

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022124\
 Data File : BP019814.D
 Acq On : 21 Feb 2024 18:36
 Operator : MA/JU
 Sample : P1537-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 6

Quant Time: Feb 22 00:15:06 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)

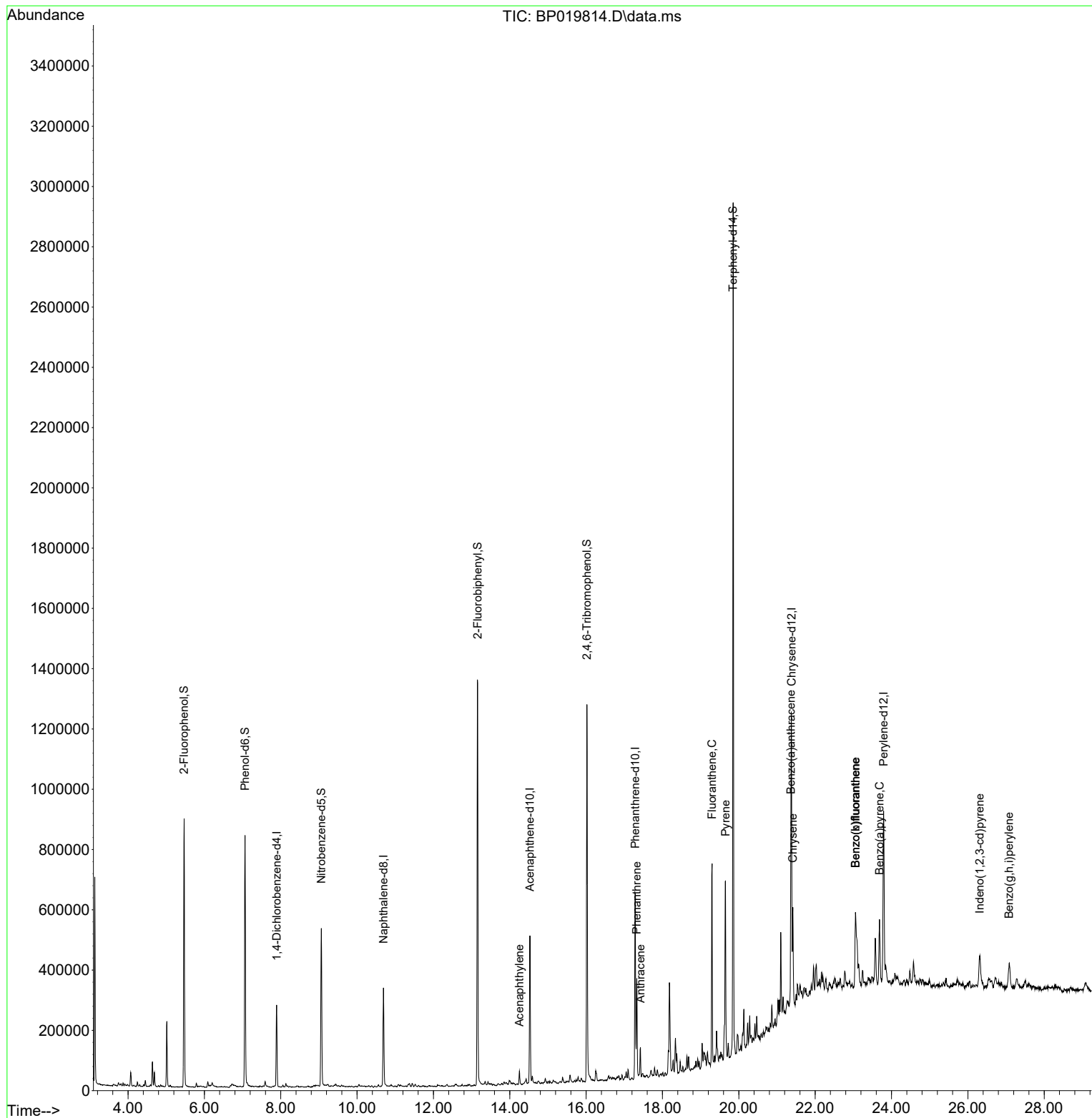
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	74010	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	267008	20.000	ng	0.00
39) Acenaphthene-d10	14.528	164	180002	20.000	ng	-0.01
64) Phenanthrene-d10	17.287	188	411807	20.000	ng	0.00
76) Chrysene-d12	21.380	240	427437	20.000	ng	#-0.01
86) Perylene-d12	23.792	264	487749	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.470	112	369867	80.556	ng	0.00
7) Phenol-d6	7.064	99	478593	77.306	ng	0.00
23) Nitrobenzene-d5	9.063	82	327164	53.094	ng	0.00
42) 2,4,6-Tribromophenol	16.022	330	276921	105.367	ng	-0.01
45) 2-Fluorobiphenyl	13.157	172	752007	51.647	ng	0.00
79) Terphenyl-d14	19.851	244	1409252	54.220	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.251	152	33560	2.028	ng	98
71) Phenanthrene	17.328	178	204148	9.420	ng	99
72) Anthracene	17.422	178	67010	3.100	ng	100
75) Fluoranthene	19.298	202	408364	15.425	ng	99
78) Pyrene	19.651	202	390243	12.936	ng	99
81) Benzo(a)anthracene	21.363	228	211063	7.015	ng	94
83) Chrysene	21.416	228	199987	7.001	ng	98
87) Indeno(1,2,3-cd)pyrene	26.310	276	122113	3.271	ng	# 96
88) Benzo(b)fluoranthene	23.057	252	258018	8.393	ng	96
89) Benzo(k)fluoranthene	23.057	252	258018	8.787	ng	96
90) Benzo(a)pyrene	23.686	252	180820	6.611	ng	# 93
92) Benzo(g,h,i)perylene	27.080	276	128540	4.126	ng	96

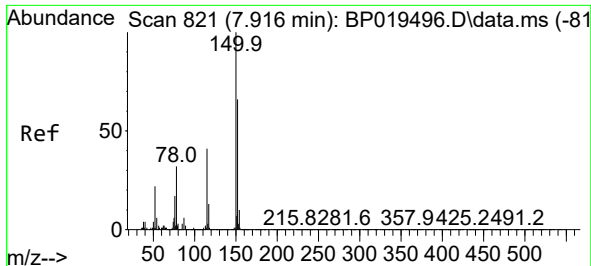
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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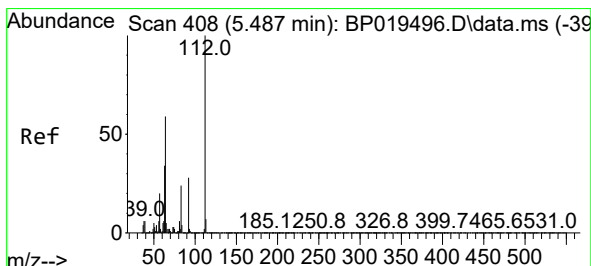
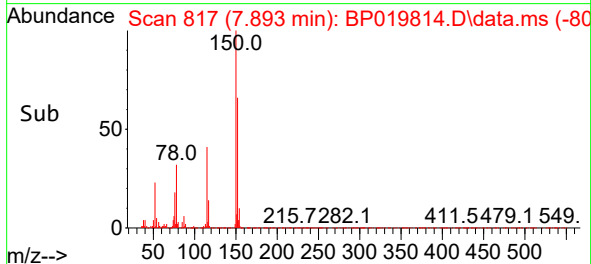
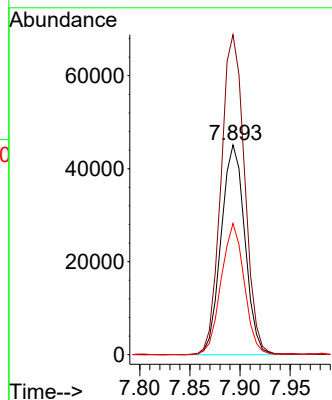
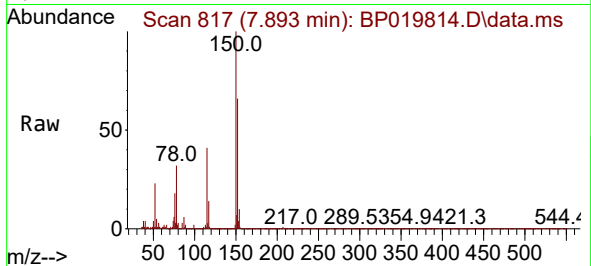




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019814.D
Acq: 21 Feb 2024 18:36

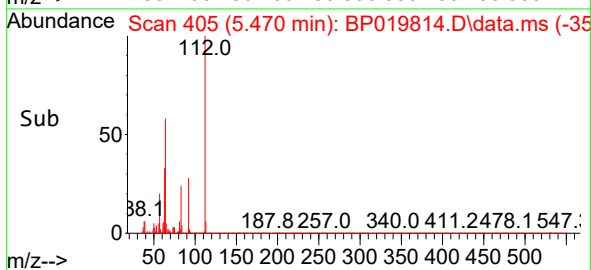
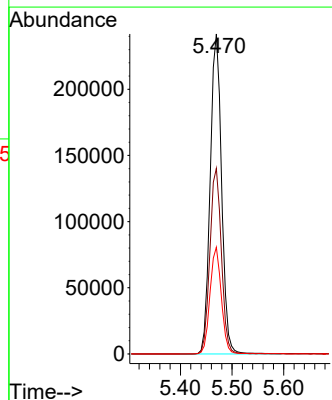
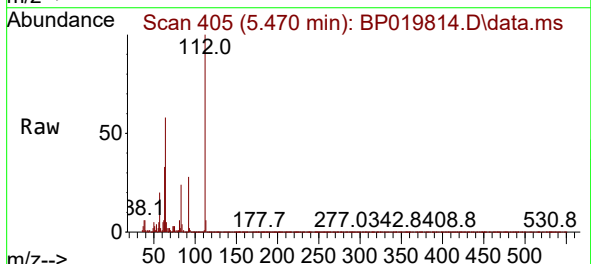
Instrument :
BNA_P
ClientSampleId :
6

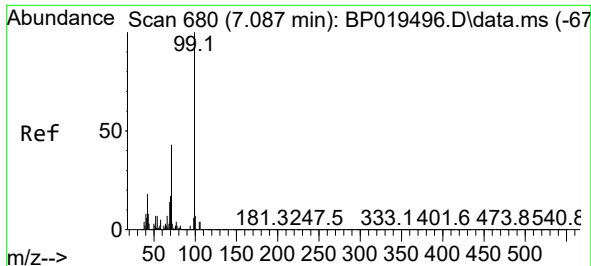
Tgt Ion:152 Resp: 74010
Ion Ratio Lower Upper
152 100
150 152.6 121.8 182.8
115 62.5 49.9 74.9



#5
2-Fluorophenol
Concen: 80.556 ng
RT: 5.470 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP019814.D
Acq: 21 Feb 2024 18:36

Tgt Ion:112 Resp: 369867
Ion Ratio Lower Upper
112 100
64 58.0 47.4 71.0
63 33.3 27.0 40.6

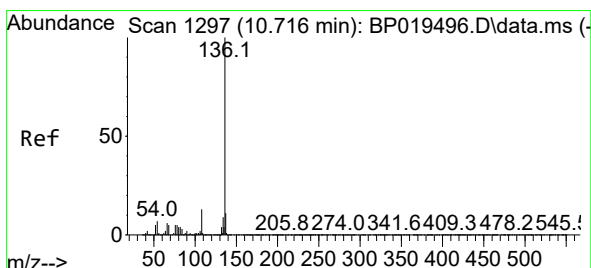
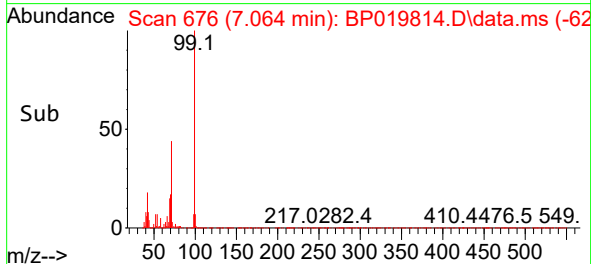
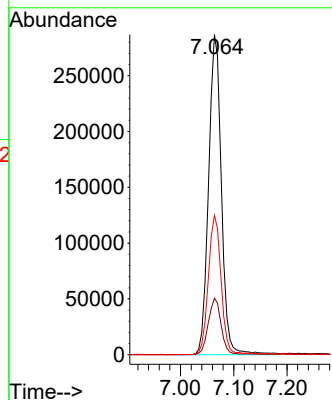
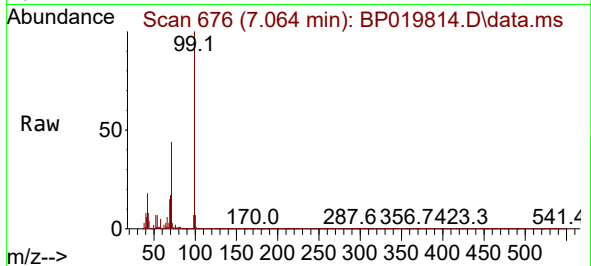




#7
Phenol-d6
Concen: 77.306 ng
RT: 7.064 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019814.D
Acq: 21 Feb 2024 18:36

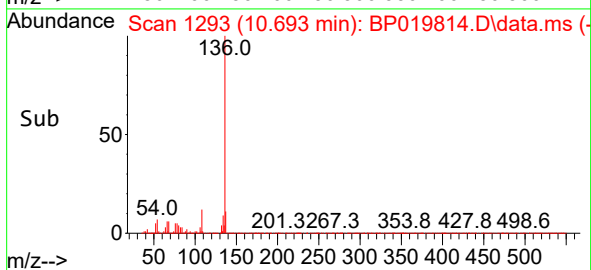
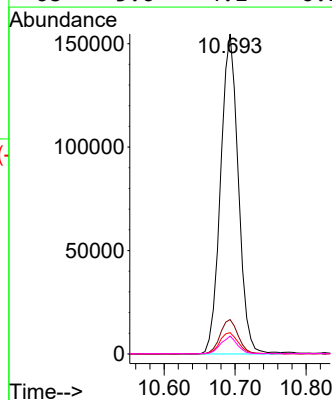
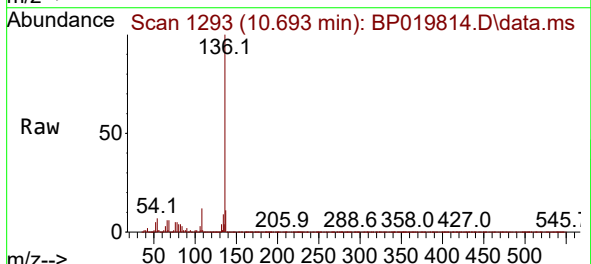
Instrument :
BNA_P
ClientSampleId :
6

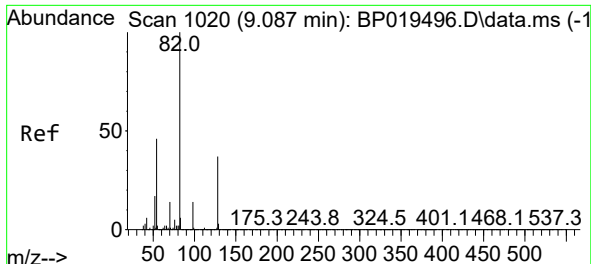
Tgt Ion: 99 Resp: 478593
Ion Ratio Lower Upper
99 100
42 17.7 14.7 22.1
71 43.6 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP019814.D
Acq: 21 Feb 2024 18:36

Tgt Ion: 136 Resp: 267008
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.6 5.3 7.9
68 5.6 4.1 6.1





#23

Nitrobenzene-d5

Concen: 53.094 ng

RT: 9.063 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BP019814.D

Acq: 21 Feb 2024 18:36

Instrument :

BNA_P

ClientSampleId :

6

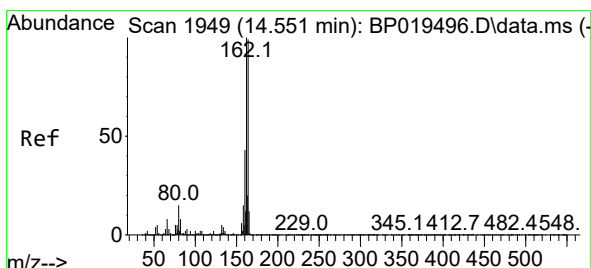
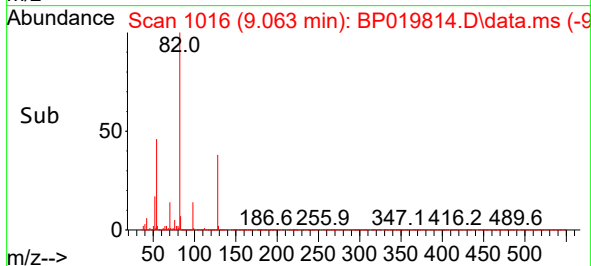
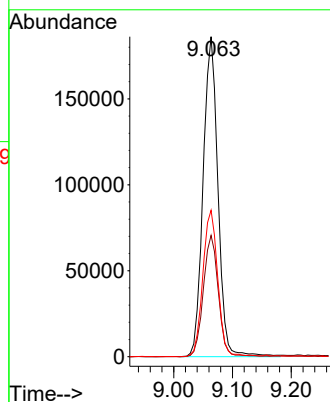
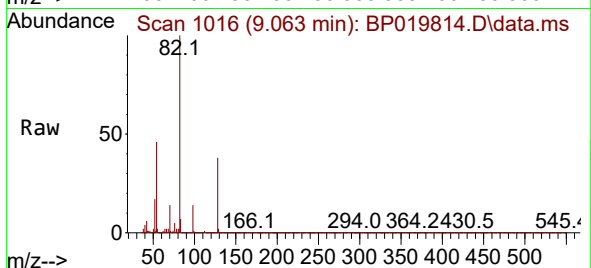
Tgt Ion: 82 Resp: 327164

Ion Ratio Lower Upper

82 100

128 37.9 29.7 44.5

54 45.7 36.8 55.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.528 min Scan# 1945

Delta R.T. -0.012 min

Lab File: BP019814.D

Acq: 21 Feb 2024 18:36

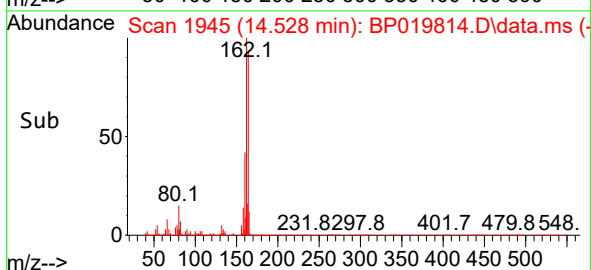
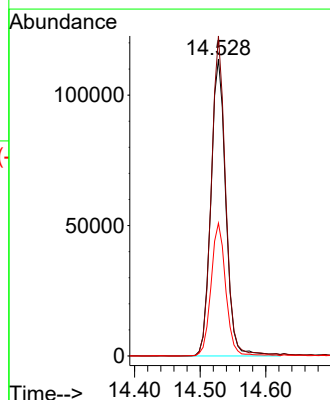
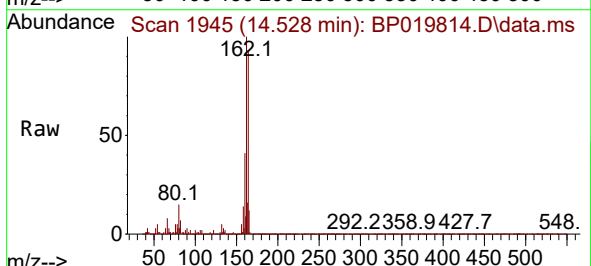
Tgt Ion: 164 Resp: 180002

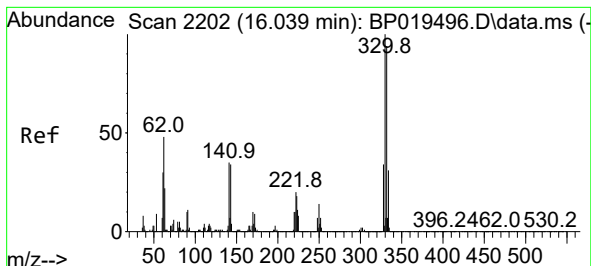
Ion Ratio Lower Upper

164 100

162 107.8 81.2 121.8

160 44.7 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 105.367 ng

RT: 16.022 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP019814.D

Acq: 21 Feb 2024 18:36

Instrument :

BNA_P

ClientSampleId :

6

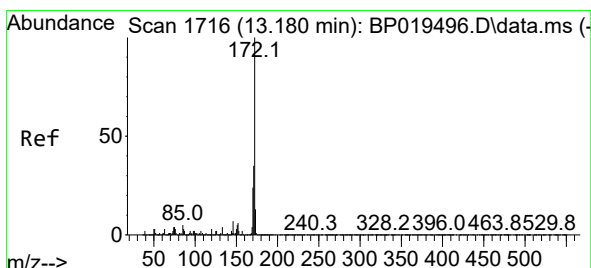
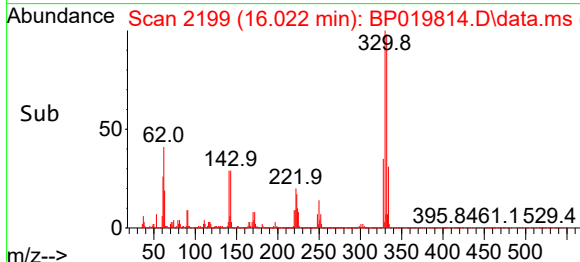
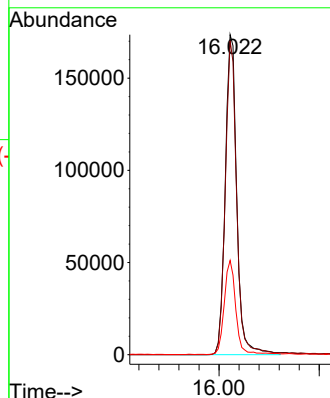
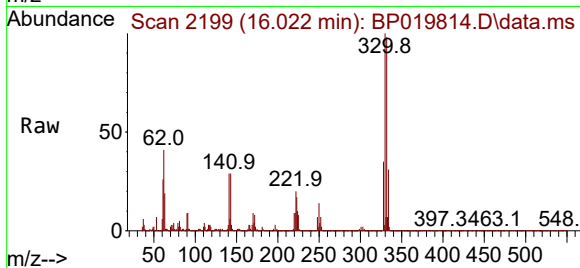
Tgt Ion:330 Resp: 276921

Ion Ratio Lower Upper

330 100

332 97.0 77.2 115.8

141 29.0 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 51.647 ng

RT: 13.157 min Scan# 1712

Delta R.T. -0.006 min

Lab File: BP019814.D

Acq: 21 Feb 2024 18:36

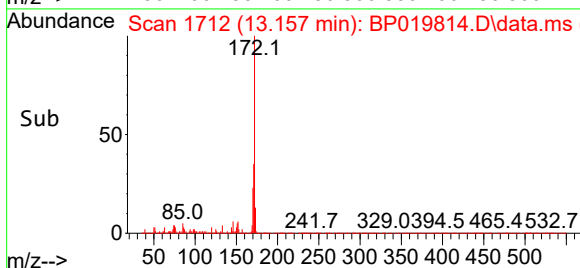
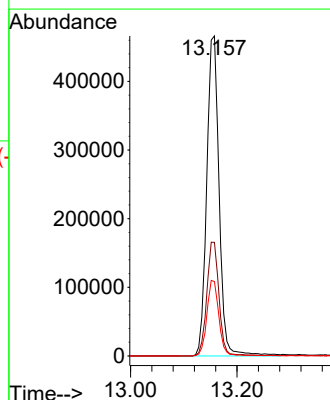
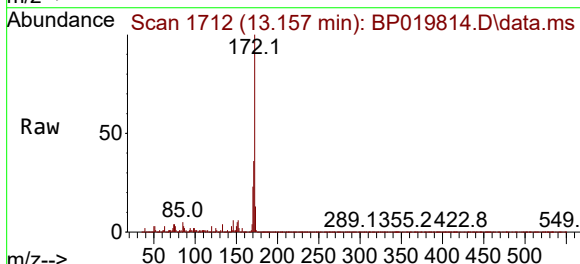
Tgt Ion:172 Resp: 752007

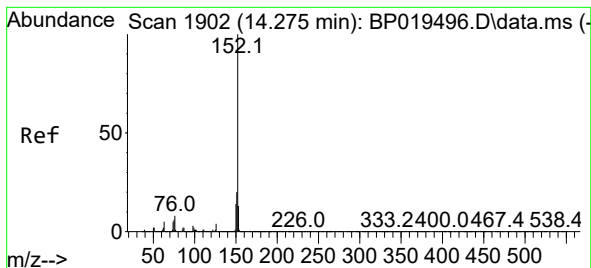
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 23.2 18.9 28.3





#49

Acenaphthylene

Concen: 2.028 ng

RT: 14.251 min Scan# 11

Delta R.T. -0.012 min

Lab File: BP019814.D

Acq: 21 Feb 2024 18:36

Instrument :

BNA_P

ClientSampleId :

6

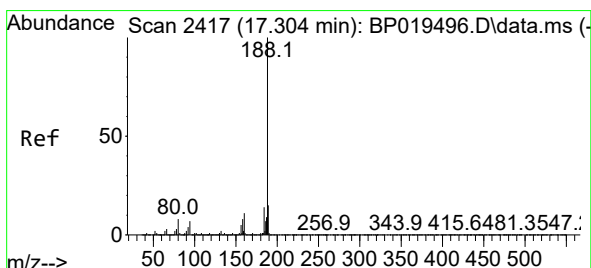
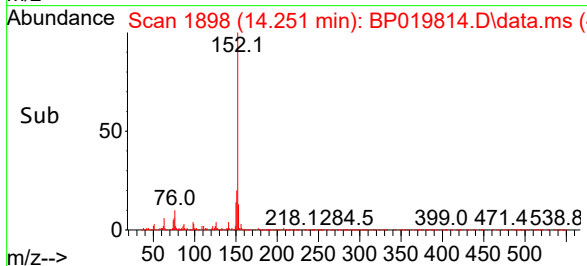
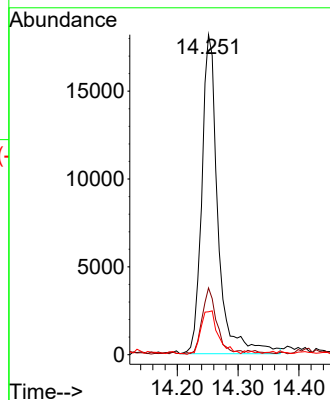
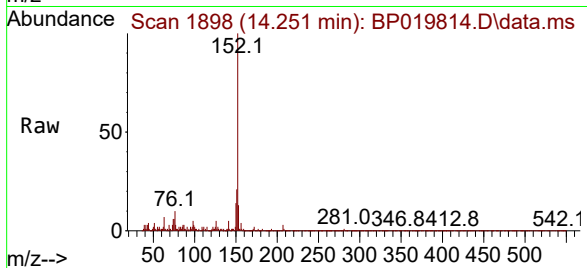
Tgt Ion:152 Resp: 33560

Ion Ratio Lower Upper

152 100

151 20.9 15.8 23.6

153 13.4 10.6 15.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.287 min Scan# 2414

Delta R.T. -0.006 min

Lab File: BP019814.D

Acq: 21 Feb 2024 18:36

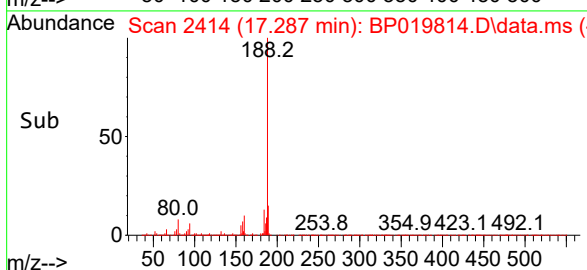
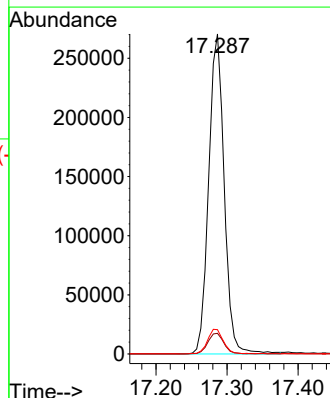
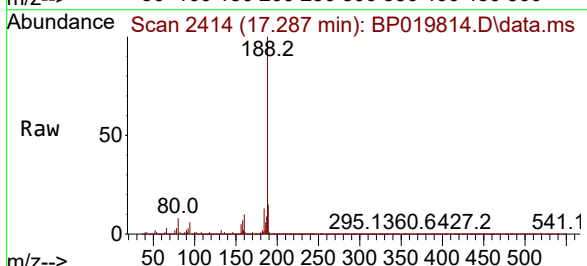
Tgt Ion:188 Resp: 411807

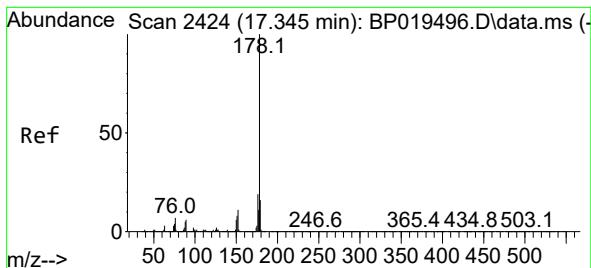
Ion Ratio Lower Upper

188 100

94 6.4 5.4 8.2

80 7.6 6.3 9.5





#71

Phenanthrene

Concen: 9.420 ng

RT: 17.328 min Scan# 2421

Delta R.T. -0.012 min

Lab File: BP019814.D

Acq: 21 Feb 2024 18:36

Instrument :

BNA_P

ClientSampleId :

6

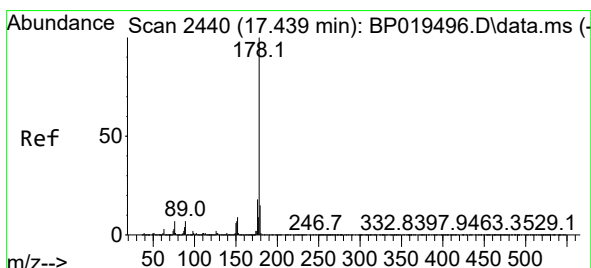
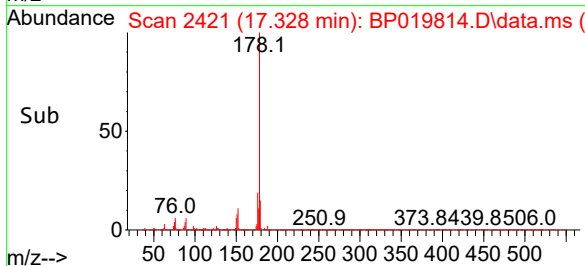
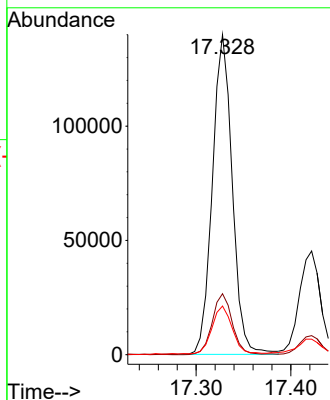
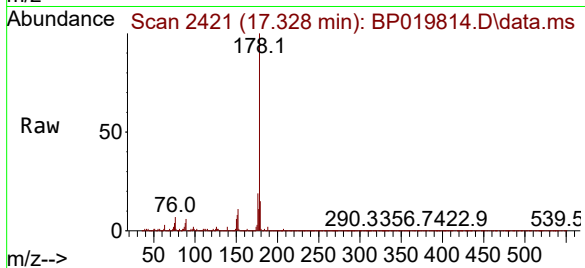
Tgt Ion:178 Resp: 204148

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 15.2 12.6 19.0



#72

Anthracene

Concen: 3.100 ng

RT: 17.422 min Scan# 2437

Delta R.T. -0.006 min

Lab File: BP019814.D

Acq: 21 Feb 2024 18:36

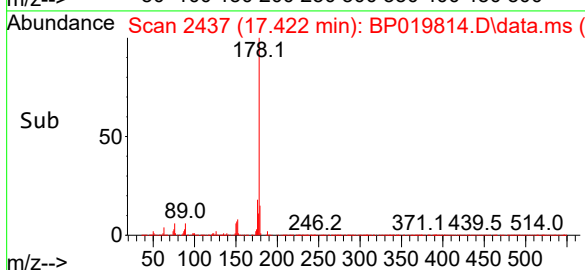
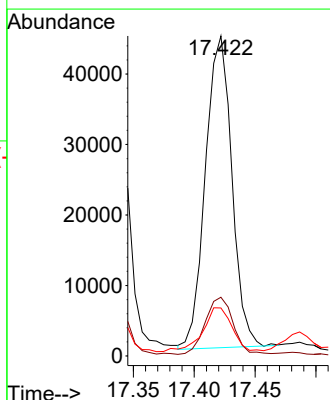
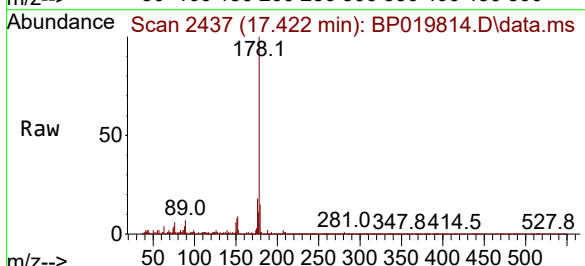
Tgt Ion:178 Resp: 67010

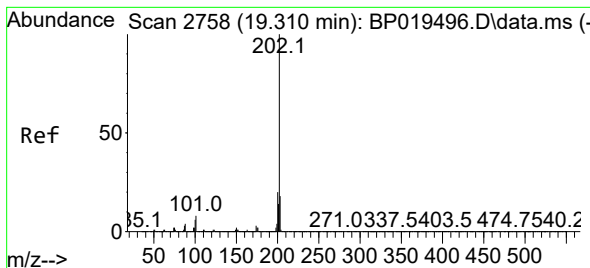
Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

179 15.0 12.2 18.2





#75

Fluoranthene

Concen: 15.425 ng

RT: 19.298 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019814.D

Acq: 21 Feb 2024 18:36

Instrument :

BNA_P

ClientSampleId :

6

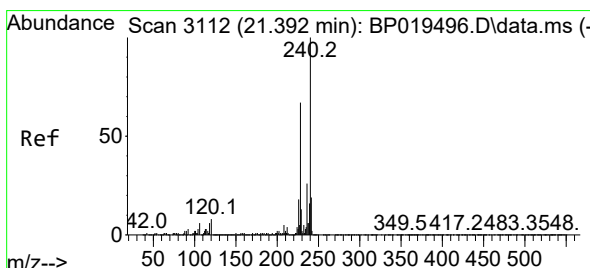
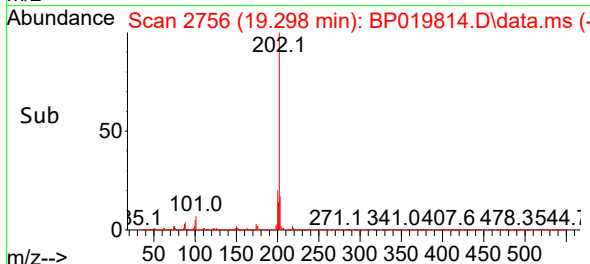
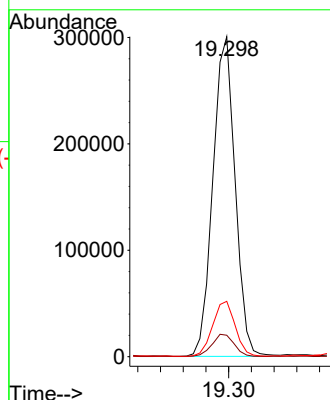
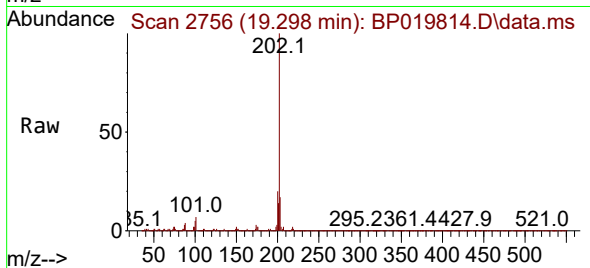
Tgt Ion:202 Resp: 408364

Ion Ratio Lower Upper

202 100

101 6.7 0.0 27.7

203 17.3 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.380 min Scan# 3110

Delta R.T. -0.012 min

Lab File: BP019814.D

Acq: 21 Feb 2024 18:36

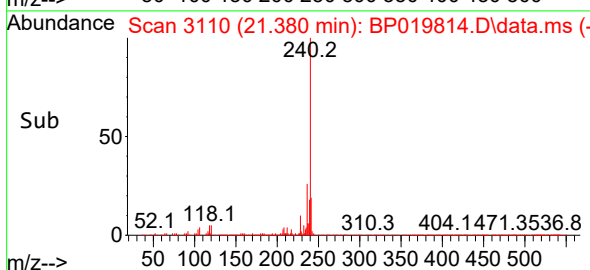
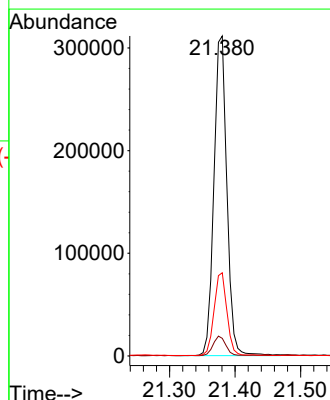
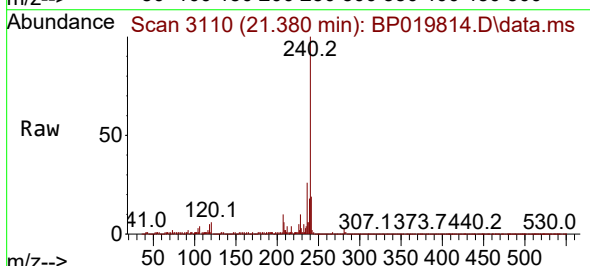
Tgt Ion:240 Resp: 427437

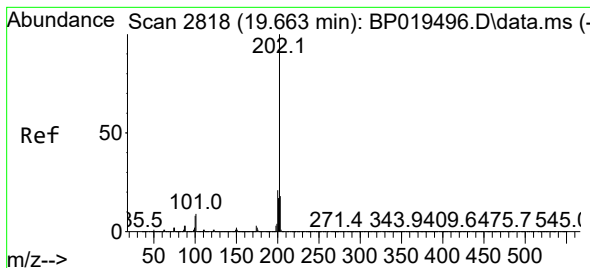
Ion Ratio Lower Upper

240 100

120 5.5 6.1 9.1#

236 26.0 20.7 31.1





#78

Pyrene

Concen: 12.936 ng

RT: 19.651 min Scan# 2816

Delta R.T. -0.006 min

Lab File: BP019814.D

Acq: 21 Feb 2024 18:36

Instrument :

BNA_P

ClientSampleId :

6

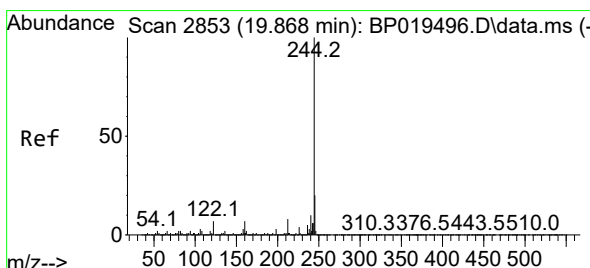
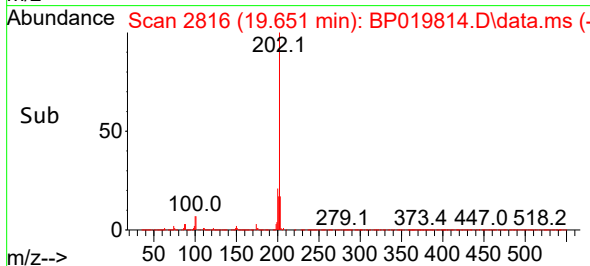
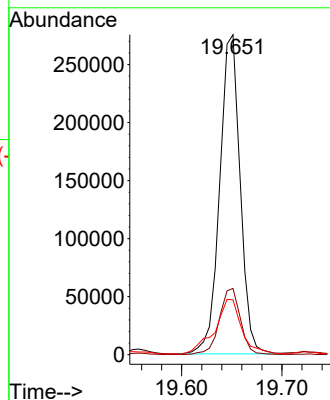
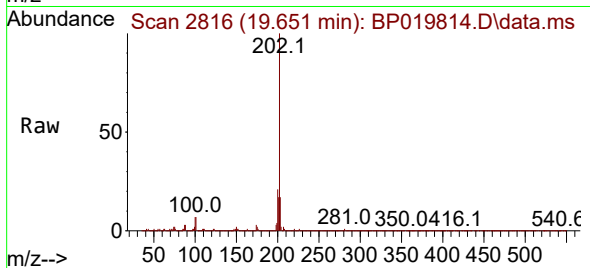
Tgt Ion:202 Resp: 390243

Ion Ratio Lower Upper

202 100

200 20.7 16.9 25.3

203 17.1 14.2 21.2



#79

Terphenyl-d14

Concen: 54.220 ng

RT: 19.851 min Scan# 2850

Delta R.T. -0.012 min

Lab File: BP019814.D

Acq: 21 Feb 2024 18:36

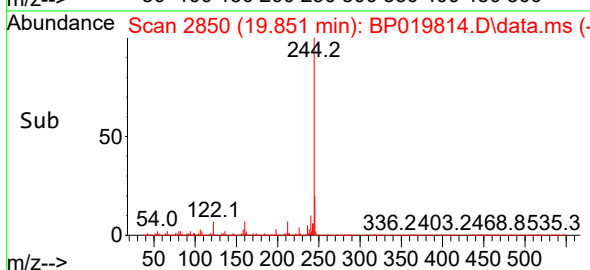
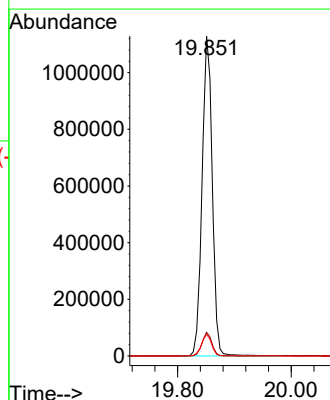
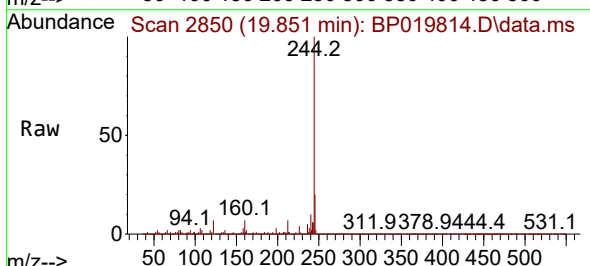
Tgt Ion:244 Resp: 1409252

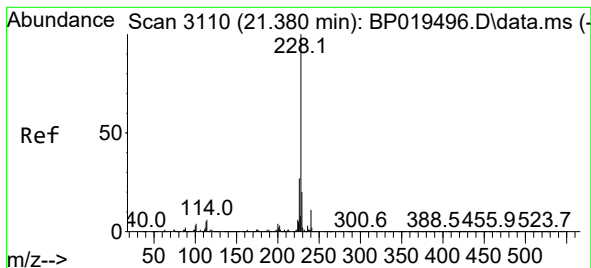
Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

122 6.8 5.9 8.9





#81

Benzo(a)anthracene

Concen: 7.015 ng

RT: 21.363 min Scan# 3110

Delta R.T. -0.012 min

Lab File: BP019814.D

Acq: 21 Feb 2024 18:36

Instrument :

BNA_P

ClientSampleId :

6

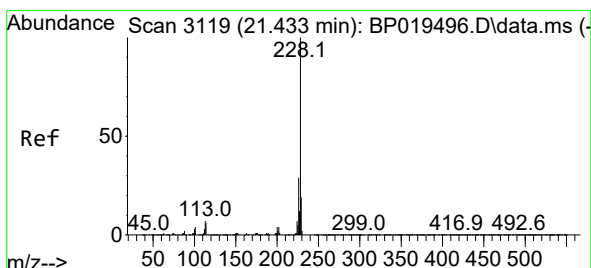
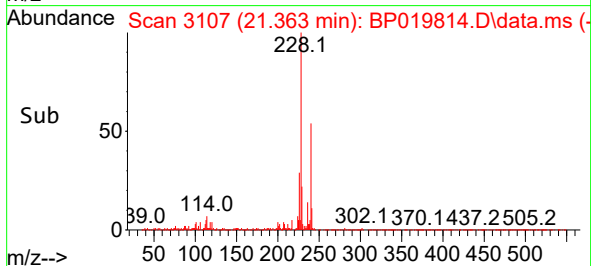
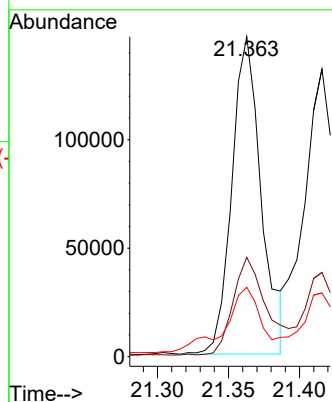
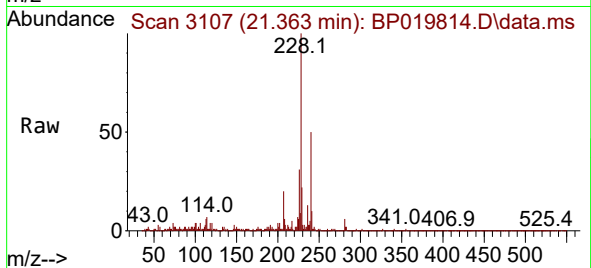
Tgt Ion:228 Resp: 211063

Ion Ratio Lower Upper

228 100

226 31.1 21.7 32.5

229 21.7 15.6 23.4



#83

Chrysene

Concen: 7.001 ng

RT: 21.416 min Scan# 3116

Delta R.T. -0.012 min

Lab File: BP019814.D

Acq: 21 Feb 2024 18:36

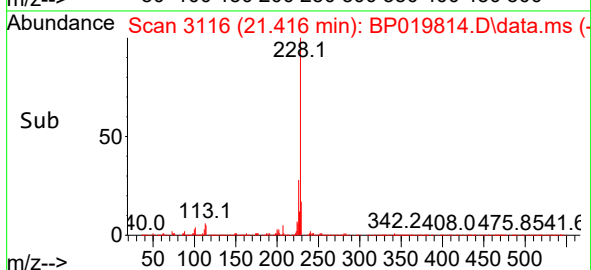
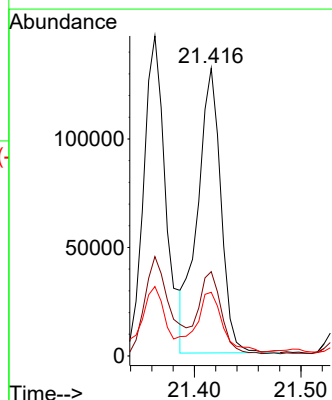
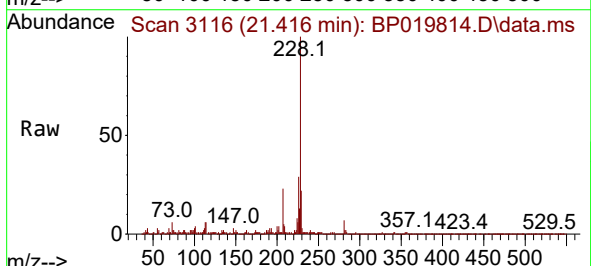
Tgt Ion:228 Resp: 199987

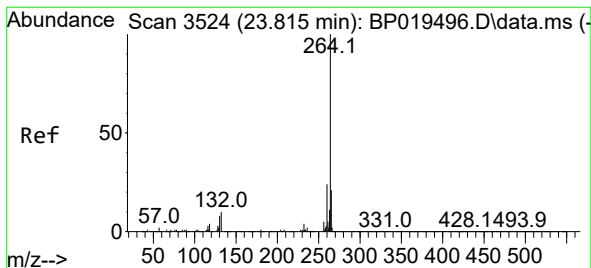
Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.2

229 22.1 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.792 min Scan# 31

Delta R.T. -0.017 min

Lab File: BP019814.D

Acq: 21 Feb 2024 18:36

Instrument :

BNA_P

ClientSampleId :

6

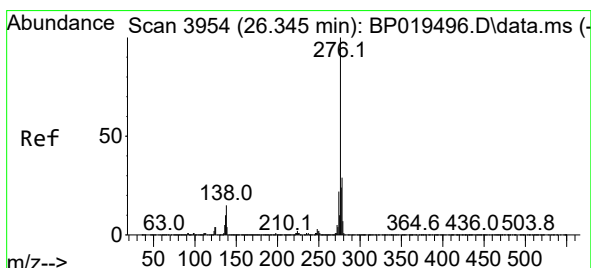
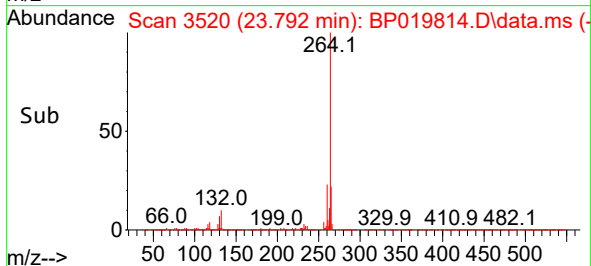
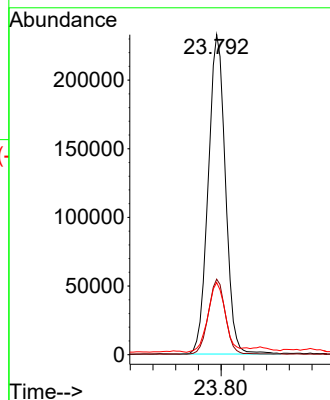
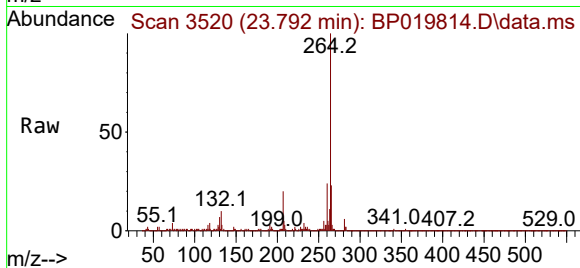
Tgt Ion:264 Resp: 487749

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 22.6 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.271 ng

RT: 26.310 min Scan# 3948

Delta R.T. -0.035 min

Lab File: BP019814.D

Acq: 21 Feb 2024 18:36

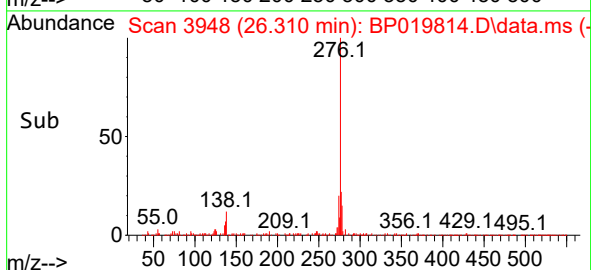
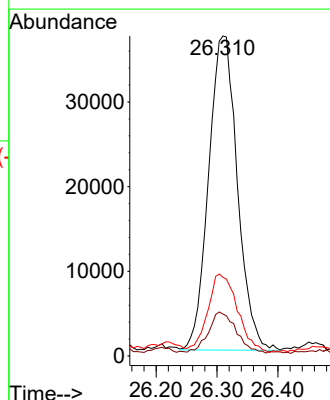
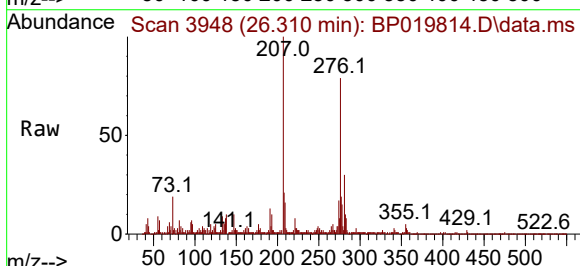
Tgt Ion:276 Resp: 122113

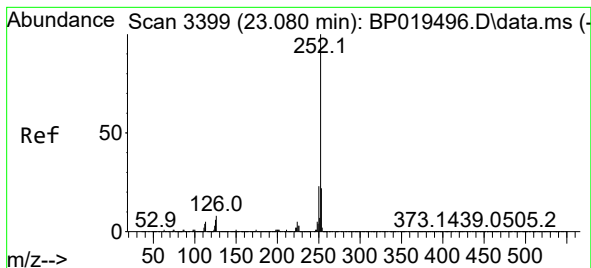
Ion Ratio Lower Upper

276 100

138 12.7 13.1 19.7#

277 25.9 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 8.393 ng

RT: 23.057 min Scan# 3395

Delta R.T. -0.017 min

Lab File: BP019814.D

Acq: 21 Feb 2024 18:36

Instrument :

BNA_P

ClientSampleId :

6

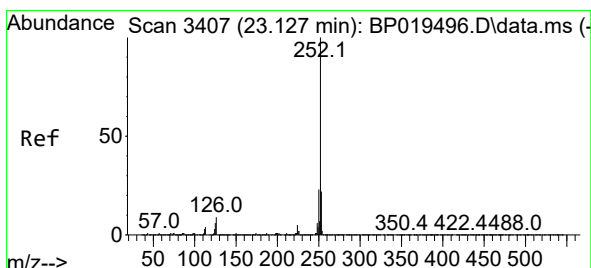
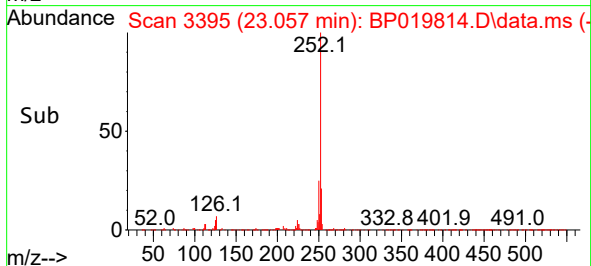
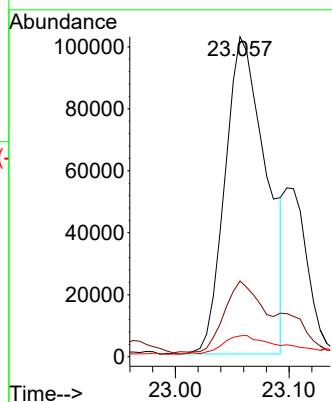
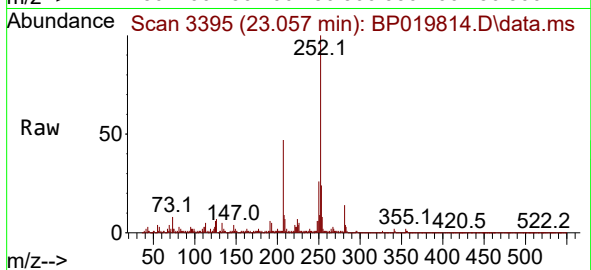
Tgt Ion:252 Resp: 258018

Ion Ratio Lower Upper

252 100

253 23.7 17.3 25.9

125 6.5 4.9 7.3



#89

Benzo(k)fluoranthene

Concen: 8.787 ng

RT: 23.057 min Scan# 3395

Delta R.T. -0.064 min

Lab File: BP019814.D

Acq: 21 Feb 2024 18:36

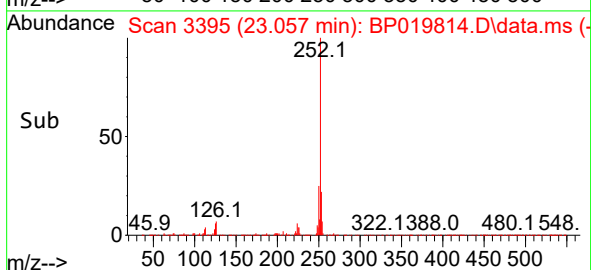
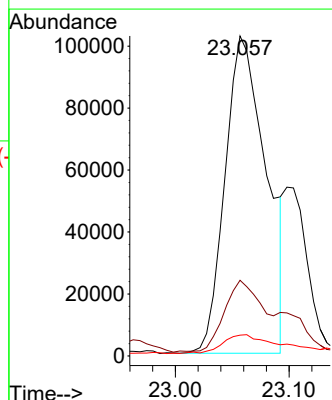
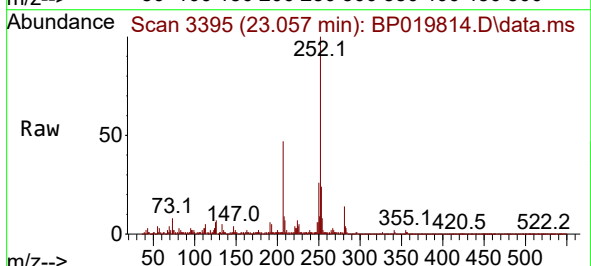
Tgt Ion:252 Resp: 258018

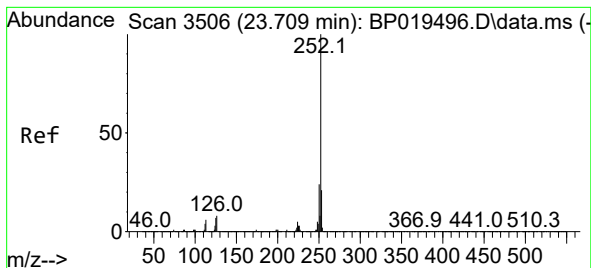
Ion Ratio Lower Upper

252 100

253 23.7 17.1 25.7

125 6.5 5.0 7.6





#90

Benzo(a)pyrene

Concen: 6.611 ng

RT: 23.686 min Scan# 3

Delta R.T. -0.017 min

Lab File: BP019814.D

Acq: 21 Feb 2024 18:36

Instrument :

BNA_P

ClientSampleId :

6

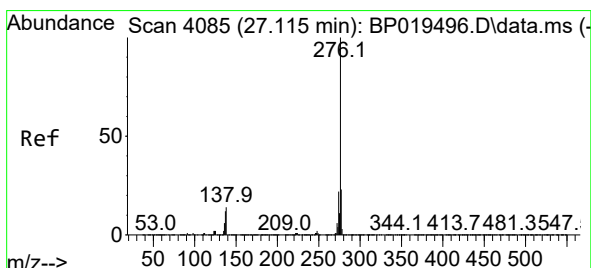
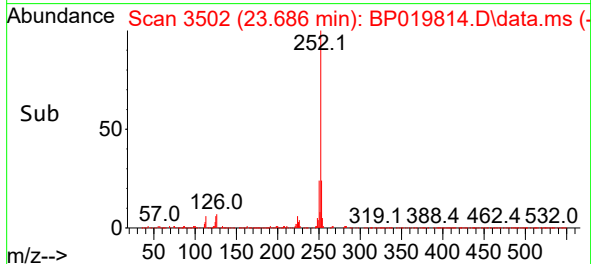
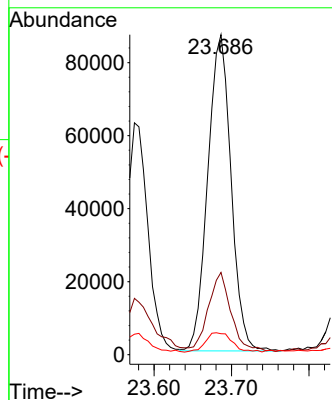
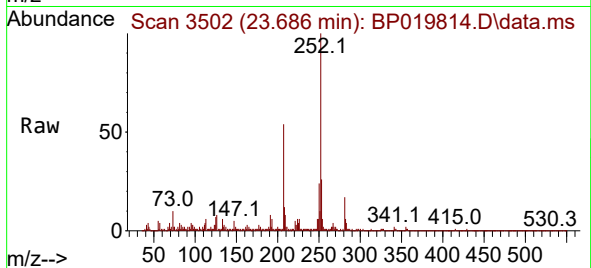
Tgt Ion:252 Resp: 180820

Ion Ratio Lower Upper

252 100

253 25.7 17.1 25.7#

125 6.6 5.6 8.4



#92

Benzo(g,h,i)perylene

Concen: 4.126 ng

RT: 27.080 min Scan# 4079

Delta R.T. -0.041 min

Lab File: BP019814.D

Acq: 21 Feb 2024 18:36

Tgt Ion:276 Resp: 128540

Ion Ratio Lower Upper

276 100

277 24.5 18.6 28.0

138 11.5 10.9 16.3

