

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071625\
 Data File : BP025162.D
 Acq On : 16 Jul 2025 17:36
 Operator : CG/JU
 Sample : Q2529-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-80

Quant Time: Jul 16 17:56:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

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

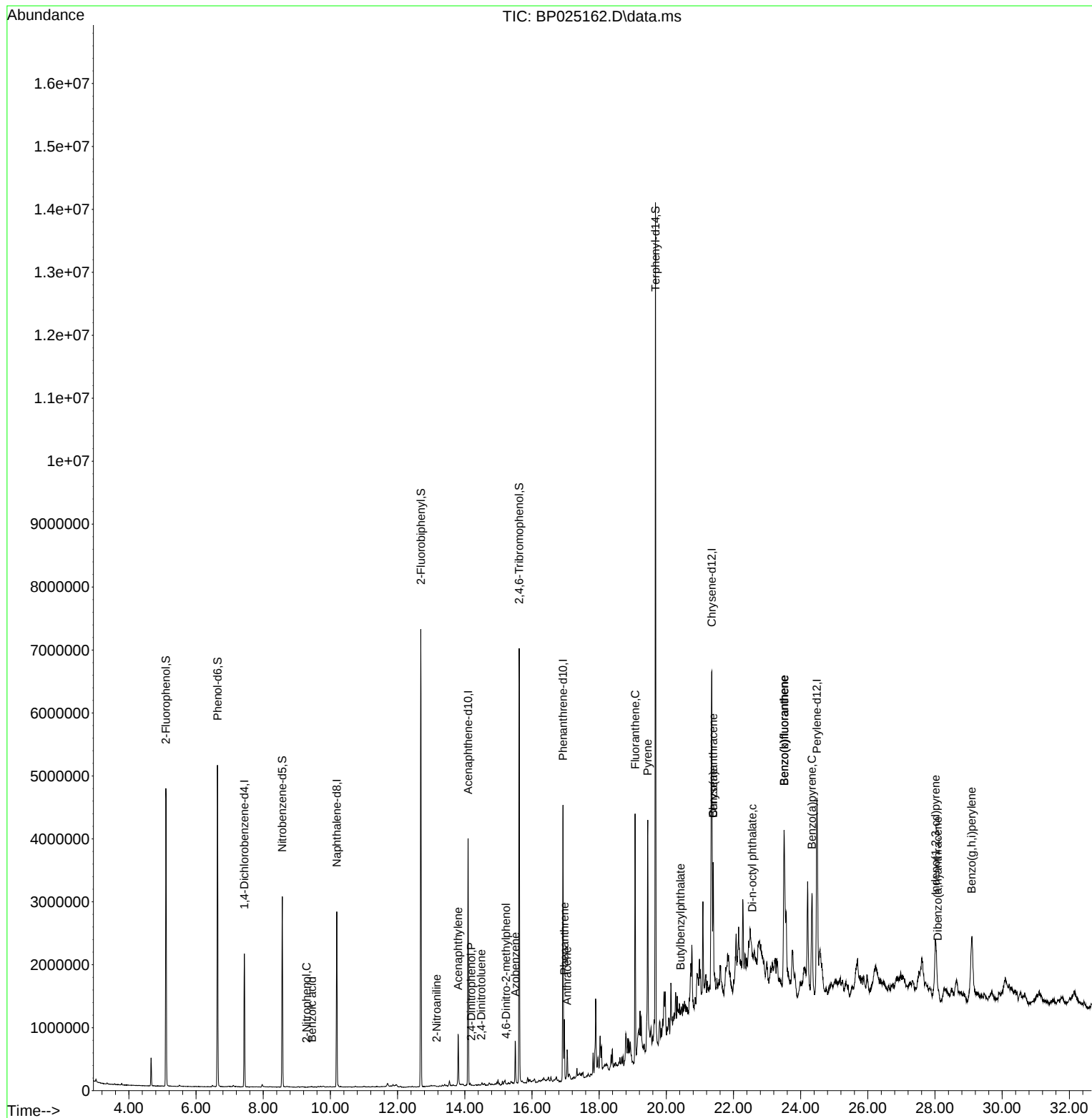
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	576516	20.000	ng	0.00
21) Naphthalene-d8	10.190	136	2197511	20.000	ng	0.00
39) Acenaphthene-d10	14.101	164	1357113	20.000	ng	0.01
64) Phenanthrene-d10	16.925	188	2583318	20.000	ng	0.02
76) Chrysene-d12	21.354	240	2698510	20.000	ng	0.01
86) Perylene-d12	24.483	264	3269618	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.102	112	2210020	67.922	ng	0.00
7) Phenol-d6	6.637	99	2745006	64.648	ng	0.00
23) Nitrobenzene-d5	8.566	82	1604326	48.553	ng	0.00
42) 2,4,6-Tribromophenol	15.619	330	1361637	84.932	ng	0.00
45) 2-Fluorobiphenyl	12.690	172	3828772	43.706	ng	0.00
79) Terphenyl-d14	19.677	244	6264054	51.017	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.284	139	218	3.314	ng	# 1
32) Benzoic acid	9.449	122	3495	6.336	ng	92
48) 2-Nitroaniline	13.160	65	26	2.766	ng	# 36
49) Acenaphthylene	13.801	152	617707	5.438	ng	99
54) 2,4-Dinitrophenol	14.189	184	269	5.413	ng	# 1
57) 2,4-Dinitrotoluene	14.489	165	487	2.654	ng	# 84
63) Azobenzene	15.501	77	170504	2.007	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.225	198	215	5.595	ng	# 1
71) Phenanthrene	16.966	178	590540	4.278	ng	99
72) Anthracene	17.048	178	316535	2.390	ng	98
75) Fluoranthene	19.072	202	2381747	14.761	ng	99
78) Pyrene	19.448	202	2324490	13.907	ng	99
80) Butylbenzylphthalate	20.424	149	3793	3.736	ng	# 50
81) Benzo(a)anthracene	21.395	228	1450811	8.872	ng	96
83) Chrysene	21.395	228	1450811	9.219	ng	99
85) Di-n-octyl phthalate	22.560	149	789	6.103	ng	# 79
87) Indeno(1,2,3-cd)pyrene	28.012	276	1586375	7.616	ng	# 88
88) Benzo(b)fluoranthene	23.507	252	2833477	14.889	ng	99
89) Benzo(k)fluoranthene	23.507	252	2833477	14.964	ng	99
90) Benzo(a)pyrene	24.336	252	1559350	9.627	ng	98
91) Dibenzo(a,h)anthracene	28.077	278	376682	2.188	ng	# 90
92) Benzo(g,h,i)perylene	29.089	276	1498299	8.424	ng	99

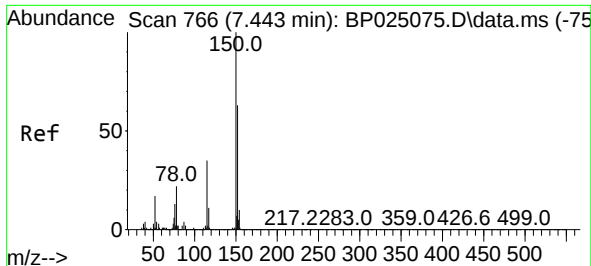
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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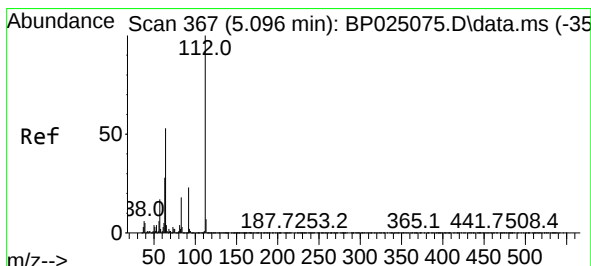
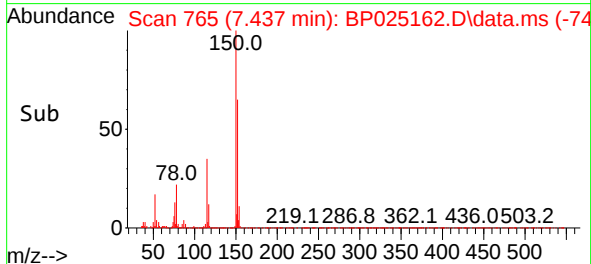
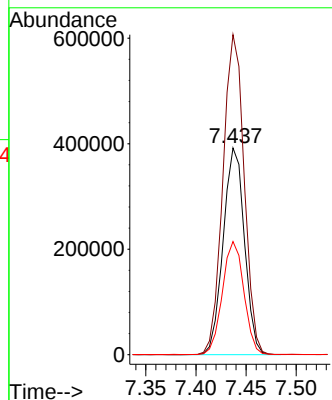
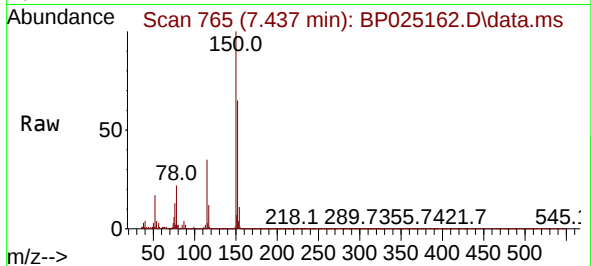




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.437 min Scan# 70
Delta R.T. -0.006 min
Lab File: BP025162.D
Acq: 16 Jul 2025 17:36

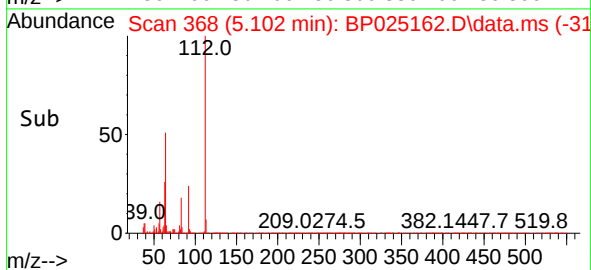
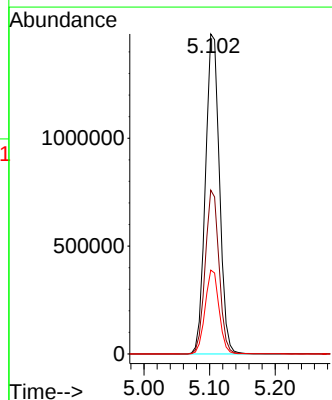
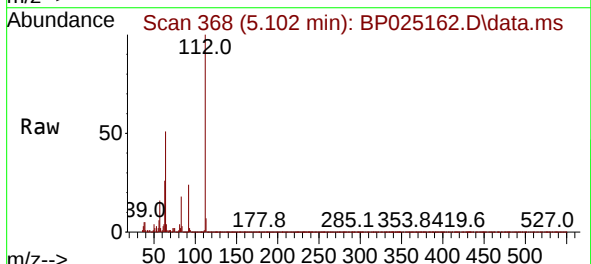
Instrument :
BNA_P
ClientSampleId :
TP-80

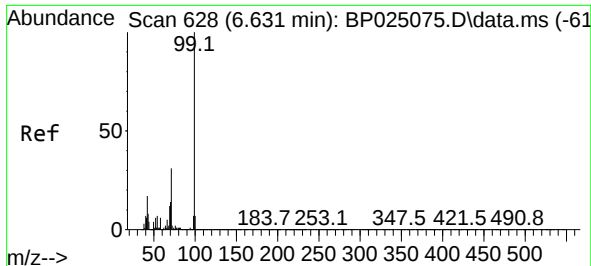
Tgt Ion:152 Resp: 576516
Ion Ratio Lower Upper
152 100
150 154.8 126.1 189.1
115 54.7 44.3 66.5



#5
2-Fluorophenol
Concen: 67.922 ng
RT: 5.102 min Scan# 368
Delta R.T. 0.006 min
Lab File: BP025162.D
Acq: 16 Jul 2025 17:36

Tgt Ion:112 Resp: 2210020
Ion Ratio Lower Upper
112 100
64 51.2 42.0 63.0
63 26.2 22.2 33.2

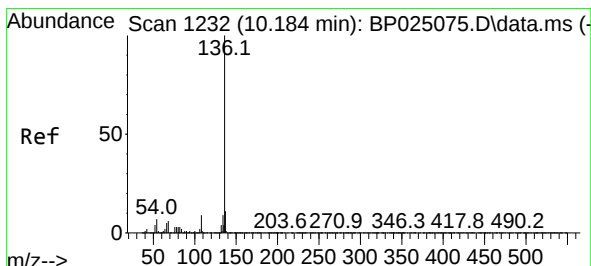
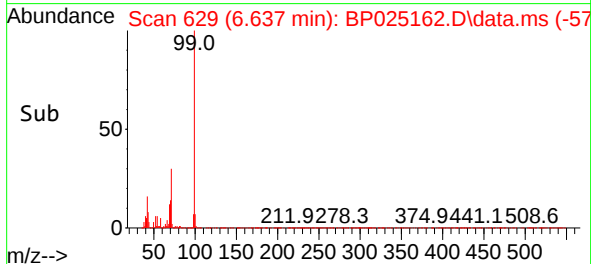
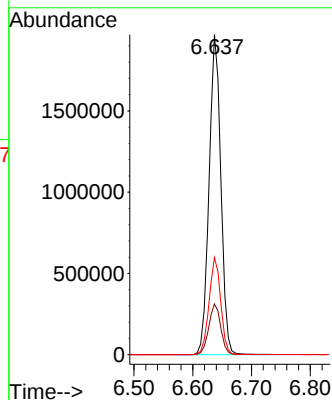
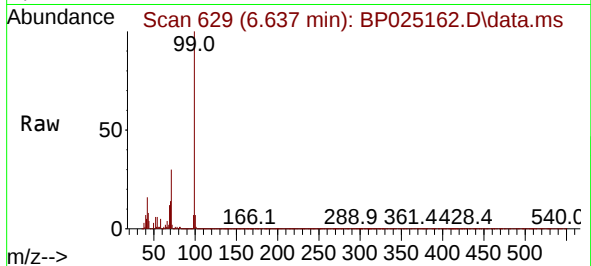




#7
Phenol-d6
Concen: 64.648 ng
RT: 6.637 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025162.D
Acq: 16 Jul 2025 17:36

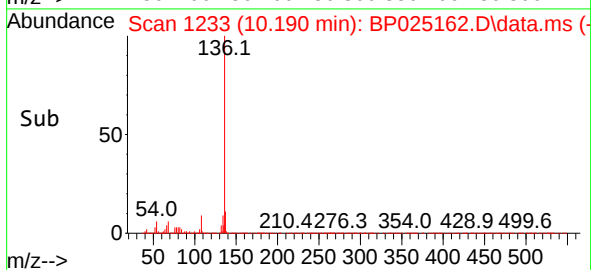
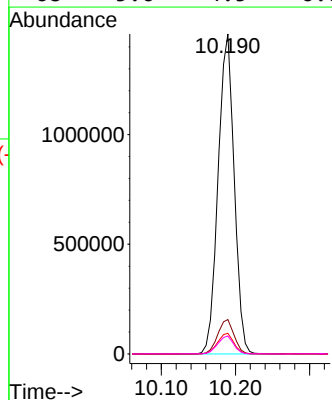
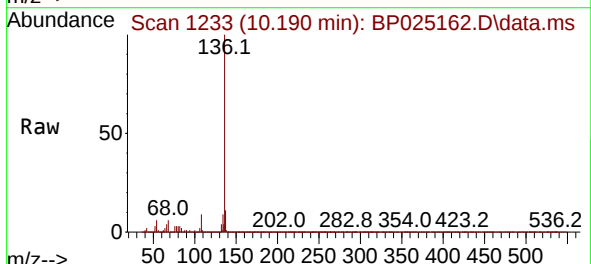
Instrument :
BNA_P
ClientSampleId :
TP-80

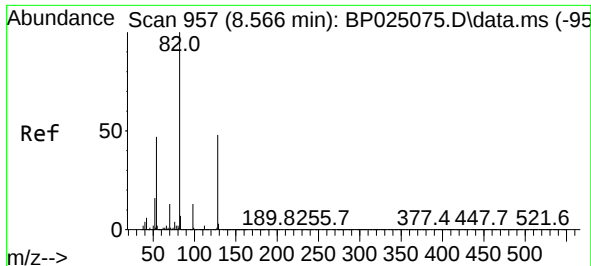
Tgt Ion: 99 Resp: 2745006
Ion Ratio Lower Upper
99 100
42 15.9 13.6 20.4
71 30.4 24.4 36.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.190 min Scan# 1233
Delta R.T. 0.006 min
Lab File: BP025162.D
Acq: 16 Jul 2025 17:36

Tgt Ion: 136 Resp: 2197511
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 6.4 5.4 8.2
68 5.6 4.5 6.7

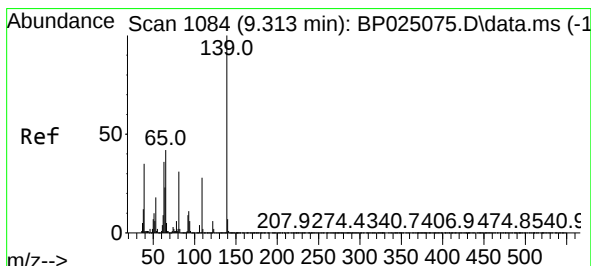
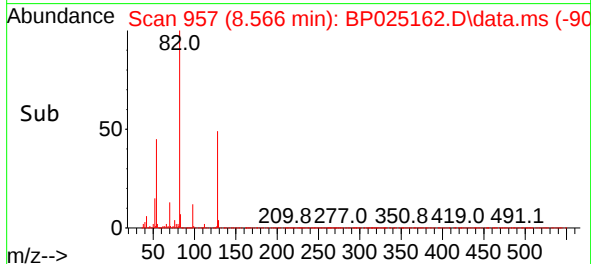
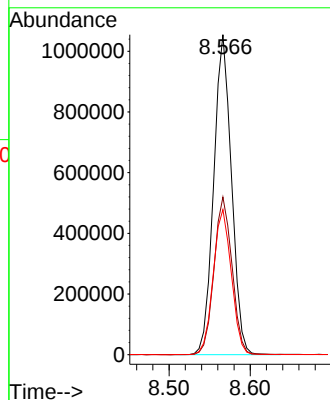
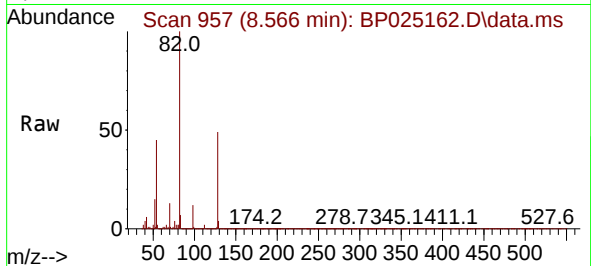




#23
Nitrobenzene-d5
Concen: 48.553 ng
RT: 8.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP025162.D
Acq: 16 Jul 2025 17:36

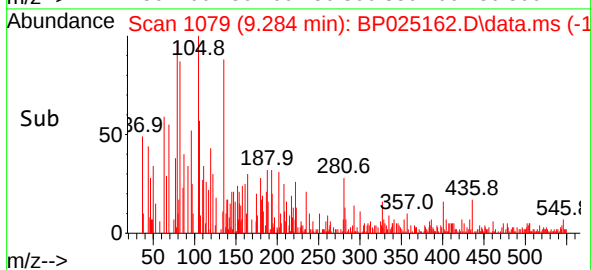
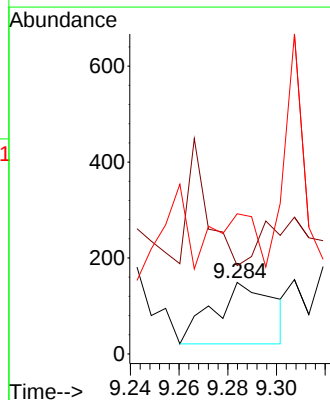
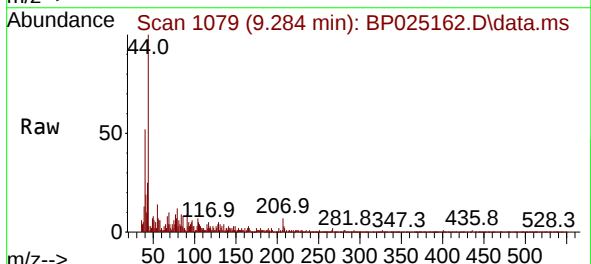
Instrument :
BNA_P
ClientSampleId :
TP-80

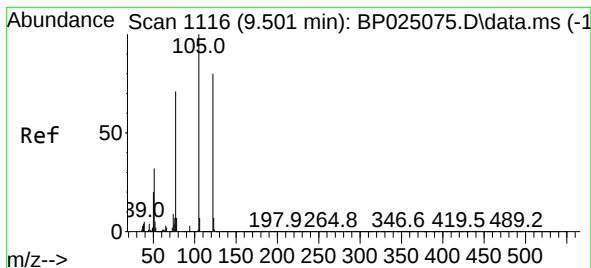
Tgt Ion: 82 Resp: 1604326
Ion Ratio Lower Upper
82 100
128 49.2 38.4 57.6
54 45.3 37.8 56.6



#26
2-Nitrophenol
Concen: 3.314 ng
RT: 9.284 min Scan# 1079
Delta R.T. -0.029 min
Lab File: BP025162.D
Acq: 16 Jul 2025 17:36

Tgt Ion:139 Resp: 218
Ion Ratio Lower Upper
139 100
109 123.5 22.3 33.5#
65 196.0 33.8 50.8#





#32

Benzoic acid

Concen: 6.336 ng

RT: 9.449 min Scan# 1116

Delta R.T. -0.052 min

Lab File: BP025162.D

Acq: 16 Jul 2025 17:36

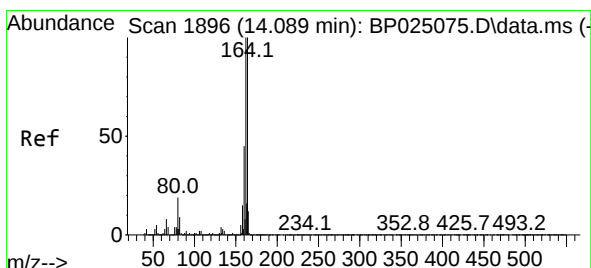
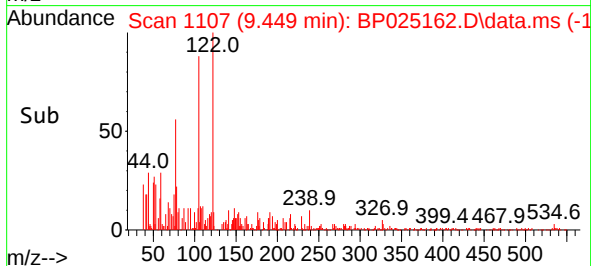
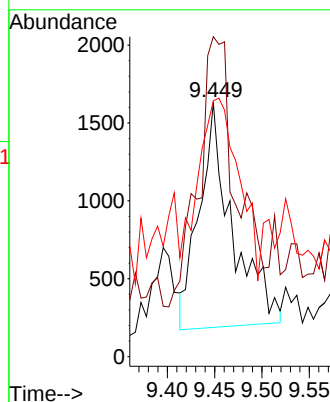
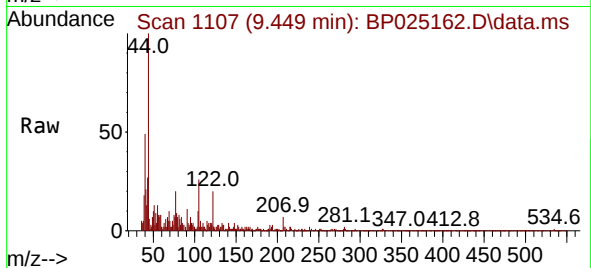
Instrument :

BNA_P

ClientSampleId :

TP-80

Tgt Ion:	122	Resp:	3495
Ion	Ratio	Lower	Upper
122	100		
105	125.8	101.0	141.0
77	100.6	67.6	107.6



#39

Acenaphthene-d10

Concen: 20.000 ng

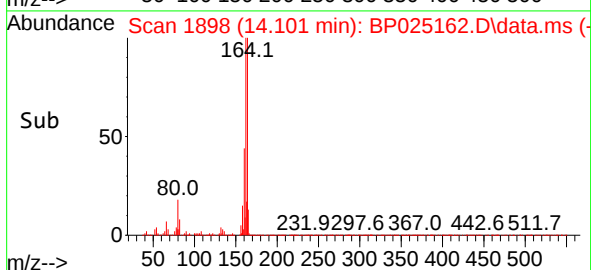
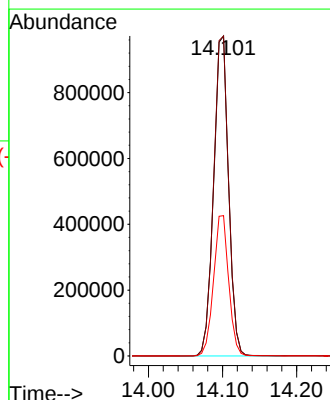
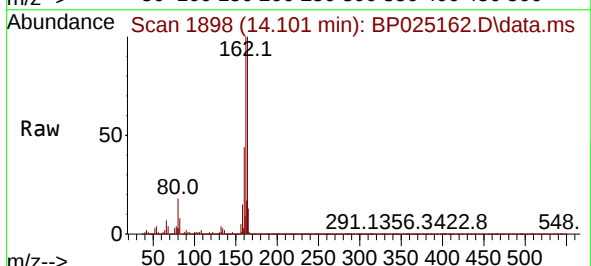
RT: 14.101 min Scan# 1898

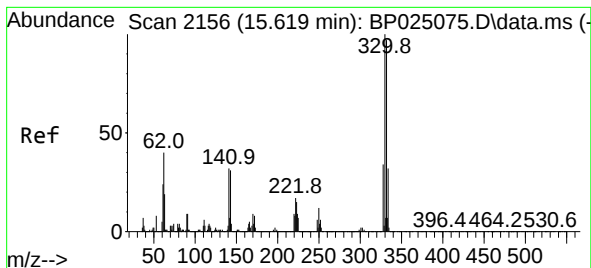
Delta R.T. 0.012 min

Lab File: BP025162.D

Acq: 16 Jul 2025 17:36

Tgt Ion:	164	Resp:	1357113
Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.3	120.5
160	43.9	35.9	53.9





#42

2,4,6-Tribromophenol

Concen: 84.932 ng

RT: 15.619 min Scan# 2156

Delta R.T. 0.000 min

Lab File: BP025162.D

Acq: 16 Jul 2025 17:36

Instrument :

BNA_P

ClientSampleId :

TP-80

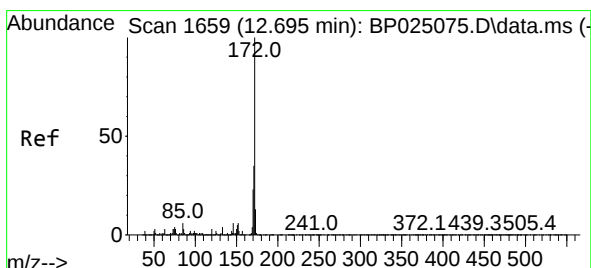
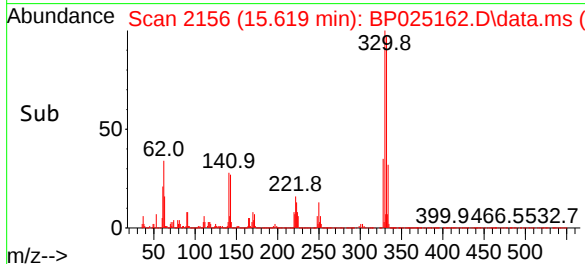
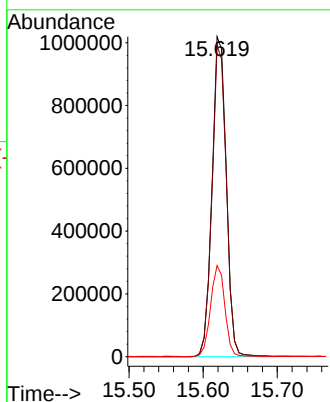
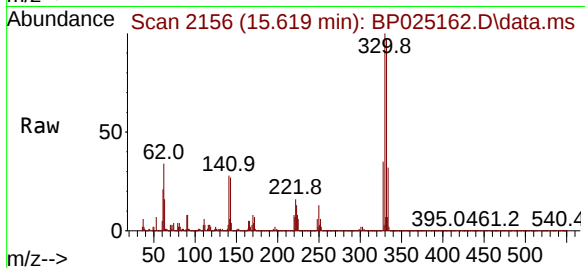
Tgt Ion:330 Resp: 1361637

Ion Ratio Lower Upper

330 100

332 97.3 77.7 116.5

141 28.3 26.0 39.0



#45

2-Fluorobiphenyl

Concen: 43.706 ng

RT: 12.690 min Scan# 1658

Delta R.T. -0.006 min

Lab File: BP025162.D

Acq: 16 Jul 2025 17:36

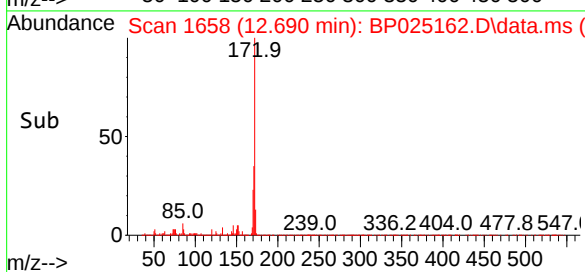
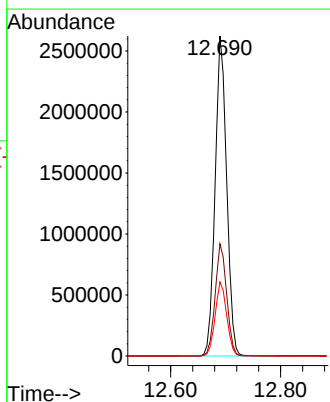
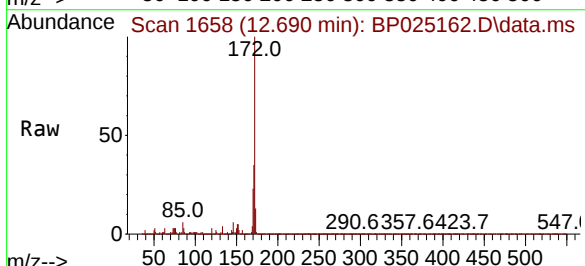
Tgt Ion:172 Resp: 3828772

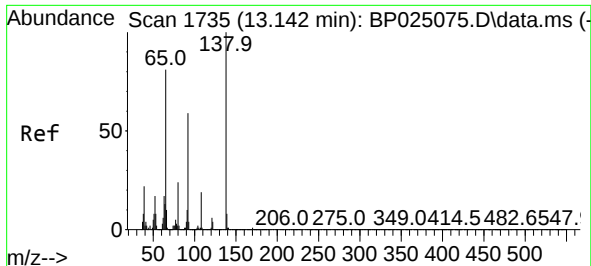
Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.2

170 23.1 18.7 28.1

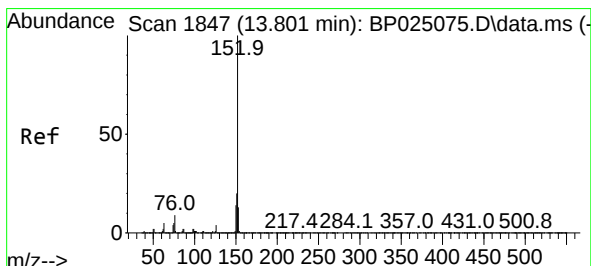
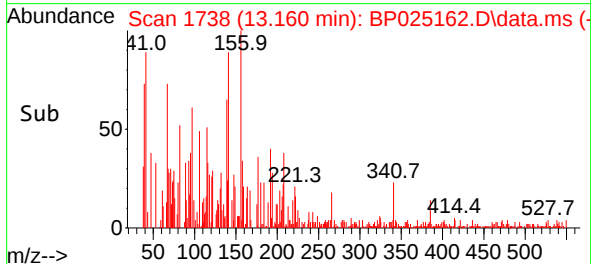
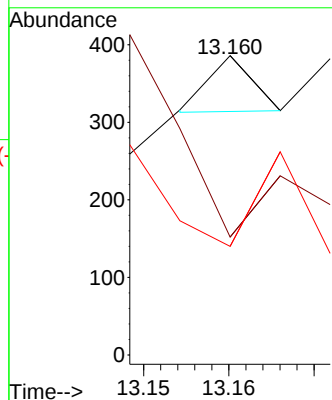
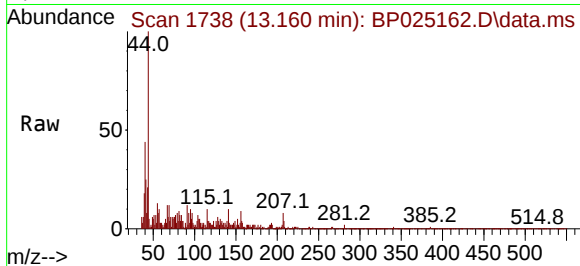




#48
2-Nitroaniline
Concen: 2.766 ng
RT: 13.160 min Scan# 1738
Delta R.T. 0.018 min
Lab File: BP025162.D
Acq: 16 Jul 2025 17:36

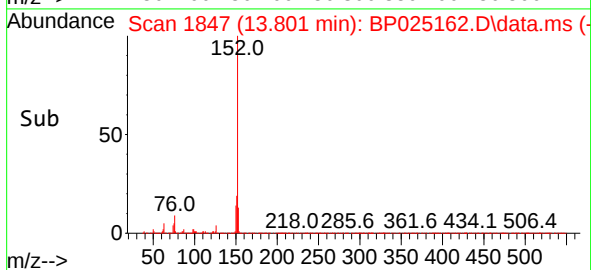
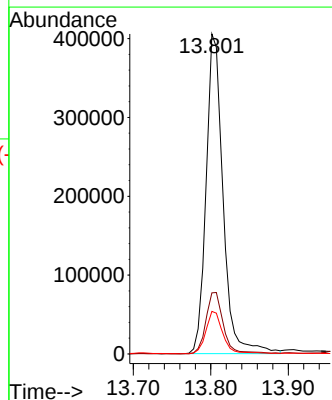
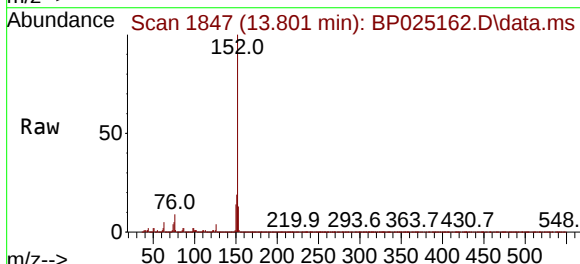
Instrument :
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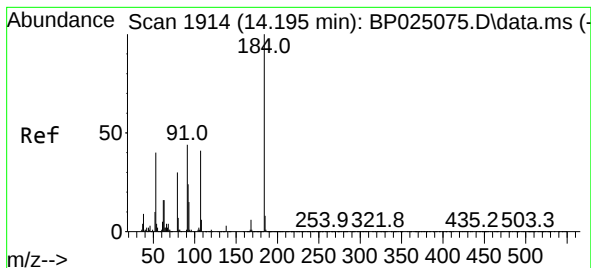
Tgt Ion: 65 Resp: 26
Ion Ratio Lower Upper
65 100
92 39.4 58.7 88.1#
138 36.3 99.0 148.4#



#49
Acenaphthylene
Concen: 5.438 ng
RT: 13.801 min Scan# 1847
Delta R.T. 0.000 min
Lab File: BP025162.D
Acq: 16 Jul 2025 17:36

Tgt Ion: 152 Resp: 617707
Ion Ratio Lower Upper
152 100
151 19.1 16.1 24.1
153 13.3 10.7 16.1





#54

2,4-Dinitrophenol

Concen: 5.413 ng

RT: 14.189 min Scan# 1914

Delta R.T. -0.006 min

Lab File: BP025162.D

Acq: 16 Jul 2025 17:36

Instrument :

BNA_P

ClientSampleId :

TP-80

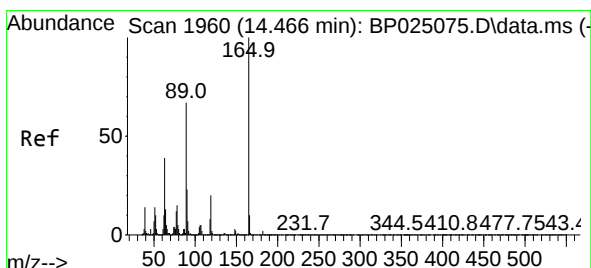
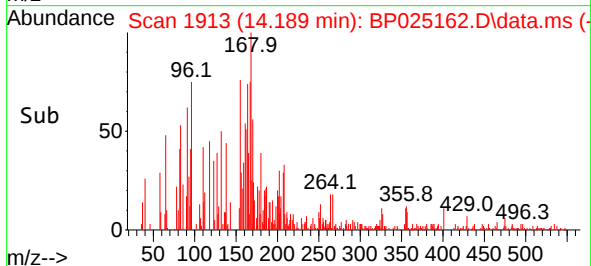
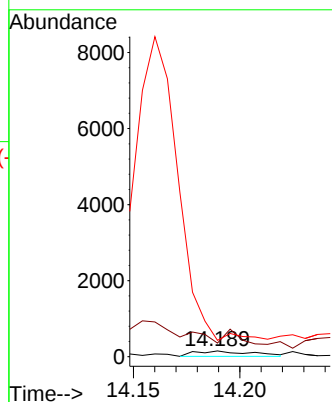
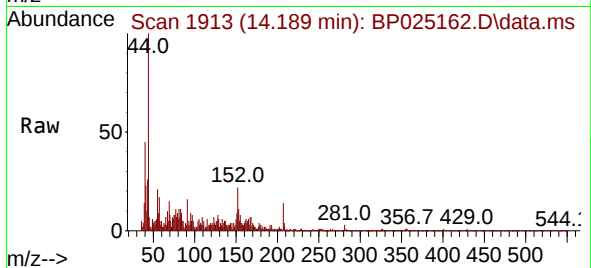
Tgt Ion:184 Resp: 269

Ion Ratio Lower Upper

184 100

63 237.1 47.4 71.0#

154 283.4 47.8 71.8#



#57

2,4-Dinitrotoluene

Concen: 2.654 ng

RT: 14.489 min Scan# 1964

Delta R.T. 0.023 min

Lab File: BP025162.D

Acq: 16 Jul 2025 17:36

Tgt Ion:165 Resp: 487

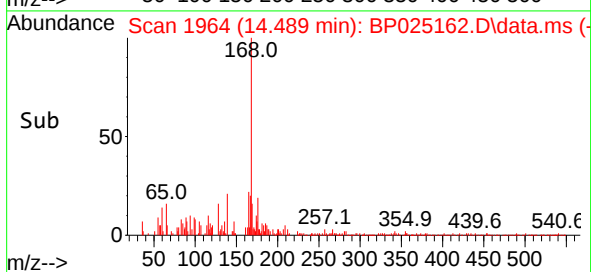
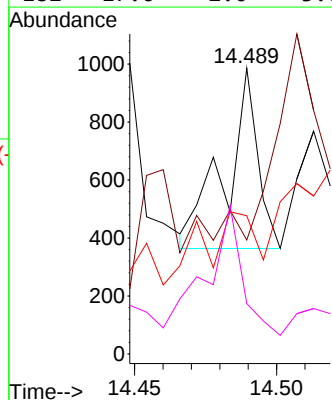
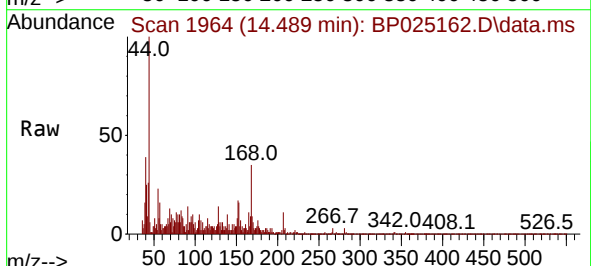
Ion Ratio Lower Upper

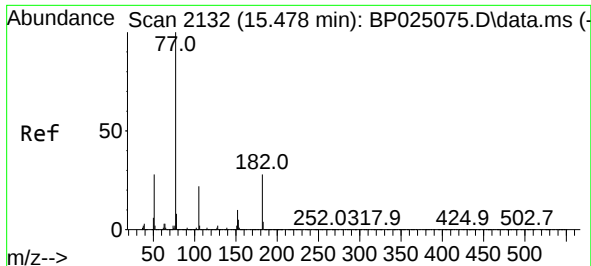
165 100

63 39.9 31.0 46.4

89 48.4 53.4 80.0#

182 17.6 2.0 3.0#

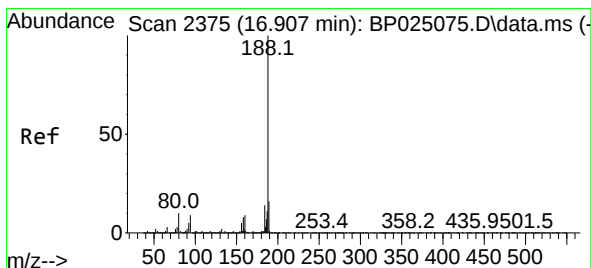
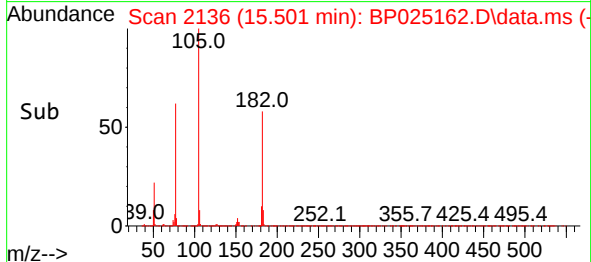
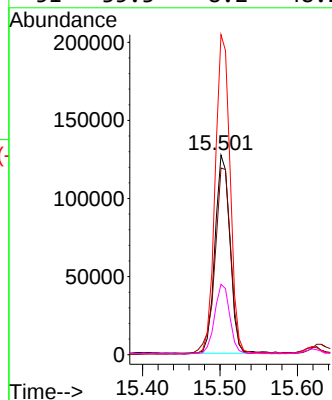
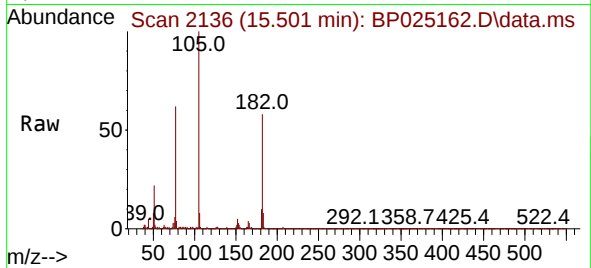




#63
Azobenzene
Concen: 2.007 ng
RT: 15.501 min Scan# 2136
Delta R.T. 0.024 min
Lab File: BP025162.D
Acq: 16 Jul 2025 17:36

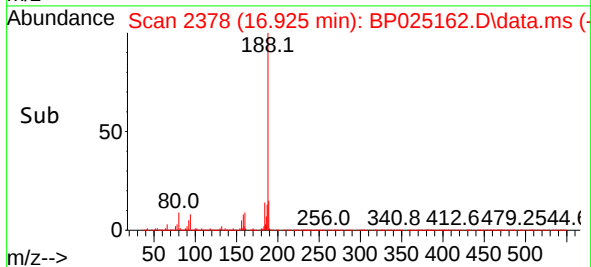
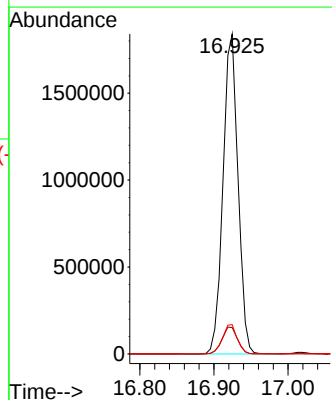
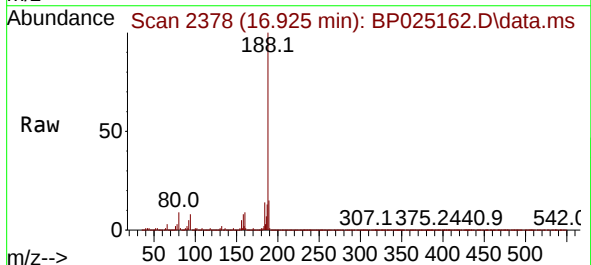
Instrument :
BNA_P
ClientSampleId :
TP-80

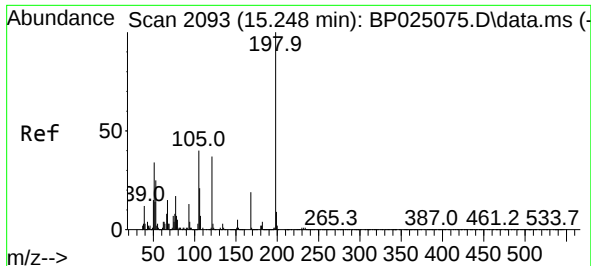
Tgt Ion: 77 Resp: 170504
Ion Ratio Lower Upper
77 100
182 93.6 7.7 47.7#
105 160.4 1.9 41.9#
51 35.3 8.2 48.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.925 min Scan# 2378
Delta R.T. 0.018 min
Lab File: BP025162.D
Acq: 16 Jul 2025 17:36

Tgt Ion:188 Resp: 2583318
Ion Ratio Lower Upper
188 100
94 8.3 7.3 10.9
80 9.1 7.8 11.6

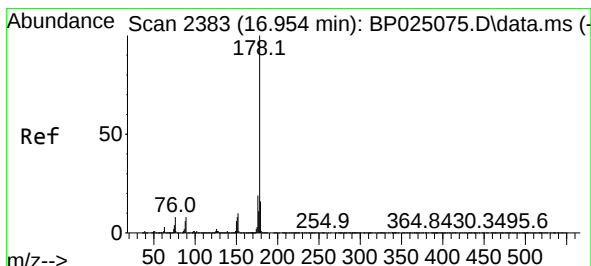
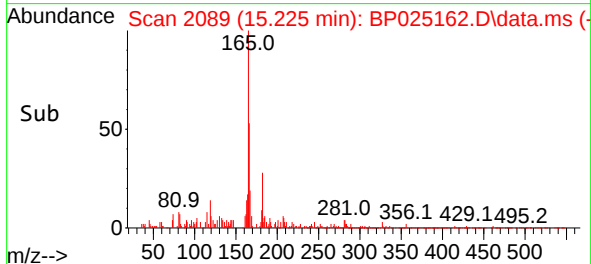
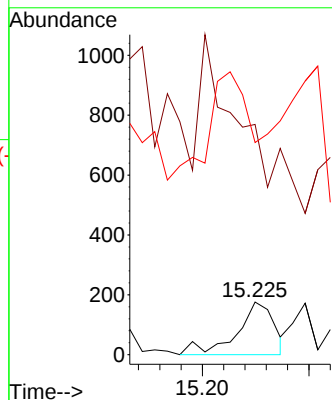
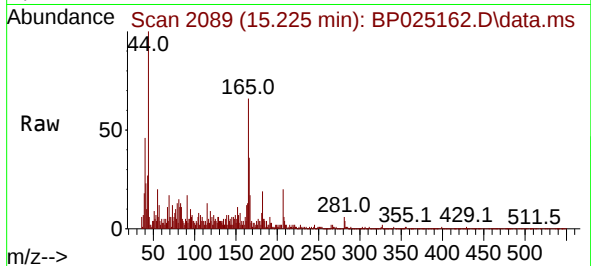




#65
4,6-Dinitro-2-methylphenol
Concen: 5.595 ng
RT: 15.225 min Scan# 2093
Delta R.T. -0.023 min
Lab File: BP025162.D
Acq: 16 Jul 2025 17:36

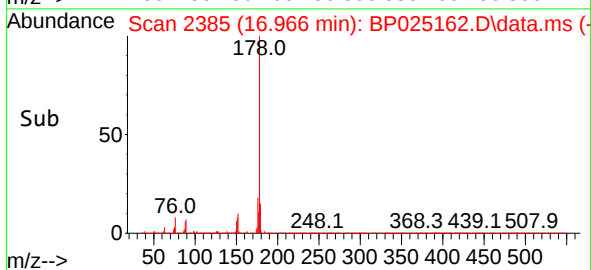
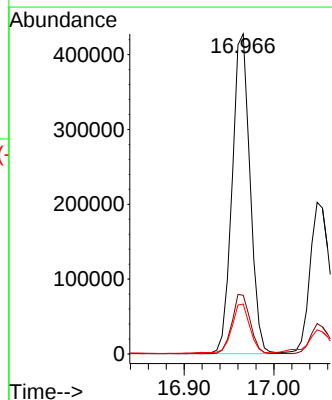
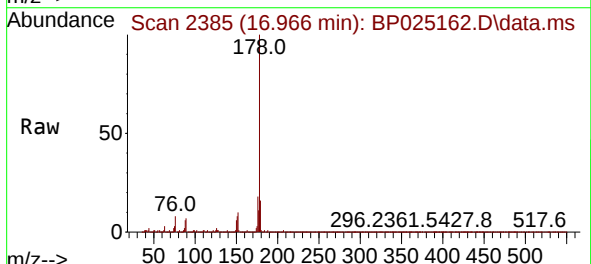
Instrument :
BNA_P
ClientSampleId :
TP-80

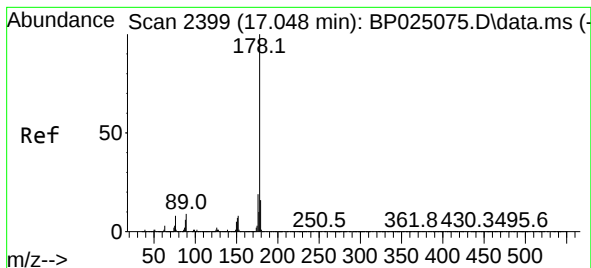
Tgt Ion:198 Resp: 215
Ion Ratio Lower Upper
198 100
51 436.9 16.8 56.8#
105 402.8 20.8 60.8#



#71
Phenanthrene
Concen: 4.278 ng
RT: 16.966 min Scan# 2385
Delta R.T. 0.012 min
Lab File: BP025162.D
Acq: 16 Jul 2025 17:36

Tgt Ion:178 Resp: 590540
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 15.6 12.6 19.0





#72

Anthracene

Concen: 2.390 ng

RT: 17.048 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025162.D

Acq: 16 Jul 2025 17:36

Instrument :

BNA_P

ClientSampleId :

TP-80

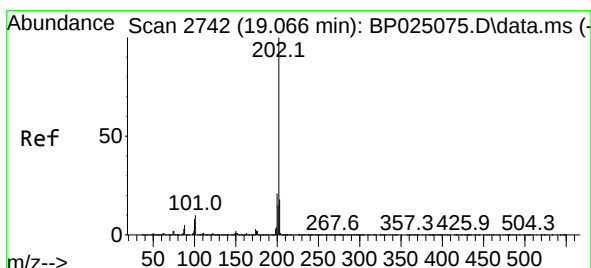
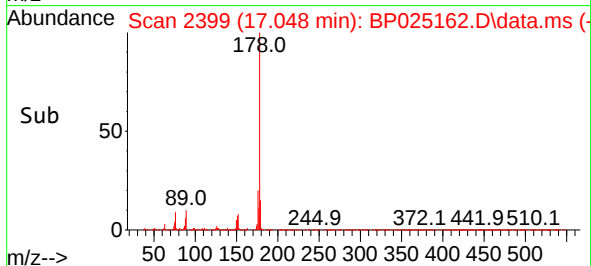
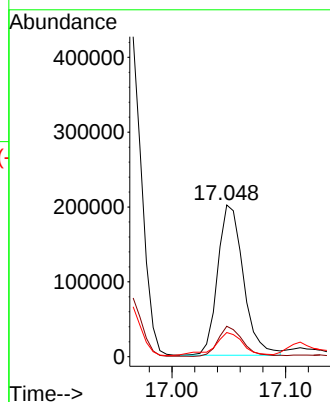
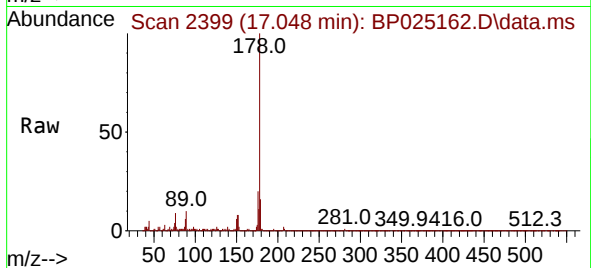
Tgt Ion:178 Resp: 316535

Ion Ratio Lower Upper

178 100

176 20.0 15.0 22.6

179 15.9 12.5 18.7



#75

Fluoranthene

Concen: 14.761 ng

RT: 19.072 min Scan# 2743

Delta R.T. 0.006 min

Lab File: BP025162.D

Acq: 16 Jul 2025 17:36

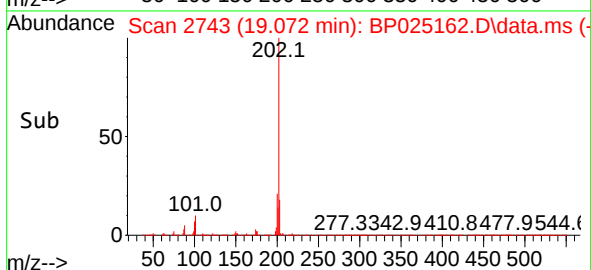
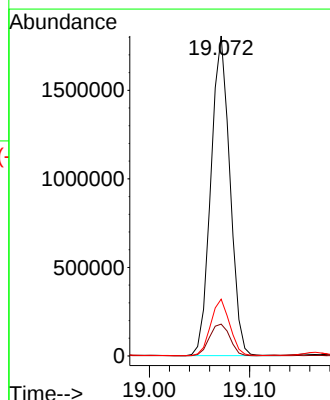
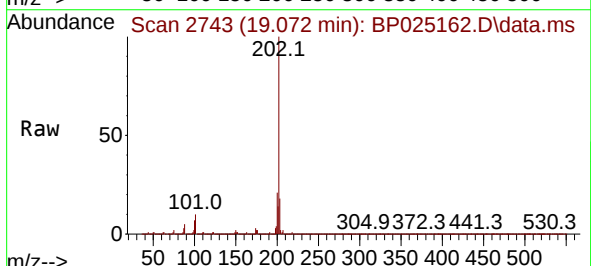
Tgt Ion:202 Resp: 2381747

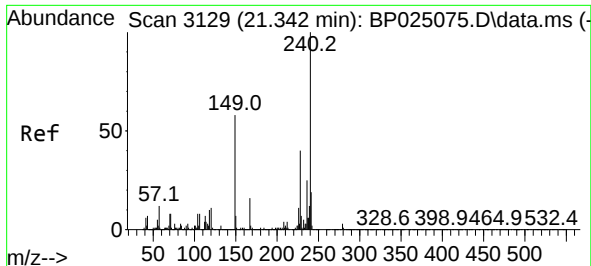
Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.4

203 17.8 0.0 37.6

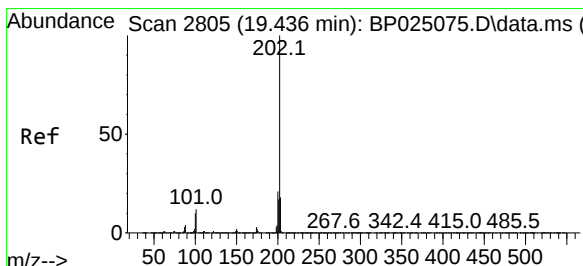
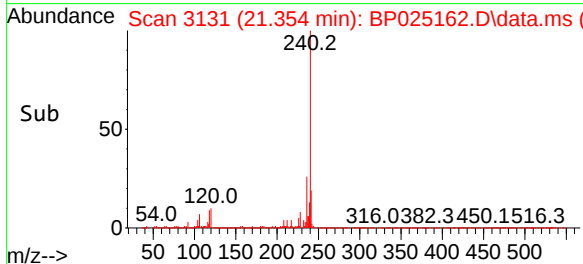
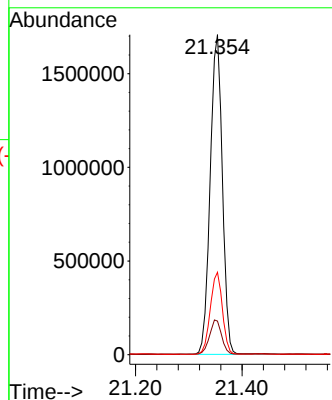
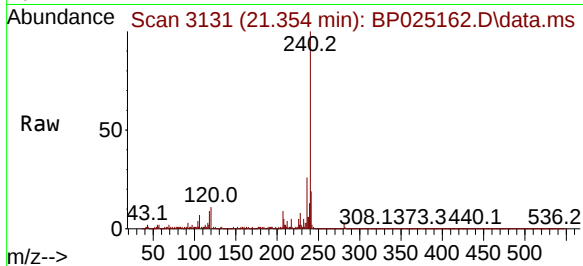




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.354 min Scan# 3129
Delta R.T. 0.012 min
Lab File: BP025162.D
Acq: 16 Jul 2025 17:36

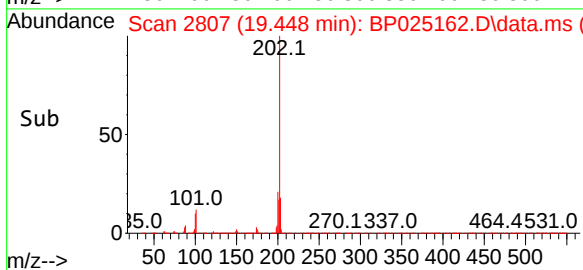
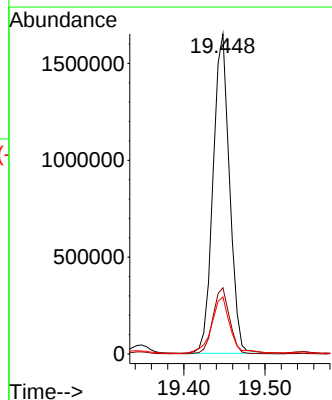
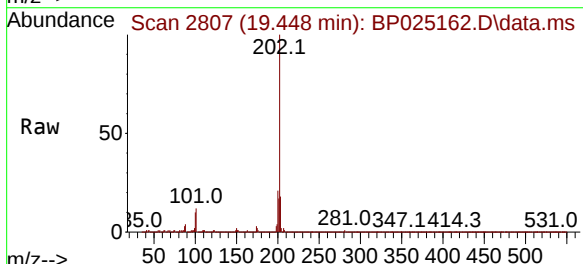
Instrument :
BNA_P
ClientSampleId :
TP-80

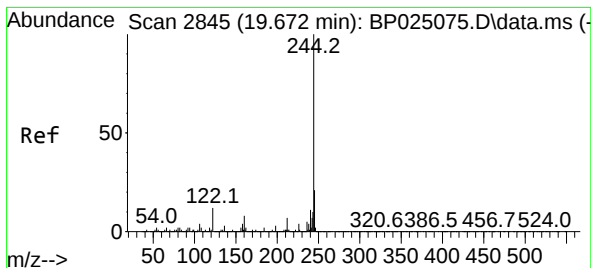
Tgt Ion:240 Resp: 2698510
Ion Ratio Lower Upper
240 100
120 10.5 9.0 13.4
236 25.7 20.3 30.5



#78
Pyrene
Concen: 13.907 ng
RT: 19.448 min Scan# 2807
Delta R.T. 0.012 min
Lab File: BP025162.D
Acq: 16 Jul 2025 17:36

Tgt Ion:202 Resp: 2324490
Ion Ratio Lower Upper
202 100
200 20.7 17.1 25.7
203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 51.017 ng

RT: 19.677 min Scan# 2845

Delta R.T. 0.006 min

Lab File: BP025162.D

Acq: 16 Jul 2025 17:36

Instrument :

BNA_P

ClientSampleId :

TP-80

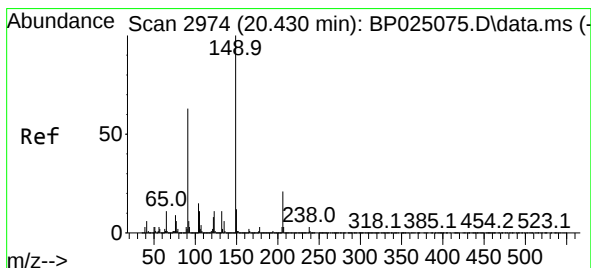
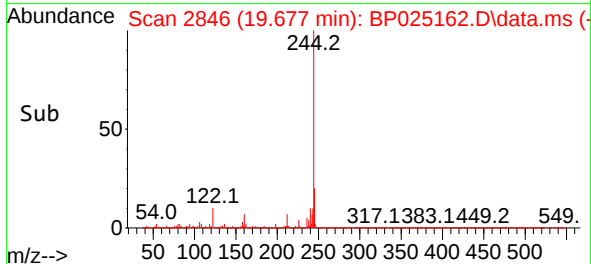
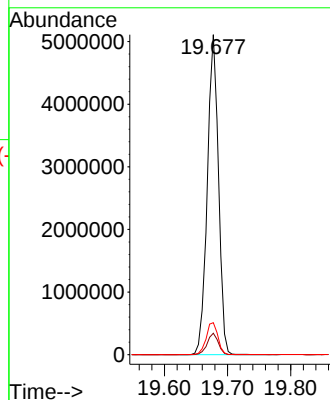
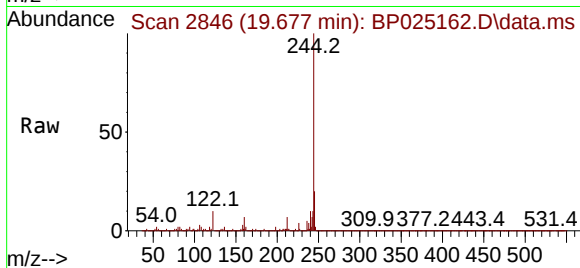
Tgt Ion:244 Resp: 6264054

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

122 10.0 9.4 14.2



#80

Butylbenzylphthalate

Concen: 3.736 ng

RT: 20.424 min Scan# 2973

Delta R.T. -0.006 min

Lab File: BP025162.D

Acq: 16 Jul 2025 17:36

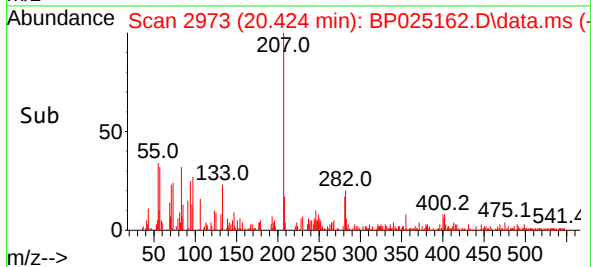
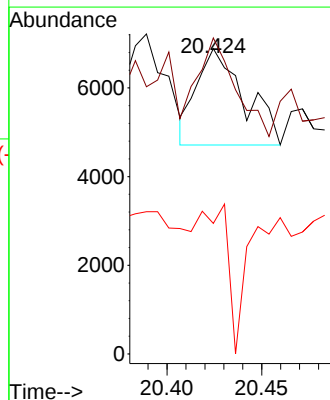
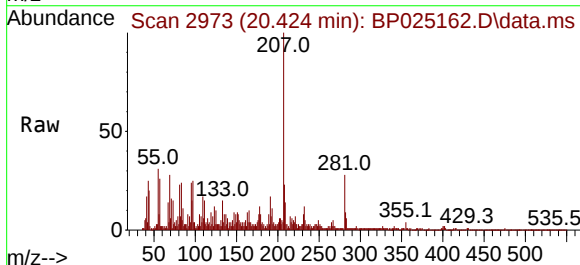
Tgt Ion:149 Resp: 3793

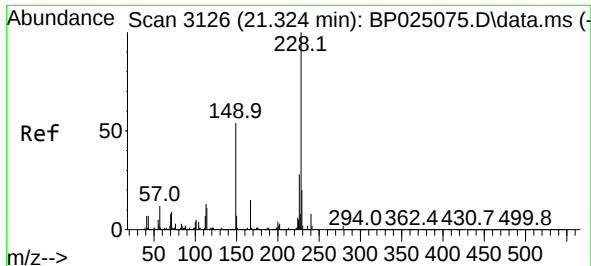
Ion Ratio Lower Upper

149 100

91 103.5 50.6 76.0#

206 42.8 17.2 25.8#

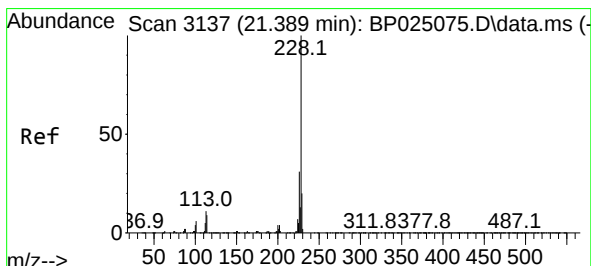
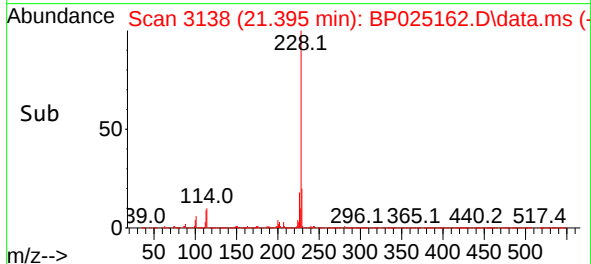
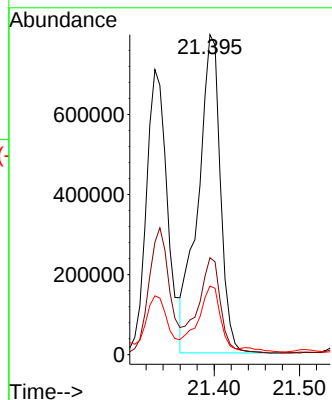
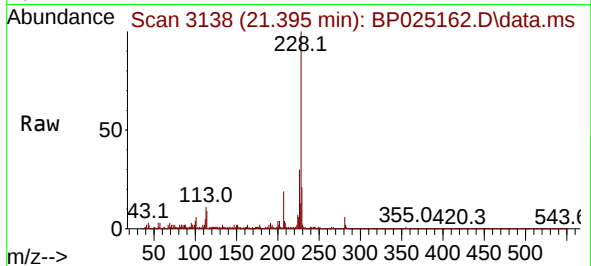




#81
Benzo(a)anthracene
Concen: 8.872 ng
RT: 21.395 min Scan# 3126
Delta R.T. 0.071 min
Lab File: BP025162.D
Acq: 16 Jul 2025 17:36

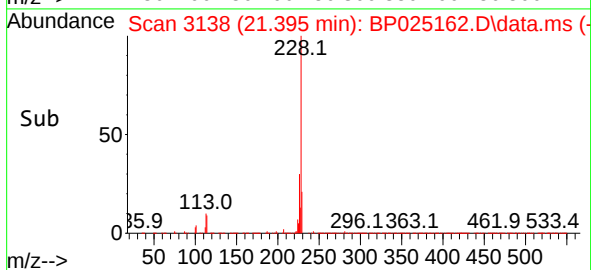
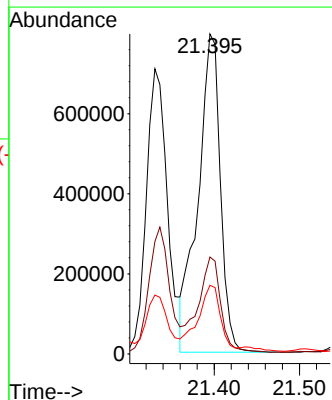
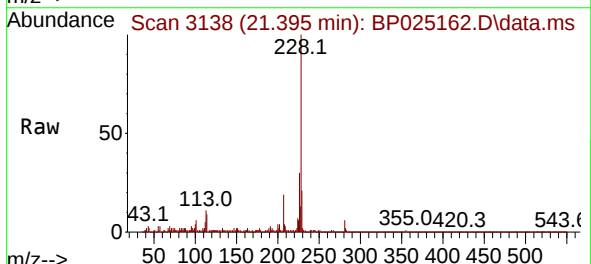
Instrument :
BNA_P
ClientSampleId :
TP-80

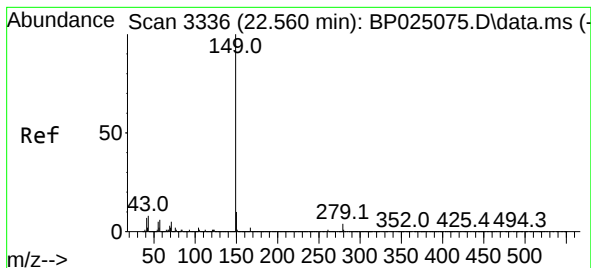
Tgt Ion:228 Resp: 1450811
Ion Ratio Lower Upper
228 100
226 30.3 22.1 33.1
229 21.5 16.0 24.0



#83
Chrysene
Concen: 9.219 ng
RT: 21.395 min Scan# 3138
Delta R.T. 0.006 min
Lab File: BP025162.D
Acq: 16 Jul 2025 17:36

Tgt Ion:228 Resp: 1450811
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 21.5 16.0 24.0





#85

Di-n-octyl phthalate

Concen: 6.103 ng

RT: 22.560 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP025162.D

Acq: 16 Jul 2025 17:36

Instrument :

BNA_P

ClientSampleId :

TP-80

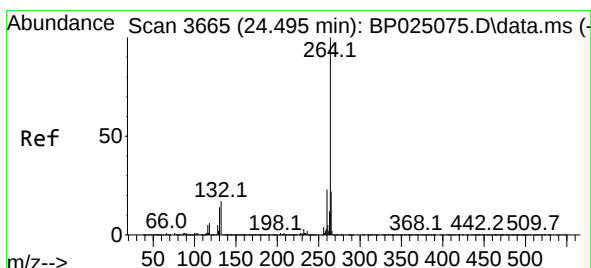
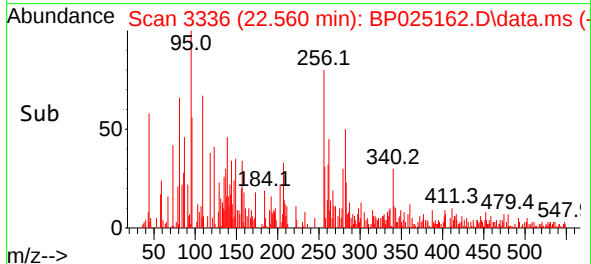
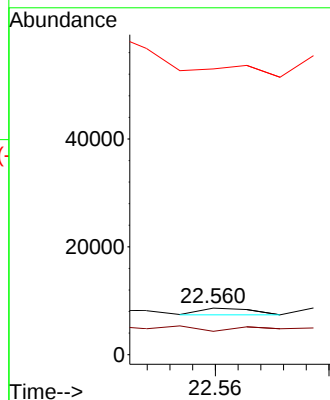
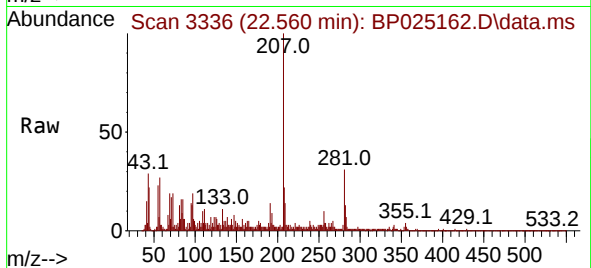
Tgt Ion:149 Resp: 789

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 0.0 6.9 10.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.483 min Scan# 3663

Delta R.T. -0.012 min

Lab File: BP025162.D

Acq: 16 Jul 2025 17:36

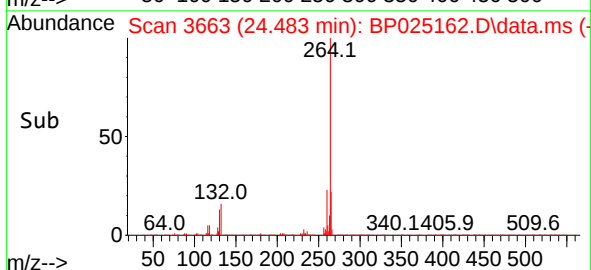
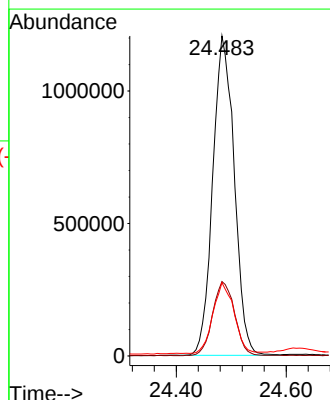
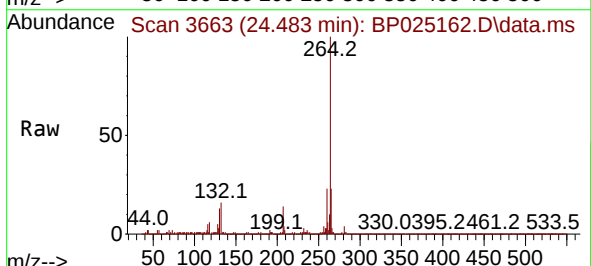
Tgt Ion:264 Resp: 3269618

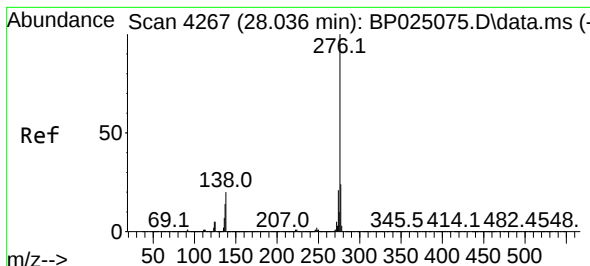
Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 22.9 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.616 ng

RT: 28.012 min Scan# 41

Delta R.T. -0.024 min

Lab File: BP025162.D

Acq: 16 Jul 2025 17:36

Instrument :

BNA_P

ClientSampleId :

TP-80

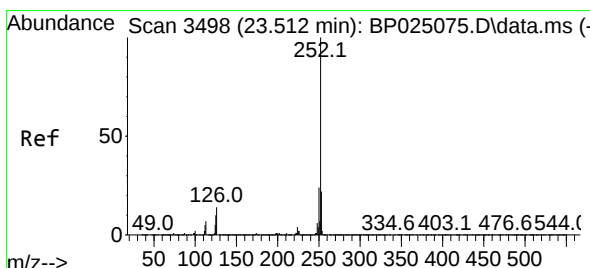
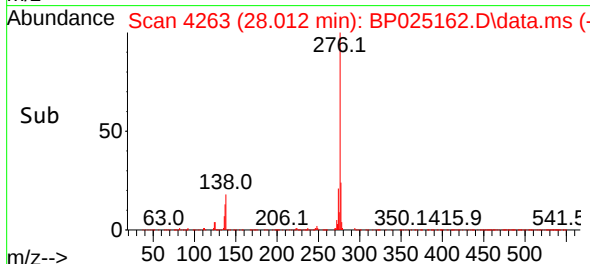
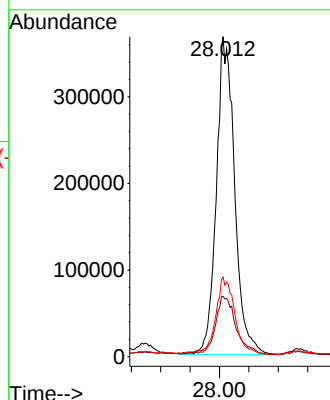
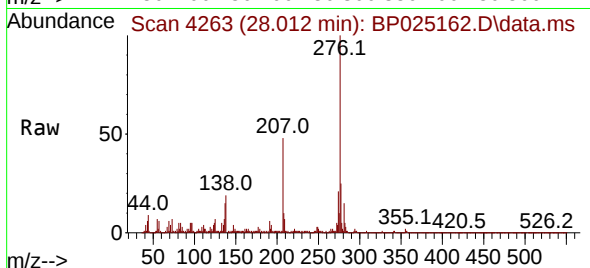
Tgt Ion:276 Resp: 1586375

Ion Ratio Lower Upper

276 100

138 20.7 13.0 19.6#

277 25.7 15.9 23.9#



#88

Benzo(b)fluoranthene

Concen: 14.889 ng

RT: 23.507 min Scan# 3497

Delta R.T. -0.006 min

Lab File: BP025162.D

Acq: 16 Jul 2025 17:36

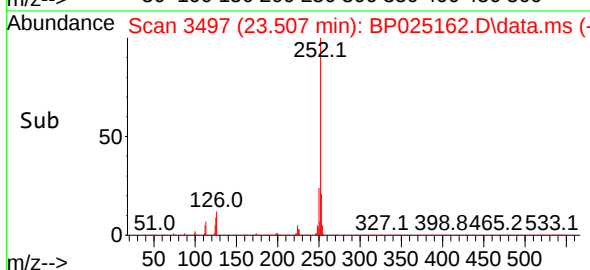
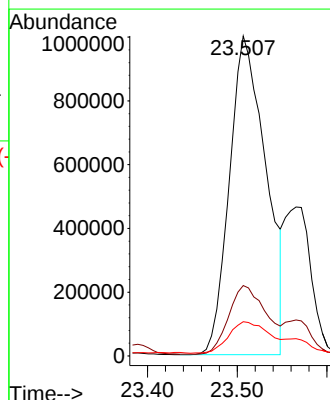
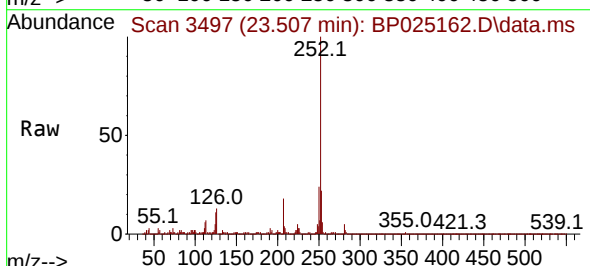
Tgt Ion:252 Resp: 2833477

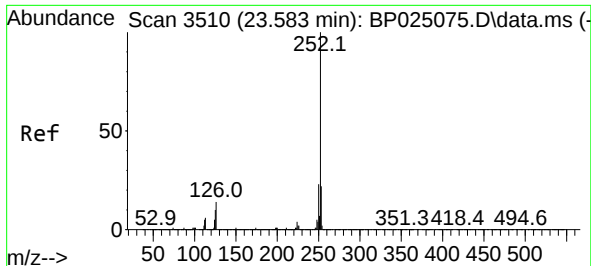
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 10.7 8.1 12.1

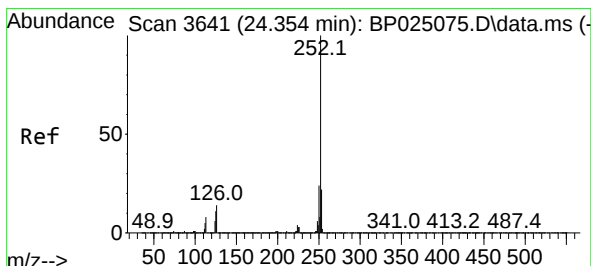
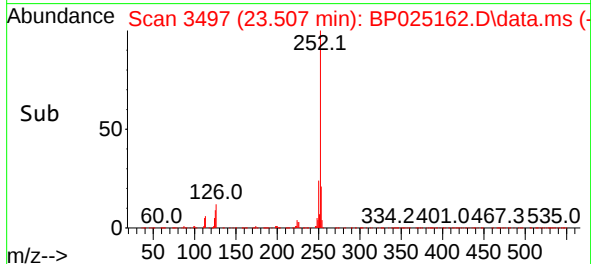
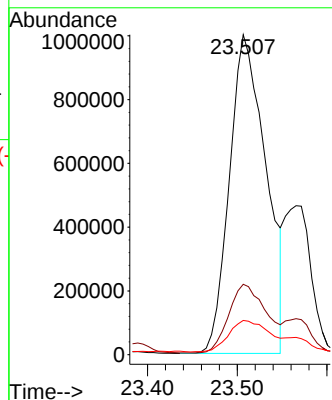
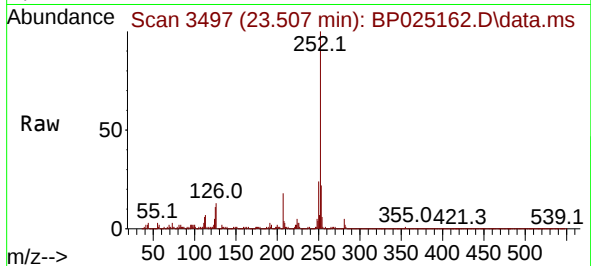




#89
Benzo(k)fluoranthene
Concen: 14.964 ng
RT: 23.507 min Scan# 34
Delta R.T. -0.076 min
Lab File: BP025162.D
Acq: 16 Jul 2025 17:36

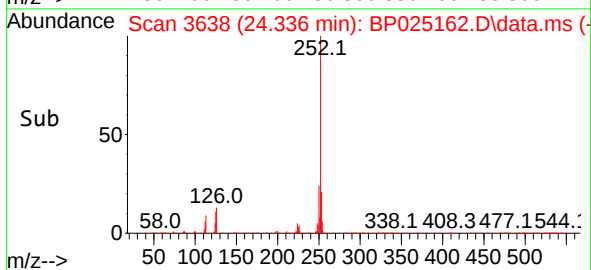
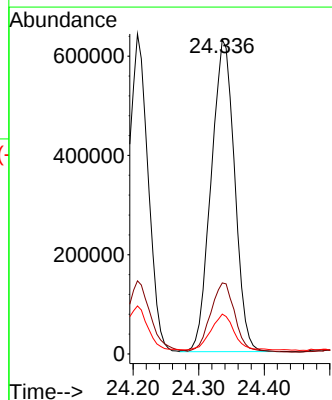
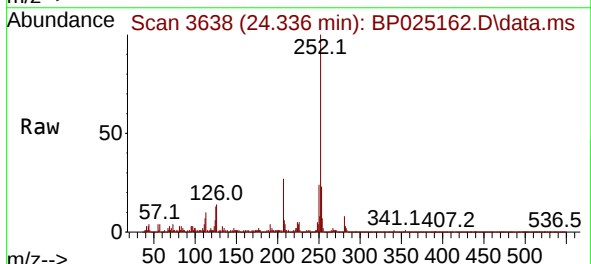
Instrument :
BNA_P
ClientSampleId :
TP-80

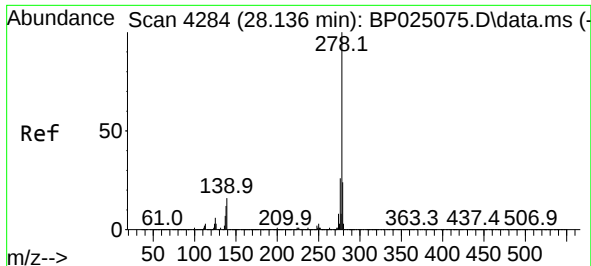
Tgt Ion:252 Resp: 2833477
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 10.7 8.2 12.2



#90
Benzo(a)pyrene
Concen: 9.627 ng
RT: 24.336 min Scan# 3638
Delta R.T. -0.018 min
Lab File: BP025162.D
Acq: 16 Jul 2025 17:36

Tgt Ion:252 Resp: 1559350
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 12.7 9.0 13.4

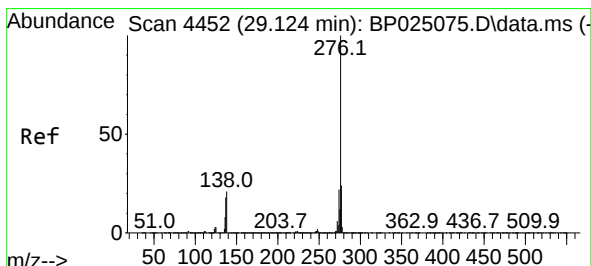
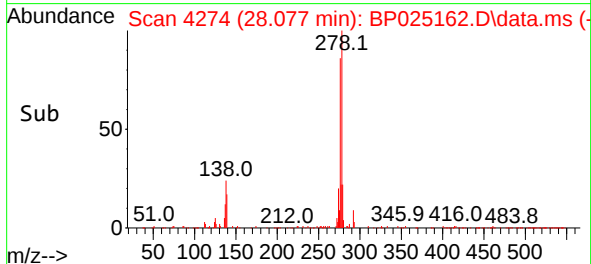
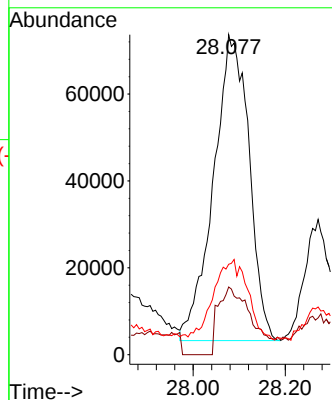
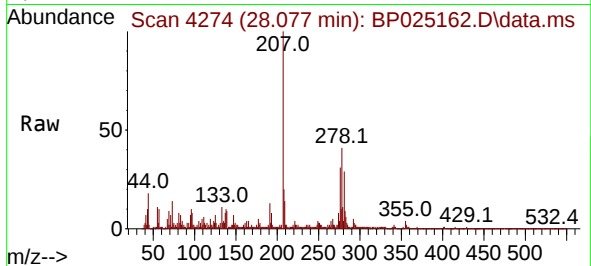




#91
Dibenzo(a,h)anthracene
Concen: 2.188 ng
RT: 28.077 min Scan# 41
Delta R.T. -0.059 min
Lab File: BP025162.D
Acq: 16 Jul 2025 17:36

Instrument :
BNA_P
ClientSampleId :
TP-80

Tgt Ion:278 Resp: 376682
Ion Ratio Lower Upper
278 100
139 21.1 13.1 19.7#
279 28.2 18.9 28.3



#92
Benzo(g,h,i)perylene
Concen: 8.424 ng
RT: 29.089 min Scan# 4446
Delta R.T. -0.035 min
Lab File: BP025162.D
Acq: 16 Jul 2025 17:36

Tgt Ion:276 Resp: 1498299
Ion Ratio Lower Upper
276 100
277 25.2 19.3 28.9
138 21.3 16.9 25.3

