

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021324\
 Data File : BP019690.D
 Acq On : 13 Feb 2024 22:14
 Operator : MA/JU
 Sample : P1421-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 72-11977

Quant Time: Feb 13 23:28:34 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)

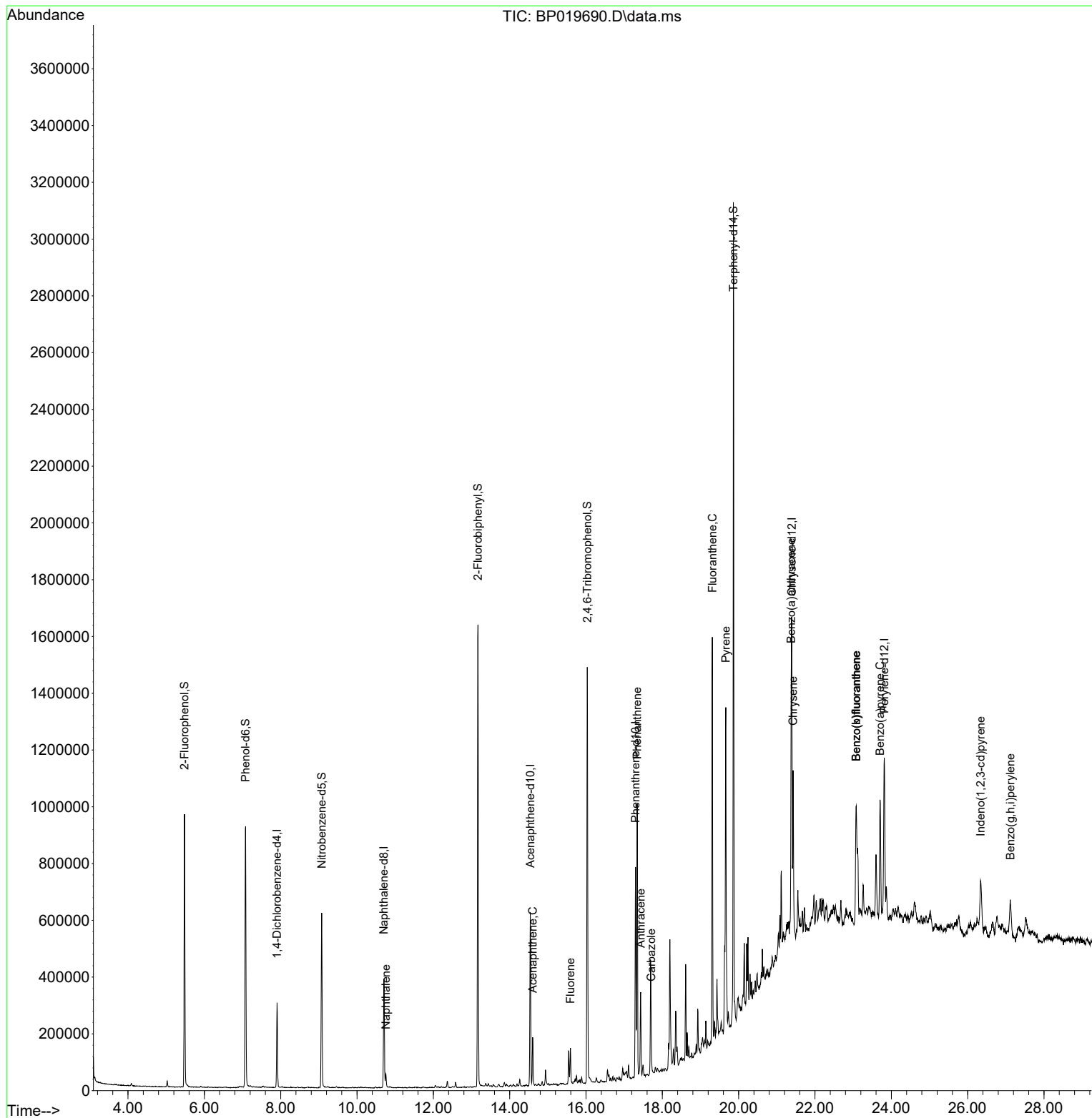
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	80119	20.000	ng	-0.01
21) Naphthalene-d8	10.704	136	312494	20.000	ng	-0.01
39) Acenaphthene-d10	14.540	164	210009	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	470758	20.000	ng	0.00
76) Chrysene-d12	21.392	240	420532	20.000	ng	# 0.00
86) Perylene-d12	23.815	264	493593	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	391002	78.666	ng	0.00
7) Phenol-d6	7.081	99	523387	78.095	ng	0.00
23) Nitrobenzene-d5	9.075	82	368999	51.167	ng	-0.01
42) 2,4,6-Tribromophenol	16.034	330	303930	99.120	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	869663	51.193	ng	-0.01
79) Terphenyl-d14	19.863	244	1395573	54.576	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.757	128	35455	2.069	ng	98
52) Acenaphthene	14.604	154	60738	5.070	ng	99
58) Fluorene	15.592	166	54069	3.479	ng	99
71) Phenanthrene	17.339	178	585512	23.634	ng	99
72) Anthracene	17.433	178	193420	7.826	ng	98
73) Carbazole	17.710	167	70766	3.152	ng	98
75) Fluoranthene	19.310	202	840160	27.761	ng	99
78) Pyrene	19.663	202	724556	24.413	ng	99
81) Benzo(a)anthracene	21.374	228	416131	14.057	ng	98
83) Chrysene	21.427	228	360170	12.815	ng	96
87) Indeno(1,2,3-cd)pyrene	26.339	276	211956	5.610	ng	97
88) Benzo(b)fluoranthene	23.080	252	462198	14.857	ng	97
89) Benzo(k)fluoranthene	23.080	252	462198	15.554	ng	97
90) Benzo(a)pyrene	23.704	252	361843	13.072	ng	95
92) Benzo(g,h,i)perylene	27.121	276	196146	6.222	ng	96

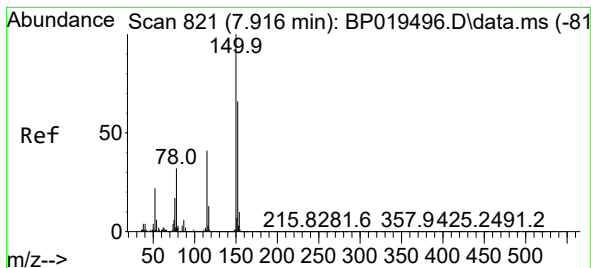
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BP019690.D

Acq: 13 Feb 2024 22:14

Instrument :

BNA_P

ClientSampleId :

72-11977

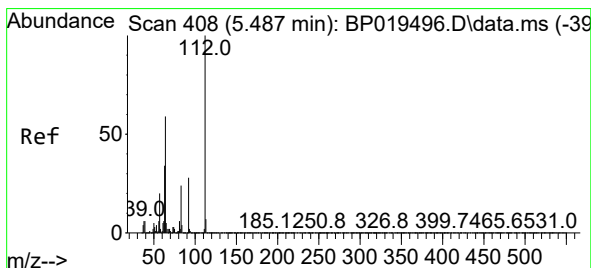
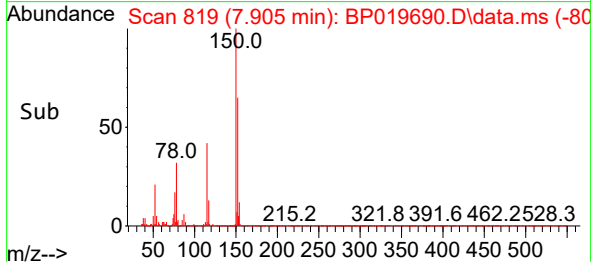
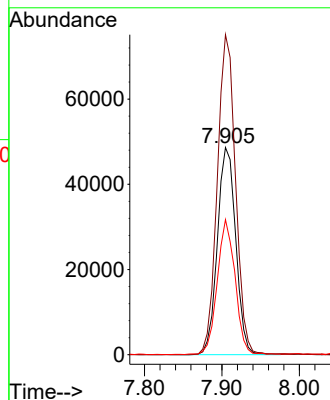
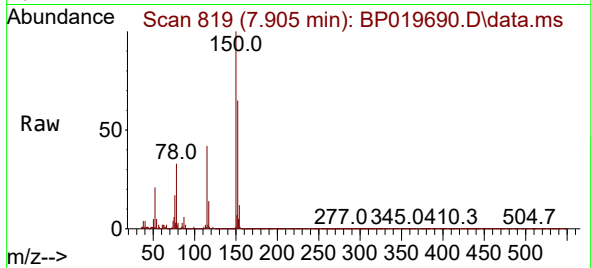
Tgt Ion:152 Resp: 80119

Ion Ratio Lower Upper

152 100

150 154.5 121.8 182.8

115 65.2 49.9 74.9



#5

2-Fluorophenol

Concen: 78.666 ng

RT: 5.481 min Scan# 407

Delta R.T. -0.006 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

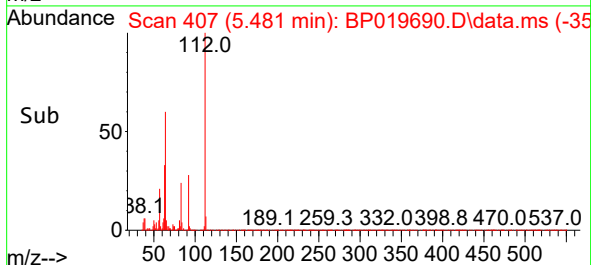
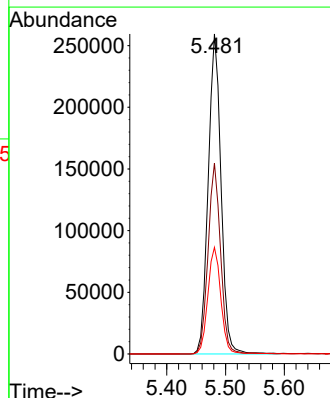
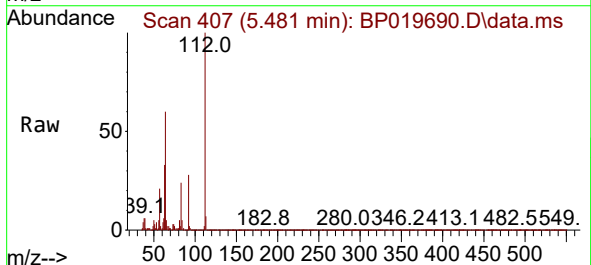
Tgt Ion:112 Resp: 391002

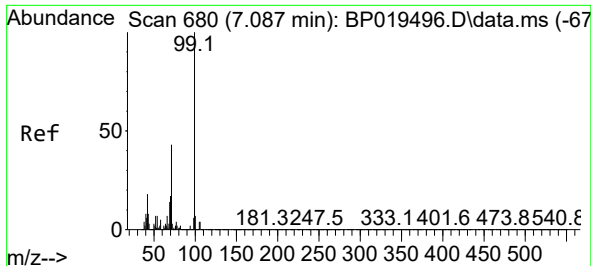
Ion Ratio Lower Upper

112 100

64 59.7 47.4 71.0

63 33.3 27.0 40.6

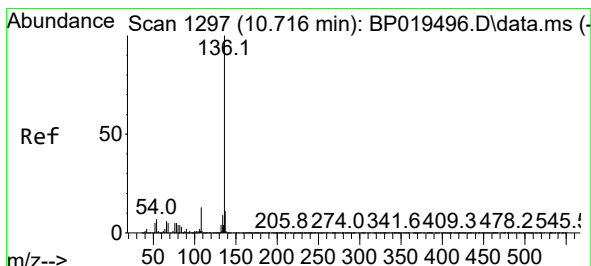
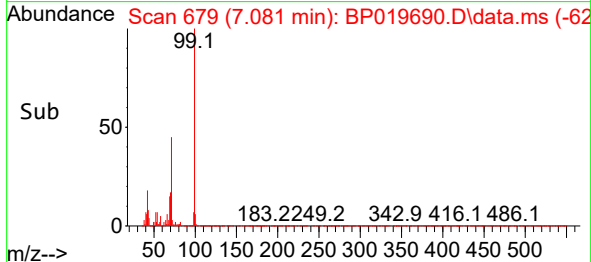
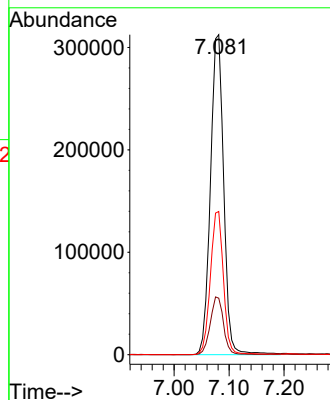
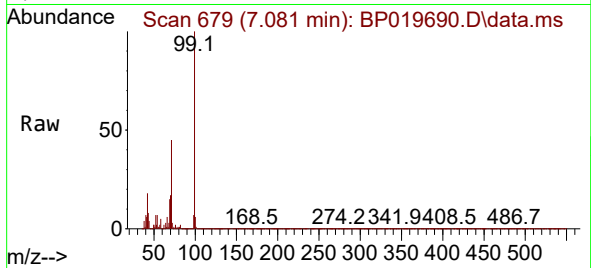




#7
Phenol-d6
Concen: 78.095 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019690.D
Acq: 13 Feb 2024 22:14

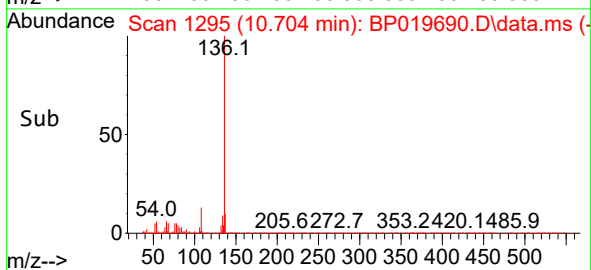
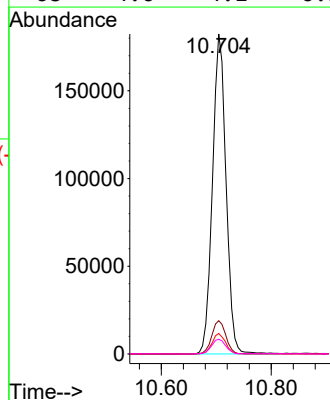
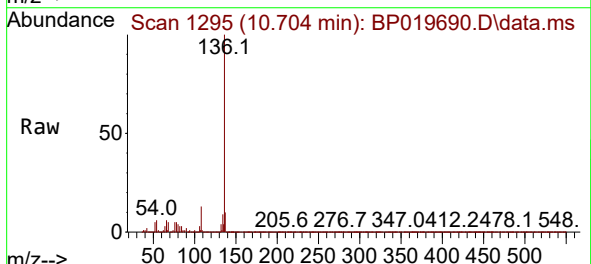
Instrument :
BNA_P
ClientSampleId :
72-11977

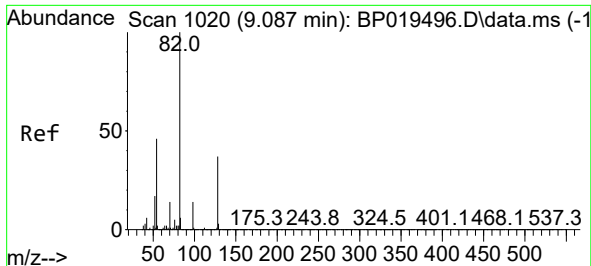
Tgt Ion: 99 Resp: 523387
Ion Ratio Lower Upper
99 100
42 17.7 14.7 22.1
71 44.8 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BP019690.D
Acq: 13 Feb 2024 22:14

Tgt Ion: 136 Resp: 312494
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 6.4 5.3 7.9
68 4.6 4.1 6.1





#23

Nitrobenzene-d5

Concen: 51.167 ng

RT: 9.075 min Scan# 1018

Delta R.T. -0.011 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

Instrument :

BNA_P

ClientSampleId :

72-11977

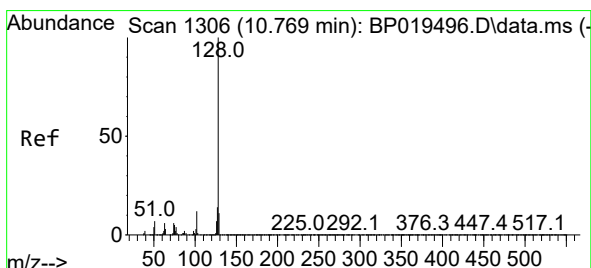
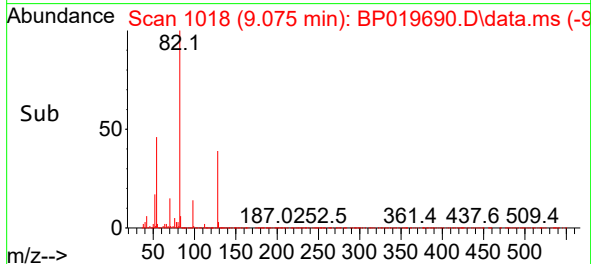
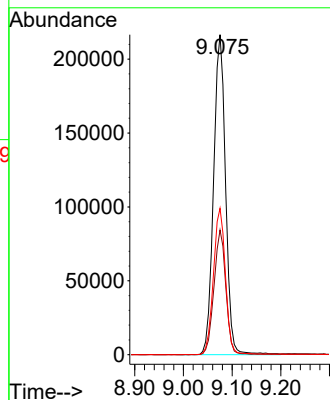
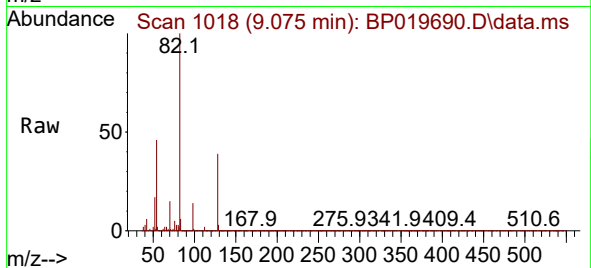
Tgt Ion: 82 Resp: 368999

Ion Ratio Lower Upper

82 100

128 38.9 29.7 44.5

54 45.8 36.8 55.2



#31

Naphthalene

Concen: 2.069 ng

RT: 10.757 min Scan# 1304

Delta R.T. -0.011 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

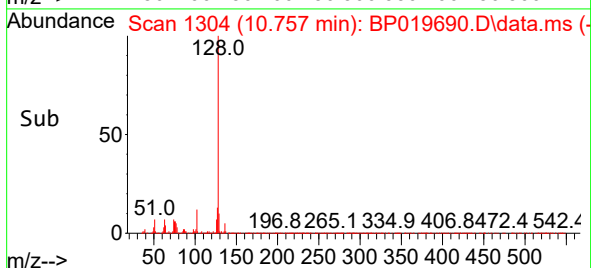
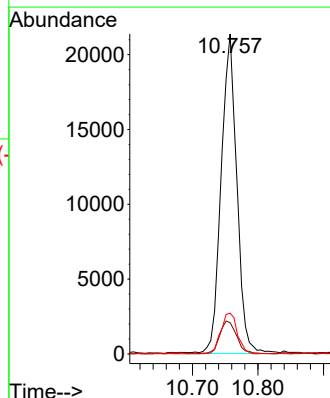
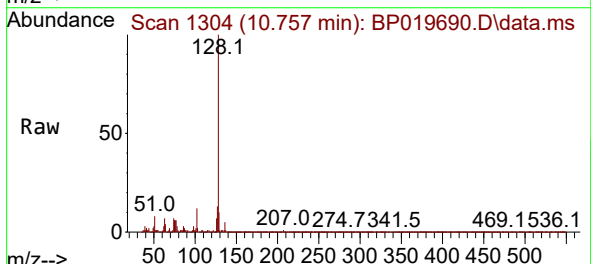
Tgt Ion: 128 Resp: 35455

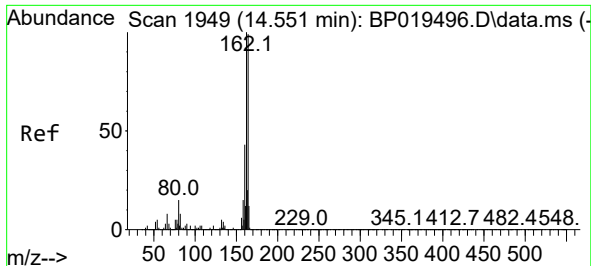
Ion Ratio Lower Upper

128 100

129 9.8 8.6 13.0

127 12.8 10.8 16.2

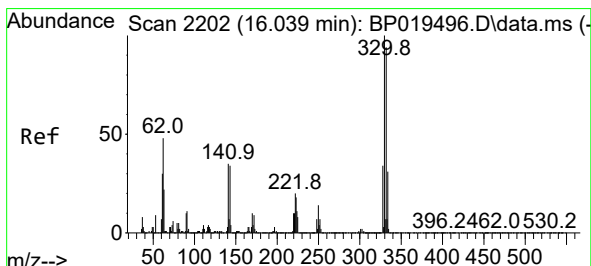
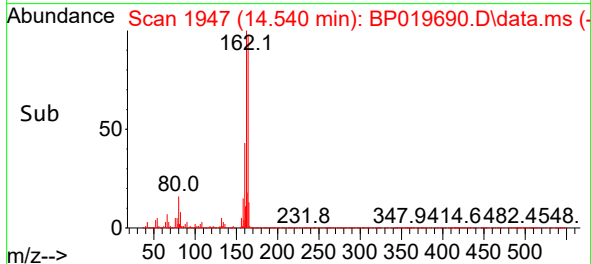
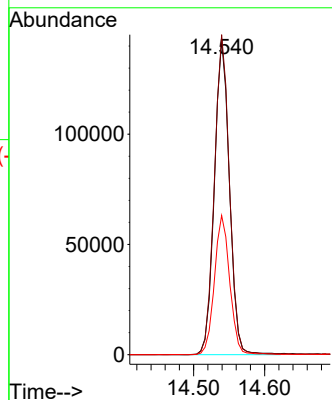
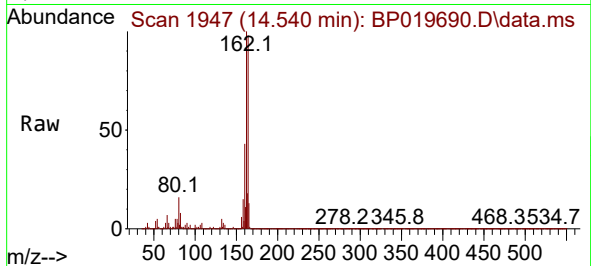




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.540 min Scan# 1947
Delta R.T. -0.011 min
Lab File: BP019690.D
Acq: 13 Feb 2024 22:14

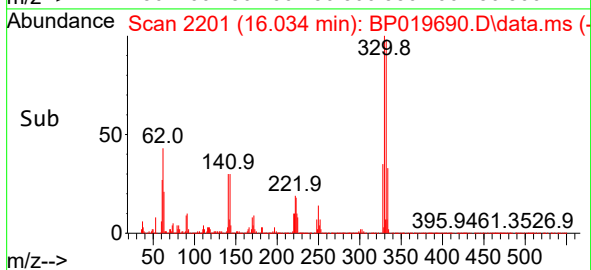
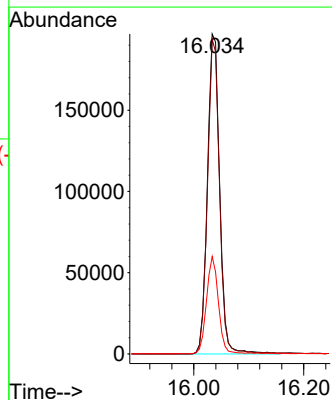
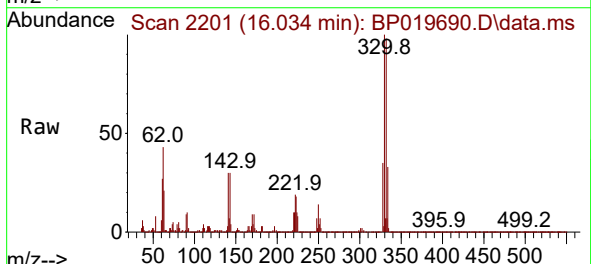
Instrument :
BNA_P
ClientSampleId :
72-11977

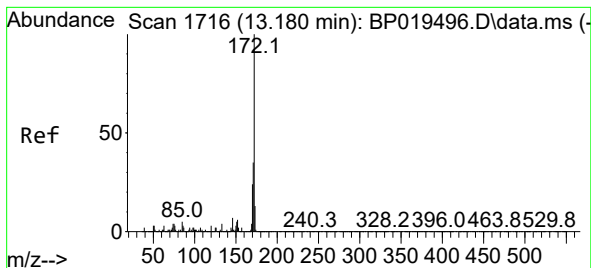
Tgt Ion:164 Resp: 210009
Ion Ratio Lower Upper
164 100
162 101.8 81.2 121.8
160 44.3 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 99.120 ng
RT: 16.034 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BP019690.D
Acq: 13 Feb 2024 22:14

Tgt Ion:330 Resp: 303930
Ion Ratio Lower Upper
330 100
332 96.8 77.2 115.8
141 30.0 27.0 40.4





#45

2-Fluorobiphenyl

Concen: 51.193 ng

RT: 13.169 min Scan# 1

Delta R.T. -0.011 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

Instrument :

BNA_P

ClientSampleId :

72-11977

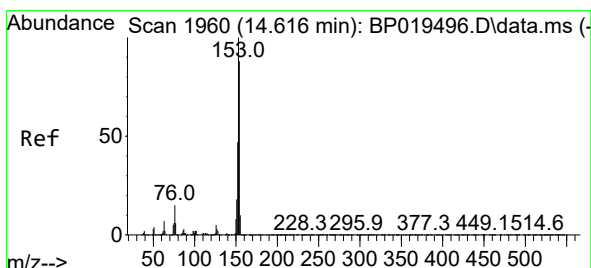
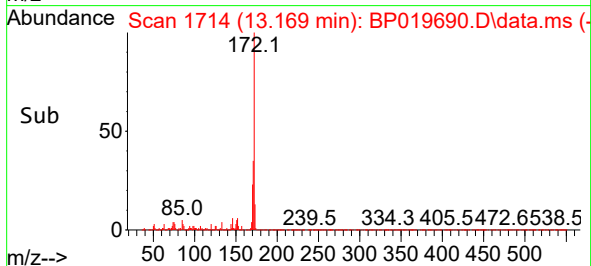
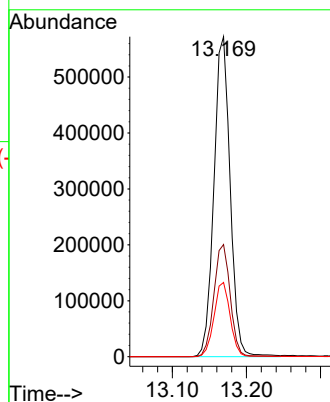
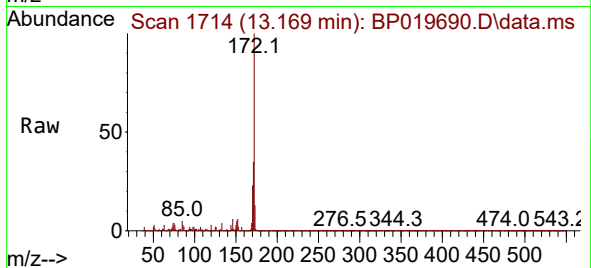
Tgt Ion:172 Resp: 869663

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.2 18.9 28.3



#52

Acenaphthene

Concen: 5.070 ng

RT: 14.604 min Scan# 1958

Delta R.T. -0.011 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

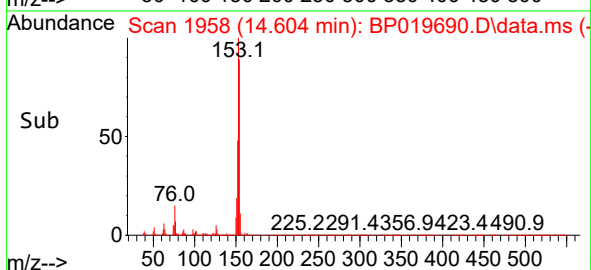
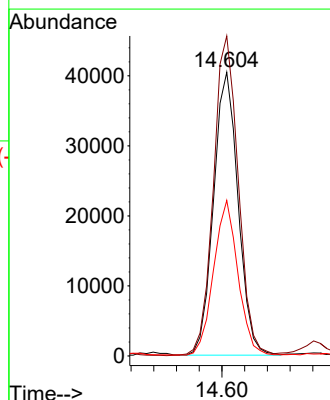
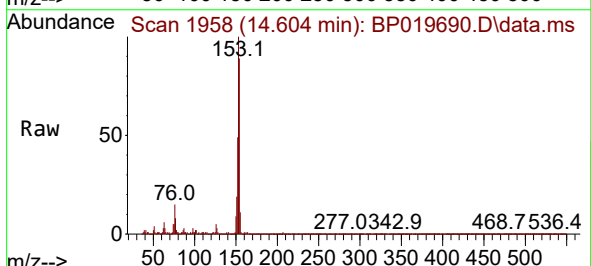
Tgt Ion:154 Resp: 60738

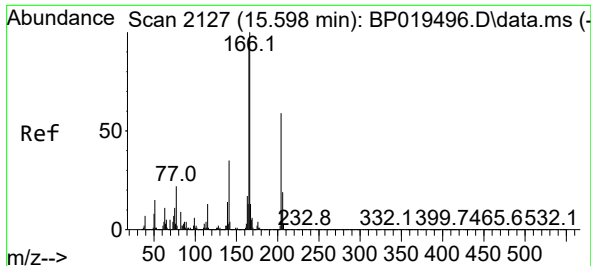
Ion Ratio Lower Upper

154 100

153 112.8 90.5 135.7

152 54.8 42.1 63.1

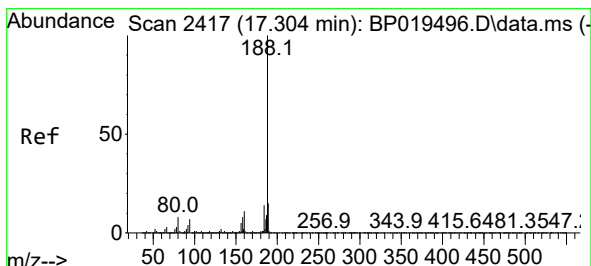
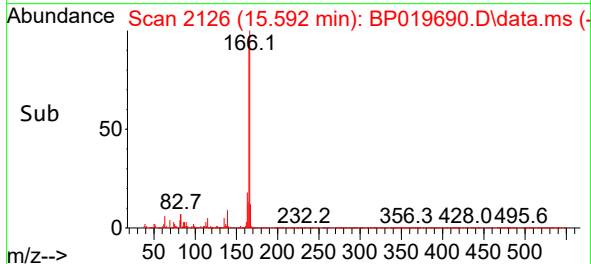
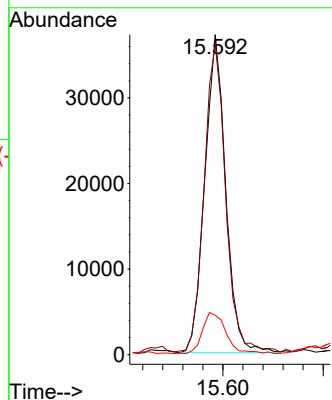
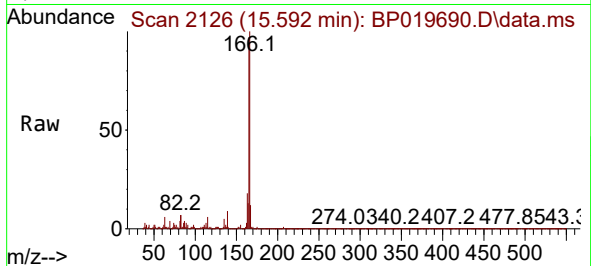




#58
Fluorene
Concen: 3.479 ng
RT: 15.592 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP019690.D
Acq: 13 Feb 2024 22:14

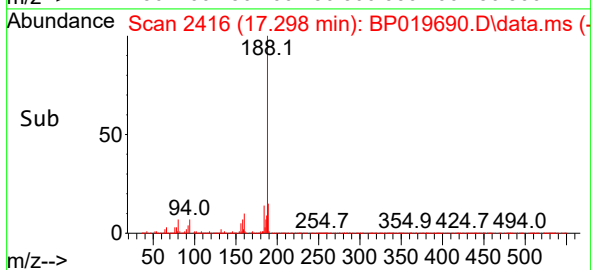
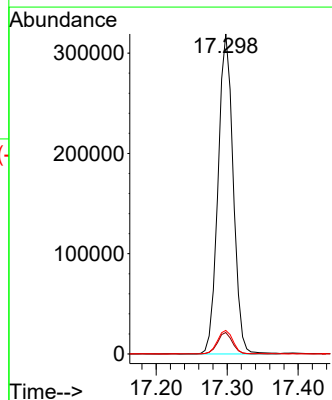
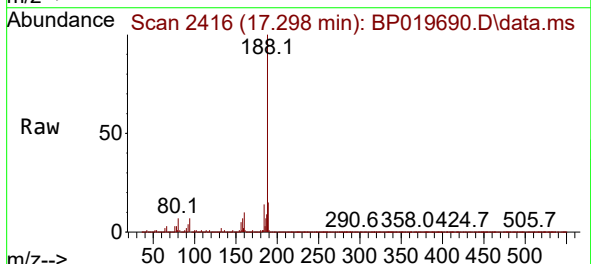
Instrument :
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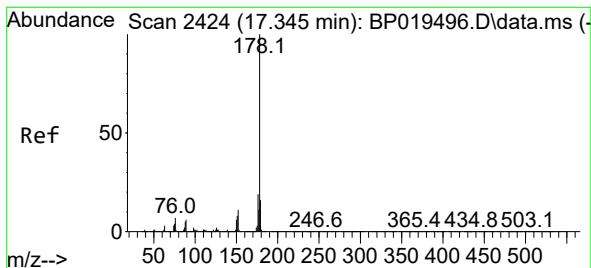
Tgt Ion:166 Resp: 54069
Ion Ratio Lower Upper
166 100
165 97.0 77.8 116.8
167 12.3 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP019690.D
Acq: 13 Feb 2024 22:14

Tgt Ion:188 Resp: 470758
Ion Ratio Lower Upper
188 100
94 6.7 5.4 8.2
80 7.4 6.3 9.5





#71

Phenanthrene

Concen: 23.634 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

Instrument :

BNA_P

ClientSampleId :

72-11977

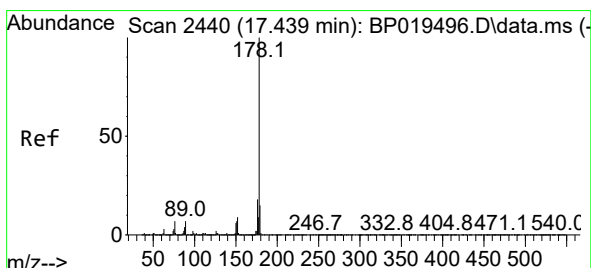
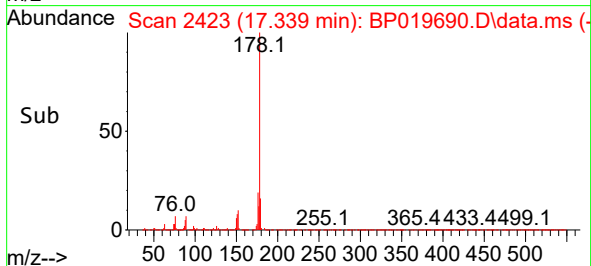
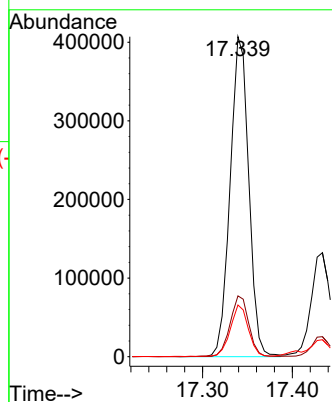
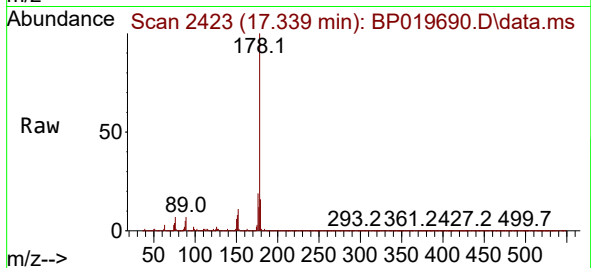
Tgt Ion:178 Resp: 585512

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 16.1 12.6 19.0



#72

Anthracene

Concen: 7.826 ng

RT: 17.433 min Scan# 2439

Delta R.T. -0.006 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

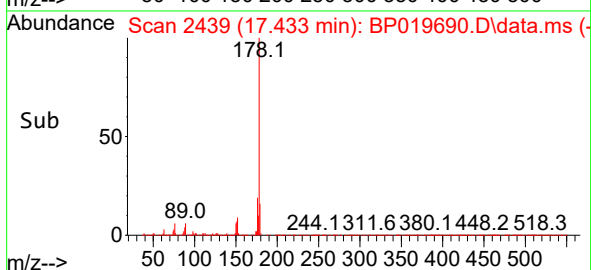
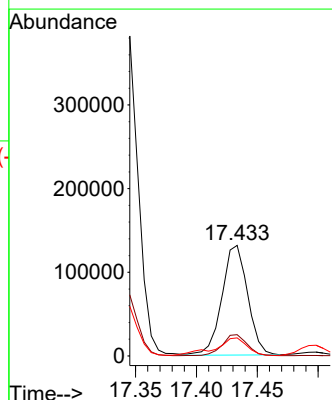
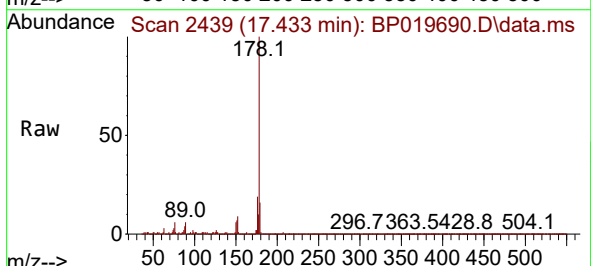
Tgt Ion:178 Resp: 193420

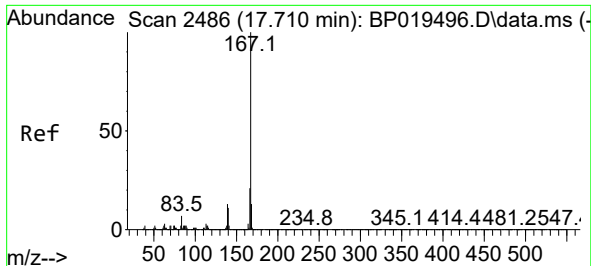
Ion Ratio Lower Upper

178 100

176 19.2 14.7 22.1

179 16.4 12.2 18.2

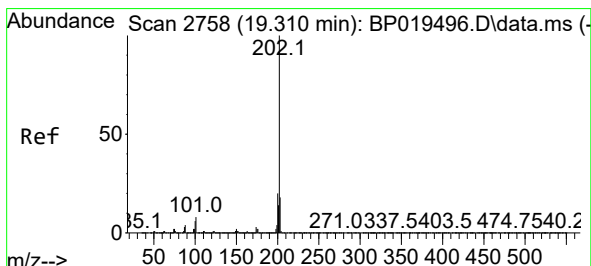
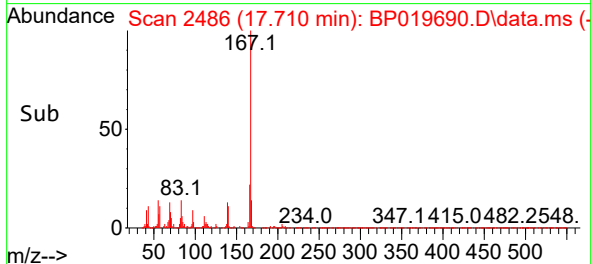
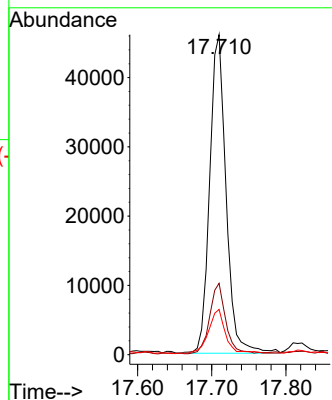
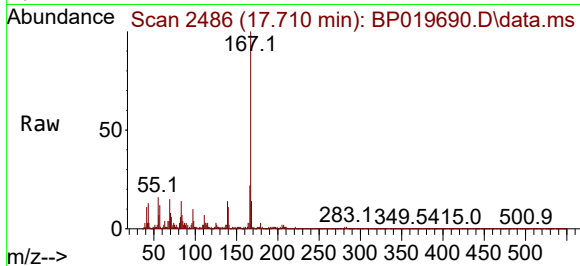




#73
 Carbazole
 Concen: 3.152 ng
 RT: 17.710 min Scan# 2486
 Delta R.T. 0.000 min
 Lab File: BP019690.D
 Acq: 13 Feb 2024 22:14

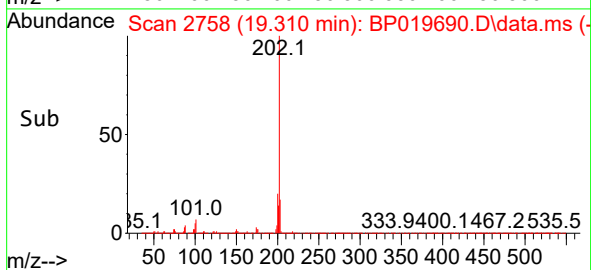
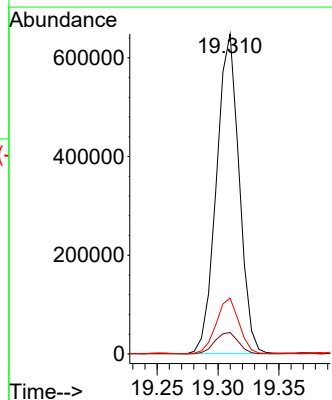
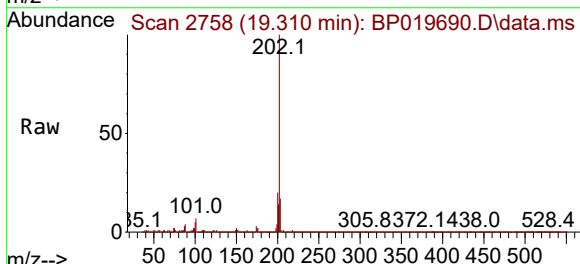
Instrument :
 BNA_P
 ClientSampleId :
 72-11977

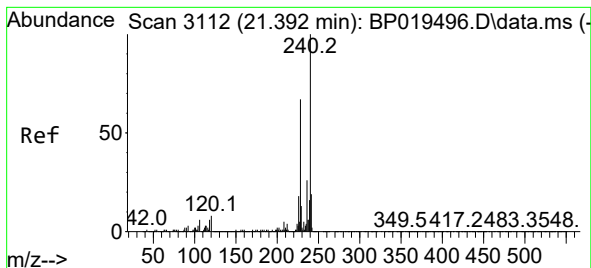
Tgt Ion:	167	Resp:	70766
Ion Ratio	Lower	Upper	
167	100		
166	22.3	17.2	25.8
139	14.2	10.6	15.8



#75
 Fluoranthene
 Concen: 27.761 ng
 RT: 19.310 min Scan# 2758
 Delta R.T. 0.000 min
 Lab File: BP019690.D
 Acq: 13 Feb 2024 22:14

Tgt Ion:	202	Resp:	840160
Ion Ratio	Lower	Upper	
202	100		
101	6.7	0.0	27.7
203	17.5	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: BP019690.D

Acq: 13 Feb 2024 22:14

Instrument :

BNA_P

ClientSampleId :

72-11977

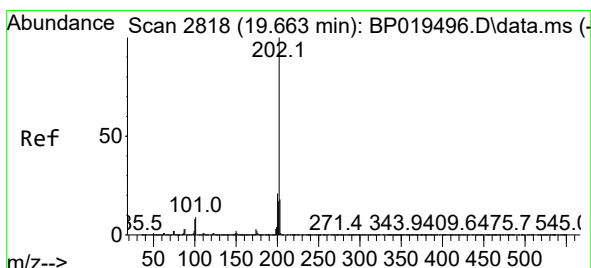
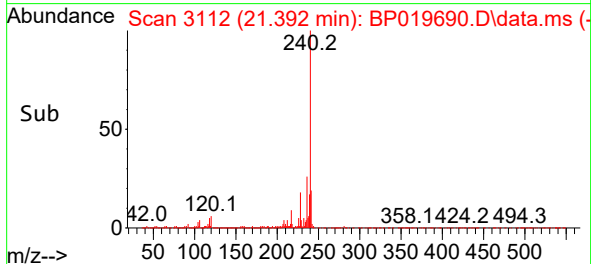
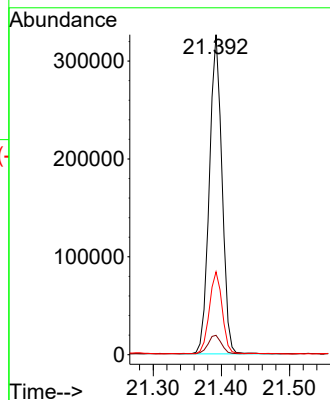
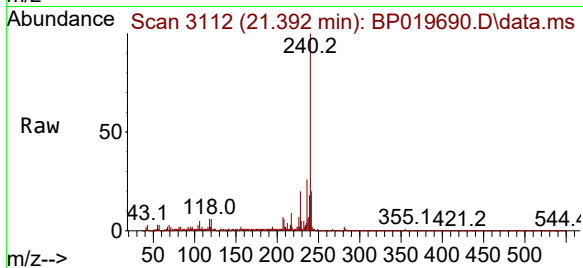
Tgt Ion:240 Resp: 420532

Ion Ratio Lower Upper

240 100

120 6.0 6.1 9.1#

236 25.9 20.7 31.1



#78

Pyrene

Concen: 24.413 ng

RT: 19.663 min Scan# 2818

Delta R.T. 0.000 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

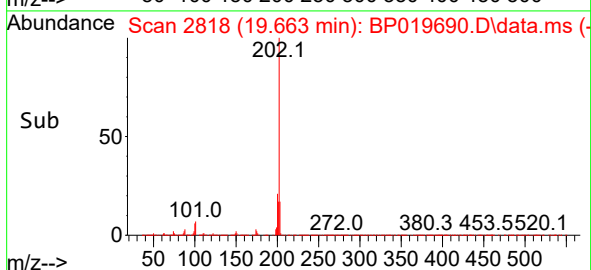
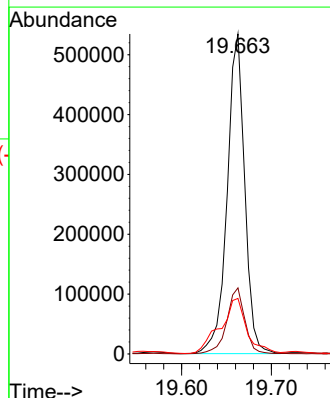
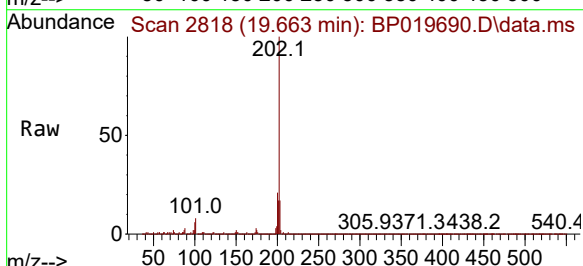
Tgt Ion:202 Resp: 724556

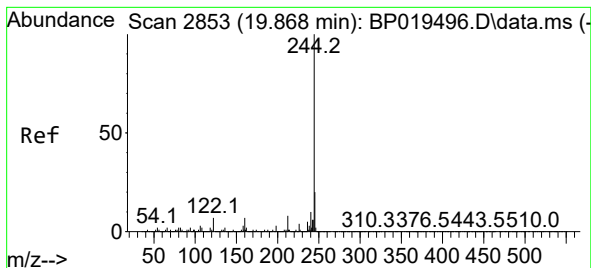
Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 54.576 ng

RT: 19.863 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

Instrument :

BNA_P

ClientSampleId :

72-11977

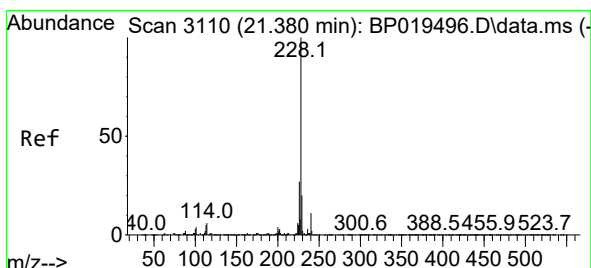
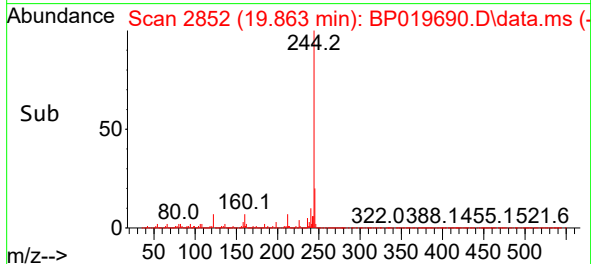
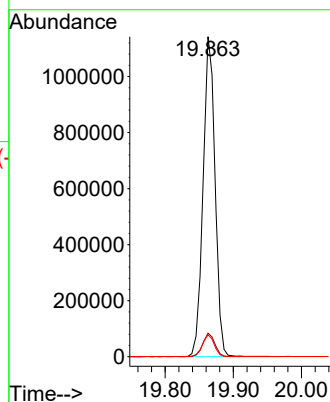
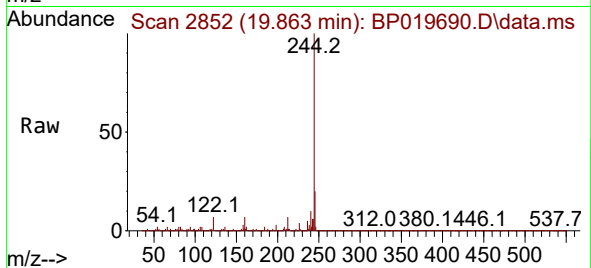
Tgt Ion:244 Resp: 1395573

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 6.9 5.9 8.9



#81

Benzo(a)anthracene

Concen: 14.057 ng

RT: 21.374 min Scan# 3109

Delta R.T. -0.006 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

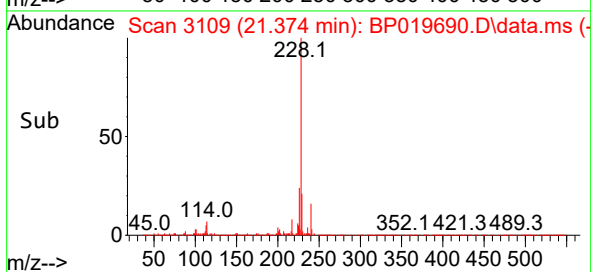
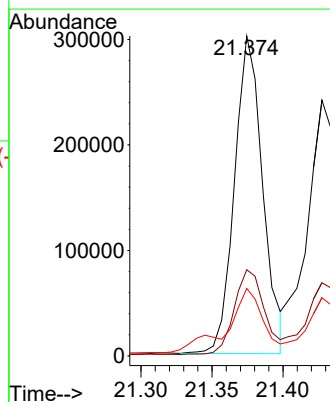
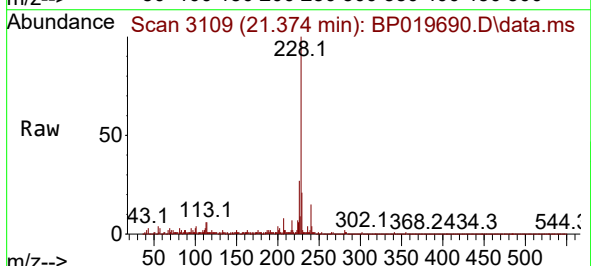
Tgt Ion:228 Resp: 416131

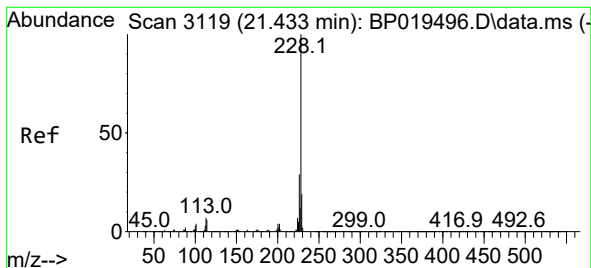
Ion Ratio Lower Upper

228 100

226 27.0 21.7 32.5

229 21.1 15.6 23.4





#83

Chrysene

Concen: 12.815 ng

RT: 21.427 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

Instrument :

BNA_P

ClientSampleId :

72-11977

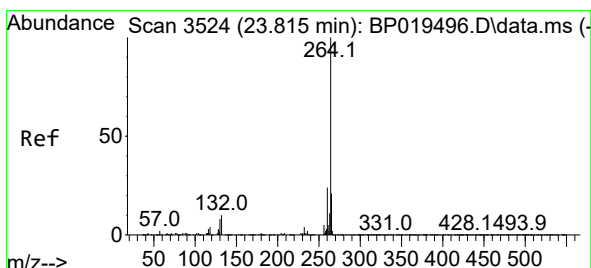
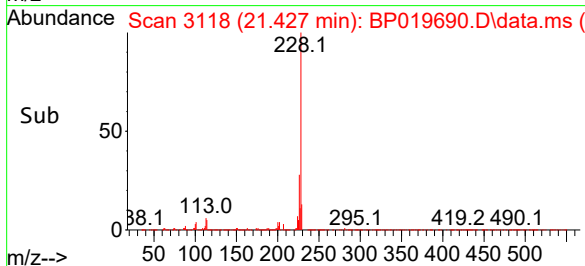
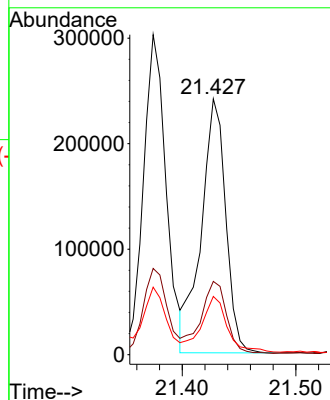
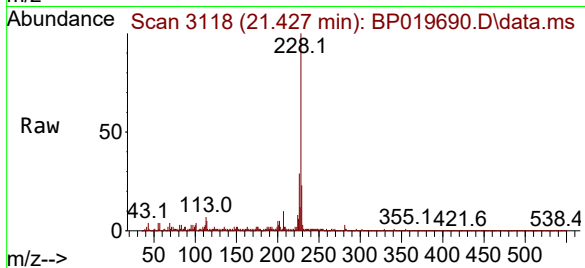
Tgt Ion:228 Resp: 360170

Ion Ratio Lower Upper

228 100

226 28.6 23.4 35.2

229 22.8 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.815 min Scan# 3524

Delta R.T. 0.000 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

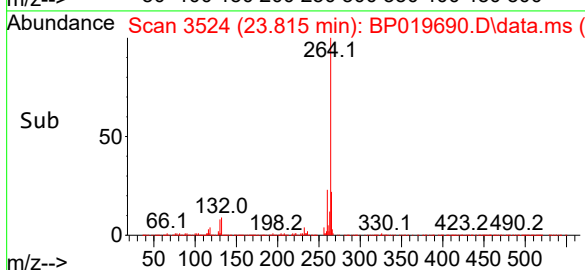
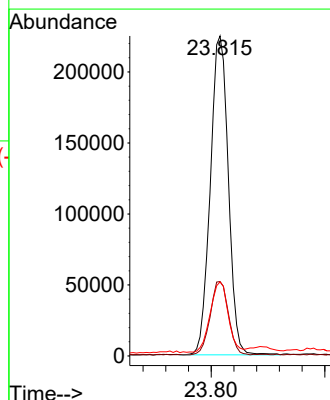
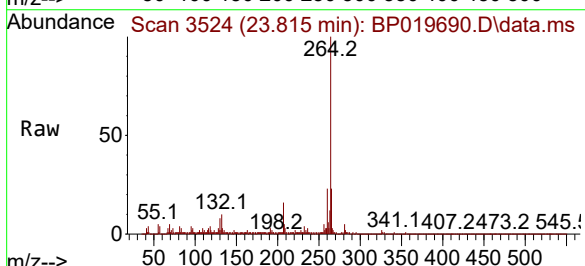
Tgt Ion:264 Resp: 493593

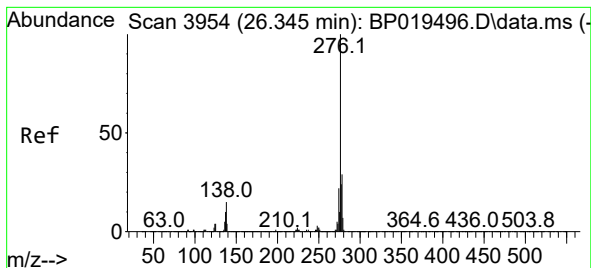
Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 23.2 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.610 ng

RT: 26.339 min Scan# 3953

Delta R.T. -0.006 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

Instrument :

BNA_P

ClientSampleId :

72-11977

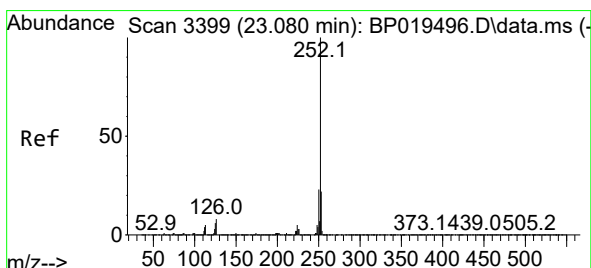
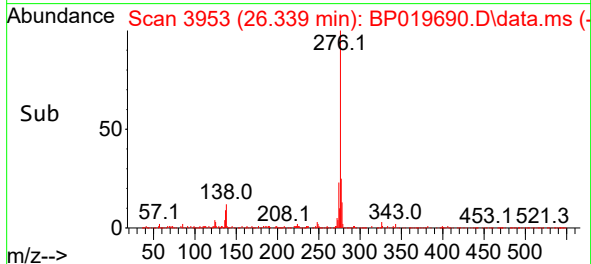
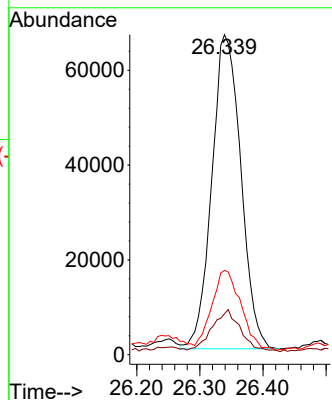
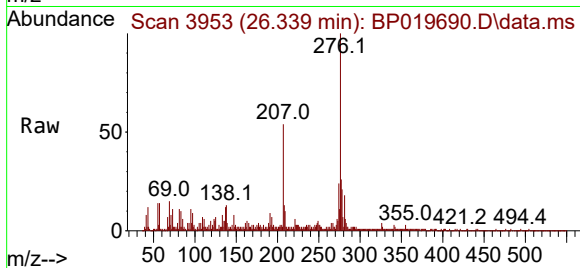
Tgt Ion:276 Resp: 211956

Ion Ratio Lower Upper

276 100

138 13.2 13.1 19.7

277 25.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 14.857 ng

RT: 23.080 min Scan# 3399

Delta R.T. 0.000 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

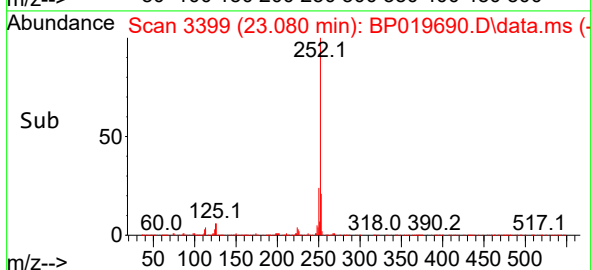
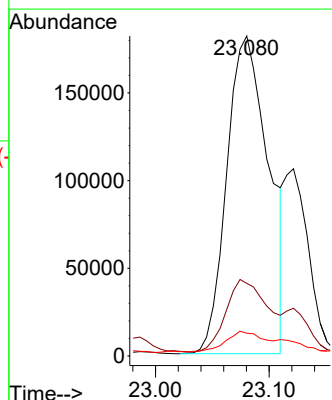
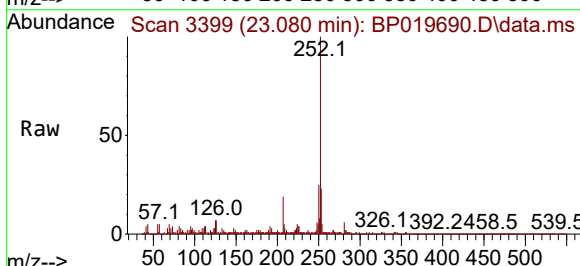
Tgt Ion:252 Resp: 462198

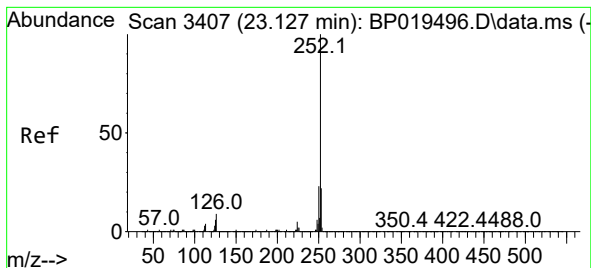
Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 7.1 4.9 7.3





#89

Benzo(k)fluoranthene

Concen: 15.554 ng

RT: 23.080 min Scan# 31

Delta R.T. -0.047 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

Instrument :

BNA_P

ClientSampleId :

72-11977

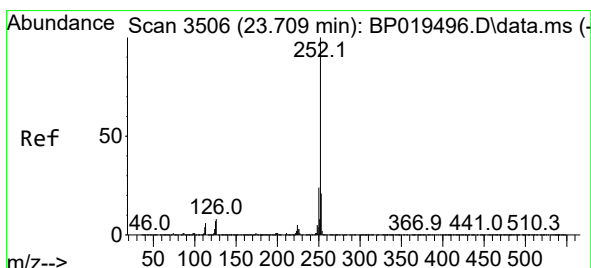
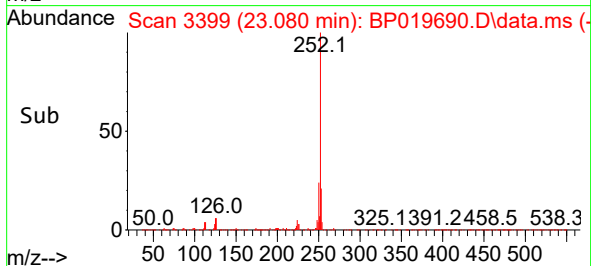
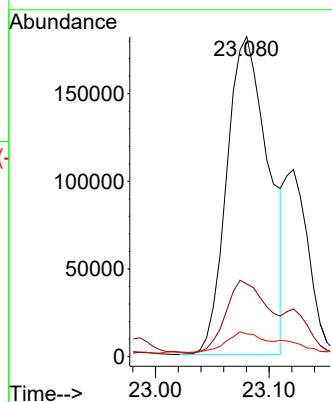
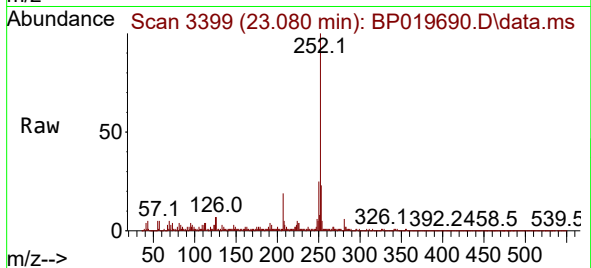
Tgt Ion:252 Resp: 462198

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

125 7.1 5.0 7.6



#90

Benzo(a)pyrene

Concen: 13.072 ng

RT: 23.704 min Scan# 3505

Delta R.T. -0.006 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

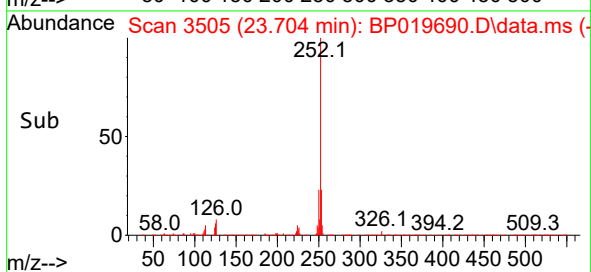
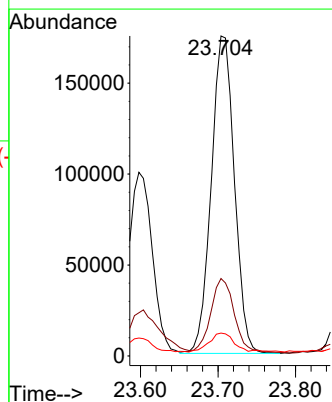
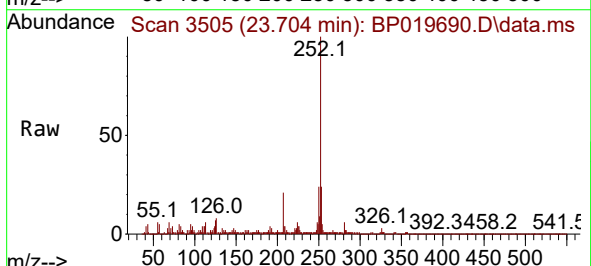
Tgt Ion:252 Resp: 361843

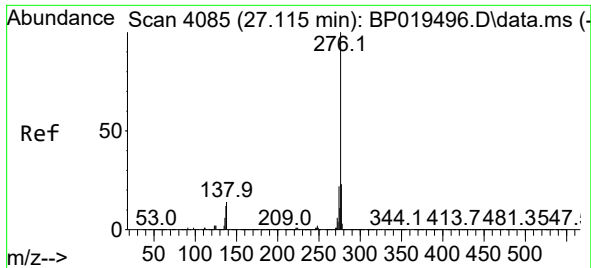
Ion Ratio Lower Upper

252 100

253 24.2 17.1 25.7

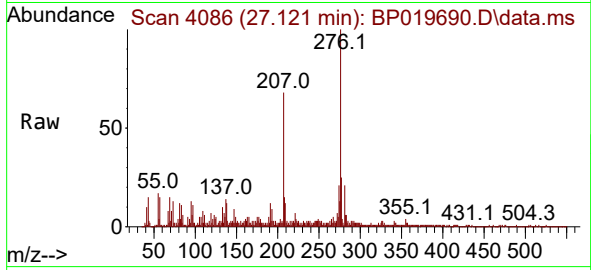
125 7.2 5.6 8.4





#92
 Benzo(g,h,i)perylene
 Concen: 6.222 ng
 RT: 27.121 min Scan# 4086
 Delta R.T. 0.006 min
 Lab File: BP019690.D
 Acq: 13 Feb 2024 22:14

Instrument :
 BNA_P
 ClientSampleId :
 72-11977



Tgt Ion:	276	Resp:	196146
Ion Ratio	Lower	Upper	
276	100		
277	25.0	18.6	28.0
138	11.7	10.9	16.3

