

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021224\
 Data File : BP019665.D
 Acq On : 12 Feb 2024 16:28
 Operator : MA/JU
 Sample : P1413-03DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ETGI-347DL

Quant Time: Feb 12 17:19:33 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)

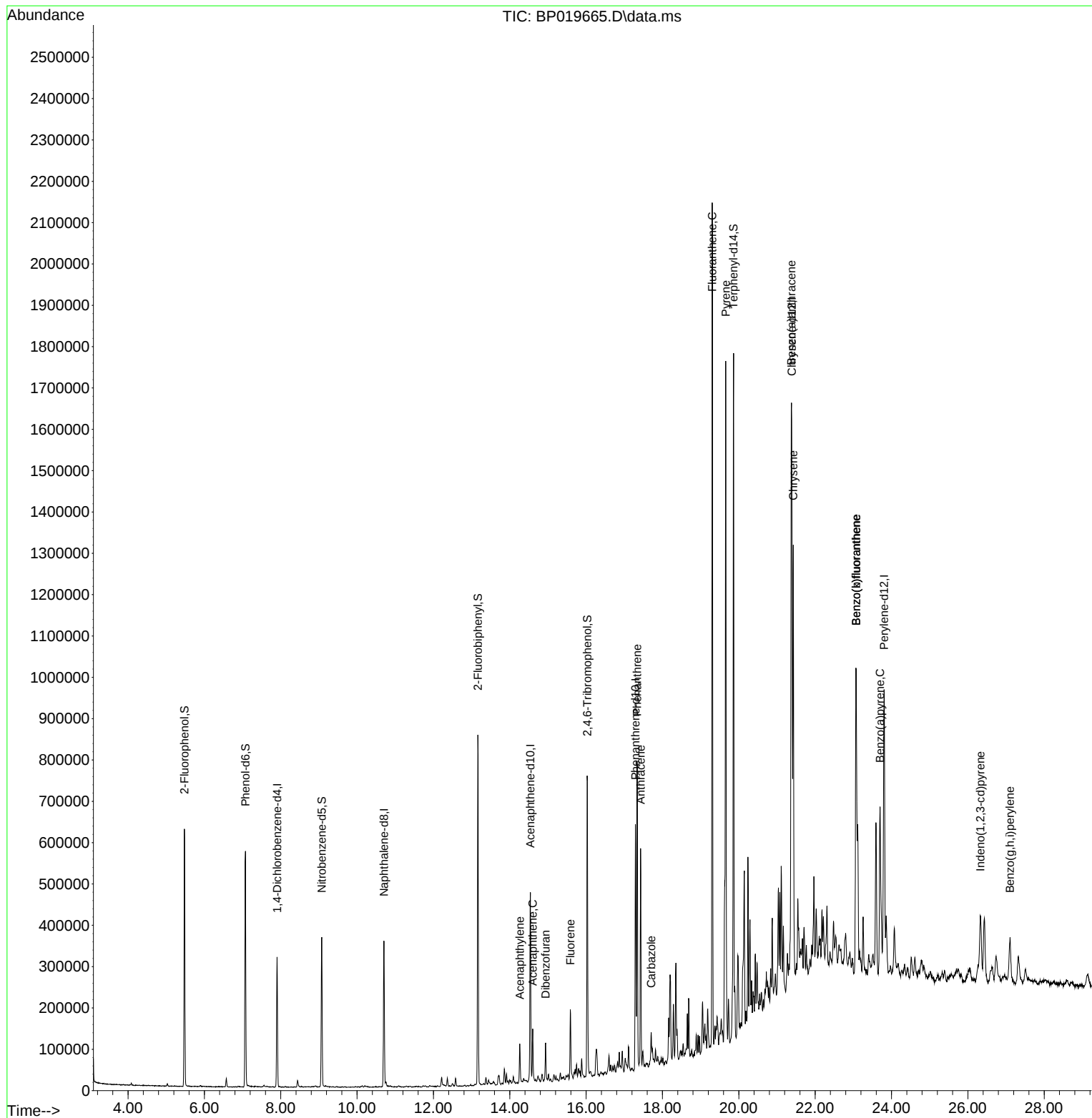
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	83803	20.000	ng	-0.01
21) Naphthalene-d8	10.705	136	283639	20.000	ng	-0.01
39) Acenaphthene-d10	14.540	164	164113	20.000	ng	-0.01
64) Phenanthrene-d10	17.292	188	368819	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	458858	20.000	ng	0.00
86) Perylene-d12	23.810	264	563027	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	257096	49.452	ng	0.00
7) Phenol-d6	7.075	99	321255	45.828	ng	-0.01
23) Nitrobenzene-d5	9.075	82	222764	34.032	ng	-0.01
42) 2,4,6-Tribromophenol	16.034	330	143826	60.023	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	451008	33.973	ng	-0.02
79) Terphenyl-d14	19.863	244	825764	29.595	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.263	152	77564	5.142	ng	100
52) Acenaphthene	14.604	154	46812	5.000	ng	100
55) Dibenzofuran	14.940	168	53439	3.504	ng	99
58) Fluorene	15.587	166	79006	6.505	ng	100
71) Phenanthrene	17.334	178	475309	24.488	ng	99
72) Anthracene	17.428	178	345048	17.821	ng	100
73) Carbazole	17.704	167	47177	2.682	ng	98
75) Fluoranthene	19.304	202	1220895	51.491	ng	99
78) Pyrene	19.657	202	1044194	32.244	ng	99
81) Benzo(a)anthracene	21.375	228	636000	19.690	ng	96
83) Chrysene	21.427	228	701892	22.888	ng	98
87) Indeno(1,2,3-cd)pyrene	26.327	276	182619	4.237	ng	96
88) Benzo(b)fluoranthene	23.074	252	726874	20.484	ng	97
89) Benzo(k)fluoranthene	23.074	252	726874	21.444	ng	97
90) Benzo(a)pyrene	23.698	252	351241	11.125	ng	97
92) Benzo(g,h,i)perylene	27.104	276	156710	4.358	ng	97

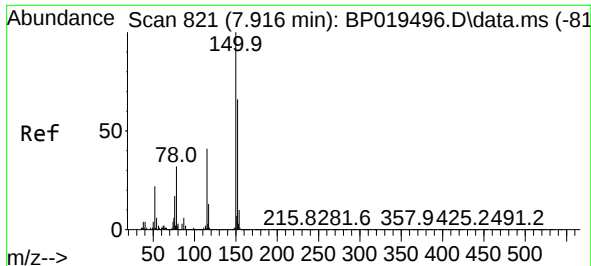
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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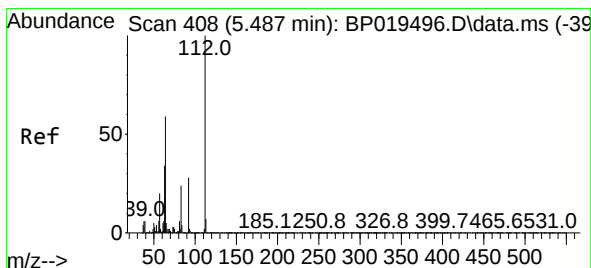
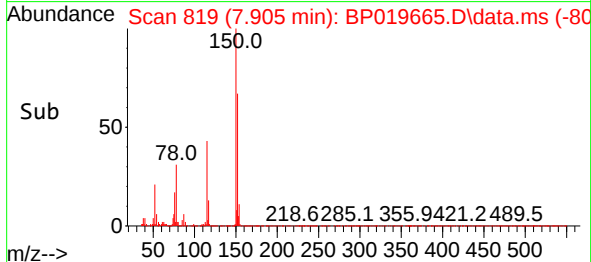
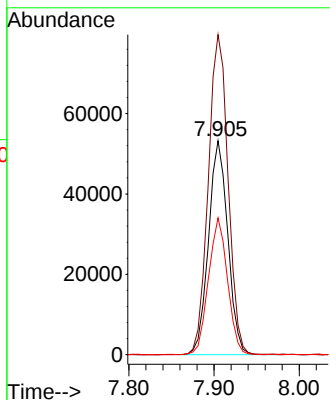
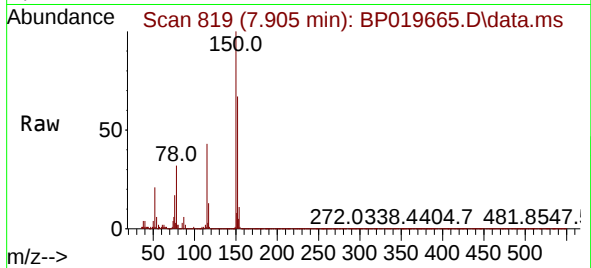




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

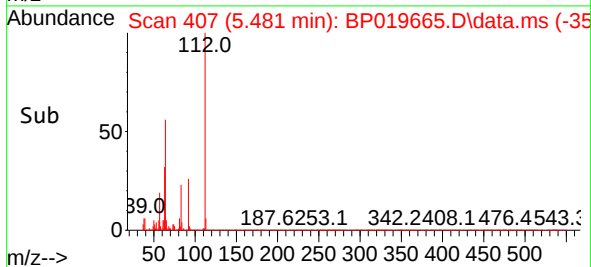
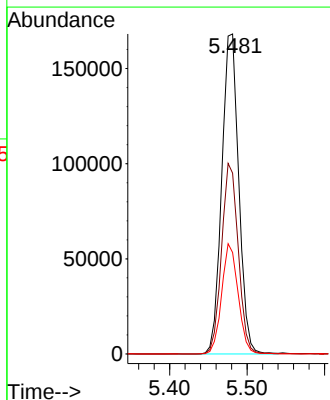
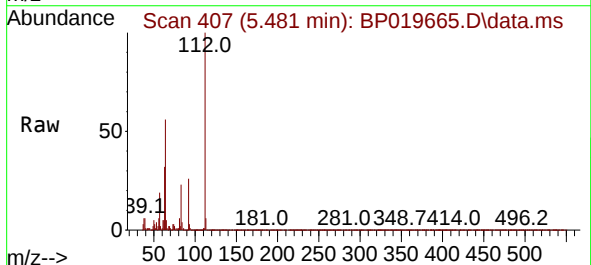
Instrument :
BNA_P
ClientSampleId :
ETGI-347DL

Tgt Ion:152 Resp: 83803
Ion Ratio Lower Upper
152 100
150 149.6 121.8 182.8
115 63.9 49.9 74.9



#5
2-Fluorophenol
Concen: 49.452 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.006 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

Tgt Ion:112 Resp: 257096
Ion Ratio Lower Upper
112 100
64 56.5 47.4 71.0
63 31.7 27.0 40.6

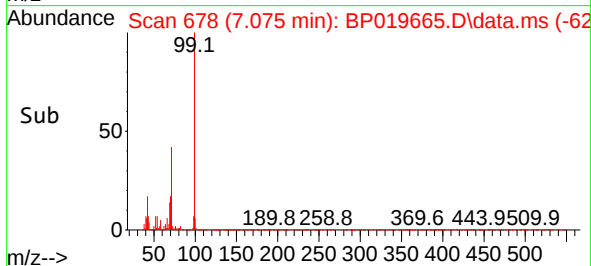
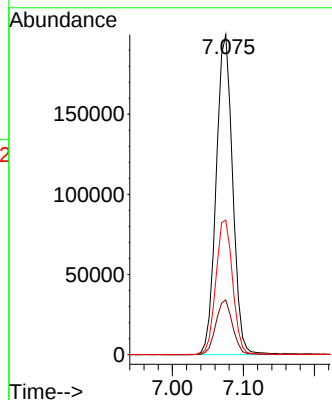
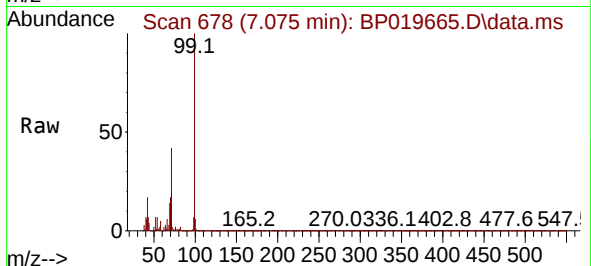




#7
Phenol-d6
Concen: 45.828 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.011 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

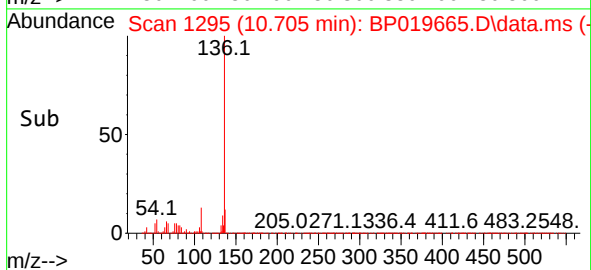
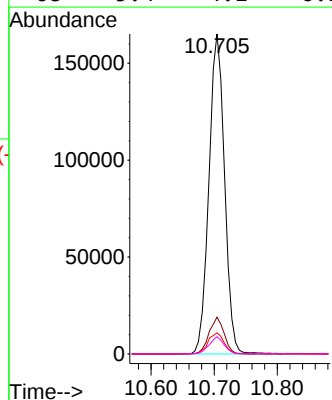
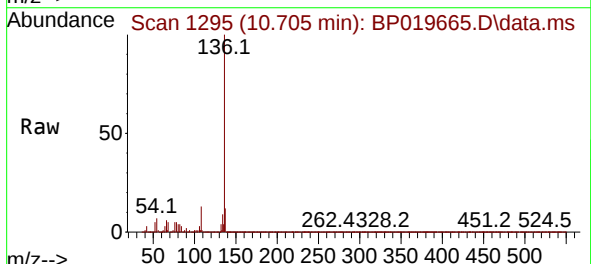
Instrument :
BNA_P
ClientSampleId :
ETGI-347DL

Tgt Ion: 99 Resp: 321255
Ion Ratio Lower Upper
99 100
42 17.1 14.7 22.1
71 42.0 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.705 min Scan# 1295
Delta R.T. -0.011 min
Lab File: BP019665.D
Acq: 12 Feb 2024 16:28

Tgt Ion: 136 Resp: 283639
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 6.6 5.3 7.9
68 5.4 4.1 6.1





#23

Nitrobenzene-d5

Concen: 34.032 ng

RT: 9.075 min Scan# 1018

Delta R.T. -0.011 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

Instrument :

BNA_P

ClientSampleId :

ETGI-347DL

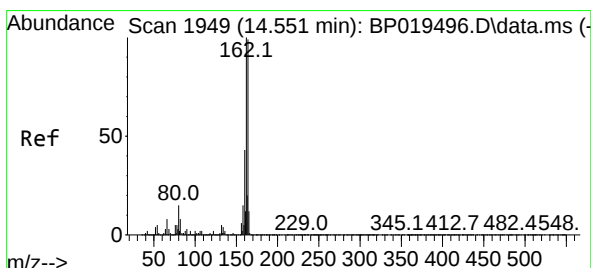
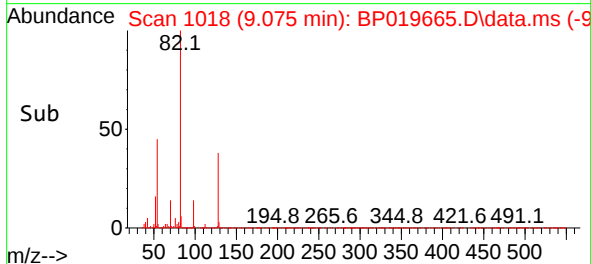
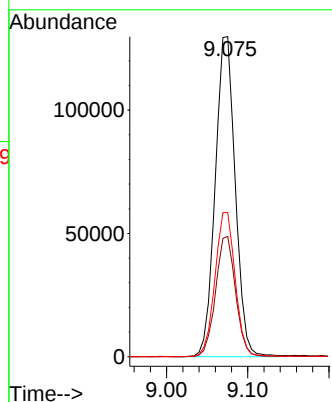
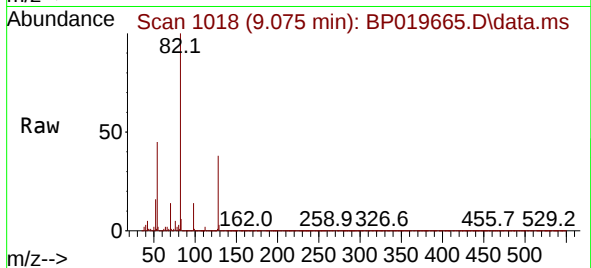
Tgt Ion: 82 Resp: 222764

Ion Ratio Lower Upper

82 100

128 37.6 29.7 44.5

54 45.0 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: BP019665.D

Acq: 12 Feb 2024 16:28

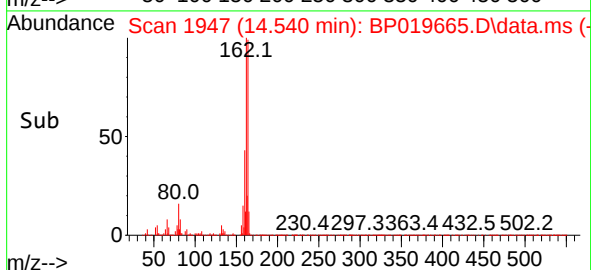
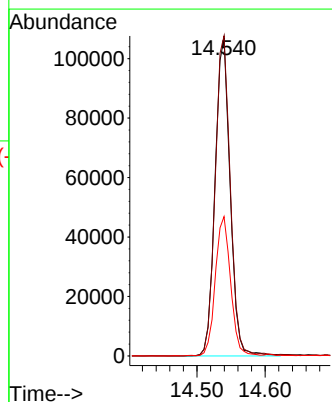
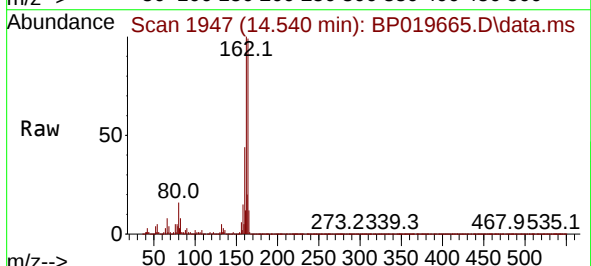
Tgt Ion: 164 Resp: 164113

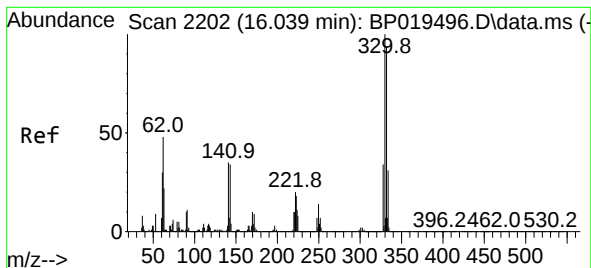
Ion Ratio Lower Upper

164 100

162 100.6 81.2 121.8

160 43.8 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 60.023 ng

RT: 16.034 min Scan# 21

Delta R.T. -0.005 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

Instrument :

BNA_P

ClientSampleId :

ETGI-347DL

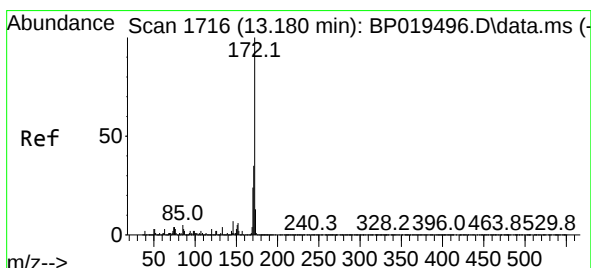
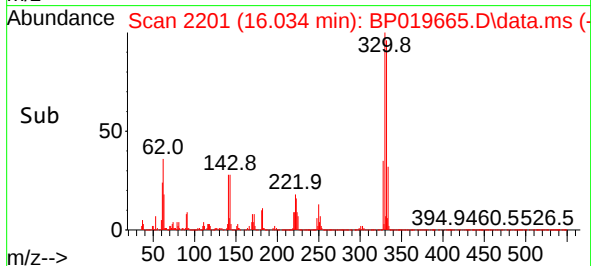
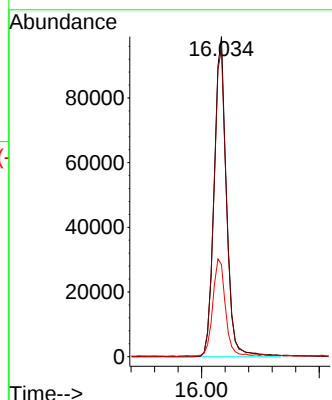
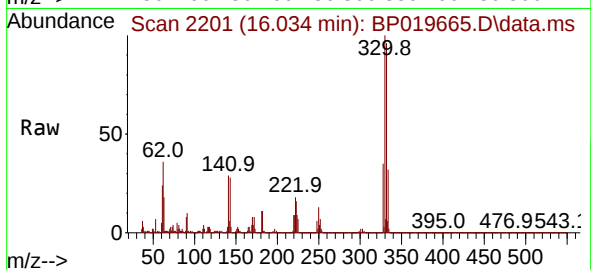
Tgt Ion:330 Resp: 143826

Ion Ratio Lower Upper

330 100

332 98.3 77.2 115.8

141 30.7 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 33.973 ng

RT: 13.163 min Scan# 1713

Delta R.T. -0.017 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

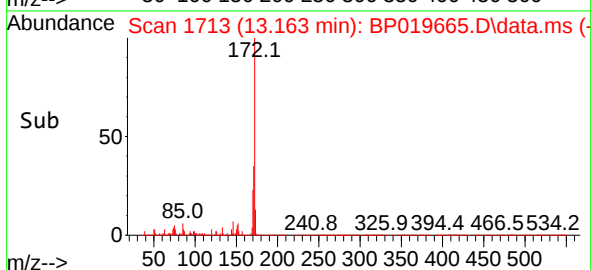
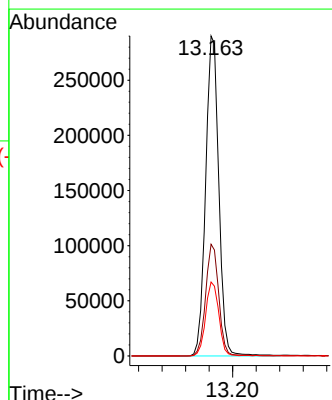
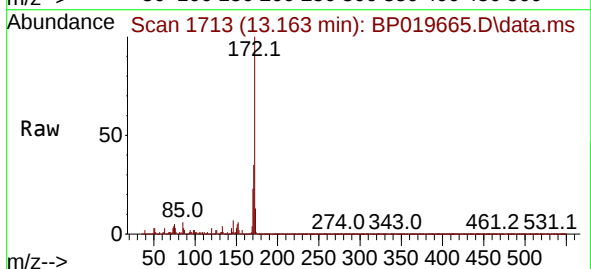
Tgt Ion:172 Resp: 451008

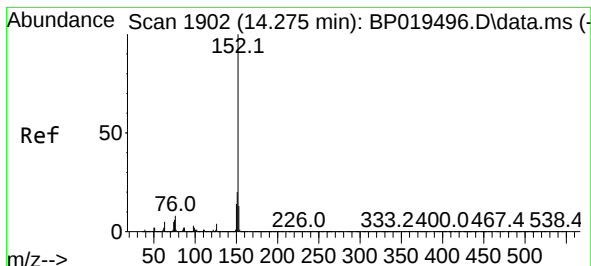
Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 23.1 18.9 28.3





#49

Acenaphthylene

Concen: 5.142 ng

RT: 14.263 min Scan# 1902

Delta R.T. -0.011 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

Instrument :

BNA_P

ClientSampleId :

ETGI-347DL

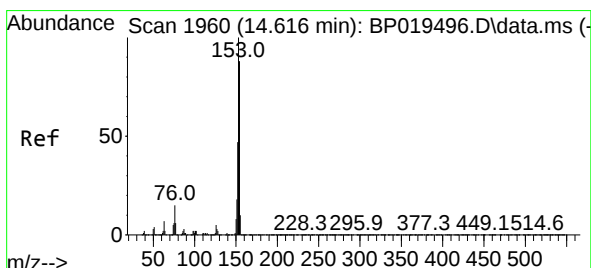
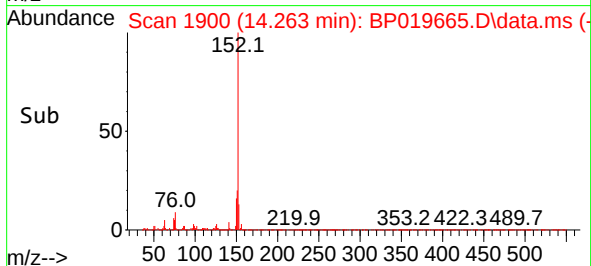
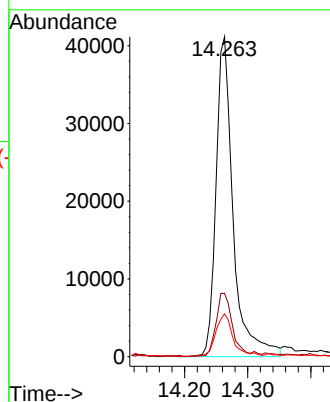
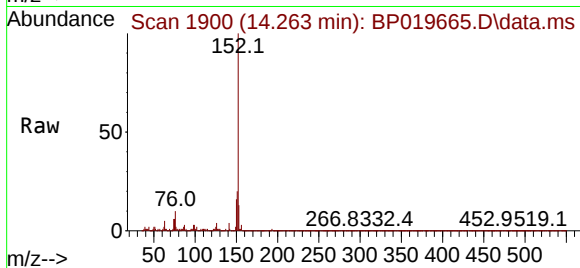
Tgt Ion:152 Resp: 77564

Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.6

153 13.4 10.6 15.8



#52

Acenaphthene

Concen: 5.000 ng

RT: 14.604 min Scan# 1958

Delta R.T. -0.011 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

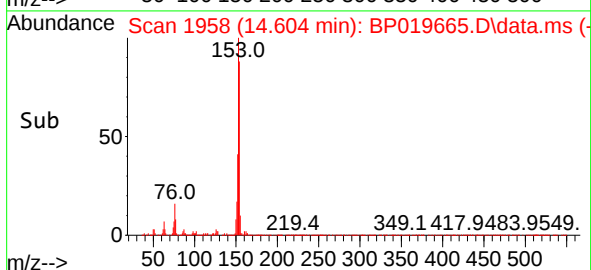
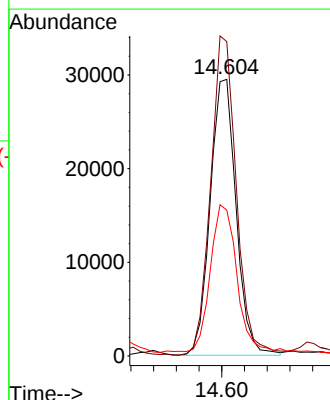
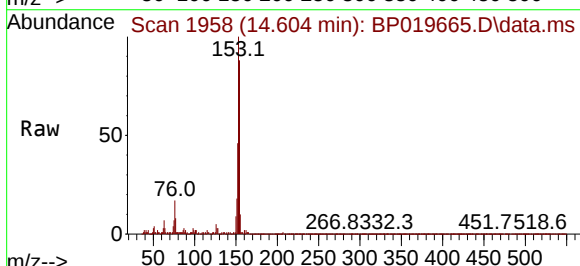
Tgt Ion:154 Resp: 46812

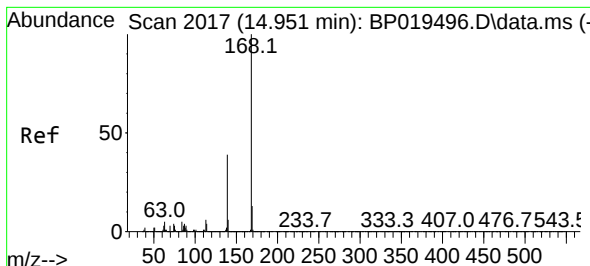
Ion Ratio Lower Upper

154 100

153 113.6 90.5 135.7

152 52.7 42.1 63.1





#55

Dibenzenofuran

Concen: 3.504 ng

RT: 14.940 min Scan# 2017

Delta R.T. -0.011 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

Instrument :

BNA_P

ClientSampleId :

ETGI-347DL

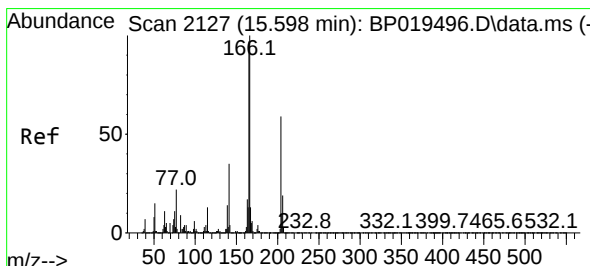
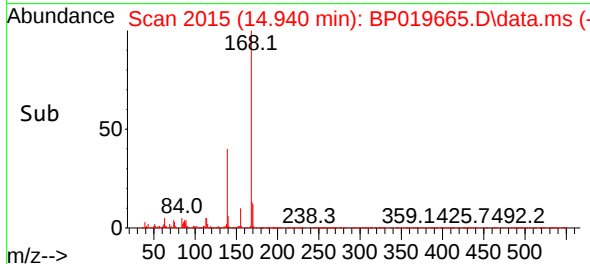
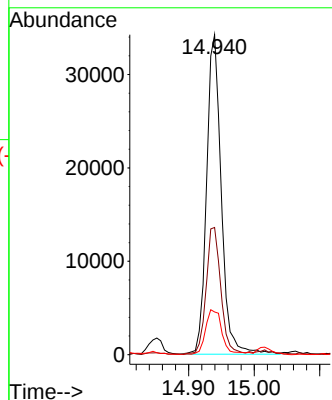
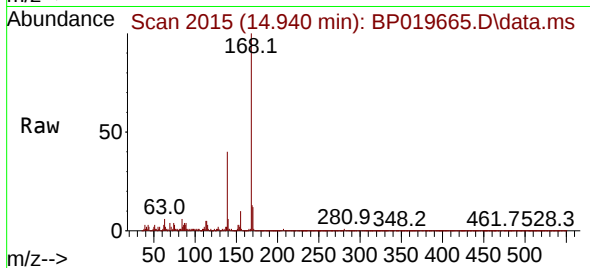
Tgt Ion:168 Resp: 53439

Ion Ratio Lower Upper

168 100

139 39.7 31.5 47.3

169 13.4 10.3 15.5



#58

Fluorene

Concen: 6.505 ng

RT: 15.587 min Scan# 2125

Delta R.T. -0.011 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

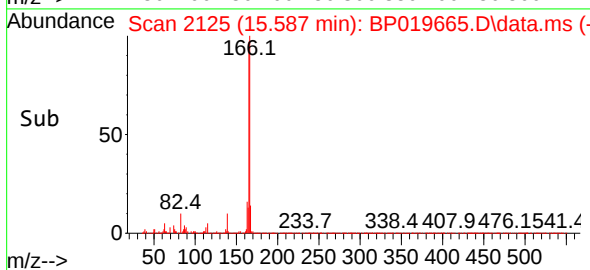
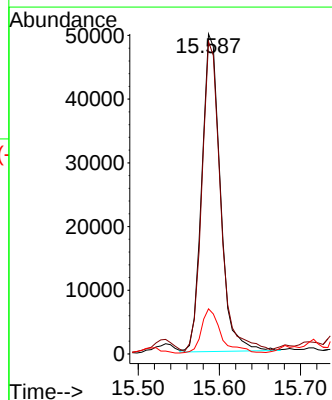
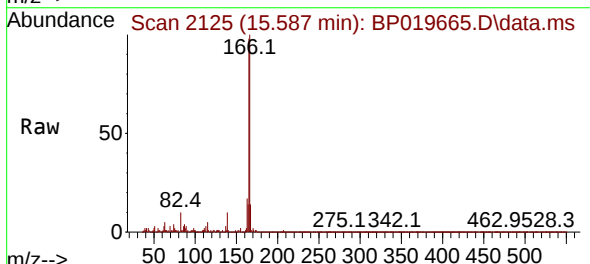
Tgt Ion:166 Resp: 79006

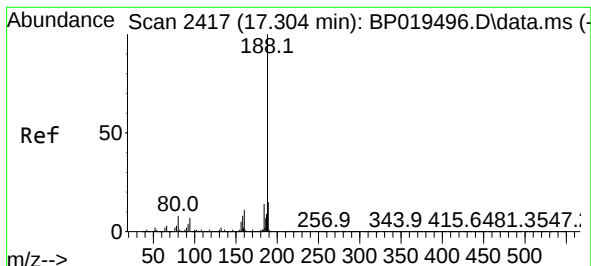
Ion Ratio Lower Upper

166 100

165 97.6 77.8 116.8

167 14.1 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.292 min Scan# 2415

Delta R.T. -0.012 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

Instrument :

BNA_P

ClientSampleId :

ETGI-347DL

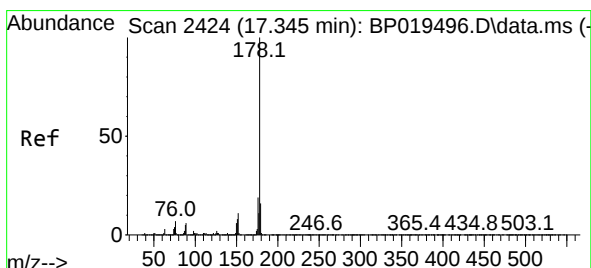
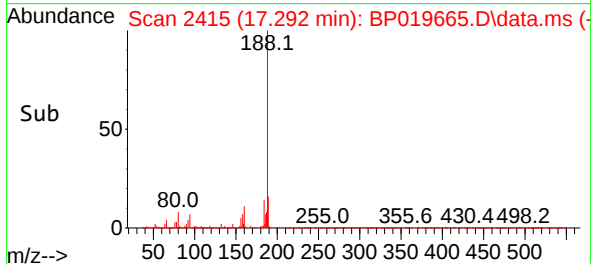
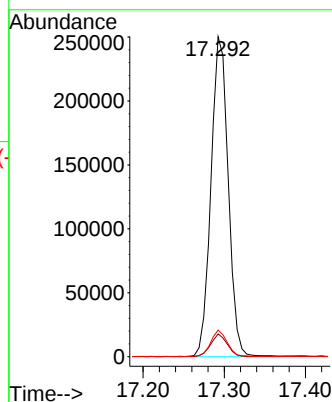
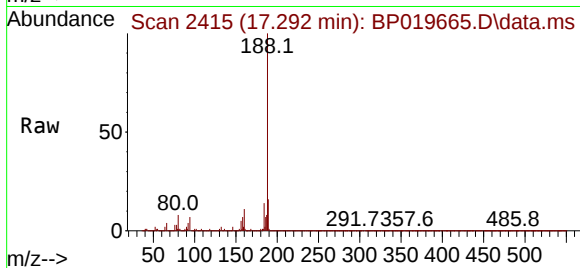
Tgt Ion:188 Resp: 368819

Ion Ratio Lower Upper

188 100

94 7.1 5.4 8.2

80 8.3 6.3 9.5



#71

Phenanthrene

Concen: 24.488 ng

RT: 17.334 min Scan# 2422

Delta R.T. -0.011 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

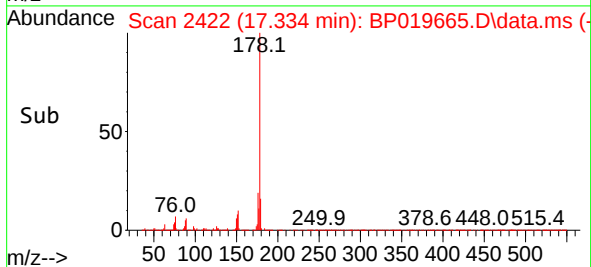
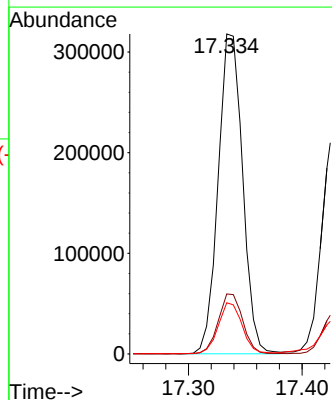
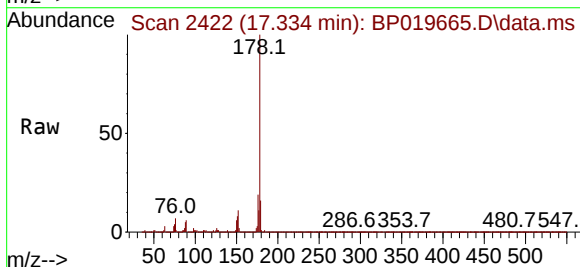
Tgt Ion:178 Resp: 475309

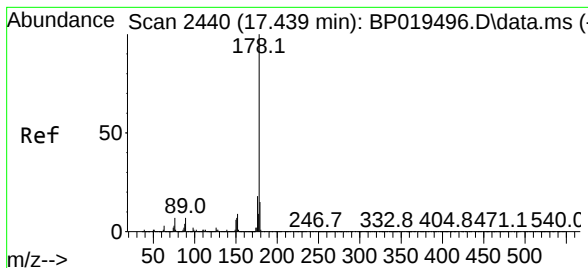
Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

179 16.0 12.6 19.0





#72

Anthracene

Concen: 17.821 ng

RT: 17.428 min Scan# 2440

Delta R.T. -0.011 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

Instrument :

BNA_P

ClientSampleId :

ETGI-347DL

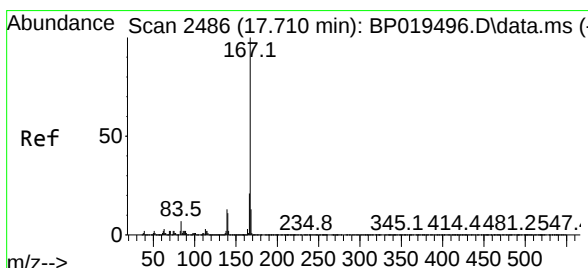
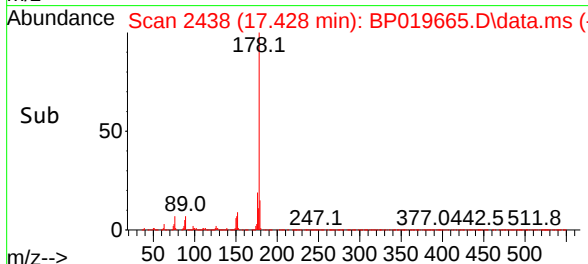
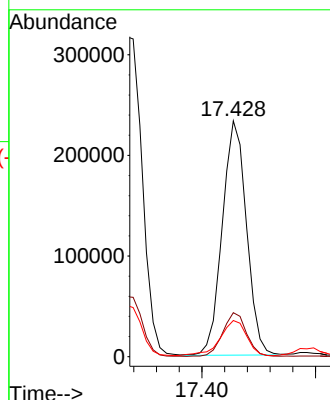
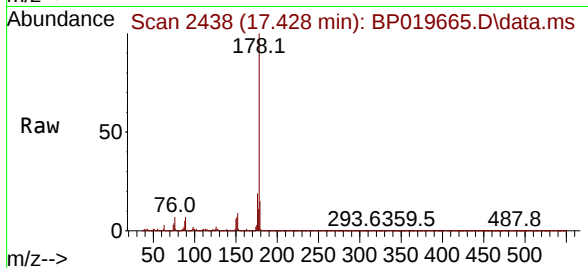
Tgt Ion:178 Resp: 345048

Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

179 15.4 12.2 18.2



#73

Carbazole

Concen: 2.682 ng

RT: 17.704 min Scan# 2485

Delta R.T. -0.006 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

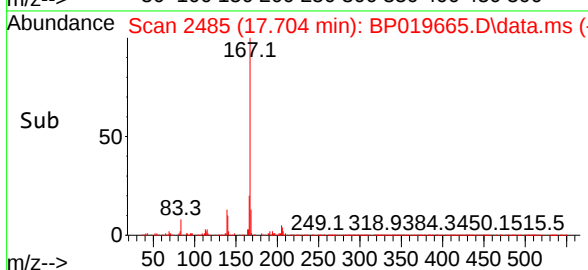
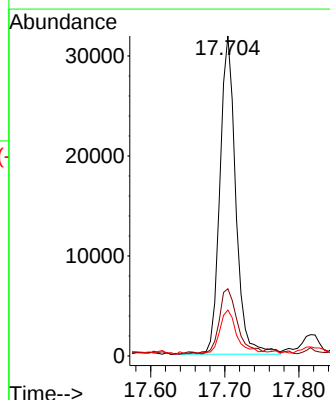
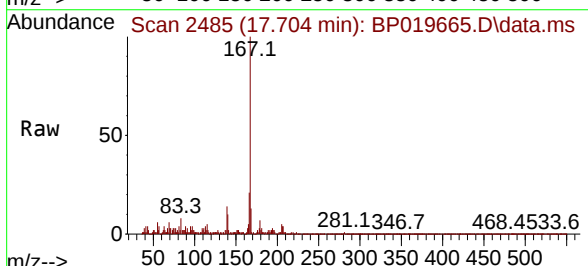
Tgt Ion:167 Resp: 47177

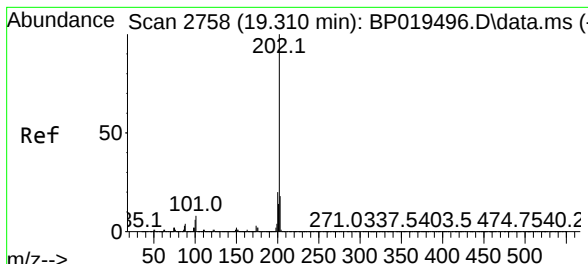
Ion Ratio Lower Upper

167 100

166 21.0 17.2 25.8

139 14.4 10.6 15.8



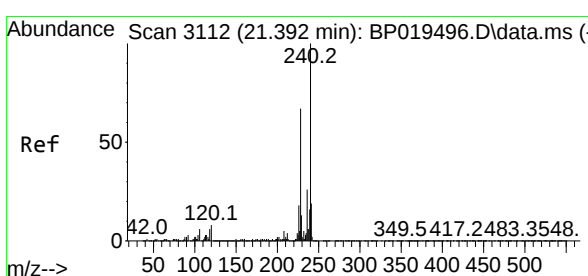
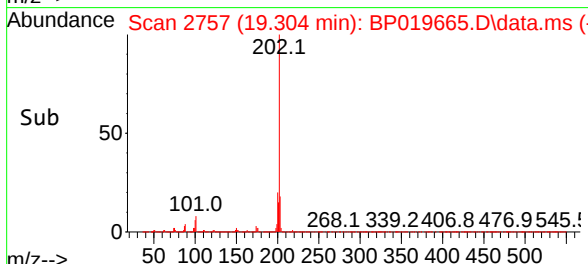
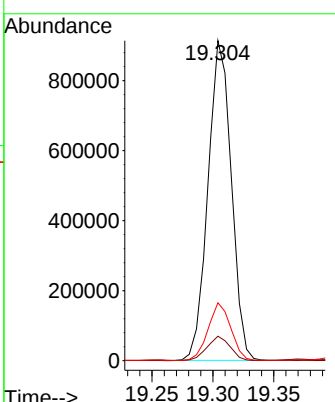
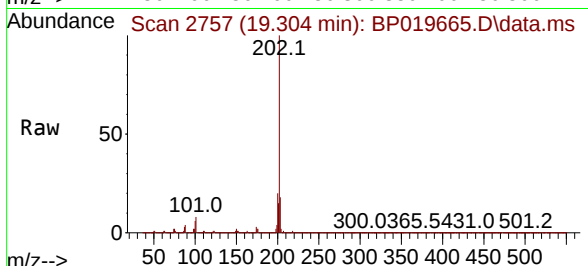


#75
 Fluoranthene
 Concen: 51.491 ng
 RT: 19.304 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP019665.D
 Acq: 12 Feb 2024 16:28

Instrument :
 BNA_P
 ClientSampleId :
 ETGI-347DL

Tgt Ion: 202 Resp: 1220895

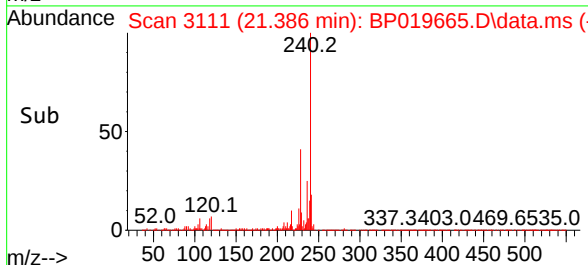
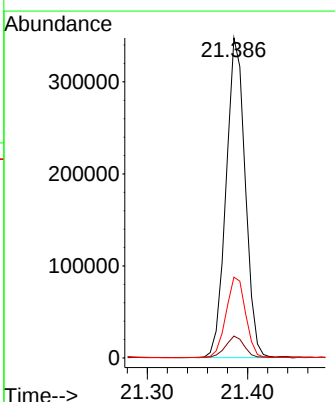
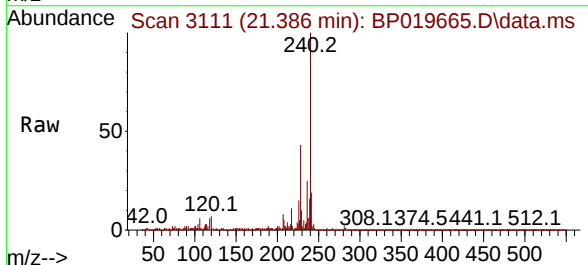
Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	27.7
203	18.1	0.0	37.5

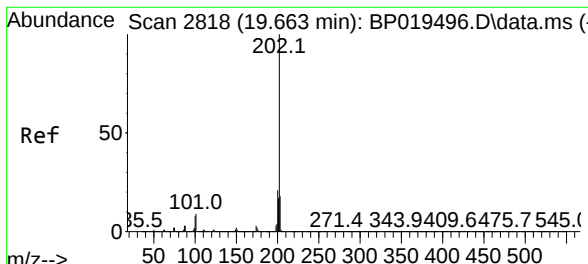


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.386 min Scan# 3111
 Delta R.T. -0.006 min
 Lab File: BP019665.D
 Acq: 12 Feb 2024 16:28

Tgt Ion: 240 Resp: 458858

Ion	Ratio	Lower	Upper
240	100		
120	6.8	6.1	9.1
236	25.3	20.7	31.1



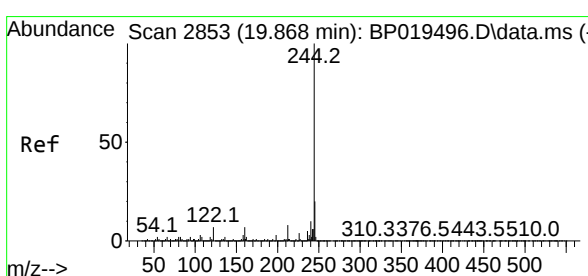
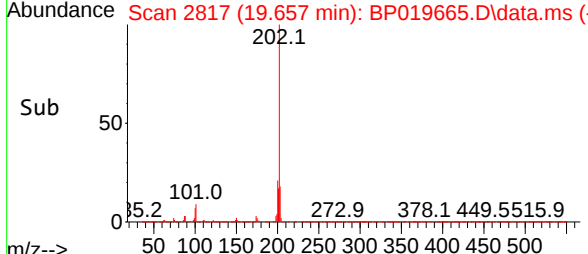
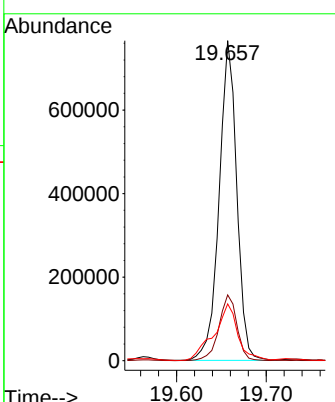
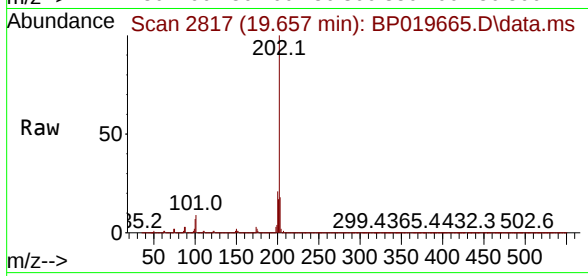


#78
 Pyrene
 Concen: 32.244 ng
 RT: 19.657 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP019665.D
 Acq: 12 Feb 2024 16:28

Instrument :
 BNA_P
 ClientSampleId :
 ETGI-347DL

Tgt Ion:202 Resp: 1044194

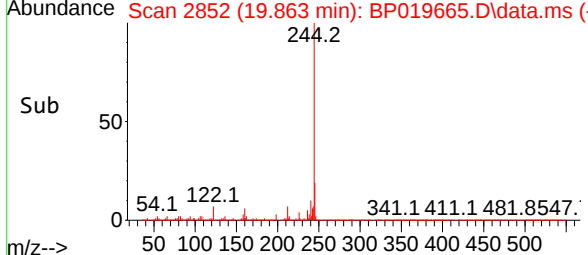
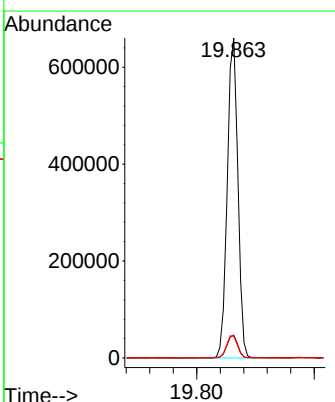
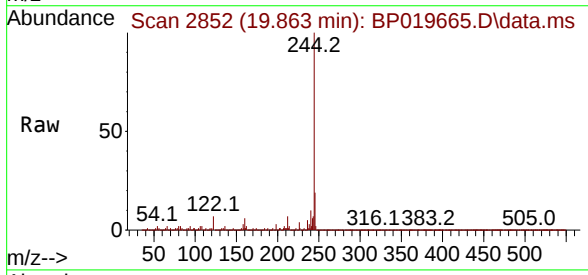
Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.9	25.3
203	17.7	14.2	21.2

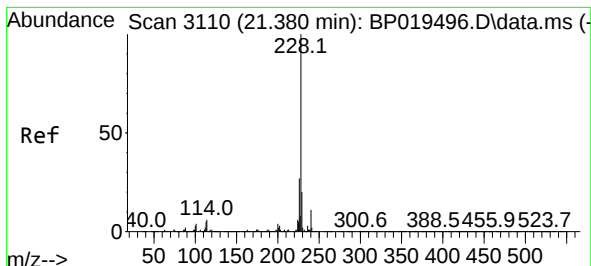


#79
 Terphenyl-d14
 Concen: 29.595 ng
 RT: 19.863 min Scan# 2852
 Delta R.T. -0.006 min
 Lab File: BP019665.D
 Acq: 12 Feb 2024 16:28

Tgt Ion:244 Resp: 825764

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	6.8	5.9	8.9





#81

Benzo(a)anthracene

Concen: 19.690 ng

RT: 21.375 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

Instrument :

BNA_P

ClientSampleId :

ETGI-347DL

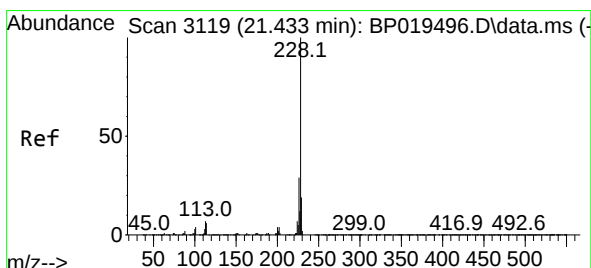
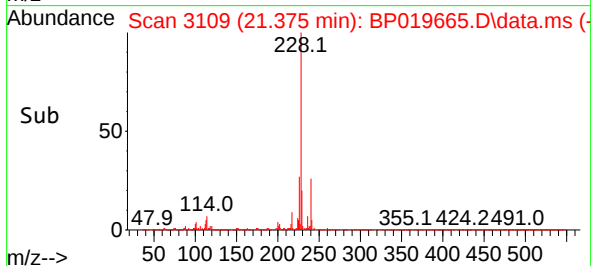
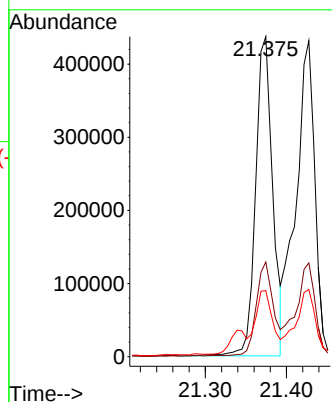
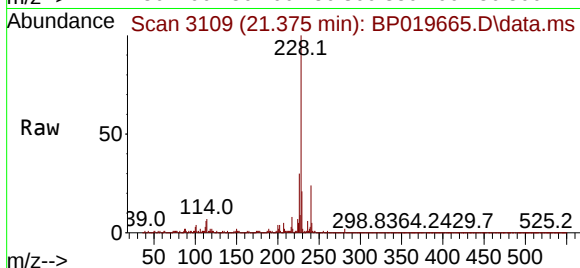
Tgt Ion:228 Resp: 636000

Ion Ratio Lower Upper

228 100

226 29.6 21.7 32.5

229 20.7 15.6 23.4



#83

Chrysene

Concen: 22.888 ng

RT: 21.427 min Scan# 3118

Delta R.T. -0.006 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

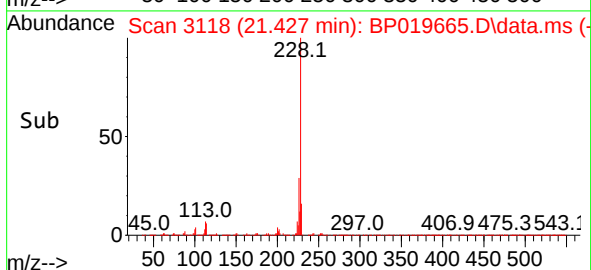
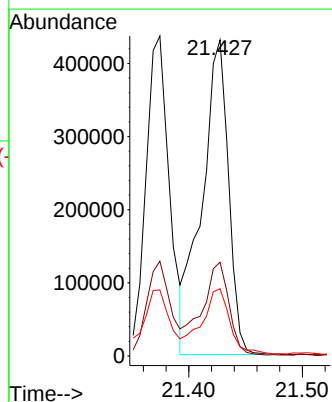
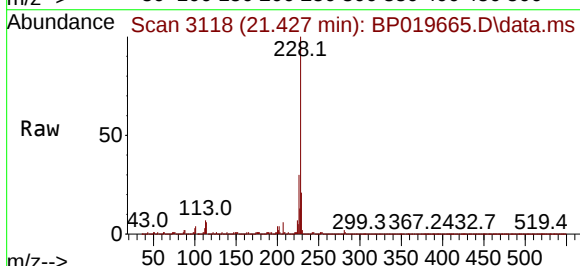
Tgt Ion:228 Resp: 701892

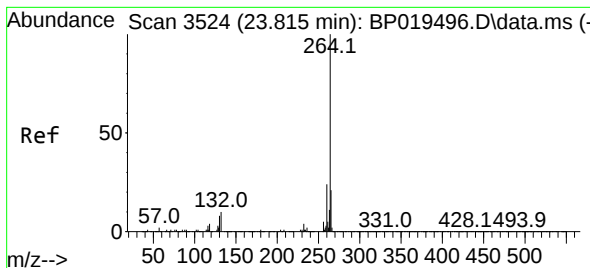
Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.2

229 21.3 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.810 min Scan# 3524

Delta R.T. -0.006 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

Instrument :

BNA_P

ClientSampleId :

ETGI-347DL

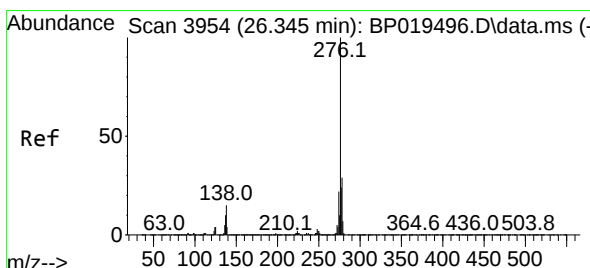
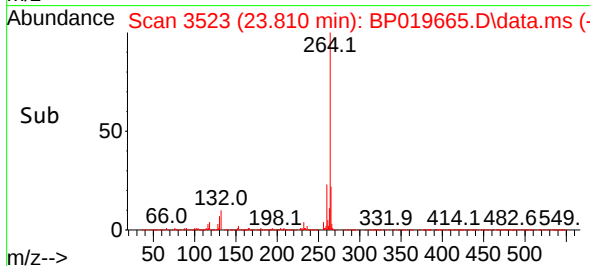
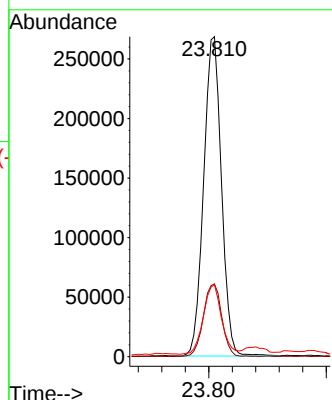
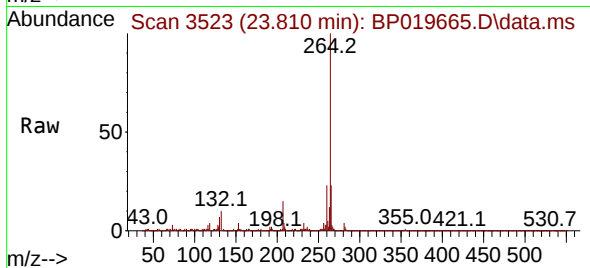
Tgt Ion:264 Resp: 563027

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 22.6 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.237 ng

RT: 26.327 min Scan# 3951

Delta R.T. -0.017 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

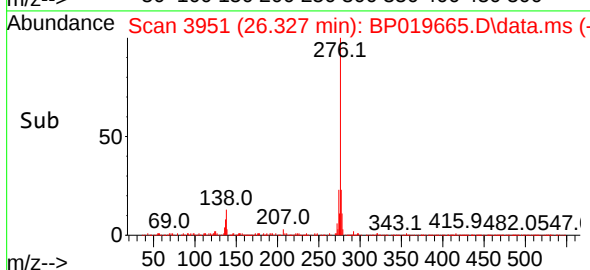
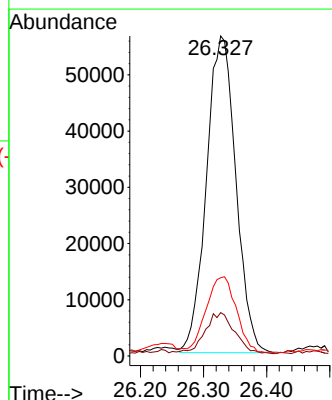
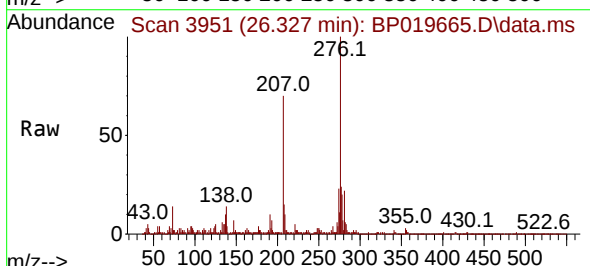
Tgt Ion:276 Resp: 182619

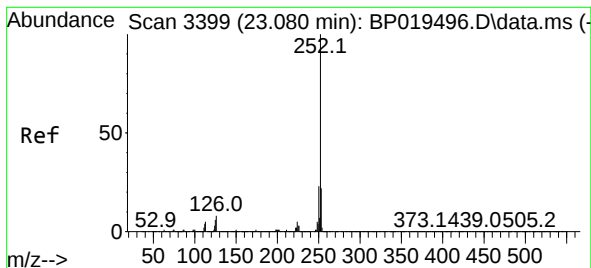
Ion Ratio Lower Upper

276 100

138 13.2 13.1 19.7

277 24.9 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 20.484 ng

RT: 23.074 min Scan# 3398

Delta R.T. -0.006 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

Instrument :

BNA_P

ClientSampleId :

ETGI-347DL

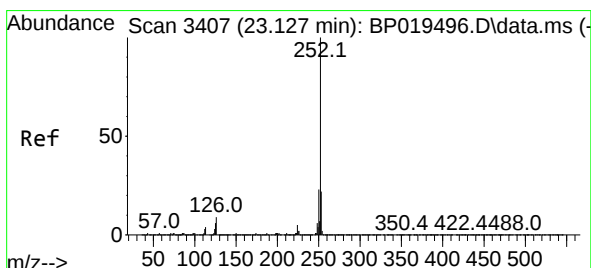
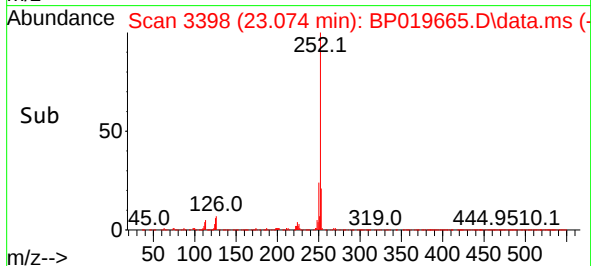
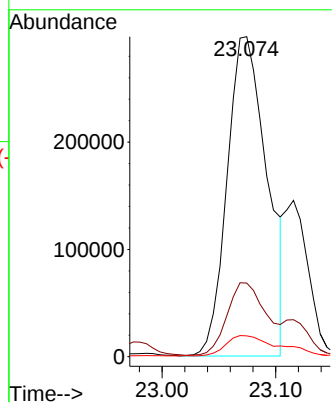
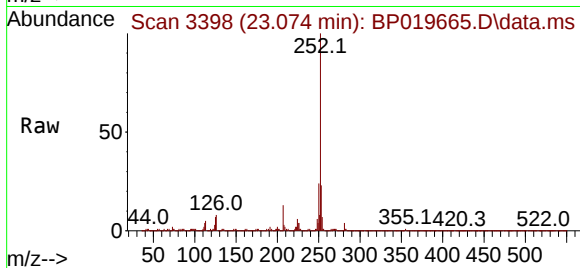
Tgt Ion:252 Resp: 726874

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

125 6.5 4.9 7.3



#89

Benzo(k)fluoranthene

Concen: 21.444 ng

RT: 23.074 min Scan# 3398

Delta R.T. -0.053 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

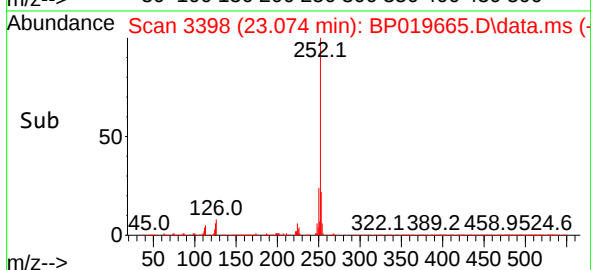
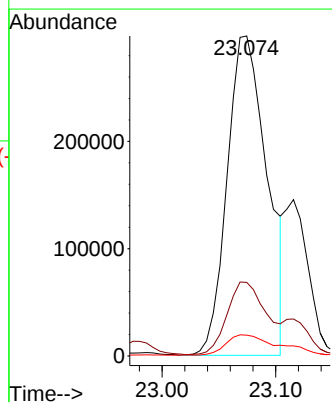
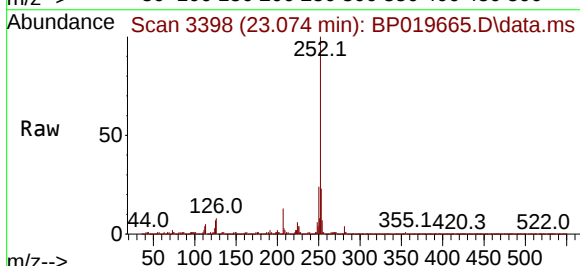
Tgt Ion:252 Resp: 726874

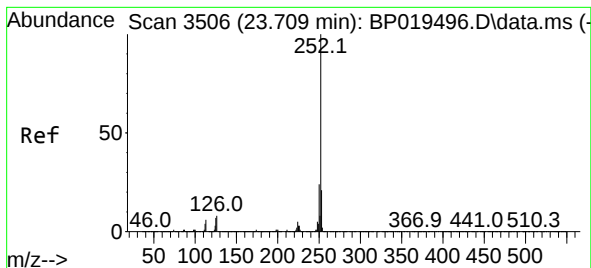
Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

125 6.5 5.0 7.6





#90

Benzo(a)pyrene

Concen: 11.125 ng

RT: 23.698 min Scan# 3504

Delta R.T. -0.011 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

Instrument :

BNA_P

ClientSampleId :

ETGI-347DL

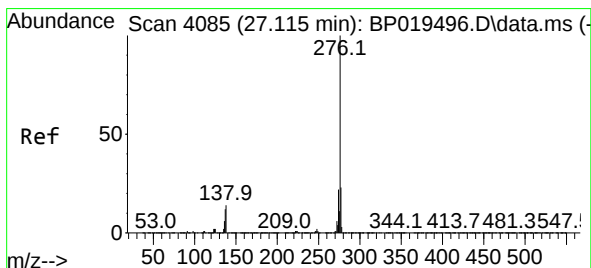
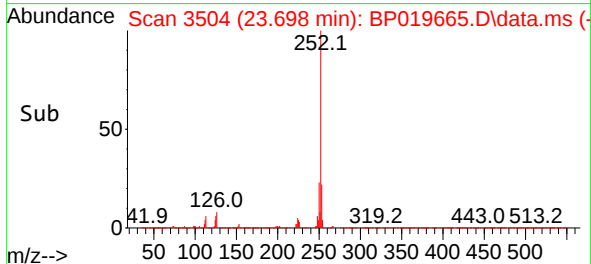
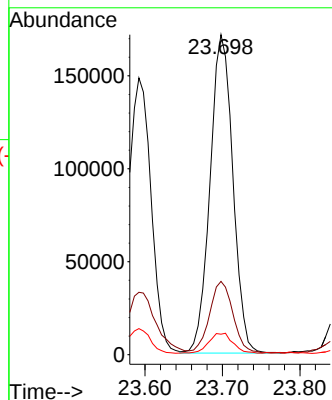
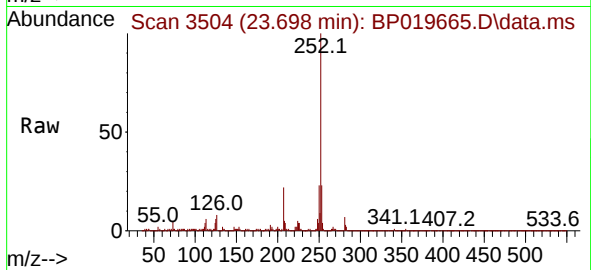
Tgt Ion:252 Resp: 351241

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 6.4 5.6 8.4



#92

Benzo(g,h,i)perylene

Concen: 4.358 ng

RT: 27.104 min Scan# 4083

Delta R.T. -0.011 min

Lab File: BP019665.D

Acq: 12 Feb 2024 16:28

Tgt Ion:276 Resp: 156710

Ion Ratio Lower Upper

276 100

277 25.2 18.6 28.0

138 13.5 10.9 16.3

