

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022024\
 Data File : BP019795.D
 Acq On : 20 Feb 2024 20:25
 Operator : MA/JU
 Sample : P1514-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ETGI-343

Quant Time: Feb 20 23:55:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 19 23:35:42 2024
 Response via : Initial Calibration

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

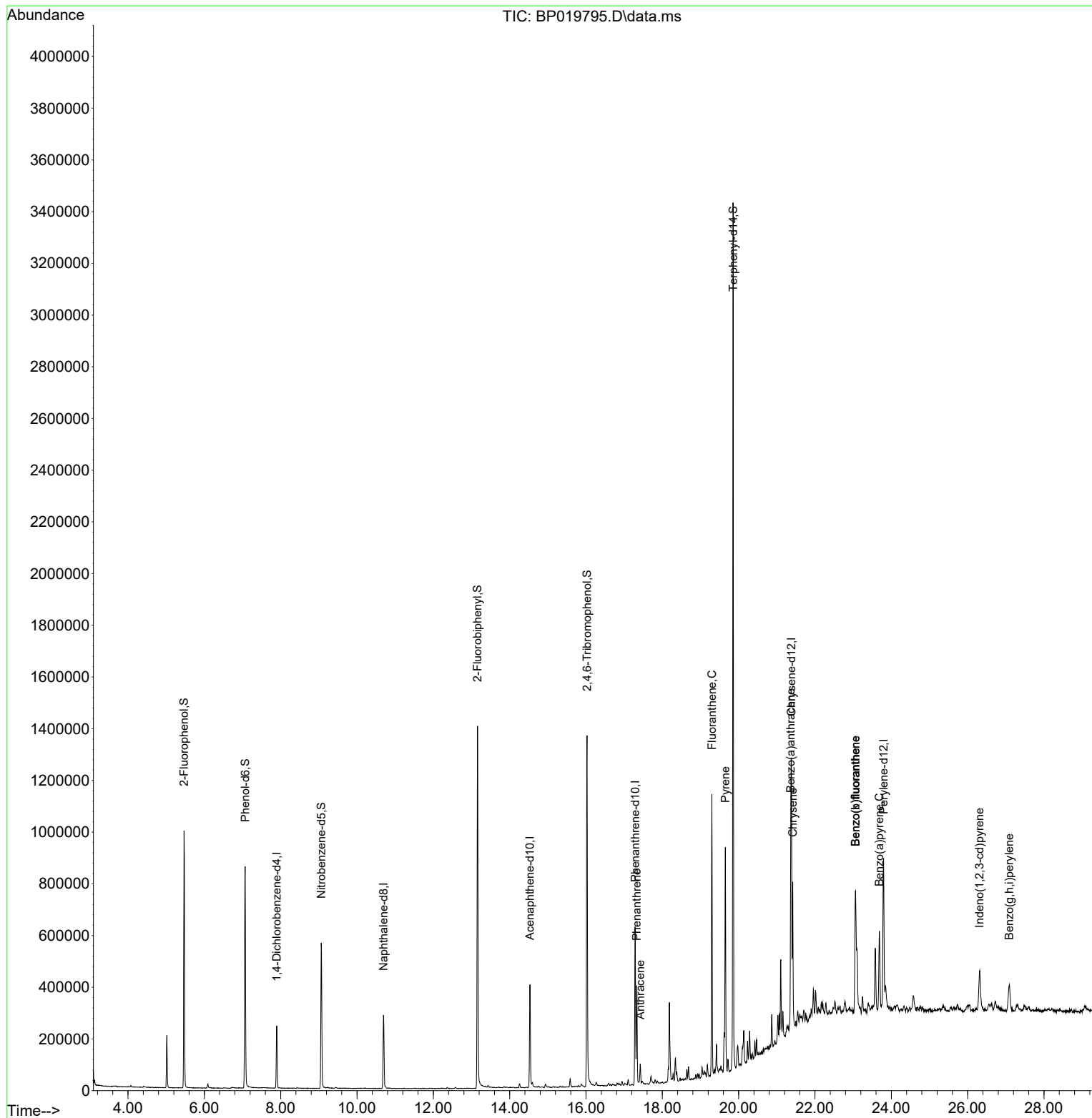
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.898	152	67409	20.000	ng	0.00
21) Naphthalene-d8	10.692	136	237590	20.000	ng	0.00
39) Acenaphthene-d10	14.533	164	163406	20.000	ng	0.00
64) Phenanthrene-d10	17.286	188	396018	20.000	ng	0.00
76) Chrysene-d12	21.380	240	444019	20.000	ng	#-0.01
86) Perylene-d12	23.798	264	501966	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	400214	95.701	ng	0.00
7) Phenol-d6	7.069	99	498222	88.357	ng	0.00
23) Nitrobenzene-d5	9.063	82	349023	63.654	ng	0.00
42) 2,4,6-Tribromophenol	16.027	330	313728	131.496	ng	0.00
45) 2-Fluorobiphenyl	13.157	172	799363	60.475	ng	0.00
79) Terphenyl-d14	19.857	244	1745362	64.644	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.327	178	244965	11.754	ng	99
72) Anthracene	17.421	178	50525	2.430	ng	97
75) Fluoranthene	19.298	202	628531	24.687	ng	99
78) Pyrene	19.651	202	547023	17.456	ng	98
81) Benzo(a)anthracene	21.362	228	356516	11.406	ng	99
83) Chrysene	21.415	228	344955	11.625	ng	98
87) Indeno(1,2,3-cd)pyrene	26.309	276	175178	4.559	ng	# 96
88) Benzo(b)fluoranthene	23.062	252	480814	15.198	ng	97
89) Benzo(k)fluoranthene	23.062	252	480814	15.910	ng	97
90) Benzo(a)pyrene	23.686	252	276138	9.810	ng	98
92) Benzo(g,h,i)perylene	27.092	276	159104	4.963	ng	98

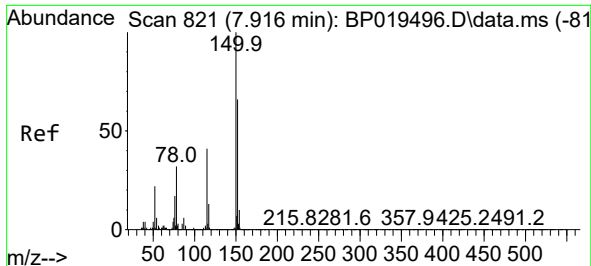
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022024\
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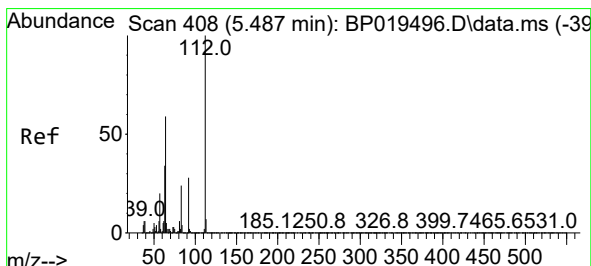
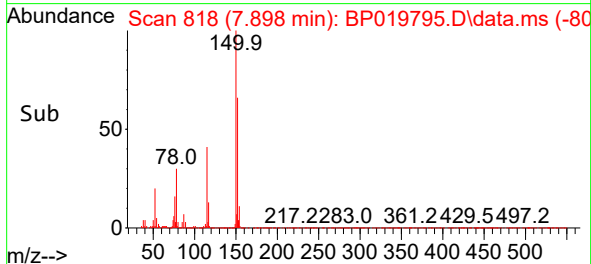
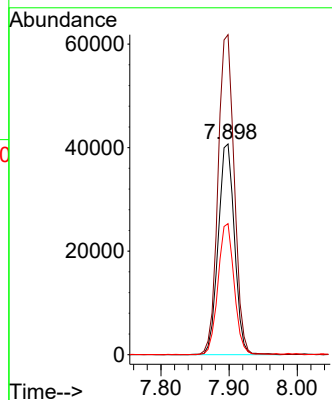
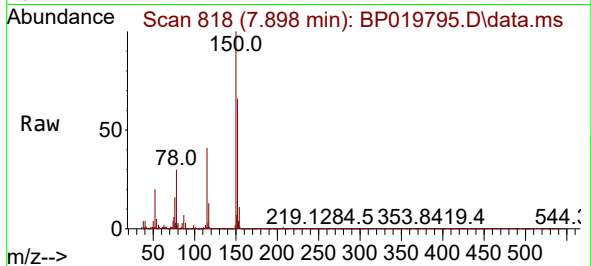




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

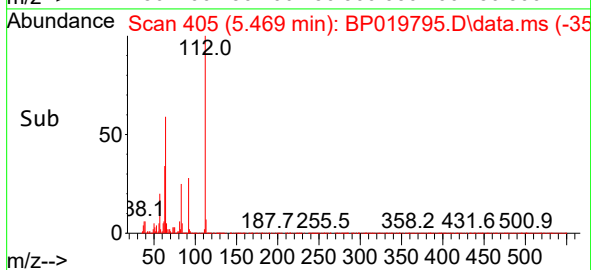
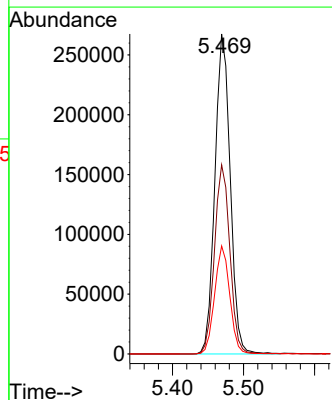
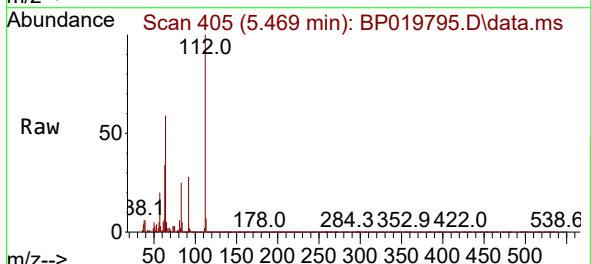
Instrument :
BNA_P
ClientSampleId :
ETGI-343

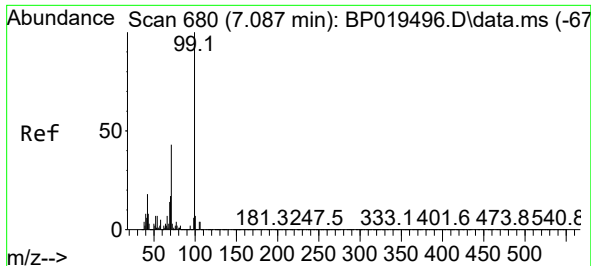
Tgt Ion:152 Resp: 67409
Ion Ratio Lower Upper
152 100
150 151.9 121.8 182.8
115 62.2 49.9 74.9



#5
2-Fluorophenol
Concen: 95.701 ng
RT: 5.469 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

Tgt Ion:112 Resp: 400214
Ion Ratio Lower Upper
112 100
64 59.1 47.4 71.0
63 33.7 27.0 40.6

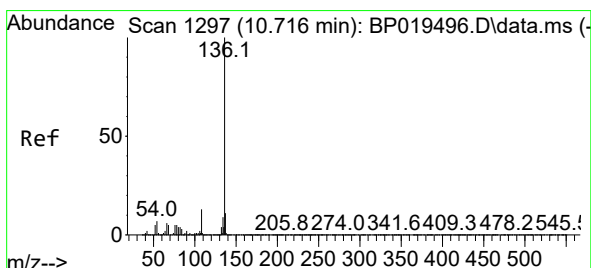
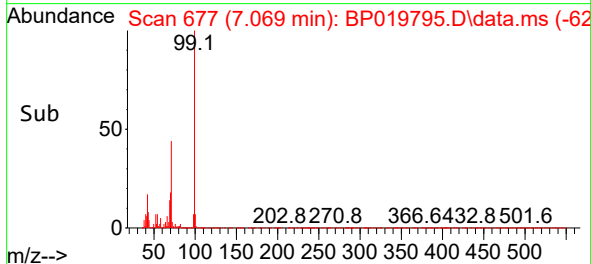
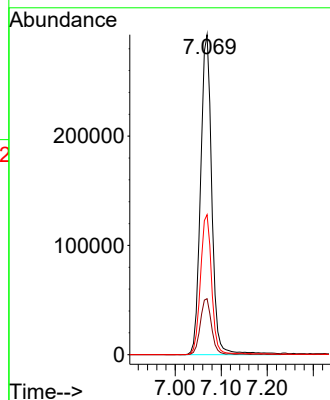
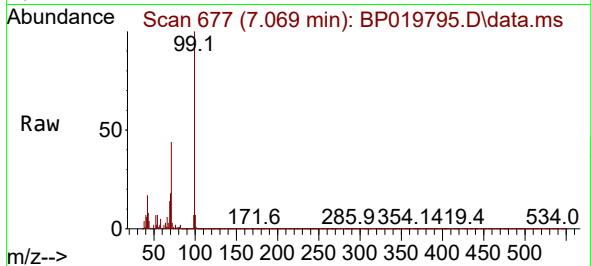




#7
Phenol-d6
Concen: 88.357 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

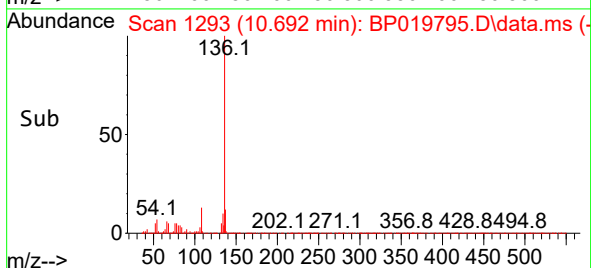
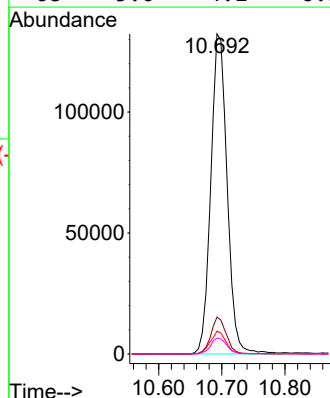
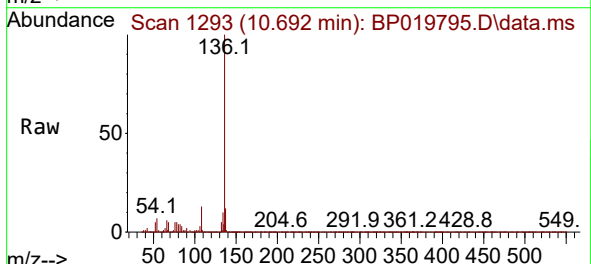
Instrument :
BNA_P
ClientSampleId :
ETGI-343

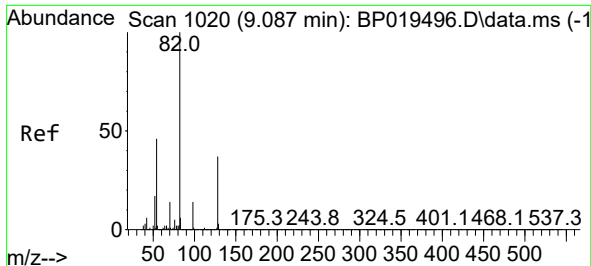
Tgt Ion: 99 Resp: 498222
Ion Ratio Lower Upper
99 100
42 17.5 14.7 22.1
71 43.8 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

Tgt Ion: 136 Resp: 237590
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 7.1 5.3 7.9
68 5.0 4.1 6.1

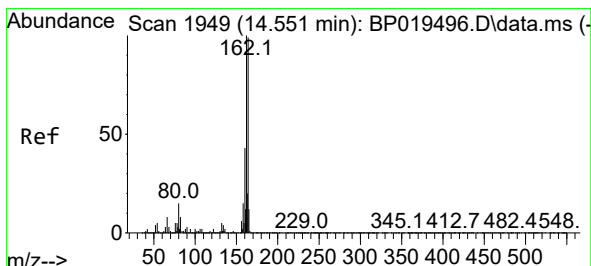
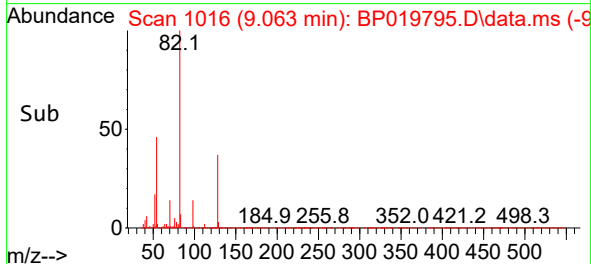
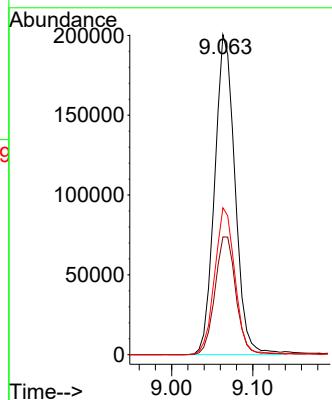
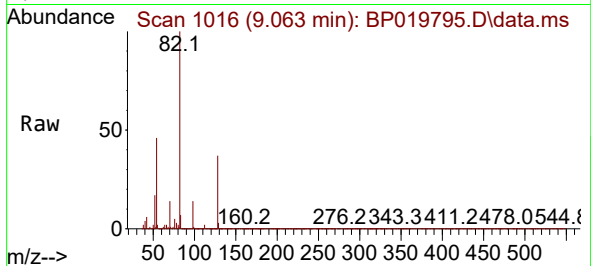




#23
Nitrobenzene-d5
Concen: 63.654 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

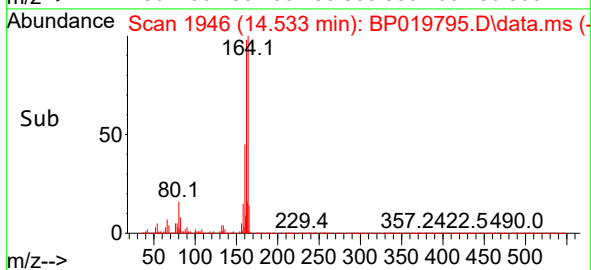
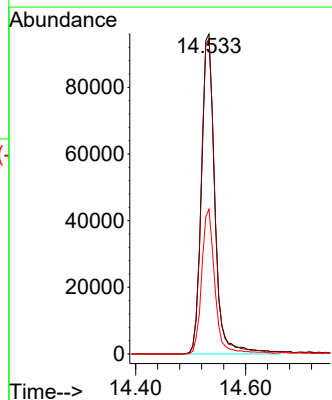
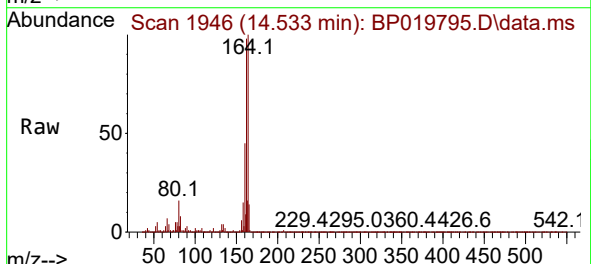
Instrument :
BNA_P
ClientSampleId :
ETGI-343

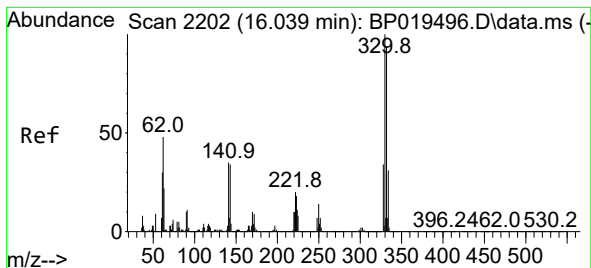
Tgt Ion: 82 Resp: 349023
Ion Ratio Lower Upper
82 100
128 36.8 29.7 44.5
54 45.9 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.533 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

Tgt Ion:164 Resp: 163406
Ion Ratio Lower Upper
164 100
162 98.4 81.2 121.8
160 45.2 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 131.496 ng

RT: 16.027 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019795.D

Acq: 20 Feb 2024 20:25

Instrument :

BNA_P

ClientSampleId :

ETGI-343

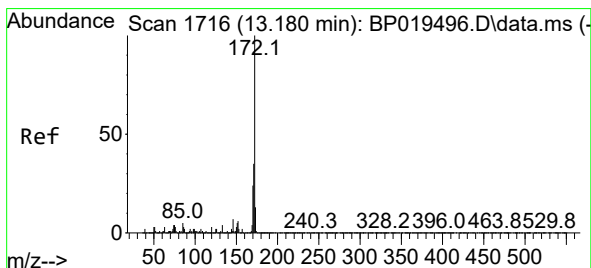
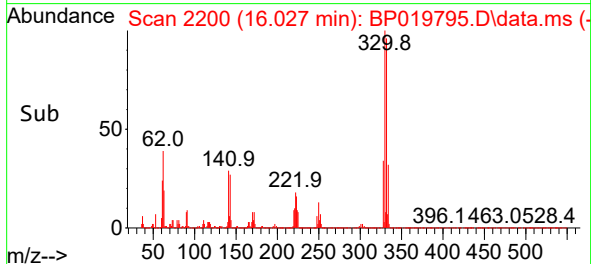
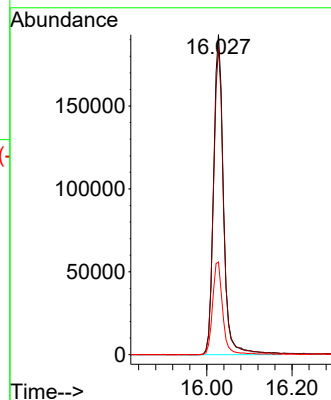
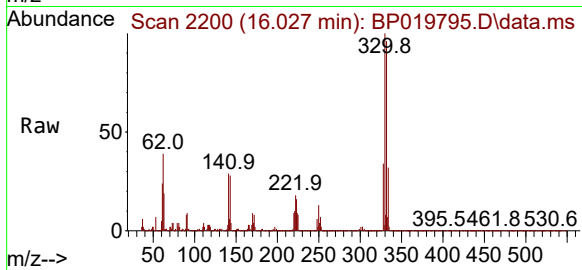
Tgt Ion:330 Resp: 313728

Ion Ratio Lower Upper

330 100

332 96.2 77.2 115.8

141 29.1 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 60.475 ng

RT: 13.157 min Scan# 1712

Delta R.T. -0.006 min

Lab File: BP019795.D

Acq: 20 Feb 2024 20:25

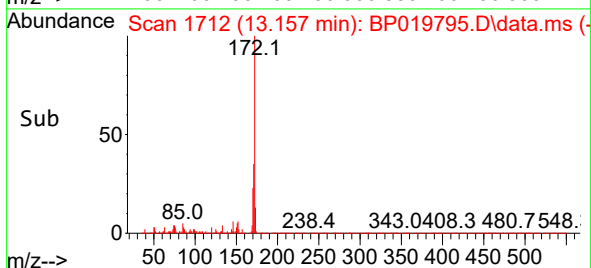
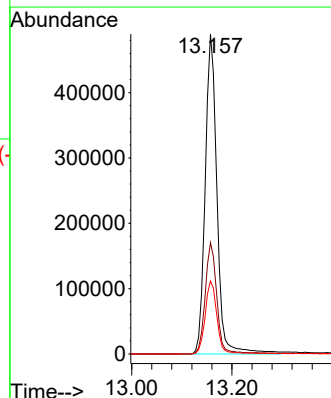
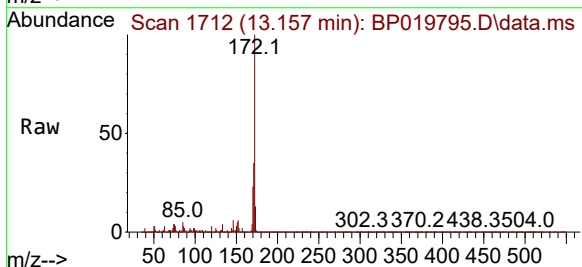
Tgt Ion:172 Resp: 799363

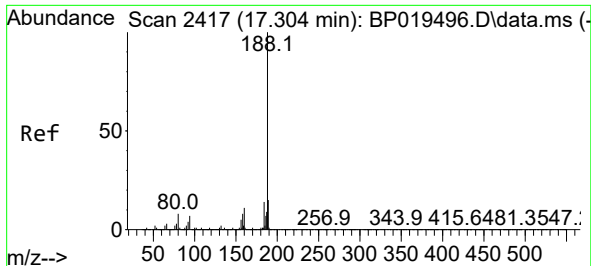
Ion Ratio Lower Upper

172 100

171 34.7 28.2 42.4

170 22.8 18.9 28.3

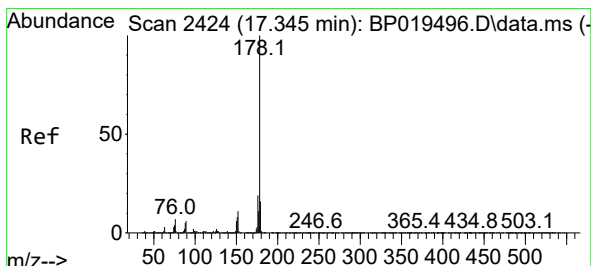
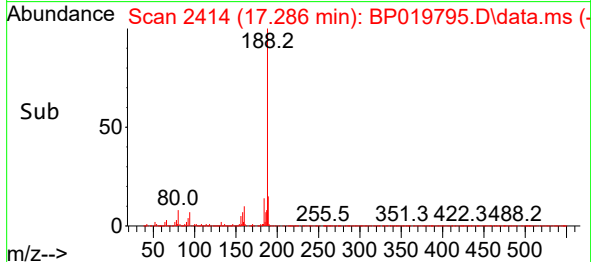
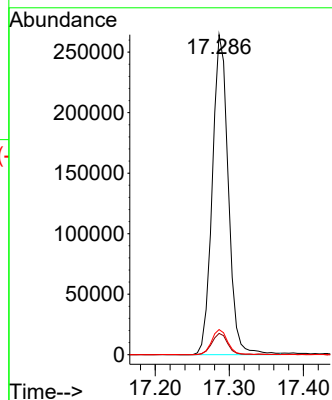
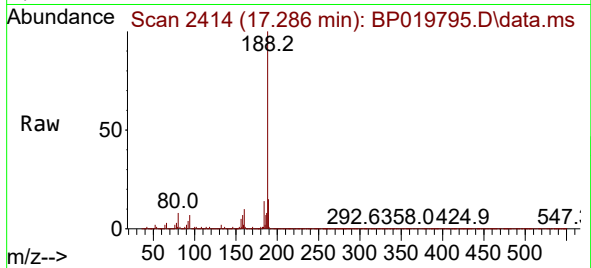




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.286 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

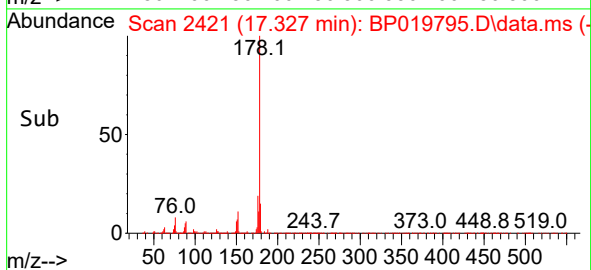
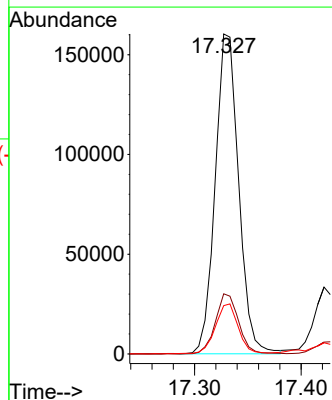
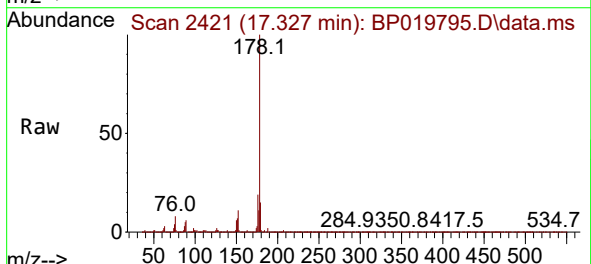
Instrument :
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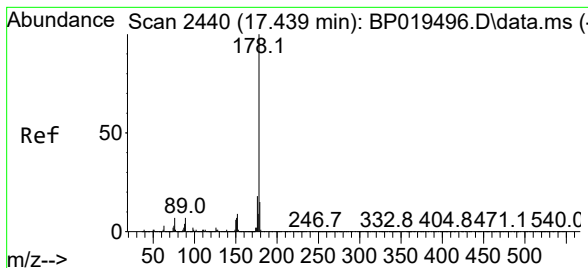
Tgt Ion:188 Resp: 396018
Ion Ratio Lower Upper
188 100
94 6.7 5.4 8.2
80 7.9 6.3 9.5



#71
Phenanthrene
Concen: 11.754 ng
RT: 17.327 min Scan# 2421
Delta R.T. -0.012 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

Tgt Ion:178 Resp: 244965
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.1 12.6 19.0





#72

Anthracene

Concen: 2.430 ng

RT: 17.421 min Scan# 2440

Delta R.T. -0.006 min

Lab File: BP019795.D

Acq: 20 Feb 2024 20:25

Instrument :

BNA_P

ClientSampleId :

ETGI-343

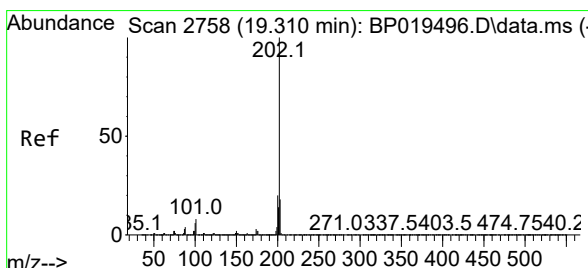
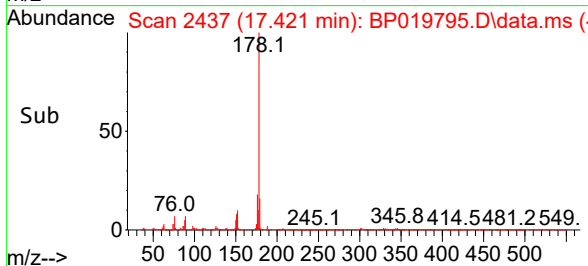
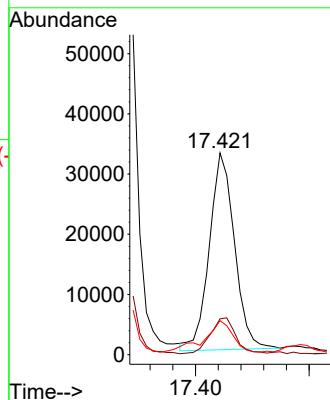
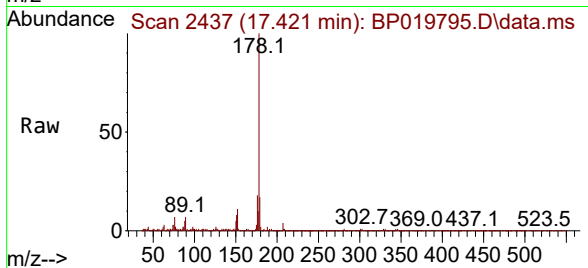
Tgt Ion:178 Resp: 50525

Ion Ratio Lower Upper

178 100

176 17.8 14.7 22.1

179 16.9 12.2 18.2



#75

Fluoranthene

Concen: 24.687 ng

RT: 19.298 min Scan# 2756

Delta R.T. -0.006 min

Lab File: BP019795.D

Acq: 20 Feb 2024 20:25

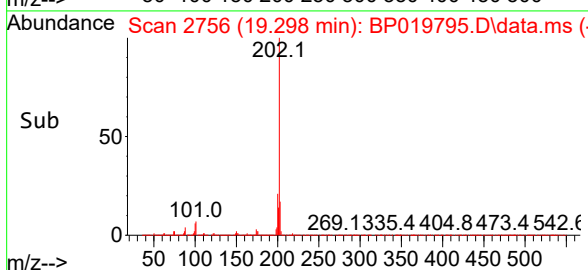
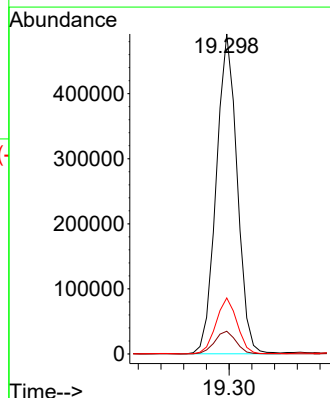
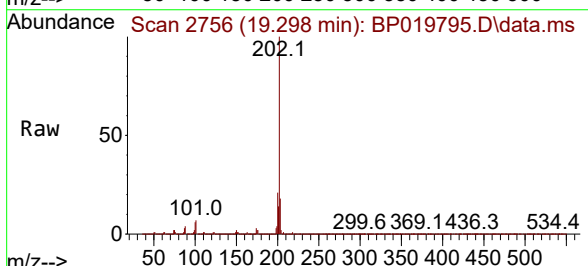
Tgt Ion:202 Resp: 628531

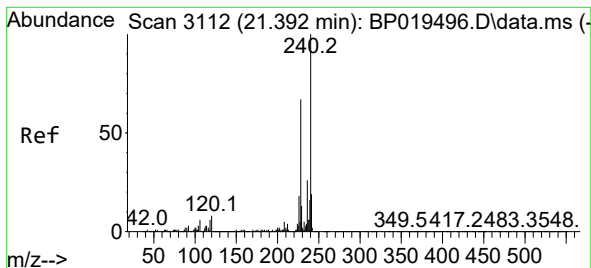
Ion Ratio Lower Upper

202 100

101 7.1 0.0 27.7

203 17.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.380 min Scan# 3110

Delta R.T. -0.012 min

Lab File: BP019795.D

Acq: 20 Feb 2024 20:25

Instrument :

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ClientSampleId :

ETGI-343

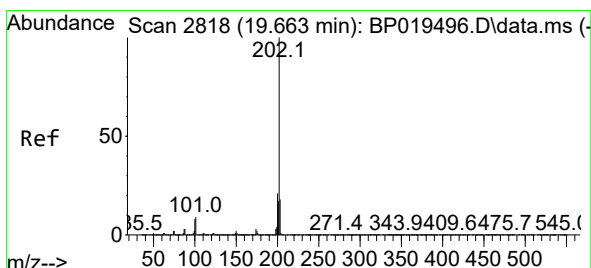
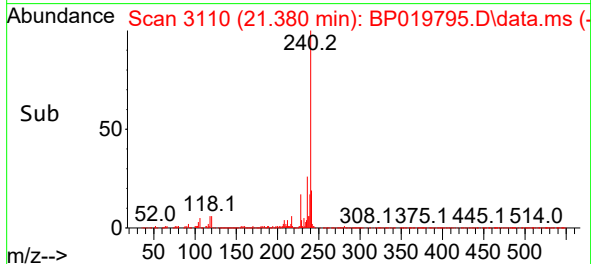
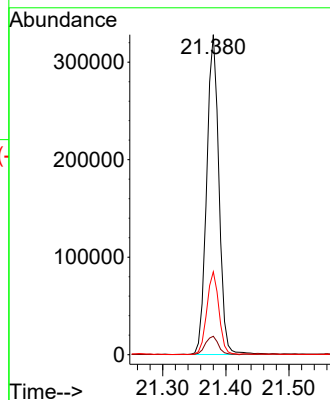
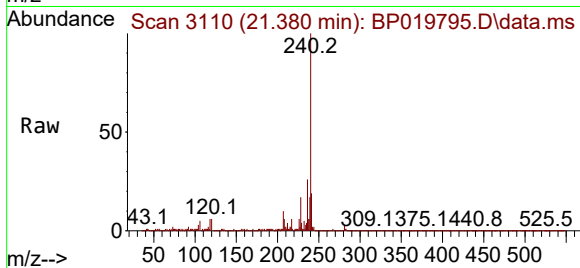
Tgt Ion:240 Resp: 444019

Ion Ratio Lower Upper

240 100

120 5.8 6.1 9.1#

236 25.9 20.7 31.1



#78

Pyrene

Concen: 17.456 ng

RT: 19.651 min Scan# 2816

Delta R.T. -0.006 min

Lab File: BP019795.D

Acq: 20 Feb 2024 20:25

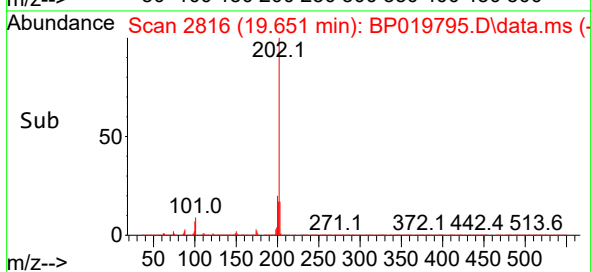
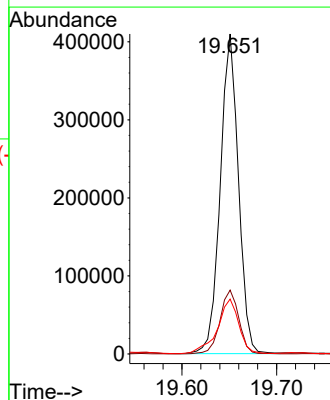
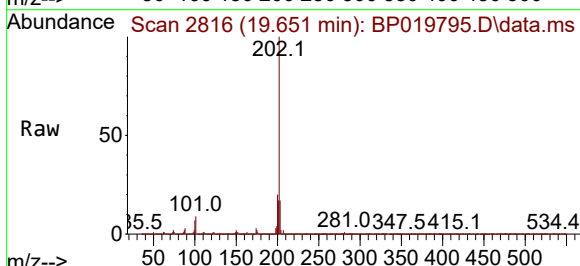
Tgt Ion:202 Resp: 547023

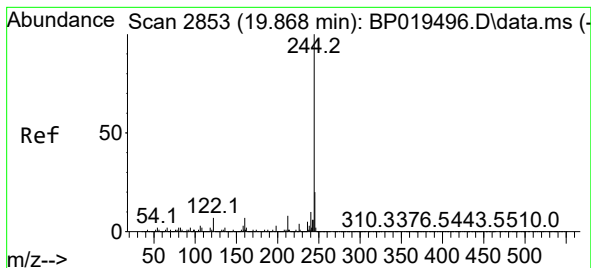
Ion Ratio Lower Upper

202 100

200 19.9 16.9 25.3

203 17.1 14.2 21.2





#79

Terphenyl-d14

Concen: 64.644 ng

RT: 19.857 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019795.D

Acq: 20 Feb 2024 20:25

Instrument :

BNA_P

ClientSampleId :

ETGI-343

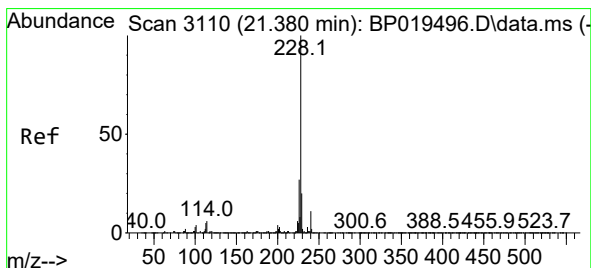
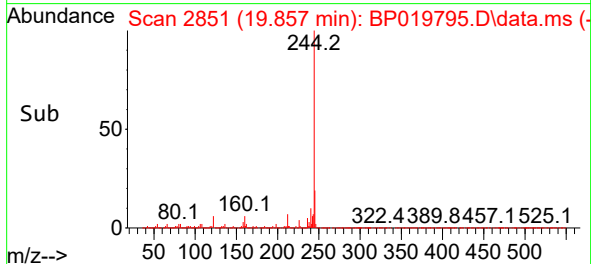
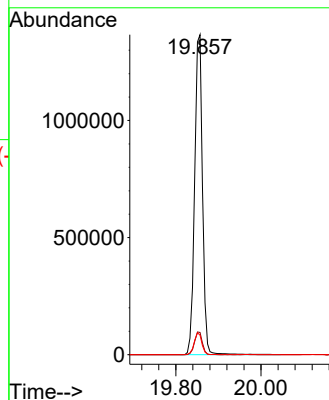
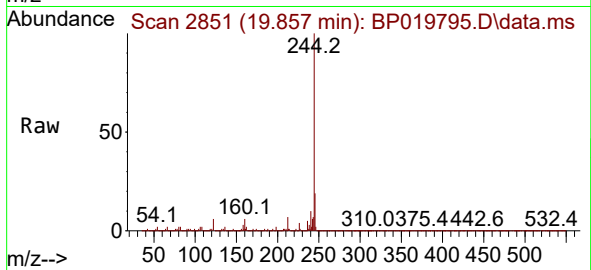
Tgt Ion:244 Resp: 1745362

Ion Ratio Lower Upper

244 100

212 6.9 6.1 9.1

122 6.1 5.9 8.9



#81

Benzo(a)anthracene

Concen: 11.406 ng

RT: 21.362 min Scan# 3107

Delta R.T. -0.012 min

Lab File: BP019795.D

Acq: 20 Feb 2024 20:25

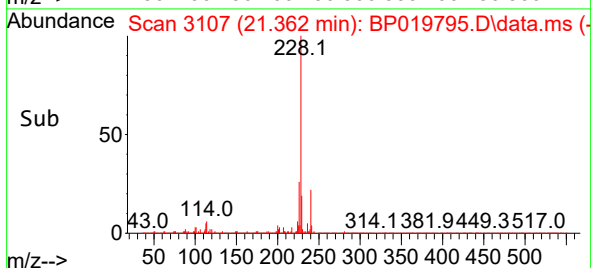
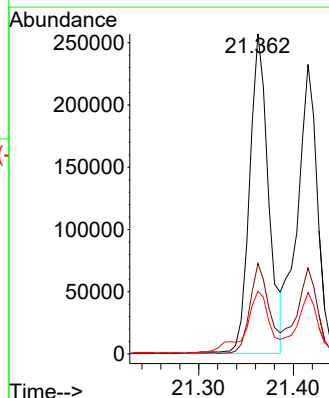
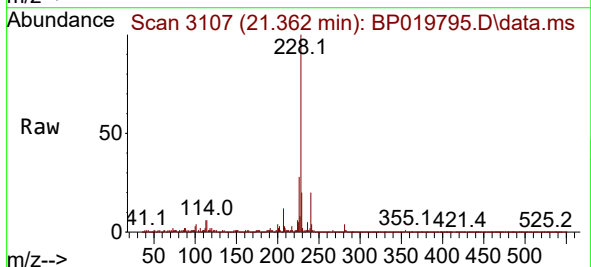
Tgt Ion:228 Resp: 356516

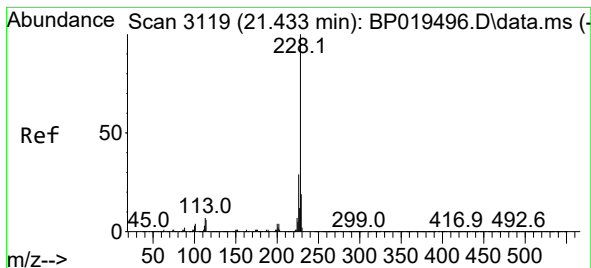
Ion Ratio Lower Upper

228 100

226 28.3 21.7 32.5

229 19.6 15.6 23.4





#83

Chrysene

Concen: 11.625 ng

RT: 21.415 min Scan# 3119

Delta R.T. -0.012 min

Lab File: BP019795.D

Acq: 20 Feb 2024 20:25

Instrument :

BNA_P

ClientSampleId :

ETGI-343

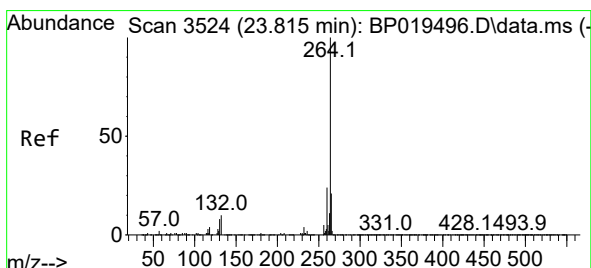
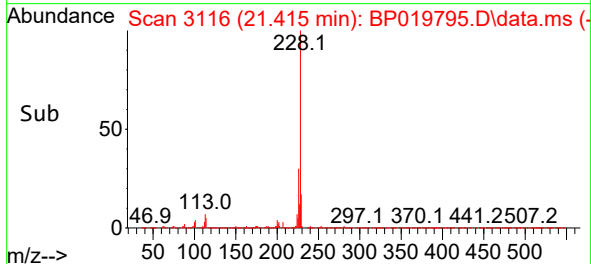
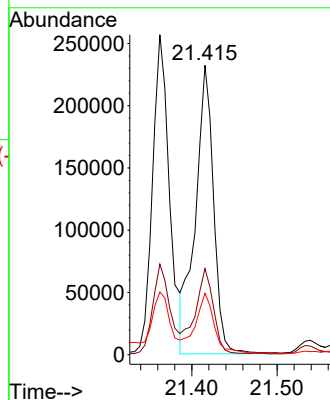
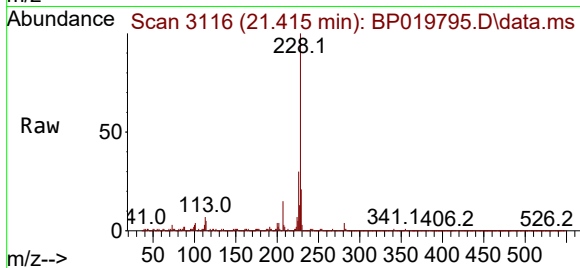
Tgt Ion:228 Resp: 344955

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

229 21.2 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.798 min Scan# 3521

Delta R.T. -0.012 min

Lab File: BP019795.D

Acq: 20 Feb 2024 20:25

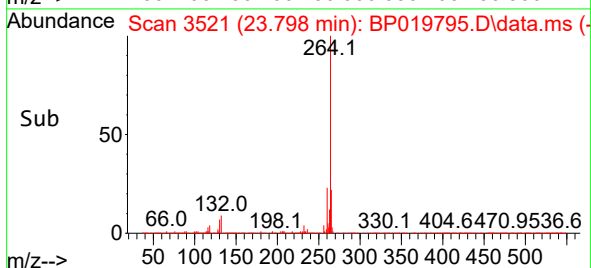
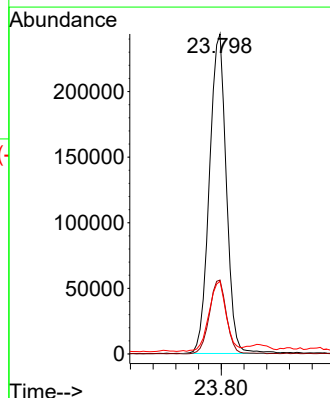
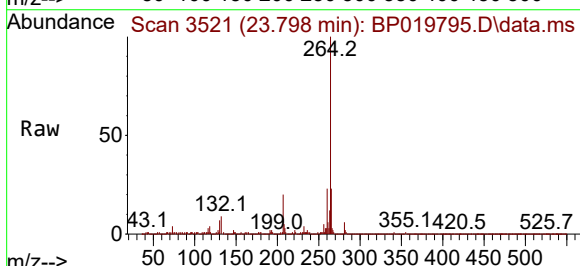
Tgt Ion:264 Resp: 501966

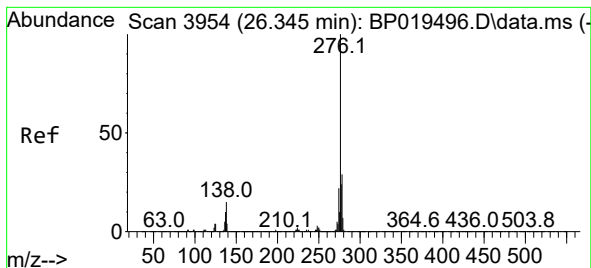
Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 22.7 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.559 ng

RT: 26.309 min Scan# 3948

Delta R.T. -0.035 min

Lab File: BP019795.D

Acq: 20 Feb 2024 20:25

Instrument :

BNA_P

ClientSampleId :

ETGI-343

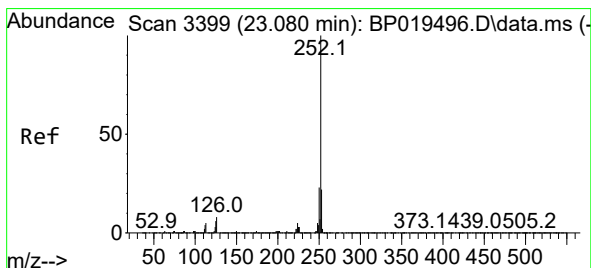
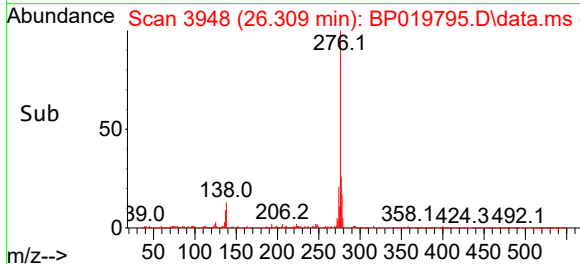
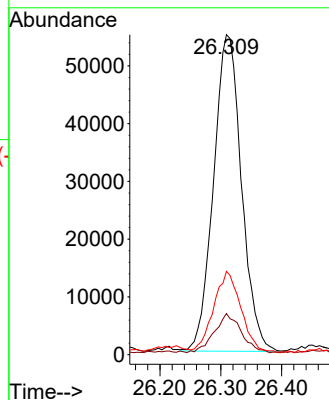
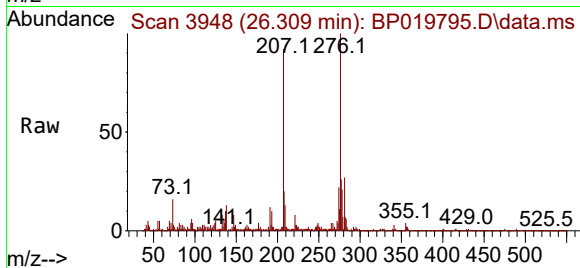
Tgt Ion:276 Resp: 175178

Ion Ratio Lower Upper

276 100

138 12.1 13.1 19.7#

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 15.198 ng

RT: 23.062 min Scan# 3396

Delta R.T. -0.012 min

Lab File: BP019795.D

Acq: 20 Feb 2024 20:25

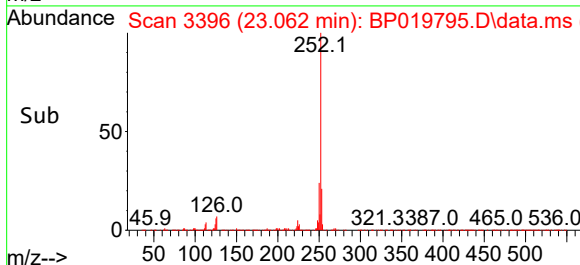
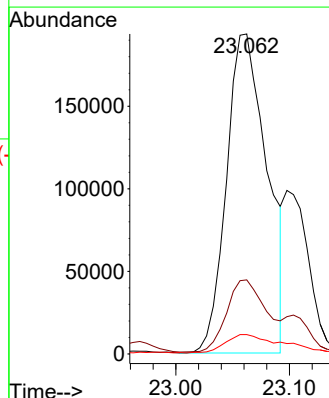
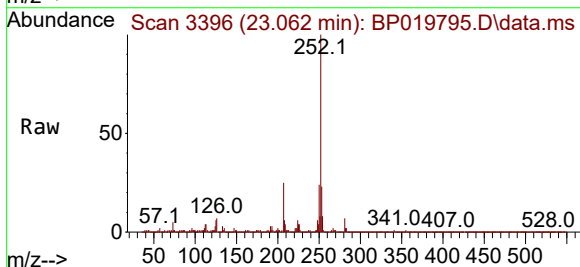
Tgt Ion:252 Resp: 480814

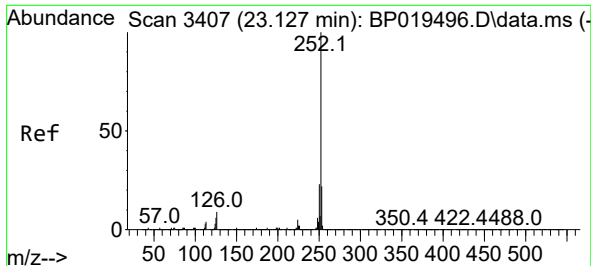
Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

125 6.1 4.9 7.3

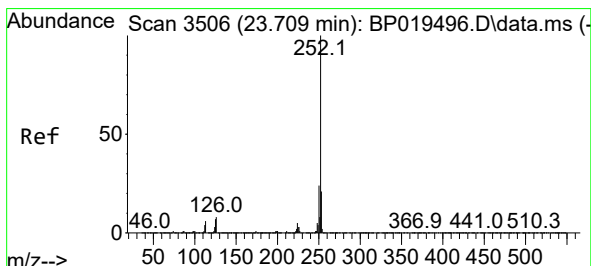
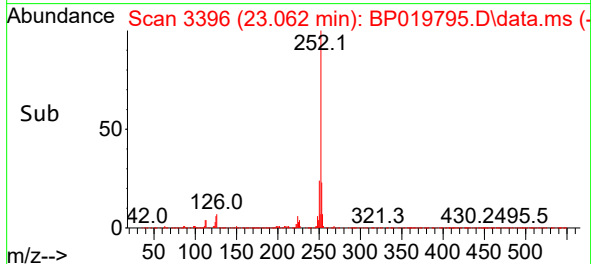
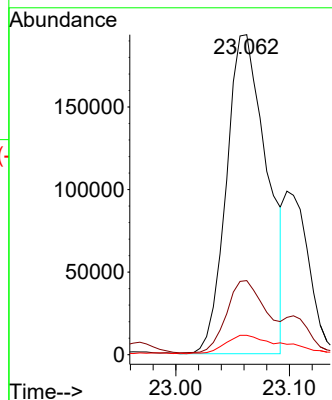
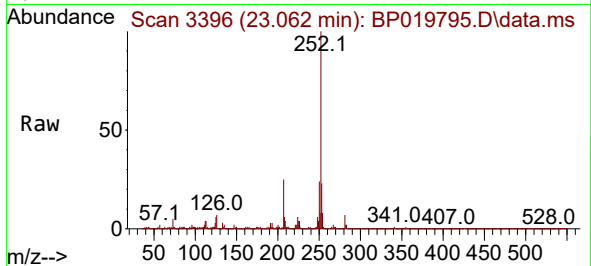




#89
Benzo(k)fluoranthene
Concen: 15.910 ng
RT: 23.062 min Scan# 31
Delta R.T. -0.059 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

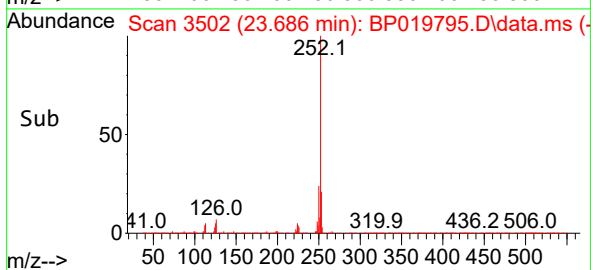
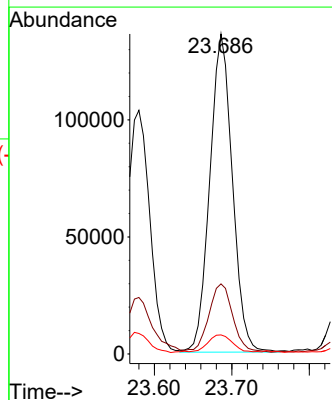
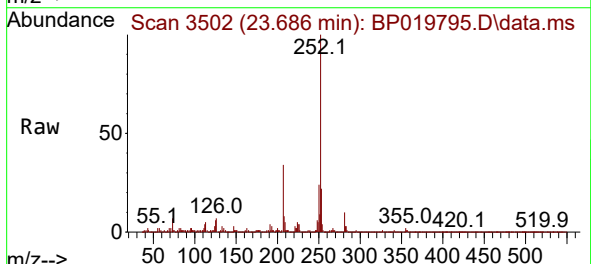
Instrument :
BNA_P
ClientSampleId :
ETGI-343

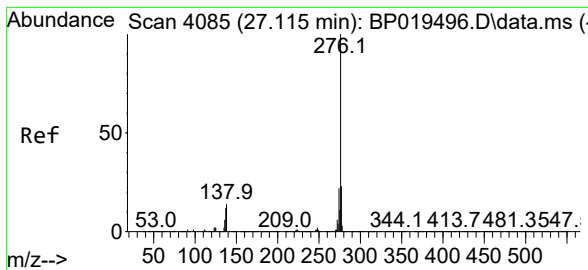
Tgt Ion:252 Resp: 480814
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 6.1 5.0 7.6



#90
Benzo(a)pyrene
Concen: 9.810 ng
RT: 23.686 min Scan# 3502
Delta R.T. -0.018 min
Lab File: BP019795.D
Acq: 20 Feb 2024 20:25

Tgt Ion:252 Resp: 276138
Ion Ratio Lower Upper
252 100
253 21.9 17.1 25.7
125 5.9 5.6 8.4





#92
 Benzo(g,h,i)perylene
 Concen: 4.963 ng
 RT: 27.092 min Scan# 4081
 Delta R.T. -0.030 min
 Lab File: BP019795.D
 Acq: 20 Feb 2024 20:25

Instrument :
 BNA_P
 ClientSampleId :
 ETGI-343

Tgt Ion:	276	Resp:	159104
Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	28.0
138	11.1	10.9	16.3

