

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022124\
 Data File : BP019815.D
 Acq On : 21 Feb 2024 19:10
 Operator : MA/JU
 Sample : P1537-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 7

Quant Time: Feb 22 00:15:29 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)

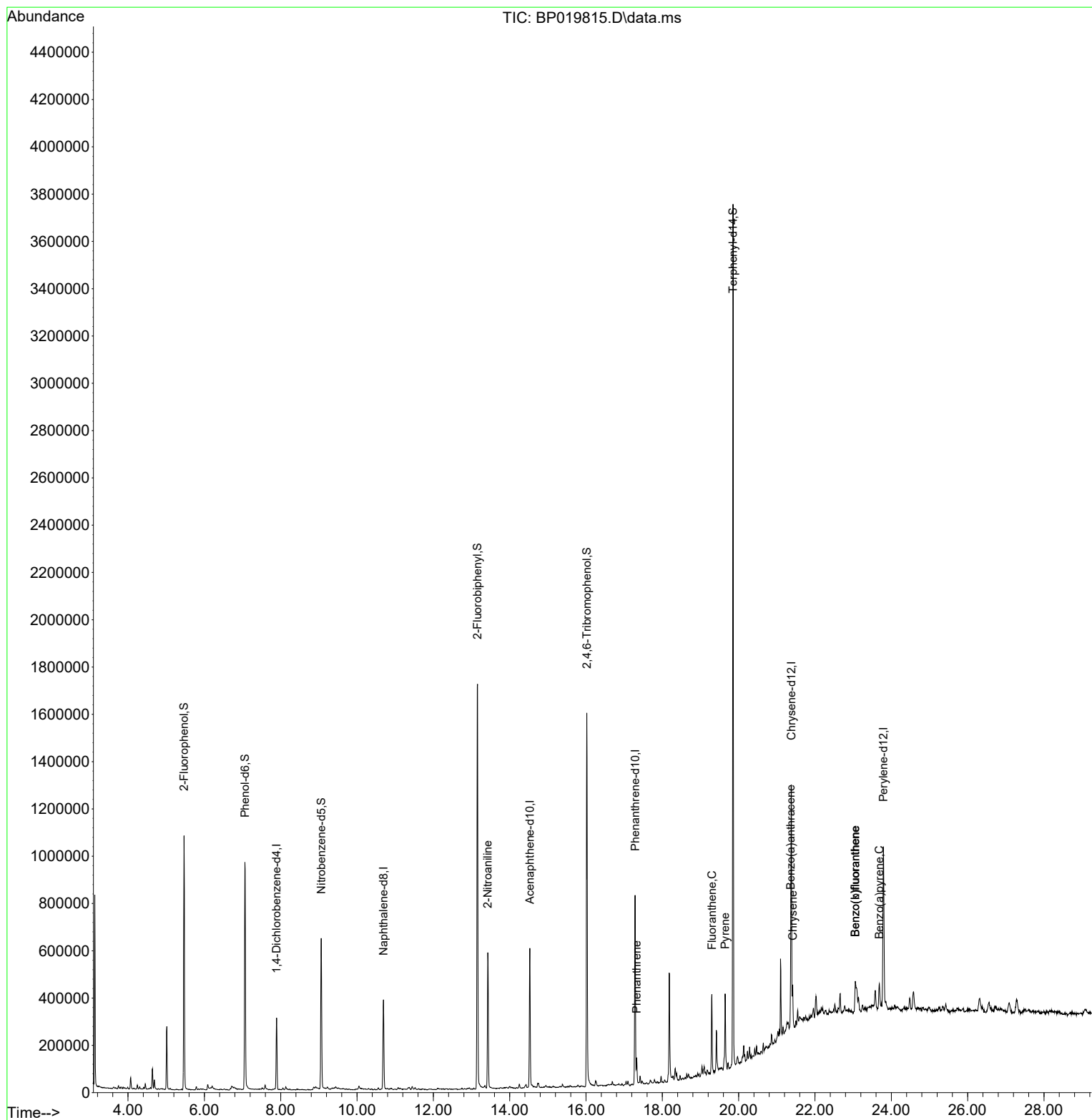
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	81437	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	314676	20.000	ng	0.00
39) Acenaphthene-d10	14.528	164	221023	20.000	ng	-0.01
64) Phenanthrene-d10	17.286	188	508275	20.000	ng	0.00
76) Chrysene-d12	21.380	240	514957	20.000	ng	#-0.01
86) Perylene-d12	23.792	264	578836	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	430450	85.201	ng	0.00
7) Phenol-d6	7.063	99	550157	80.761	ng	0.00
23) Nitrobenzene-d5	9.063	82	394175	54.279	ng	0.00
42) 2,4,6-Tribromophenol	16.022	330	353741	109.616	ng	-0.01
45) 2-Fluorobiphenyl	13.157	172	959222	53.651	ng	0.00
79) Terphenyl-d14	19.851	244	1876233	59.919	ng	-0.01
Target Compounds						
						Qvalue
48) 2-Nitroaniline	13.428	65	11932	2.947	ng	# 15
71) Phenanthrene	17.328	178	65122	2.435	ng	98
75) Fluoranthene	19.298	202	192590	5.894	ng	100
78) Pyrene	19.645	202	190303	5.236	ng	99
81) Benzo(a)anthracene	21.363	228	108173	2.984	ng	97
83) Chrysene	21.416	228	105393	3.062	ng	98
88) Benzo(b)fluoranthene	23.057	252	134179	3.678	ng	96
89) Benzo(k)fluoranthene	23.057	252	134179	3.850	ng	95
90) Benzo(a)pyrene	23.686	252	94225	2.903	ng	94

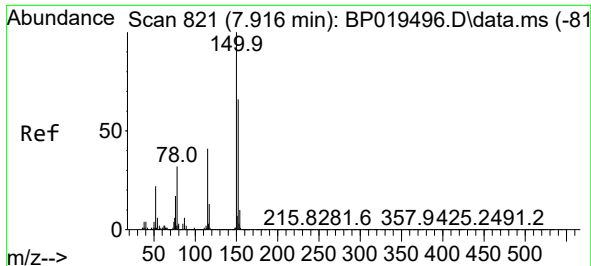
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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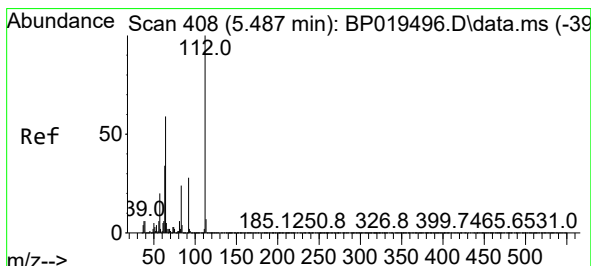
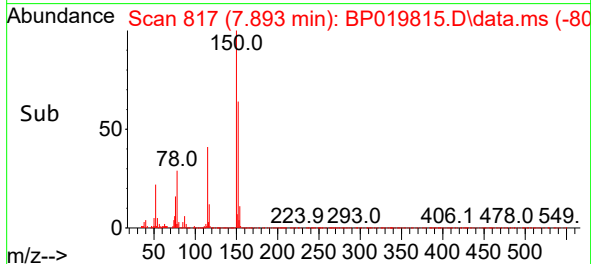
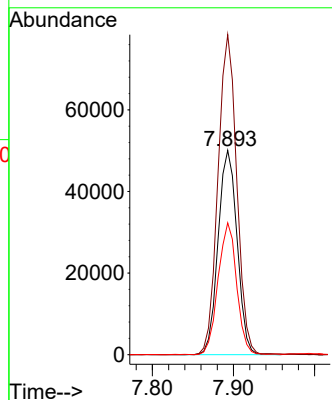
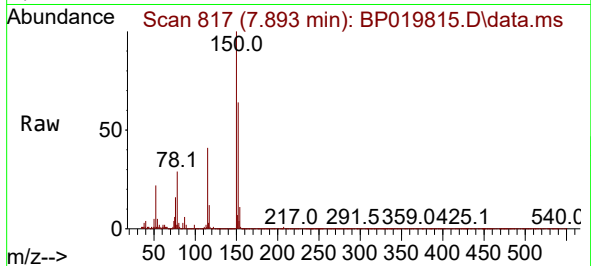




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019815.D
Acq: 21 Feb 2024 19:10

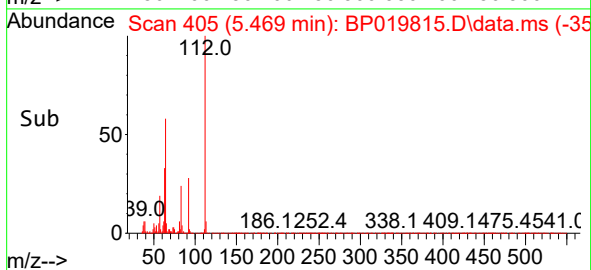
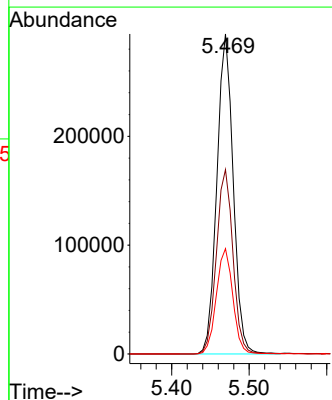
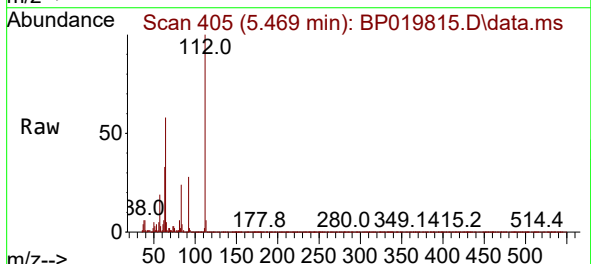
Instrument :
BNA_P
ClientSampleId :
7

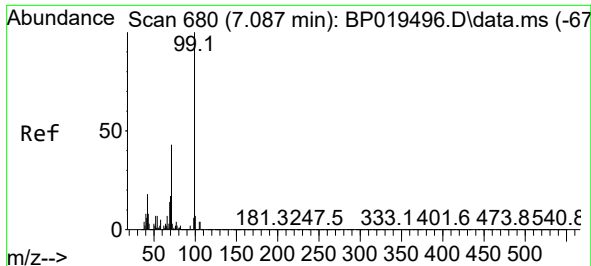
Tgt Ion:152 Resp: 81437
Ion Ratio Lower Upper
152 100
150 156.7 121.8 182.8
115 64.6 49.9 74.9



#5
2-Fluorophenol
Concen: 85.201 ng
RT: 5.469 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP019815.D
Acq: 21 Feb 2024 19:10

Tgt Ion:112 Resp: 430450
Ion Ratio Lower Upper
112 100
64 57.6 47.4 71.0
63 32.9 27.0 40.6

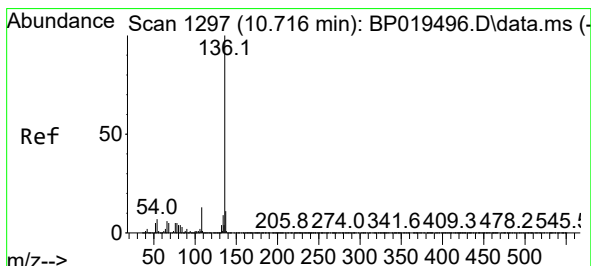
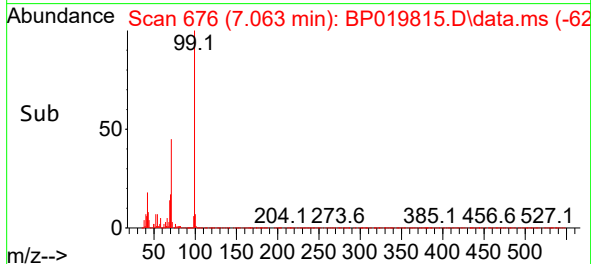
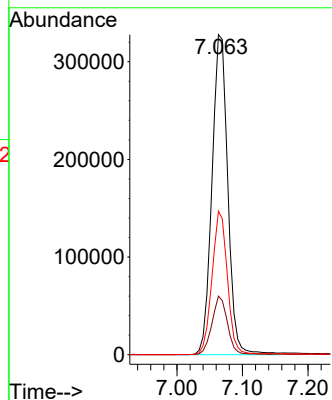
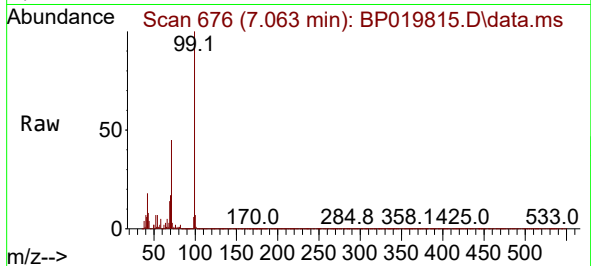




#7
Phenol-d6
Concen: 80.761 ng
RT: 7.063 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019815.D
Acq: 21 Feb 2024 19:10

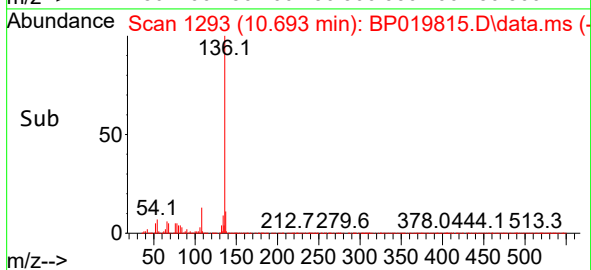
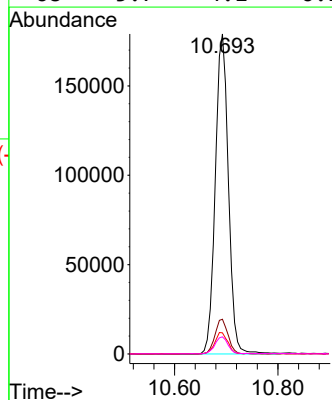
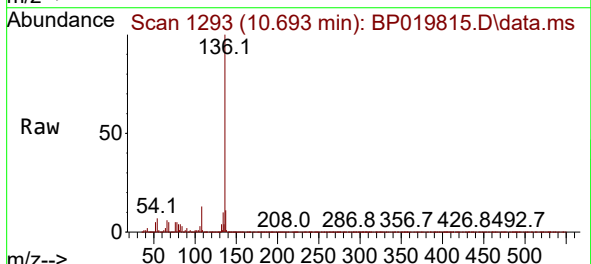
Instrument :
BNA_P
ClientSampleId :
7

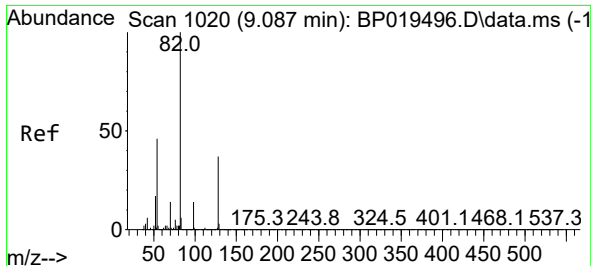
Tgt Ion: 99 Resp: 550157
Ion Ratio Lower Upper
99 100
42 18.3 14.7 22.1
71 44.9 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP019815.D
Acq: 21 Feb 2024 19:10

Tgt Ion: 136 Resp: 314676
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.6 5.3 7.9
68 5.7 4.1 6.1





#23

Nitrobenzene-d5

Concen: 54.279 ng

RT: 9.063 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BP019815.D

Acq: 21 Feb 2024 19:10

Instrument :

BNA_P

ClientSampleId :

7

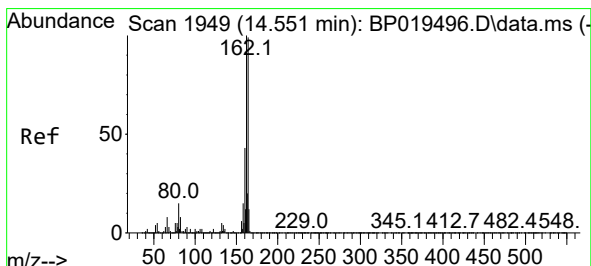
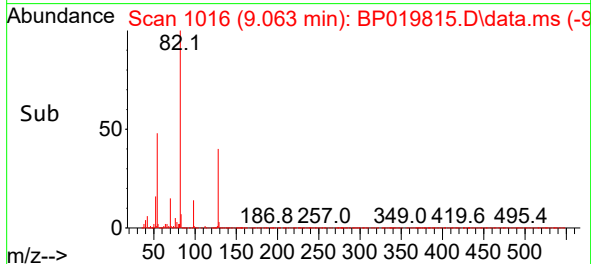
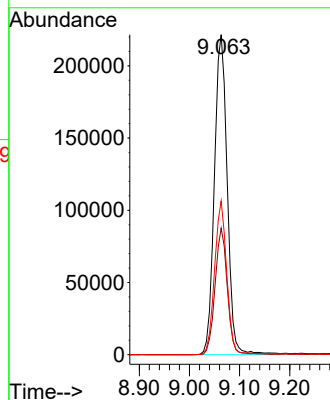
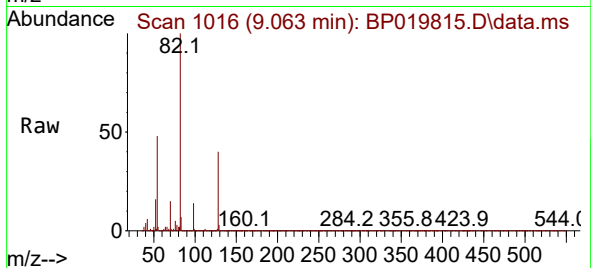
Tgt Ion: 82 Resp: 394175

Ion Ratio Lower Upper

82 100

128 39.6 29.7 44.5

54 48.1 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: BP019815.D

Acq: 21 Feb 2024 19:10

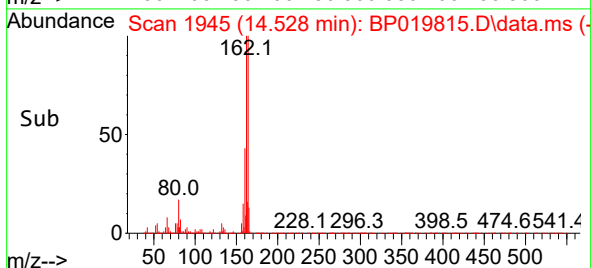
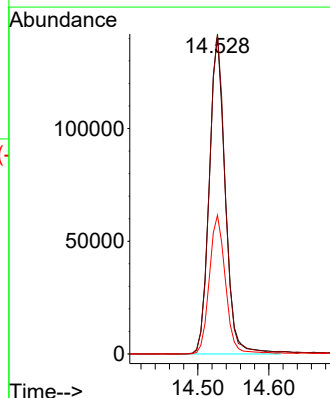
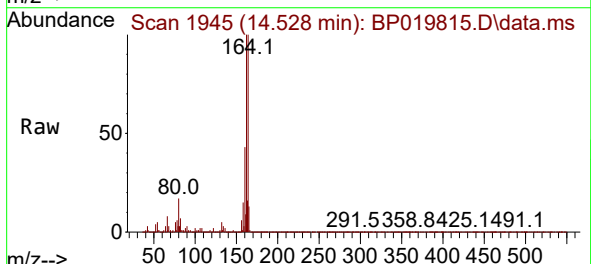
Tgt Ion:164 Resp: 221023

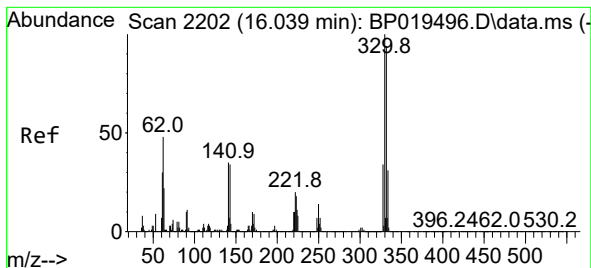
Ion Ratio Lower Upper

164 100

162 100.2 81.2 121.8

160 43.4 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 109.616 ng

RT: 16.022 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP019815.D

Acq: 21 Feb 2024 19:10

Instrument :

BNA_P

ClientSampleId :

7

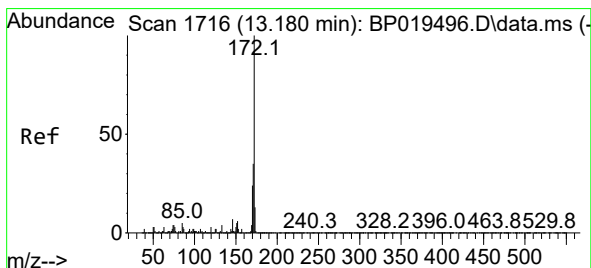
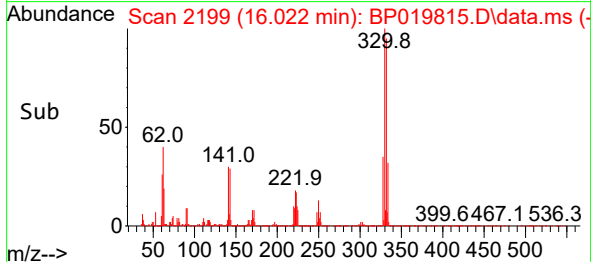
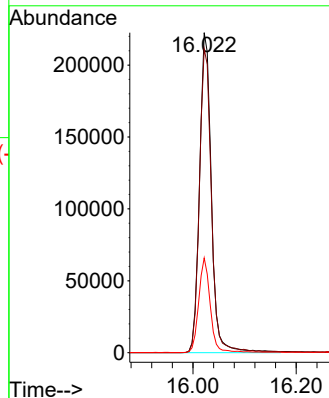
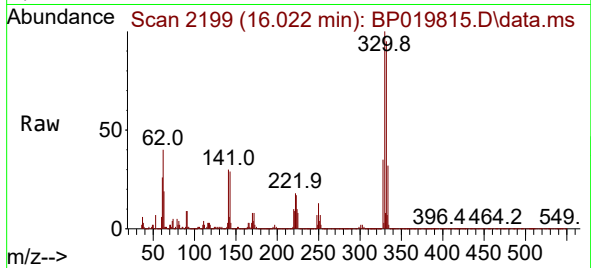
Tgt Ion:330 Resp: 353741

Ion Ratio Lower Upper

330 100

332 96.8 77.2 115.8

141 28.7 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 53.651 ng

RT: 13.157 min Scan# 1712

Delta R.T. -0.006 min

Lab File: BP019815.D

Acq: 21 Feb 2024 19:10

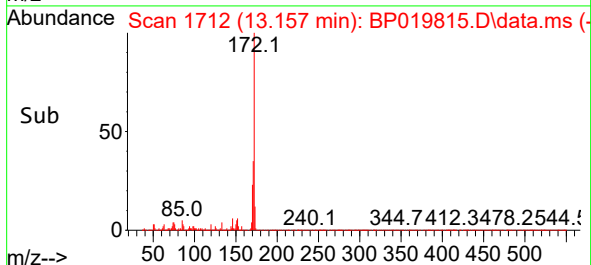
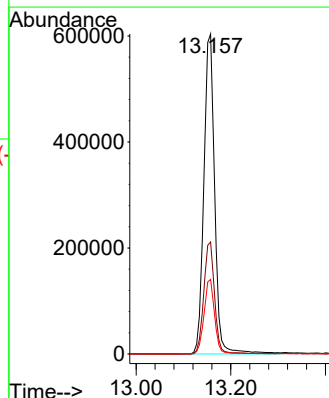
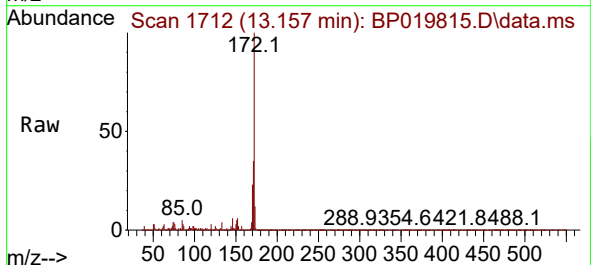
Tgt Ion:172 Resp: 959222

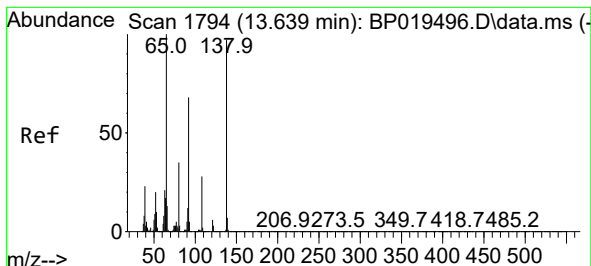
Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 23.3 18.9 28.3





#48

2-Nitroaniline

Concen: 2.947 ng

RT: 13.428 min Scan# 11

Delta R.T. -0.200 min

Lab File: BP019815.D

Acq: 21 Feb 2024 19:10

Instrument :

BNA_P

ClientSampleId :

7

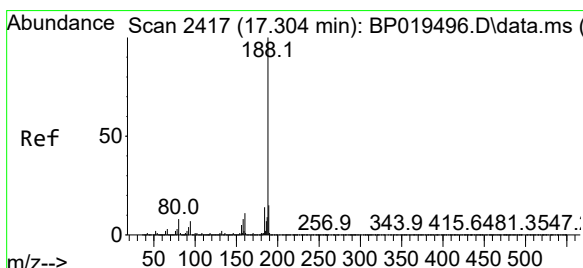
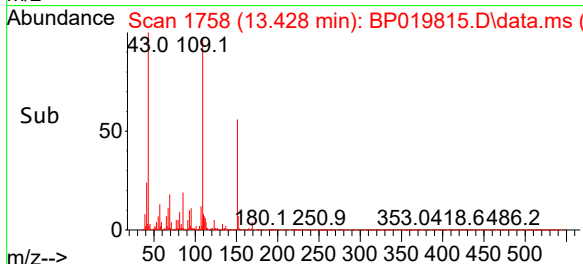
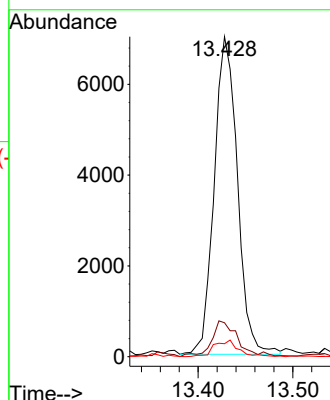
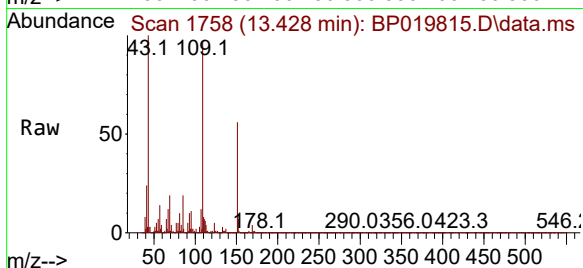
Tgt Ion: 65 Resp: 11932

Ion Ratio Lower Upper

65 100

92 10.6 54.7 82.1#

138 4.0 77.8 116.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.286 min Scan# 2414

Delta R.T. -0.006 min

Lab File: BP019815.D

Acq: 21 Feb 2024 19:10

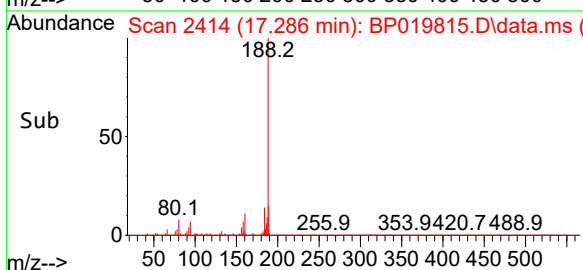
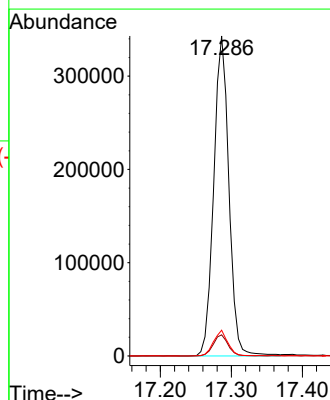
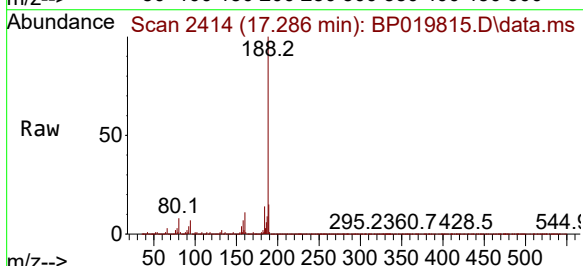
Tgt Ion: 188 Resp: 508275

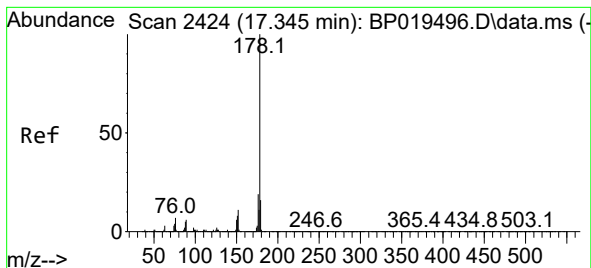
Ion Ratio Lower Upper

188 100

94 6.6 5.4 8.2

80 8.1 6.3 9.5





#71

Phenanthrene

Concen: 2.435 ng

RT: 17.328 min Scan# 2421

Delta R.T. -0.012 min

Lab File: BP019815.D

Acq: 21 Feb 2024 19:10

Instrument :

BNA_P

ClientSampleId :

7

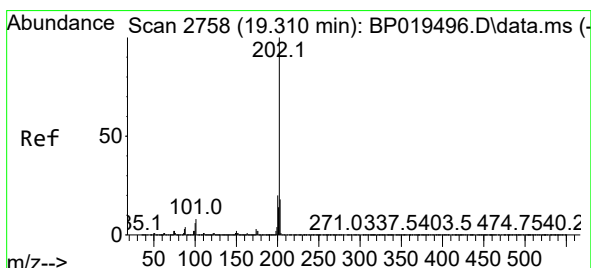
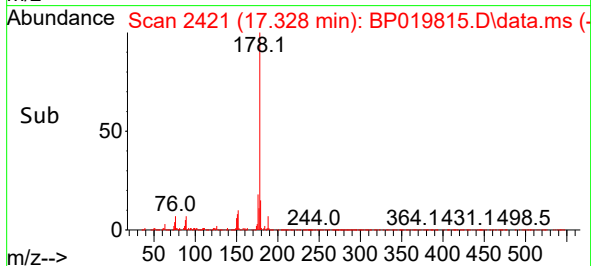
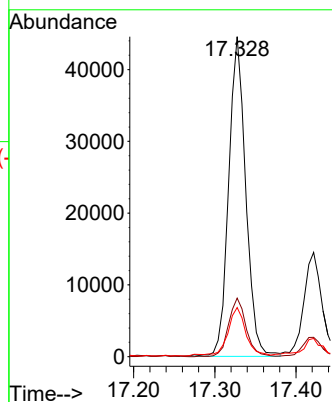
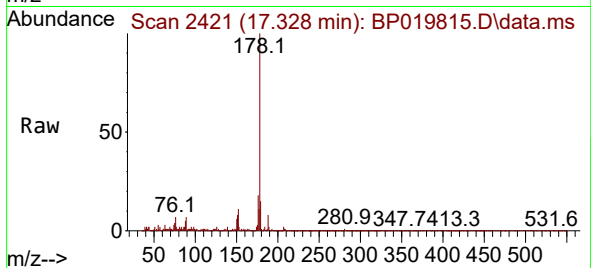
Tgt Ion:178 Resp: 65122

Ion Ratio Lower Upper

178 100

176 18.3 15.5 23.3

179 15.4 12.6 19.0



#75

Fluoranthene

Concen: 5.894 ng

RT: 19.298 min Scan# 2756

Delta R.T. -0.006 min

Lab File: BP019815.D

Acq: 21 Feb 2024 19:10

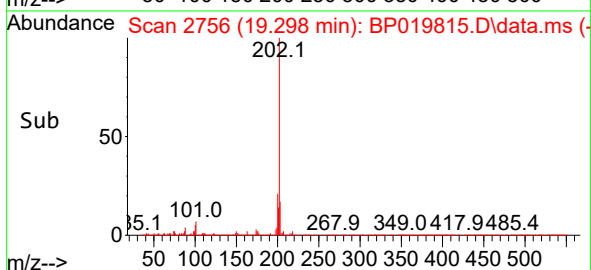
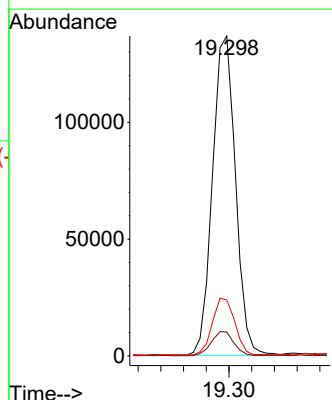
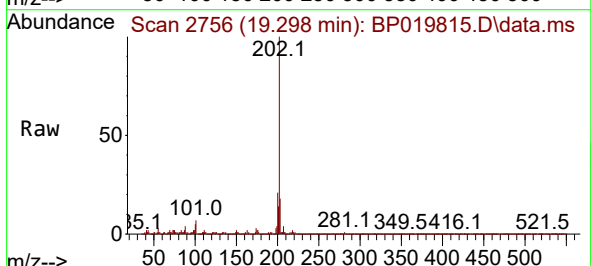
Tgt Ion:202 Resp: 192590

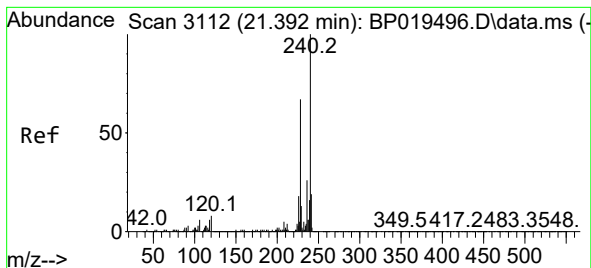
Ion Ratio Lower Upper

202 100

101 7.5 0.0 27.7

203 17.5 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: BP019815.D

Acq: 21 Feb 2024 19:10

Instrument :

BNA_P

ClientSampleId :

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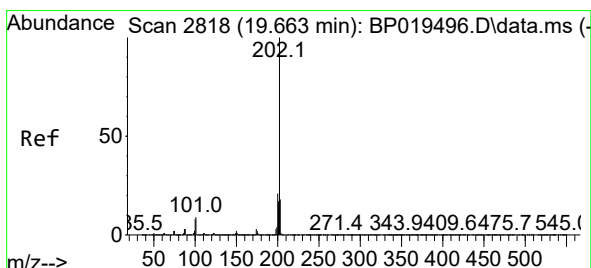
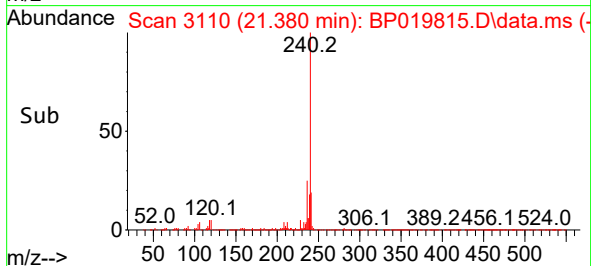
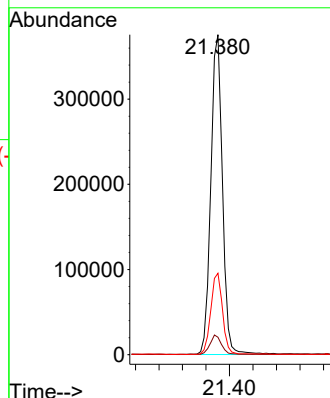
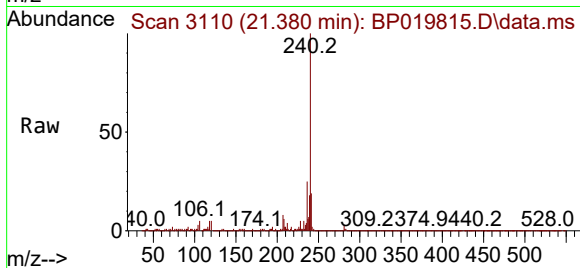
Tgt Ion:240 Resp: 514957

Ion Ratio Lower Upper

240 100

120 5.5 6.1 9.1#

236 25.4 20.7 31.1



#78

Pyrene

Concen: 5.236 ng

RT: 19.645 min Scan# 2815

Delta R.T. -0.012 min

Lab File: BP019815.D

Acq: 21 Feb 2024 19:10

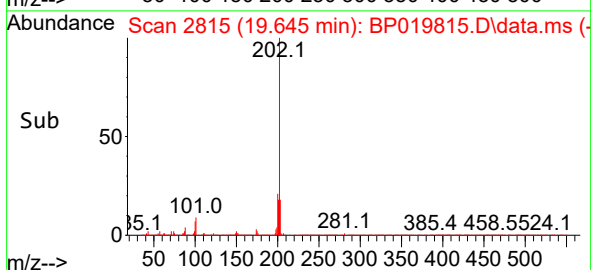
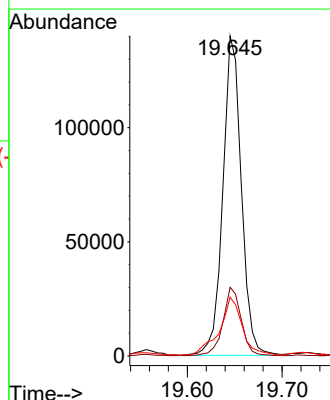
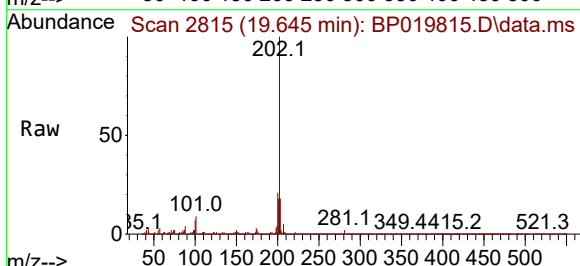
Tgt Ion:202 Resp: 190303

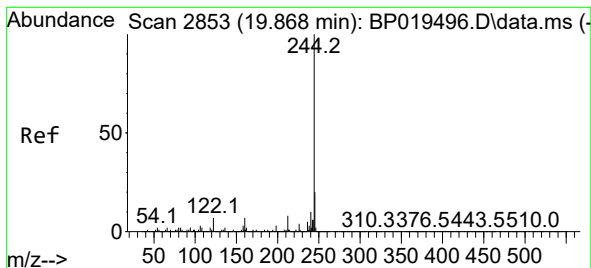
Ion Ratio Lower Upper

202 100

200 21.4 16.9 25.3

203 18.4 14.2 21.2





#79

Terphenyl-d14

Concen: 59.919 ng

RT: 19.851 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP019815.D

Acq: 21 Feb 2024 19:10

Instrument :

BNA_P

ClientSampleId :

7

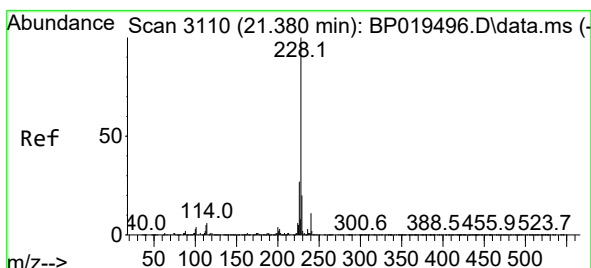
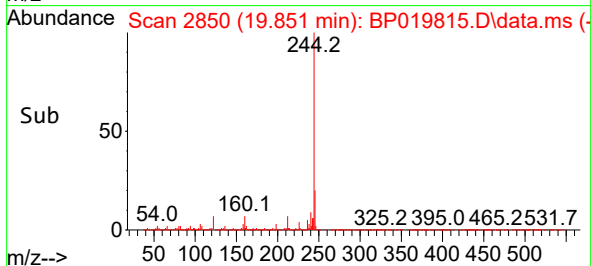
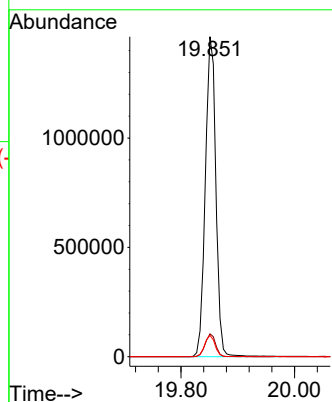
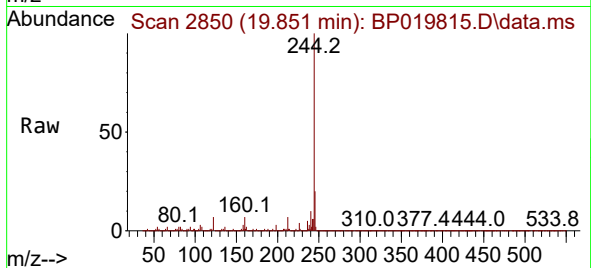
Tgt Ion:244 Resp: 1876233

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 6.7 5.9 8.9



#81

Benzo(a)anthracene

Concen: 2.984 ng

RT: 21.363 min Scan# 3107

Delta R.T. -0.012 min

Lab File: BP019815.D

Acq: 21 Feb 2024 19:10

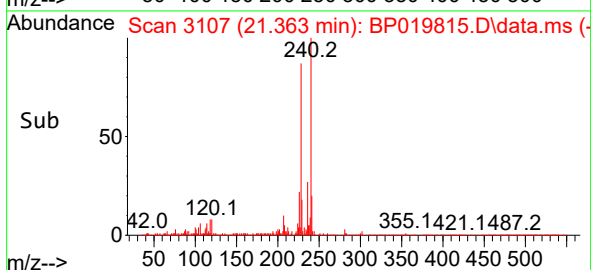
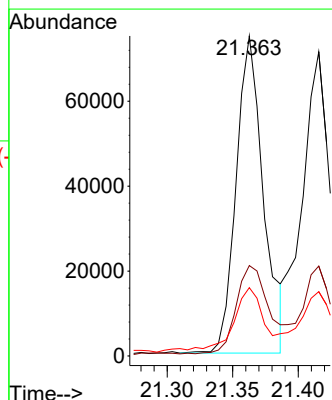
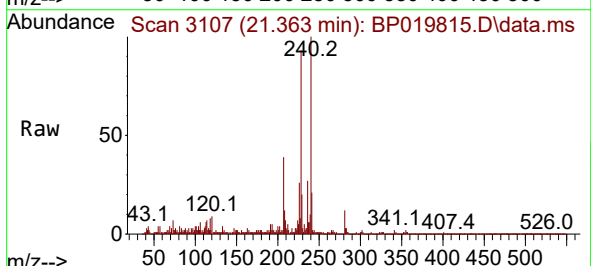
Tgt Ion:228 Resp: 108173

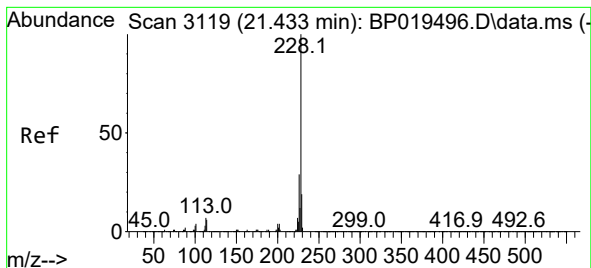
Ion Ratio Lower Upper

228 100

226 28.2 21.7 32.5

229 21.3 15.6 23.4





#83

Chrysene

Concen: 3.062 ng

RT: 21.416 min Scan# 3119

Delta R.T. -0.012 min

Lab File: BP019815.D

Acq: 21 Feb 2024 19:10

Instrument :

BNA_P

ClientSampleId :

7

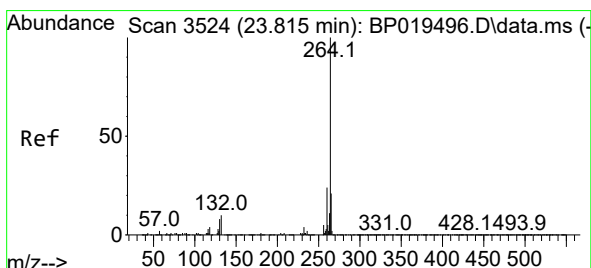
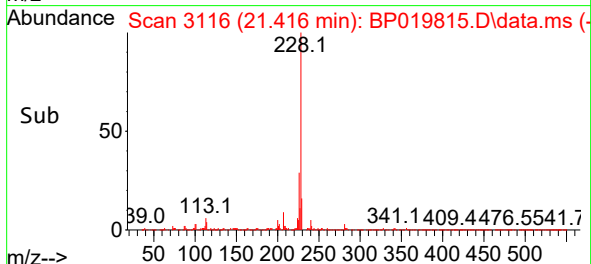
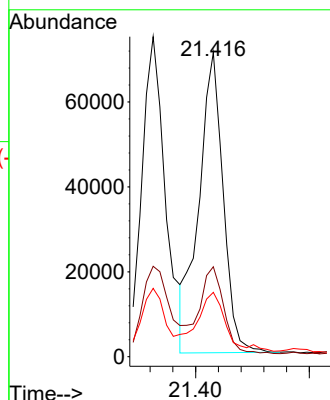
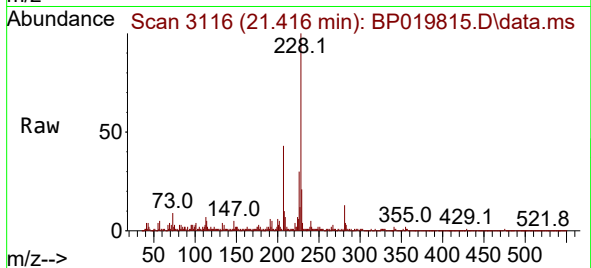
Tgt Ion:228 Resp: 105393

Ion Ratio Lower Upper

228 100

226 29.6 23.4 35.2

229 21.1 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.792 min Scan# 3520

Delta R.T. -0.018 min

Lab File: BP019815.D

Acq: 21 Feb 2024 19:10

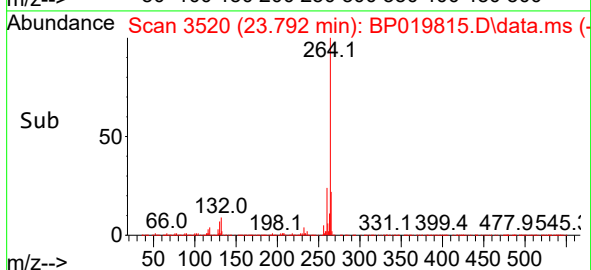
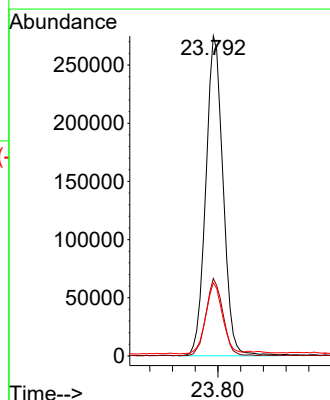
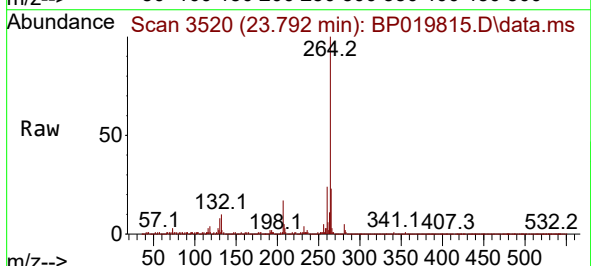
Tgt Ion:264 Resp: 578836

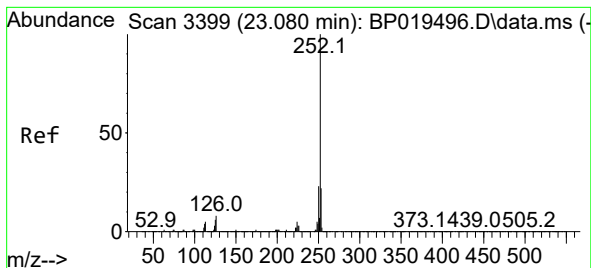
Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 22.8 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 3.678 ng

RT: 23.057 min Scan# 3395

Delta R.T. -0.018 min

Lab File: BP019815.D

Acq: 21 Feb 2024 19:10

Instrument :

BNA_P

ClientSampleId :

7

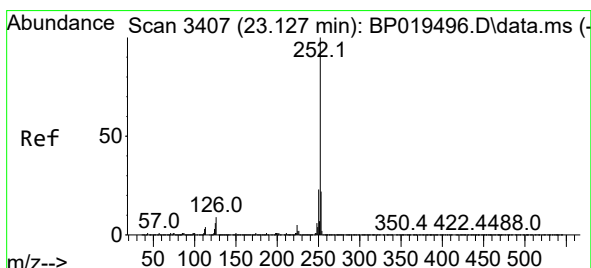
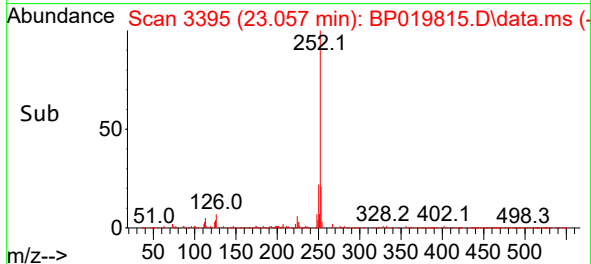
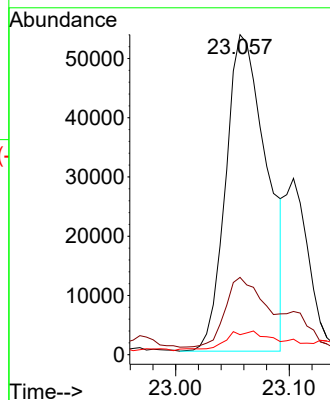
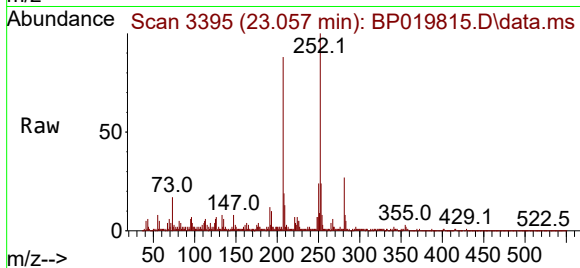
Tgt Ion:252 Resp: 134179

Ion Ratio Lower Upper

252 100

253 24.1 17.3 25.9

125 6.2 4.9 7.3



#89

Benzo(k)fluoranthene

Concen: 3.850 ng

RT: 23.057 min Scan# 3395

Delta R.T. -0.065 min

Lab File: BP019815.D

Acq: 21 Feb 2024 19:10

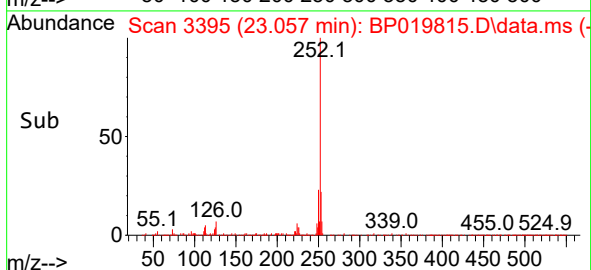
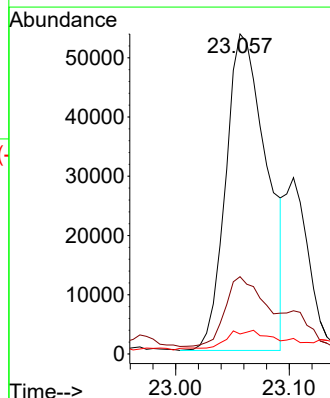
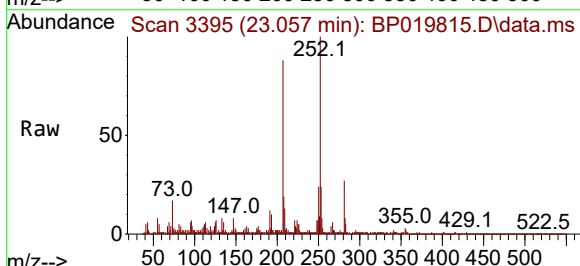
Tgt Ion:252 Resp: 134179

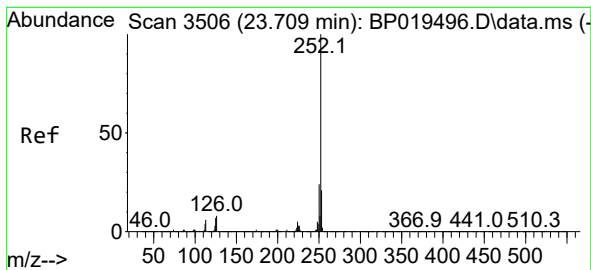
Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

125 6.2 5.0 7.6





#90

Benzo(a)pyrene

Concen: 2.903 ng

RT: 23.686 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP019815.D

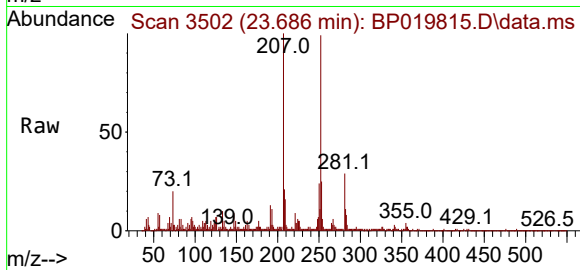
Acq: 21 Feb 2024 19:10

Instrument :

BNA_P

ClientSampleId :

7



Tgt Ion:252 Resp: 94225

Ion Ratio Lower Upper

252 100

253 25.1 17.1 25.7

125 7.3 5.6 8.4

