

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
 Data File : BM050011.D
 Acq On : 23 Apr 2025 13:19
 Operator : RC/JU
 Sample : Q1848-03DL 4X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ETGI-275DL

Quant Time: Apr 23 13:54:31 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)

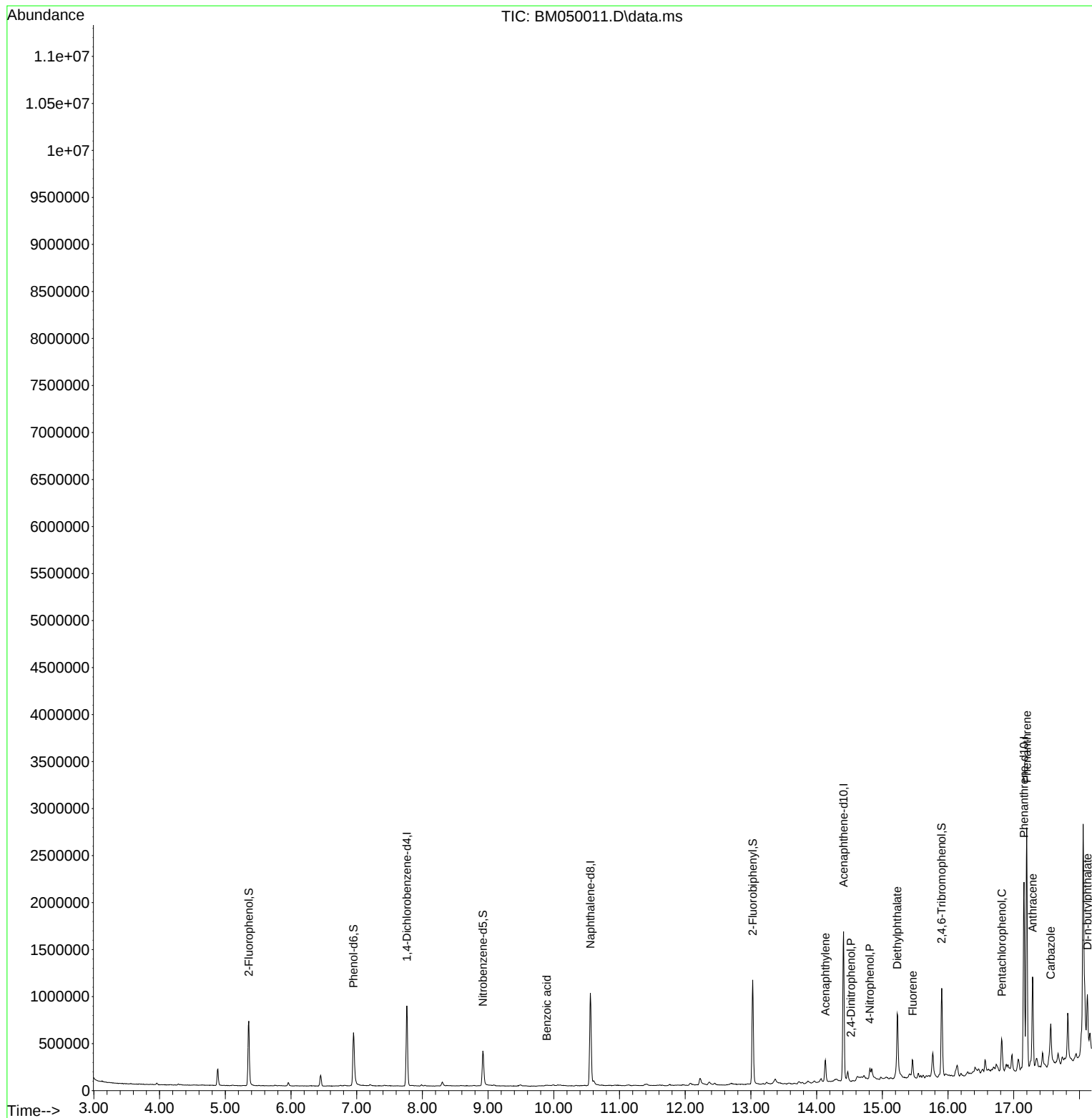
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	248004	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	876188	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	586112	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1212365	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1225858	20.000	ng	0.00
86) Perylene-d12	24.403	264	1267851	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	325523	22.288	ng	0.00
7) Phenol-d6	6.951	99	405458	22.313	ng	0.00
23) Nitrobenzene-d5	8.922	82	239889	15.246	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	187903	22.041	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	650599	15.052	ng	-0.02
79) Terphenyl-d14	19.780	244	966818	14.780	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.892	122	2780	8.741	ng	# 83
49) Acenaphthylene	14.133	152	184226	3.693	ng	99
54) 2,4-Dinitrophenol	14.521	184	80	7.236	ng	# 1
56) 4-Nitrophenol	14.810	139	26221	3.514	ng	# 17
58) Fluorene	15.463	166	92834	2.202	ng	98
60) Diethylphthalate	15.227	149	603792	15.227	ng	99
70) Pentachlorophenol	16.821	266	27643	2.326	ng	96
71) Phenanthrene	17.198	178	1579790	23.768	ng	100
72) Anthracene	17.286	178	627242	9.576	ng	100
73) Carbazole	17.562	167	284443	4.611	ng	99
74) Di-n-butylphthalate	18.121	149	500929	7.049	ng	99
75) Fluoranthene	19.215	202	5236467	64.075	ng	99
78) Pyrene	19.580	202	4738550	56.088	ng	99
81) Benzo(a)anthracene	21.380	228	1399079	17.173	ng	97
83) Chrysene	21.445	228	2777183	35.856	ng	98
84) Bis(2-ethylhexyl)phtha...	21.297	149	119349	2.580	ng	99
87) Indeno(1,2,3-cd)pyrene	27.791	276	591993	6.264	ng	96
88) Benzo(b)fluoranthene	23.456	252	2538723	31.353	ng	98
89) Benzo(k)fluoranthene	23.456	252	2538723	32.353	ng	98
90) Benzo(a)pyrene	24.262	252	835149	11.737	ng	97
92) Benzo(g,h,i)perylene	28.850	276	517515	6.506	ng	99

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

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ETGI-275DL

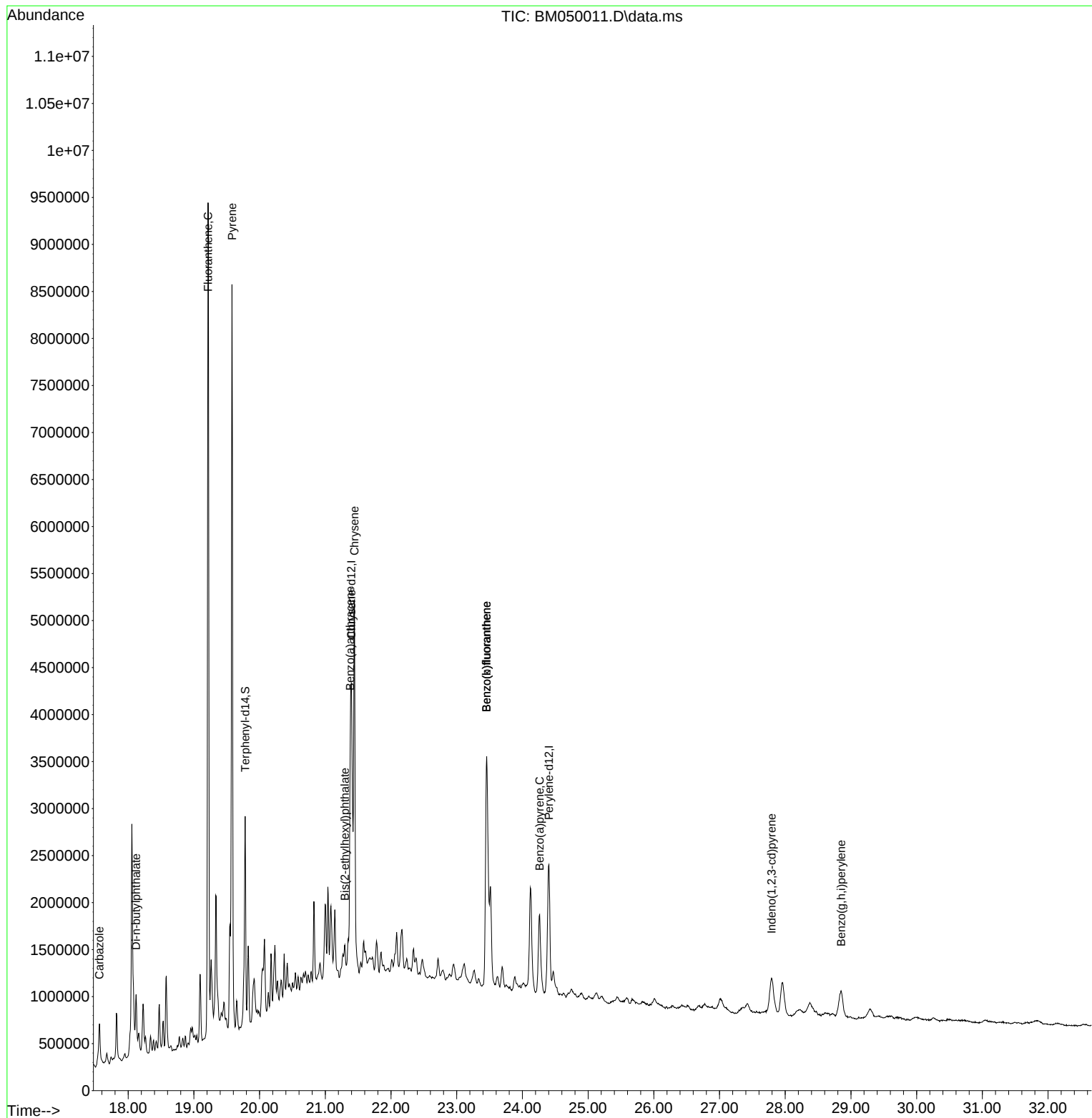
Quant Time: Apr 23 13:54:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

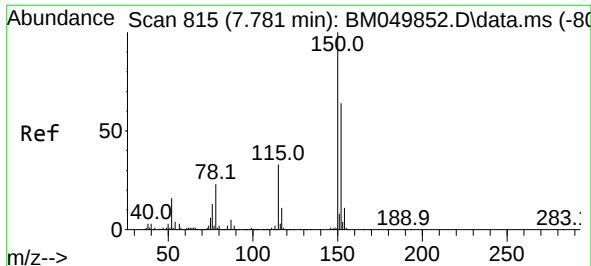


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
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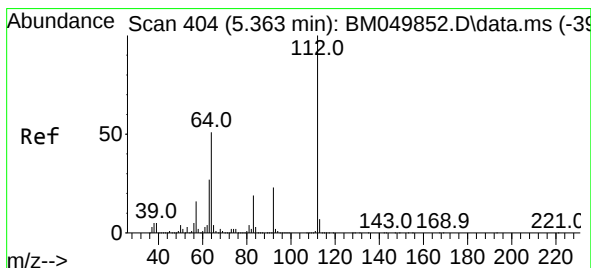
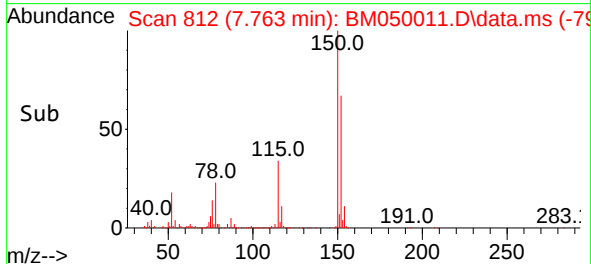
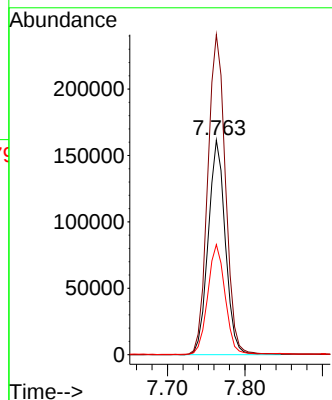
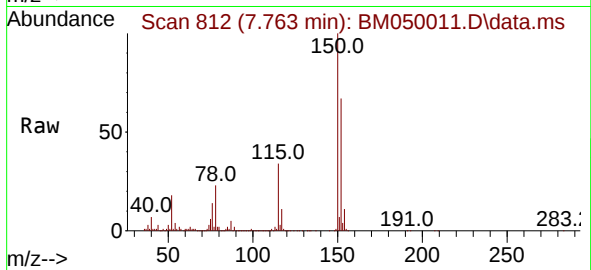




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM050011.D
Acq: 23 Apr 2025 13:19

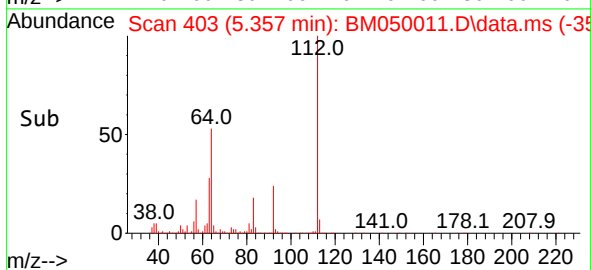
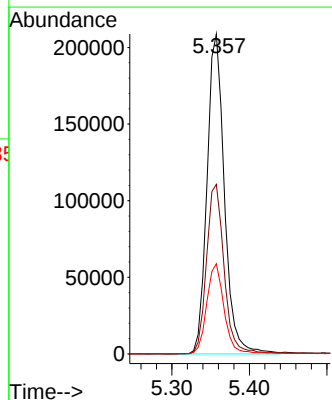
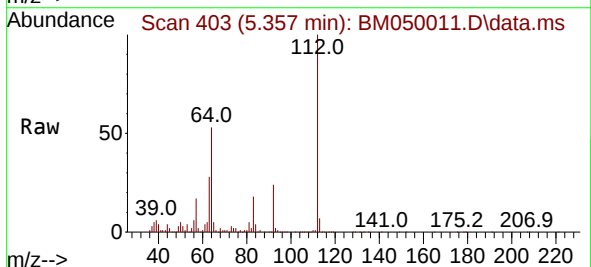
Instrument :
BNA_M
ClientSampleId :
ETGI-275DL

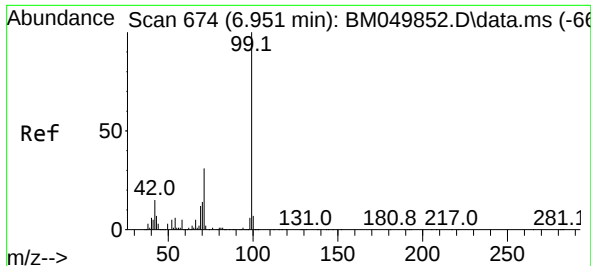
Tgt Ion:152 Resp: 248004
Ion Ratio Lower Upper
152 100
150 149.2 124.3 186.5
115 51.3 41.1 61.7



#5
2-Fluorophenol
Concen: 22.288 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM050011.D
Acq: 23 Apr 2025 13:19

Tgt Ion:112 Resp: 325523
Ion Ratio Lower Upper
112 100
64 53.0 41.0 61.6
63 28.2 21.5 32.3

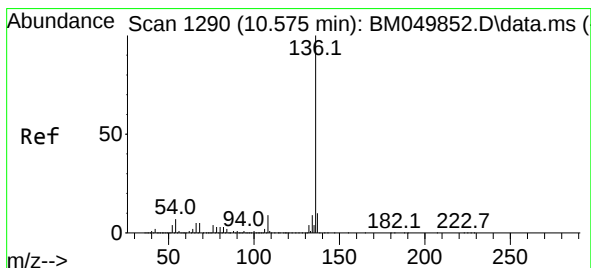
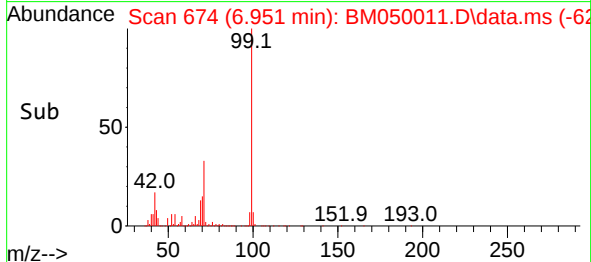
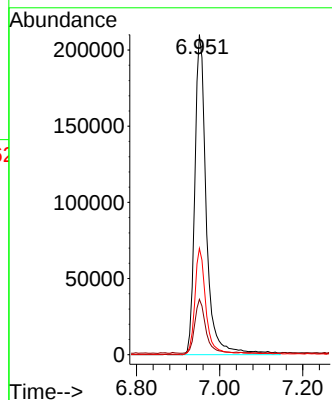
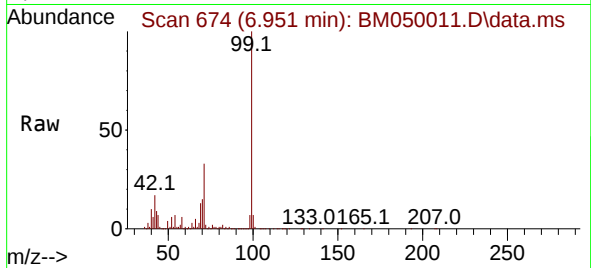




#7
Phenol-d6
Concen: 22.313 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM050011.D
Acq: 23 Apr 2025 13:19

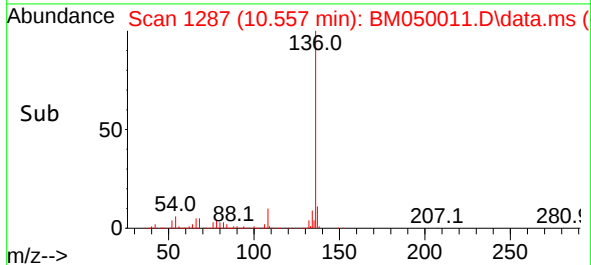
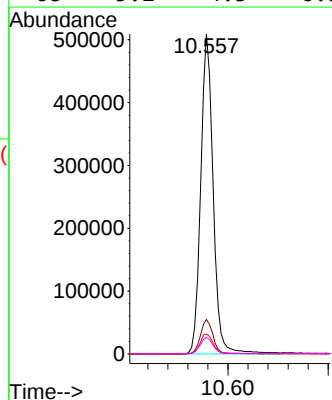
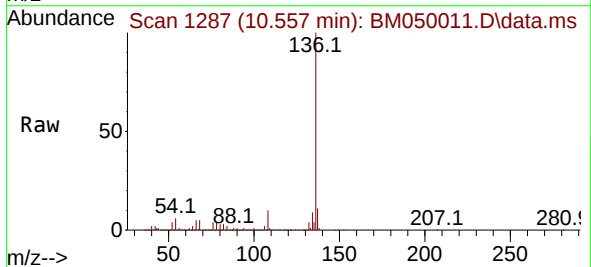
Instrument :
BNA_M
ClientSampleId :
ETGI-275DL

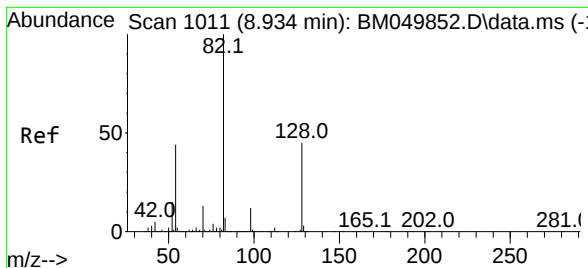
Tgt Ion: 99 Resp: 405458
Ion Ratio Lower Upper
99 100
42 17.3 12.1 18.1
71 33.2 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM050011.D
Acq: 23 Apr 2025 13:19

Tgt Ion: 136 Resp: 876188
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 6.2 5.3 7.9
68 5.2 4.3 6.5

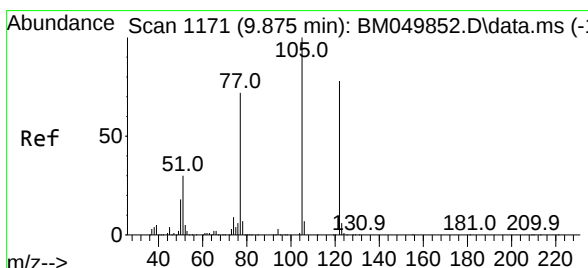
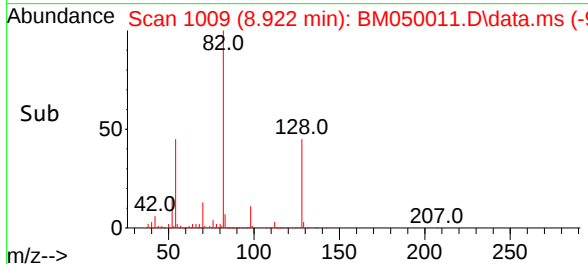
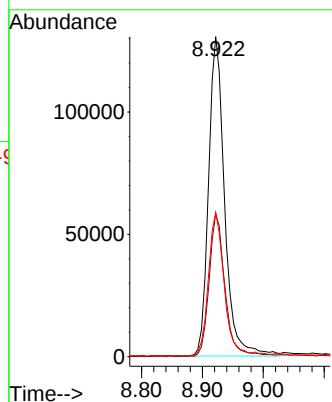
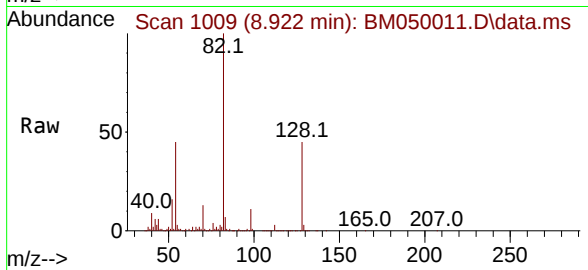




#23
Nitrobenzene-d5
Concen: 15.246 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BM050011.D
Acq: 23 Apr 2025 13:19

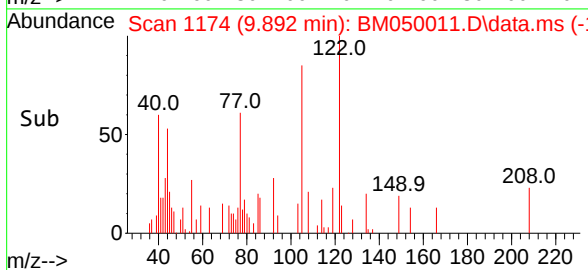
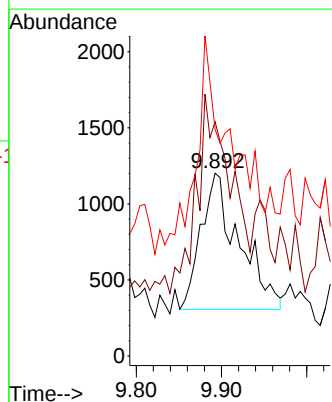
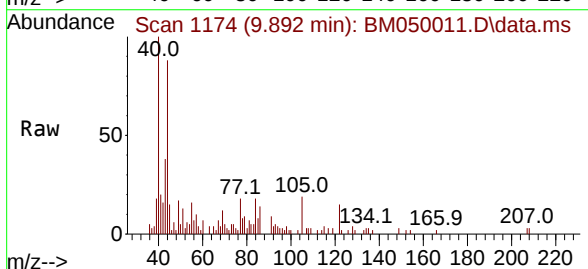
Instrument :
BNA_M
ClientSampleId :
ETGI-275DL

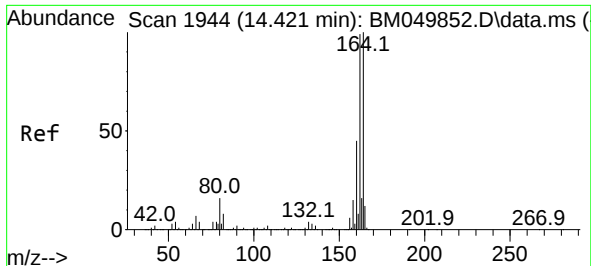
Tgt Ion: 82 Resp: 239889
Ion Ratio Lower Upper
82 100
128 44.7 36.2 54.2
54 45.0 35.0 52.6



#32
Benzoic acid
Concen: 8.741 ng
RT: 9.892 min Scan# 1174
Delta R.T. 0.017 min
Lab File: BM050011.D
Acq: 23 Apr 2025 13:19

Tgt Ion:122 Resp: 2780
Ion Ratio Lower Upper
122 100
105 128.2 103.8 143.8
77 124.1 70.7 110.7#

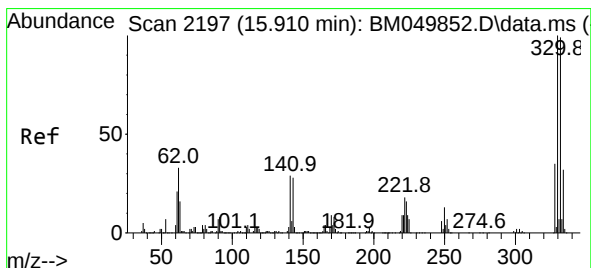
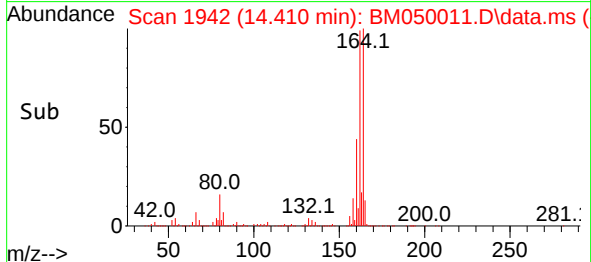
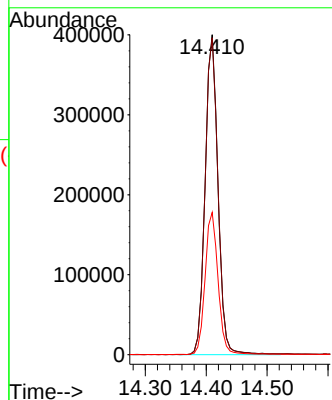
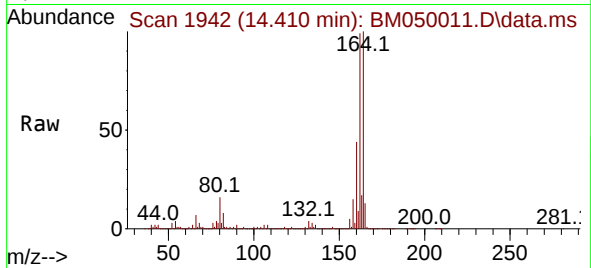




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM050011.D
Acq: 23 Apr 2025 13:19

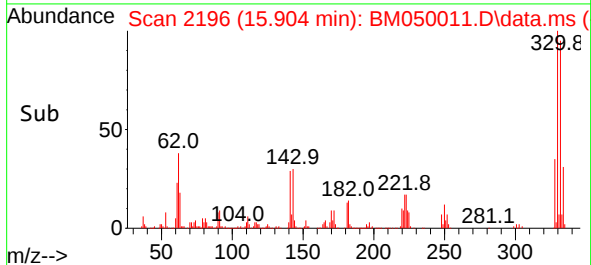
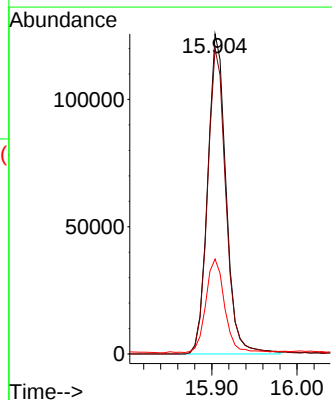
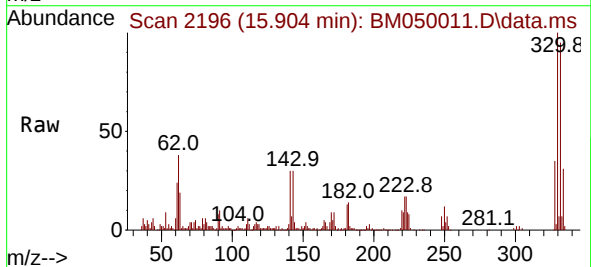
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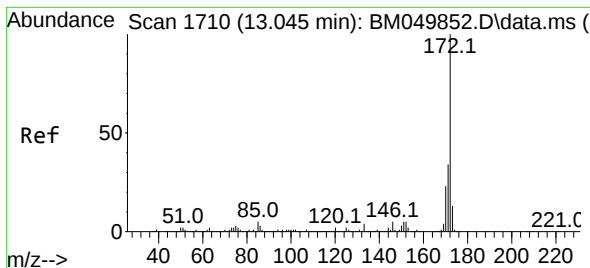
Tgt Ion:164 Resp: 586112
Ion Ratio Lower Upper
164 100
162 99.1 79.4 119.0
160 44.5 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 22.041 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM050011.D
Acq: 23 Apr 2025 13:19

Tgt Ion:330 Resp: 187903
Ion Ratio Lower Upper
330 100
332 96.0 78.0 117.0
141 29.7 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 15.052 ng

RT: 13.027 min Scan# 1

Delta R.T. -0.018 min

Lab File: BM050011.D

Acq: 23 Apr 2025 13:19

Instrument :

BNA_M

ClientSampleId :

ETGI-275DL

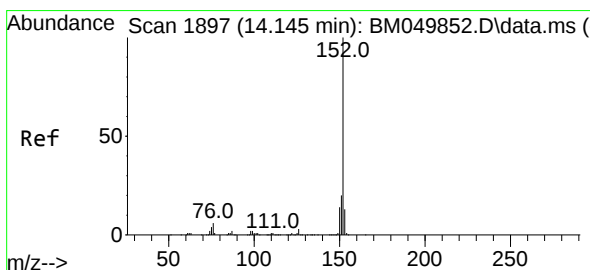
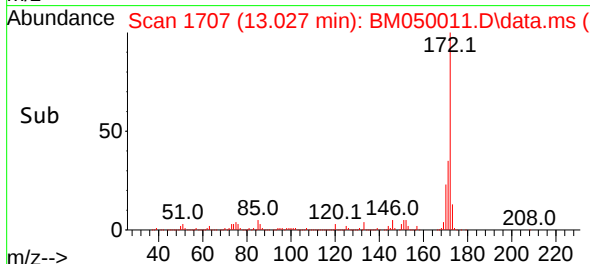
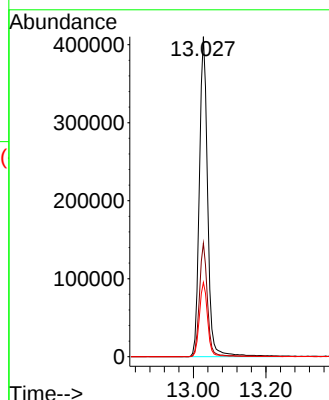
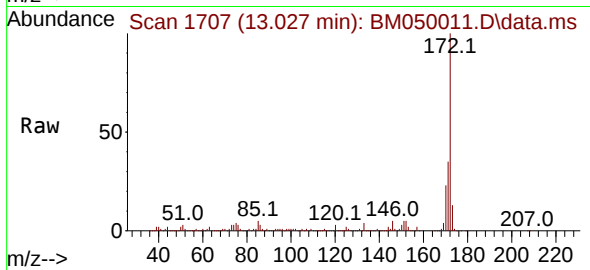
Tgt Ion:172 Resp: 650599

Ion Ratio Lower Upper

172 100

171 35.5 27.4 41.2

170 23.2 18.6 28.0



#49

Acenaphthylene

Concen: 3.693 ng

RT: 14.133 min Scan# 1895

Delta R.T. -0.012 min

Lab File: BM050011.D

Acq: 23 Apr 2025 13:19

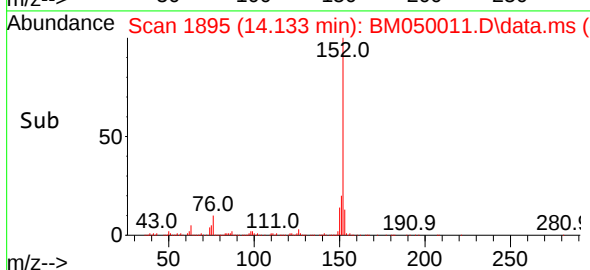
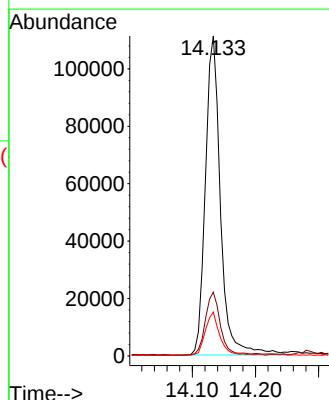
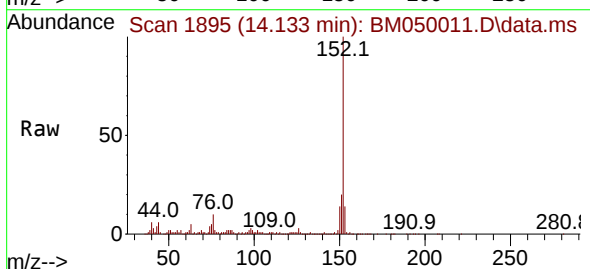
Tgt Ion:152 Resp: 184226

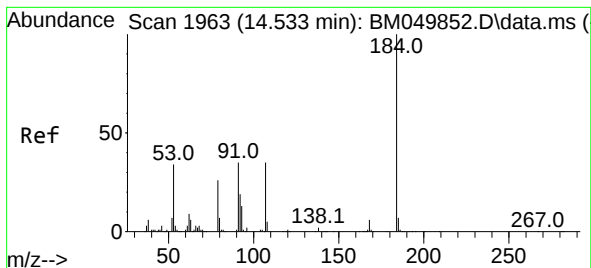
Ion Ratio Lower Upper

152 100

151 19.9 15.7 23.5

153 13.7 10.4 15.6

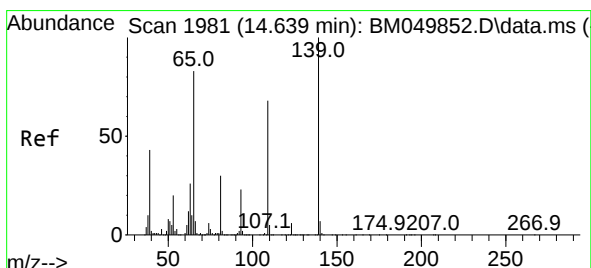
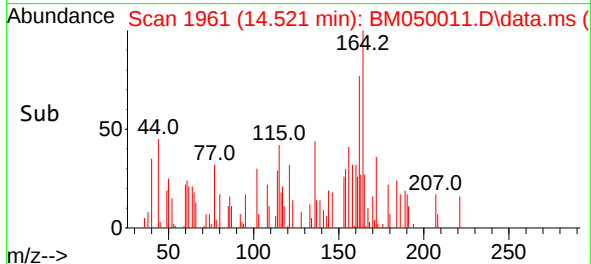
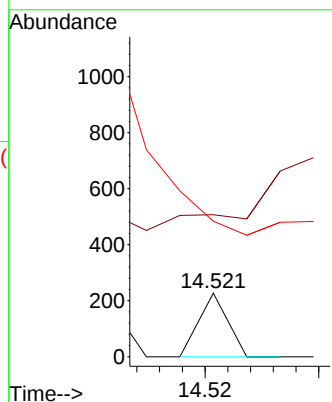
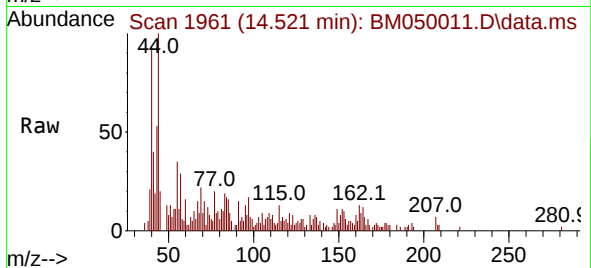




#54
2,4-Dinitrophenol
Concen: 7.236 ng
RT: 14.521 min Scan# 1963
Delta R.T. -0.012 min
Lab File: BM050011.D
Acq: 23 Apr 2025 13:19

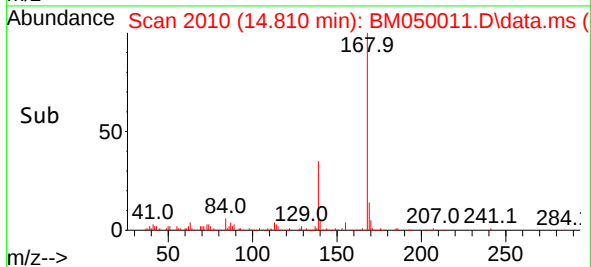
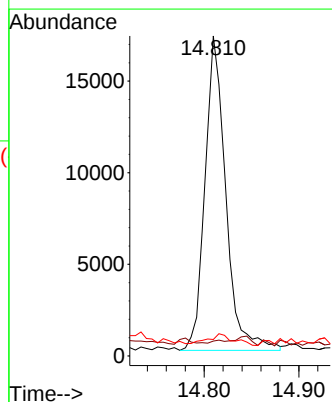
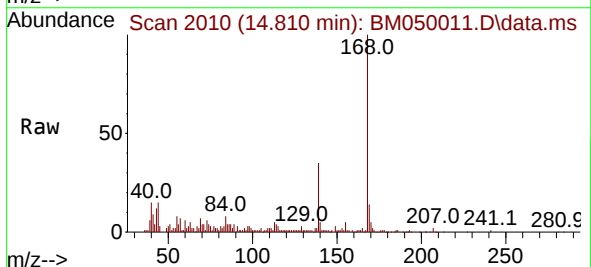
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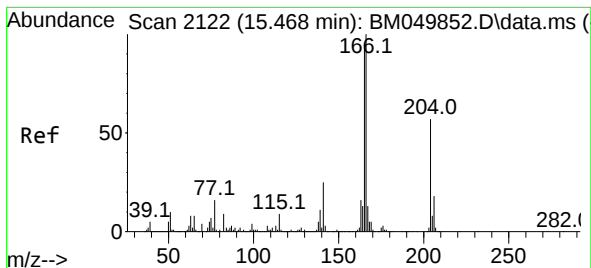
Tgt Ion:184 Resp: 80
Ion Ratio Lower Upper
184 100
63 223.3 38.4 57.6#
154 213.2 48.1 72.1#



#56
4-Nitrophenol
Concen: 3.514 ng
RT: 14.810 min Scan# 2010
Delta R.T. 0.171 min
Lab File: BM050011.D
Acq: 23 Apr 2025 13:19

Tgt Ion:139 Resp: 26221
Ion Ratio Lower Upper
139 100
109 4.6 47.9 87.9#
65 5.1 62.7 102.7#





#58

Fluorene

Concen: 2.202 ng

RT: 15.463 min Scan# 2121

Delta R.T. -0.006 min

Lab File: BM050011.D

Acq: 23 Apr 2025 13:19

Instrument :

BNA_M

ClientSampleId :

ETGI-275DL

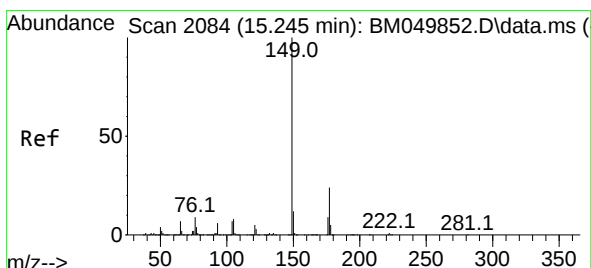
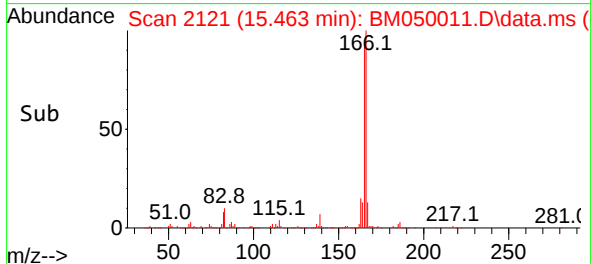
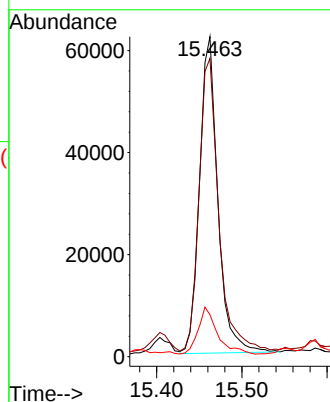
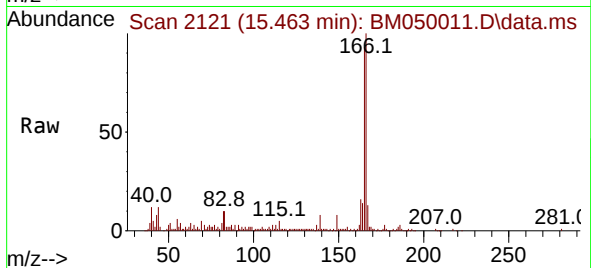
Tgt Ion:166 Resp: 92834

Ion Ratio Lower Upper

166 100

165 93.2 76.3 114.5

167 13.1 10.7 16.1



#60

Diethylphthalate

Concen: 15.227 ng

RT: 15.227 min Scan# 2081

Delta R.T. -0.018 min

Lab File: BM050011.D

Acq: 23 Apr 2025 13:19

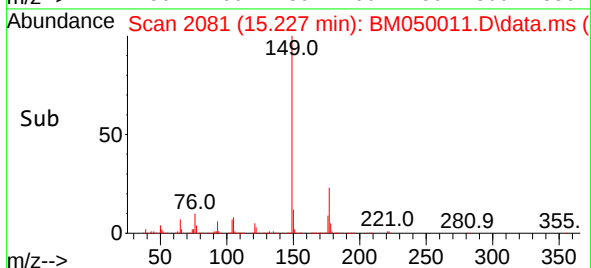
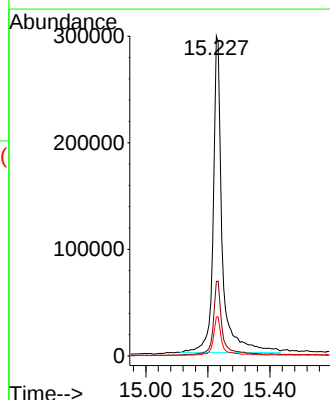
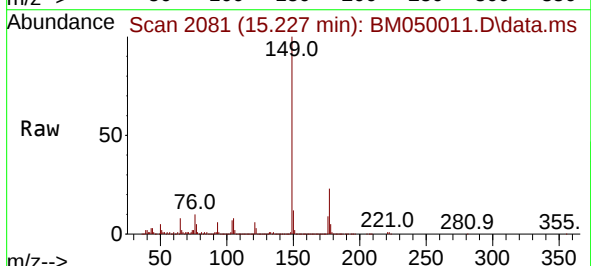
Tgt Ion:149 Resp: 603792

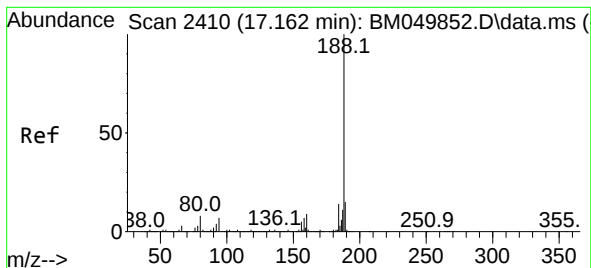
Ion Ratio Lower Upper

149 100

177 23.3 19.0 28.4

150 12.2 9.7 14.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2410

Delta R.T. -0.006 min

Lab File: BM050011.D

Acq: 23 Apr 2025 13:19

Instrument :

BNA_M

ClientSampleId :

ETGI-275DL

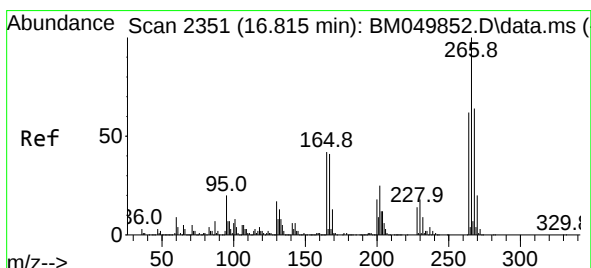
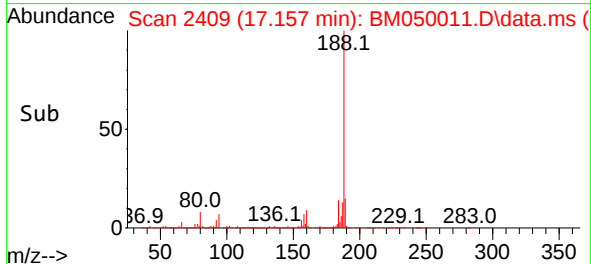
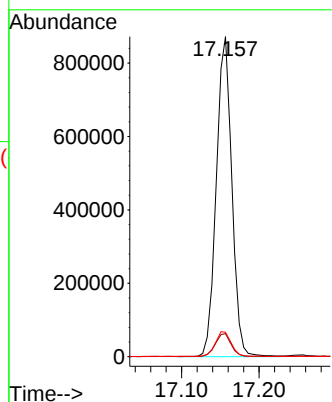
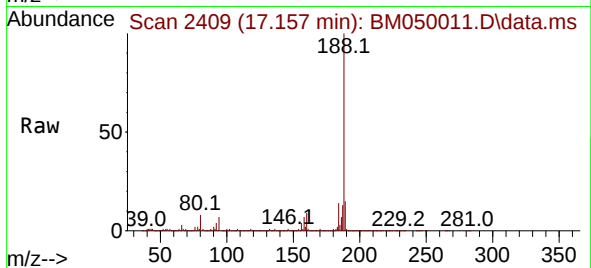
Tgt Ion:188 Resp: 1212365

Ion Ratio Lower Upper

188 100

94 7.2 5.8 8.6

80 7.7 6.4 9.6



#70

Pentachlorophenol

Concen: 2.326 ng

RT: 16.821 min Scan# 2352

Delta R.T. 0.006 min

Lab File: BM050011.D

Acq: 23 Apr 2025 13:19

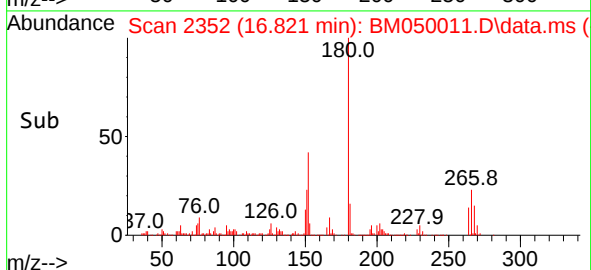
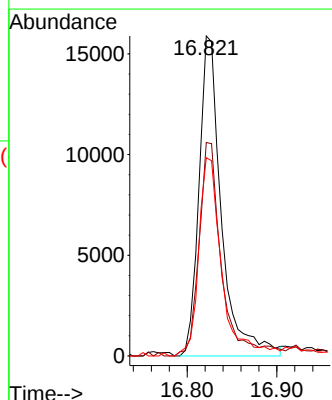
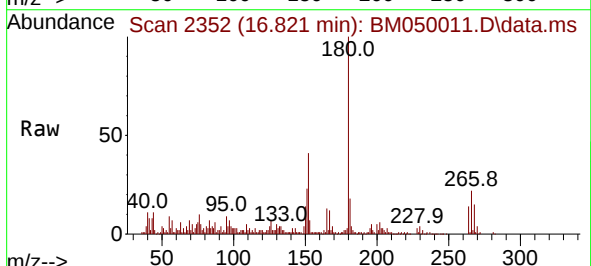
Tgt Ion:266 Resp: 27643

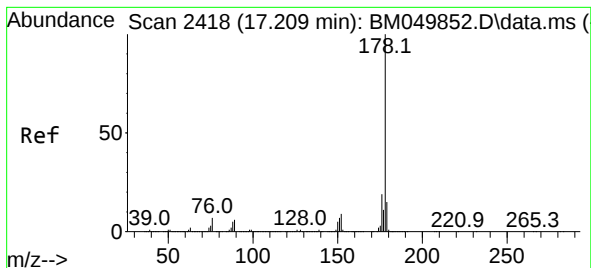
Ion Ratio Lower Upper

266 100

268 70.7 51.4 77.2

264 61.9 49.8 74.8





#71

Phenanthrene

Concen: 23.768 ng

RT: 17.198 min Scan# 2418

Delta R.T. -0.012 min

Lab File: BM050011.D

Acq: 23 Apr 2025 13:19

Instrument :

BNA_M

ClientSampleId :

ETGI-275DL

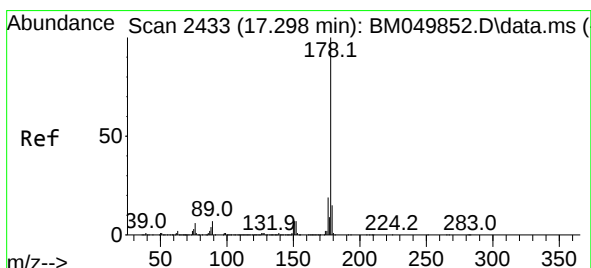
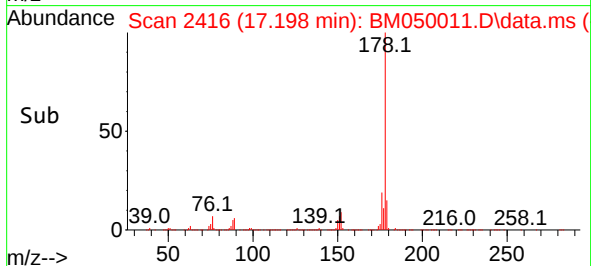
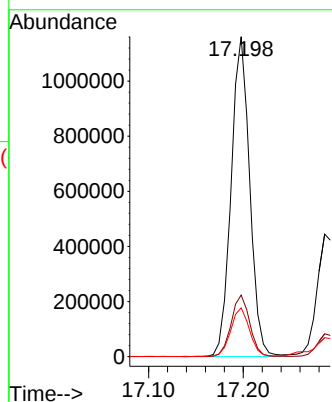
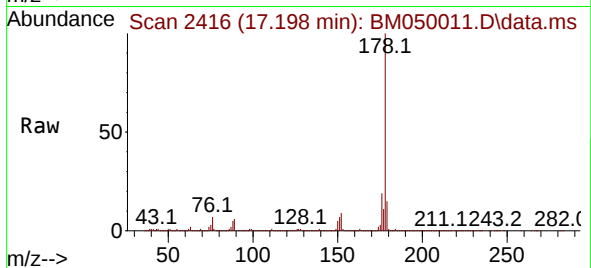
Tgt Ion:178 Resp: 1579790

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 15.3 12.3 18.5



#72

Anthracene

Concen: 9.576 ng

RT: 17.286 min Scan# 2431

Delta R.T. -0.012 min

Lab File: BM050011.D

Acq: 23 Apr 2025 13:19

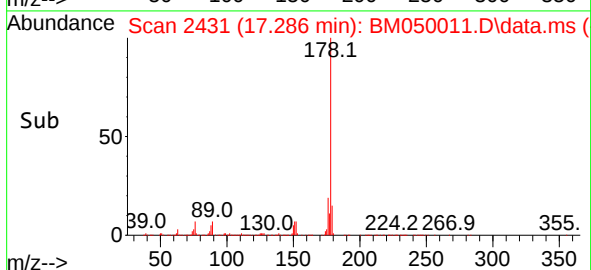
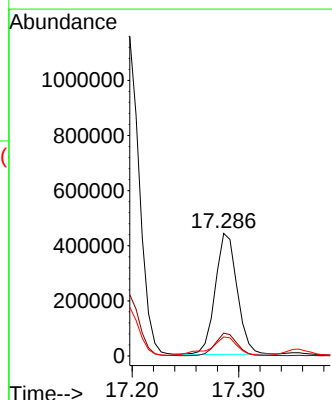
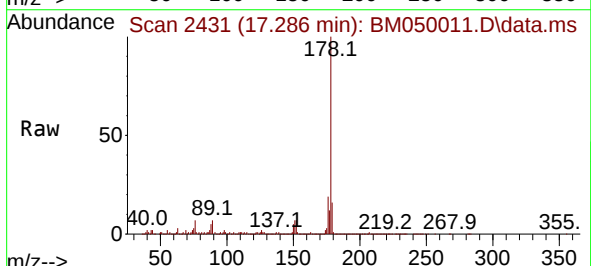
Tgt Ion:178 Resp: 627242

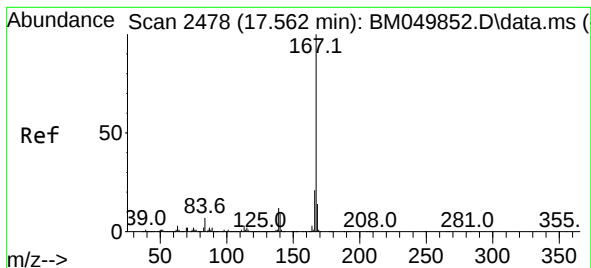
Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

179 15.6 12.4 18.6





#73

Carbazole

Concen: 4.611 ng

RT: 17.562 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM050011.D

Acq: 23 Apr 2025 13:19

Instrument :

BNA_M

ClientSampleId :

ETGI-275DL

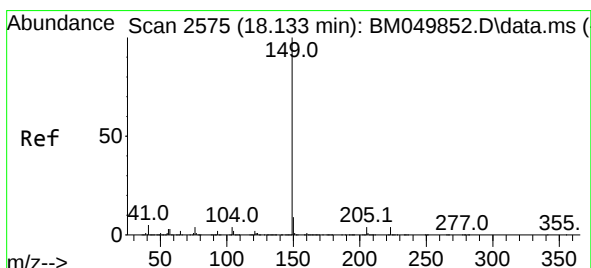
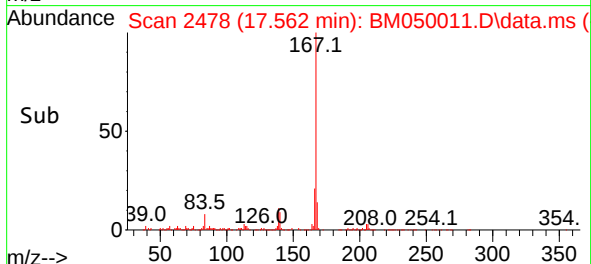
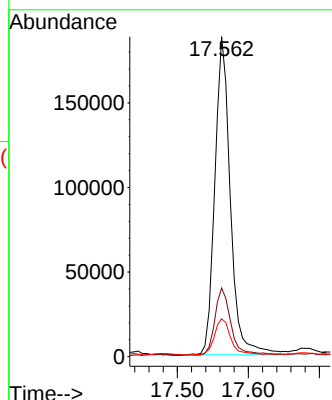
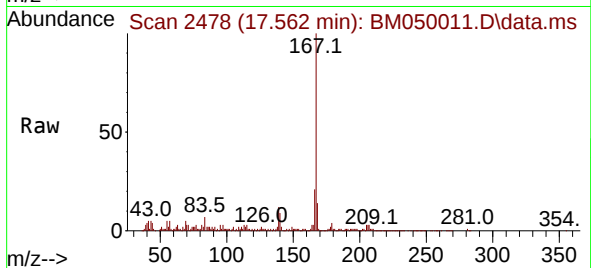
Tgt Ion:167 Resp: 284443

Ion Ratio Lower Upper

167 100

166 21.5 16.9 25.3

139 11.8 9.3 13.9



#74

Di-n-butylphthalate

Concen: 7.049 ng

RT: 18.121 min Scan# 2573

Delta R.T. -0.012 min

Lab File: BM050011.D

Acq: 23 Apr 2025 13:19

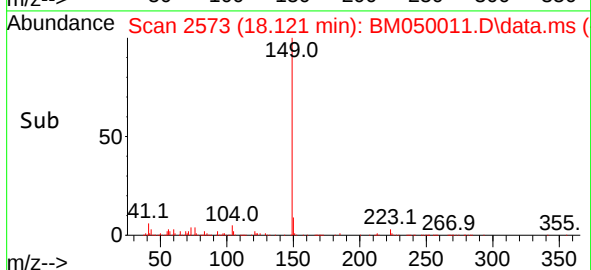
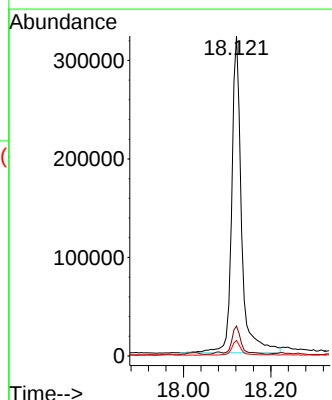
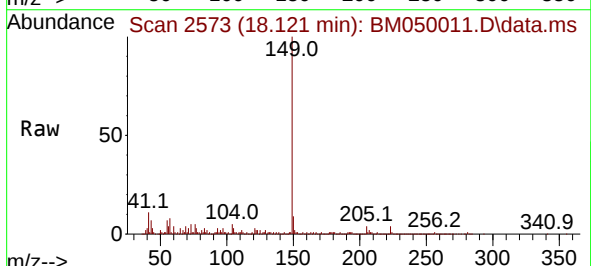
Tgt Ion:149 Resp: 500929

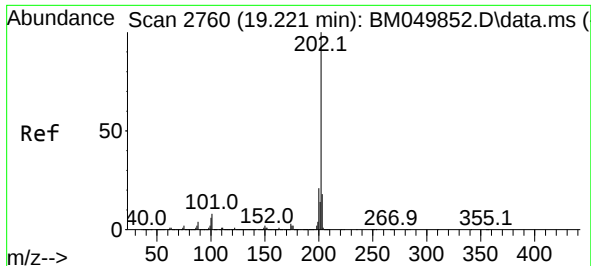
Ion Ratio Lower Upper

149 100

150 9.3 7.5 11.3

104 4.8 3.5 5.3

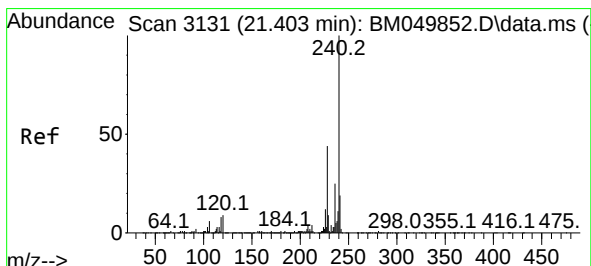
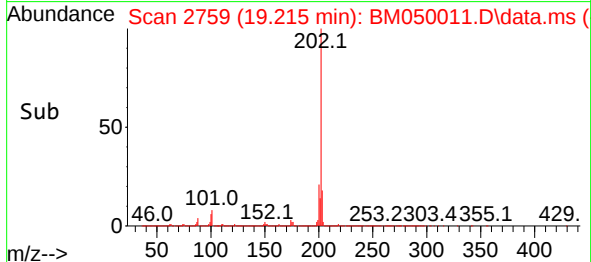
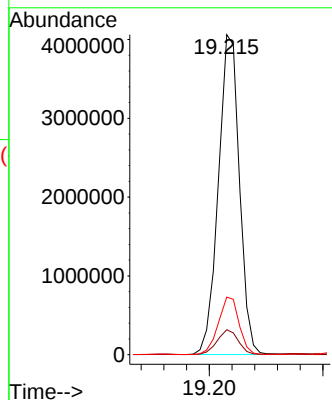
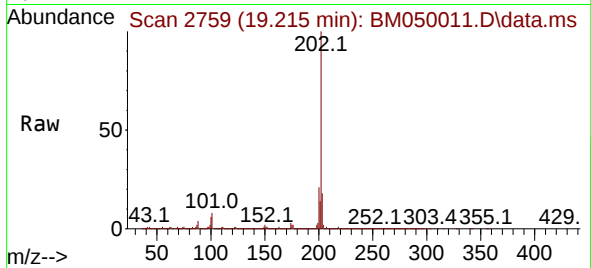




#75
Fluoranthene
Concen: 64.075 ng
RT: 19.215 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050011.D
Acq: 23 Apr 2025 13:19

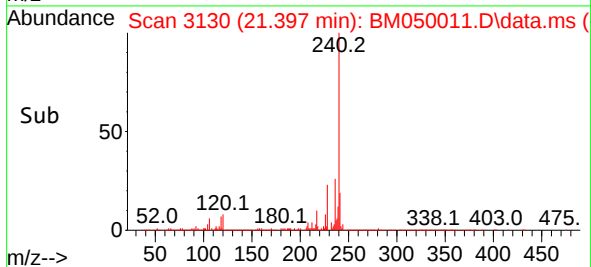
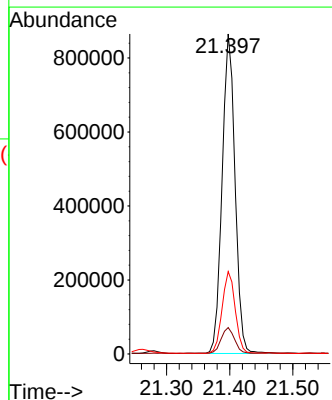
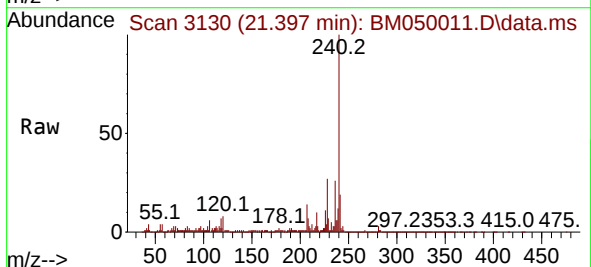
Instrument :
BNA_M
ClientSampleId :
ETGI-275DL

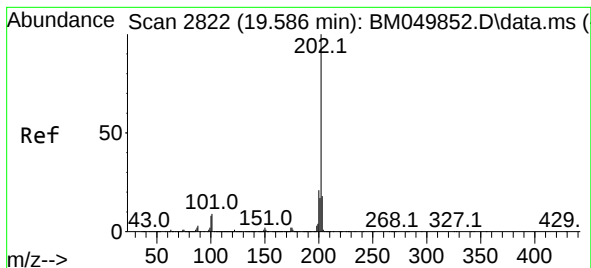
Tgt Ion:202 Resp: 5236467
Ion Ratio Lower Upper
202 100
101 7.8 0.0 28.4
203 18.0 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM050011.D
Acq: 23 Apr 2025 13:19

Tgt Ion:240 Resp: 1225858
Ion Ratio Lower Upper
240 100
120 8.3 6.9 10.3
236 25.8 20.4 30.6





#78

Pyrene

Concen: 56.088 ng

RT: 19.580 min Scan# 2822

Delta R.T. -0.006 min

Lab File: BM050011.D

Acq: 23 Apr 2025 13:19

Instrument :

BNA_M

ClientSampleId :

ETGI-275DL

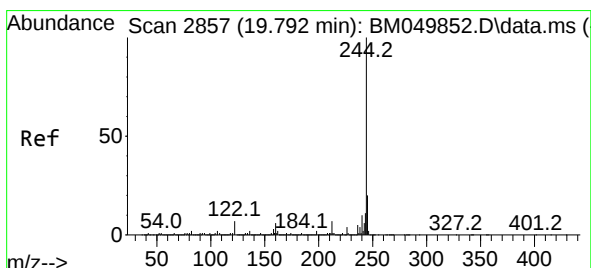
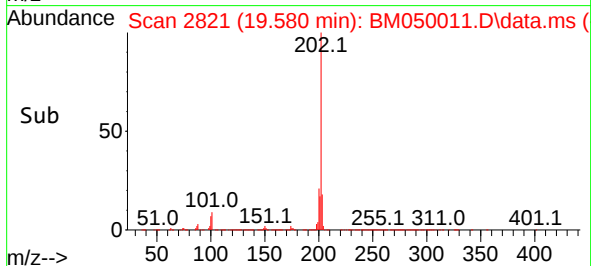
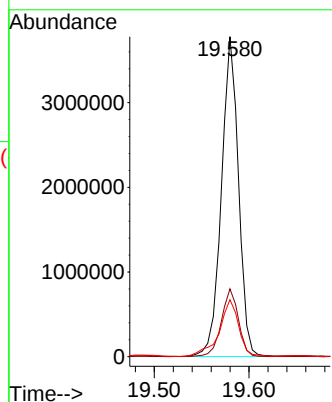
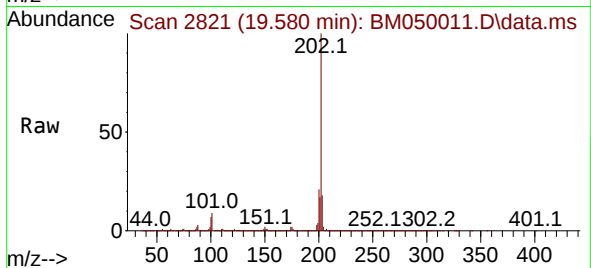
Tgt Ion:202 Resp: 4738550

Ion Ratio Lower Upper

202 100

200 21.2 16.5 24.7

203 17.8 14.0 21.0



#79

Terphenyl-d14

Concen: 14.780 ng

RT: 19.780 min Scan# 2855

Delta R.T. -0.012 min

Lab File: BM050011.D

Acq: 23 Apr 2025 13:19

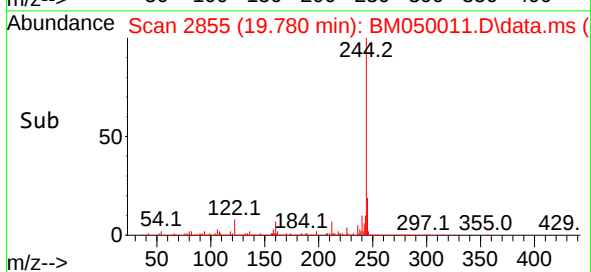
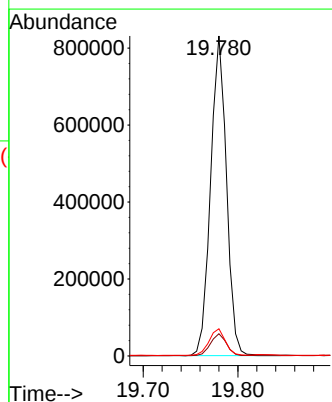
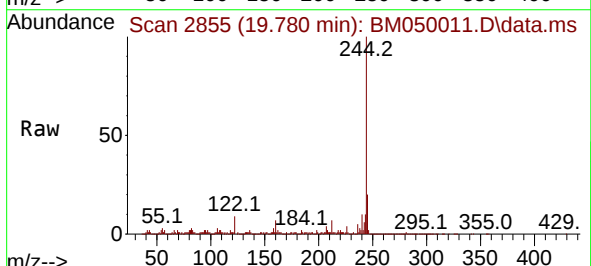
Tgt Ion:244 Resp: 966818

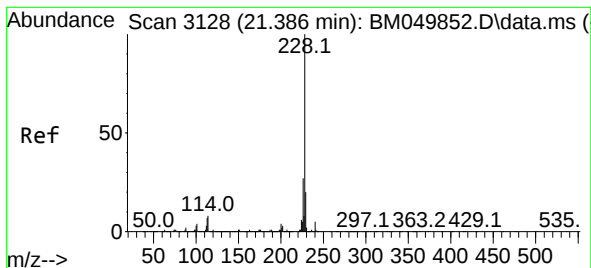
Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 8.5 5.4 8.0#





#81

Benzo(a)anthracene

Concen: 17.173 ng

RT: 21.380 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM050011.D

Acq: 23 Apr 2025 13:19

Instrument :

BNA_M

ClientSampleId :

ETGI-275DL

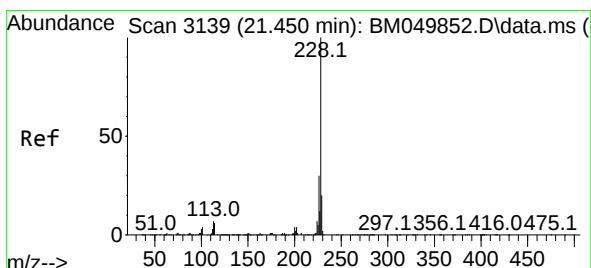
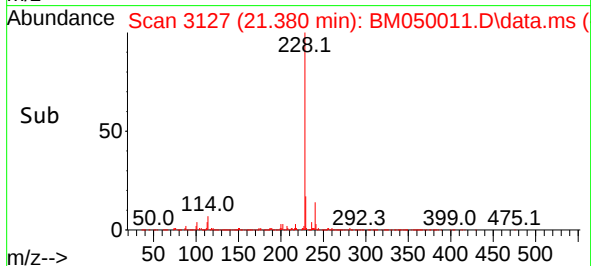
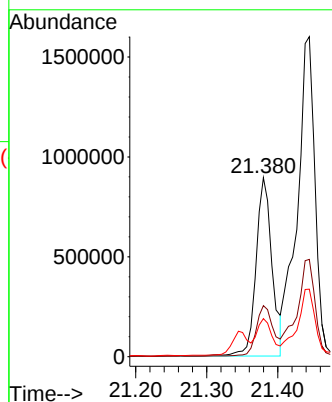
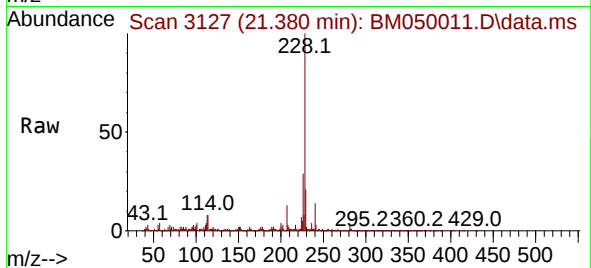
Tgt Ion:228 Resp: 1399079

Ion Ratio Lower Upper

228 100

226 28.6 21.8 32.8

229 21.3 15.8 23.8



#83

Chrysene

Concen: 35.856 ng

RT: 21.445 min Scan# 3138

Delta R.T. -0.006 min

Lab File: BM050011.D

Acq: 23 Apr 2025 13:19

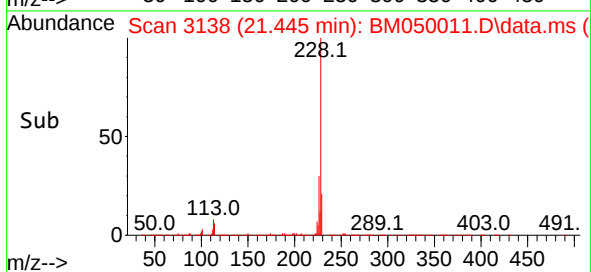
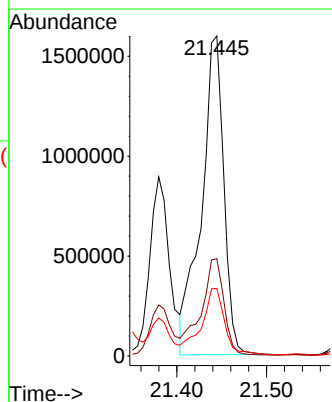
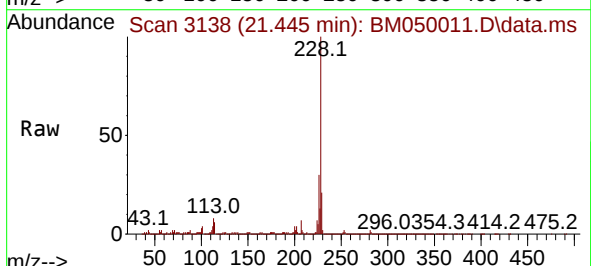
Tgt Ion:228 Resp: 2777183

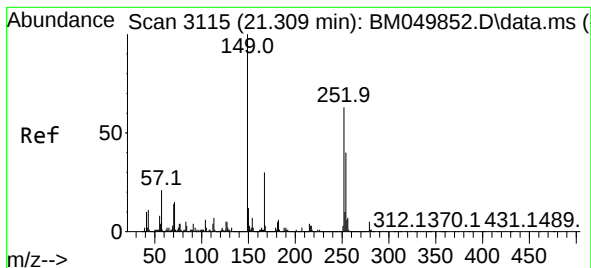
Ion Ratio Lower Upper

228 100

226 30.4 24.1 36.1

229 21.1 15.8 23.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.580 ng

RT: 21.297 min Scan# 3115

Delta R.T. -0.012 min

Lab File: BM050011.D

Acq: 23 Apr 2025 13:19

Instrument :

BNA_M

ClientSampleId :

ETGI-275DL

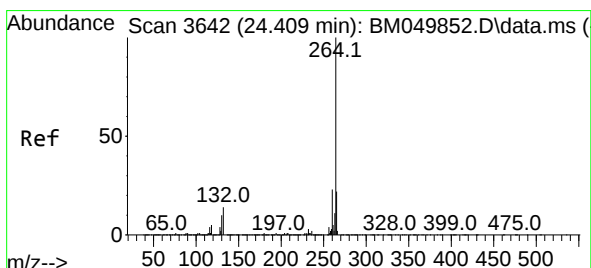
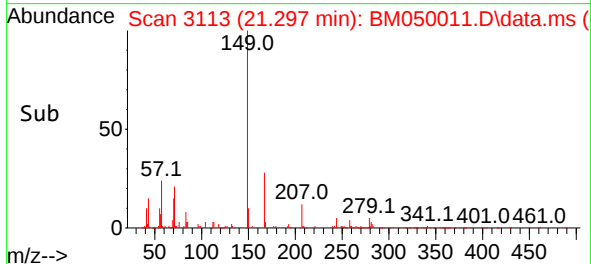
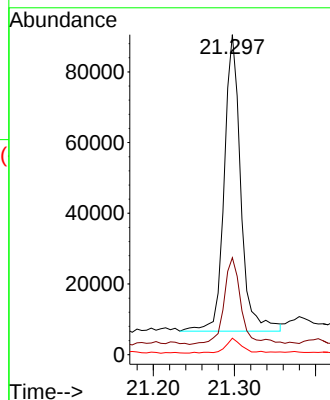
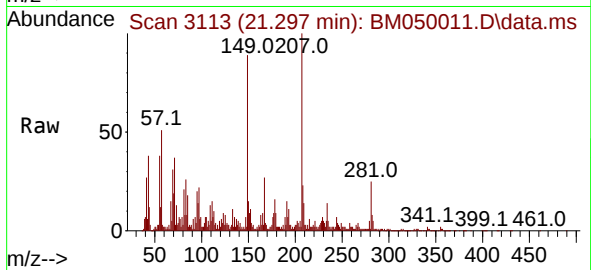
Tgt Ion:149 Resp: 119349

Ion Ratio Lower Upper

149 100

167 30.3 23.8 35.6

279 5.2 3.8 5.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.403 min Scan# 3641

Delta R.T. -0.006 min

Lab File: BM050011.D

Acq: 23 Apr 2025 13:19

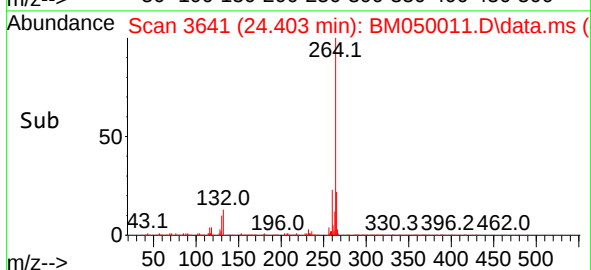
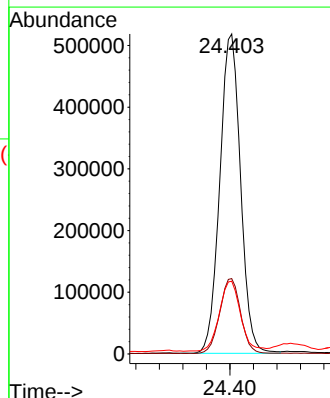
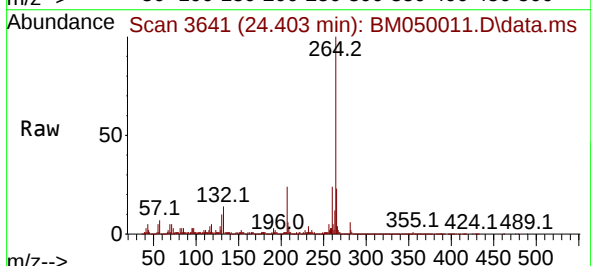
Tgt Ion:264 Resp: 1267851

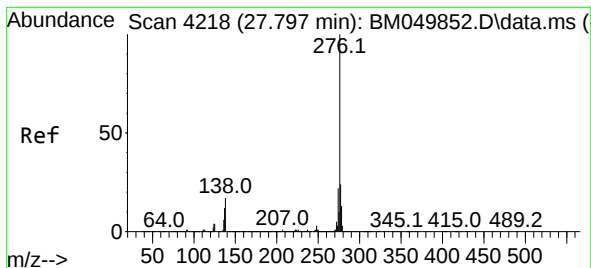
Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 22.7 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.264 ng

RT: 27.791 min Scan# 41

Delta R.T. -0.006 min

Lab File: BM050011.D

Acq: 23 Apr 2025 13:19

Instrument :

BNA_M

ClientSampleId :

ETGI-275DL

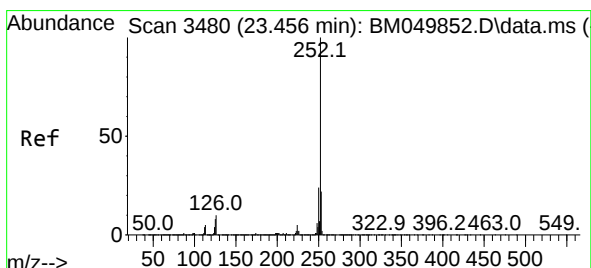
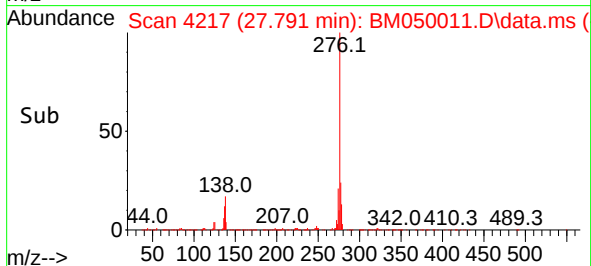
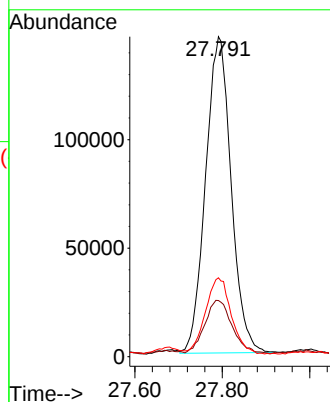
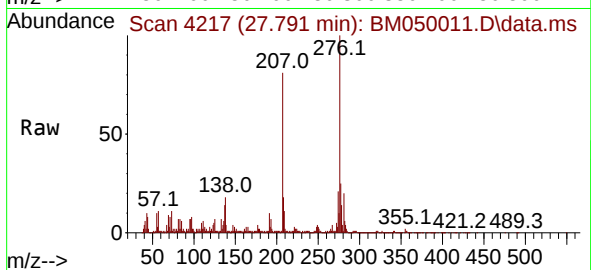
Tgt Ion:276 Resp: 591993

Ion Ratio Lower Upper

276 100

138 17.8 16.8 25.2

277 24.3 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 31.353 ng

RT: 23.456 min Scan# 3480

Delta R.T. 0.000 min

Lab File: BM050011.D

Acq: 23 Apr 2025 13:19

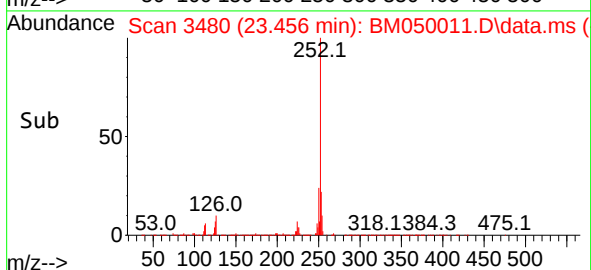
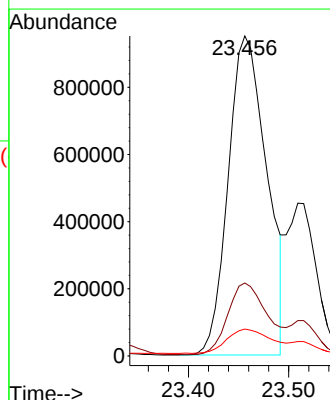
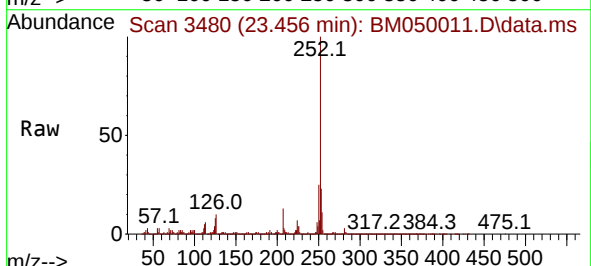
Tgt Ion:252 Resp: 2538723

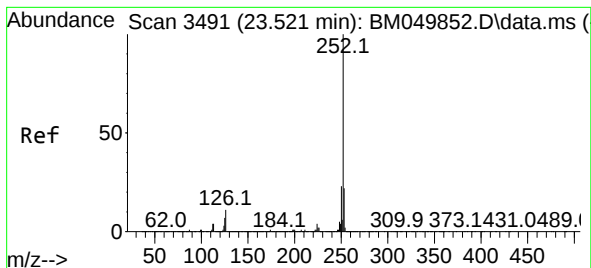
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 8.4 6.2 9.4





#89

Benzo(k)fluoranthene

Concen: 32.353 ng

RT: 23.456 min Scan# 34

Delta R.T. -0.065 min

Lab File: BM050011.D

Acq: 23 Apr 2025 13:19

Instrument :

BNA_M

ClientSampleId :

ETGI-275DL

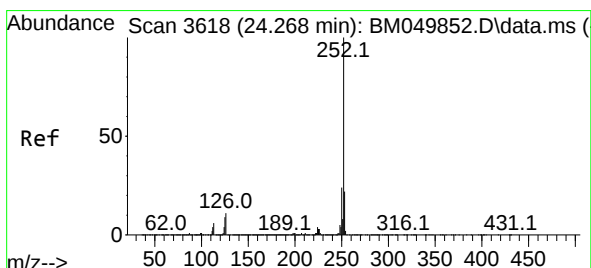
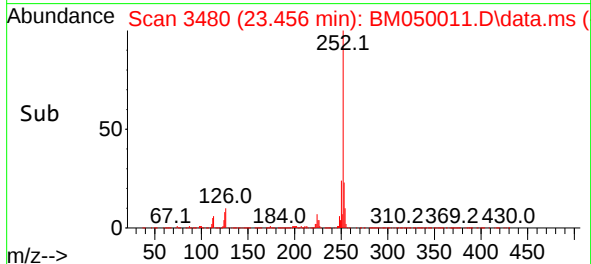
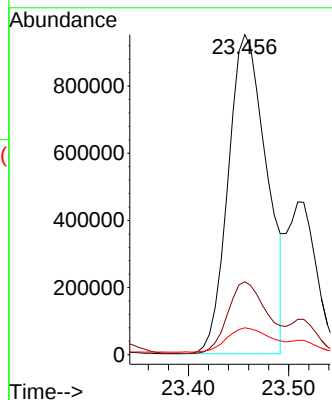
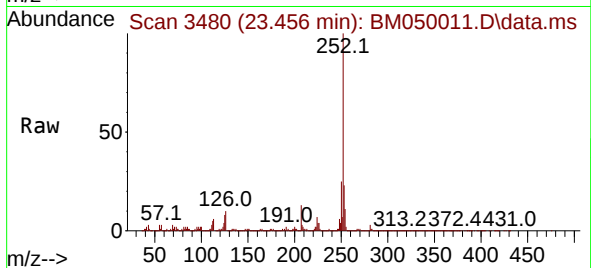
Tgt Ion:252 Resp: 2538723

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

125 8.4 5.8 8.8



#90

Benzo(a)pyrene

Concen: 11.737 ng

RT: 24.262 min Scan# 3617

Delta R.T. -0.006 min

Lab File: BM050011.D

Acq: 23 Apr 2025 13:19

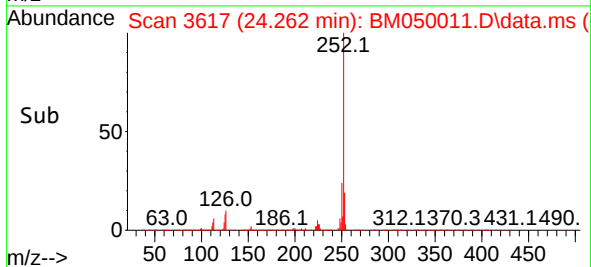
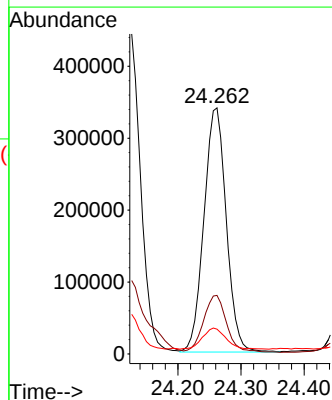
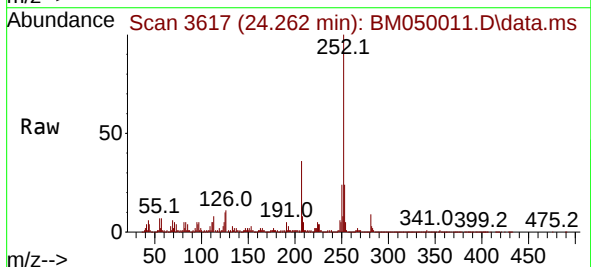
Tgt Ion:252 Resp: 835149

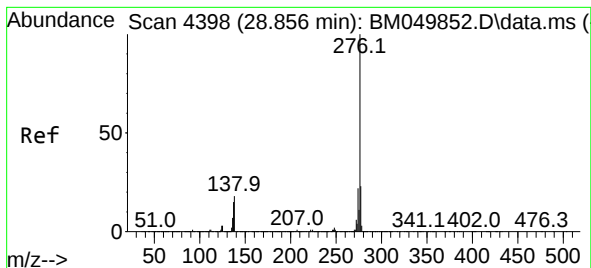
Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

125 10.1 7.0 10.4





#92

Benzo(g,h,i)perylene

Concen: 6.506 ng

RT: 28.850 min Scan# 41

Delta R.T. -0.006 min

Lab File: BM050011.D

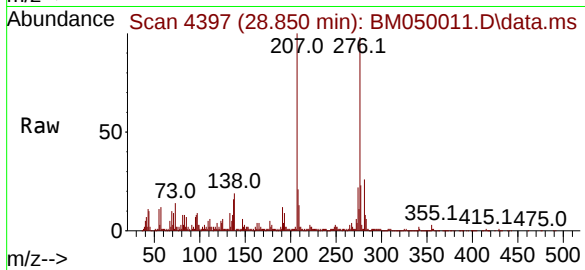
Acq: 23 Apr 2025 13:19

Instrument :

BNA_M

ClientSampleId :

ETGI-275DL



Tgt Ion:276 Resp: 517515

Ion Ratio Lower Upper

276 100

277 23.3 18.7 28.1

138 19.0 14.6 21.8

