

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
 Data File : BM049998.D
 Acq On : 22 Apr 2025 16:28
 Operator : RC/JU
 Sample : Q1848-03 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ETGI-275

Quant Time: Apr 22 17:18:25 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)

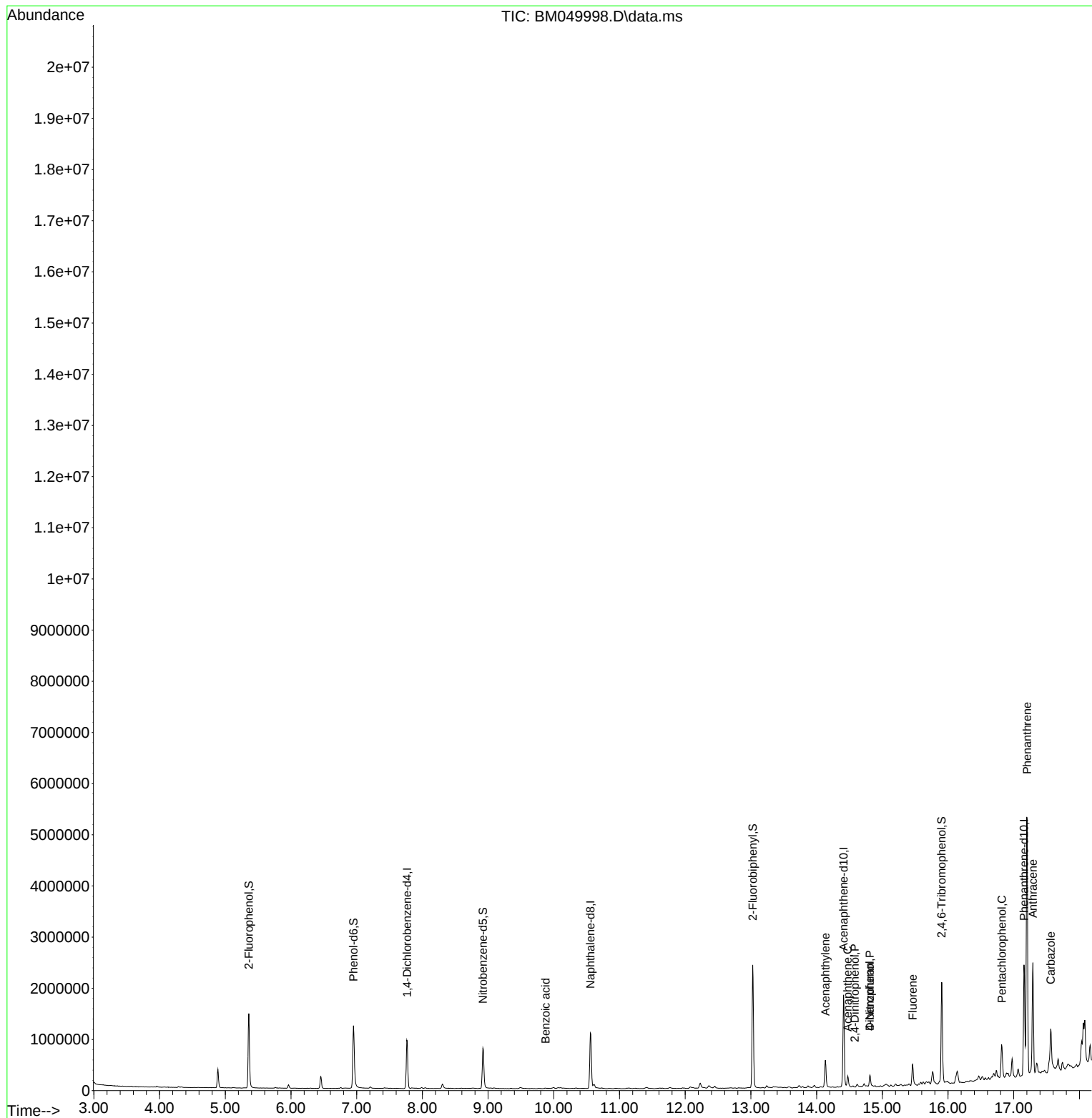
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	286500	20.000	ng	-0.01
21) Naphthalene-d8	10.557	136	995310	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	663499	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1345689	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1303838	20.000	ng	0.00
86) Perylene-d12	24.409	264	1347688	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	676961	40.123	ng	0.00
7) Phenol-d6	6.951	99	826448	39.370	ng	0.00
23) Nitrobenzene-d5	8.922	82	502163	28.095	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	384259	39.816	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	1342783	27.443	ng	-0.02
79) Terphenyl-d14	19.786	244	1927644	27.707	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.875	122	507	8.571	ng	# 42
49) Acenaphthylene	14.133	152	434256	7.690	ng	100
52) Acenaphthene	14.474	154	76425	2.128	ng	92
54) 2,4-Dinitrophenol	14.580	184	56	7.232	ng	# 1
55) Dibenzofuran	14.810	168	157080	2.616	ng	99
56) 4-Nitrophenol	14.810	139	50523	5.981	ng	# 15
58) Fluorene	15.463	166	205282	4.301	ng	98
70) Pentachlorophenol	16.821	266	52254	3.961	ng	98
71) Phenanthrene	17.204	178	3249297	44.043	ng	100
72) Anthracene	17.292	178	1427766	19.638	ng	99
73) Carbazole	17.562	167	562478	8.214	ng	99
75) Fluoranthene	19.221	202	10248922	112.985	ng	97
78) Pyrene	19.586	202	9294329	103.433	ng	98
81) Benzo(a)anthracene	21.386	228	2526526	29.157	ng	96
83) Chrysene	21.445	228	5353084	64.979	ng	97
87) Indeno(1,2,3-cd)pyrene	27.803	276	1198649	11.932	ng	96
88) Benzo(b)fluoranthene	23.468	252	4957044	57.592	ng	99
89) Benzo(k)fluoranthene	23.468	252	4957044	59.430	ng	98
90) Benzo(a)pyrene	24.268	252	1605043	21.221	ng	96
91) Dibenzo(a,h)anthracene	27.844	278	295165	3.567	ng	# 87
92) Benzo(g,h,i)perylene	28.868	276	1027280	12.149	ng	98

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

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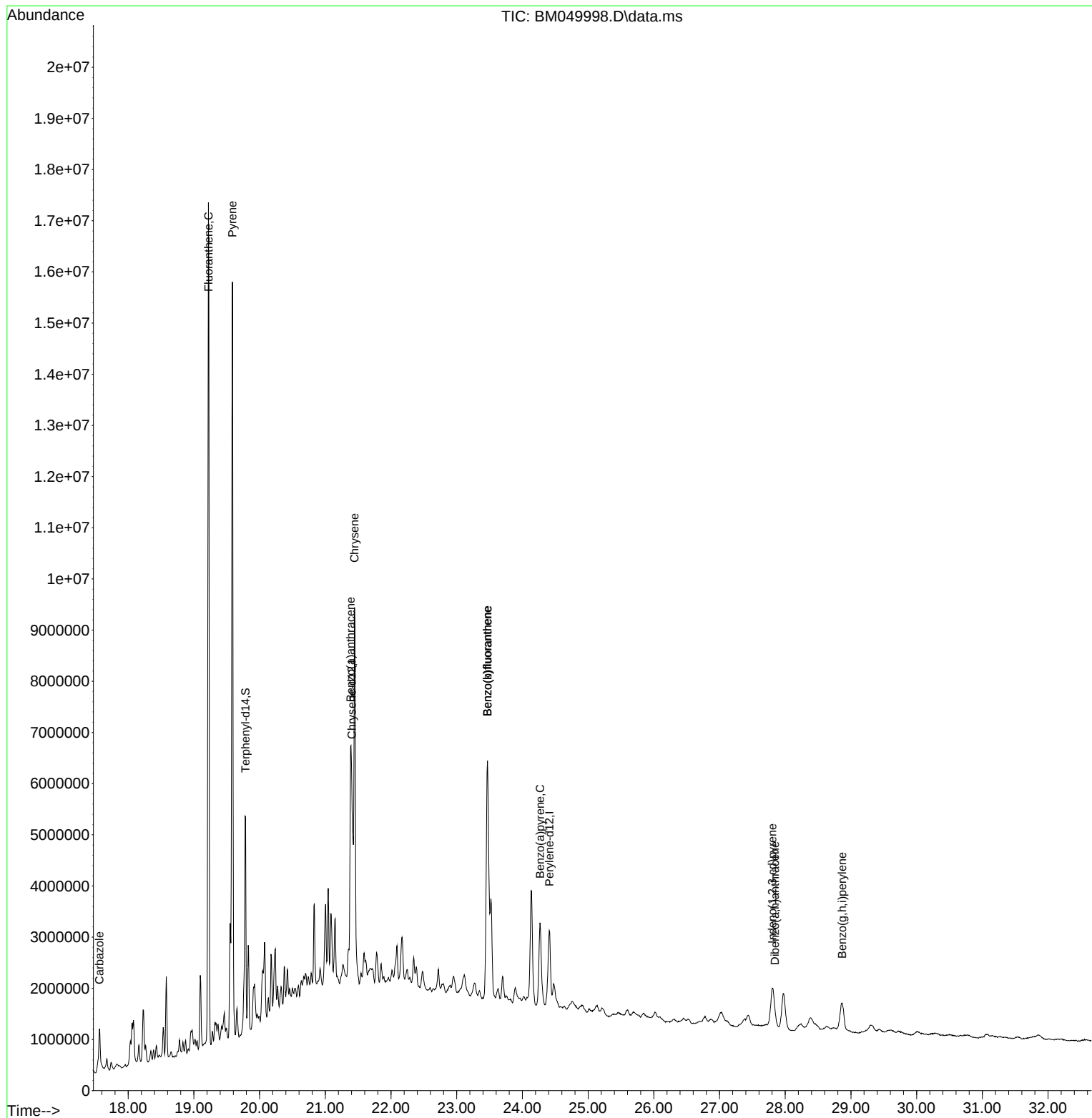
Quant Time: Apr 22 17:18:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
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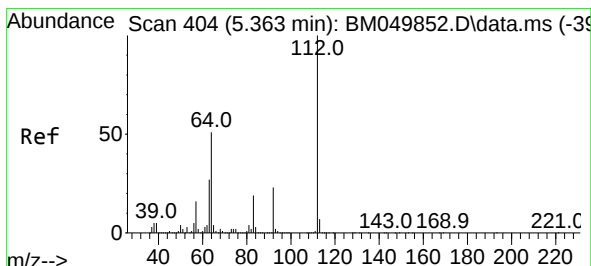
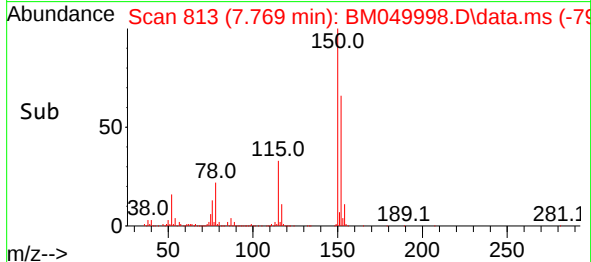
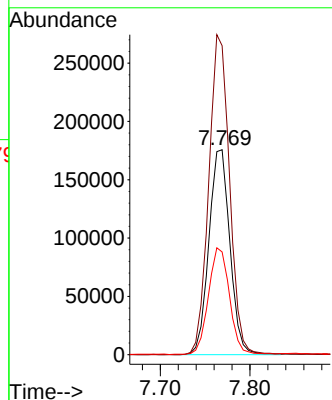
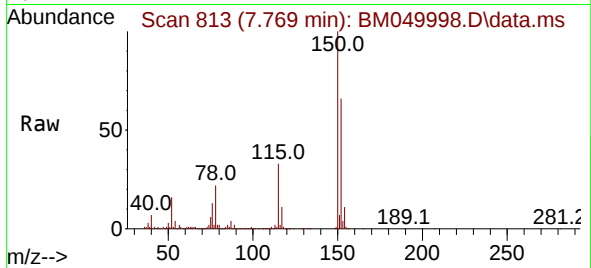




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049998.D
Acq: 22 Apr 2025 16:28

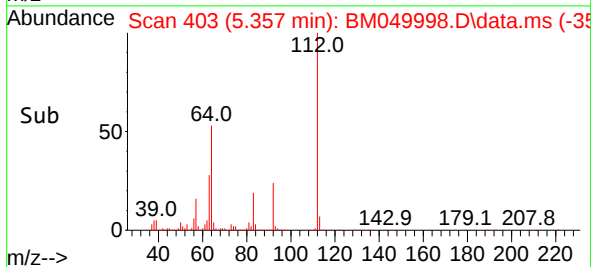
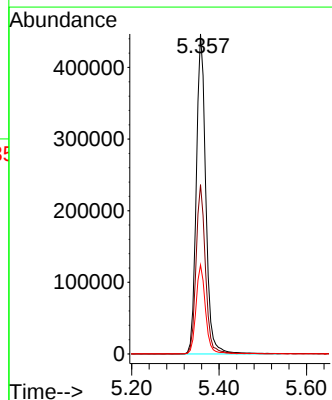
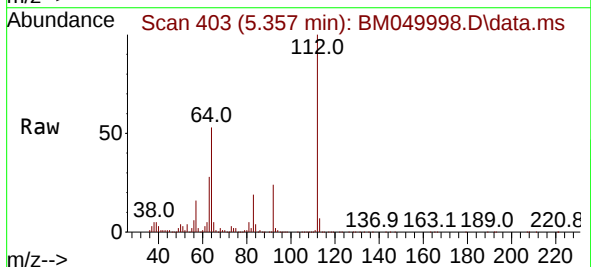
Instrument :
BNA_M
ClientSampleId :
ETGI-275

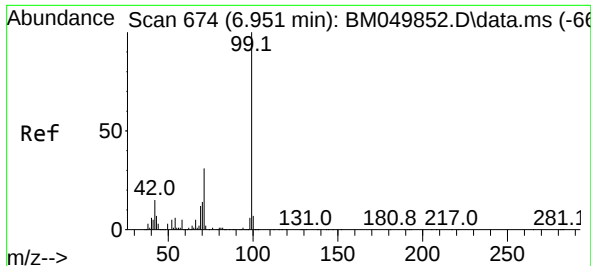
Tgt Ion:152 Resp: 286500
Ion Ratio Lower Upper
152 100
150 150.7 124.3 186.5
115 50.1 41.1 61.7



#5
2-Fluorophenol
Concen: 40.123 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049998.D
Acq: 22 Apr 2025 16:28

Tgt Ion:112 Resp: 676961
Ion Ratio Lower Upper
112 100
64 52.9 41.0 61.6
63 27.8 21.5 32.3

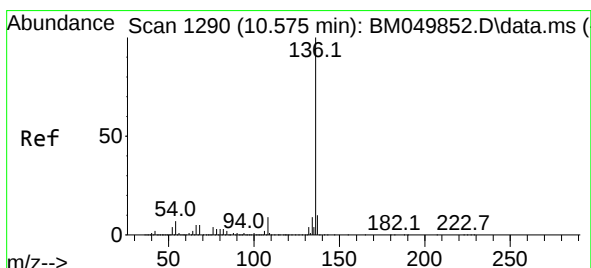
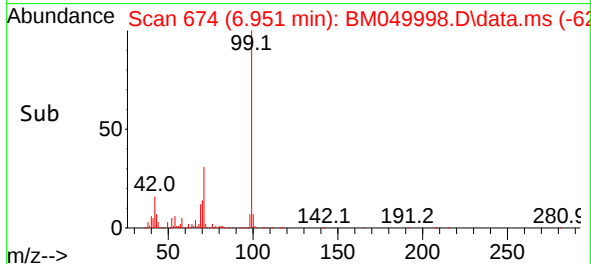
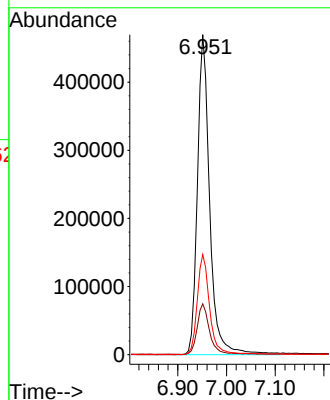
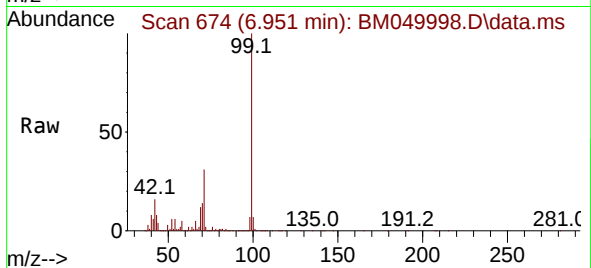




#7
Phenol-d6
Concen: 39.370 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049998.D
Acq: 22 Apr 2025 16:28

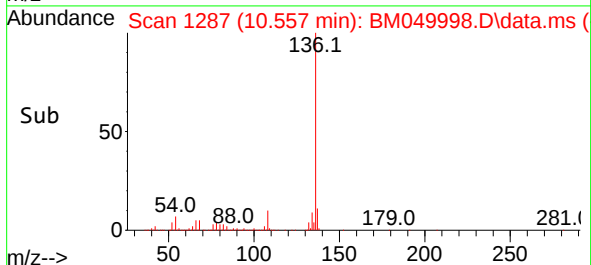
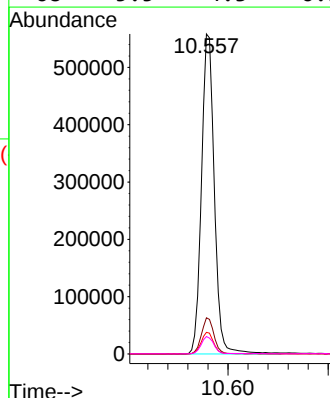
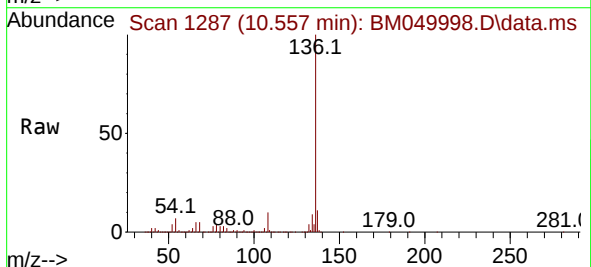
Instrument :
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ClientSampleId :
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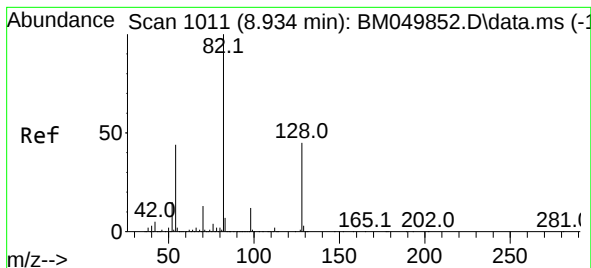
Tgt Ion: 99 Resp: 826448
Ion Ratio Lower Upper
99 100
42 15.9 12.1 18.1
71 31.3 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM049998.D
Acq: 22 Apr 2025 16:28

Tgt Ion: 136 Resp: 995310
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 6.7 5.3 7.9
68 5.5 4.3 6.5





#23

Nitrobenzene-d5

Concen: 28.095 ng

RT: 8.922 min Scan# 1009

Delta R.T. -0.012 min

Lab File: BM049998.D

Acq: 22 Apr 2025 16:28

Instrument :

BNA_M

ClientSampleId :

ETGI-275

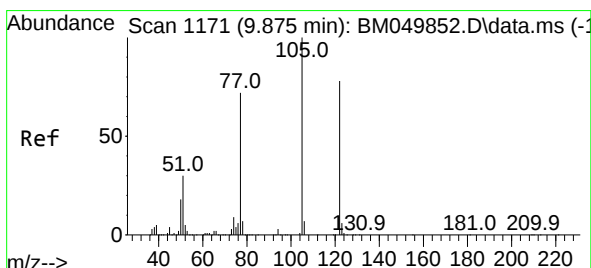
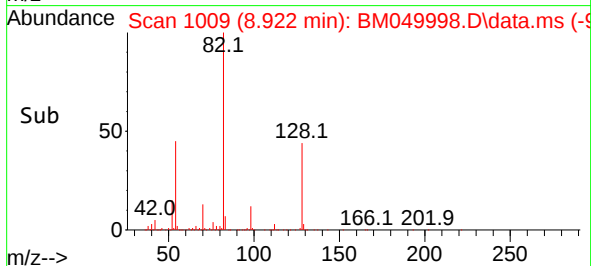
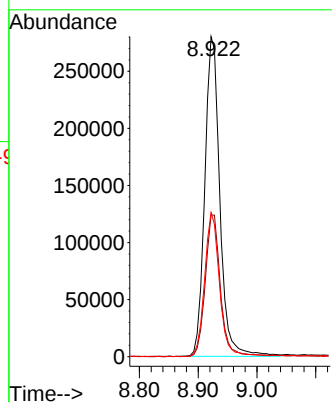
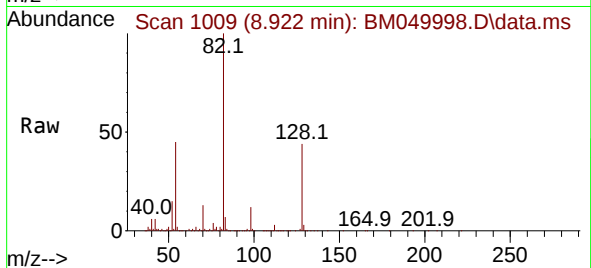
Tgt Ion: 82 Resp: 502163

Ion Ratio Lower Upper

82 100

128 44.4 36.2 54.2

54 45.1 35.0 52.6



#32

Benzoic acid

Concen: 8.571 ng

RT: 9.875 min Scan# 1171

Delta R.T. -0.000 min

Lab File: BM049998.D

Acq: 22 Apr 2025 16:28

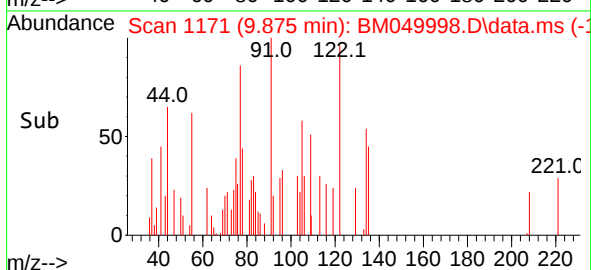
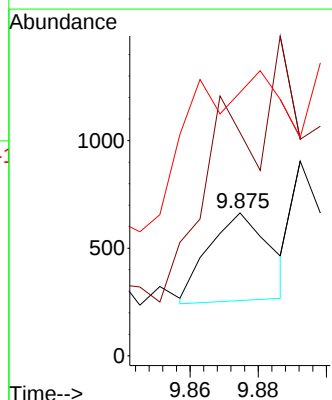
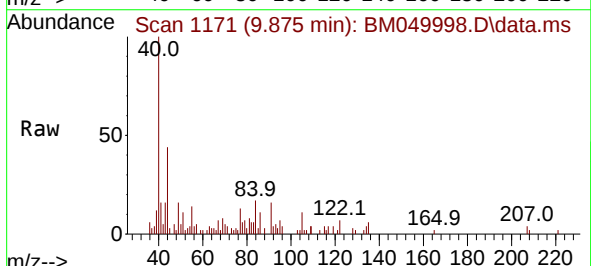
Tgt Ion:122 Resp: 507

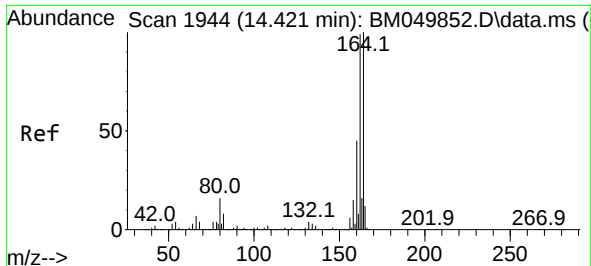
Ion Ratio Lower Upper

122 100

105 156.2 103.8 143.8#

77 184.3 70.7 110.7#

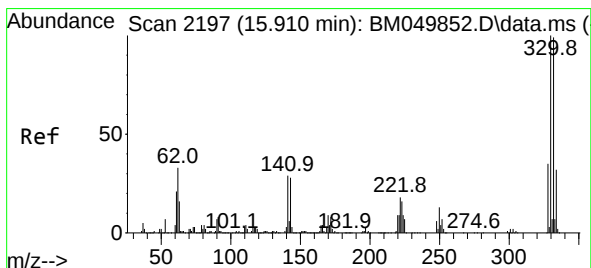
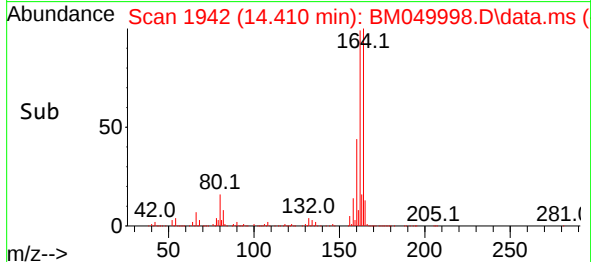
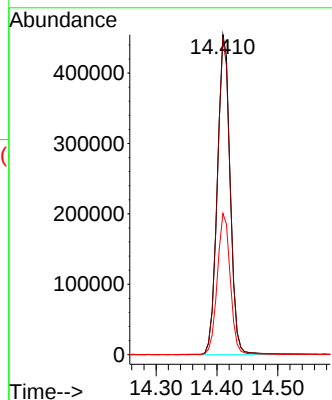
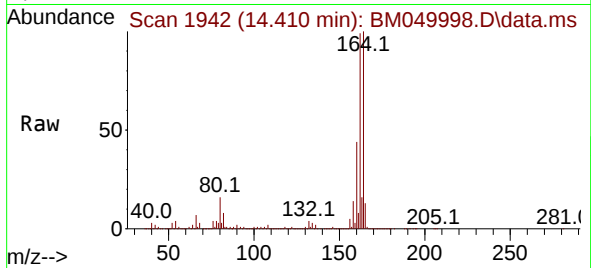




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM049998.D
Acq: 22 Apr 2025 16:28

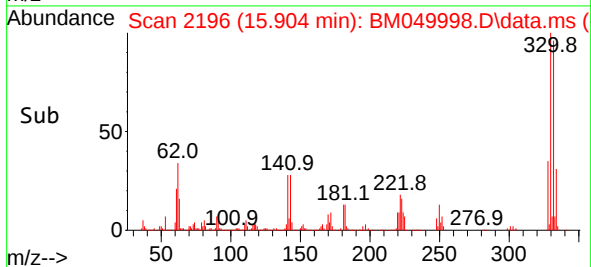
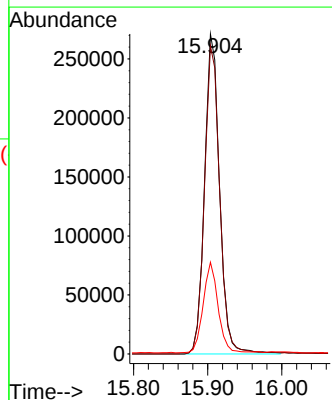
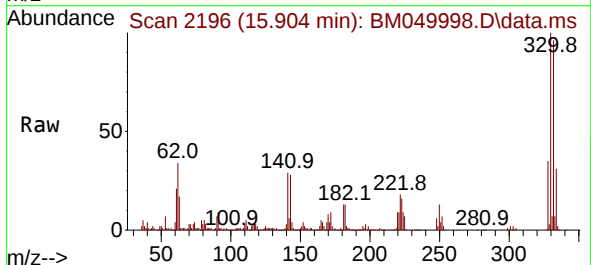
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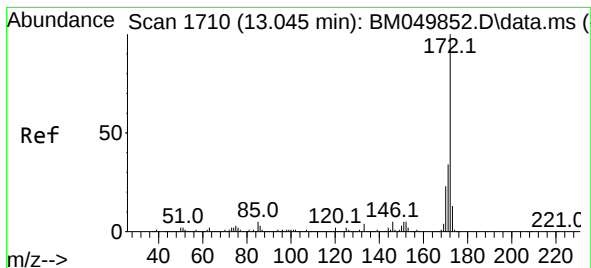
Tgt Ion:164 Resp: 663499
Ion Ratio Lower Upper
164 100
162 99.0 79.4 119.0
160 44.1 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 39.816 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM049998.D
Acq: 22 Apr 2025 16:28

Tgt Ion:330 Resp: 384259
Ion Ratio Lower Upper
330 100
332 98.2 78.0 117.0
141 28.2 23.5 35.3

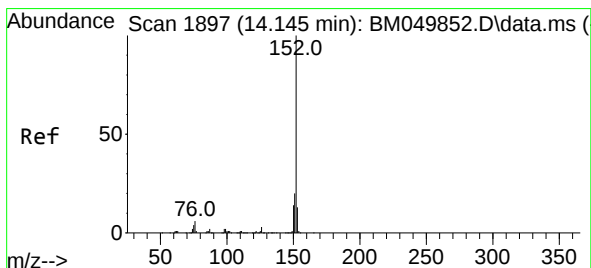
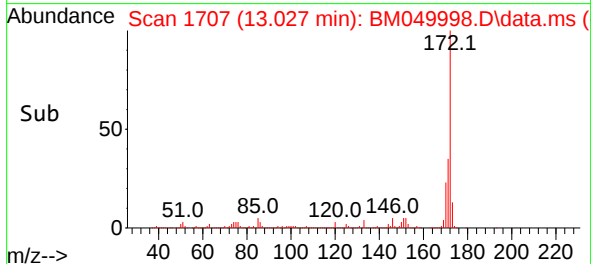
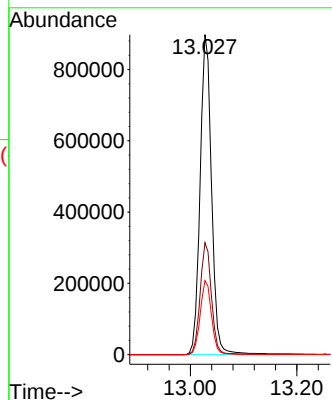
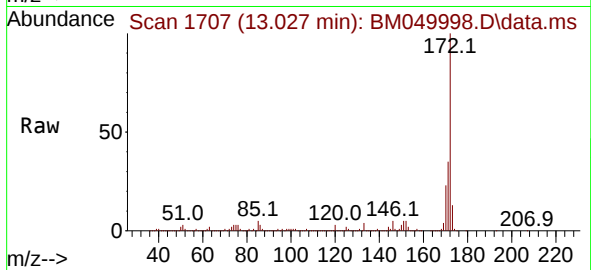




#45
2-Fluorobiphenyl
Concen: 27.443 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.018 min
Lab File: BM049998.D
Acq: 22 Apr 2025 16:28

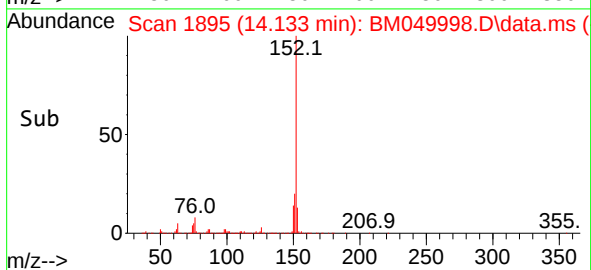
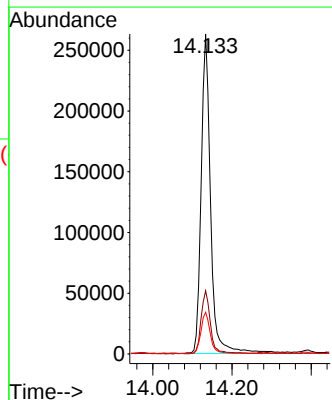
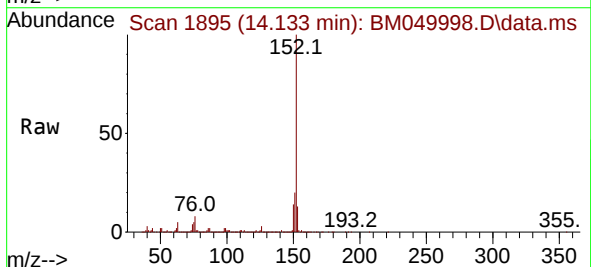
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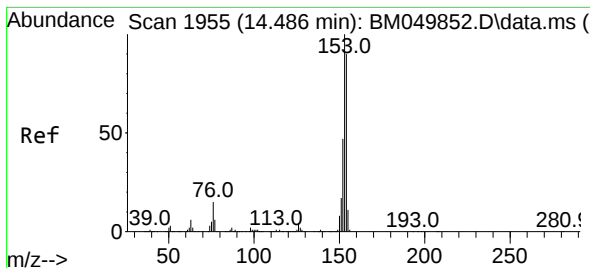
Tgt Ion:172 Resp: 1342783
Ion Ratio Lower Upper
172 100
171 35.0 27.4 41.2
170 23.2 18.6 28.0



#49
Acenaphthylene
Concen: 7.690 ng
RT: 14.133 min Scan# 1895
Delta R.T. -0.012 min
Lab File: BM049998.D
Acq: 22 Apr 2025 16:28

Tgt Ion:152 Resp: 434256
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.0 10.4 15.6





#52

Acenaphthene

Concen: 2.128 ng

RT: 14.474 min Scan# 1953

Delta R.T. -0.012 min

Lab File: BM049998.D

Acq: 22 Apr 2025 16:28

Instrument :

BNA_M

ClientSampleId :

ETGI-275

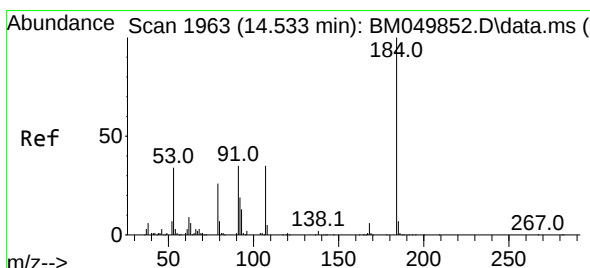
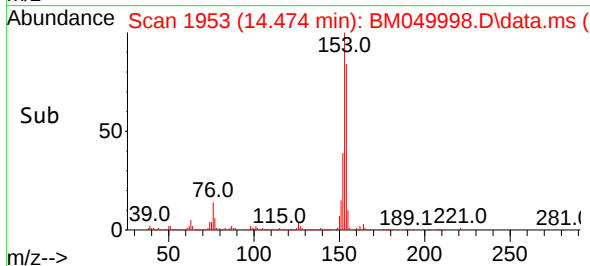
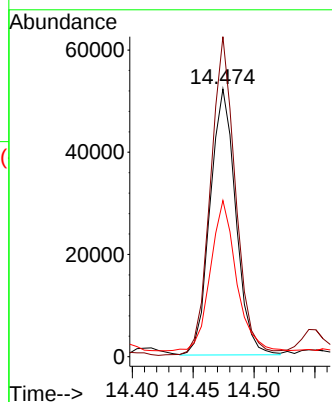
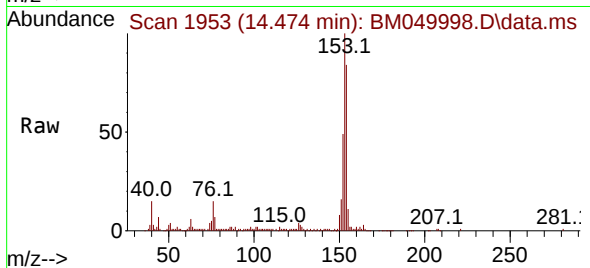
Tgt Ion:154 Resp: 76425

Ion Ratio Lower Upper

154 100

153 119.5 89.3 133.9

152 58.4 42.2 63.2



#54

2,4-Dinitrophenol

Concen: 7.232 ng

RT: 14.580 min Scan# 1971

Delta R.T. 0.047 min

Lab File: BM049998.D

Acq: 22 Apr 2025 16:28

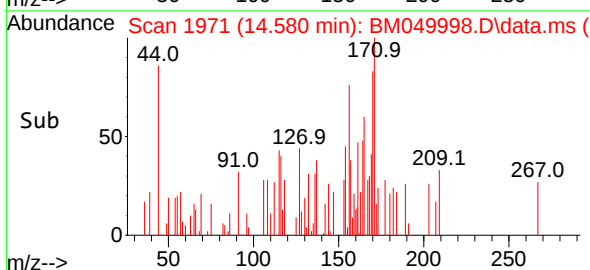
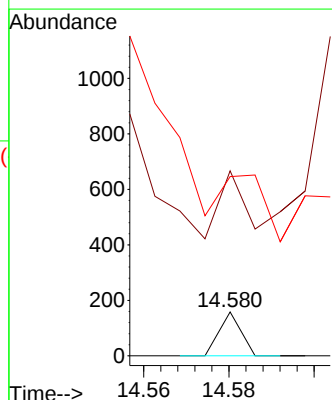
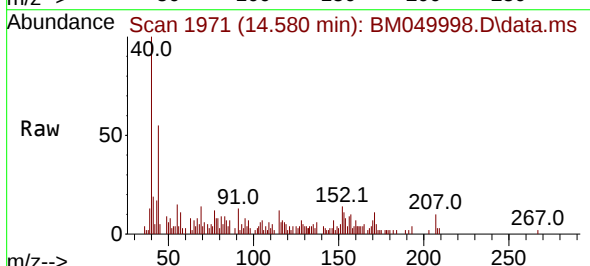
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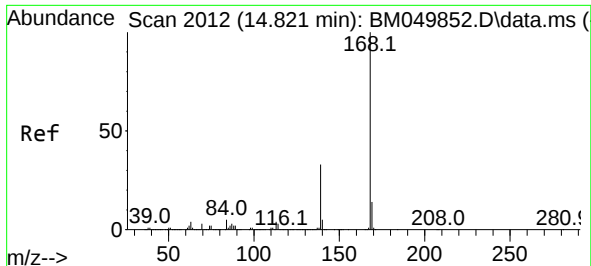
Ion Ratio Lower Upper

184 100

63 422.2 38.4 57.6#

154 408.9 48.1 72.1#

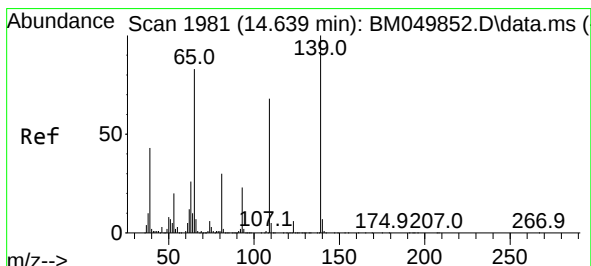
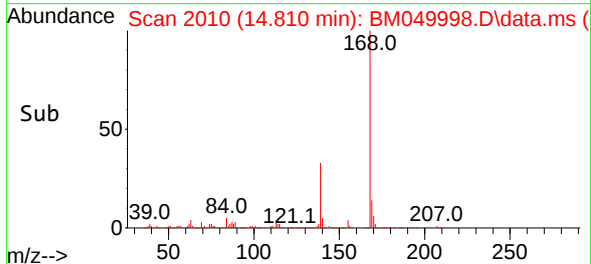
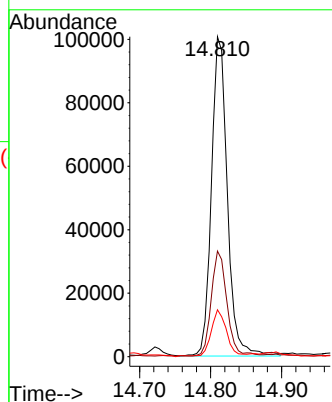
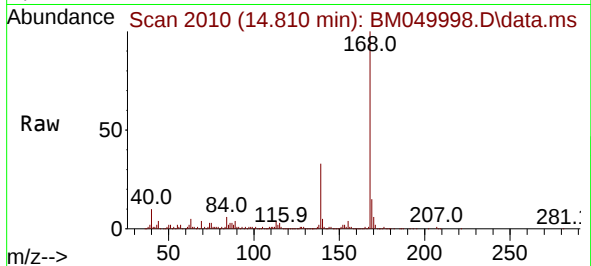




#55
Dibenzenofuran
Concen: 2.616 ng
RT: 14.810 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BM049998.D
Acq: 22 Apr 2025 16:28

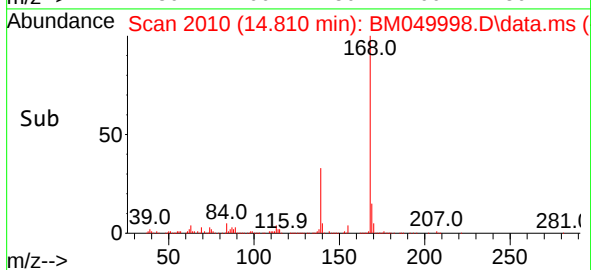
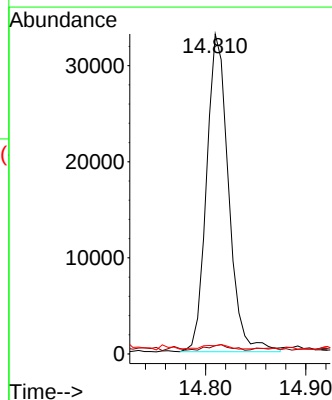
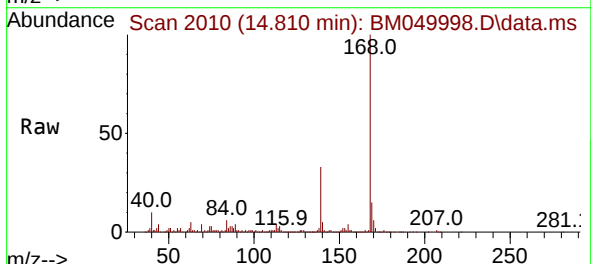
Instrument :
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ClientSampleId :
ETGI-275

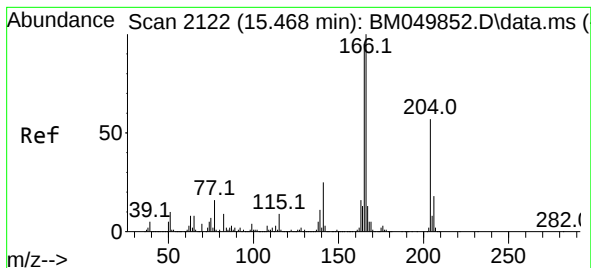
Tgt Ion:168 Resp: 157080
Ion Ratio Lower Upper
168 100
139 33.0 26.6 39.8
169 14.6 11.0 16.4



#56
4-Nitrophenol
Concen: 5.981 ng
RT: 14.810 min Scan# 2010
Delta R.T. 0.171 min
Lab File: BM049998.D
Acq: 22 Apr 2025 16:28

Tgt Ion:139 Resp: 50523
Ion Ratio Lower Upper
139 100
109 2.6 47.9 87.9#
65 2.6 62.7 102.7#





#58

Fluorene

Concen: 4.301 ng

RT: 15.463 min Scan# 2121

Delta R.T. -0.006 min

Lab File: BM049998.D

Acq: 22 Apr 2025 16:28

Instrument :

BNA_M

ClientSampleId :

ETGI-275

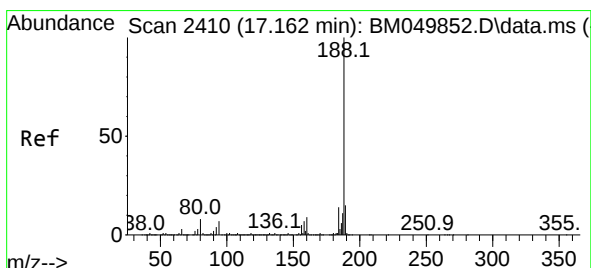
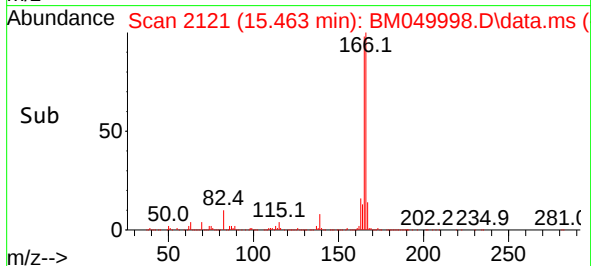
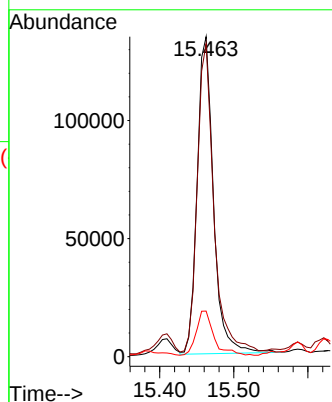
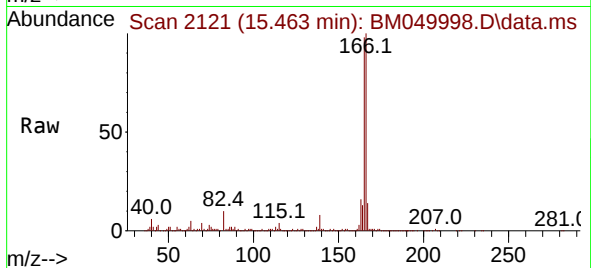
Tgt Ion:166 Resp: 205282

Ion Ratio Lower Upper

166 100

165 97.9 76.3 114.5

167 14.2 10.7 16.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BM049998.D

Acq: 22 Apr 2025 16:28

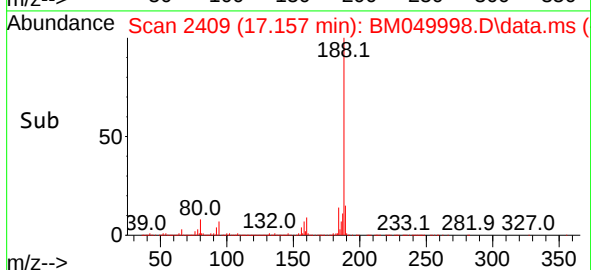
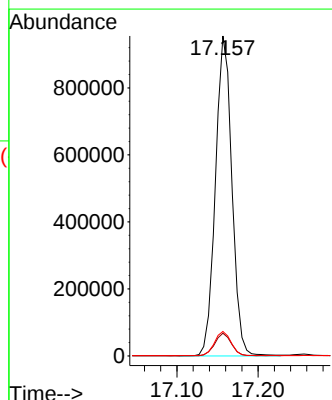
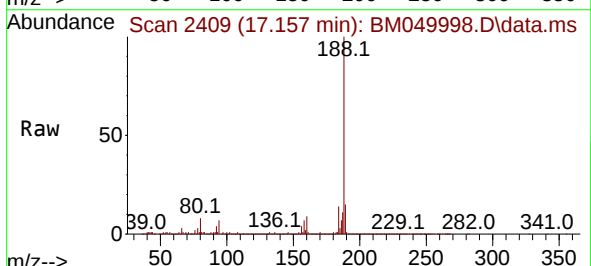
Tgt Ion:188 Resp: 1345689

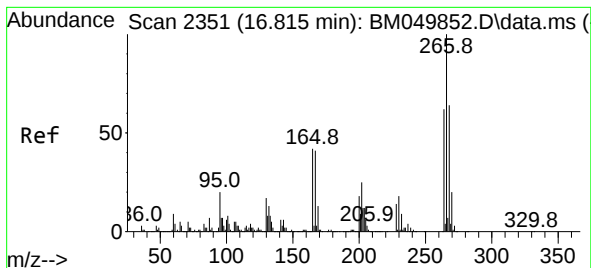
Ion Ratio Lower Upper

188 100

94 7.1 5.8 8.6

80 7.7 6.4 9.6





#70

Pentachlorophenol

Concen: 3.961 ng

RT: 16.821 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM049998.D

Acq: 22 Apr 2025 16:28

Instrument :

BNA_M

ClientSampleId :

ETGI-275

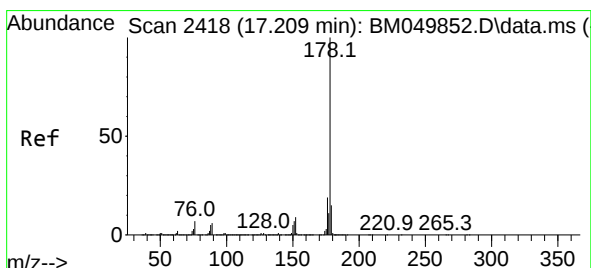
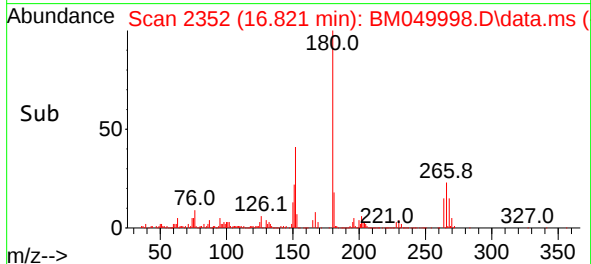
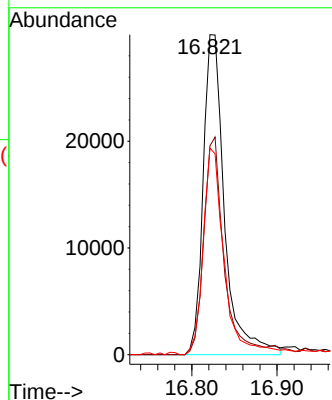
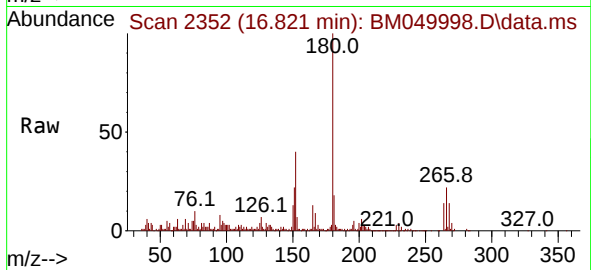
Tgt Ion:266 Resp: 52254

Ion Ratio Lower Upper

266 100

268 65.3 51.4 77.2

264 64.5 49.8 74.8



#71

Phenanthrene

Concen: 44.043 ng

RT: 17.204 min Scan# 2417

Delta R.T. -0.006 min

Lab File: BM049998.D

Acq: 22 Apr 2025 16:28

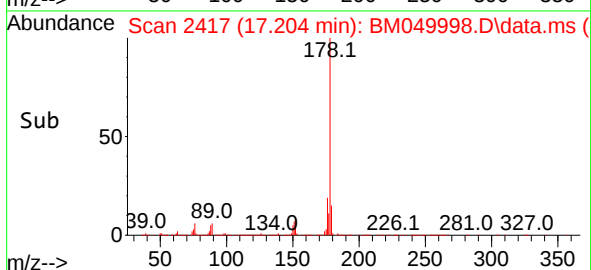
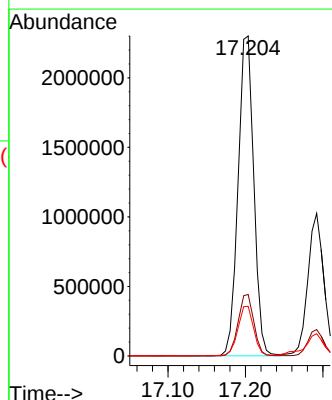
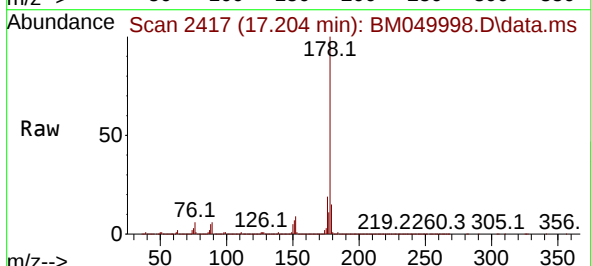
Tgt Ion:178 Resp: 3249297

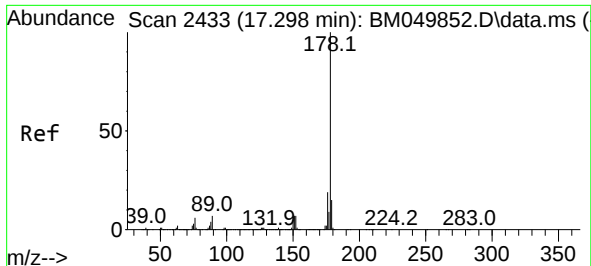
Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 15.5 12.3 18.5

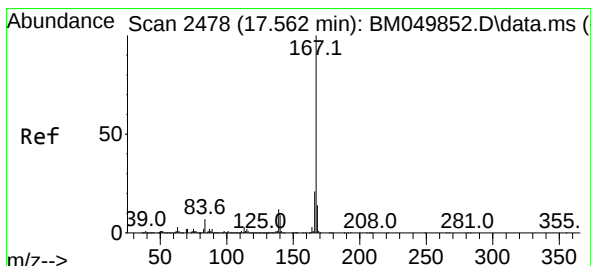
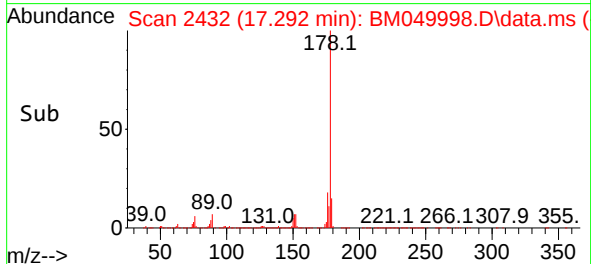
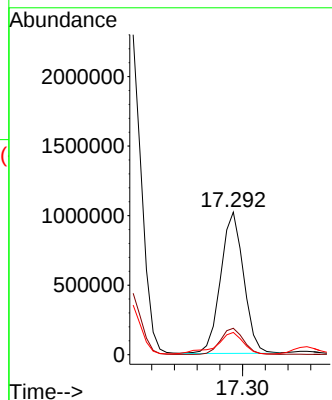
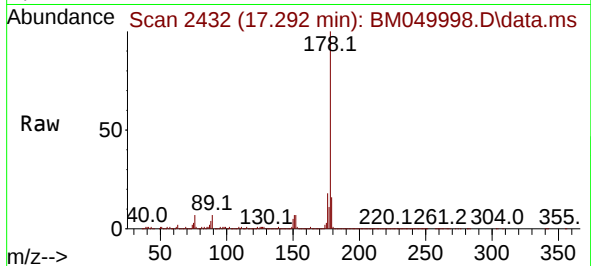




#72
 Anthracene
 Concen: 19.638 ng
 RT: 17.292 min Scan# 2433
 Delta R.T. -0.006 min
 Lab File: BM049998.D
 Acq: 22 Apr 2025 16:28

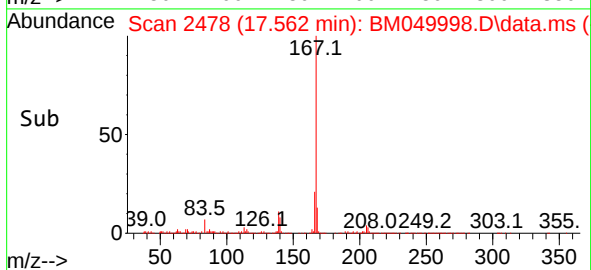
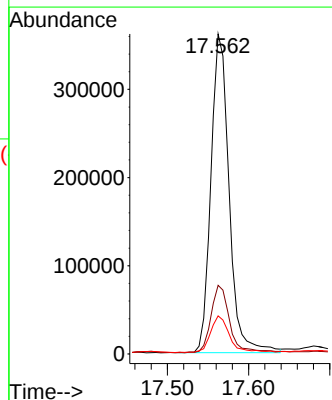
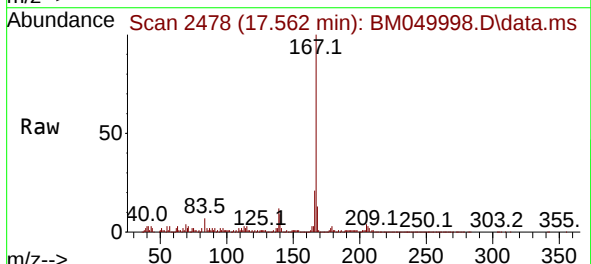
Instrument :
 BNA_M
 ClientSampleId :
 ETGI-275

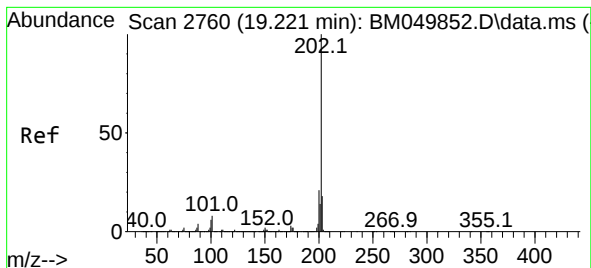
Tgt Ion:178 Resp: 1427766
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.1 22.7
 179 15.6 12.4 18.6



#73
 Carbazole
 Concen: 8.214 ng
 RT: 17.562 min Scan# 2478
 Delta R.T. 0.000 min
 Lab File: BM049998.D
 Acq: 22 Apr 2025 16:28

Tgt Ion:167 Resp: 562478
 Ion Ratio Lower Upper
 167 100
 166 21.5 16.9 25.3
 139 11.9 9.3 13.9





#75

Fluoranthene

Concen: 112.985 ng

RT: 19.221 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM049998.D

Acq: 22 Apr 2025 16:28

Instrument :

BNA_M

ClientSampleId :

ETGI-275

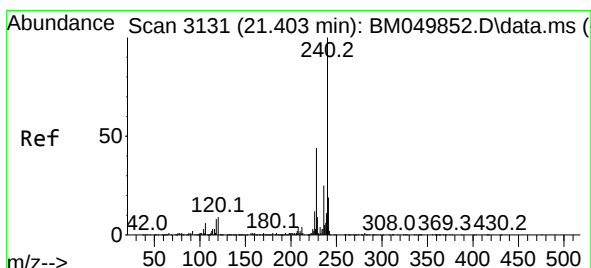
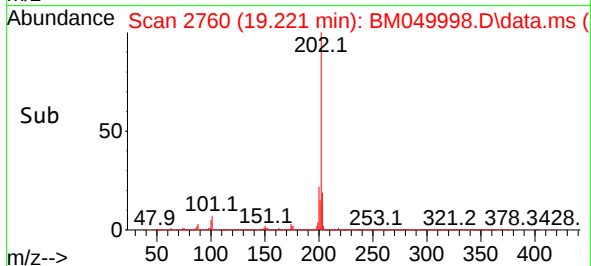
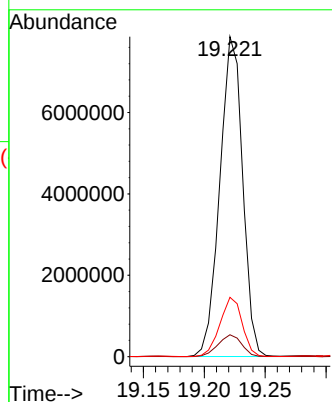
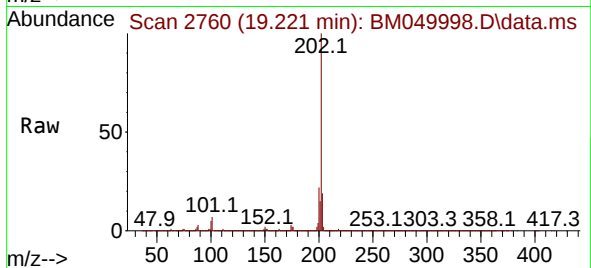
Tgt Ion:202 Resp:10248922

Ion Ratio Lower Upper

202 100

101 6.9 0.0 28.4

203 18.6 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: BM049998.D

Acq: 22 Apr 2025 16:28

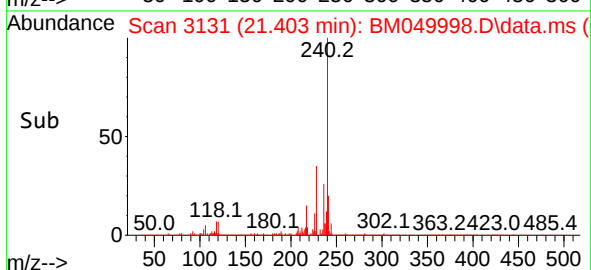
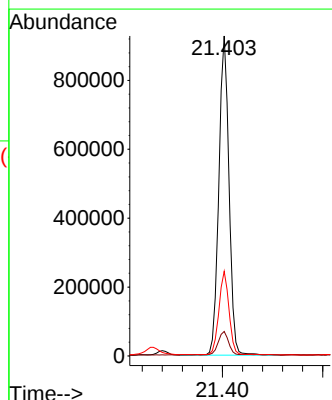
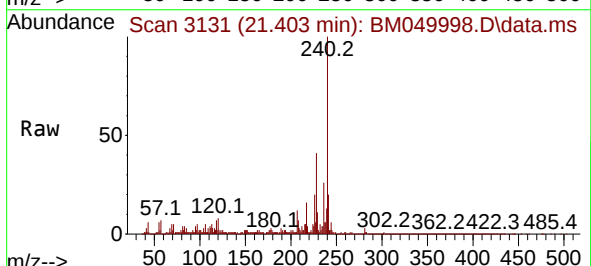
Tgt Ion:240 Resp: 1303838

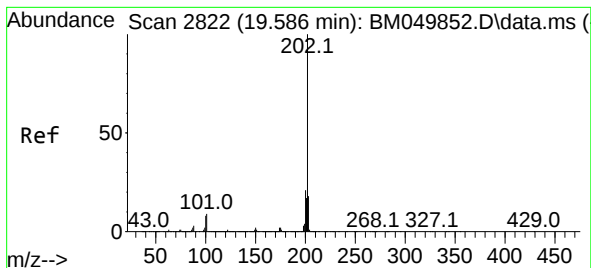
Ion Ratio Lower Upper

240 100

120 7.7 6.9 10.3

236 26.4 20.4 30.6





#78

Pyrene

Concen: 103.433 ng

RT: 19.586 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM049998.D

Acq: 22 Apr 2025 16:28

Instrument :

BNA_M

ClientSampleId :

ETGI-275

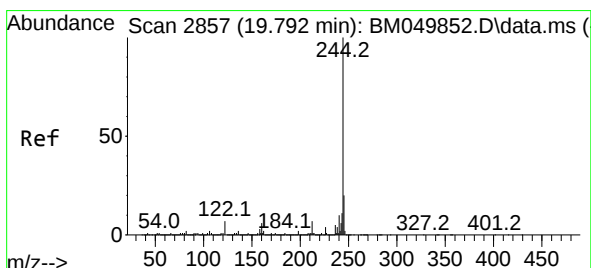
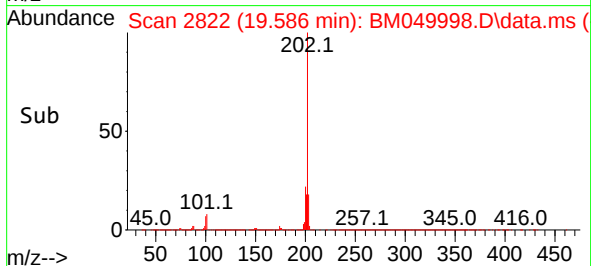
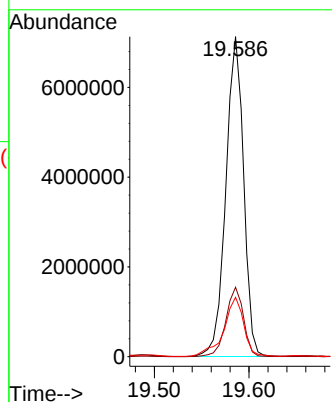
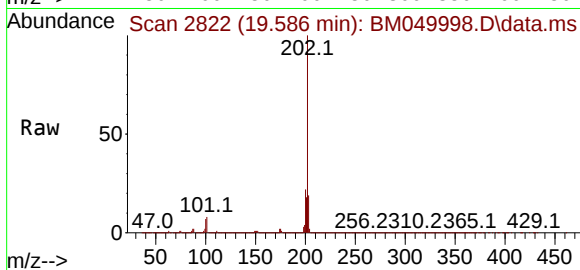
Tgt Ion:202 Resp: 9294329

Ion Ratio Lower Upper

202 100

200 21.7 16.5 24.7

203 18.6 14.0 21.0



#79

Terphenyl-d14

Concen: 27.707 ng

RT: 19.786 min Scan# 2856

Delta R.T. -0.006 min

Lab File: BM049998.D

Acq: 22 Apr 2025 16:28

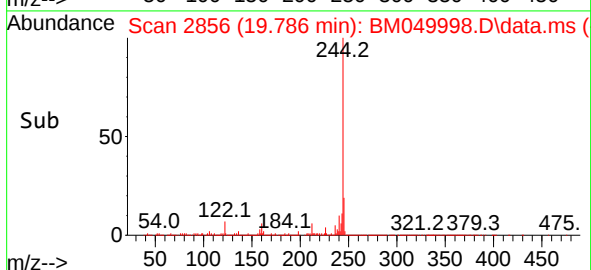
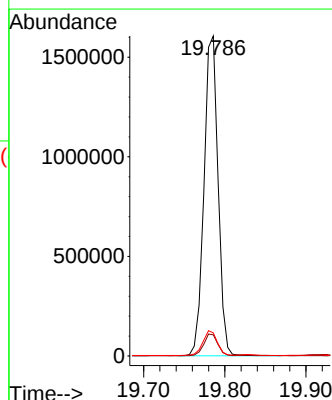
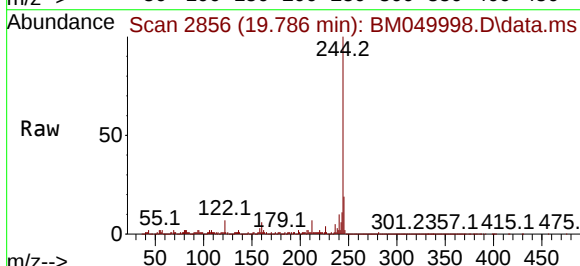
Tgt Ion:244 Resp: 1927644

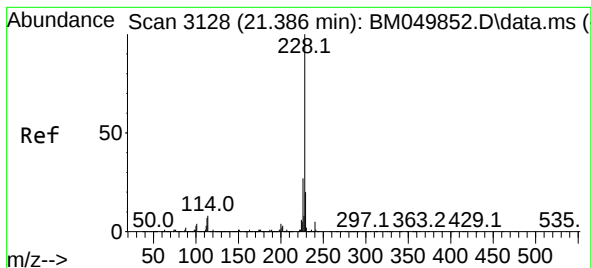
Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

122 7.2 5.4 8.0





#81

Benzo(a)anthracene

Concen: 29.157 ng

RT: 21.386 min Scan# 3128

Delta R.T. 0.000 min

Lab File: BM049998.D

Acq: 22 Apr 2025 16:28

Instrument :

BNA_M

ClientSampleId :

ETGI-275

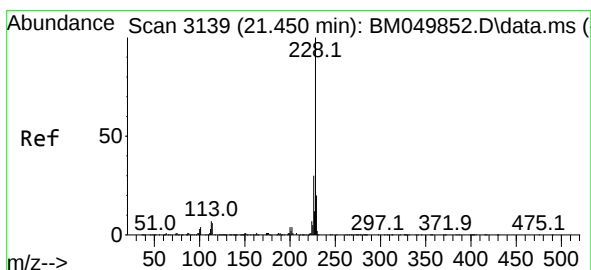
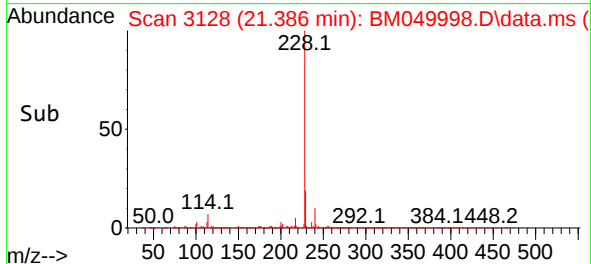
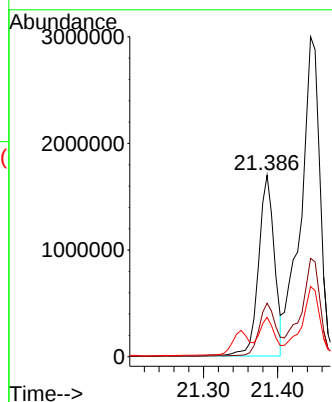
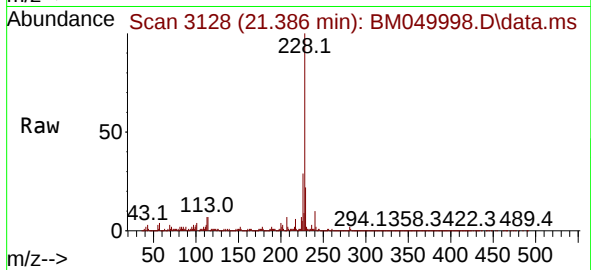
Tgt Ion:228 Resp: 2526526

Ion Ratio Lower Upper

228 100

226 29.5 21.8 32.8

229 21.7 15.8 23.8



#83

Chrysene

Concen: 64.979 ng

RT: 21.445 min Scan# 3138

Delta R.T. -0.006 min

Lab File: BM049998.D

Acq: 22 Apr 2025 16:28

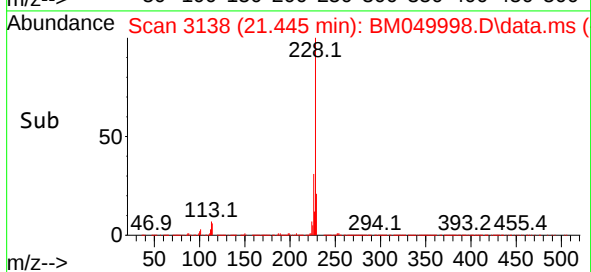
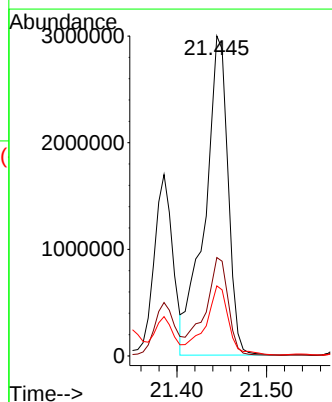
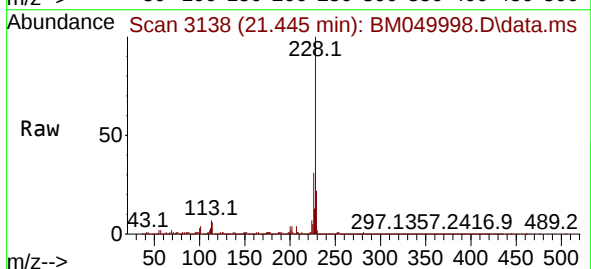
Tgt Ion:228 Resp: 5353084

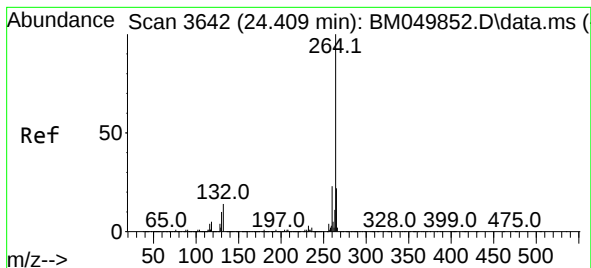
Ion Ratio Lower Upper

228 100

226 30.7 24.1 36.1

229 21.9 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.409 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM049998.D

Acq: 22 Apr 2025 16:28

Instrument :

BNA_M

ClientSampleId :

ETGI-275

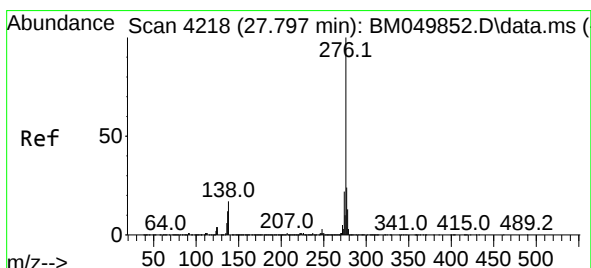
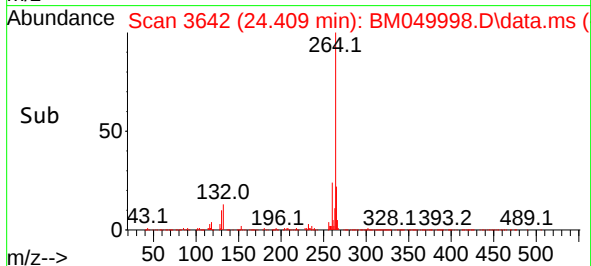
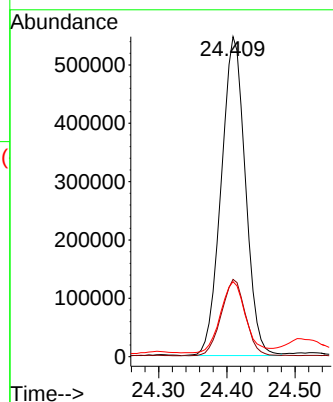
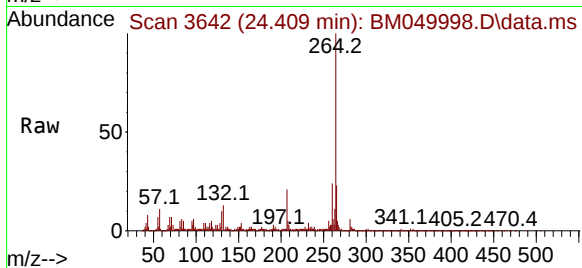
Tgt Ion:264 Resp: 1347688

Ion Ratio Lower Upper

264 100

260 24.2 18.6 28.0

265 23.5 17.8 26.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.932 ng

RT: 27.803 min Scan# 4219

Delta R.T. 0.006 min

Lab File: BM049998.D

Acq: 22 Apr 2025 16:28

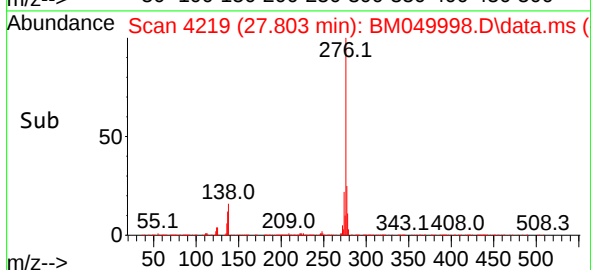
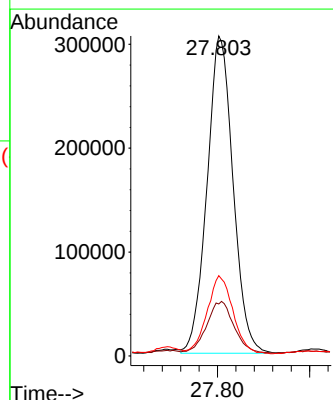
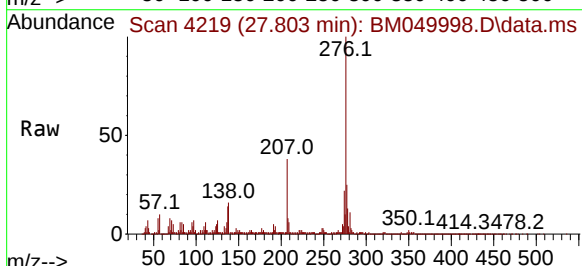
Tgt Ion:276 Resp: 1198649

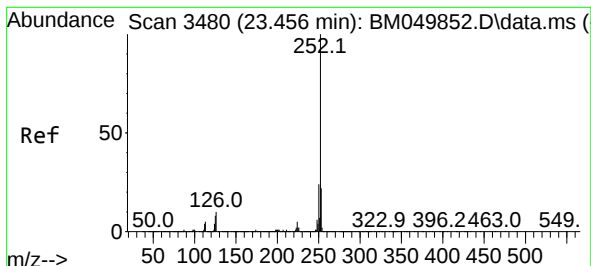
Ion Ratio Lower Upper

276 100

138 17.2 16.8 25.2

277 24.5 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 57.592 ng

RT: 23.468 min Scan# 3480

Delta R.T. 0.012 min

Lab File: BM049998.D

Acq: 22 Apr 2025 16:28

Instrument :

BNA_M

ClientSampleId :

ETGI-275

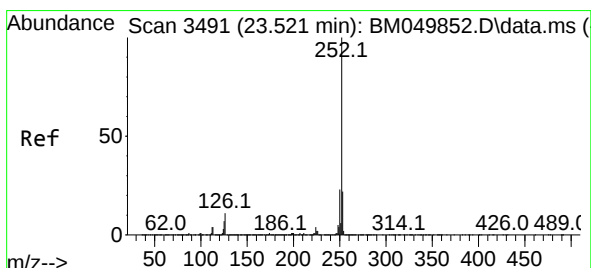
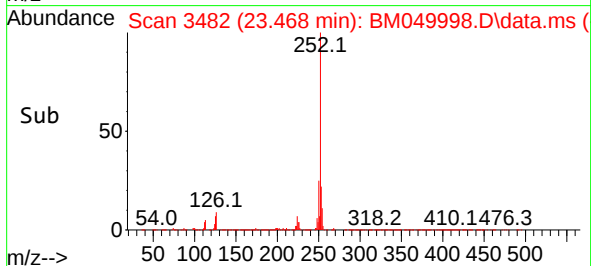
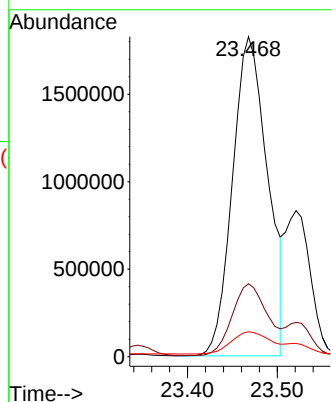
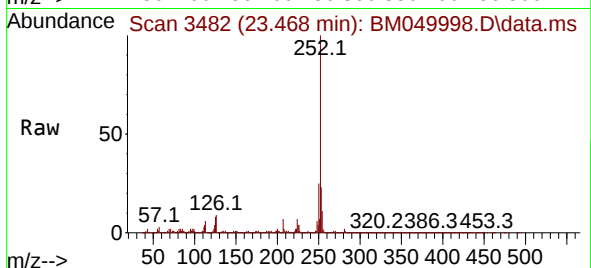
Tgt Ion:252 Resp: 4957044

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 7.8 6.2 9.4



#89

Benzo(k)fluoranthene

Concen: 59.430 ng

RT: 23.468 min Scan# 3482

Delta R.T. -0.053 min

Lab File: BM049998.D

Acq: 22 Apr 2025 16:28

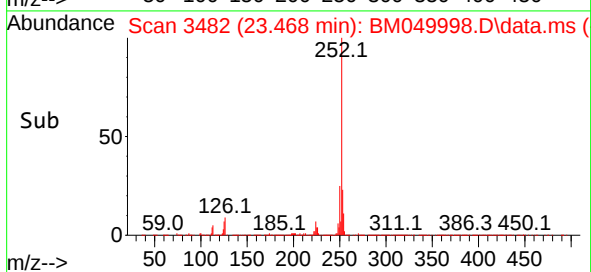
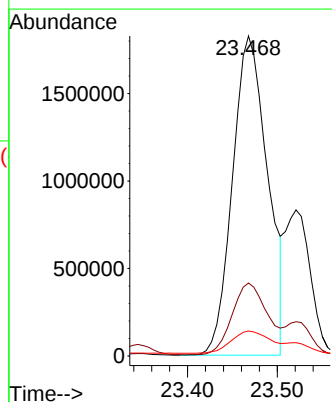
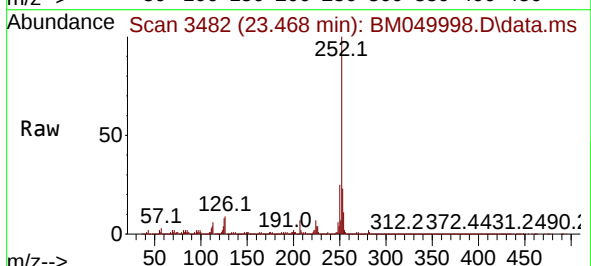
Tgt Ion:252 Resp: 4957044

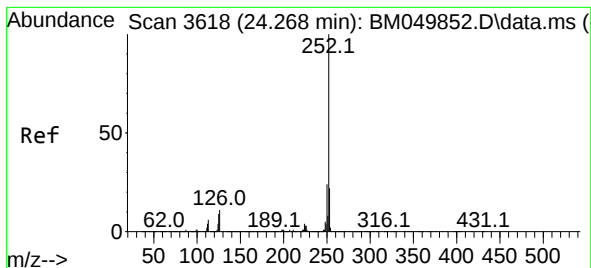
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

125 7.8 5.8 8.8





#90

Benzo(a)pyrene

Concen: 21.221 ng

RT: 24.268 min Scan# 30

Delta R.T. 0.000 min

Lab File: BM049998.D

Acq: 22 Apr 2025 16:28

Instrument :

BNA_M

ClientSampleId :

ETGI-275

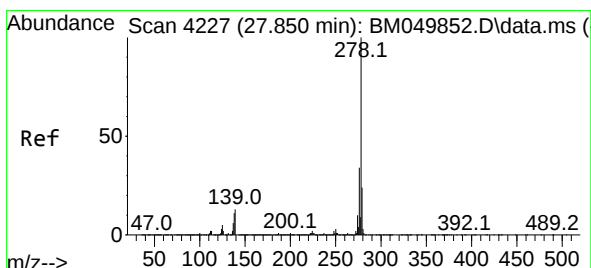
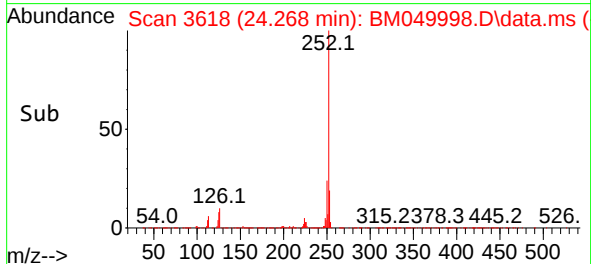
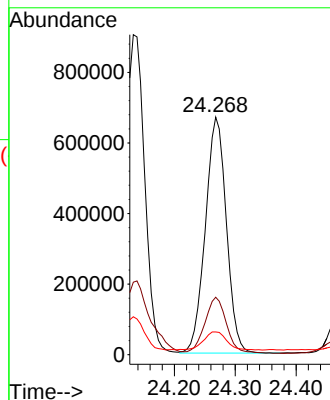
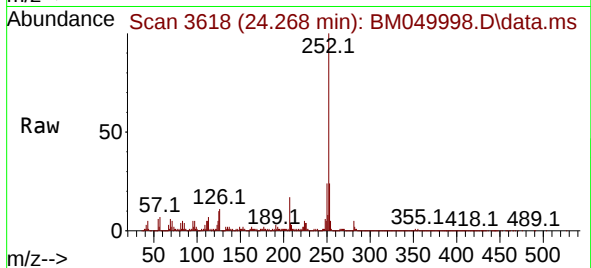
Tgt Ion:252 Resp: 1605043

Ion Ratio Lower Upper

252 100

253 24.2 17.8 26.8

125 9.6 7.0 10.4



#91

Dibenzo(a,h)anthracene

Concen: 3.567 ng

RT: 27.844 min Scan# 4226

Delta R.T. -0.006 min

Lab File: BM049998.D

Acq: 22 Apr 2025 16:28

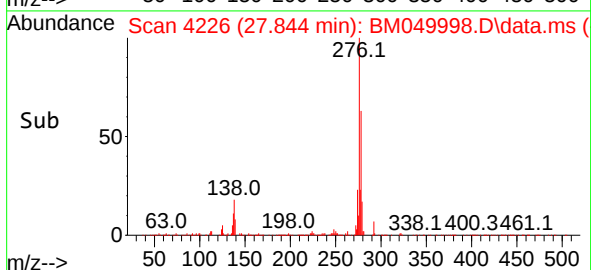
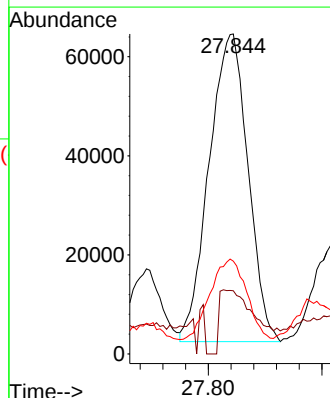
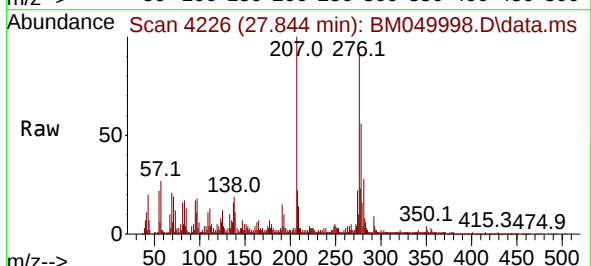
Tgt Ion:278 Resp: 295165

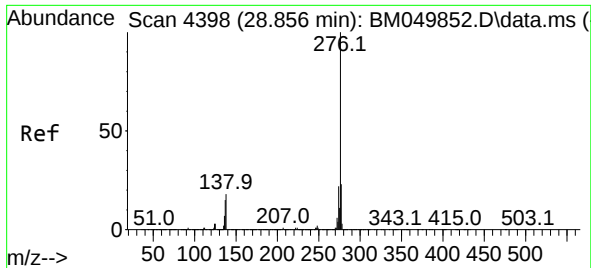
Ion Ratio Lower Upper

278 100

139 19.7 10.6 15.8#

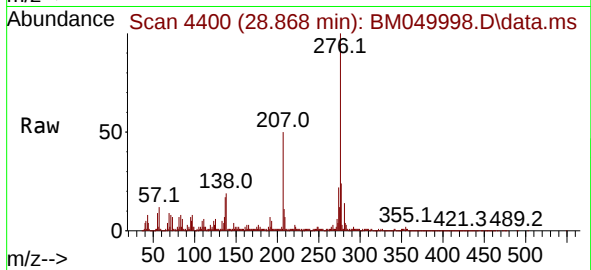
279 29.0 19.1 28.7#





#92
Benzo(g,h,i)perylene
Concen: 12.149 ng
RT: 28.868 min Scan# 44
Delta R.T. 0.012 min
Lab File: BM049998.D
Acq: 22 Apr 2025 16:28

Instrument :
BNA_M
ClientSampleId :
ETGI-275



Tgt Ion:276 Resp: 1027280
Ion Ratio Lower Upper
276 100
277 24.4 18.7 28.1
138 19.1 14.6 21.8

