

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)

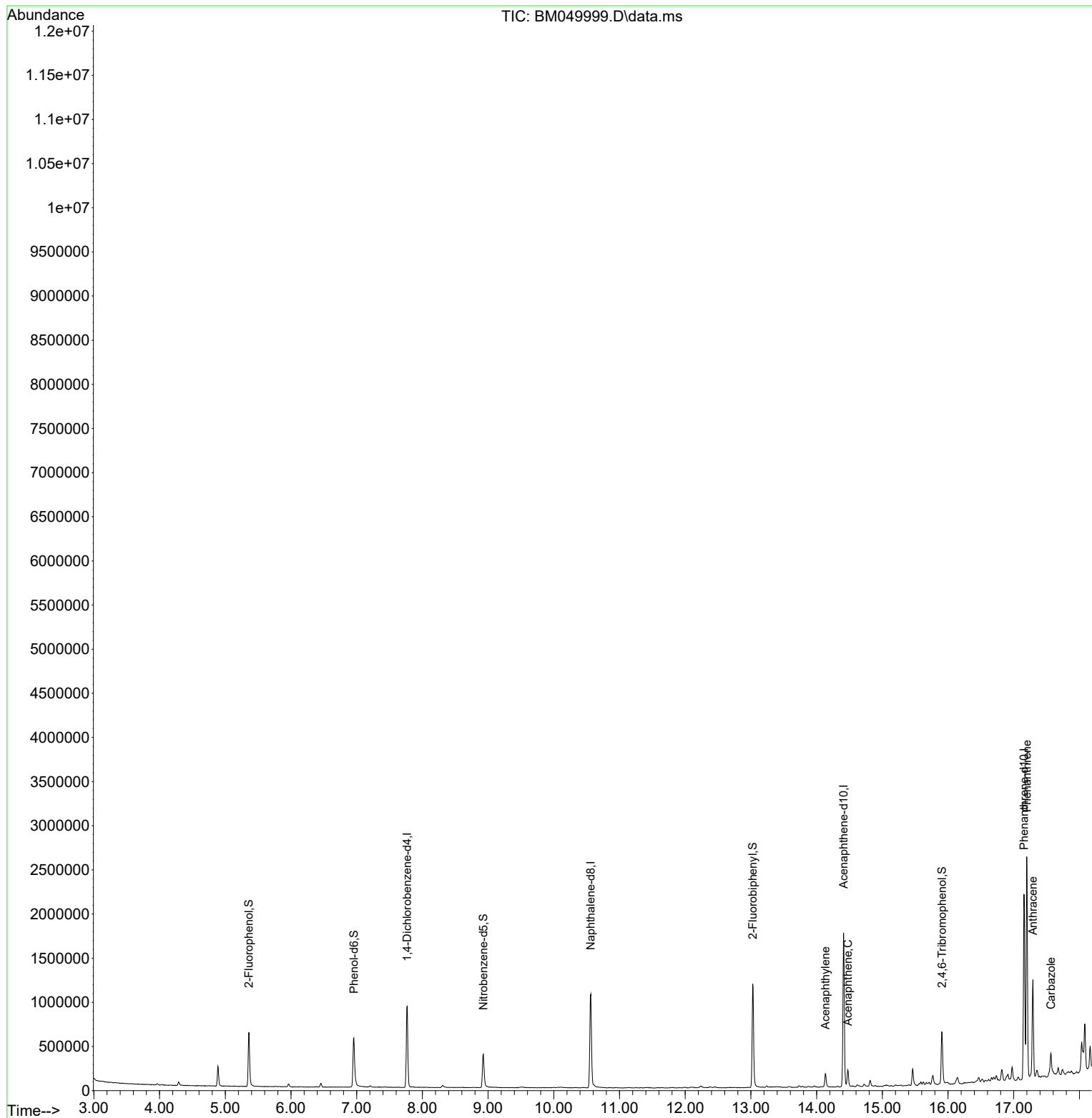
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	282424	20.000	ng	-0.01
21) Naphthalene-d8	10.563	136	985997	20.000	ng	-0.01
39) Acenaphthene-d10	14.410	164	660929	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1323063	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1300333	20.000	ng	0.00
86) 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
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	2591752m	31.545	ng	
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	23.515	252	963478m	11.753	ng	
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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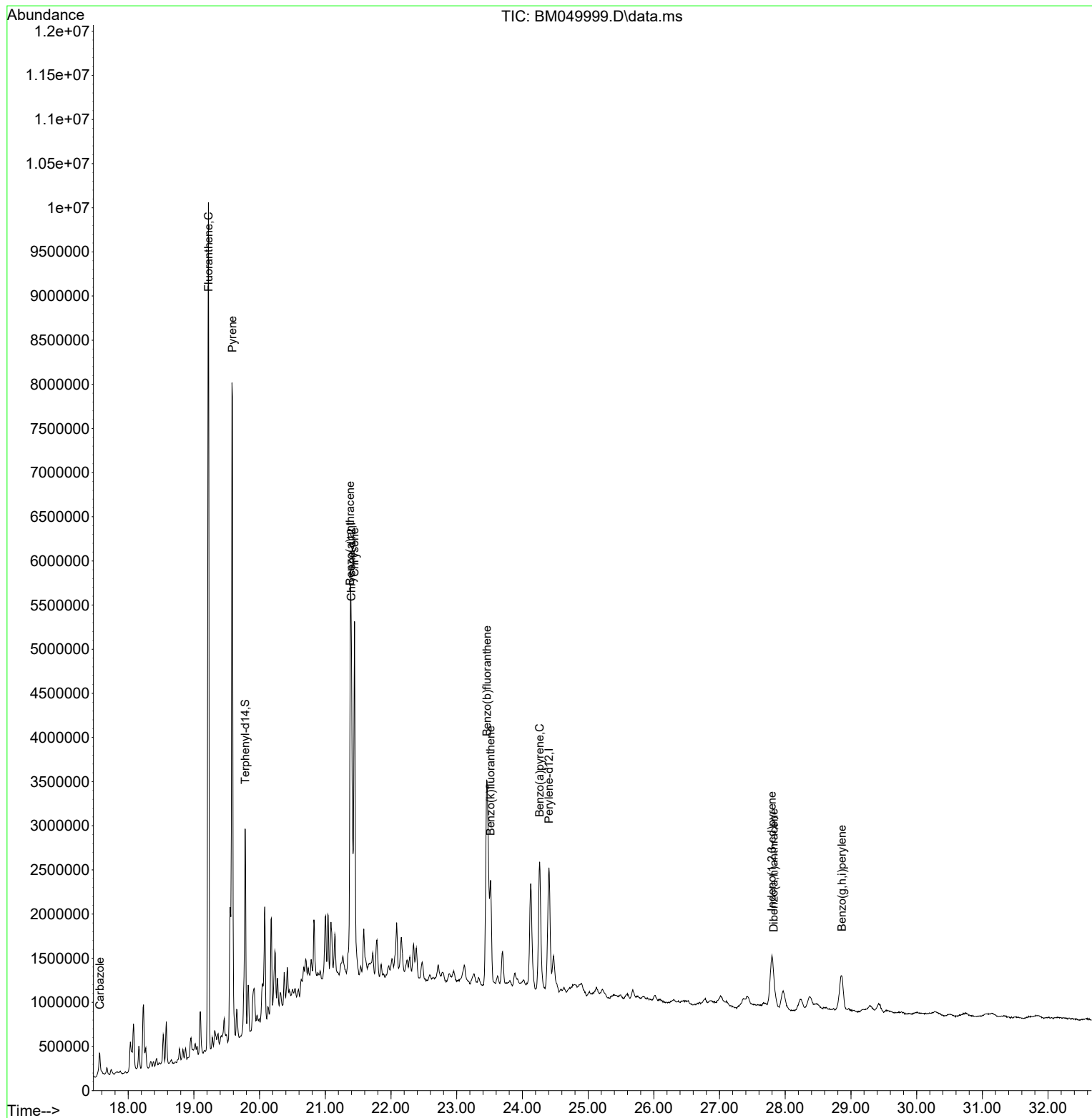
Quant Time: Apr 22 18:10:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



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 :
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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
Response via : Initial Calibration

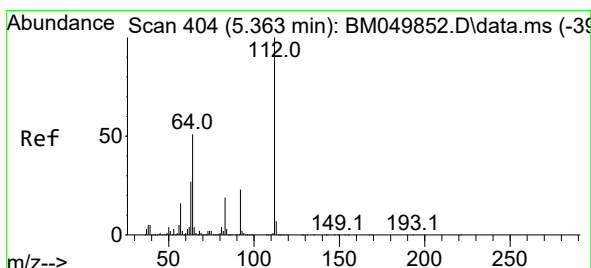
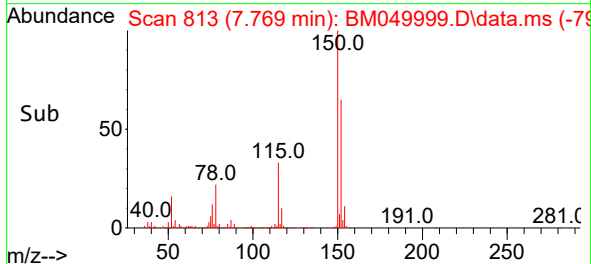
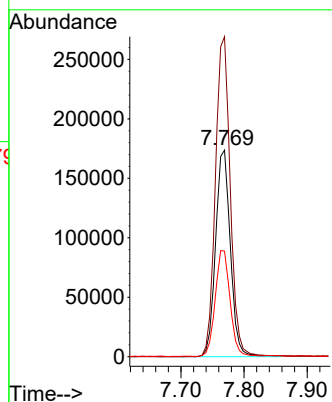
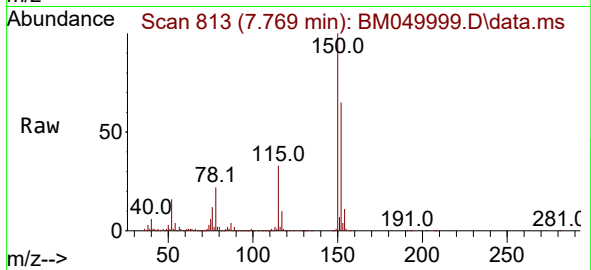




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049999.D
Acq: 22 Apr 2025 17:07

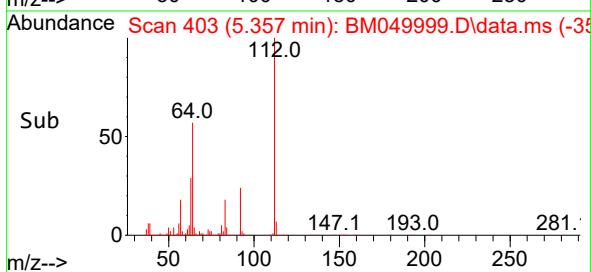
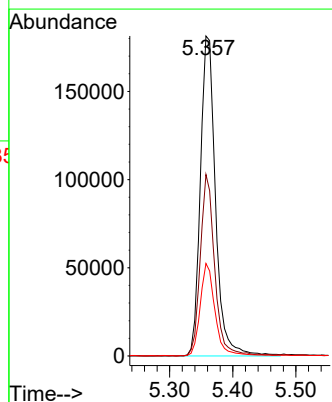
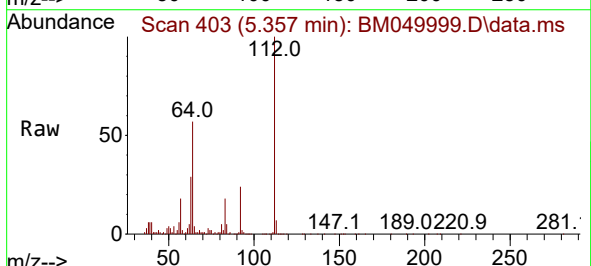
Instrument :
BNA_M
ClientSampleId :
ETGI-342DL

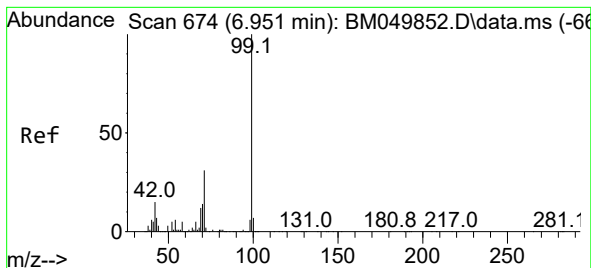
Tgt Ion:152 Resp: 282424
Ion Ratio Lower Upper
152 100
150 154.9 124.3 186.5
115 51.1 41.1 61.7



#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

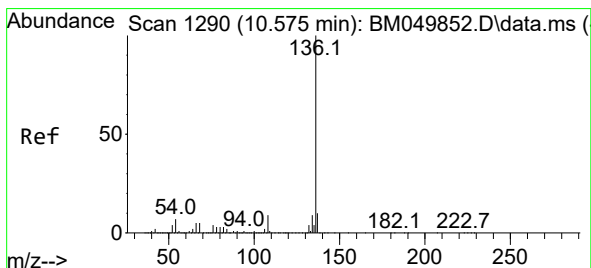
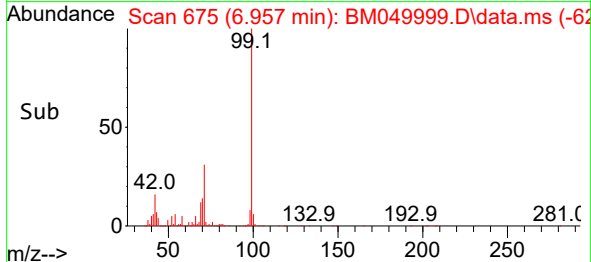
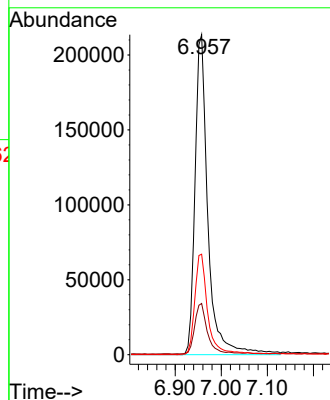
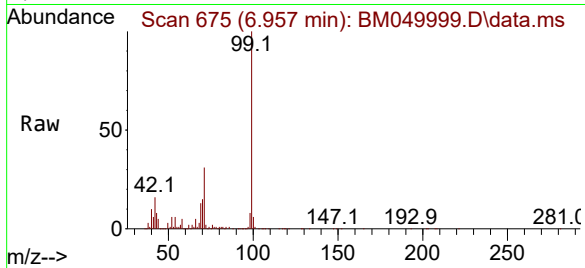
Tgt Ion: 99 Resp: 413849

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

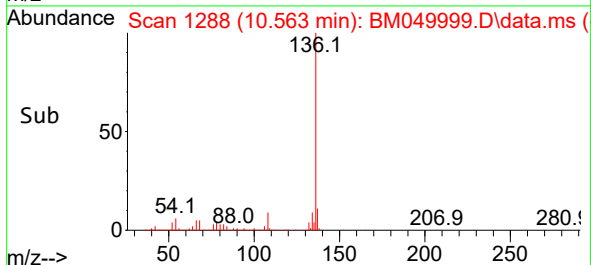
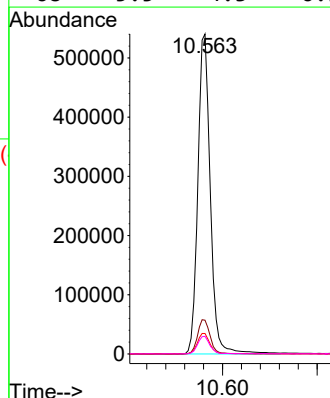
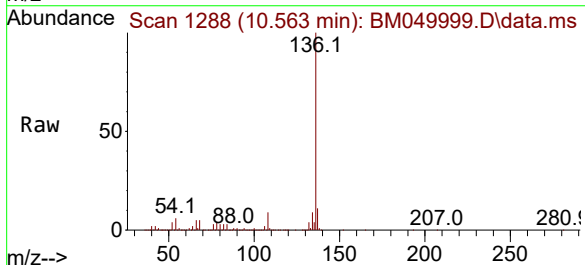
Ion Ratio Lower Upper

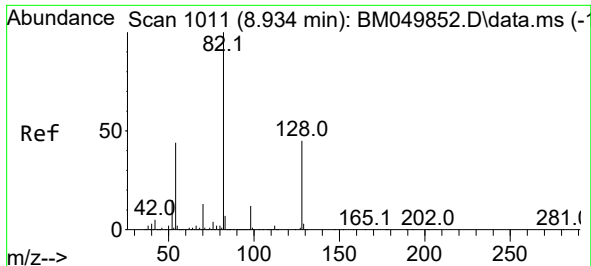
136 100

137 10.6 8.4 12.6

54 6.4 5.3 7.9

68 5.5 4.3 6.5

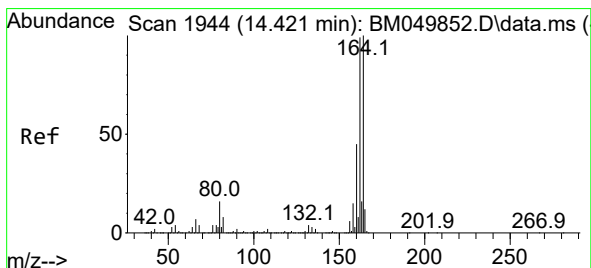
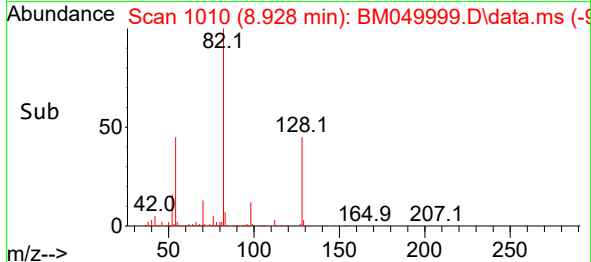
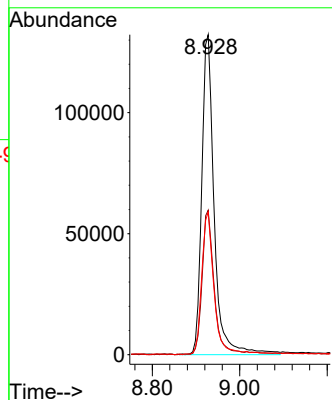
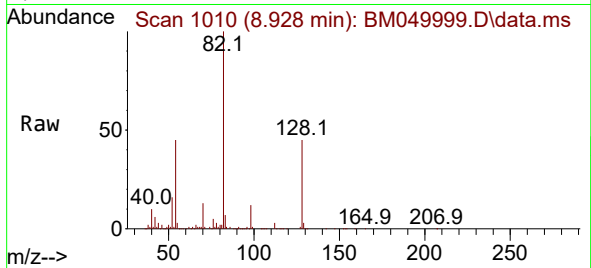




#23
Nitrobenzene-d5
Concen: 14.805 ng
RT: 8.928 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BM049999.D
Acq: 22 Apr 2025 17:07

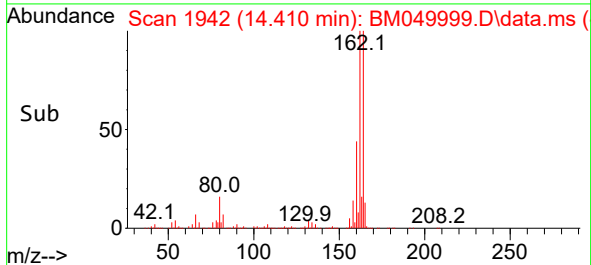
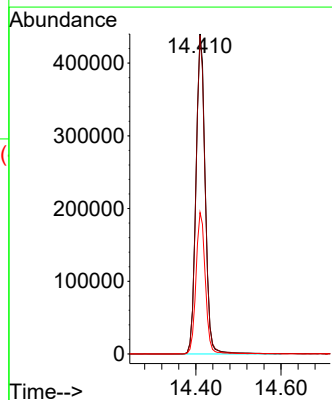
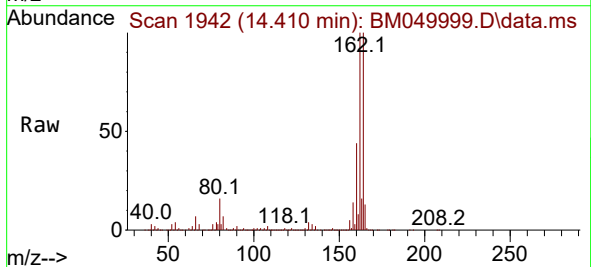
Instrument :
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ClientSampleId :
ETGI-342DL

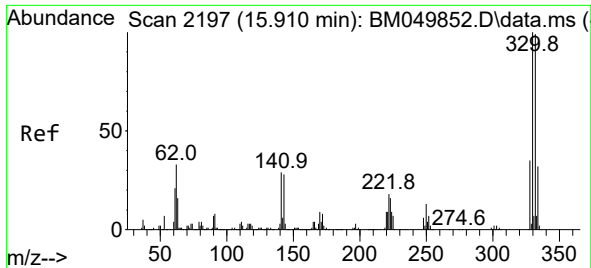
Tgt Ion: 82 Resp: 262150
Ion Ratio Lower Upper
82 100
128 45.2 36.2 54.2
54 44.6 35.0 52.6



#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

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

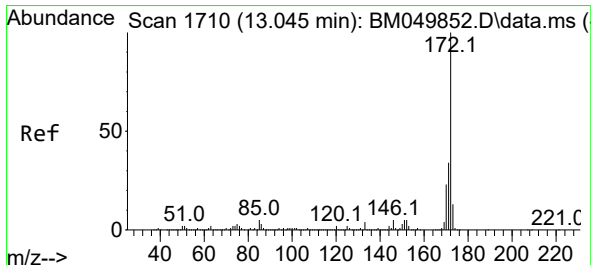
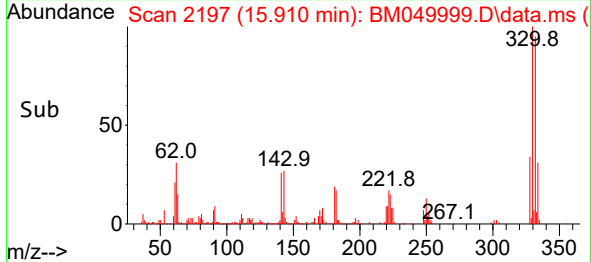
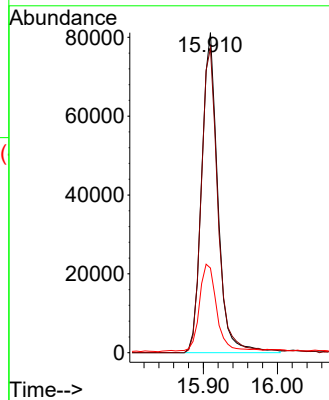
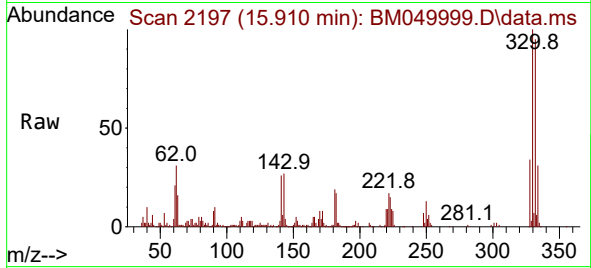




#42
2,4,6-Tribromophenol
Concen: 12.779 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049999.D
Acq: 22 Apr 2025 17:07

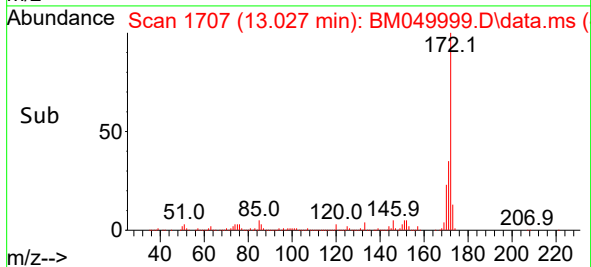
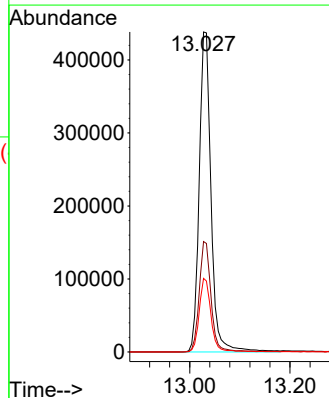
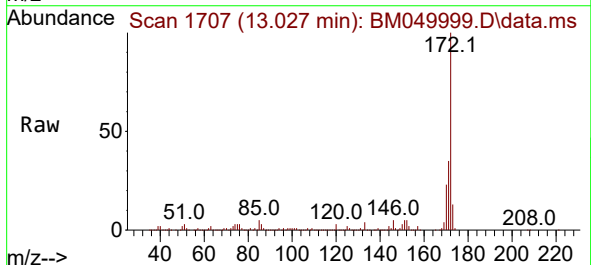
Instrument :
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ClientSampleId :
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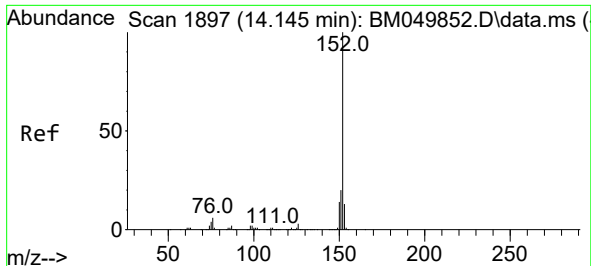
Tgt Ion:330 Resp: 122852
Ion Ratio Lower Upper
330 100
332 98.0 78.0 117.0
141 28.6 23.5 35.3



#45
2-Fluorobiphenyl
Concen: 14.681 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.018 min
Lab File: BM049999.D
Acq: 22 Apr 2025 17:07

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

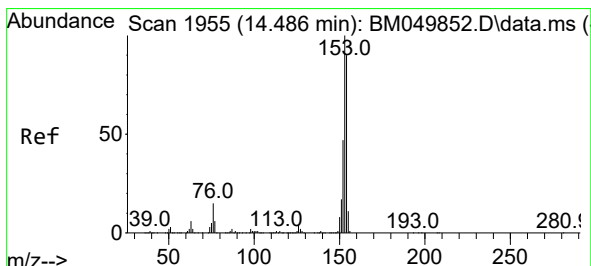
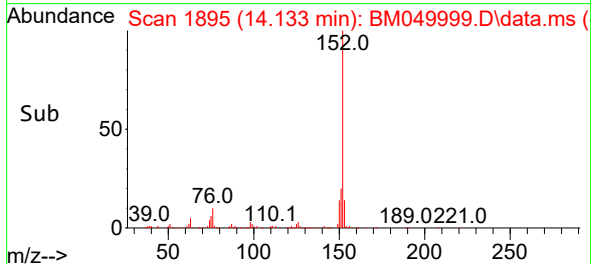
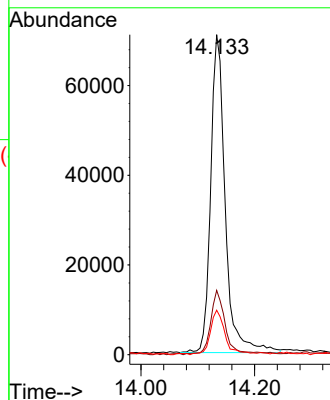
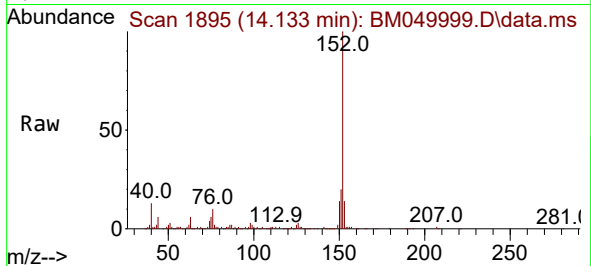




#49
Acenaphthylene
Concen: 2.233 ng
RT: 14.133 min Scan# 1895
Delta R.T. -0.012 min
Lab File: BM049999.D
Acq: 22 Apr 2025 17:07

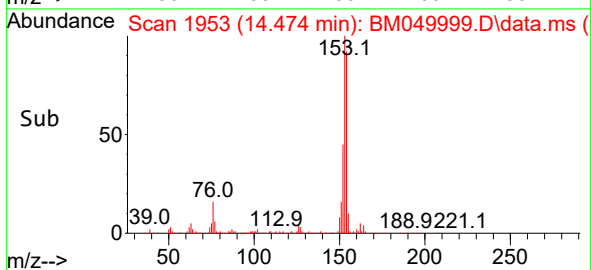
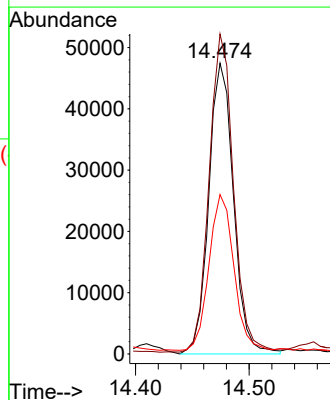
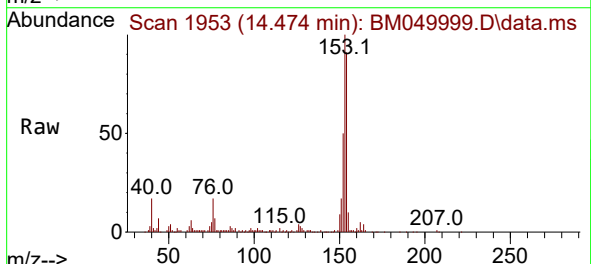
Instrument :
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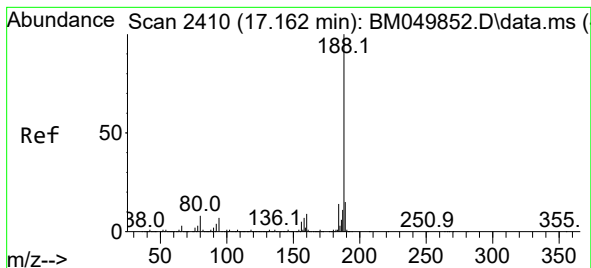
Tgt Ion:152 Resp: 125621
Ion Ratio Lower Upper
152 100
151 20.1 15.7 23.5
153 13.9 10.4 15.6



#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

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# 2410

Delta R.T. -0.006 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

Instrument :

BNA_M

ClientSampleId :

ETGI-342DL

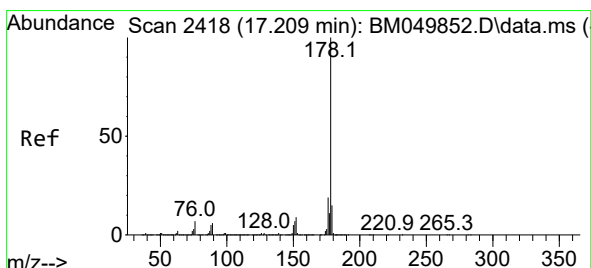
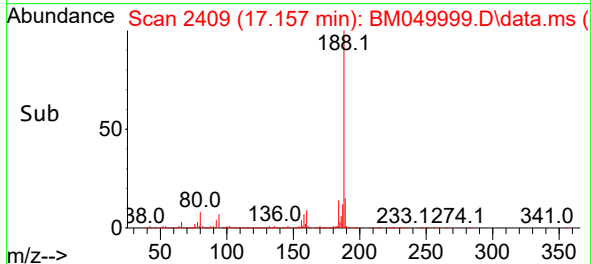
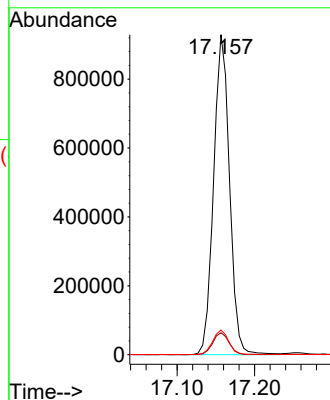
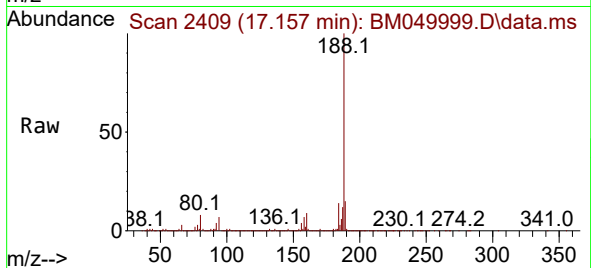
Tgt Ion:188 Resp: 1323063

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# 2416

Delta R.T. -0.012 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

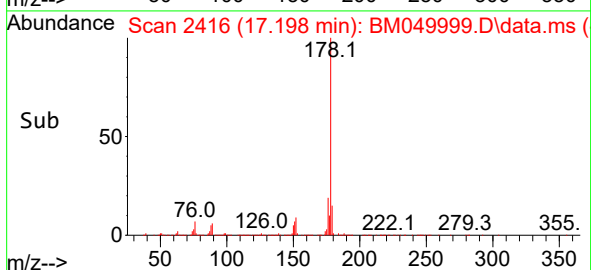
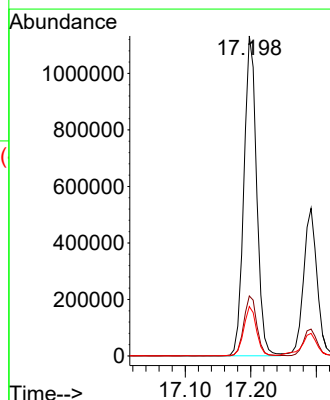
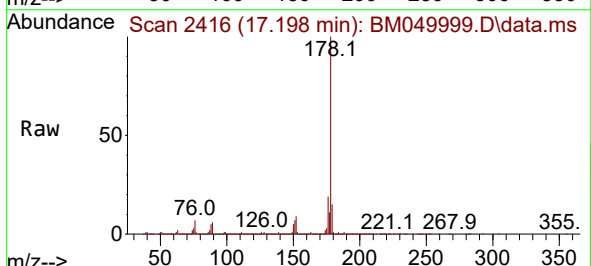
Tgt Ion:178 Resp: 1530121

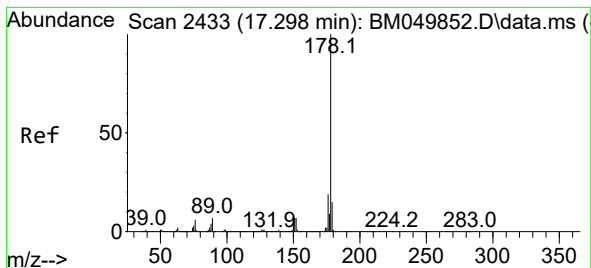
Ion Ratio Lower Upper

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# 2433

Delta R.T. -0.006 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

Instrument :

BNA_M

ClientSampleId :

ETGI-342DL

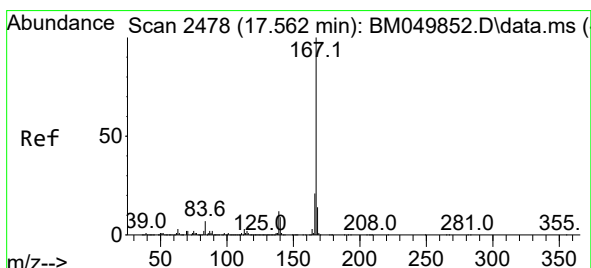
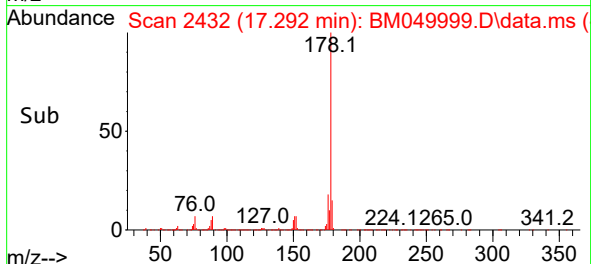
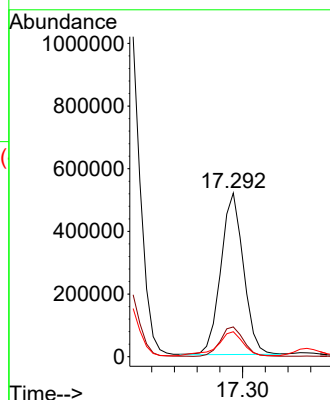
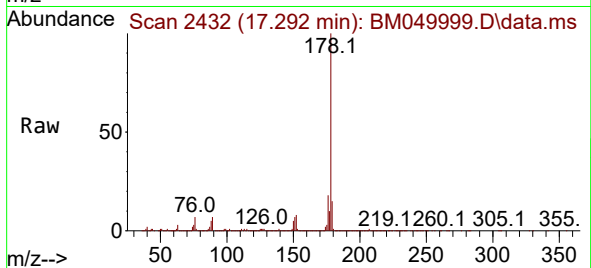
Tgt Ion:178 Resp: 715160

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# 2479

Delta R.T. 0.006 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

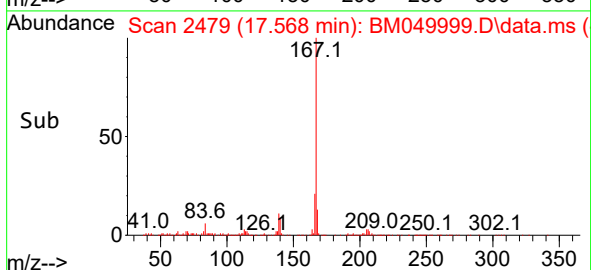
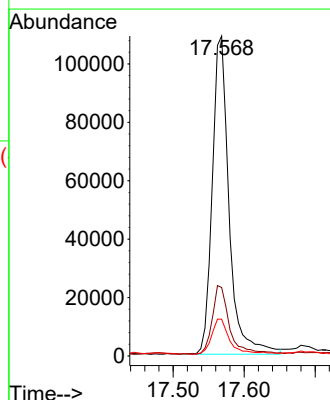
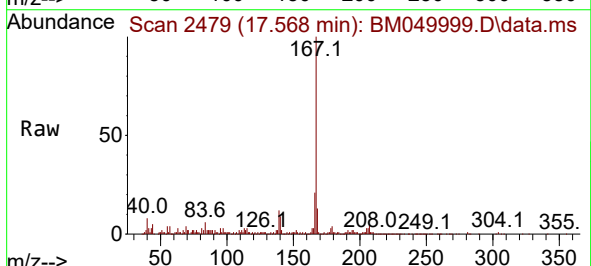
Tgt Ion:167 Resp: 178781

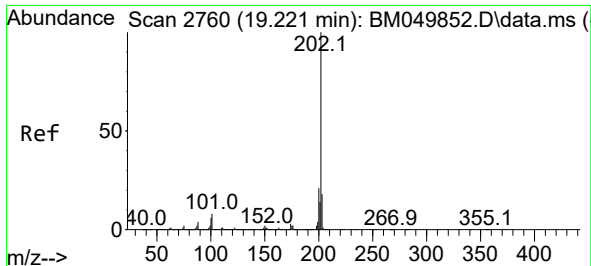
Ion Ratio Lower Upper

167 100

166 21.4 16.9 25.3

139 11.5 9.3 13.9

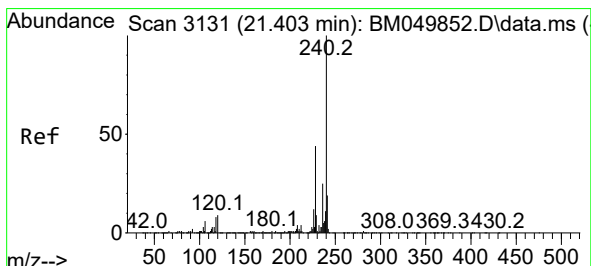
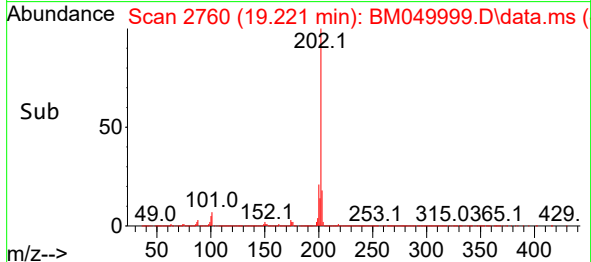
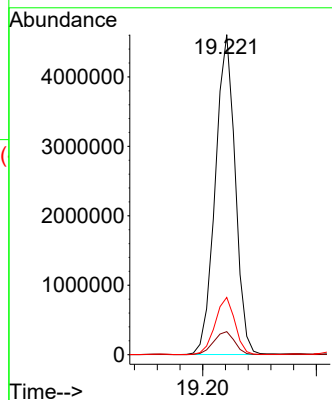
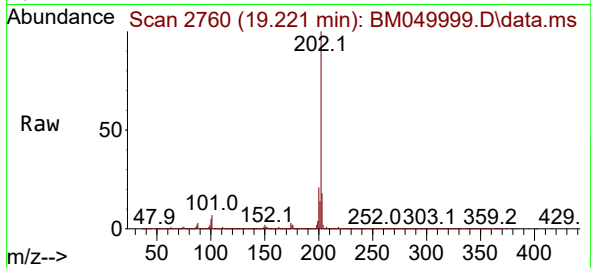




#75
Fluoranthene
Concen: 62.900 ng
RT: 19.221 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049999.D
Acq: 22 Apr 2025 17:07

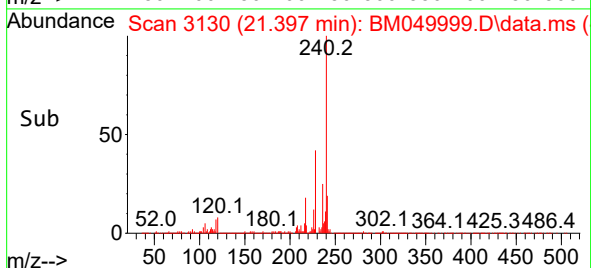
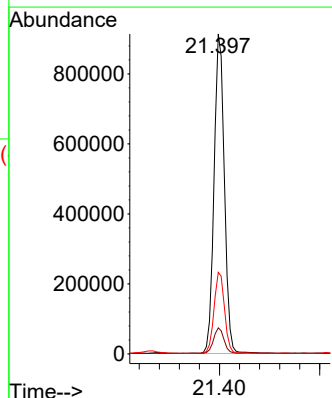
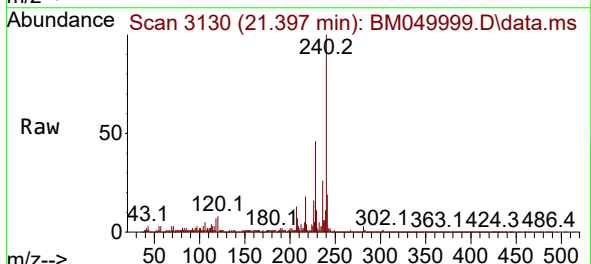
Instrument :
BNA_M
ClientSampleId :
ETGI-342DL

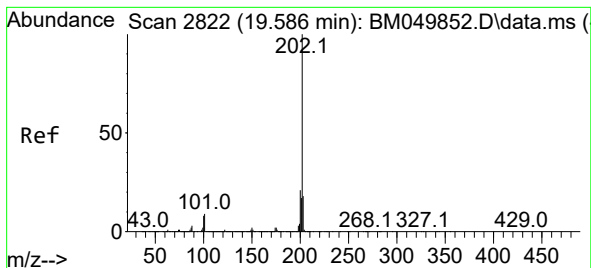
Tgt Ion:202 Resp: 5609801
Ion Ratio Lower Upper
202 100
101 7.2 0.0 28.4
203 17.9 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049999.D
Acq: 22 Apr 2025 17:07

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

Instrument :

BNA_M

ClientSampleId :

ETGI-342DL

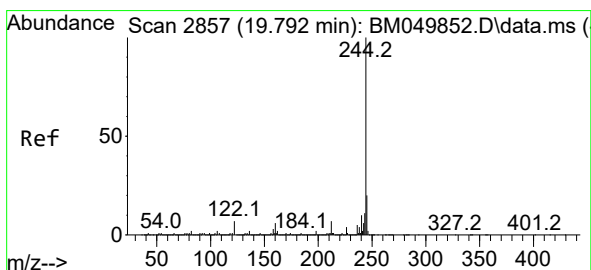
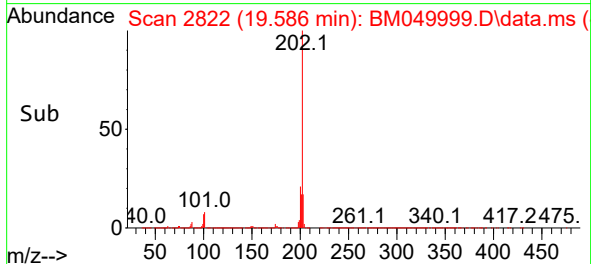
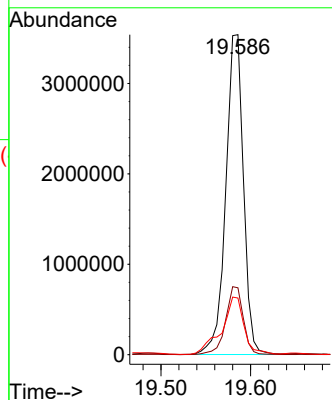
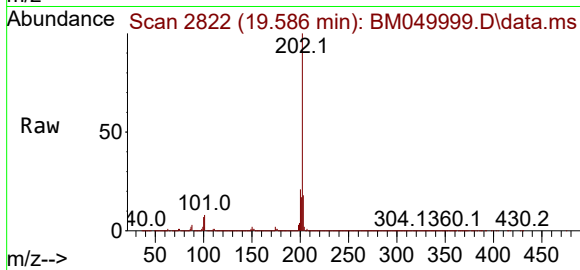
Tgt Ion:202 Resp: 4845350

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# 2855

Delta R.T. -0.012 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

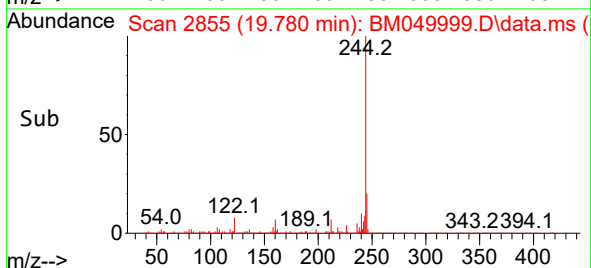
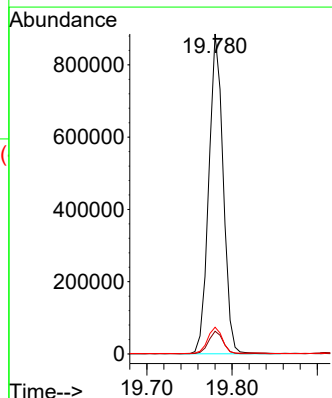
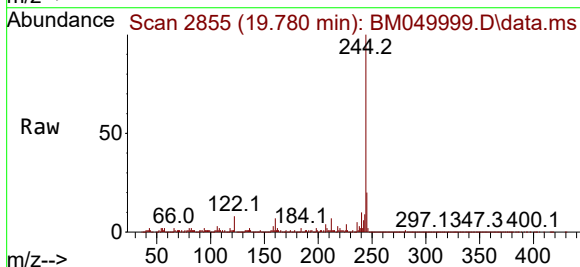
Tgt Ion:244 Resp: 1038773

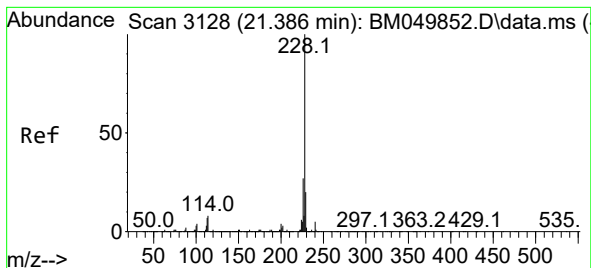
Ion Ratio Lower Upper

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

Instrument :

BNA_M

ClientSampleId :

ETGI-342DL

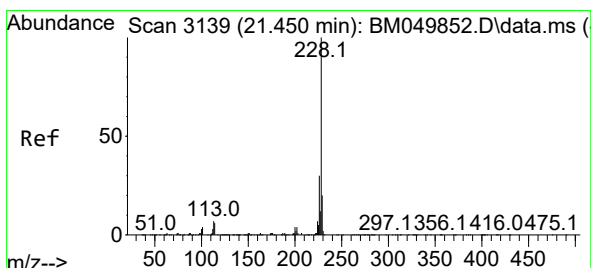
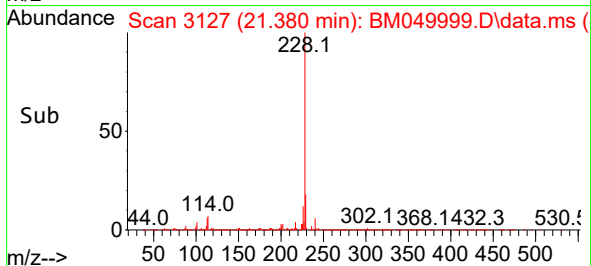
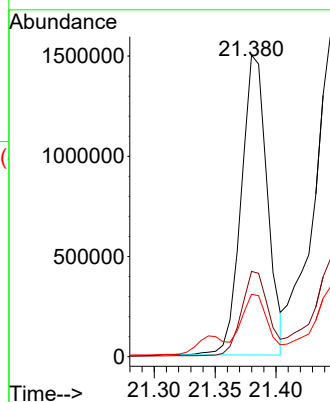
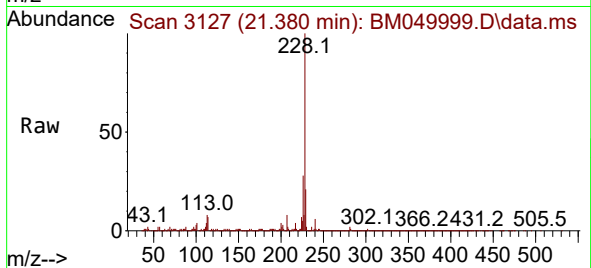
Tgt Ion:228 Resp: 2228405

Ion Ratio Lower Upper

228 100

226 28.3 21.8 32.8

229 20.7 15.8 23.8



#83

Chrysene

Concen: 31.545 ng m

RT: 21.445 min Scan# 3138

Delta R.T. -0.006 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

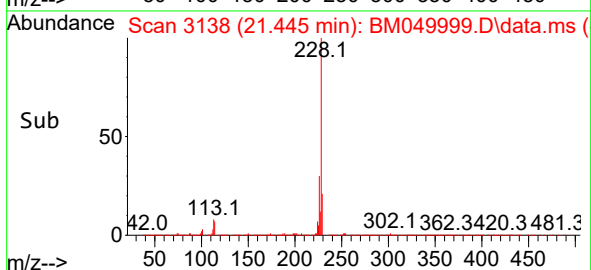
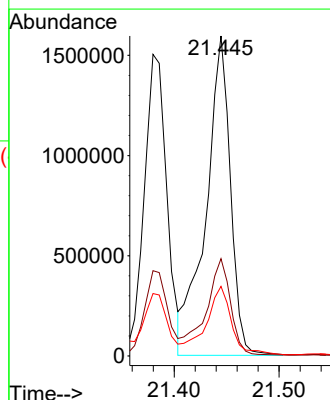
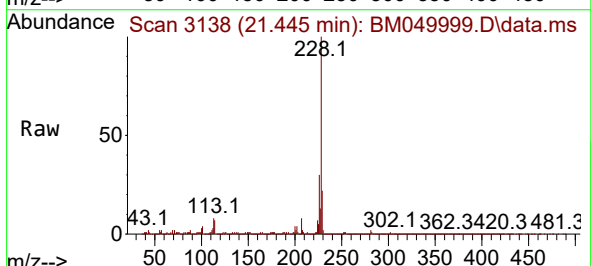
Tgt Ion:228 Resp: 2591752

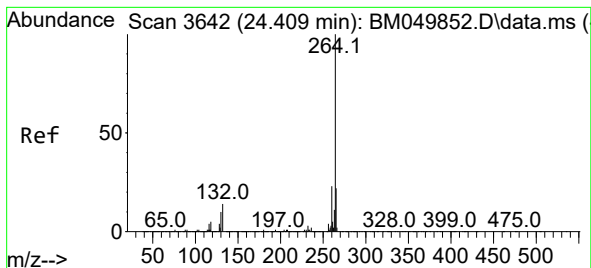
Ion Ratio Lower Upper

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# 3

Delta R.T. -0.006 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

Instrument :

BNA_M

ClientSampleId :

ETGI-342DL

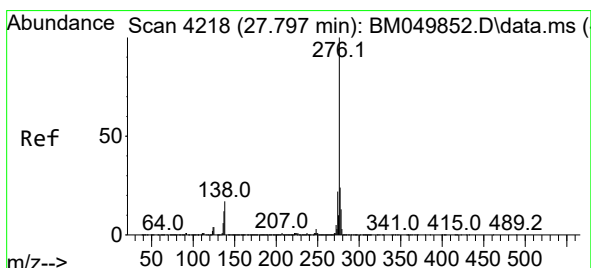
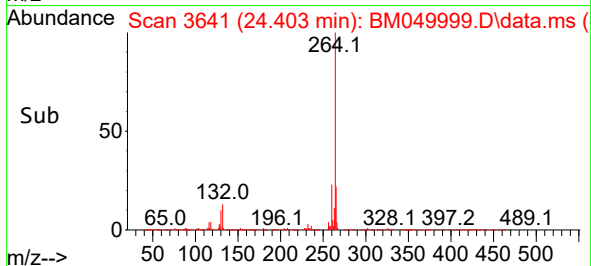
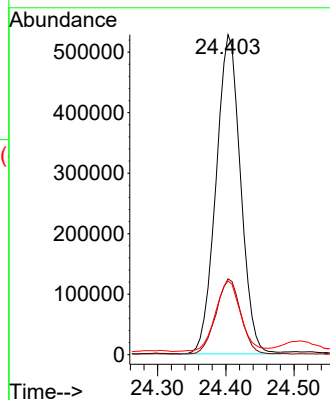
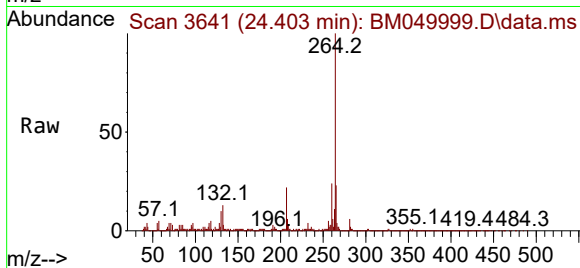
Tgt Ion:264 Resp: 1324591

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# 4218

Delta R.T. 0.000 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

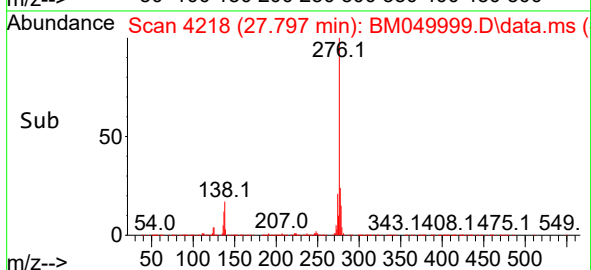
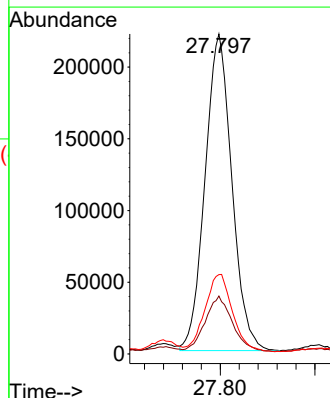
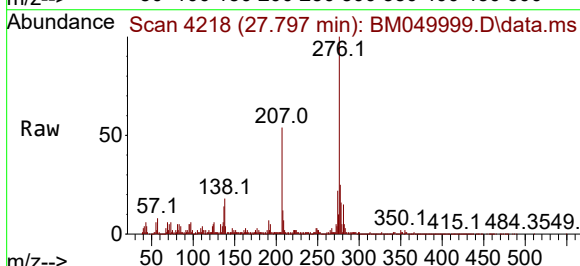
Tgt Ion:276 Resp: 868115

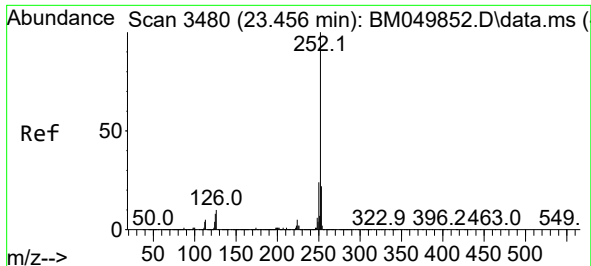
Ion Ratio Lower Upper

276 100

138 17.7 16.8 25.2

277 25.2 20.1 30.1

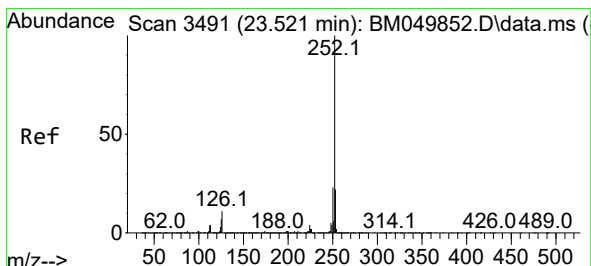
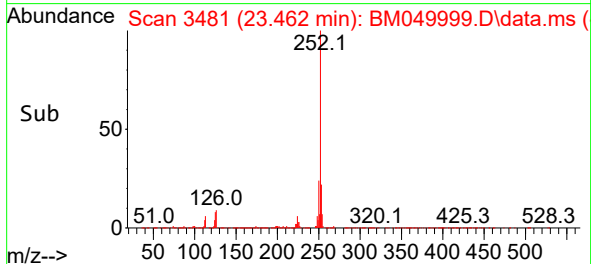
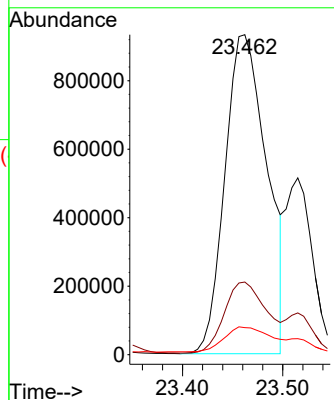
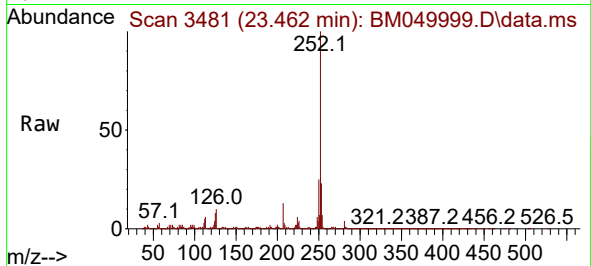




#88
Benzo(b)fluoranthene
Concen: 31.970 ng
RT: 23.462 min Scan# 3480
Delta R.T. 0.006 min
Lab File: BM049999.D
Acq: 22 Apr 2025 17:07

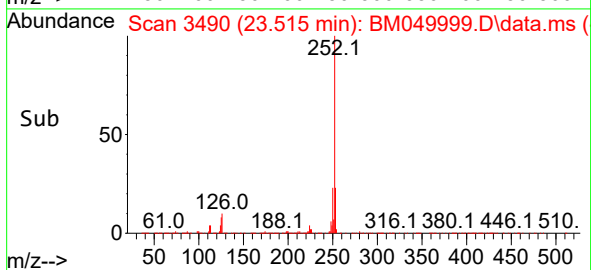
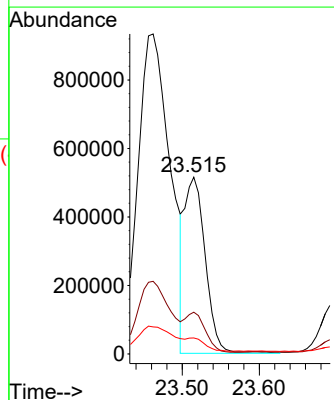
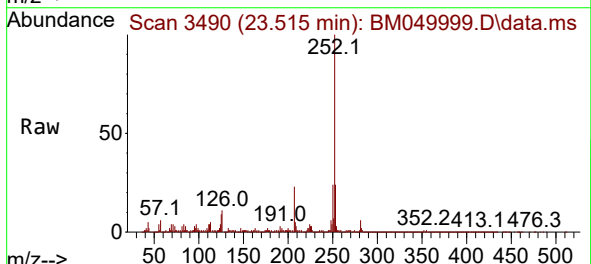
Instrument :
BNA_M
ClientSampleId :
ETGI-342DL

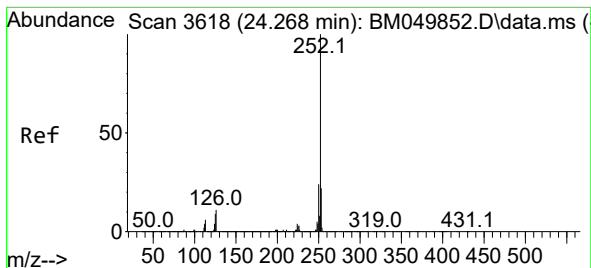
Tgt Ion:252 Resp: 2704567
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 8.5 6.2 9.4



#89
Benzo(k)fluoranthene
Concen: 11.753 ng m
RT: 23.515 min Scan# 3490
Delta R.T. -0.006 min
Lab File: BM049999.D
Acq: 22 Apr 2025 17:07

Tgt Ion:252 Resp: 963478
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.2
125 9.1 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 19.115 ng

RT: 24.262 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

Instrument :

BNA_M

ClientSampleId :

ETGI-342DL

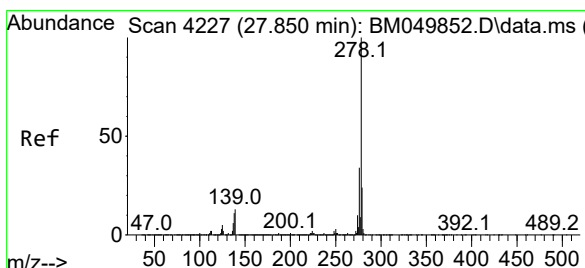
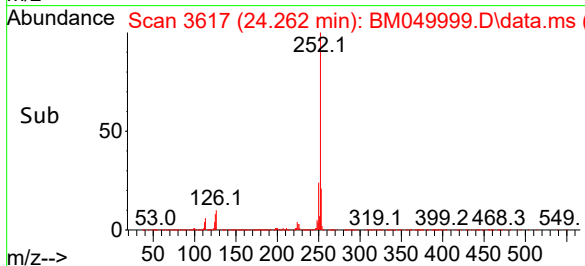
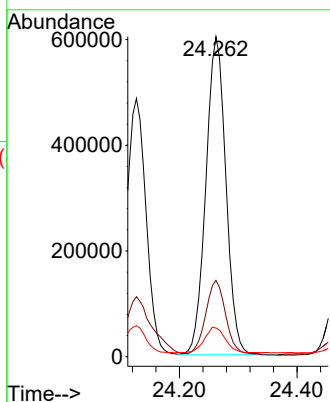
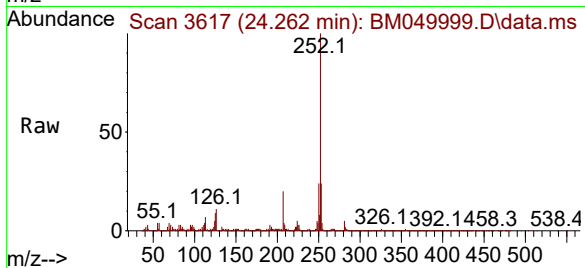
Tgt Ion:252 Resp: 1420971

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# 4223

Delta R.T. -0.023 min

Lab File: BM049999.D

Acq: 22 Apr 2025 17:07

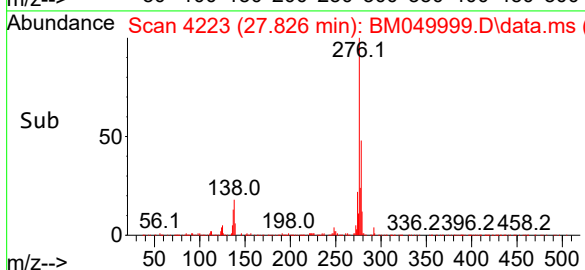
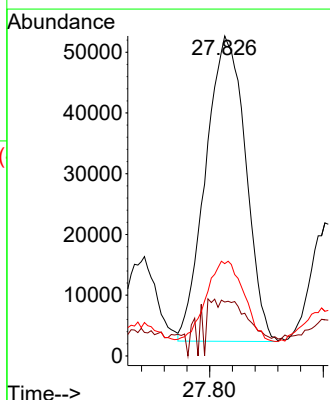
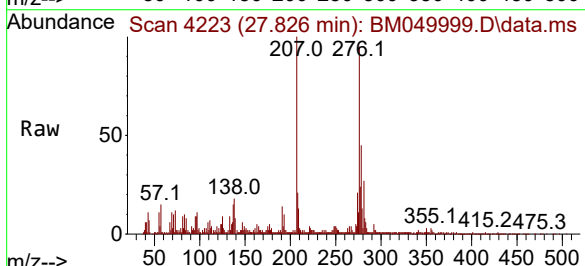
Tgt Ion:278 Resp: 244930

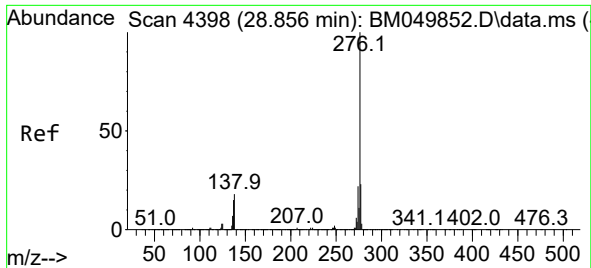
Ion Ratio Lower Upper

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# 41
 Delta R.T. 0.006 min
 Lab File: BM049999.D
 Acq: 22 Apr 2025 17:07

Instrument :
 BNA_M
 ClientSampleId :
 ETGI-342DL

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

