

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022224\
 Data File : BP019836.D
 Acq On : 22 Feb 2024 21:46
 Operator : MA/JU
 Sample : P1537-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 1

Quant Time: Feb 23 01:00:17 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)

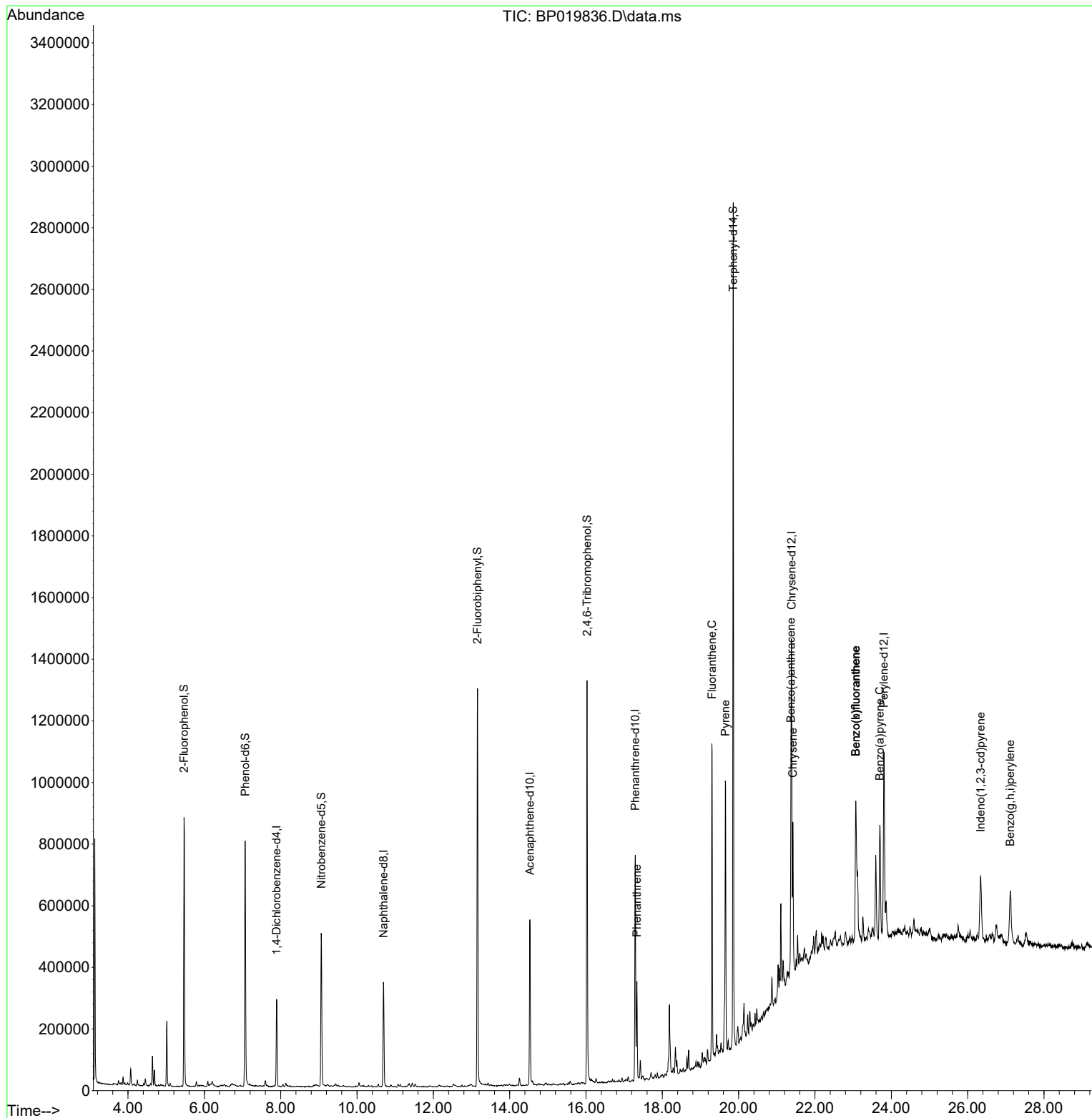
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	77792	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	285326	20.000	ng	0.00
39) Acenaphthene-d10	14.528	164	202507	20.000	ng	-0.01
64) Phenanthrene-d10	17.292	188	475589	20.000	ng	0.00
76) Chrysene-d12	21.386	240	462292	20.000	ng	# 0.00
86) Perylene-d12	23.804	264	522600	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.470	112	365420	75.718	ng	0.00
7) Phenol-d6	7.069	99	458672	70.486	ng	0.00
23) Nitrobenzene-d5	9.063	82	314121	47.704	ng	0.00
42) 2,4,6-Tribromophenol	16.028	330	282792	95.643	ng	0.00
45) 2-Fluorobiphenyl	13.157	172	712008	43.465	ng	0.00
79) Terphenyl-d14	19.857	244	1378154	49.026	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.334	178	195721	7.820	ng	98
75) Fluoranthene	19.298	202	645425	21.109	ng	99
78) Pyrene	19.651	202	569396	17.452	ng	100
81) Benzo(a)anthracene	21.369	228	291548	8.959	ng	98
83) Chrysene	21.422	228	302747	9.799	ng	98
87) Indeno(1,2,3-cd)pyrene	26.339	276	254201	6.355	ng	# 94
88) Benzo(b)fluoranthene	23.069	252	470323	14.279	ng	96
89) Benzo(k)fluoranthene	23.069	252	470323	14.949	ng	96
90) Benzo(a)pyrene	23.698	252	320499	10.936	ng	95
92) Benzo(g,h,i)perylene	27.115	276	257629	7.718	ng	99

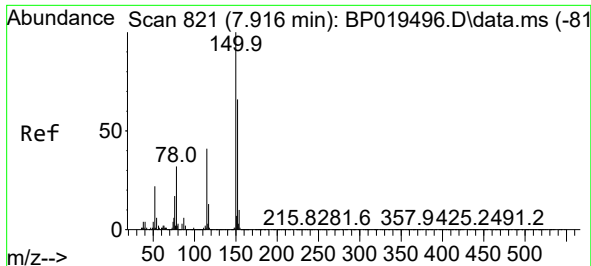
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022224\
Data File : BP019836.D
Acq On : 22 Feb 2024 21:46
Operator : MA/JU
Sample : P1537-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
1

Quant Time: Feb 23 01:00:17 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

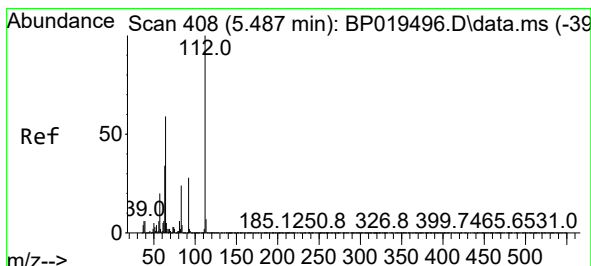
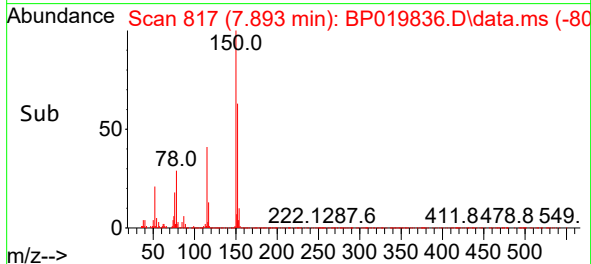
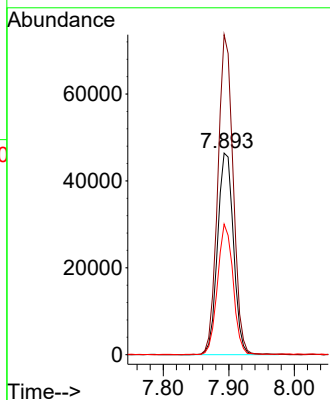
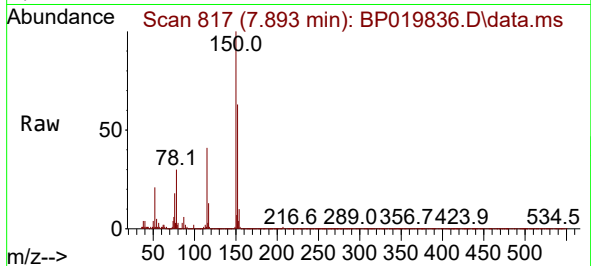




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46

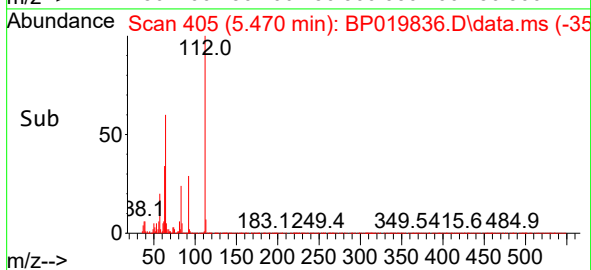
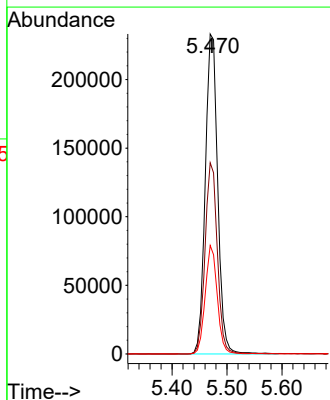
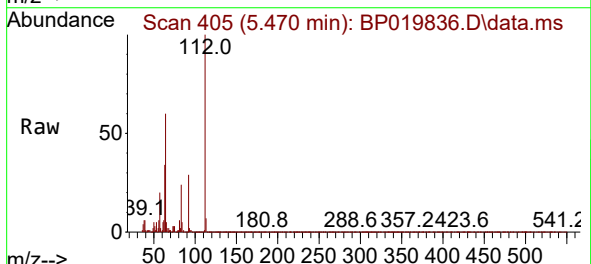
Instrument :
BNA_P
ClientSampleId :
1

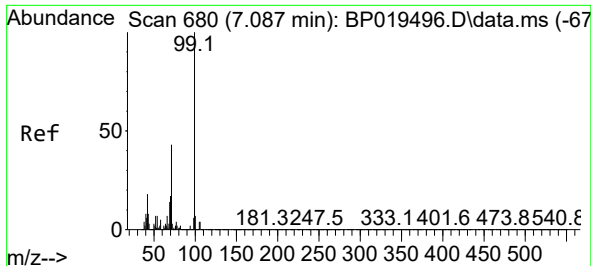
Tgt Ion:152 Resp: 77792
Ion Ratio Lower Upper
152 100
150 158.7 121.8 182.8
115 64.8 49.9 74.9



#5
2-Fluorophenol
Concen: 75.718 ng
RT: 5.470 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46

Tgt Ion:112 Resp: 365420
Ion Ratio Lower Upper
112 100
64 59.7 47.4 71.0
63 33.9 27.0 40.6

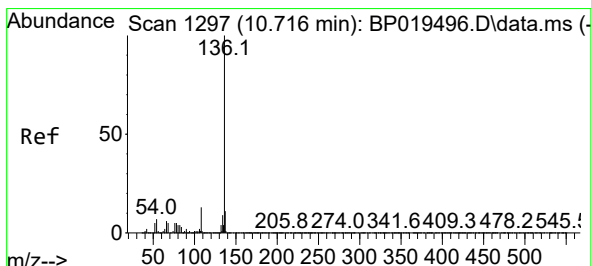
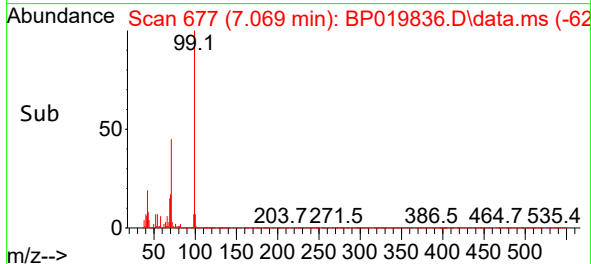
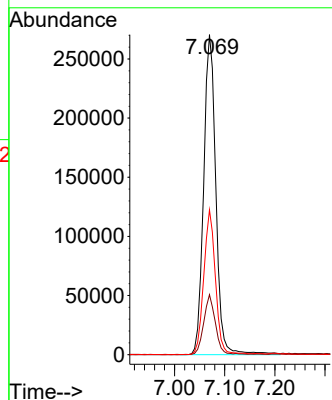
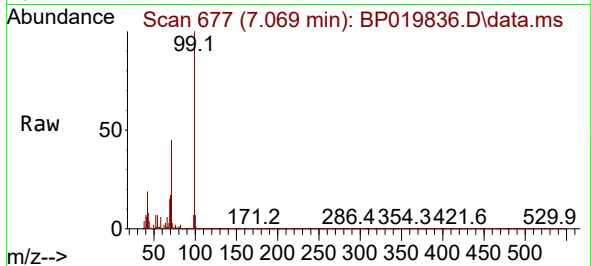




#7
Phenol-d6
Concen: 70.486 ng
RT: 7.069 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46

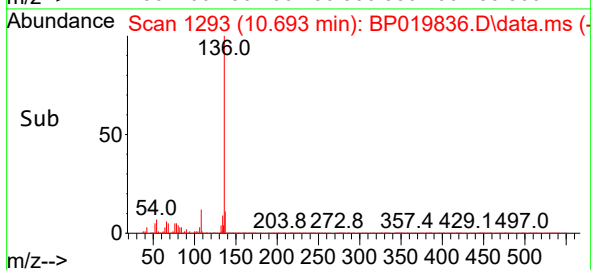
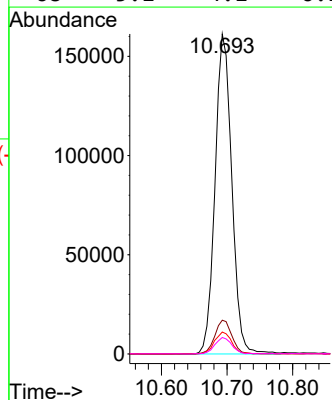
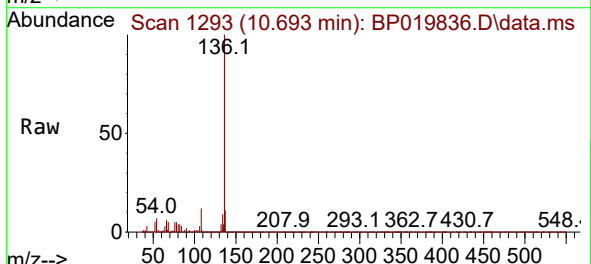
Instrument :
BNA_P
ClientSampleId :
1

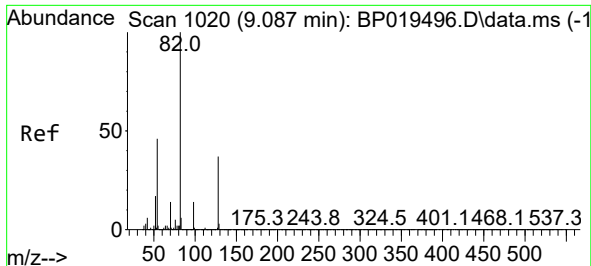
Tgt Ion: 99 Resp: 458672
Ion Ratio Lower Upper
99 100
42 18.7 14.7 22.1
71 45.2 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46

Tgt Ion: 136 Resp: 285326
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 6.8 5.3 7.9
68 5.1 4.1 6.1





#23

Nitrobenzene-d5

Concen: 47.704 ng

RT: 9.063 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BP019836.D

Acq: 22 Feb 2024 21:46

Instrument :

BNA_P

ClientSampleId :

1

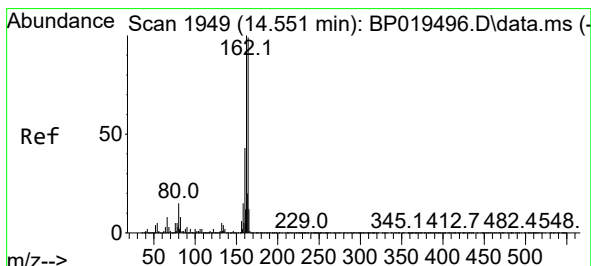
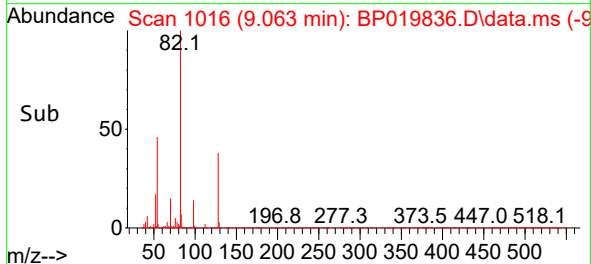
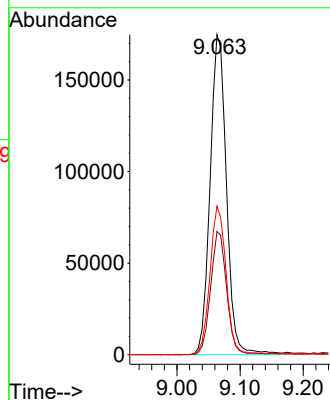
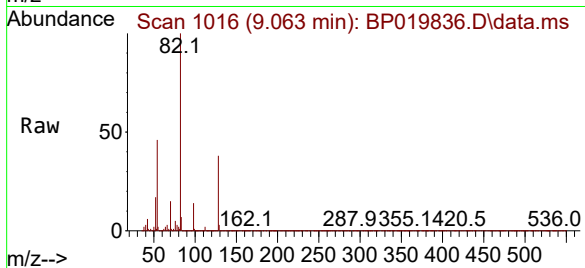
Tgt Ion: 82 Resp: 314121

Ion Ratio Lower Upper

82 100

128 38.5 29.7 44.5

54 46.4 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: BP019836.D

Acq: 22 Feb 2024 21:46

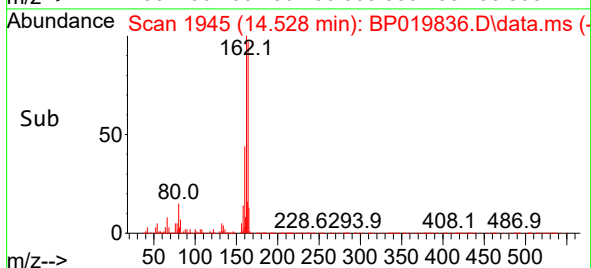
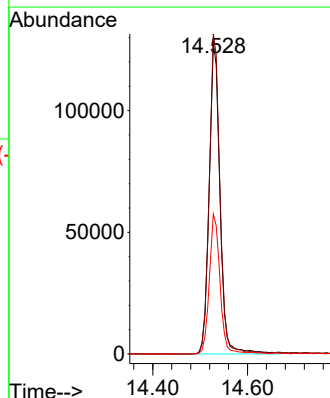
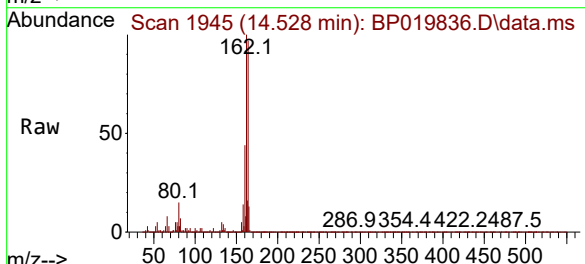
Tgt Ion:164 Resp: 202507

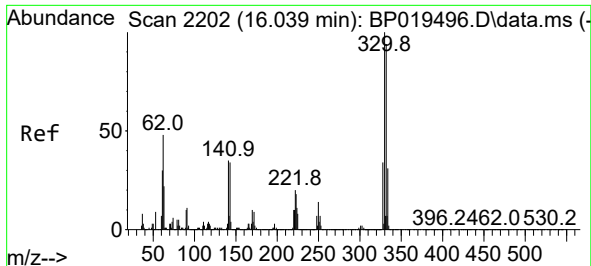
Ion Ratio Lower Upper

164 100

162 102.8 81.2 121.8

160 44.9 35.1 52.7

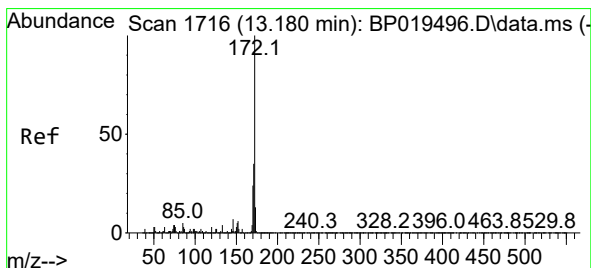
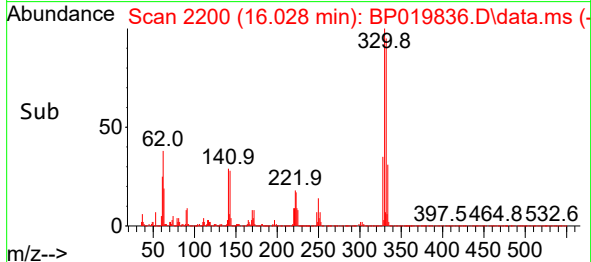
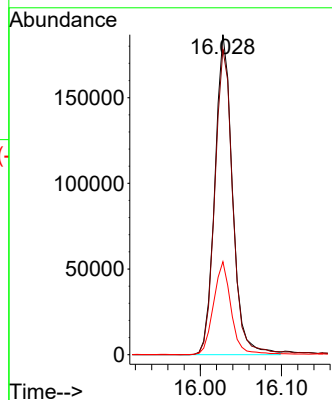
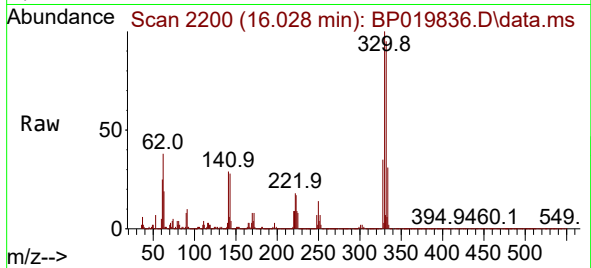




#42
2,4,6-Tribromophenol
Concen: 95.643 ng
RT: 16.028 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46

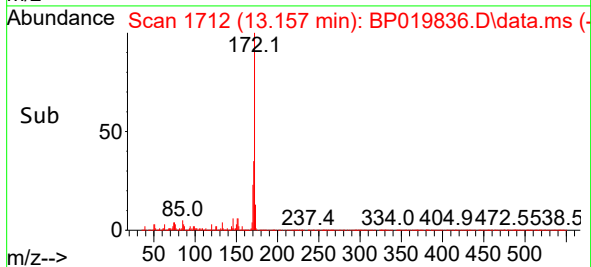
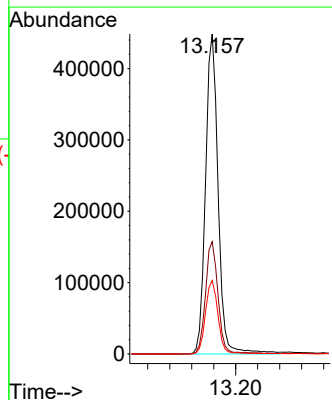
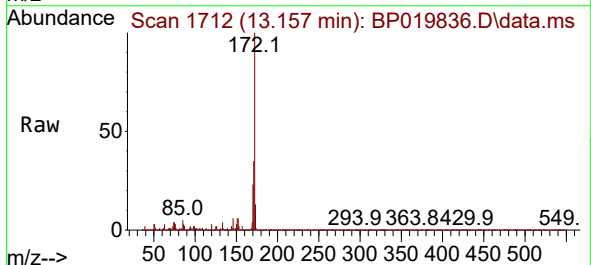
Instrument :
BNA_P
ClientSampleId :
1

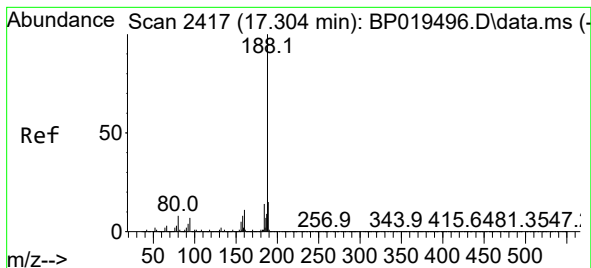
Tgt Ion:330 Resp: 282792
Ion Ratio Lower Upper
330 100
332 97.9 77.2 115.8
141 29.3 27.0 40.4



#45
2-Fluorobiphenyl
Concen: 43.465 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46

Tgt Ion:172 Resp: 712008
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.4
170 22.9 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: BP019836.D

Acq: 22 Feb 2024 21:46

Instrument :

BNA_P

ClientSampleId :

1

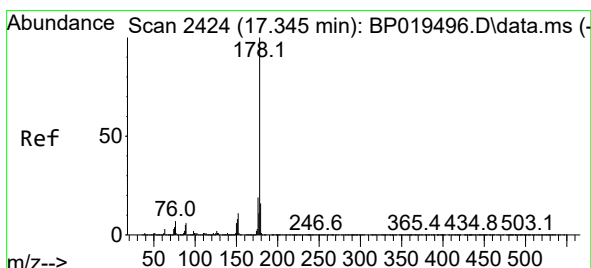
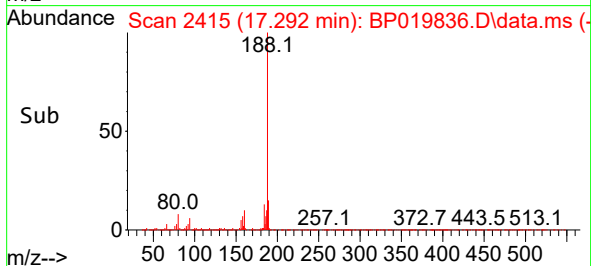
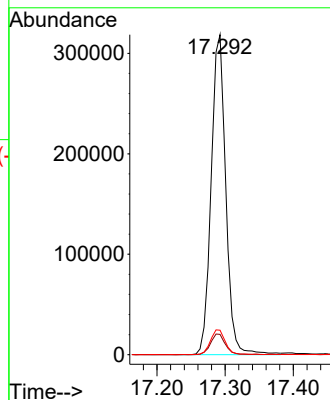
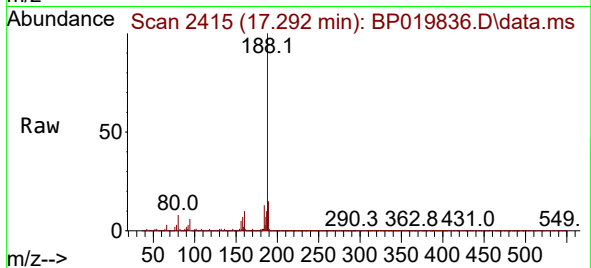
Tgt Ion:188 Resp: 475589

Ion Ratio Lower Upper

188 100

94 6.4 5.4 8.2

80 7.6 6.3 9.5



#71

Phenanthrene

Concen: 7.820 ng

RT: 17.334 min Scan# 2422

Delta R.T. -0.006 min

Lab File: BP019836.D

Acq: 22 Feb 2024 21:46

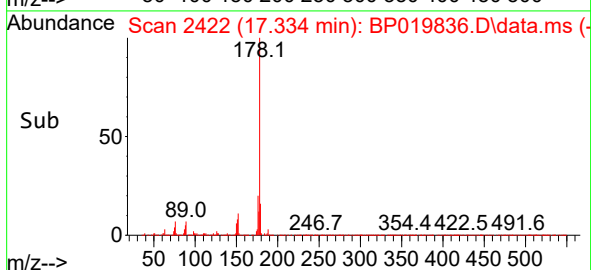
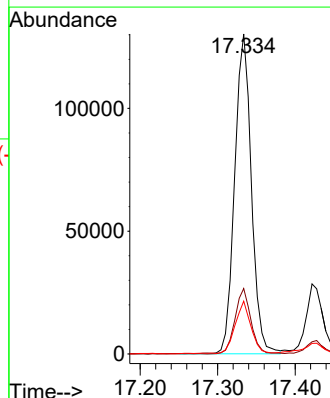
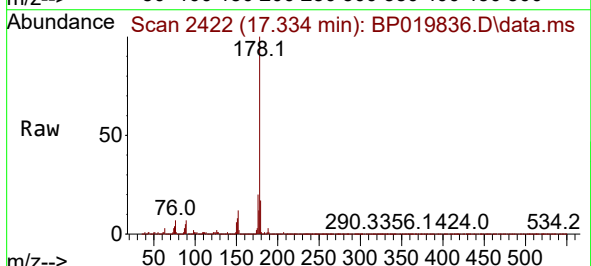
Tgt Ion:178 Resp: 195721

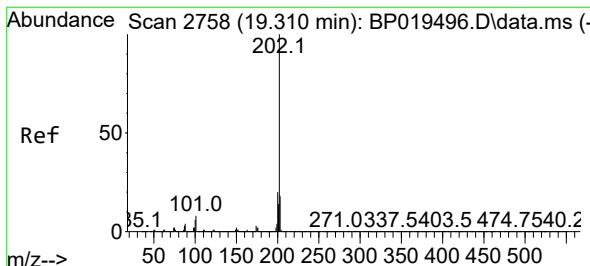
Ion Ratio Lower Upper

178 100

176 20.4 15.5 23.3

179 16.5 12.6 19.0





#75

Fluoranthene

Concen: 21.109 ng

RT: 19.298 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019836.D

Acq: 22 Feb 2024 21:46

Instrument :

BNA_P

ClientSampleId :

1

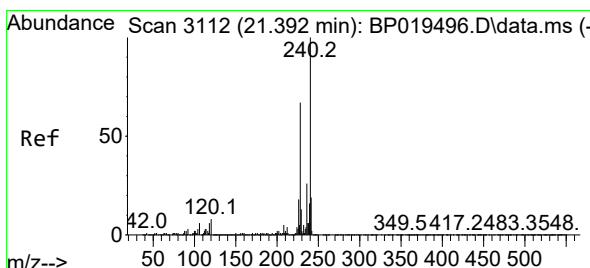
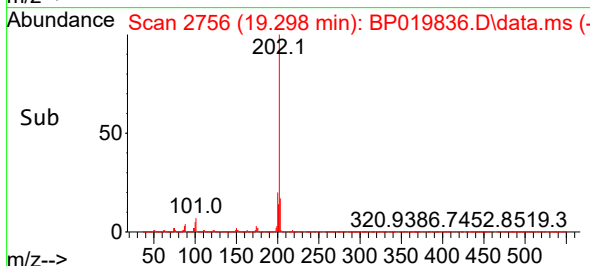
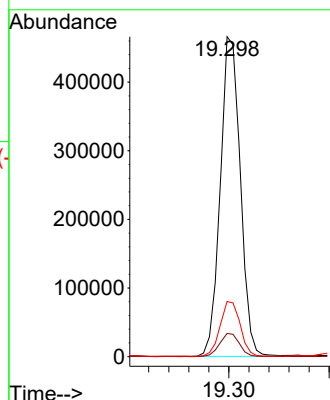
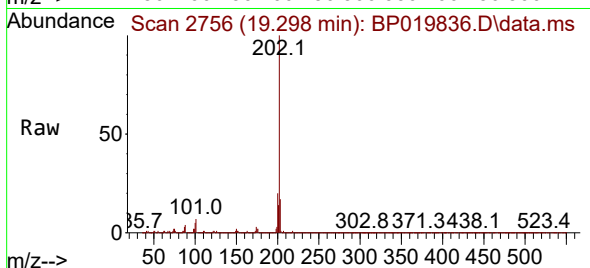
Tgt Ion:202 Resp: 645425

Ion Ratio Lower Upper

202 100

101 7.3 0.0 27.7

203 17.2 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: BP019836.D

Acq: 22 Feb 2024 21:46

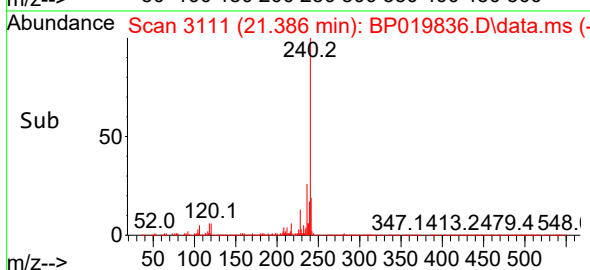
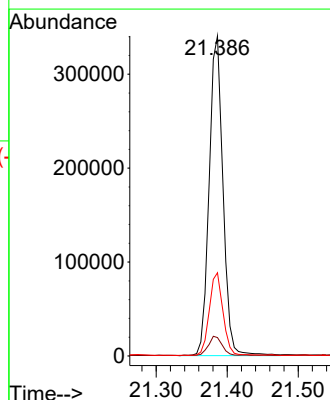
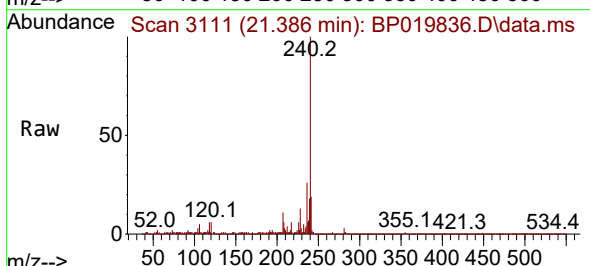
Tgt Ion:240 Resp: 462292

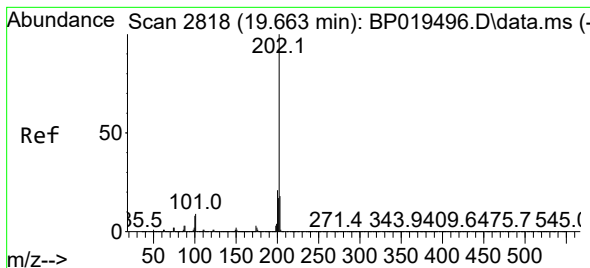
Ion Ratio Lower Upper

240 100

120 5.7 6.1 9.1#

236 26.0 20.7 31.1





#78

Pyrene

Concen: 17.452 ng

RT: 19.651 min Scan# 2816

Delta R.T. -0.006 min

Lab File: BP019836.D

Acq: 22 Feb 2024 21:46

Instrument :

BNA_P

ClientSampleId :

1

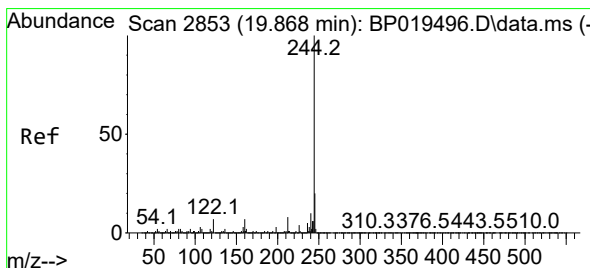
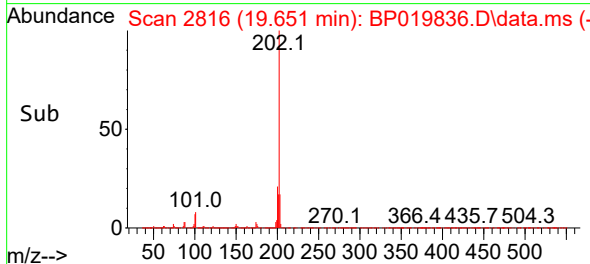
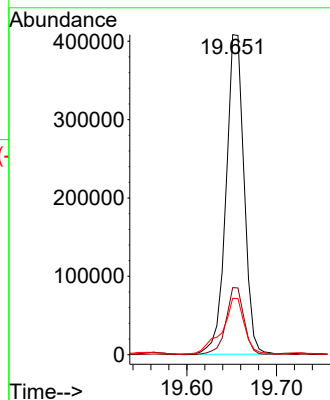
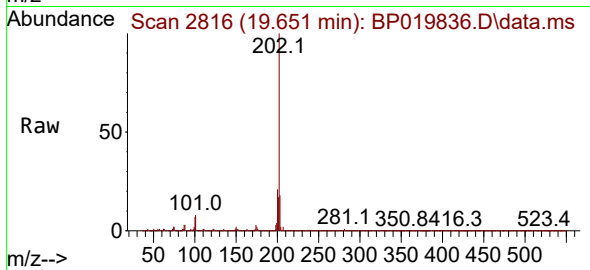
Tgt Ion:202 Resp: 569396

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 17.6 14.2 21.2



#79

Terphenyl-d14

Concen: 49.026 ng

RT: 19.857 min Scan# 2851

Delta R.T. -0.006 min

Lab File: BP019836.D

Acq: 22 Feb 2024 21:46

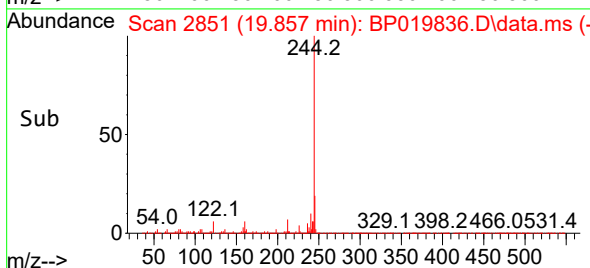
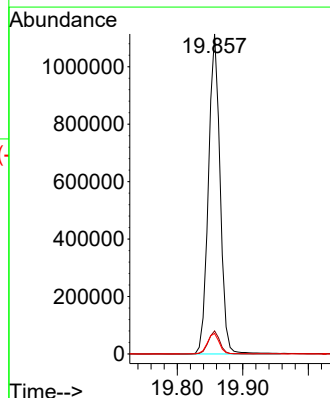
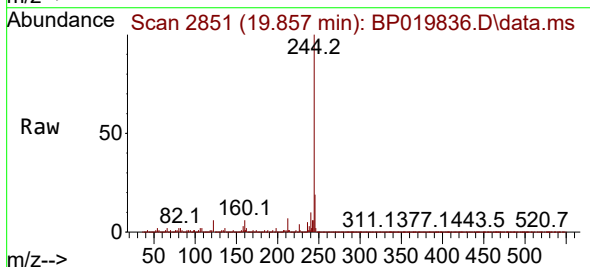
Tgt Ion:244 Resp: 1378154

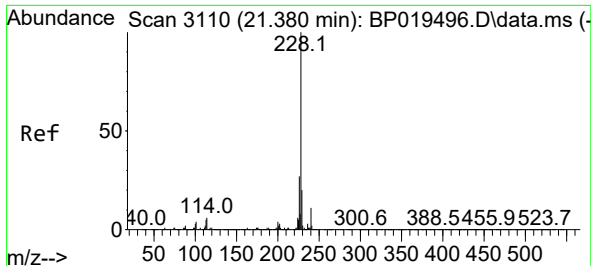
Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

122 6.4 5.9 8.9

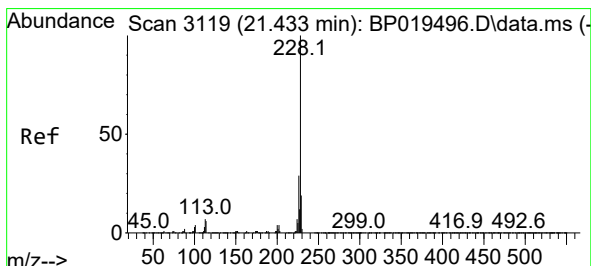
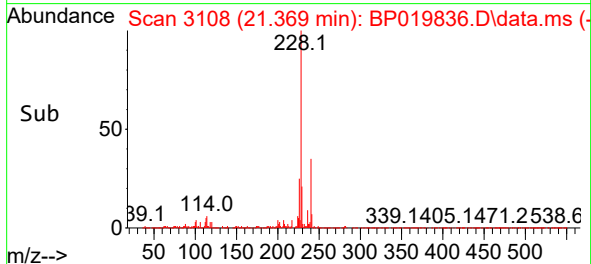
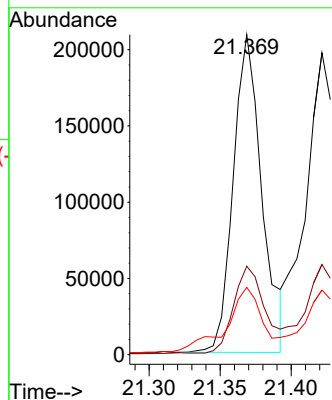
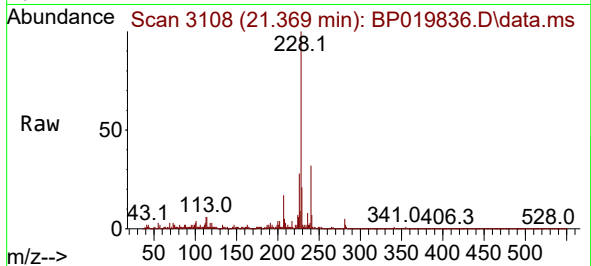




#81
Benzo(a)anthracene
Concen: 8.959 ng
RT: 21.369 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46

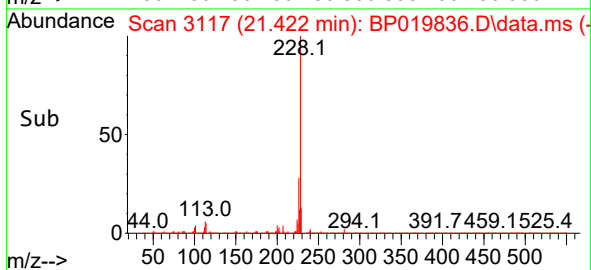
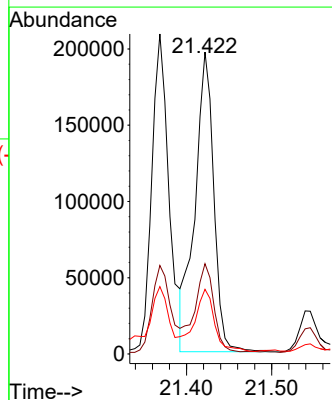
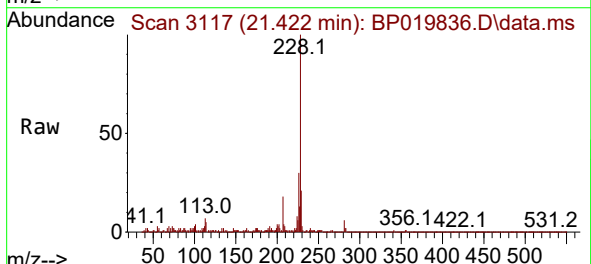
Instrument :
BNA_P
ClientSampleId :
1

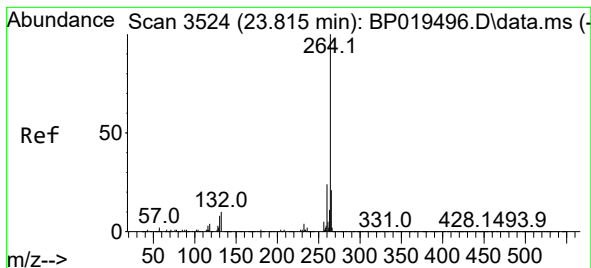
Tgt Ion:228 Resp: 291548
Ion Ratio Lower Upper
228 100
226 27.7 21.7 32.5
229 21.0 15.6 23.4



#83
Chrysene
Concen: 9.799 ng
RT: 21.422 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46

Tgt Ion:228 Resp: 302747
Ion Ratio Lower Upper
228 100
226 29.9 23.4 35.2
229 21.4 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.804 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP019836.D

Acq: 22 Feb 2024 21:46

Instrument :

BNA_P

ClientSampleId :

1

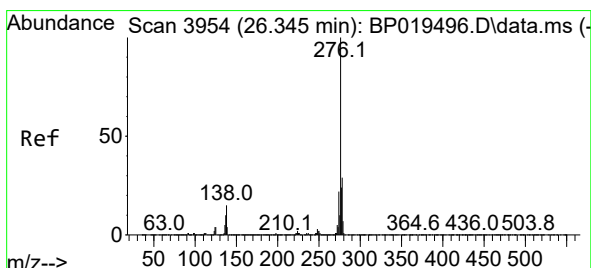
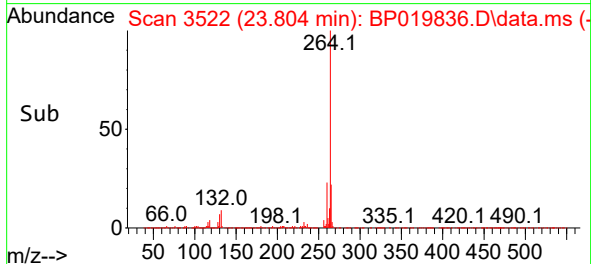
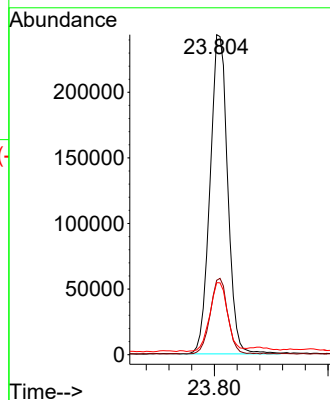
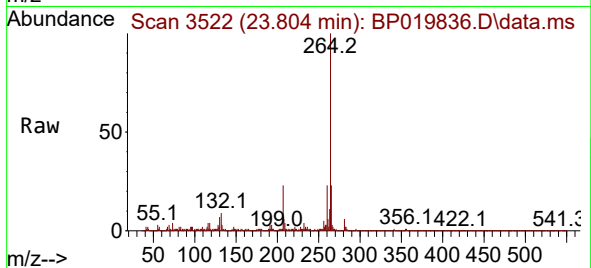
Tgt Ion:264 Resp: 522600

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 22.5 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.355 ng

RT: 26.339 min Scan# 3953

Delta R.T. -0.006 min

Lab File: BP019836.D

Acq: 22 Feb 2024 21:46

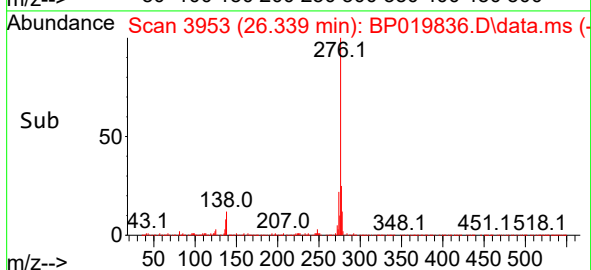
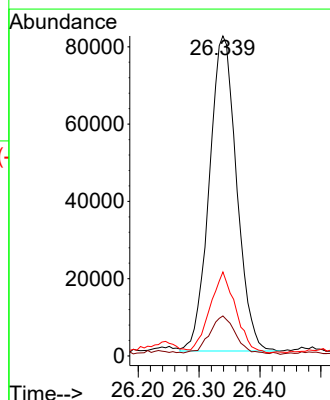
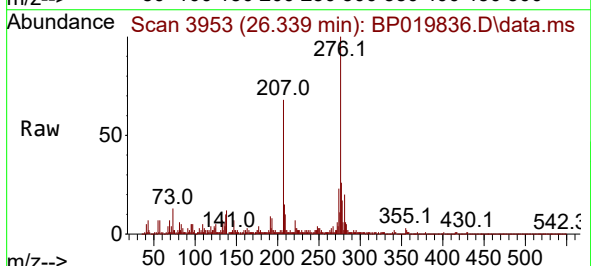
Tgt Ion:276 Resp: 254201

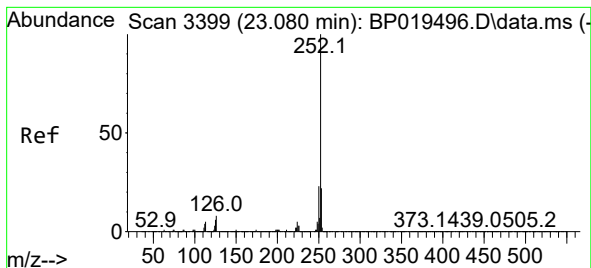
Ion Ratio Lower Upper

276 100

138 11.7 13.1 19.7#

277 24.3 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 14.279 ng

RT: 23.069 min Scan# 3397

Delta R.T. -0.006 min

Lab File: BP019836.D

Acq: 22 Feb 2024 21:46

Instrument :

BNA_P

ClientSampleId :

1

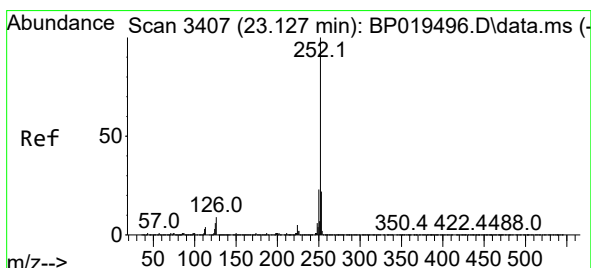
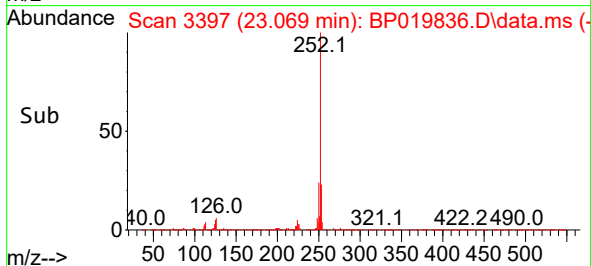
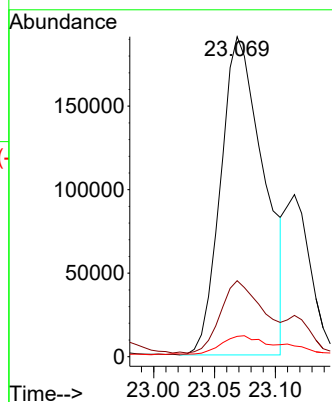
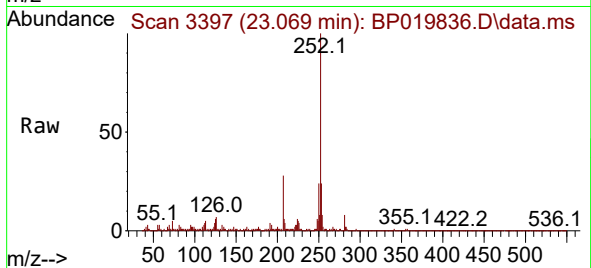
Tgt Ion:252 Resp: 470323

Ion Ratio Lower Upper

252 100

253 23.8 17.3 25.9

125 6.3 4.9 7.3



#89

Benzo(k)fluoranthene

Concen: 14.949 ng

RT: 23.069 min Scan# 3397

Delta R.T. -0.053 min

Lab File: BP019836.D

Acq: 22 Feb 2024 21:46

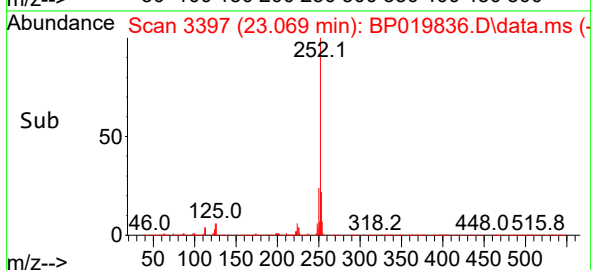
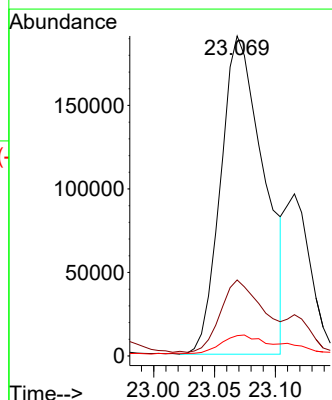
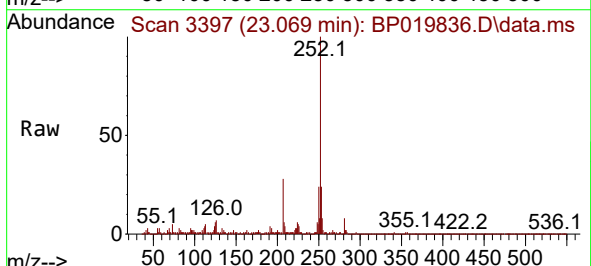
Tgt Ion:252 Resp: 470323

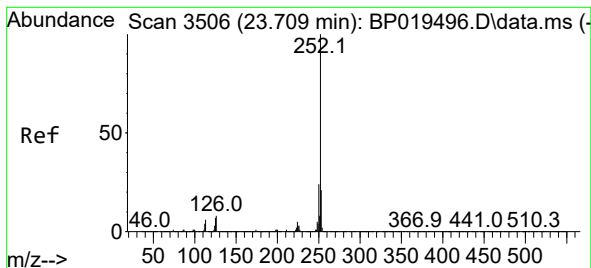
Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

125 6.3 5.0 7.6





#90

Benzo(a)pyrene

Concen: 10.936 ng

RT: 23.698 min Scan# 3504

Delta R.T. -0.006 min

Lab File: BP019836.D

Acq: 22 Feb 2024 21:46

Instrument :

BNA_P

ClientSampleId :

1

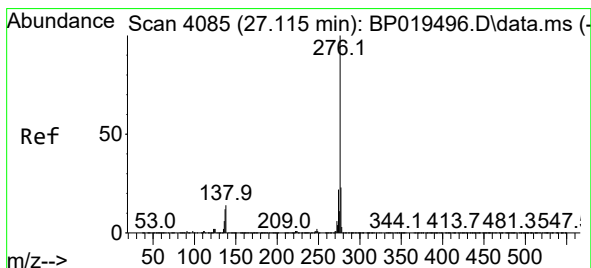
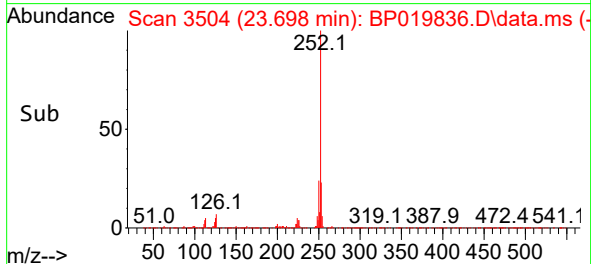
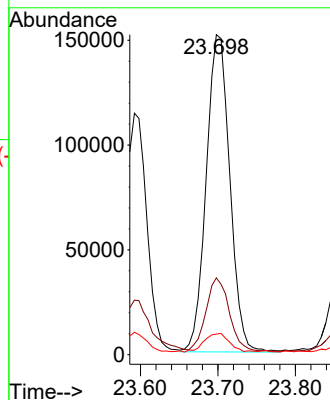
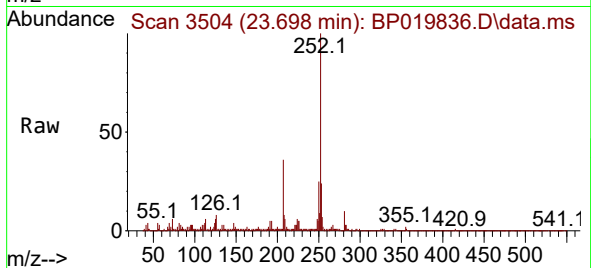
Tgt Ion:252 Resp: 320499

Ion Ratio Lower Upper

252 100

253 24.0 17.1 25.7

125 6.5 5.6 8.4



#92

Benzo(g,h,i)perylene

Concen: 7.718 ng

RT: 27.115 min Scan# 4085

Delta R.T. -0.006 min

Lab File: BP019836.D

Acq: 22 Feb 2024 21:46

Tgt Ion:276 Resp: 257629

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 14.2 10.9 16.3

