

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
 Data File : BM049999.D
 Acq On : 22 Apr 2025 17:07
 Operator : RC/JU
 Sample : Q1848-05DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ETGI-342DL

Quant Time: Apr 22 18:10:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

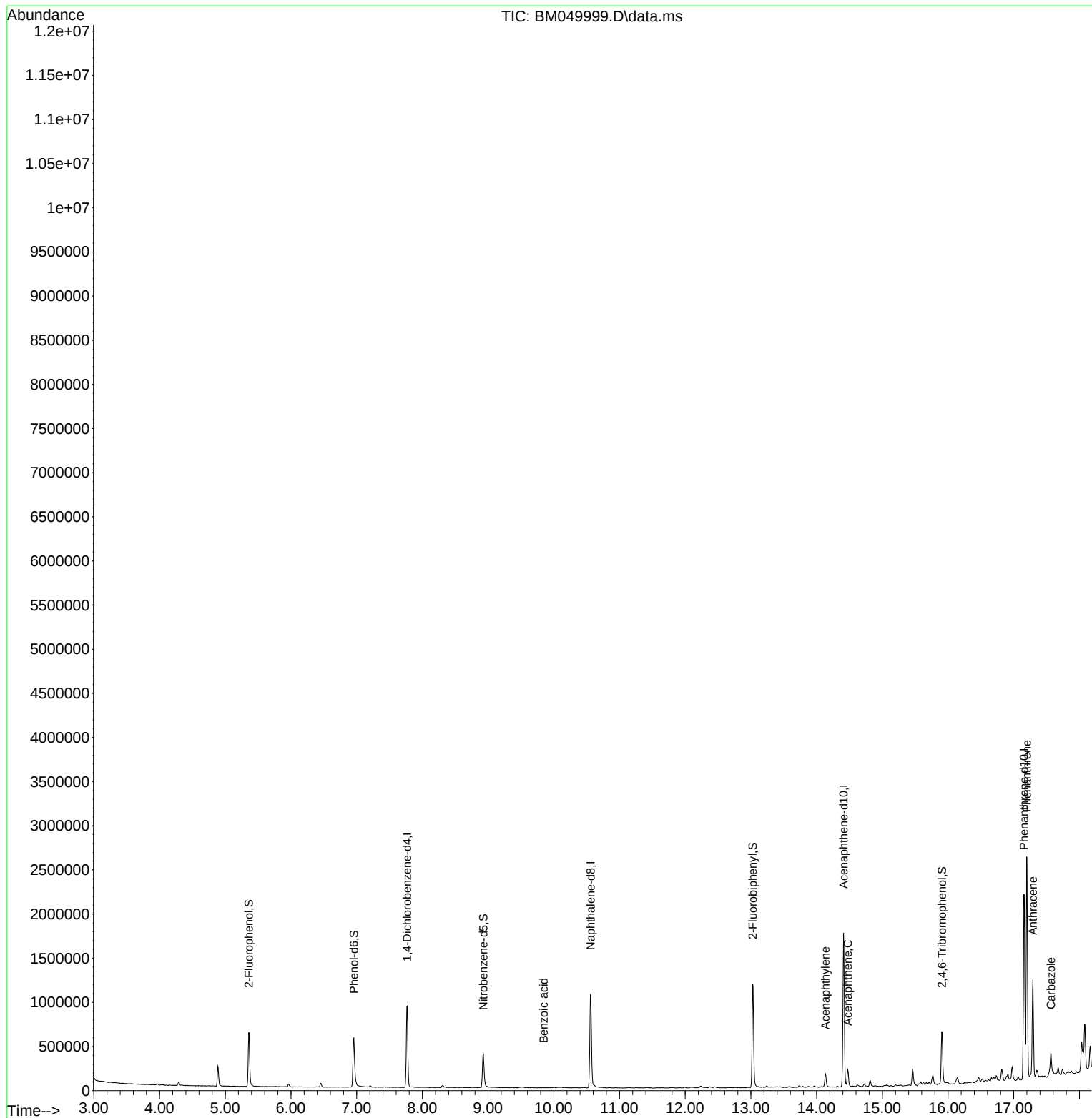
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	282424	20.000	ng	-0.01
21) Naphthalene-d8	10.563	136	985997	20.000	ng	-0.01
39) Acenaphthene-d10	14.410	164	660929	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1323063	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1300333	20.000	ng	0.00
86) Perylene-d12	24.403	264	1324591	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	303546	18.251	ng	0.00
7) Phenol-d6	6.957	99	413849	19.999	ng	0.00
23) Nitrobenzene-d5	8.928	82	262150	14.805	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	122852	12.779	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	715556	14.681	ng	-0.02
79) Terphenyl-d14	19.780	244	1038773	14.971	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.845	122	131	8.547	ng	# 13
49) Acenaphthylene	14.133	152	125621	2.233	ng	98
52) Acenaphthene	14.474	154	71870	2.009	ng	98
71) Phenanthrene	17.198	178	1530121	21.095	ng	99
72) Anthracene	17.292	178	715160	10.005	ng	99
73) Carbazole	17.568	167	178781	2.655	ng	100
75) Fluoranthene	19.221	202	5609801	62.900	ng	99
78) Pyrene	19.586	202	4845350	54.068	ng	99
81) Benzo(a)anthracene	21.380	228	2228405	25.786	ng	98
83) Chrysene	21.445	228	2487924	30.282	ng	98
87) Indeno(1,2,3-cd)pyrene	27.797	276	868115	8.792	ng	97
88) Benzo(b)fluoranthene	23.462	252	2704567	31.970	ng	98
89) Benzo(k)fluoranthene	23.462	252	2704567	32.991	ng	98
90) Benzo(a)pyrene	24.262	252	1420971	19.115	ng	97
91) Dibenzo(a,h)anthracene	27.826	278	244930	3.012	ng	# 90
92) Benzo(g,h,i)perylene	28.862	276	750178	9.027	ng	99

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

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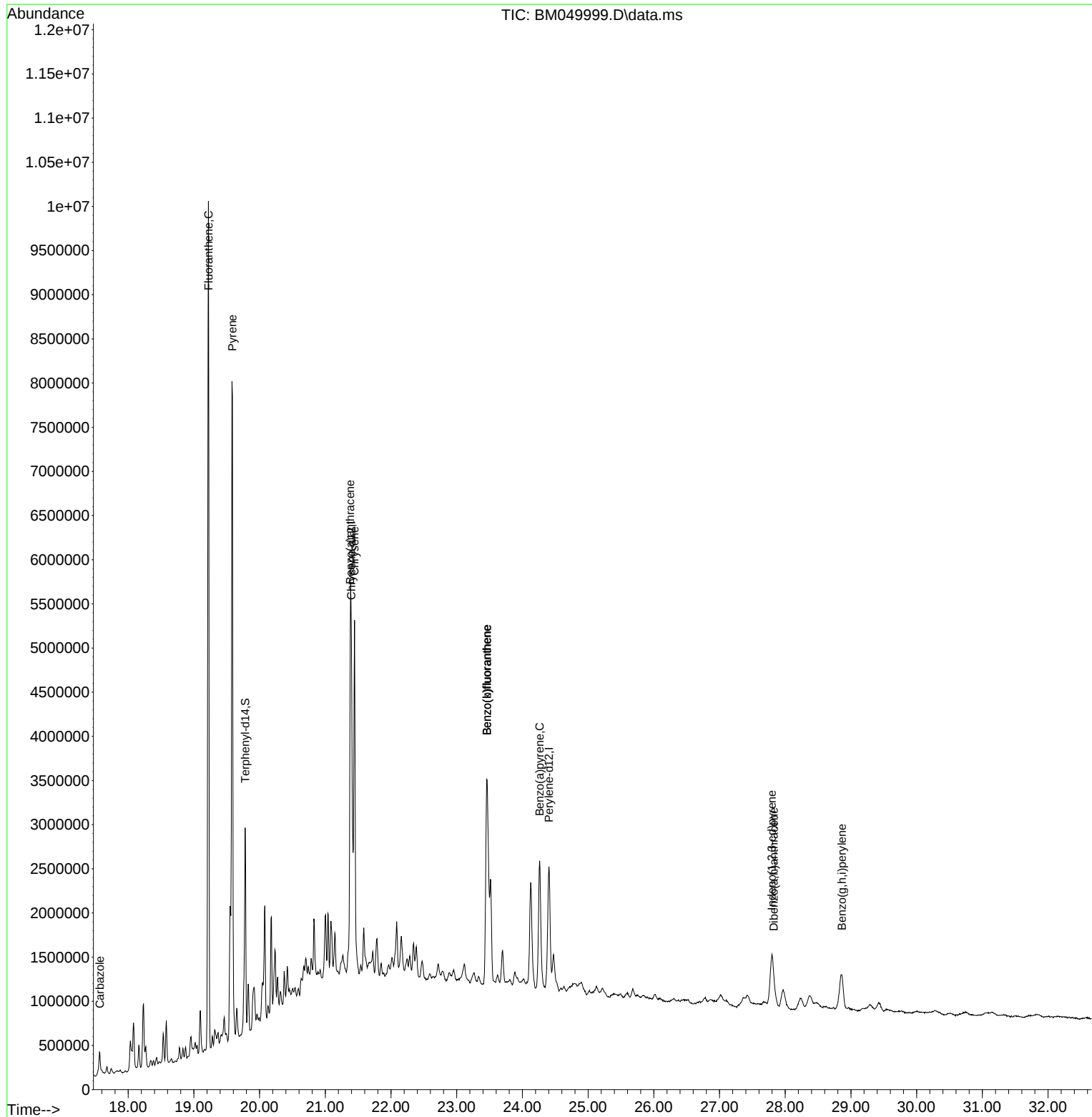
Quant Time: Apr 22 18:10:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
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Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042225\
Data File : BM049999.D
Acq On : 22 Apr 2025 17:07
Operator : RC/JU
Sample : Q1848-05DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETGI-342DL

Quant Time: Apr 22 18:10:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

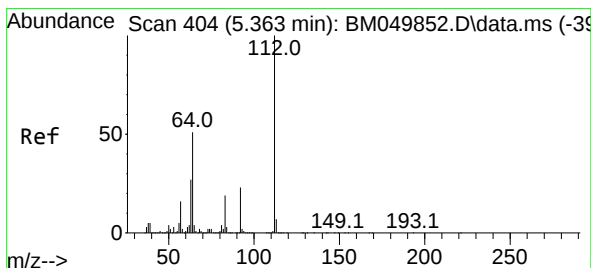
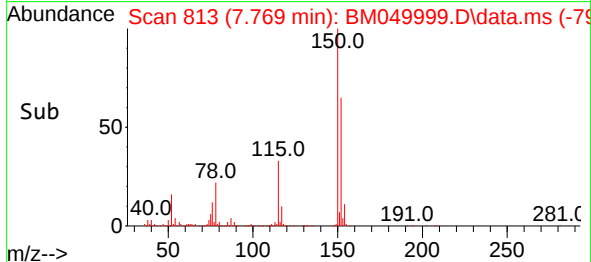
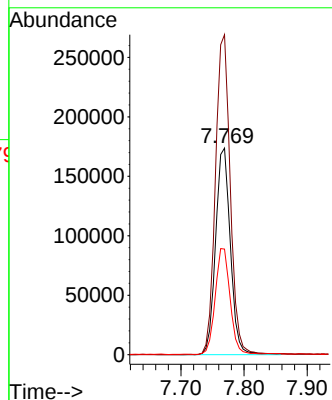
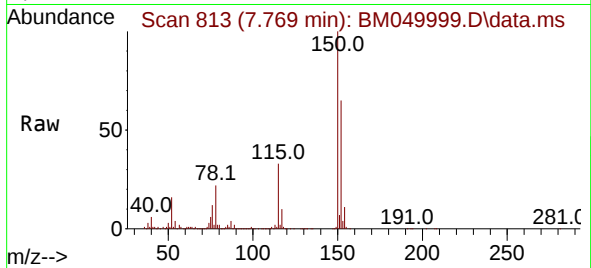




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049999.D
Acq: 22 Apr 2025 17:07

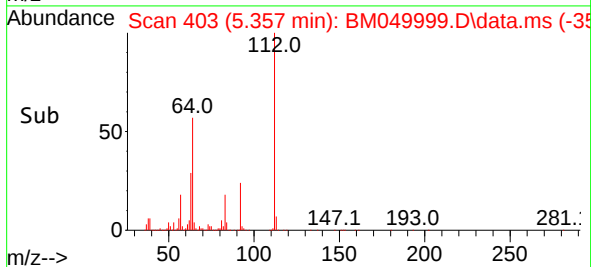
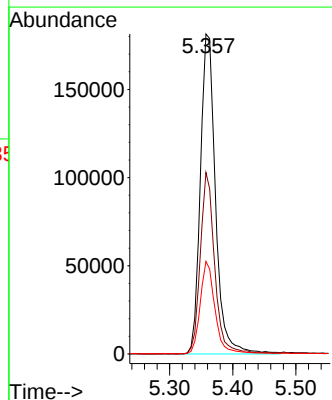
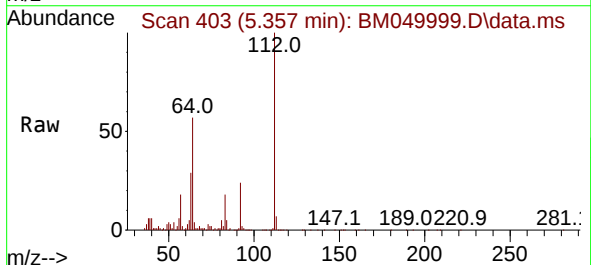
Instrument :
BNA_M
ClientSampleId :
ETGI-342DL

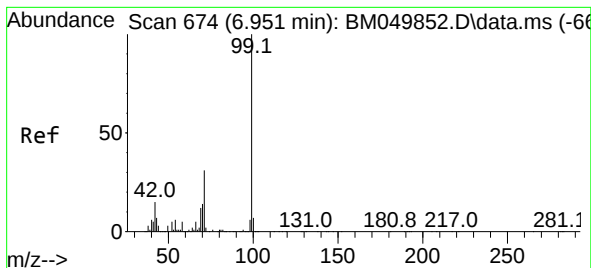
Tgt Ion:152 Resp: 282424
Ion Ratio Lower Upper
152 100
150 154.9 124.3 186.5
115 51.1 41.1 61.7



#5
2-Fluorophenol
Concen: 18.251 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049999.D
Acq: 22 Apr 2025 17:07

Tgt Ion:112 Resp: 303546
Ion Ratio Lower Upper
112 100
64 56.7 41.0 61.6
63 28.9 21.5 32.3





#7

Phenol-d6

Concen: 19.999 ng

RT: 6.957 min Scan# 61

Delta R.T. 0.006 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

Instrument :

BNA_M

ClientSampleId :

ETGI-342DL

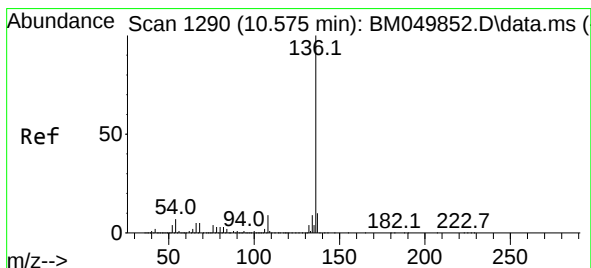
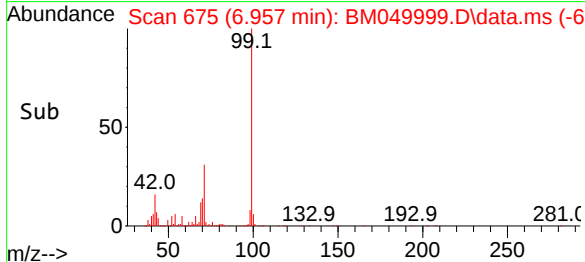
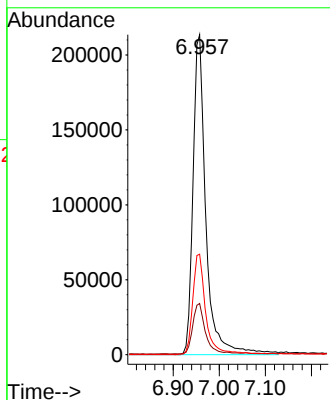
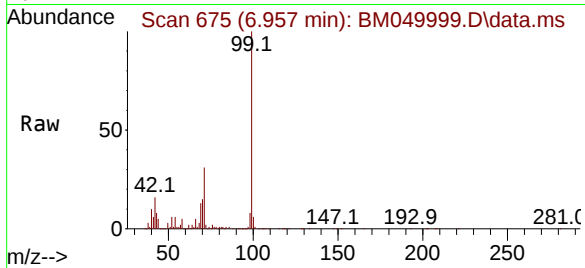
Tgt Ion: 99 Resp: 413849

Ion Ratio Lower Upper

99 100

42 16.0 12.1 18.1

71 31.4 24.9 37.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.563 min Scan# 1288

Delta R.T. -0.012 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

Tgt Ion:136 Resp: 985997

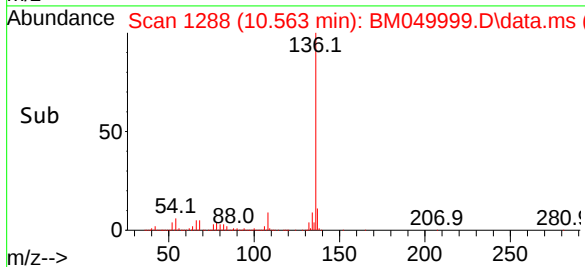
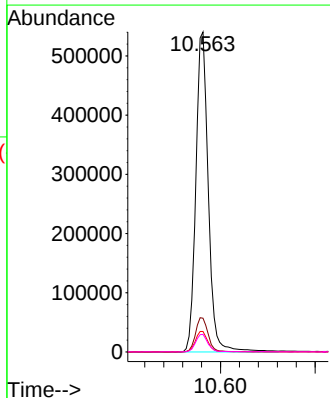
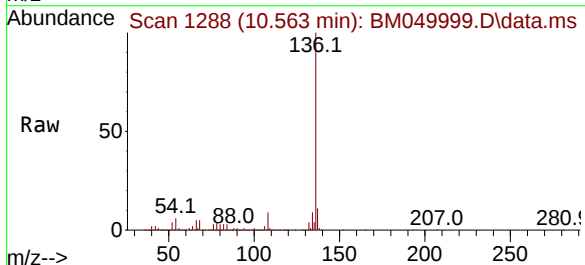
Ion Ratio Lower Upper

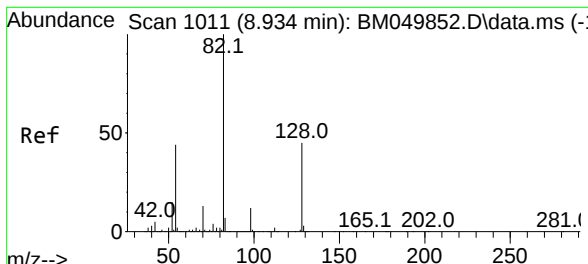
136 100

137 10.6 8.4 12.6

54 6.4 5.3 7.9

68 5.5 4.3 6.5

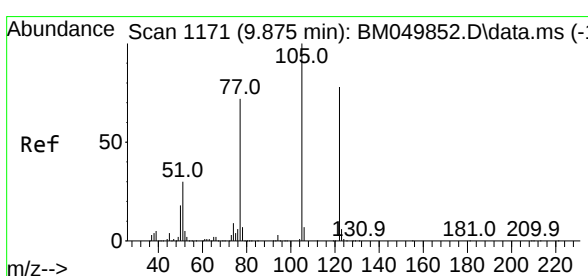
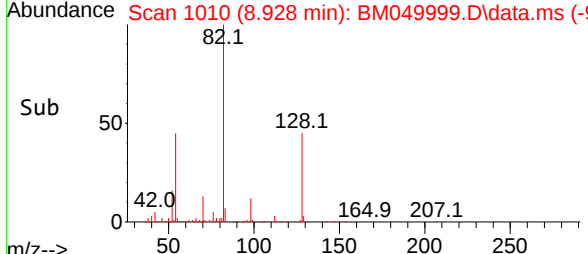
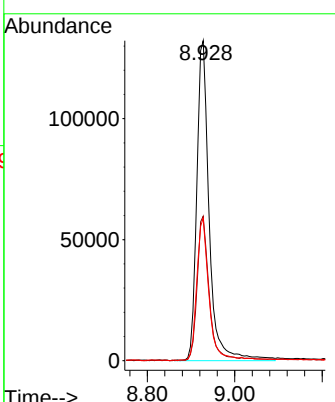
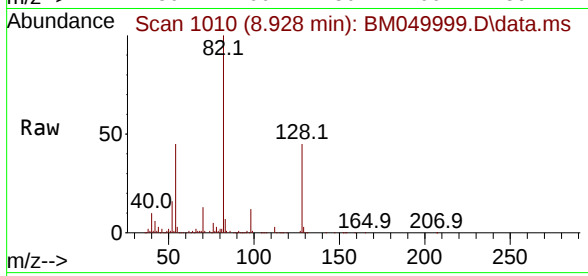




#23
 Nitrobenzene-d5
 Concen: 14.805 ng
 RT: 8.928 min Scan# 1166
 Delta R.T. -0.006 min
 Lab File: BM049999.D
 Acq: 22 Apr 2025 17:07

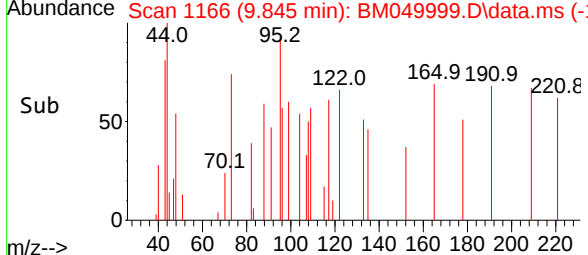
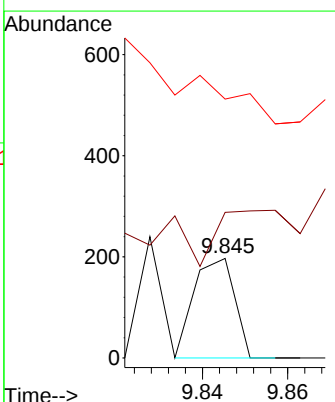
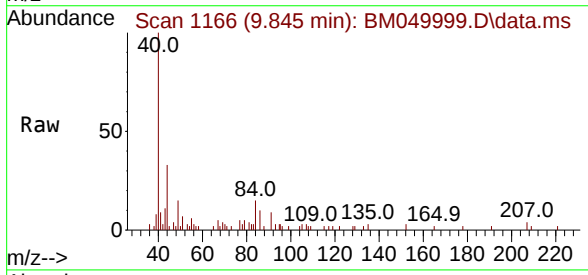
Instrument :
 BNA_M
 ClientSampleId :
 ETGI-342DL

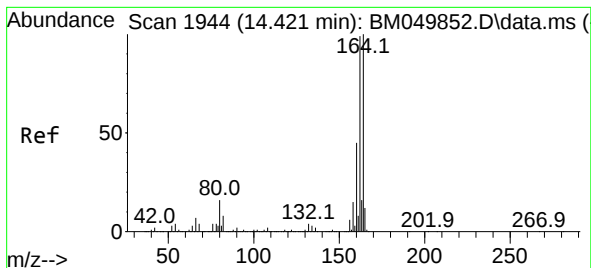
Tgt Ion:	82	Resp:	262150
Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.2	54.2
54	44.6	35.0	52.6



#32
 Benzoic acid
 Concen: 8.547 ng
 RT: 9.845 min Scan# 1166
 Delta R.T. -0.030 min
 Lab File: BM049999.D
 Acq: 22 Apr 2025 17:07

Tgt Ion:	122	Resp:	131
Ion	Ratio	Lower	Upper
122	100		
105	146.2	103.8	143.8#
77	259.9	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: BM049999.D

Acq: 22 Apr 2025 17:07

Instrument :

BNA_M

ClientSampleId :

ETGI-342DL

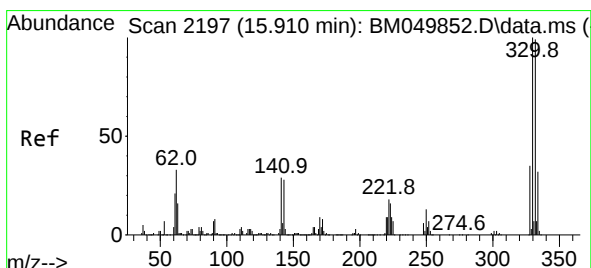
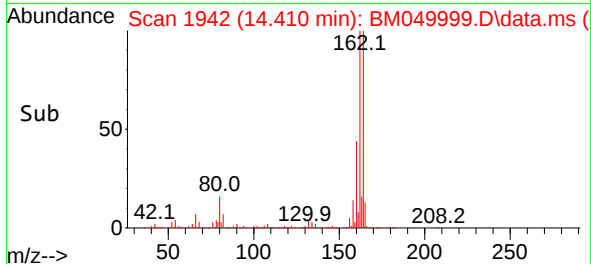
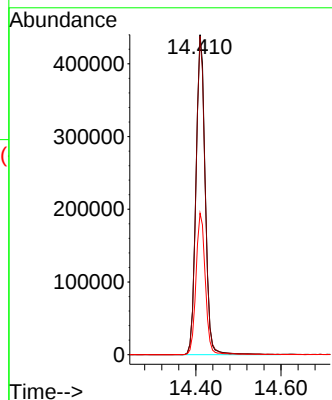
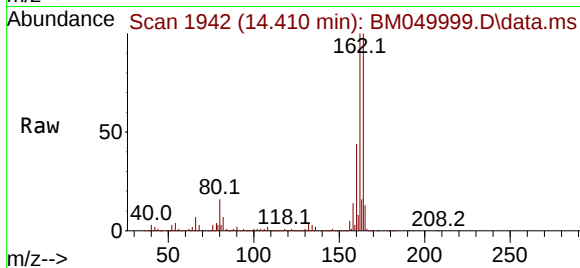
Tgt Ion:164 Resp: 660929

Ion Ratio Lower Upper

164 100

162 99.6 79.4 119.0

160 44.2 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 12.779 ng

RT: 15.910 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

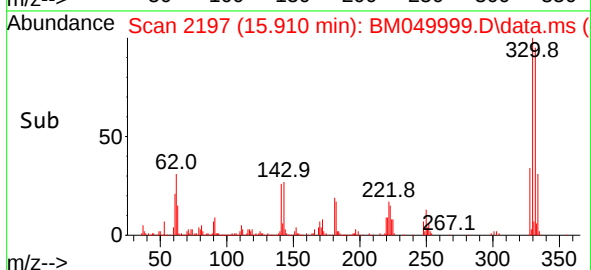
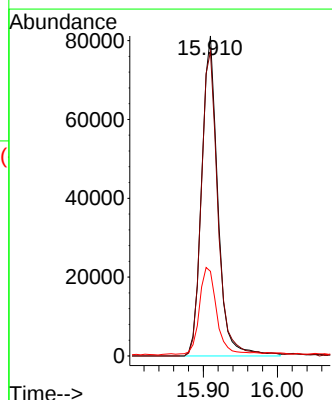
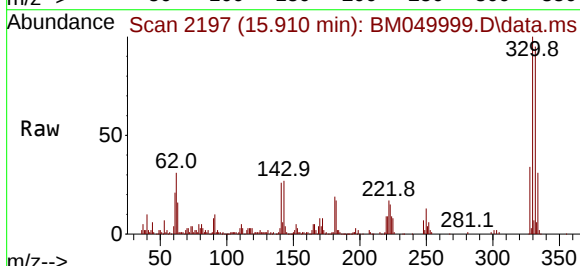
Tgt Ion:330 Resp: 122852

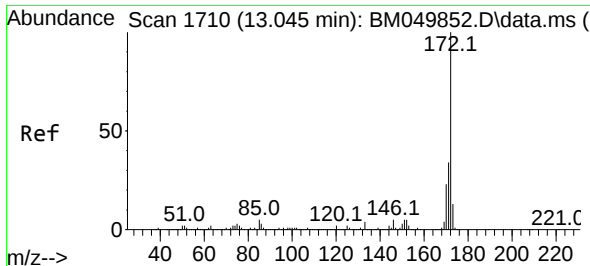
Ion Ratio Lower Upper

330 100

332 98.0 78.0 117.0

141 28.6 23.5 35.3

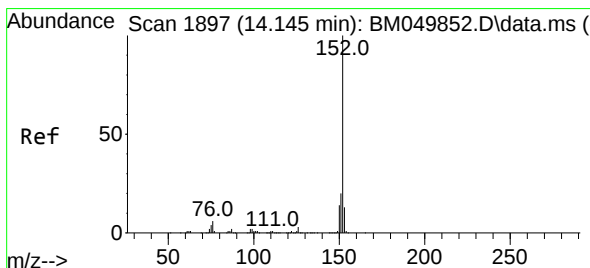
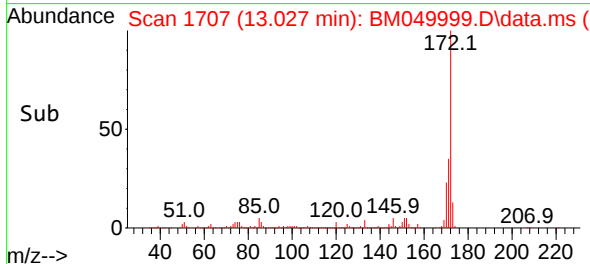
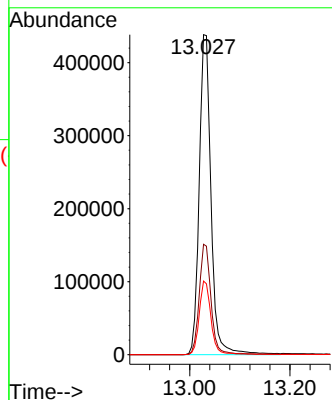
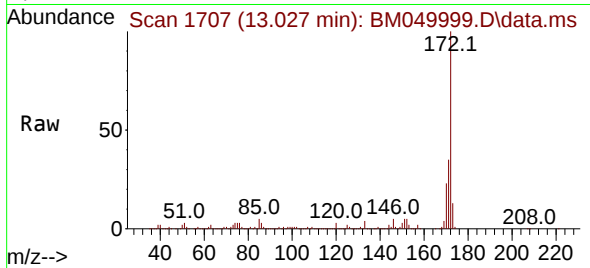




#45
2-Fluorobiphenyl
Concen: 14.681 ng
RT: 13.027 min Scan# 1710
Delta R.T. -0.018 min
Lab File: BM049999.D
Acq: 22 Apr 2025 17:07

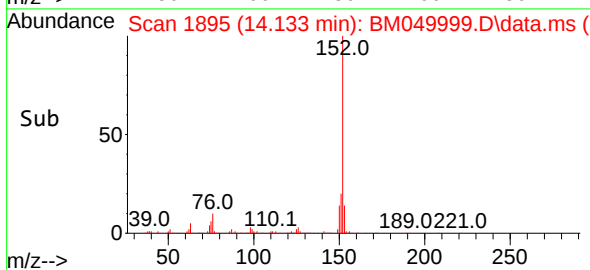
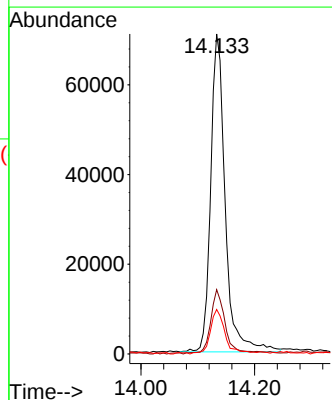
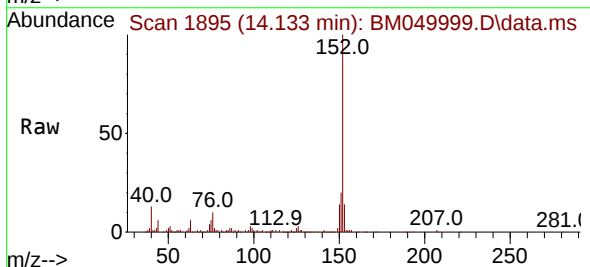
Instrument :
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ClientSampleId :
ETGI-342DL

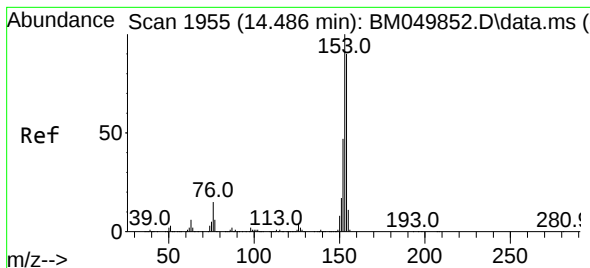
Tgt Ion:172 Resp: 715556
Ion Ratio Lower Upper
172 100
171 34.5 27.4 41.2
170 23.0 18.6 28.0



#49
Acenaphthylene
Concen: 2.233 ng
RT: 14.133 min Scan# 1895
Delta R.T. -0.012 min
Lab File: BM049999.D
Acq: 22 Apr 2025 17:07

Tgt Ion:152 Resp: 125621
Ion Ratio Lower Upper
152 100
151 20.1 15.7 23.5
153 13.9 10.4 15.6





#52

Acenaphthene

Concen: 2.009 ng

RT: 14.474 min Scan# 1953

Delta R.T. -0.012 min

Lab File: BM049999.D

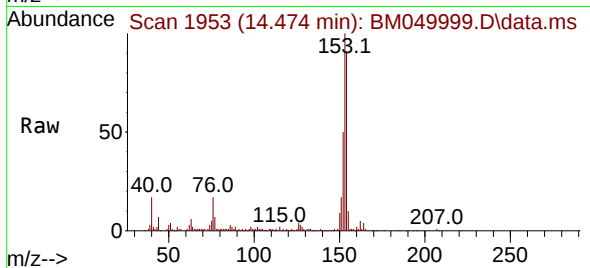
Acq: 22 Apr 2025 17:07

Instrument :

BNA_M

ClientSampleId :

ETGI-342DL



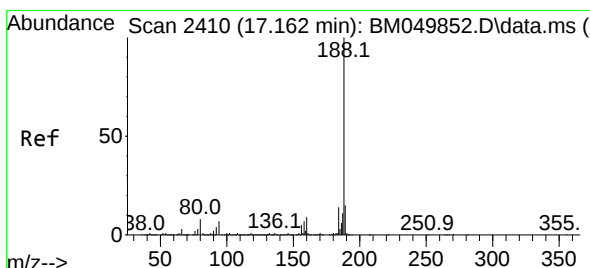
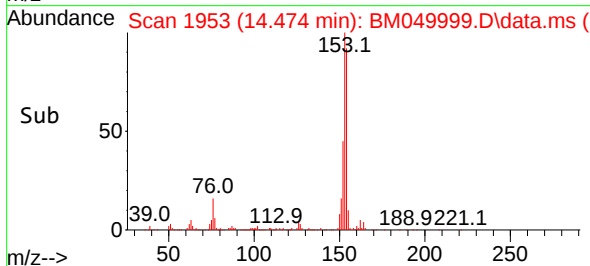
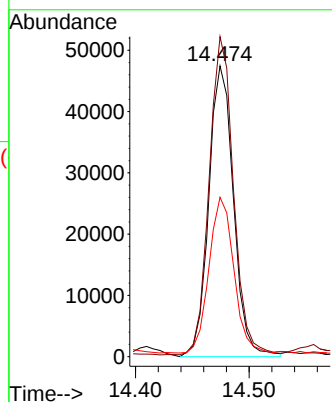
Tgt Ion:154 Resp: 71870

Ion Ratio Lower Upper

154 100

153 110.1 89.3 133.9

152 54.8 42.2 63.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

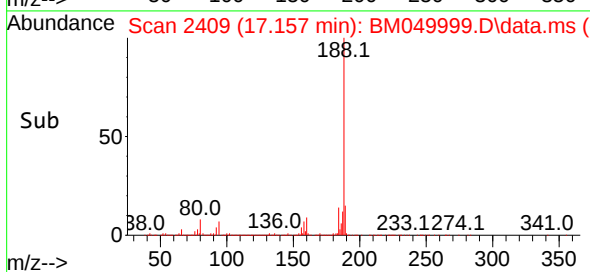
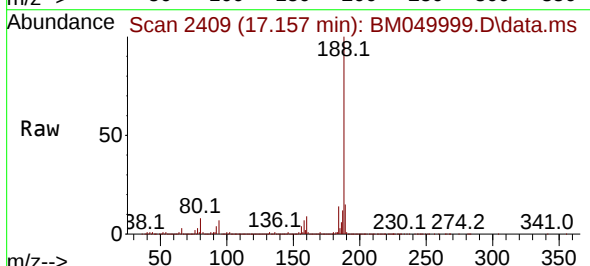
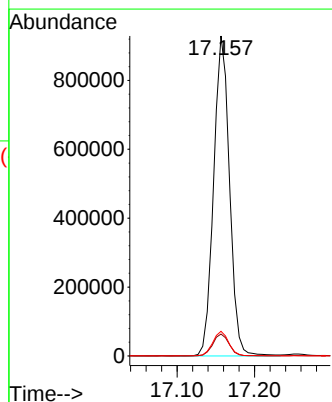
Tgt Ion:188 Resp: 1323063

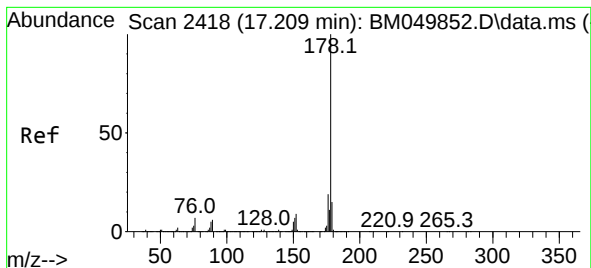
Ion Ratio Lower Upper

188 100

94 6.9 5.8 8.6

80 7.7 6.4 9.6





#71

Phenanthrene

Concen: 21.095 ng

RT: 17.198 min Scan# 2418

Delta R.T. -0.012 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

Instrument :

BNA_M

ClientSampleId :

ETGI-342DL

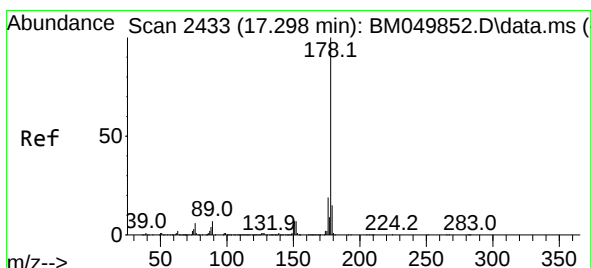
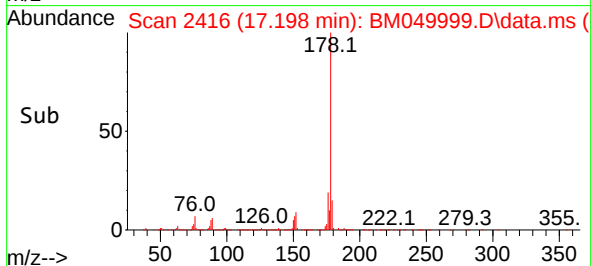
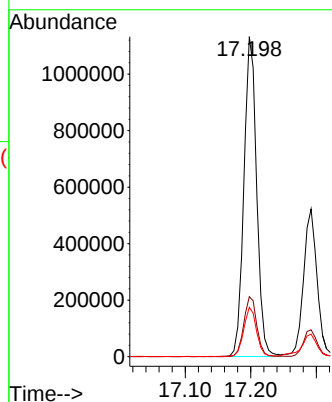
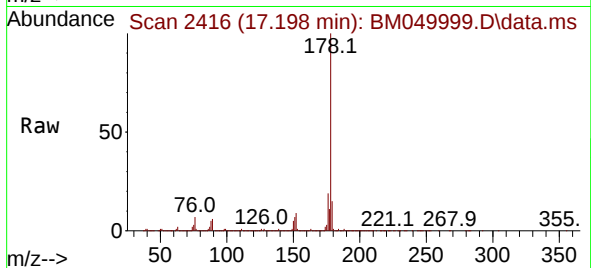
Tgt Ion:178 Resp: 1530121

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

179 15.4 12.3 18.5



#72

Anthracene

Concen: 10.005 ng

RT: 17.292 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

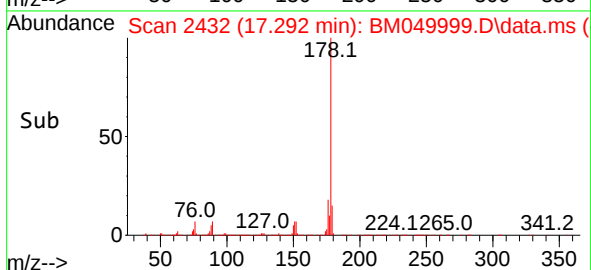
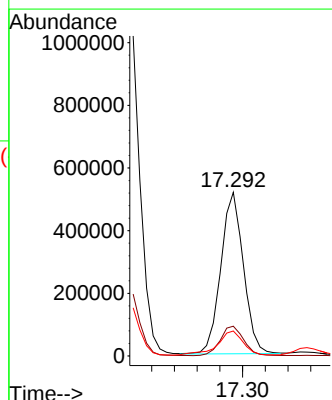
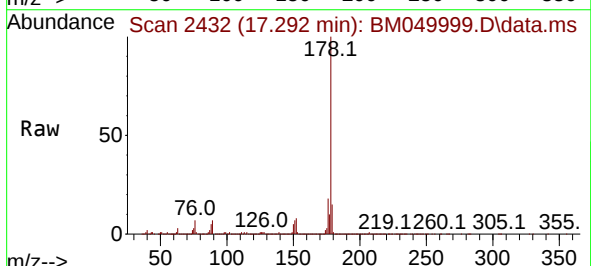
Tgt Ion:178 Resp: 715160

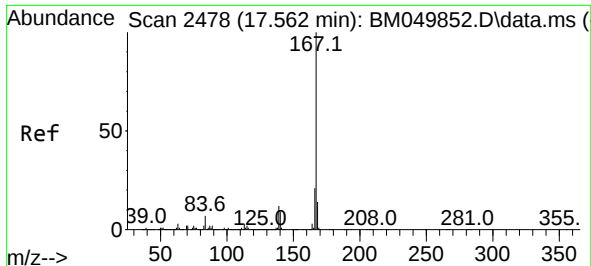
Ion Ratio Lower Upper

178 100

176 18.2 15.1 22.7

179 15.2 12.4 18.6

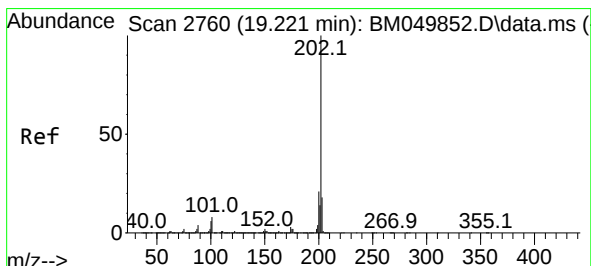
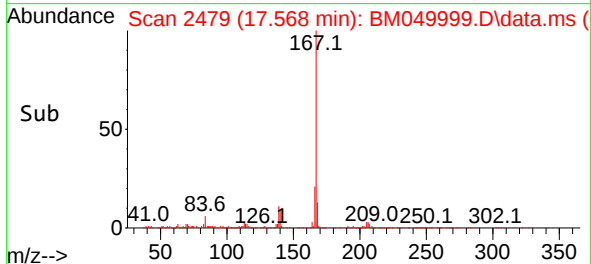
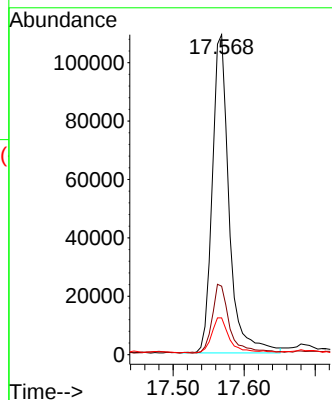
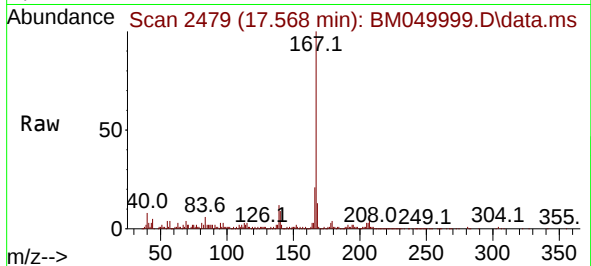




#73
 Carbazole
 Concen: 2.655 ng
 RT: 17.568 min Scan# 2478
 Delta R.T. 0.006 min
 Lab File: BM049999.D
 Acq: 22 Apr 2025 17:07

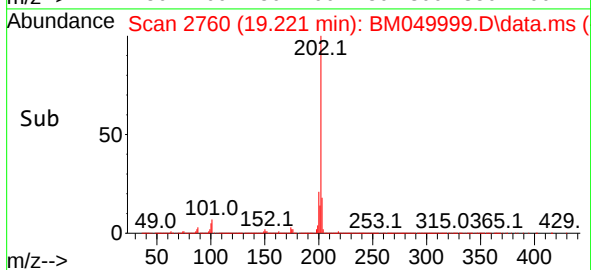
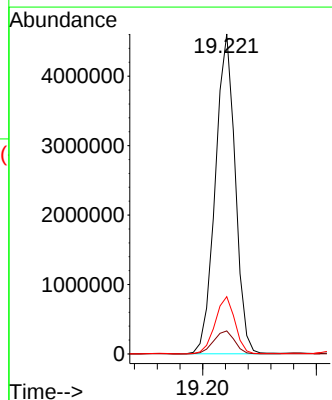
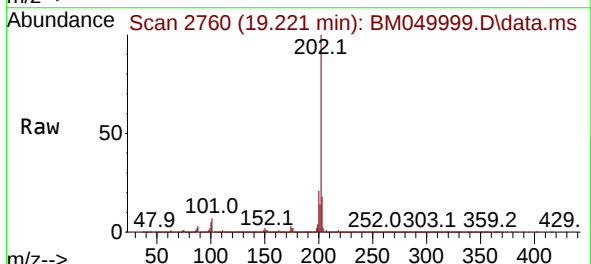
Instrument :
 BNA_M
 ClientSampleId :
 ETGI-342DL

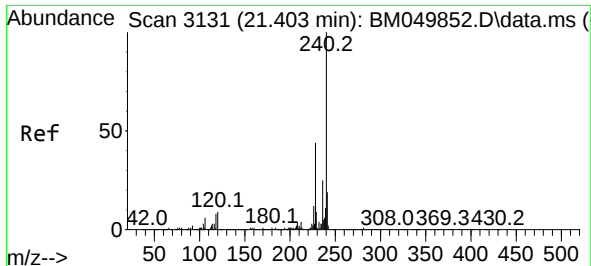
Tgt Ion:167 Resp: 178781
 Ion Ratio Lower Upper
 167 100
 166 21.4 16.9 25.3
 139 11.5 9.3 13.9



#75
 Fluoranthene
 Concen: 62.900 ng
 RT: 19.221 min Scan# 2760
 Delta R.T. 0.000 min
 Lab File: BM049999.D
 Acq: 22 Apr 2025 17:07

Tgt Ion:202 Resp: 5609801
 Ion Ratio Lower Upper
 202 100
 101 7.2 0.0 28.4
 203 17.9 0.0 37.8

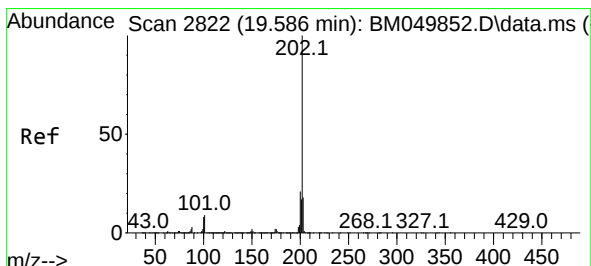
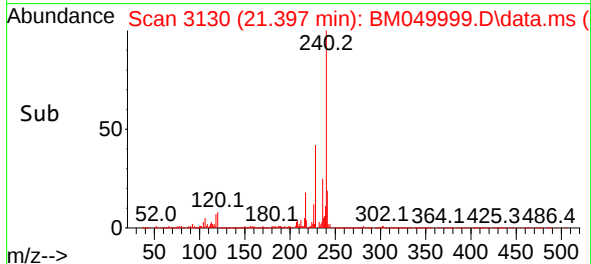
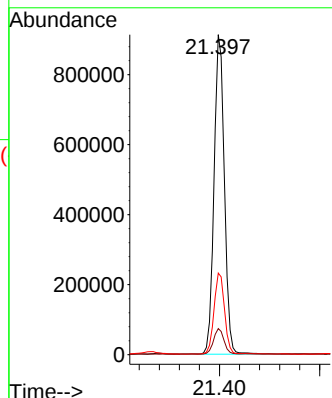
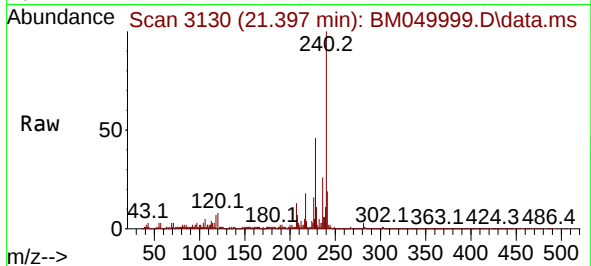




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM049999.D
Acq: 22 Apr 2025 17:07

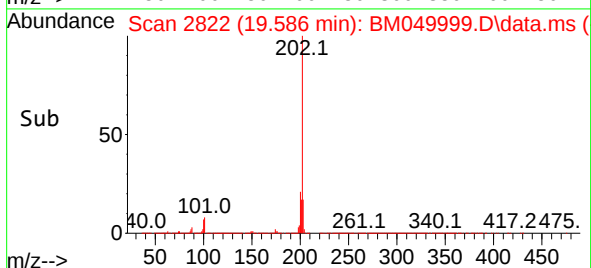
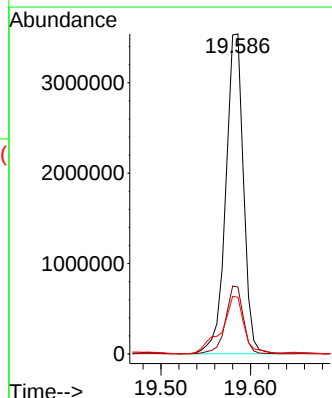
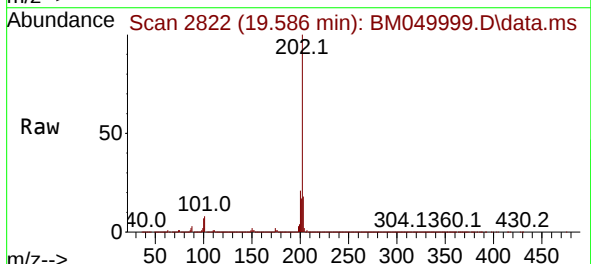
Instrument :
BNA_M
ClientSampleId :
ETGI-342DL

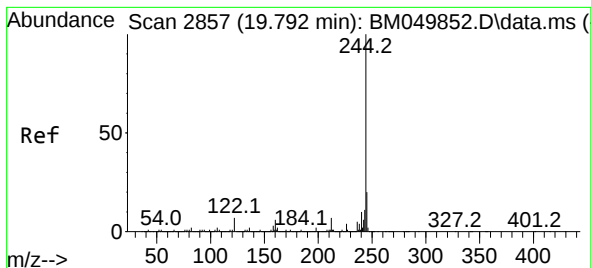
Tgt Ion:240 Resp: 1300333
Ion Ratio Lower Upper
240 100
120 8.2 6.9 10.3
236 25.5 20.4 30.6



#78
Pyrene
Concen: 54.068 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM049999.D
Acq: 22 Apr 2025 17:07

Tgt Ion:202 Resp: 4845350
Ion Ratio Lower Upper
202 100
200 20.9 16.5 24.7
203 17.7 14.0 21.0





#79

Terphenyl-d14

Concen: 14.971 ng

RT: 19.780 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

Instrument :

BNA_M

ClientSampleId :

ETGI-342DL

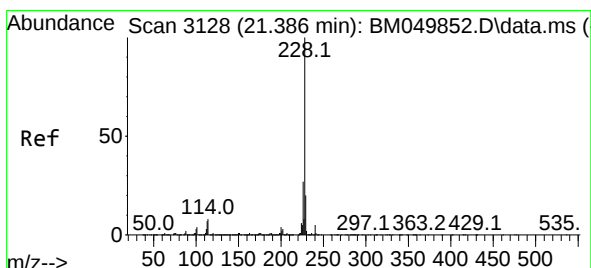
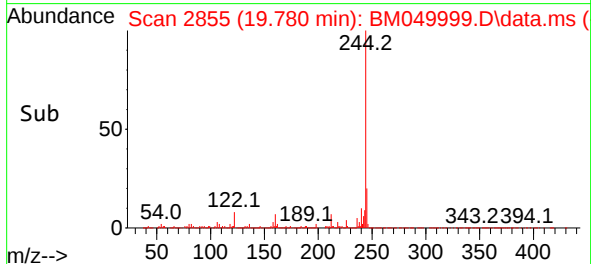
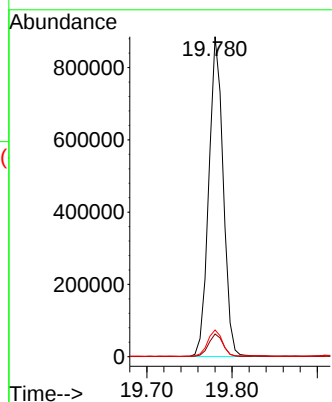
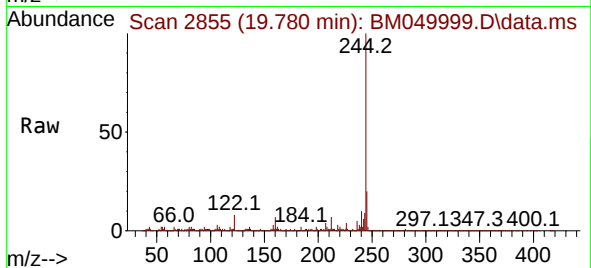
Tgt Ion:244 Resp: 1038773

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 8.4 5.4 8.0#



#81

Benzo(a)anthracene

Concen: 25.786 ng

RT: 21.380 min Scan# 3127

Delta R.T. -0.006 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

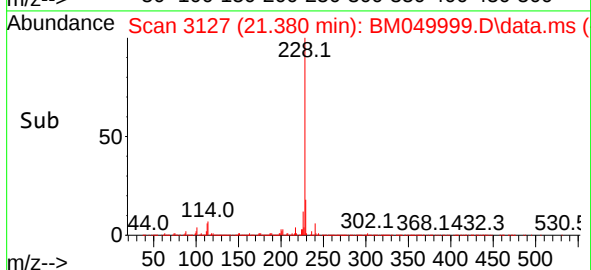
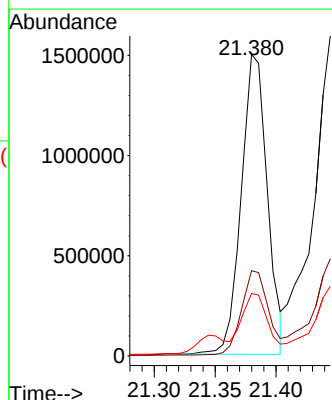
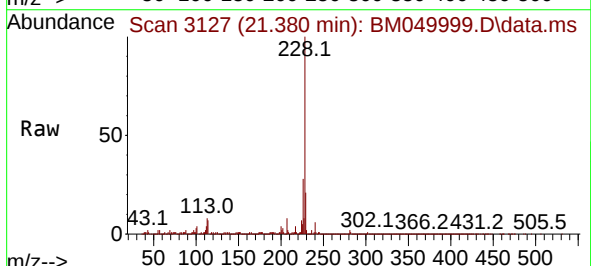
Tgt Ion:228 Resp: 2228405

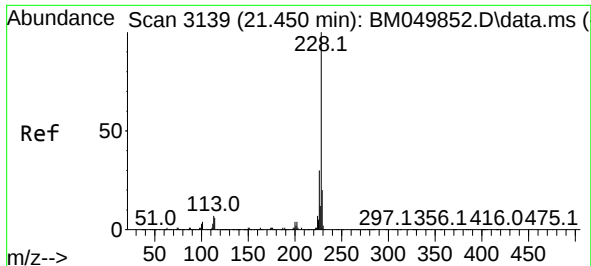
Ion Ratio Lower Upper

228 100

226 28.3 21.8 32.8

229 20.7 15.8 23.8





#83

Chrysene

Concen: 30.282 ng

RT: 21.445 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

Instrument :

BNA_M

ClientSampleId :

ETGI-342DL

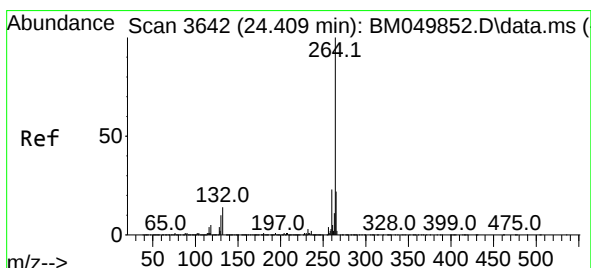
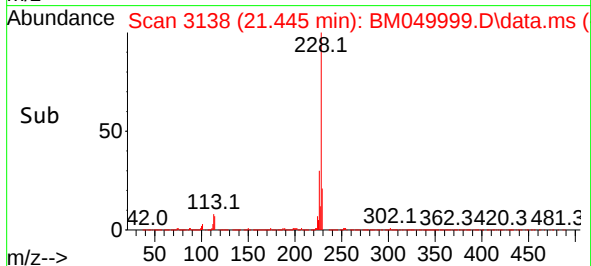
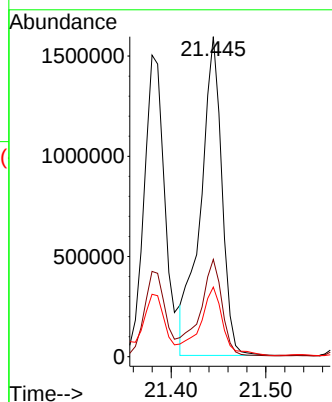
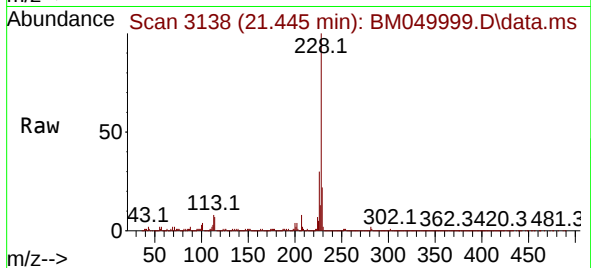
Tgt Ion:228 Resp: 2487924

Ion Ratio Lower Upper

228 100

226 30.4 24.1 36.1

229 21.8 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.403 min Scan# 3641

Delta R.T. -0.006 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

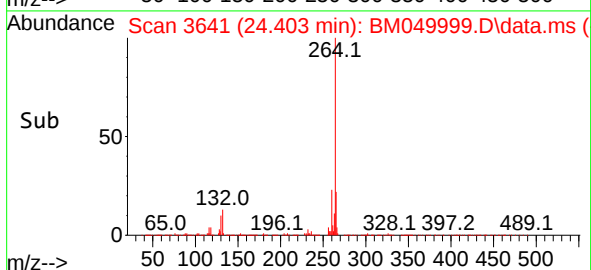
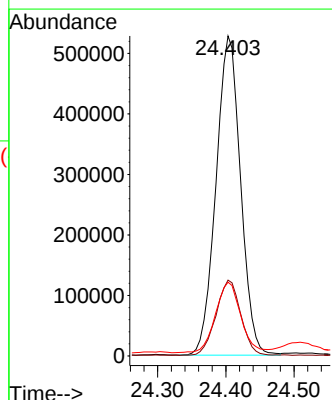
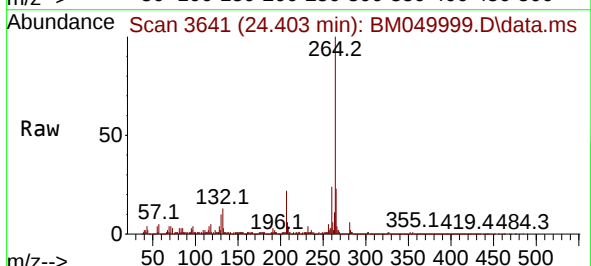
Tgt Ion:264 Resp: 1324591

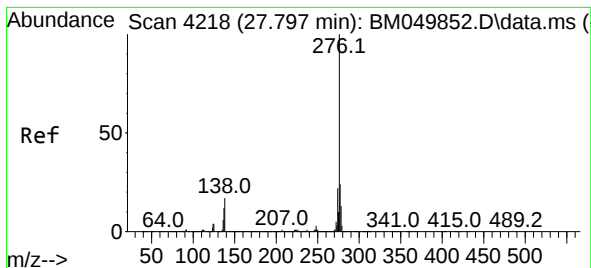
Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 23.1 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.792 ng

RT: 27.797 min Scan# 41

Delta R.T. 0.000 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

Instrument :

BNA_M

ClientSampleId :

ETGI-342DL

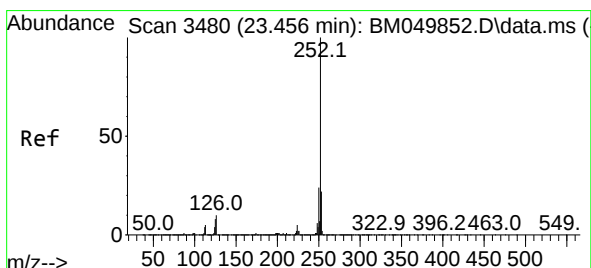
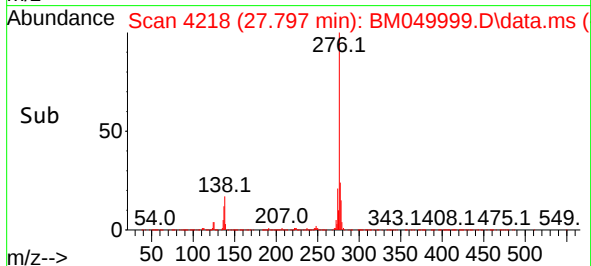
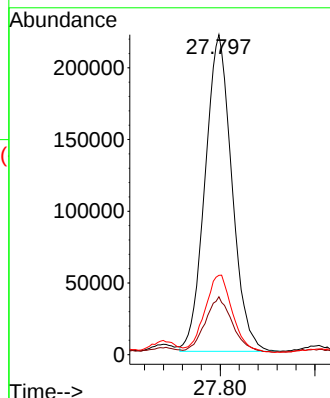
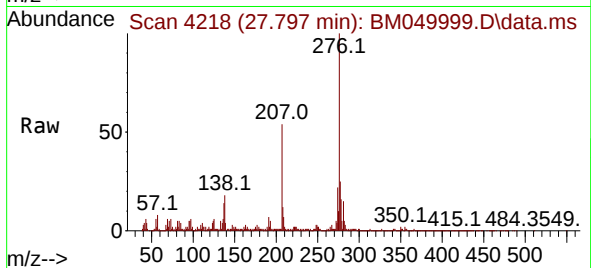
Tgt Ion:276 Resp: 868115

Ion Ratio Lower Upper

276 100

138 17.7 16.8 25.2

277 25.2 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 31.970 ng

RT: 23.462 min Scan# 3481

Delta R.T. 0.006 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

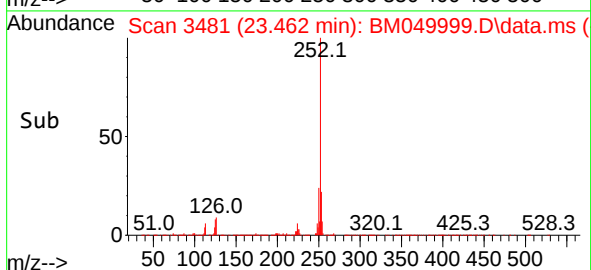
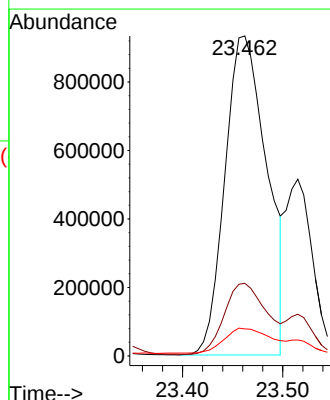
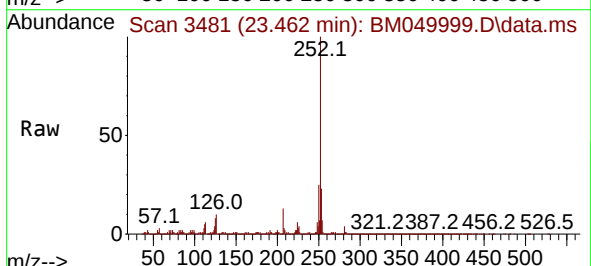
Tgt Ion:252 Resp: 2704567

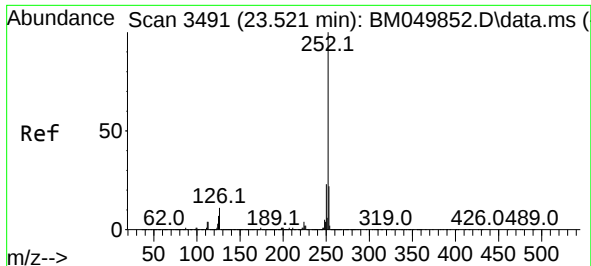
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 8.5 6.2 9.4

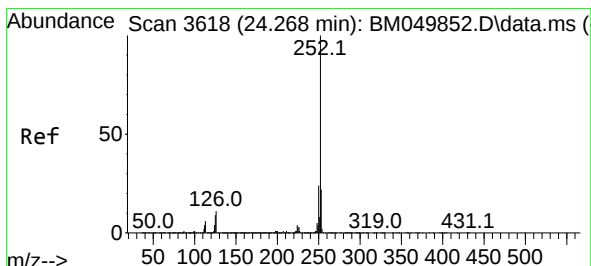
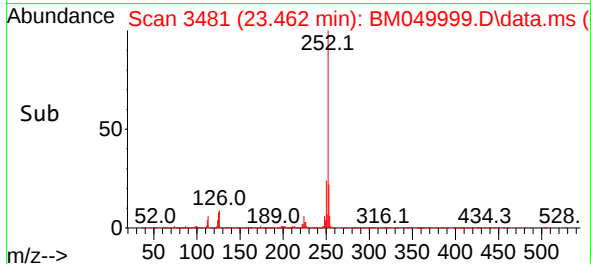
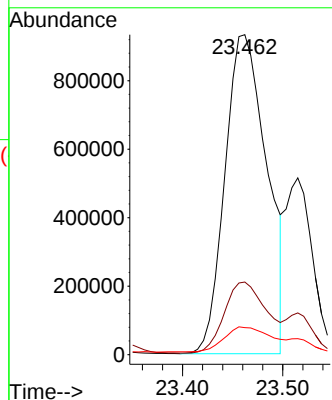
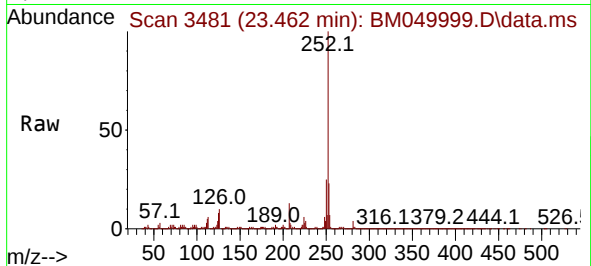




#89
Benzo(k)fluoranthene
Concen: 32.991 ng
RT: 23.462 min Scan# 34
Delta R.T. -0.059 min
Lab File: BM049999.D
Acq: 22 Apr 2025 17:07

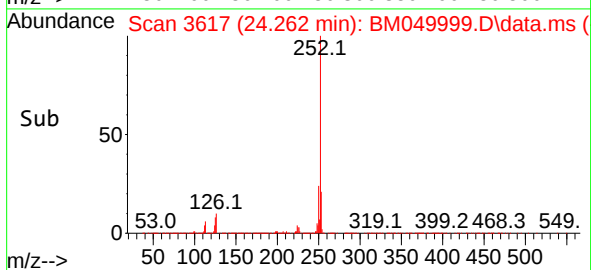
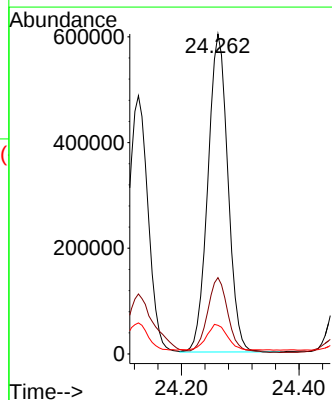
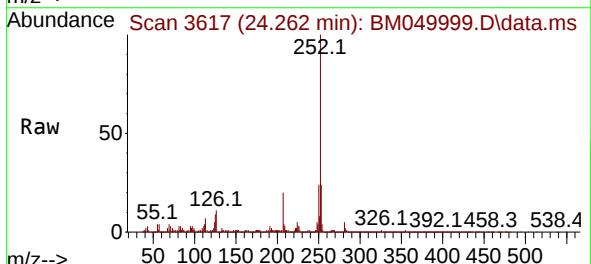
Instrument :
BNA_M
ClientSampleId :
ETGI-342DL

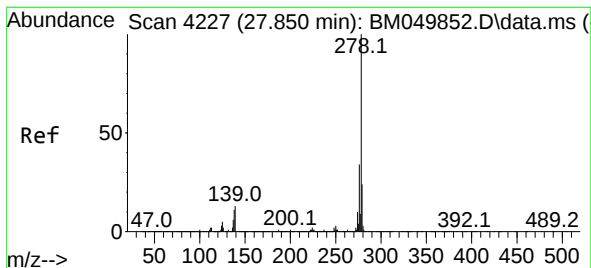
Tgt Ion:252 Resp: 2704567
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 8.5 5.8 8.8



#90
Benzo(a)pyrene
Concen: 19.115 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.006 min
Lab File: BM049999.D
Acq: 22 Apr 2025 17:07

Tgt Ion:252 Resp: 1420971
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 9.0 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 3.012 ng

RT: 27.826 min Scan# 41

Delta R.T. -0.023 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

Instrument :

BNA_M

ClientSampleId :

ETGI-342DL

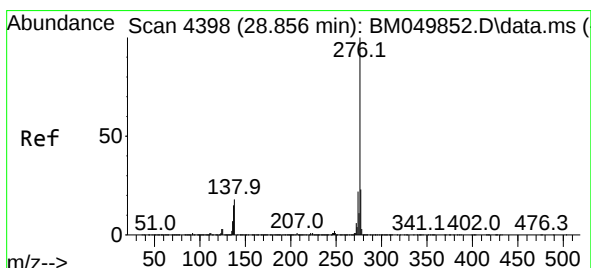
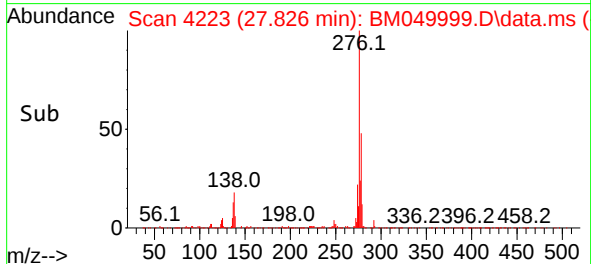
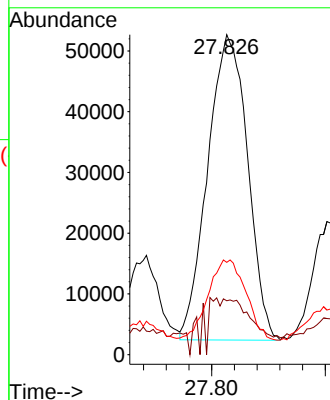
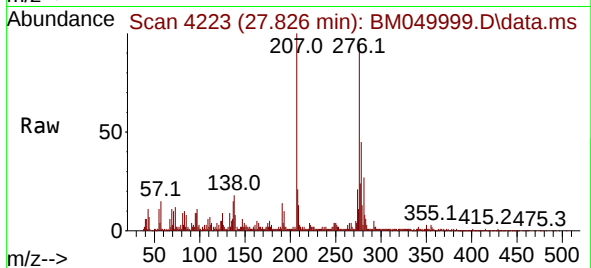
Tgt Ion:278 Resp: 244930

Ion Ratio Lower Upper

278 100

139 16.8 10.6 15.8#

279 28.9 19.1 28.7#



#92

Benzo(g,h,i)perylene

Concen: 9.027 ng

RT: 28.862 min Scan# 4399

Delta R.T. 0.006 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

Tgt Ion:276 Resp: 750178

Ion Ratio Lower Upper

276 100

277 23.2 18.7 28.1

138 17.4 14.6 21.8

