: 18 Apr 2025 13:10

Tgt Ion:252 Resp: 520037
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 9.2 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 4.512 ng

RT: 24.244 min Scan# 30

Delta R.T. -0.024 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

Instrument :

BNA_M

ClientSampleId :

TP-9

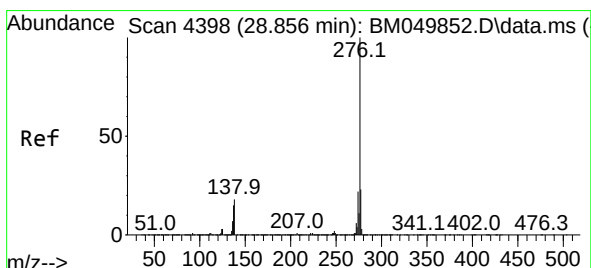
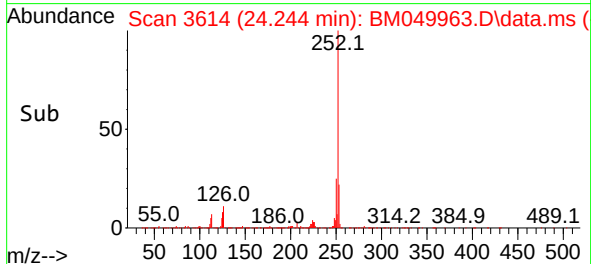
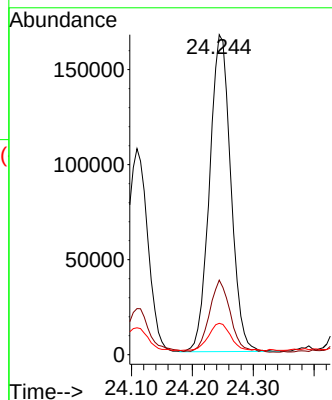
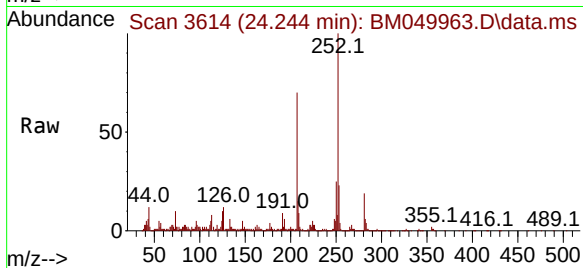
Tgt Ion:252 Resp: 404004

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

125 9.8 7.0 10.4



#92

Benzo(g,h,i)perylene

Concen: 2.529 ng

RT: 28.820 min Scan# 4392

Delta R.T. -0.035 min

Lab File: BM049963.D

Acq: 18 Apr 2025 13:10

Tgt Ion:276 Resp: 253131

Ion Ratio Lower Upper

276 100

277 23.6 18.7 28.1

138 18.8 14.6 21.8

