

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041224\
 Data File : BG060880.D
 Acq On : 12 Apr 2024 19:04
 Operator : MA/JU
 Sample : P2067-01DL 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-346DL

Quant Time: Apr 12 22:42:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 03:12:26 2024
 Response via : Initial Calibration

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

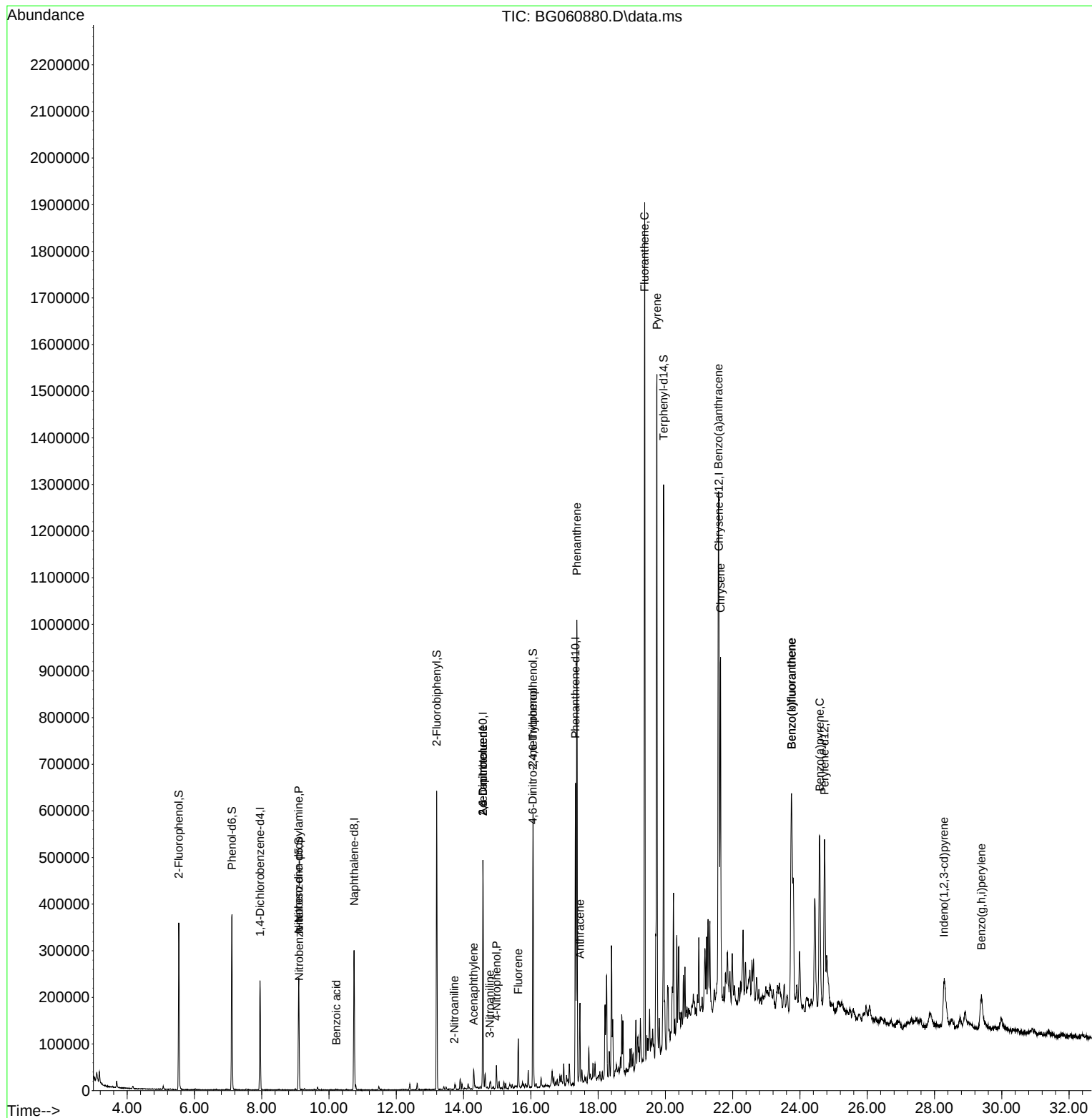
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.950	152	63977	20.000	ng	-0.01
21) Naphthalene-d8	10.747	136	238700	20.000	ng	-0.01
39) Acenaphthene-d10	14.578	164	173390	20.000	ng	-0.01
64) Phenanthrene-d10	17.327	188	402045	20.000	ng	-0.01
76) Chrysene-d12	21.593	240	377851	20.000	ng	#-0.01
86) Perylene-d12	24.730	264	435850	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.535	112	145418	37.865	ng	0.00
7) Phenol-d6	7.116	99	195441	34.284	ng	0.00
23) Nitrobenzene-d5	9.102	82	132650	31.710	ng	-0.01
42) 2,4,6-Tribromophenol	16.064	330	112515	57.165	ng	-0.01
45) 2-Fluorobiphenyl	13.203	172	322897	27.331	ng	-0.02
79) Terphenyl-d14	19.948	244	609318	28.395	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.102	70	17351	3.991	ng	# 82
24) Nitrobenzene	9.113	77	300	2.833	ng	# 42
32) Benzoic acid	10.218	122	77	6.862	ng	# 1
48) 2-Nitroaniline	13.726	65	70	2.815	ng	# 11
49) Acenaphthylene	14.302	152	46338	2.964	ng	99
51) 2,6-Dinitrotoluene	14.578	165	23755	12.470	ng	# 19
53) 3-Nitroaniline	14.783	138	61	2.872	ng	# 1
56) 4-Nitrophenol	14.977	139	9780	4.881	ng	# 1
57) 2,4-Dinitrotoluene	14.578	165	23755	10.475	ng	# 20
58) Fluorene	15.629	166	48181	3.877	ng	98
65) 4,6-Dinitro-2-methylph...	16.058	198	289	7.183	ng	# 1
71) Phenanthrene	17.369	178	644027	30.801	ng	98
72) Anthracene	17.463	178	109016	5.134	ng	99
75) Fluoranthene	19.384	202	1172137	46.197	ng	97
78) Pyrene	19.748	202	1002029	37.918	ng	99
81) Benzo(a)anthracene	21.575	228	583800	21.919	ng	98
83) Chrysene	21.640	228	527211	20.537	ng	97
87) Indeno(1,2,3-cd)pyrene	28.279	276	219057	7.137	ng	# 95
88) Benzo(b)fluoranthene	23.749	252	671337	26.811	ng	98
89) Benzo(k)fluoranthene	23.749	252	671337	26.195	ng	98
90) Benzo(a)pyrene	24.589	252	483256	19.860	ng	98
92) Benzo(g,h,i)perylene	29.396	276	179027	7.113	ng	97

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

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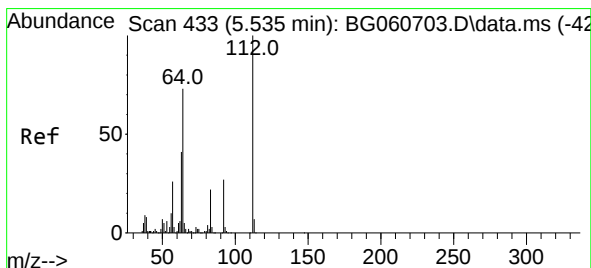
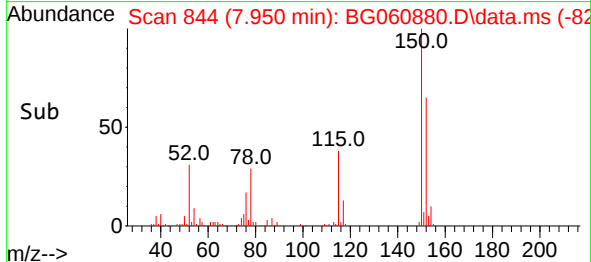
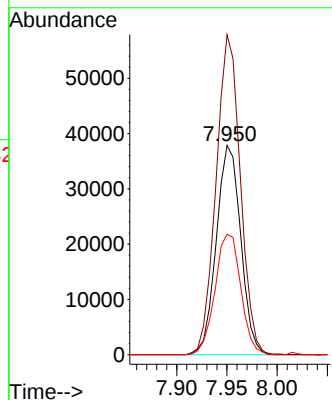
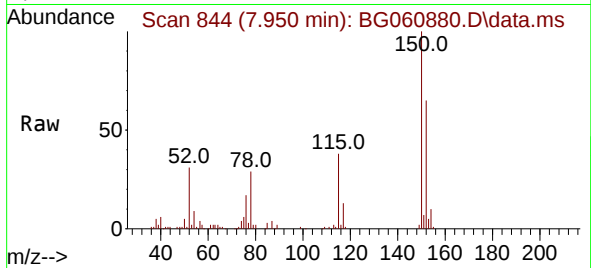




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.950 min Scan# 846
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

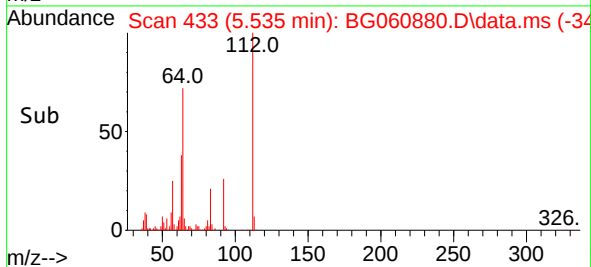
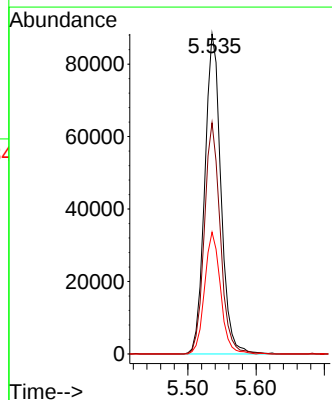
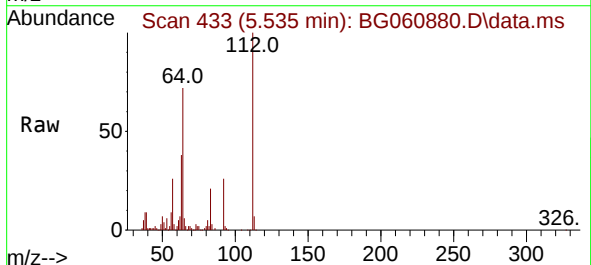
Instrument :
BNA_G
ClientSampleId :
ETGI-346DL

Tgt Ion:152 Resp: 63977
Ion Ratio Lower Upper
152 100
150 152.9 130.2 195.4
115 57.5 51.6 77.4



#5
2-Fluorophenol
Concen: 37.865 ng
RT: 5.535 min Scan# 433
Delta R.T. 0.000 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

Tgt Ion:112 Resp: 145418
Ion Ratio Lower Upper
112 100
64 72.3 58.4 87.6
63 38.0 32.7 49.1

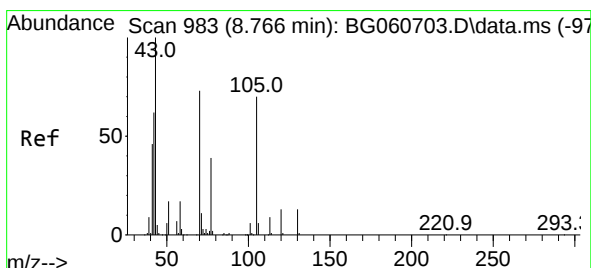
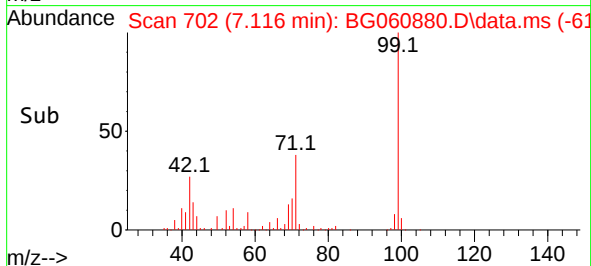
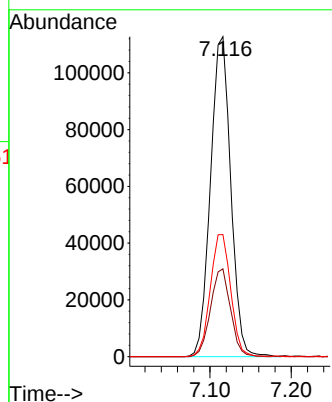
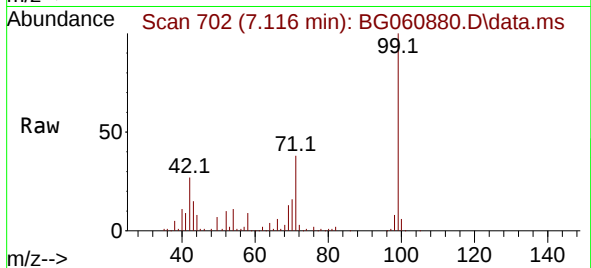




#7
Phenol-d6
Concen: 34.284 ng
RT: 7.116 min Scan# 702
Delta R.T. 0.000 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

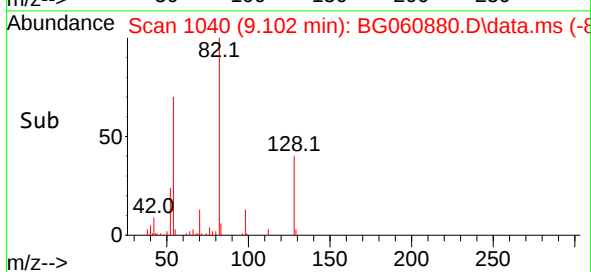
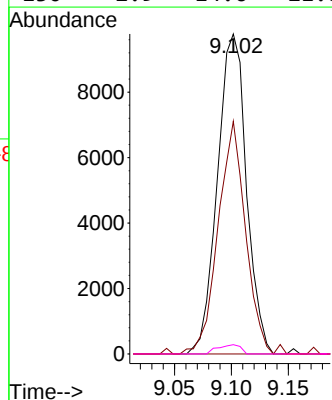
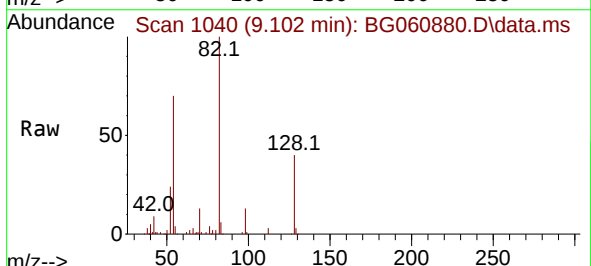
Instrument :
BNA_G
ClientSampleId :
ETGI-346DL

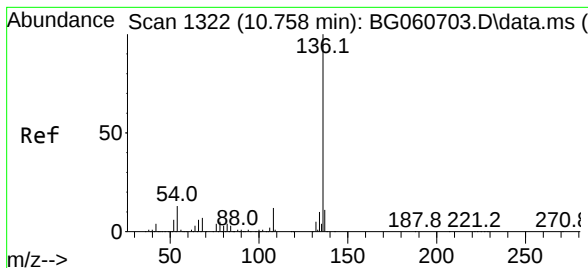
Tgt Ion: 99 Resp: 195441
Ion Ratio Lower Upper
99 100
42 27.5 19.4 29.2
71 38.1 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 3.991 ng
RT: 9.102 min Scan# 1040
Delta R.T. 0.336 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

Tgt Ion: 70 Resp: 17351
Ion Ratio Lower Upper
70 100
42 72.7 68.4 102.6
101 0.0 6.1 9.1#
130 2.9 14.6 21.8#



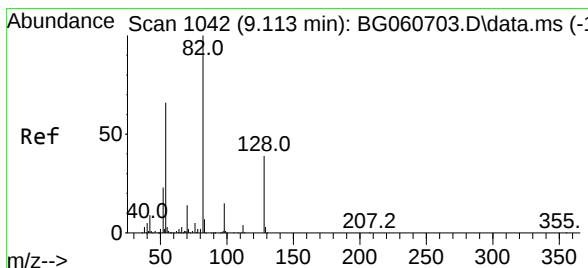
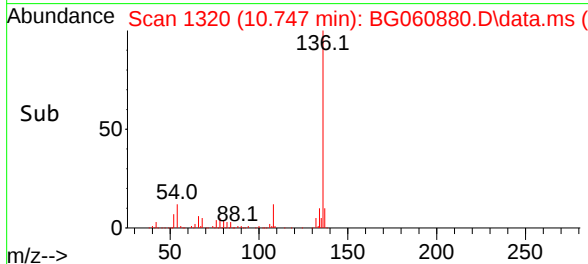
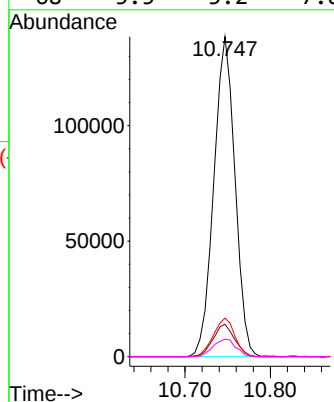
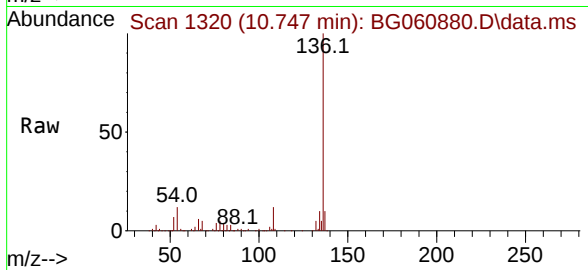


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.747 min Scan# 11
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

Instrument :
BNA_G
ClientSampleId :
ETGI-346DL

Tgt Ion:136 Resp: 238700

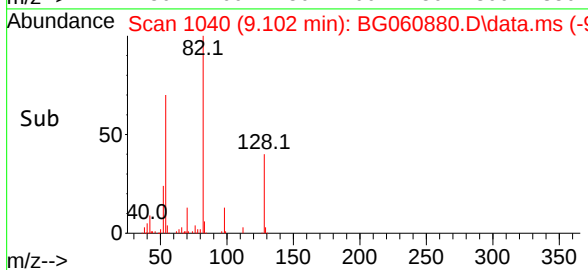
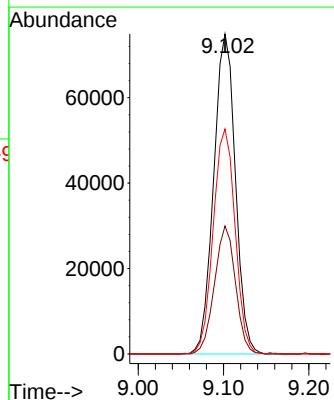
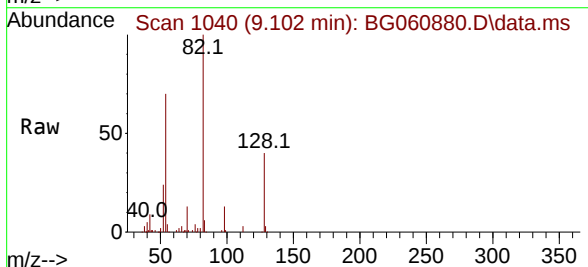
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.8	13.2
54	12.1	10.2	15.2
68	5.5	5.2	7.8

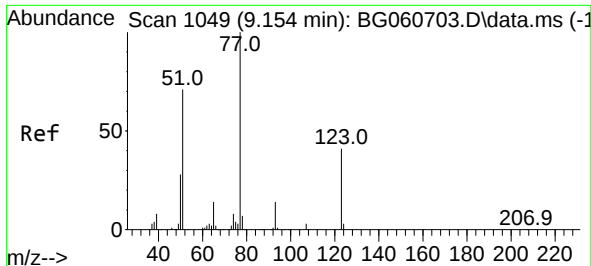


#23
Nitrobenzene-d5
Concen: 31.710 ng
RT: 9.102 min Scan# 1040
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

Tgt Ion: 82 Resp: 132650

Ion	Ratio	Lower	Upper
82	100		
128	40.0	31.2	46.8
54	70.3	53.2	79.8

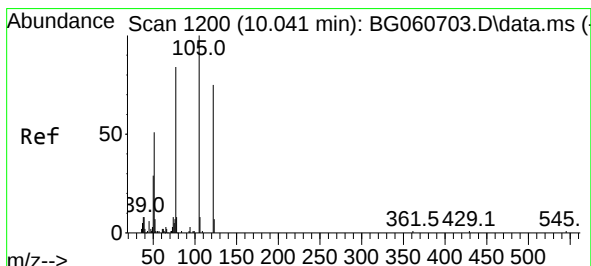
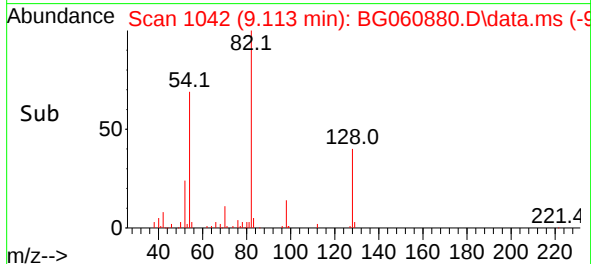
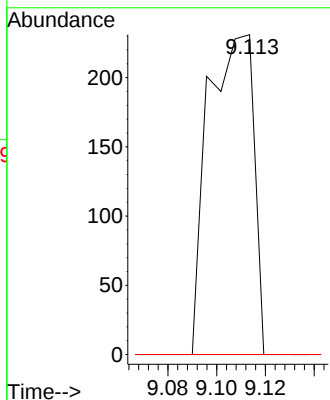
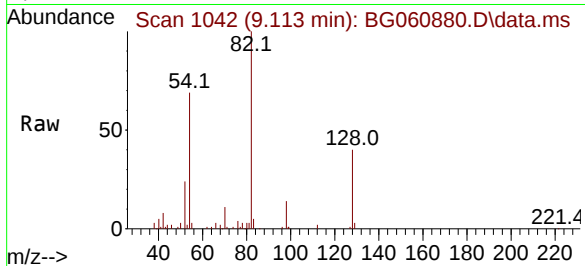




#24
Nitrobenzene
Concen: 2.833 ng
RT: 9.113 min Scan# 1049
Delta R.T. -0.041 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

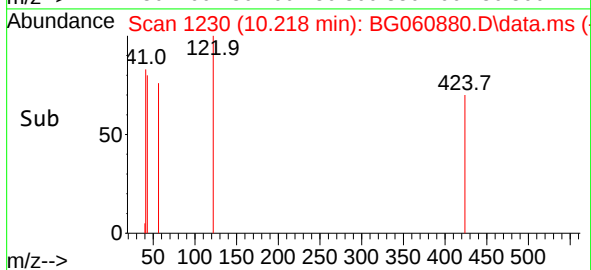
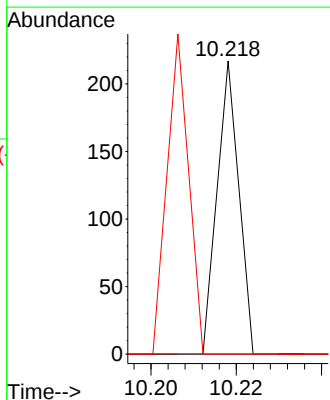
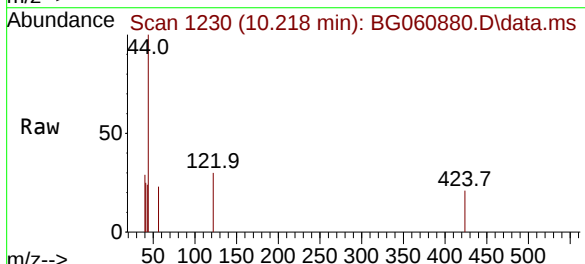
Instrument :
BNA_G
ClientSampleId :
ETGI-346DL

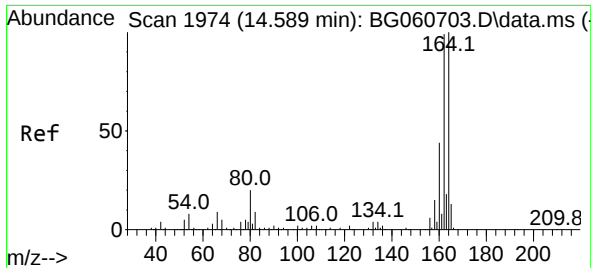
Tgt Ion: 77 Resp: 300
Ion Ratio Lower Upper
77 100
123 0.0 32.7 49.1#
65 0.0 11.3 16.9#



#32
Benzoic acid
Concen: 6.862 ng
RT: 10.218 min Scan# 1230
Delta R.T. 0.177 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

Tgt Ion: 122 Resp: 77
Ion Ratio Lower Upper
122 100
105 0.0 104.5 144.5#
77 0.0 85.3 125.3#

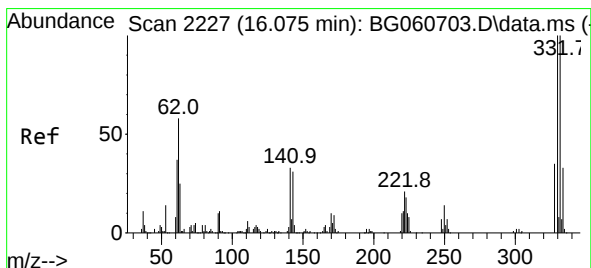
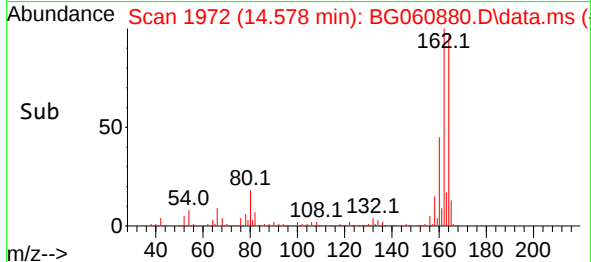
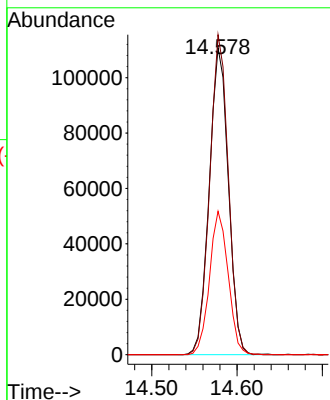
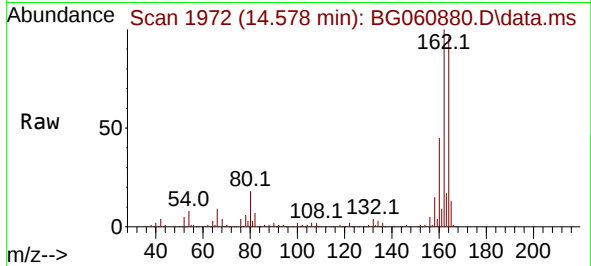




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.578 min Scan# 1974
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

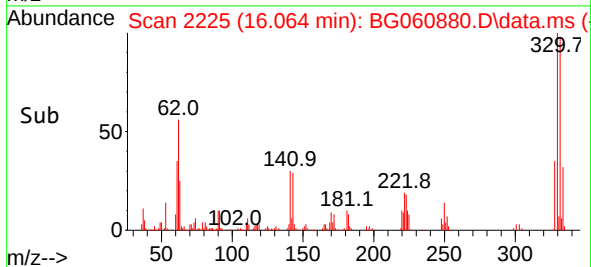
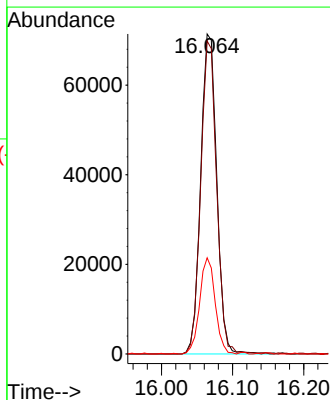
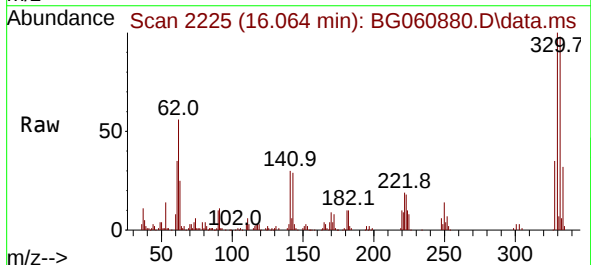
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ClientSampleId :
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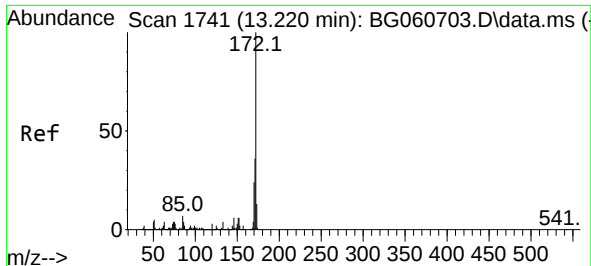
Tgt Ion:164 Resp: 173390
Ion Ratio Lower Upper
164 100
162 104.2 79.5 119.3
160 46.7 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 57.165 ng
RT: 16.064 min Scan# 2225
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

Tgt Ion:330 Resp: 112515
Ion Ratio Lower Upper
330 100
332 96.6 78.2 117.4
141 28.9 27.0 40.6

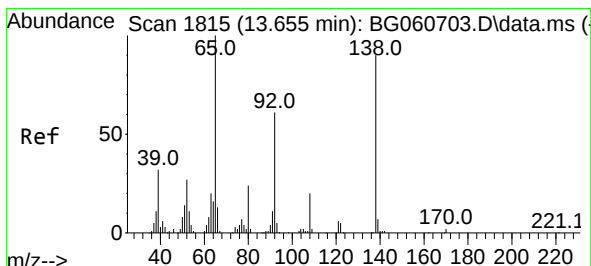
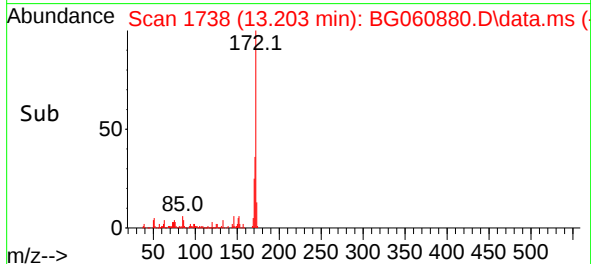
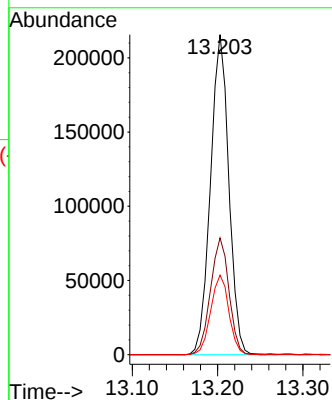
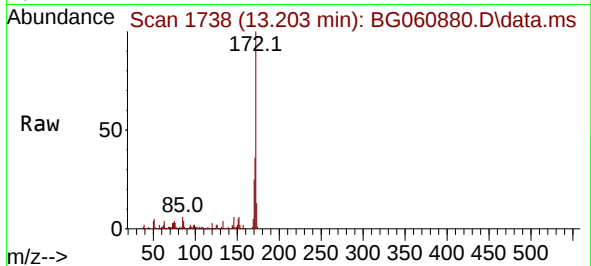




#45
2-Fluorobiphenyl
Concen: 27.331 ng
RT: 13.203 min Scan# 11
Delta R.T. -0.017 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

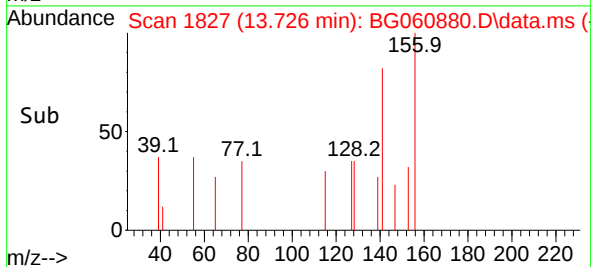
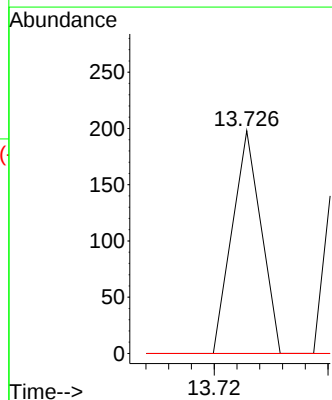
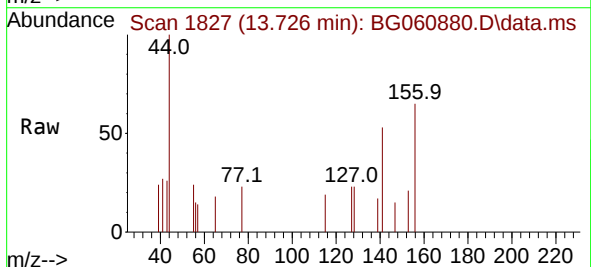
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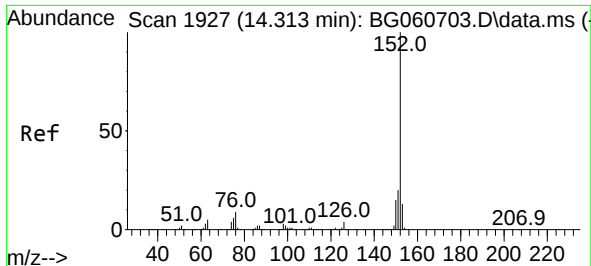
Tgt Ion:172 Resp: 322897
Ion Ratio Lower Upper
172 100
171 36.5 28.7 43.1
170 24.8 19.4 29.0



#48
2-Nitroaniline
Concen: 2.815 ng
RT: 13.726 min Scan# 1827
Delta R.T. 0.071 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

Tgt Ion: 65 Resp: 70
Ion Ratio Lower Upper
65 100
92 0.0 48.6 72.8#
138 0.0 72.2 108.4#

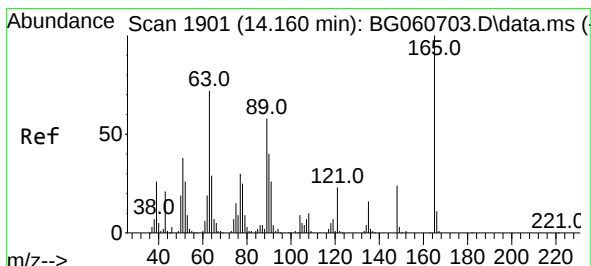
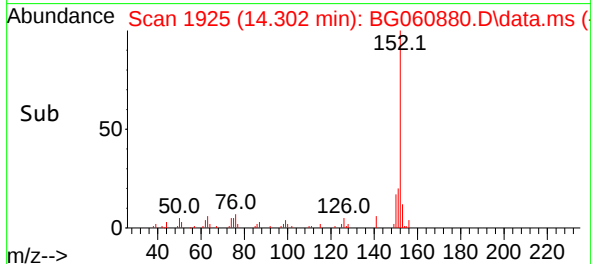
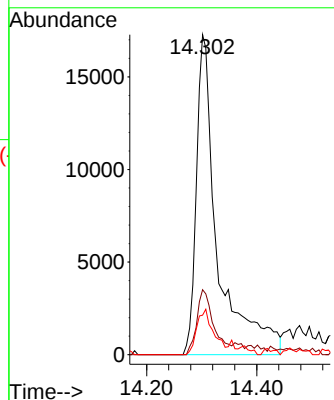
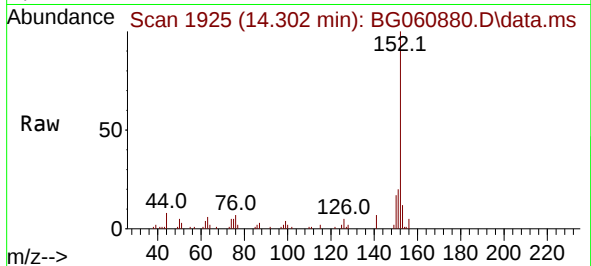




#49
Acenaphthylene
Concen: 2.964 ng
RT: 14.302 min Scan# 1925
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

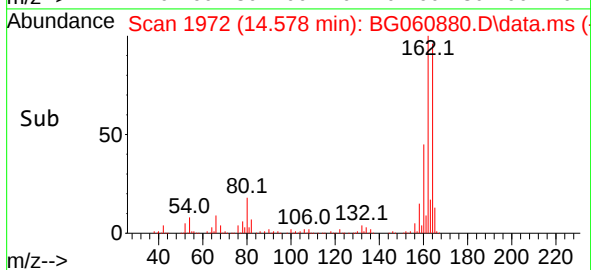
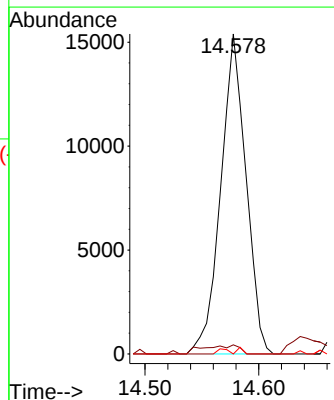
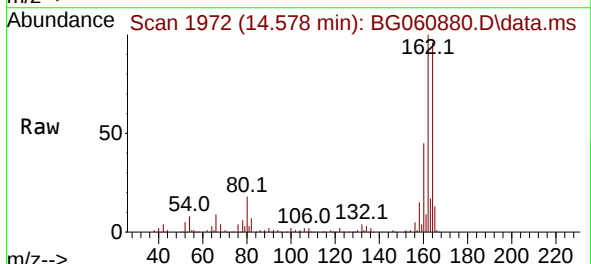
Instrument :
BNA_G
ClientSampleId :
ETGI-346DL

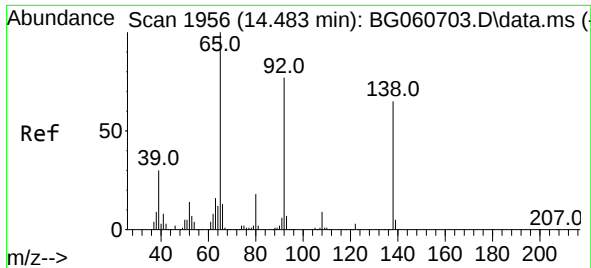
Tgt Ion:152 Resp: 46338
Ion Ratio Lower Upper
152 100
151 20.3 16.4 24.6
153 12.3 10.5 15.7



#51
2,6-Dinitrotoluene
Concen: 12.470 ng
RT: 14.578 min Scan# 1972
Delta R.T. 0.418 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

Tgt Ion:165 Resp: 23755
Ion Ratio Lower Upper
165 100
63 2.9 58.2 87.4#
89 0.0 46.1 69.1#

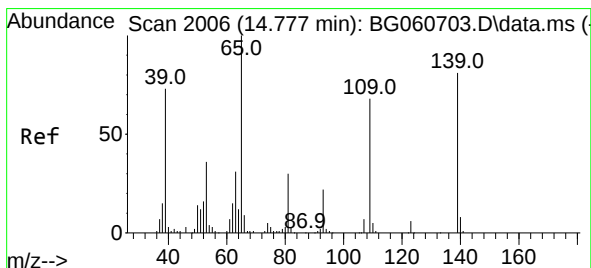
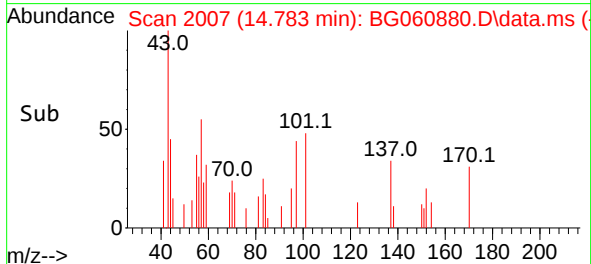
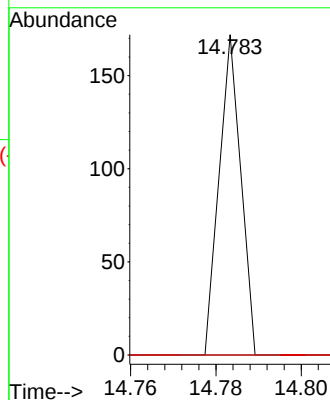
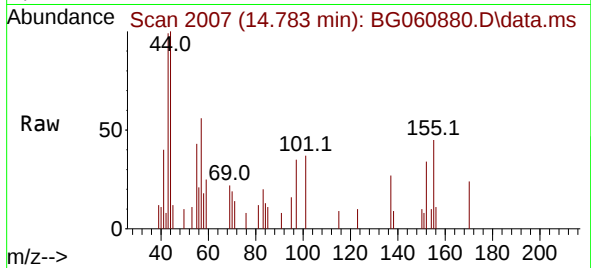




#53
3-Nitroaniline
Concen: 2.872 ng
RT: 14.783 min Scan# 2040
Delta R.T. 0.300 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

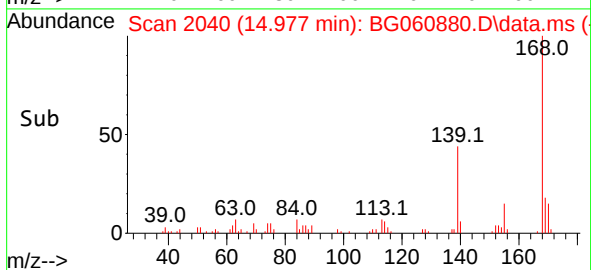
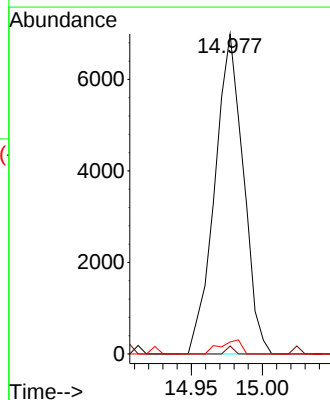
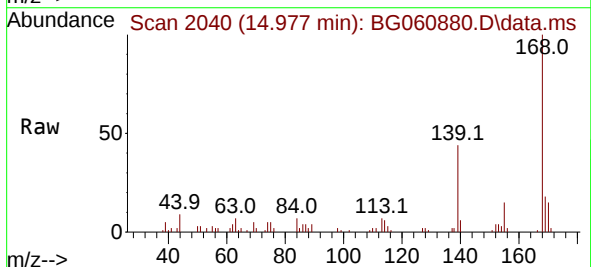
Instrument :
BNA_G
ClientSampleId :
ETGI-346DL

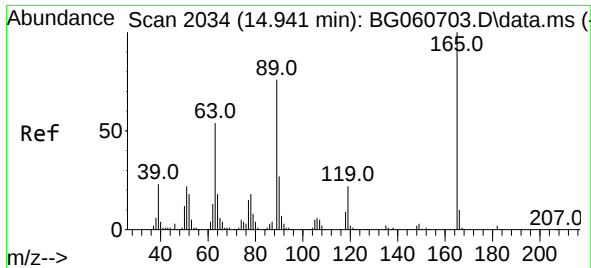
Tgt Ion:138 Resp: 61
Ion Ratio Lower Upper
138 100
108 0.0 11.3 16.9#
92 0.0 94.1 141.1#



#56
4-Nitrophenol
Concen: 4.881 ng
RT: 14.977 min Scan# 2040
Delta R.T. 0.200 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

Tgt Ion:139 Resp: 9780
Ion Ratio Lower Upper
139 100
109 2.5 64.0 104.0#
65 3.7 104.3 144.3#





#57

2,4-Dinitrotoluene

Concen: 10.475 ng

RT: 14.578 min Scan# 1972

Delta R.T. -0.363 min

Lab File: BG060880.D

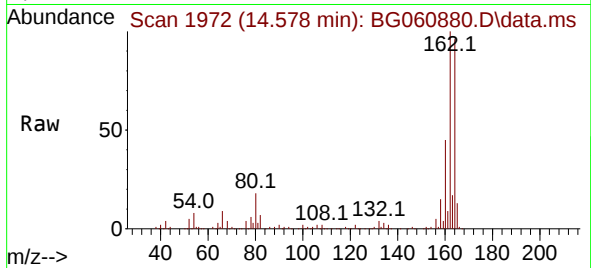
Acq: 12 Apr 2024 19:04

Instrument :

BNA_G

ClientSampleId :

ETGI-346DL



Tgt Ion:165 Resp: 23755

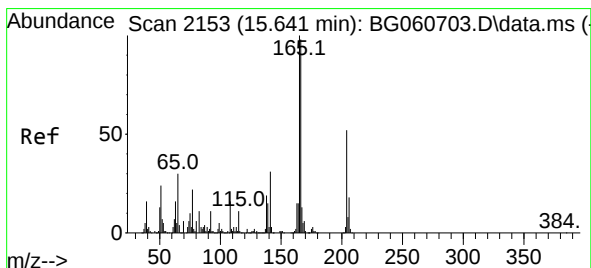
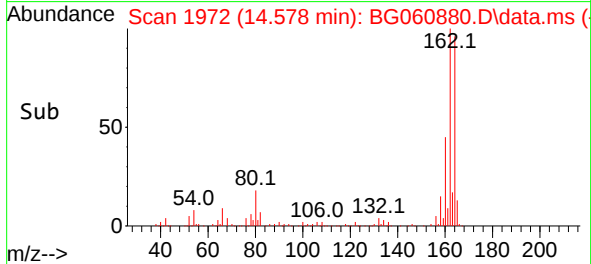
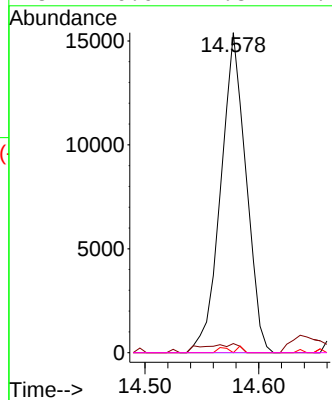
Ion Ratio Lower Upper

165 100

63 2.9 43.4 65.0#

89 0.0 61.0 91.6#

182 0.0 1.8 2.6#



#58

Fluorene

Concen: 3.877 ng

RT: 15.629 min Scan# 2151

Delta R.T. -0.011 min

Lab File: BG060880.D

Acq: 12 Apr 2024 19:04

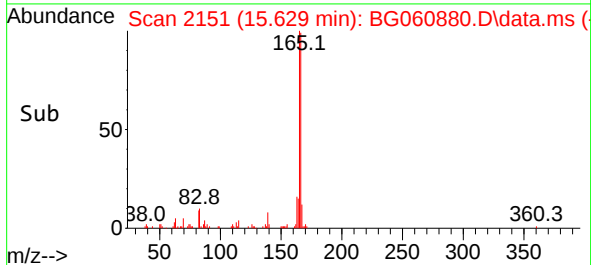
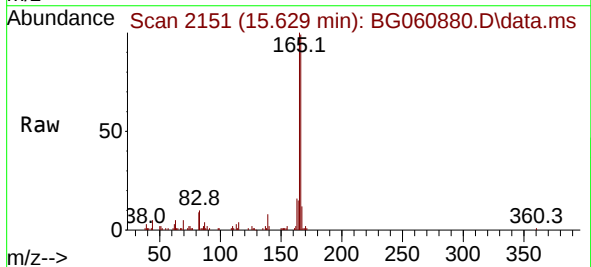
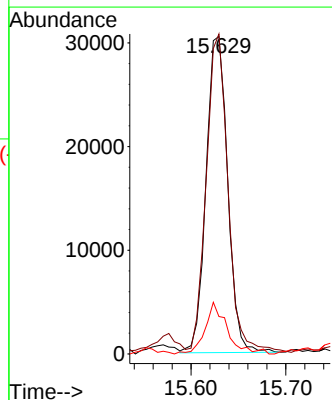
Tgt Ion:166 Resp: 48181

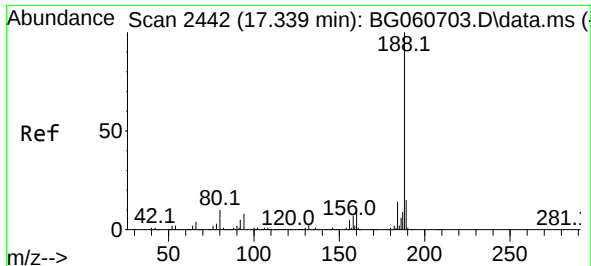
Ion Ratio Lower Upper

166 100

165 100.8 81.8 122.8

167 11.8 10.9 16.3

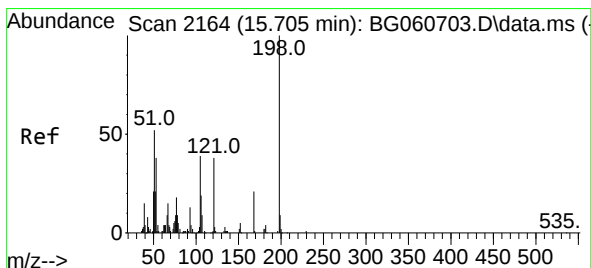
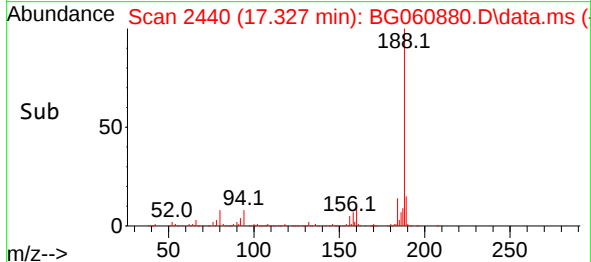
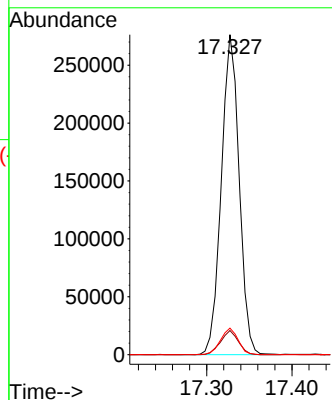
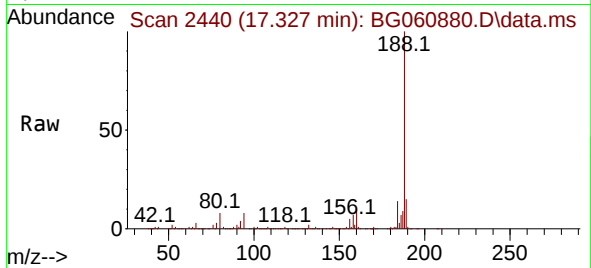




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.327 min Scan# 2442
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

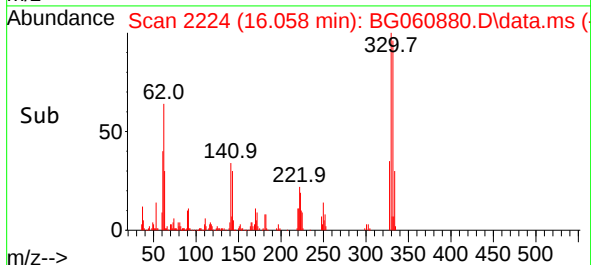
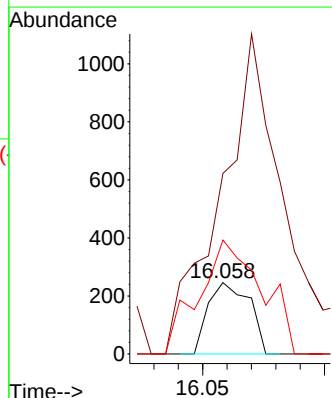
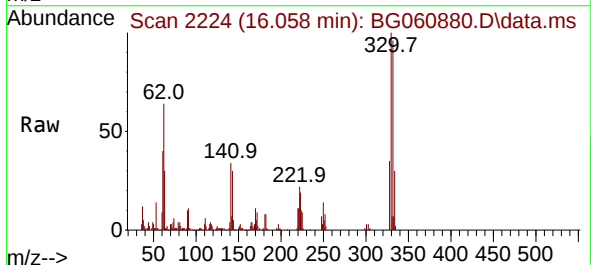
Instrument :
BNA_G
ClientSampleId :
ETGI-346DL

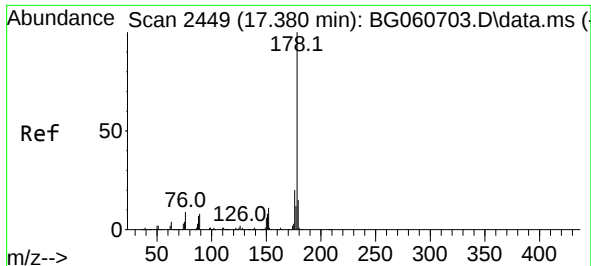
Tgt Ion:188 Resp: 402045
Ion Ratio Lower Upper
188 100
94 7.6 6.6 9.8
80 8.3 7.6 11.4



#65
4,6-Dinitro-2-methylphenol
Concen: 7.183 ng
RT: 16.058 min Scan# 2224
Delta R.T. 0.353 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

Tgt Ion:198 Resp: 289
Ion Ratio Lower Upper
198 100
51 252.8 36.7 76.7#
105 159.8 19.1 59.1#

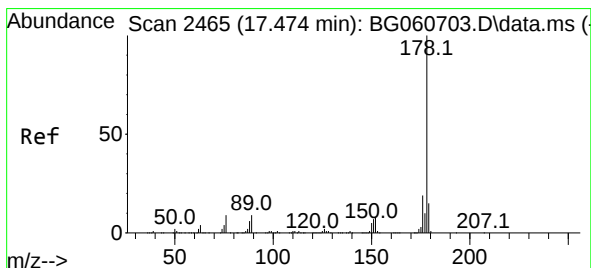
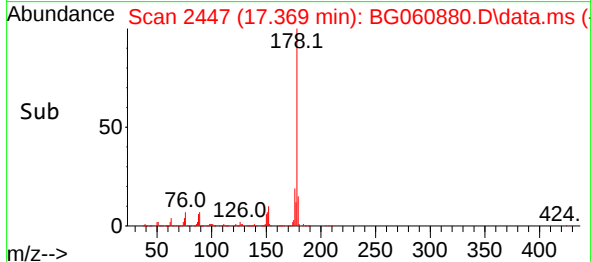
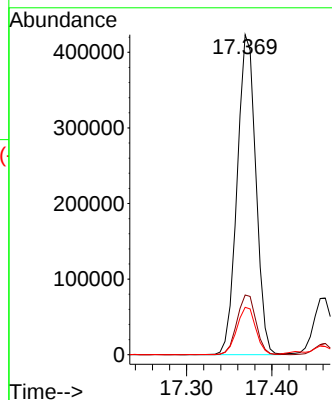
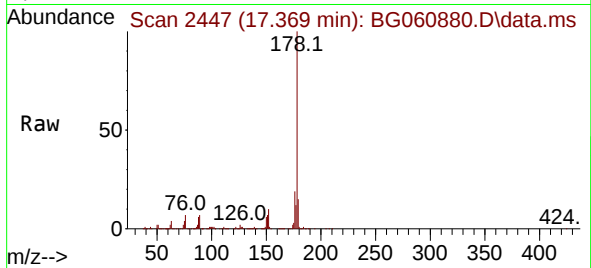




#71
Phenanthrene
Concen: 30.801 ng
RT: 17.369 min Scan# 2449
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

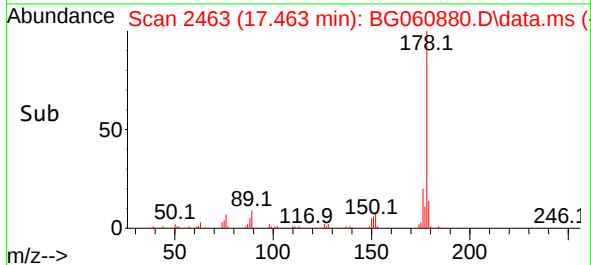
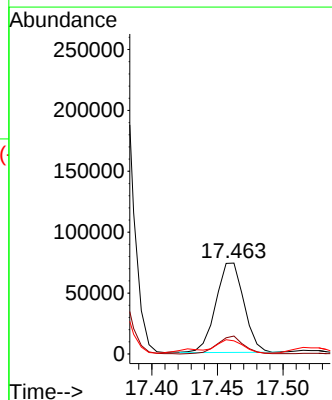
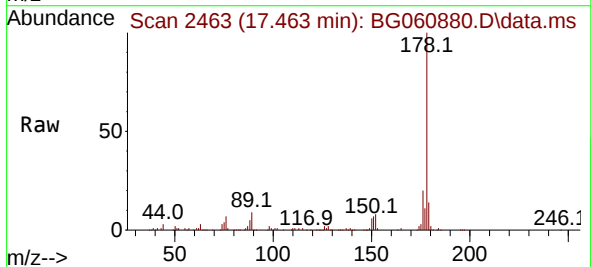
Instrument :
BNA_G
ClientSampleId :
ETGI-346DL

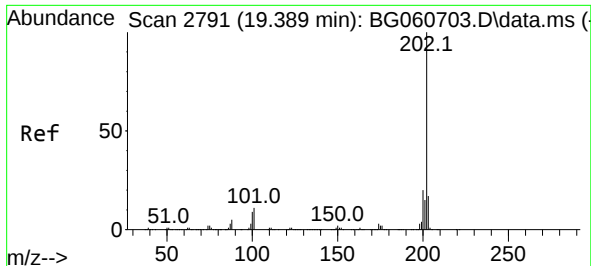
Tgt Ion:178 Resp: 644027
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 14.8 12.2 18.4



#72
Anthracene
Concen: 5.134 ng
RT: 17.463 min Scan# 2463
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

Tgt Ion:178 Resp: 109016
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 14.4 12.2 18.2

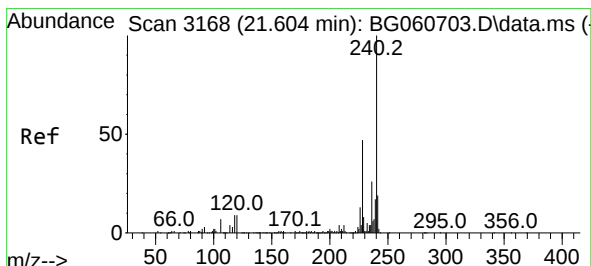
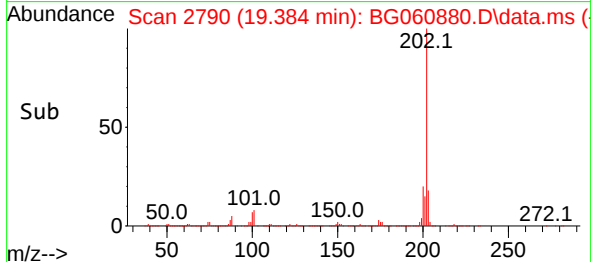
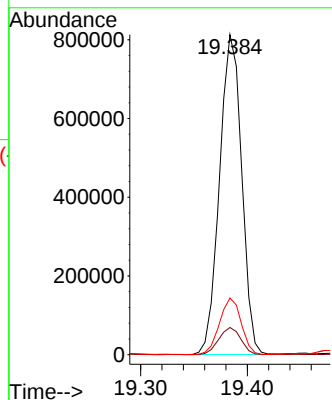
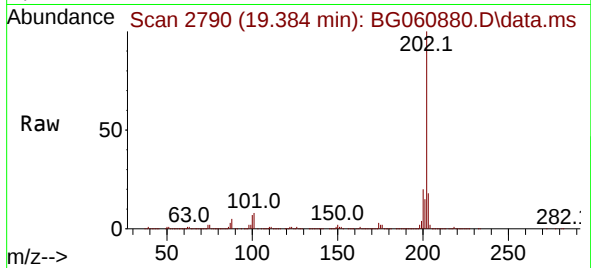




#75
Fluoranthene
Concen: 46.197 ng
RT: 19.384 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

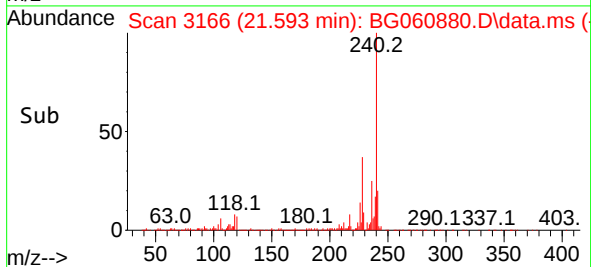
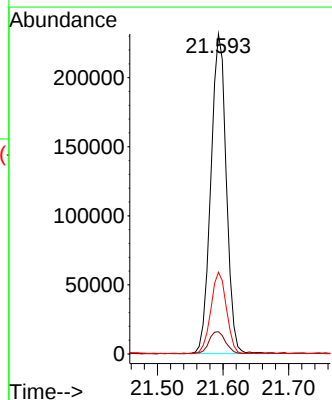
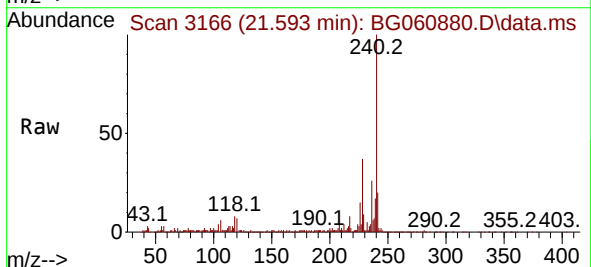
Instrument :
BNA_G
ClientSampleId :
ETGI-346DL

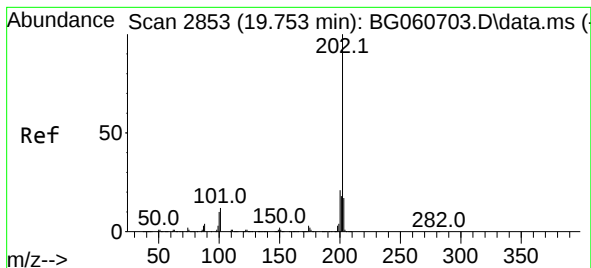
Tgt Ion:202 Resp: 1172137
Ion Ratio Lower Upper
202 100
101 8.5 0.0 30.8
203 17.7 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.593 min Scan# 3166
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

Tgt Ion:240 Resp: 377851
Ion Ratio Lower Upper
240 100
120 7.0 7.1 10.7#
236 25.5 20.7 31.1





#78

Pyrene

Concen: 37.918 ng

RT: 19.748 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG060880.D

Acq: 12 Apr 2024 19:04

Instrument :

BNA_G

ClientSampleId :

ETGI-346DL

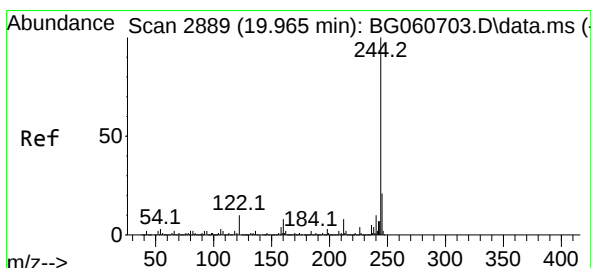
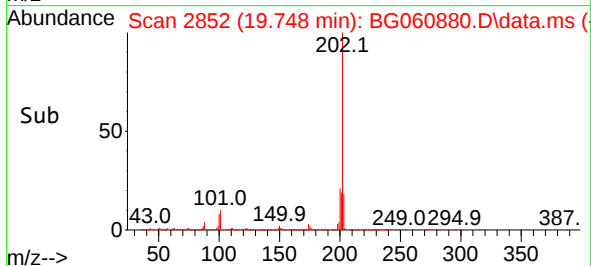
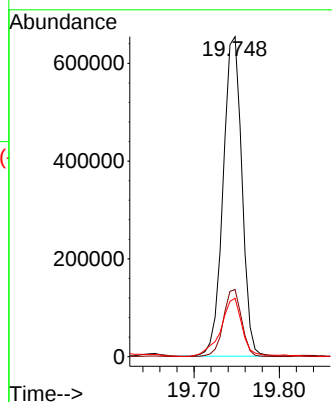
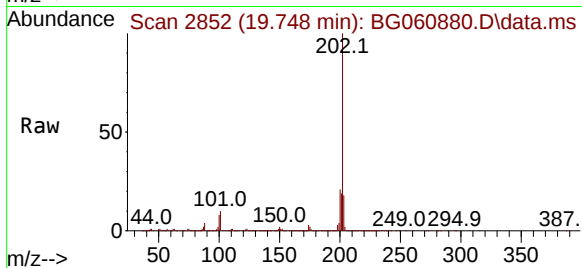
Tgt Ion:202 Resp: 1002029

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 18.3 14.0 21.0



#79

Terphenyl-d14

Concen: 28.395 ng

RT: 19.948 min Scan# 2886

Delta R.T. -0.017 min

Lab File: BG060880.D

Acq: 12 Apr 2024 19:04

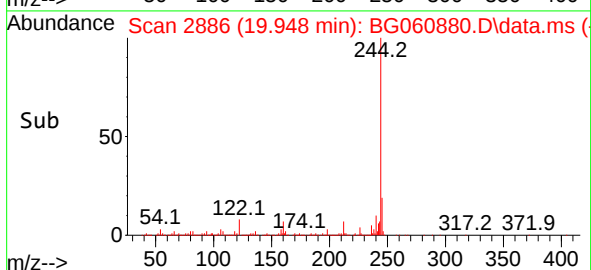
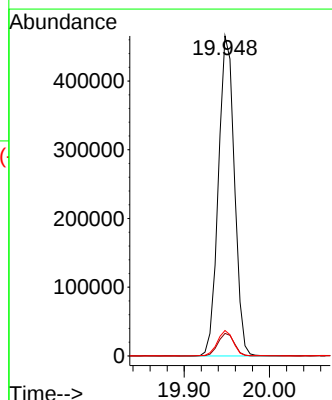
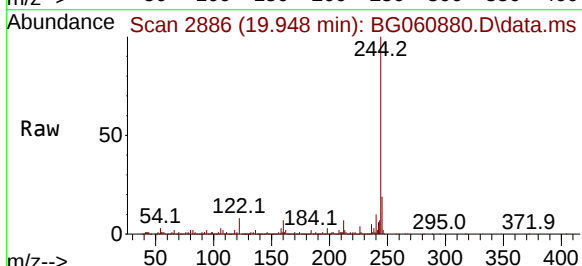
Tgt Ion:244 Resp: 609318

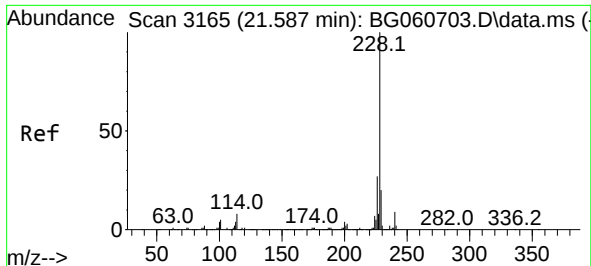
Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

122 7.9 7.8 11.8

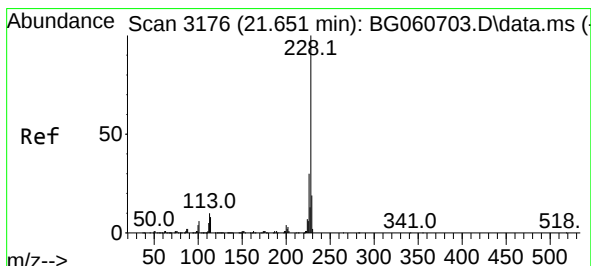
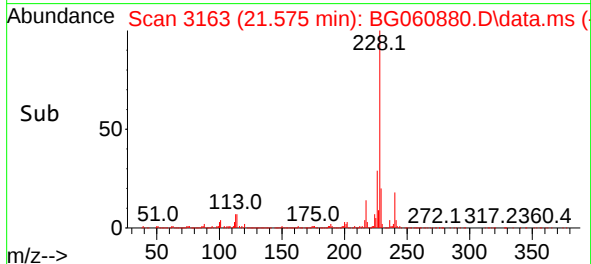
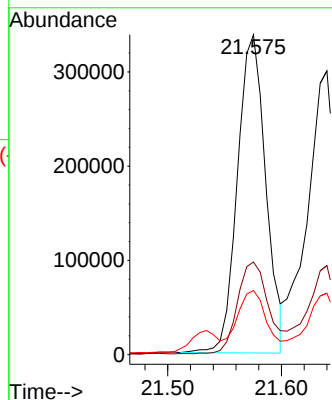
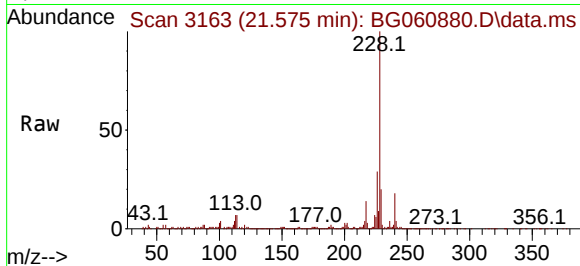




#81
Benzo(a)anthracene
Concen: 21.919 ng
RT: 21.575 min Scan# 3163
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

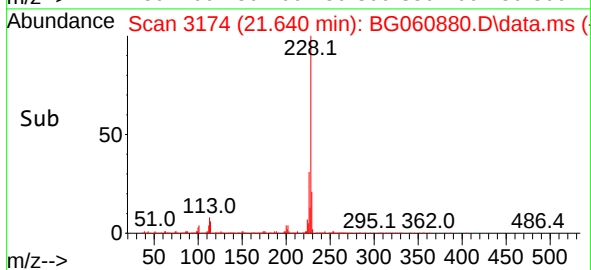
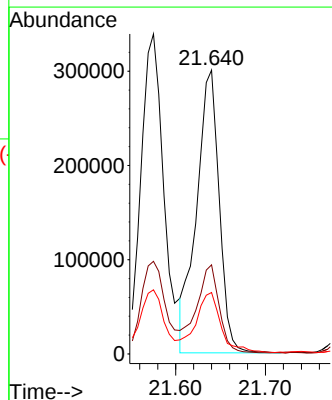
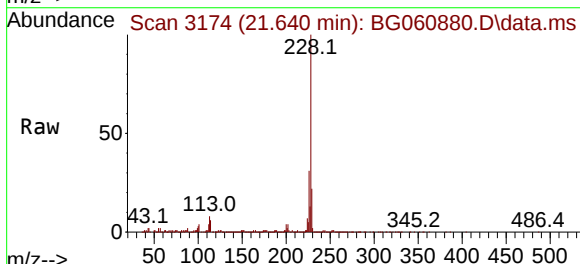
Instrument :
BNA_G
ClientSampleId :
ETGI-346DL

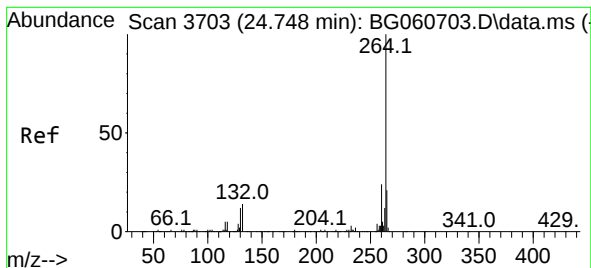
Tgt Ion:228 Resp: 583800
Ion Ratio Lower Upper
228 100
226 28.9 21.7 32.5
229 20.0 15.8 23.8



#83
Chrysene
Concen: 20.537 ng
RT: 21.640 min Scan# 3174
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

Tgt Ion:228 Resp: 527211
Ion Ratio Lower Upper
228 100
226 31.4 24.2 36.4
229 21.7 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.730 min Scan# 3

Delta R.T. -0.017 min

Lab File: BG060880.D

Acq: 12 Apr 2024 19:04

Instrument :

BNA_G

ClientSampleId :

ETGI-346DL

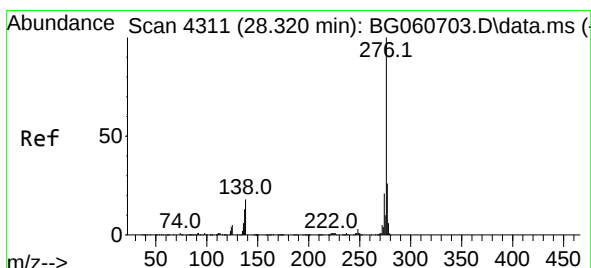
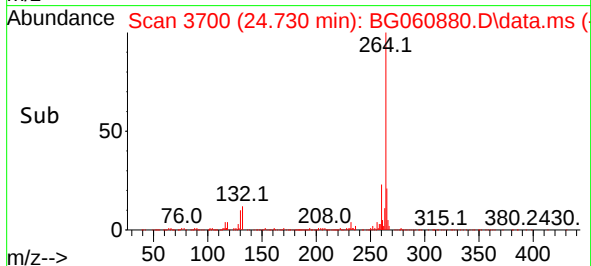
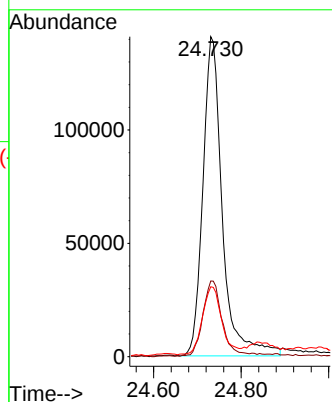
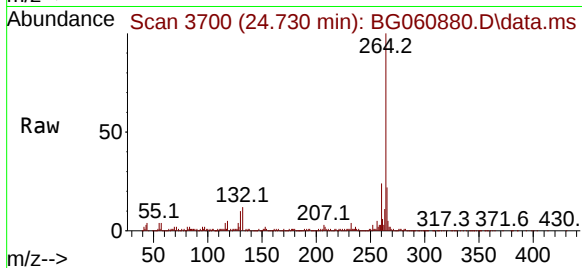
Tgt Ion:264 Resp: 435850

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 21.9 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.137 ng

RT: 28.279 min Scan# 4304

Delta R.T. -0.041 min

Lab File: BG060880.D

Acq: 12 Apr 2024 19:04

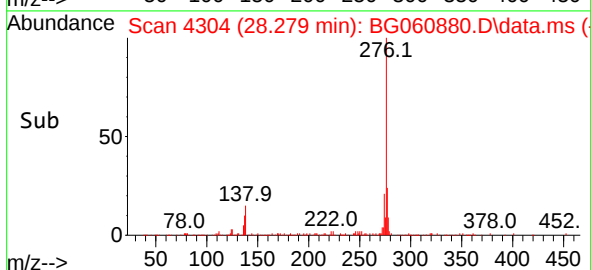
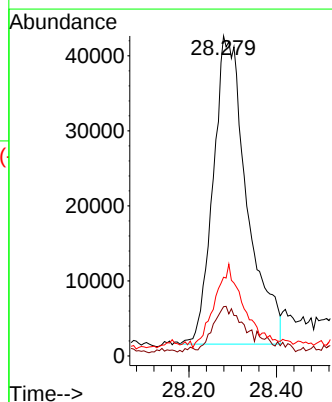
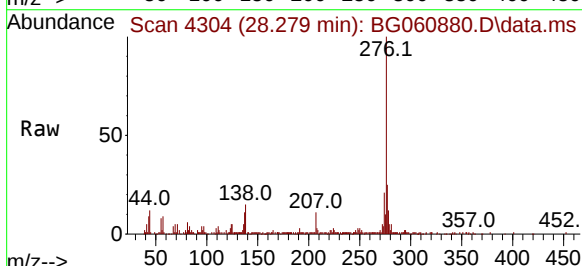
Tgt Ion:276 Resp: 219057

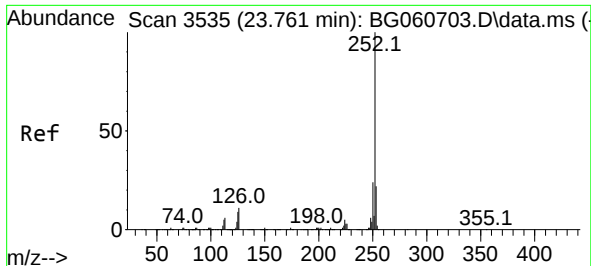
Ion Ratio Lower Upper

276 100

138 11.9 12.4 18.6#

277 24.0 20.2 30.2

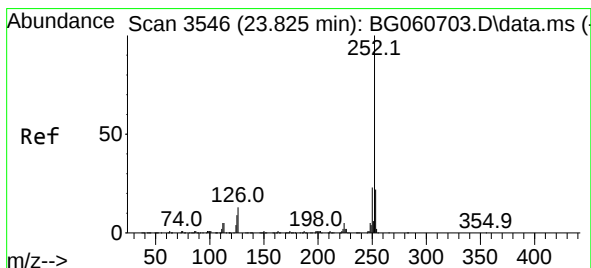
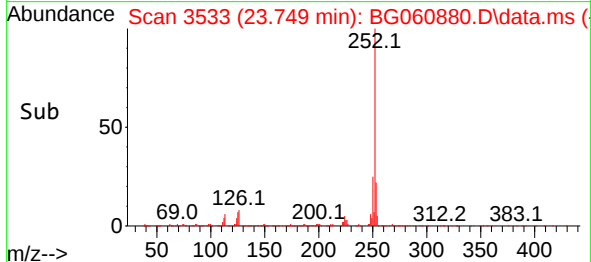
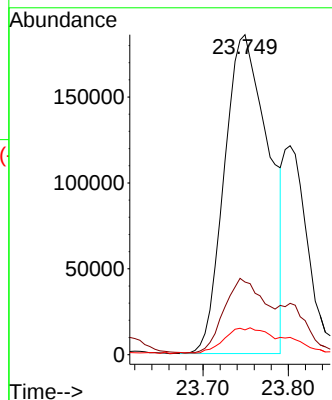
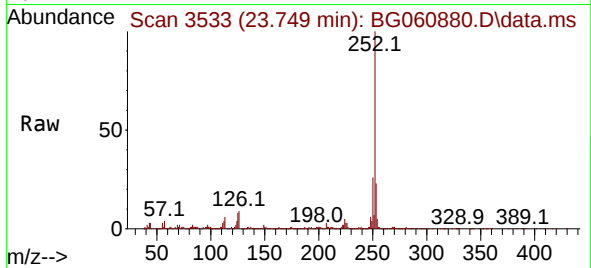




#88
Benzo(b)fluoranthene
Concen: 26.811 ng
RT: 23.749 min Scan# 3533
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

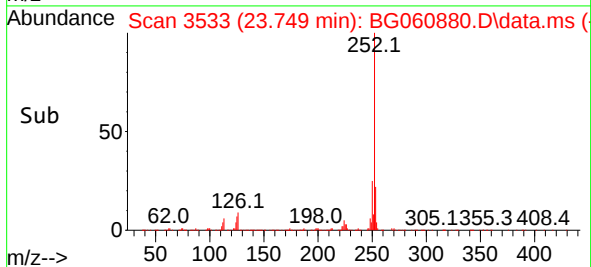
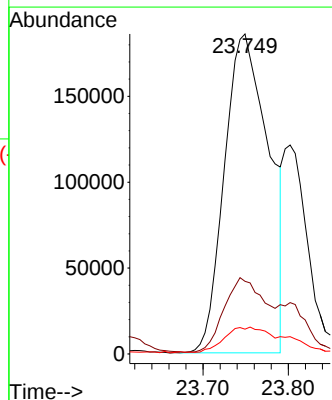
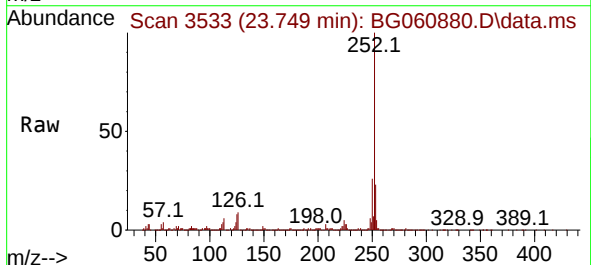
Instrument :
BNA_G
ClientSampleId :
ETGI-346DL

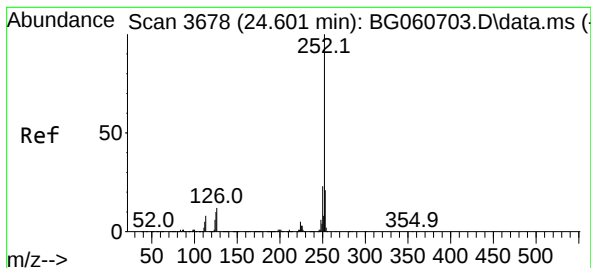
Tgt Ion:252 Resp: 671337
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 7.7 7.1 10.7



#89
Benzo(k)fluoranthene
Concen: 26.195 ng
RT: 23.749 min Scan# 3533
Delta R.T. -0.076 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

Tgt Ion:252 Resp: 671337
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 7.7 7.5 11.3





#90

Benzo(a)pyrene

Concen: 19.860 ng

RT: 24.589 min Scan# 30

Delta R.T. -0.011 min

Lab File: BG060880.D

Acq: 12 Apr 2024 19:04

Instrument :

BNA_G

ClientSampleId :

ETGI-346DL

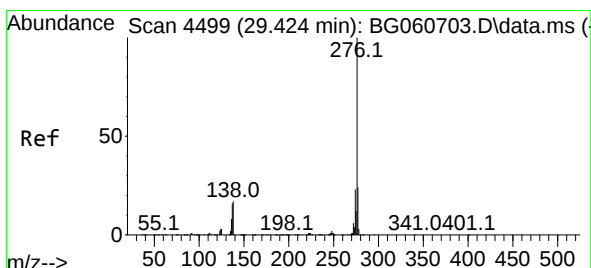
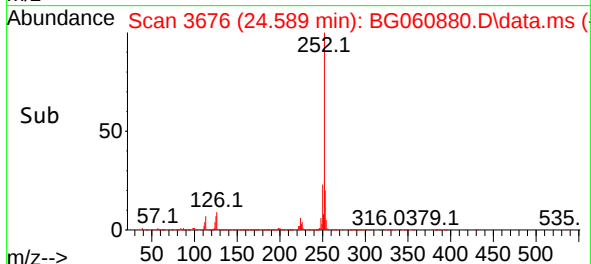
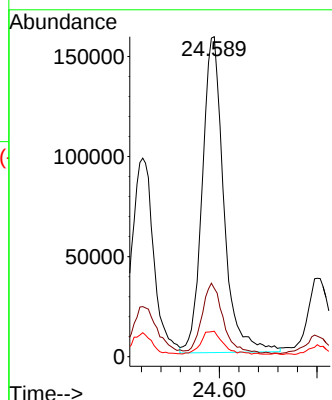
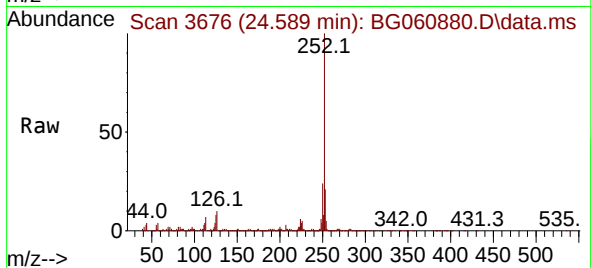
Tgt Ion:252 Resp: 483256

Ion Ratio Lower Upper

252 100

253 21.4 16.8 25.2

125 8.0 7.6 11.4



#92

Benzo(g,h,i)perylene

Concen: 7.113 ng

RT: 29.396 min Scan# 4494

Delta R.T. -0.029 min

Lab File: BG060880.D

Acq: 12 Apr 2024 19:04

Tgt Ion:276 Resp: 179027

Ion Ratio Lower Upper

276 100

277 25.3 18.9 28.3

138 18.6 14.0 21.0

