

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
 Data File : BM049993.D
 Acq On : 22 Apr 2025 13:12
 Operator : RC/JU
 Sample : Q1848-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ETGI-342

Quant Time: Apr 22 15:03:00 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)

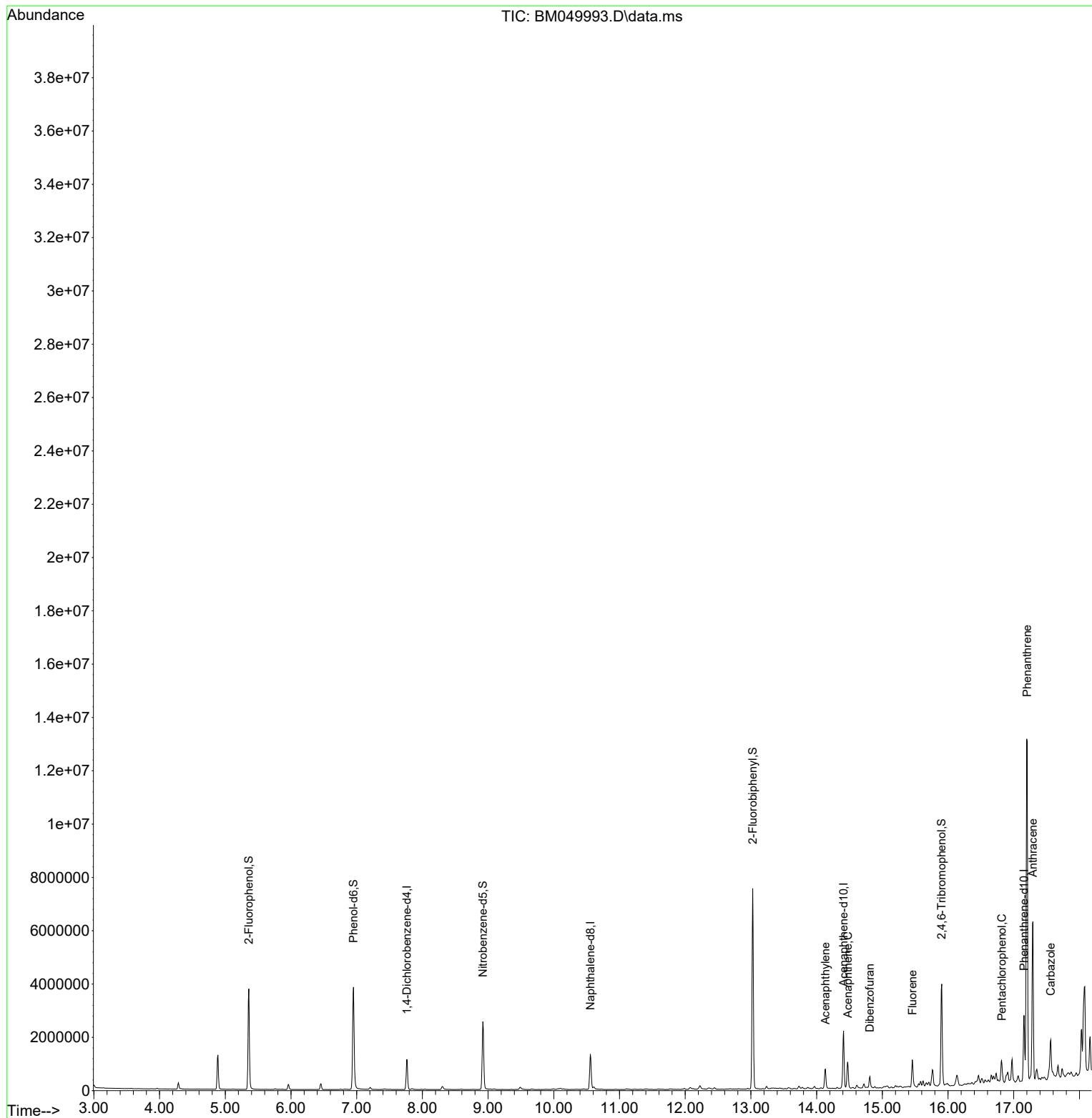
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	322232	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	1137455	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	753523	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1499911	20.000	ng	0.00
76) Chrysene-d12	21.409	240	1500199	20.000	ng	# 0.00
86) Perylene-d12	24.415	264	1526404	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1709759	90.100	ng	0.00
7) Phenol-d6	6.951	99	2416789	102.363	ng	0.00
23) Nitrobenzene-d5	8.922	82	1513798	74.109	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	747279	68.181	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	4048163	72.849	ng	-0.02
79) Terphenyl-d14	19.786	244	5936603	74.160	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.133	152	609450	9.503	ng	100
52) Acenaphthene	14.474	154	369519	9.058	ng	99
55) Dibenzofuran	14.810	168	274044	4.019	ng	98
58) Fluorene	15.457	166	465728	8.592	ng	98
70) Pentachlorophenol	16.821	266	59951	4.077	ng	99
71) Phenanthrene	17.204	178	8648072	105.168	ng	99
72) Anthracene	17.292	178	3868714	47.740	ng	100
73) Carbazole	17.563	167	938838	12.300	ng	99
75) Fluoranthene	19.215	202	18057518m	178.599	ng	
78) Pyrene	19.580	202	17634631	170.563	ng	# 93
81) Benzo(a)anthracene	21.392	228	12257883	122.944	ng	96
83) Chrysene	21.456	228	13771593	145.288	ng	95
87) Indeno(1,2,3-cd)pyrene	27.832	276	5046401	44.352	ng	# 95
88) Benzo(b)fluoranthene	23.486	252	16279368	166.992	ng	97
89) Benzo(k)fluoranthene	23.533	252	4912154	51.997	ng	97
90) Benzo(a)pyrene	24.286	252	8248705	96.292	ng	96
91) Dibenzo(a,h)anthracene	27.856	278	1438567	15.350	ng	94
92) Benzo(g,h,i)perylene	28.891	276	4177394	43.620	ng	97

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

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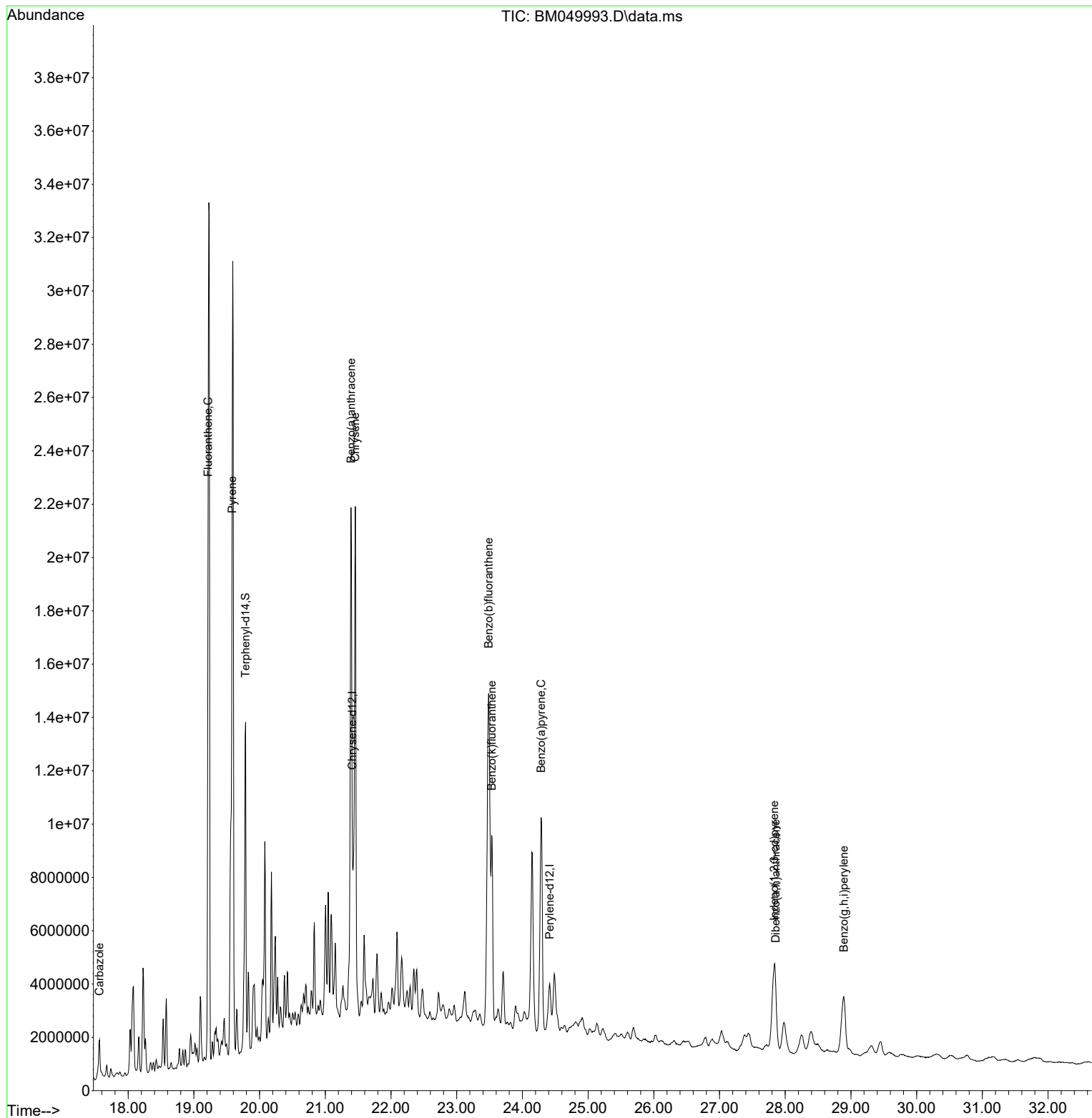
Quant Time: Apr 22 15:03:00 2025
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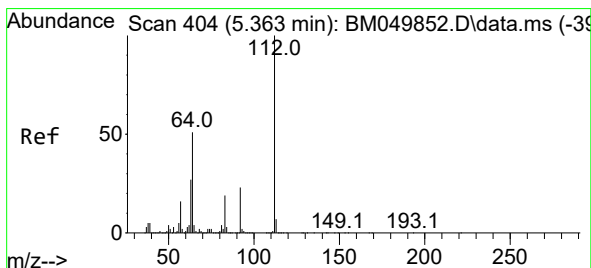
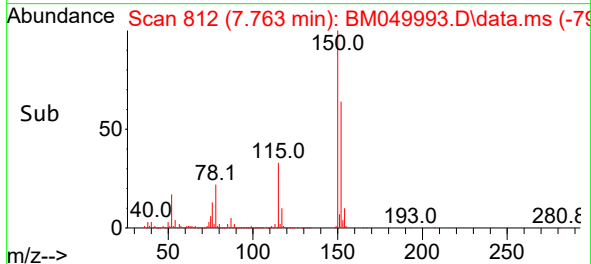
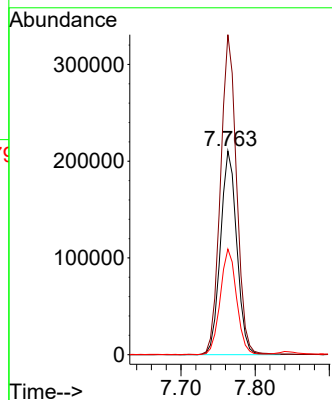
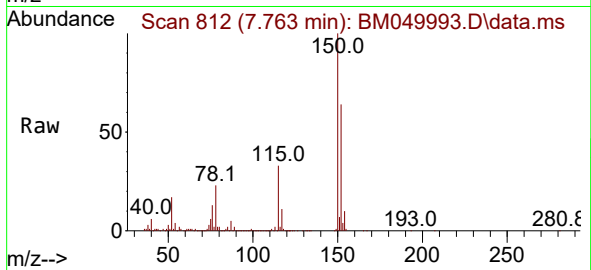




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM049993.D
Acq: 22 Apr 2025 13:12

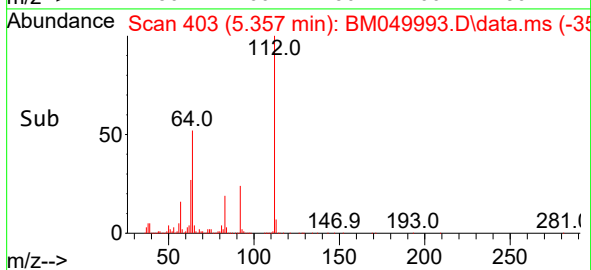
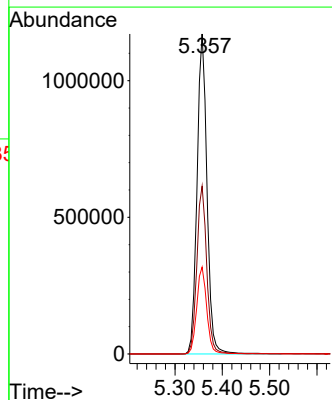
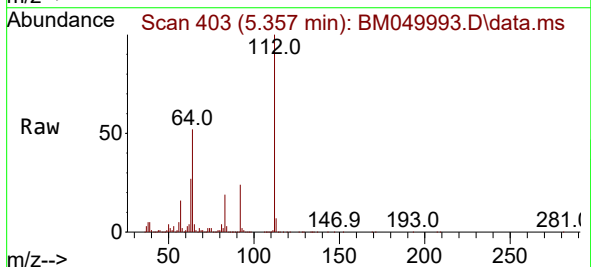
Instrument :
BNA_M
ClientSampleId :
ETGI-342

Tgt Ion:152 Resp: 322232
Ion Ratio Lower Upper
152 100
150 157.2 124.3 186.5
115 51.9 41.1 61.7



#5
2-Fluorophenol
Concen: 90.100 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049993.D
Acq: 22 Apr 2025 13:12

Tgt Ion:112 Resp: 1709759
Ion Ratio Lower Upper
112 100
64 52.4 41.0 61.6
63 27.2 21.5 32.3

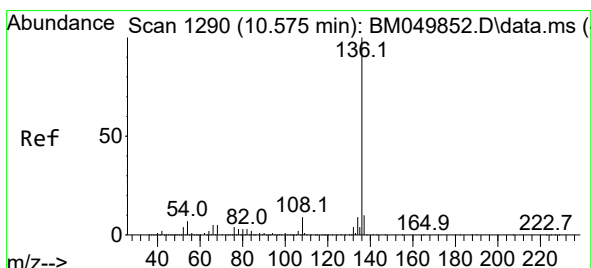
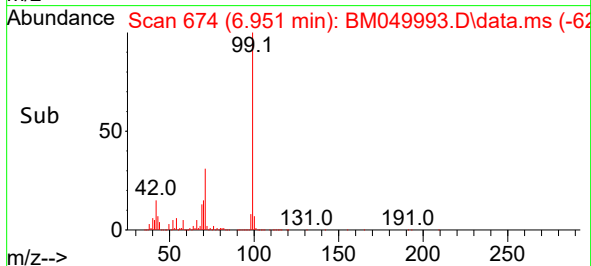
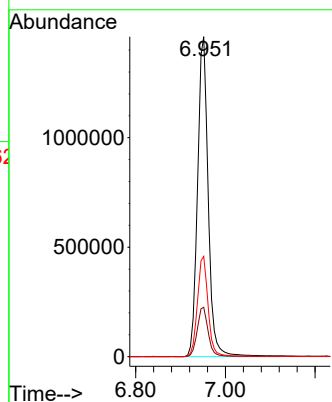
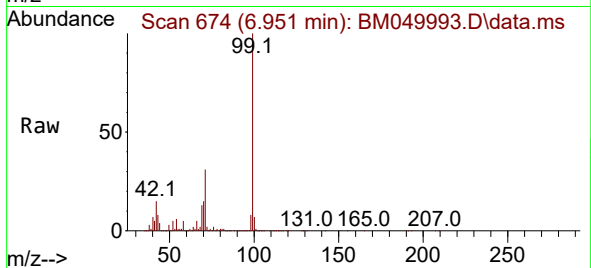




#7
Phenol-d6
Concen: 102.363 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049993.D
Acq: 22 Apr 2025 13:12

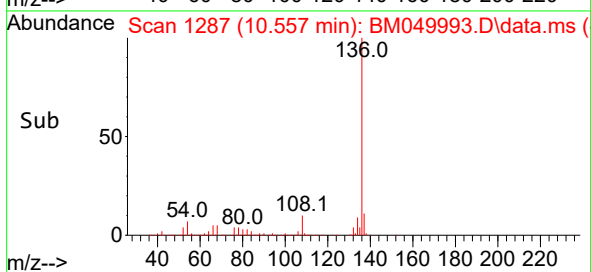
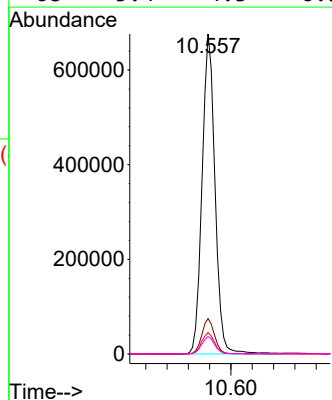
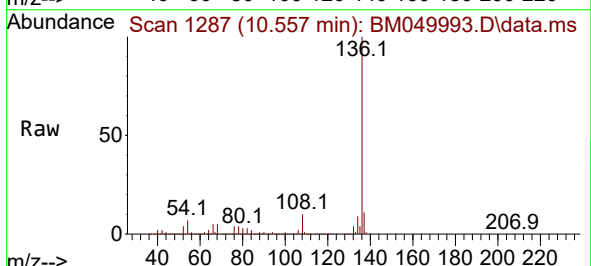
Instrument :
BNA_M
ClientSampleId :
ETGI-342

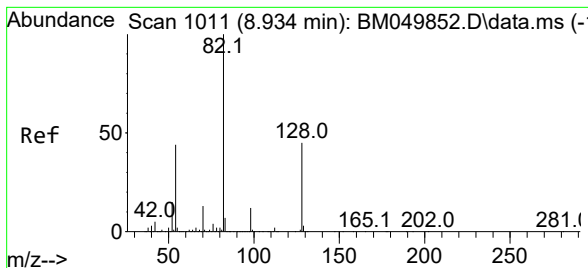
Tgt Ion: 99 Resp: 2416789
Ion Ratio Lower Upper
99 100
42 15.4 12.1 18.1
71 31.4 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM049993.D
Acq: 22 Apr 2025 13:12

Tgt Ion:136 Resp: 1137455
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 6.7 5.3 7.9
68 5.4 4.3 6.5

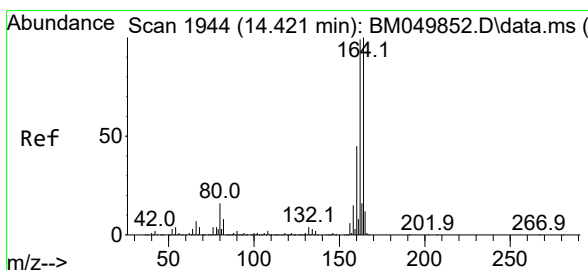
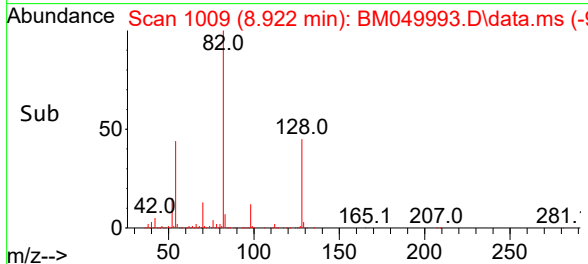
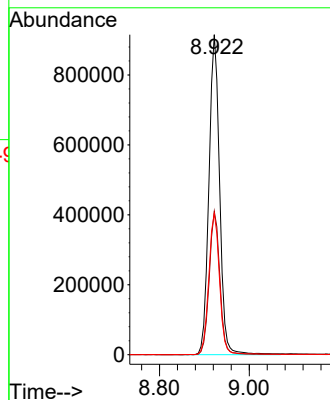
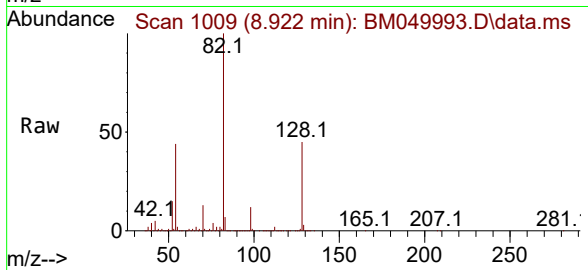




#23
Nitrobenzene-d5
Concen: 74.109 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BM049993.D
Acq: 22 Apr 2025 13:12

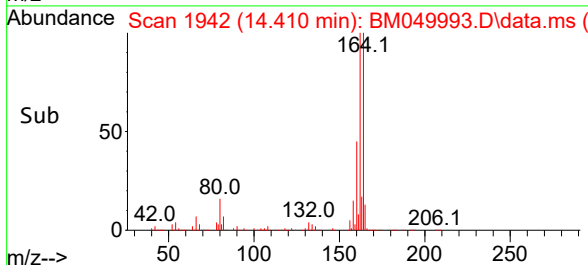
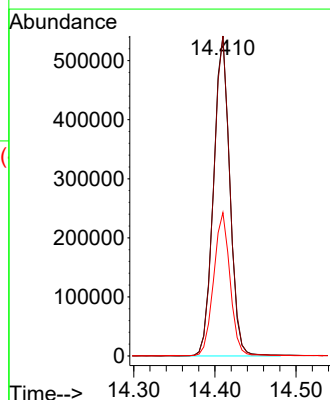
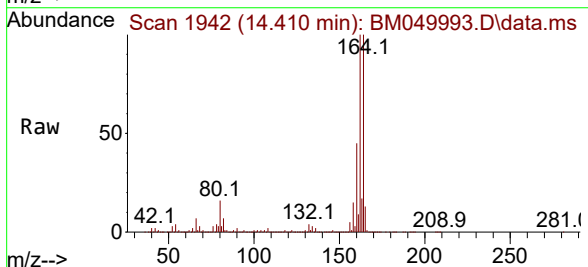
Instrument :
BNA_M
ClientSampleId :
ETGI-342

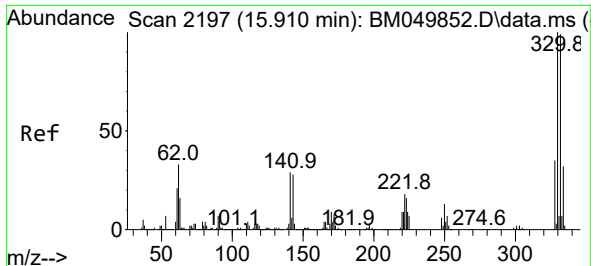
Tgt Ion: 82 Resp: 1513798
Ion Ratio Lower Upper
82 100
128 44.8 36.2 54.2
54 44.2 35.0 52.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM049993.D
Acq: 22 Apr 2025 13:12

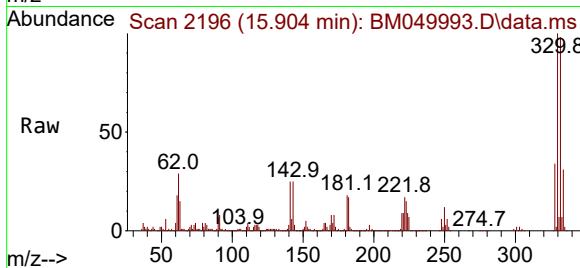
Tgt Ion:164 Resp: 753523
Ion Ratio Lower Upper
164 100
162 100.0 79.4 119.0
160 44.8 36.2 54.2



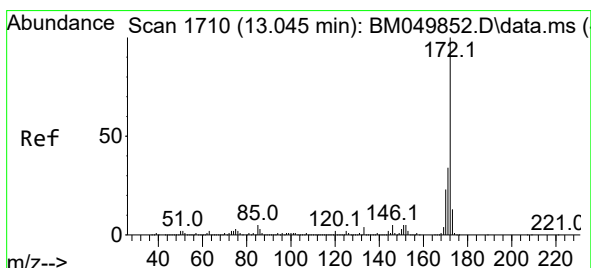
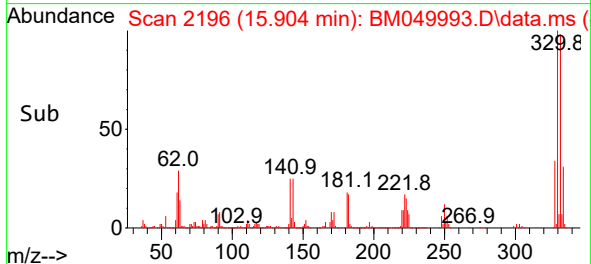
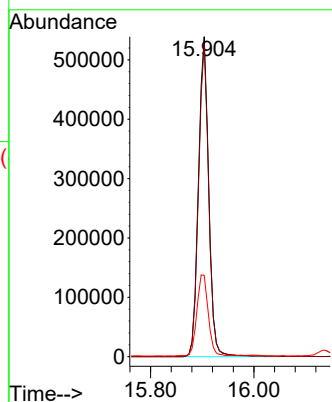


#42
2,4,6-Tribromophenol
Concen: 68.181 ng
RT: 15.904 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BM049993.D
Acq: 22 Apr 2025 13:12

Instrument :
BNA_M
ClientSampleId :
ETGI-342

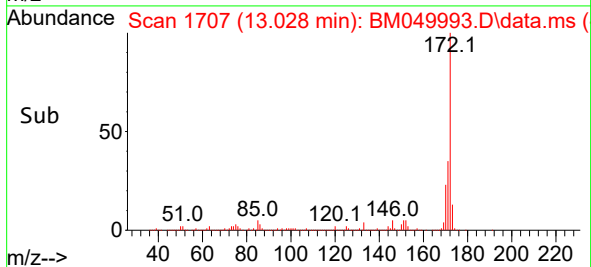
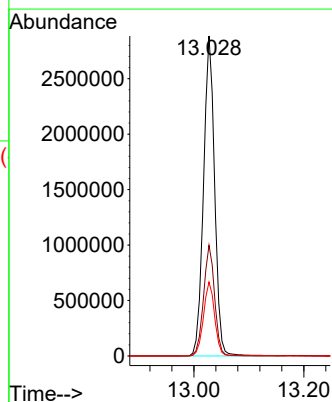
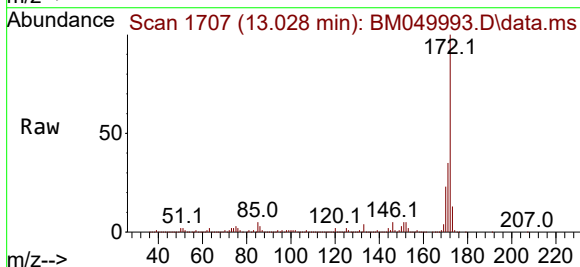


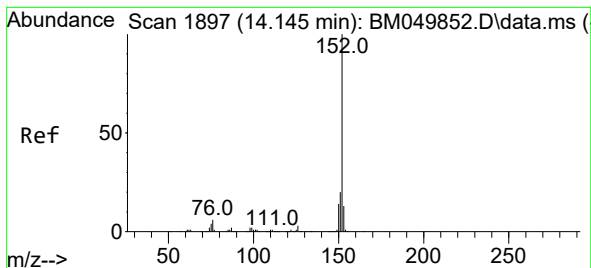
Tgt Ion:330 Resp: 747279
Ion Ratio Lower Upper
330 100
332 96.5 78.0 117.0
141 28.0 23.5 35.3



#45
2-Fluorobiphenyl
Concen: 72.849 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.018 min
Lab File: BM049993.D
Acq: 22 Apr 2025 13:12

Tgt Ion:172 Resp: 4048163
Ion Ratio Lower Upper
172 100
171 34.6 27.4 41.2
170 23.1 18.6 28.0





#49

Acenaphthylene

Concen: 9.503 ng

RT: 14.133 min Scan# 1895

Delta R.T. -0.012 min

Lab File: BM049993.D

Acq: 22 Apr 2025 13:12

Instrument :

BNA_M

ClientSampleId :

ETGI-342

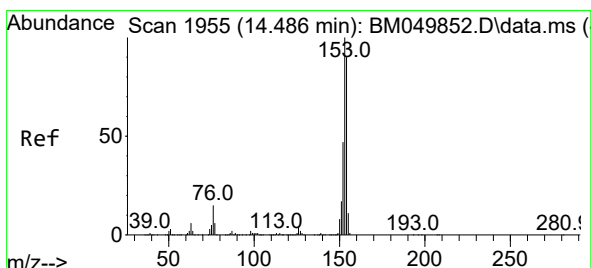
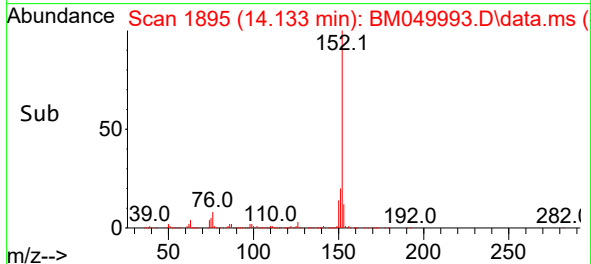
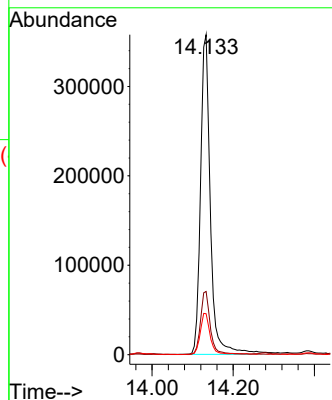
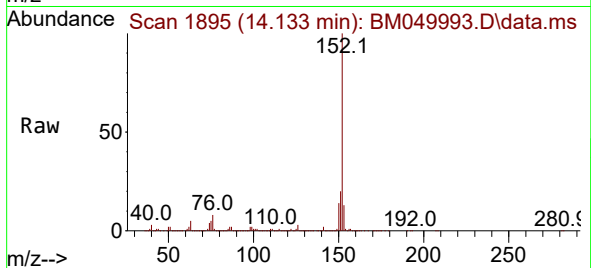
Tgt Ion:152 Resp: 609450

Ion Ratio Lower Upper

152 100

151 19.7 15.7 23.5

153 12.8 10.4 15.6



#52

Acenaphthene

Concen: 9.058 ng

RT: 14.474 min Scan# 1953

Delta R.T. -0.012 min

Lab File: BM049993.D

Acq: 22 Apr 2025 13:12

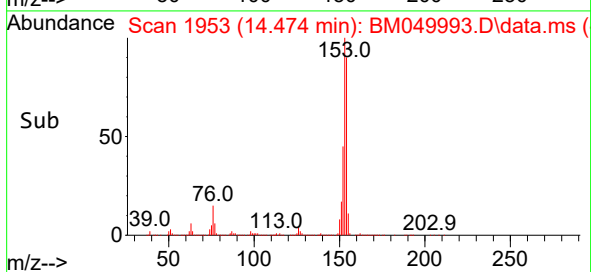
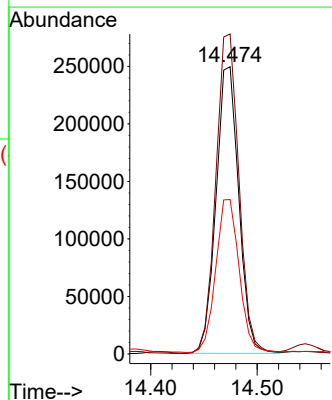
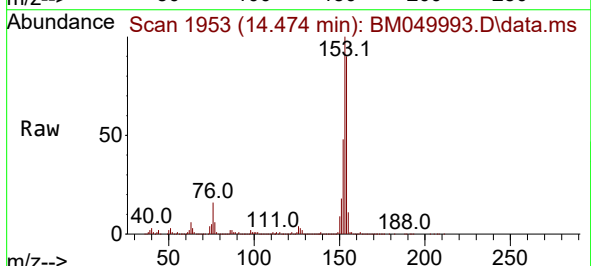
Tgt Ion:154 Resp: 369519

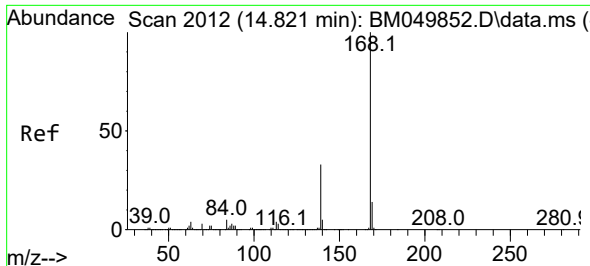
Ion Ratio Lower Upper

154 100

153 111.4 89.3 133.9

152 53.8 42.2 63.2

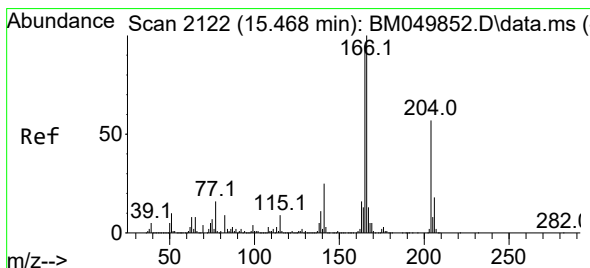
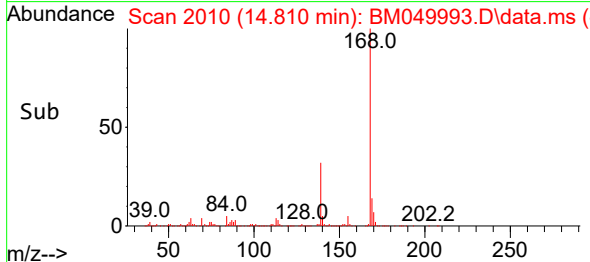
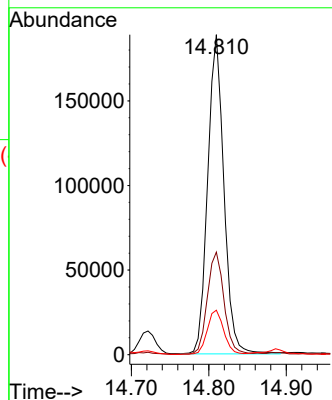
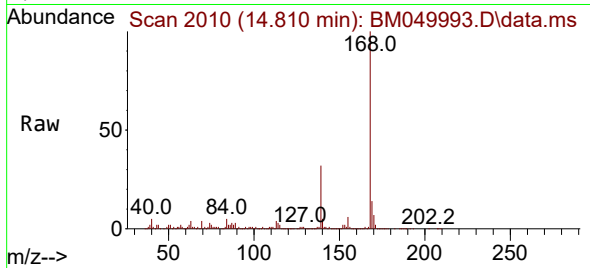




#55
Dibenzenofuran
Concen: 4.019 ng
RT: 14.810 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BM049993.D
Acq: 22 Apr 2025 13:12

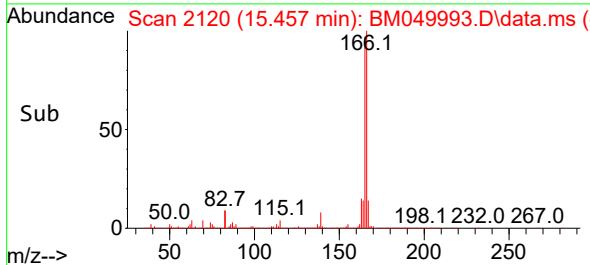
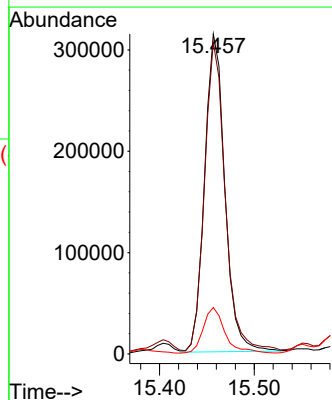
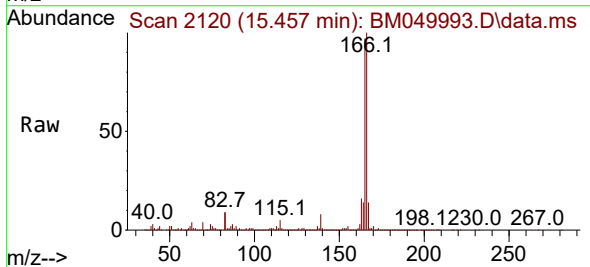
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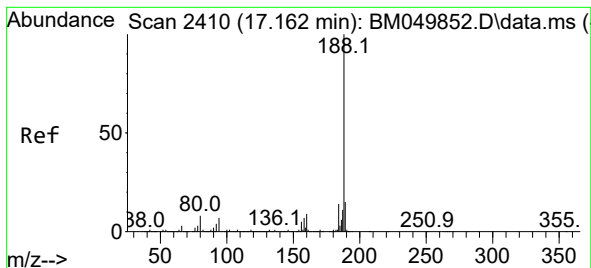
Tgt Ion:168 Resp: 274044
Ion Ratio Lower Upper
168 100
139 32.0 26.6 39.8
169 13.9 11.0 16.4



#58
Fluorene
Concen: 8.592 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.012 min
Lab File: BM049993.D
Acq: 22 Apr 2025 13:12

Tgt Ion:166 Resp: 465728
Ion Ratio Lower Upper
166 100
165 97.4 76.3 114.5
167 14.5 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2410

Delta R.T. -0.006 min

Lab File: BM049993.D

Acq: 22 Apr 2025 13:12

Instrument :

BNA_M

ClientSampleId :

ETGI-342

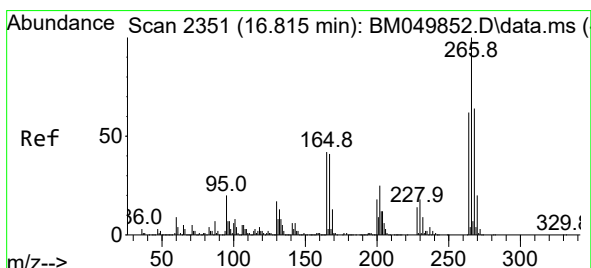
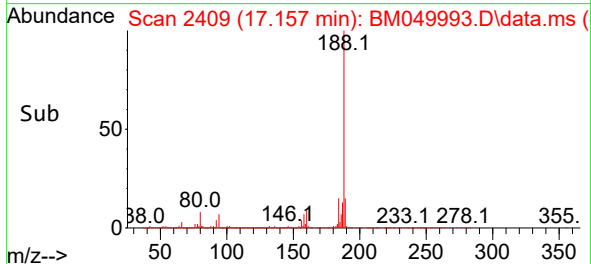
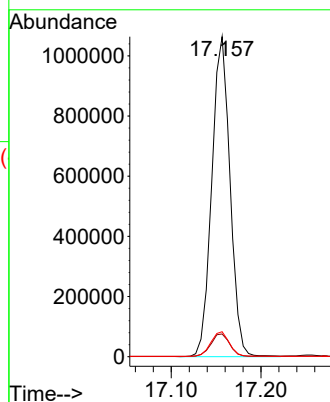
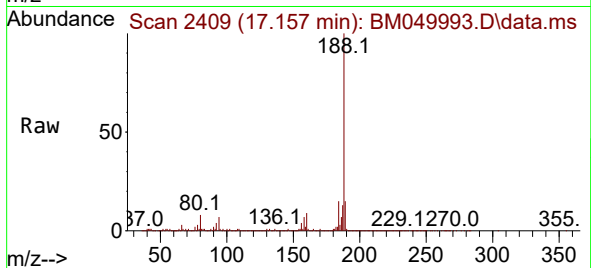
Tgt Ion:188 Resp: 1499911

Ion Ratio Lower Upper

188 100

94 7.1 5.8 8.6

80 7.8 6.4 9.6



#70

Pentachlorophenol

Concen: 4.077 ng

RT: 16.821 min Scan# 2352

Delta R.T. 0.006 min

Lab File: BM049993.D

Acq: 22 Apr 2025 13:12

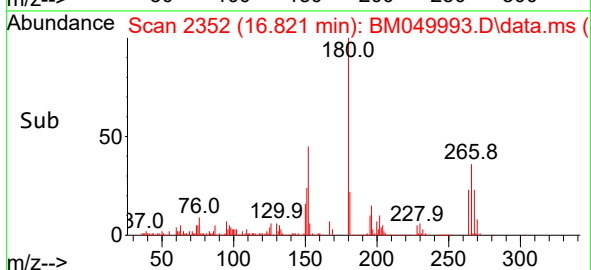
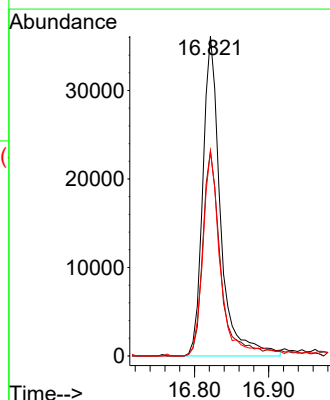
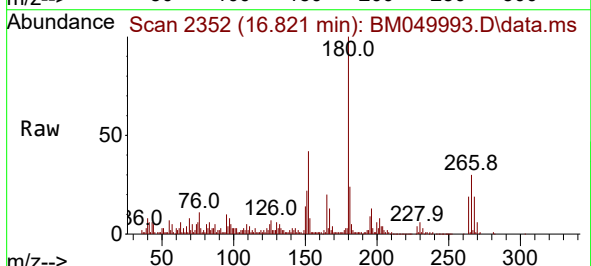
Tgt Ion:266 Resp: 59951

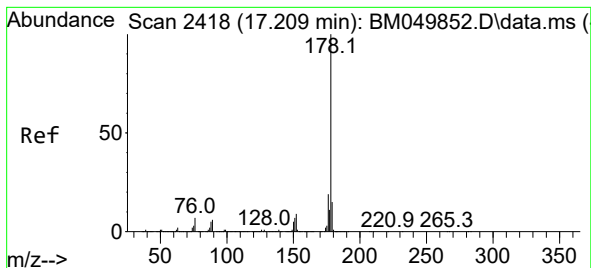
Ion Ratio Lower Upper

266 100

268 64.0 51.4 77.2

264 64.1 49.8 74.8





#71

Phenanthrene

Concen: 105.168 ng

RT: 17.204 min Scan# 2418

Delta R.T. -0.006 min

Lab File: BM049993.D

Acq: 22 Apr 2025 13:12

Instrument :

BNA_M

ClientSampleId :

ETGI-342

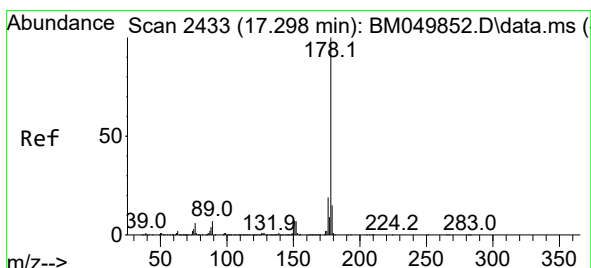
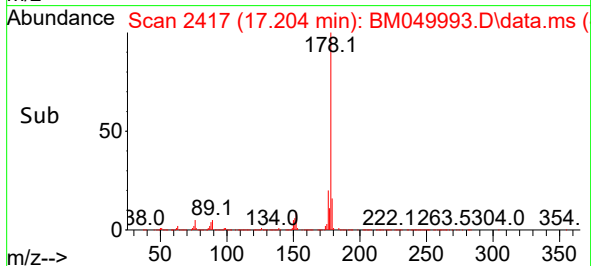
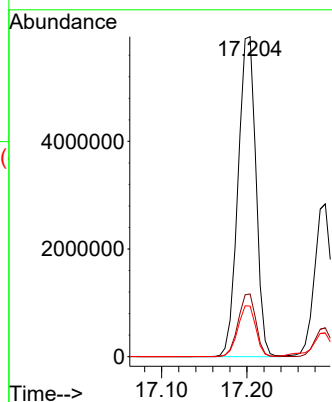
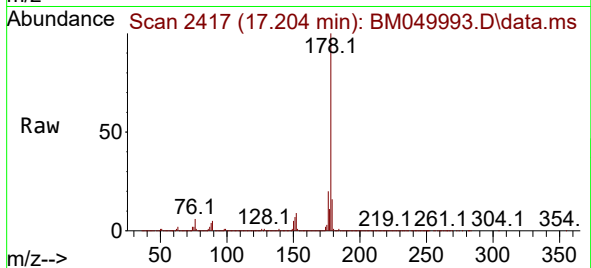
Tgt Ion:178 Resp: 8648072

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

179 15.8 12.3 18.5



#72

Anthracene

Concen: 47.740 ng

RT: 17.292 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BM049993.D

Acq: 22 Apr 2025 13:12

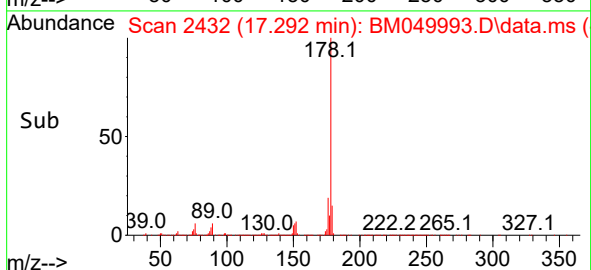
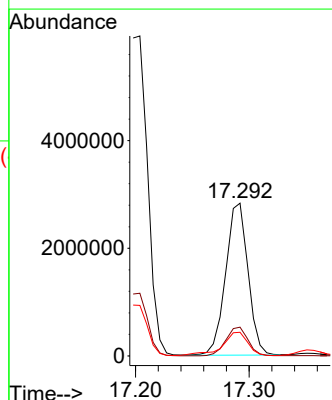
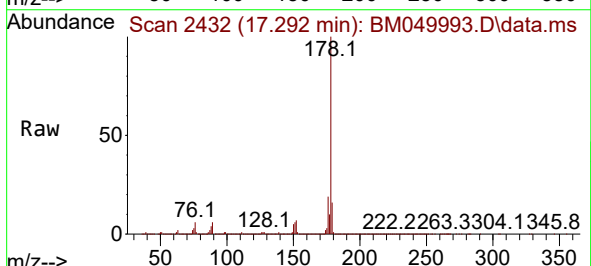
Tgt Ion:178 Resp: 3868714

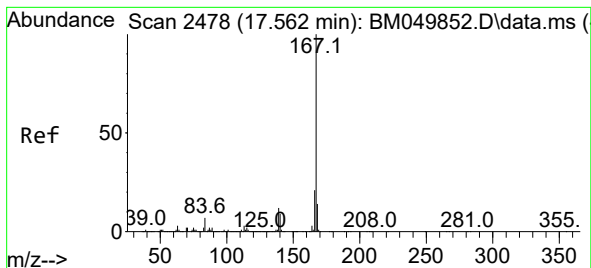
Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

179 15.5 12.4 18.6





#73

Carbazole

Concen: 12.300 ng

RT: 17.563 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM049993.D

Acq: 22 Apr 2025 13:12

Instrument :

BNA_M

ClientSampleId :

ETGI-342

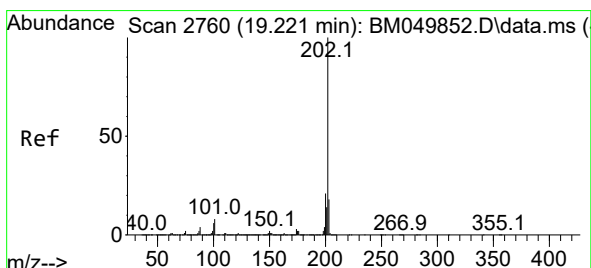
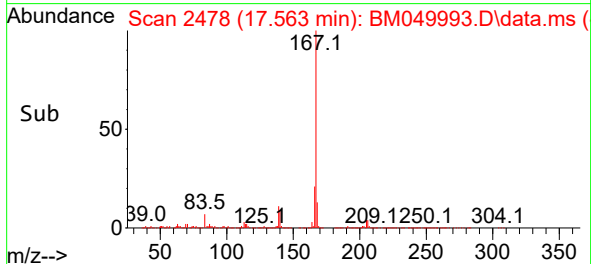
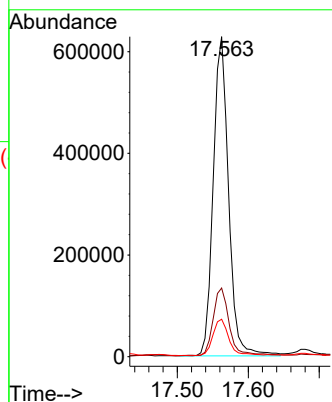
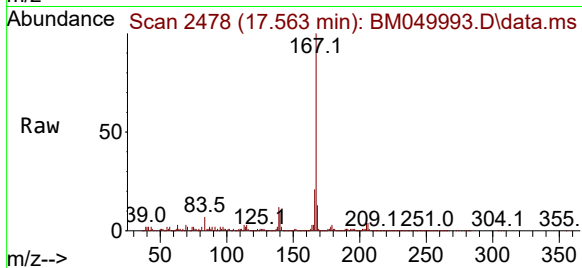
Tgt Ion:167 Resp: 938838

Ion Ratio Lower Upper

167 100

166 21.5 16.9 25.3

139 11.7 9.3 13.9



#75

Fluoranthene

Concen: 178.599 ng m

RT: 19.215 min Scan# 2759

Delta R.T. -0.006 min

Lab File: BM049993.D

Acq: 22 Apr 2025 13:12

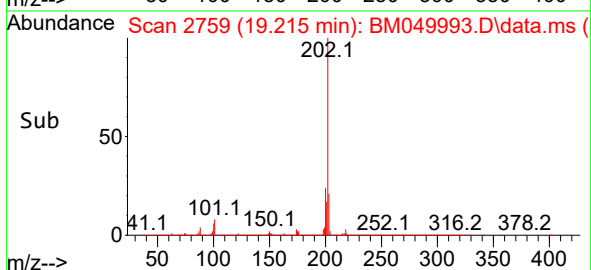
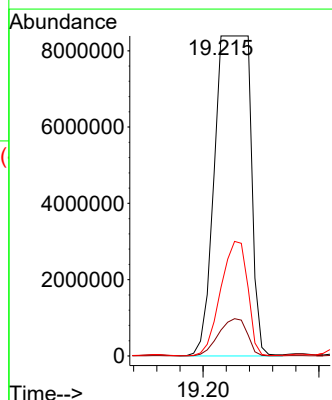
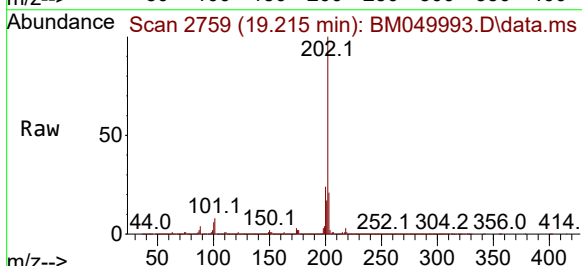
Tgt Ion:202 Resp:18057518

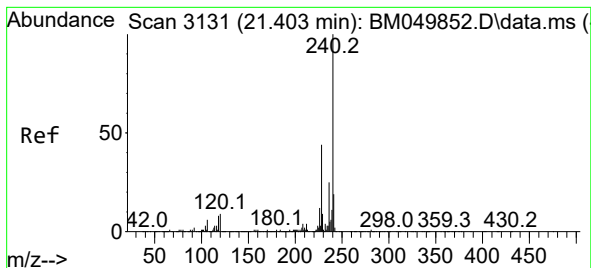
Ion Ratio Lower Upper

202 100

101 8.1 0.0 28.4

203 21.5 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.409 min Scan# 3131

Delta R.T. 0.006 min

Lab File: BM049993.D

Acq: 22 Apr 2025 13:12

Instrument :

BNA_M

ClientSampleId :

ETGI-342

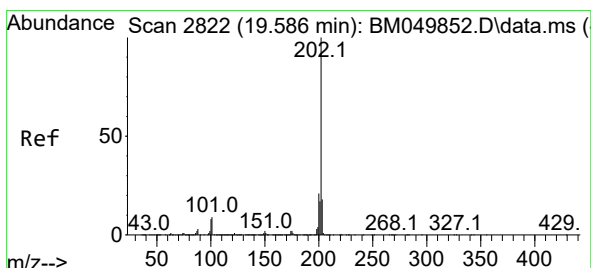
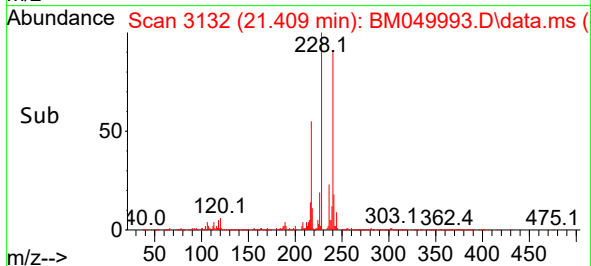
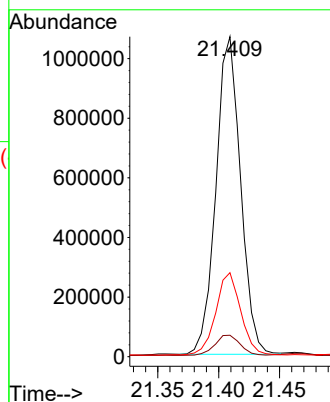
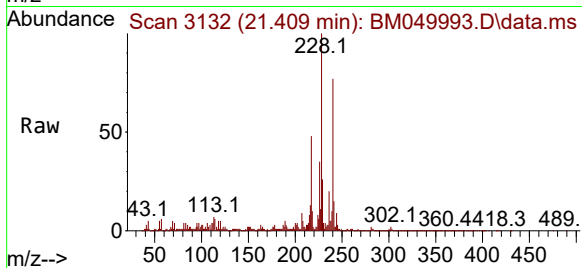
Tgt Ion:240 Resp: 1500199

Ion Ratio Lower Upper

240 100

120 6.7 6.9 10.3#

236 26.2 20.4 30.6



#78

Pyrene

Concen: 170.563 ng

RT: 19.580 min Scan# 2821

Delta R.T. -0.006 min

Lab File: BM049993.D

Acq: 22 Apr 2025 13:12

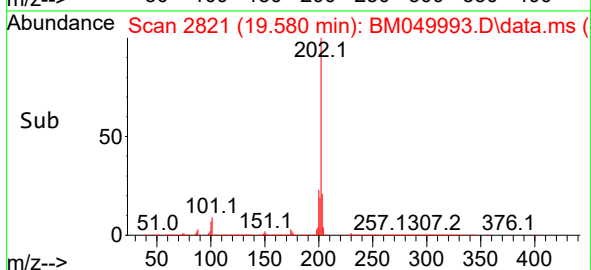
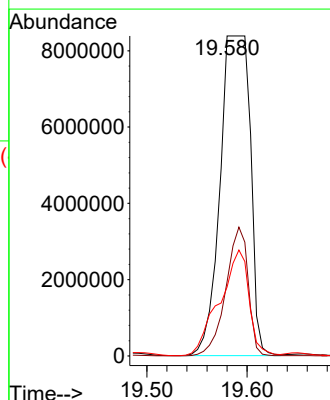
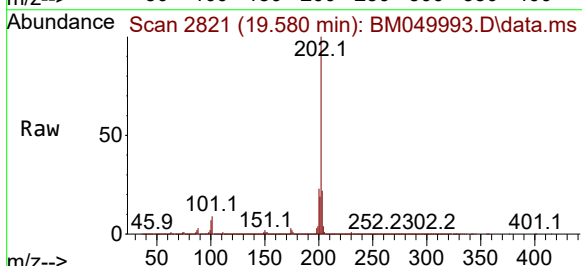
Tgt Ion:202 Resp:17634631

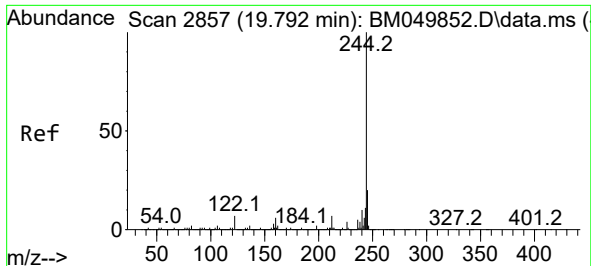
Ion Ratio Lower Upper

202 100

200 23.2 16.5 24.7

203 21.5 14.0 21.0#

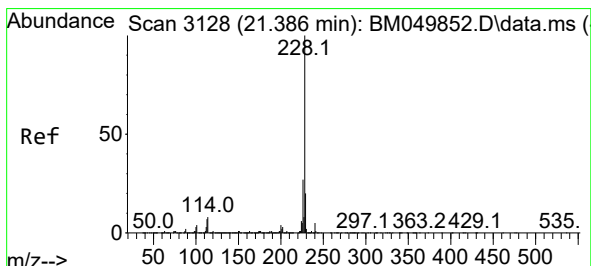
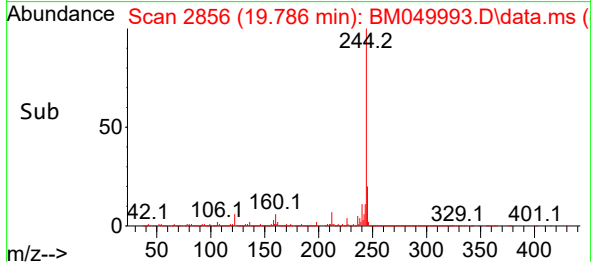
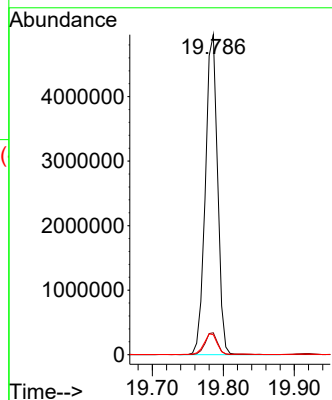
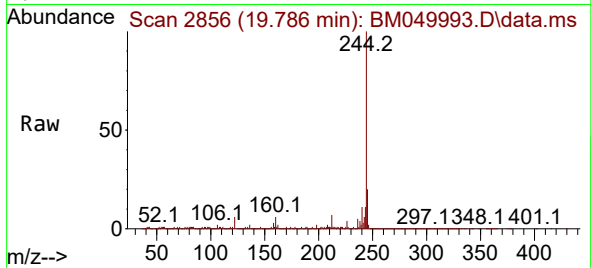




#79
Terphenyl-d14
Concen: 74.160 ng
RT: 19.786 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049993.D
Acq: 22 Apr 2025 13:12

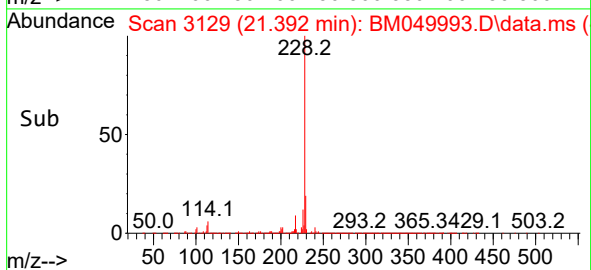
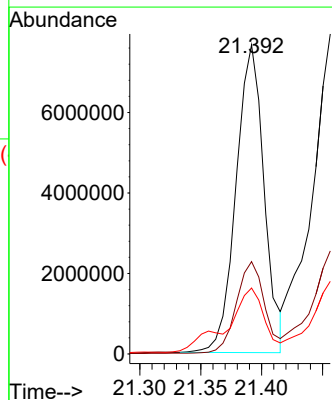
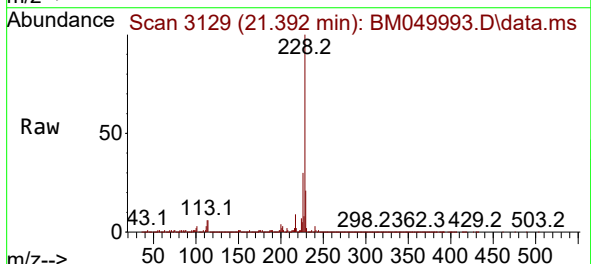
Instrument :
BNA_M
ClientSampleId :
ETGI-342

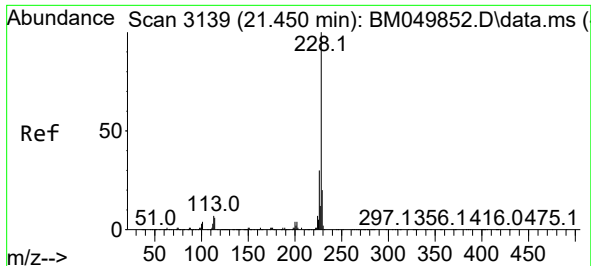
Tgt Ion:244 Resp: 5936603
Ion Ratio Lower Upper
244 100
212 6.8 5.5 8.3
122 6.2 5.4 8.0



#81
Benzo(a)anthracene
Concen: 122.944 ng
RT: 21.392 min Scan# 3129
Delta R.T. 0.006 min
Lab File: BM049993.D
Acq: 22 Apr 2025 13:12

Tgt Ion:228 Resp:12257883
Ion Ratio Lower Upper
228 100
226 29.9 21.8 32.8
229 21.3 15.8 23.8





#83

Chrysene

Concen: 145.288 ng

RT: 21.456 min Scan# 3139

Delta R.T. 0.006 min

Lab File: BM049993.D

Acq: 22 Apr 2025 13:12

Instrument :

BNA_M

ClientSampleId :

ETGI-342

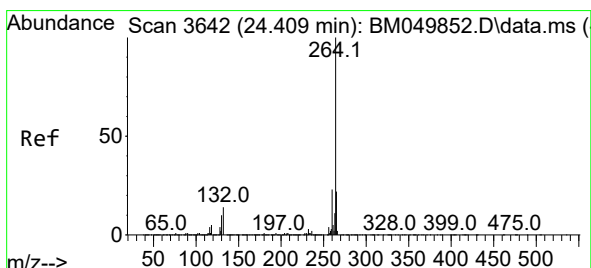
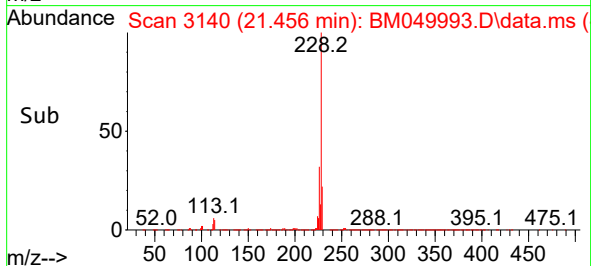
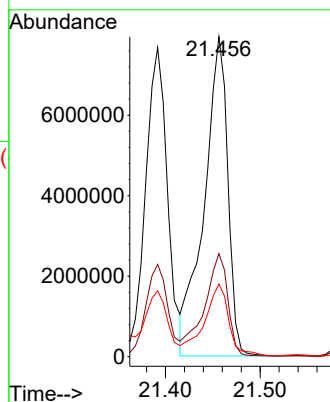
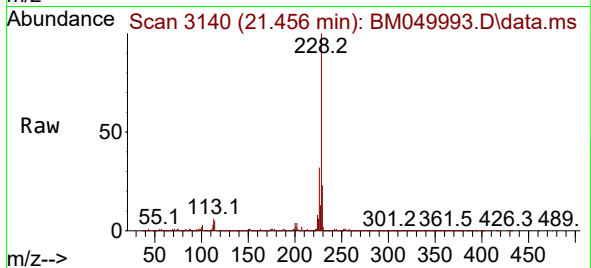
Tgt Ion:228 Resp:13771593

Ion Ratio Lower Upper

228 100

226 32.2 24.1 36.1

229 22.7 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.415 min Scan# 3643

Delta R.T. 0.006 min

Lab File: BM049993.D

Acq: 22 Apr 2025 13:12

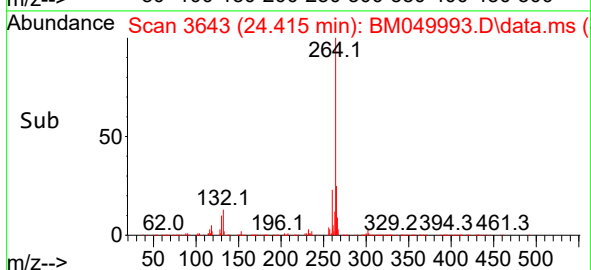
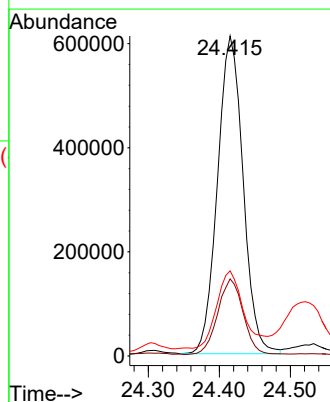
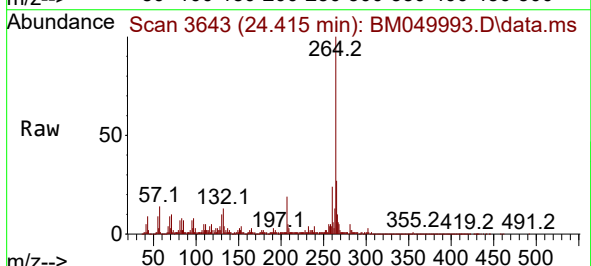
Tgt Ion:264 Resp: 1526404

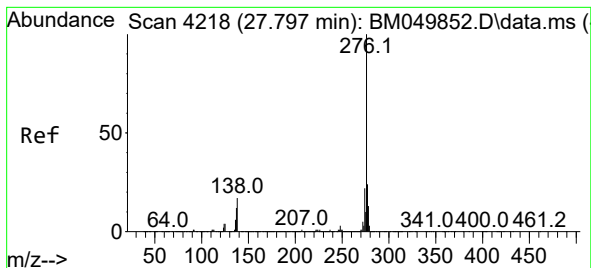
Ion Ratio Lower Upper

264 100

260 24.1 18.6 28.0

265 26.6 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.352 ng

RT: 27.832 min Scan# 41

Delta R.T. 0.035 min

Lab File: BM049993.D

Acq: 22 Apr 2025 13:12

Instrument :

BNA_M

ClientSampleId :

ETGI-342

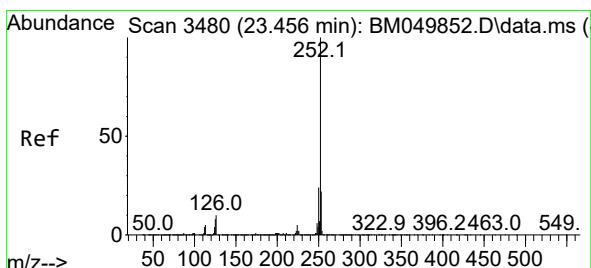
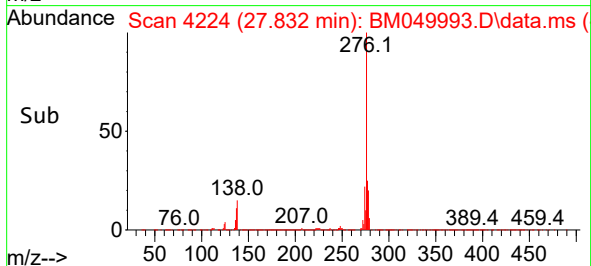
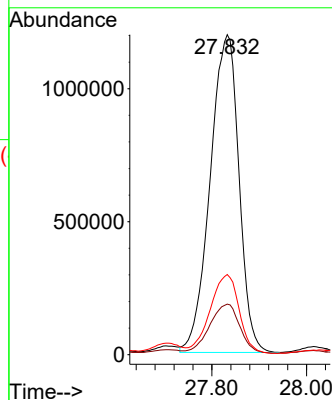
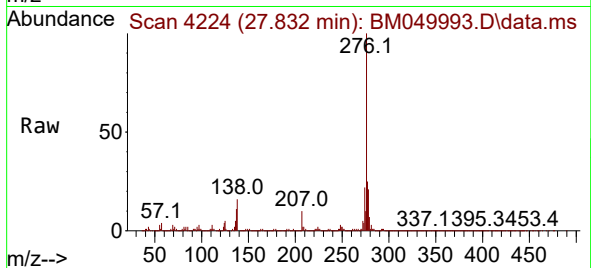
Tgt Ion:276 Resp: 5046401

Ion Ratio Lower Upper

276 100

138 16.3 16.8 25.2#

277 25.1 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 166.992 ng

RT: 23.486 min Scan# 3485

Delta R.T. 0.030 min

Lab File: BM049993.D

Acq: 22 Apr 2025 13:12

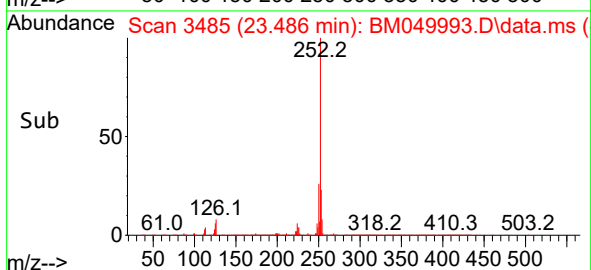
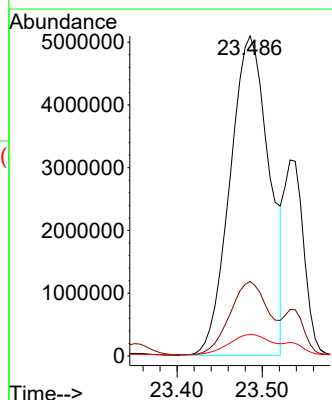
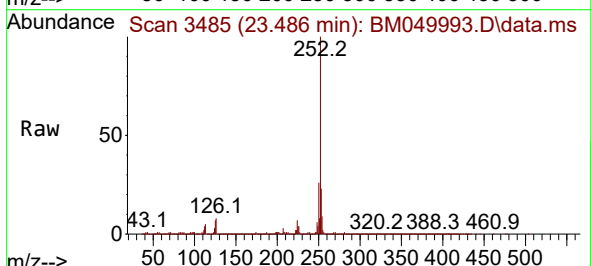
Tgt Ion:252 Resp:16279368

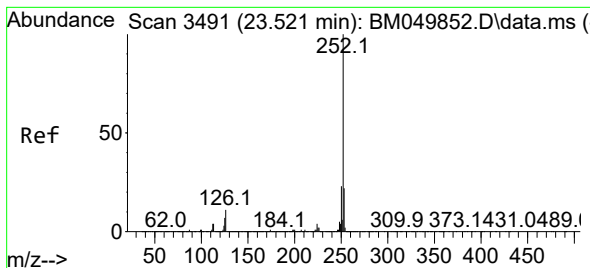
Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 6.7 6.2 9.4





#89

Benzo(k)fluoranthene

Concen: 51.997 ng

RT: 23.533 min Scan# 34

Delta R.T. 0.012 min

Lab File: BM049993.D

Acq: 22 Apr 2025 13:12

Instrument :

BNA_M

ClientSampleId :

ETGI-342

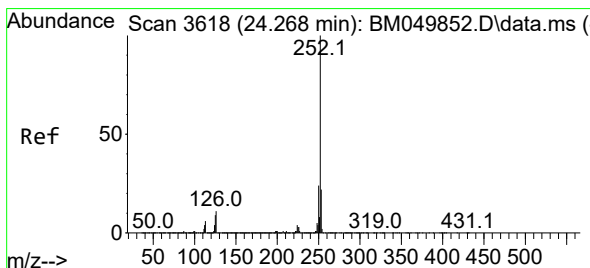
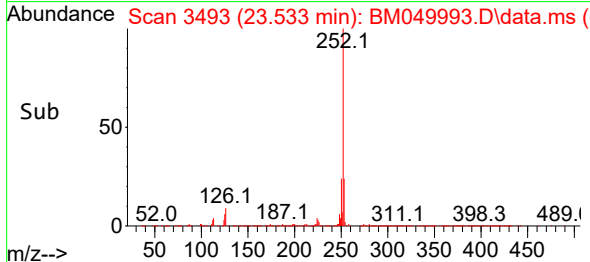
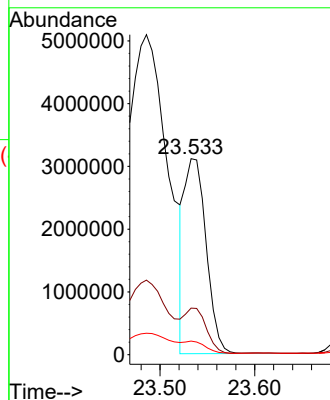
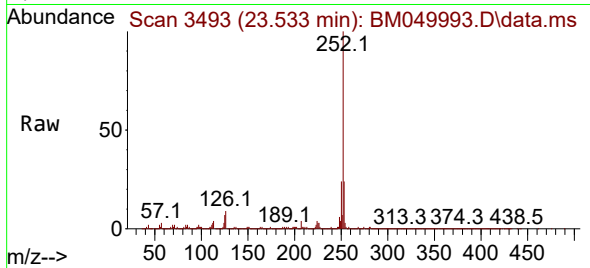
Tgt Ion:252 Resp: 4912154

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.2

125 6.9 5.8 8.8



#90

Benzo(a)pyrene

Concen: 96.292 ng

RT: 24.286 min Scan# 3621

Delta R.T. 0.018 min

Lab File: BM049993.D

Acq: 22 Apr 2025 13:12

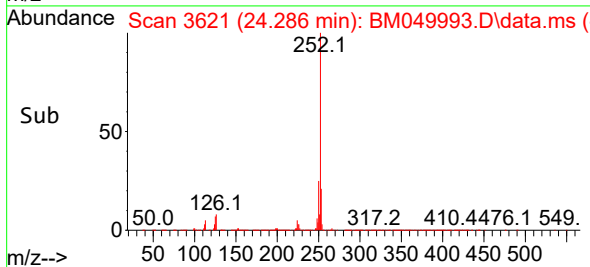
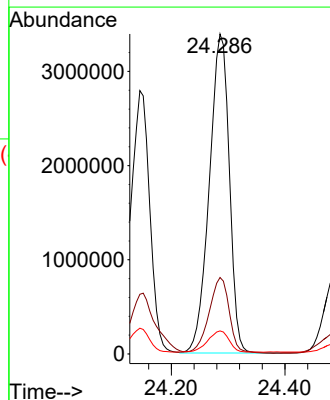
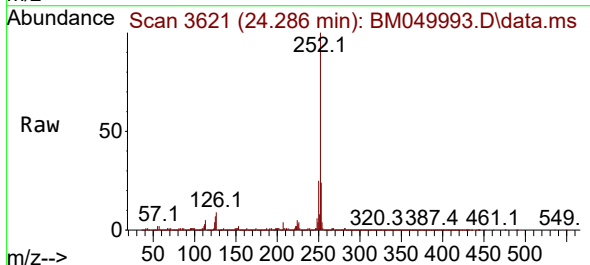
Tgt Ion:252 Resp: 8248705

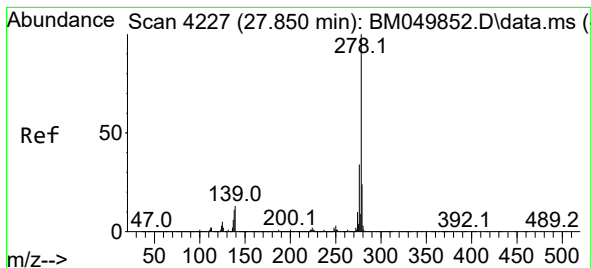
Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.8

125 7.2 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 15.350 ng

RT: 27.856 min Scan# 41

Delta R.T. 0.006 min

Lab File: BM049993.D

Acq: 22 Apr 2025 13:12

Instrument :

BNA_M

ClientSampleId :

ETGI-342

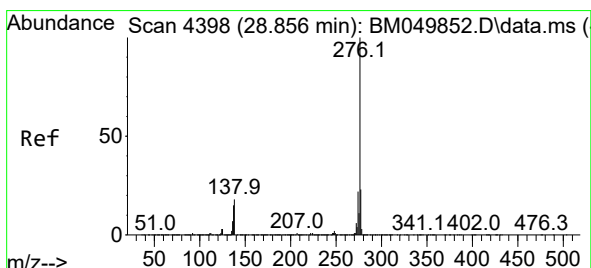
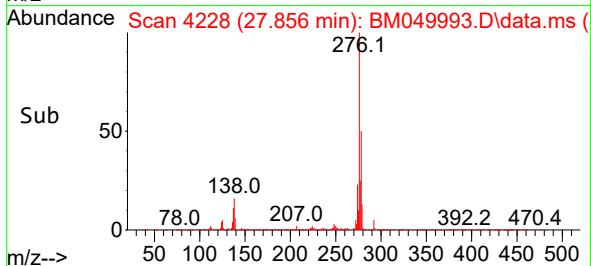
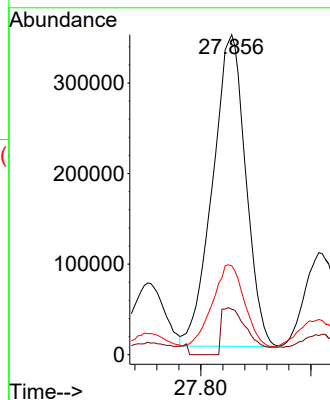
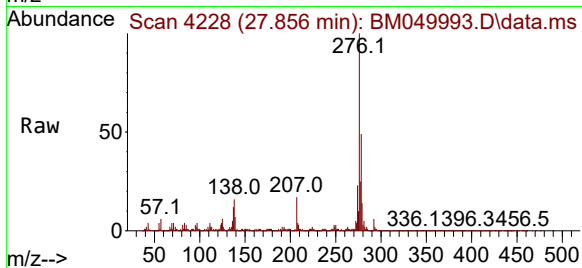
Tgt Ion:278 Resp: 1438567

Ion Ratio Lower Upper

278 100

139 14.2 10.6 15.8

279 27.8 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 43.620 ng

RT: 28.891 min Scan# 4404

Delta R.T. 0.035 min

Lab File: BM049993.D

Acq: 22 Apr 2025 13:12

Tgt Ion:276 Resp: 4177394

Ion Ratio Lower Upper

276 100

277 24.2 18.7 28.1

138 16.3 14.6 21.8

