

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025536.D
 Acq On : 21 Aug 2025 12:12
 Operator : CG/JU
 Sample : Q2819-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 17M-S

Quant Time: Aug 21 13:06:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

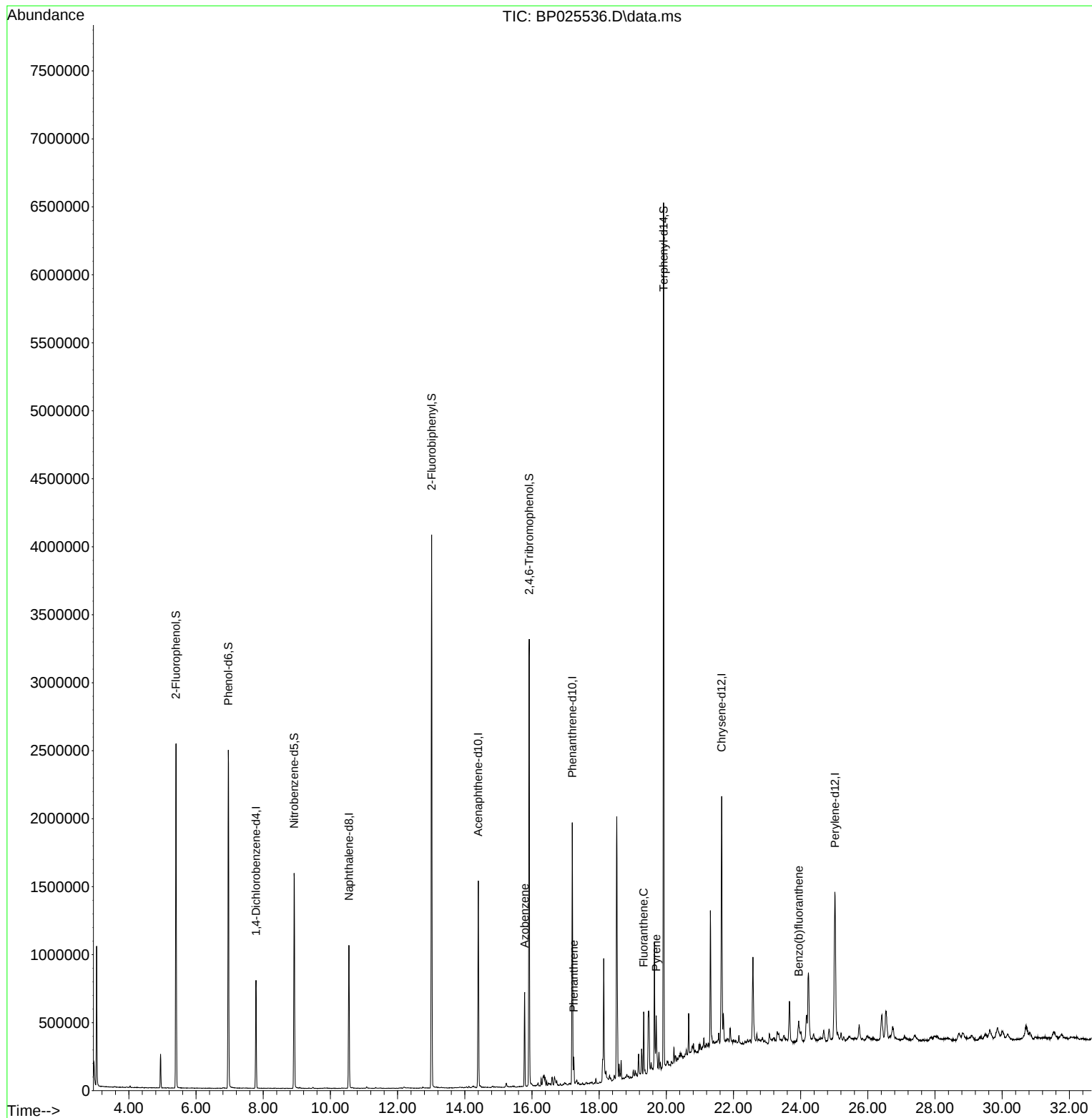
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	220677	20.000	ng	-0.01
21) Naphthalene-d8	10.549	136	884460	20.000	ng	-0.01
39) Acenaphthene-d10	14.401	164	566498	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	1127810	20.000	ng	0.00
76) Chrysene-d12	21.648	240	1111827	20.000	ng	0.00
86) Perylene-d12	25.018	264	1225646	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	1083021	81.502	ng	0.00
7) Phenol-d6	6.960	99	1396200	81.953	ng	0.00
23) Nitrobenzene-d5	8.919	82	914132	52.283	ng	-0.02
42) 2,4,6-Tribromophenol	15.919	330	629781	82.593	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2107259	50.838	ng	0.00
79) Terphenyl-d14	19.919	244	3146789	51.782	ng	0.00
Target Compounds						
						Qvalue
63) Azobenzene	15.784	77	197097	5.461	ng	# 1
71) Phenanthrene	17.242	178	125298	2.022	ng	98
75) Fluoranthene	19.325	202	265995	3.599	ng	98
78) Pyrene	19.701	202	228825	3.166	ng	99
88) Benzo(b)fluoranthene	23.942	252	159045	2.201	ng	# 95

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

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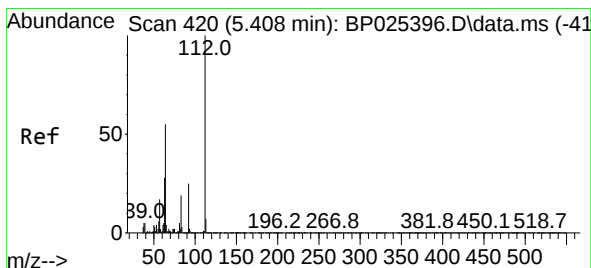
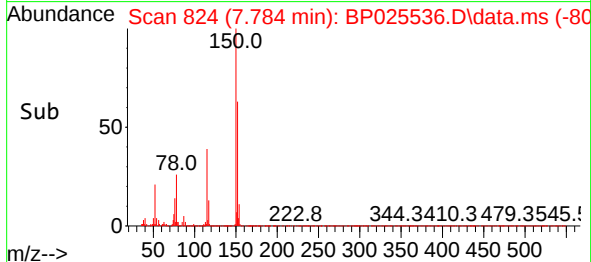
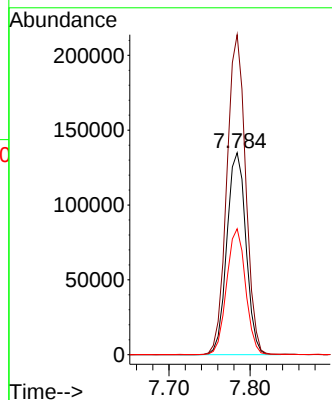
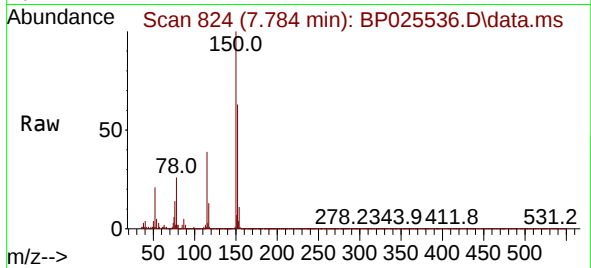




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.784 min Scan# 81
 Delta R.T. -0.012 min
 Lab File: BP025536.D
 Acq: 21 Aug 2025 12:12

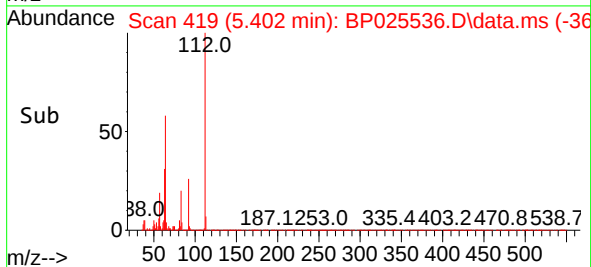
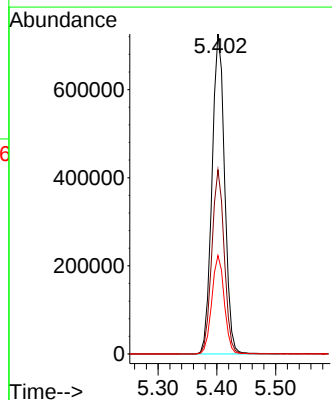
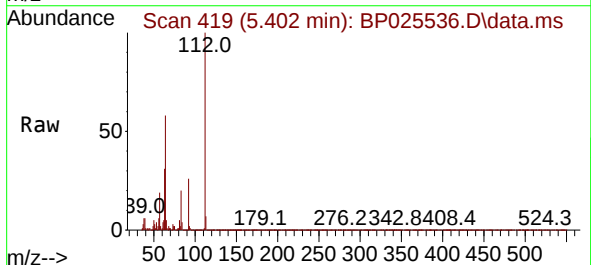
Instrument :
 BNA_P
 ClientSampleId :
 17M-S

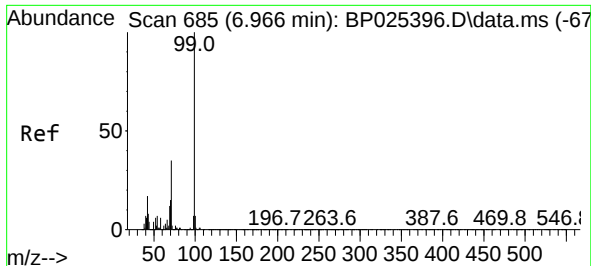
Tgt Ion:152 Resp: 220677
 Ion Ratio Lower Upper
 152 100
 150 158.4 125.9 188.9
 115 62.4 48.5 72.7



#5
 2-Fluorophenol
 Concen: 81.502 ng
 RT: 5.402 min Scan# 419
 Delta R.T. -0.006 min
 Lab File: BP025536.D
 Acq: 21 Aug 2025 12:12

Tgt Ion:112 Resp: 1083021
 Ion Ratio Lower Upper
 112 100
 64 57.5 43.8 65.8
 63 30.8 22.7 34.1

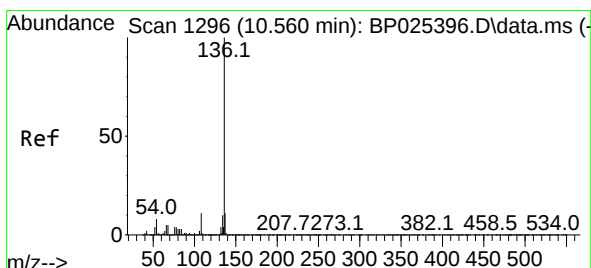
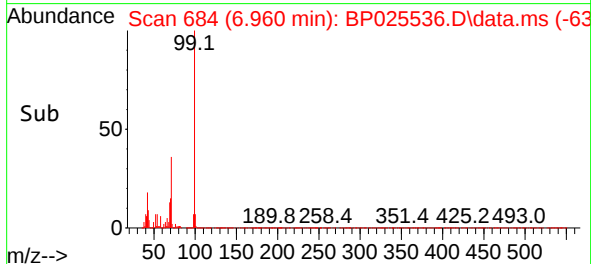
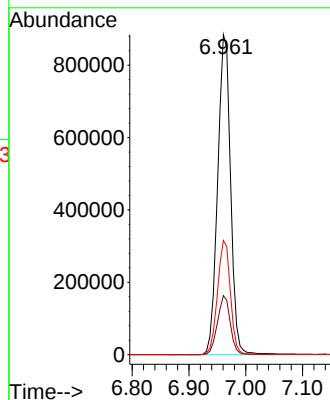
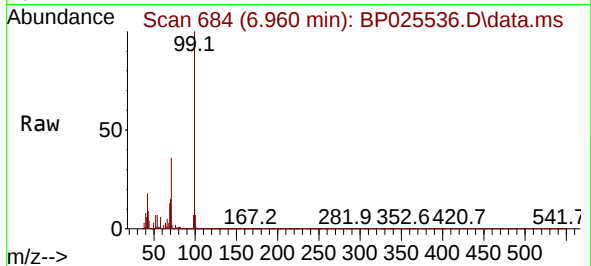




#7
Phenol-d6
Concen: 81.953 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025536.D
Acq: 21 Aug 2025 12:12

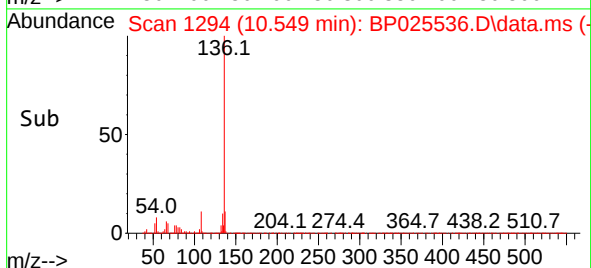
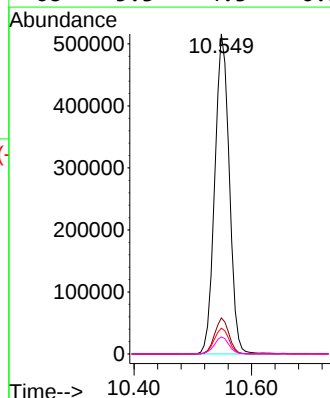
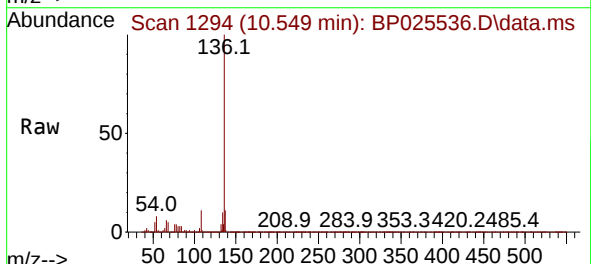
Instrument :
BNA_P
ClientSampleId :
17M-S

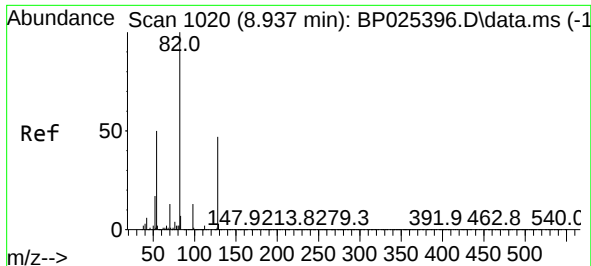
Tgt Ion: 99 Resp: 1396200
Ion Ratio Lower Upper
99 100
42 18.4 13.7 20.5
71 35.7 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.549 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BP025536.D
Acq: 21 Aug 2025 12:12

Tgt Ion: 136 Resp: 884460
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 8.1 6.0 9.0
68 5.3 4.3 6.5





#23
 Nitrobenzene-d5
 Concen: 52.283 ng
 RT: 8.919 min Scan# 1017
 Delta R.T. -0.018 min
 Lab File: BP025536.D
 Acq: 21 Aug 2025 12:12

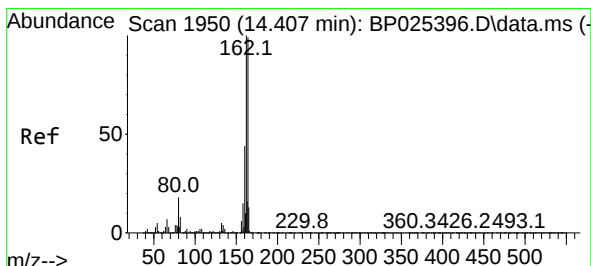
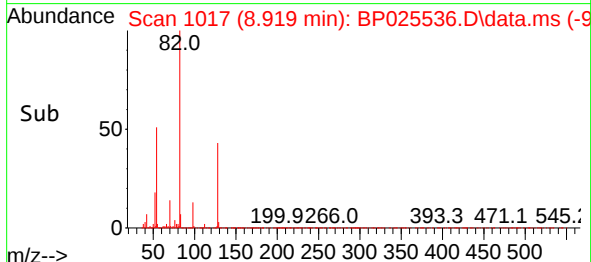
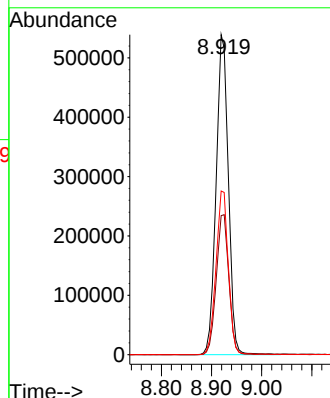
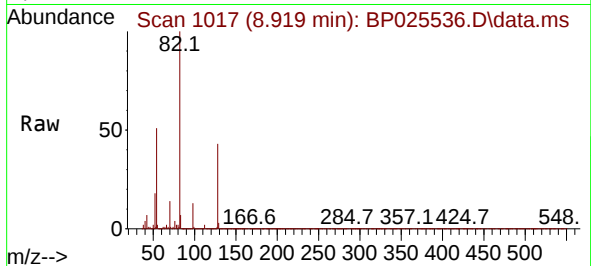
Instrument :

BNA_P

ClientSampleId :

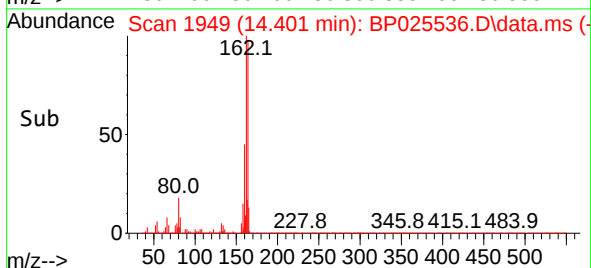
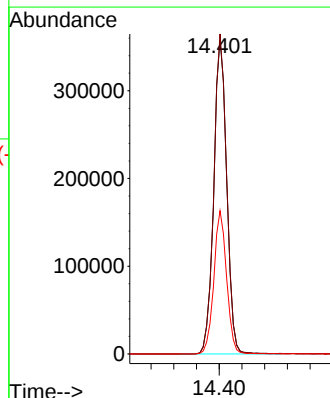
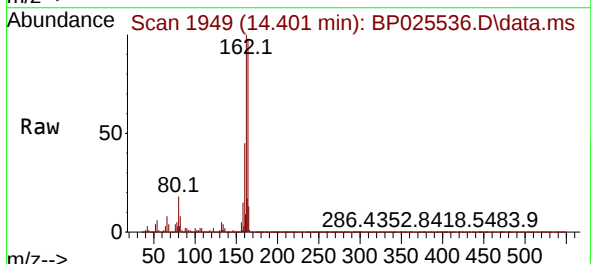
17M-S

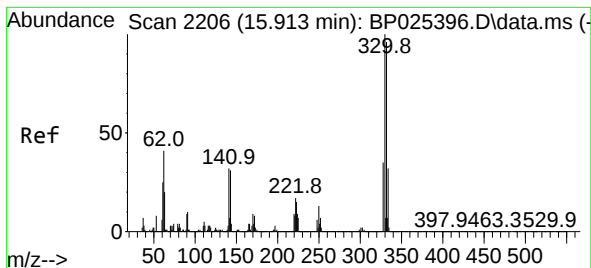
Tgt Ion: 82 Resp: 914132
 Ion Ratio Lower Upper
 82 100
 128 43.5 37.7 56.5
 54 51.1 39.8 59.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.401 min Scan# 1949
 Delta R.T. -0.006 min
 Lab File: BP025536.D
 Acq: 21 Aug 2025 12:12

Tgt Ion:164 Resp: 566498
 Ion Ratio Lower Upper
 164 100
 162 101.9 81.0 121.6
 160 45.6 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 82.593 ng

RT: 15.919 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025536.D

Acq: 21 Aug 2025 12:12

Instrument :

BNA_P

ClientSampleId :

17M-S

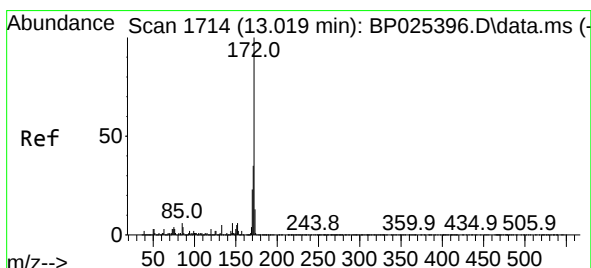
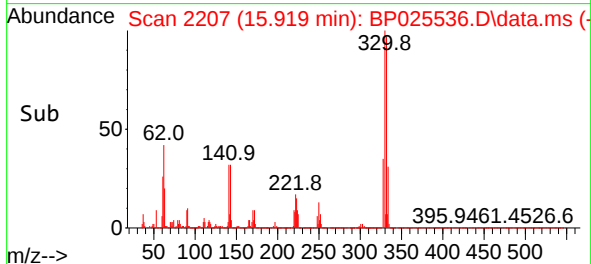
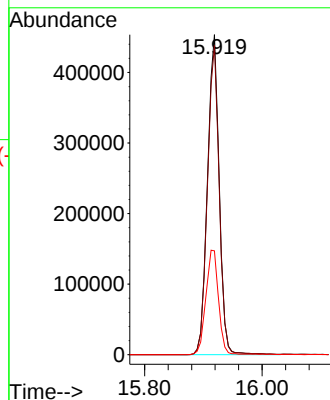
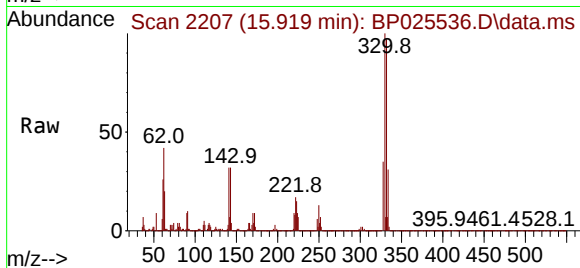
Tgt Ion:330 Resp: 629781

Ion Ratio Lower Upper

330 100

332 97.0 77.3 115.9

141 35.2 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 50.838 ng

RT: 13.013 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BP025536.D

Acq: 21 Aug 2025 12:12

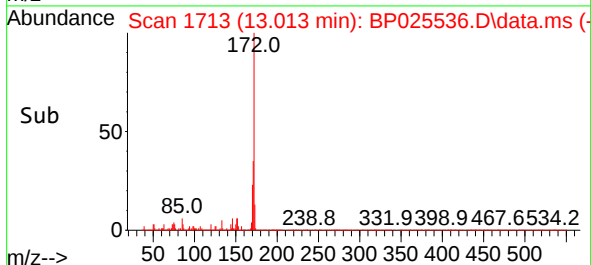
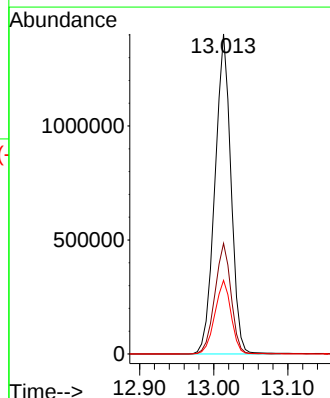
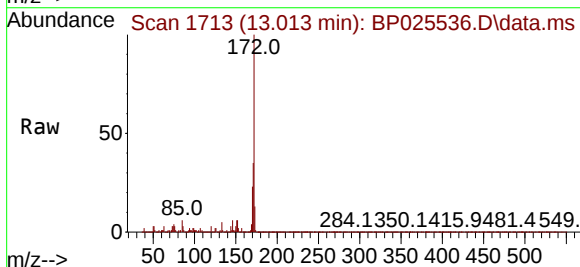
Tgt Ion:172 Resp: 2107259

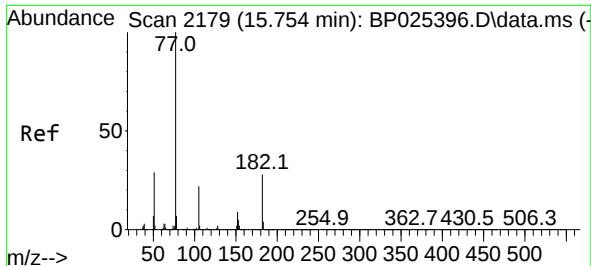
Ion Ratio Lower Upper

172 100

171 34.5 28.1 42.1

170 23.0 18.6 28.0

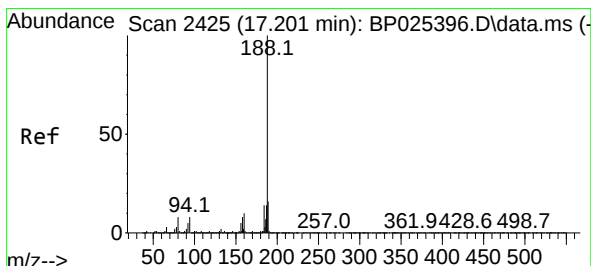
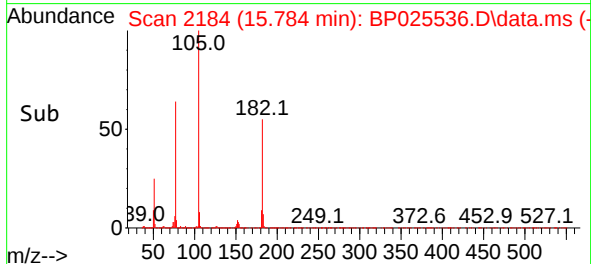
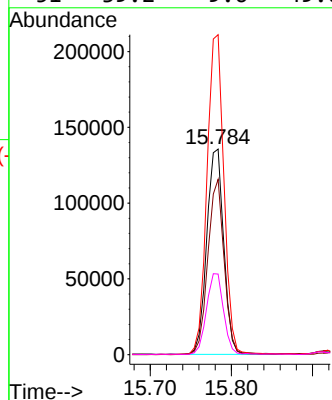
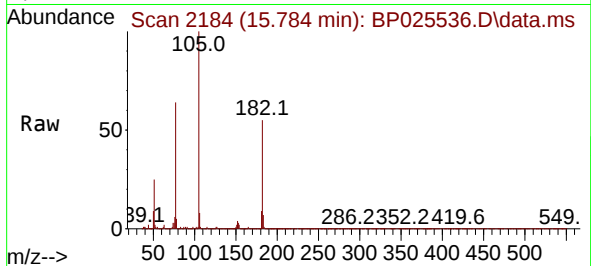




#63
Azobenzene
Concen: 5.461 ng
RT: 15.784 min Scan# 2179
Delta R.T. 0.030 min
Lab File: BP025536.D
Acq: 21 Aug 2025 12:12

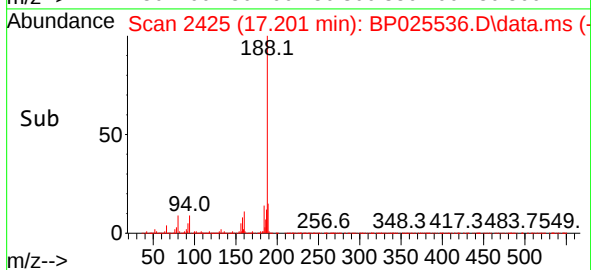
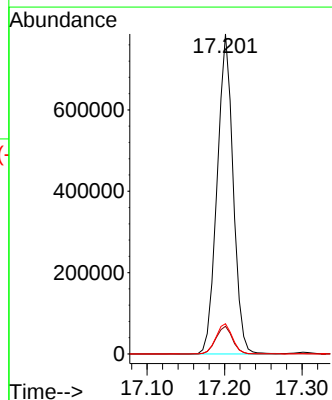
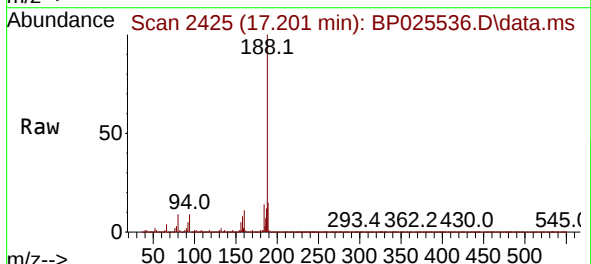
Instrument :
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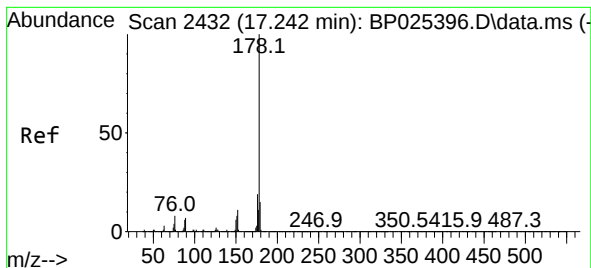
Tgt Ion: 77 Resp: 197097
Ion Ratio Lower Upper
77 100
182 85.3 7.5 47.5#
105 155.6 2.1 42.1#
51 39.2 9.6 49.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025536.D
Acq: 21 Aug 2025 12:12

Tgt Ion:188 Resp: 1127810
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 9.4 6.7 10.1





#71

Phenanthrene

Concen: 2.022 ng

RT: 17.242 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BP025536.D

Acq: 21 Aug 2025 12:12

Instrument :

BNA_P

ClientSampleId :

17M-S

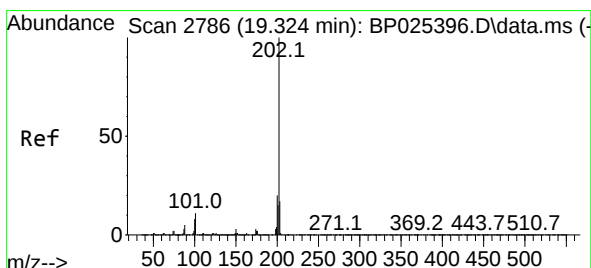
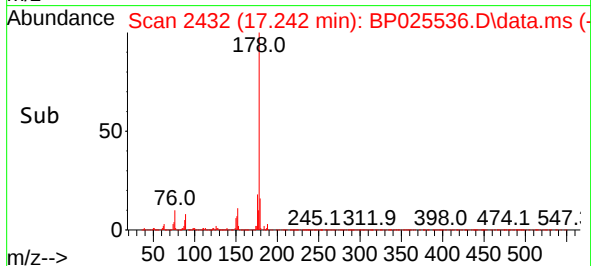
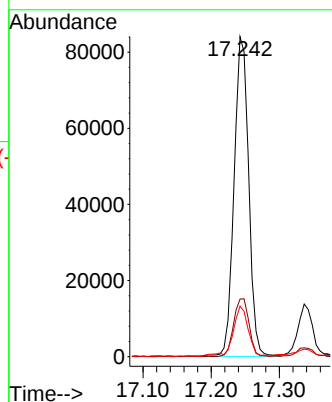
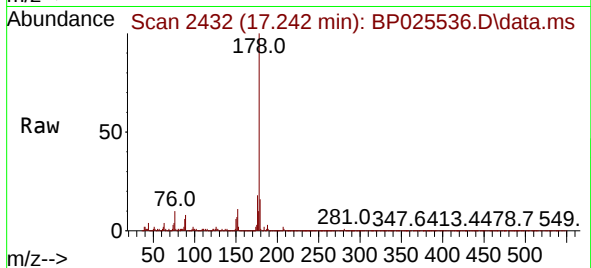
Tgt Ion:178 Resp: 125298

Ion Ratio Lower Upper

178 100

176 18.0 15.5 23.3

179 15.8 12.2 18.4



#75

Fluoranthene

Concen: 3.599 ng

RT: 19.325 min Scan# 2786

Delta R.T. 0.000 min

Lab File: BP025536.D

Acq: 21 Aug 2025 12:12

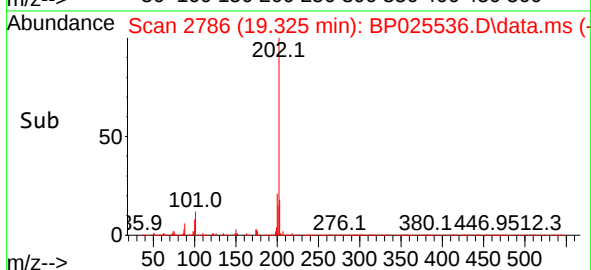
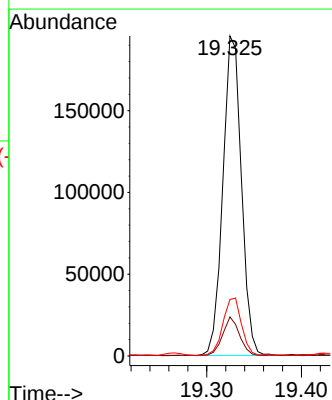
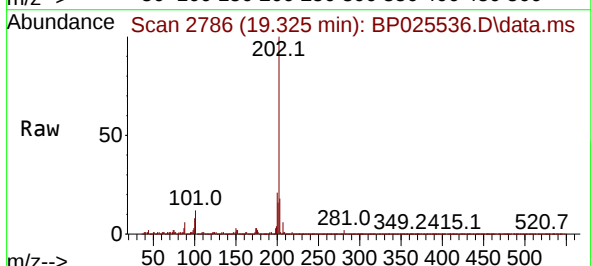
Tgt Ion:202 Resp: 265995

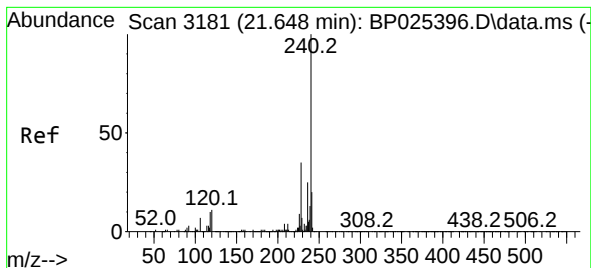
Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.1

203 17.7 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.648 min Scan# 3181

Delta R.T. 0.000 min

Lab File: BP025536.D

Acq: 21 Aug 2025 12:12

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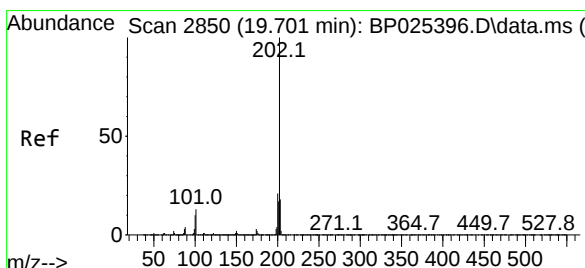
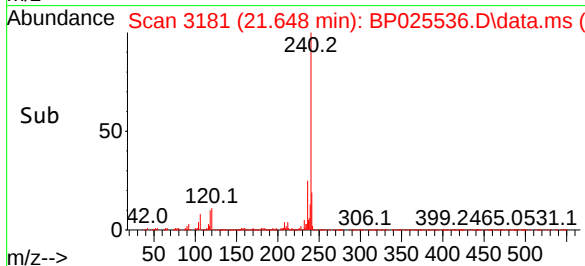
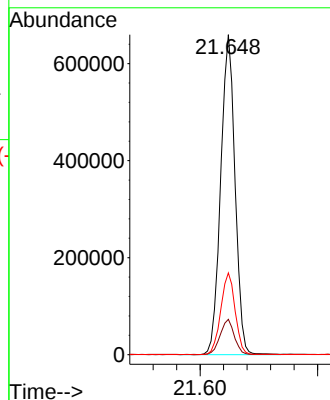
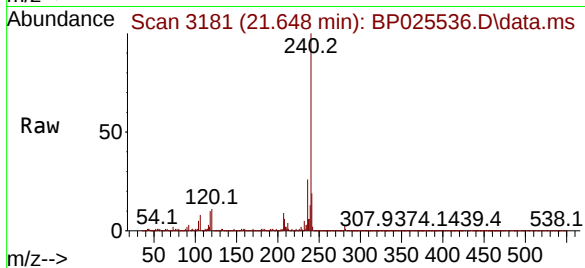
Tgt Ion:240 Resp: 1111827

Ion Ratio Lower Upper

240 100

120 11.1 8.9 13.3

236 25.5 19.8 29.8



#78

Pyrene

Concen: 3.166 ng

RT: 19.701 min Scan# 2850

Delta R.T. 0.000 min

Lab File: BP025536.D

Acq: 21 Aug 2025 12:12

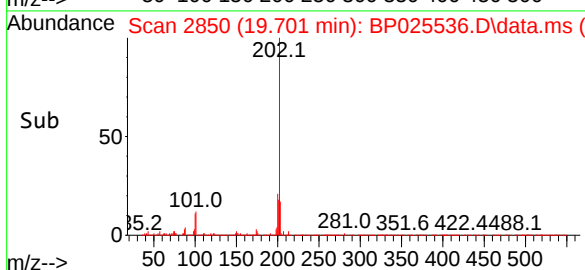
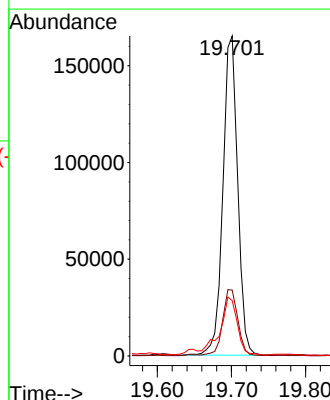
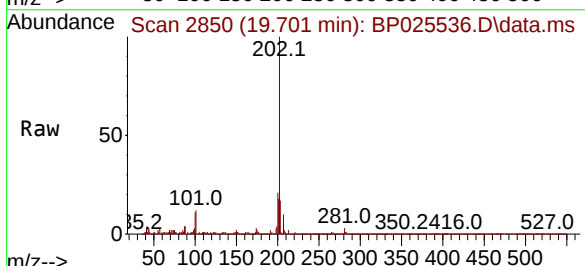
Tgt Ion:202 Resp: 228825

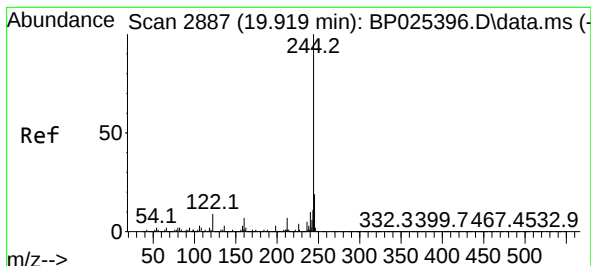
Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 51.782 ng

RT: 19.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025536.D

Acq: 21 Aug 2025 12:12

Instrument :

BNA_P

ClientSampleId :

17M-S

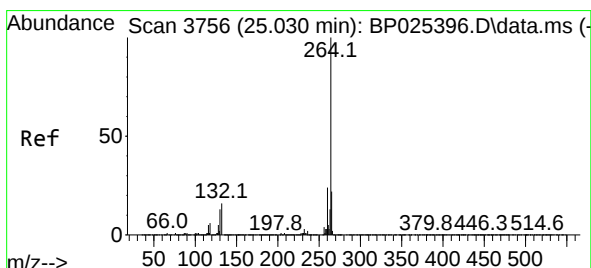
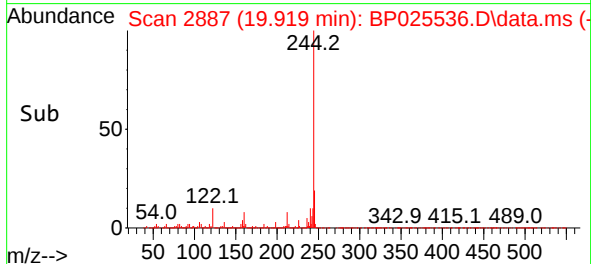
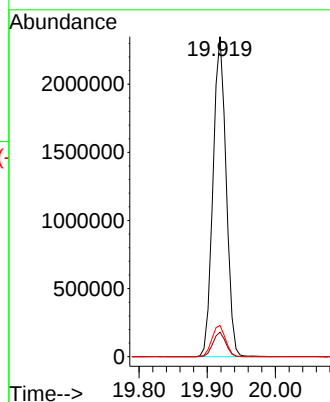
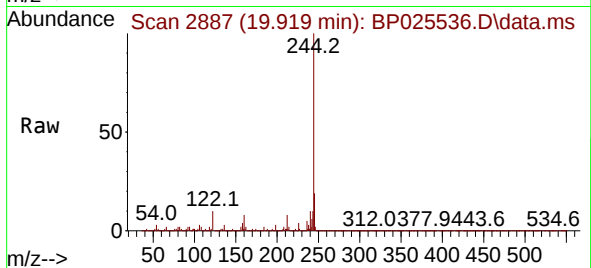
Tgt Ion:244 Resp: 3146789

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

122 9.8 7.4 11.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.018 min Scan# 3754

Delta R.T. -0.012 min

Lab File: BP025536.D

Acq: 21 Aug 2025 12:12

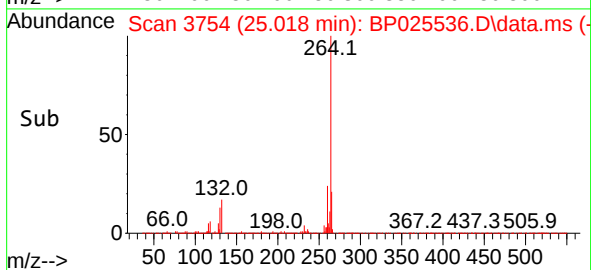
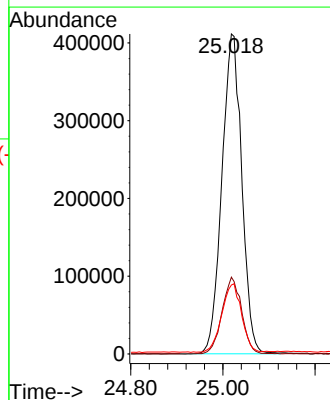
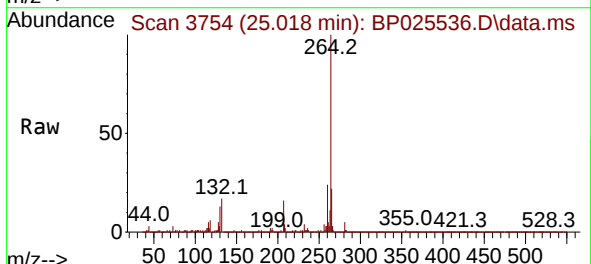
Tgt Ion:264 Resp: 1225646

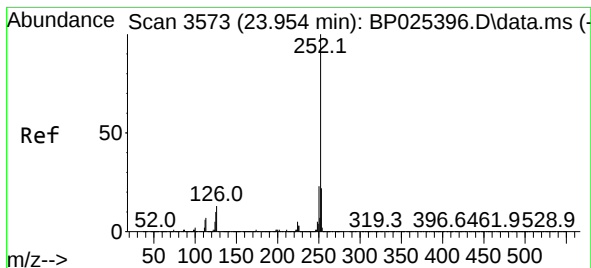
Ion Ratio Lower Upper

264 100

260 24.0 19.3 28.9

265 21.5 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 2.201 ng

RT: 23.942 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025536.D

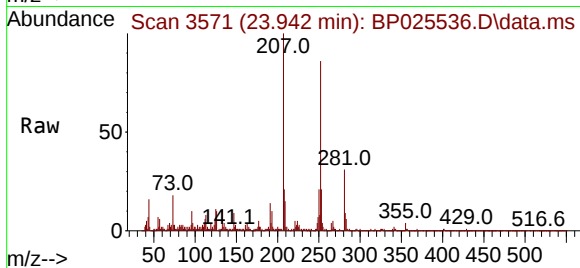
Acq: 21 Aug 2025 12:12

Instrument :

BNA_P

ClientSampleId :

17M-S



Tgt Ion:252 Resp: 159045

Ion Ratio Lower Upper

252 100

253 24.2 17.7 26.5

125 12.5 7.9 11.9#

