

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080825\
 Data File : BP025334.D
 Acq On : 08 Aug 2025 15:53
 Operator : CG/JU
 Sample : Q2779-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-4

Quant Time: Aug 08 16:35:45 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)

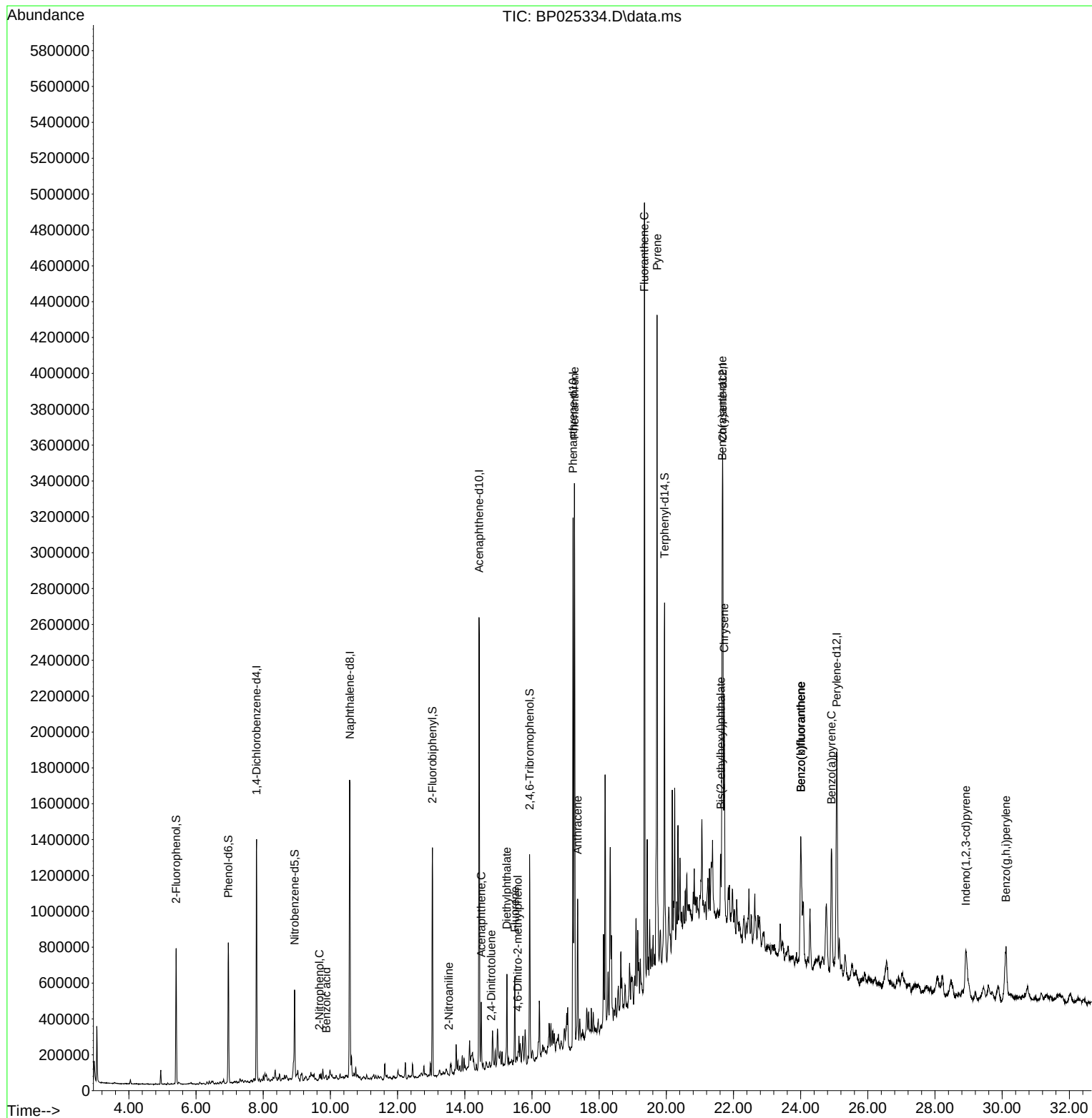
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	344962	20.000	ng	0.00
21) Naphthalene-d8	10.578	136	1456467	20.000	ng	0.00
39) Acenaphthene-d10	14.425	164	907872	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	1741117	20.000	ng	0.00
76) Chrysene-d12	21.683	240	1219729	20.000	ng	0.02
86) Perylene-d12	25.071	264	1274951	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	346080	16.136	ng	0.00
7) Phenol-d6	6.960	99	452107	16.017	ng	0.00
23) Nitrobenzene-d5	8.931	82	283656	10.790	ng	-0.01
42) 2,4,6-Tribromophenol	15.931	330	173520	19.159	ng	0.00
45) 2-Fluorobiphenyl	13.037	172	676769	10.296	ng	0.00
79) Terphenyl-d14	19.948	244	920530	14.255	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.672	139	202	3.656	ng	# 1
32) Benzoic acid	9.878	122	277	5.975	ng	# 2
48) 2-Nitroaniline	13.525	65	221	2.978	ng	# 42
52) Acenaphthene	14.489	154	128254	2.470	ng	100
57) 2,4-Dinitrotoluene	14.789	165	526	3.281	ng	# 76
58) Fluorene	15.489	166	220044	3.610	ng	100
60) Diethylphthalate	15.254	149	250805	3.759	ng	99
65) 4,6-Dinitro-2-methylph...	15.578	198	148	4.857	ng	# 1
71) Phenanthrene	17.266	178	2082942	21.842	ng	100
72) Anthracene	17.360	178	522799	5.437	ng	100
75) Fluoranthene	19.348	202	2519117	22.819	ng	99
78) Pyrene	19.724	202	2329088	28.715	ng	100
81) Benzo(a)anthracene	21.666	228	970662	11.975	ng	99
83) Chrysene	21.724	228	878048	11.680	ng	98
84) Bis(2-ethylhexyl)phtha...	21.618	149	185359	3.529	ng	99
87) Indeno(1,2,3-cd)pyrene	28.918	276	485489	5.313	ng	# 90
88) Benzo(b)fluoranthene	24.007	252	967827	12.681	ng	97
89) Benzo(k)fluoranthene	24.007	252	967827	12.792	ng	97
90) Benzo(a)pyrene	24.918	252	750200	10.207	ng	97
92) Benzo(g,h,i)perylene	30.112	276	452855	6.165	ng	96

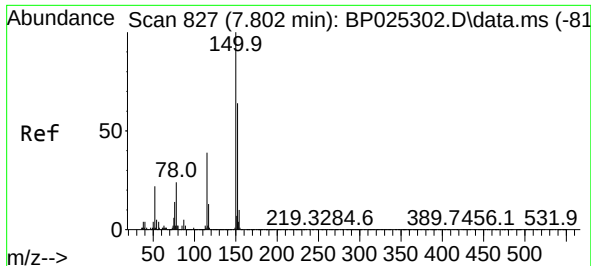
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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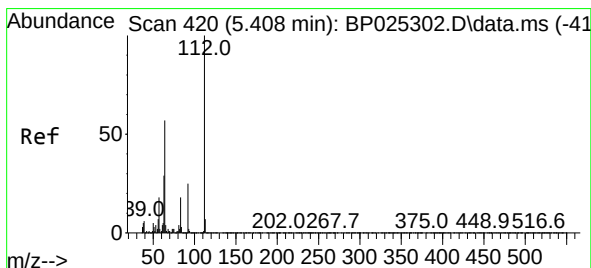
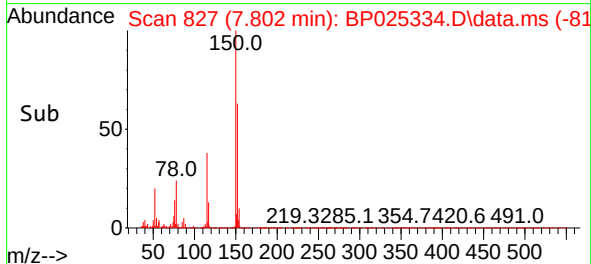
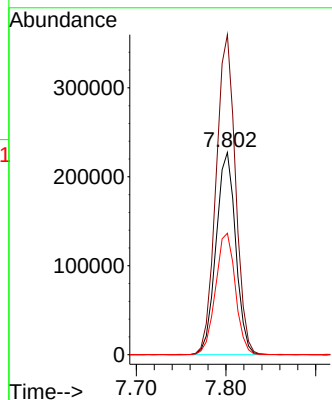
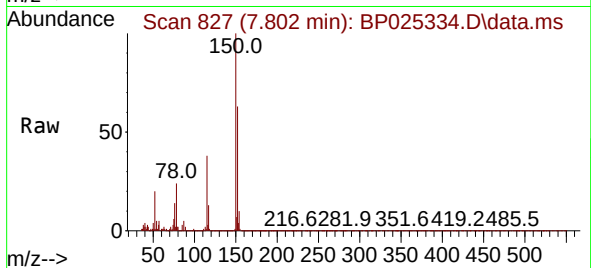




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.802 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BP025334.D
 Acq: 08 Aug 2025 15:53

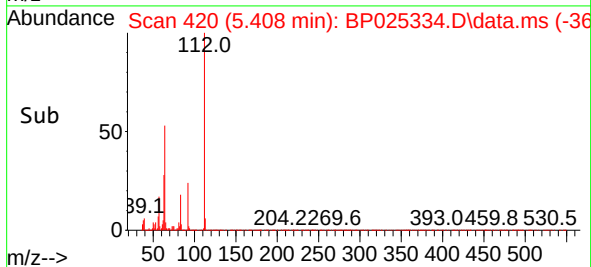
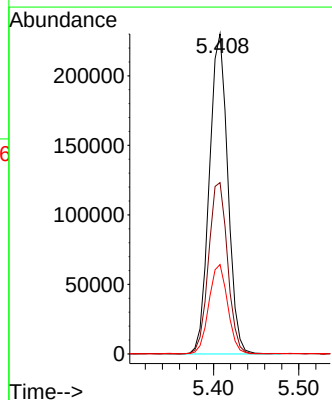
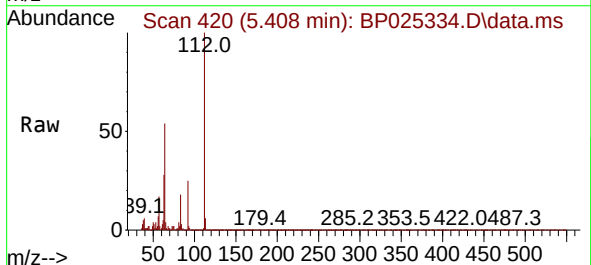
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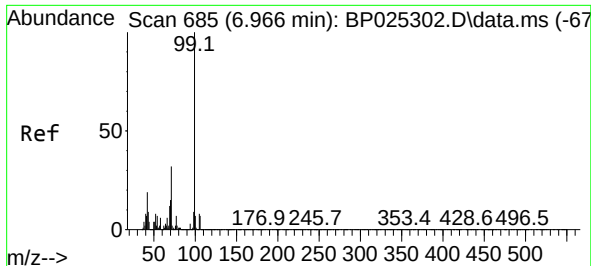
Tgt Ion:152 Resp: 344962
 Ion Ratio Lower Upper
 152 100
 150 158.2 125.1 187.7
 115 60.1 48.4 72.6



#5
 2-Fluorophenol
 Concen: 16.136 ng
 RT: 5.408 min Scan# 420
 Delta R.T. -0.000 min
 Lab File: BP025334.D
 Acq: 08 Aug 2025 15:53

Tgt Ion:112 Resp: 346080
 Ion Ratio Lower Upper
 112 100
 64 53.5 45.3 67.9
 63 28.0 23.0 34.6

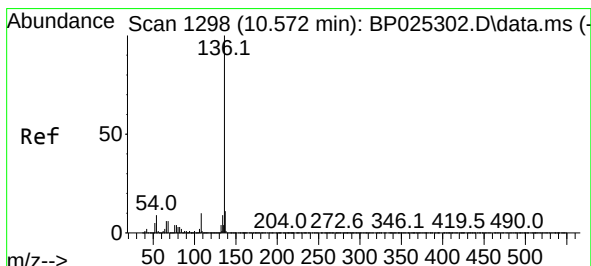
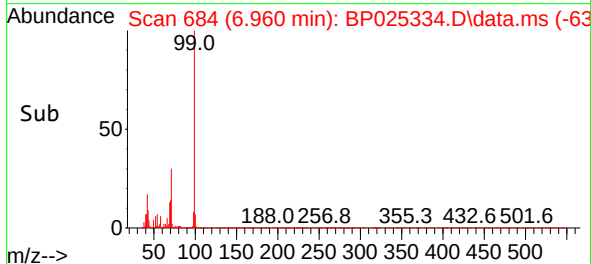
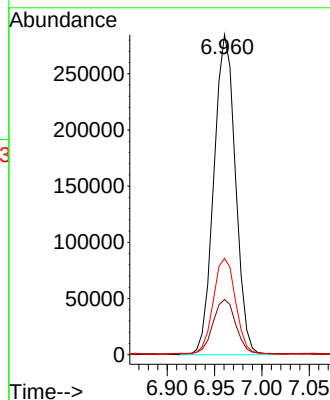
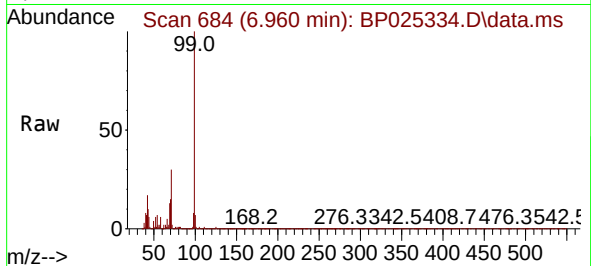




#7
Phenol-d6
Concen: 16.017 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

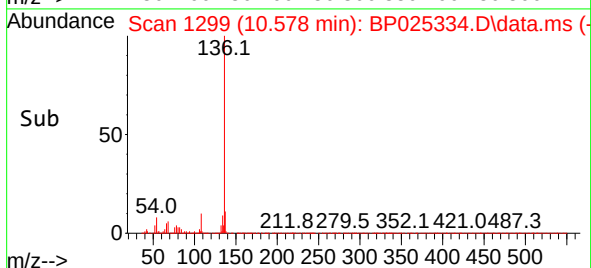
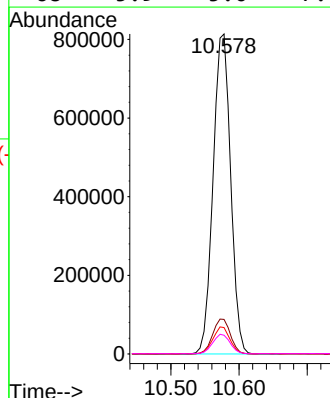
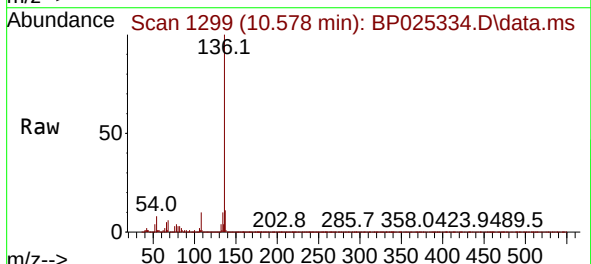
Instrument :
BNA_P
ClientSampleId :
TP-4

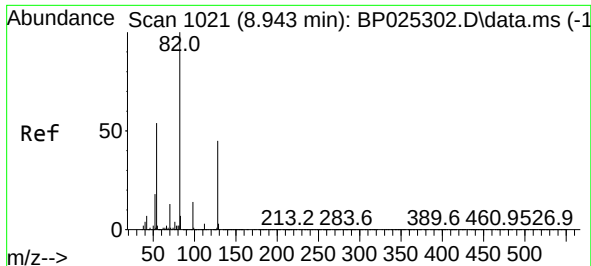
Tgt Ion: 99 Resp: 452107
Ion Ratio Lower Upper
99 100
42 17.2 15.0 22.6
71 30.1 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.578 min Scan# 1299
Delta R.T. 0.006 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

Tgt Ion: 136 Resp: 1456467
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.3 7.0 10.6
68 5.9 5.0 7.6

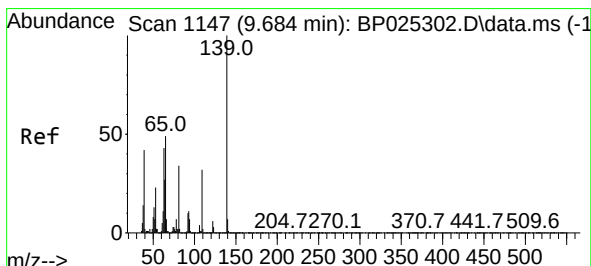
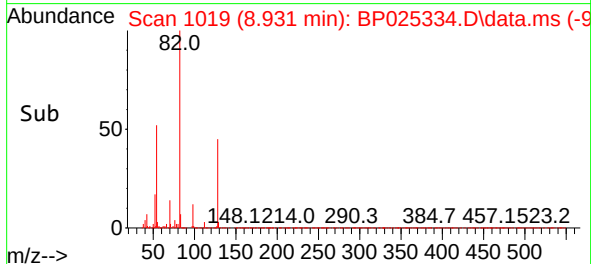
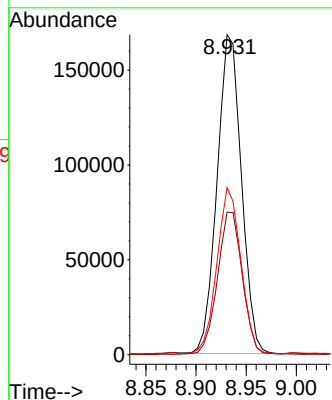
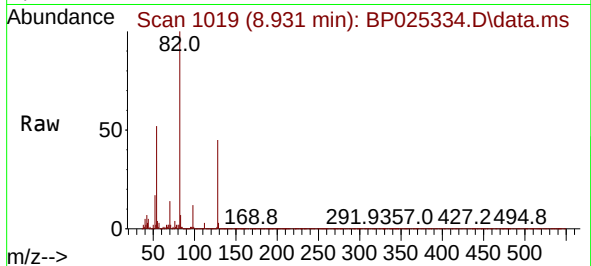




#23
Nitrobenzene-d5
Concen: 10.790 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

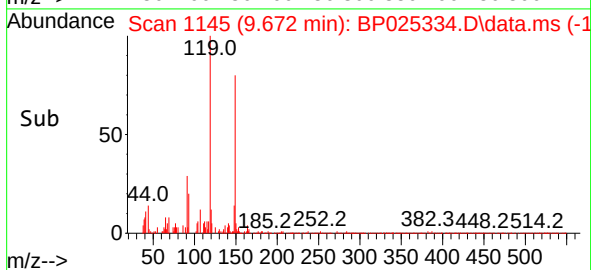
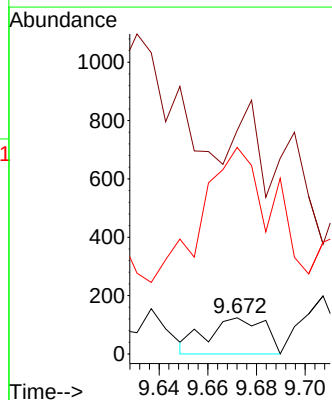
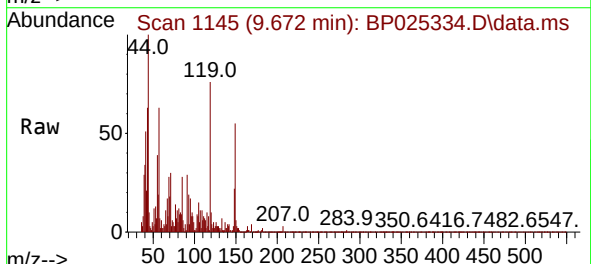
Instrument :
BNA_P
ClientSampleId :
TP-4

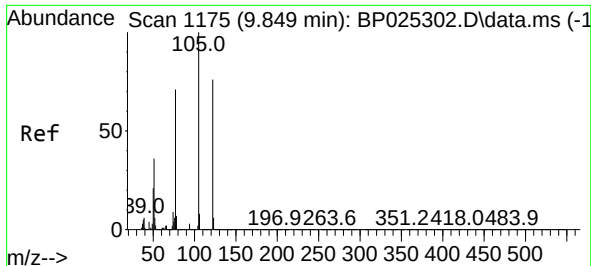
Tgt Ion: 82 Resp: 283656
Ion Ratio Lower Upper
82 100
128 44.5 35.4 53.2
54 52.2 42.9 64.3



#26
2-Nitrophenol
Concen: 3.656 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.012 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

Tgt Ion: 139 Resp: 202
Ion Ratio Lower Upper
139 100
109 617.7 25.2 37.8#
65 571.0 39.6 59.4#

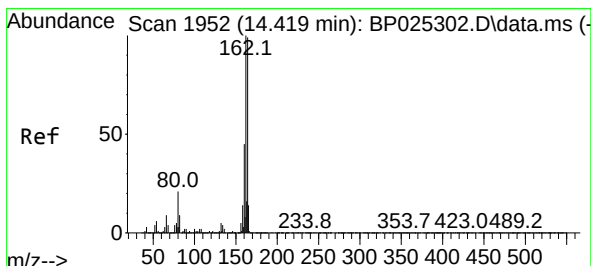
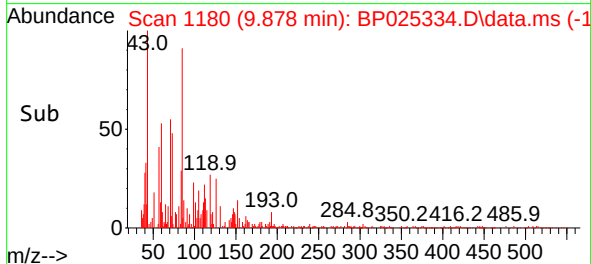
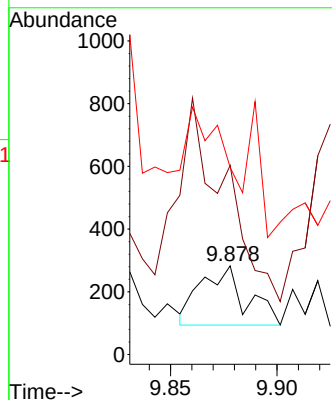
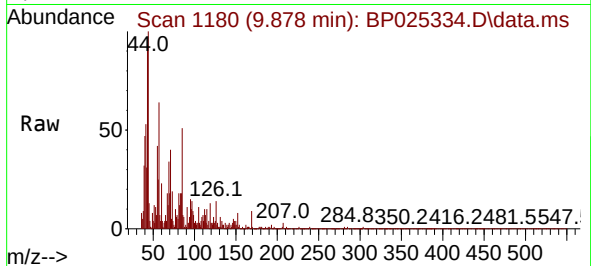




#32
Benzoic acid
Concen: 5.975 ng
RT: 9.878 min Scan# 1175
Delta R.T. 0.029 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

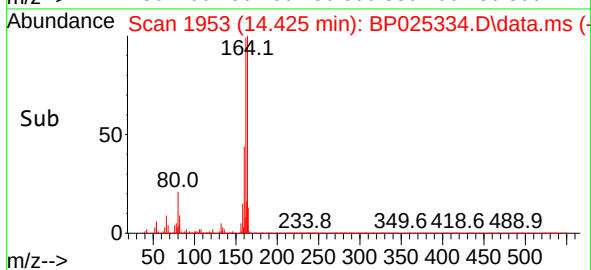
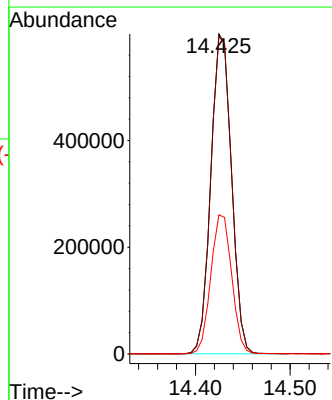
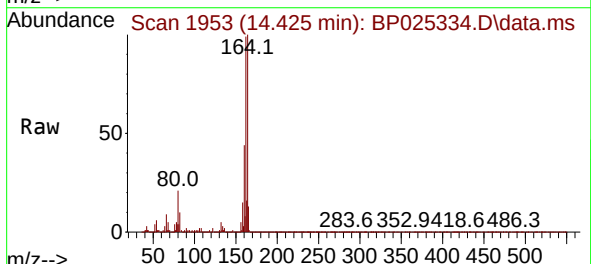
Instrument :
BNA_P
ClientSampleId :
TP-4

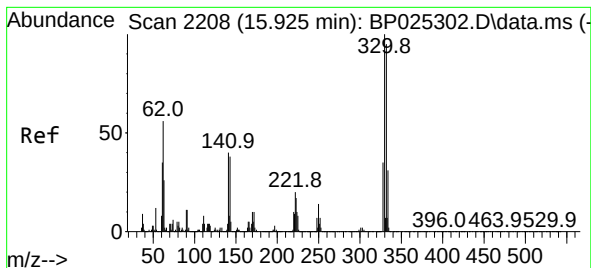
Tgt Ion:122 Resp: 277
Ion Ratio Lower Upper
122 100
105 213.1 104.0 144.0#
77 211.0 71.8 111.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.425 min Scan# 1953
Delta R.T. 0.006 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

Tgt Ion:164 Resp: 907872
Ion Ratio Lower Upper
164 100
162 99.2 80.6 120.8
160 43.5 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 19.159 ng

RT: 15.931 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025334.D

Acq: 08 Aug 2025 15:53

Instrument :

BNA_P

ClientSampleId :

TP-4

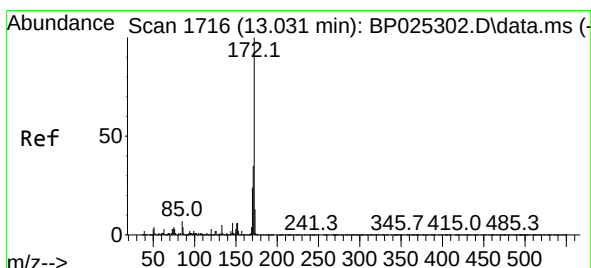
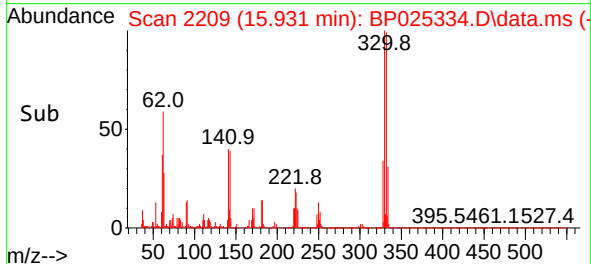
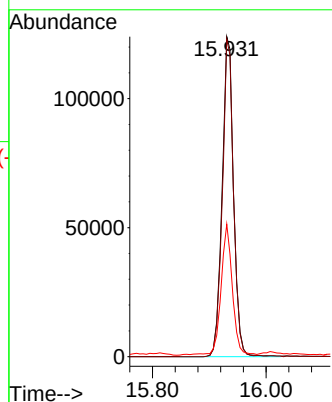
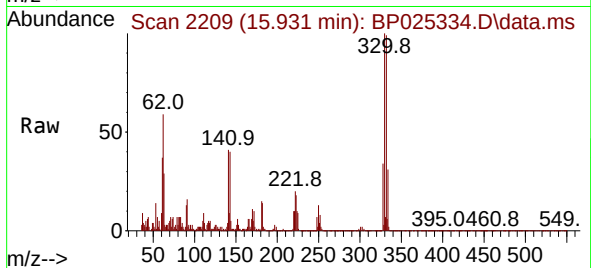
Tgt Ion:330 Resp: 173520

Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.0

141 40.8 31.7 47.5



#45

2-Fluorobiphenyl

Concen: 10.296 ng

RT: 13.037 min Scan# 1717

Delta R.T. 0.006 min

Lab File: BP025334.D

Acq: 08 Aug 2025 15:53

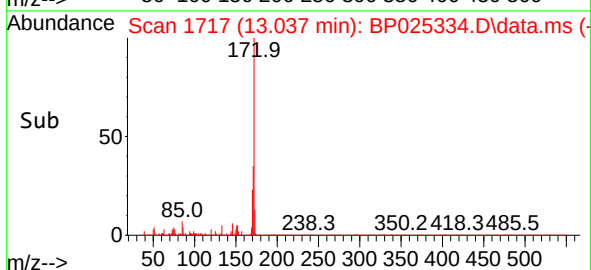
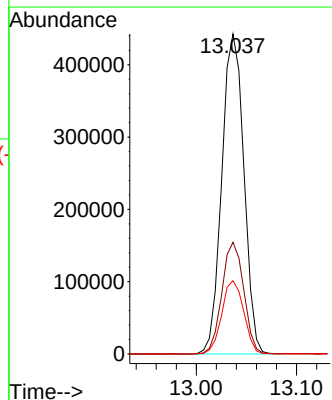
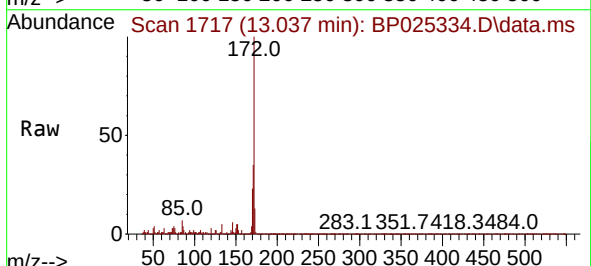
Tgt Ion:172 Resp: 676769

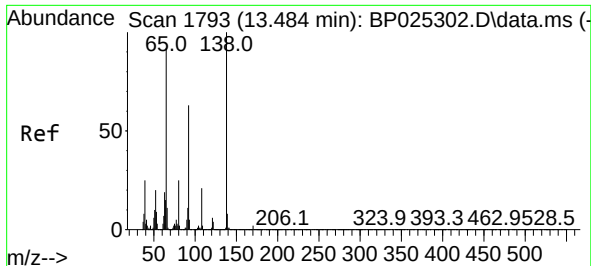
Ion Ratio Lower Upper

172 100

171 34.9 27.9 41.9

170 22.9 18.9 28.3

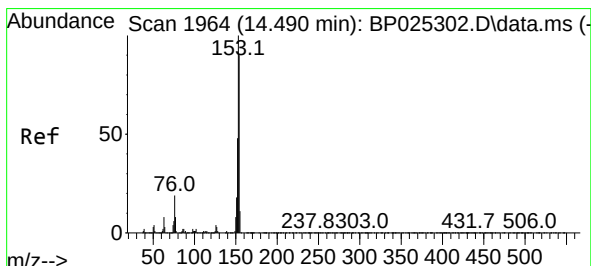
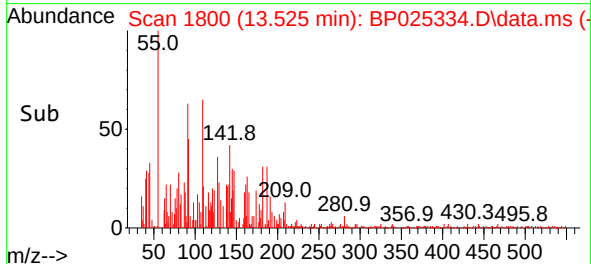
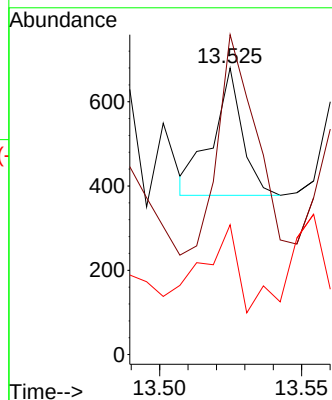
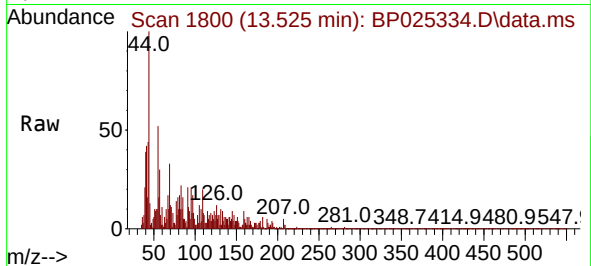




#48
2-Nitroaniline
Concen: 2.978 ng
RT: 13.525 min Scan# 1800
Delta R.T. 0.041 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

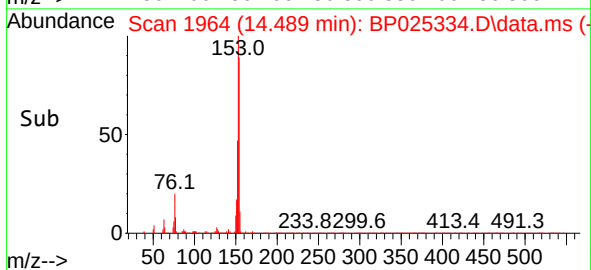
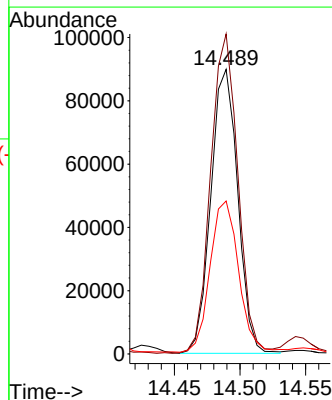
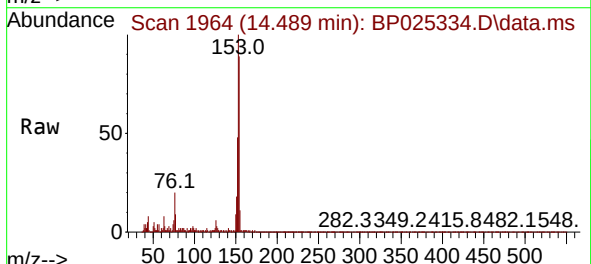
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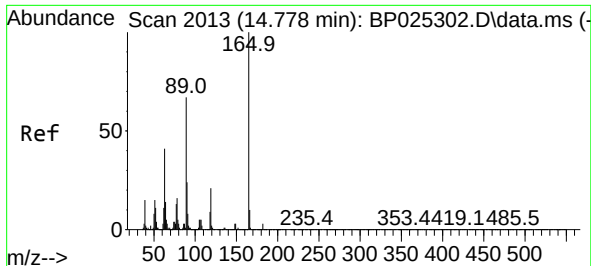
Tgt Ion: 65 Resp: 221
Ion Ratio Lower Upper
65 100
92 111.6 54.4 81.6#
138 45.3 87.0 130.4#



#52
Acenaphthene
Concen: 2.470 ng
RT: 14.489 min Scan# 1964
Delta R.T. -0.001 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

Tgt Ion: 154 Resp: 128254
Ion Ratio Lower Upper
154 100
153 112.4 89.4 134.0
152 53.7 43.0 64.6

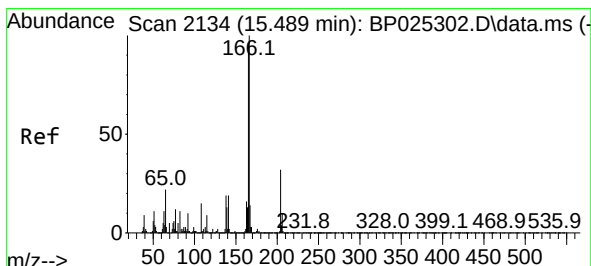
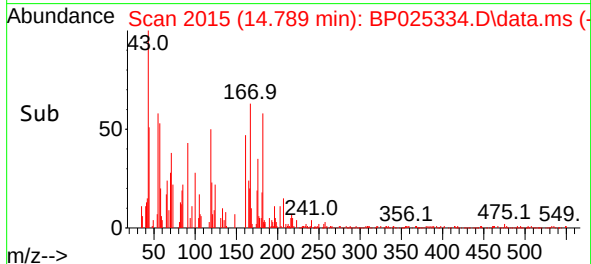
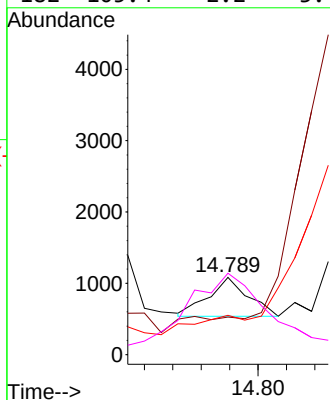
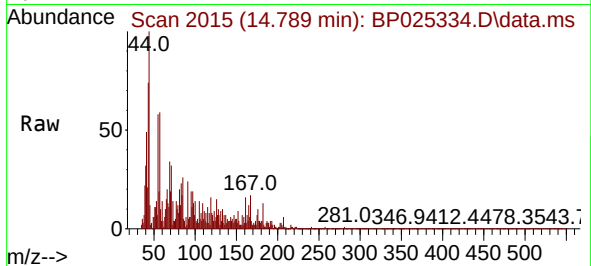




#57
2,4-Dinitrotoluene
Concen: 3.281 ng
RT: 14.789 min Scan# 2015
Delta R.T. 0.011 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

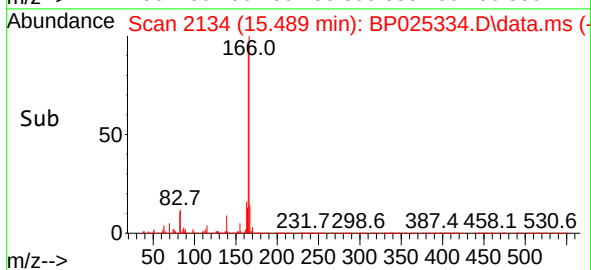
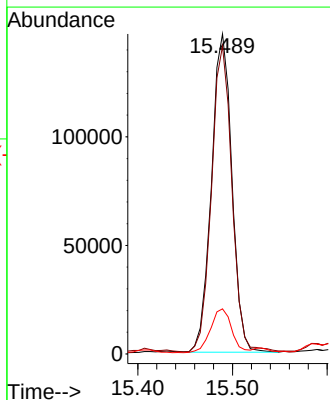
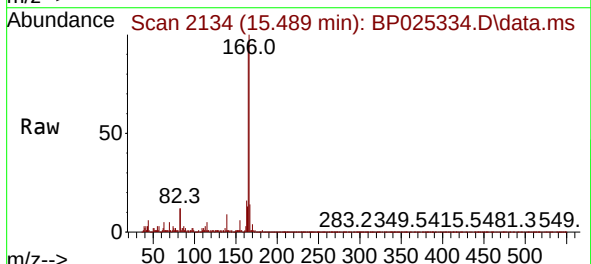
Instrument :
BNA_P
ClientSampleId :
TP-4

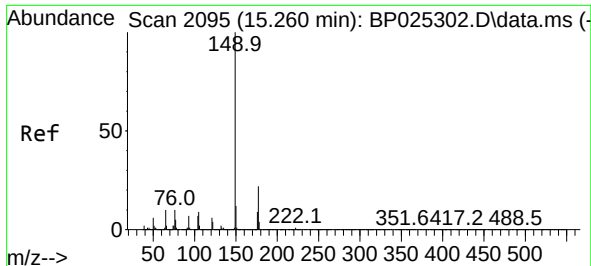
Tgt Ion:165 Resp: 526
Ion Ratio Lower Upper
165 100
63 48.6 33.2 49.8
89 50.9 53.5 80.3#
182 105.4 2.2 3.4#



#58
Fluorene
Concen: 3.610 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

Tgt Ion:166 Resp: 220044
Ion Ratio Lower Upper
166 100
165 96.2 76.7 115.1
167 14.1 10.9 16.3

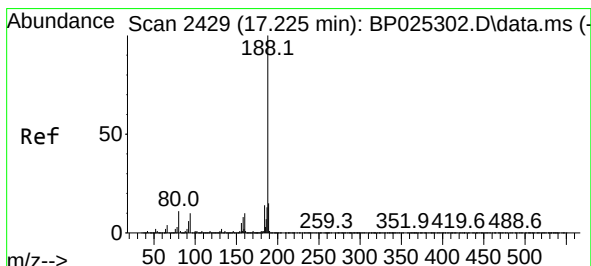
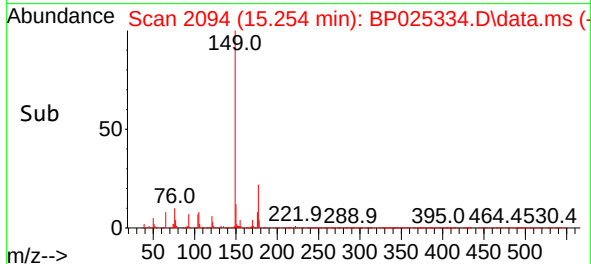
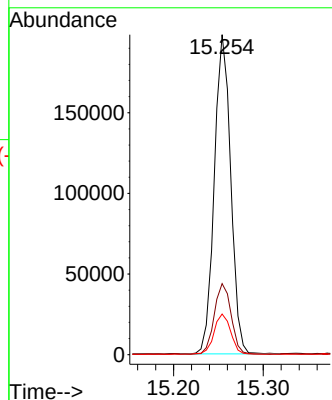
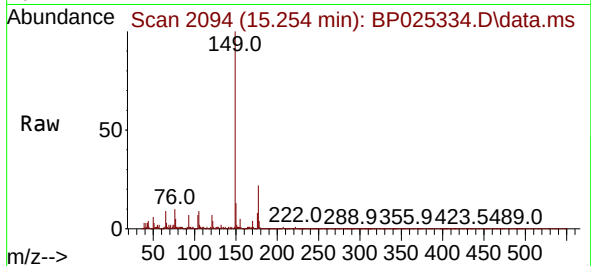




#60
Diethylphthalate
Concen: 3.759 ng
RT: 15.254 min Scan# 2094
Delta R.T. -0.006 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

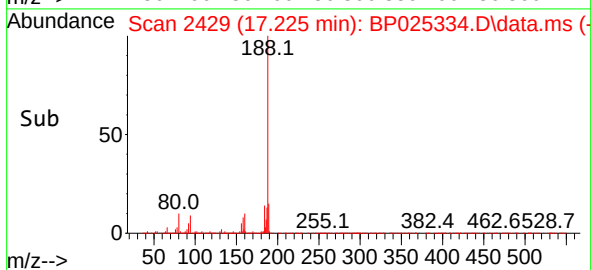
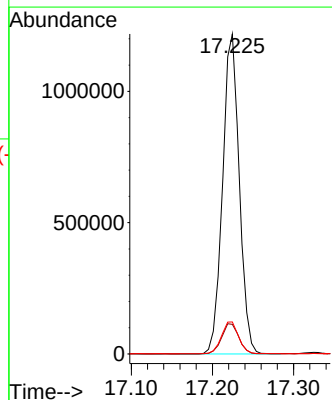
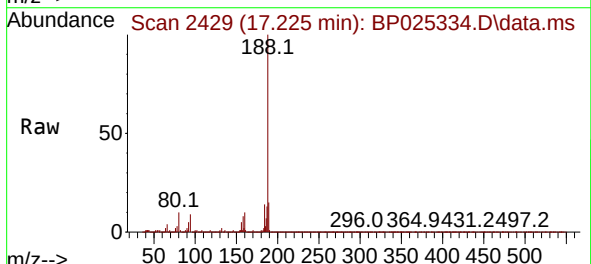
Instrument :
BNA_P
ClientSampleId :
TP-4

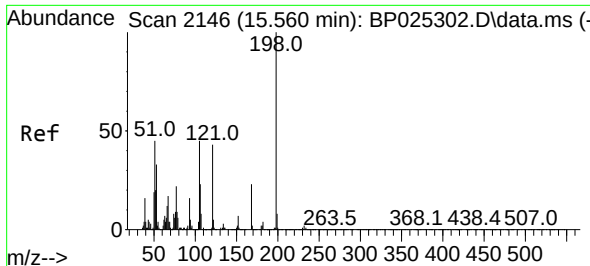
Tgt Ion:149 Resp: 250805
Ion Ratio Lower Upper
149 100
177 22.2 17.4 26.2
150 12.7 9.8 14.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

Tgt Ion:188 Resp: 1741117
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 10.0 8.5 12.7

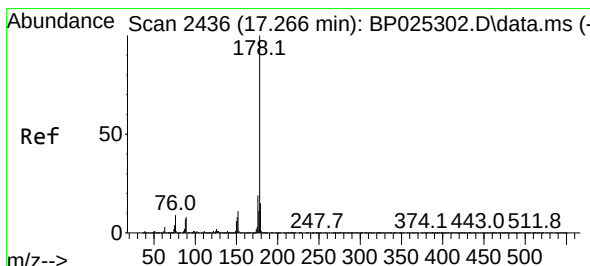
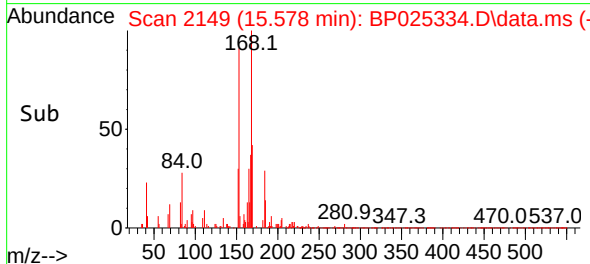
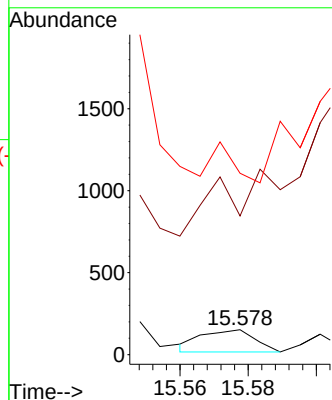
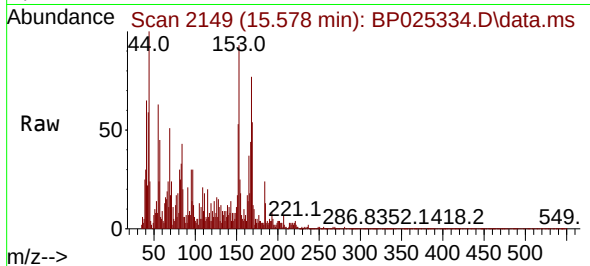




#65
4,6-Dinitro-2-methylphenol
Concen: 4.857 ng
RT: 15.578 min Scan# 2149
Delta R.T. 0.018 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

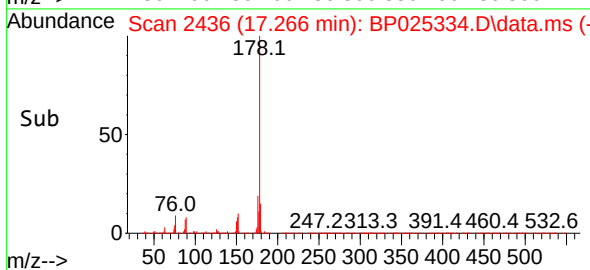
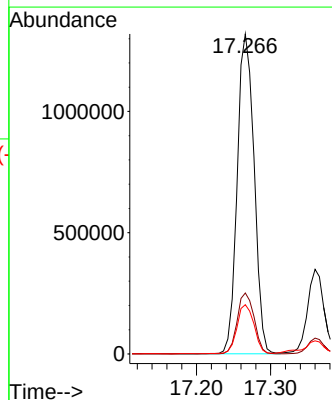
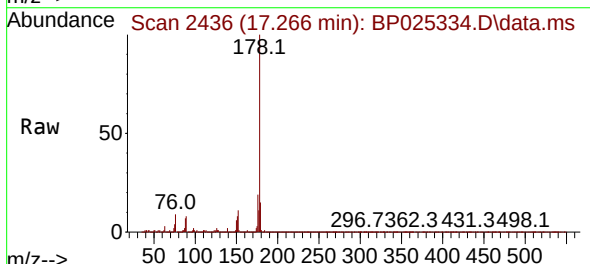
Instrument :
BNA_P
ClientSampleId :
TP-4

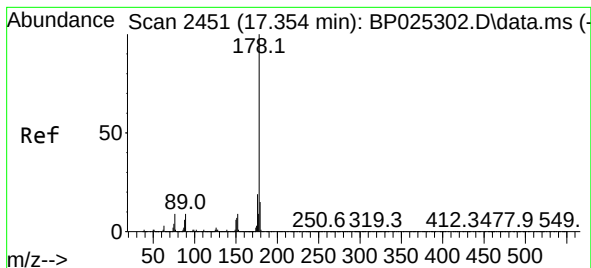
Tgt Ion:198 Resp: 148
Ion Ratio Lower Upper
198 100
51 556.6 26.7 66.7#
105 728.3 25.6 65.6#



#71
Phenanthrene
Concen: 21.842 ng
RT: 17.266 min Scan# 2436
Delta R.T. -0.000 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

Tgt Ion:178 Resp: 2082942
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.4 12.1 18.1





#72

Anthracene

Concen: 5.437 ng

RT: 17.360 min Scan# 2451

Delta R.T. 0.006 min

Lab File: BP025334.D

Acq: 08 Aug 2025 15:53

Instrument :

BNA_P

ClientSampleId :

TP-4

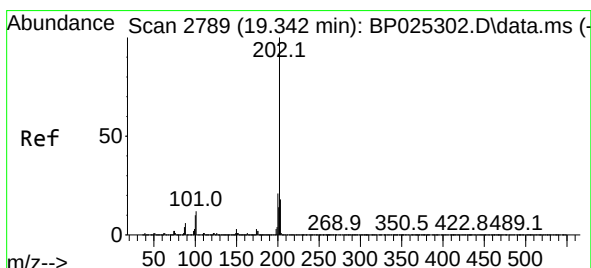
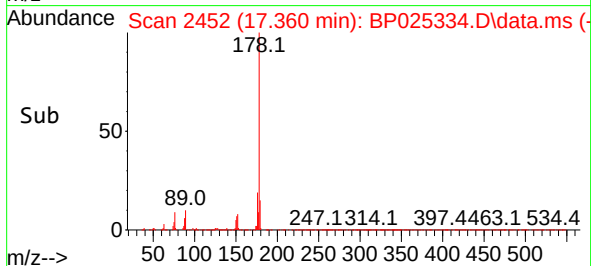
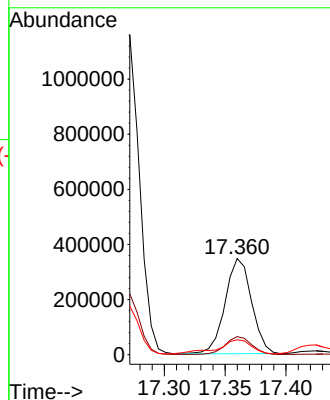
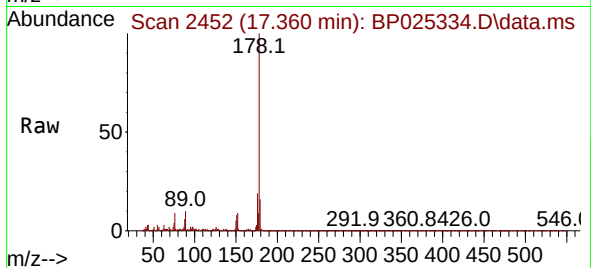
Tgt Ion:178 Resp: 522799

Ion Ratio Lower Upper

178 100

176 18.8 14.8 22.2

179 15.5 12.3 18.5



#75

Fluoranthene

Concen: 22.819 ng

RT: 19.348 min Scan# 2790

Delta R.T. 0.006 min

Lab File: BP025334.D

Acq: 08 Aug 2025 15:53

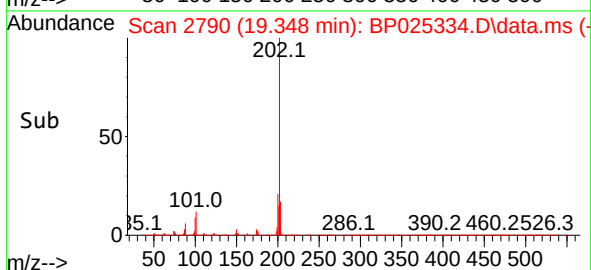
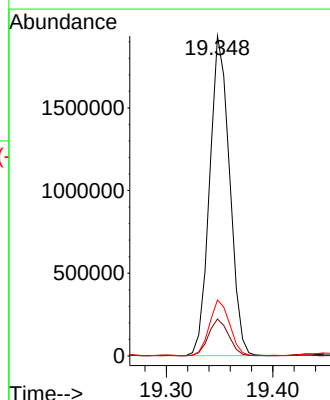
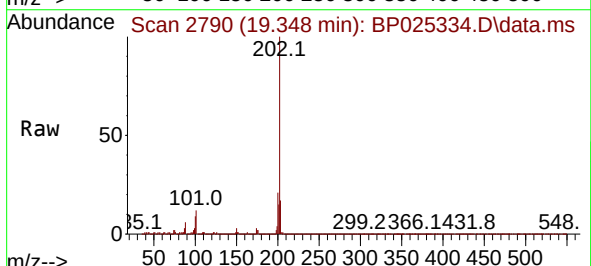
Tgt Ion:202 Resp: 2519117

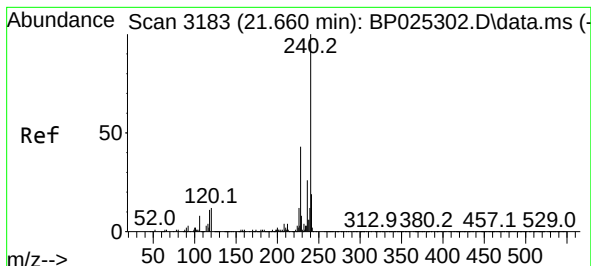
Ion Ratio Lower Upper

202 100

101 11.6 0.0 32.5

203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.683 min Scan# 3187

Delta R.T. 0.023 min

Lab File: BP025334.D

Acq: 08 Aug 2025 15:53

Instrument :

BNA_P

ClientSampleId :

TP-4

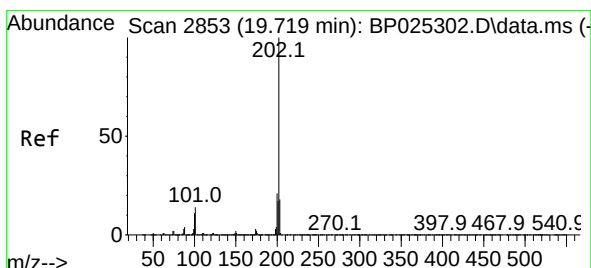
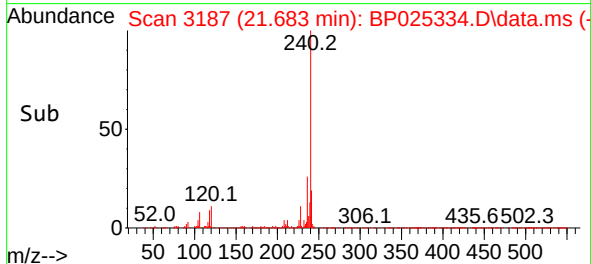
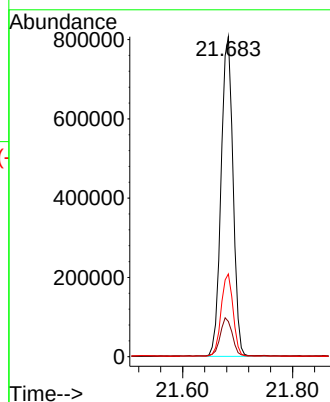
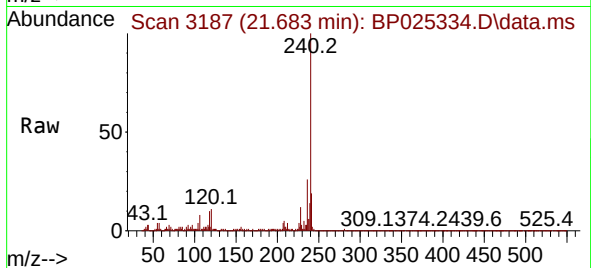
Tgt Ion:240 Resp: 1219729

Ion Ratio Lower Upper

240 100

120 11.0 9.6 14.4

236 25.9 20.4 30.6



#78

Pyrene

Concen: 28.715 ng

RT: 19.724 min Scan# 2854

Delta R.T. 0.005 min

Lab File: BP025334.D

Acq: 08 Aug 2025 15:53

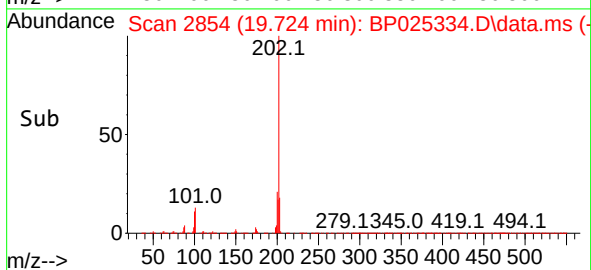
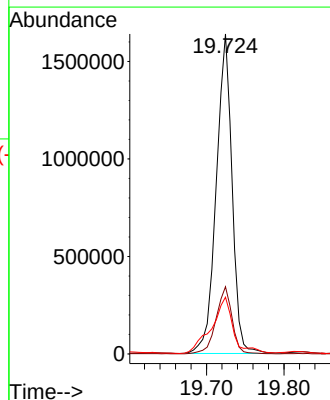
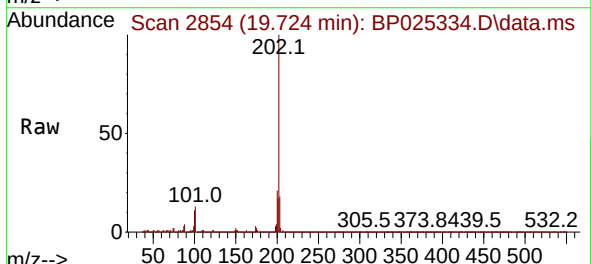
Tgt Ion:202 Resp: 2329088

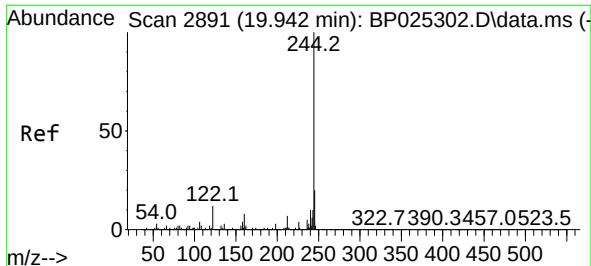
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.8 14.1 21.1

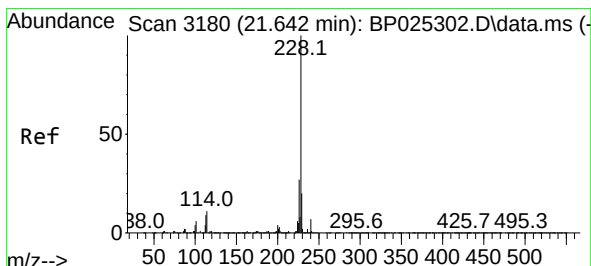
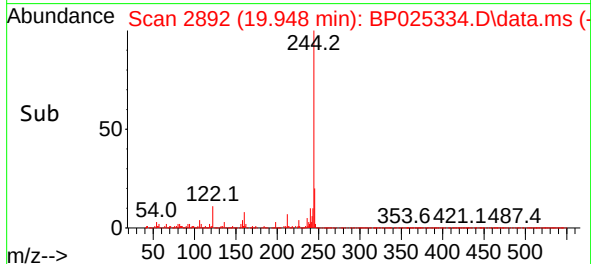
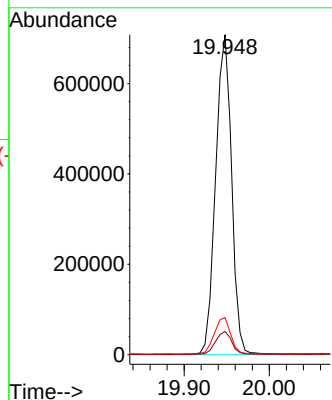
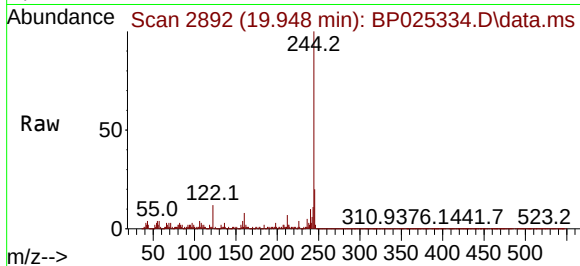




#79
 Terphenyl-d14
 Concen: 14.255 ng
 RT: 19.948 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP025334.D
 Acq: 08 Aug 2025 15:53

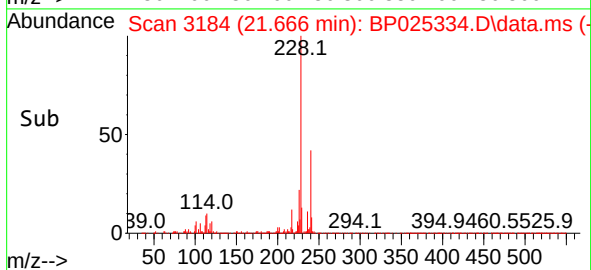
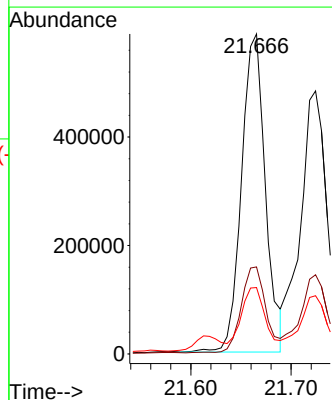
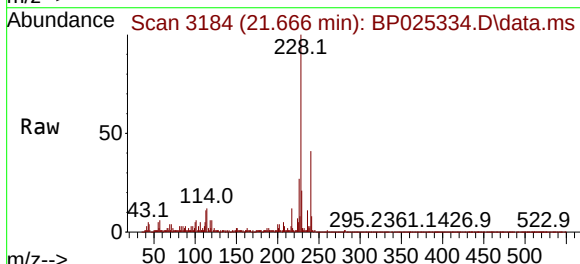
Instrument :
 BNA_P
 ClientSampleId :
 TP-4

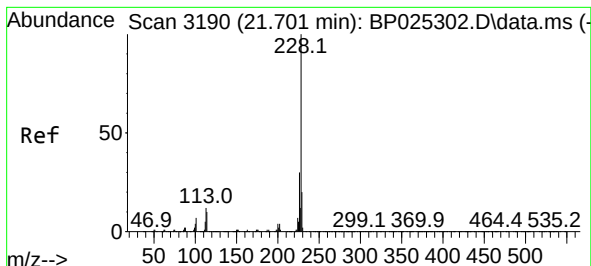
Tgt Ion:244 Resp: 920530
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 11.6 9.5 14.3



#81
 Benzo(a)anthracene
 Concen: 11.975 ng
 RT: 21.666 min Scan# 3184
 Delta R.T. 0.024 min
 Lab File: BP025334.D
 Acq: 08 Aug 2025 15:53

Tgt Ion:228 Resp: 970662
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.8 32.8
 229 20.8 16.0 24.0





#83

Chrysene

Concen: 11.680 ng

RT: 21.724 min Scan# 3194

Delta R.T. 0.023 min

Lab File: BP025334.D

Acq: 08 Aug 2025 15:53

Instrument :

BNA_P

ClientSampleId :

TP-4

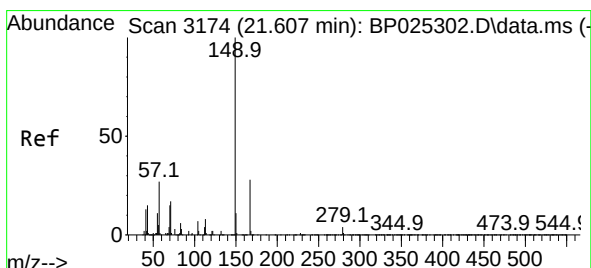
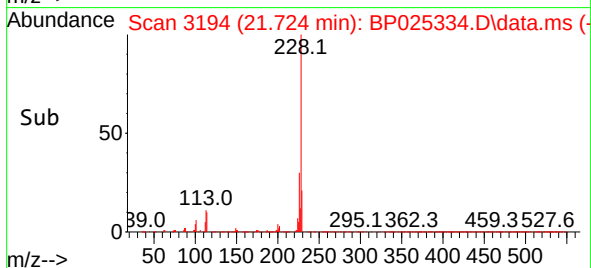
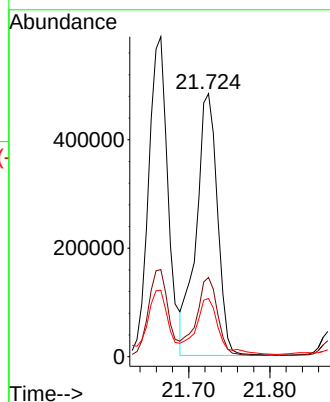
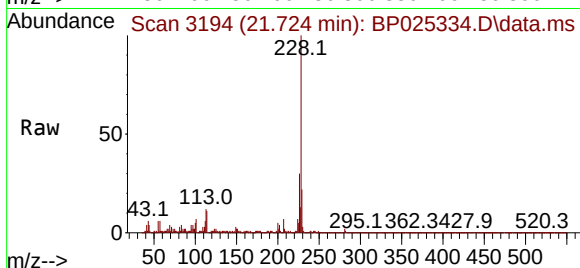
Tgt Ion:228 Resp: 878048

Ion Ratio Lower Upper

228 100

226 30.1 24.3 36.5

229 22.1 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.529 ng

RT: 21.618 min Scan# 3176

Delta R.T. 0.011 min

Lab File: BP025334.D

Acq: 08 Aug 2025 15:53

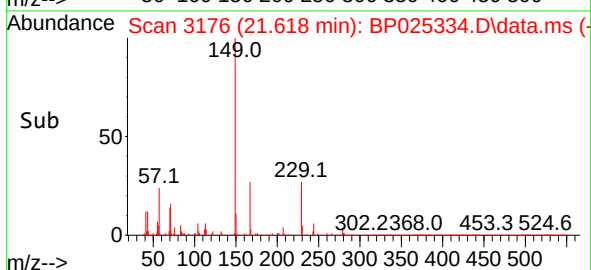
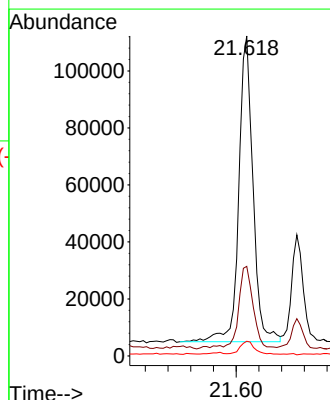
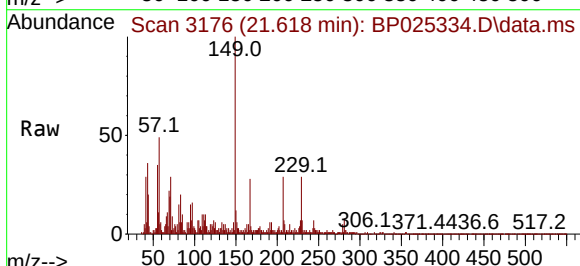
Tgt Ion:149 Resp: 185359

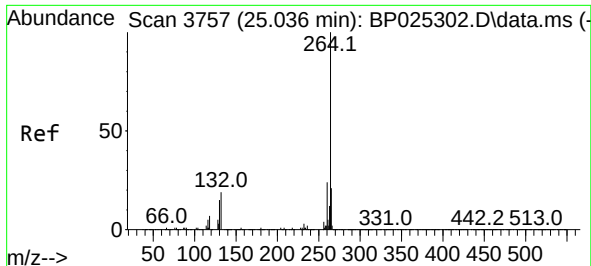
Ion Ratio Lower Upper

149 100

167 28.0 22.1 33.1

279 4.6 3.4 5.2



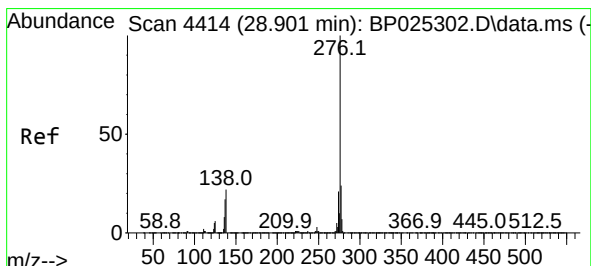
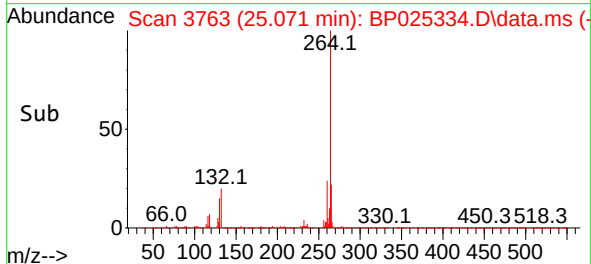
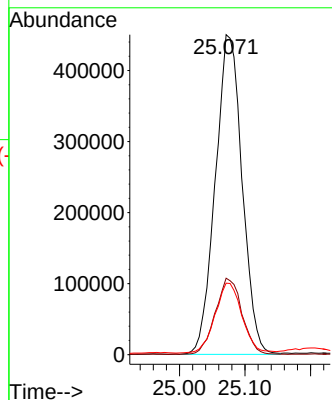
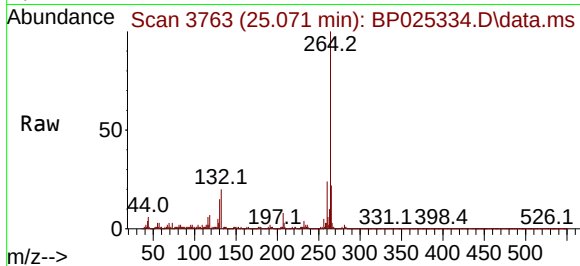


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.071 min Scan# 31
Delta R.T. 0.035 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

Instrument :
BNA_P
ClientSampleId :
TP-4

Tgt Ion:264 Resp: 1274951

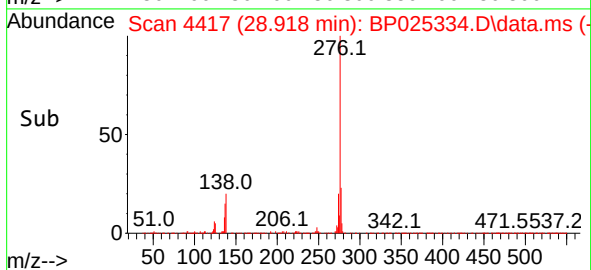
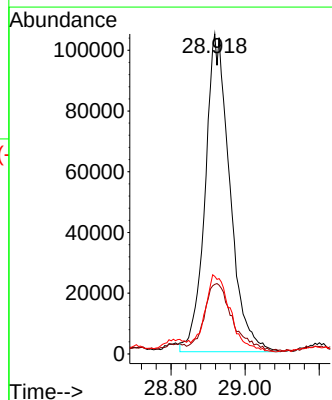
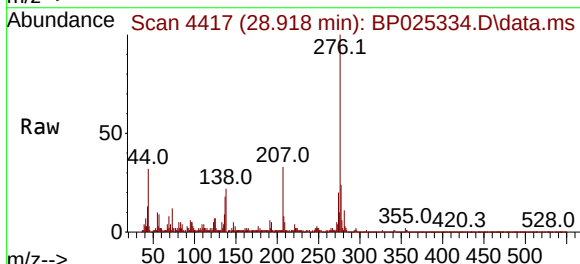
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.3	17.1	25.7

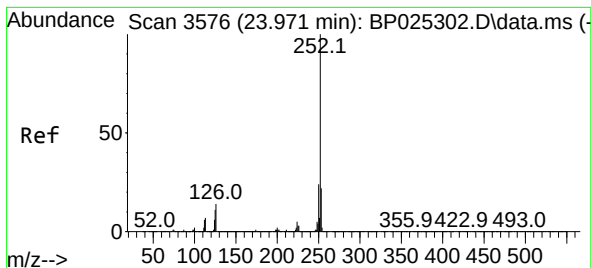


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.313 ng
RT: 28.918 min Scan# 4417
Delta R.T. 0.017 min
Lab File: BP025334.D
Acq: 08 Aug 2025 15:53

Tgt Ion:276 Resp: 485489

Ion	Ratio	Lower	Upper
276	100		
138	23.9	14.6	22.0#
277	25.0	16.8	25.2





#88

Benzo(b)fluoranthene

Concen: 12.681 ng

RT: 24.007 min Scan# 3582

Delta R.T. 0.036 min

Lab File: BP025334.D

Acq: 08 Aug 2025 15:53

Instrument :

BNA_P

ClientSampleId :

TP-4

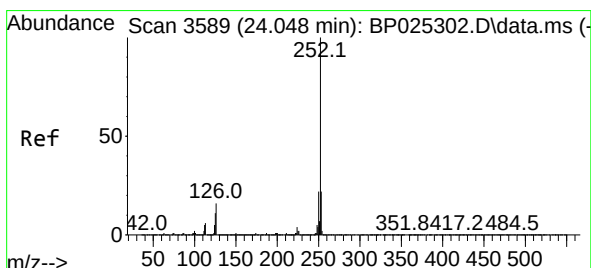
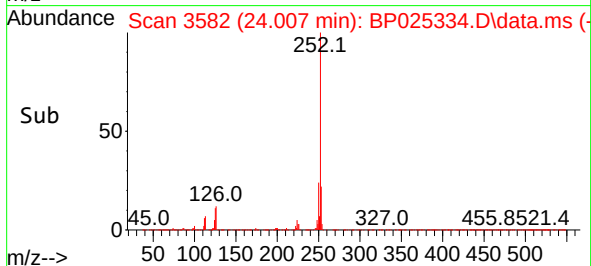
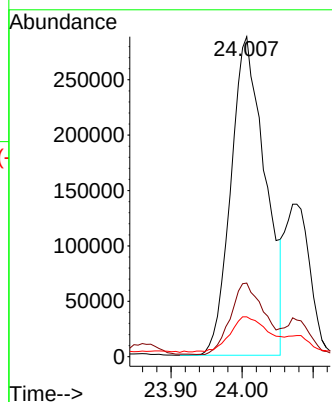
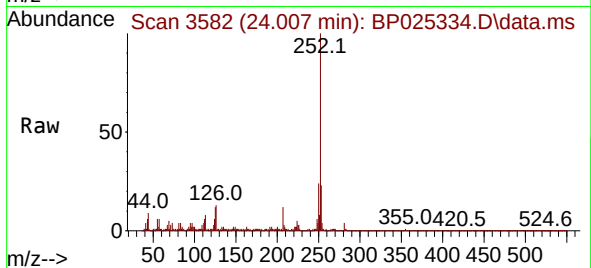
Tgt Ion:252 Resp: 967827

Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 12.5 8.5 12.7



#89

Benzo(k)fluoranthene

Concen: 12.792 ng

RT: 24.007 min Scan# 3582

Delta R.T. -0.041 min

Lab File: BP025334.D

Acq: 08 Aug 2025 15:53

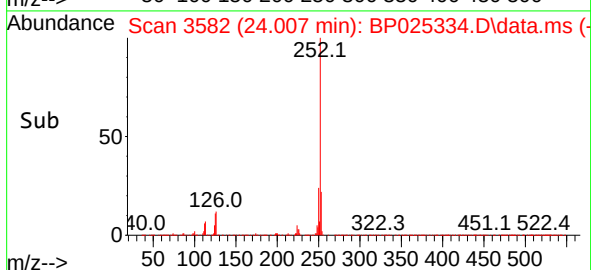
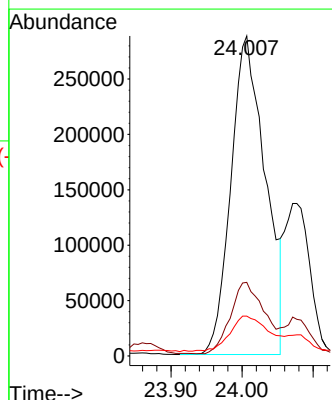
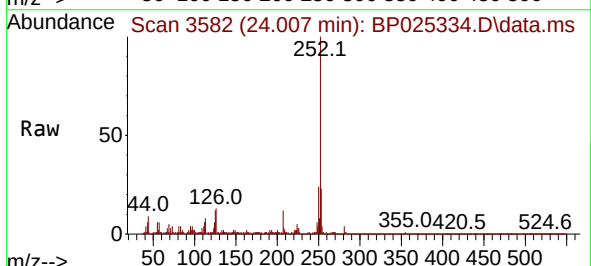
Tgt Ion:252 Resp: 967827

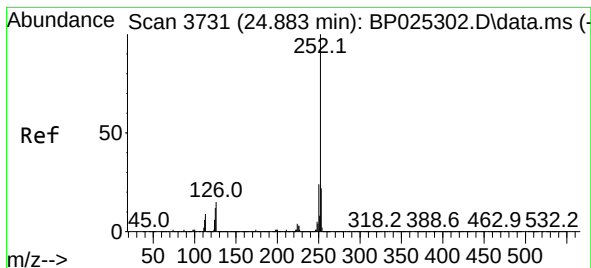
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 12.5 8.5 12.7





#90

Benzo(a)pyrene

Concen: 10.207 ng

RT: 24.918 min Scan# 31

Delta R.T. 0.035 min

Lab File: BP025334.D

Acq: 08 Aug 2025 15:53

Instrument :

BNA_P

ClientSampleId :

TP-4

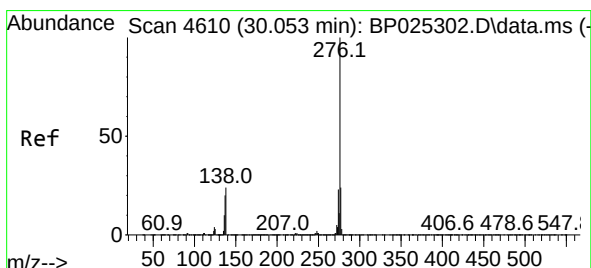
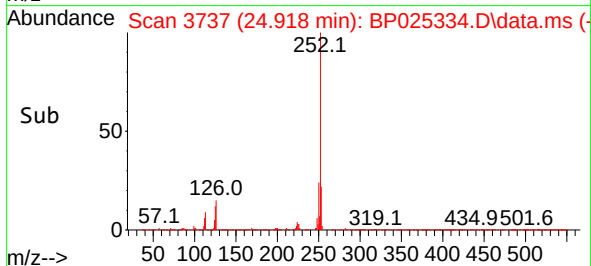
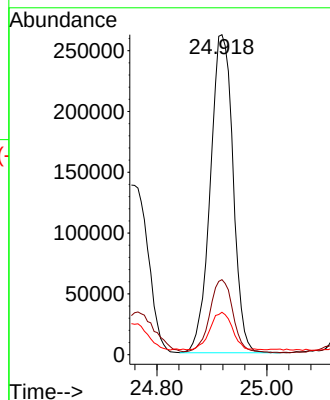
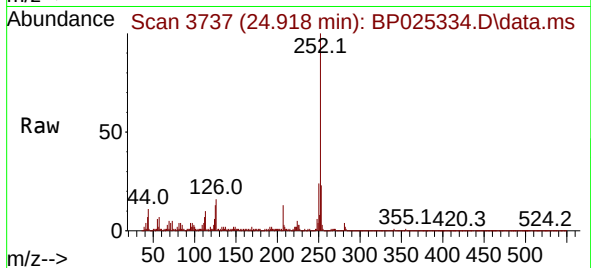
Tgt Ion:252 Resp: 750200

Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

125 13.2 9.4 14.0



#92

Benzo(g,h,i)perylene

Concen: 6.165 ng

RT: 30.112 min Scan# 4620

Delta R.T. 0.059 min

Lab File: BP025334.D

Acq: 08 Aug 2025 15:53

Tgt Ion:276 Resp: 452855

Ion Ratio Lower Upper

276 100

277 25.2 19.3 28.9

138 26.5 19.1 28.7

