

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090525\
 Data File : BP025678.D
 Acq On : 05 Sep 2025 15:56
 Operator : CG/JU
 Sample : Q3026-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EO-02-09042025

Quant Time: Sep 05 18:58:21 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)

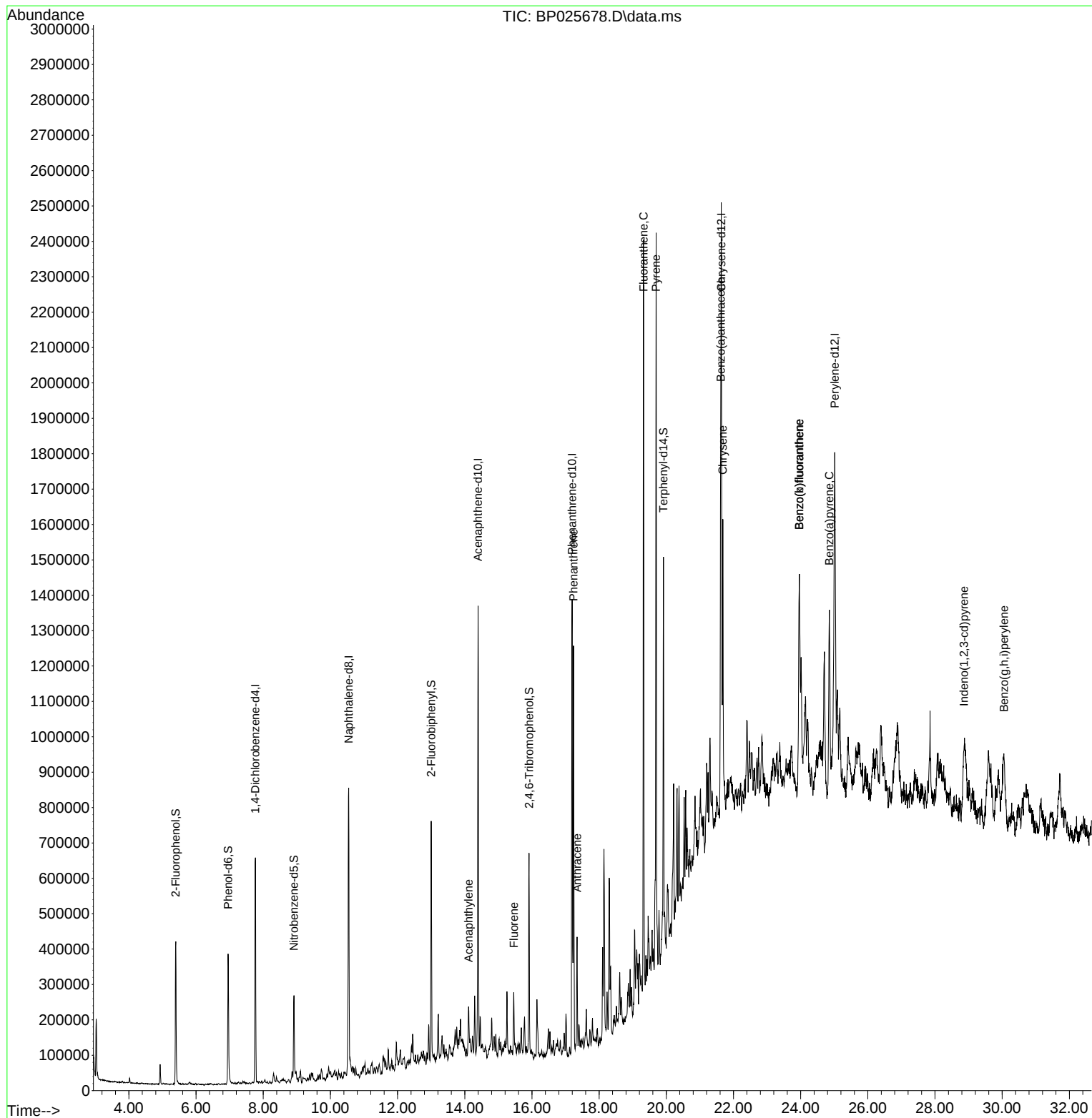
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.766	152	175894	20.000	ng	-0.03
21) Naphthalene-d8	10.543	136	693927	20.000	ng	-0.02
39) Acenaphthene-d10	14.395	164	422407	20.000	ng	-0.01
64) Phenanthrene-d10	17.195	188	800828	20.000	ng	# 0.00
76) Chrysene-d12	21.636	240	823689	20.000	ng	-0.01
86) Perylene-d12	25.013	264	958252	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.396	112	191260	18.058	ng	-0.01
7) Phenol-d6	6.955	99	233722	17.212	ng	-0.01
23) Nitrobenzene-d5	8.913	82	150458	10.968	ng	-0.02
42) 2,4,6-Tribromophenol	15.913	330	101263	17.810	ng	0.00
45) 2-Fluorobiphenyl	13.001	172	353952	11.452	ng	-0.02
79) Terphenyl-d14	19.913	244	526448	11.693	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.113	152	109201	2.763	ng	99
58) Fluorene	15.460	166	76717	2.651	ng	96
71) Phenanthrene	17.236	178	710977	16.161	ng	98
72) Anthracene	17.342	178	227195	5.057	ng	98
75) Fluoranthene	19.319	202	1223043	23.307	ng	98
78) Pyrene	19.695	202	1203344	22.477	ng	100
81) Benzo(a)anthracene	21.619	228	547833	10.085	ng	97
83) Chrysene	21.683	228	535760	10.531	ng	96
87) Indeno(1,2,3-cd)pyrene	28.859	276	347721	4.948	ng	# 90
88) Benzo(b)fluoranthene	23.960	252	657204	11.631	ng	94
89) Benzo(k)fluoranthene	23.960	252	657204	11.623	ng	93
90) Benzo(a)pyrene	24.854	252	521738	9.486	ng	95
92) Benzo(g,h,i)perylene	30.053	276	347766	6.160	ng	98

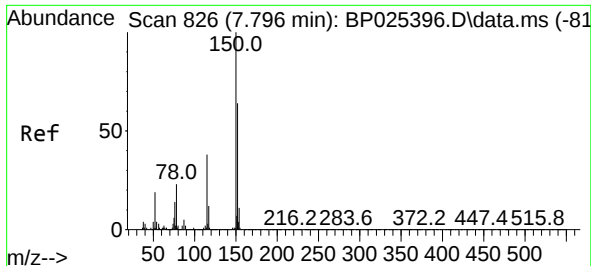
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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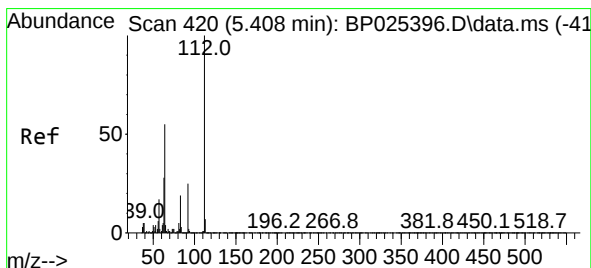
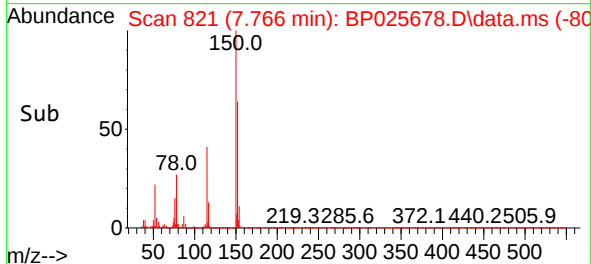
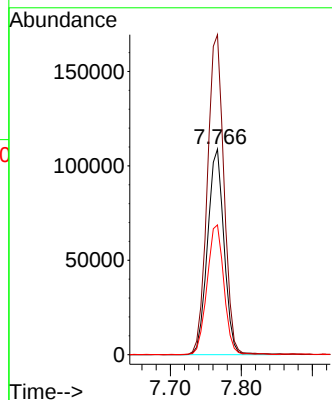
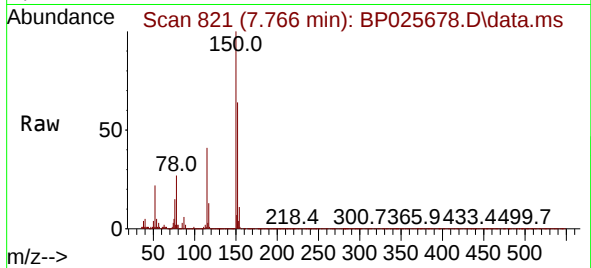




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.766 min Scan# 81
Delta R.T. -0.030 min
Lab File: BP025678.D
Acq: 05 Sep 2025 15:56

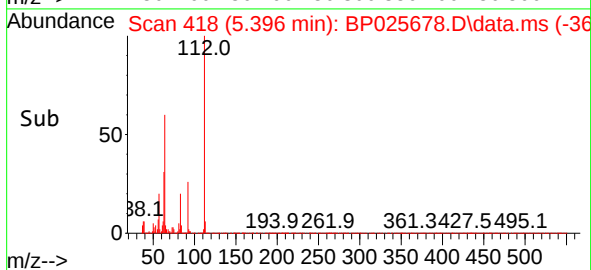
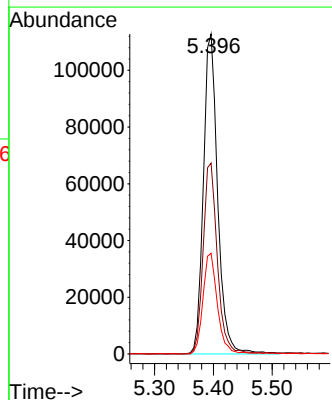
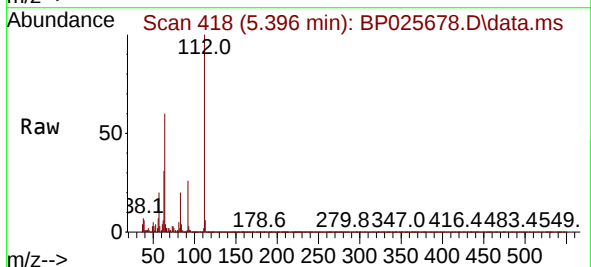
Instrument :
BNA_P
ClientSampleId :
EO-02-09042025

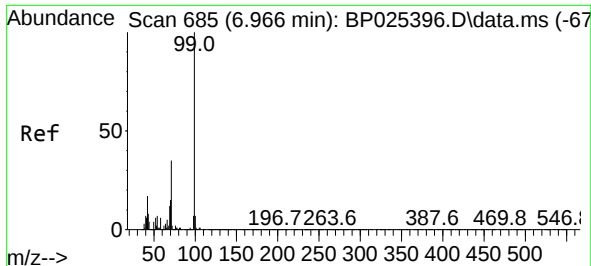
Tgt Ion:152 Resp: 175894
Ion Ratio Lower Upper
152 100
150 155.7 125.9 188.9
115 63.2 48.5 72.7



#5
2-Fluorophenol
Concen: 18.058 ng
RT: 5.396 min Scan# 418
Delta R.T. -0.012 min
Lab File: BP025678.D
Acq: 05 Sep 2025 15:56

Tgt Ion:112 Resp: 191260
Ion Ratio Lower Upper
112 100
64 59.6 43.8 65.8
63 31.5 22.7 34.1

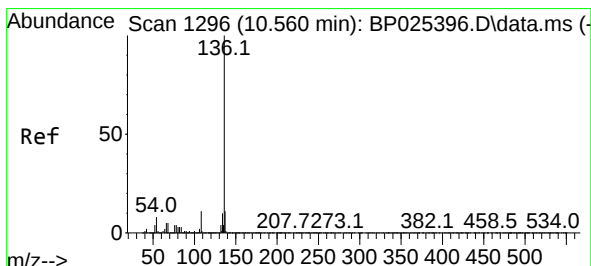
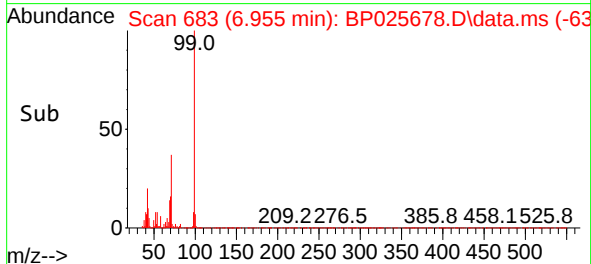
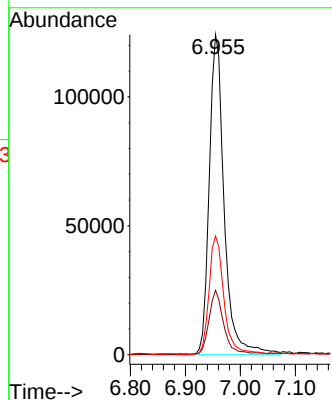
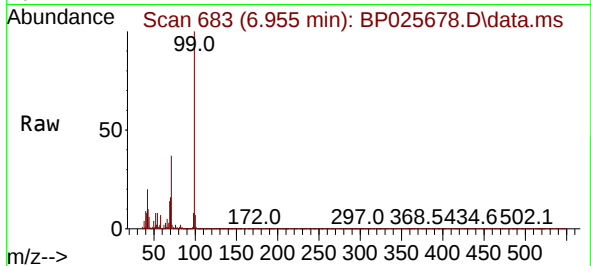




#7
Phenol-d6
Concen: 17.212 ng
RT: 6.955 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP025678.D
Acq: 05 Sep 2025 15:56

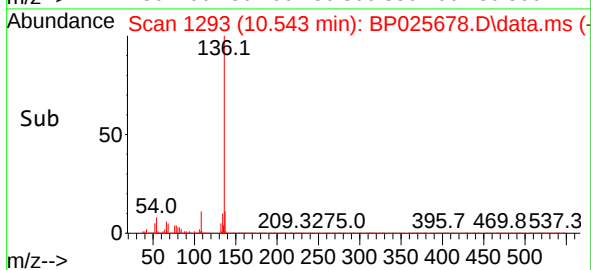
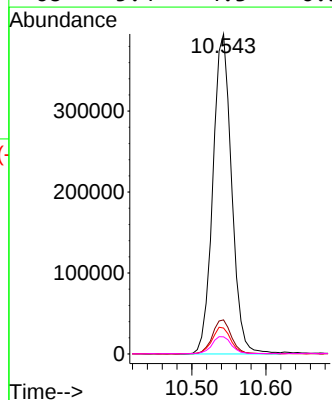
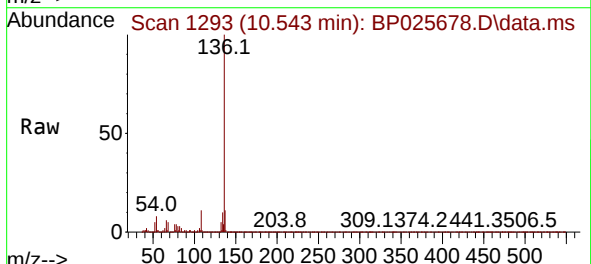
Instrument :
BNA_P
ClientSampleId :
EO-02-09042025

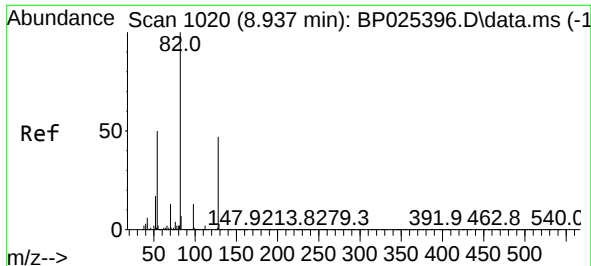
Tgt Ion: 99 Resp: 233722
Ion Ratio Lower Upper
99 100
42 20.1 13.7 20.5
71 37.1 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.543 min Scan# 1293
Delta R.T. -0.018 min
Lab File: BP025678.D
Acq: 05 Sep 2025 15:56

Tgt Ion: 136 Resp: 693927
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 8.1 6.0 9.0
68 5.4 4.3 6.5

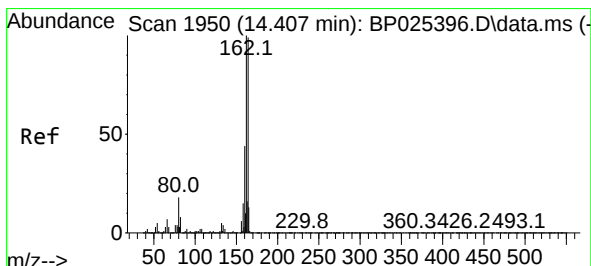
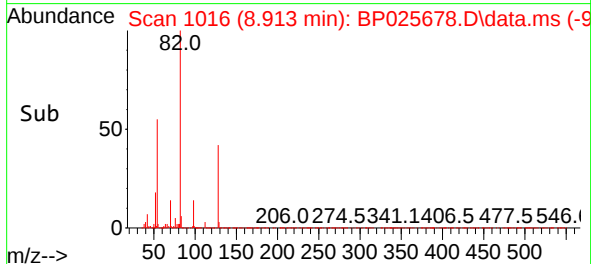
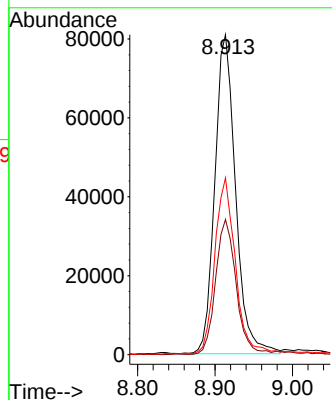
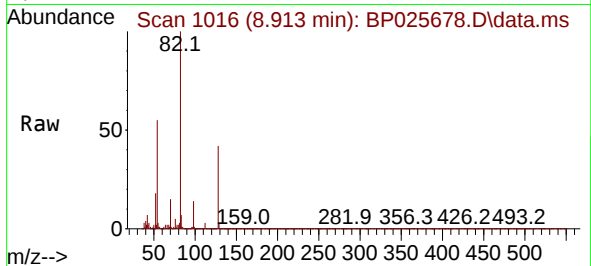




#23
Nitrobenzene-d5
Concen: 10.968 ng
RT: 8.913 min Scan# 1016
Delta R.T. -0.023 min
Lab File: BP025678.D
Acq: 05 Sep 2025 15:56

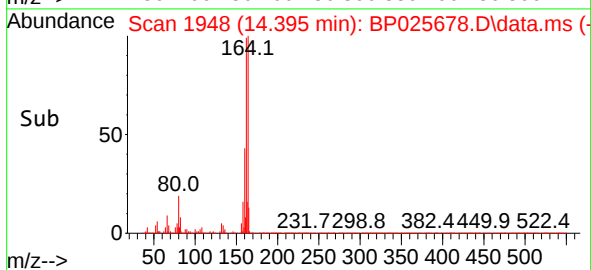
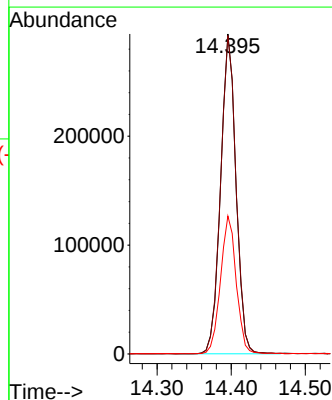
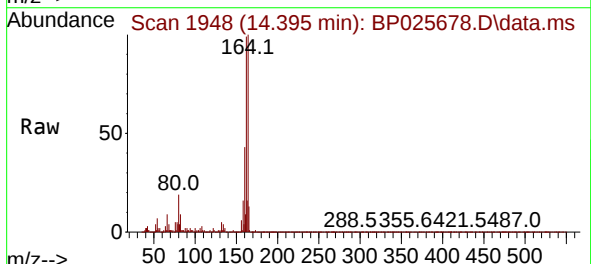
Instrument :
BNA_P
ClientSampleId :
EO-02-09042025

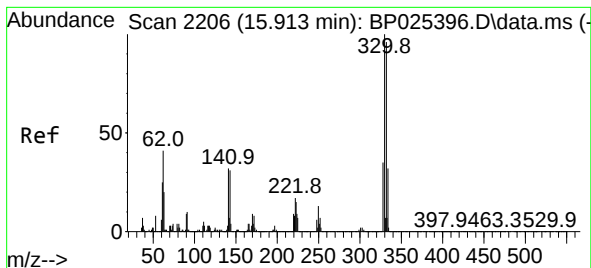
Tgt Ion: 82 Resp: 150458
Ion Ratio Lower Upper
82 100
128 42.3 37.7 56.5
54 55.2 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025678.D
Acq: 05 Sep 2025 15:56

Tgt Ion:164 Resp: 422407
Ion Ratio Lower Upper
164 100
162 99.5 81.0 121.6
160 43.1 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 17.810 ng

RT: 15.913 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025678.D

Acq: 05 Sep 2025 15:56

Instrument :

BNA_P

ClientSampleId :

EO-02-09042025

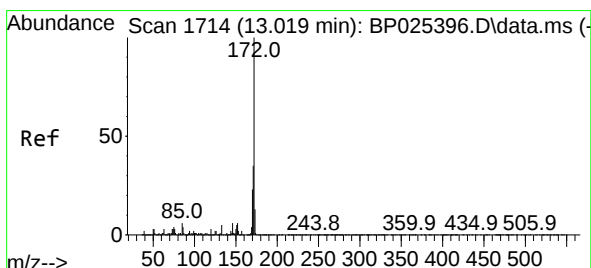
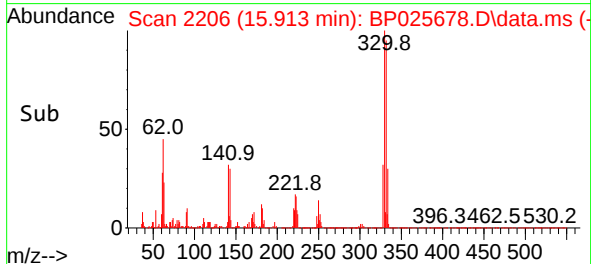
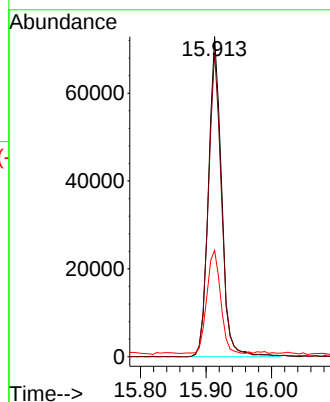
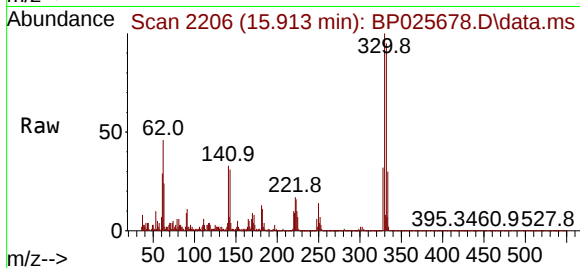
Tgt Ion:330 Resp: 101263

Ion Ratio Lower Upper

330 100

332 95.5 77.3 115.9

141 34.2 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 11.452 ng

RT: 13.001 min Scan# 1711

Delta R.T. -0.017 min

Lab File: BP025678.D

Acq: 05 Sep 2025 15:56

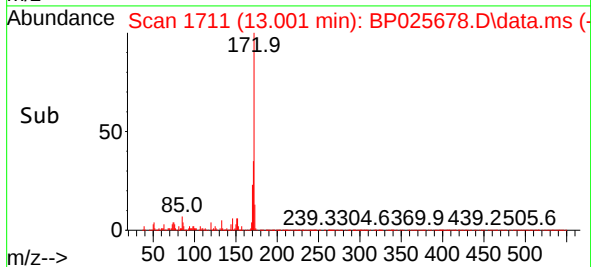
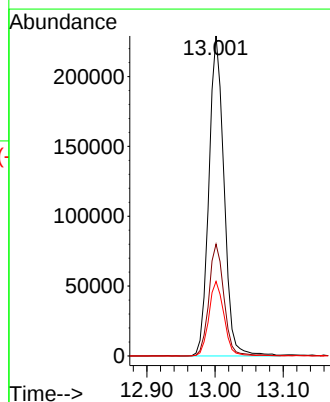
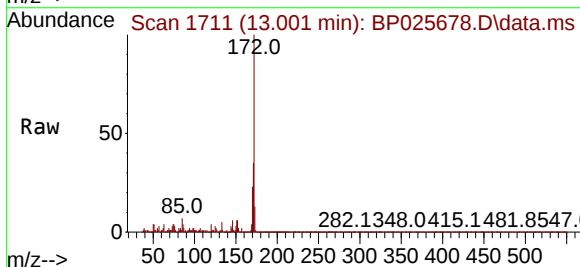
Tgt Ion:172 Resp: 353952

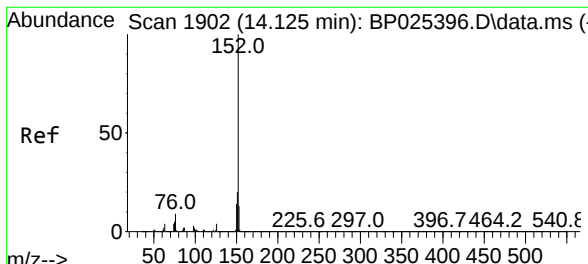
Ion Ratio Lower Upper

172 100

171 35.0 28.1 42.1

170 23.3 18.6 28.0





#49

Acenaphthylene

Concen: 2.763 ng

RT: 14.113 min Scan# 1902

Delta R.T. -0.012 min

Lab File: BP025678.D

Acq: 05 Sep 2025 15:56

Instrument :

BNA_P

ClientSampleId :

EO-02-09042025

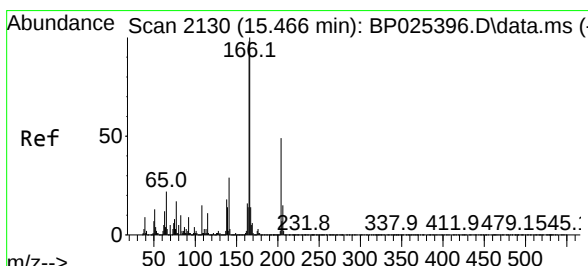
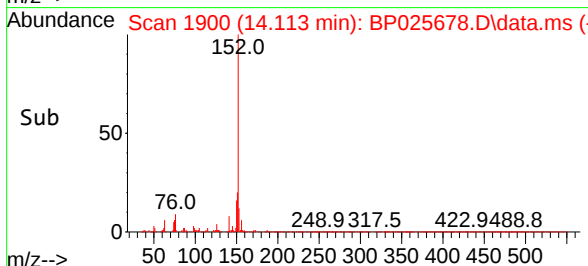
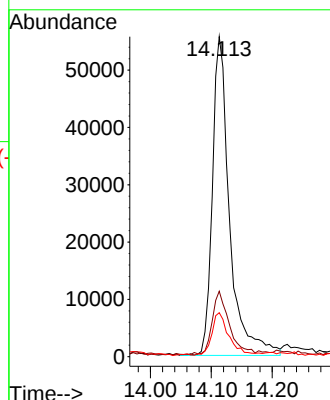
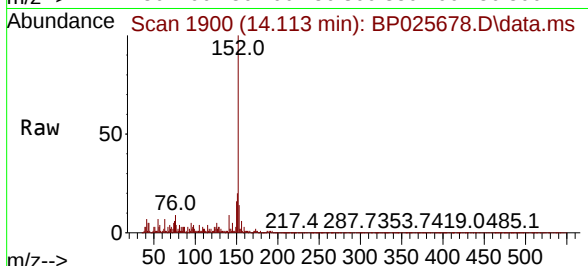
Tgt Ion:152 Resp: 109201

Ion Ratio Lower Upper

152 100

151 20.5 16.0 24.0

153 13.7 10.6 15.8



#58

Fluorene

Concen: 2.651 ng

RT: 15.460 min Scan# 2129

Delta R.T. -0.006 min

Lab File: BP025678.D

Acq: 05 Sep 2025 15:56

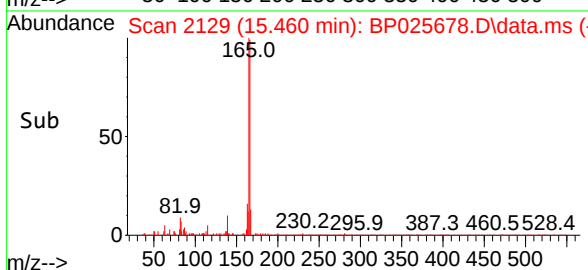
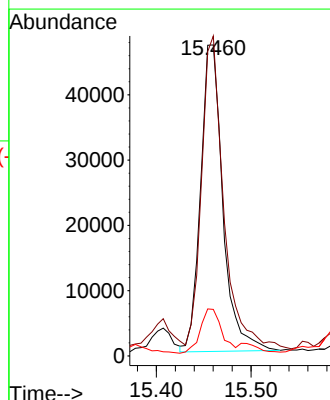
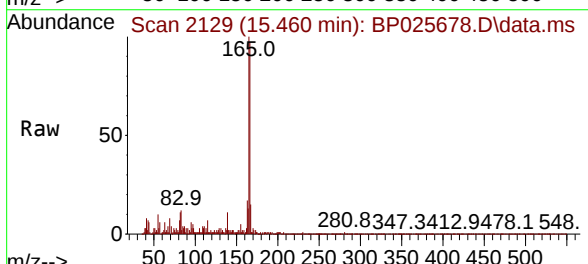
Tgt Ion:166 Resp: 76717

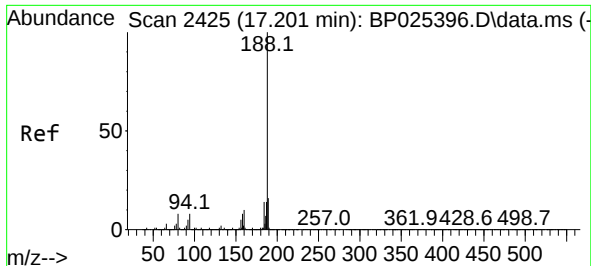
Ion Ratio Lower Upper

166 100

165 102.9 78.8 118.2

167 15.0 11.0 16.4

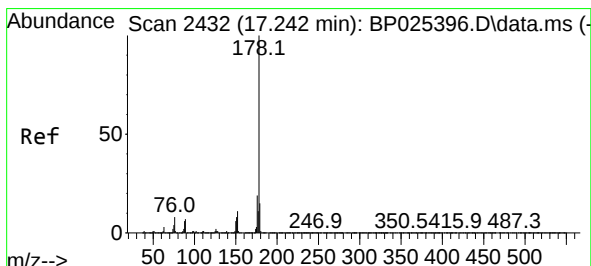
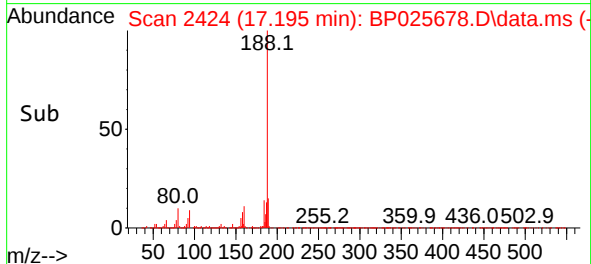
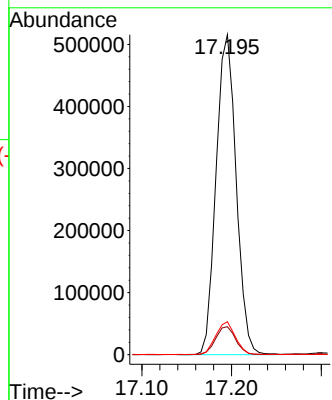
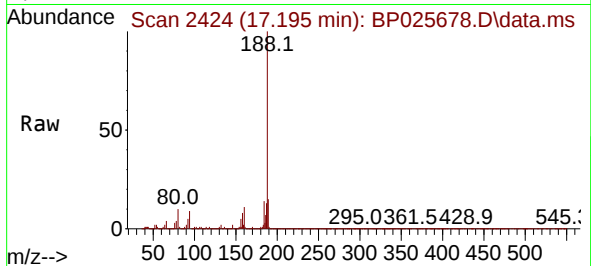




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP025678.D
Acq: 05 Sep 2025 15:56

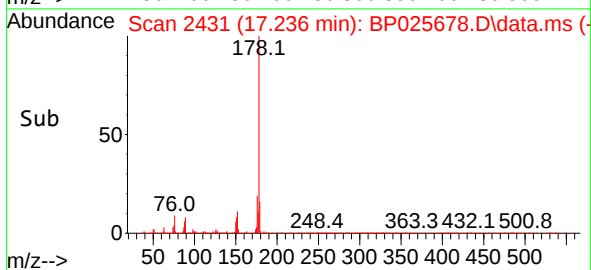
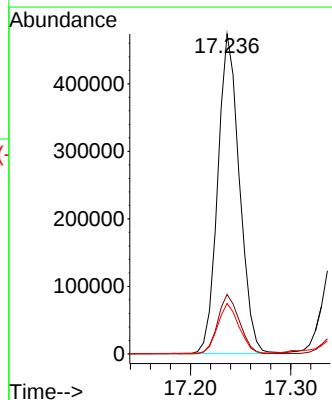
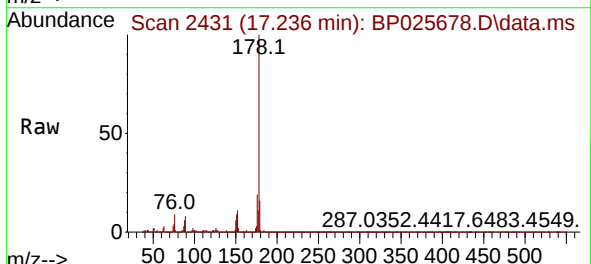
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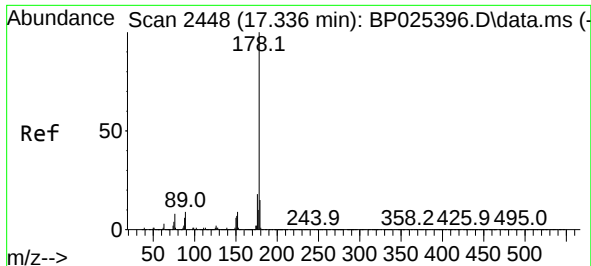
Tgt Ion:188 Resp: 800828
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 10.3 6.7 10.1#



#71
Phenanthrene
Concen: 16.161 ng
RT: 17.236 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BP025678.D
Acq: 05 Sep 2025 15:56

Tgt Ion:178 Resp: 710977
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.8 12.2 18.4

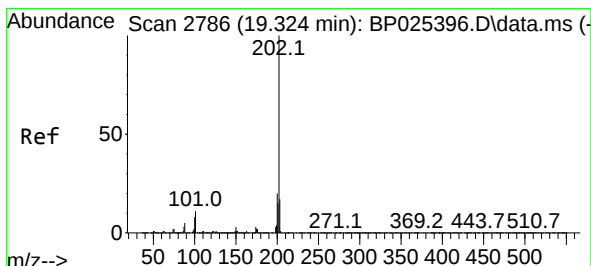
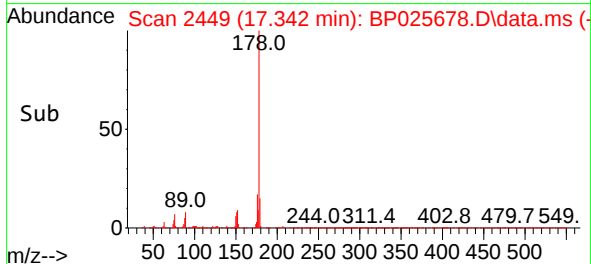
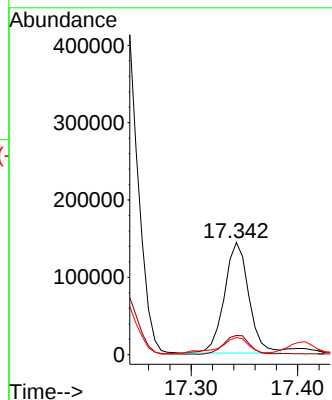
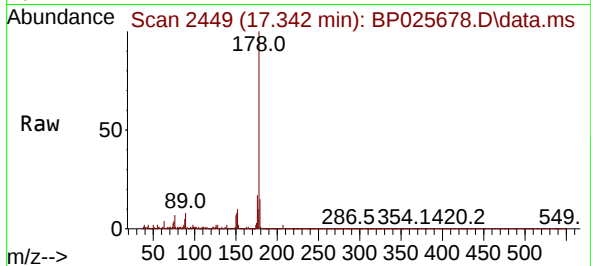




#72
 Anthracene
 Concen: 5.057 ng
 RT: 17.342 min Scan# 2448
 Delta R.T. 0.006 min
 Lab File: BP025678.D
 Acq: 05 Sep 2025 15:56

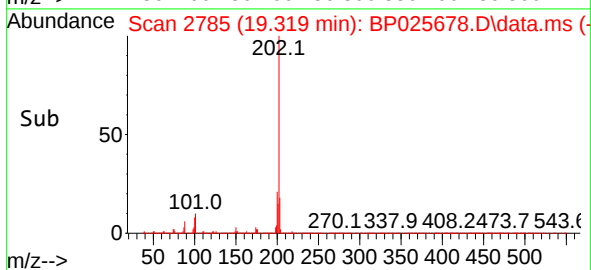
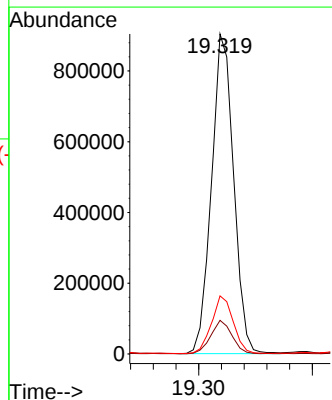
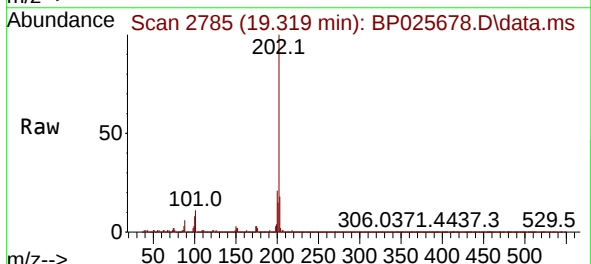
Instrument :
 BNA_P
 ClientSampleId :
 EO-02-09042025

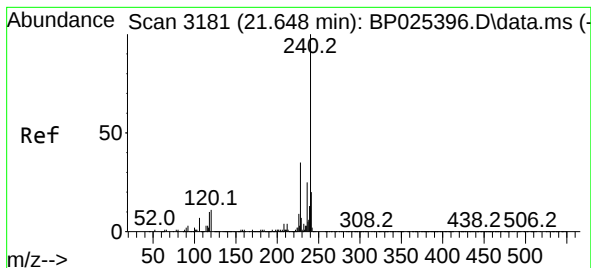
Tgt Ion:178 Resp: 227195
 Ion Ratio Lower Upper
 178 100
 176 17.1 14.7 22.1
 179 15.3 12.2 18.2



#75
 Fluoranthene
 Concen: 23.307 ng
 RT: 19.319 min Scan# 2785
 Delta R.T. -0.006 min
 Lab File: BP025678.D
 Acq: 05 Sep 2025 15:56

Tgt Ion:202 Resp: 1223043
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 31.1
 203 18.1 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.636 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025678.D

Acq: 05 Sep 2025 15:56

Instrument :

BNA_P

ClientSampleId :

EO-02-09042025

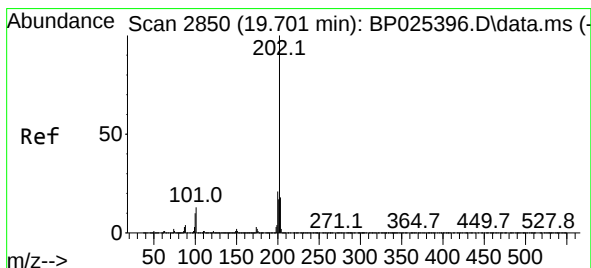
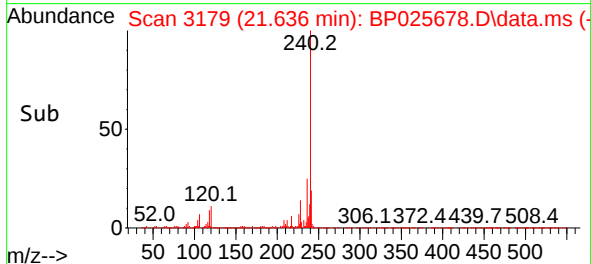
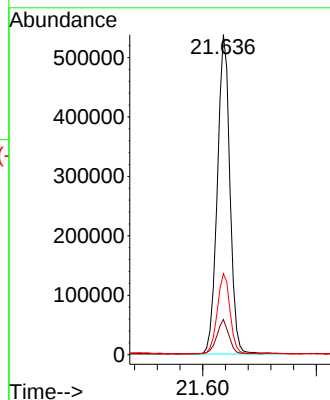
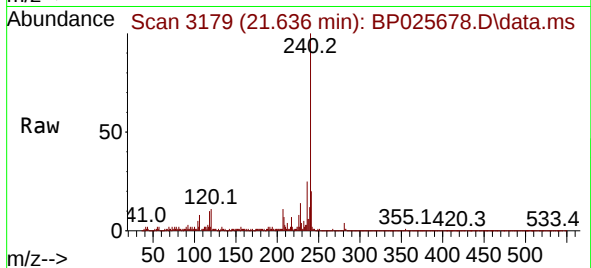
Tgt Ion:240 Resp: 823689

Ion Ratio Lower Upper

240 100

120 11.0 8.9 13.3

236 25.3 19.8 29.8



#78

Pyrene

Concen: 22.477 ng

RT: 19.695 min Scan# 2849

Delta R.T. -0.006 min

Lab File: BP025678.D

Acq: 05 Sep 2025 15:56

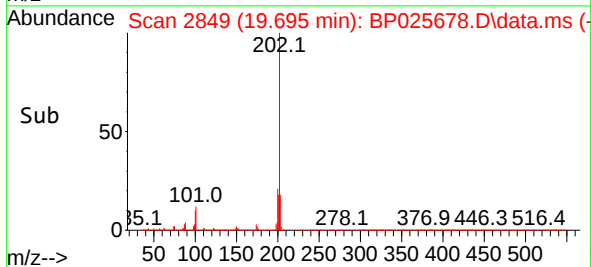
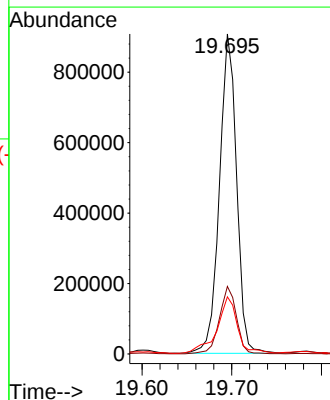
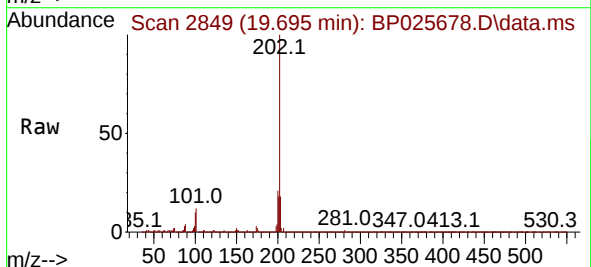
Tgt Ion:202 Resp: 1203344

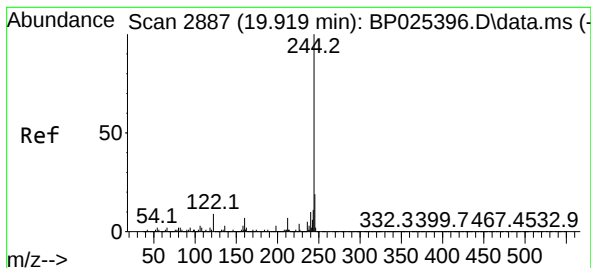
Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 17.8 14.2 21.2





#79

Terphenyl-d14

Concen: 11.693 ng

RT: 19.913 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025678.D

Acq: 05 Sep 2025 15:56

Instrument :

BNA_P

ClientSampleId :

EO-02-09042025

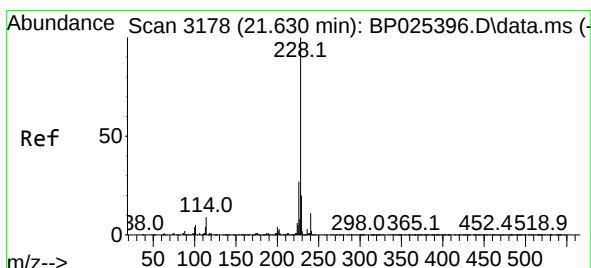
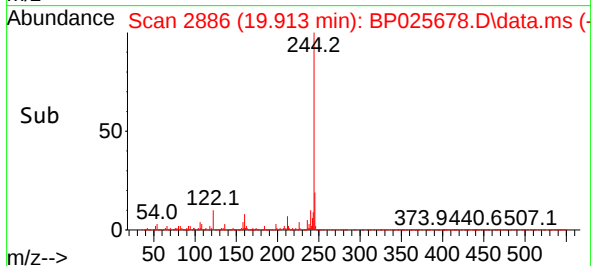
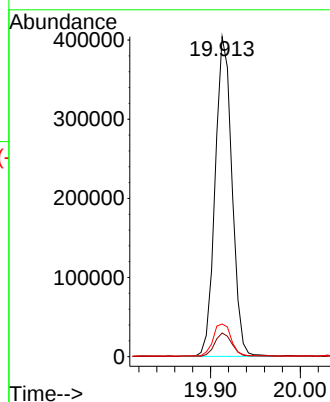
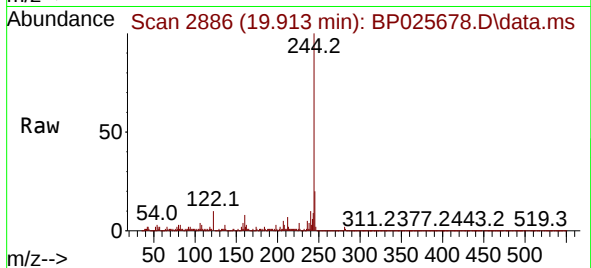
Tgt Ion:244 Resp: 526448

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 10.2 7.4 11.2



#81

Benzo(a)anthracene

Concen: 10.085 ng

RT: 21.619 min Scan# 3176

Delta R.T. -0.012 min

Lab File: BP025678.D

Acq: 05 Sep 2025 15:56

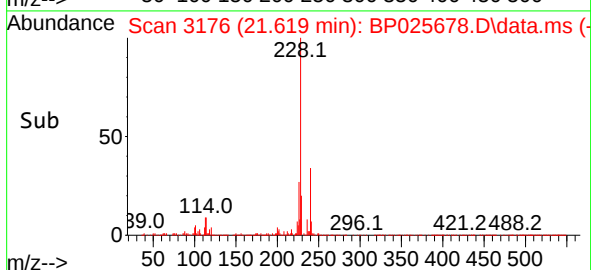
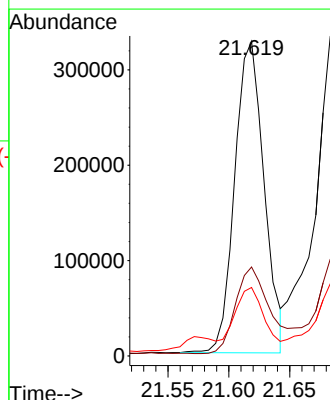
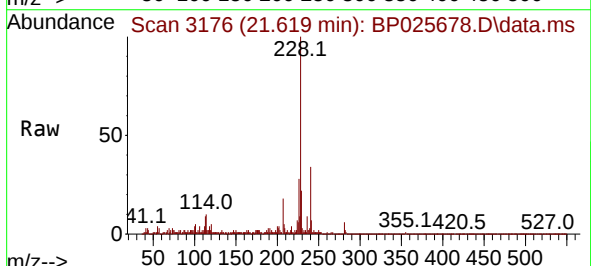
Tgt Ion:228 Resp: 547833

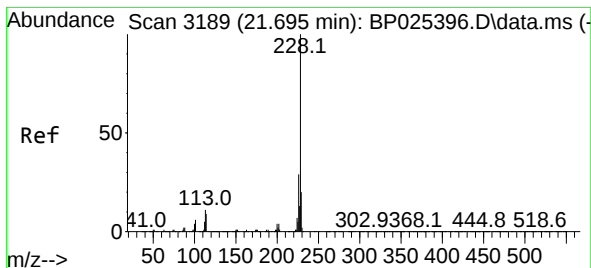
Ion Ratio Lower Upper

228 100

226 28.3 21.7 32.5

229 21.8 15.6 23.4





#83

Chrysene

Concen: 10.531 ng

RT: 21.683 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025678.D

Acq: 05 Sep 2025 15:56

Instrument :

BNA_P

ClientSampleId :

EO-02-09042025

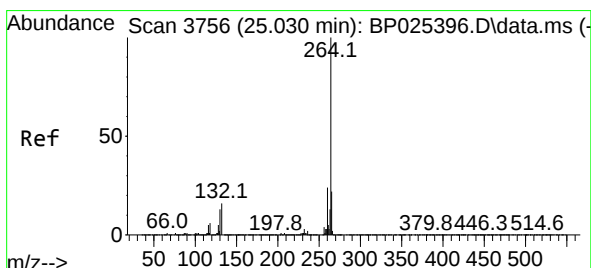
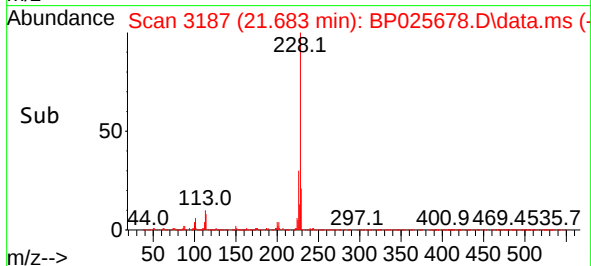
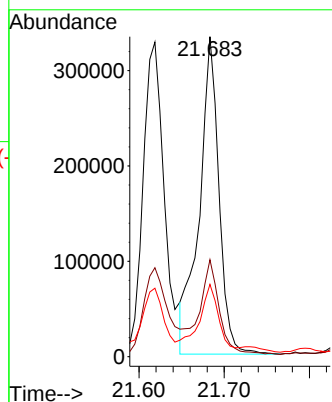
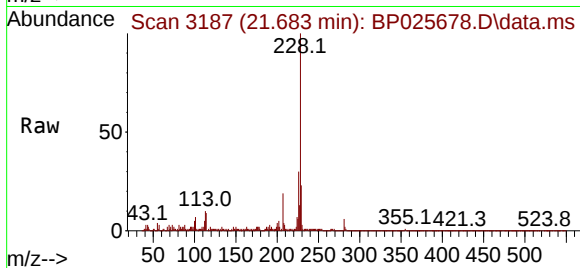
Tgt Ion:228 Resp: 535760

Ion Ratio Lower Upper

228 100

226 30.3 23.2 34.8

229 22.6 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.013 min Scan# 3753

Delta R.T. -0.018 min

Lab File: BP025678.D

Acq: 05 Sep 2025 15:56

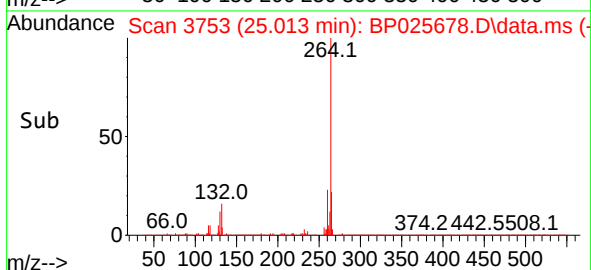
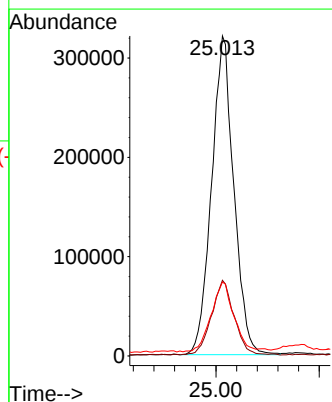
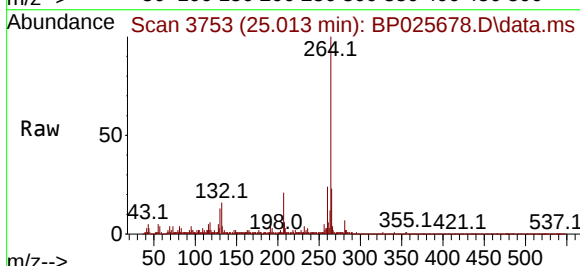
Tgt Ion:264 Resp: 958252

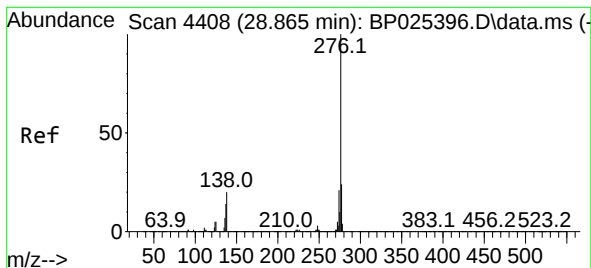
Ion Ratio Lower Upper

264 100

260 23.7 19.3 28.9

265 23.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.948 ng

RT: 28.859 min Scan# 4408

Delta R.T. -0.006 min

Lab File: BP025678.D

Acq: 05 Sep 2025 15:56

Instrument :

BNA_P

ClientSampleId :

EO-02-09042025

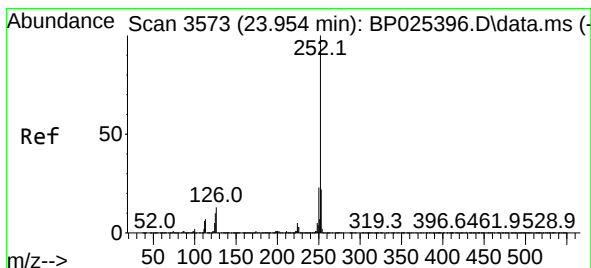
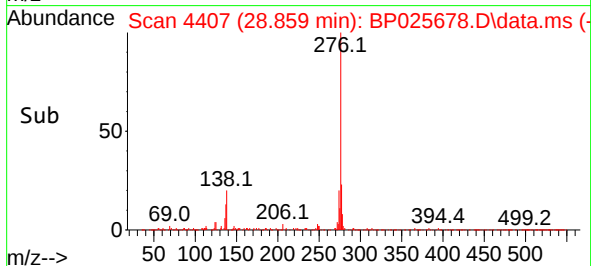
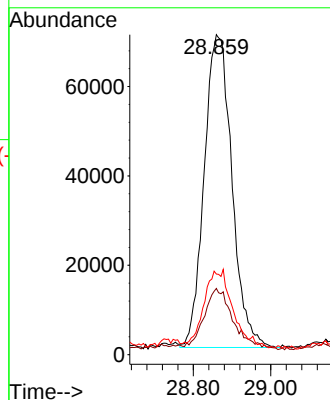
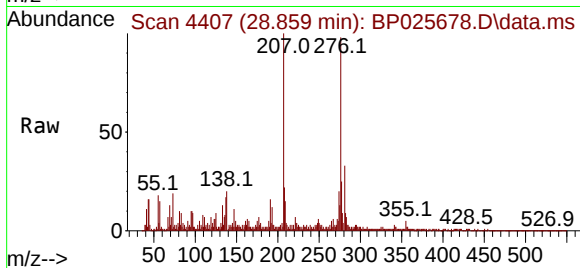
Tgt Ion:276 Resp: 347721

Ion Ratio Lower Upper

276 100

138 20.8 12.9 19.3#

277 26.0 17.0 25.6#



#88

Benzo(b)fluoranthene

Concen: 11.631 ng

RT: 23.960 min Scan# 3574

Delta R.T. 0.006 min

Lab File: BP025678.D

Acq: 05 Sep 2025 15:56

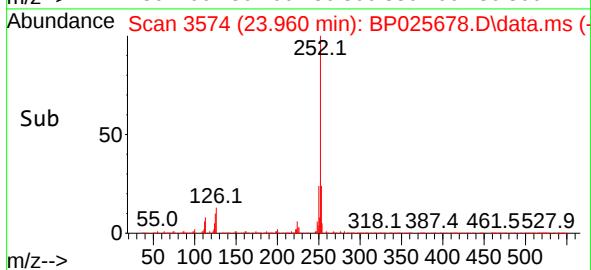
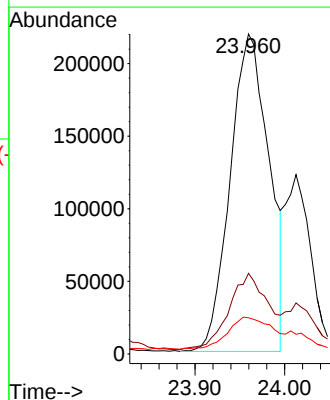
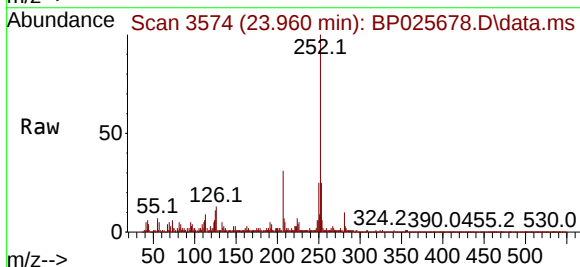
Tgt Ion:252 Resp: 657204

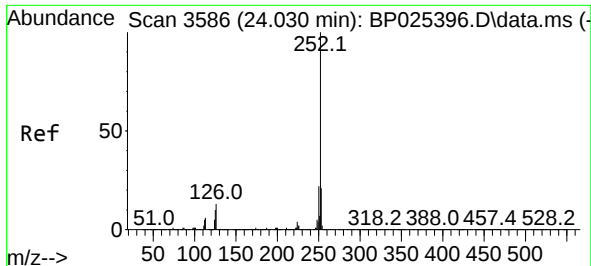
Ion Ratio Lower Upper

252 100

253 25.2 17.7 26.5

125 11.3 7.9 11.9

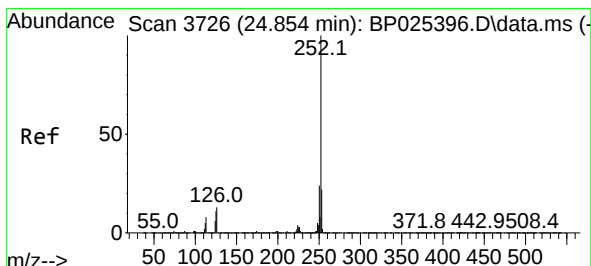
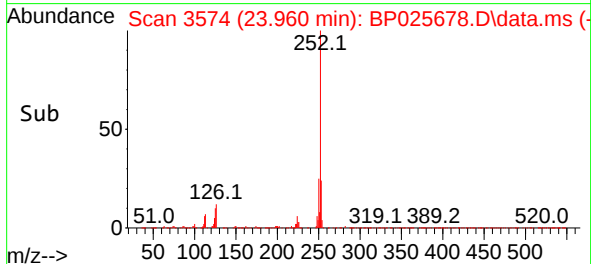
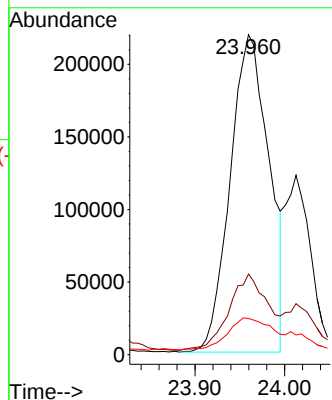
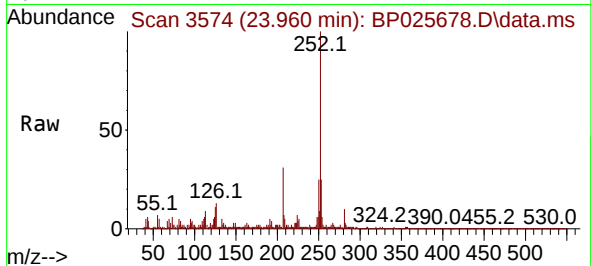




#89
Benzo(k)fluoranthene
Concen: 11.623 ng
RT: 23.960 min Scan# 31
Delta R.T. -0.070 min
Lab File: BP025678.D
Acq: 05 Sep 2025 15:56

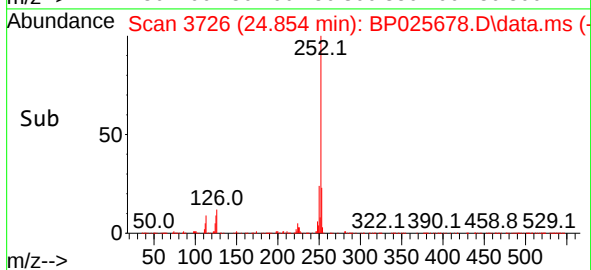
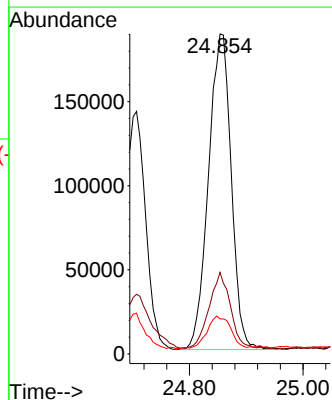
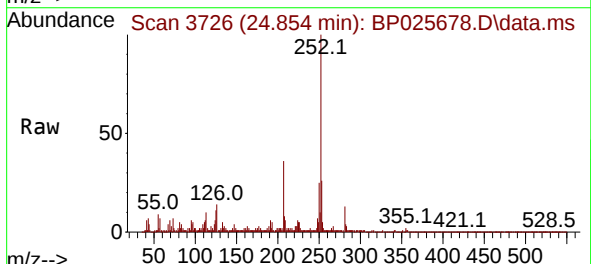
Instrument :
BNA_P
ClientSampleId :
EO-02-09042025

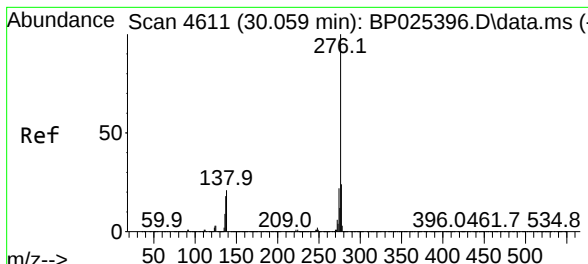
Tgt Ion:252 Resp: 657204
Ion Ratio Lower Upper
252 100
253 25.2 17.1 25.7
125 11.3 7.8 11.6



#90
Benzo(a)pyrene
Concen: 9.486 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025678.D
Acq: 05 Sep 2025 15:56

Tgt Ion:252 Resp: 521738
Ion Ratio Lower Upper
252 100
253 25.5 17.5 26.3
125 11.0 8.7 13.1





#92
 Benzo(g,h,i)perylene
 Concen: 6.160 ng
 RT: 30.053 min Scan# 4
 Delta R.T. -0.006 min
 Lab File: BP025678.D
 Acq: 05 Sep 2025 15:56

Instrument :
 BNA_P
 ClientSampleId :
 EO-02-09042025

Tgt Ion:276 Resp: 347766

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.4	29.0
138	20.3	16.7	25.1

