

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080725\
 Data File : BP025317.D
 Acq On : 07 Aug 2025 17:12
 Operator : CG/JU
 Sample : Q2774-05DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 R5DL

Quant Time: Aug 07 17:30:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

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

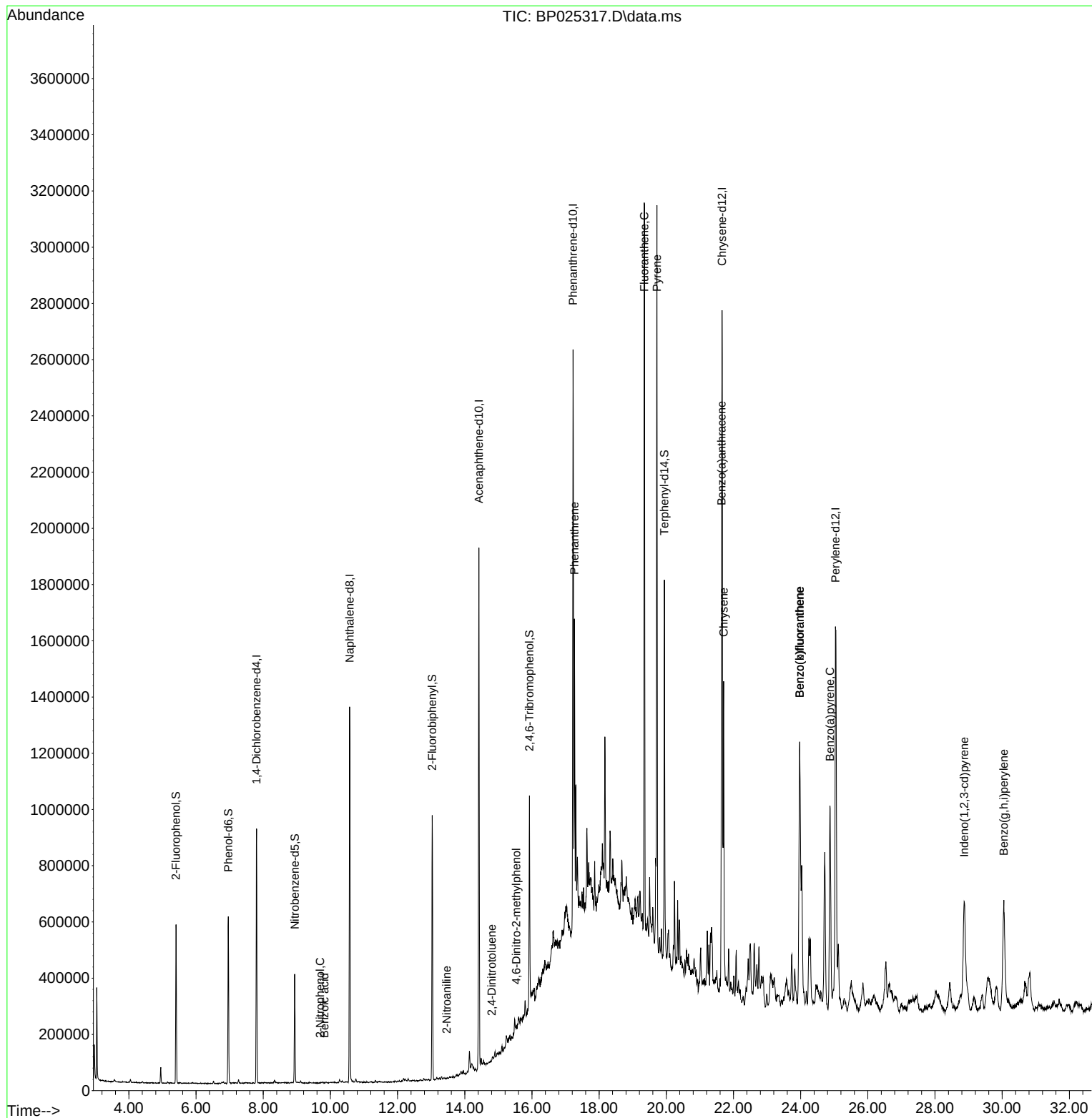
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	247366	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	1081594	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	694298	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	1300448	20.000	ng	0.00
76) Chrysene-d12	21.660	240	1210191	20.000	ng	0.00
86) Perylene-d12	25.036	264	1354209	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	250465	16.285	ng	0.00
7) Phenol-d6	6.960	99	335077	16.554	ng	0.00
23) Nitrobenzene-d5	8.937	82	205525	10.527	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	123978	17.899	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	510307	10.152	ng	0.00
79) Terphenyl-d14	19.942	244	654785	10.219	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.690	139	50	3.644	ng	# 1
32) Benzoic acid	9.825	122	192	5.974	ng	# 69
48) 2-Nitroaniline	13.460	65	225	2.982	ng	# 66
57) 2,4-Dinitrotoluene	14.801	165	96	3.261	ng	# 67
65) 4,6-Dinitro-2-methylph...	15.536	198	208	4.878	ng	# 1
71) Phenanthrene	17.266	178	544982	7.651	ng	98
75) Fluoranthene	19.348	202	1742164	21.129	ng	99
78) Pyrene	19.719	202	1562022	19.410	ng	100
81) Benzo(a)anthracene	21.642	228	634239	7.887	ng	98
83) Chrysene	21.707	228	753868	10.107	ng	98
87) Indeno(1,2,3-cd)pyrene	28.865	276	641079	6.605	ng	# 90
88) Benzo(b)fluoranthene	23.971	252	1149372	14.178	ng	98
89) Benzo(k)fluoranthene	23.971	252	1149372	14.302	ng	98
90) Benzo(a)pyrene	24.871	252	782253	10.020	ng	97
92) Benzo(g,h,i)perylene	30.047	276	645764	8.277	ng	99

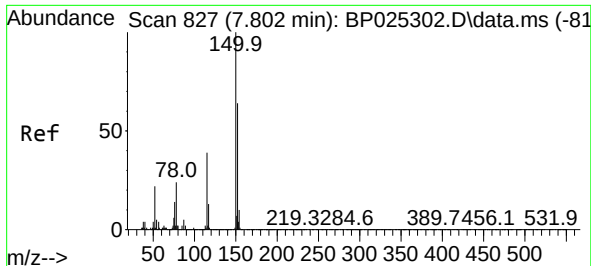
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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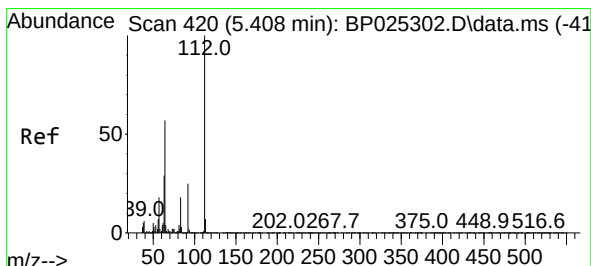
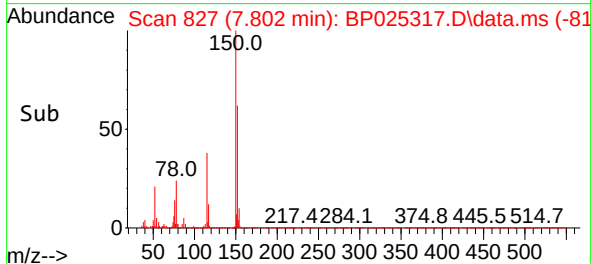
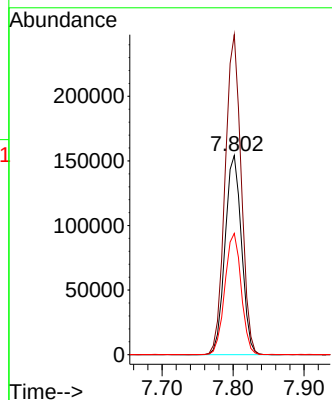
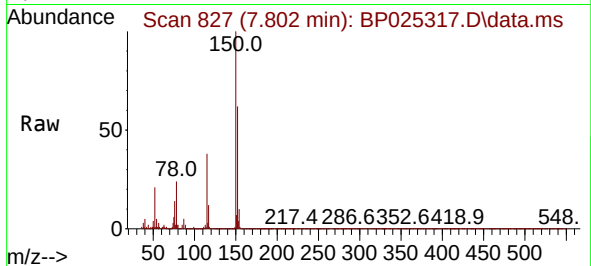




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025317.D
Acq: 07 Aug 2025 17:12

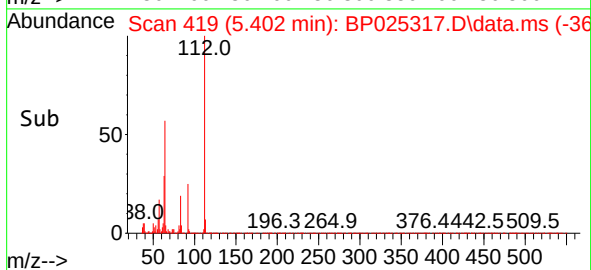
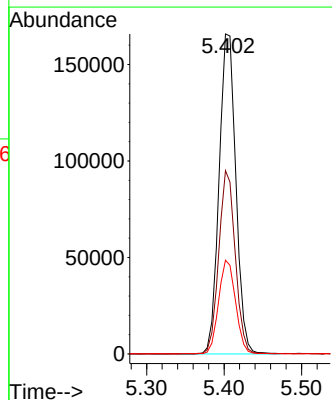
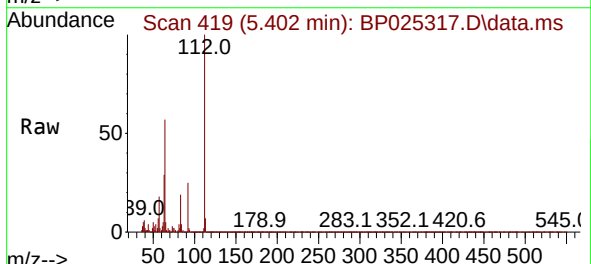
Instrument :
BNA_P
ClientSampleId :
R5DL

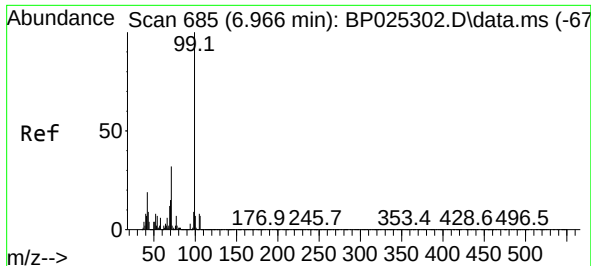
Tgt Ion:152 Resp: 247366
Ion Ratio Lower Upper
152 100
150 160.7 125.1 187.7
115 60.9 48.4 72.6



#5
2-Fluorophenol
Concen: 16.285 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025317.D
Acq: 07 Aug 2025 17:12

Tgt Ion:112 Resp: 250465
Ion Ratio Lower Upper
112 100
64 57.3 45.3 67.9
63 29.3 23.0 34.6

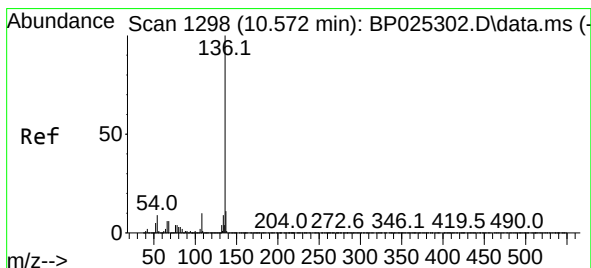
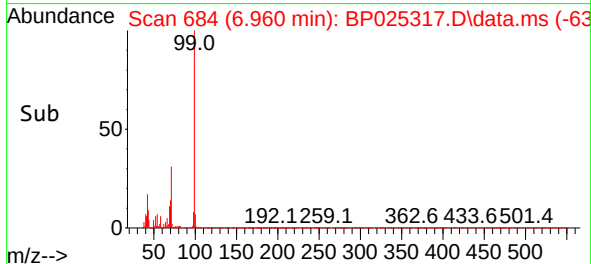
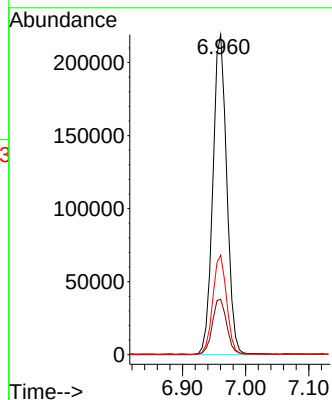
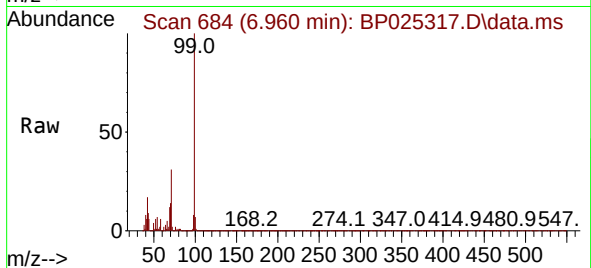




#7
Phenol-d6
Concen: 16.554 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025317.D
Acq: 07 Aug 2025 17:12

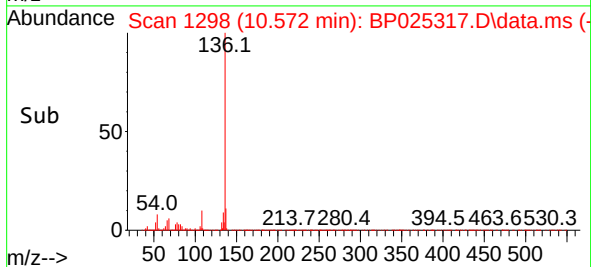
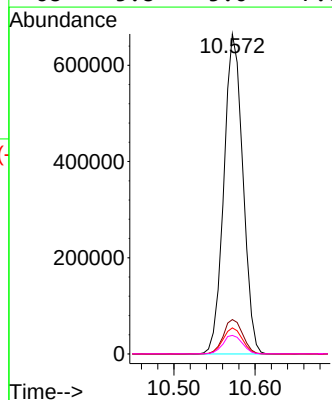
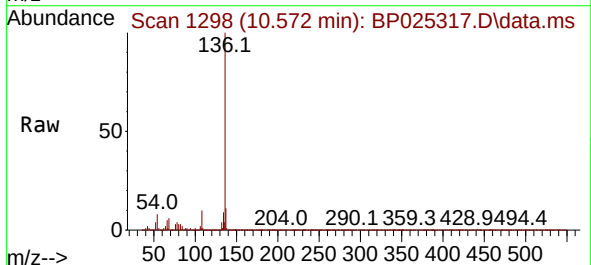
Instrument :
BNA_P
ClientSampleId :
R5DL

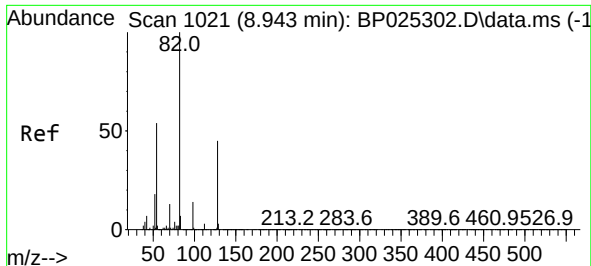
Tgt Ion: 99 Resp: 335077
Ion Ratio Lower Upper
99 100
42 17.3 15.0 22.6
71 31.1 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025317.D
Acq: 07 Aug 2025 17:12

Tgt Ion: 136 Resp: 1081594
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 8.2 7.0 10.6
68 5.8 5.0 7.6

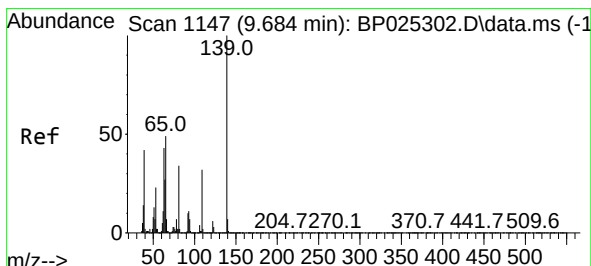
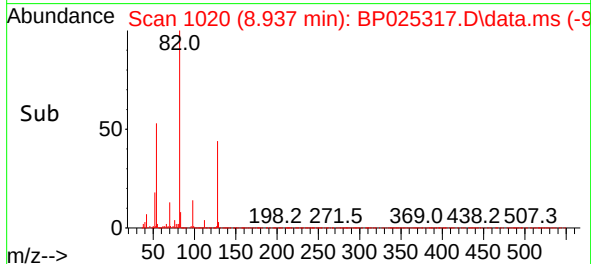
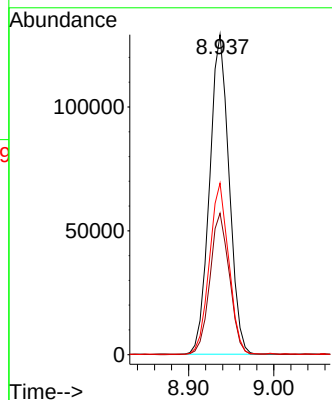
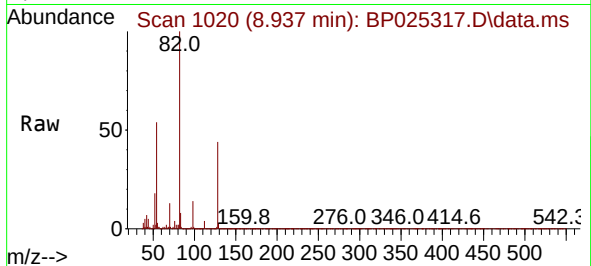




#23
Nitrobenzene-d5
Concen: 10.527 ng
RT: 8.937 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BP025317.D
Acq: 07 Aug 2025 17:12

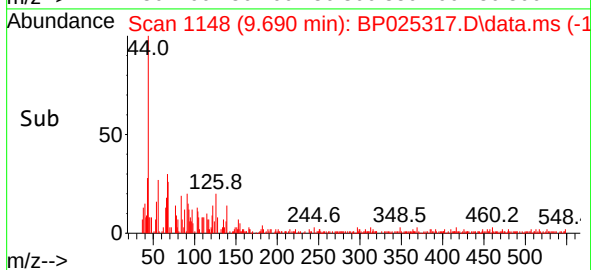
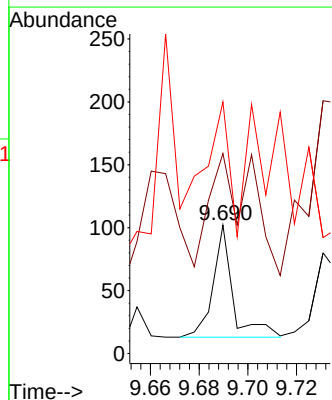
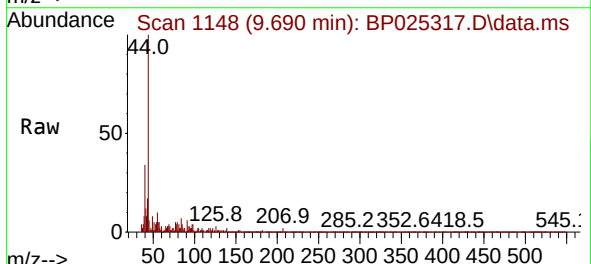
Instrument :
BNA_P
ClientSampleId :
R5DL

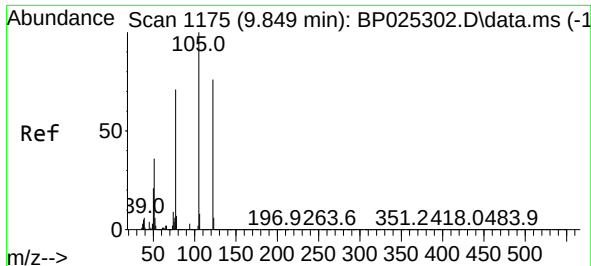
Tgt Ion: 82 Resp: 205525
Ion Ratio Lower Upper
82 100
128 44.2 35.4 53.2
54 53.6 42.9 64.3



#26
2-Nitrophenol
Concen: 3.644 ng
RT: 9.690 min Scan# 1148
Delta R.T. 0.006 min
Lab File: BP025317.D
Acq: 07 Aug 2025 17:12

Tgt Ion:139 Resp: 50
Ion Ratio Lower Upper
139 100
109 155.9 25.2 37.8#
65 196.1 39.6 59.4#

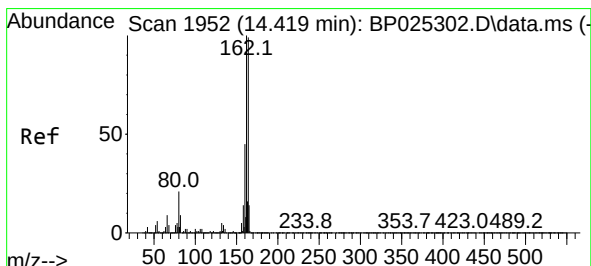
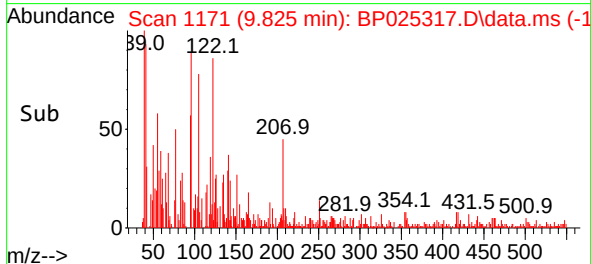
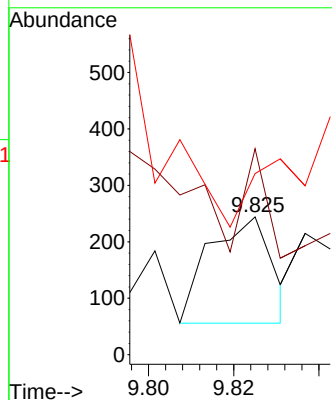
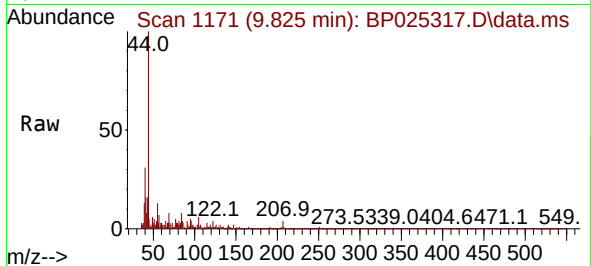




#32
Benzoic acid
Concen: 5.974 ng
RT: 9.825 min Scan# 1175
Delta R.T. -0.024 min
Lab File: BP025317.D
Acq: 07 Aug 2025 17:12

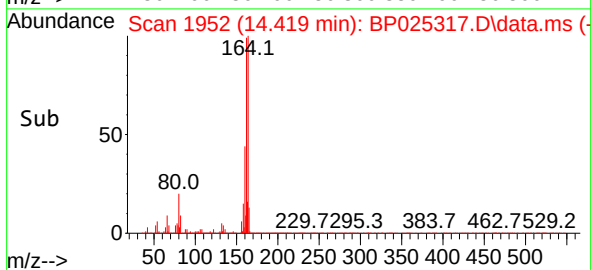
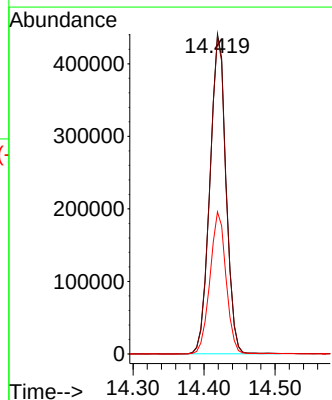
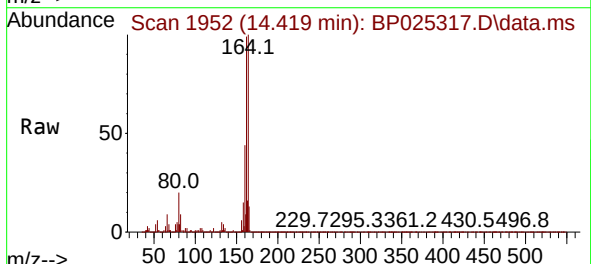
Instrument :
BNA_P
ClientSampleId :
R5DL

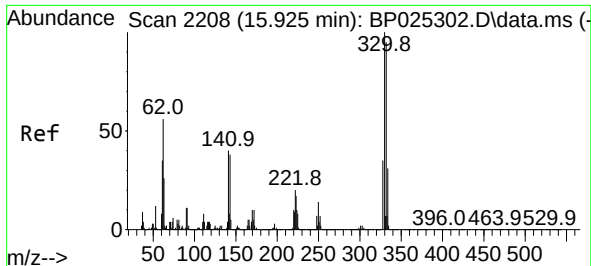
Tgt Ion:122 Resp: 192
Ion Ratio Lower Upper
122 100
105 149.6 104.0 144.0#
77 131.6 71.8 111.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BP025317.D
Acq: 07 Aug 2025 17:12

Tgt Ion:164 Resp: 694298
Ion Ratio Lower Upper
164 100
162 99.2 80.6 120.8
160 44.4 35.9 53.9

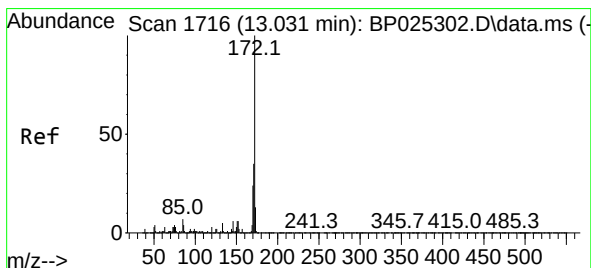
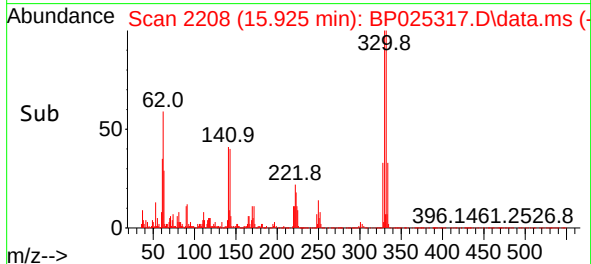
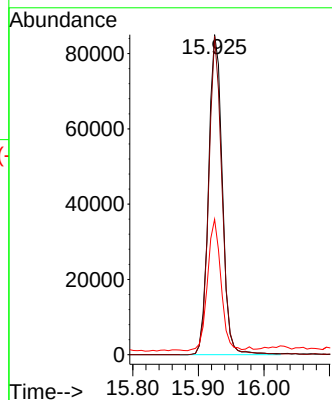
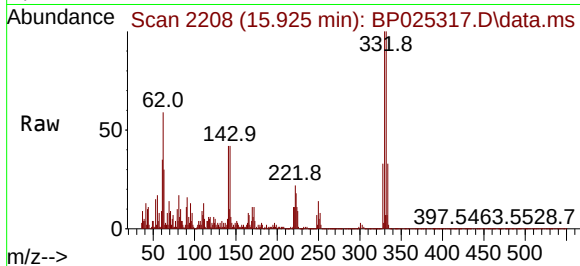




#42
2,4,6-Tribromophenol
Concen: 17.899 ng
RT: 15.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025317.D
Acq: 07 Aug 2025 17:12

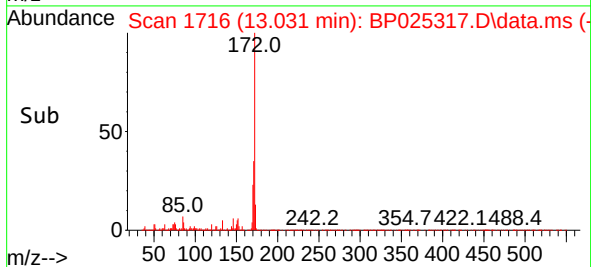
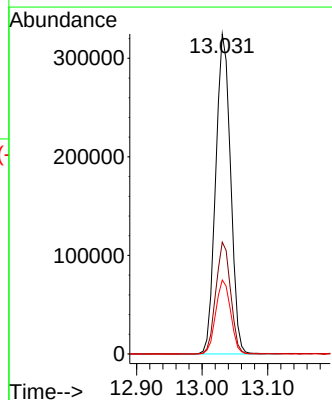
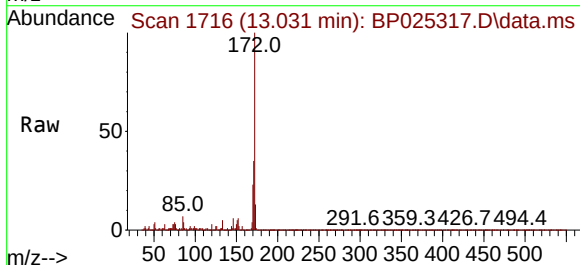
Instrument :
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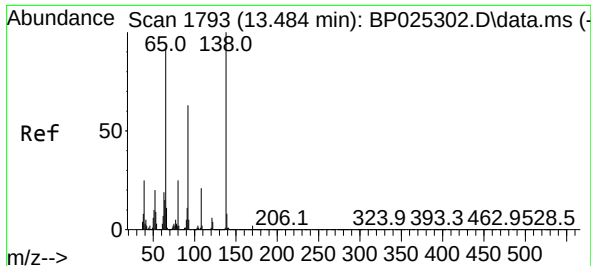
Tgt Ion:330 Resp: 123978
Ion Ratio Lower Upper
330 100
332 95.5 77.4 116.0
141 40.2 31.7 47.5



#45
2-Fluorobiphenyl
Concen: 10.152 ng
RT: 13.031 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BP025317.D
Acq: 07 Aug 2025 17:12

Tgt Ion:172 Resp: 510307
Ion Ratio Lower Upper
172 100
171 34.9 27.9 41.9
170 23.1 18.9 28.3

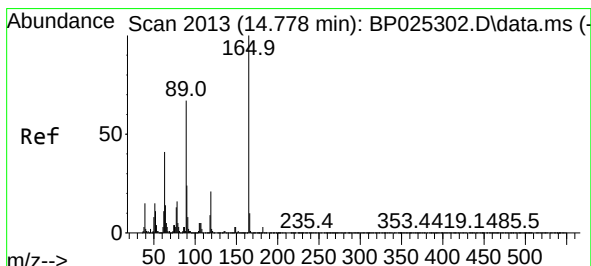
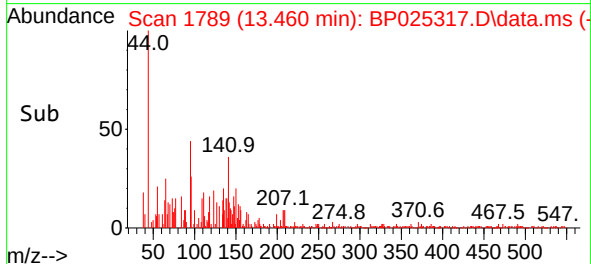
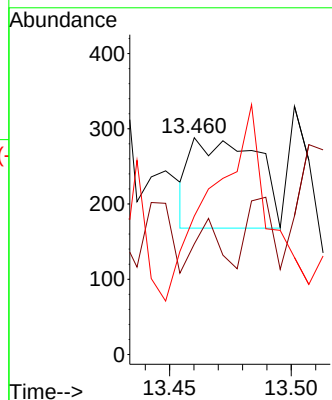
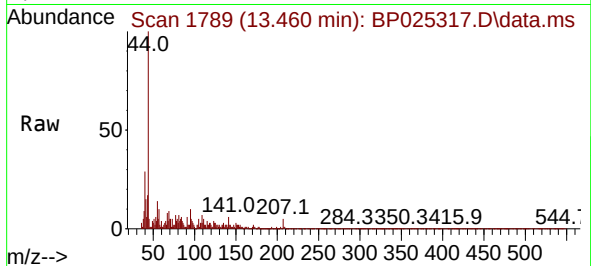




#48
2-Nitroaniline
Concen: 2.982 ng
RT: 13.460 min Scan# 11
Delta R.T. -0.024 min
Lab File: BP025317.D
Acq: 07 Aug 2025 17:12

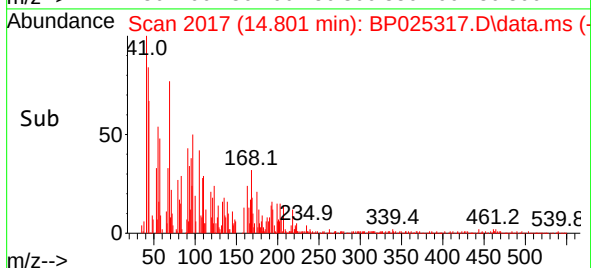
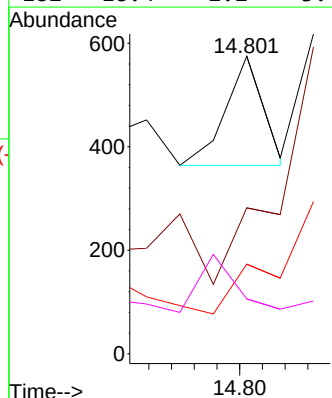
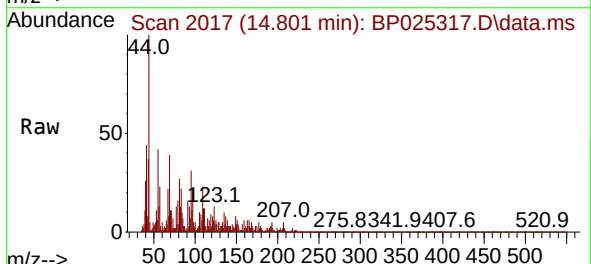
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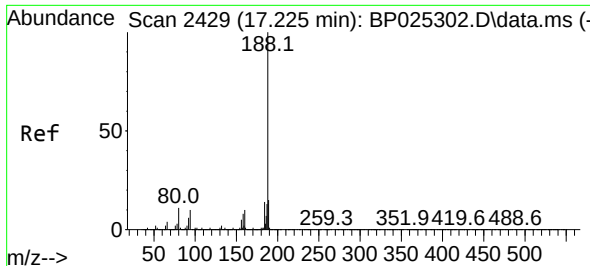
Tgt Ion: 65 Resp: 225
Ion Ratio Lower Upper
65 100
92 51.0 54.4 81.6#
138 63.9 87.0 130.4#



#57
2,4-Dinitrotoluene
Concen: 3.261 ng
RT: 14.801 min Scan# 2017
Delta R.T. 0.023 min
Lab File: BP025317.D
Acq: 07 Aug 2025 17:12

Tgt Ion: 165 Resp: 96
Ion Ratio Lower Upper
165 100
63 49.0 33.2 49.8
89 30.1 53.5 80.3#
182 18.4 2.2 3.4#

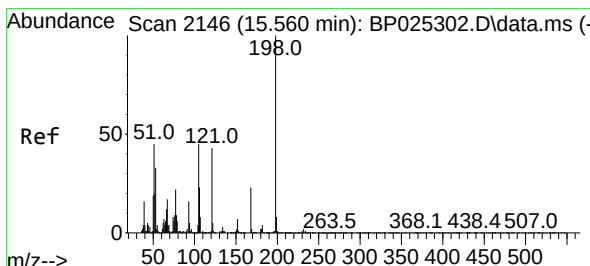
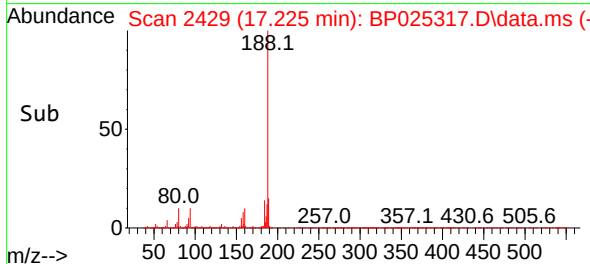
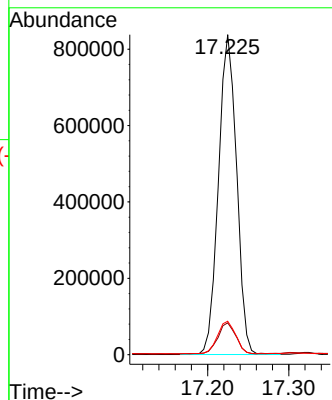
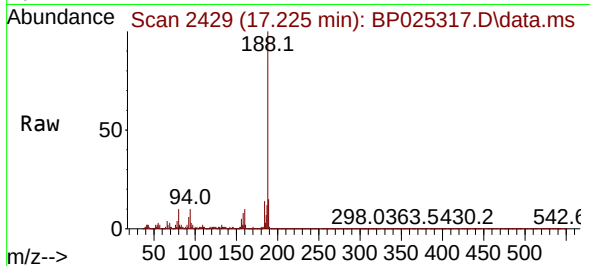




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BP025317.D
Acq: 07 Aug 2025 17:12

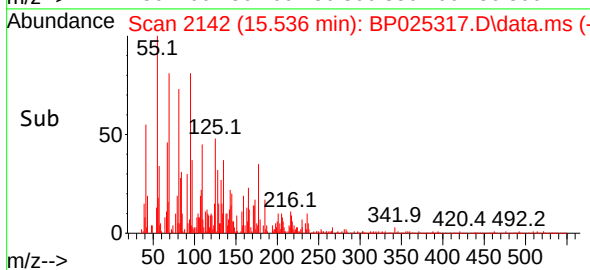
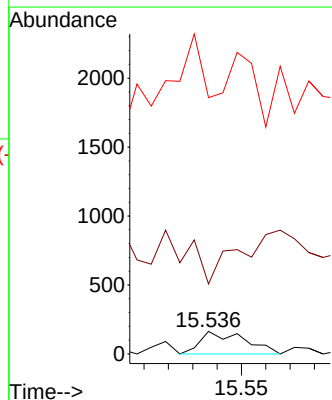
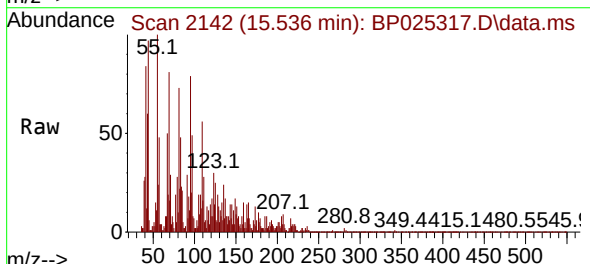
Instrument :
BNA_P
ClientSampleId :
R5DL

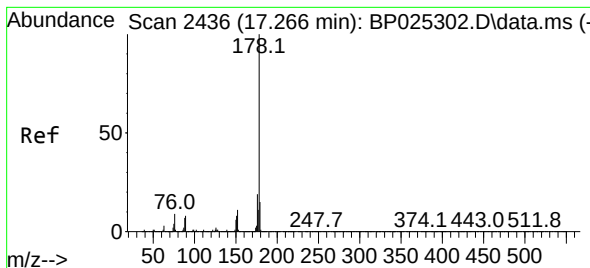
Tgt Ion:188 Resp: 1300448
Ion Ratio Lower Upper
188 100
94 9.9 8.0 12.0
80 10.5 8.5 12.7



#65
4,6-Dinitro-2-methylphenol
Concen: 4.878 ng
RT: 15.536 min Scan# 2142
Delta R.T. -0.024 min
Lab File: BP025317.D
Acq: 07 Aug 2025 17:12

Tgt Ion:198 Resp: 208
Ion Ratio Lower Upper
198 100
51 311.0 26.7 66.7#
105 1140.5 25.6 65.6#

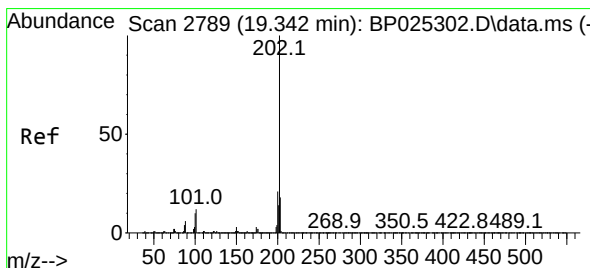
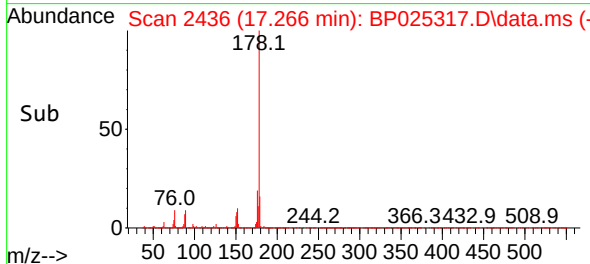
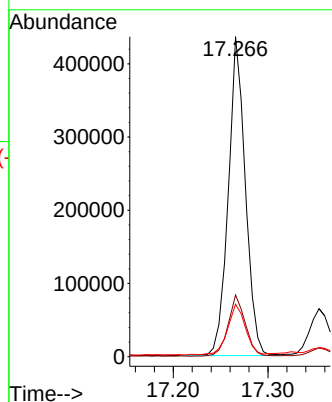
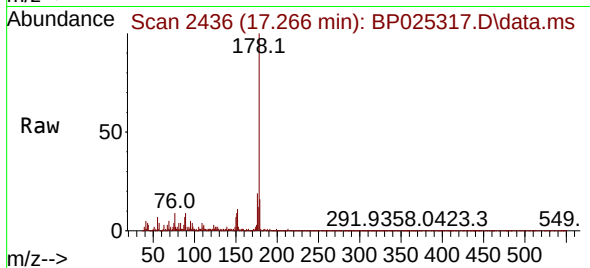




#71
Phenanthrene
Concen: 7.651 ng
RT: 17.266 min Scan# 2436
Delta R.T. -0.000 min
Lab File: BP025317.D
Acq: 07 Aug 2025 17:12

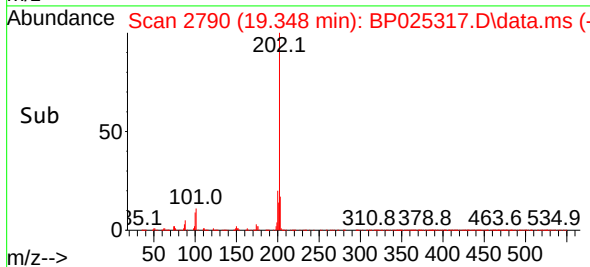
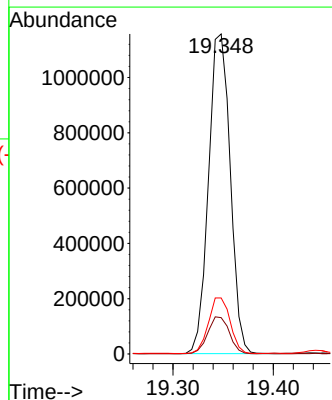
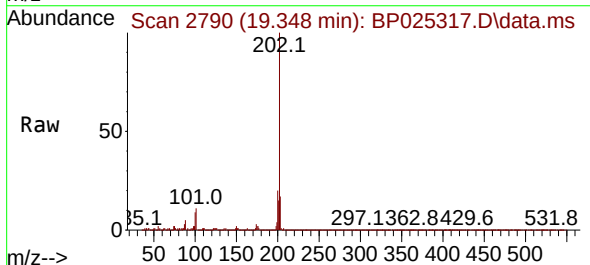
Instrument :
BNA_P
ClientSampleId :
R5DL

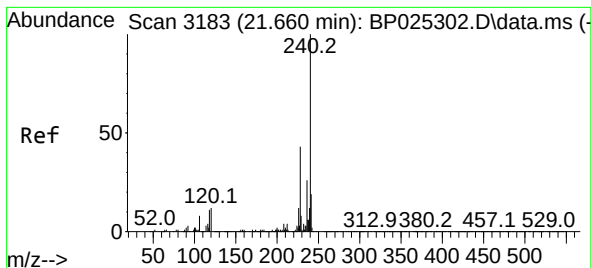
Tgt Ion:178 Resp: 544982
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 16.4 12.1 18.1



#75
Fluoranthene
Concen: 21.129 ng
RT: 19.348 min Scan# 2790
Delta R.T. 0.006 min
Lab File: BP025317.D
Acq: 07 Aug 2025 17:12

Tgt Ion:202 Resp: 1742164
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.5
203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.660 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP025317.D

Acq: 07 Aug 2025 17:12

Instrument :

BNA_P

ClientSampleId :

R5DL

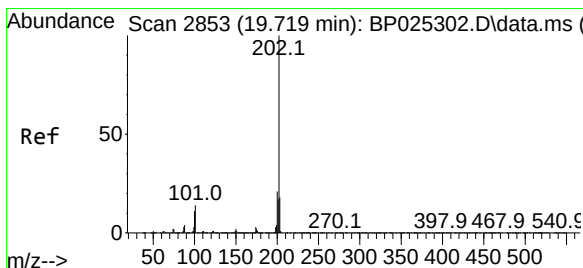
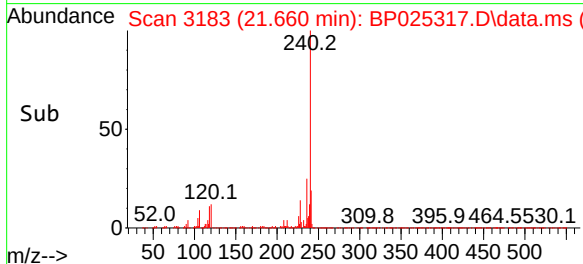
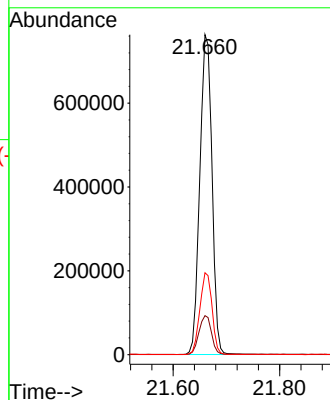
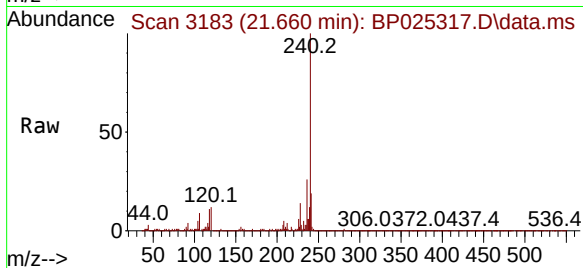
Tgt Ion:240 Resp: 1210191

Ion Ratio Lower Upper

240 100

120 12.2 9.6 14.4

236 25.6 20.4 30.6



#78

Pyrene

Concen: 19.410 ng

RT: 19.719 min Scan# 2853

Delta R.T. -0.000 min

Lab File: BP025317.D

Acq: 07 Aug 2025 17:12

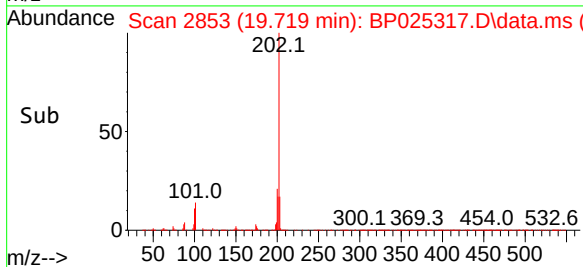
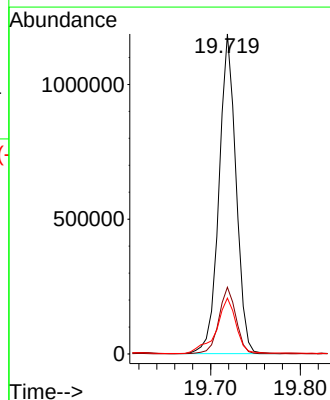
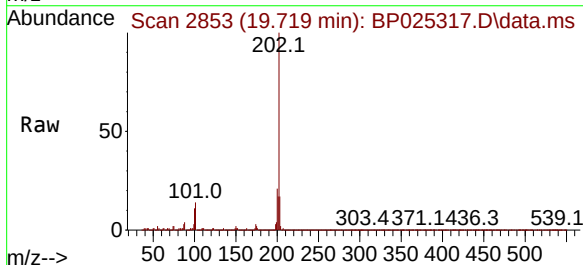
Tgt Ion:202 Resp: 1562022

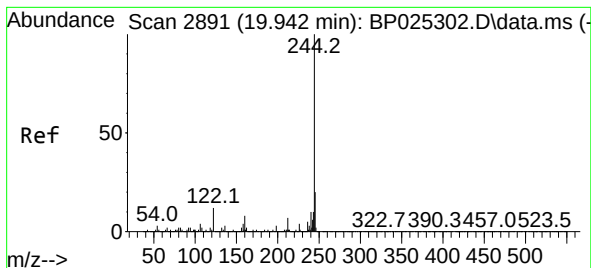
Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

203 17.5 14.1 21.1





#79

Terphenyl-d14

Concen: 10.219 ng

RT: 19.942 min Scan# 2891

Delta R.T. 0.000 min

Lab File: BP025317.D

Acq: 07 Aug 2025 17:12

Instrument :

BNA_P

ClientSampleId :

R5DL

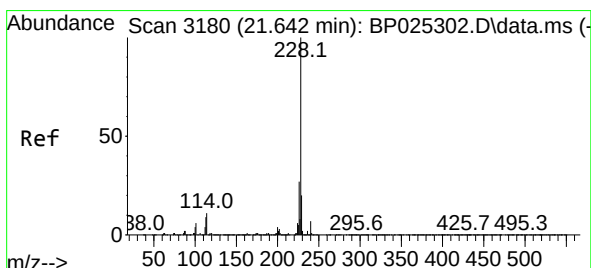
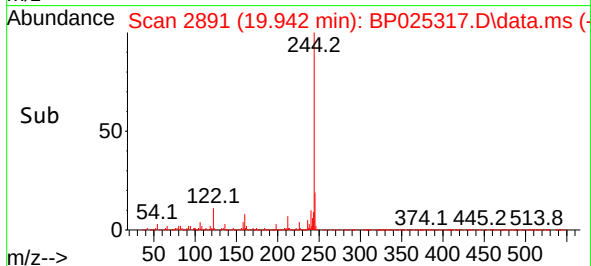
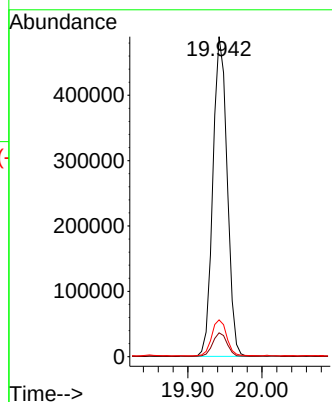
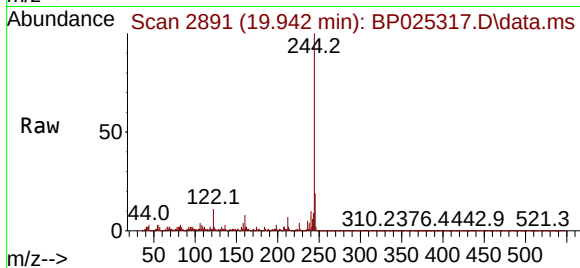
Tgt Ion:244 Resp: 654785

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

122 11.5 9.5 14.3



#81

Benzo(a)anthracene

Concen: 7.887 ng

RT: 21.642 min Scan# 3180

Delta R.T. 0.000 min

Lab File: BP025317.D

Acq: 07 Aug 2025 17:12

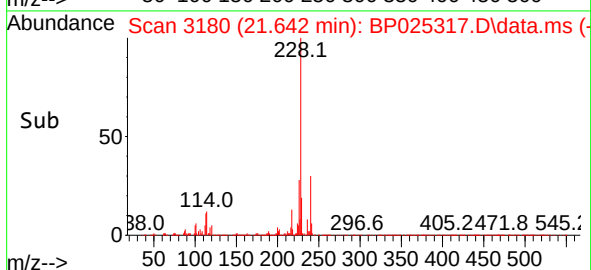
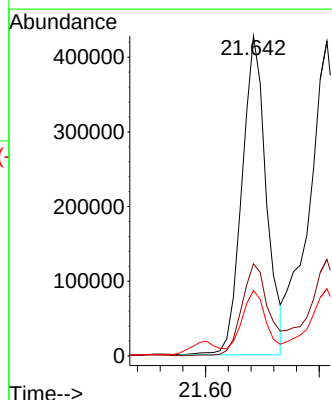
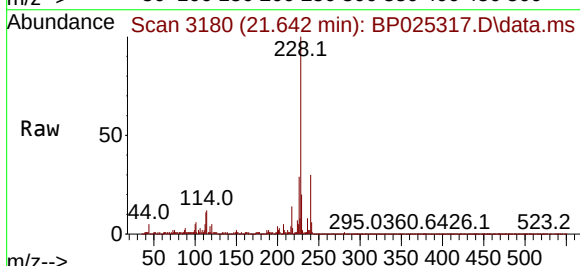
Tgt Ion:228 Resp: 634239

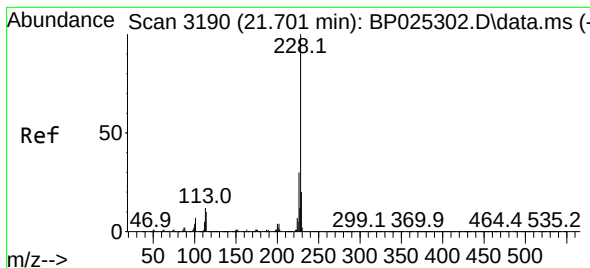
Ion Ratio Lower Upper

228 100

226 28.8 21.8 32.8

229 20.5 16.0 24.0





#83

Chrysene

Concen: 10.107 ng

RT: 21.707 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP025317.D

Acq: 07 Aug 2025 17:12

Instrument :

BNA_P

ClientSampleId :

R5DL

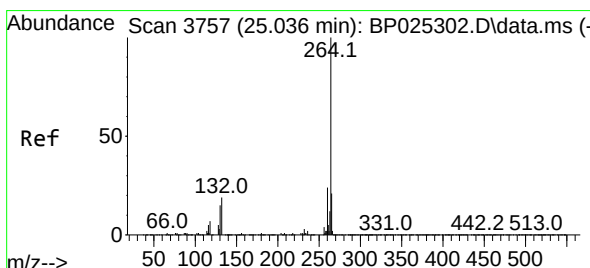
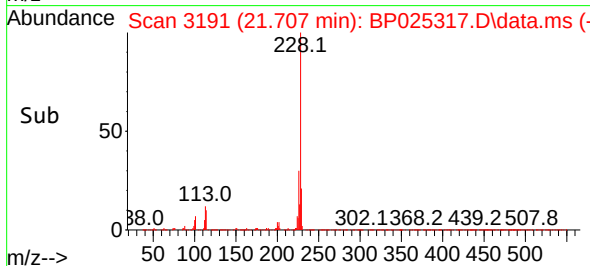
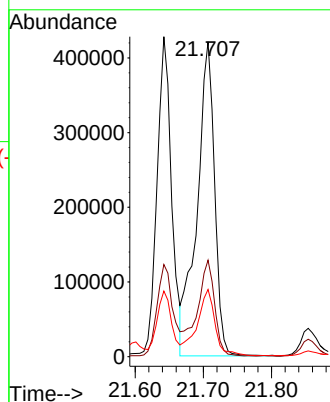
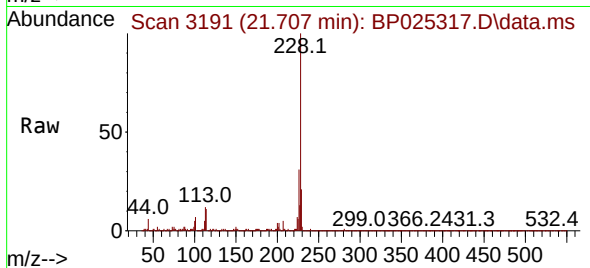
Tgt Ion:228 Resp: 753868

Ion Ratio Lower Upper

228 100

226 30.6 24.3 36.5

229 21.4 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.036 min Scan# 3757

Delta R.T. -0.000 min

Lab File: BP025317.D

Acq: 07 Aug 2025 17:12

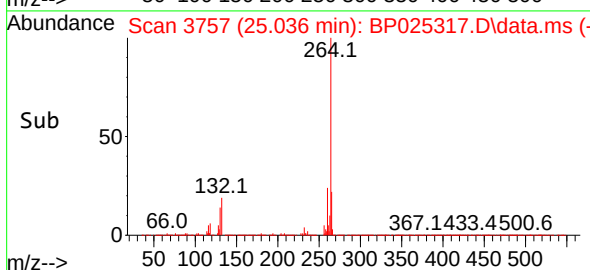
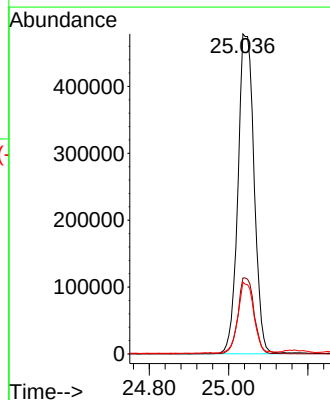
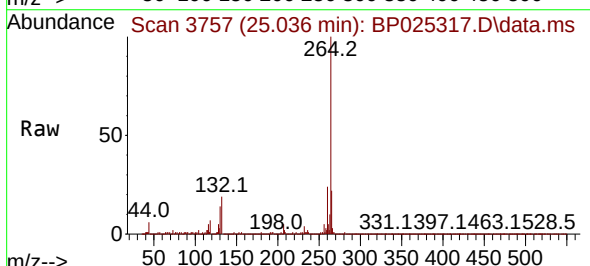
Tgt Ion:264 Resp: 1354209

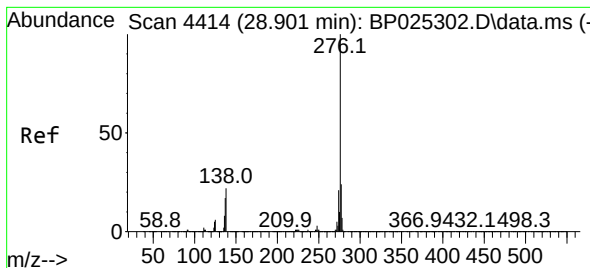
Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 22.4 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.605 ng

RT: 28.865 min Scan# 4414

Delta R.T. -0.036 min

Lab File: BP025317.D

Acq: 07 Aug 2025 17:12

Instrument :

BNA_P

ClientSampleId :

R5DL

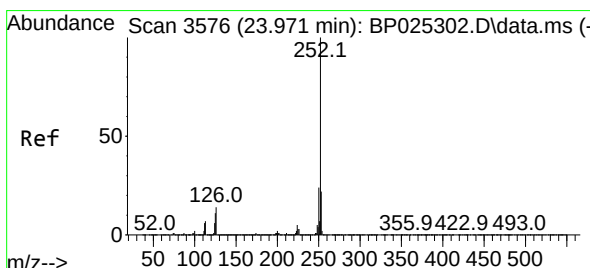
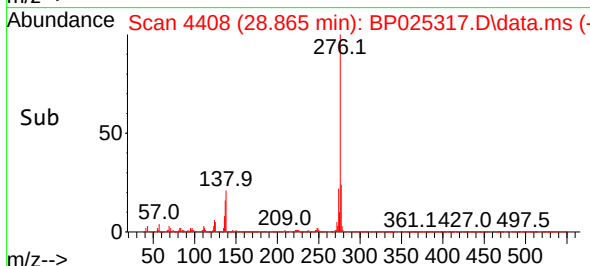
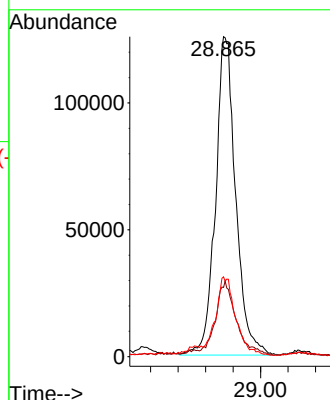
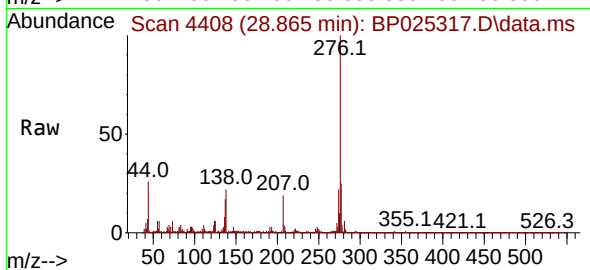
Tgt Ion:276 Resp: 641079

Ion Ratio Lower Upper

276 100

138 23.9 14.6 22.0#

277 24.5 16.8 25.2



#88

Benzo(b)fluoranthene

Concen: 14.178 ng

RT: 23.971 min Scan# 3576

Delta R.T. 0.000 min

Lab File: BP025317.D

Acq: 07 Aug 2025 17:12

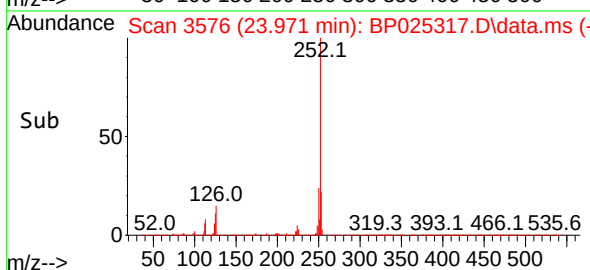
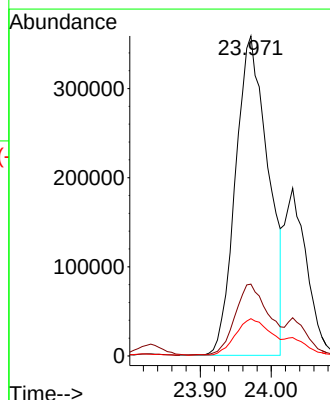
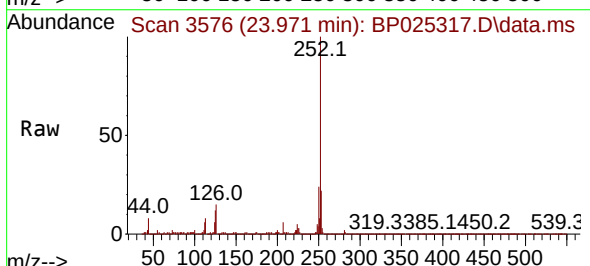
Tgt Ion:252 Resp: 1149372

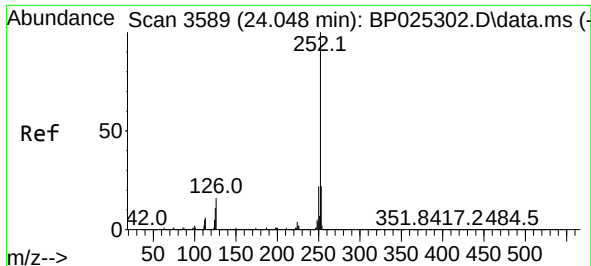
Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 11.7 8.5 12.7

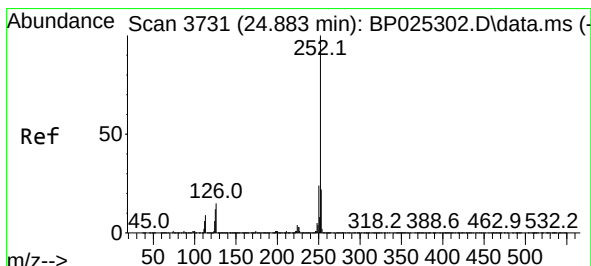
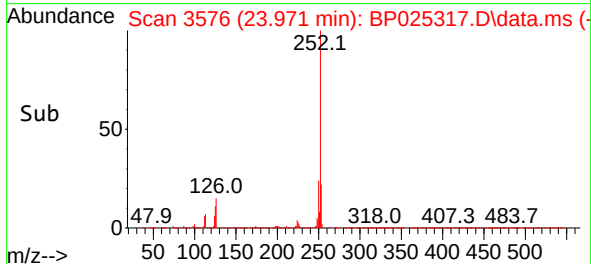
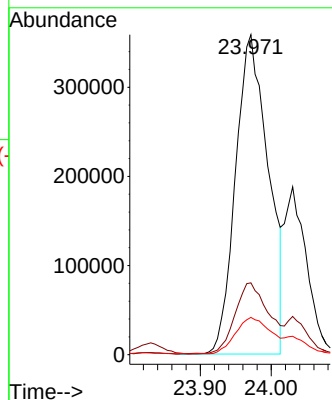
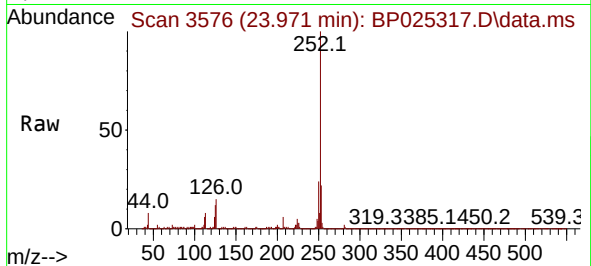




#89
Benzo(k)fluoranthene
Concen: 14.302 ng
RT: 23.971 min Scan# 31
Delta R.T. -0.077 min
Lab File: BP025317.D
Acq: 07 Aug 2025 17:12

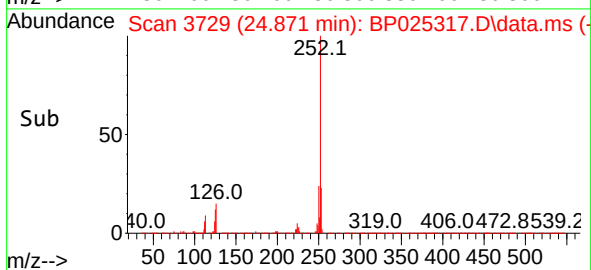
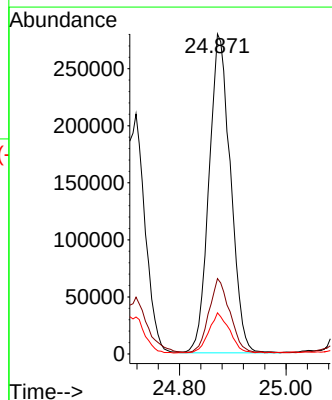
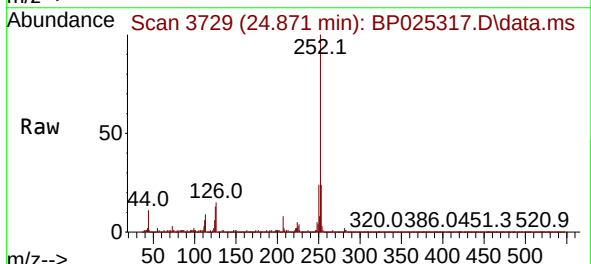
Instrument :
BNA_P
ClientSampleId :
R5DL

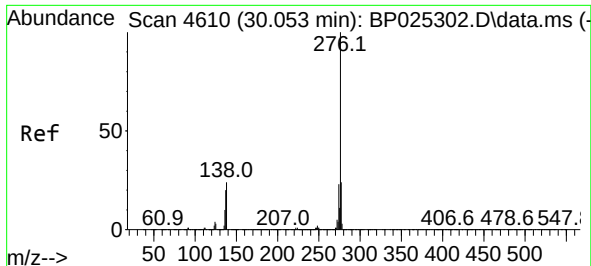
Tgt Ion:252 Resp: 1149372
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 11.7 8.5 12.7



#90
Benzo(a)pyrene
Concen: 10.020 ng
RT: 24.871 min Scan# 3729
Delta R.T. -0.012 min
Lab File: BP025317.D
Acq: 07 Aug 2025 17:12

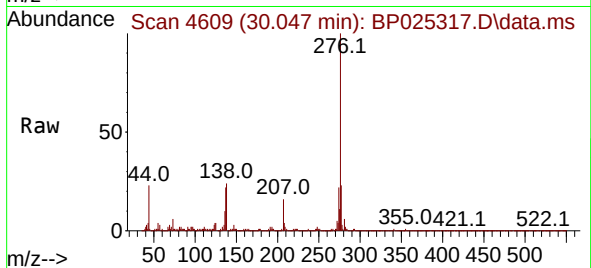
Tgt Ion:252 Resp: 782253
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 12.9 9.4 14.0





#92
Benzo(g,h,i)perylene
Concen: 8.277 ng
RT: 30.047 min Scan# 4609
Delta R.T. -0.006 min
Lab File: BP025317.D
Acq: 07 Aug 2025 17:12

Instrument :
BNA_P
ClientSampleId :
R5DL



Tgt Ion:276 Resp: 645764
Ion Ratio Lower Upper
276 100
277 23.3 19.3 28.9
138 24.4 19.1 28.7

