

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092225\
 Data File : BP025818.D
 Acq On : 22 Sep 2025 18:31
 Operator : CG/JU
 Sample : Q3138-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MOO-25-0239-0241

Quant Time: Sep 22 19:04:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 16:45:04 2025
 Response via : Initial Calibration

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

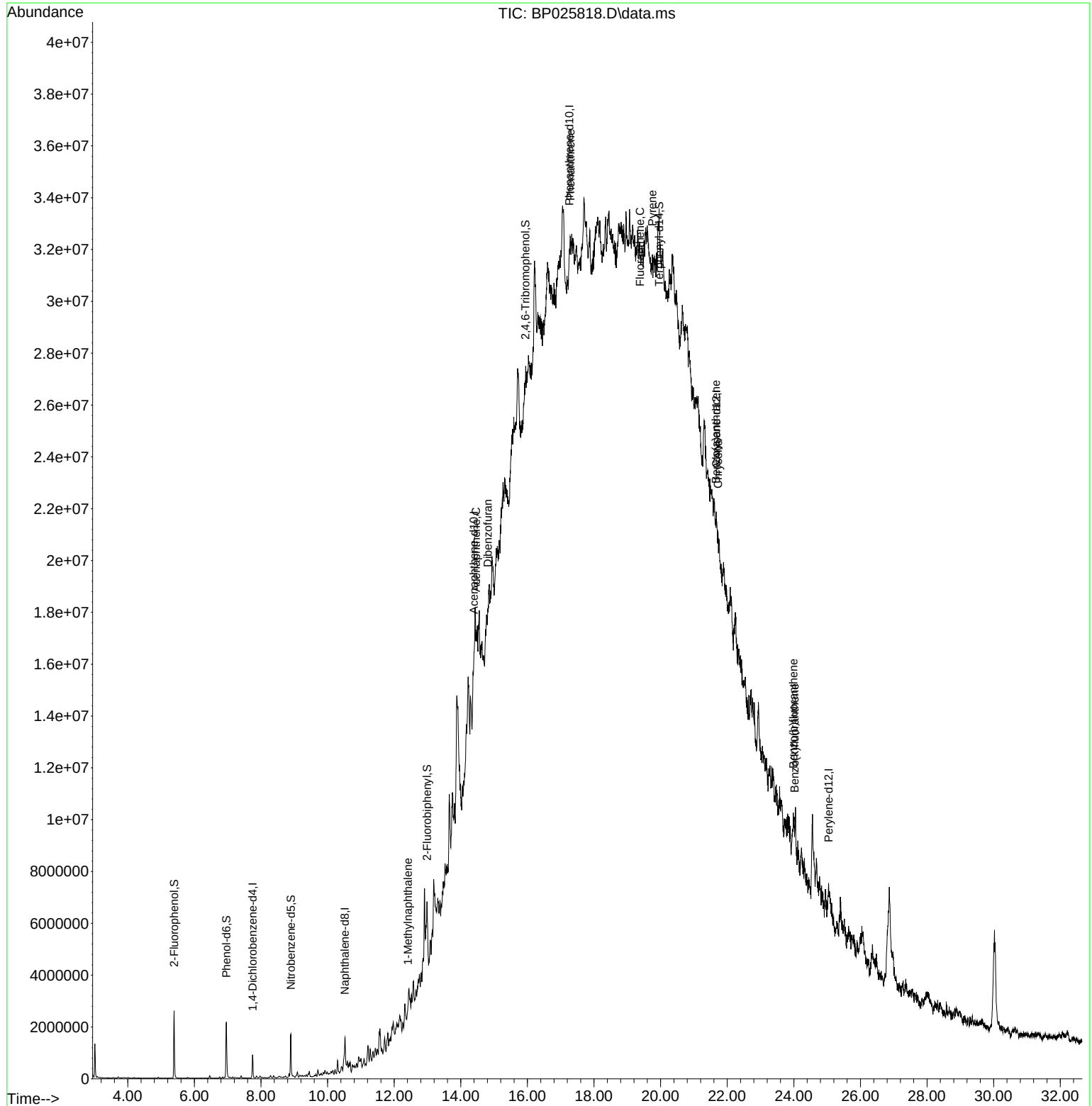
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.749	152	251617	20.000	ng	-0.01
21) Naphthalene-d8	10.519	136	946581	20.000	ng	0.00
39) Acenaphthene-d10	14.390	164	408188	20.000	ng	# 0.01
64) Phenanthrene-d10	17.260	188	464091m	20.000	ng	0.08
76) Chrysene-d12	21.672	240	765453	20.000	ng	# 0.03
86) Perylene-d12	25.048	264	997317	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.390	112	1136391	72.874	ng	0.00
7) Phenol-d6	6.961	99	1477769	71.296	ng	0.01
23) Nitrobenzene-d5	8.896	82	989869	46.128	ng	0.00
42) 2,4,6-Tribromophenol	15.942	330	400465	78.656	ng	0.04
45) 2-Fluorobiphenyl	12.990	172	1736973	56.660	ng	0.00
79) Terphenyl-d14	19.954	244	1576351	37.048	ng	0.04
Target Compounds						Qvalue
38) 1-Methylnaphthalene	12.407	142	82141	2.350	ng	# 90
52) Acenaphthene	14.454	154	118865	5.273	ng	# 53
55) Dibenzofuran	14.807	168	294494	8.016	ng	# 41
71) Phenanthrene	17.295	178	858553	32.612	ng	# 28
75) Fluoranthene	19.378	202	991793	31.412	ng	77
78) Pyrene	19.748	202	774140	15.157	ng	# 78
81) Benzo(a)anthracene	21.660	228	197202	3.763	ng	# 58
83) Chrysene	21.724	228	278846	5.582	ng	# 69
88) Benzo(b)fluoranthene	23.983	252	305650m	5.012	ng	
89) Benzo(k)fluoranthene	24.018	252	137218m	2.205	ng	

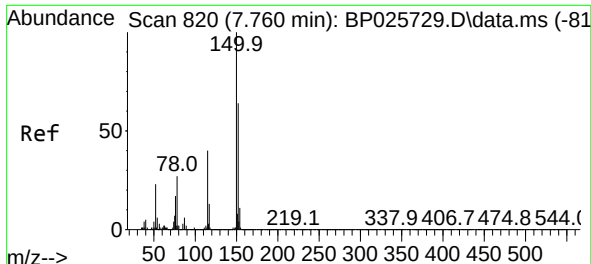
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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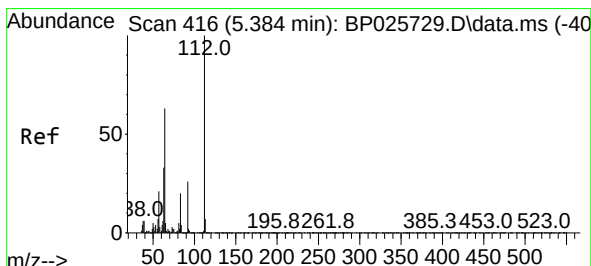
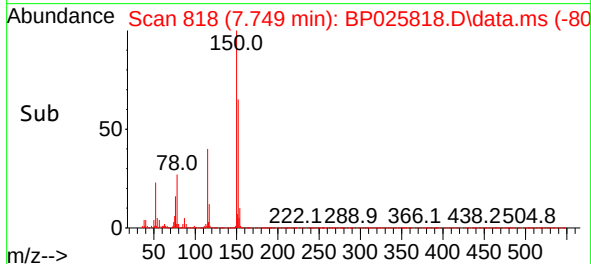
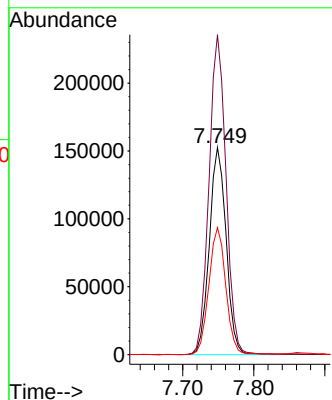
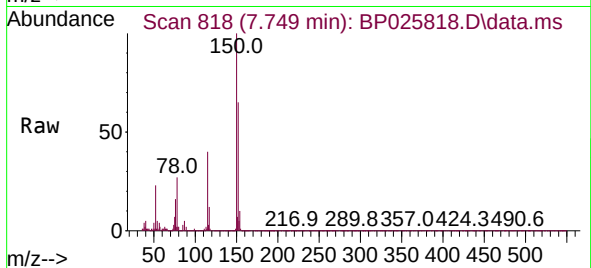




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.749 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP025818.D
Acq: 22 Sep 2025 18:31

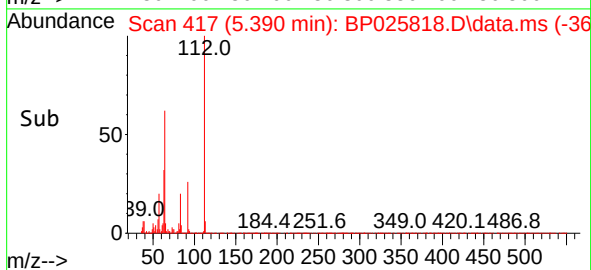
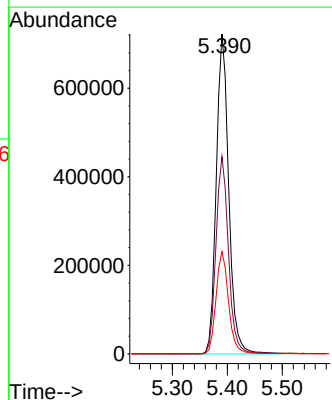
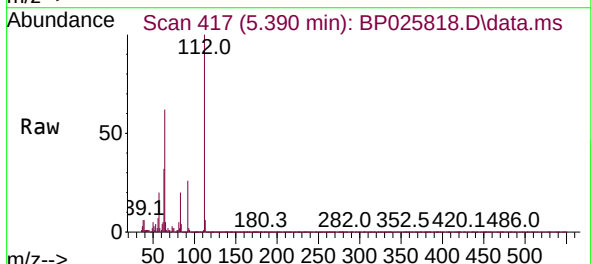
Instrument :
BNA_P
ClientSampleId :
MOO-25-0239-0241

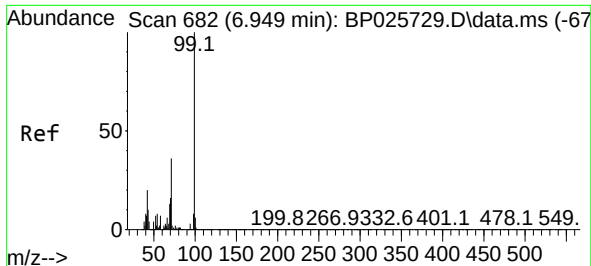
Tgt Ion:152 Resp: 251617
Ion Ratio Lower Upper
152 100
150 154.4 124.3 186.5
115 61.3 50.3 75.5



#5
2-Fluorophenol
Concen: 72.874 ng
RT: 5.390 min Scan# 417
Delta R.T. 0.006 min
Lab File: BP025818.D
Acq: 22 Sep 2025 18:31

Tgt Ion:112 Resp: 1136391
Ion Ratio Lower Upper
112 100
64 61.7 50.2 75.4
63 32.0 26.7 40.1

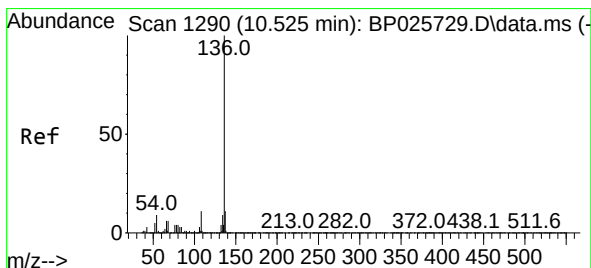
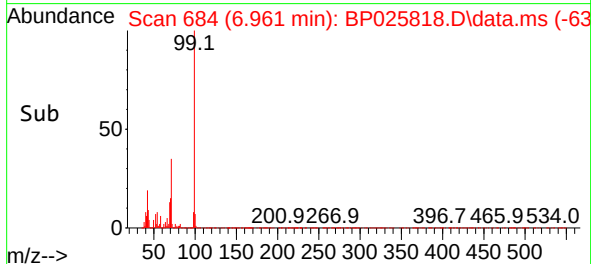
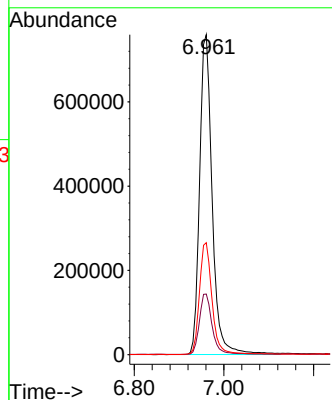
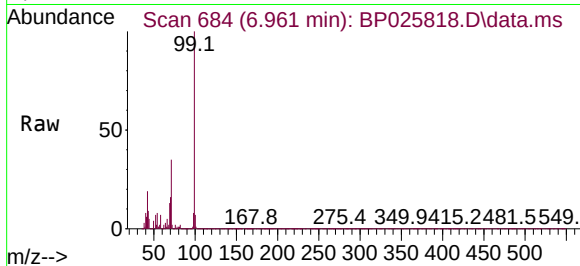




#7
Phenol-d6
Concen: 71.296 ng
RT: 6.961 min Scan# 684
Delta R.T. 0.012 min
Lab File: BP025818.D
Acq: 22 Sep 2025 18:31

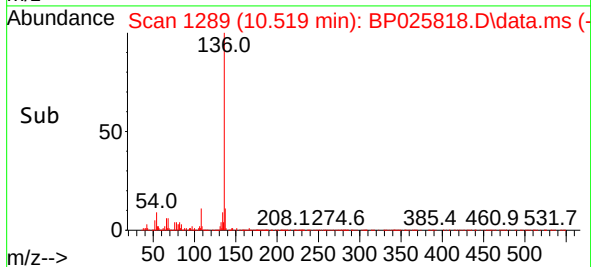
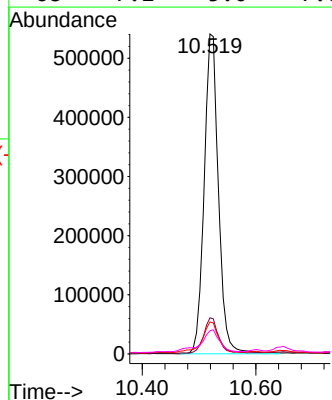
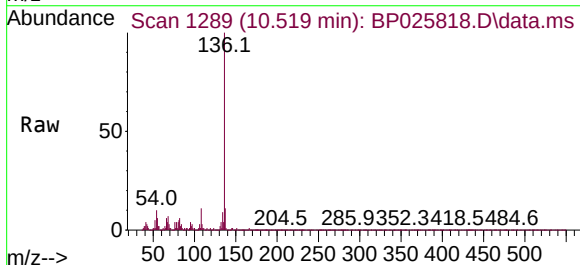
Instrument :
BNA_P
ClientSampleId :
MOO-25-0239-0241

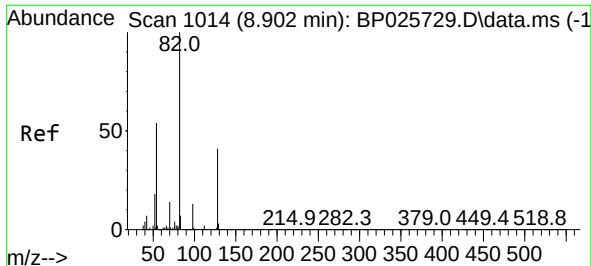
Tgt Ion: 99 Resp: 1477769
Ion Ratio Lower Upper
99 100
42 18.9 15.6 23.4
71 35.0 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.519 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP025818.D
Acq: 22 Sep 2025 18:31

Tgt Ion: 136 Resp: 946581
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 10.0 7.5 11.3
68 7.2 5.0 7.6

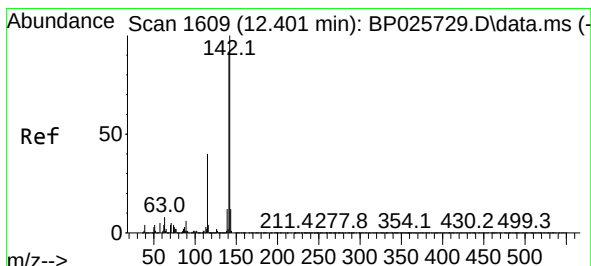
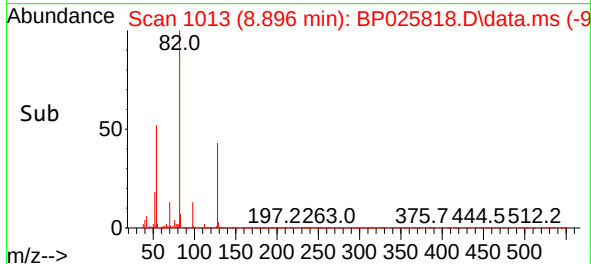
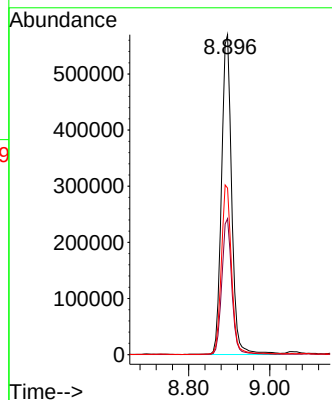
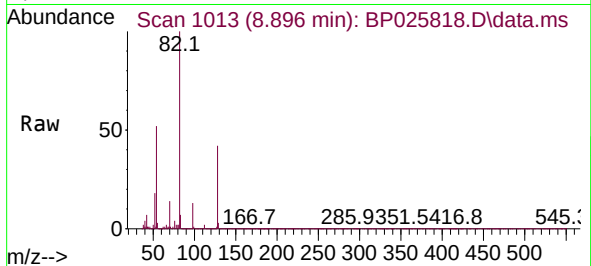




#23
Nitrobenzene-d5
Concen: 46.128 ng
RT: 8.896 min Scan# 10
Delta R.T. -0.006 min
Lab File: BP025818.D
Acq: 22 Sep 2025 18:31

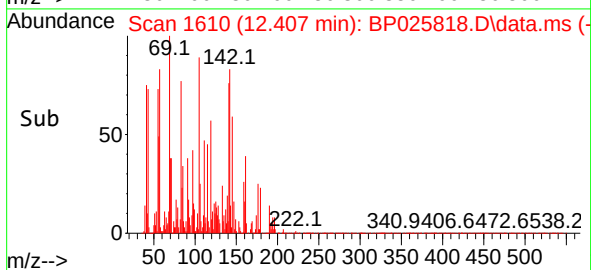
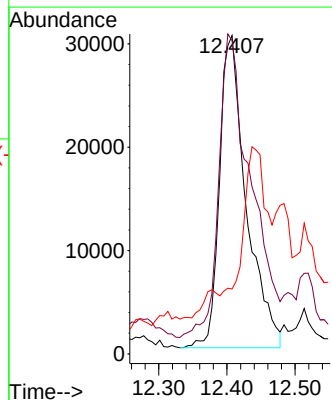
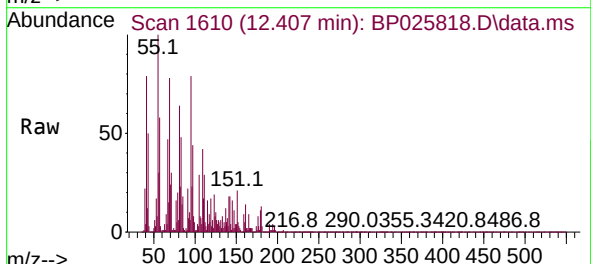
Instrument :
BNA_P
ClientSampleId :
MOO-25-0239-0241

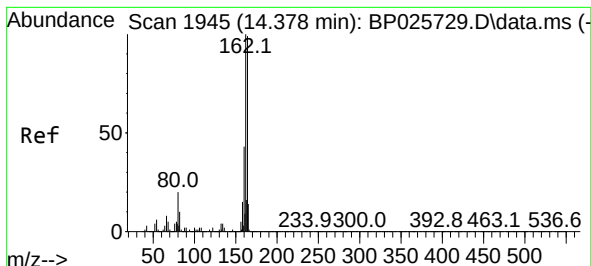
Tgt Ion: 82 Resp: 989869
Ion Ratio Lower Upper
82 100
128 42.5 32.9 49.3
54 52.0 43.4 65.2



#38
1-Methylnaphthalene
Concen: 2.350 ng
RT: 12.407 min Scan# 1610
Delta R.T. 0.006 min
Lab File: BP025818.D
Acq: 22 Sep 2025 18:31

Tgt Ion:142 Resp: 82141
Ion Ratio Lower Upper
142 100
141 98.4 72.7 109.1
116 20.4 3.5 5.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.390 min Scan# 1947

Delta R.T. 0.012 min

Lab File: BP025818.D

Acq: 22 Sep 2025 18:31

Instrument :

BNA_P

ClientSampleId :

MOO-25-0239-0241

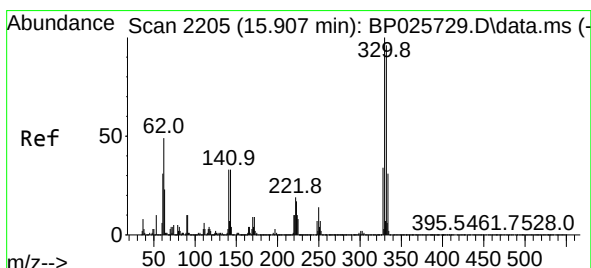
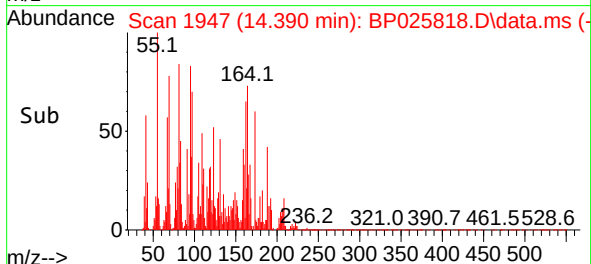
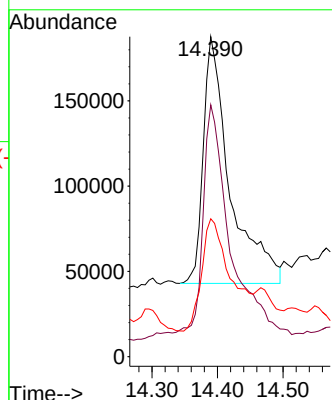
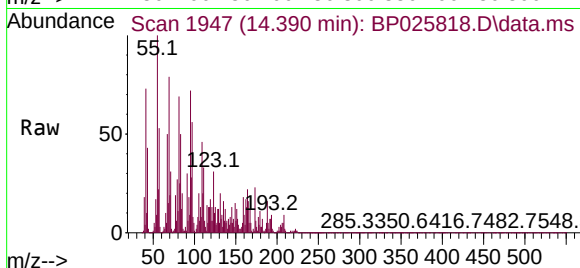
Tgt Ion:164 Resp: 408188

Ion Ratio Lower Upper

164 100

162 78.7 80.6 120.8#

160 43.1 35.0 52.6



#42

2,4,6-Tribromophenol

Concen: 78.656 ng

RT: 15.942 min Scan# 2211

Delta R.T. 0.035 min

Lab File: BP025818.D

Acq: 22 Sep 2025 18:31

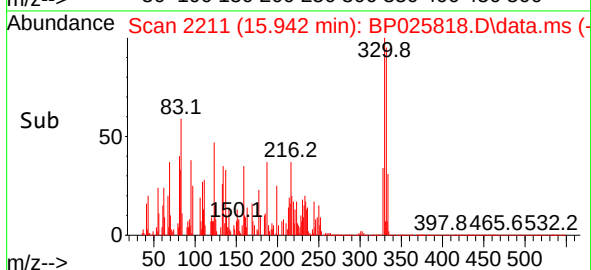
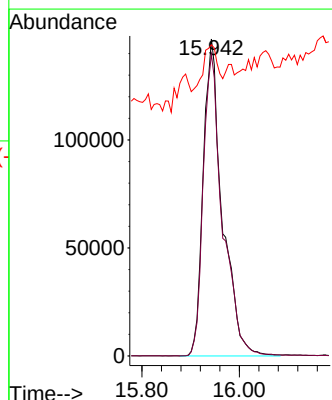
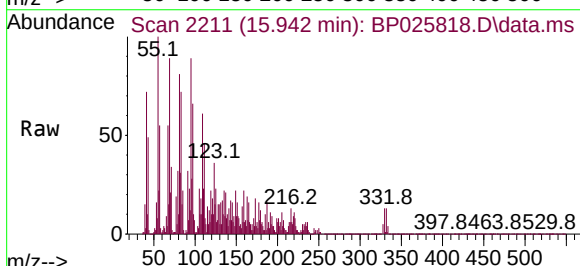
Tgt Ion:330 Resp: 400465

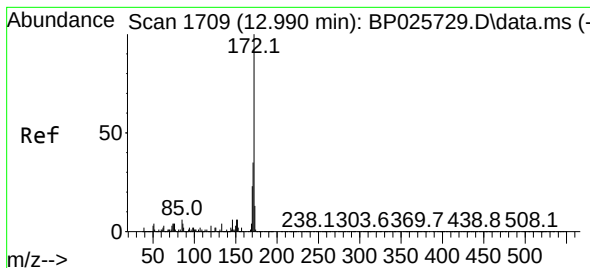
Ion Ratio Lower Upper

330 100

332 96.5 76.9 115.3

141 11.1 31.0 46.4#





#45

2-Fluorobiphenyl

Concen: 56.660 ng

RT: 12.990 min Scan# 1709

Delta R.T. 0.000 min

Lab File: BP025818.D

Acq: 22 Sep 2025 18:31

Instrument :

BNA_P

ClientSampleId :

MOO-25-0239-0241

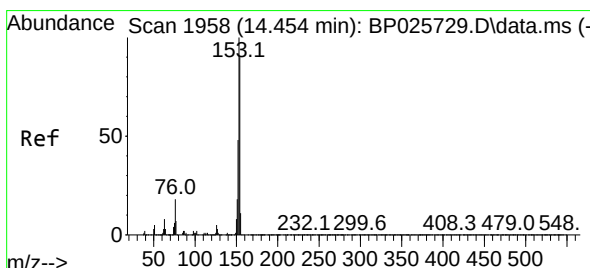
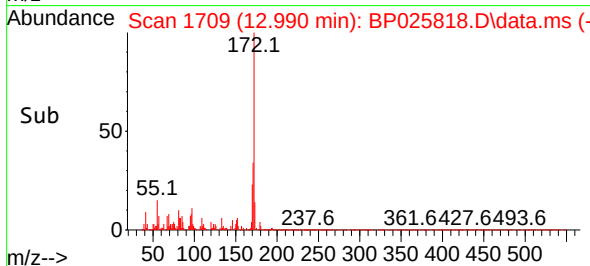
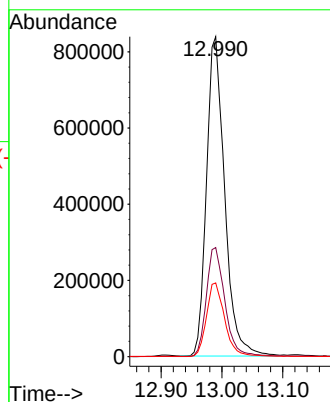
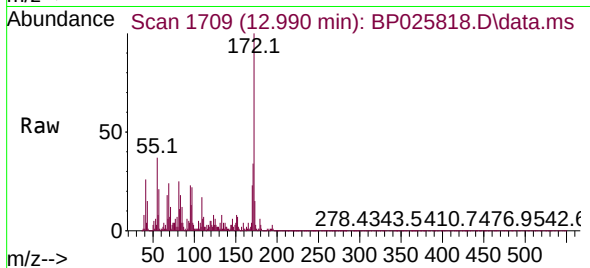
Tgt Ion:172 Resp: 1736973

Ion Ratio Lower Upper

172 100

171 34.1 27.8 41.6

170 23.0 18.6 27.8



#52

Acenaphthene

Concen: 5.273 ng

RT: 14.454 min Scan# 1958

Delta R.T. 0.000 min

Lab File: BP025818.D

Acq: 22 Sep 2025 18:31

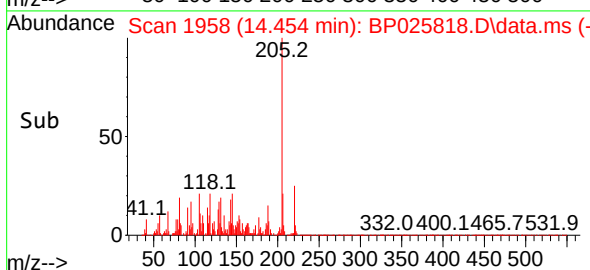
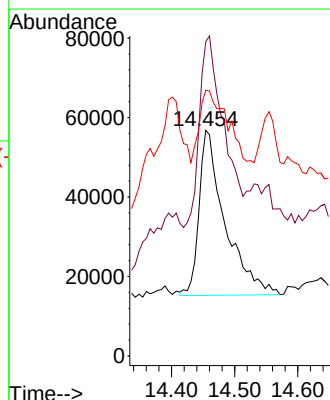
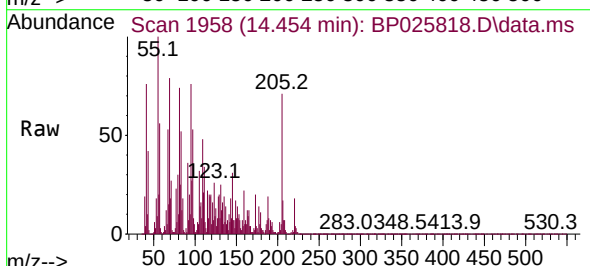
Tgt Ion:154 Resp: 118865

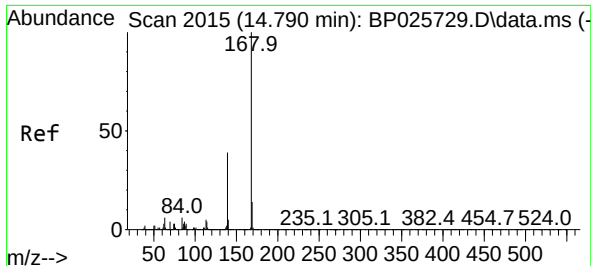
Ion Ratio Lower Upper

154 100

153 139.3 89.4 134.0#

152 117.7 42.5 63.7#

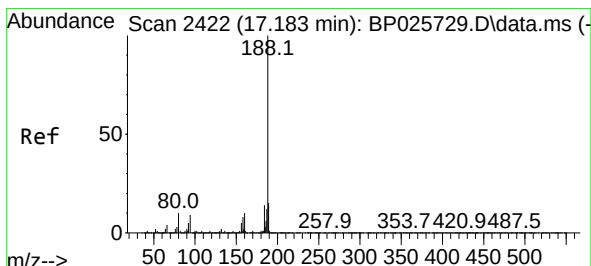
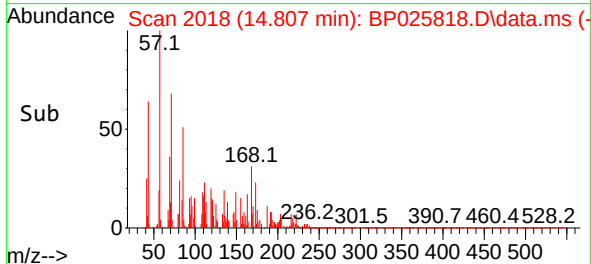
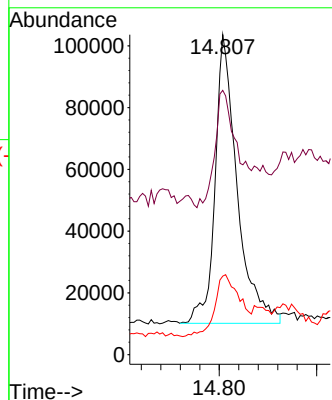
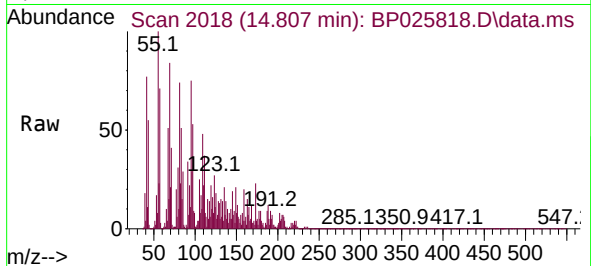




#55
Dibenzofuran
Concen: 8.016 ng
RT: 14.807 min Scan# 20
Delta R.T. 0.018 min
Lab File: BP025818.D
Acq: 22 Sep 2025 18:31

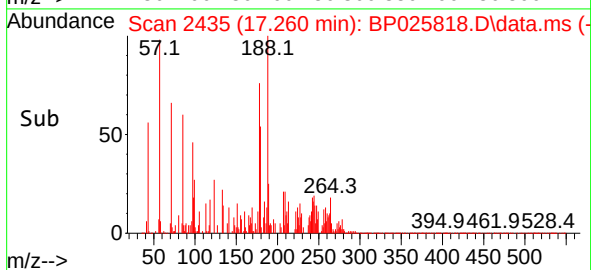
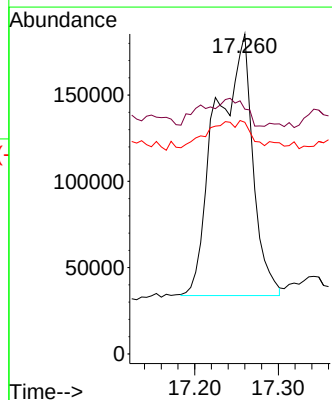
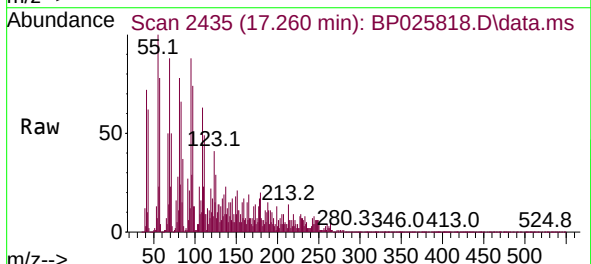
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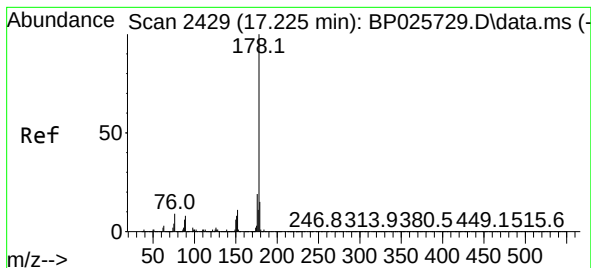
Tgt Ion:168 Resp: 294494
Ion Ratio Lower Upper
168 100
139 82.6 31.7 47.5#
169 24.5 10.8 16.2#



#64
Phenanthrene-d10
Concen: 20.000 ng m
RT: 17.260 min Scan# 2435
Delta R.T. 0.077 min
Lab File: BP025818.D
Acq: 22 Sep 2025 18:31

Tgt Ion:188 Resp: 464091
Ion Ratio Lower Upper
188 100
94 76.5 7.4 11.0#
80 72.4 7.7 11.5#





#71

Phenanthrene

Concen: 32.612 ng

RT: 17.295 min Scan# 24

Delta R.T. 0.071 min

Lab File: BP025818.D

Acq: 22 Sep 2025 18:31

Instrument :

BNA_P

ClientSampleId :

MOO-25-0239-0241

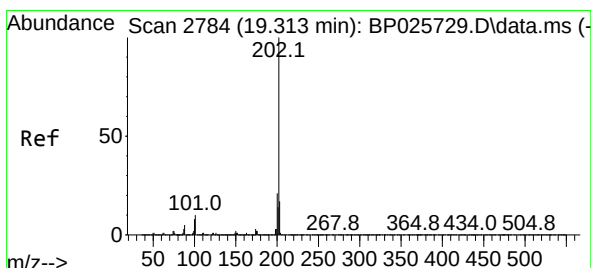
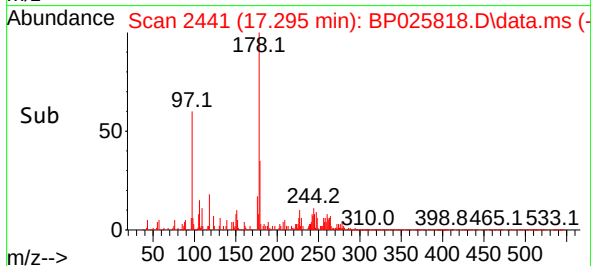
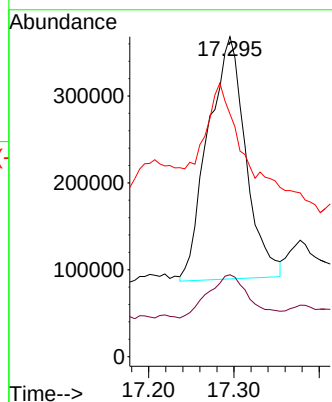
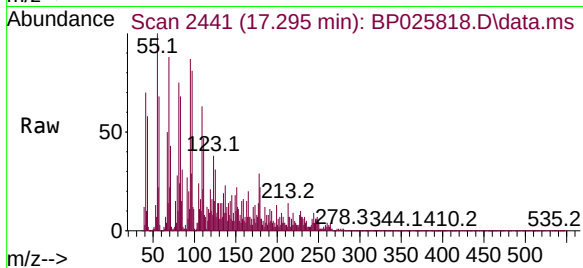
Tgt Ion:178 Resp: 858553

Ion Ratio Lower Upper

178 100

176 25.6 15.4 23.2#

179 75.8 12.2 18.4#



#75

Fluoranthene

Concen: 31.412 ng

RT: 19.378 min Scan# 2795

Delta R.T. 0.065 min

Lab File: BP025818.D

Acq: 22 Sep 2025 18:31

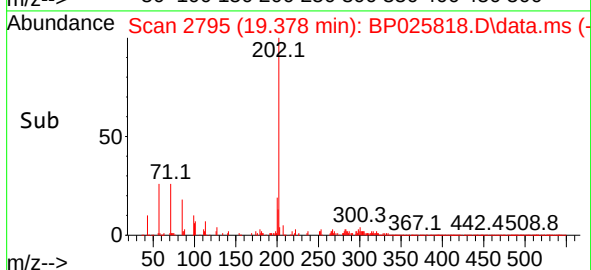
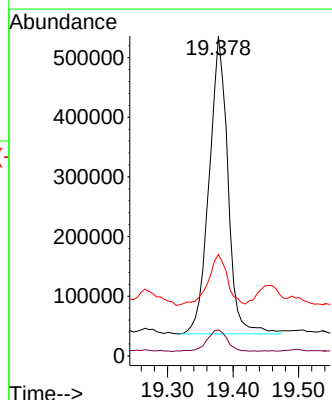
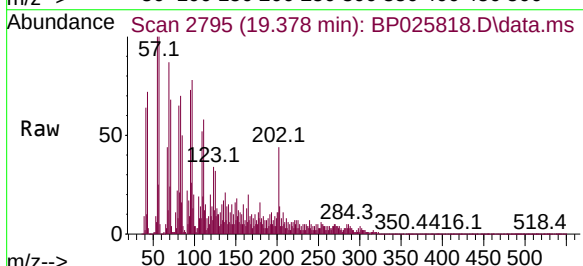
Tgt Ion:202 Resp: 991793

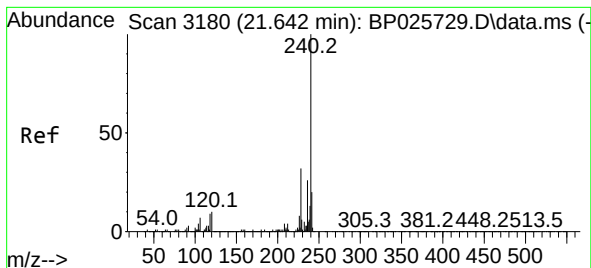
Ion Ratio Lower Upper

202 100

101 8.1 0.0 30.4

203 31.7 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.672 min Scan# 31

Delta R.T. 0.029 min

Lab File: BP025818.D

Acq: 22 Sep 2025 18:31

Instrument :

BNA_P

ClientSampleId :

MOO-25-0239-0241

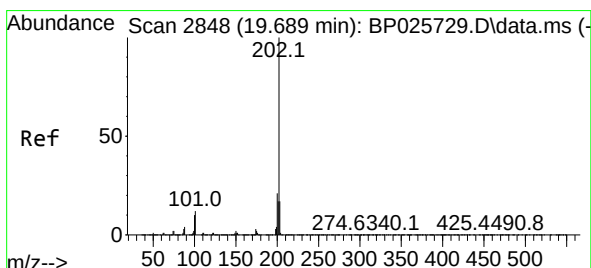
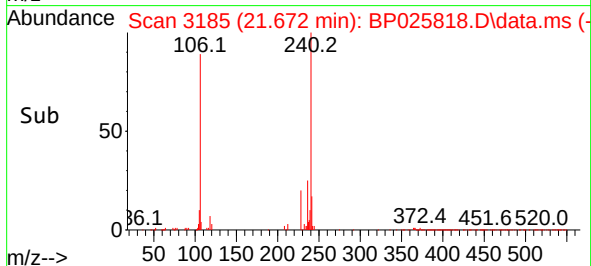
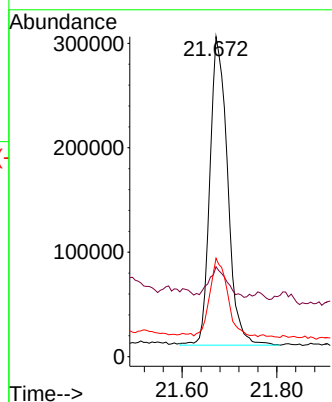
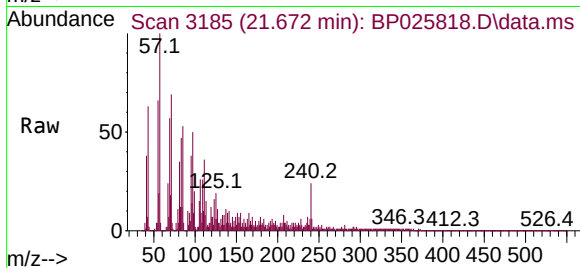
Tgt Ion:240 Resp: 765453

Ion Ratio Lower Upper

240 100

120 28.1 8.0 12.0#

236 30.7 20.7 31.1



#78

Pyrene

Concen: 15.157 ng

RT: 19.748 min Scan# 2858

Delta R.T. 0.059 min

Lab File: BP025818.D

Acq: 22 Sep 2025 18:31

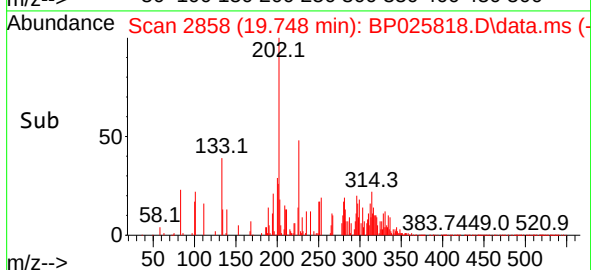
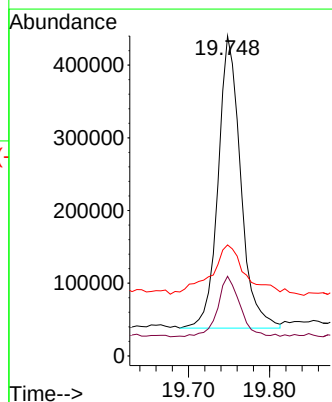
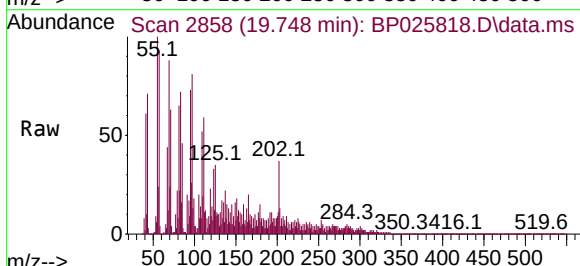
Tgt Ion:202 Resp: 774140

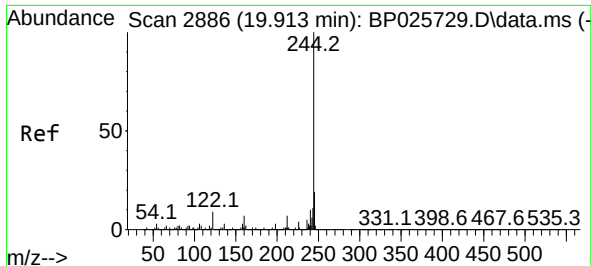
Ion Ratio Lower Upper

202 100

200 24.9 17.0 25.6

203 34.7 13.9 20.9#

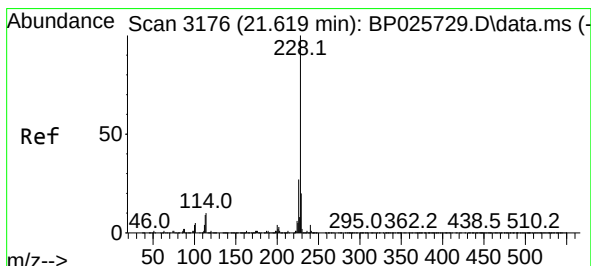
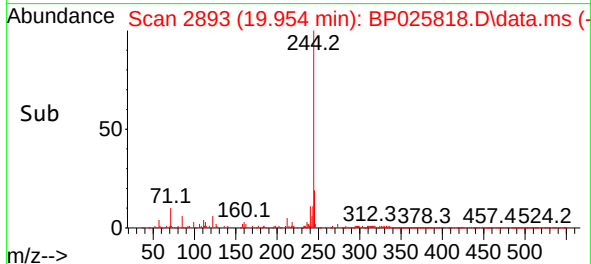
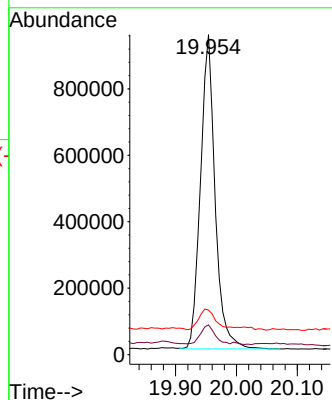
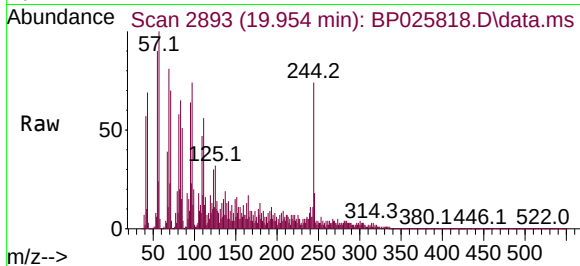




#79
 Terphenyl-d14
 Concen: 37.048 ng
 RT: 19.954 min Scan# 2886
 Delta R.T. 0.041 min
 Lab File: BP025818.D
 Acq: 22 Sep 2025 18:31

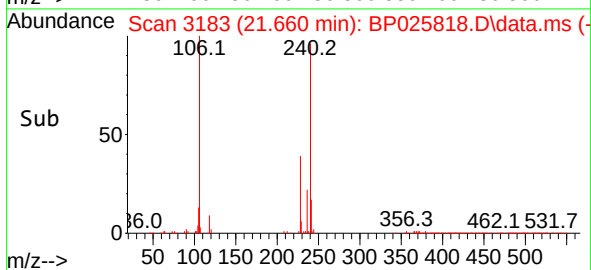
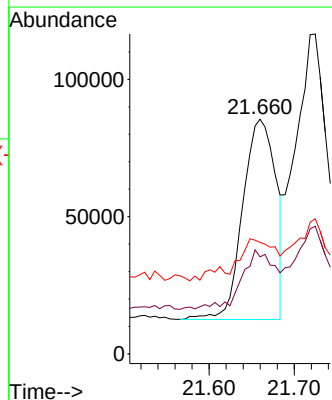
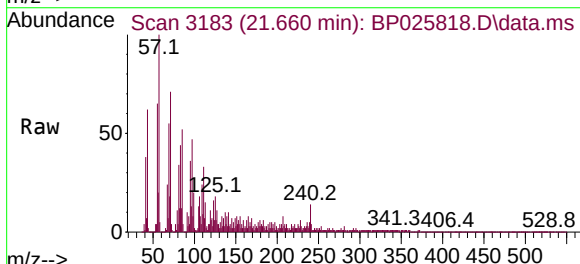
Instrument :
 BNA_P
 ClientSampleId :
 MOO-25-0239-0241

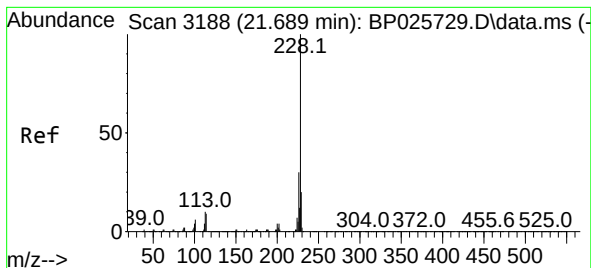
Tgt Ion:244 Resp: 1576351
 Ion Ratio Lower Upper
 244 100
 212 9.3 5.9 8.9#
 122 13.9 7.1 10.7#



#81
 Benzo(a)anthracene
 Concen: 3.763 ng
 RT: 21.660 min Scan# 3183
 Delta R.T. 0.041 min
 Lab File: BP025818.D
 Acq: 22 Sep 2025 18:31

Tgt Ion:228 Resp: 197202
 Ion Ratio Lower Upper
 228 100
 226 41.4 21.6 32.4#
 229 47.5 15.7 23.5#





#83

Chrysene

Concen: 5.582 ng

RT: 21.724 min Scan# 31

Delta R.T. 0.035 min

Lab File: BP025818.D

Acq: 22 Sep 2025 18:31

Instrument :

BNA_P

ClientSampleId :

MOO-25-0239-0241

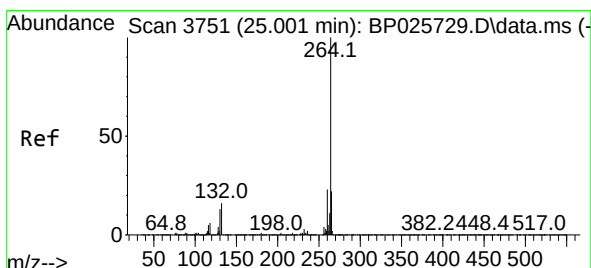
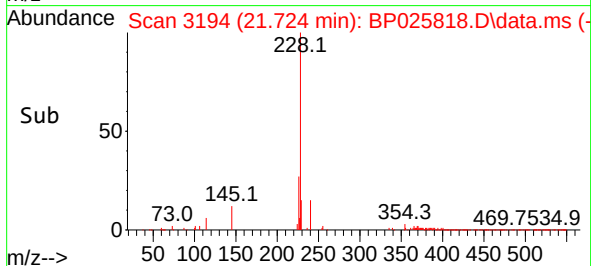
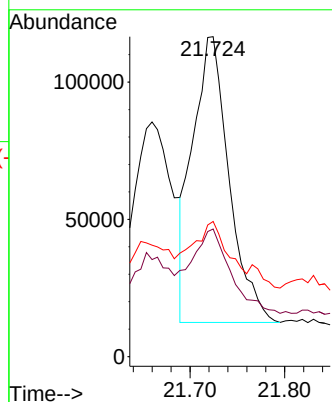
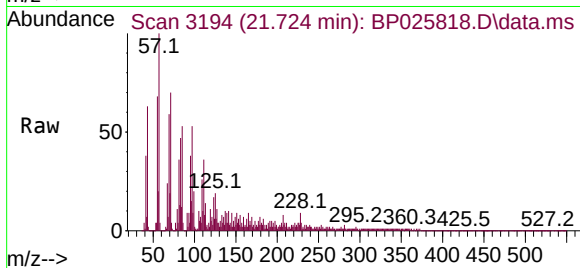
Tgt Ion:228 Resp: 278846

Ion Ratio Lower Upper

228 100

226 39.9 23.8 35.6#

229 42.2 15.6 23.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.048 min Scan# 3759

Delta R.T. 0.047 min

Lab File: BP025818.D

Acq: 22 Sep 2025 18:31

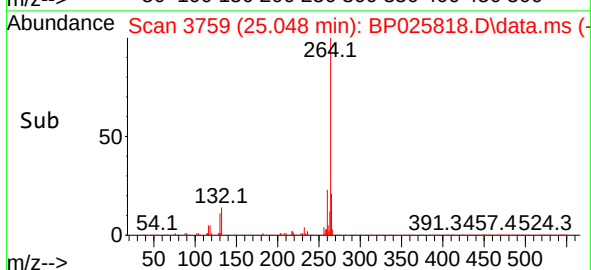
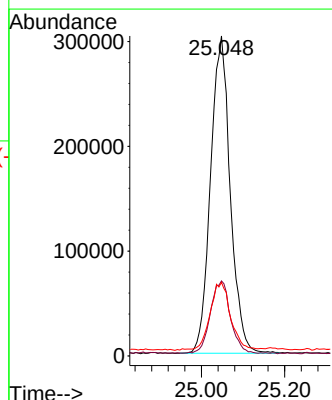
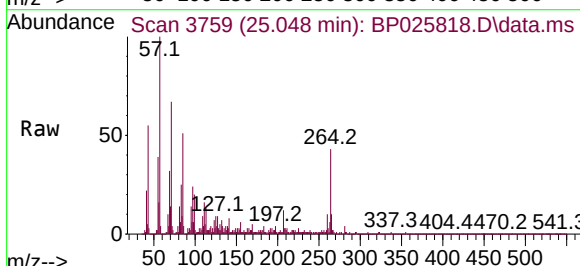
Tgt Ion:264 Resp: 997317

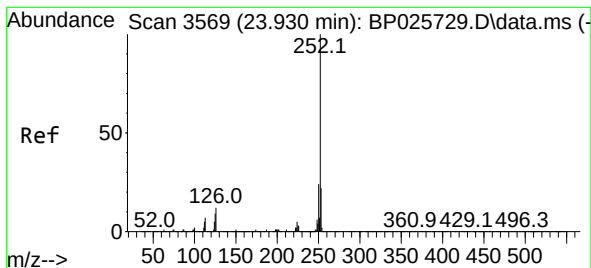
Ion Ratio Lower Upper

264 100

260 23.4 18.3 27.5

265 23.0 17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 5.012 ng m

RT: 23.983 min Scan# 3578

Delta R.T. 0.053 min

Lab File: BP025818.D

Acq: 22 Sep 2025 18:31

Instrument :

BNA_P

ClientSampleId :

MOO-25-0239-0241

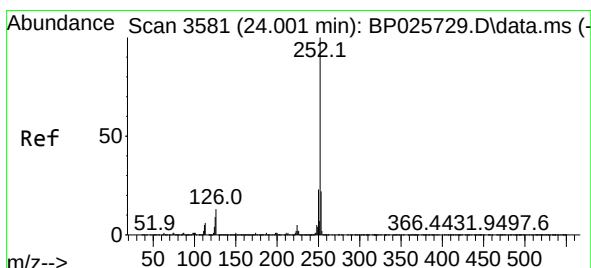
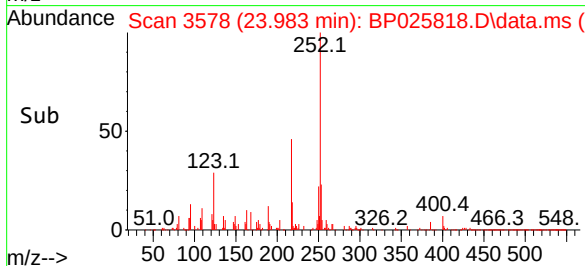
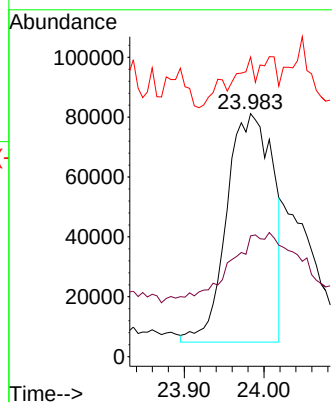
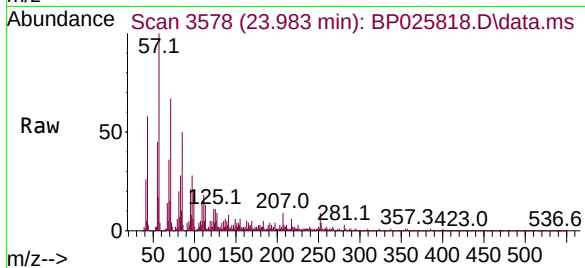
Tgt Ion:252 Resp: 305650

Ion Ratio Lower Upper

252 100

253 49.7 17.9 26.9#

125 123.3 7.3 10.9#



#89

Benzo(k)fluoranthene

Concen: 2.205 ng m

RT: 24.018 min Scan# 3584

Delta R.T. 0.018 min

Lab File: BP025818.D

Acq: 22 Sep 2025 18:31

Tgt Ion:252 Resp: 137218

Ion Ratio Lower Upper

252 100

253 70.1 17.5 26.3#

125 170.3 7.5 11.3#

