

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020924\
 Data File : BP019651.D
 Acq On : 10 Feb 2024 01:48
 Operator : MA/JU
 Sample : P1413-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ETGI-358

Quant Time: Feb 10 03:14:57 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)

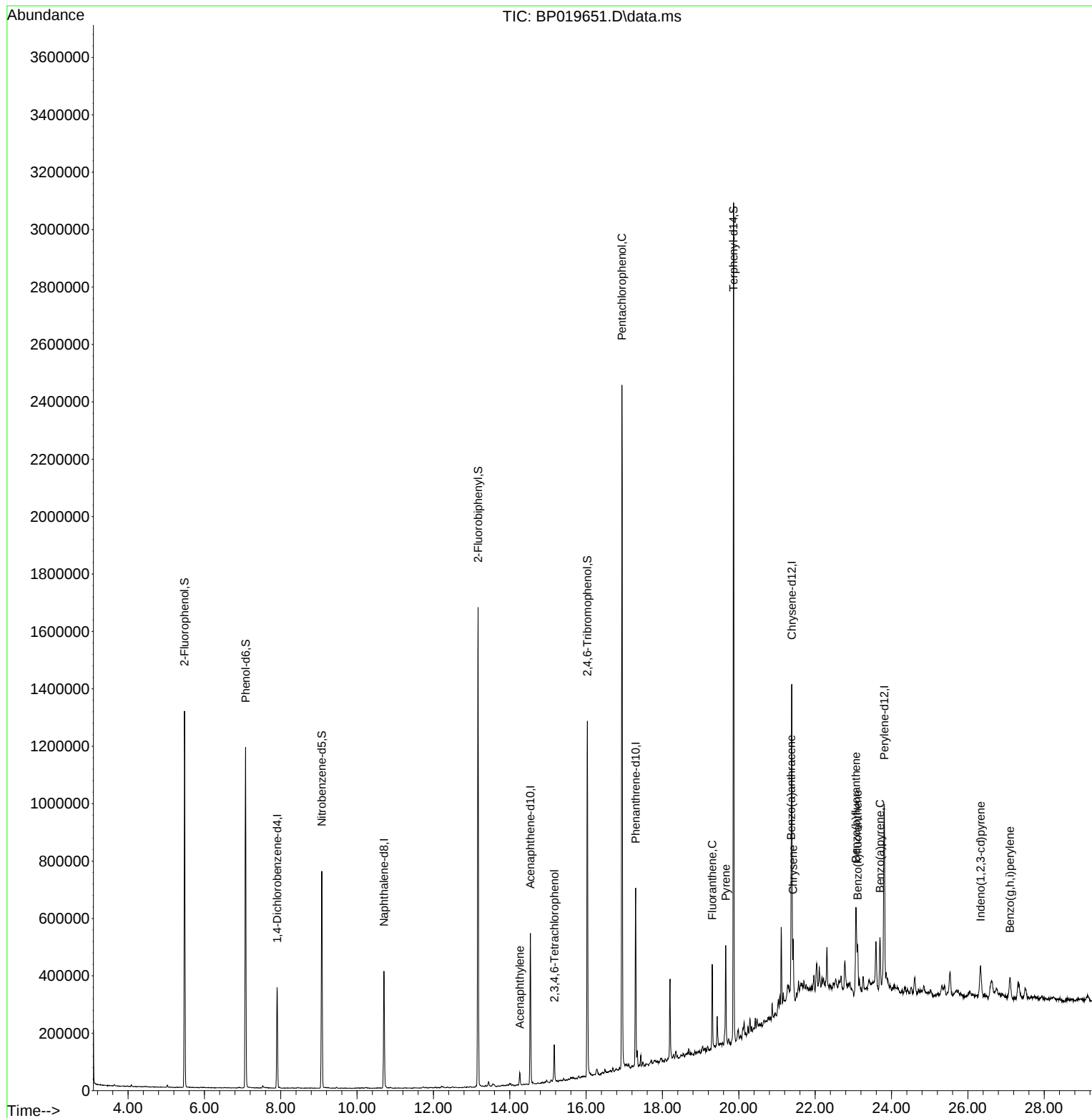
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	95225	20.000	ng	-0.01
21) Naphthalene-d8	10.704	136	328230	20.000	ng	-0.01
39) Acenaphthene-d10	14.539	164	182886	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	378150	20.000	ng	0.00
76) Chrysene-d12	21.386	240	464271	20.000	ng	0.00
86) Perylene-d12	23.810	264	559321	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	526890	89.189	ng	0.00
7) Phenol-d6	7.081	99	663878	83.344	ng	0.00
23) Nitrobenzene-d5	9.075	82	454814	60.042	ng	-0.01
42) 2,4,6-Tribromophenol	16.034	330	263324	98.613	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	888372	60.050	ng	-0.01
79) Terphenyl-d14	19.863	244	1390918	49.269	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.263	152	36671	2.181	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.169	232	29047	7.363	ng	# 99
70) Pentachlorophenol	16.939	266	453457	131.902	ng	99
75) Fluoranthene	19.304	202	168247	6.921	ng	99
78) Pyrene	19.657	202	214987	6.561	ng	99
81) Benzo(a)anthracene	21.369	228	167400	5.122	ng	95
83) Chrysene	21.421	228	149589m	4.821	ng	
87) Indeno(1,2,3-cd)pyrene	26.333	276	114418	2.672	ng	97
88) Benzo(b)fluoranthene	23.068	252	298539	8.469	ng	# 98
89) Benzo(k)fluoranthene	23.110	252	84778m	2.518	ng	
90) Benzo(a)pyrene	23.698	252	150476	4.797	ng	# 98
92) Benzo(g,h,i)perylene	27.104	276	104650	2.929	ng	98

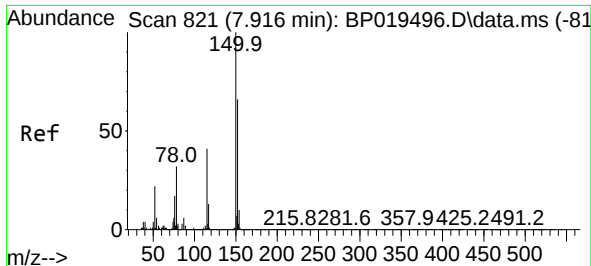
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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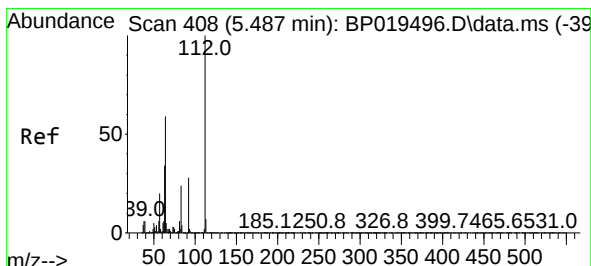
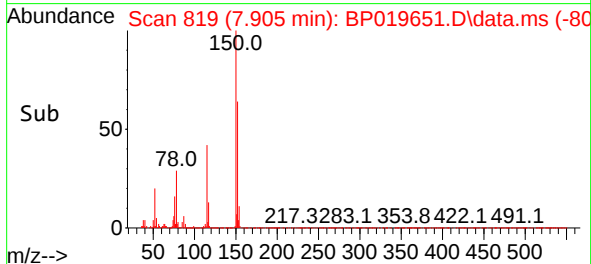
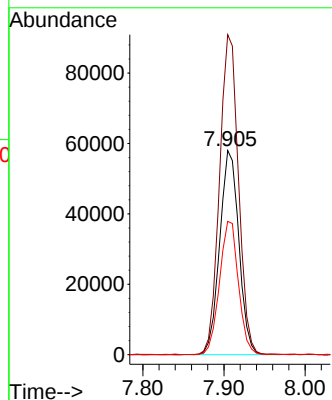
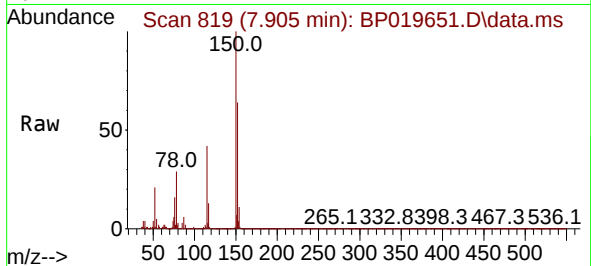




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP019651.D
Acq: 10 Feb 2024 01:48

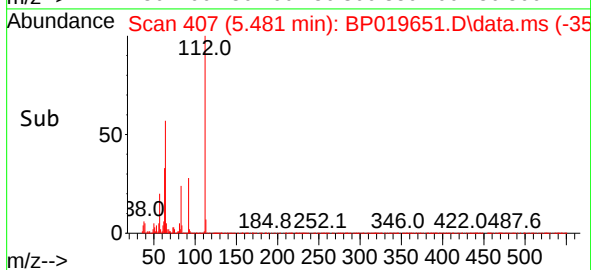
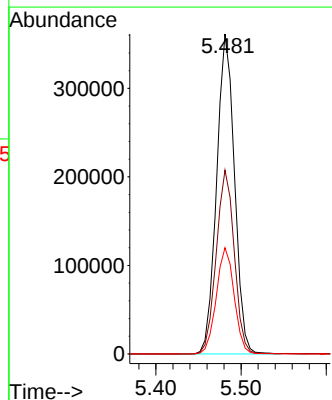
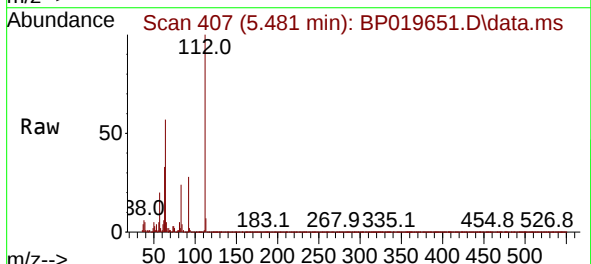
Instrument :
BNA_P
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ETGI-358

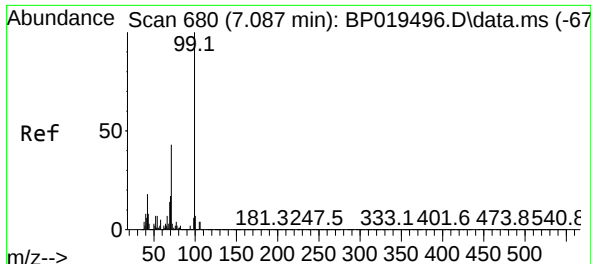
Tgt Ion:152 Resp: 95225
Ion Ratio Lower Upper
152 100
150 156.7 121.8 182.8
115 65.3 49.9 74.9



#5
2-Fluorophenol
Concen: 89.189 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.006 min
Lab File: BP019651.D
Acq: 10 Feb 2024 01:48

Tgt Ion:112 Resp: 526890
Ion Ratio Lower Upper
112 100
64 57.5 47.4 71.0
63 33.2 27.0 40.6

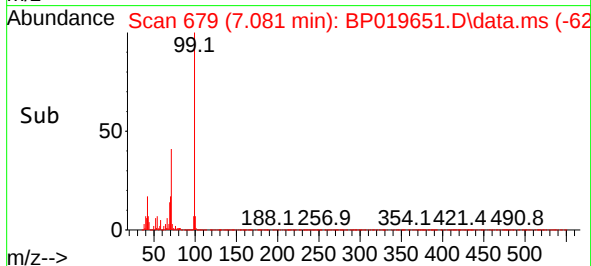
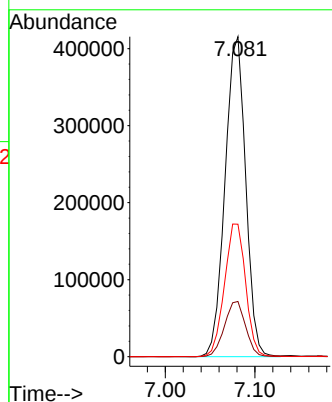
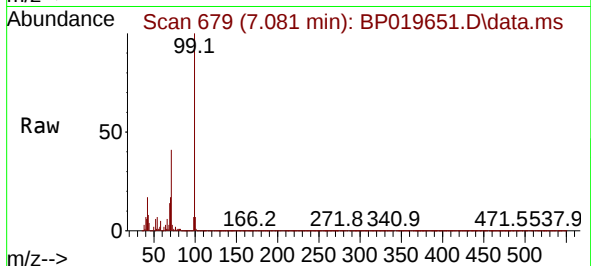




#7
Phenol-d6
Concen: 83.344 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019651.D
Acq: 10 Feb 2024 01:48

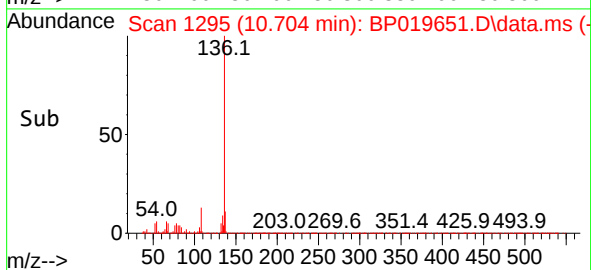
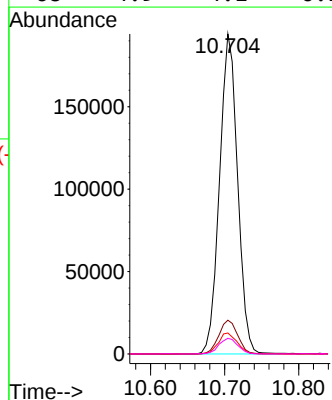
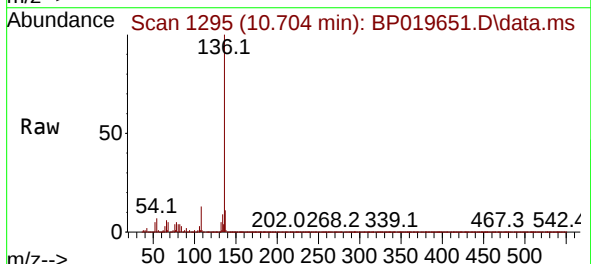
Instrument :
BNA_P
ClientSampleId :
ETGI-358

Tgt Ion: 99 Resp: 663878
Ion Ratio Lower Upper
99 100
42 17.2 14.7 22.1
71 41.4 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BP019651.D
Acq: 10 Feb 2024 01:48

Tgt Ion: 136 Resp: 328230
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 6.5 5.3 7.9
68 4.9 4.1 6.1

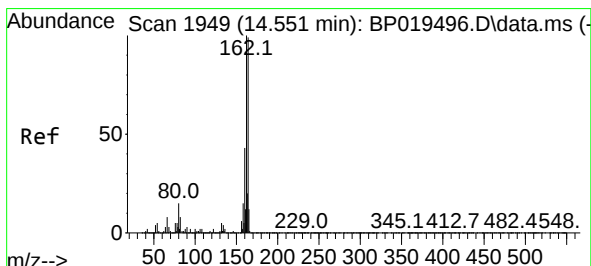
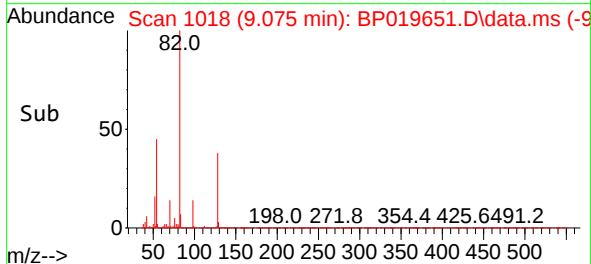
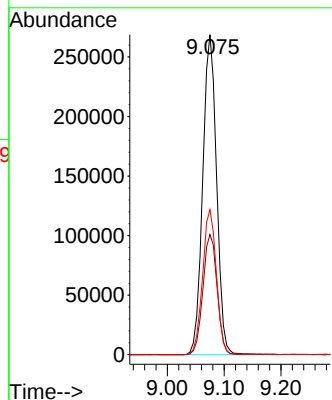
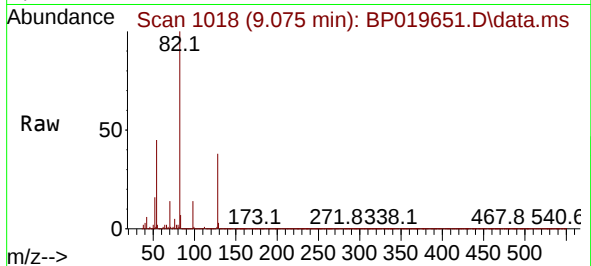




#23
Nitrobenzene-d5
Concen: 60.042 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP019651.D
Acq: 10 Feb 2024 01:48

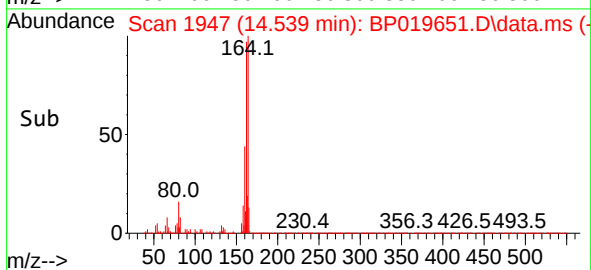
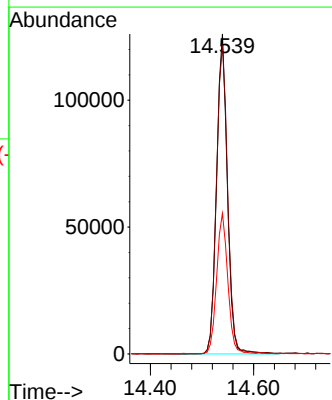
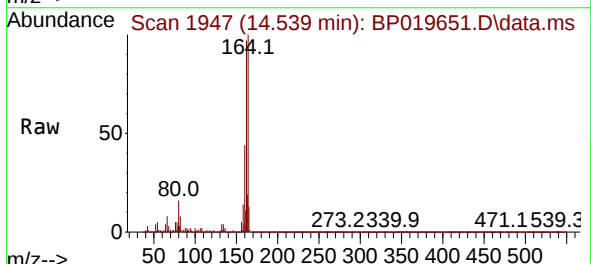
Instrument :
BNA_P
ClientSampleId :
ETGI-358

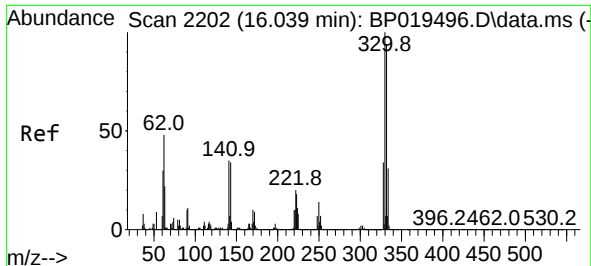
Tgt Ion: 82 Resp: 454814
Ion Ratio Lower Upper
82 100
128 37.6 29.7 44.5
54 45.3 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BP019651.D
Acq: 10 Feb 2024 01:48

Tgt Ion: 164 Resp: 182886
Ion Ratio Lower Upper
164 100
162 96.5 81.2 121.8
160 44.0 35.1 52.7

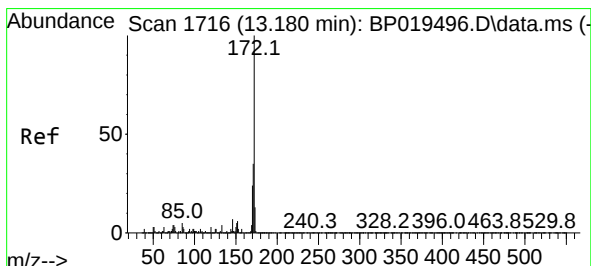
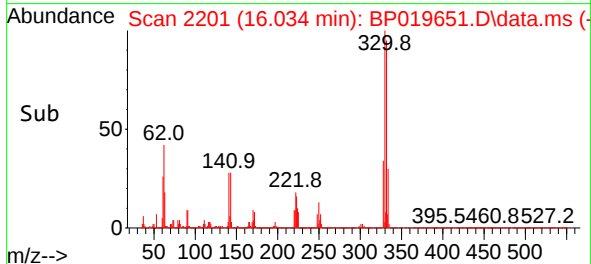
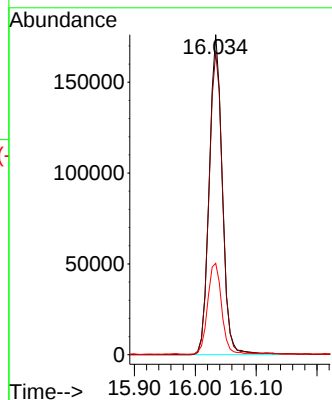
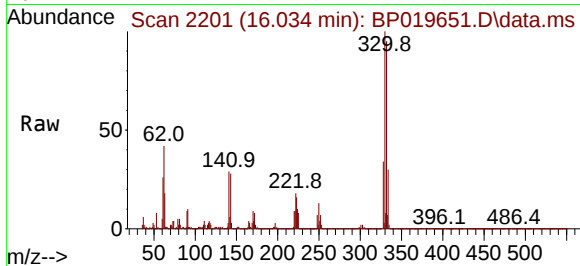




#42
2,4,6-Tribromophenol
Concen: 98.613 ng
RT: 16.034 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019651.D
Acq: 10 Feb 2024 01:48

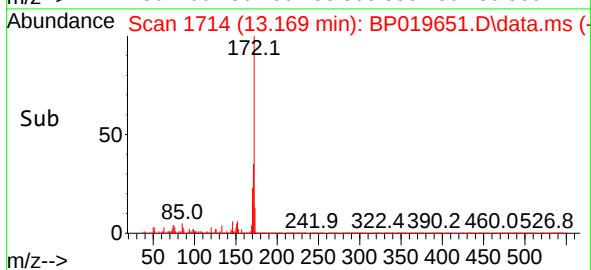
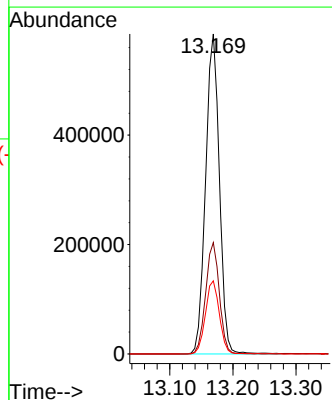
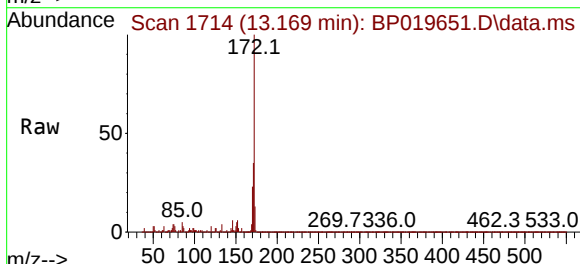
Instrument :
BNA_P
ClientSampleId :
ETGI-358

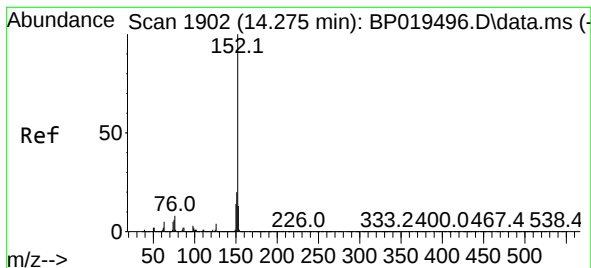
Tgt Ion:330 Resp: 263324
Ion Ratio Lower Upper
330 100
332 97.3 77.2 115.8
141 30.2 27.0 40.4



#45
2-Fluorobiphenyl
Concen: 60.050 ng
RT: 13.169 min Scan# 1714
Delta R.T. -0.012 min
Lab File: BP019651.D
Acq: 10 Feb 2024 01:48

Tgt Ion:172 Resp: 888372
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.4
170 22.9 18.9 28.3





#49

Acenaphthylene

Concen: 2.181 ng

RT: 14.263 min Scan# 1902

Delta R.T. -0.012 min

Lab File: BP019651.D

Acq: 10 Feb 2024 01:48

Instrument :

BNA_P

ClientSampleId :

ETGI-358

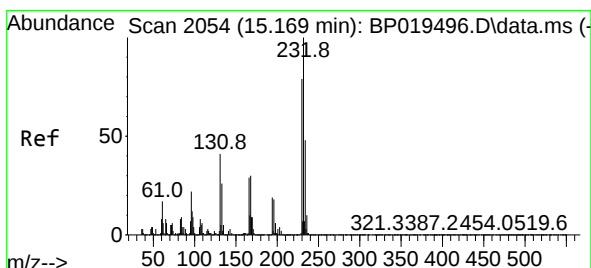
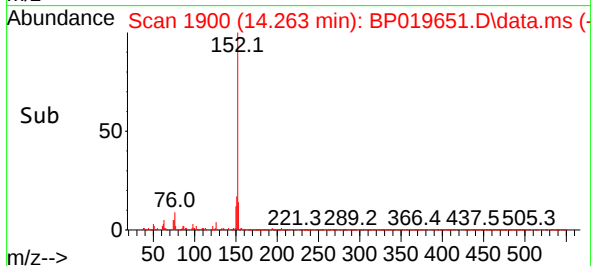
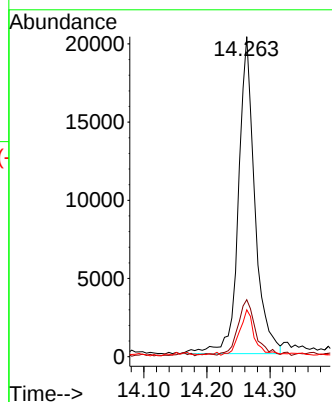
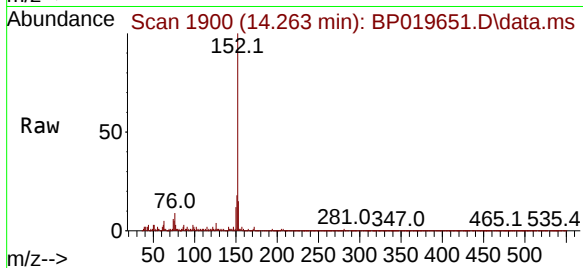
Tgt Ion:152 Resp: 36671

Ion Ratio Lower Upper

152 100

151 17.8 15.8 23.6

153 14.6 10.6 15.8



#59

2,3,4,6-Tetrachlorophenol

Concen: 7.363 ng

RT: 15.169 min Scan# 2054

Delta R.T. 0.000 min

Lab File: BP019651.D

Acq: 10 Feb 2024 01:48

Tgt Ion:232 Resp: 29047

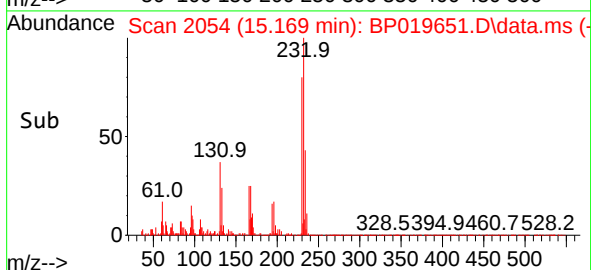
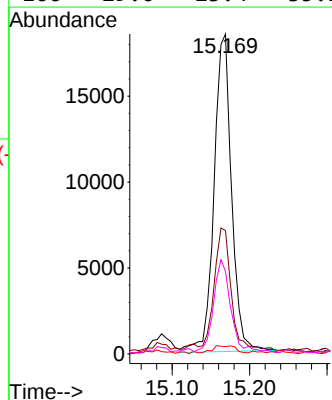
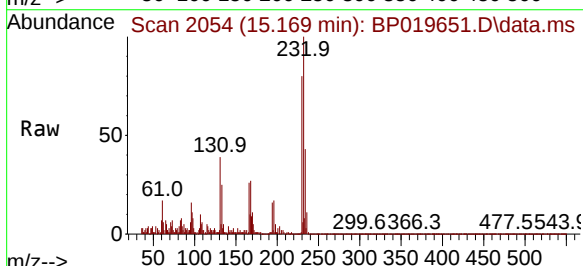
Ion Ratio Lower Upper

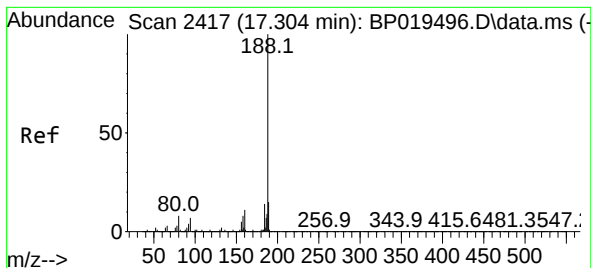
232 100

131 40.3 32.4 48.6

130 3.6 1.9 2.9#

166 29.0 23.4 35.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 2417

Delta R.T. -0.006 min

Lab File: BP019651.D

Acq: 10 Feb 2024 01:48

Instrument :

BNA_P

ClientSampleId :

ETGI-358

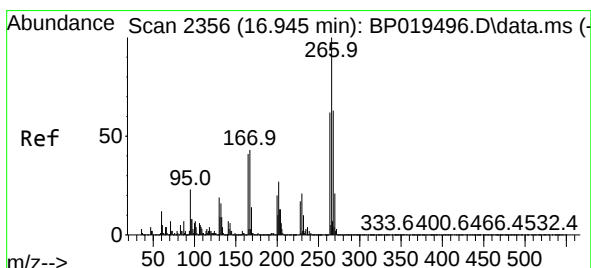
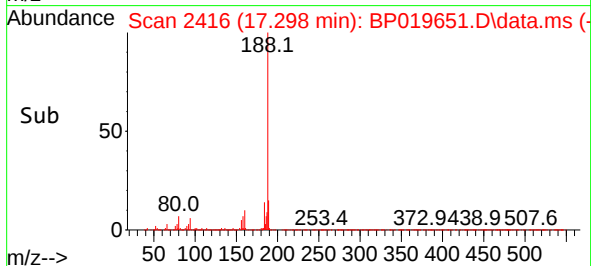
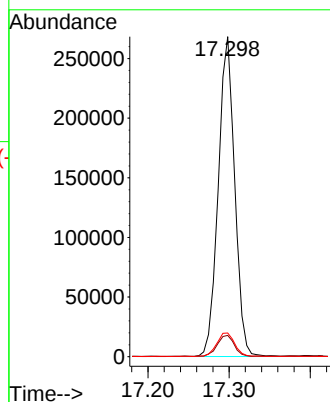
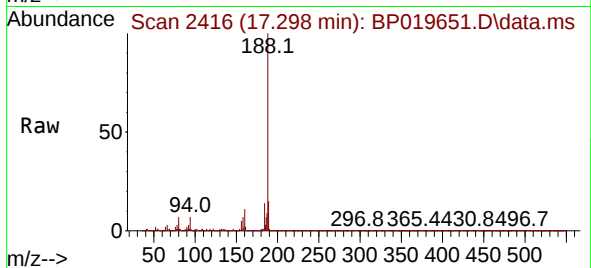
Tgt Ion:188 Resp: 378150

Ion Ratio Lower Upper

188 100

94 6.7 5.4 8.2

80 7.4 6.3 9.5



#70

Pentachlorophenol

Concen: 131.902 ng

RT: 16.939 min Scan# 2355

Delta R.T. -0.006 min

Lab File: BP019651.D

Acq: 10 Feb 2024 01:48

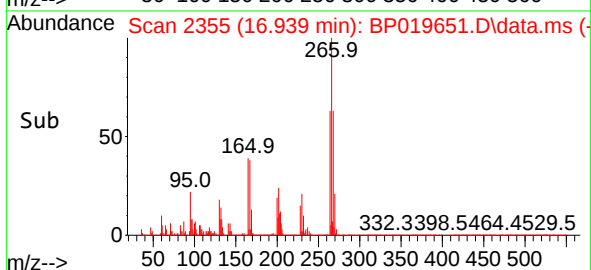
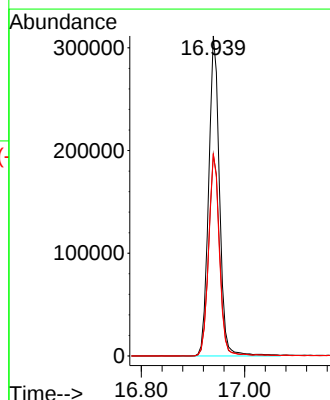
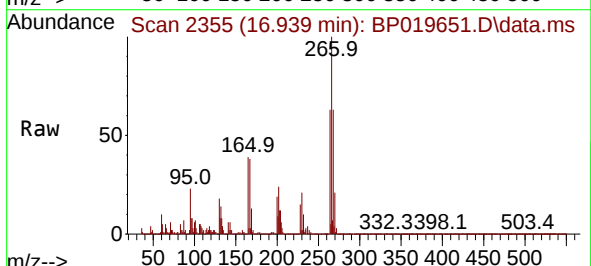
Tgt Ion:266 Resp: 453457

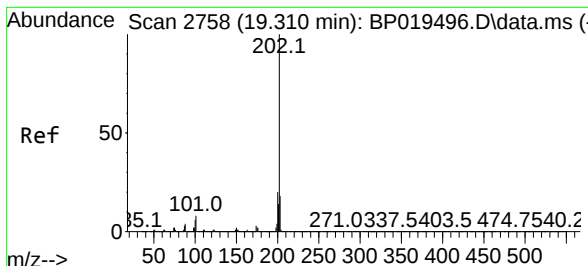
Ion Ratio Lower Upper

266 100

268 62.9 50.3 75.5

264 63.3 49.7 74.5





#75

Fluoranthene

Concen: 6.921 ng

RT: 19.304 min Scan# 21

Delta R.T. -0.006 min

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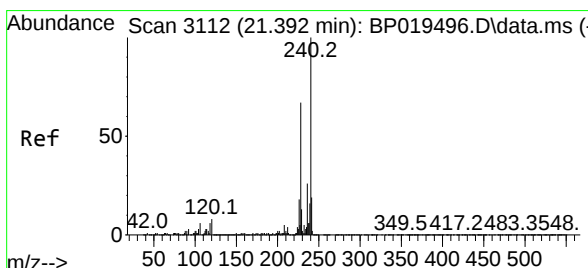
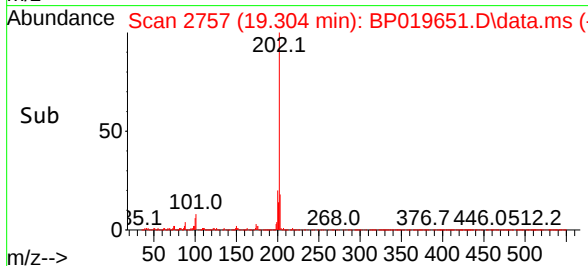
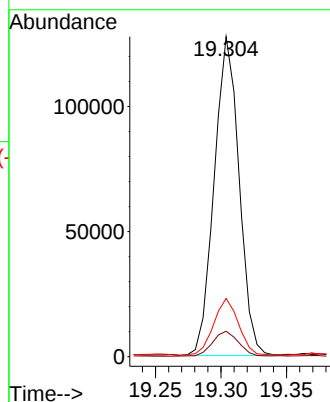
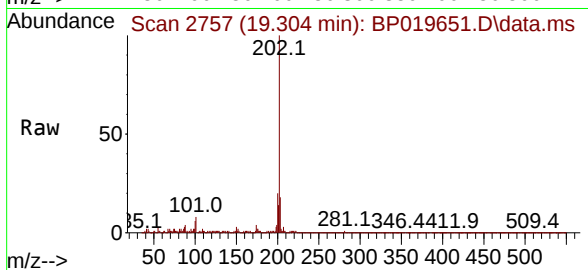
Tgt Ion:202 Resp: 168247

Ion Ratio Lower Upper

202 100

101 8.0 0.0 27.7

203 18.2 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 3111

Delta R.T. -0.006 min

Lab File: BP019651.D

Acq: 10 Feb 2024 01:48

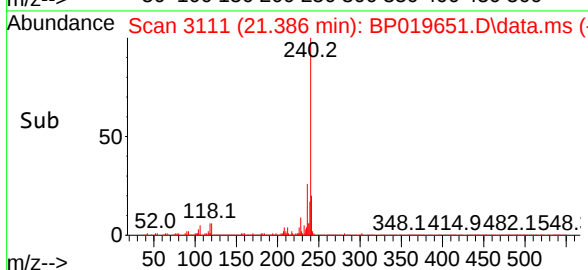
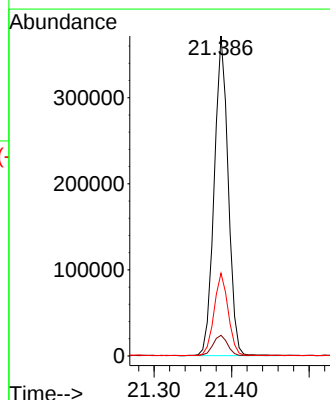
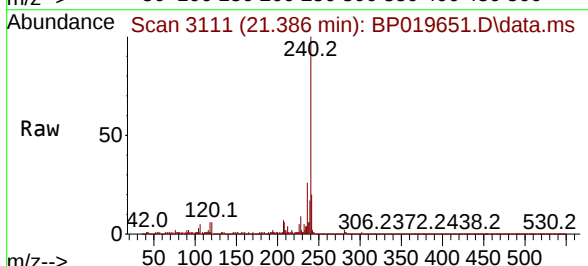
Tgt Ion:240 Resp: 464271

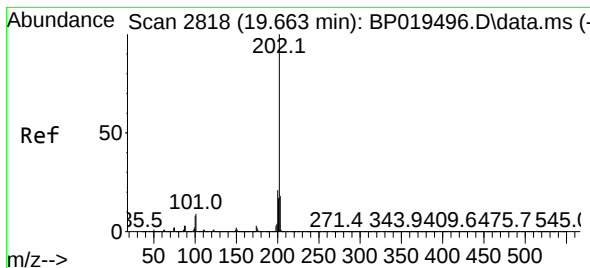
Ion Ratio Lower Upper

240 100

120 6.4 6.1 9.1

236 25.8 20.7 31.1





#78

Pyrene

Concen: 6.561 ng

RT: 19.657 min Scan# 214987

Delta R.T. -0.006 min

Lab File: BP019651.D

Acq: 10 Feb 2024 01:48

Instrument :

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ETGI-358

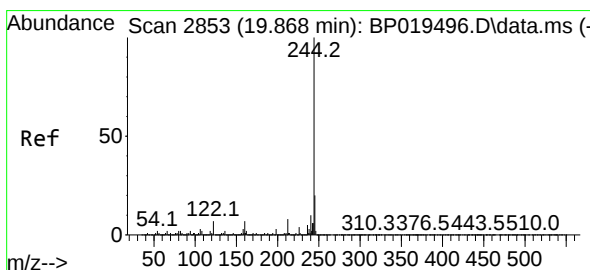
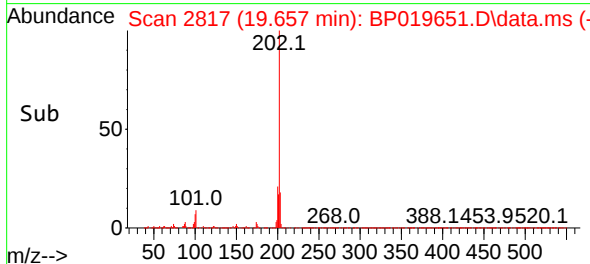
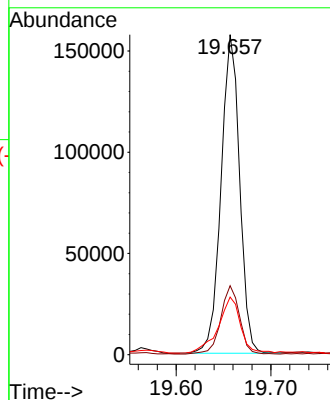
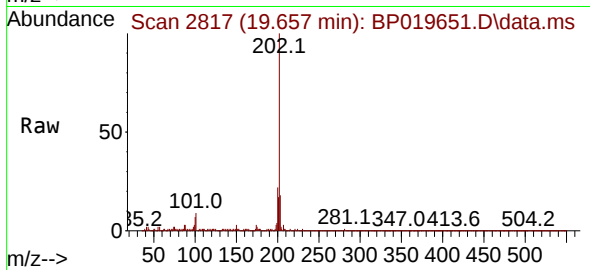
Tgt Ion:202 Resp: 214987

Ion Ratio Lower Upper

202 100

200 21.6 16.9 25.3

203 18.0 14.2 21.2



#79

Terphenyl-d14

Concen: 49.269 ng

RT: 19.863 min Scan# 2852

Delta R.T. -0.006 min

Lab File: BP019651.D

Acq: 10 Feb 2024 01:48

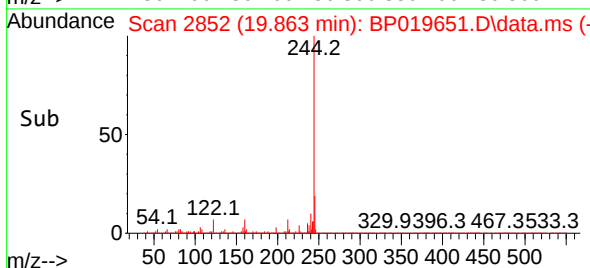
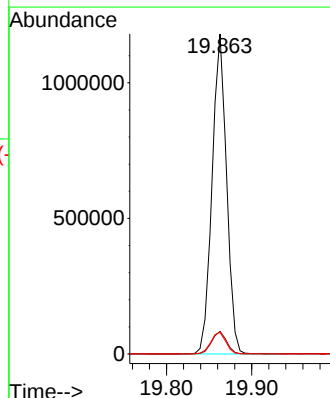
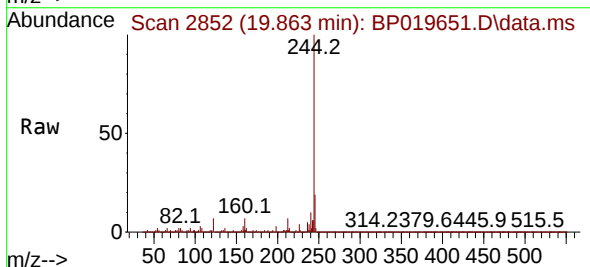
Tgt Ion:244 Resp: 1390918

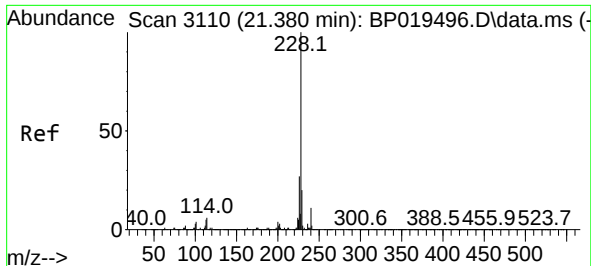
Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 6.8 5.9 8.9

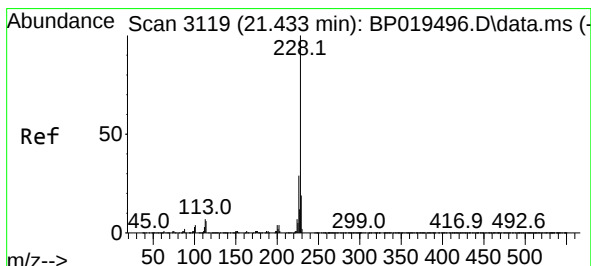
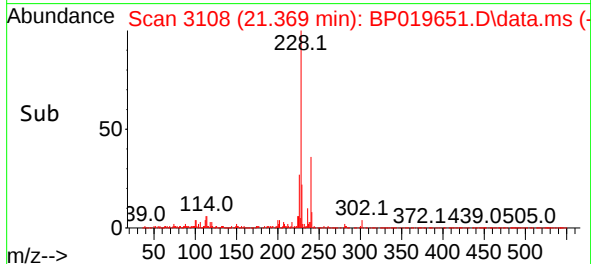
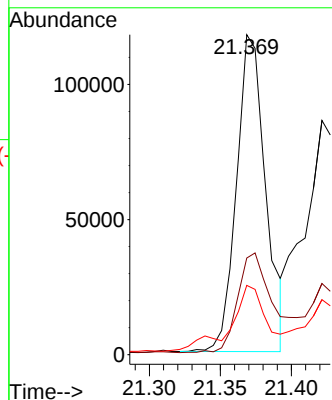
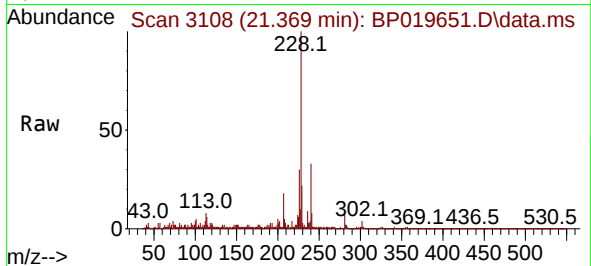




#81
Benzo(a)anthracene
Concen: 5.122 ng
RT: 21.369 min Scan# 3110
Delta R.T. -0.012 min
Lab File: BP019651.D
Acq: 10 Feb 2024 01:48

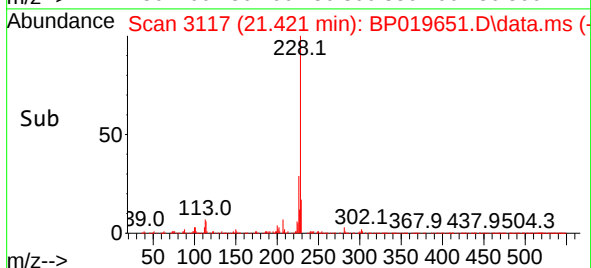
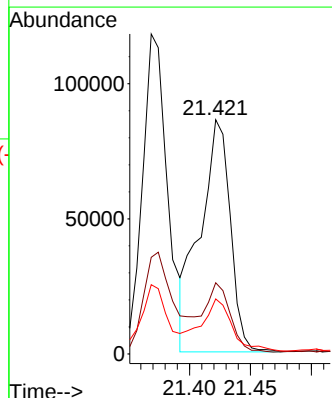
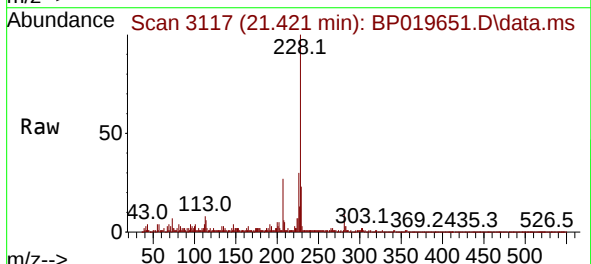
Instrument :
BNA_P
ClientSampleId :
ETGI-358

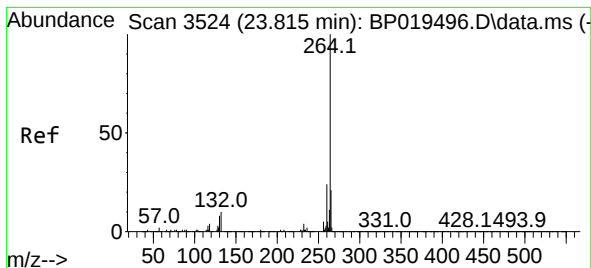
Tgt Ion:228 Resp: 167400
Ion Ratio Lower Upper
228 100
226 30.2 21.7 32.5
229 21.7 15.6 23.4



#83
Chrysene
Concen: 4.821 ng m
RT: 21.421 min Scan# 3117
Delta R.T. -0.012 min
Lab File: BP019651.D
Acq: 10 Feb 2024 01:48

Tgt Ion:228 Resp: 149589
Ion Ratio Lower Upper
228 100
226 30.4 23.4 35.2
229 23.5 15.6 23.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.810 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP019651.D

Acq: 10 Feb 2024 01:48

Instrument :

BNA_P

ClientSampleId :

ETGI-358

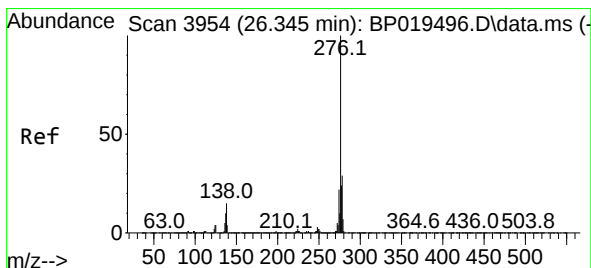
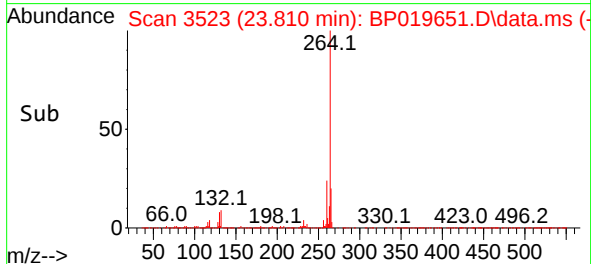
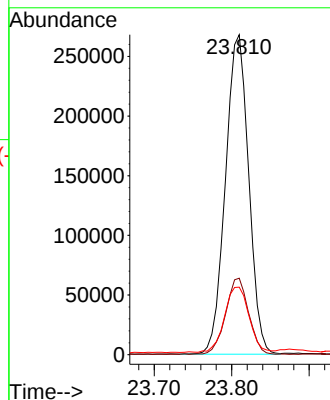
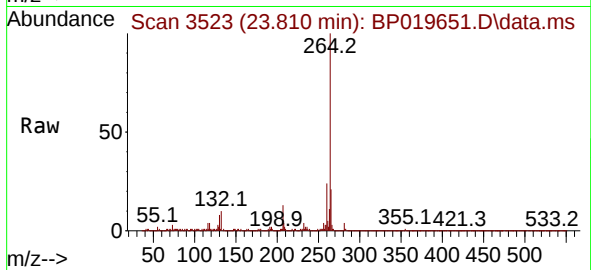
Tgt Ion:264 Resp: 559321

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.1 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.672 ng

RT: 26.333 min Scan# 3952

Delta R.T. -0.012 min

Lab File: BP019651.D

Acq: 10 Feb 2024 01:48

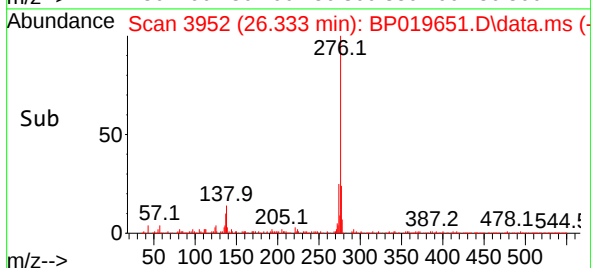
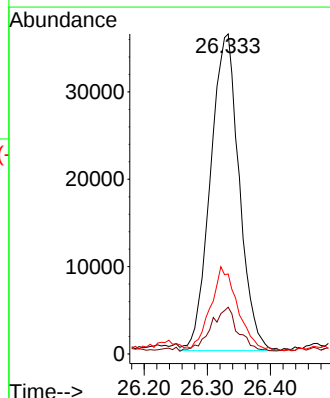
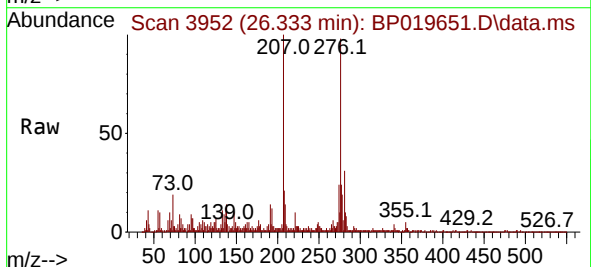
Tgt Ion:276 Resp: 114418

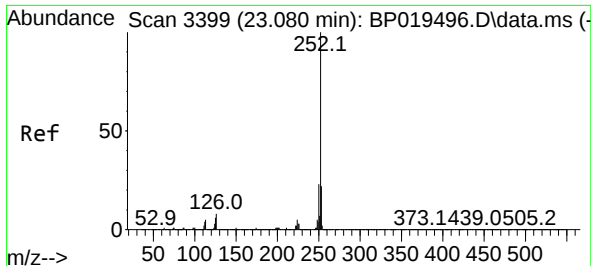
Ion Ratio Lower Upper

276 100

138 13.3 13.1 19.7

277 25.2 20.3 30.5

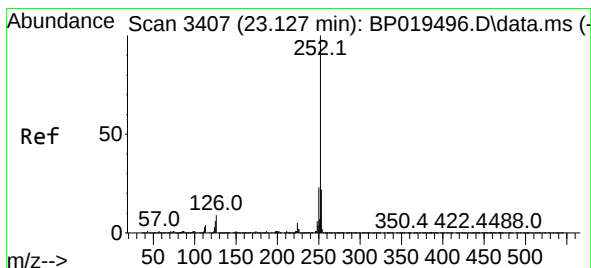
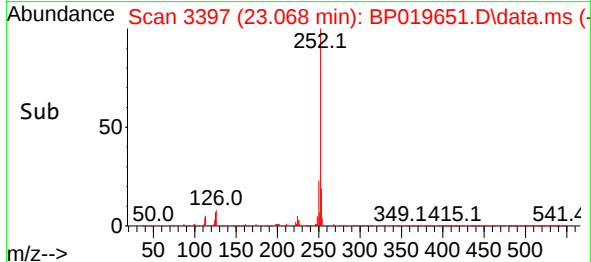
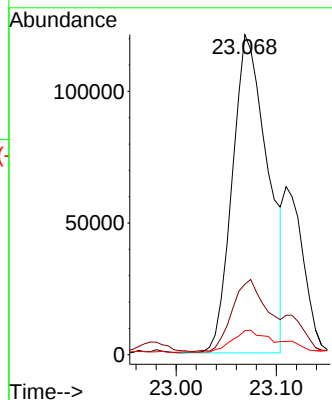
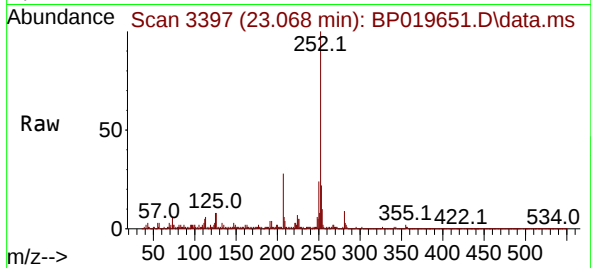




#88
Benzo(b)fluoranthene
Concen: 8.469 ng
RT: 23.068 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP019651.D
Acq: 10 Feb 2024 01:48

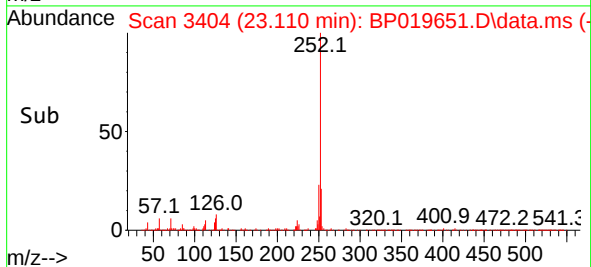
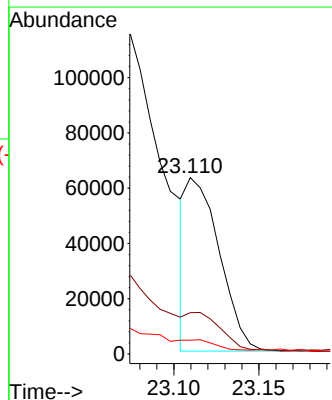
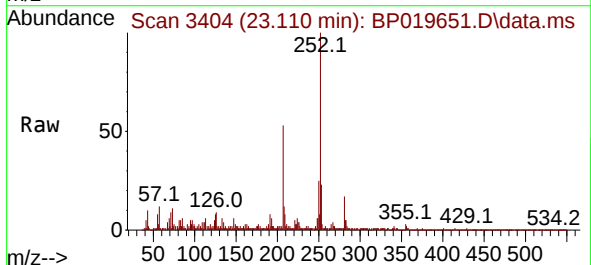
Instrument :
BNA_P
ClientSampleId :
ETGI-358

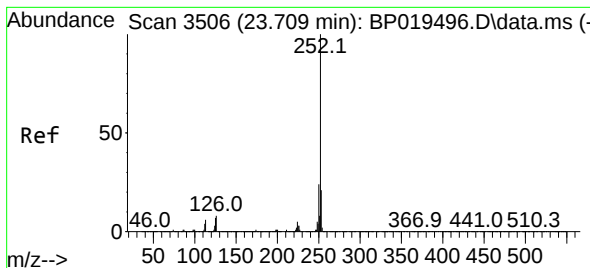
Tgt Ion:252 Resp: 298539
Ion Ratio Lower Upper
252 100
253 22.0 17.3 25.9
125 7.5 4.9 7.3#



#89
Benzo(k)fluoranthene
Concen: 2.518 ng m
RT: 23.110 min Scan# 3404
Delta R.T. -0.017 min
Lab File: BP019651.D
Acq: 10 Feb 2024 01:48

Tgt Ion:252 Resp: 84778
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 7.8 5.0 7.6#





#90

Benzo(a)pyrene

Concen: 4.797 ng

RT: 23.698 min Scan# 3506

Delta R.T. -0.012 min

Lab File: BP019651.D

Acq: 10 Feb 2024 01:48

Instrument :

BNA_P

ClientSampleId :

ETGI-358

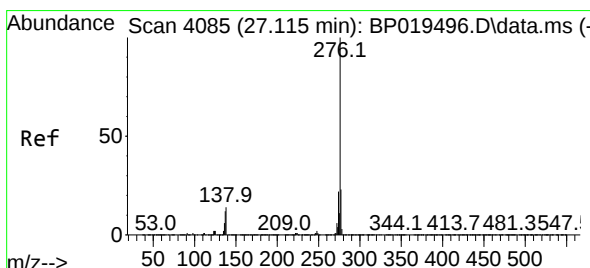
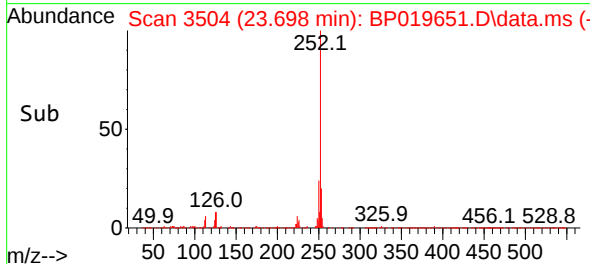
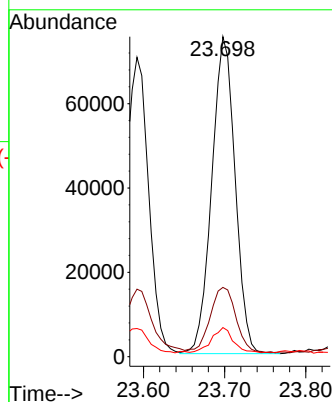
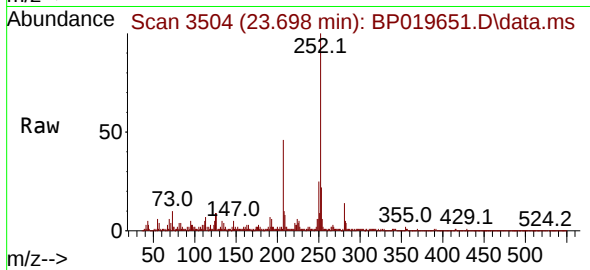
Tgt Ion:252 Resp: 150476

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

125 9.1 5.6 8.4#



#92

Benzo(g,h,i)perylene

Concen: 2.929 ng

RT: 27.104 min Scan# 4083

Delta R.T. -0.012 min

Lab File: BP019651.D

Acq: 10 Feb 2024 01:48

Tgt Ion:276 Resp: 104650

Ion Ratio Lower Upper

276 100

277 24.7 18.6 28.0

138 14.1 10.9 16.3

