

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021924\
 Data File : BP019773.D
 Acq On : 19 Feb 2024 20:52
 Operator : MA/JU
 Sample : P1505-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-1D

Quant Time: Feb 19 23:38:25 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)

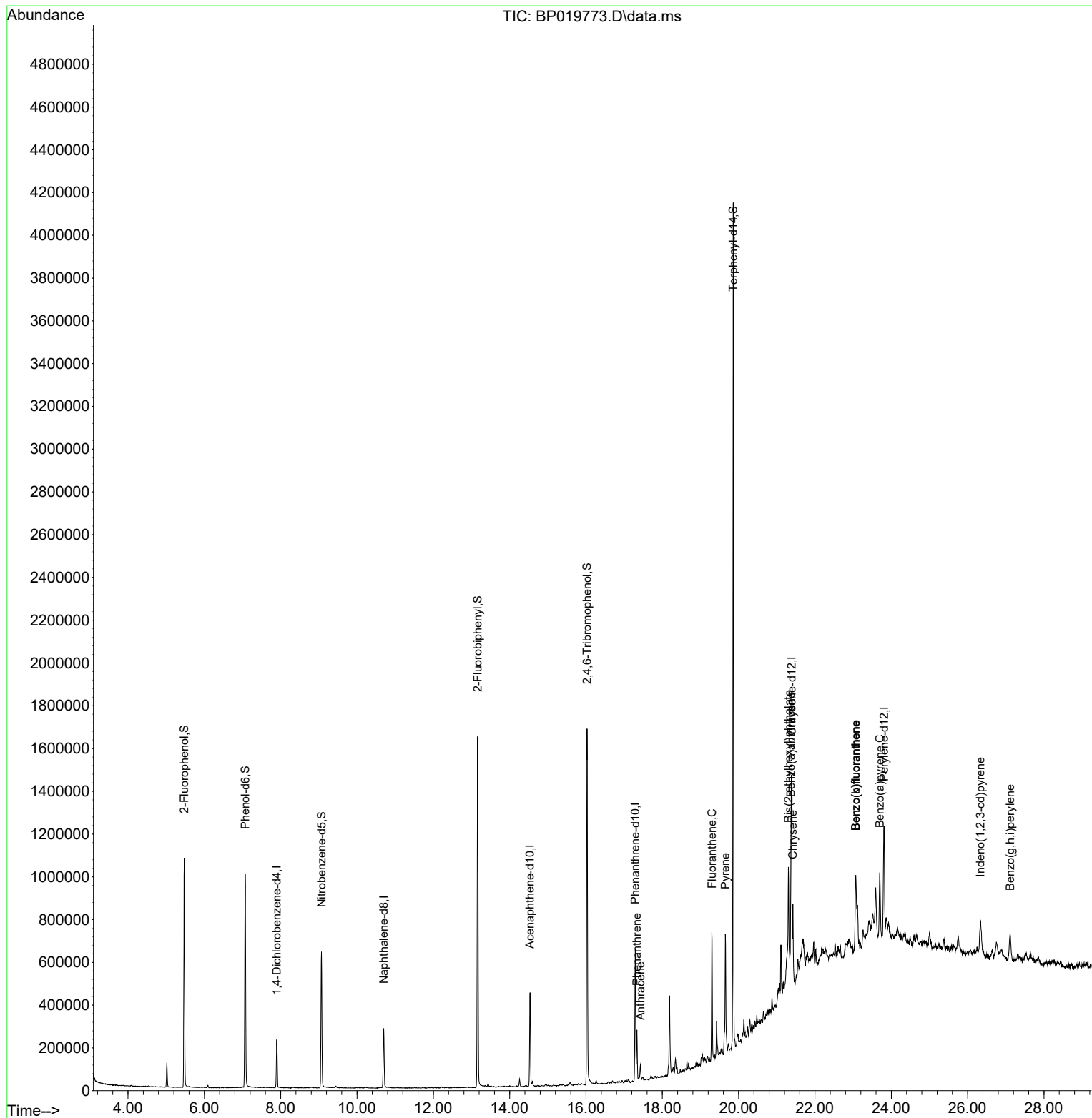
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.899	152	60498	20.000	ng	0.00
21) Naphthalene-d8	10.699	136	229034	20.000	ng	0.00
39) Acenaphthene-d10	14.534	164	159808	20.000	ng	0.00
64) Phenanthrene-d10	17.292	188	391503	20.000	ng	0.00
76) Chrysene-d12	21.386	240	403443	20.000	ng	# 0.00
86) Perylene-d12	23.810	264	465671	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	442888	118.004	ng	0.00
7) Phenol-d6	7.069	99	571561	112.943	ng	0.00
23) Nitrobenzene-d5	9.069	82	389774	73.742	ng	0.00
42) 2,4,6-Tribromophenol	16.028	330	371656	159.283	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	923359	71.428	ng	0.00
79) Terphenyl-d14	19.857	244	1882661	76.742	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.334	178	147000	7.135	ng	98
72) Anthracene	17.428	178	47143	2.294	ng	98
75) Fluoranthene	19.298	202	358522	14.244	ng	98
78) Pyrene	19.651	202	349069	12.260	ng	99
81) Benzo(a)anthracene	21.369	228	254436	8.959	ng	95
83) Chrysene	21.422	228	223889	8.304	ng	96
84) Bis(2-ethylhexyl)phtha...	21.304	149	157845	9.748	ng	97
87) Indeno(1,2,3-cd)pyrene	26.333	276	177438	4.978	ng	# 95
88) Benzo(b)fluoranthene	23.069	252	348222	11.865	ng	94
89) Benzo(k)fluoranthene	23.069	252	348222	12.421	ng	94
90) Benzo(a)pyrene	23.698	252	254970	9.764	ng	96
92) Benzo(g,h,i)perylene	27.115	276	175661	5.906	ng	96

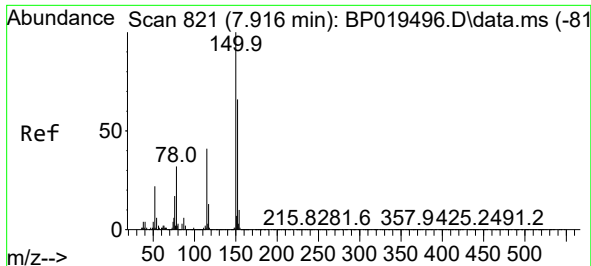
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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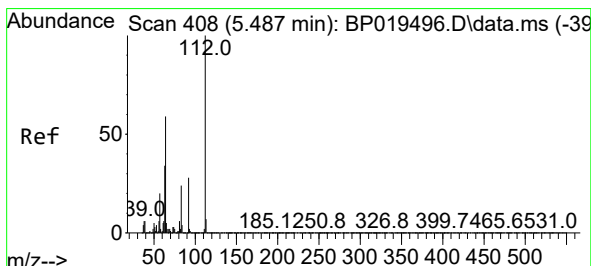
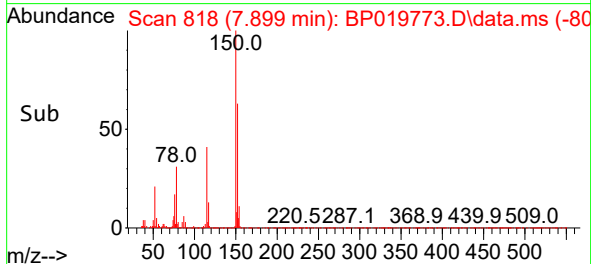
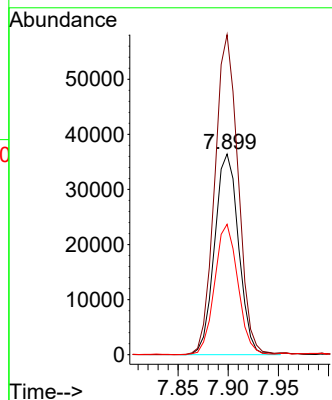
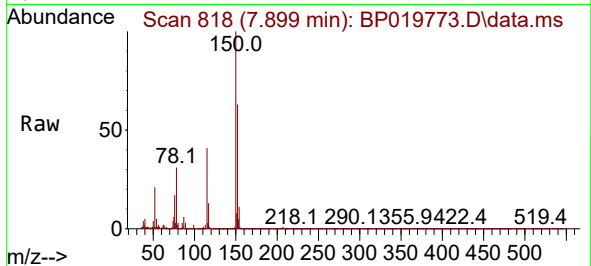




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.899 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP019773.D
Acq: 19 Feb 2024 20:52

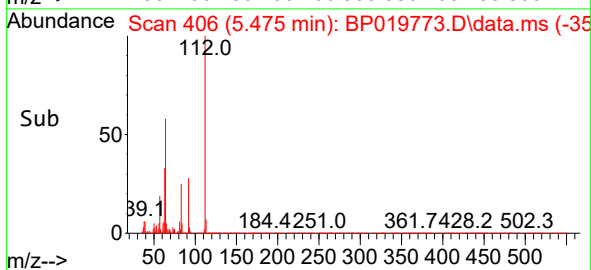
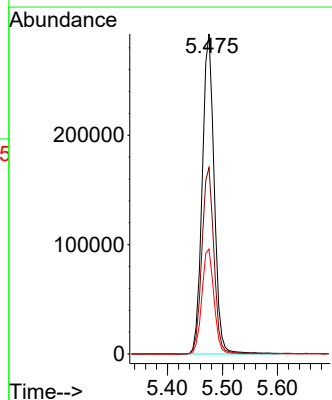
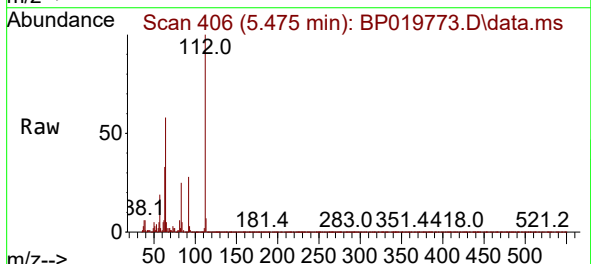
Instrument :
BNA_P
ClientSampleId :
WC-1D

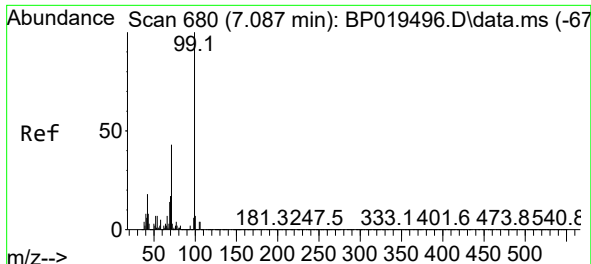
Tgt Ion:152 Resp: 60498
Ion Ratio Lower Upper
152 100
150 159.5 121.8 182.8
115 65.0 49.9 74.9



#5
2-Fluorophenol
Concen: 118.004 ng
RT: 5.475 min Scan# 406
Delta R.T. 0.000 min
Lab File: BP019773.D
Acq: 19 Feb 2024 20:52

Tgt Ion:112 Resp: 442888
Ion Ratio Lower Upper
112 100
64 58.3 47.4 71.0
63 32.8 27.0 40.6

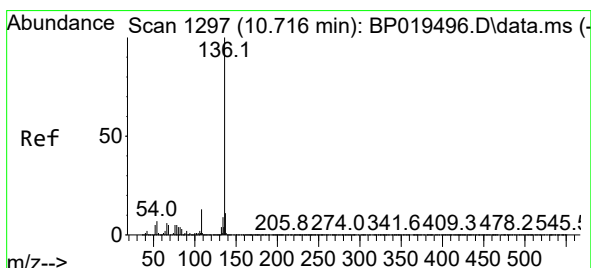
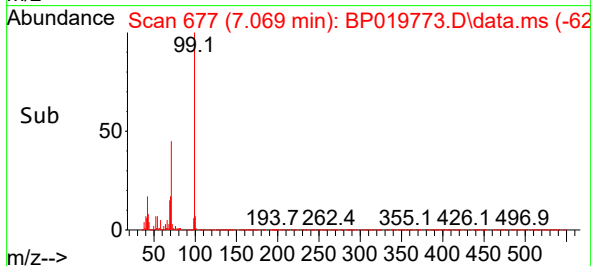
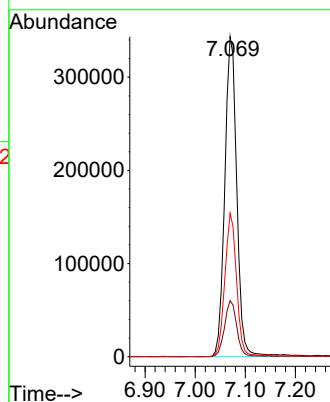
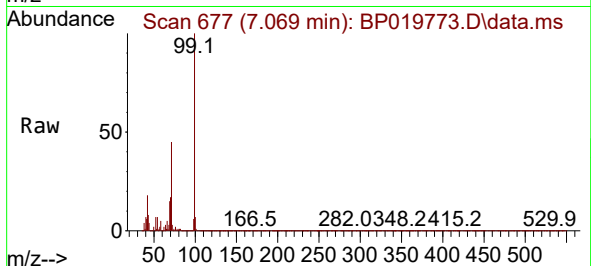




#7
Phenol-d6
Concen: 112.943 ng
RT: 7.069 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP019773.D
Acq: 19 Feb 2024 20:52

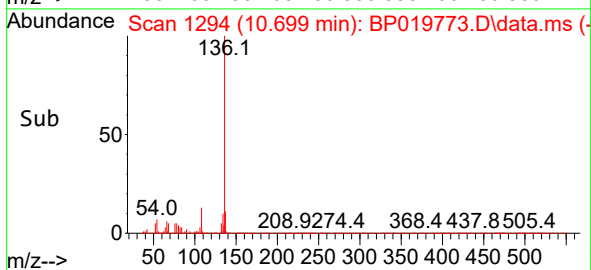
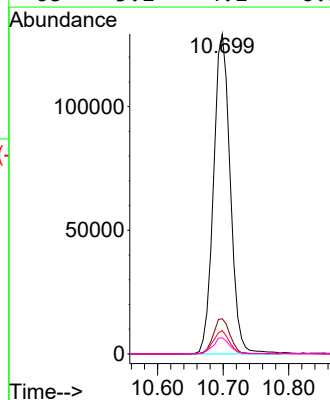
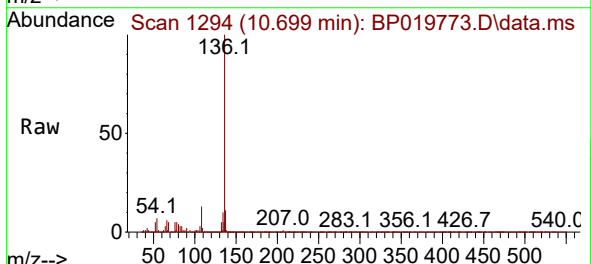
Instrument :
BNA_P
ClientSampleId :
WC-1D

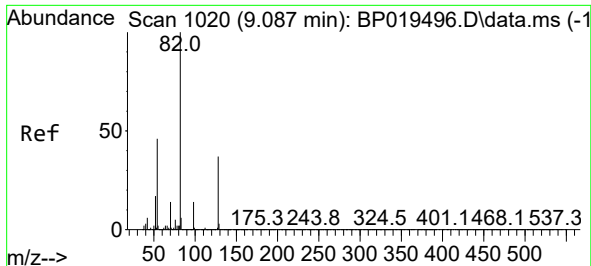
Tgt Ion: 99 Resp: 571561
Ion Ratio Lower Upper
99 100
42 17.5 14.7 22.1
71 44.8 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.699 min Scan# 1294
Delta R.T. 0.000 min
Lab File: BP019773.D
Acq: 19 Feb 2024 20:52

Tgt Ion: 136 Resp: 229034
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.3 5.3 7.9
68 5.1 4.1 6.1





#23

Nitrobenzene-d5

Concen: 73.742 ng

RT: 9.069 min Scan# 1017

Delta R.T. 0.000 min

Lab File: BP019773.D

Acq: 19 Feb 2024 20:52

Instrument :

BNA_P

ClientSampleId :

WC-1D

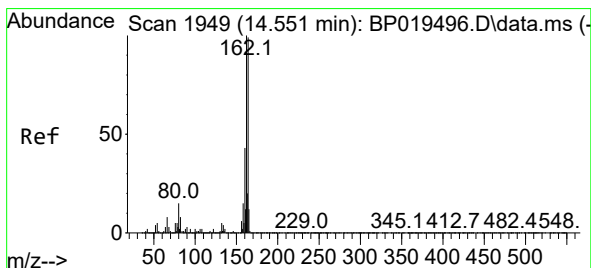
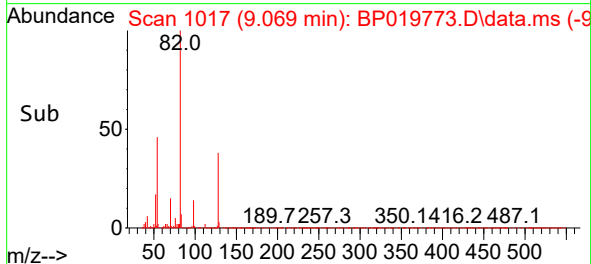
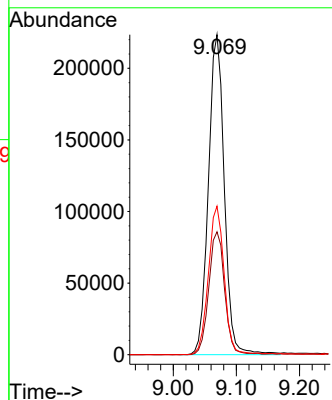
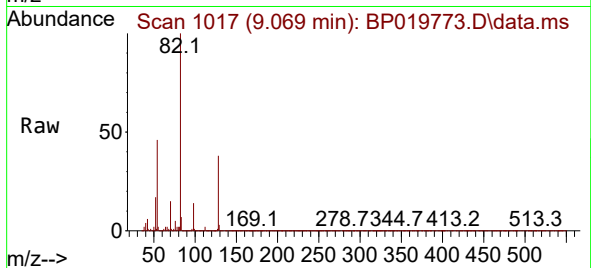
Tgt Ion: 82 Resp: 389774

Ion Ratio Lower Upper

82 100

128 38.4 29.7 44.5

54 46.4 36.8 55.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.534 min Scan# 1946

Delta R.T. -0.006 min

Lab File: BP019773.D

Acq: 19 Feb 2024 20:52

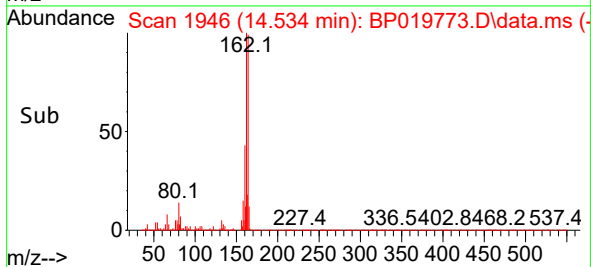
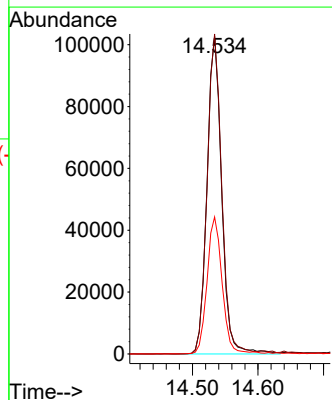
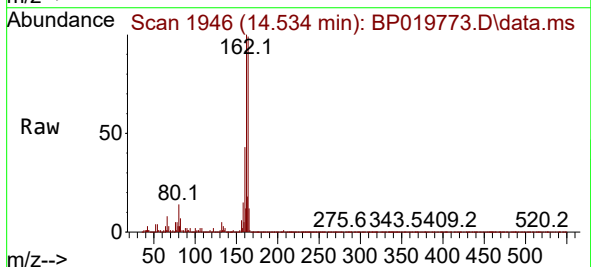
Tgt Ion:164 Resp: 159808

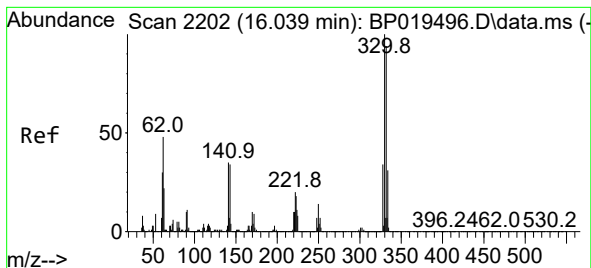
Ion Ratio Lower Upper

164 100

162 100.7 81.2 121.8

160 43.1 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 159.283 ng

RT: 16.028 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019773.D

Acq: 19 Feb 2024 20:52

Instrument :

BNA_P

ClientSampleId :

WC-1D

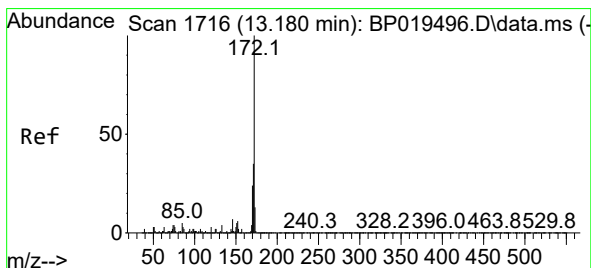
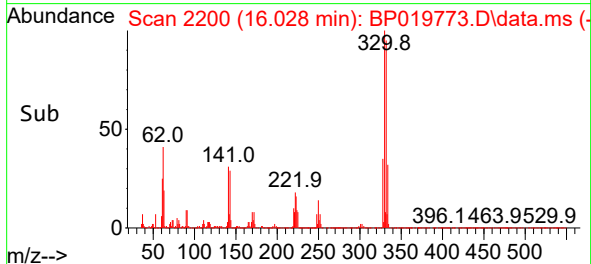
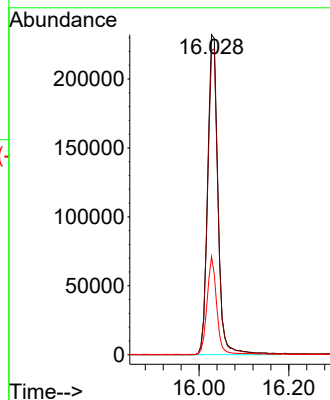
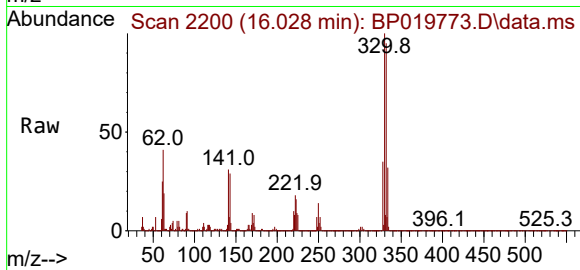
Tgt Ion:330 Resp: 371656

Ion Ratio Lower Upper

330 100

332 95.6 77.2 115.8

141 28.7 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 71.428 ng

RT: 13.163 min Scan# 1713

Delta R.T. 0.000 min

Lab File: BP019773.D

Acq: 19 Feb 2024 20:52

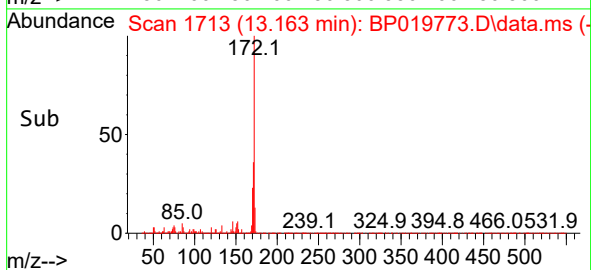
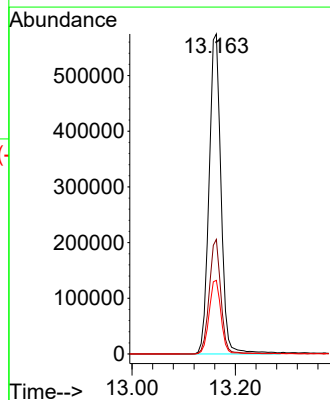
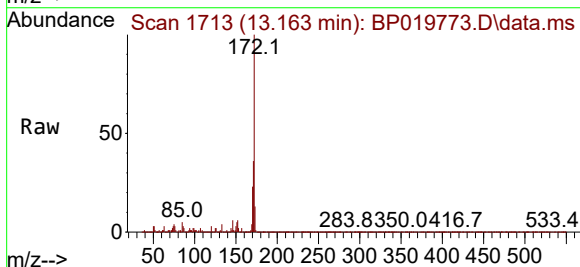
Tgt Ion:172 Resp: 923359

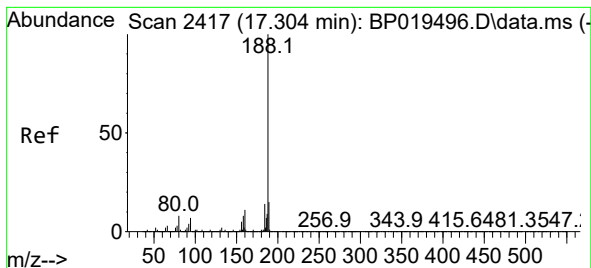
Ion Ratio Lower Upper

172 100

171 35.8 28.2 42.4

170 23.0 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.292 min Scan# 2415

Delta R.T. 0.000 min

Lab File: BP019773.D

Acq: 19 Feb 2024 20:52

Instrument :

BNA_P

ClientSampleId :

WC-1D

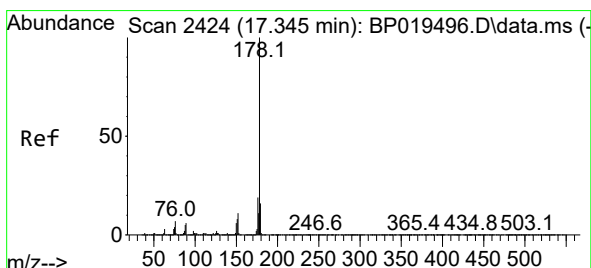
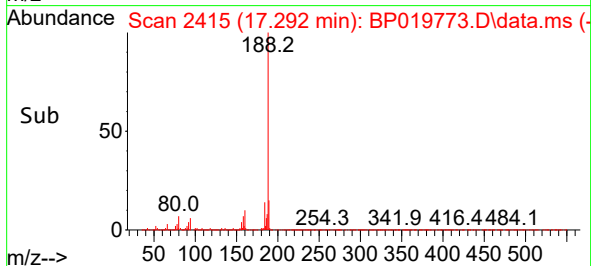
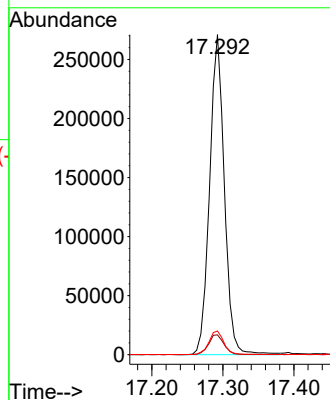
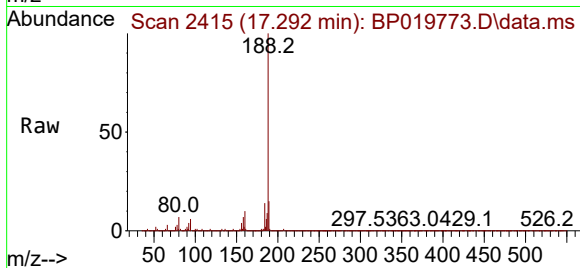
Tgt Ion:188 Resp: 391503

Ion Ratio Lower Upper

188 100

94 6.2 5.4 8.2

80 7.4 6.3 9.5



#71

Phenanthrene

Concen: 7.135 ng

RT: 17.334 min Scan# 2422

Delta R.T. -0.006 min

Lab File: BP019773.D

Acq: 19 Feb 2024 20:52

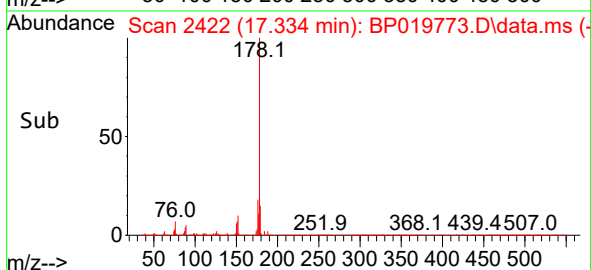
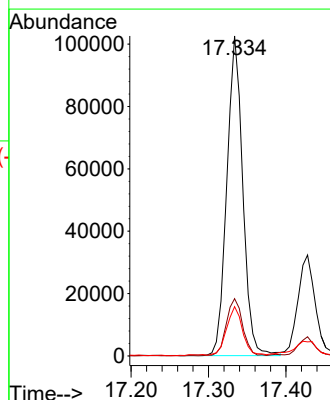
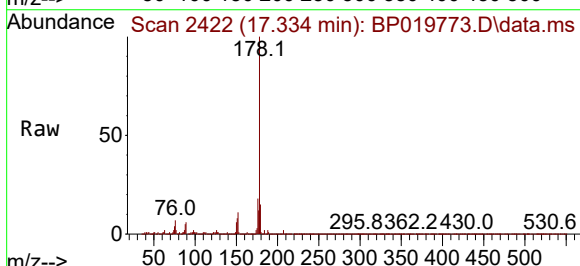
Tgt Ion:178 Resp: 147000

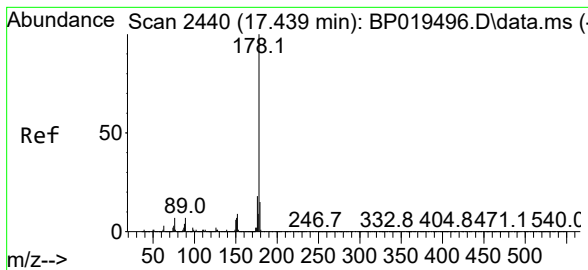
Ion Ratio Lower Upper

178 100

176 17.9 15.5 23.3

179 15.4 12.6 19.0

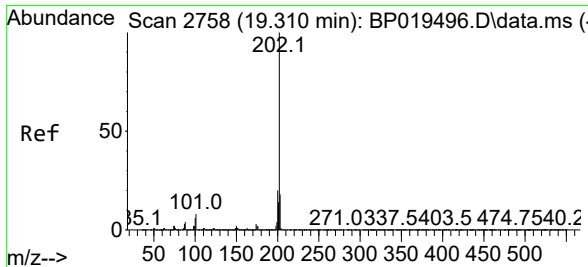
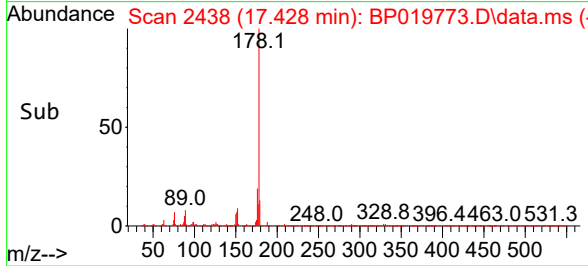
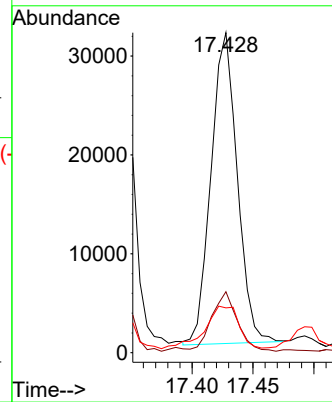
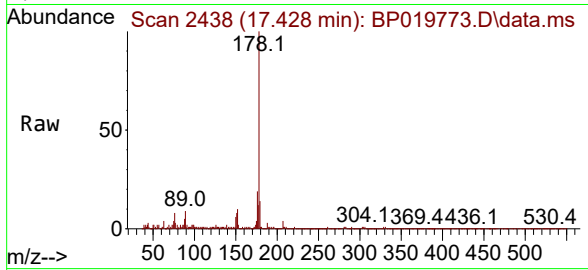




#72
Anthracene
Concen: 2.294 ng
RT: 17.428 min Scan# 2440
Delta R.T. 0.000 min
Lab File: BP019773.D
Acq: 19 Feb 2024 20:52

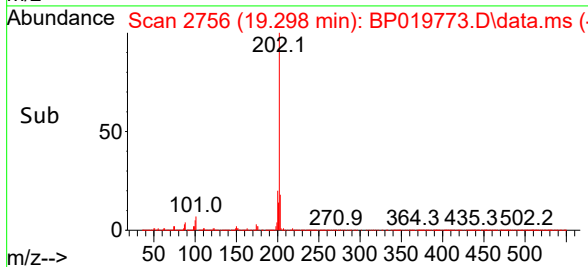
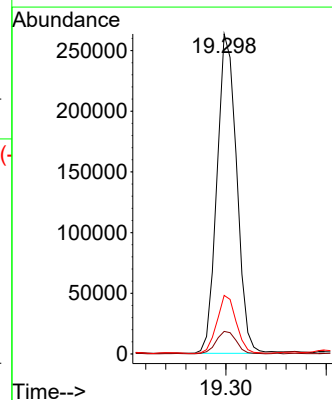
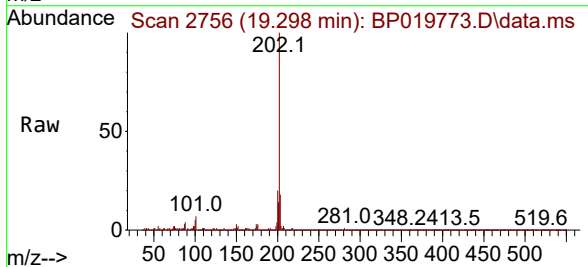
Instrument :
BNA_P
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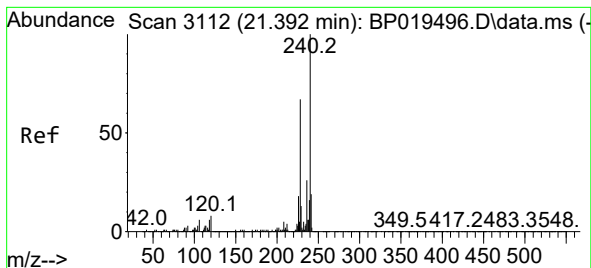
Tgt Ion:178 Resp: 47143
Ion Ratio Lower Upper
178 100
176 19.0 14.7 22.1
179 14.0 12.2 18.2



#75
Fluoranthene
Concen: 14.244 ng
RT: 19.298 min Scan# 2756
Delta R.T. -0.006 min
Lab File: BP019773.D
Acq: 19 Feb 2024 20:52

Tgt Ion:202 Resp: 358522
Ion Ratio Lower Upper
202 100
101 7.0 0.0 27.7
203 18.3 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: BP019773.D

Acq: 19 Feb 2024 20:52

Instrument :

BNA_P

ClientSampleId :

WC-1D

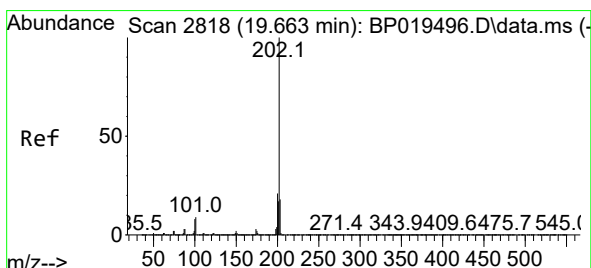
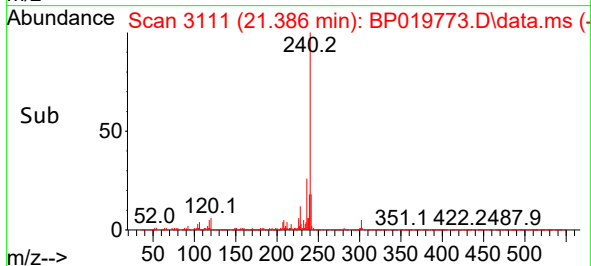
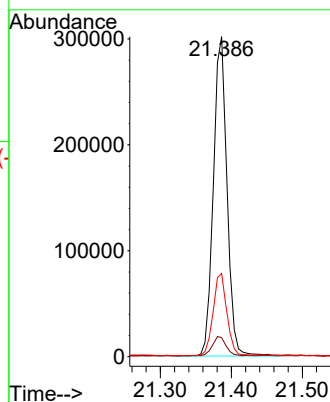
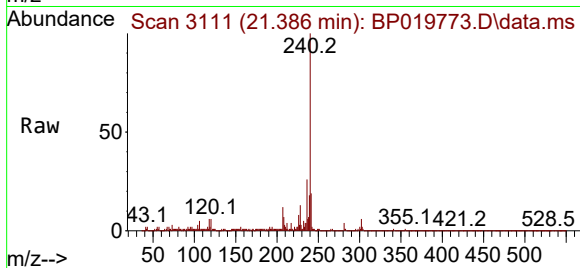
Tgt Ion:240 Resp: 403443

Ion Ratio Lower Upper

240 100

120 6.0 6.1 9.1#

236 26.0 20.7 31.1



#78

Pyrene

Concen: 12.260 ng

RT: 19.651 min Scan# 2816

Delta R.T. -0.006 min

Lab File: BP019773.D

Acq: 19 Feb 2024 20:52

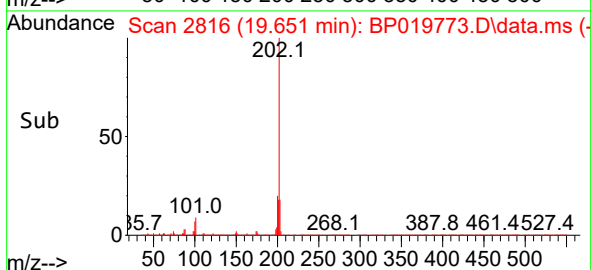
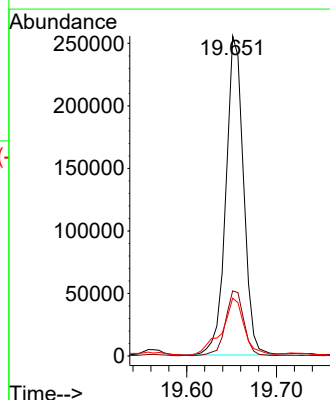
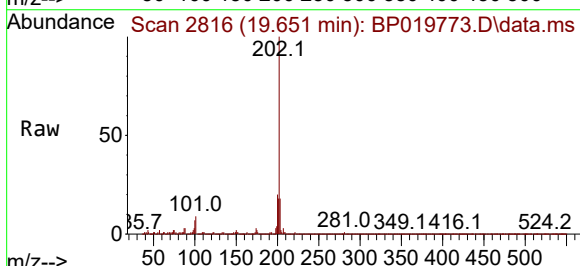
Tgt Ion:202 Resp: 349069

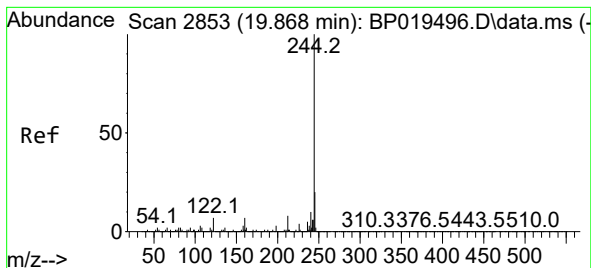
Ion Ratio Lower Upper

202 100

200 20.4 16.9 25.3

203 18.0 14.2 21.2





#79

Terphenyl-d14

Concen: 76.742 ng

RT: 19.857 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019773.D

Acq: 19 Feb 2024 20:52

Instrument :

BNA_P

ClientSampleId :

WC-1D

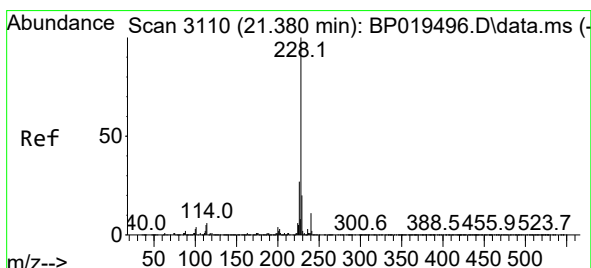
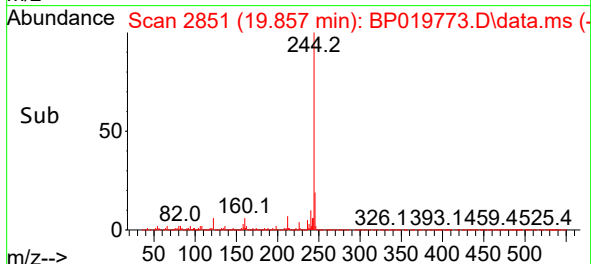
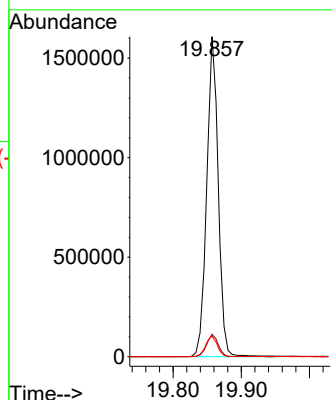
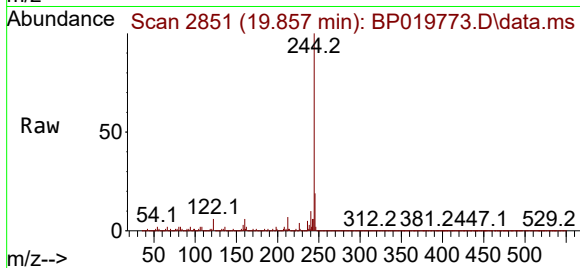
Tgt Ion:244 Resp: 1882661

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

122 6.4 5.9 8.9



#81

Benzo(a)anthracene

Concen: 8.959 ng

RT: 21.369 min Scan# 3108

Delta R.T. -0.006 min

Lab File: BP019773.D

Acq: 19 Feb 2024 20:52

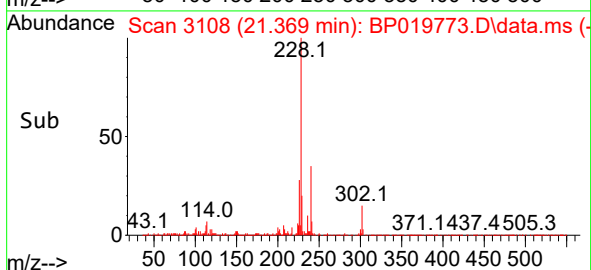
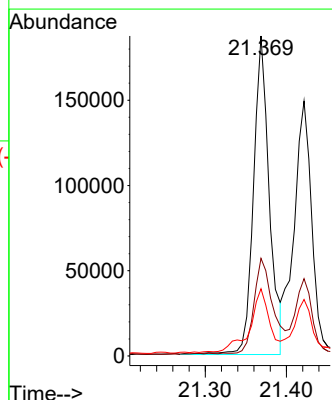
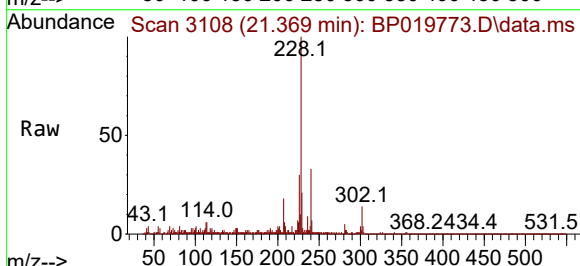
Tgt Ion:228 Resp: 254436

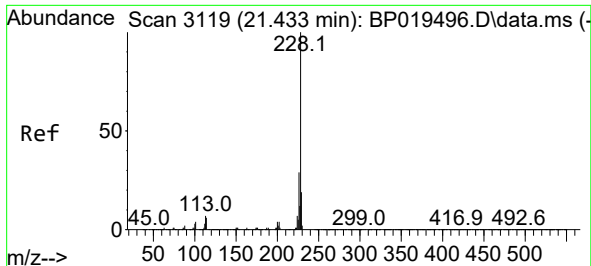
Ion Ratio Lower Upper

228 100

226 30.5 21.7 32.5

229 21.0 15.6 23.4





#83

Chrysene

Concen: 8.304 ng

RT: 21.422 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BP019773.D

Acq: 19 Feb 2024 20:52

Instrument :

BNA_P

ClientSampleId :

WC-1D

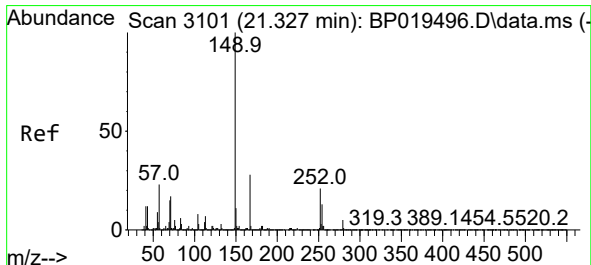
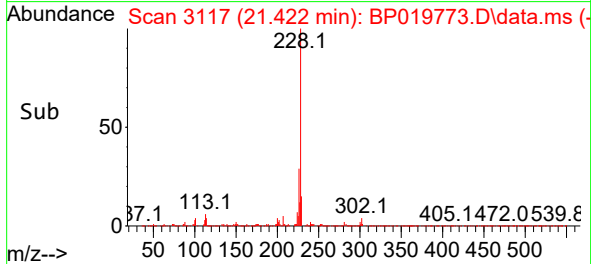
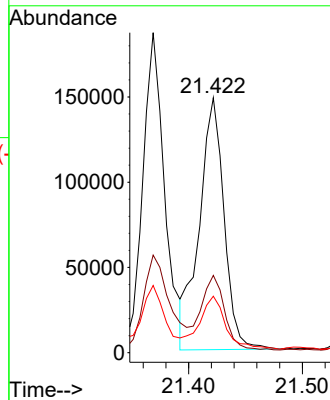
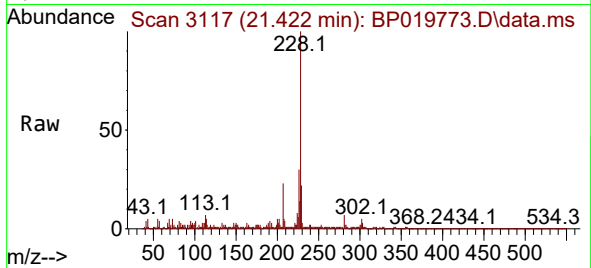
Tgt Ion:228 Resp: 223889

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.2

229 22.2 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.748 ng

RT: 21.304 min Scan# 3097

Delta R.T. -0.006 min

Lab File: BP019773.D

Acq: 19 Feb 2024 20:52

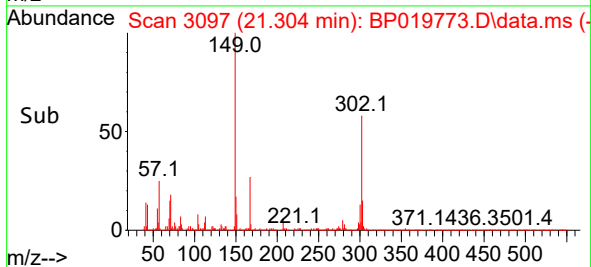
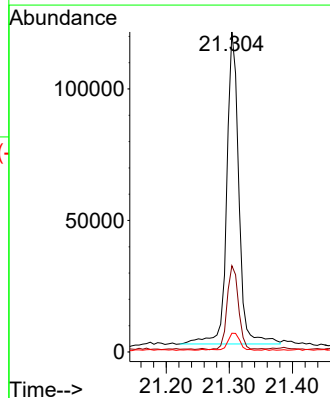
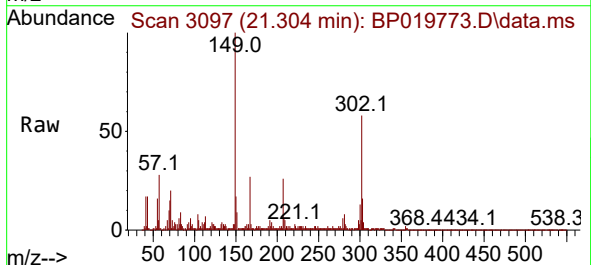
Tgt Ion:149 Resp: 157845

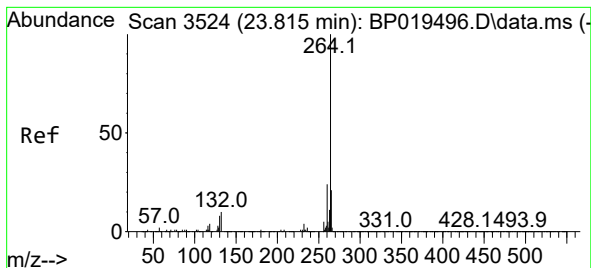
Ion Ratio Lower Upper

149 100

167 27.0 22.7 34.1

279 5.9 4.2 6.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.810 min Scan# 3

Delta R.T. 0.000 min

Lab File: BP019773.D

Acq: 19 Feb 2024 20:52

Instrument :

BNA_P

ClientSampleId :

WC-1D

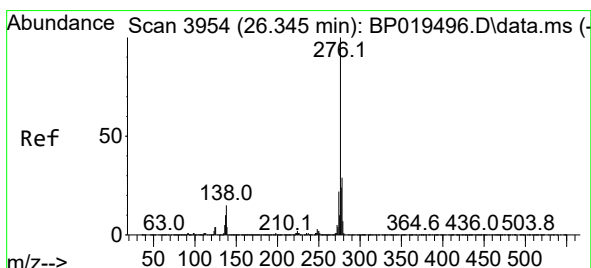
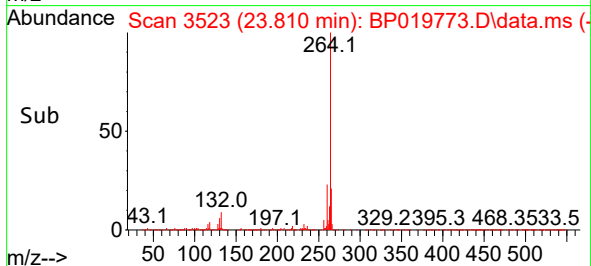
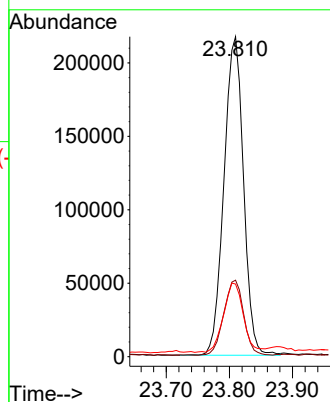
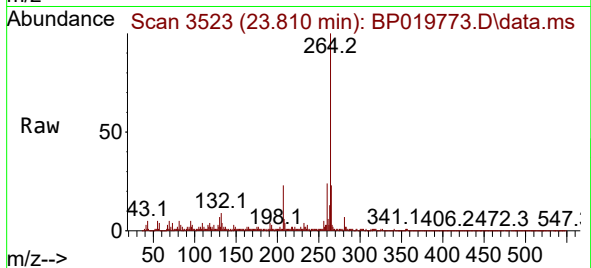
Tgt Ion:264 Resp: 465671

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 22.7 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.978 ng

RT: 26.333 min Scan# 3952

Delta R.T. -0.012 min

Lab File: BP019773.D

Acq: 19 Feb 2024 20:52

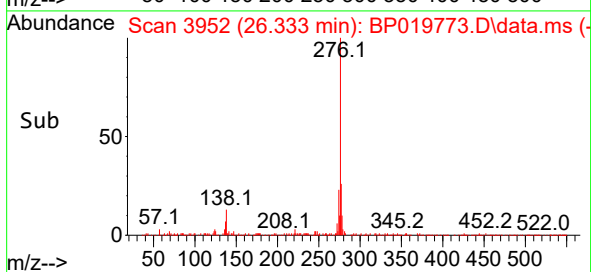
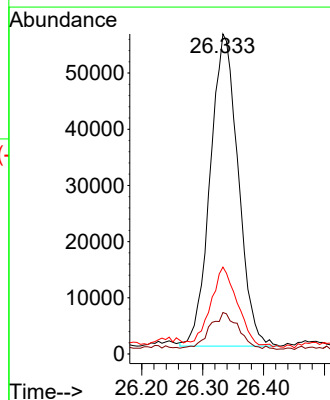
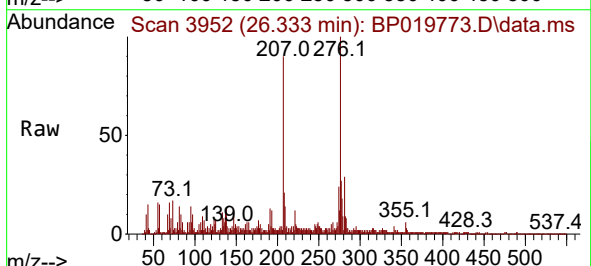
Tgt Ion:276 Resp: 177438

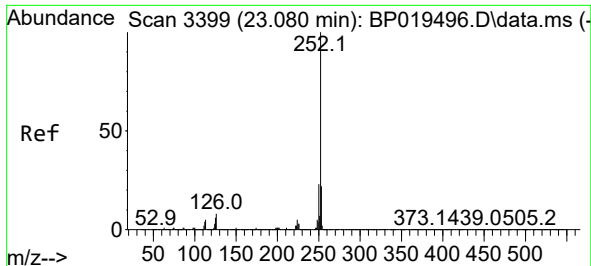
Ion Ratio Lower Upper

276 100

138 11.6 13.1 19.7#

277 25.0 20.3 30.5

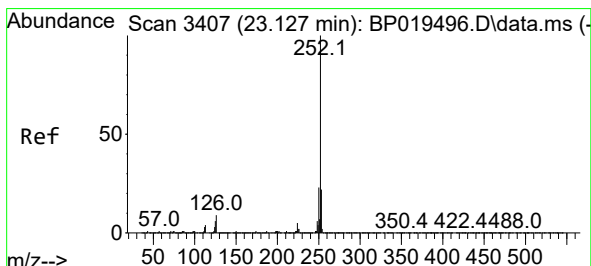
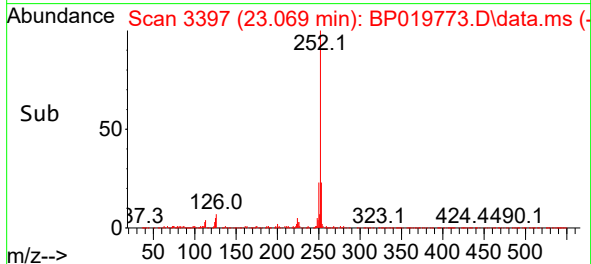
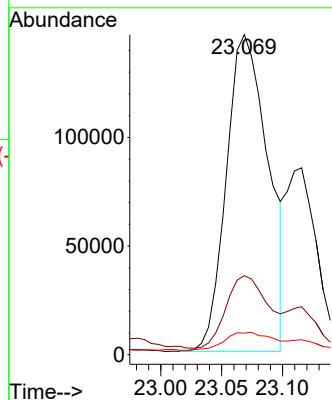
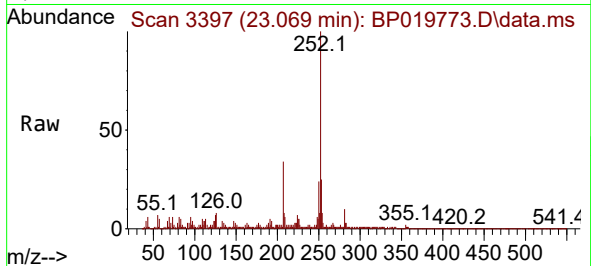




#88
Benzo(b)fluoranthene
Concen: 11.865 ng
RT: 23.069 min Scan# 3397
Delta R.T. -0.006 min
Lab File: BP019773.D
Acq: 19 Feb 2024 20:52

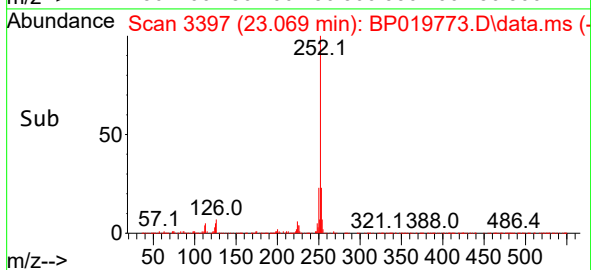
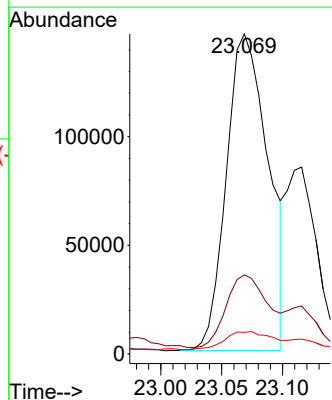
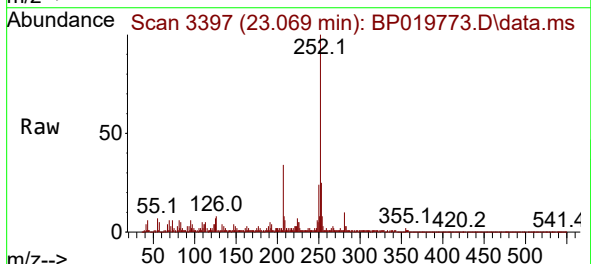
Instrument :
BNA_P
ClientSampleId :
WC-1D

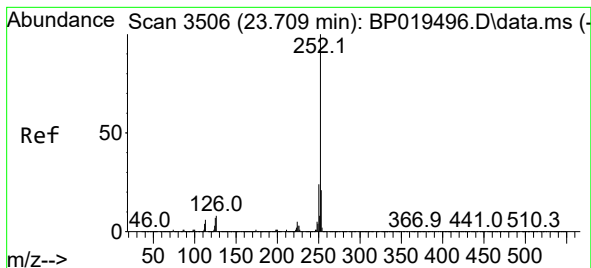
Tgt Ion:252 Resp: 348222
Ion Ratio Lower Upper
252 100
253 24.7 17.3 25.9
125 6.8 4.9 7.3



#89
Benzo(k)fluoranthene
Concen: 12.421 ng
RT: 23.069 min Scan# 3397
Delta R.T. -0.053 min
Lab File: BP019773.D
Acq: 19 Feb 2024 20:52

Tgt Ion:252 Resp: 348222
Ion Ratio Lower Upper
252 100
253 24.7 17.1 25.7
125 6.8 5.0 7.6





#90

Benzo(a)pyrene

Concen: 9.764 ng

RT: 23.698 min Scan# 3504

Delta R.T. -0.006 min

Lab File: BP019773.D

Acq: 19 Feb 2024 20:52

Instrument :

BNA_P

ClientSampleId :

WC-1D

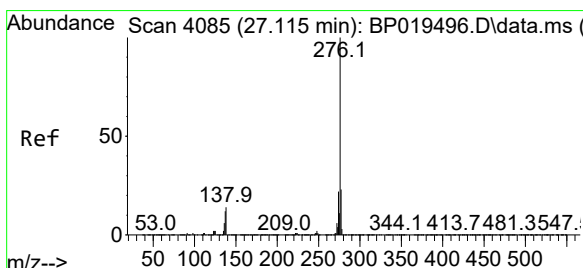
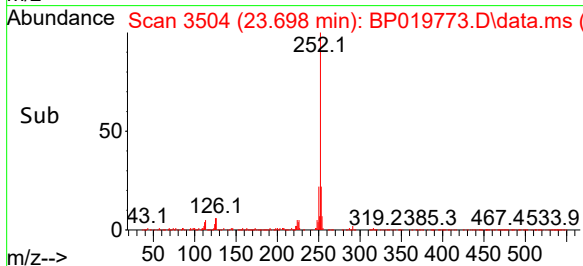
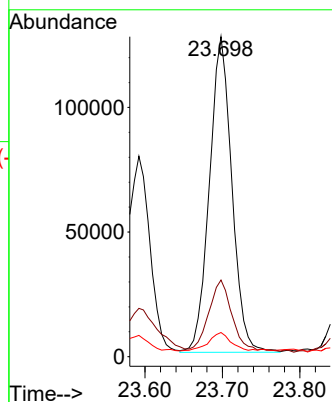
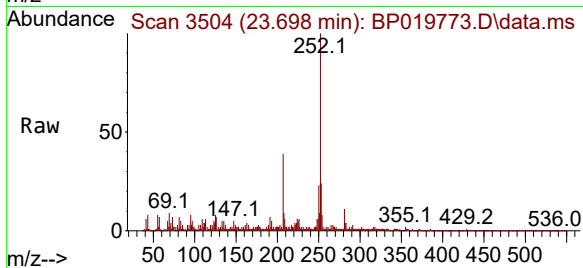
Tgt Ion:252 Resp: 254970

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

125 7.6 5.6 8.4



#92

Benzo(g,h,i)perylene

Concen: 5.906 ng

RT: 27.115 min Scan# 4085

Delta R.T. -0.006 min

Lab File: BP019773.D

Acq: 19 Feb 2024 20:52

Tgt Ion:276 Resp: 175661

Ion Ratio Lower Upper

276 100

277 25.8 18.6 28.0

138 14.3 10.9 16.3

