

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020924\
 Data File : BP019650.D
 Acq On : 10 Feb 2024 01:14
 Operator : MA/JU
 Sample : P1413-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ETGI-347

Quant Time: Feb 10 03:14:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

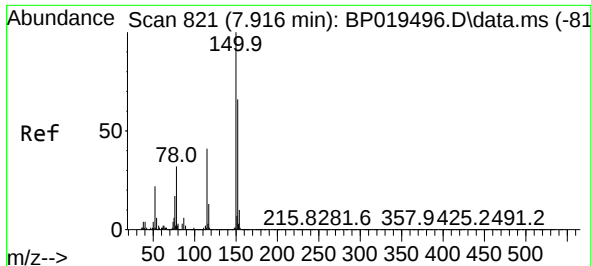
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	99186	20.000	ng	-0.01
21) Naphthalene-d8	10.704	136	341906	20.000	ng	-0.01
39) Acenaphthene-d10	14.540	164	188098	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	415846	20.000	ng	0.00
76) Chrysene-d12	21.392	240	492456	20.000	ng	0.00
86) Perylene-d12	23.810	264	574810	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	584995	95.070	ng	0.00
7) Phenol-d6	7.081	99	746690	89.997	ng	0.00
23) Nitrobenzene-d5	9.075	82	515623	65.347	ng	-0.01
42) 2,4,6-Tribromophenol	16.034	330	322461	117.414	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	1026460	67.462	ng	-0.01
79) Terphenyl-d14	19.863	244	1806646	60.332	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.263	152	157889	9.132	ng	98
52) Acenaphthene	14.604	154	102006	9.506	ng	98
55) Dibenzofuran	14.940	168	114710	6.563	ng	99
58) Fluorene	15.592	166	171267	12.303	ng	98
71) Phenanthrene	17.339	178	1031013	47.111	ng	100
72) Anthracene	17.433	178	743221	34.044	ng	100
73) Carbazole	17.704	167	99433	5.014	ng	98
75) Fluoranthene	19.310	202	2602929	97.363	ng	99
78) Pyrene	19.663	202	2196341	63.194	ng	99
81) Benzo(a)anthracene	21.374	228	1322431	38.149	ng	96
83) Chrysene	21.427	228	1391842	42.290	ng	98
85) Di-n-octyl phthalate	22.316	149	69833	2.008	ng	# 69
87) Indeno(1,2,3-cd)pyrene	26.333	276	352193	8.004	ng	97
88) Benzo(b)fluoranthene	23.080	252	1446496	39.928	ng	99
89) Benzo(k)fluoranthene	23.080	252	1446496	41.799	ng	98
90) Benzo(a)pyrene	23.704	252	689915	21.403	ng	97
91) Dibenzo(a,h)anthracene	26.345	278	109078	3.014	ng	# 87
92) Benzo(g,h,i)perylene	27.115	276	301184	8.204	ng	98

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

Quant Time: Feb 10 03:14:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
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QLast Update : Thu Feb 01 00:51:48 2024
Response via : Initial Calibration

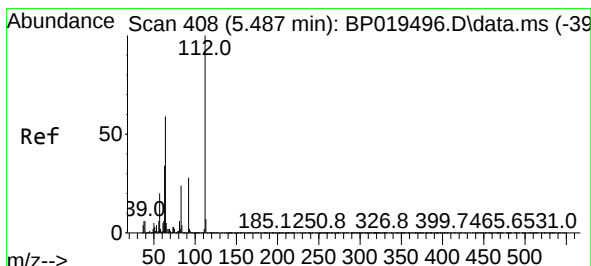
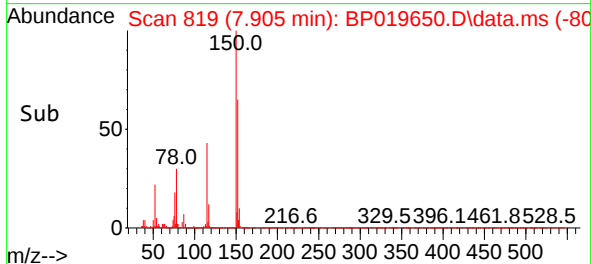
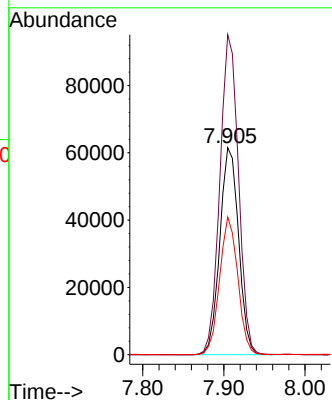
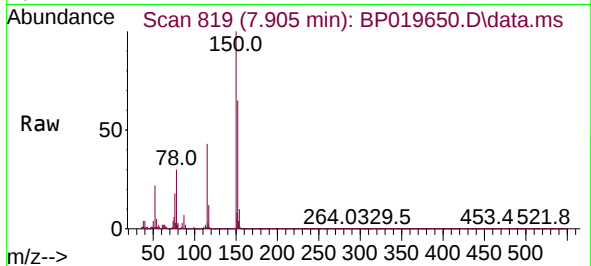




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP019650.D
Acq: 10 Feb 2024 01:14

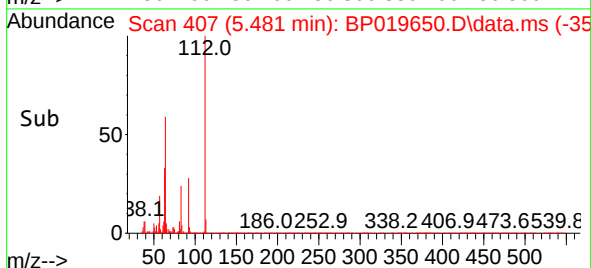
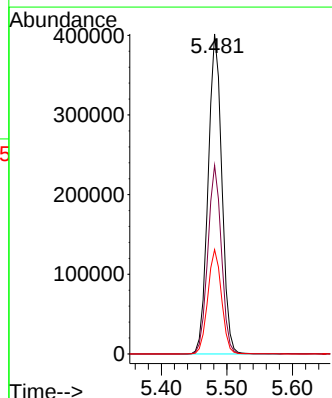
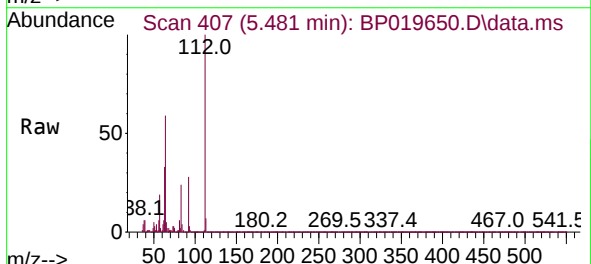
Instrument :
BNA_P
ClientSampleId :
ETGI-347

Tgt Ion:152 Resp: 99186
Ion Ratio Lower Upper
152 100
150 154.5 121.8 182.8
115 66.4 49.9 74.9



#5
2-Fluorophenol
Concen: 95.070 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.006 min
Lab File: BP019650.D
Acq: 10 Feb 2024 01:14

Tgt Ion:112 Resp: 584995
Ion Ratio Lower Upper
112 100
64 59.0 47.4 71.0
63 32.6 27.0 40.6

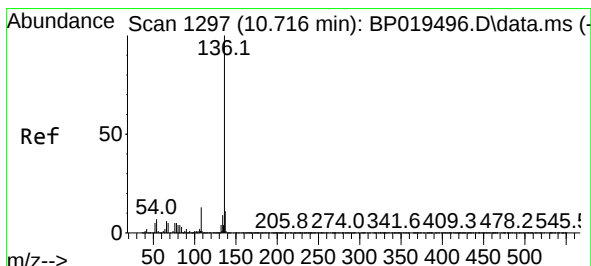
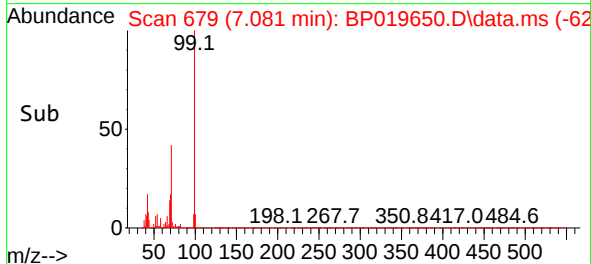
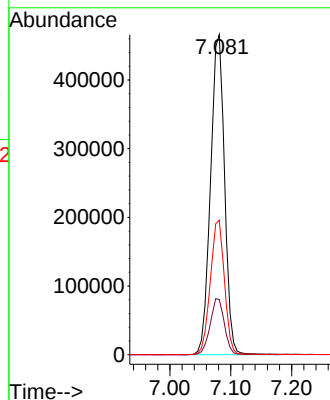
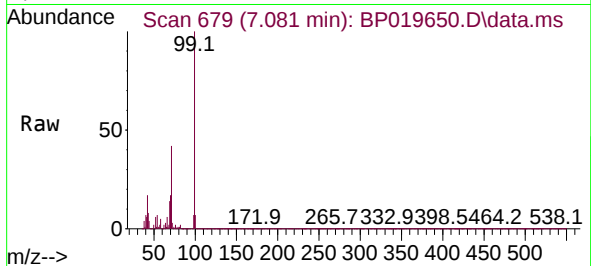




#7
Phenol-d6
Concen: 89.997 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019650.D
Acq: 10 Feb 2024 01:14

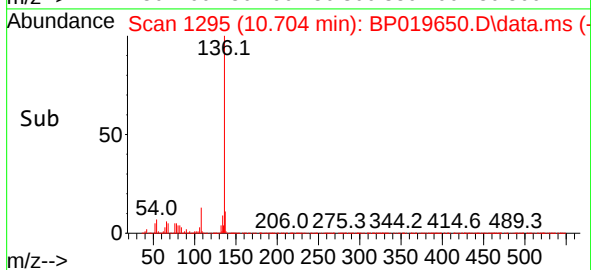
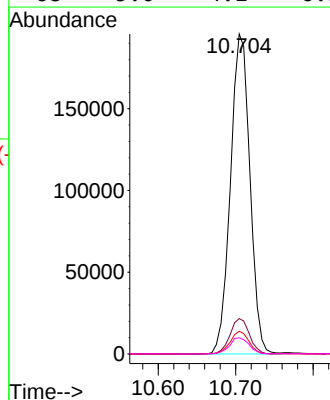
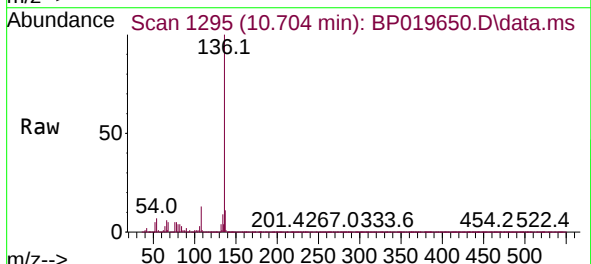
Instrument :
BNA_P
ClientSampleId :
ETGI-347

Tgt Ion: 99 Resp: 746690
Ion Ratio Lower Upper
99 100
42 17.2 14.7 22.1
71 42.0 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.011 min
Lab File: BP019650.D
Acq: 10 Feb 2024 01:14

Tgt Ion: 136 Resp: 341906
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.1 5.3 7.9
68 5.0 4.1 6.1

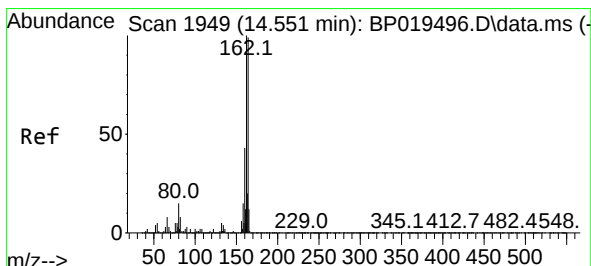
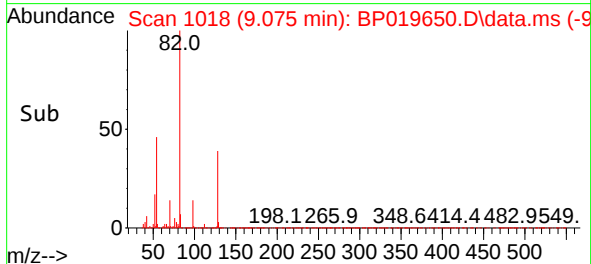
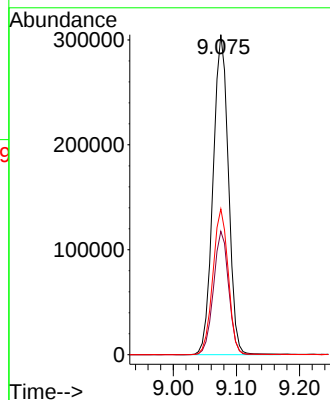
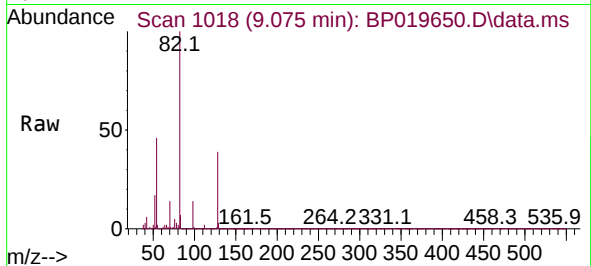




#23
Nitrobenzene-d5
Concen: 65.347 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.011 min
Lab File: BP019650.D
Acq: 10 Feb 2024 01:14

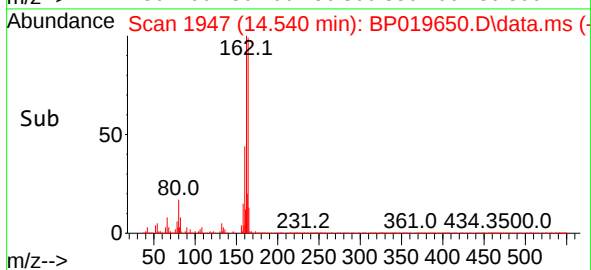
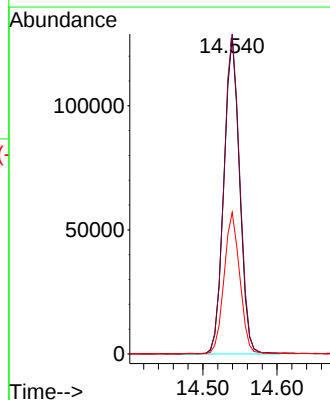
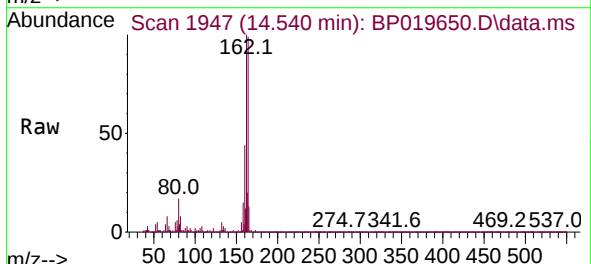
Instrument :
BNA_P
ClientSampleId :
ETGI-347

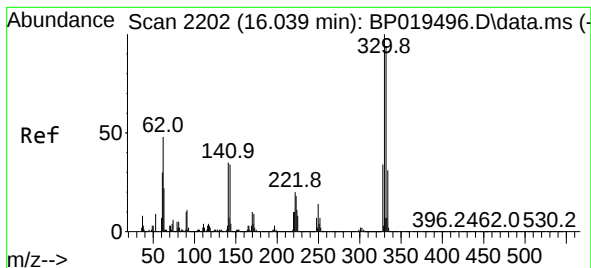
Tgt Ion: 82 Resp: 515623
Ion Ratio Lower Upper
82 100
128 38.6 29.7 44.5
54 45.6 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.540 min Scan# 1947
Delta R.T. -0.011 min
Lab File: BP019650.D
Acq: 10 Feb 2024 01:14

Tgt Ion:164 Resp: 188098
Ion Ratio Lower Upper
164 100
162 101.0 81.2 121.8
160 44.7 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 117.414 ng

RT: 16.034 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019650.D

Acq: 10 Feb 2024 01:14

Instrument :

BNA_P

ClientSampleId :

ETGI-347

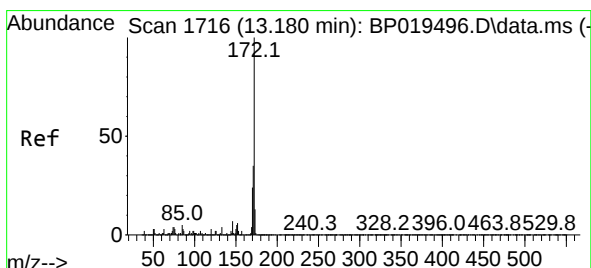
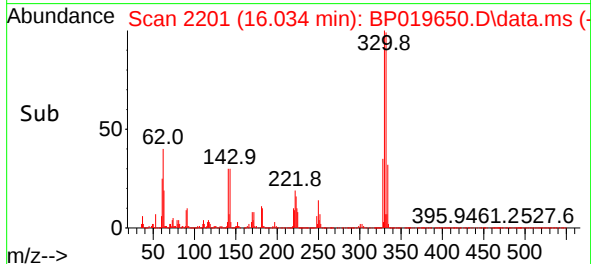
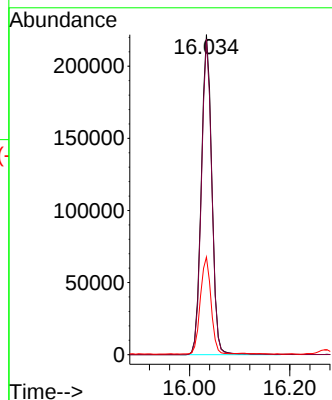
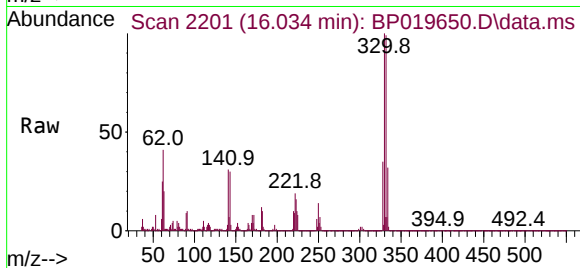
Tgt Ion:330 Resp: 322461

Ion Ratio Lower Upper

330 100

332 96.6 77.2 115.8

141 30.6 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 67.462 ng

RT: 13.169 min Scan# 1714

Delta R.T. -0.011 min

Lab File: BP019650.D

Acq: 10 Feb 2024 01:14

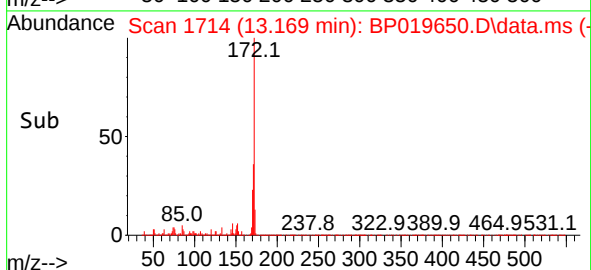
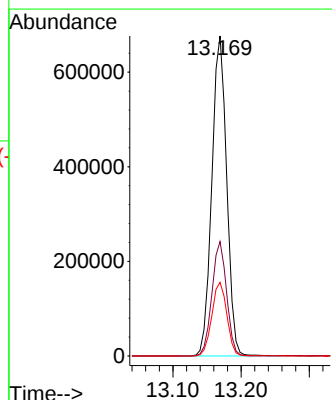
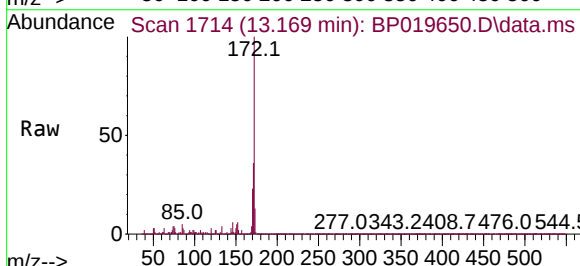
Tgt Ion:172 Resp: 1026460

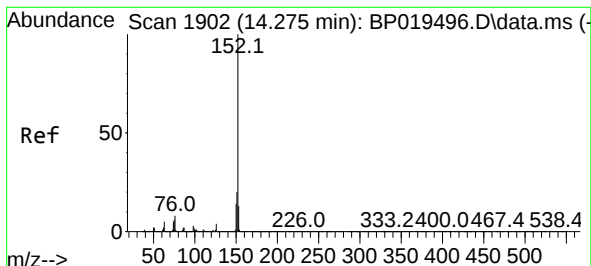
Ion Ratio Lower Upper

172 100

171 35.8 28.2 42.4

170 23.0 18.9 28.3





#49

Acenaphthylene

Concen: 9.132 ng

RT: 14.263 min Scan# 1900

Delta R.T. -0.011 min

Lab File: BP019650.D

Acq: 10 Feb 2024 01:14

Instrument :

BNA_P

ClientSampleId :

ETGI-347

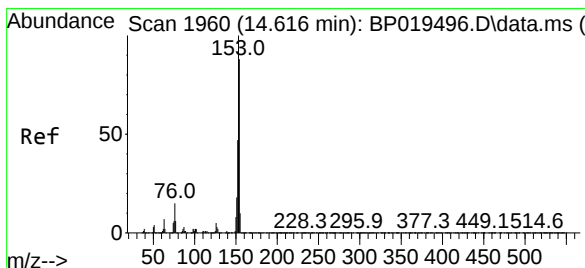
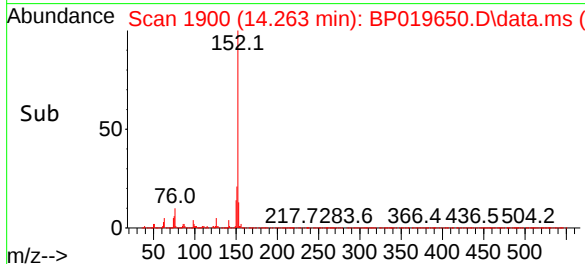
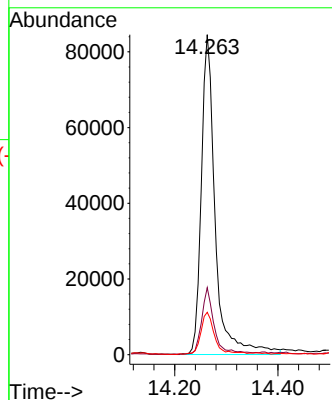
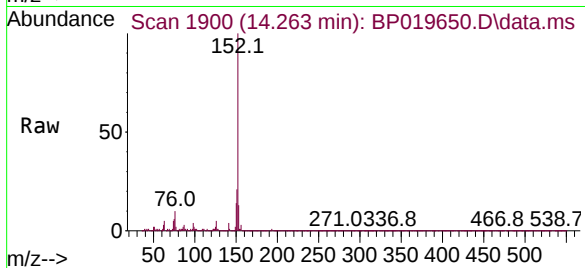
Tgt Ion:152 Resp: 157889

Ion Ratio Lower Upper

152 100

151 21.0 15.8 23.6

153 13.3 10.6 15.8



#52

Acenaphthene

Concen: 9.506 ng

RT: 14.604 min Scan# 1958

Delta R.T. -0.011 min

Lab File: BP019650.D

Acq: 10 Feb 2024 01:14

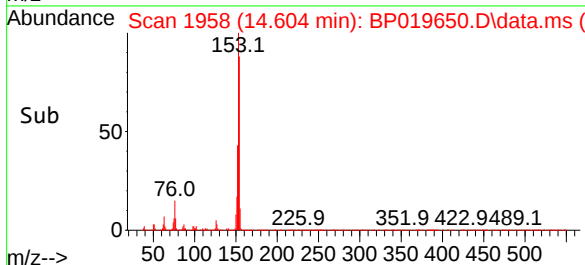
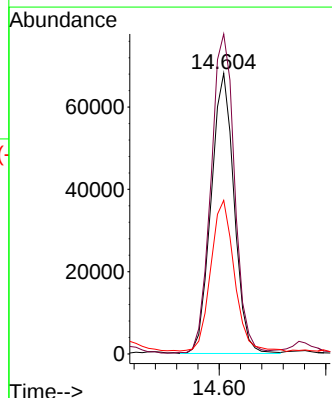
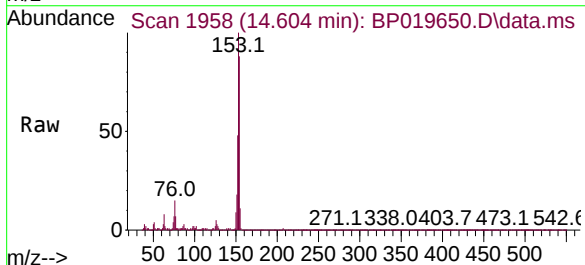
Tgt Ion:154 Resp: 102006

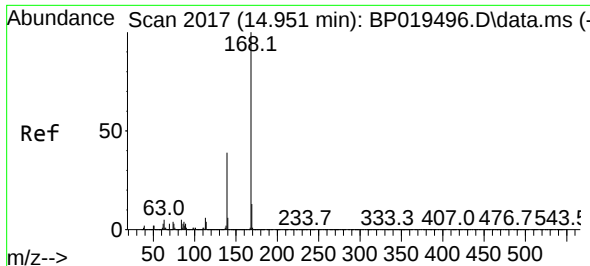
Ion Ratio Lower Upper

154 100

153 114.1 90.5 135.7

152 54.8 42.1 63.1

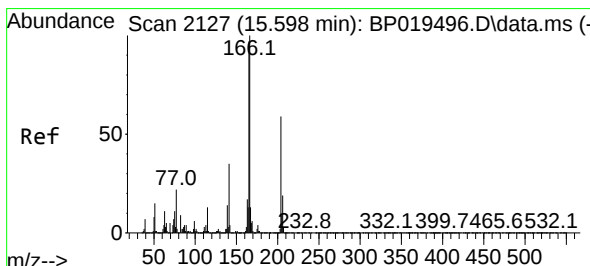
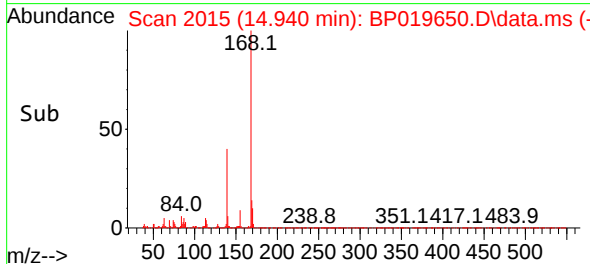
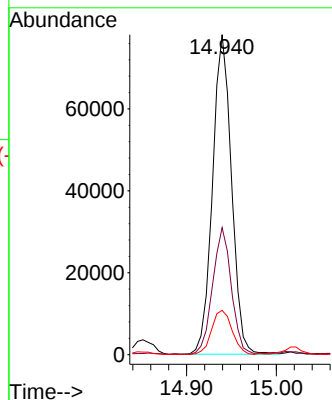
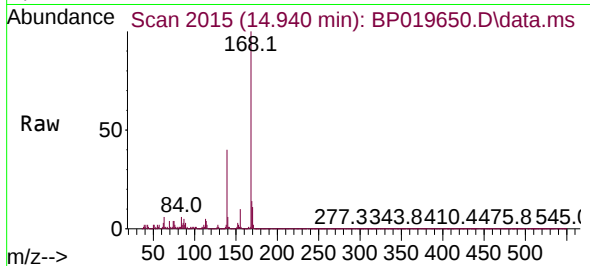




#55
Dibenzenofuran
Concen: 6.563 ng
RT: 14.940 min Scan# 2015
Delta R.T. -0.011 min
Lab File: BP019650.D
Acq: 10 Feb 2024 01:14

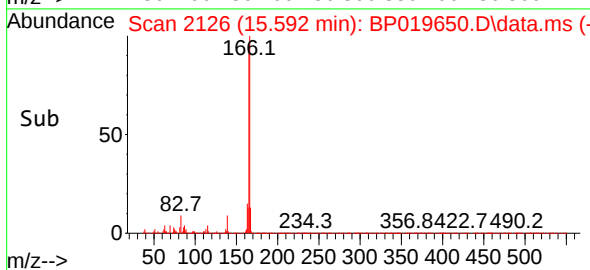
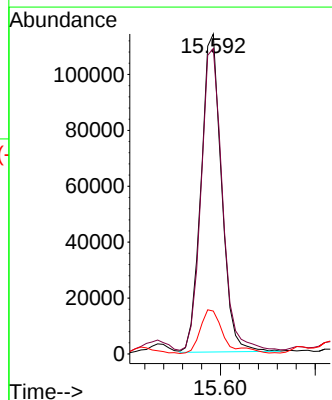
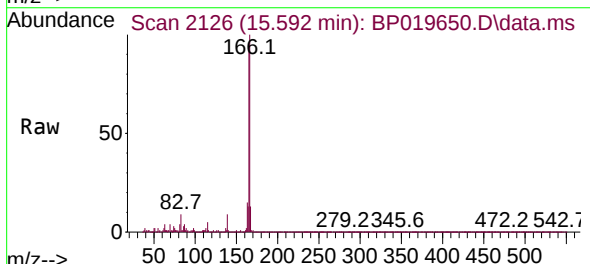
Instrument :
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ETGI-347

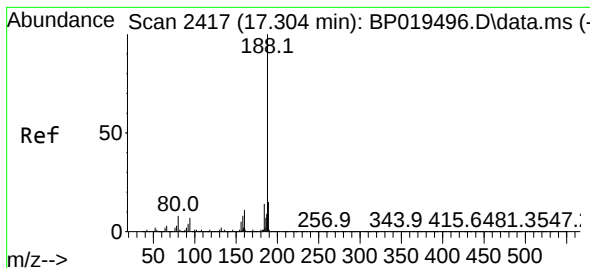
Tgt Ion:168 Resp: 114710
Ion Ratio Lower Upper
168 100
139 39.7 31.5 47.3
169 13.9 10.3 15.5



#58
Fluorene
Concen: 12.303 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP019650.D
Acq: 10 Feb 2024 01:14

Tgt Ion:166 Resp: 171267
Ion Ratio Lower Upper
166 100
165 95.4 77.8 116.8
167 13.4 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BP019650.D

Acq: 10 Feb 2024 01:14

Instrument :

BNA_P

ClientSampleId :

ETGI-347

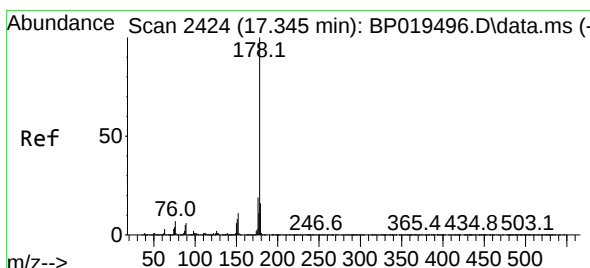
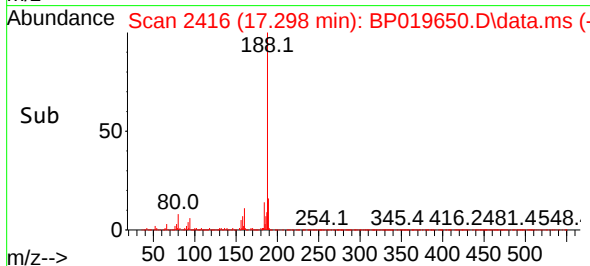
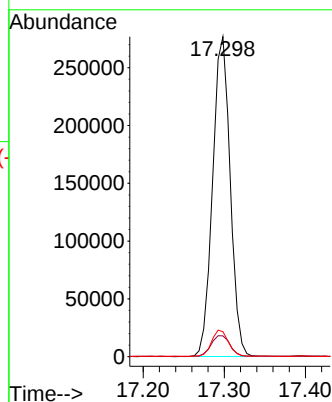
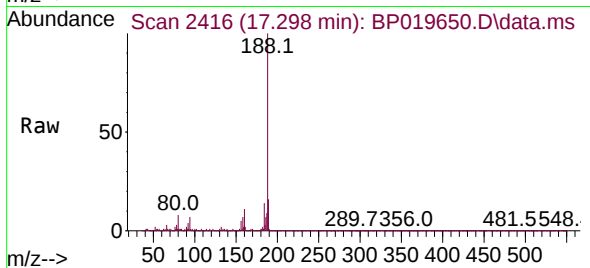
Tgt Ion:188 Resp: 415846

Ion Ratio Lower Upper

188 100

94 6.5 5.4 8.2

80 7.8 6.3 9.5



#71

Phenanthrene

Concen: 47.111 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP019650.D

Acq: 10 Feb 2024 01:14

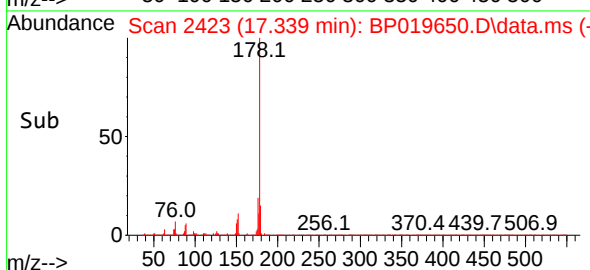
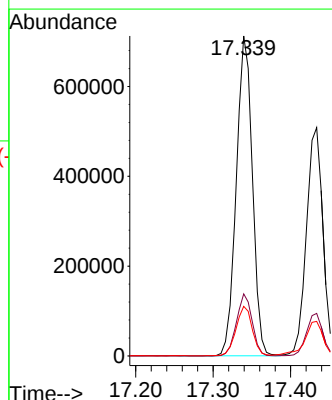
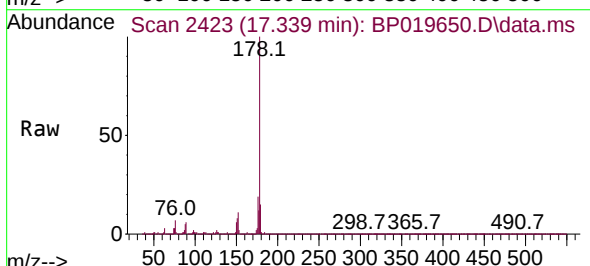
Tgt Ion:178 Resp: 1031013

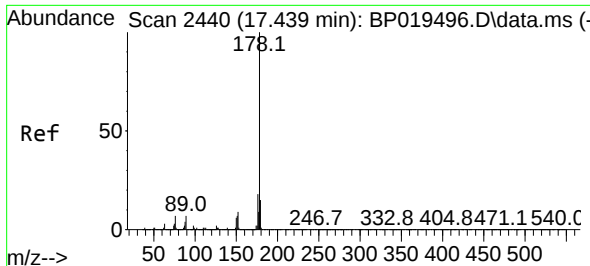
Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 15.5 12.6 19.0

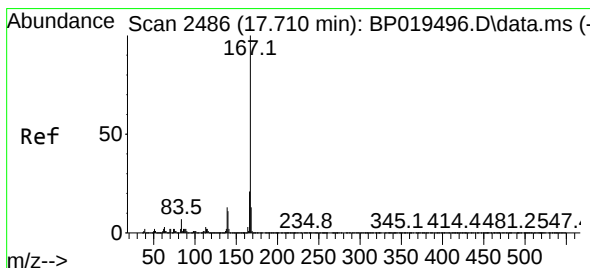
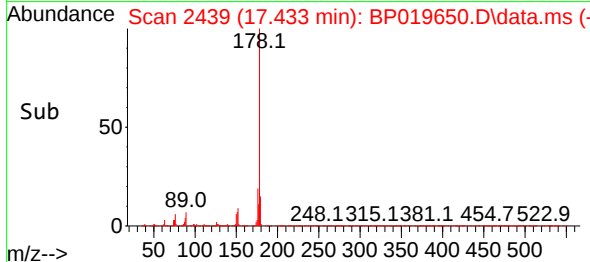
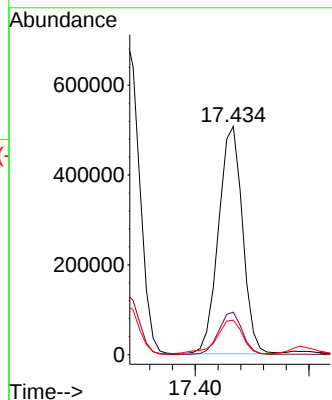
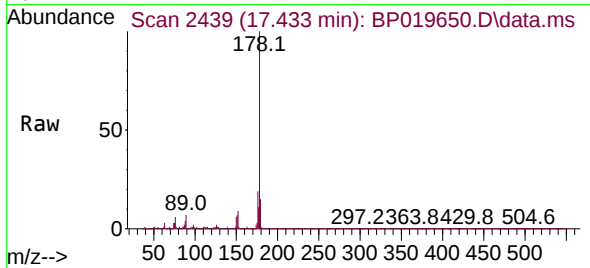




#72
 Anthracene
 Concen: 34.044 ng
 RT: 17.433 min Scan# 2440
 Delta R.T. -0.006 min
 Lab File: BP019650.D
 Acq: 10 Feb 2024 01:14

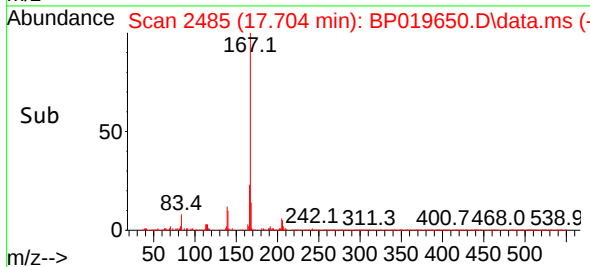
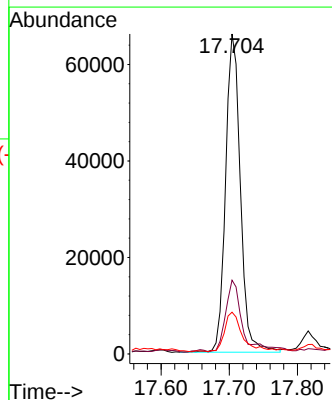
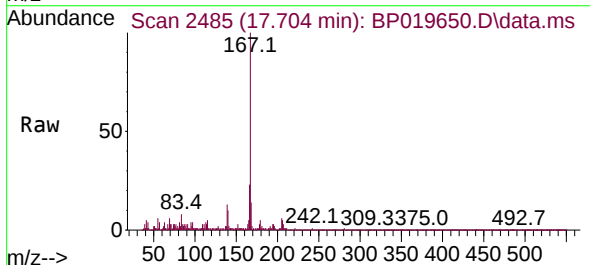
Instrument :
 BNA_P
 ClientSampleId :
 ETGI-347

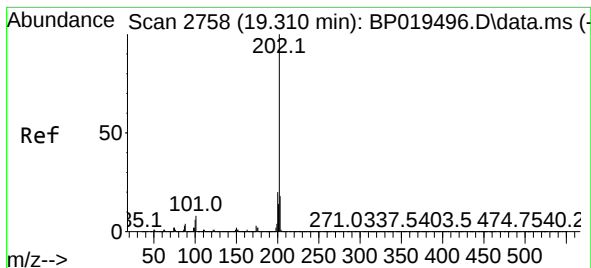
Tgt Ion:178 Resp: 743221
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.7 22.1
 179 15.2 12.2 18.2



#73
 Carbazole
 Concen: 5.014 ng
 RT: 17.704 min Scan# 2485
 Delta R.T. -0.006 min
 Lab File: BP019650.D
 Acq: 10 Feb 2024 01:14

Tgt Ion:167 Resp: 99433
 Ion Ratio Lower Upper
 167 100
 166 23.1 17.2 25.8
 139 13.0 10.6 15.8





#75

Fluoranthene

Concen: 97.363 ng

RT: 19.310 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019650.D

Acq: 10 Feb 2024 01:14

Instrument :

BNA_P

ClientSampleId :

ETGI-347

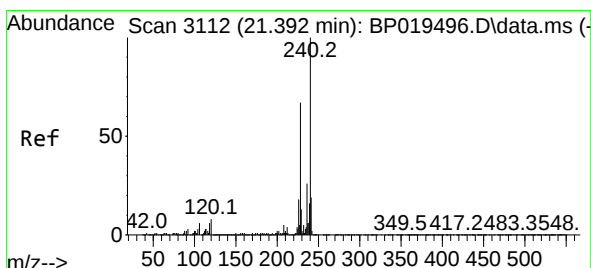
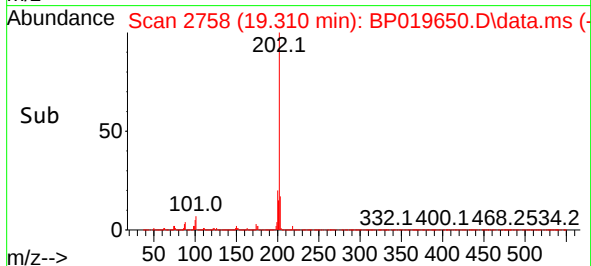
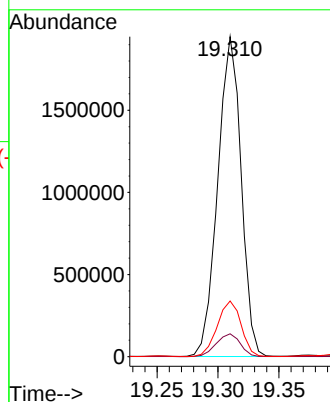
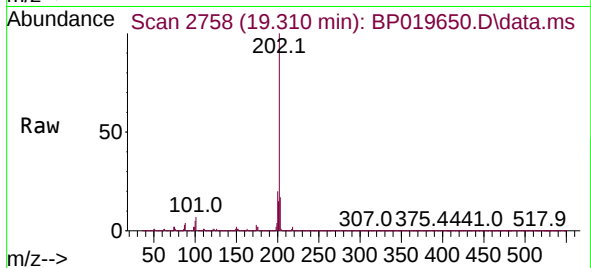
Tgt Ion:202 Resp: 2602929

Ion Ratio Lower Upper

202 100

101 7.1 0.0 27.7

203 17.4 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.392 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BP019650.D

Acq: 10 Feb 2024 01:14

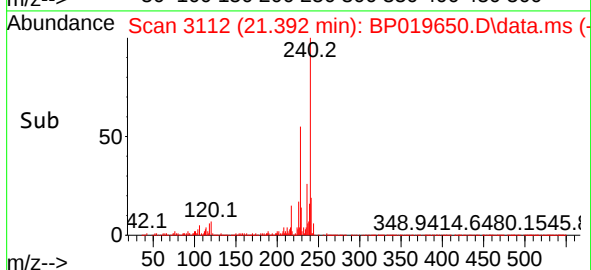
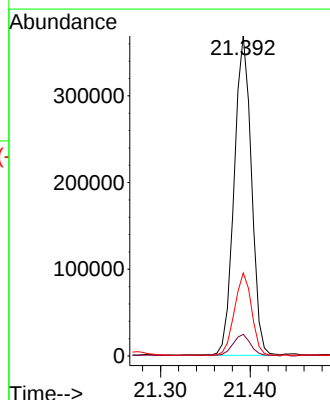
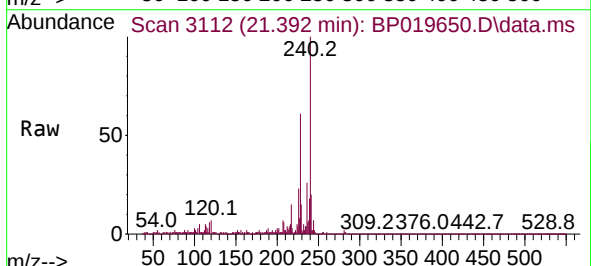
Tgt Ion:240 Resp: 492456

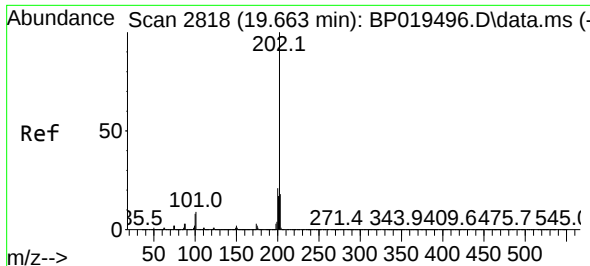
Ion Ratio Lower Upper

240 100

120 6.7 6.1 9.1

236 25.9 20.7 31.1

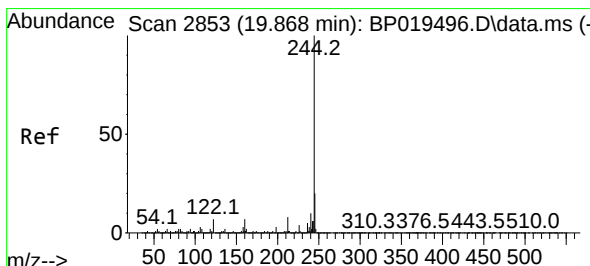
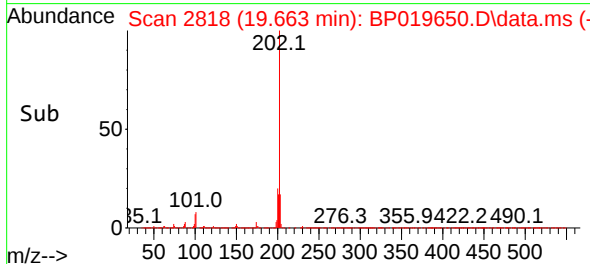
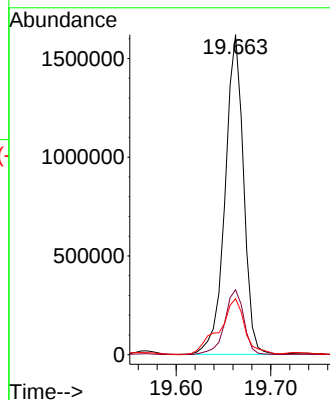
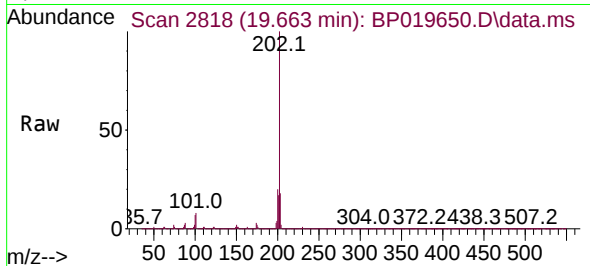




#78
Pyrene
Concen: 63.194 ng
RT: 19.663 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP019650.D
Acq: 10 Feb 2024 01:14

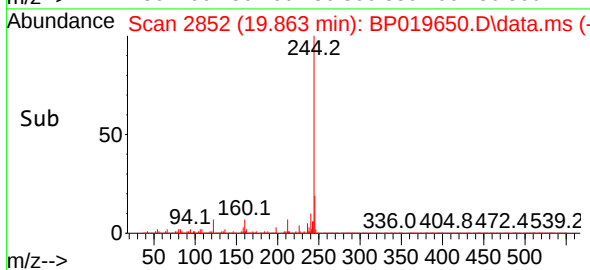
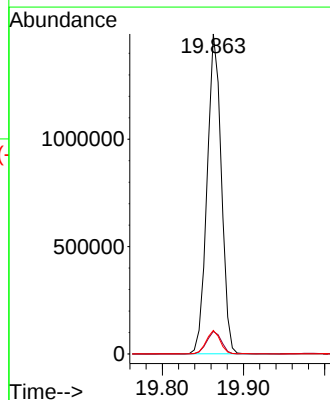
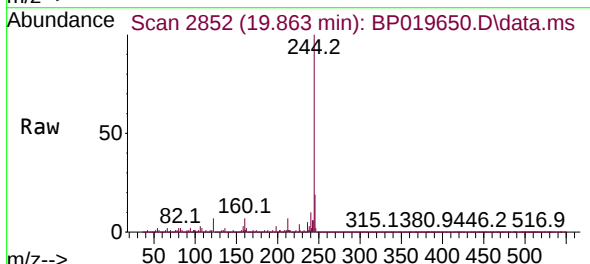
Instrument :
BNA_P
ClientSampleId :
ETGI-347

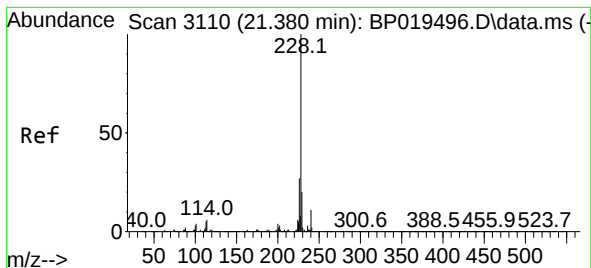
Tgt Ion:202 Resp: 2196341
Ion Ratio Lower Upper
202 100
200 20.3 16.9 25.3
203 17.5 14.2 21.2



#79
Terphenyl-d14
Concen: 60.332 ng
RT: 19.863 min Scan# 2852
Delta R.T. -0.006 min
Lab File: BP019650.D
Acq: 10 Feb 2024 01:14

Tgt Ion:244 Resp: 1806646
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 7.3 5.9 8.9





#81

Benzo(a)anthracene

Concen: 38.149 ng

RT: 21.374 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP019650.D

Acq: 10 Feb 2024 01:14

Instrument :

BNA_P

ClientSampleId :

ETGI-347

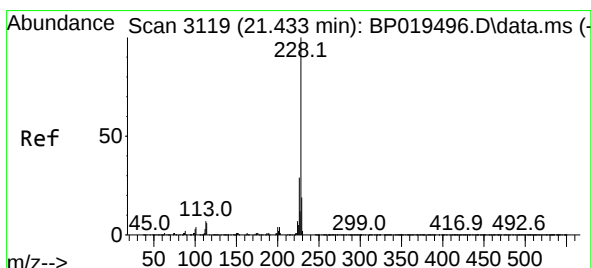
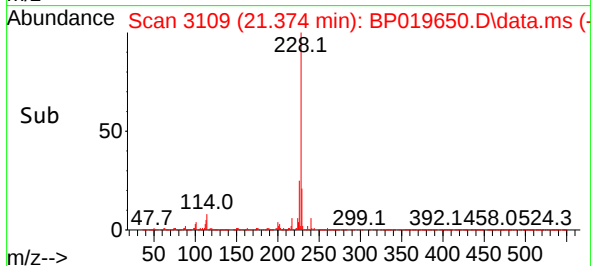
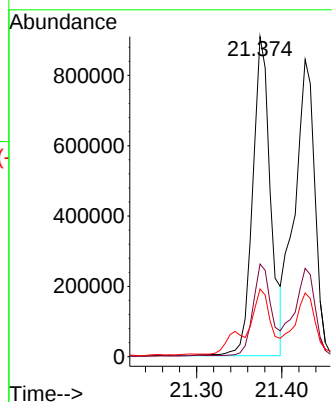
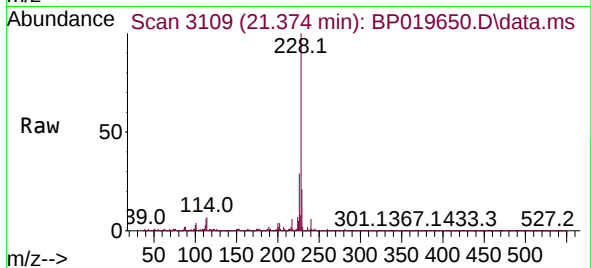
Tgt Ion:228 Resp: 1322431

Ion Ratio Lower Upper

228 100

226 28.9 21.7 32.5

229 21.1 15.6 23.4



#83

Chrysene

Concen: 42.290 ng

RT: 21.427 min Scan# 3118

Delta R.T. -0.006 min

Lab File: BP019650.D

Acq: 10 Feb 2024 01:14

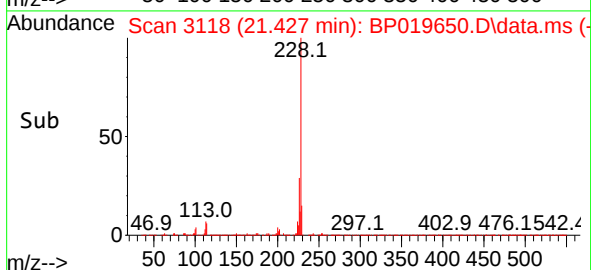
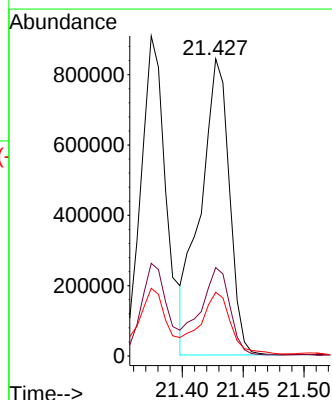
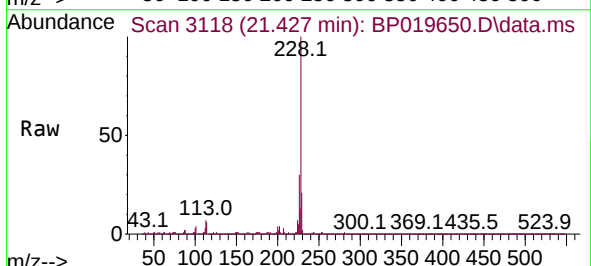
Tgt Ion:228 Resp: 1391842

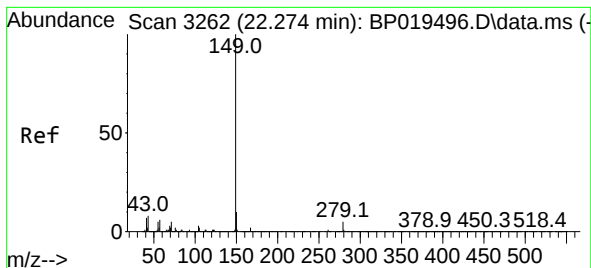
Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.2

229 21.4 15.6 23.4





#85

Di-n-octyl phthalate

Concen: 2.008 ng

RT: 22.316 min Scan# 31

Delta R.T. 0.041 min

Lab File: BP019650.D

Acq: 10 Feb 2024 01:14

Instrument :

BNA_P

ClientSampleId :

ETGI-347

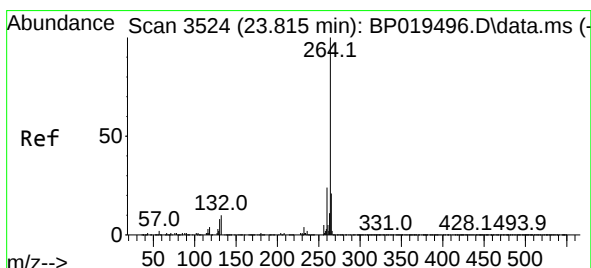
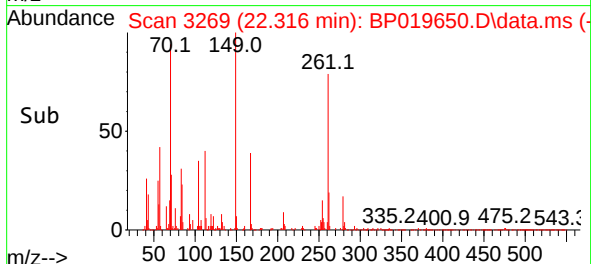
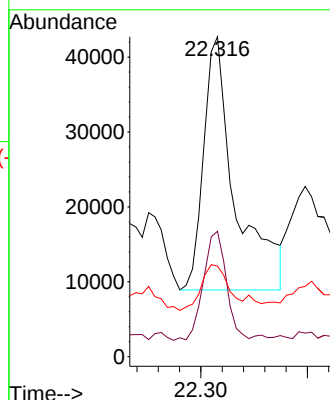
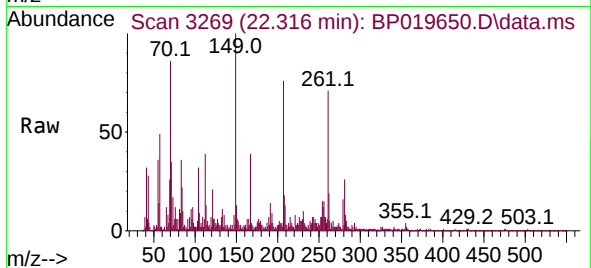
Tgt Ion:149 Resp: 69833

Ion Ratio Lower Upper

149 100

167 31.1 1.3 1.9#

43 15.4 6.3 9.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.810 min Scan# 3523

Delta R.T. -0.006 min

Lab File: BP019650.D

Acq: 10 Feb 2024 01:14

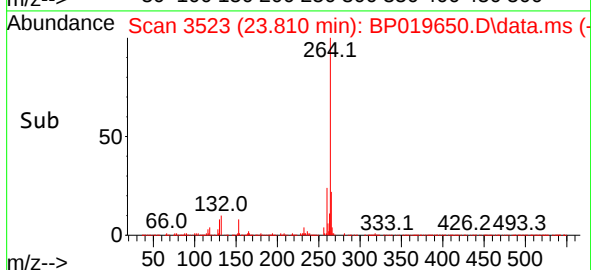
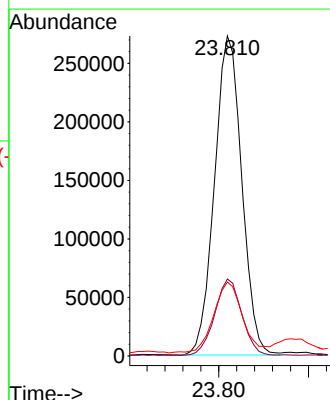
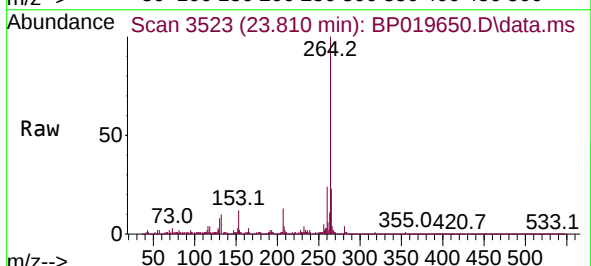
Tgt Ion:264 Resp: 574810

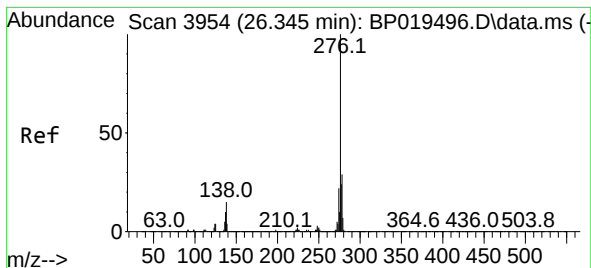
Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 23.1 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.004 ng

RT: 26.333 min Scan# 3952

Delta R.T. -0.011 min

Lab File: BP019650.D

Acq: 10 Feb 2024 01:14

Instrument :

BNA_P

ClientSampleId :

ETGI-347

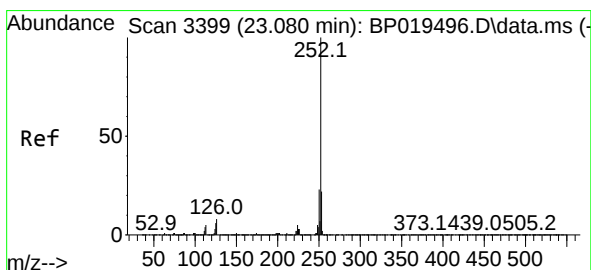
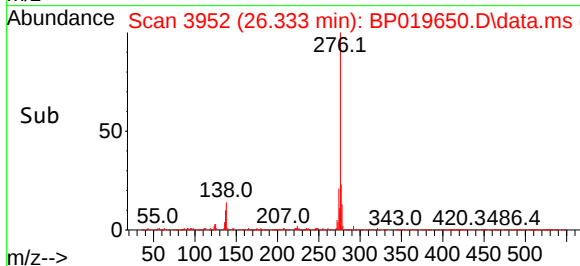
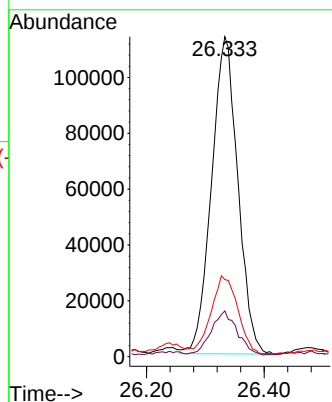
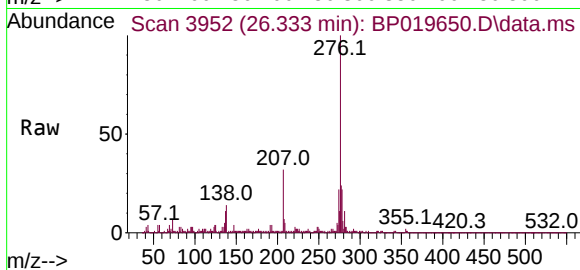
Tgt Ion:276 Resp: 352193

Ion Ratio Lower Upper

276 100

138 13.6 13.1 19.7

277 24.8 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 39.928 ng

RT: 23.080 min Scan# 3399

Delta R.T. 0.000 min

Lab File: BP019650.D

Acq: 10 Feb 2024 01:14

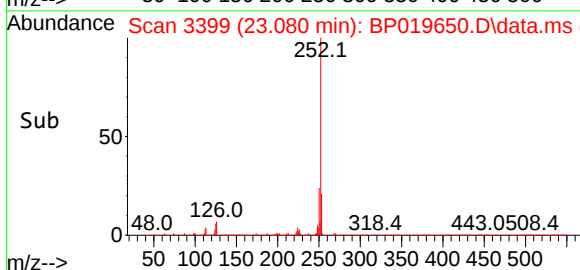
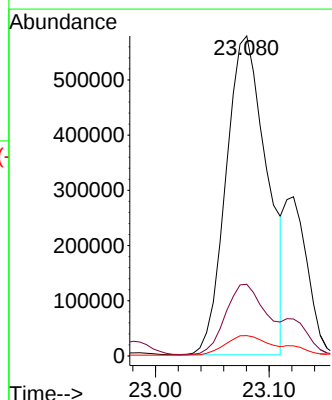
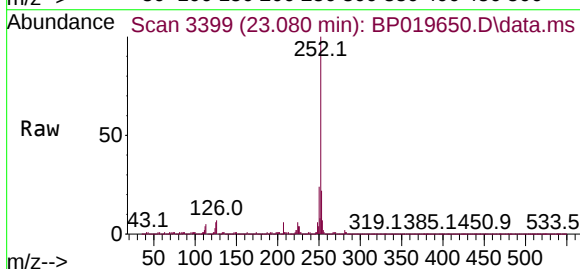
Tgt Ion:252 Resp: 1446496

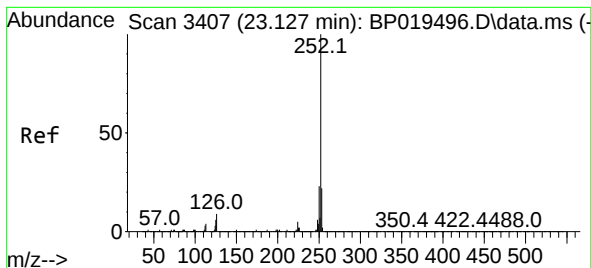
Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

125 6.4 4.9 7.3





#89

Benzo(k)fluoranthene

Concen: 41.799 ng

RT: 23.080 min Scan# 31

Delta R.T. -0.047 min

Lab File: BP019650.D

Acq: 10 Feb 2024 01:14

Instrument :

BNA_P

ClientSampleId :

ETGI-347

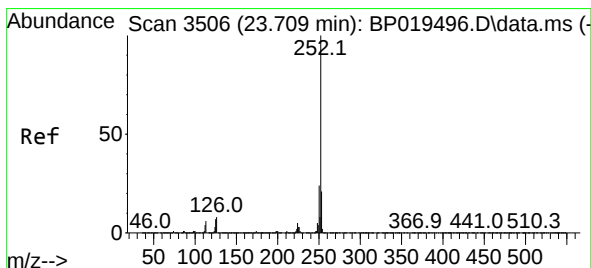
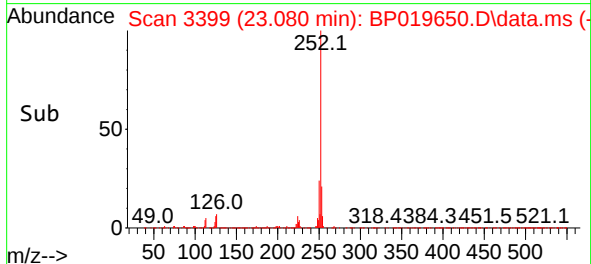
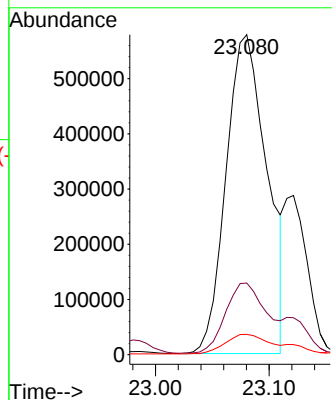
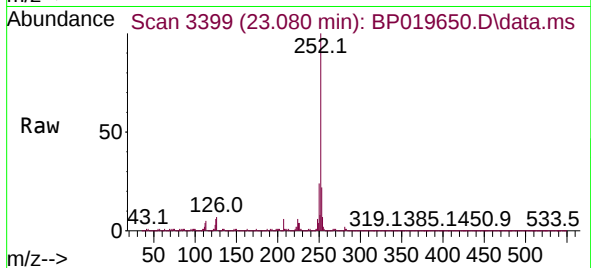
Tgt Ion:252 Resp: 1446496

Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

125 6.4 5.0 7.6



#90

Benzo(a)pyrene

Concen: 21.403 ng

RT: 23.704 min Scan# 3505

Delta R.T. -0.006 min

Lab File: BP019650.D

Acq: 10 Feb 2024 01:14

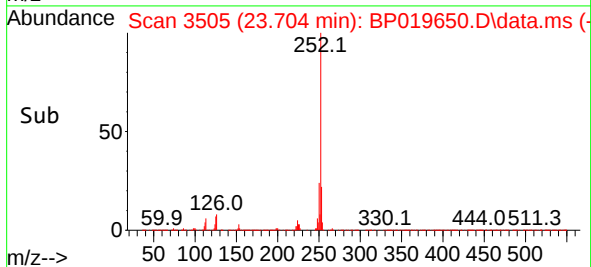
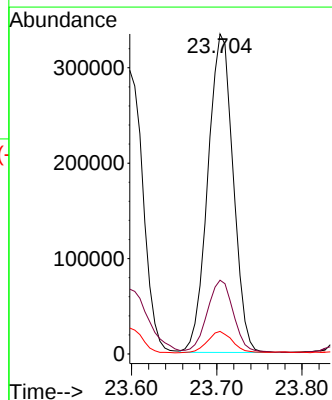
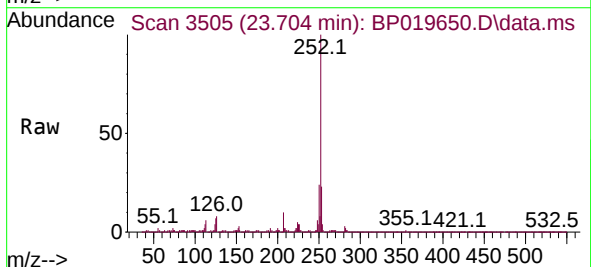
Tgt Ion:252 Resp: 689915

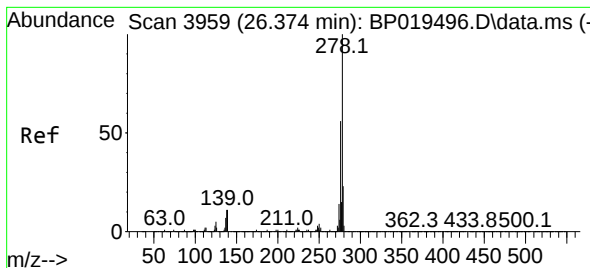
Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

125 7.0 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 3.014 ng

RT: 26.345 min Scan# 3954

Delta R.T. -0.029 min

Lab File: BP019650.D

Acq: 10 Feb 2024 01:14

Instrument :

BNA_P

ClientSampleId :

ETGI-347

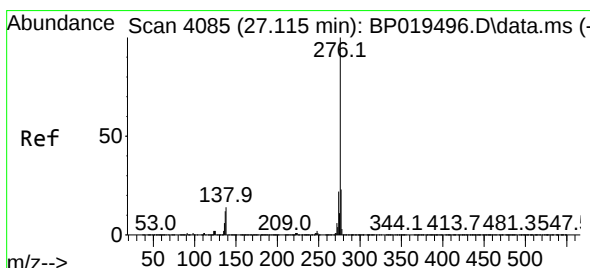
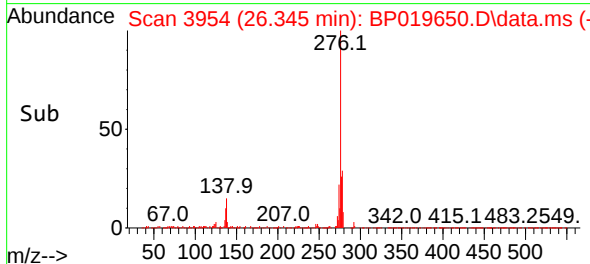
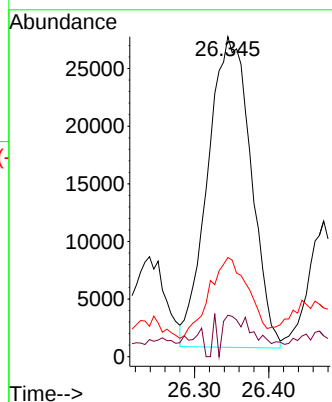
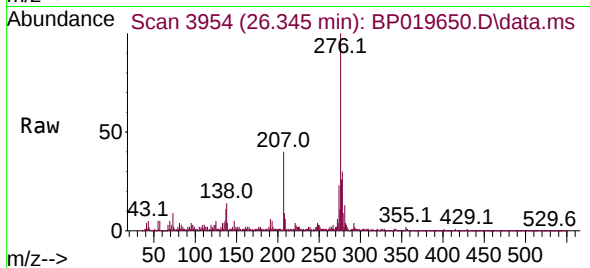
Tgt Ion:278 Resp: 109078

Ion Ratio Lower Upper

278 100

139 13.0 8.6 12.8#

279 31.0 18.5 27.7#



#92

Benzo(g,h,i)perylene

Concen: 8.204 ng

RT: 27.115 min Scan# 4085

Delta R.T. 0.000 min

Lab File: BP019650.D

Acq: 10 Feb 2024 01:14

Tgt Ion:276 Resp: 301184

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 12.5 10.9 16.3

