

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020924\
 Data File : BP019645.D
 Acq On : 09 Feb 2024 22:24
 Operator : MA/JU
 Sample : P1391-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SP-1

Quant Time: Feb 10 00:54:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

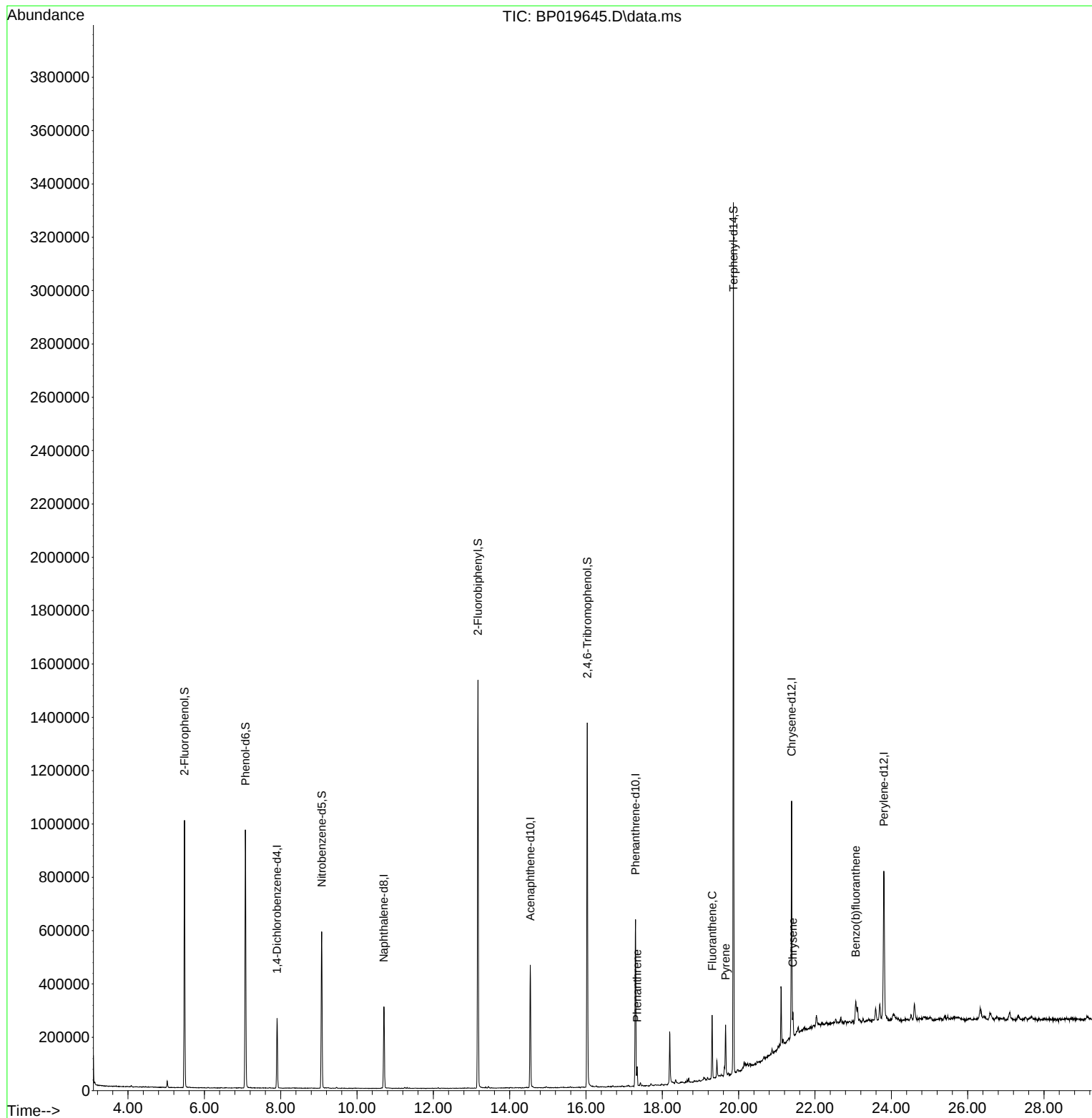
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	70152	20.000	ng	-0.01
21) Naphthalene-d8	10.704	136	249135	20.000	ng	-0.01
39) Acenaphthene-d10	14.540	164	161511	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	389063	20.000	ng	0.00
76) Chrysene-d12	21.386	240	413814	20.000	ng	0.00
86) Perylene-d12	23.804	264	467337	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	402587	92.505	ng	0.00
7) Phenol-d6	7.075	99	519859	88.589	ng	-0.01
23) Nitrobenzene-d5	9.075	82	355800	61.883	ng	-0.01
42) 2,4,6-Tribromophenol	16.034	330	286568	121.521	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	788470	60.351	ng	-0.01
79) Terphenyl-d14	19.863	244	1588665	63.135	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.339	178	43704	2.134	ng	97
75) Fluoranthene	19.304	202	138624	5.542	ng	99
78) Pyrene	19.657	202	116325	3.983	ng	98
83) Chrysene	21.422	228	59138	2.138	ng	99
88) Benzo(b)fluoranthene	23.069	252	81615	2.771	ng	# 96

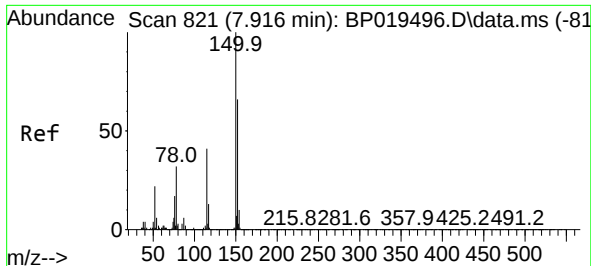
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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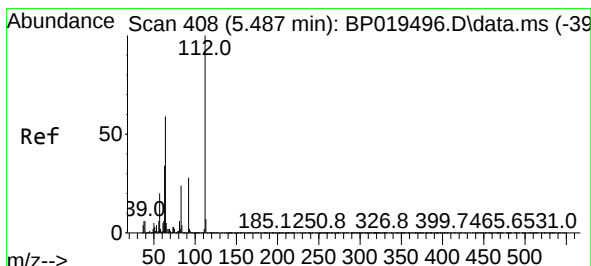
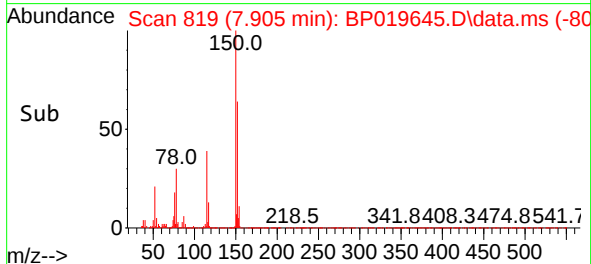
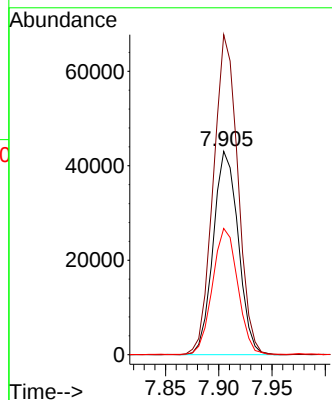
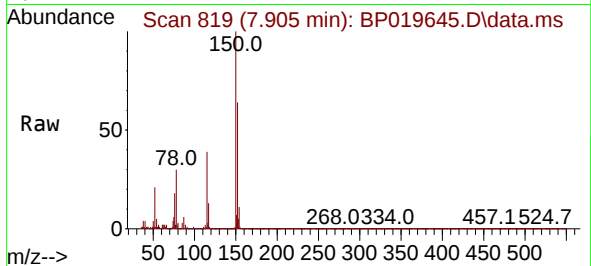




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP019645.D
Acq: 09 Feb 2024 22:24

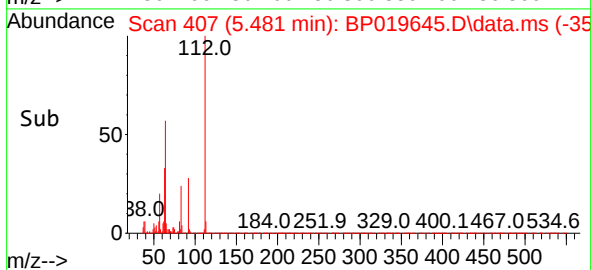
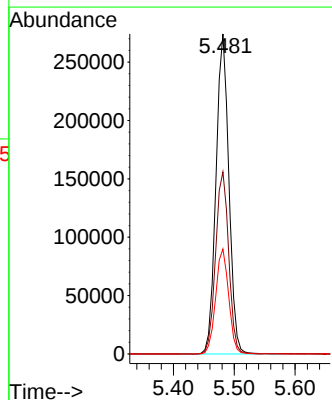
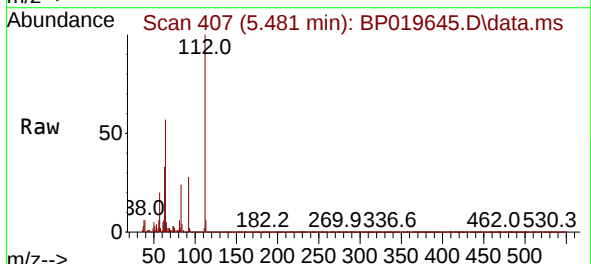
Instrument :
BNA_P
ClientSampleId :
SP-1

Tgt Ion:152 Resp: 70152
Ion Ratio Lower Upper
152 100
150 157.3 121.8 182.8
115 62.1 49.9 74.9



#5
2-Fluorophenol
Concen: 92.505 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.006 min
Lab File: BP019645.D
Acq: 09 Feb 2024 22:24

Tgt Ion:112 Resp: 402587
Ion Ratio Lower Upper
112 100
64 56.9 47.4 71.0
63 32.8 27.0 40.6





#7

Phenol-d6

Concen: 88.589 ng

RT: 7.075 min Scan# 61

Delta R.T. -0.011 min

Lab File: BP019645.D

Acq: 09 Feb 2024 22:24

Instrument :

BNA_P

ClientSampleId :

SP-1

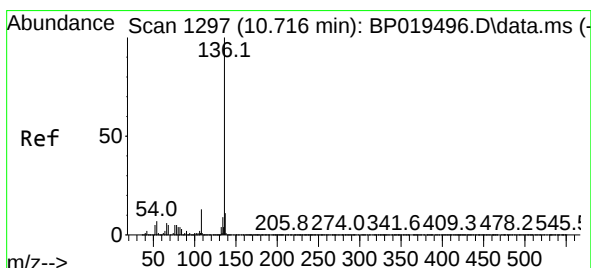
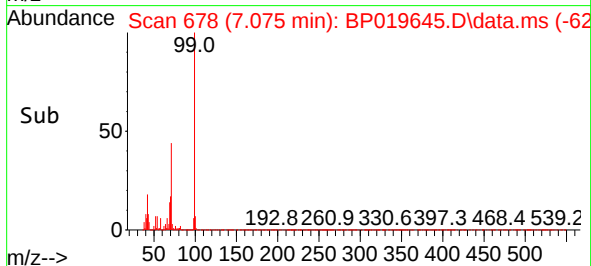
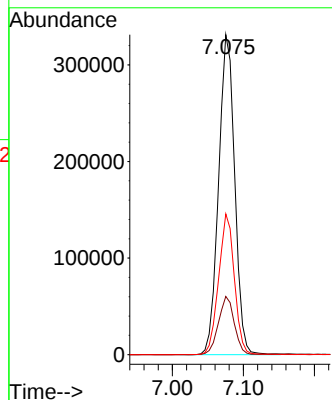
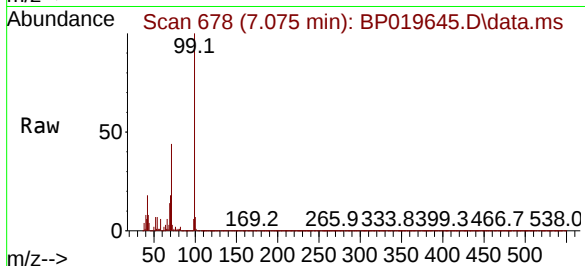
Tgt Ion: 99 Resp: 519859

Ion Ratio Lower Upper

99 100

42 18.2 14.7 22.1

71 44.0 34.8 52.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.704 min Scan# 1295

Delta R.T. -0.011 min

Lab File: BP019645.D

Acq: 09 Feb 2024 22:24

Tgt Ion: 136 Resp: 249135

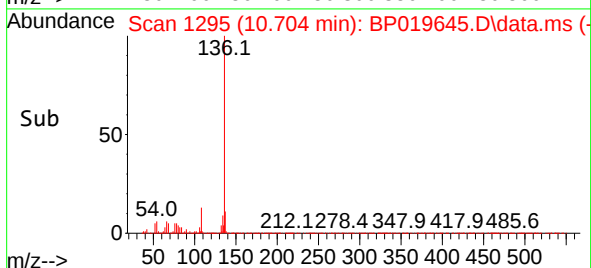
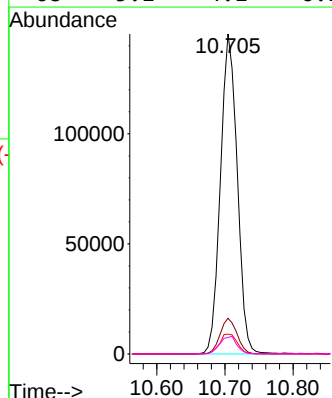
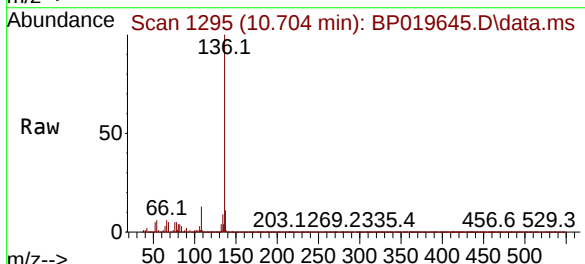
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 6.2 5.3 7.9

68 5.1 4.1 6.1





#23

Nitrobenzene-d5

Concen: 61.883 ng

RT: 9.075 min Scan# 1018

Delta R.T. -0.011 min

Lab File: BP019645.D

Acq: 09 Feb 2024 22:24

Instrument :

BNA_P

ClientSampleId :

SP-1

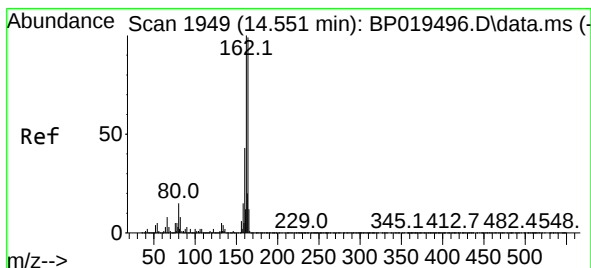
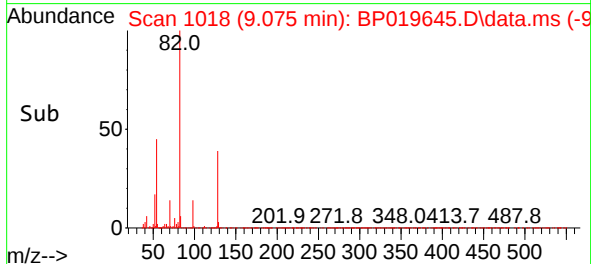
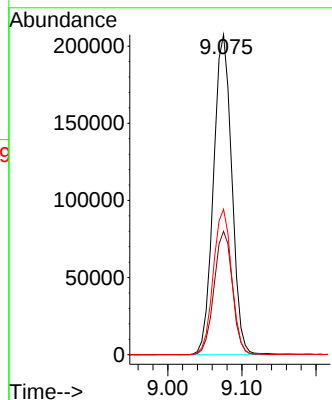
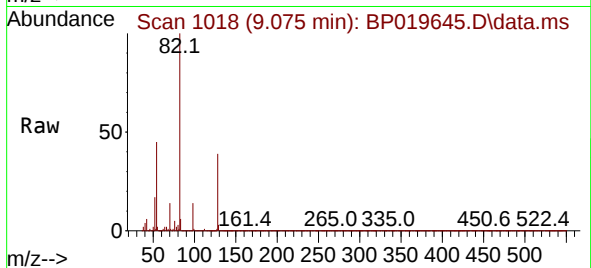
Tgt Ion: 82 Resp: 355800

Ion Ratio Lower Upper

82 100

128 38.6 29.7 44.5

54 45.5 36.8 55.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.540 min Scan# 1947

Delta R.T. -0.011 min

Lab File: BP019645.D

Acq: 09 Feb 2024 22:24

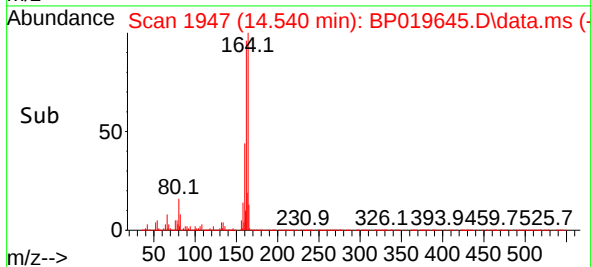
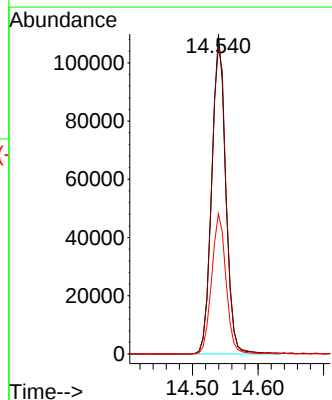
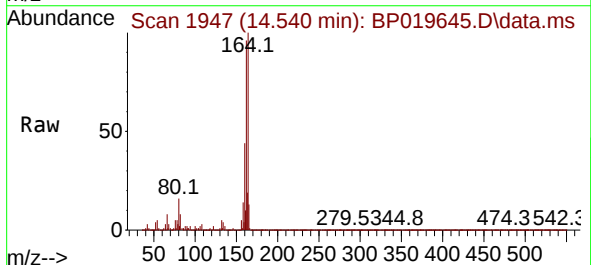
Tgt Ion: 164 Resp: 161511

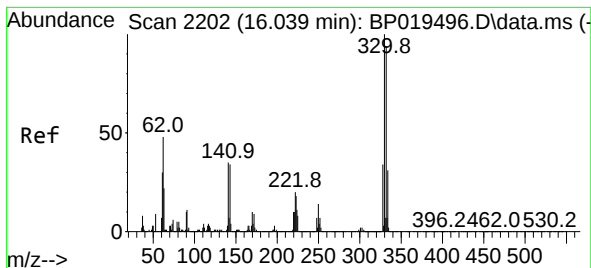
Ion Ratio Lower Upper

164 100

162 95.9 81.2 121.8

160 43.8 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 121.521 ng

RT: 16.034 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019645.D

Acq: 09 Feb 2024 22:24

Instrument :

BNA_P

ClientSampleId :

SP-1

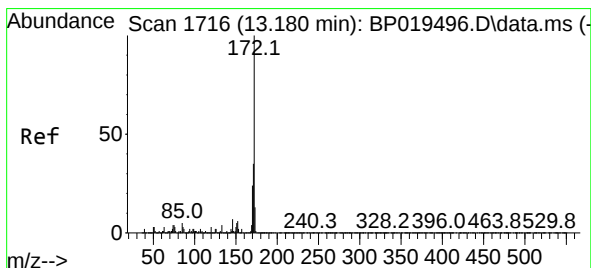
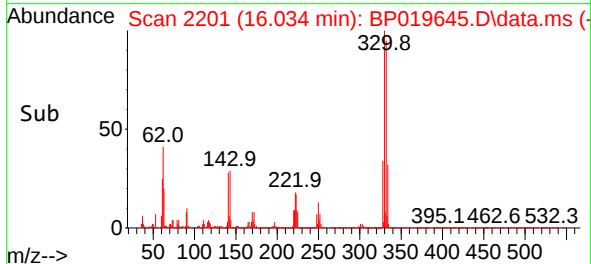
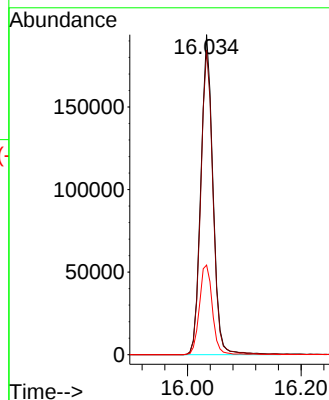
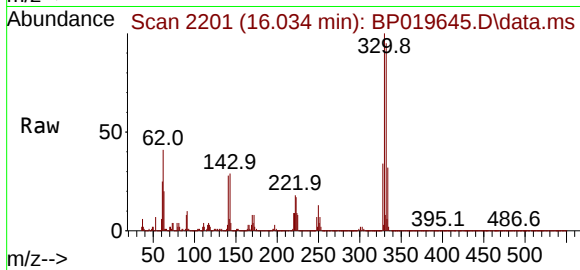
Tgt Ion:330 Resp: 286568

Ion Ratio Lower Upper

330 100

332 96.3 77.2 115.8

141 29.8 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 60.351 ng

RT: 13.169 min Scan# 1714

Delta R.T. -0.011 min

Lab File: BP019645.D

Acq: 09 Feb 2024 22:24

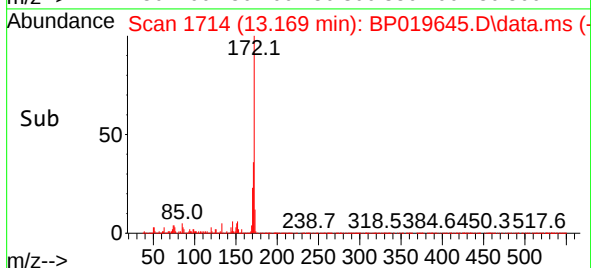
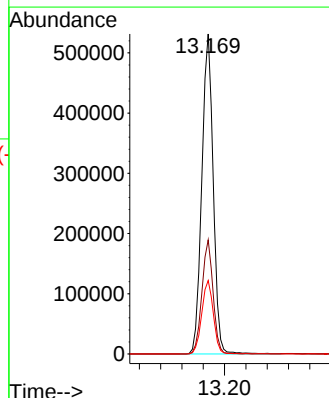
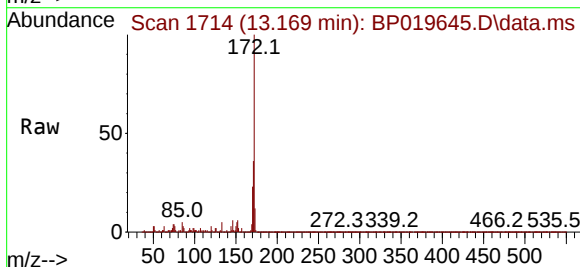
Tgt Ion:172 Resp: 788470

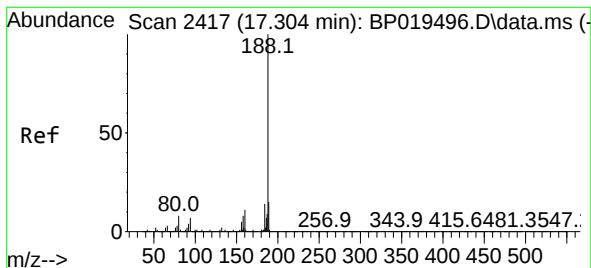
Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.4

170 23.0 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BP019645.D

Acq: 09 Feb 2024 22:24

Instrument :

BNA_P

ClientSampleId :

SP-1

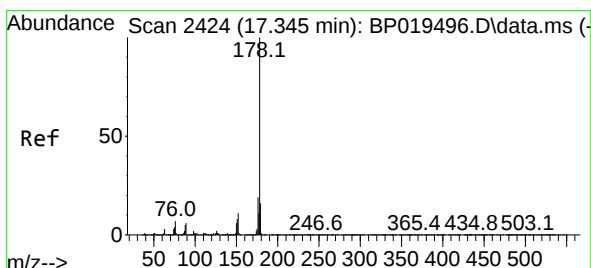
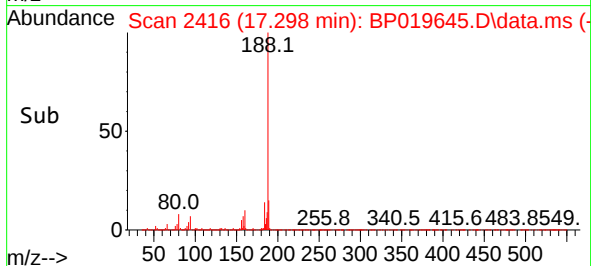
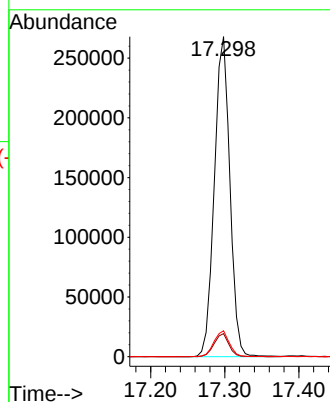
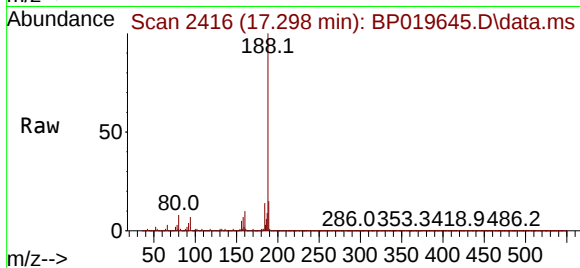
Tgt Ion:188 Resp: 389063

Ion Ratio Lower Upper

188 100

94 7.2 5.4 8.2

80 8.1 6.3 9.5



#71

Phenanthrene

Concen: 2.134 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP019645.D

Acq: 09 Feb 2024 22:24

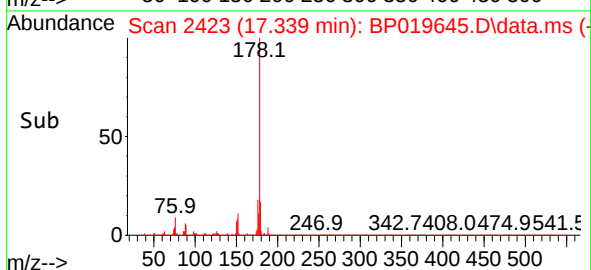
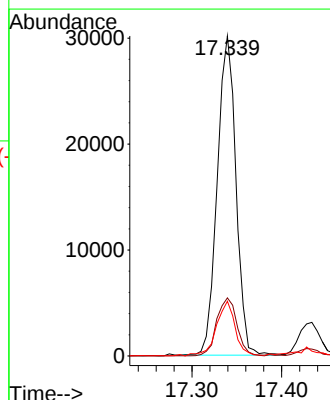
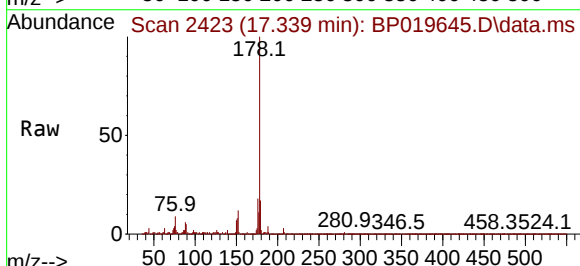
Tgt Ion:178 Resp: 43704

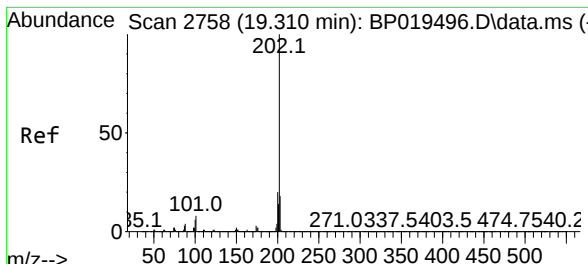
Ion Ratio Lower Upper

178 100

176 18.1 15.5 23.3

179 17.1 12.6 19.0

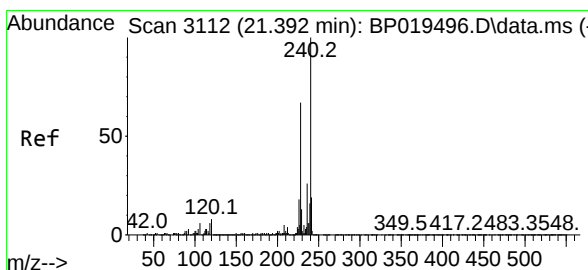
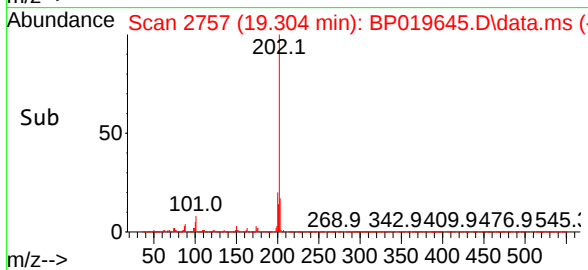
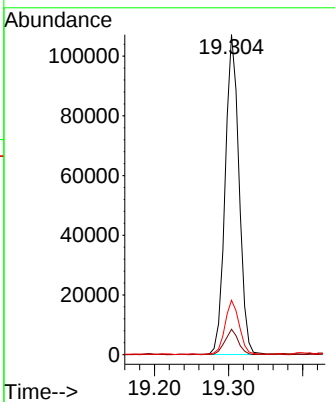
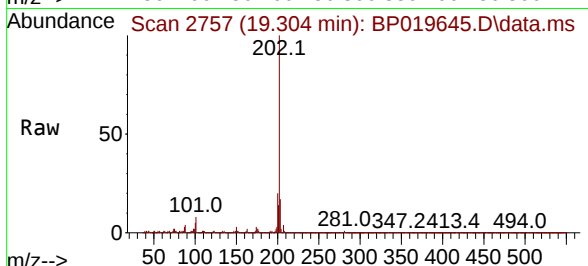




#75
 Fluoranthene
 Concen: 5.542 ng
 RT: 19.304 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP019645.D
 Acq: 09 Feb 2024 22:24

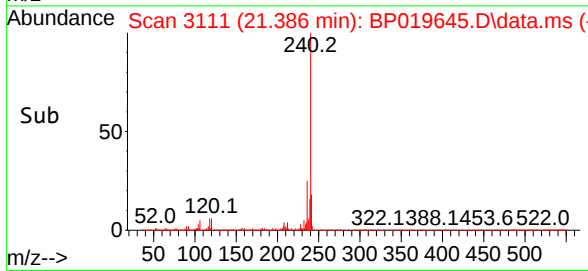
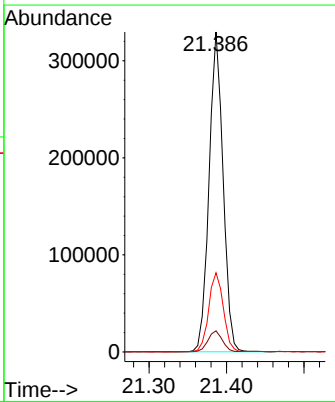
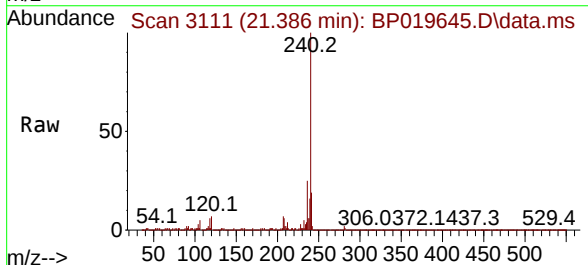
Instrument :
 BNA_P
 ClientSampleId :
 SP-1

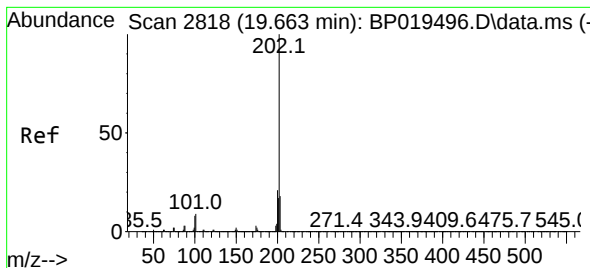
Tgt Ion:	202	Resp:	138624
Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	27.7
203	17.0	0.0	37.5



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.386 min Scan# 3111
 Delta R.T. -0.006 min
 Lab File: BP019645.D
 Acq: 09 Feb 2024 22:24

Tgt Ion:	240	Resp:	413814
Ion	Ratio	Lower	Upper
240	100		
120	6.6	6.1	9.1
236	24.8	20.7	31.1





#78

Pyrene

Concen: 3.983 ng

RT: 19.657 min Scan# 2

Delta R.T. -0.006 min

Lab File: BP019645.D

Acq: 09 Feb 2024 22:24

Instrument :

BNA_P

ClientSampleId :

SP-1

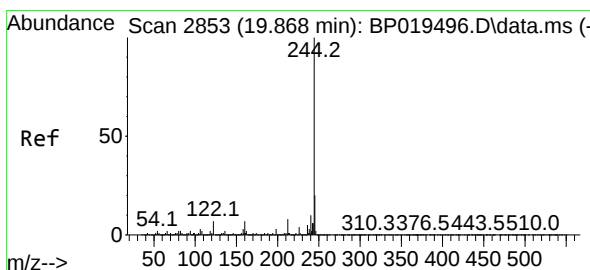
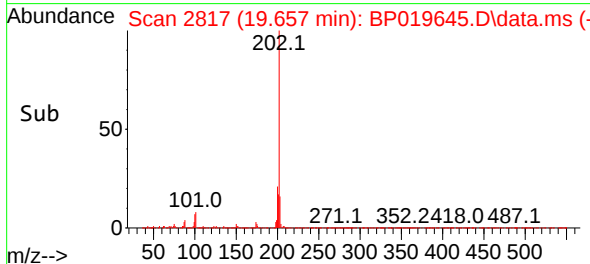
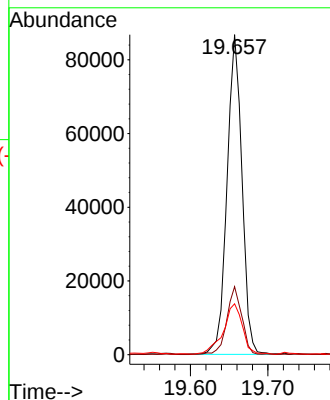
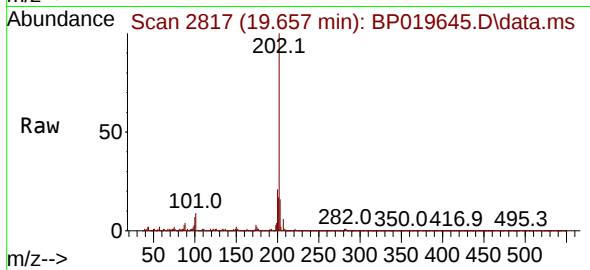
Tgt Ion:202 Resp: 116325

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 15.9 14.2 21.2



#79

Terphenyl-d14

Concen: 63.135 ng

RT: 19.863 min Scan# 2852

Delta R.T. -0.006 min

Lab File: BP019645.D

Acq: 09 Feb 2024 22:24

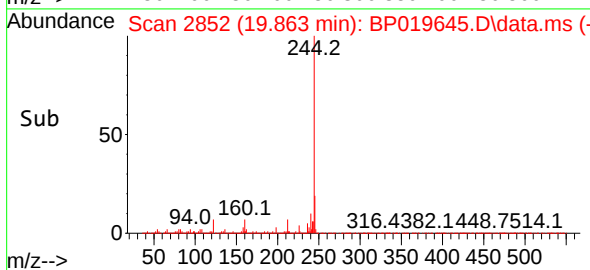
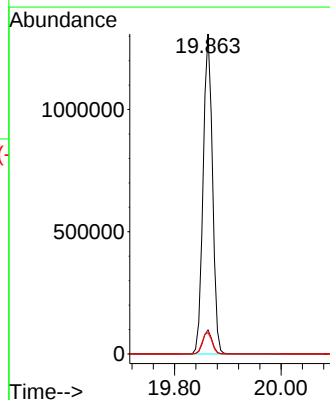
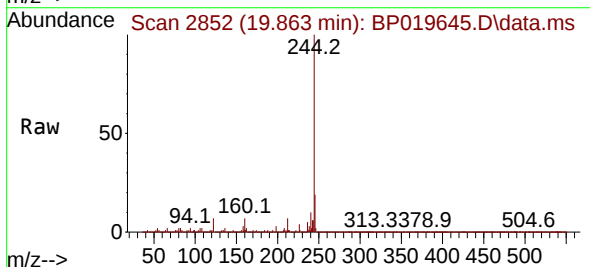
Tgt Ion:244 Resp: 1588665

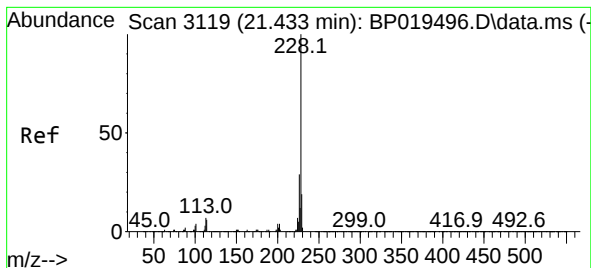
Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

122 6.6 5.9 8.9





#83

Chrysene

Concen: 2.138 ng

RT: 21.422 min Scan# 3117

Delta R.T. -0.011 min

Lab File: BP019645.D

Acq: 09 Feb 2024 22:24

Instrument :

BNA_P

ClientSampleId :

SP-1

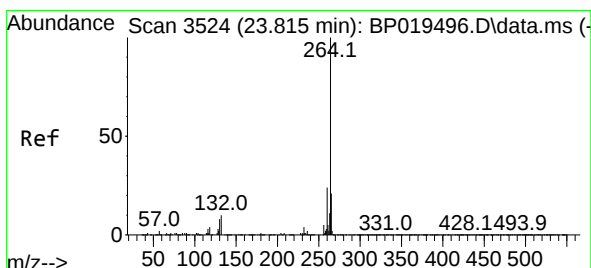
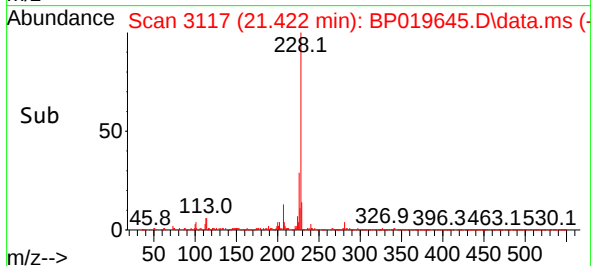
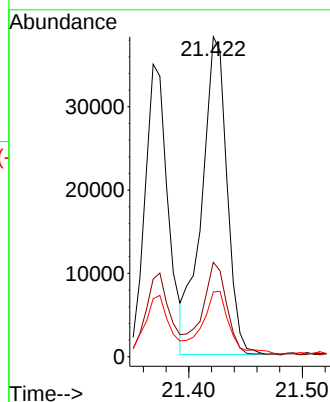
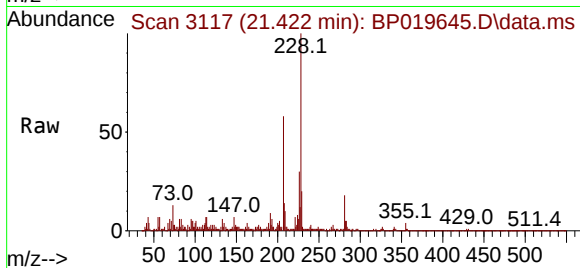
Tgt Ion:228 Resp: 59138

Ion Ratio Lower Upper

228 100

226 29.5 23.4 35.2

229 20.3 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.804 min Scan# 3522

Delta R.T. -0.011 min

Lab File: BP019645.D

Acq: 09 Feb 2024 22:24

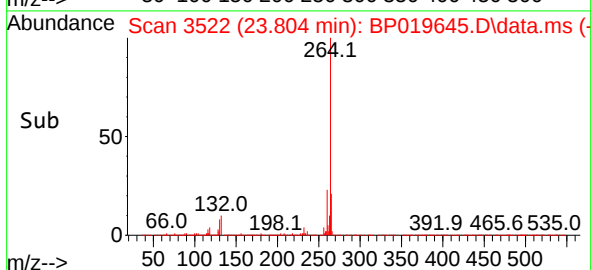
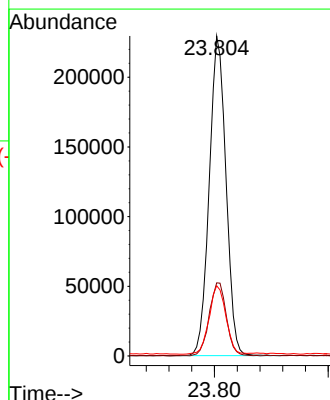
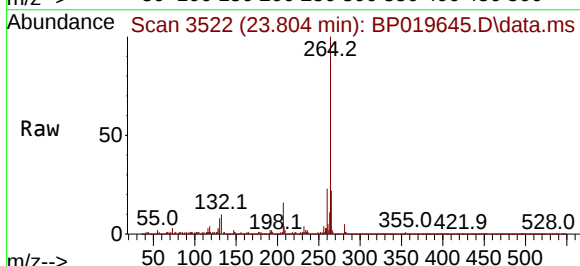
Tgt Ion:264 Resp: 467337

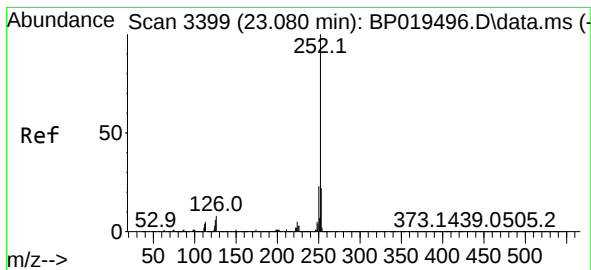
Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 22.0 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 2.771 ng

RT: 23.069 min Scan# 31

Delta R.T. -0.011 min

Lab File: BP019645.D

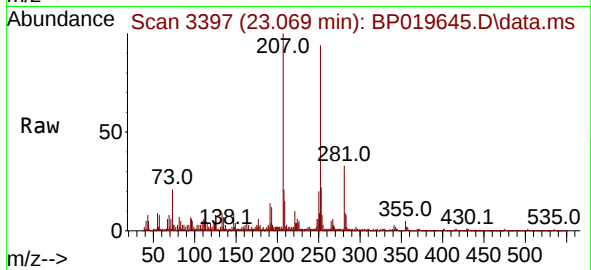
Acq: 09 Feb 2024 22:24

Instrument :

BNA_P

ClientSampleId :

SP-1



Tgt Ion:252 Resp: 81615

Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

125 8.0 4.9 7.3#

