

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100925\
 Data File : BP025967.D
 Acq On : 09 Oct 2025 16:27
 Operator : RC/JU
 Sample : Q3313-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ETGI-360

Quant Time: Oct 09 17:00:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 08 16:22:13 2025
 Response via : Initial Calibration

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

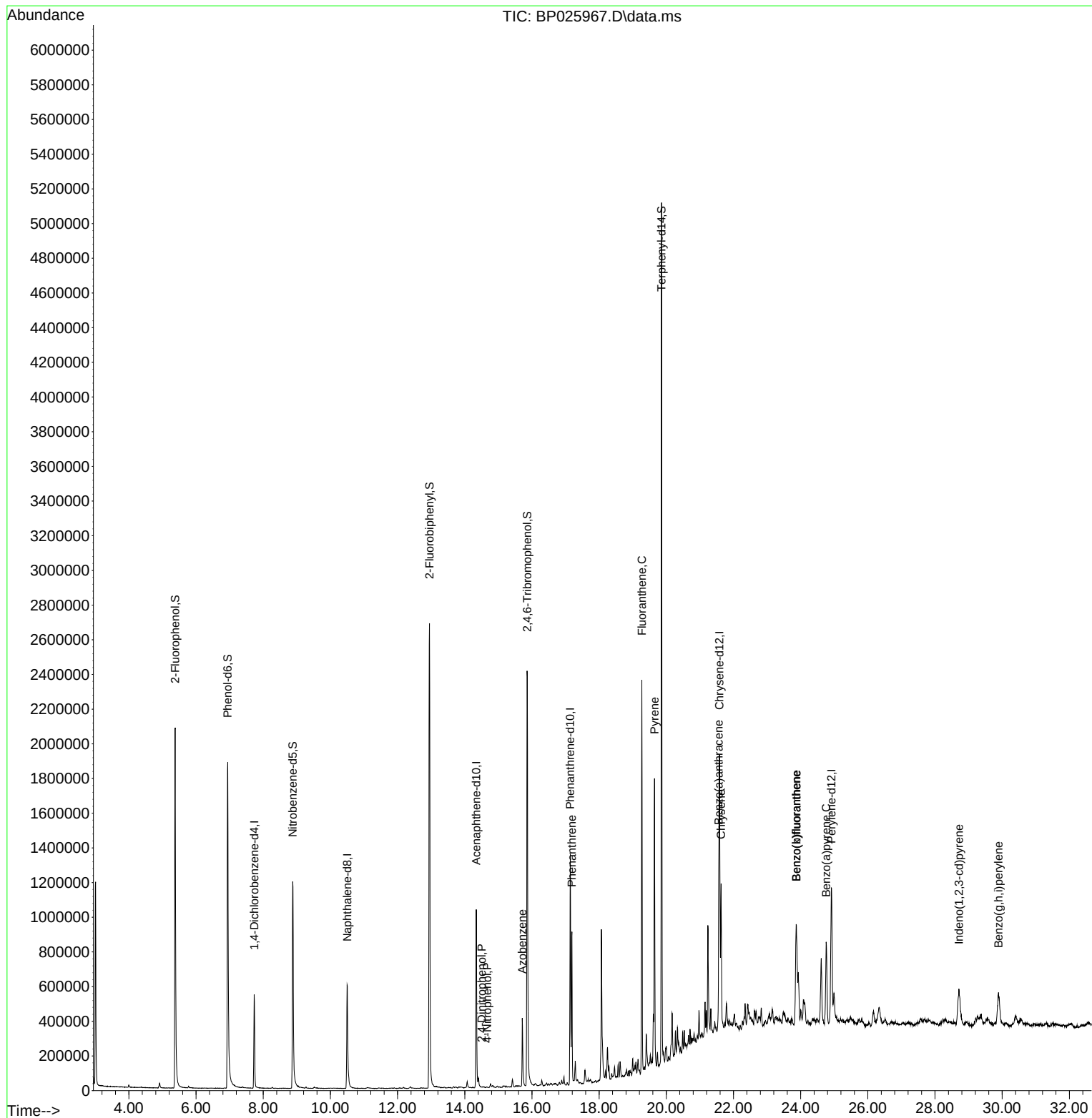
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.731	152	163704	20.000	ng	0.00
21) Naphthalene-d8	10.501	136	658563	20.000	ng	0.01
39) Acenaphthene-d10	14.342	164	436083	20.000	ng	0.00
64) Phenanthrene-d10	17.142	188	854273	20.000	ng	0.01
76) Chrysene-d12	21.583	240	837982	20.000	ng	0.01
86) Perylene-d12	24.918	264	904904	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.378	112	1125369	112.201	ng	0.00
7) Phenol-d6	6.943	99	1452316	109.649	ng	0.00
23) Nitrobenzene-d5	8.878	82	898375	61.053	ng	0.00
42) 2,4,6-Tribromophenol	15.860	330	615875	113.089	ng	0.00
45) 2-Fluorobiphenyl	12.948	172	1840948	56.710	ng	0.00
79) Terphenyl-d14	19.860	244	2552196	54.918	ng	0.00
Target Compounds						Qvalue
54) 2,4-Dinitrophenol	14.507	184	8	4.822	ng	# 1
56) 4-Nitrophenol	14.666	139	214	4.566	ng	# 75
63) Azobenzene	15.713	77	127247	3.980	ng	# 1
71) Phenanthrene	17.189	178	542733	11.341	ng	99
75) Fluoranthene	19.272	202	1301107	22.696	ng	100
78) Pyrene	19.648	202	1124931	20.261	ng	98
81) Benzo(a)anthracene	21.560	228	543517	9.582	ng	99
83) Chrysene	21.630	228	643428	11.881	ng	98
87) Indeno(1,2,3-cd)pyrene	28.712	276	370368	5.696	ng	# 84
88) Benzo(b)fluoranthene	23.871	252	790099	14.516	ng	100
89) Benzo(k)fluoranthene	23.871	252	790099	14.220	ng	99
90) Benzo(a)pyrene	24.760	252	510018	9.548	ng	95
92) Benzo(g,h,i)perylene	29.889	276	372436	7.105	ng	96

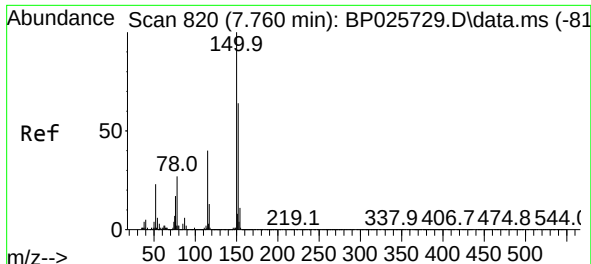
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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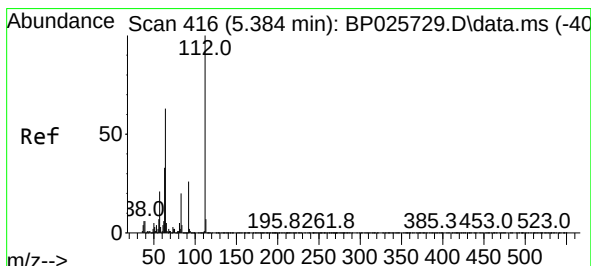
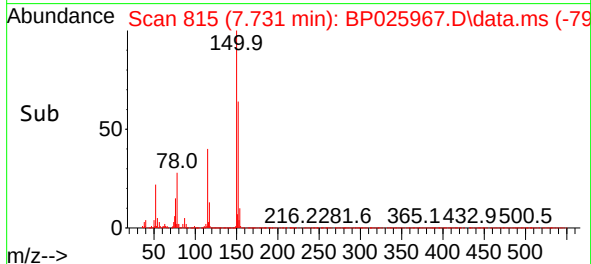
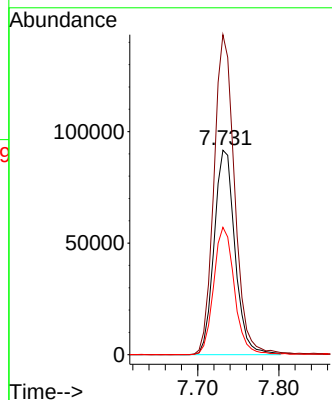
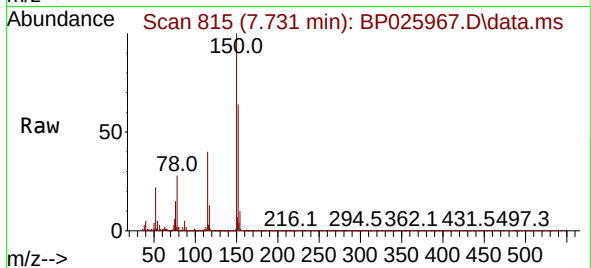




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.731 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

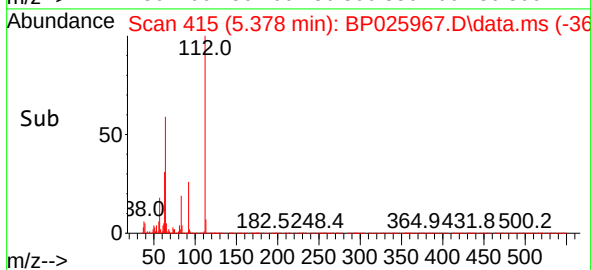
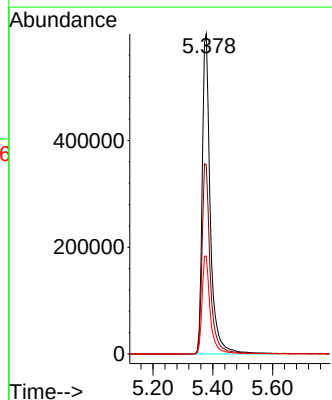
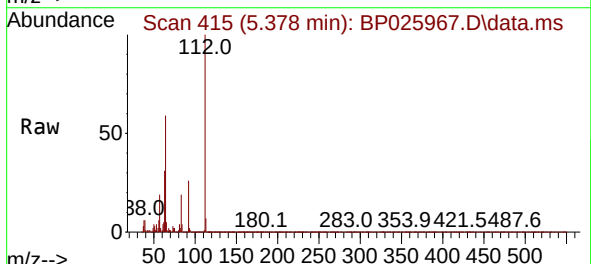
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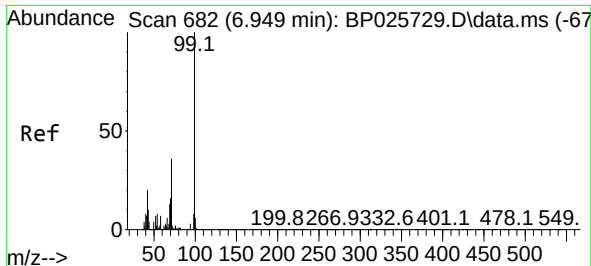
Tgt Ion:152 Resp: 163704
Ion Ratio Lower Upper
152 100
150 156.5 124.3 186.5
115 62.3 50.3 75.5



#5
2-Fluorophenol
Concen: 112.201 ng
RT: 5.378 min Scan# 415
Delta R.T. 0.006 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

Tgt Ion:112 Resp: 1125369
Ion Ratio Lower Upper
112 100
64 59.1 50.2 75.4
63 30.6 26.7 40.1

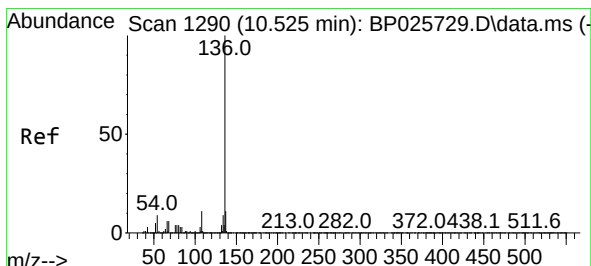
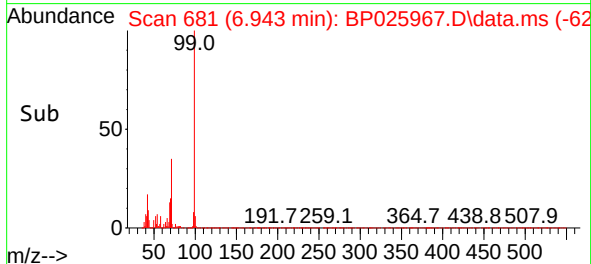
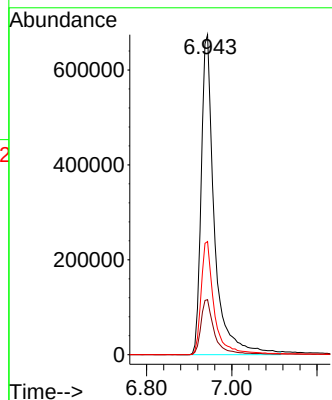
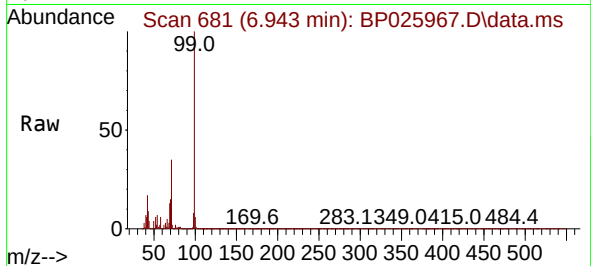




#7
Phenol-d6
Concen: 109.649 ng
RT: 6.943 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

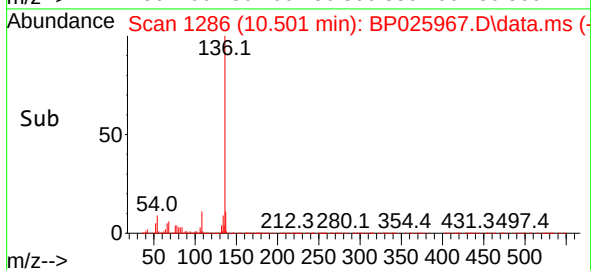
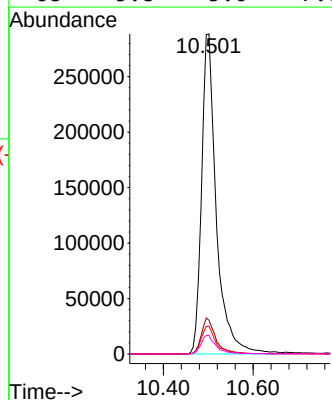
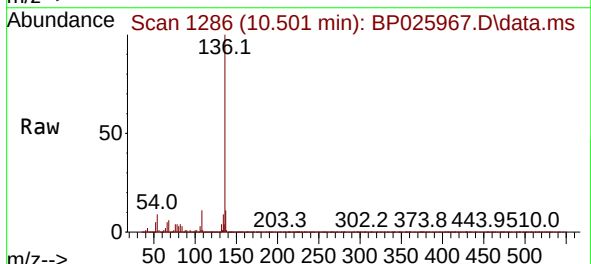
Instrument :
BNA_P
ClientSampleId :
ETGI-360

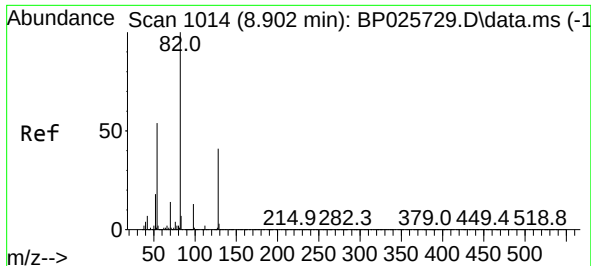
Tgt Ion: 99 Resp: 1452316
Ion Ratio Lower Upper
99 100
42 17.2 15.6 23.4
71 35.4 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.501 min Scan# 1286
Delta R.T. 0.012 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

Tgt Ion:136 Resp: 658563
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 8.6 7.5 11.3
68 5.8 5.0 7.6

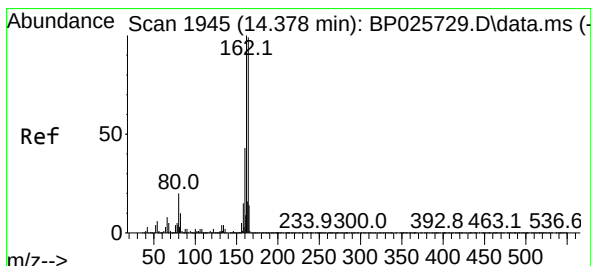
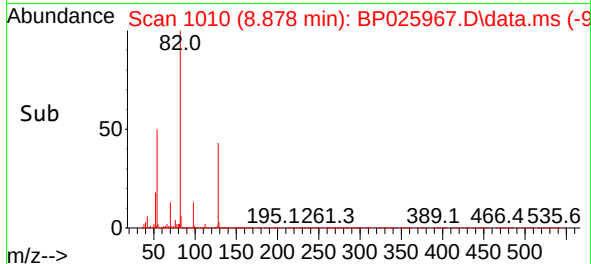
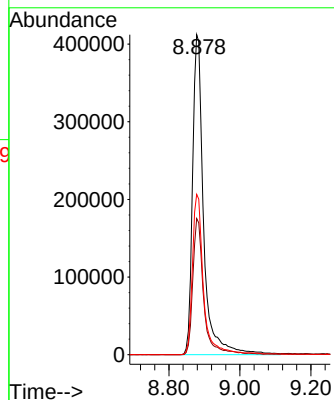
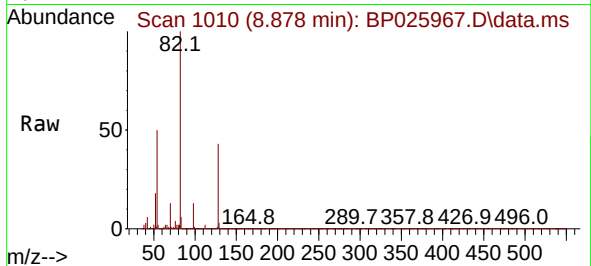




#23
Nitrobenzene-d5
Concen: 61.053 ng
RT: 8.878 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

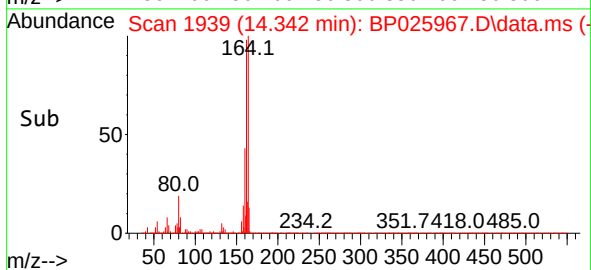
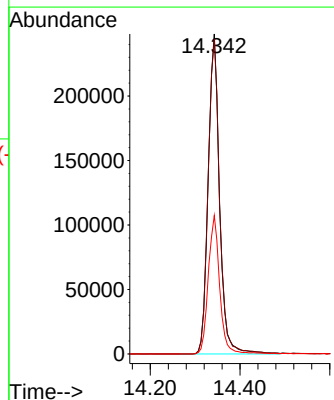
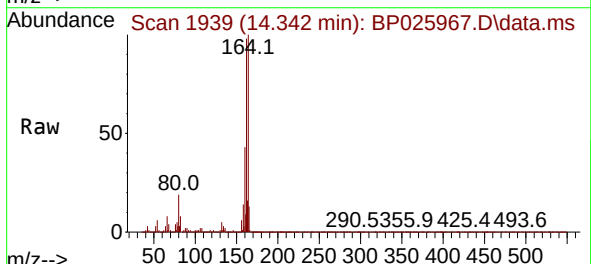
Instrument :
BNA_P
ClientSampleId :
ETGI-360

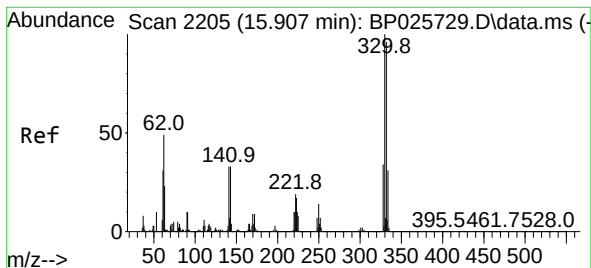
Tgt Ion: 82 Resp: 898375
Ion Ratio Lower Upper
82 100
128 42.5 32.9 49.3
54 50.1 43.4 65.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.342 min Scan# 1939
Delta R.T. 0.006 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

Tgt Ion:164 Resp: 436083
Ion Ratio Lower Upper
164 100
162 98.4 80.6 120.8
160 43.2 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 113.089 ng

RT: 15.860 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025967.D

Acq: 09 Oct 2025 16:27

Instrument :

BNA_P

ClientSampleId :

ETGI-360

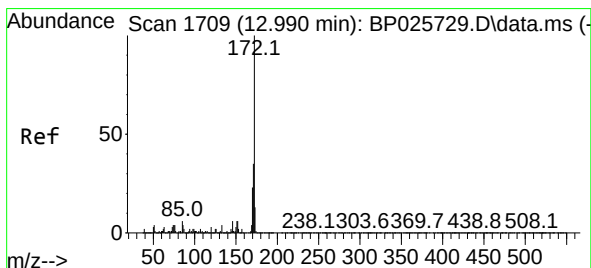
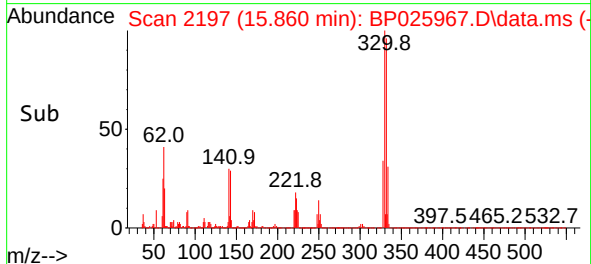
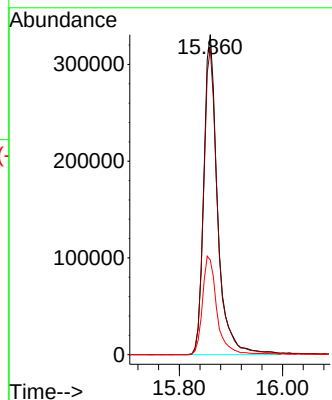
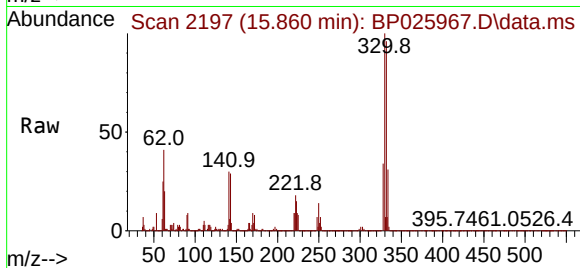
Tgt Ion:330 Resp: 615875

Ion Ratio Lower Upper

330 100

332 97.2 76.9 115.3

141 32.1 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 56.710 ng

RT: 12.948 min Scan# 1702

Delta R.T. -0.000 min

Lab File: BP025967.D

Acq: 09 Oct 2025 16:27

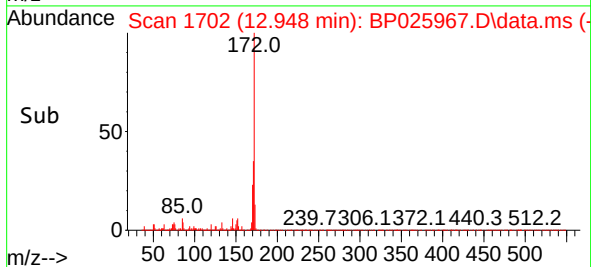
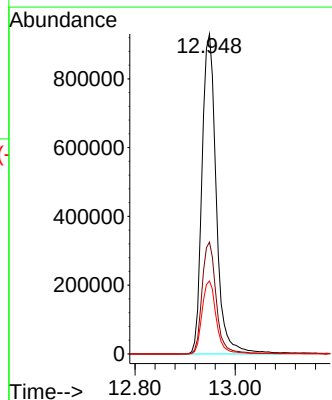
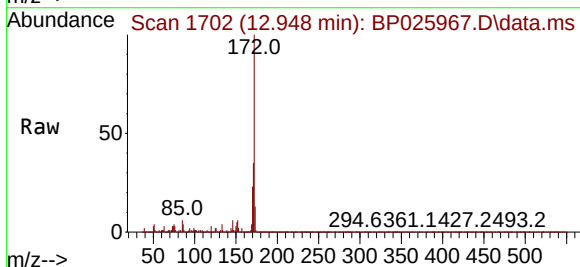
Tgt Ion:172 Resp: 1840948

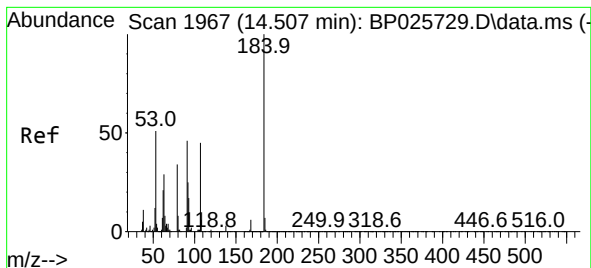
Ion Ratio Lower Upper

172 100

171 34.9 27.8 41.6

170 22.8 18.6 27.8

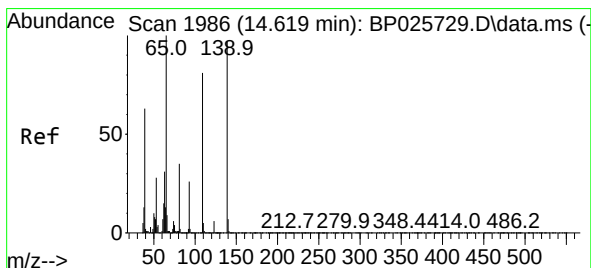
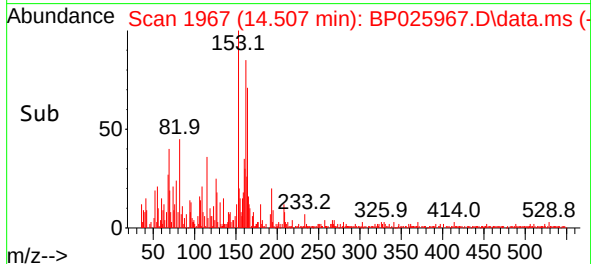
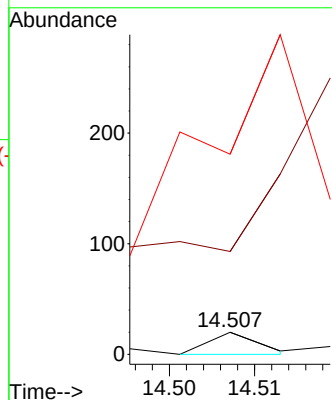
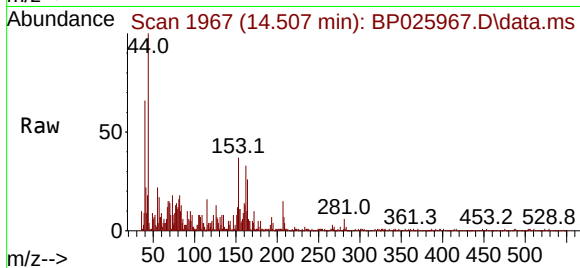




#54
2,4-Dinitrophenol
Concen: 4.822 ng
RT: 14.507 min Scan# 1994
Delta R.T. 0.017 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

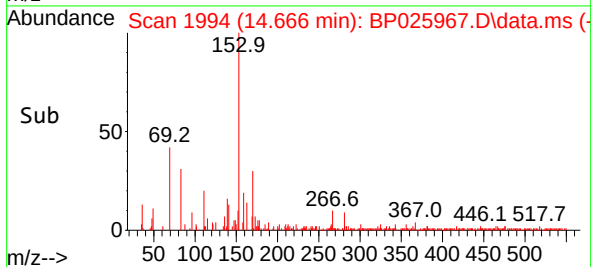
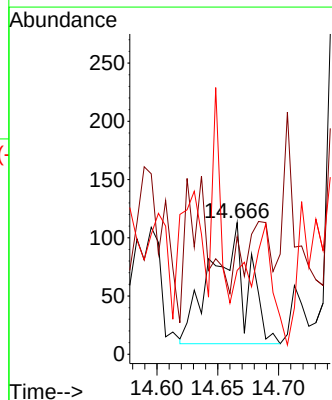
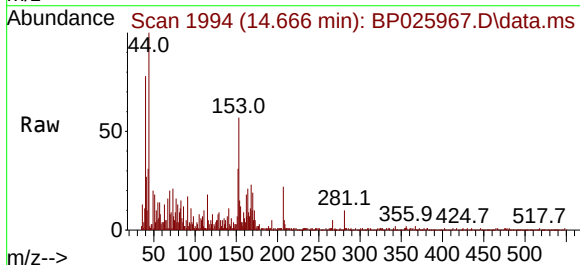
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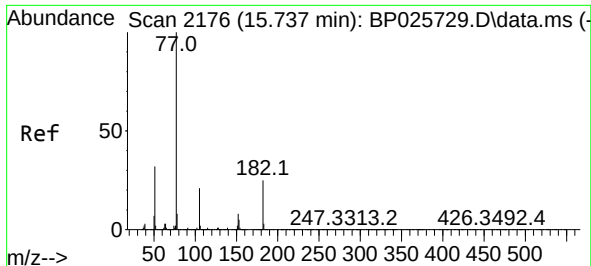
Tgt Ion:184 Resp: 8
Ion Ratio Lower Upper
184 100
63 465.0 52.5 78.7#
154 905.0 51.5 77.3#



#56
4-Nitrophenol
Concen: 4.566 ng
RT: 14.666 min Scan# 1994
Delta R.T. 0.035 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

Tgt Ion:139 Resp: 214
Ion Ratio Lower Upper
139 100
109 89.4 62.9 102.9
65 63.7 83.4 123.4#

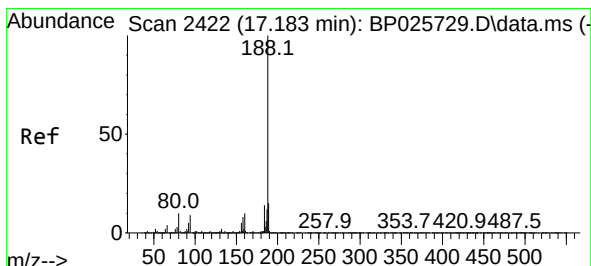
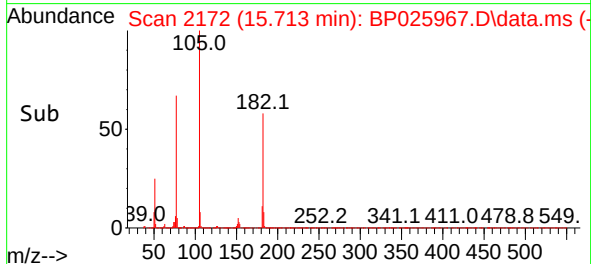
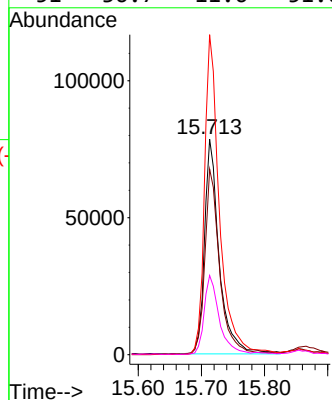
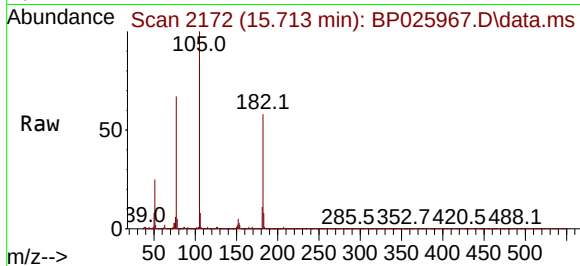




#63
Azobenzene
Concen: 3.980 ng
RT: 15.713 min Scan# 2172
Delta R.T. 0.023 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

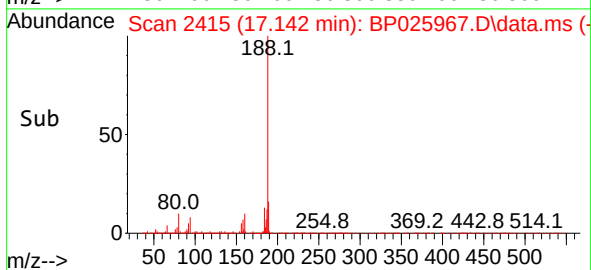
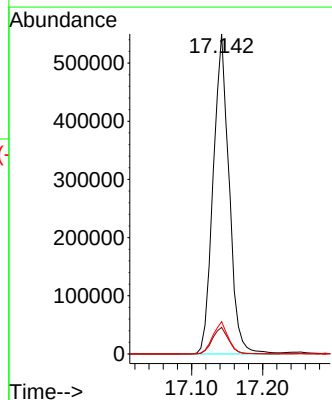
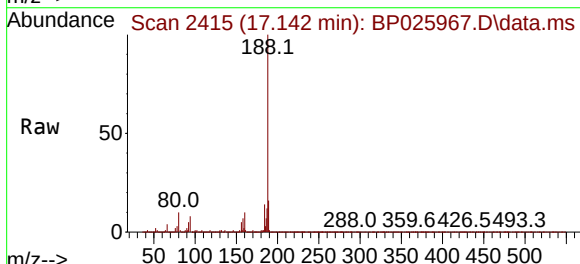
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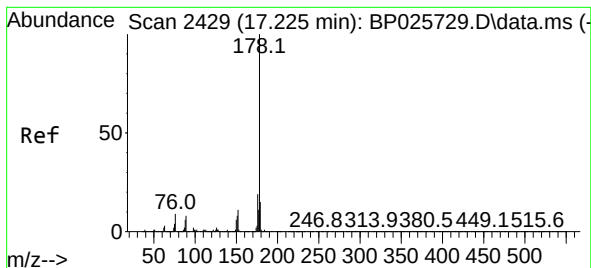
Tgt Ion: 77	Resp: 127247
Ion Ratio	Lower Upper
77 100	
182 86.1	5.2 45.2#
105 148.4	1.1 41.1#
51 36.7	11.6 51.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.142 min Scan# 2415
Delta R.T. 0.012 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

Tgt Ion:188	Resp: 854273		
Ion Ratio	Lower	Upper	
188 100			
94 8.3	7.4	11.0	
80 10.1	7.7	11.5	





#71

Phenanthrene

Concen: 11.341 ng

RT: 17.189 min Scan# 2429

Delta R.T. 0.012 min

Lab File: BP025967.D

Acq: 09 Oct 2025 16:27

Instrument :

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ClientSampleId :

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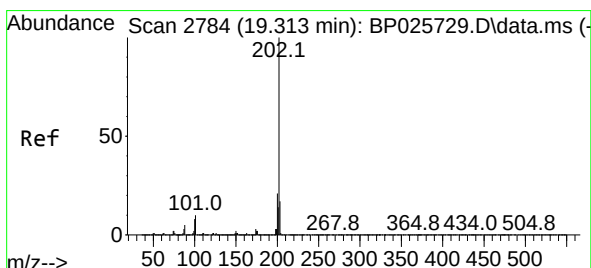
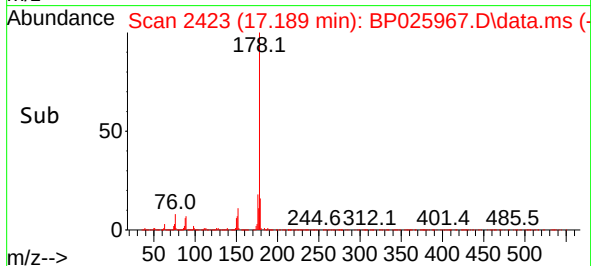
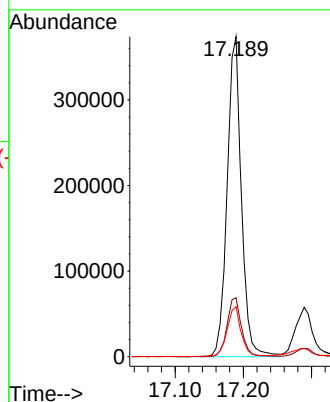
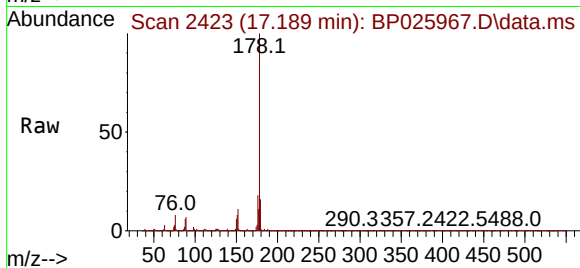
Tgt Ion:178 Resp: 542733

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

179 15.6 12.2 18.4



#75

Fluoranthene

Concen: 22.696 ng

RT: 19.272 min Scan# 2777

Delta R.T. 0.006 min

Lab File: BP025967.D

Acq: 09 Oct 2025 16:27

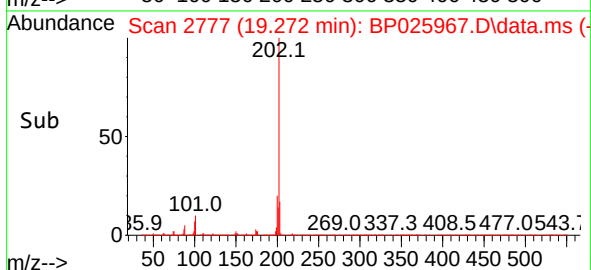
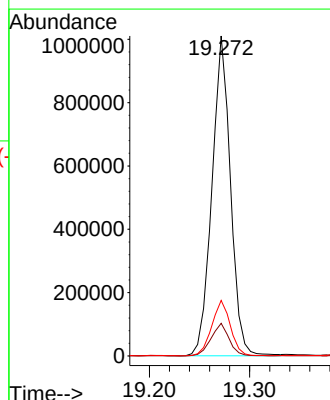
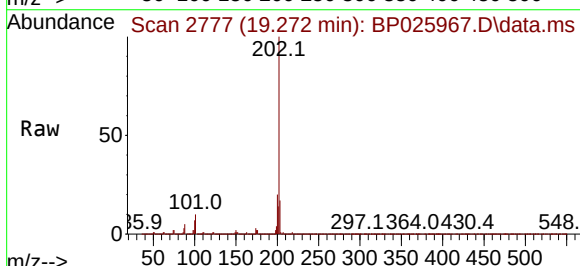
Tgt Ion:202 Resp: 1301107

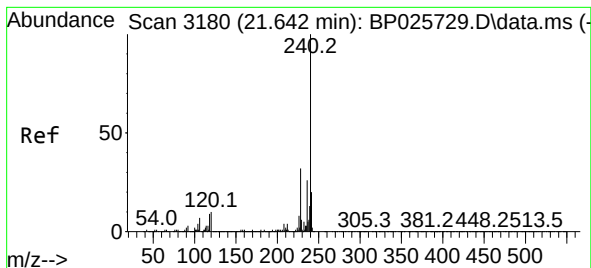
Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.4

203 17.3 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.583 min Scan# 3180

Delta R.T. 0.012 min

Lab File: BP025967.D

Acq: 09 Oct 2025 16:27

Instrument :

BNA_P

ClientSampleId :

ETGI-360

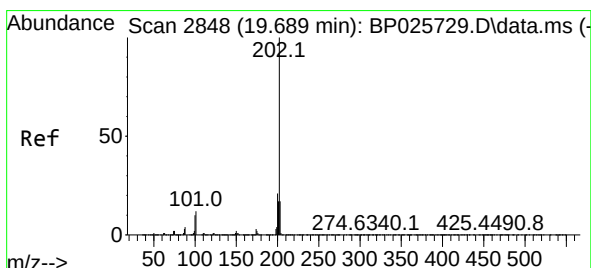
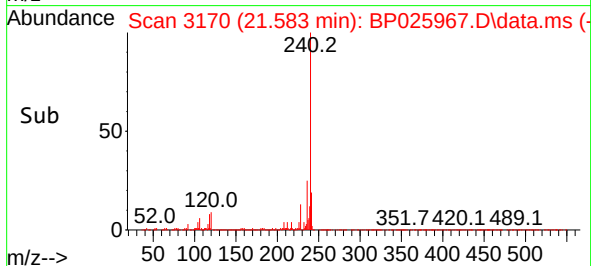
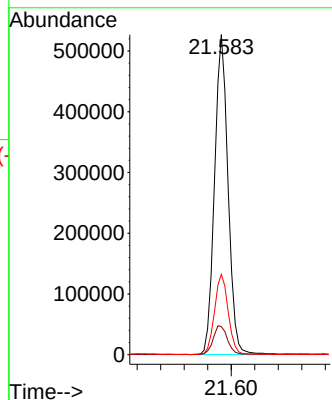
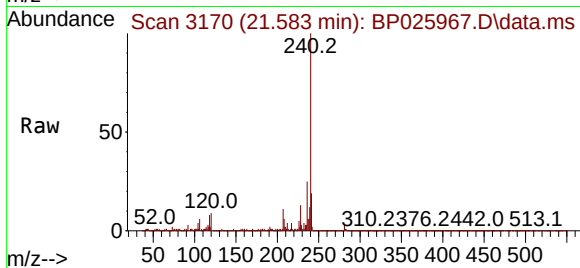
Tgt Ion:240 Resp: 837982

Ion Ratio Lower Upper

240 100

120 8.7 8.0 12.0

236 25.1 20.7 31.1



#78

Pyrene

Concen: 20.261 ng

RT: 19.648 min Scan# 2841

Delta R.T. 0.006 min

Lab File: BP025967.D

Acq: 09 Oct 2025 16:27

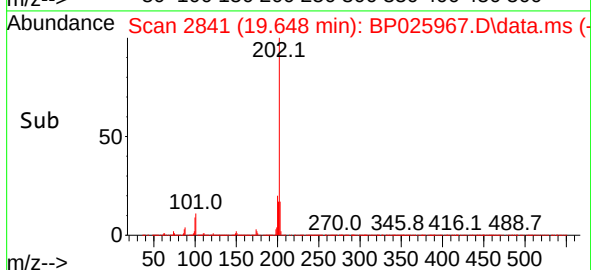
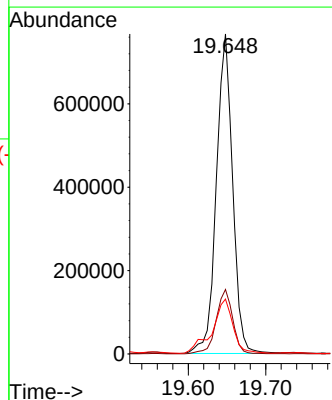
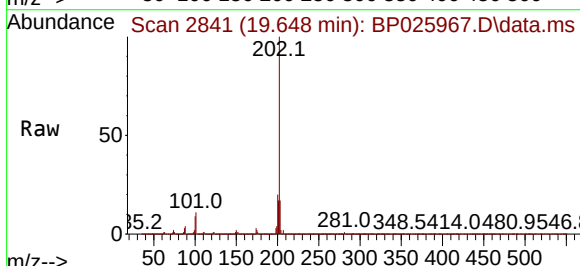
Tgt Ion:202 Resp: 1124931

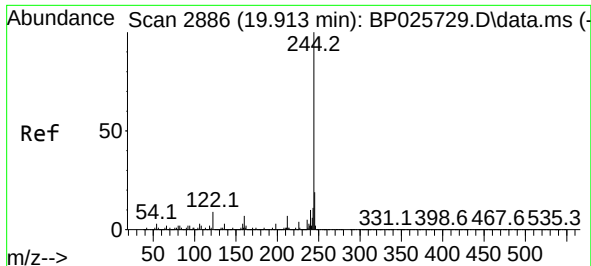
Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.6

203 17.2 13.9 20.9

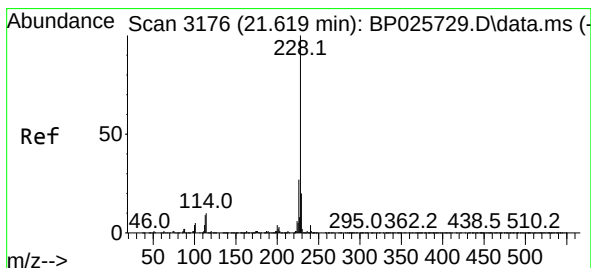
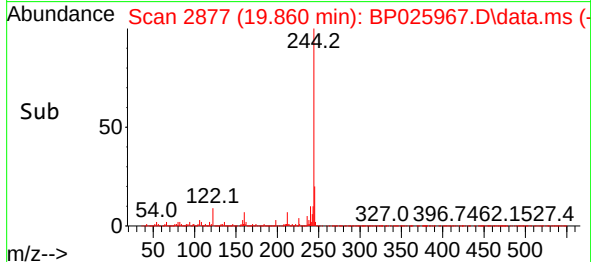
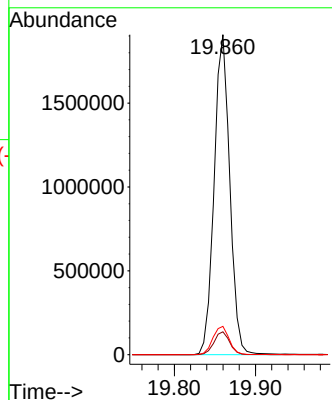
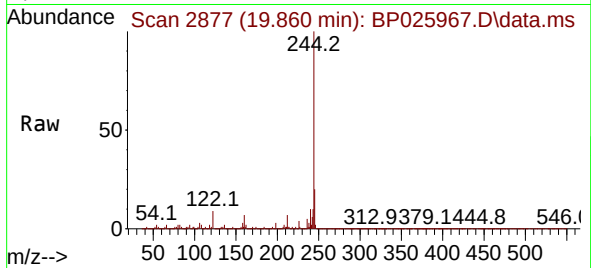




#79
 Terphenyl-d14
 Concen: 54.918 ng
 RT: 19.860 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP025967.D
 Acq: 09 Oct 2025 16:27

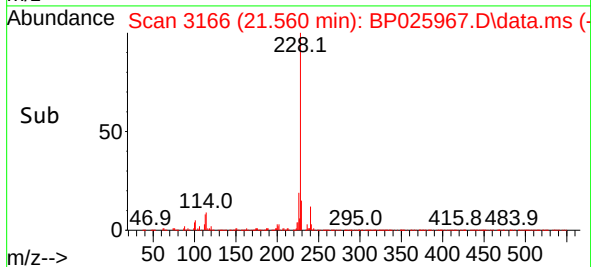
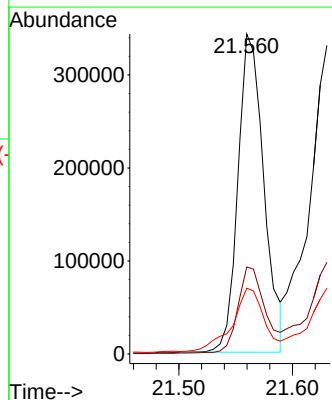
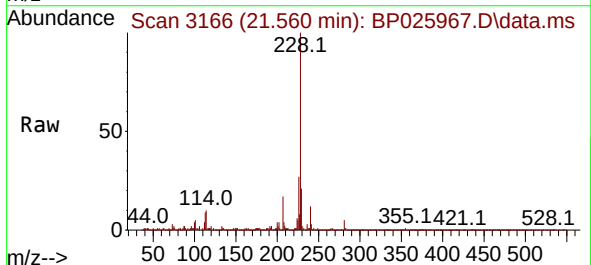
Instrument :
 BNA_P
 ClientSampleId :
 ETGI-360

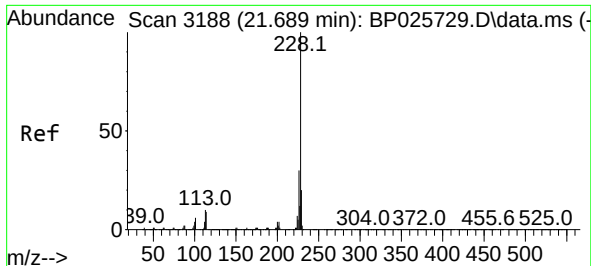
Tgt Ion:244 Resp: 2552196
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 8.9 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 9.582 ng
 RT: 21.560 min Scan# 3166
 Delta R.T. 0.006 min
 Lab File: BP025967.D
 Acq: 09 Oct 2025 16:27

Tgt Ion:228 Resp: 543517
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.6 32.4
 229 20.6 15.7 23.5

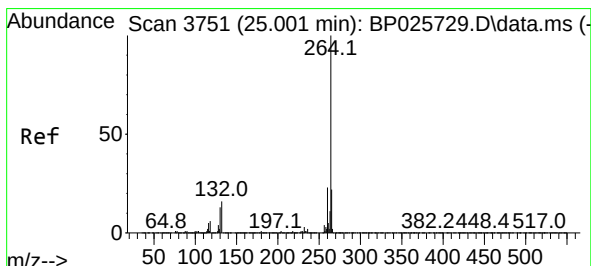
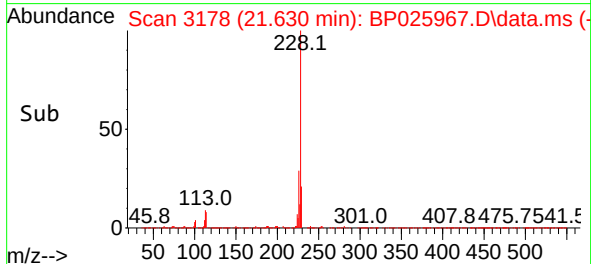
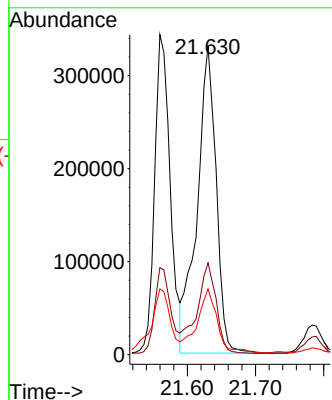
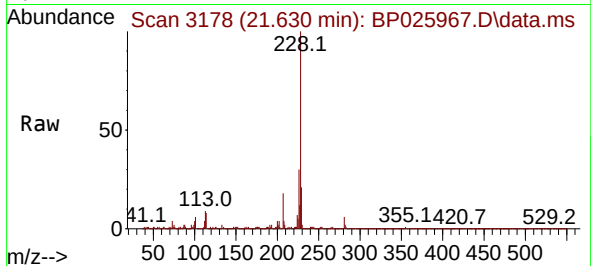




#83
Chrysene
Concen: 11.881 ng
RT: 21.630 min Scan# 3188
Delta R.T. 0.006 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

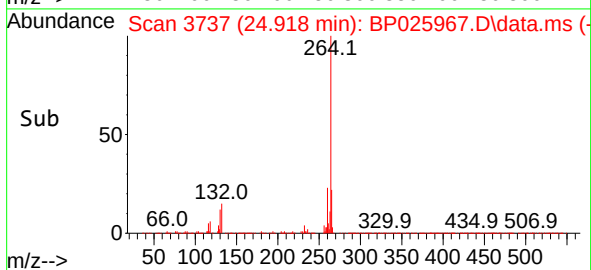
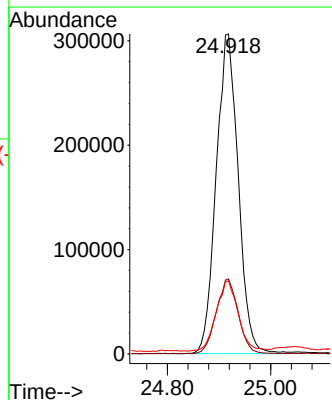
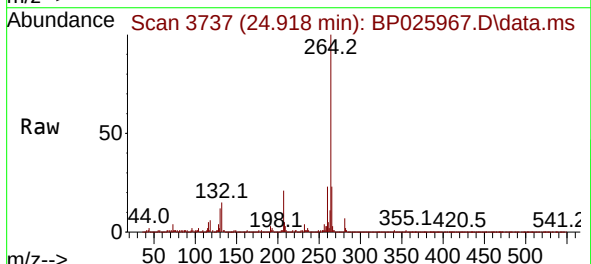
Instrument :
BNA_P
ClientSampleId :
ETGI-360

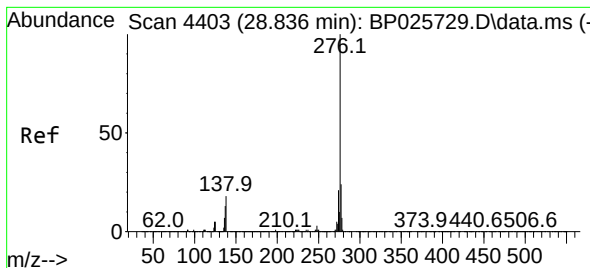
Tgt Ion:228 Resp: 643428
Ion Ratio Lower Upper
228 100
226 29.7 23.8 35.6
229 21.3 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.918 min Scan# 3737
Delta R.T. -0.000 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

Tgt Ion:264 Resp: 904904
Ion Ratio Lower Upper
264 100
260 23.4 18.3 27.5
265 22.8 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.696 ng

RT: 28.712 min Scan# 41

Delta R.T. -0.018 min

Lab File: BP025967.D

Acq: 09 Oct 2025 16:27

Instrument :

BNA_P

ClientSampleId :

ETGI-360

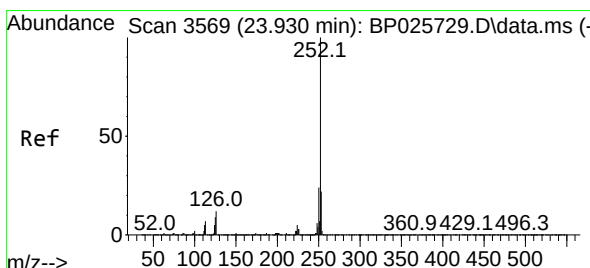
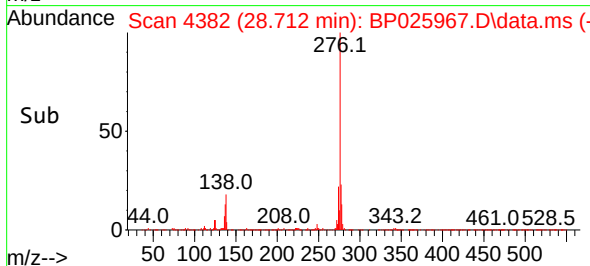
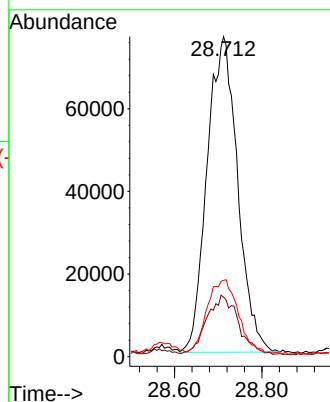
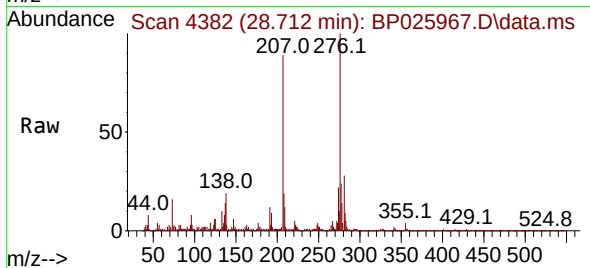
Tgt Ion:276 Resp: 370368

Ion Ratio Lower Upper

276 100

138 19.0 13.4 20.2

277 23.8 9.1 13.7#



#88

Benzo(b)fluoranthene

Concen: 14.516 ng

RT: 23.871 min Scan# 3559

Delta R.T. 0.023 min

Lab File: BP025967.D

Acq: 09 Oct 2025 16:27

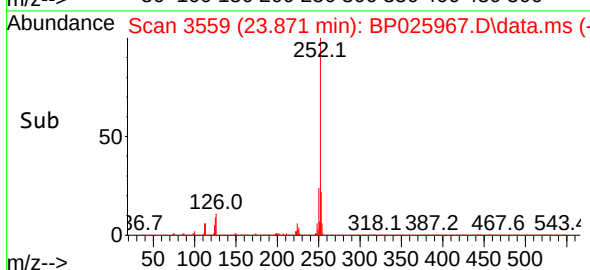
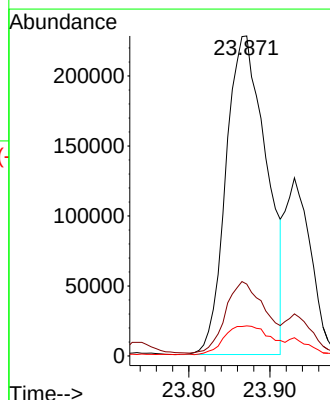
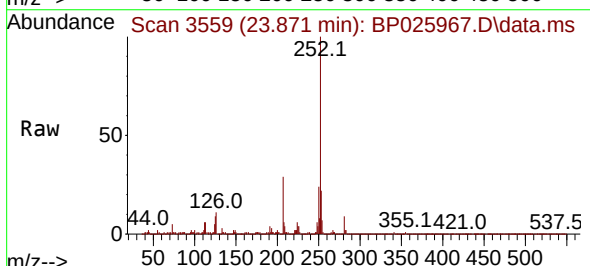
Tgt Ion:252 Resp: 790099

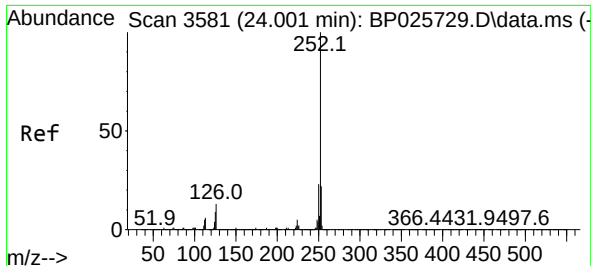
Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 9.4 7.3 10.9

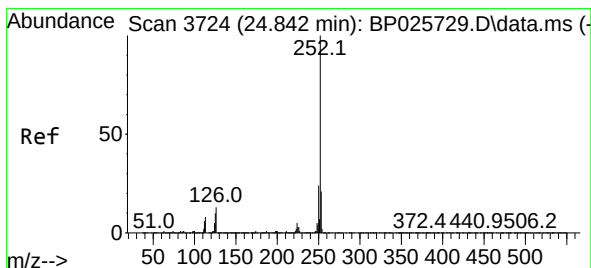
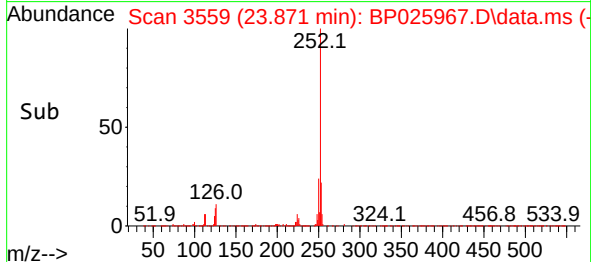
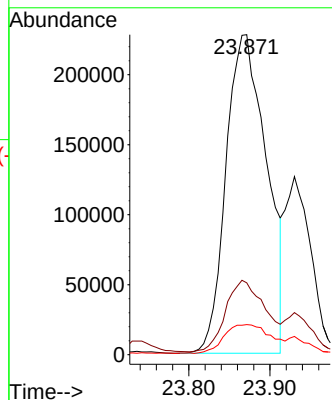
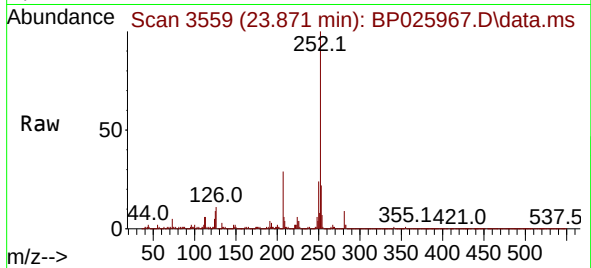




#89
Benzo(k)fluoranthene
Concen: 14.220 ng
RT: 23.871 min Scan# 31
Delta R.T. -0.041 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

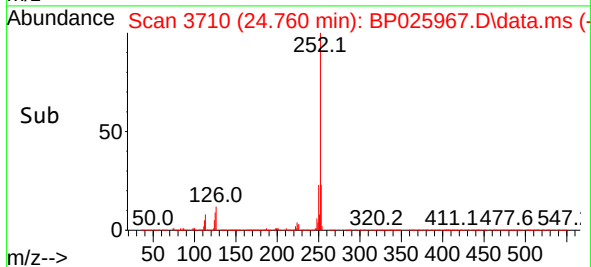
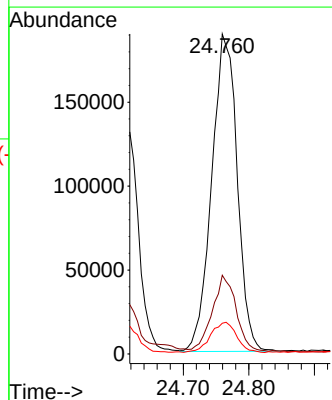
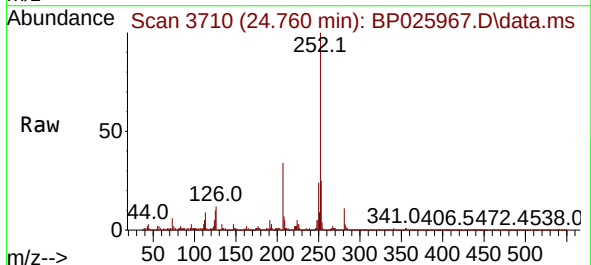
Instrument :
BNA_P
ClientSampleId :
ETGI-360

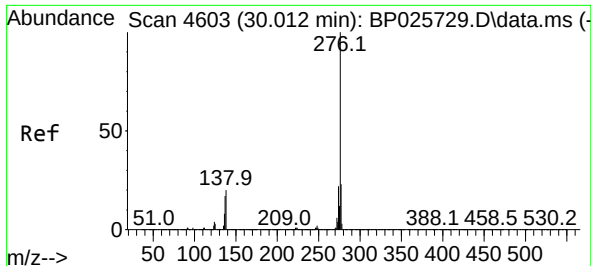
Tgt Ion:252 Resp: 790099
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 9.4 7.5 11.3



#90
Benzo(a)pyrene
Concen: 9.548 ng
RT: 24.760 min Scan# 3710
Delta R.T. 0.006 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

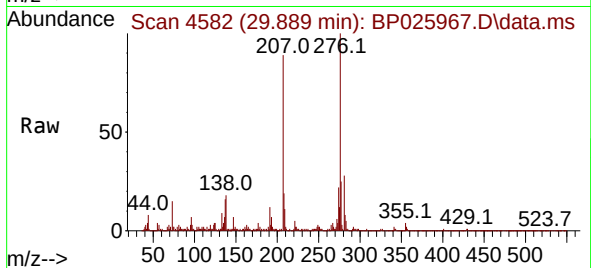
Tgt Ion:252 Resp: 510018
Ion Ratio Lower Upper
252 100
253 24.6 17.2 25.8
125 9.6 8.3 12.5





#92
 Benzo(g,h,i)perylene
 Concen: 7.105 ng
 RT: 29.889 min Scan# 4582
 Delta R.T. -0.012 min
 Lab File: BP025967.D
 Acq: 09 Oct 2025 16:27

Instrument :
 BNA_P
 ClientSampleId :
 ETGI-360



Tgt Ion:	276	Resp:	372436
Ion Ratio	Lower	Upper	
276	100		
277	25.1	18.7	28.1
138	18.3	16.0	24.0

