

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021324\
 Data File : BP019691.D
 Acq On : 13 Feb 2024 22:48
 Operator : MA/JU
 Sample : P1449-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ETGI-362

Quant Time: Feb 13 23:28:58 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)

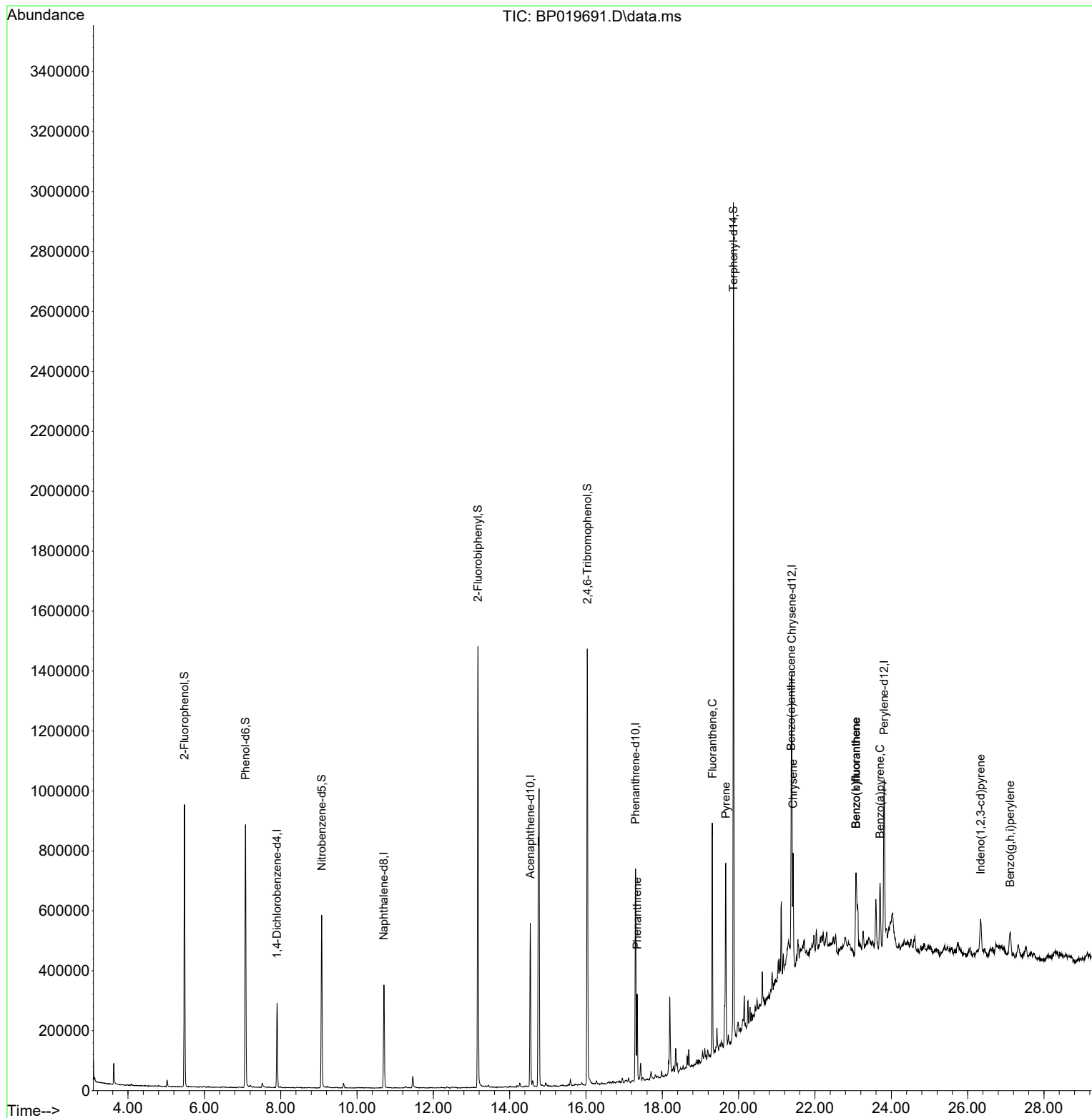
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	76344	20.000	ng	-0.01
21) Naphthalene-d8	10.704	136	283169	20.000	ng	-0.01
39) Acenaphthene-d10	14.539	164	192983	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	449943	20.000	ng	0.00
76) Chrysene-d12	21.392	240	415427	20.000	ng	0.00
86) Perylene-d12	23.810	264	488951	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	379041	80.030	ng	0.00
7) Phenol-d6	7.081	99	501373	78.510	ng	0.00
23) Nitrobenzene-d5	9.075	82	346438	53.013	ng	-0.01
42) 2,4,6-Tribromophenol	16.034	330	308115	109.350	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	813828	52.133	ng	-0.01
79) Terphenyl-d14	19.863	244	1381216	54.678	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.339	178	178309	7.530	ng	99
75) Fluoranthene	19.310	202	472778	16.344	ng	99
78) Pyrene	19.663	202	398767	13.601	ng	100
81) Benzo(a)anthracene	21.374	228	215098	7.356	ng	97
83) Chrysene	21.427	228	213570	7.692	ng	97
87) Indeno(1,2,3-cd)pyrene	26.339	276	136965	3.659	ng	# 95
88) Benzo(b)fluoranthene	23.074	252	300335	9.746	ng	# 96
89) Benzo(k)fluoranthene	23.074	252	300335	10.203	ng	# 96
90) Benzo(a)pyrene	23.704	252	195995	7.148	ng	96
92) Benzo(g,h,i)perylene	27.115	276	127804	4.092	ng	96

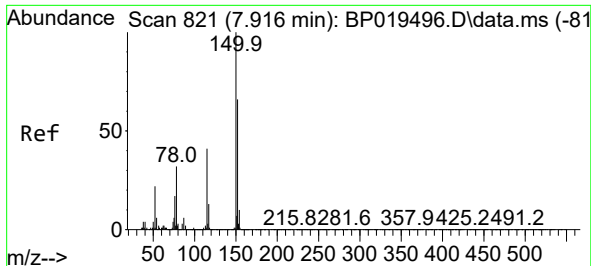
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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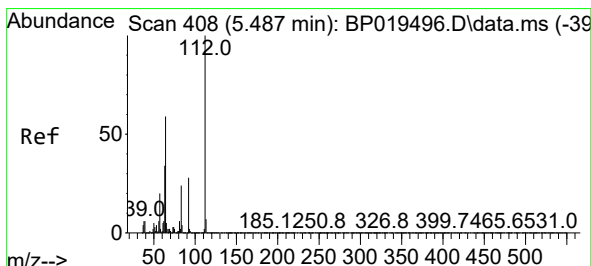
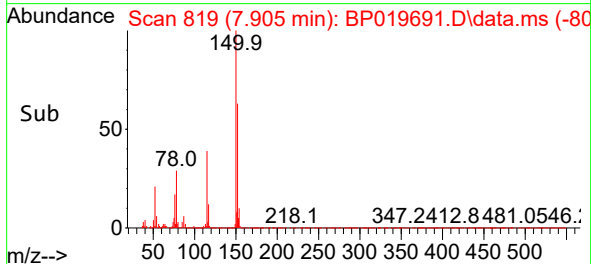
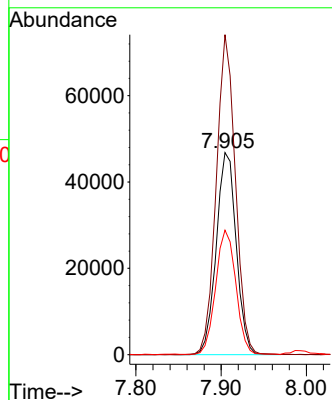
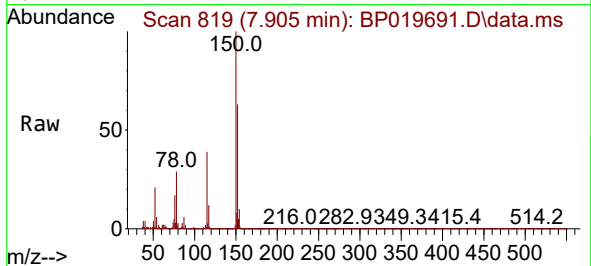




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP019691.D
Acq: 13 Feb 2024 22:48

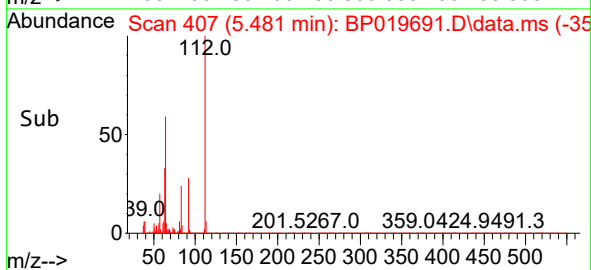
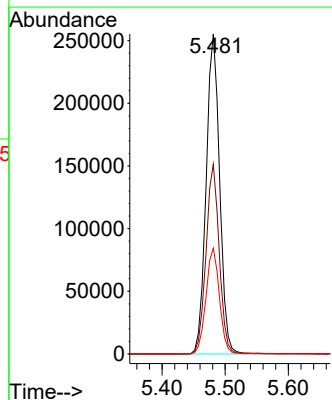
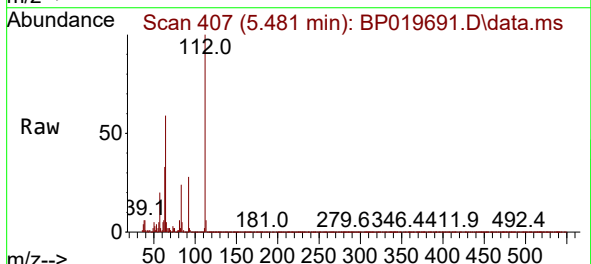
Instrument :
BNA_P
ClientSampleId :
ETGI-362

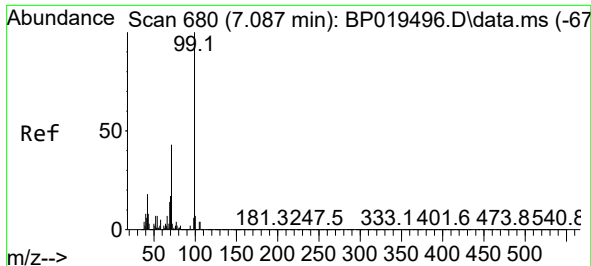
Tgt Ion:152 Resp: 76344
Ion Ratio Lower Upper
152 100
150 158.4 121.8 182.8
115 61.6 49.9 74.9



#5
2-Fluorophenol
Concen: 80.030 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.006 min
Lab File: BP019691.D
Acq: 13 Feb 2024 22:48

Tgt Ion:112 Resp: 379041
Ion Ratio Lower Upper
112 100
64 59.3 47.4 71.0
63 33.1 27.0 40.6

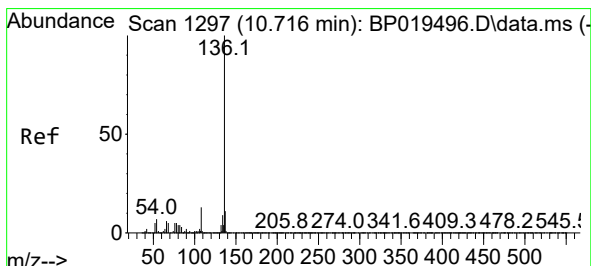
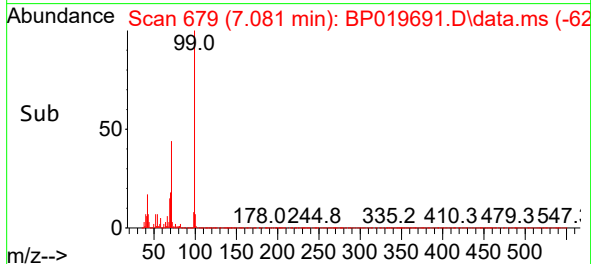
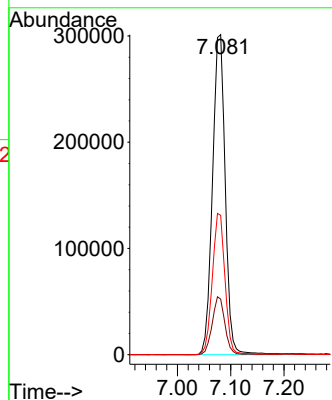
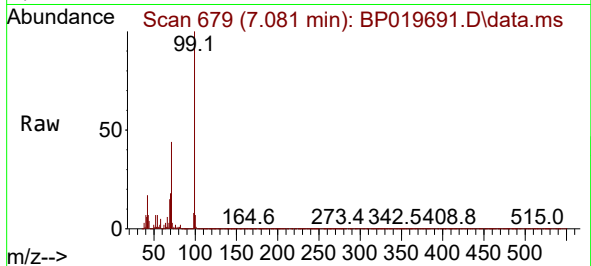




#7
Phenol-d6
Concen: 78.510 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019691.D
Acq: 13 Feb 2024 22:48

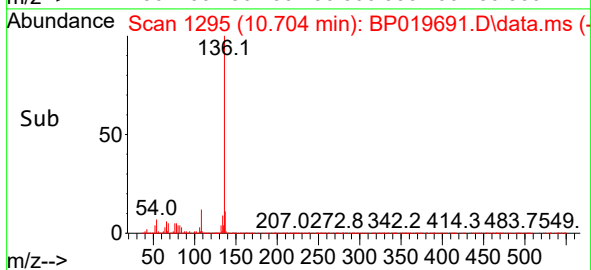
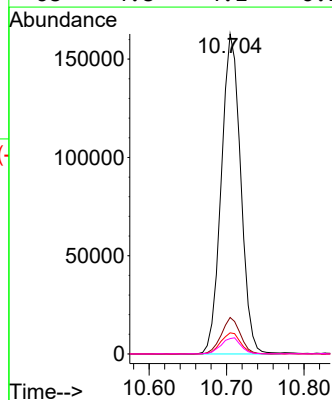
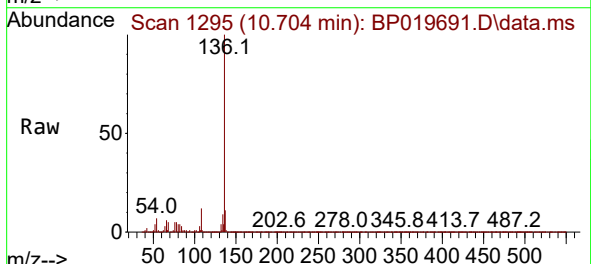
Instrument :
BNA_P
ClientSampleId :
ETGI-362

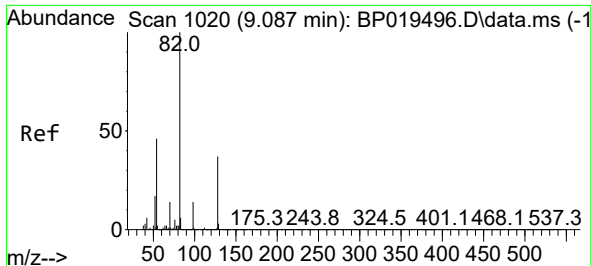
Tgt Ion: 99 Resp: 501373
Ion Ratio Lower Upper
99 100
42 17.4 14.7 22.1
71 43.5 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BP019691.D
Acq: 13 Feb 2024 22:48

Tgt Ion: 136 Resp: 283169
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 6.6 5.3 7.9
68 4.8 4.1 6.1

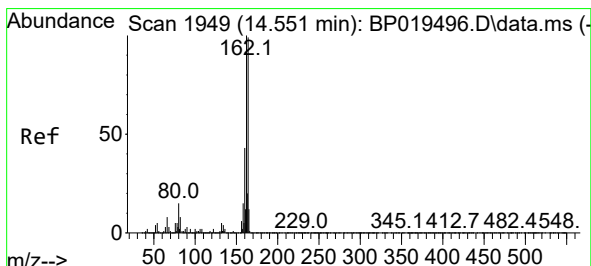
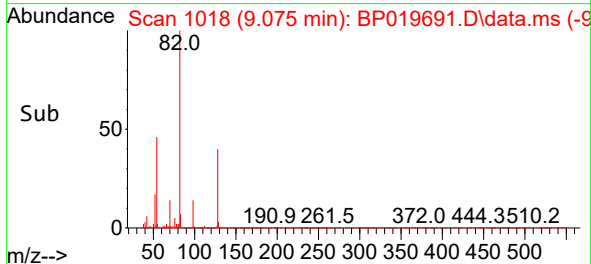
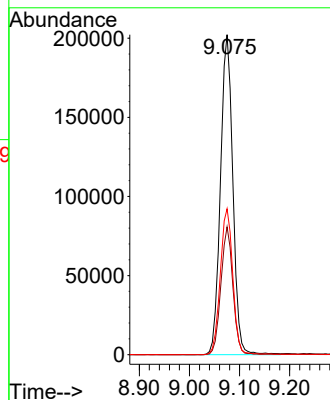
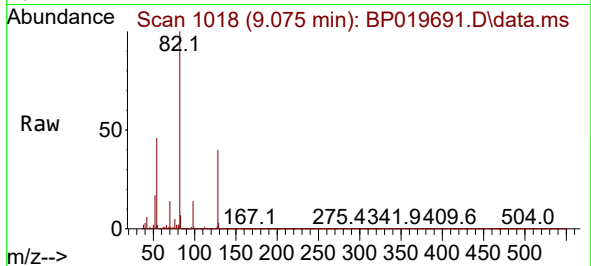




#23
Nitrobenzene-d5
Concen: 53.013 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP019691.D
Acq: 13 Feb 2024 22:48

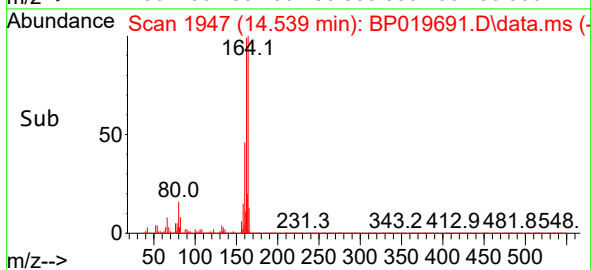
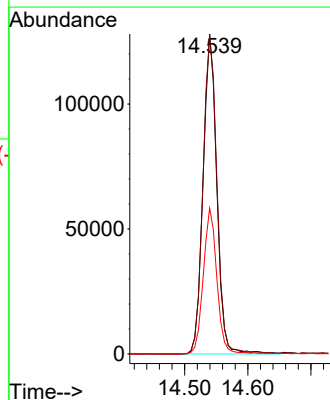
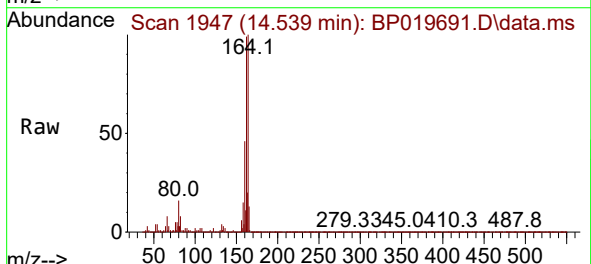
Instrument :
BNA_P
ClientSampleId :
ETGI-362

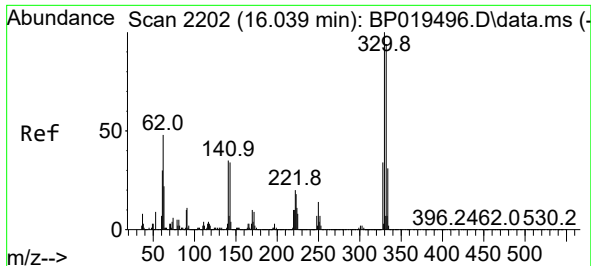
Tgt Ion: 82 Resp: 346438
Ion Ratio Lower Upper
82 100
128 39.9 29.7 44.5
54 45.6 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BP019691.D
Acq: 13 Feb 2024 22:48

Tgt Ion: 164 Resp: 192983
Ion Ratio Lower Upper
164 100
162 99.5 81.2 121.8
160 45.6 35.1 52.7

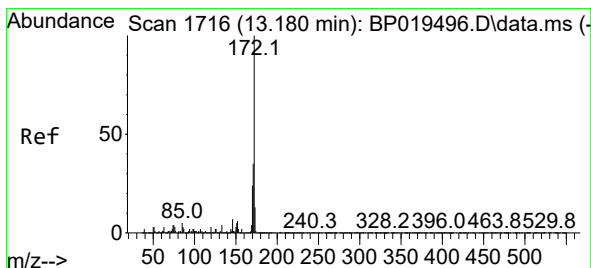
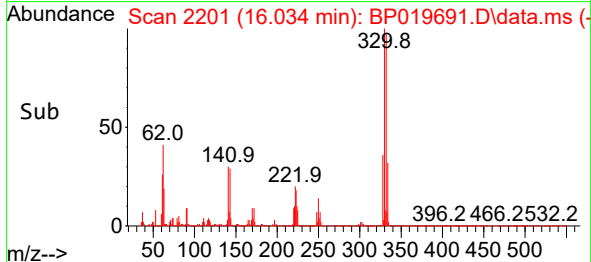
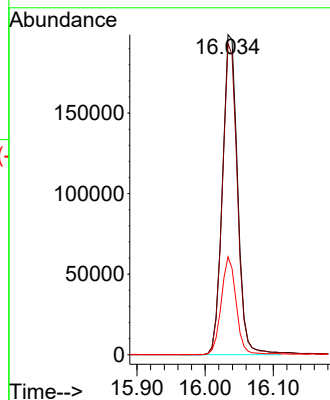
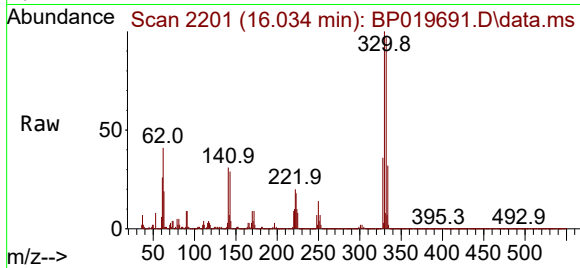




#42
2,4,6-Tribromophenol
Concen: 109.350 ng
RT: 16.034 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019691.D
Acq: 13 Feb 2024 22:48

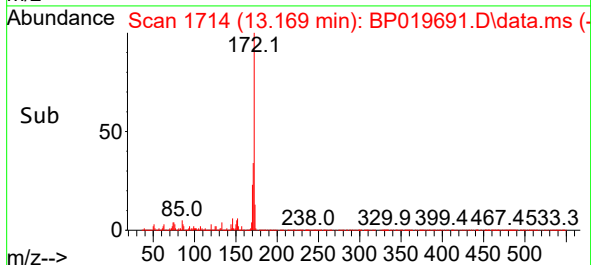
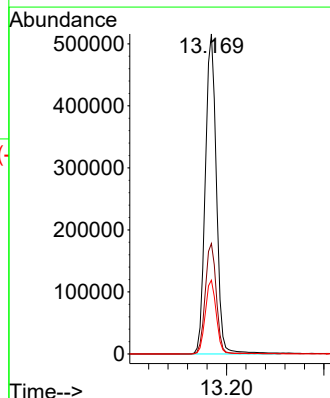
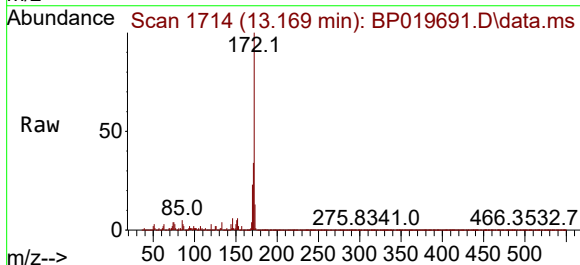
Instrument :
BNA_P
ClientSampleId :
ETGI-362

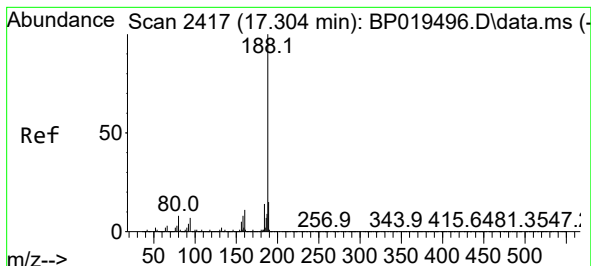
Tgt Ion:330 Resp: 308115
Ion Ratio Lower Upper
330 100
332 96.7 77.2 115.8
141 29.9 27.0 40.4



#45
2-Fluorobiphenyl
Concen: 52.133 ng
RT: 13.169 min Scan# 1714
Delta R.T. -0.012 min
Lab File: BP019691.D
Acq: 13 Feb 2024 22:48

Tgt Ion:172 Resp: 813828
Ion Ratio Lower Upper
172 100
171 34.5 28.2 42.4
170 23.0 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

Instrument :

BNA_P

ClientSampleId :

ETGI-362

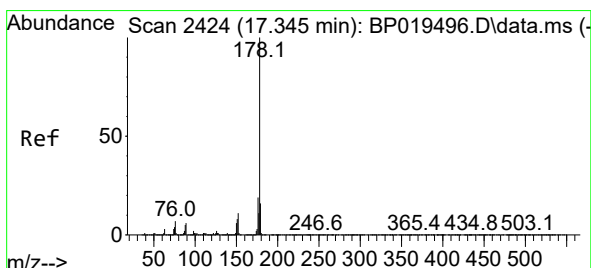
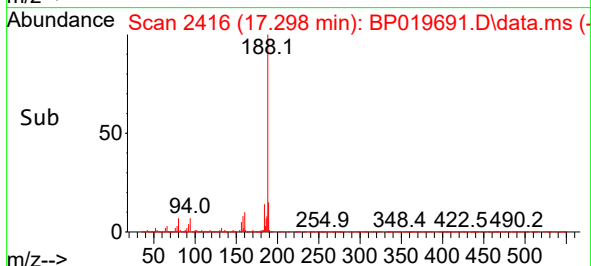
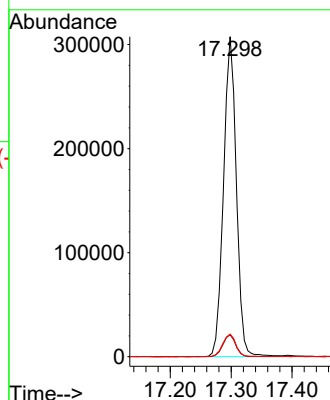
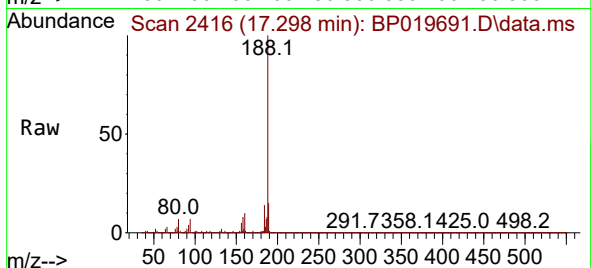
Tgt Ion:188 Resp: 449943

Ion Ratio Lower Upper

188 100

94 6.9 5.4 8.2

80 7.1 6.3 9.5



#71

Phenanthrene

Concen: 7.530 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

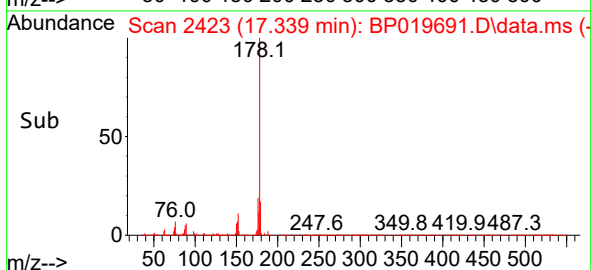
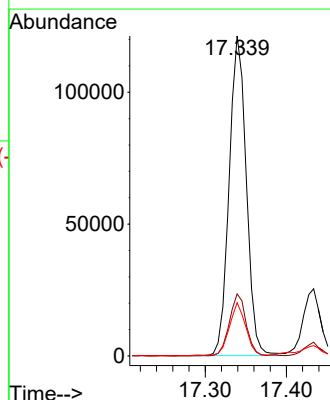
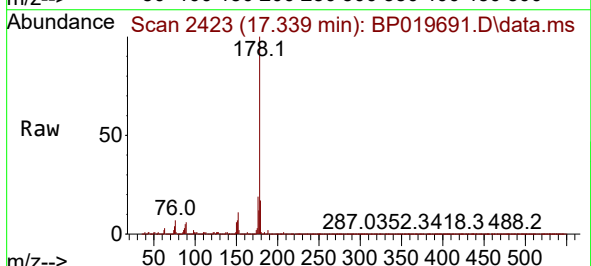
Tgt Ion:178 Resp: 178309

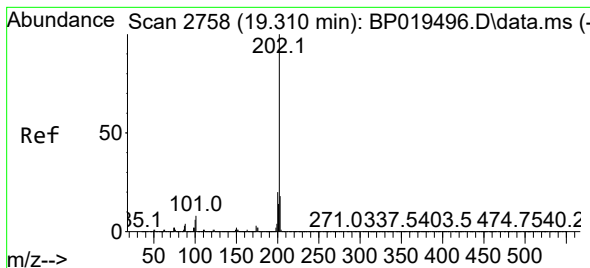
Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 16.6 12.6 19.0





#75

Fluoranthene

Concen: 16.344 ng

RT: 19.310 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

Instrument :

BNA_P

ClientSampleId :

ETGI-362

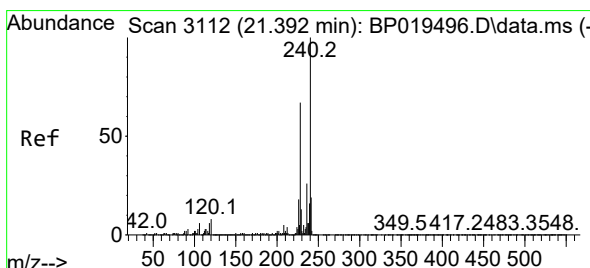
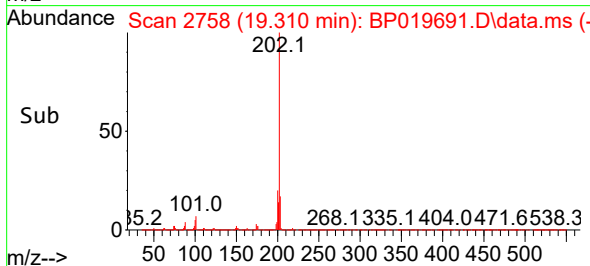
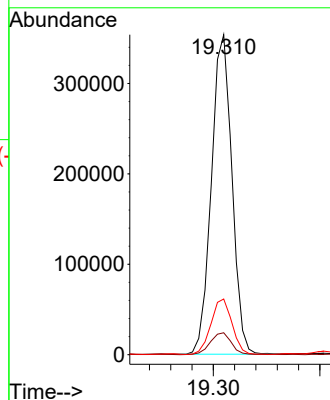
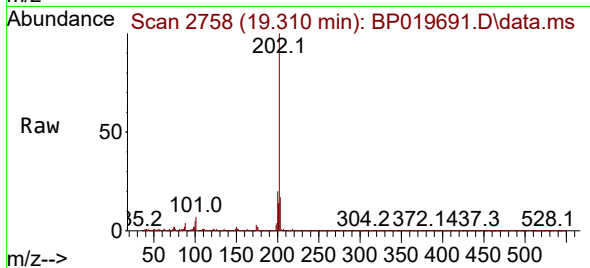
Tgt Ion:202 Resp: 472778

Ion Ratio Lower Upper

202 100

101 6.9 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: BP019691.D

Acq: 13 Feb 2024 22:48

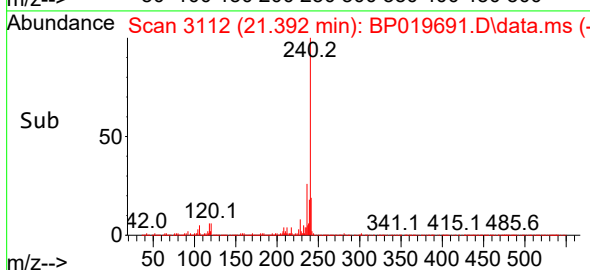
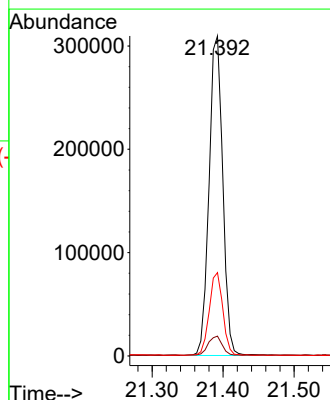
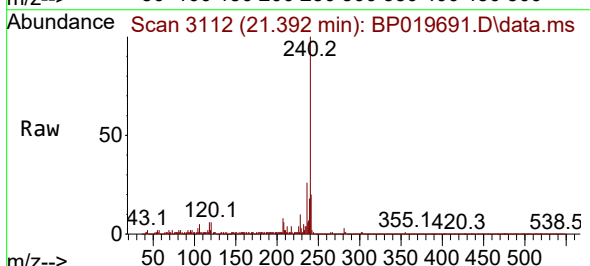
Tgt Ion:240 Resp: 415427

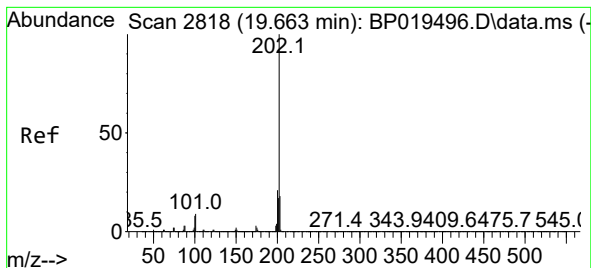
Ion Ratio Lower Upper

240 100

120 6.2 6.1 9.1

236 26.0 20.7 31.1





#78

Pyrene

Concen: 13.601 ng

RT: 19.663 min Scan# 2818

Delta R.T. 0.000 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

Instrument :

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ETGI-362

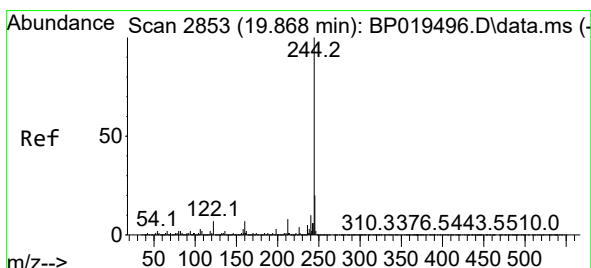
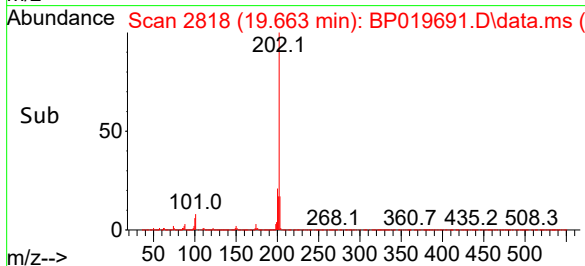
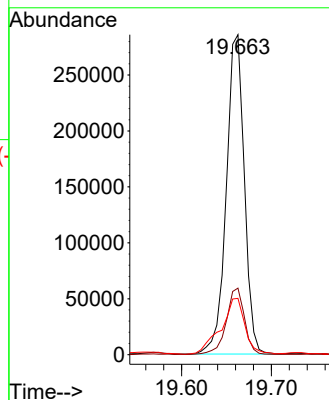
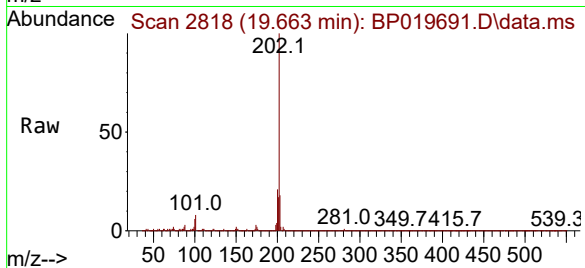
Tgt Ion:202 Resp: 398767

Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

203 17.6 14.2 21.2



#79

Terphenyl-d14

Concen: 54.678 ng

RT: 19.863 min Scan# 2852

Delta R.T. -0.006 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

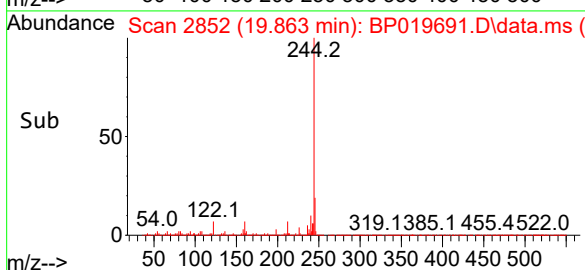
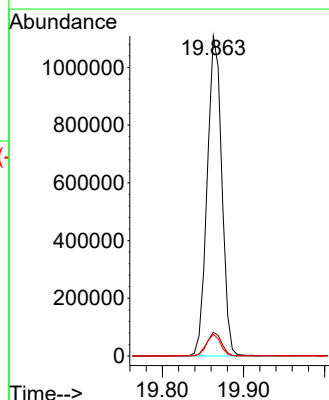
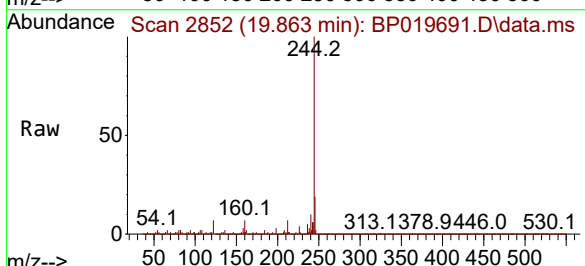
Tgt Ion:244 Resp: 1381216

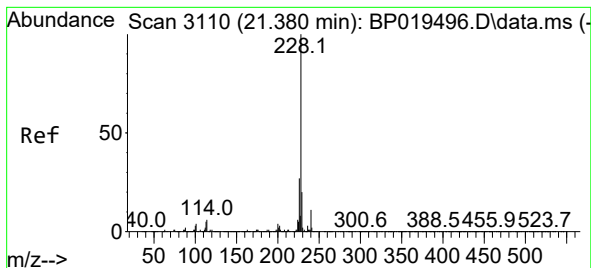
Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

122 6.8 5.9 8.9





#81

Benzo(a)anthracene

Concen: 7.356 ng

RT: 21.374 min Scan# 3109

Delta R.T. -0.006 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

Instrument :

BNA_P

ClientSampleId :

ETGI-362

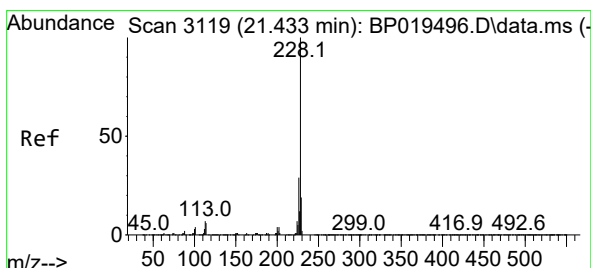
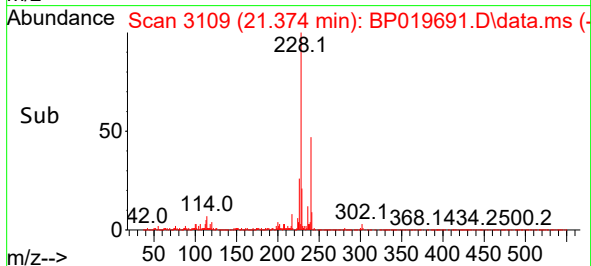
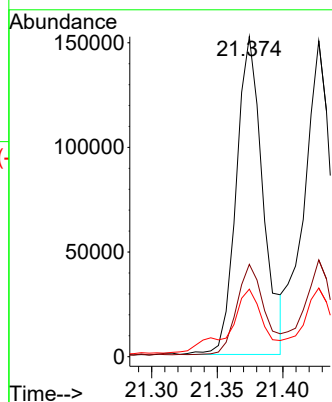
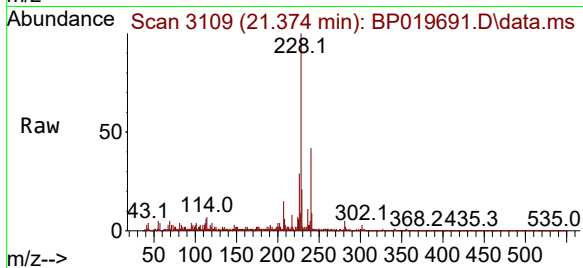
Tgt Ion:228 Resp: 215098

Ion Ratio Lower Upper

228 100

226 28.9 21.7 32.5

229 21.1 15.6 23.4



#83

Chrysene

Concen: 7.692 ng

RT: 21.427 min Scan# 3118

Delta R.T. -0.006 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

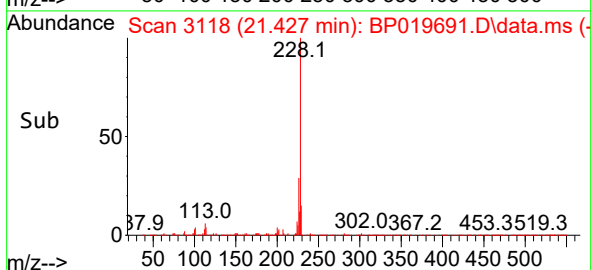
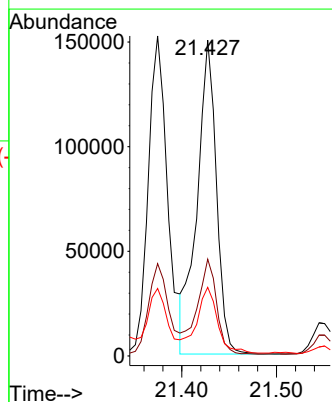
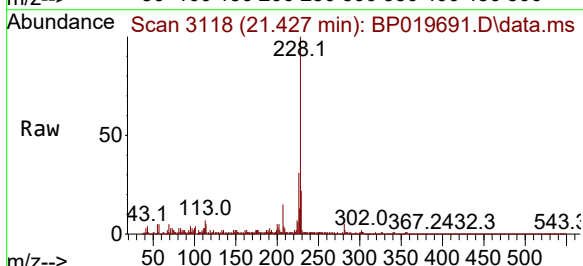
Tgt Ion:228 Resp: 213570

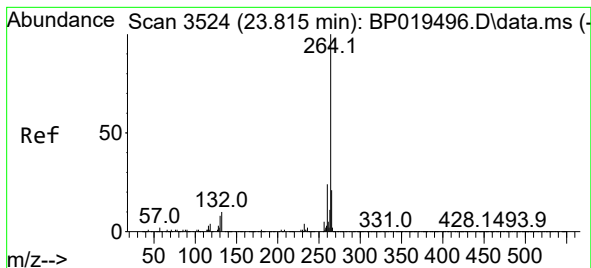
Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.2

229 21.8 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.810 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

Instrument :

BNA_P

ClientSampleId :

ETGI-362

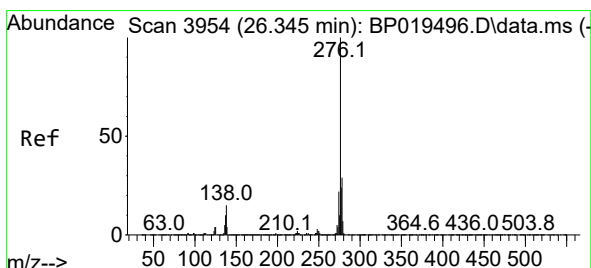
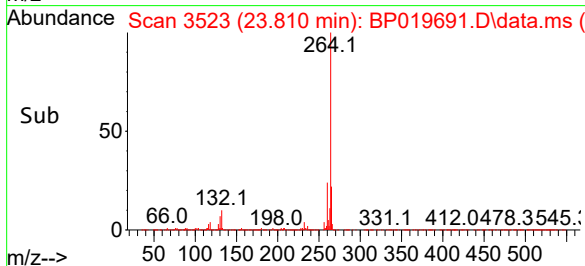
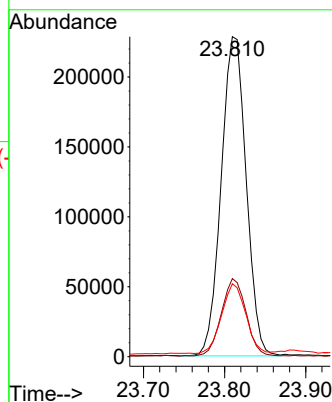
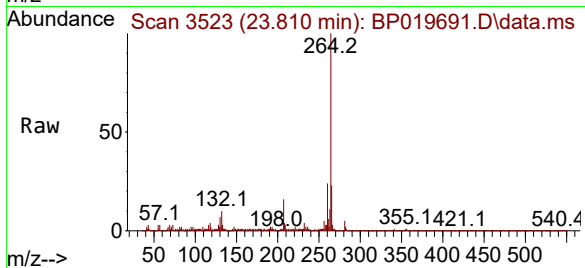
Tgt Ion:264 Resp: 488951

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 22.8 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.659 ng

RT: 26.339 min Scan# 3953

Delta R.T. -0.006 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

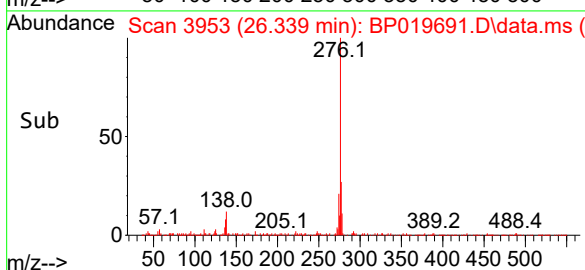
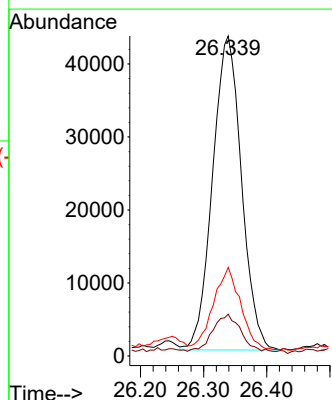
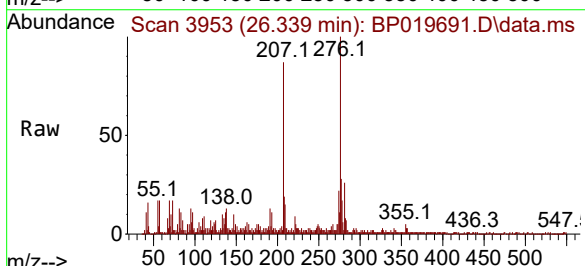
Tgt Ion:276 Resp: 136965

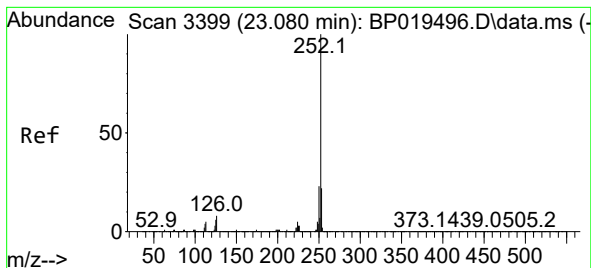
Ion Ratio Lower Upper

276 100

138 12.3 13.1 19.7#

277 24.7 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 9.746 ng

RT: 23.074 min Scan# 3398

Delta R.T. -0.006 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

Instrument :

BNA_P

ClientSampleId :

ETGI-362

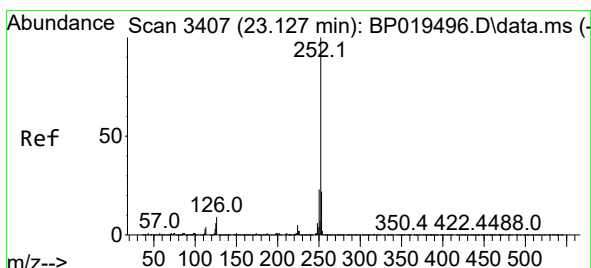
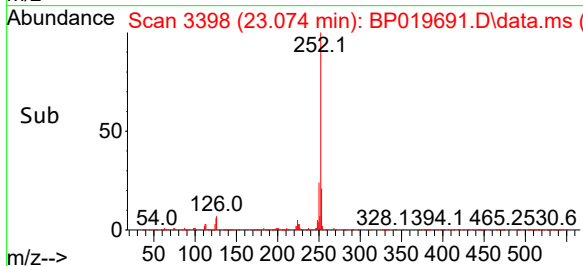
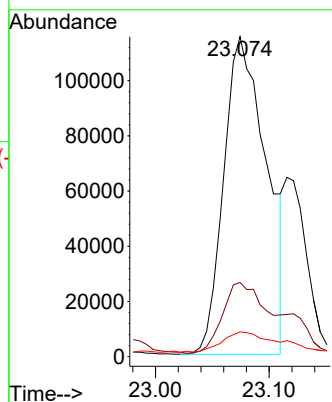
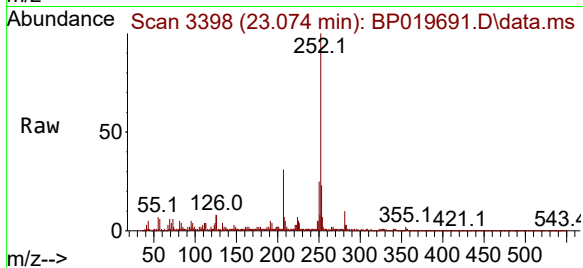
Tgt Ion:252 Resp: 300335

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

125 7.8 4.9 7.3#



#89

Benzo(k)fluoranthene

Concen: 10.203 ng

RT: 23.074 min Scan# 3398

Delta R.T. -0.053 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

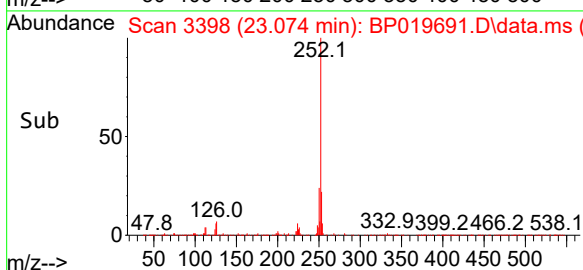
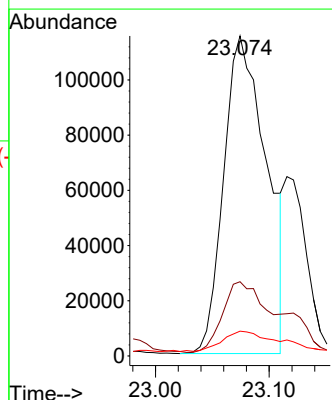
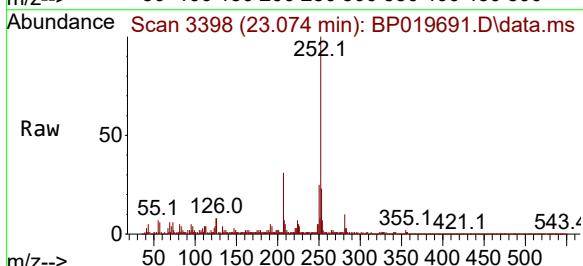
Tgt Ion:252 Resp: 300335

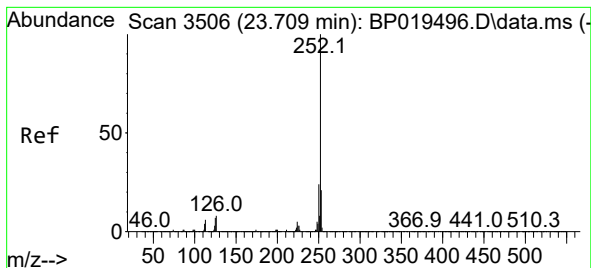
Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

125 7.8 5.0 7.6#





#90

Benzo(a)pyrene

Concen: 7.148 ng

RT: 23.704 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

Instrument :

BNA_P

ClientSampleId :

ETGI-362

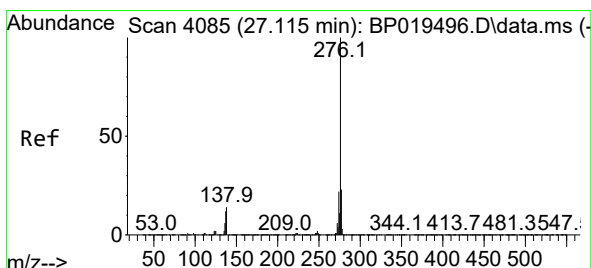
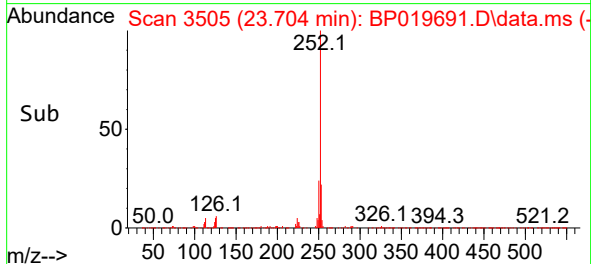
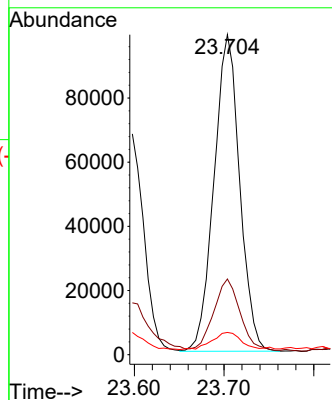
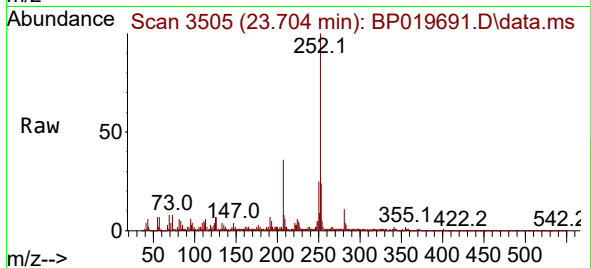
Tgt Ion:252 Resp: 195995

Ion Ratio Lower Upper

252 100

253 23.7 17.1 25.7

125 7.0 5.6 8.4



#92

Benzo(g,h,i)perylene

Concen: 4.092 ng

RT: 27.115 min Scan# 4085

Delta R.T. 0.000 min

Lab File: BP019691.D

Acq: 13 Feb 2024 22:48

Tgt Ion:276 Resp: 127804

Ion Ratio Lower Upper

276 100

277 25.0 18.6 28.0

138 11.9 10.9 16.3

