

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071322\
 Data File : BM035801.D
 Acq On : 13 Jul 2022 19:25
 Operator : CG/JU
 Sample : N3687-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ETGI-346

Quant Time: Jul 14 01:48:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM071322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 14 01:21:21 2022
 Response via : Initial Calibration

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

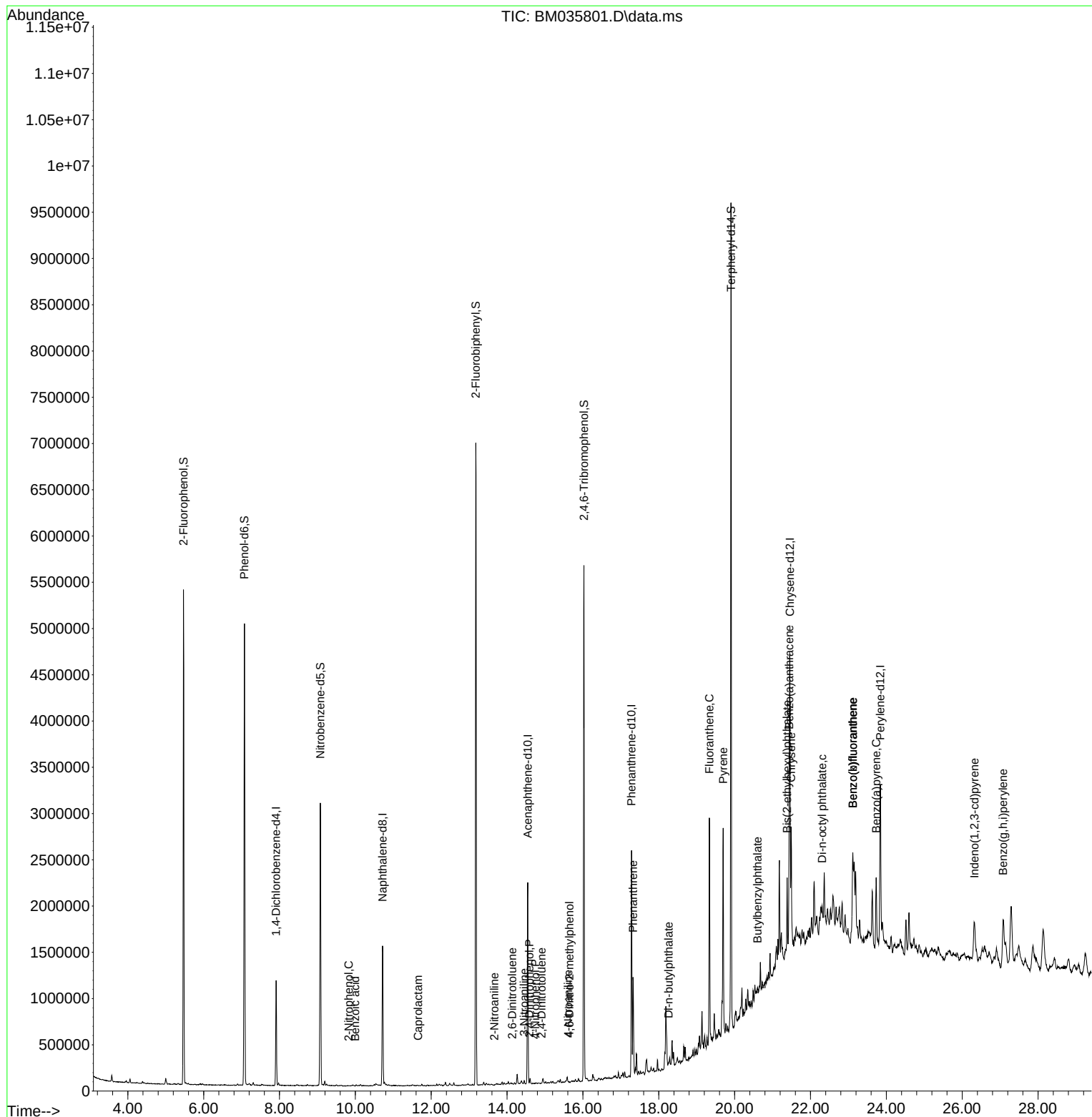
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	298155	20.000	ng	0.00
21) Naphthalene-d8	10.716	136	1259519	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	727780	20.000	ng	0.00
64) Phenanthrene-d10	17.280	188	1423189	20.000	ng	0.00
76) Chrysene-d12	21.456	240	1205964	20.000	ng	0.00
86) Perylene-d12	23.838	264	1250902	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	2225308	121.230	ng	0.00
7) Phenol-d6	7.075	99	2741820	119.414	ng	0.00
23) Nitrobenzene-d5	9.075	82	1674494	76.003	ng	0.00
42) 2,4,6-Tribromophenol	16.027	330	1001742	135.541	ng	0.00
45) 2-Fluorobiphenyl	13.174	172	3452556	66.160	ng	0.00
79) Terphenyl-d14	19.903	244	4229120	68.074	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.822	139	55	4.579	ng	# 1
32) Benzoic acid	9.998	122	785	8.100	ng	# 1
35) Caprolactam	11.651	113	828	5.245	ng	# 1
48) 2-Nitroaniline	13.663	65	54	3.601	ng	# 11
51) 2,6-Dinitrotoluene	14.133	165	531	2.345	ng	# 86
53) 3-Nitroaniline	14.451	138	141	2.680	ng	# 68
54) 2,4-Dinitrophenol	14.586	184	58	7.553	ng	# 1
56) 4-Nitrophenol	14.745	139	457	4.095	ng	# 74
57) 2,4-Dinitrotoluene	14.910	165	216	3.352	ng	# 67
62) 4-Nitroaniline	15.615	138	217	2.816	ng	# 6
65) 4,6-Dinitro-2-methylph...	15.645	198	195	6.615	ng	# 1
71) Phenanthrene	17.321	178	602988	8.065	ng	100
74) Di-n-butylphthalate	18.256	149	22556	2.541	ng	98
75) Fluoranthene	19.333	202	1385627	16.572	ng	97
78) Pyrene	19.697	202	1260286	16.641	ng	99
80) Butylbenzylphthalate	20.603	149	12955	4.602	ng	93
81) Benzo(a)anthracene	21.439	228	687080	9.082	ng	99
83) Chrysene	21.491	228	644581	8.825	ng	98
84) Bis(2-ethylhexyl)phtha...	21.386	149	285019	9.816	ng	# 95
85) Di-n-octyl phthalate	22.309	149	201537	3.415	ng	# 57
87) Indeno(1,2,3-cd)pyrene	26.321	276	415456	4.561	ng	98
88) Benzo(b)fluoranthene	23.115	252	841377	11.136	ng	# 93
89) Benzo(k)fluoranthene	23.115	252	841377	10.647	ng	# 93
90) Benzo(a)pyrene	23.732	252	598338	9.465	ng	# 93
92) Benzo(g,h,i)perylene	27.079	276	411525	5.519	ng	96

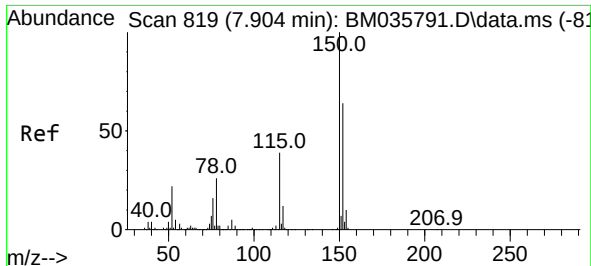
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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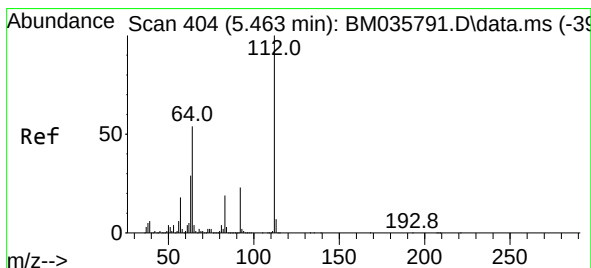
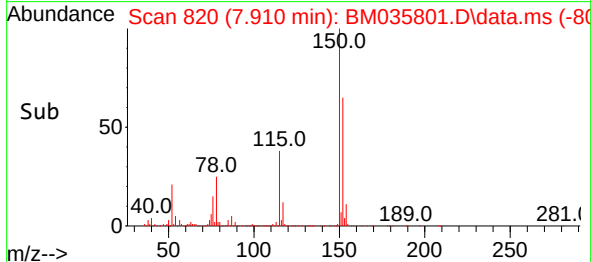
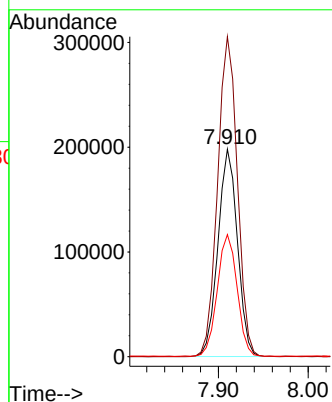
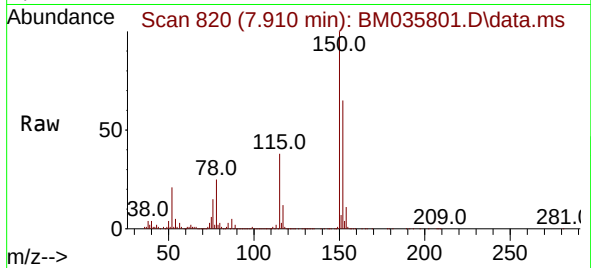




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. 0.006 min
Lab File: BM035801.D
Acq: 13 Jul 2022 19:25

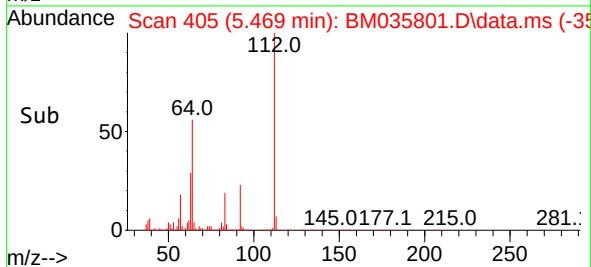
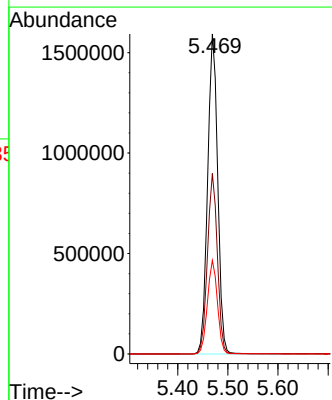
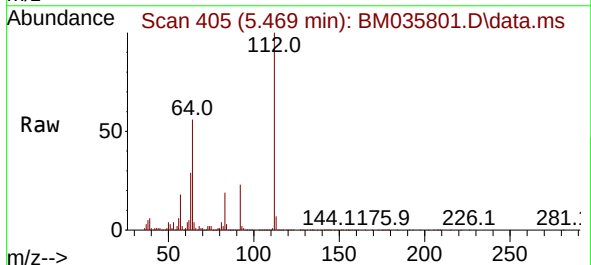
Instrument :
BNA_M
ClientSampleId :
ETGI-346

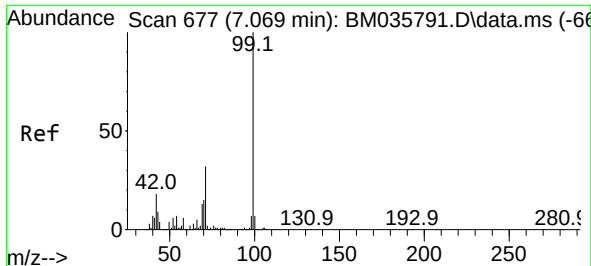
Tgt Ion:152 Resp: 298155
Ion Ratio Lower Upper
152 100
150 154.1 124.9 187.3
115 58.8 47.9 71.9



#5
2-Fluorophenol
Concen: 121.230 ng
RT: 5.469 min Scan# 405
Delta R.T. 0.006 min
Lab File: BM035801.D
Acq: 13 Jul 2022 19:25

Tgt Ion:112 Resp: 2225308
Ion Ratio Lower Upper
112 100
64 56.4 47.8 71.6
63 29.3 26.6 40.0

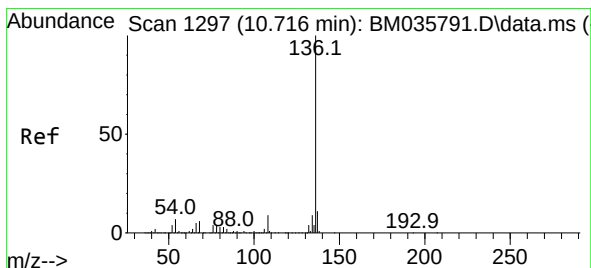
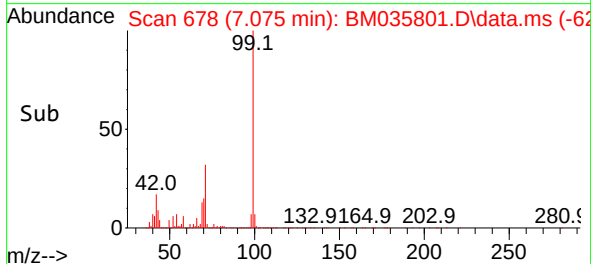
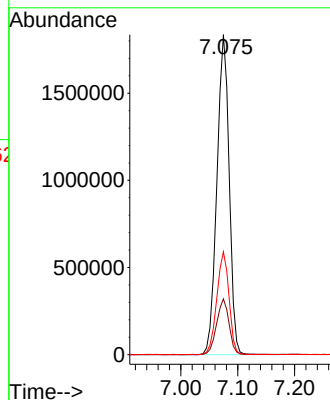
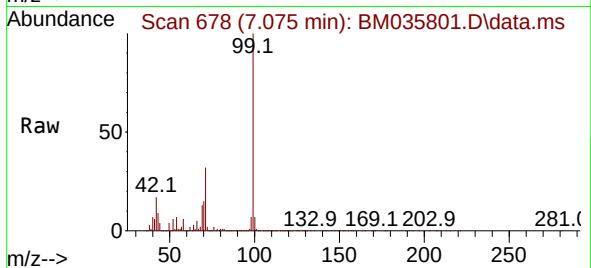




#7
Phenol-d6
Concen: 119.414 ng
RT: 7.075 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM035801.D
Acq: 13 Jul 2022 19:25

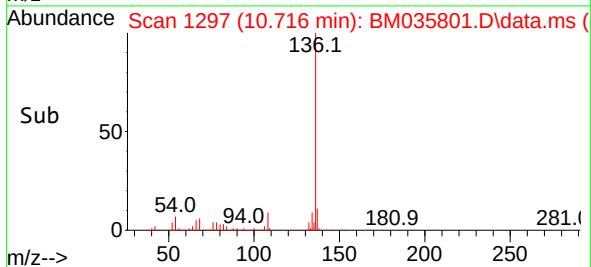
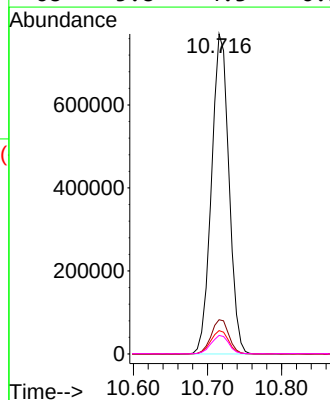
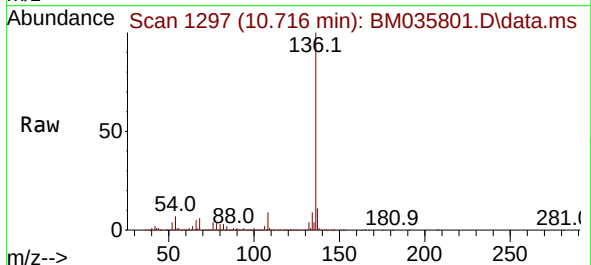
Instrument :
BNA_M
ClientSampleId :
ETGI-346

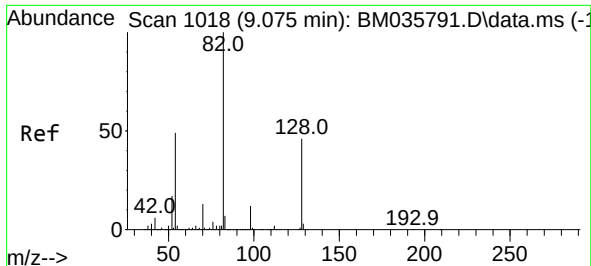
Tgt Ion: 99 Resp: 2741820
Ion Ratio Lower Upper
99 100
42 17.5 18.8 28.2#
71 32.1 30.2 45.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.716 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BM035801.D
Acq: 13 Jul 2022 19:25

Tgt Ion: 136 Resp: 1259519
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.3 7.0 10.4
68 5.8 4.3 6.5

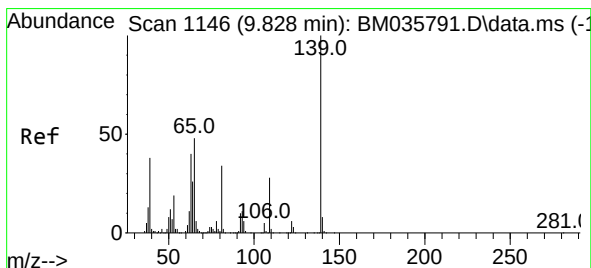
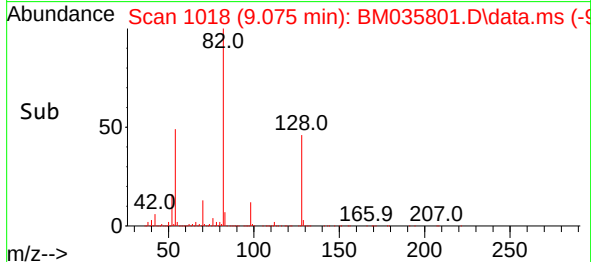
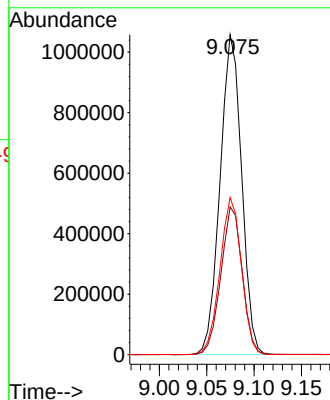
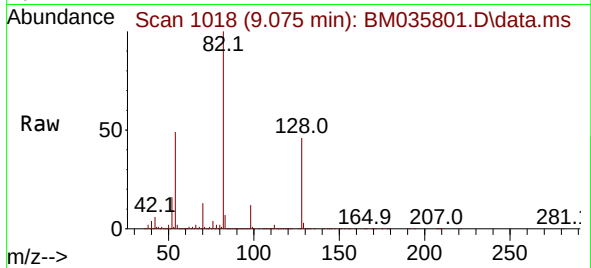




#23
Nitrobenzene-d5
Concen: 76.003 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BM035801.D
Acq: 13 Jul 2022 19:25

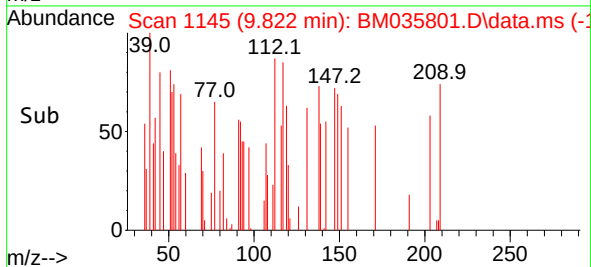
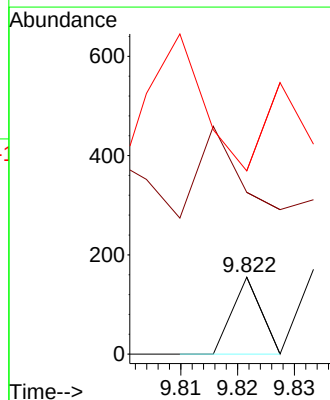
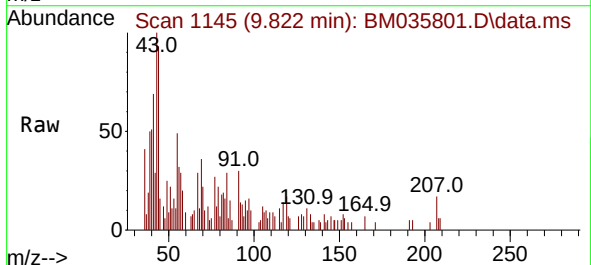
Instrument :
BNA_M
ClientSampleId :
ETGI-346

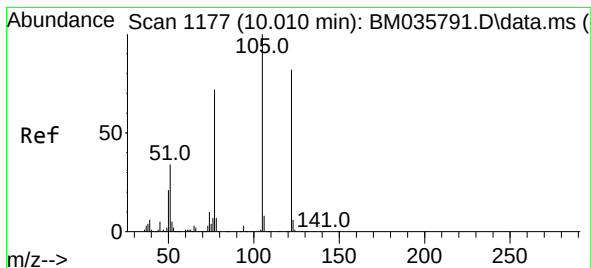
Tgt Ion: 82 Resp: 1674494
Ion Ratio Lower Upper
82 100
128 46.2 33.7 50.5
54 49.1 43.2 64.8



#26
2-Nitrophenol
Concen: 4.579 ng
RT: 9.822 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BM035801.D
Acq: 13 Jul 2022 19:25

Tgt Ion:139 Resp: 55
Ion Ratio Lower Upper
139 100
109 210.3 25.6 38.4#
65 238.1 43.2 64.8#





#32

Benzoic acid

Concen: 8.100 ng

RT: 9.998 min Scan# 1175

Delta R.T. -0.012 min

Lab File: BM035801.D

Acq: 13 Jul 2022 19:25

Instrument :

BNA_M

ClientSampleId :

ETGI-346

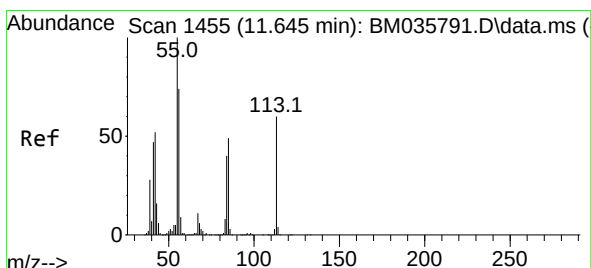
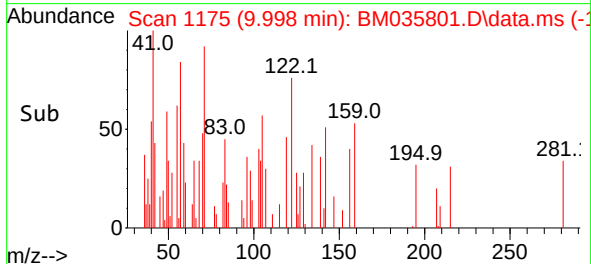
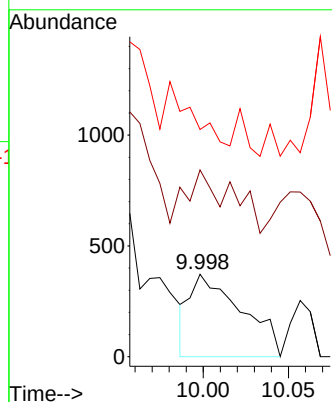
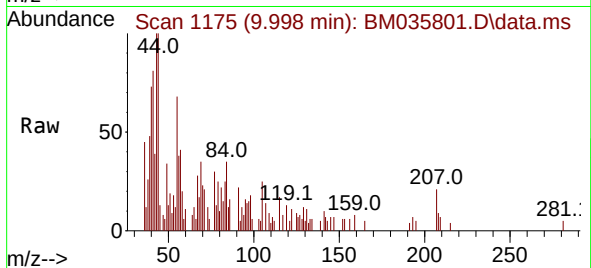
Tgt Ion:122 Resp: 785

Ion Ratio Lower Upper

122 100

105 226.6 105.7 145.7#

77 275.5 80.0 120.0#



#35

Caprolactam

Concen: 5.245 ng

RT: 11.651 min Scan# 1456

Delta R.T. 0.006 min

Lab File: BM035801.D

Acq: 13 Jul 2022 19:25

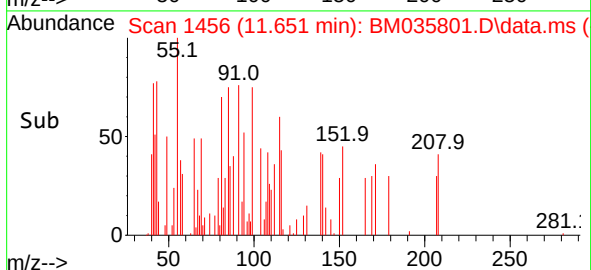
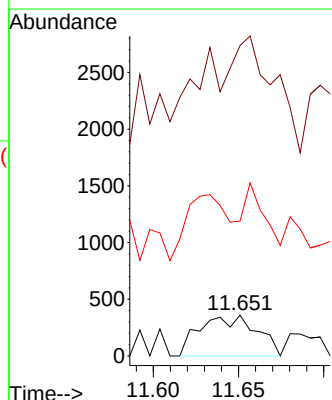
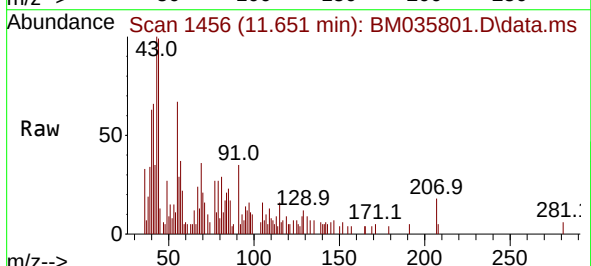
Tgt Ion:113 Resp: 828

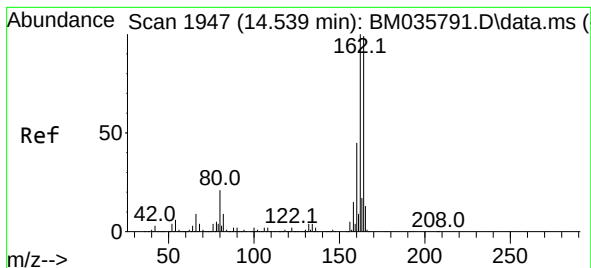
Ion Ratio Lower Upper

113 100

55 760.6 150.1 190.1#

56 330.6 111.7 151.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.545 min Scan# 1947

Delta R.T. 0.006 min

Lab File: BM035801.D

Acq: 13 Jul 2022 19:25

Instrument :

BNA_M

ClientSampleId :

ETGI-346

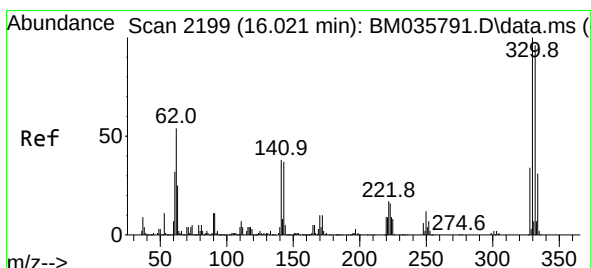
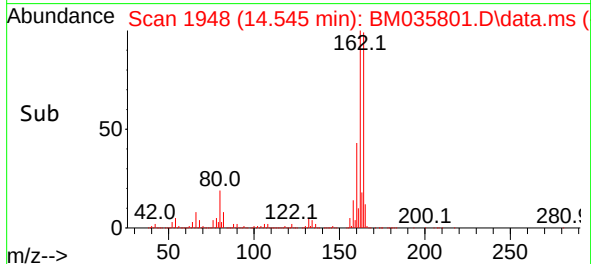
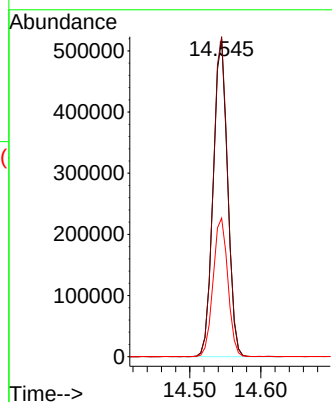
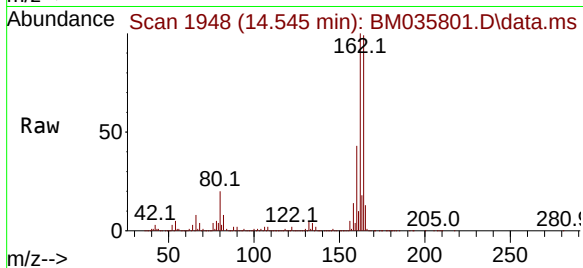
Tgt Ion:164 Resp: 727780

Ion Ratio Lower Upper

164 100

162 100.8 83.0 124.6

160 43.6 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 135.541 ng

RT: 16.027 min Scan# 2200

Delta R.T. 0.006 min

Lab File: BM035801.D

Acq: 13 Jul 2022 19:25

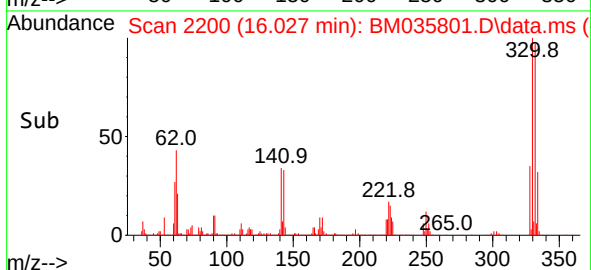
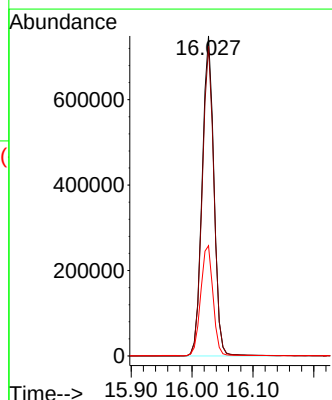
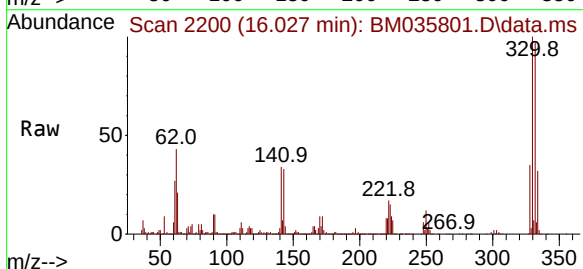
Tgt Ion:330 Resp: 1001742

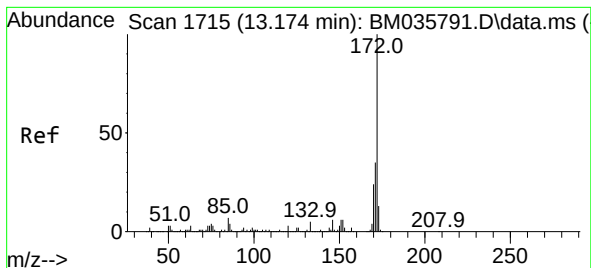
Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.4

141 36.1 35.3 52.9





#45

2-Fluorobiphenyl

Concen: 66.160 ng

RT: 13.174 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM035801.D

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ETGI-346

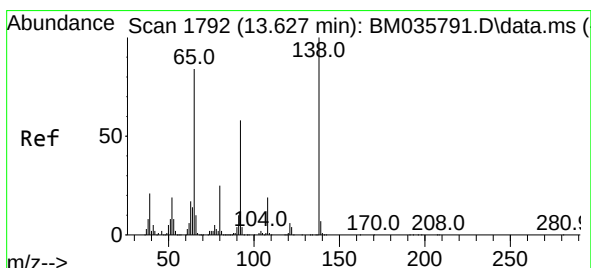
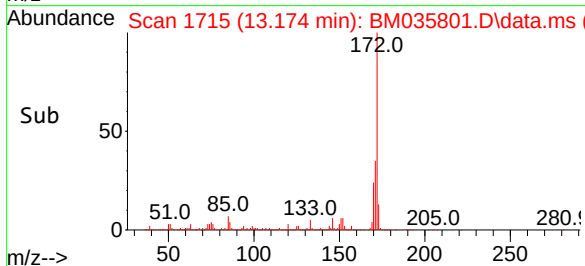
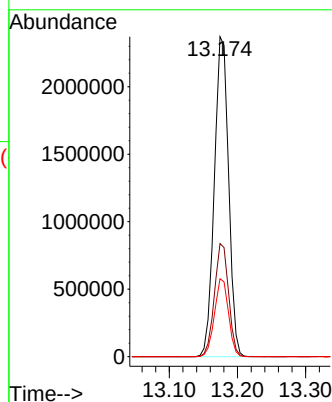
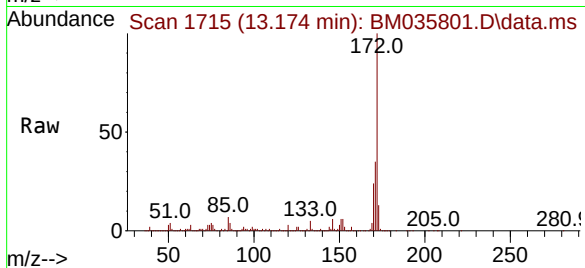
Tgt Ion:172 Resp: 3452556

Ion Ratio Lower Upper

172 100

171 35.4 28.5 42.7

170 24.3 18.7 28.1



#48

2-Nitroaniline

Concen: 3.601 ng

RT: 13.663 min Scan# 1798

Delta R.T. 0.036 min

Lab File: BM035801.D

Acq: 13 Jul 2022 19:25

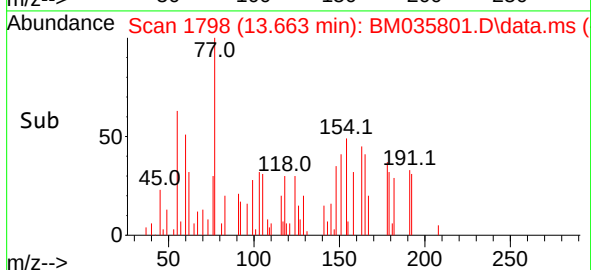
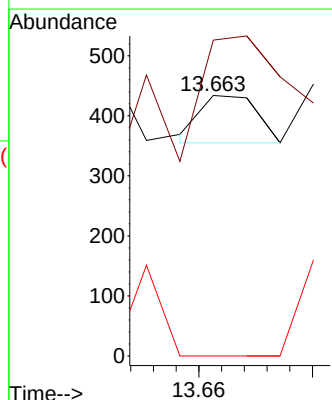
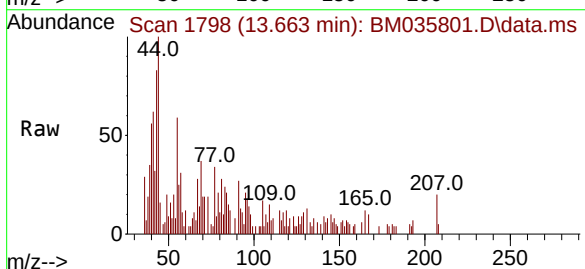
Tgt Ion: 65 Resp: 54

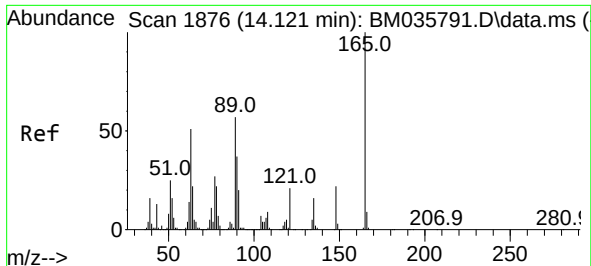
Ion Ratio Lower Upper

65 100

92 121.2 53.7 80.5#

138 0.0 83.9 125.9#

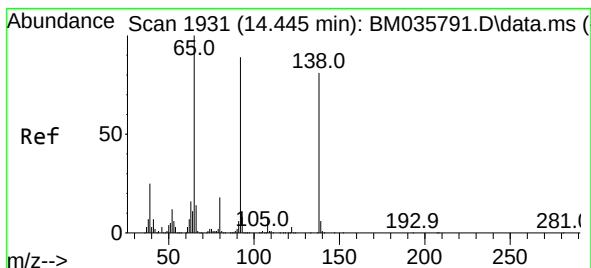
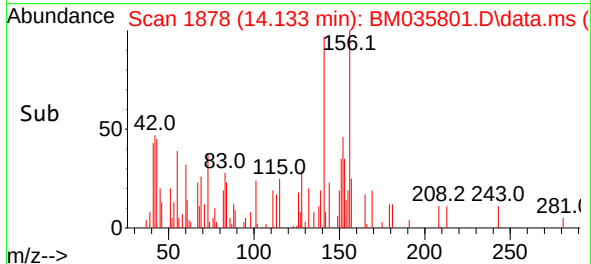
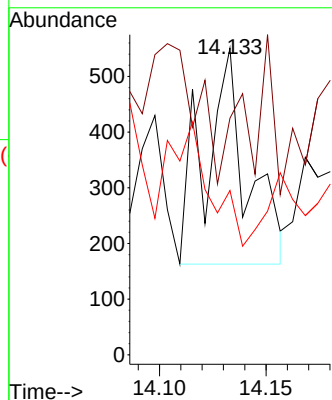
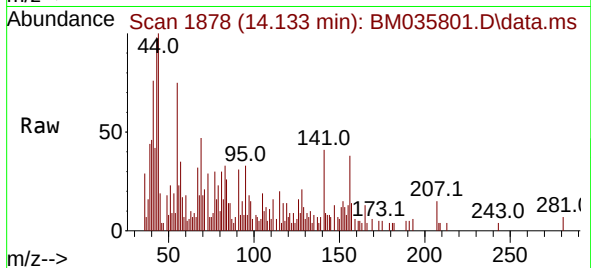




#51
2,6-Dinitrotoluene
Concen: 2.345 ng
RT: 14.133 min Scan# 11
Delta R.T. 0.012 min
Lab File: BM035801.D
Acq: 13 Jul 2022 19:25

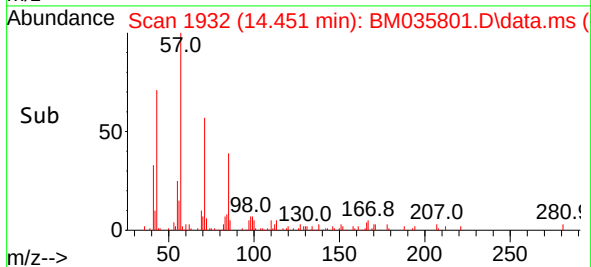
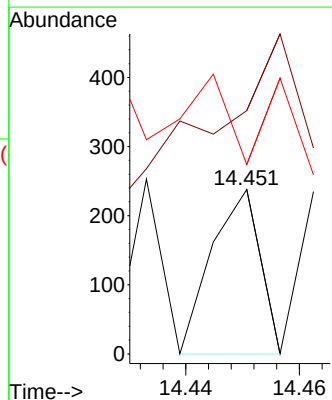
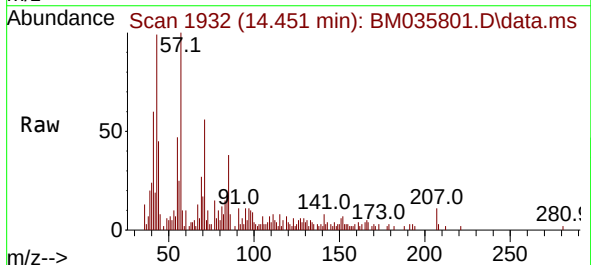
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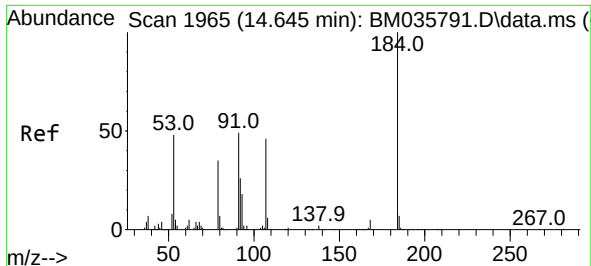
Tgt Ion:165 Resp: 531
Ion Ratio Lower Upper
165 100
63 77.1 50.2 75.2#
89 53.5 48.4 72.6



#53
3-Nitroaniline
Concen: 2.680 ng
RT: 14.451 min Scan# 1932
Delta R.T. 0.006 min
Lab File: BM035801.D
Acq: 13 Jul 2022 19:25

Tgt Ion:138 Resp: 141
Ion Ratio Lower Upper
138 100
108 147.9 8.7 13.1#
92 115.1 91.5 137.3

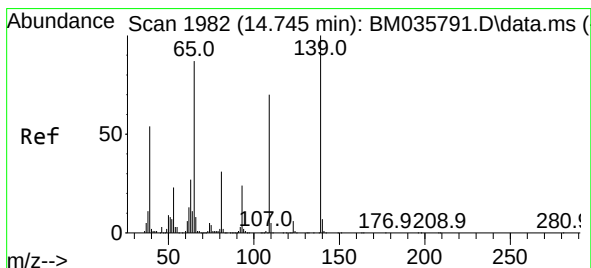
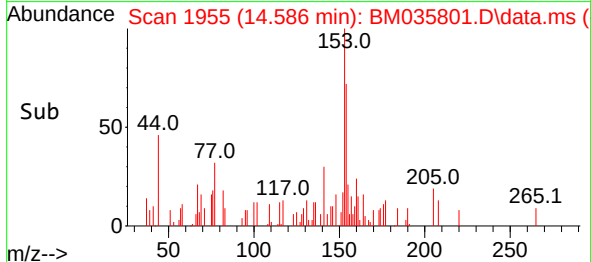
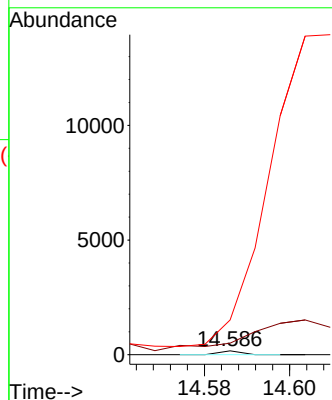
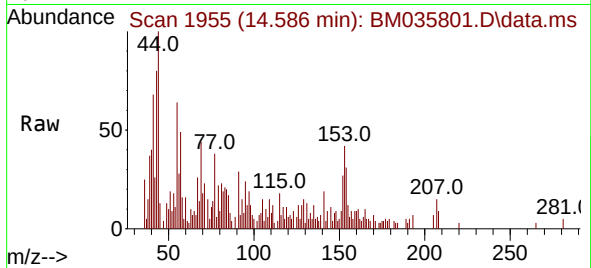




#54
2,4-Dinitrophenol
Concen: 7.553 ng
RT: 14.586 min Scan# 1965
Delta R.T. -0.059 min
Lab File: BM035801.D
Acq: 13 Jul 2022 19:25

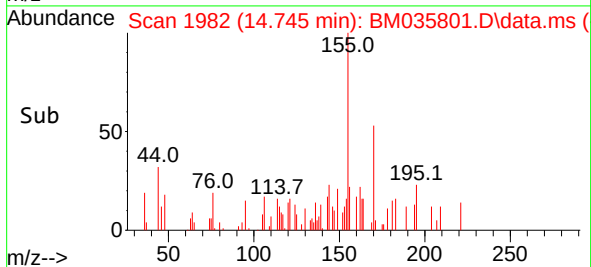
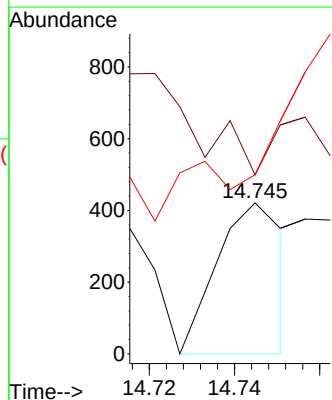
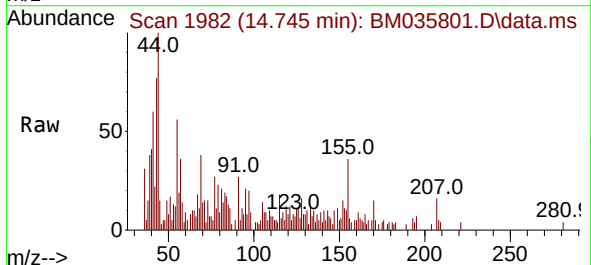
Instrument :
BNA_M
ClientSampleId :
ETGI-346

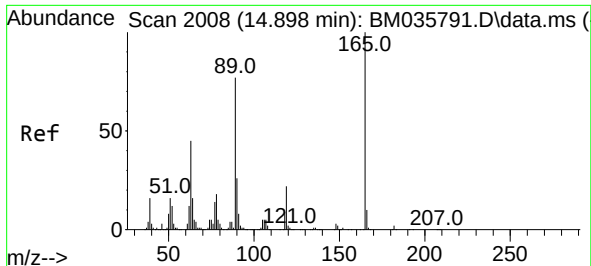
Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 304.3 59.5 89.3#
154 922.6 55.6 83.4#



#56
4-Nitrophenol
Concen: 4.095 ng
RT: 14.745 min Scan# 1982
Delta R.T. -0.000 min
Lab File: BM035801.D
Acq: 13 Jul 2022 19:25

Tgt Ion:139 Resp: 457
Ion Ratio Lower Upper
139 100
109 118.5 62.5 102.5#
65 118.8 83.5 123.5





#57

2,4-Dinitrotoluene

Concen: 3.352 ng

RT: 14.910 min Scan# 20

Delta R.T. 0.011 min

Lab File: BM035801.D

Acq: 13 Jul 2022 19:25

Instrument :

BNA_M

ClientSampleId :

ETGI-346

Tgt Ion:165 Resp: 216

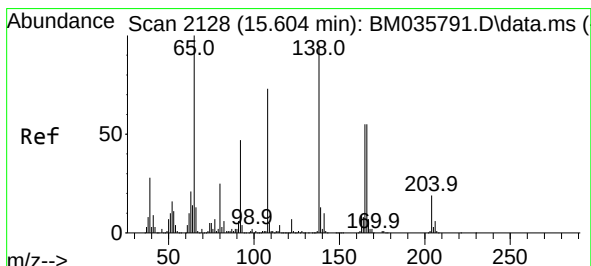
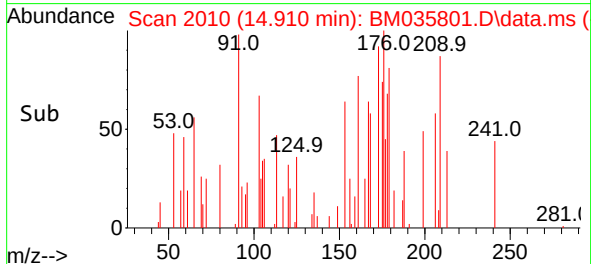
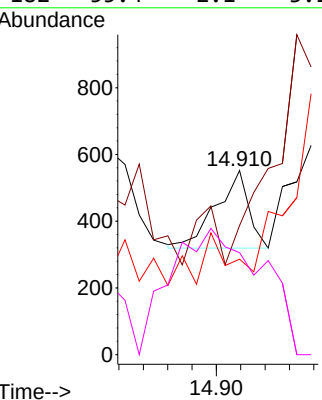
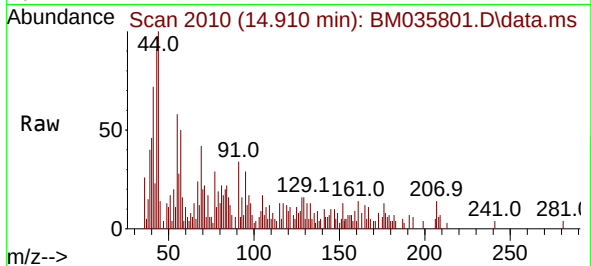
Ion Ratio Lower Upper

165 100

63 70.1 35.6 53.4#

89 51.8 57.3 85.9#

182 55.4 2.1 3.1#



#62

4-Nitroaniline

Concen: 2.816 ng

RT: 15.615 min Scan# 2130

Delta R.T. 0.011 min

Lab File: BM035801.D

Acq: 13 Jul 2022 19:25

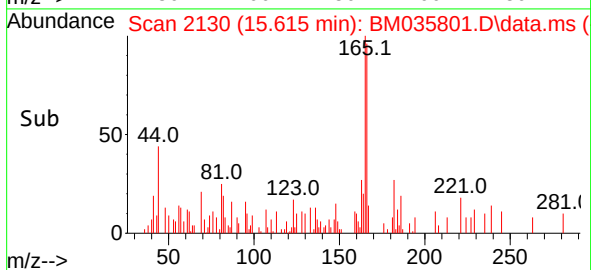
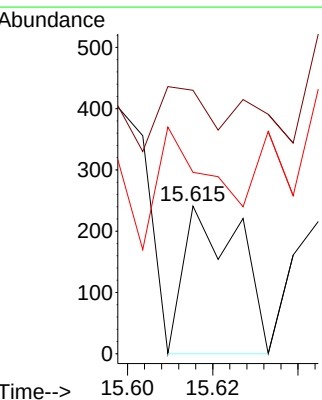
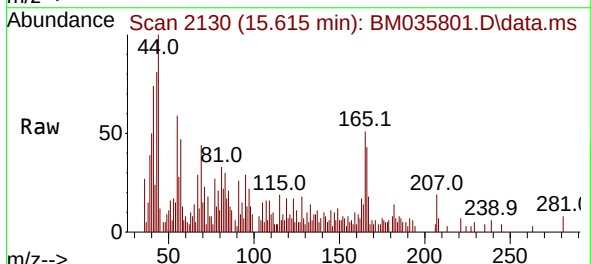
Tgt Ion:138 Resp: 217

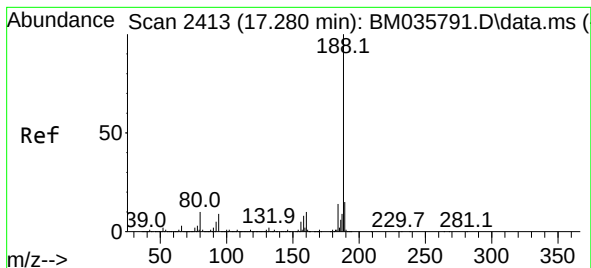
Ion Ratio Lower Upper

138 100

92 178.4 30.8 70.8#

108 122.8 65.7 105.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.280 min Scan# 2413

Delta R.T. -0.000 min

Lab File: BM035801.D

Acq: 13 Jul 2022 19:25

Instrument :

BNA_M

ClientSampleId :

ETGI-346

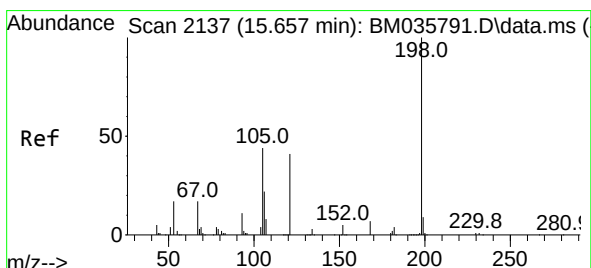
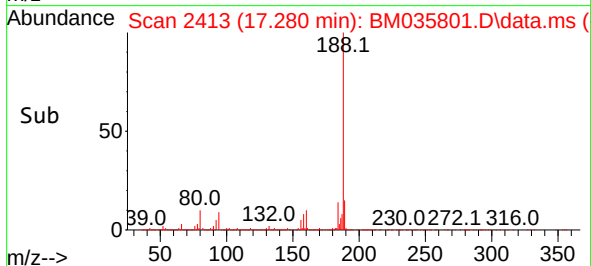
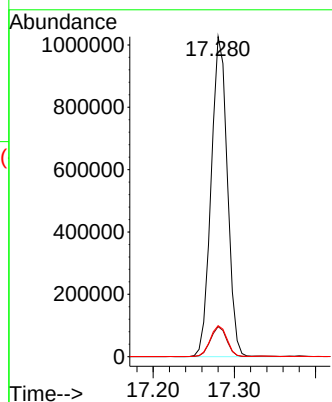
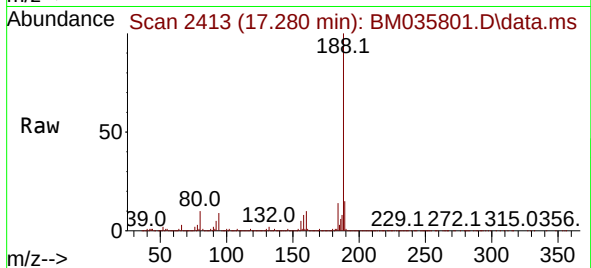
Tgt Ion:188 Resp: 1423189

Ion Ratio Lower Upper

188 100

94 9.4 7.0 10.4

80 9.7 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 6.615 ng

RT: 15.645 min Scan# 2135

Delta R.T. -0.012 min

Lab File: BM035801.D

Acq: 13 Jul 2022 19:25

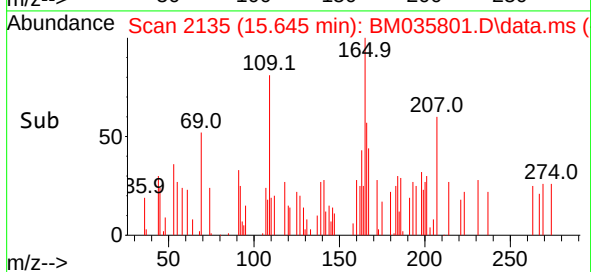
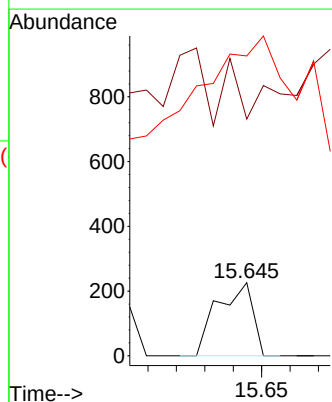
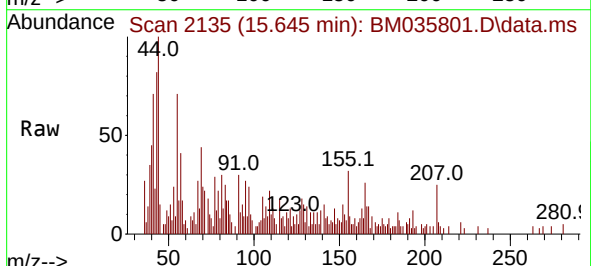
Tgt Ion:198 Resp: 195

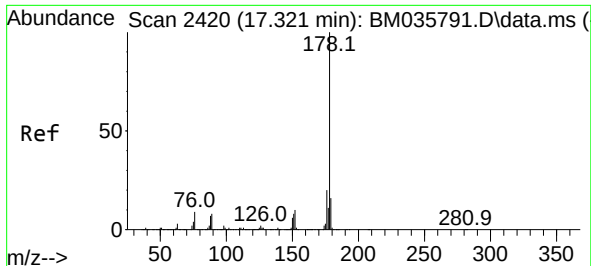
Ion Ratio Lower Upper

198 100

51 323.5 29.0 69.0#

105 409.7 22.1 62.1#

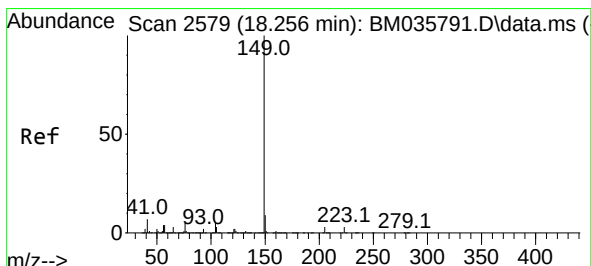
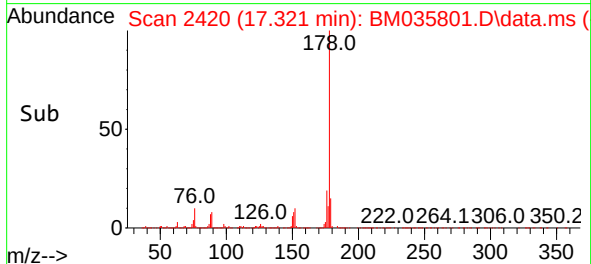
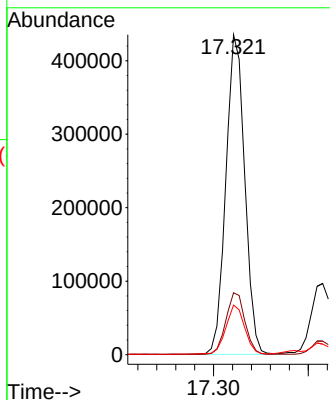
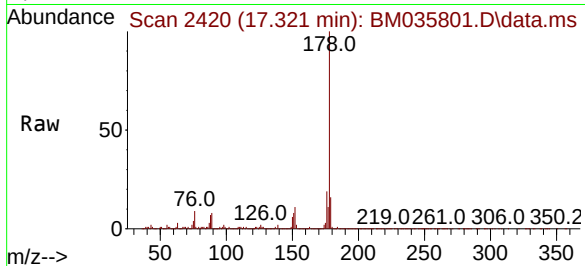




#71
Phenanthrene
Concen: 8.065 ng
RT: 17.321 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM035801.D
Acq: 13 Jul 2022 19:25

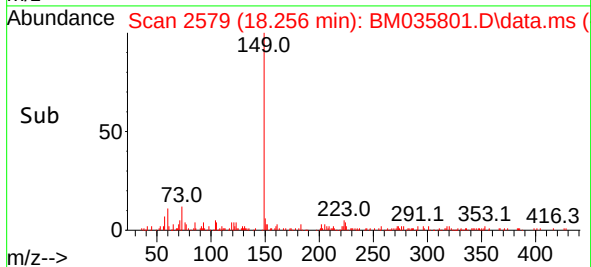
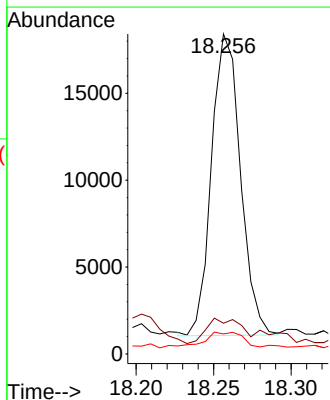
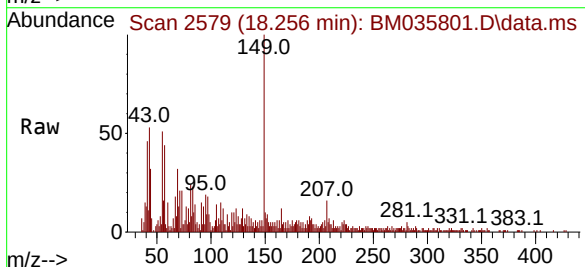
Instrument :
BNA_M
ClientSampleId :
ETGI-346

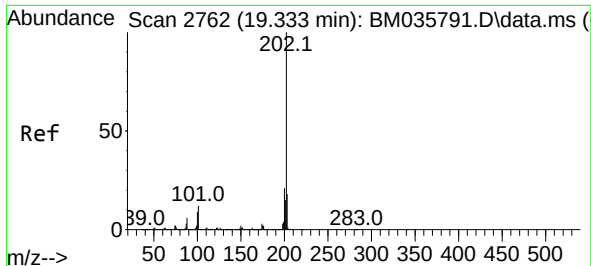
Tgt Ion:178 Resp: 602988
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.5 12.4 18.6



#74
Di-n-butylphthalate
Concen: 2.541 ng
RT: 18.256 min Scan# 2579
Delta R.T. 0.000 min
Lab File: BM035801.D
Acq: 13 Jul 2022 19:25

Tgt Ion:149 Resp: 22556
Ion Ratio Lower Upper
149 100
150 9.6 7.3 10.9
104 6.2 4.3 6.5

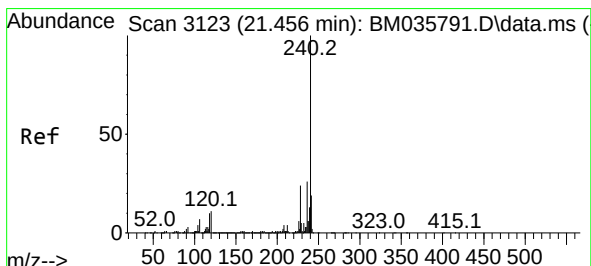
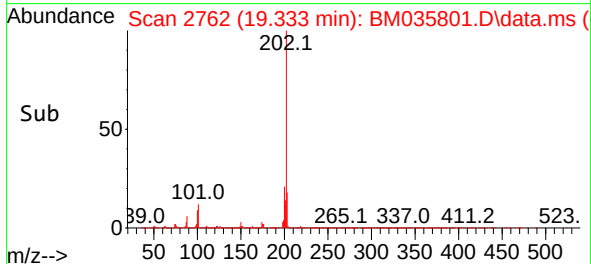
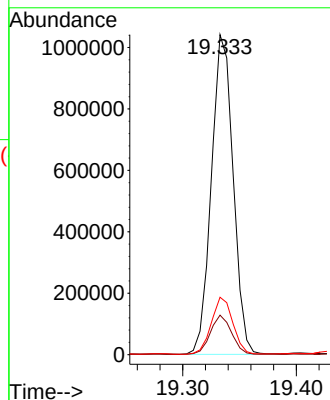
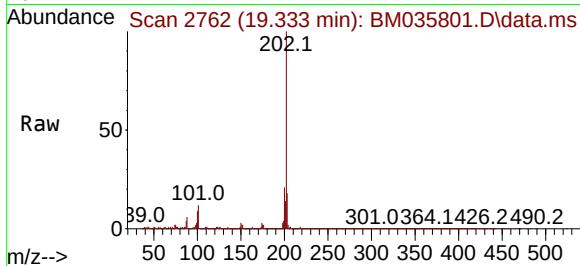




#75
Fluoranthene
Concen: 16.572 ng
RT: 19.333 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM035801.D
Acq: 13 Jul 2022 19:25

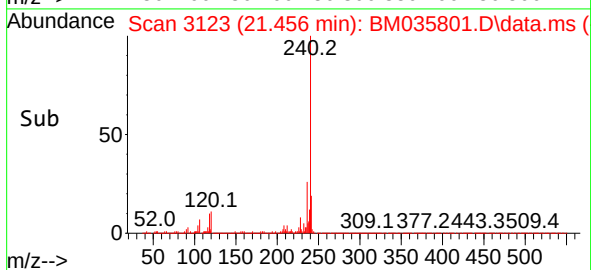
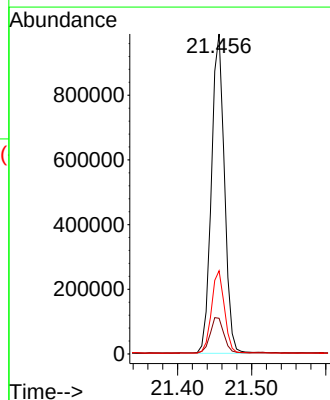
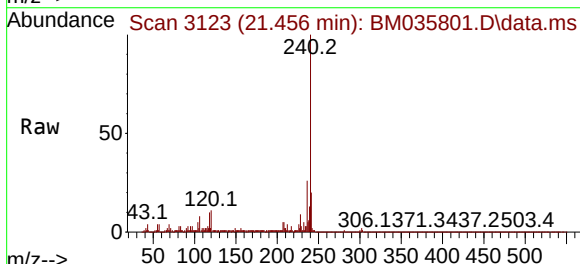
Instrument :
BNA_M
ClientSampleId :
ETGI-346

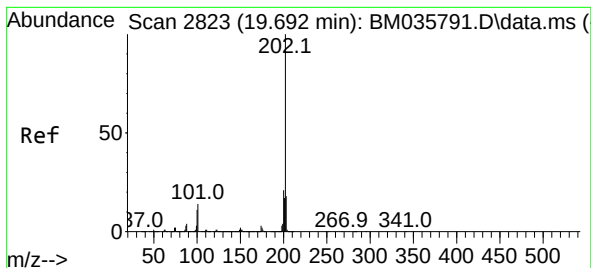
Tgt Ion:202 Resp: 1385627
Ion Ratio Lower Upper
202 100
101 12.3 0.0 30.6
203 18.0 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.456 min Scan# 3123
Delta R.T. 0.000 min
Lab File: BM035801.D
Acq: 13 Jul 2022 19:25

Tgt Ion:240 Resp: 1205964
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.0
236 26.0 20.6 30.8





#78

Pyrene

Concen: 16.641 ng

RT: 19.697 min Scan# 2823

Delta R.T. 0.005 min

Lab File: BM035801.D

Acq: 13 Jul 2022 19:25

Instrument :

BNA_M

ClientSampleId :

ETGI-346

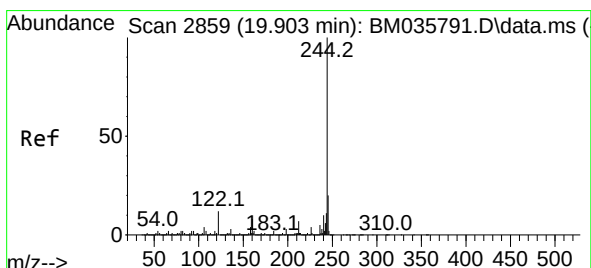
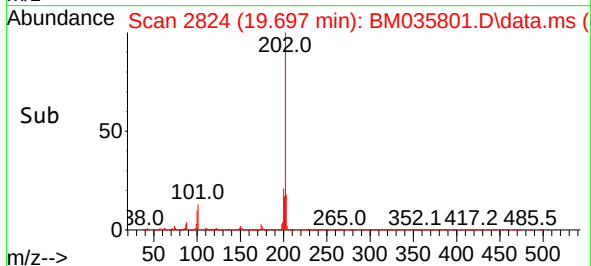
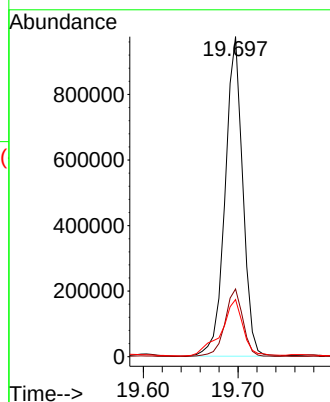
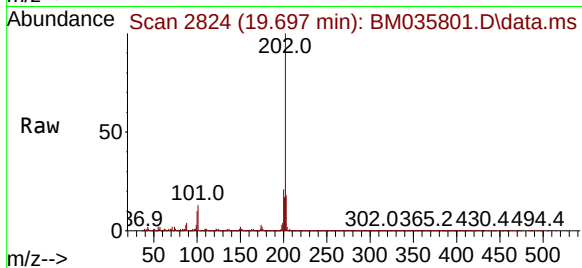
Tgt Ion:202 Resp: 1260286

Ion Ratio Lower Upper

202 100

200 21.2 16.7 25.1

203 17.9 13.9 20.9



#79

Terphenyl-d14

Concen: 68.074 ng

RT: 19.903 min Scan# 2859

Delta R.T. 0.000 min

Lab File: BM035801.D

Acq: 13 Jul 2022 19:25

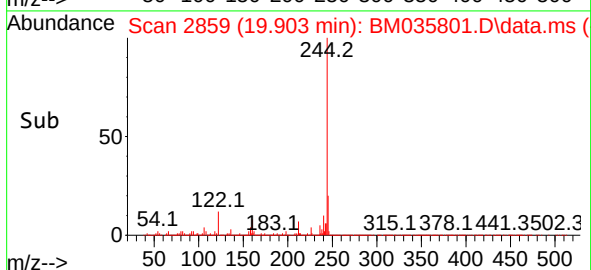
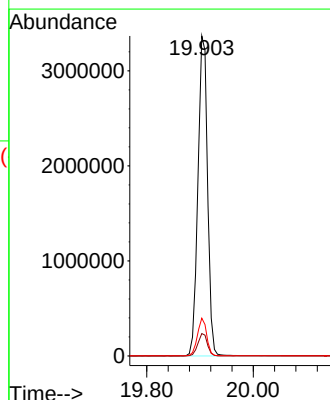
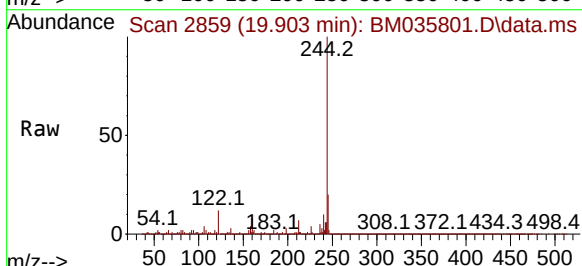
Tgt Ion:244 Resp: 4229120

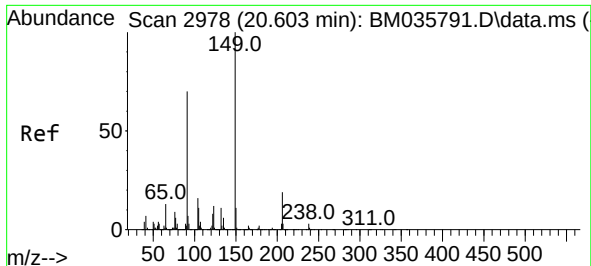
Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.4

122 11.8 8.3 12.5

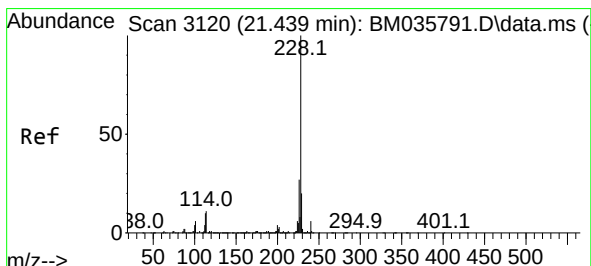
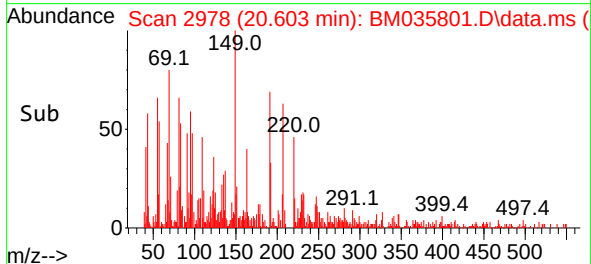
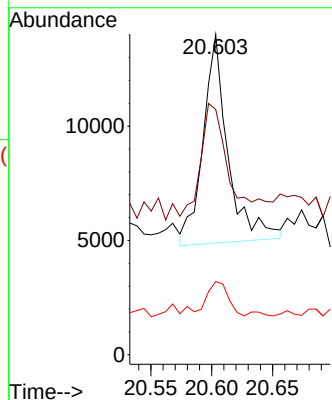
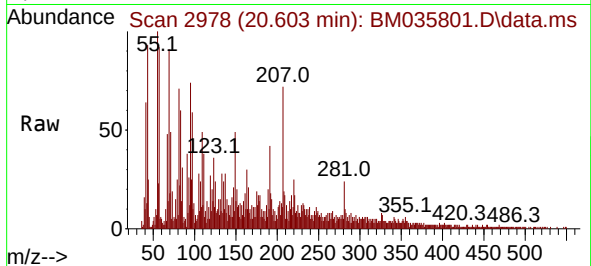




#80
Butylbenzylphthalate
Concen: 4.602 ng
RT: 20.603 min Scan# 2978
Delta R.T. 0.000 min
Lab File: BM035801.D
Acq: 13 Jul 2022 19:25

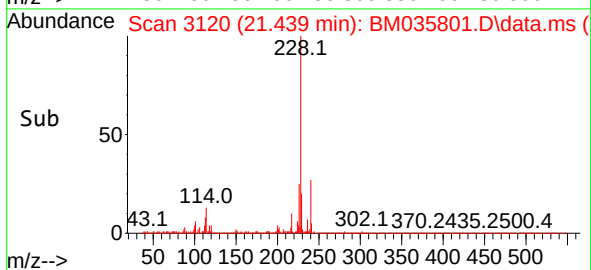
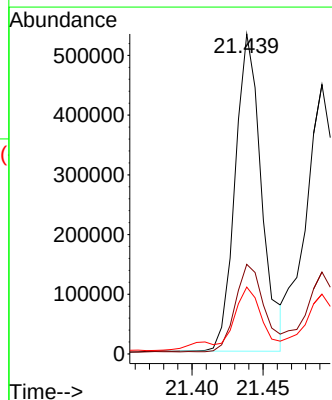
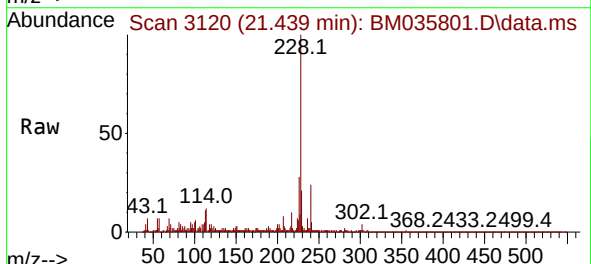
Instrument :
BNA_M
ClientSampleId :
ETGI-346

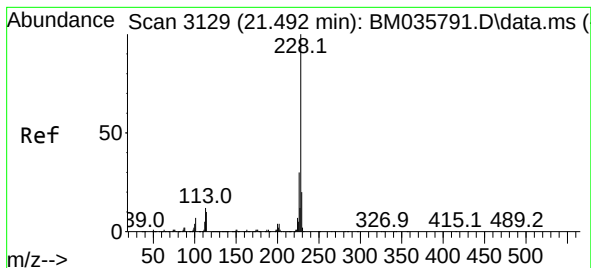
Tgt Ion:149 Resp: 12955
Ion Ratio Lower Upper
149 100
91 76.7 56.6 85.0
206 22.9 15.4 23.0



#81
Benzo(a)anthracene
Concen: 9.082 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BM035801.D
Acq: 13 Jul 2022 19:25

Tgt Ion:228 Resp: 687080
Ion Ratio Lower Upper
228 100
226 28.0 22.3 33.5
229 20.9 15.8 23.6





#83

Chrysene

Concen: 8.825 ng

RT: 21.491 min Scan# 3129

Delta R.T. -0.001 min

Lab File: BM035801.D

Acq: 13 Jul 2022 19:25

Instrument :

BNA_M

ClientSampleId :

ETGI-346

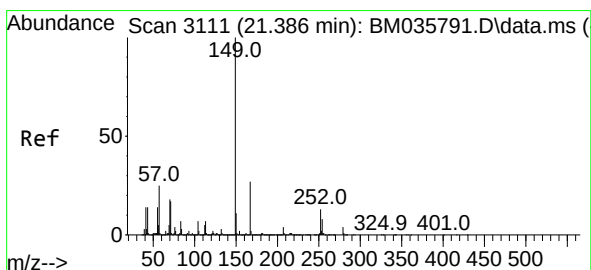
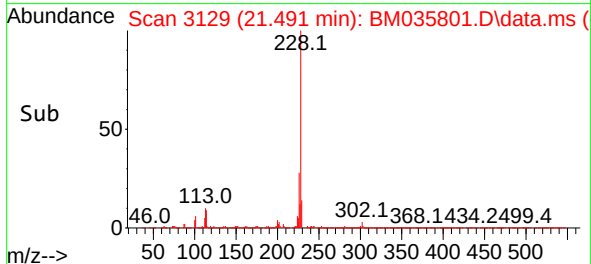
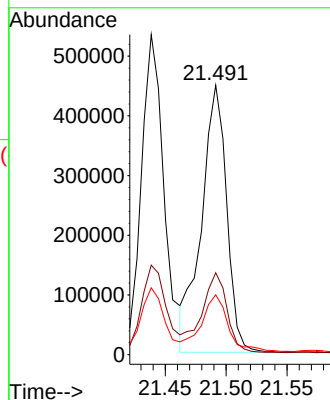
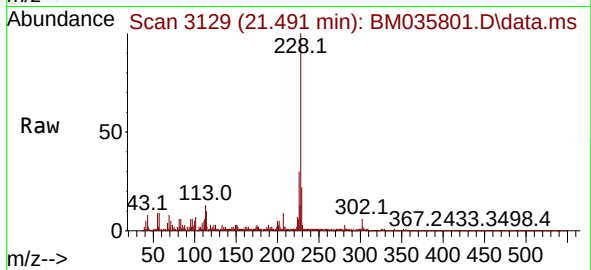
Tgt Ion:228 Resp: 644581

Ion Ratio Lower Upper

228 100

226 30.4 24.4 36.6

229 22.2 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.816 ng

RT: 21.386 min Scan# 3111

Delta R.T. -0.000 min

Lab File: BM035801.D

Acq: 13 Jul 2022 19:25

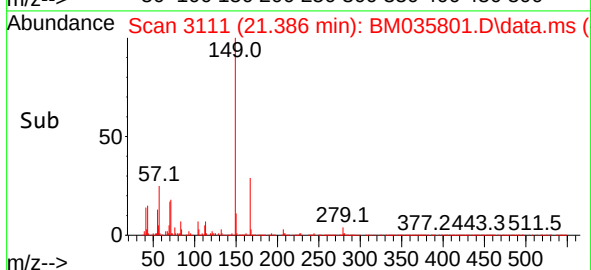
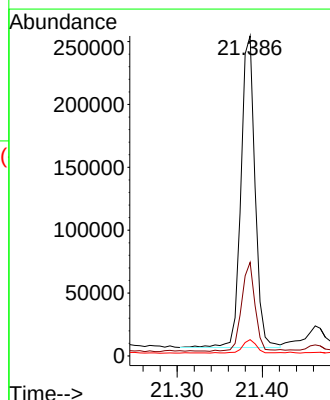
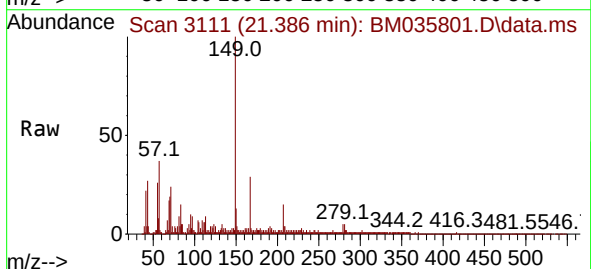
Tgt Ion:149 Resp: 285019

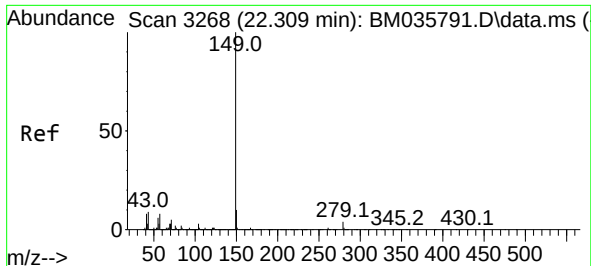
Ion Ratio Lower Upper

149 100

167 29.2 21.1 31.7

279 5.1 2.8 4.2#

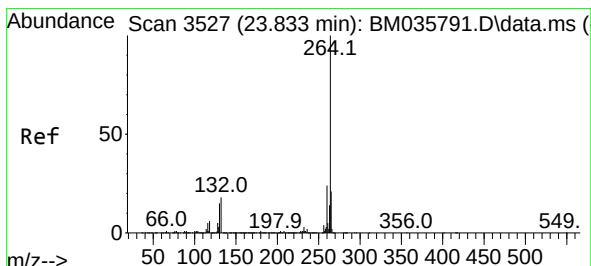
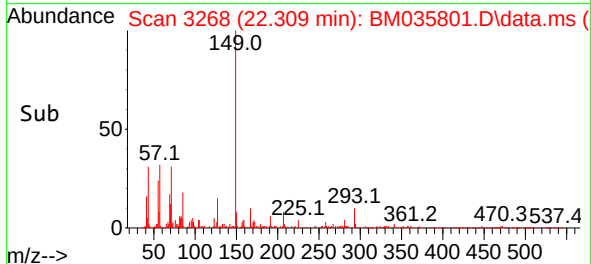
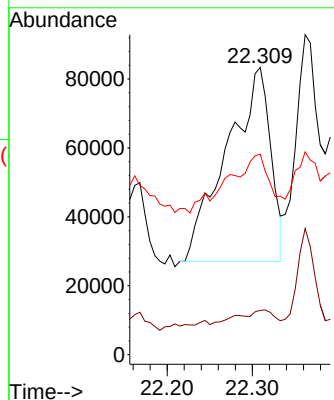
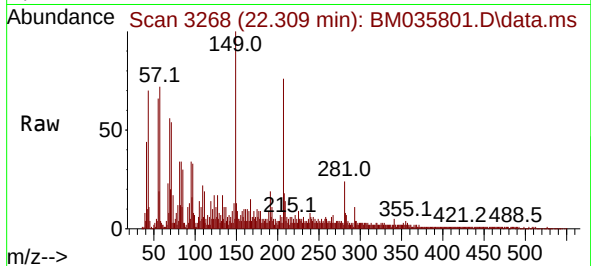




#85
Di-n-octyl phthalate
Concen: 3.415 ng
RT: 22.309 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM035801.D
Acq: 13 Jul 2022 19:25

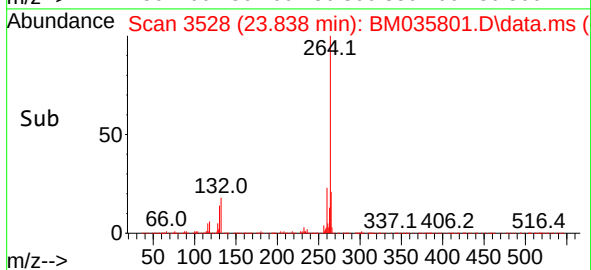
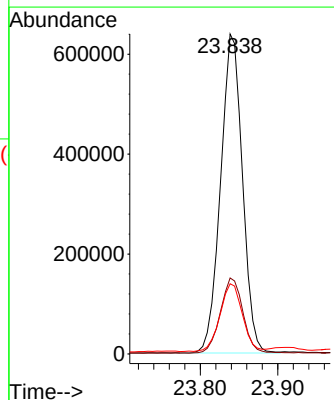
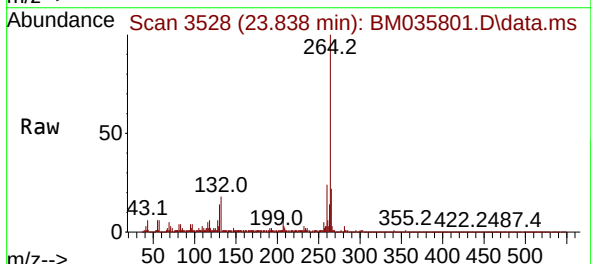
Instrument :
BNA_M
ClientSampleId :
ETGI-346

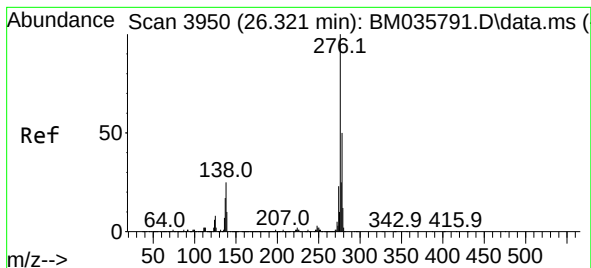
Tgt Ion:149 Resp: 201537
Ion Ratio Lower Upper
149 100
167 4.2 1.3 1.9#
43 29.0 8.6 12.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.838 min Scan# 3528
Delta R.T. 0.005 min
Lab File: BM035801.D
Acq: 13 Jul 2022 19:25

Tgt Ion:264 Resp: 1250902
Ion Ratio Lower Upper
264 100
260 23.7 18.9 28.3
265 21.9 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.561 ng

RT: 26.321 min Scan# 3405

Delta R.T. -0.000 min

Lab File: BM035801.D

Acq: 13 Jul 2022 19:25

Instrument :

BNA_M

ClientSampleId :

ETGI-346

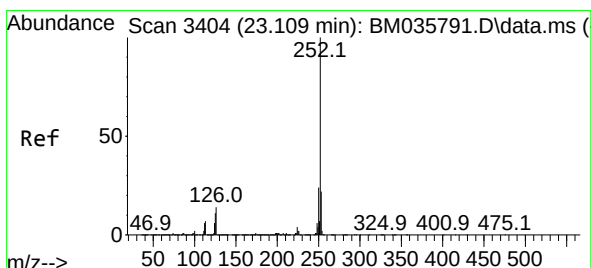
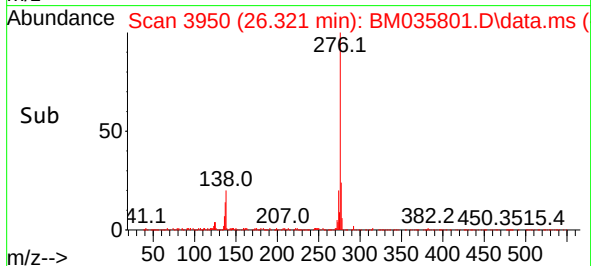
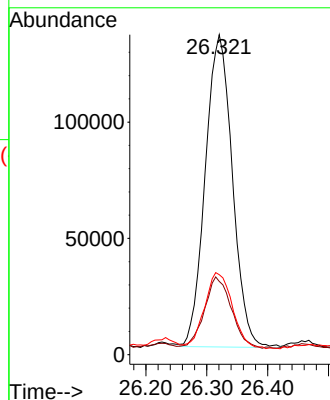
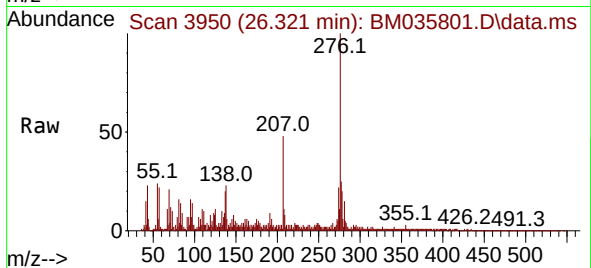
Tgt Ion:276 Resp: 415456

Ion Ratio Lower Upper

276 100

138 22.9 20.2 30.4

277 25.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 11.136 ng

RT: 23.115 min Scan# 3405

Delta R.T. 0.006 min

Lab File: BM035801.D

Acq: 13 Jul 2022 19:25

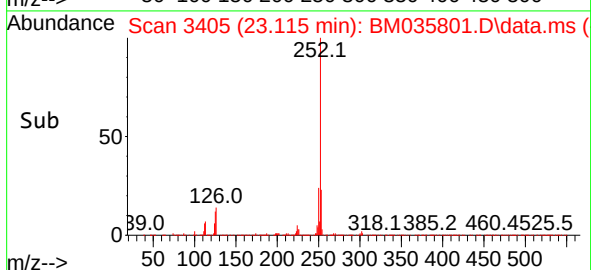
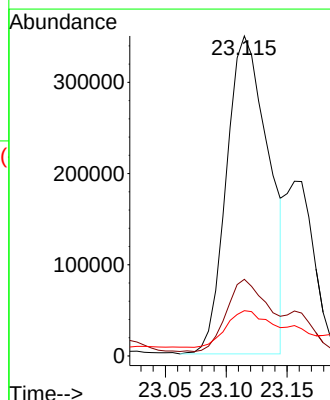
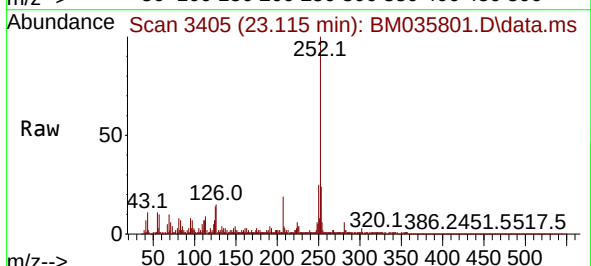
Tgt Ion:252 Resp: 841377

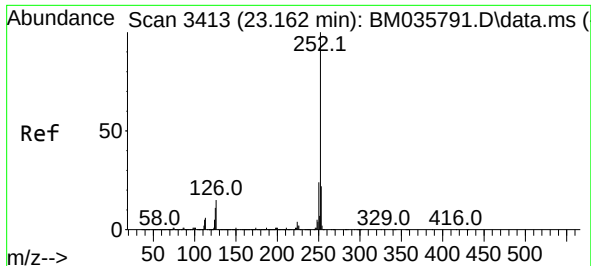
Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

125 14.1 7.6 11.4#

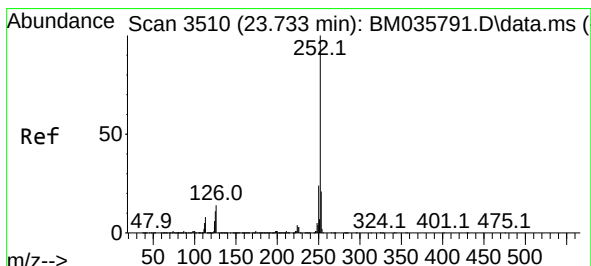
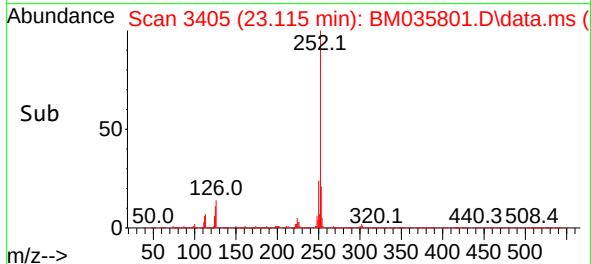
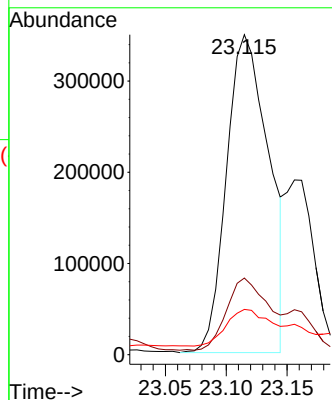
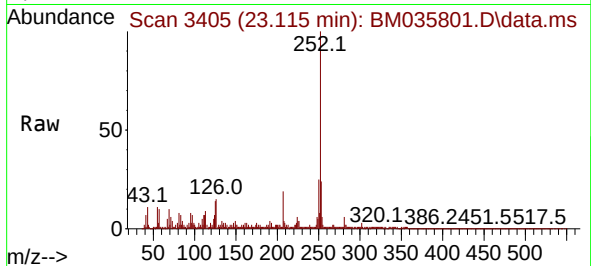




#89
Benzo(k)fluoranthene
Concen: 10.647 ng
RT: 23.115 min Scan# 3413
Delta R.T. -0.047 min
Lab File: BM035801.D
Acq: 13 Jul 2022 19:25

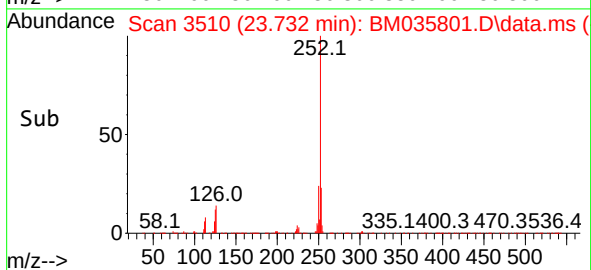
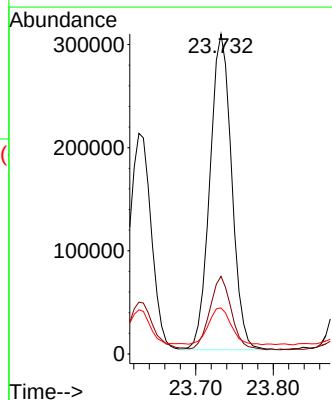
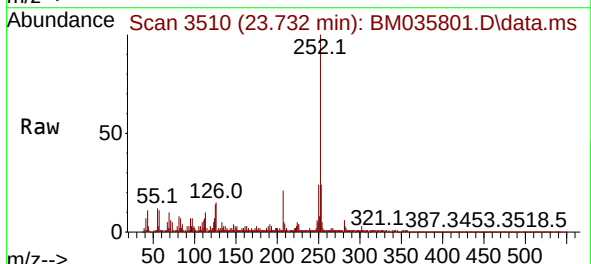
Instrument :
BNA_M
ClientSampleId :
ETGI-346

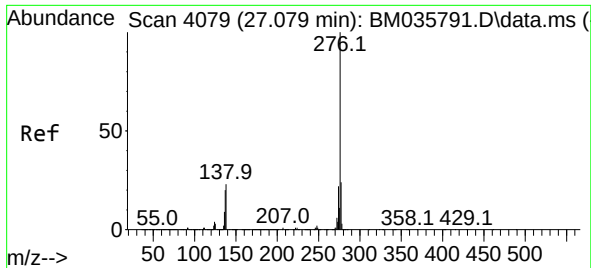
Tgt Ion:252 Resp: 841377
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 14.1 7.6 11.4#



#90
Benzo(a)pyrene
Concen: 9.465 ng
RT: 23.732 min Scan# 3510
Delta R.T. -0.001 min
Lab File: BM035801.D
Acq: 13 Jul 2022 19:25

Tgt Ion:252 Resp: 598338
Ion Ratio Lower Upper
252 100
253 24.3 17.2 25.8
125 14.4 8.7 13.1#





#92
 Benzo(g,h,i)perylene
 Concen: 5.519 ng
 RT: 27.079 min Scan# 4079
 Delta R.T. -0.000 min
 Lab File: BM035801.D
 Acq: 13 Jul 2022 19:25

Instrument :
 BNA_M
 ClientSampleId :
 ETGI-346

Tgt Ion:	276	Resp:	411525
Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.7	28.1
138	24.2	17.6	26.4

