

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071625\
 Data File : BP025158.D
 Acq On : 16 Jul 2025 14:49
 Operator : CG/JU
 Sample : Q2586-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-16

Quant Time: Jul 16 15:18:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

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

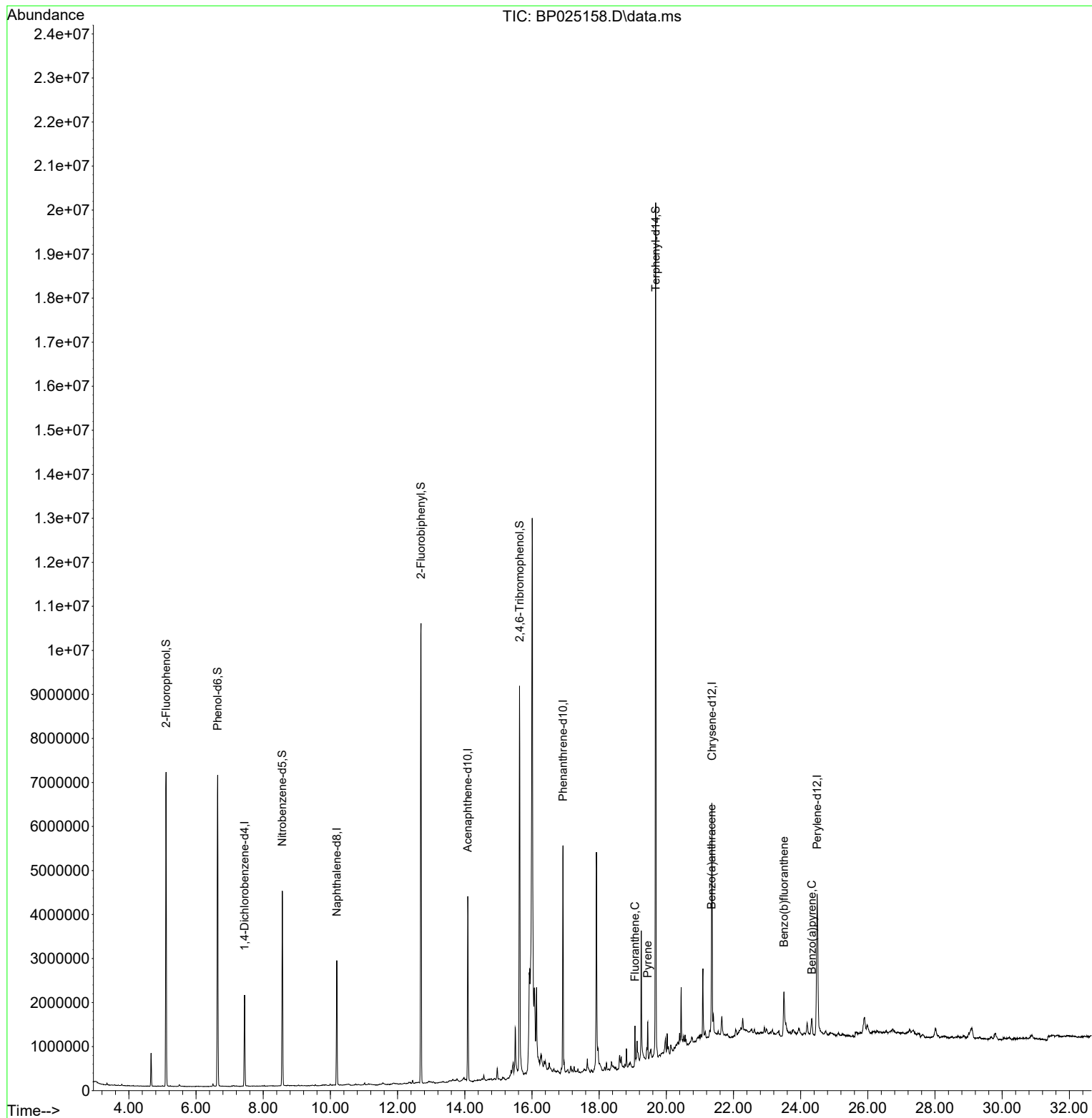
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.443	152	585802	20.000	ng	0.00
21) Naphthalene-d8	10.190	136	2246241	20.000	ng	0.00
39) Acenaphthene-d10	14.089	164	1453836	20.000	ng	0.00
64) Phenanthrene-d10	16.925	188	2794881	20.000	ng	0.02
76) Chrysene-d12	21.360	240	2771587	20.000	ng	0.02
86) Perylene-d12	24.489	264	3351599	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.108	112	3234468	97.832	ng	0.01
7) Phenol-d6	6.643	99	4230568	98.055	ng	0.01
23) Nitrobenzene-d5	8.566	82	2392120	70.824	ng	0.00
42) 2,4,6-Tribromophenol	15.631	330	2028228	118.094	ng	0.01
45) 2-Fluorobiphenyl	12.695	172	5957519	63.482	ng	0.00
79) Terphenyl-d14	19.683	244	9732683	77.177	ng	0.01
Target Compounds						
						Qvalue
75) Fluoranthene	19.066	202	480882	2.755	ng	99
78) Pyrene	19.448	202	511839	2.982	ng	99
81) Benzo(a)anthracene	21.342	228	360939	2.149	ng	98
88) Benzo(b)fluoranthene	23.501	252	557470	2.858	ng	# 95
90) Benzo(a)pyrene	24.330	252	425528	2.563	ng	96

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

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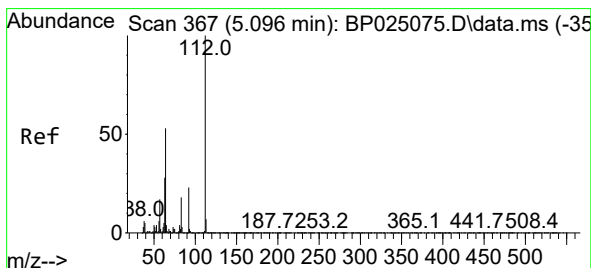
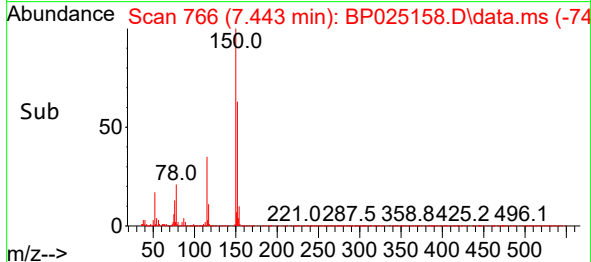
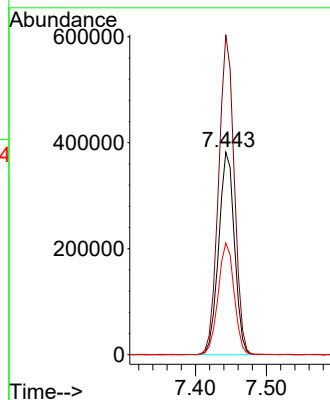
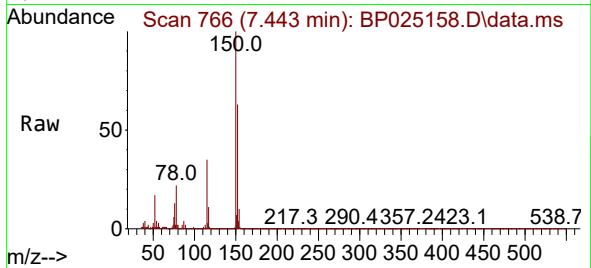




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.443 min Scan# 70
Delta R.T. -0.000 min
Lab File: BP025158.D
Acq: 16 Jul 2025 14:49

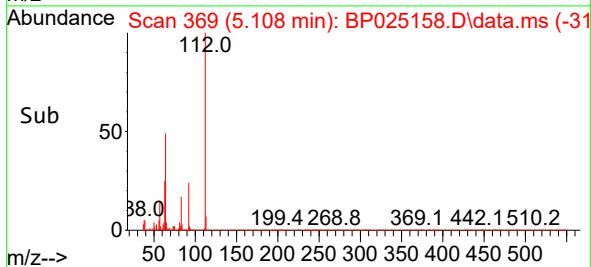
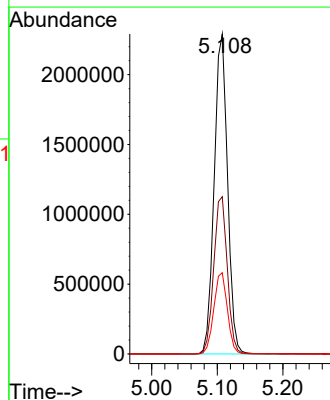
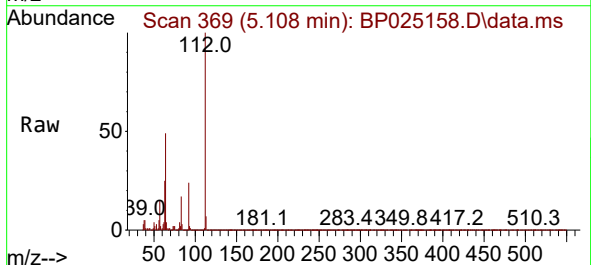
Instrument :
BNA_P
ClientSampleId :
TP-16

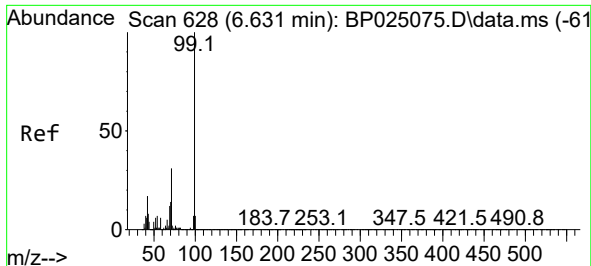
Tgt Ion:152 Resp: 585802
Ion Ratio Lower Upper
152 100
150 158.0 126.1 189.1
115 55.2 44.3 66.5



#5
2-Fluorophenol
Concen: 97.832 ng
RT: 5.108 min Scan# 369
Delta R.T. 0.012 min
Lab File: BP025158.D
Acq: 16 Jul 2025 14:49

Tgt Ion:112 Resp: 3234468
Ion Ratio Lower Upper
112 100
64 49.2 42.0 63.0
63 25.4 22.2 33.2

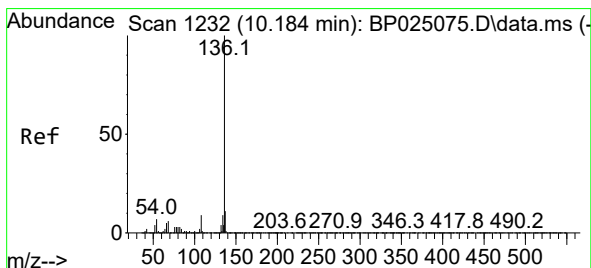
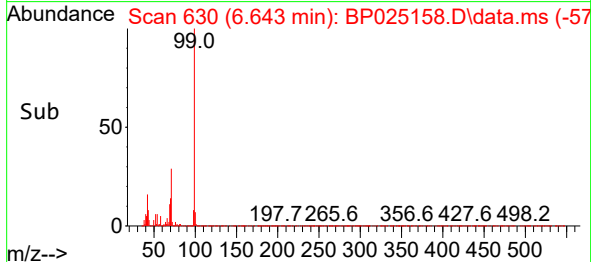
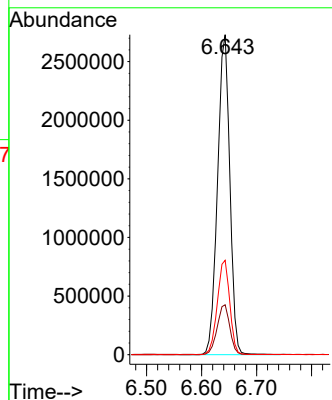
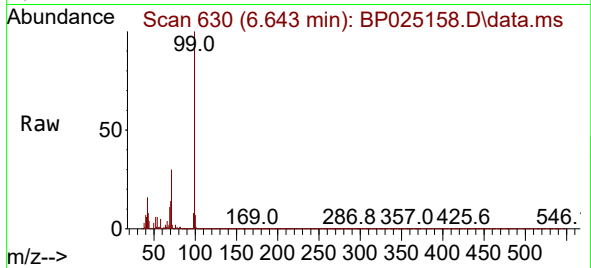




#7
Phenol-d6
Concen: 98.055 ng
RT: 6.643 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP025158.D
Acq: 16 Jul 2025 14:49

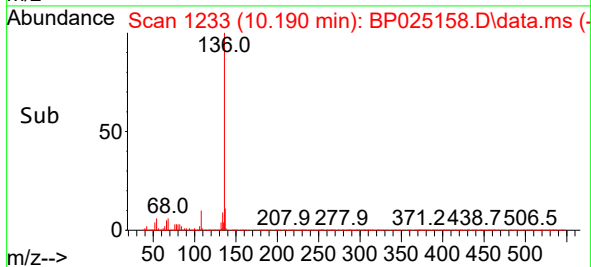
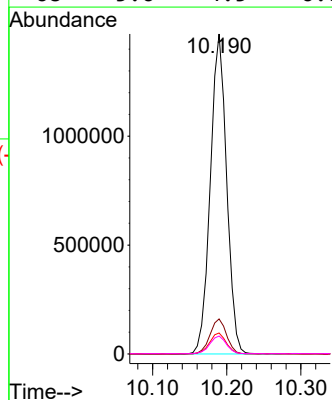
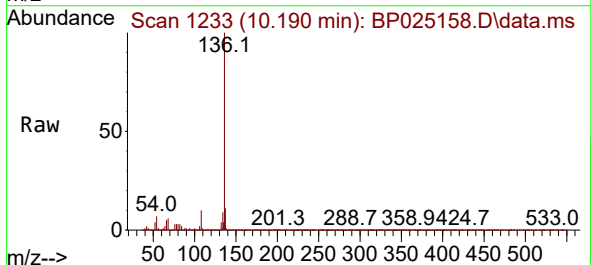
Instrument :
BNA_P
ClientSampleId :
TP-16

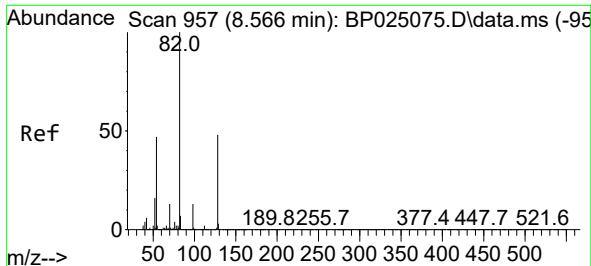
Tgt Ion: 99 Resp: 4230568
Ion Ratio Lower Upper
99 100
42 15.6 13.6 20.4
71 29.5 24.4 36.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.190 min Scan# 1233
Delta R.T. 0.006 min
Lab File: BP025158.D
Acq: 16 Jul 2025 14:49

Tgt Ion: 136 Resp: 2246241
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 6.5 5.4 8.2
68 5.6 4.5 6.7

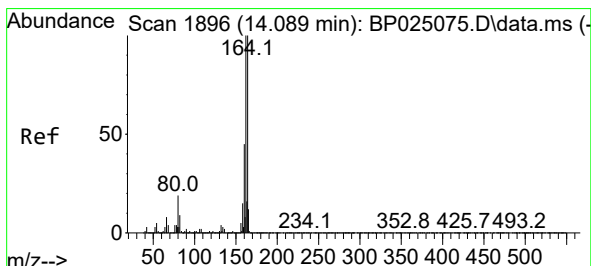
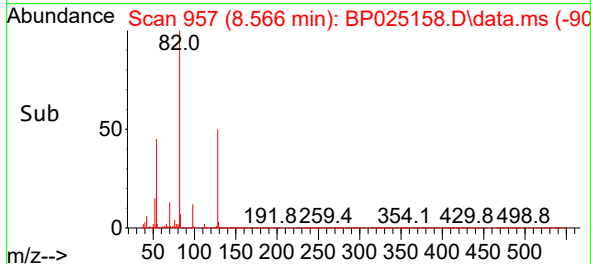
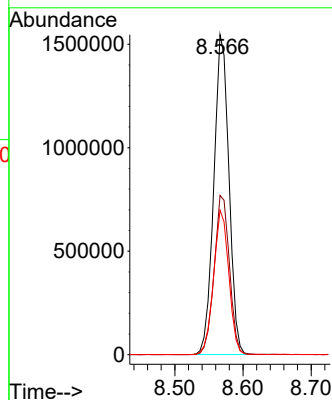
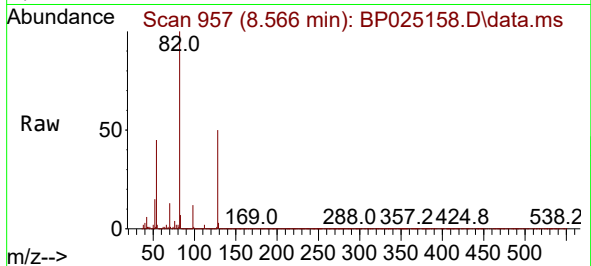




#23
Nitrobenzene-d5
Concen: 70.824 ng
RT: 8.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP025158.D
Acq: 16 Jul 2025 14:49

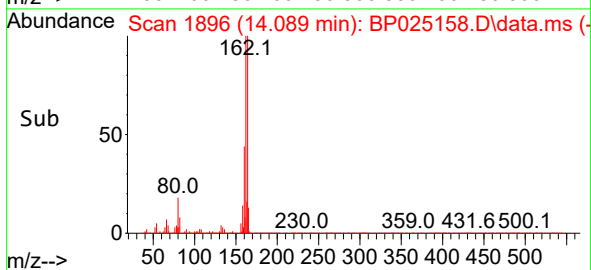
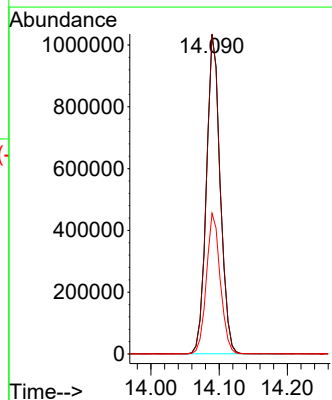
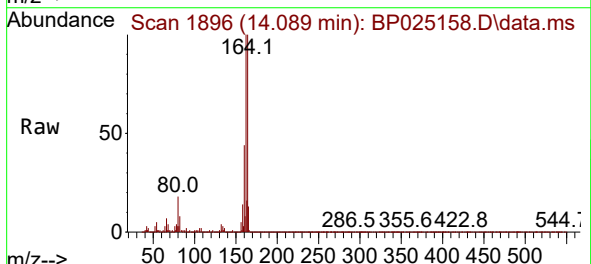
Instrument :
BNA_P
ClientSampleId :
TP-16

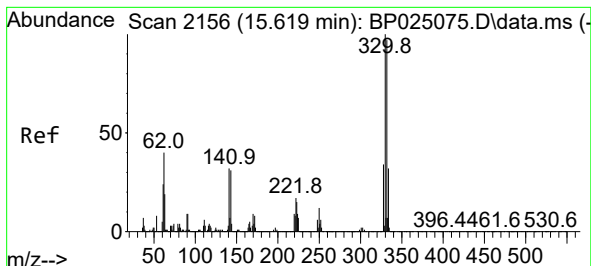
Tgt Ion: 82 Resp: 2392120
Ion Ratio Lower Upper
82 100
128 49.8 38.4 57.6
54 45.2 37.8 56.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.089 min Scan# 1896
Delta R.T. 0.000 min
Lab File: BP025158.D
Acq: 16 Jul 2025 14:49

Tgt Ion:164 Resp: 1453836
Ion Ratio Lower Upper
164 100
162 100.3 80.3 120.5
160 44.1 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 118.094 ng

RT: 15.631 min Scan# 2156

Delta R.T. 0.012 min

Lab File: BP025158.D

Acq: 16 Jul 2025 14:49

Instrument :

BNA_P

ClientSampleId :

TP-16

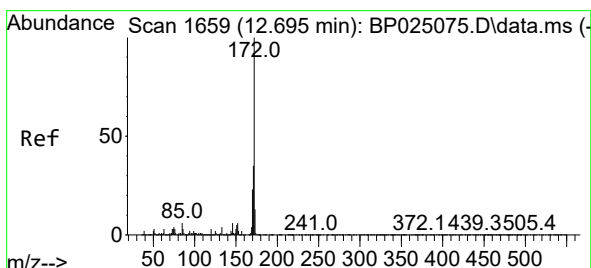
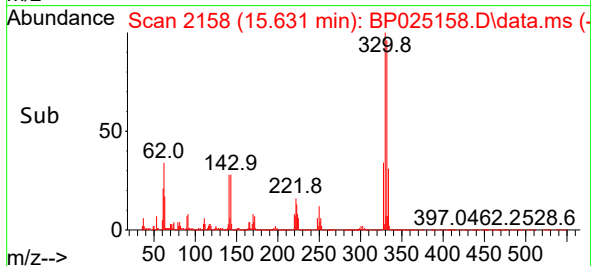
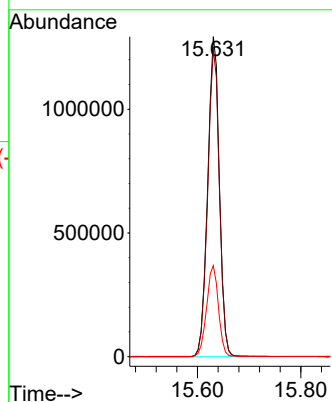
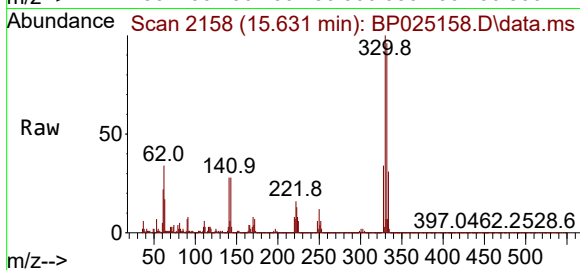
Tgt Ion:330 Resp: 2028228

Ion Ratio Lower Upper

330 100

332 96.5 77.7 116.5

141 28.6 26.0 39.0



#45

2-Fluorobiphenyl

Concen: 63.482 ng

RT: 12.695 min Scan# 1659

Delta R.T. 0.000 min

Lab File: BP025158.D

Acq: 16 Jul 2025 14:49

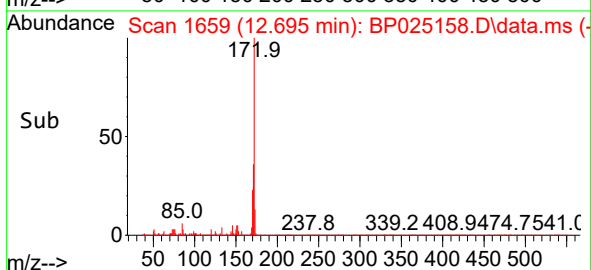
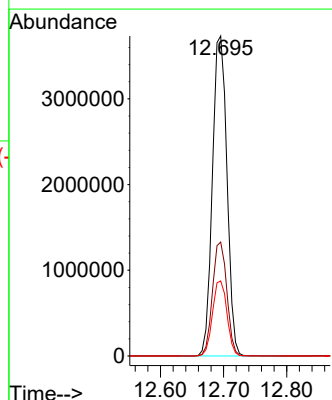
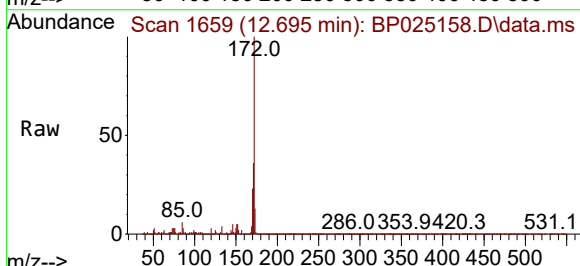
Tgt Ion:172 Resp: 5957519

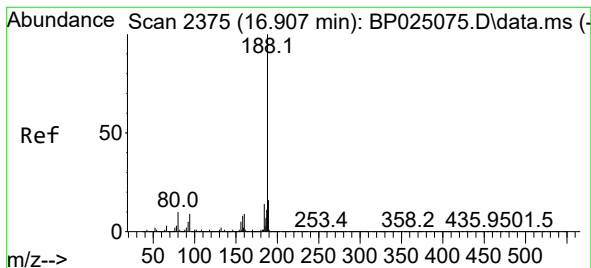
Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.2

170 23.5 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.925 min Scan# 21

Delta R.T. 0.018 min

Lab File: BP025158.D

Acq: 16 Jul 2025 14:49

Instrument :

BNA_P

ClientSampleId :

TP-16

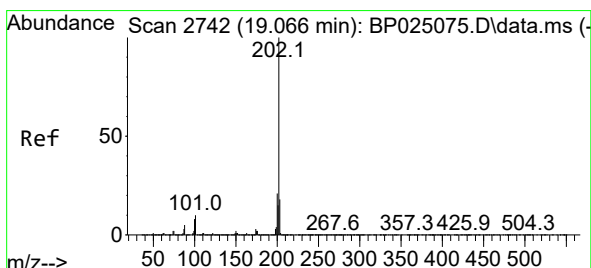
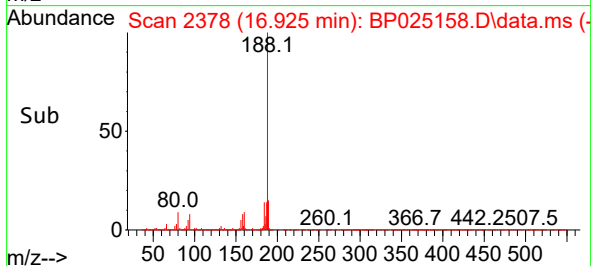
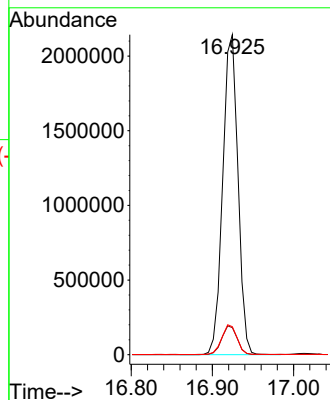
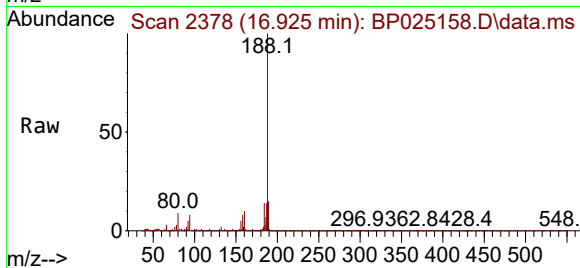
Tgt Ion:188 Resp: 2794881

Ion Ratio Lower Upper

188 100

94 8.4 7.3 10.9

80 8.8 7.8 11.6



#75

Fluoranthene

Concen: 2.755 ng

RT: 19.066 min Scan# 2742

Delta R.T. 0.000 min

Lab File: BP025158.D

Acq: 16 Jul 2025 14:49

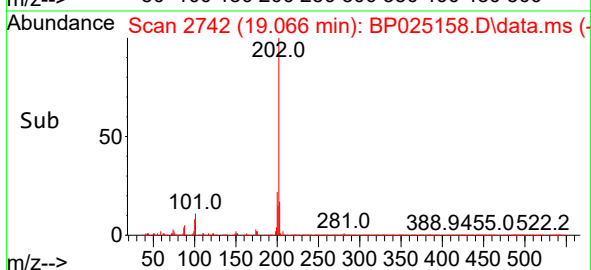
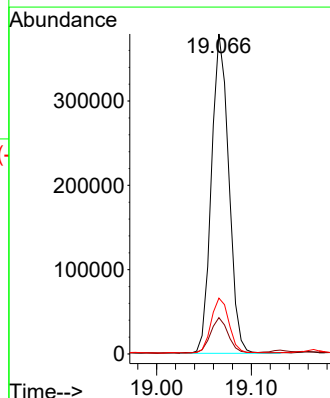
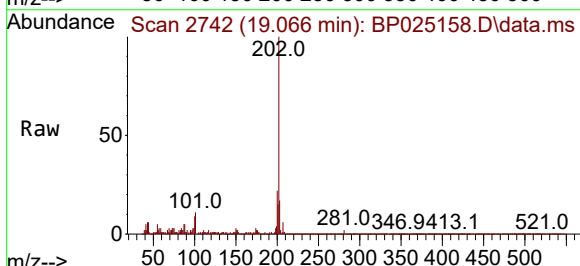
Tgt Ion:202 Resp: 480882

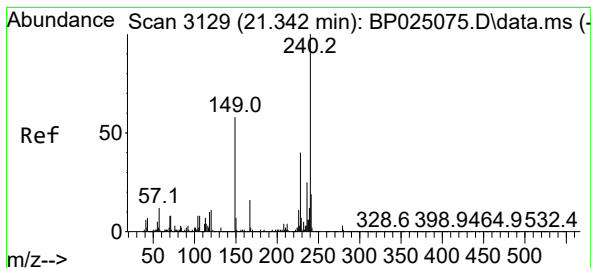
Ion Ratio Lower Upper

202 100

101 11.3 0.0 30.4

203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.360 min Scan# 3129

Delta R.T. 0.018 min

Lab File: BP025158.D

Acq: 16 Jul 2025 14:49

Instrument :

BNA_P

ClientSampleId :

TP-16

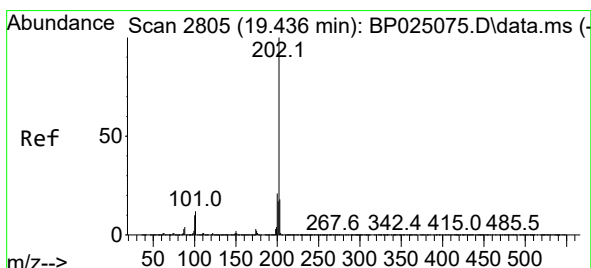
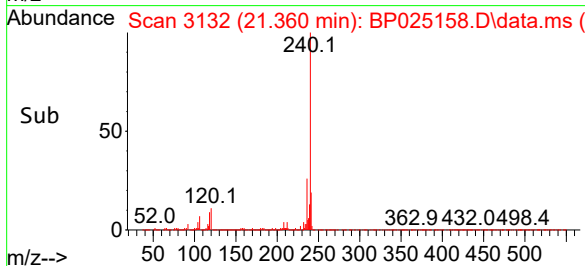
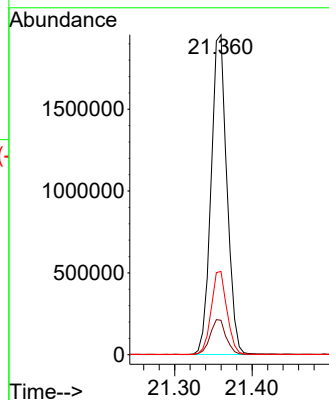
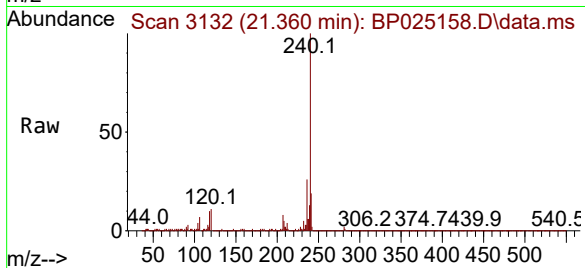
Tgt Ion:240 Resp: 2771587

Ion Ratio Lower Upper

240 100

120 10.7 9.0 13.4

236 26.0 20.3 30.5



#78

Pyrene

Concen: 2.982 ng

RT: 19.448 min Scan# 2807

Delta R.T. 0.012 min

Lab File: BP025158.D

Acq: 16 Jul 2025 14:49

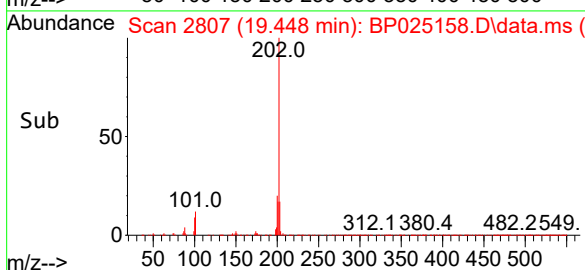
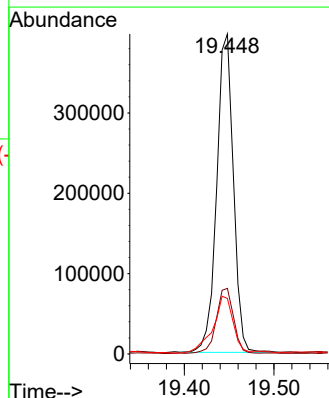
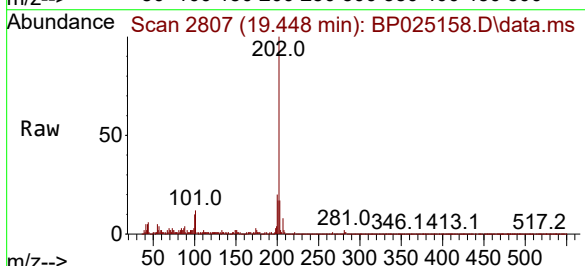
Tgt Ion:202 Resp: 511839

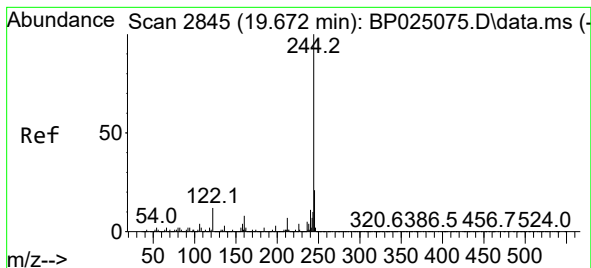
Ion Ratio Lower Upper

202 100

200 20.5 17.1 25.7

203 17.3 14.1 21.1





#79

Terphenyl-d14

Concen: 77.177 ng

RT: 19.683 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025158.D

Acq: 16 Jul 2025 14:49

Instrument :

BNA_P

ClientSampleId :

TP-16

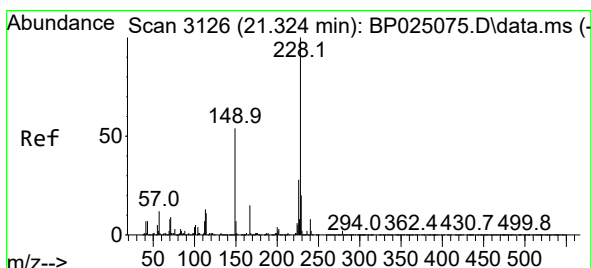
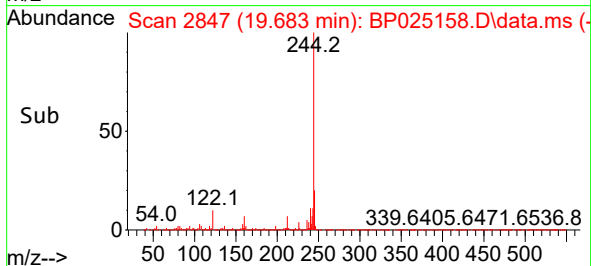
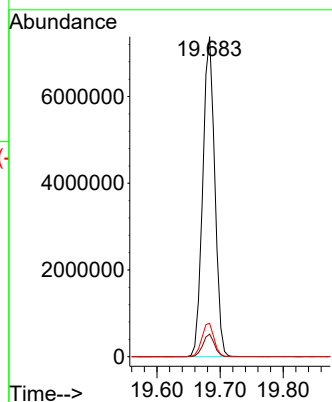
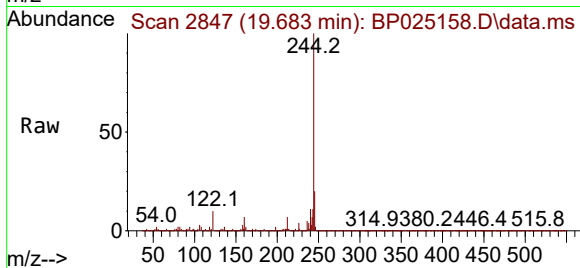
Tgt Ion:244 Resp: 9732683

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

122 10.4 9.4 14.2



#81

Benzo(a)anthracene

Concen: 2.149 ng

RT: 21.342 min Scan# 3129

Delta R.T. 0.018 min

Lab File: BP025158.D

Acq: 16 Jul 2025 14:49

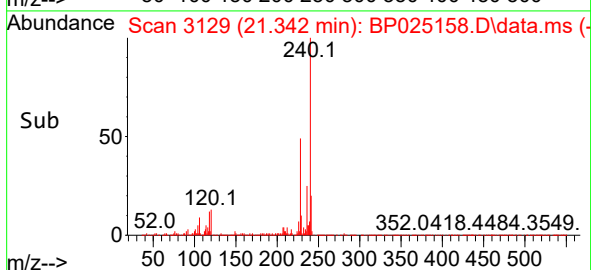
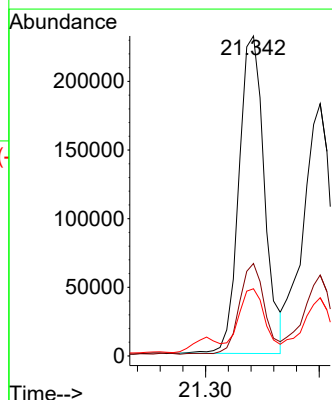
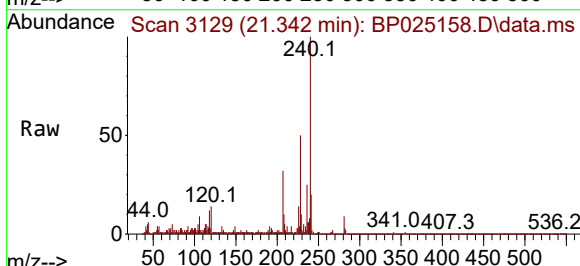
Tgt Ion:228 Resp: 360939

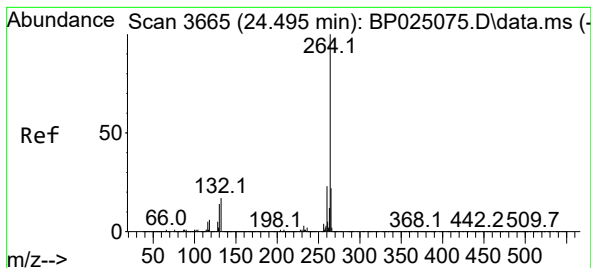
Ion Ratio Lower Upper

228 100

226 28.9 22.1 33.1

229 21.0 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.489 min Scan# 30

Delta R.T. -0.006 min

Lab File: BP025158.D

Acq: 16 Jul 2025 14:49

Instrument :

BNA_P

ClientSampleId :

TP-16

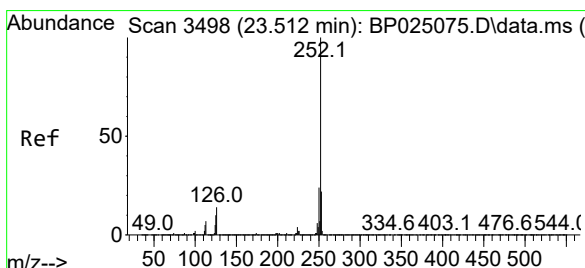
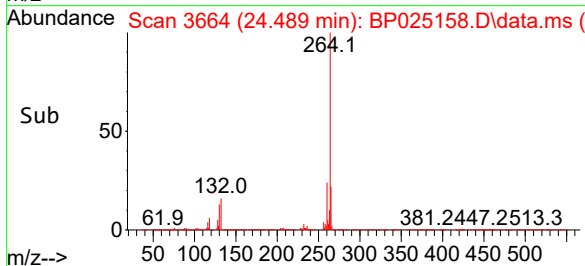
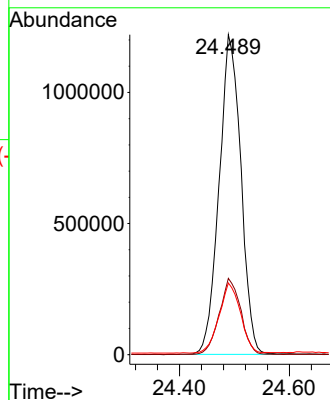
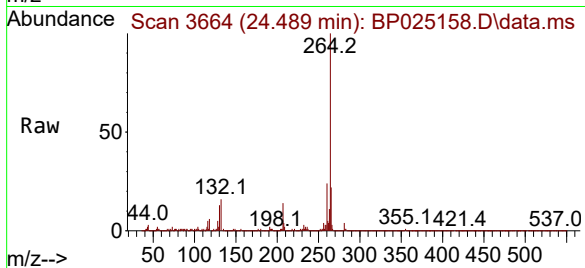
Tgt Ion:264 Resp: 3351599

Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 22.4 17.7 26.5



#88

Benzo(b)fluoranthene

Concen: 2.858 ng

RT: 23.501 min Scan# 3496

Delta R.T. -0.012 min

Lab File: BP025158.D

Acq: 16 Jul 2025 14:49

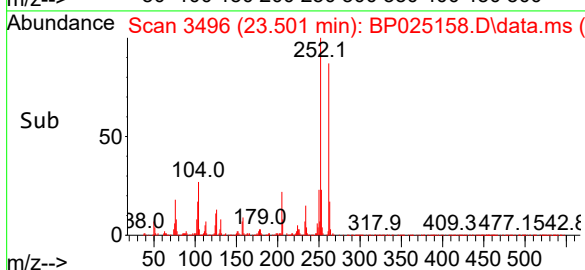
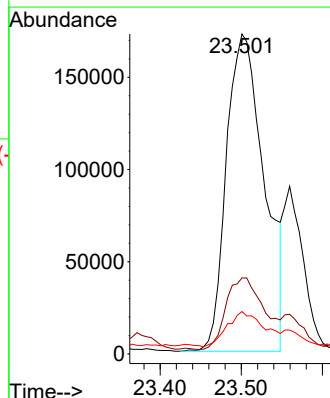
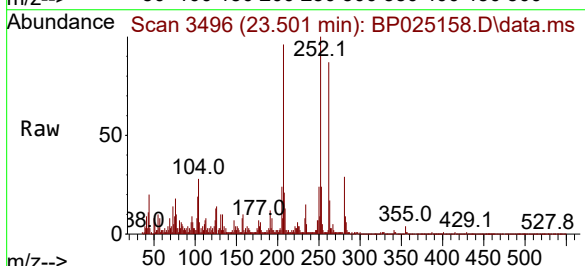
Tgt Ion:252 Resp: 557470

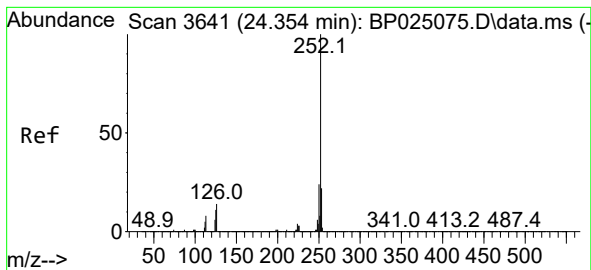
Ion Ratio Lower Upper

252 100

253 23.8 17.7 26.5

125 13.2 8.1 12.1#





#90

Benzo(a)pyrene

Concen: 2.563 ng

RT: 24.330 min Scan# 30

Delta R.T. -0.023 min

Lab File: BP025158.D

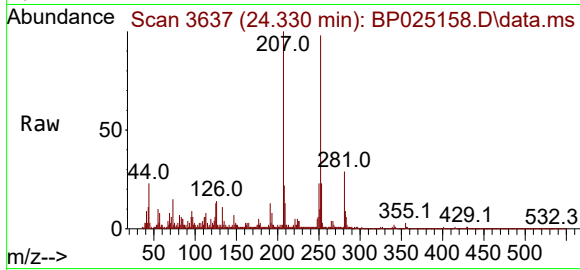
Acq: 16 Jul 2025 14:49

Instrument :

BNA_P

ClientSampleId :

TP-16



Tgt Ion:252 Resp: 425528

Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

125 13.0 9.0 13.4

