

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022725\
 Data File : BP024126.D
 Acq On : 27 Feb 2025 19:16
 Operator : RC/JU
 Sample : Q1442-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 351

Quant Time: Feb 28 00:12:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 18 02:25:07 2025
 Response via : Initial Calibration

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

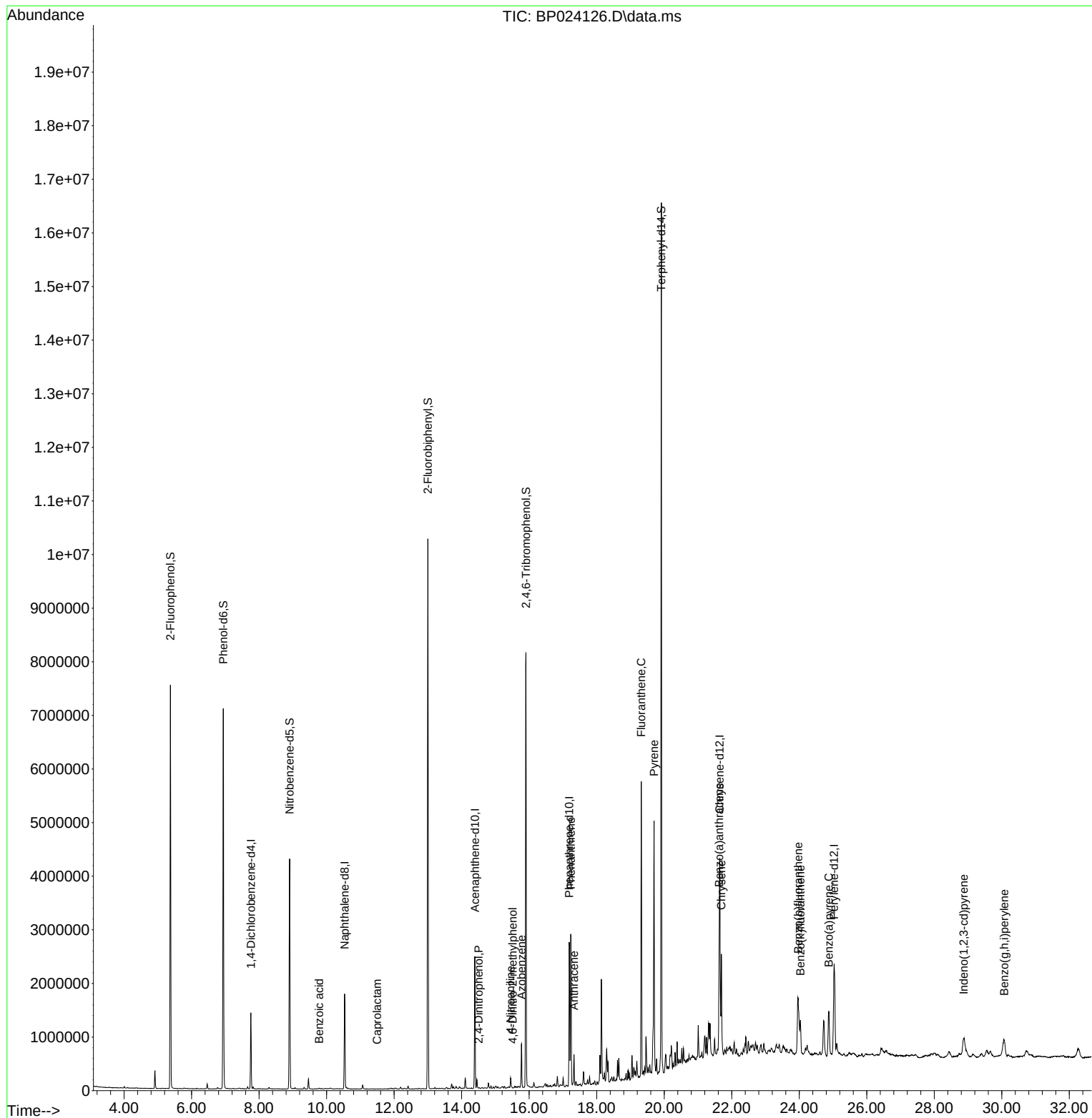
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	382262	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	1493121	20.000	ng	0.00
39) Acenaphthene-d10	14.393	164	862761	20.000	ng	0.00
64) Phenanthrene-d10	17.187	188	1605737	20.000	ng	0.00
76) Chrysene-d12	21.645	240	1682209	20.000	ng	0.00
86) Perylene-d12	25.033	264	1959839	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	3440151	140.424	ng	0.00
7) Phenol-d6	6.940	99	4331064	137.551	ng	0.00
23) Nitrobenzene-d5	8.905	82	2529916	94.528	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1605433	151.917	ng	0.00
45) 2-Fluorobiphenyl	12.999	172	5434858	88.065	ng	0.00
79) Terphenyl-d14	19.916	244	7361476	86.591	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.781	122	8745	7.930	ng	91
35) Caprolactam	11.493	113	416	5.624	ng	# 32
54) 2,4-Dinitrophenol	14.504	184	259	7.808	ng	# 1
62) 4-Nitroaniline	15.451	138	855	3.338	ng	# 55
63) Azobenzene	15.775	77	221493	3.913	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.516	198	29	6.011	ng	# 1
71) Phenanthrene	17.234	178	1768218	19.532	ng	100
72) Anthracene	17.328	178	336171	3.875	ng	99
75) Fluoranthene	19.322	202	3292755	32.157	ng	99
78) Pyrene	19.698	202	2688495	25.161	ng	99
81) Benzo(a)anthracene	21.627	228	1026868	9.735	ng	96
83) Chrysene	21.692	228	1268339	12.470	ng	98
87) Indeno(1,2,3-cd)pyrene	28.874	276	642596	4.609	ng	# 90
88) Benzo(b)fluoranthene	23.969	252	1484450	11.928	ng	99
89) Benzo(k)fluoranthene	24.033	252	478962	3.954	ng	98
90) Benzo(a)pyrene	24.874	252	904593	8.565	ng	99
92) Benzo(g,h,i)perylene	30.068	276	636911	5.354	ng	97

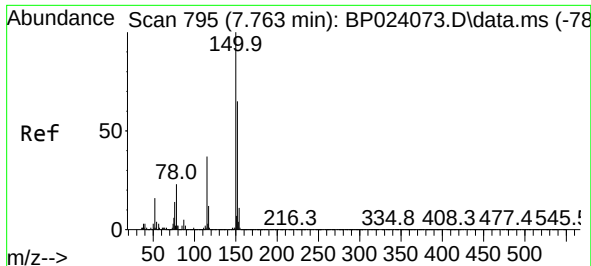
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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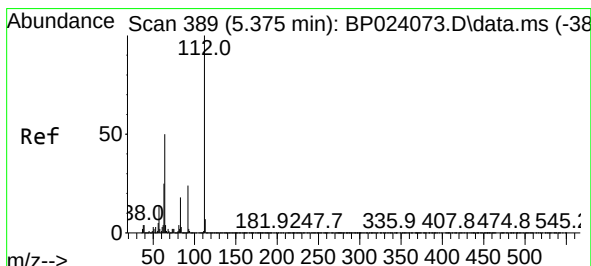
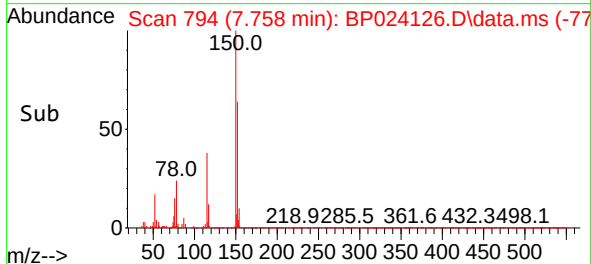
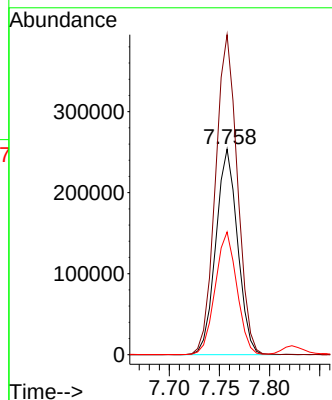
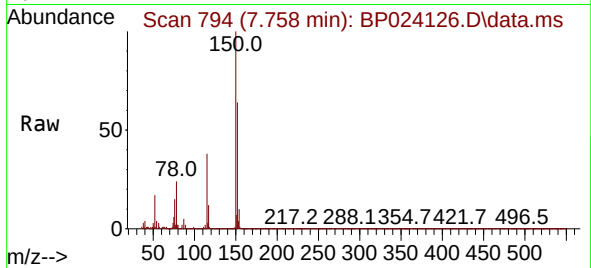




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.758 min Scan# 795
 Delta R.T. -0.005 min
 Lab File: BP024126.D
 Acq: 27 Feb 2025 19:16

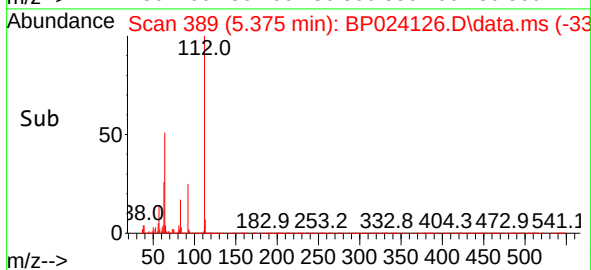
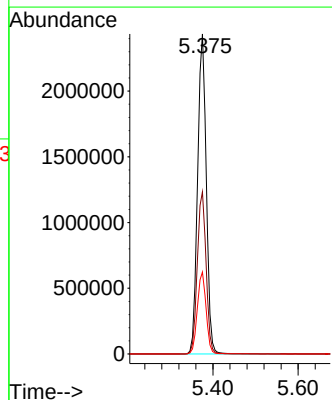
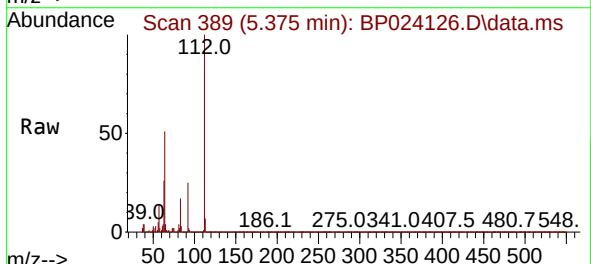
Instrument :
 BNA_P
 ClientSampleId :
 351

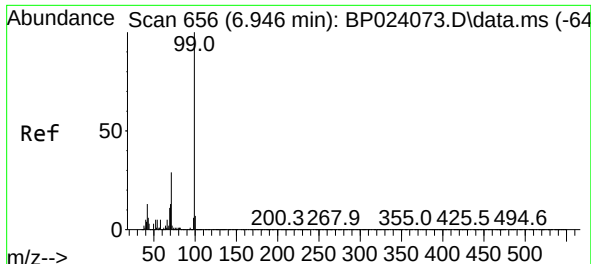
Tgt Ion:152 Resp: 382262
 Ion Ratio Lower Upper
 152 100
 150 155.6 122.4 183.6
 115 59.6 45.0 67.6



#5
 2-Fluorophenol
 Concen: 140.424 ng
 RT: 5.375 min Scan# 389
 Delta R.T. 0.000 min
 Lab File: BP024126.D
 Acq: 27 Feb 2025 19:16

Tgt Ion:112 Resp: 3440151
 Ion Ratio Lower Upper
 112 100
 64 50.6 39.6 59.4
 63 25.6 20.3 30.5



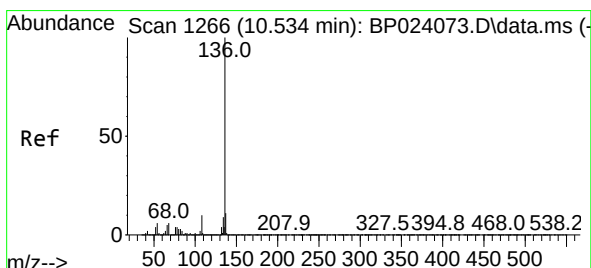
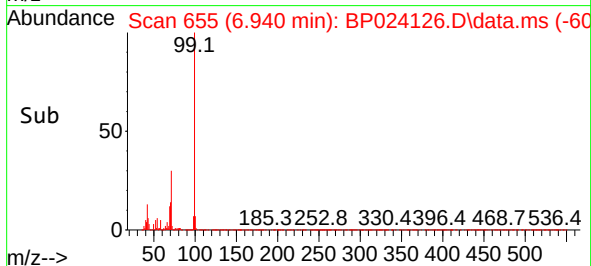
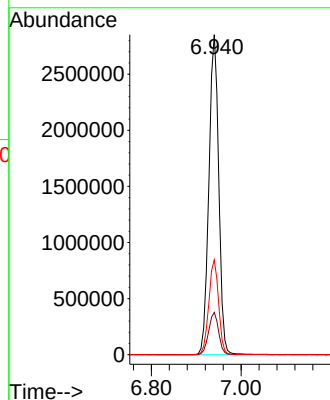
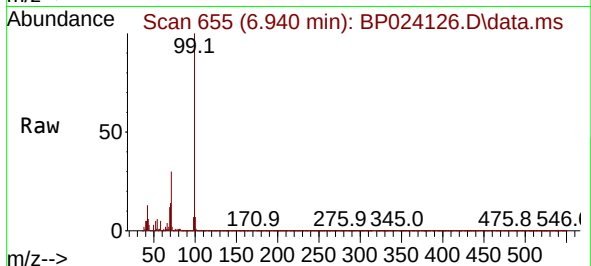


#7
Phenol-d6
Concen: 137.551 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Instrument :
BNA_P
ClientSampleId :
351

Tgt Ion: 99 Resp: 4331064

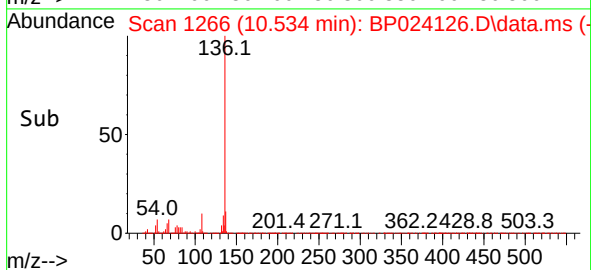
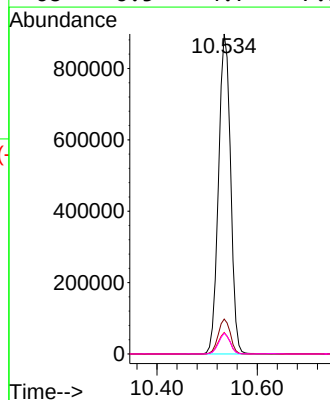
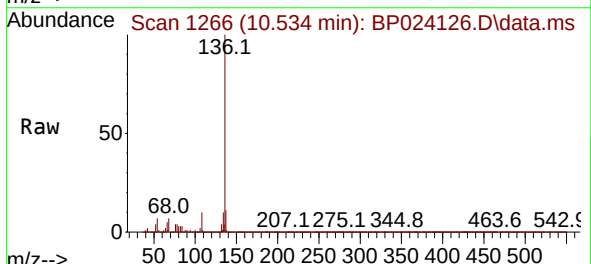
Ion	Ratio	Lower	Upper
99	100		
42	13.2	10.3	15.5
71	29.6	22.9	34.3

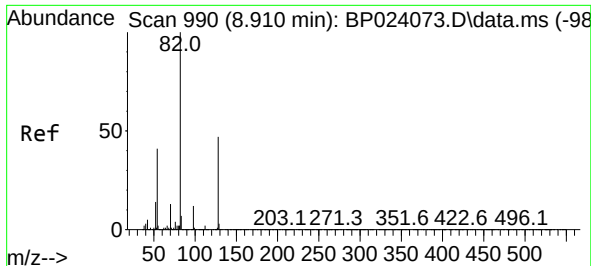


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Tgt Ion:136 Resp: 1493121

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.7	4.9	7.3
68	6.5	4.7	7.1

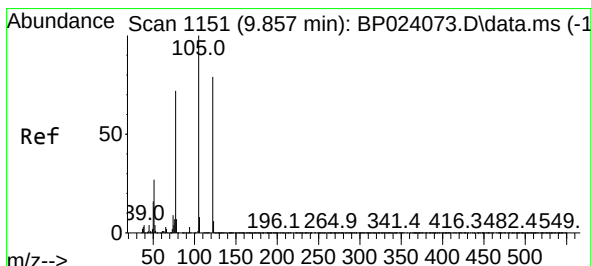
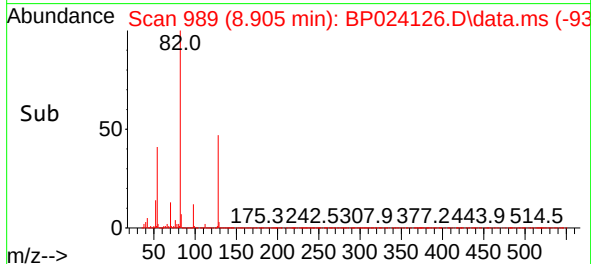
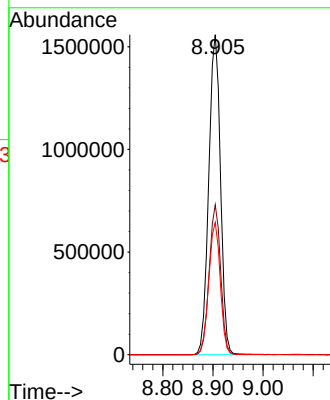
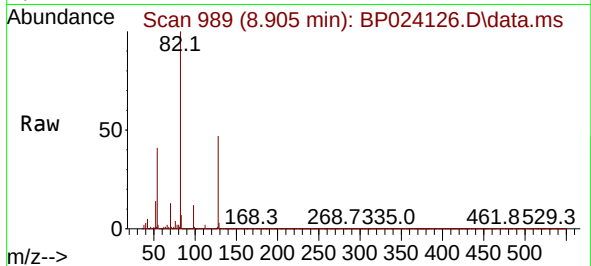




#23
Nitrobenzene-d5
Concen: 94.528 ng
RT: 8.905 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

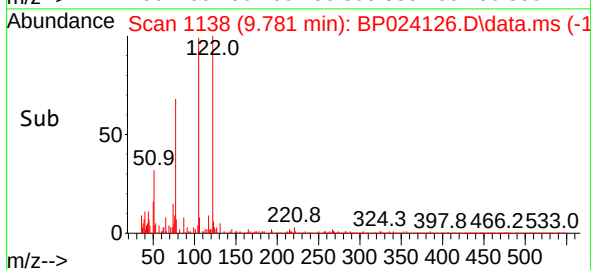
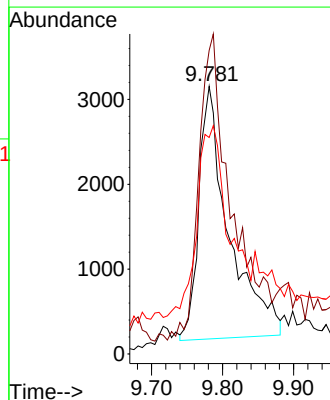
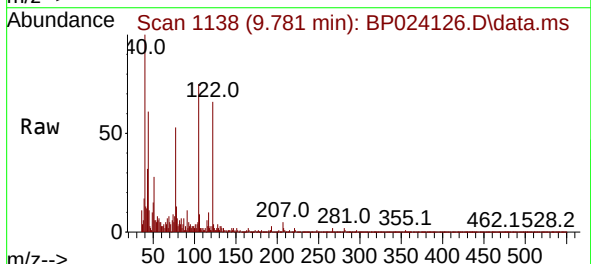
Instrument :
BNA_P
ClientSampleId :
351

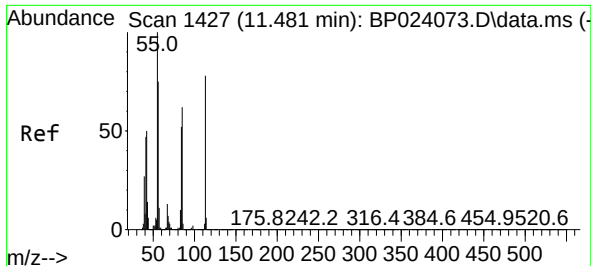
Tgt Ion: 82 Resp: 2529916
Ion Ratio Lower Upper
82 100
128 46.8 37.4 56.2
54 41.3 32.4 48.6



#32
Benzoic acid
Concen: 7.930 ng
RT: 9.781 min Scan# 1138
Delta R.T. -0.076 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Tgt Ion:122 Resp: 8745
Ion Ratio Lower Upper
122 100
105 113.4 103.7 143.7
77 80.9 69.9 109.9

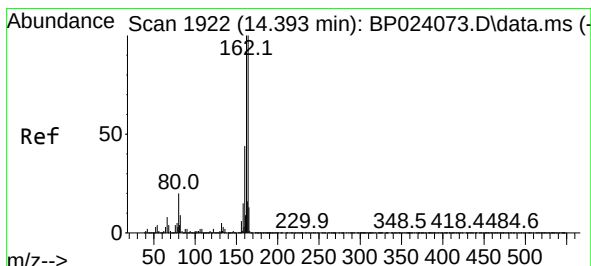
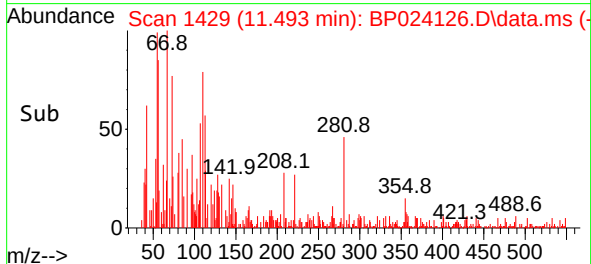
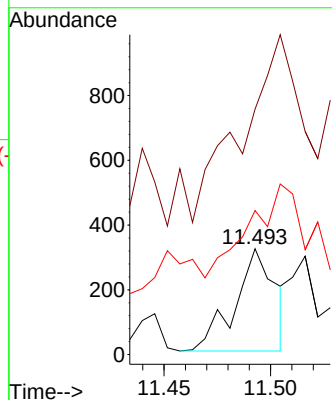
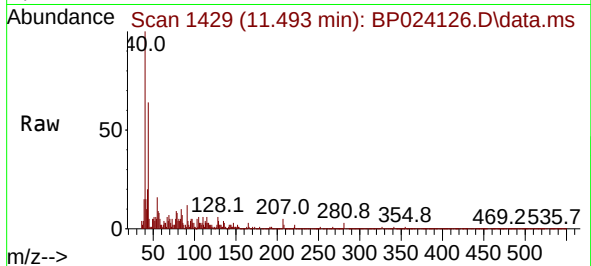




#35
Caprolactam
Concen: 5.624 ng
RT: 11.493 min Scan# 1427
Delta R.T. 0.012 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

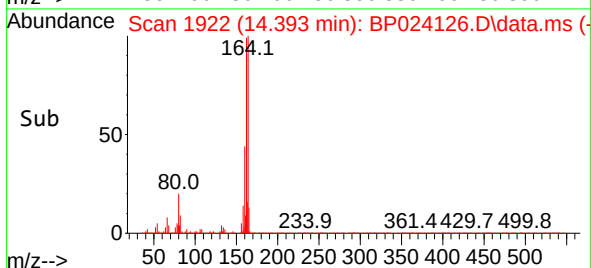
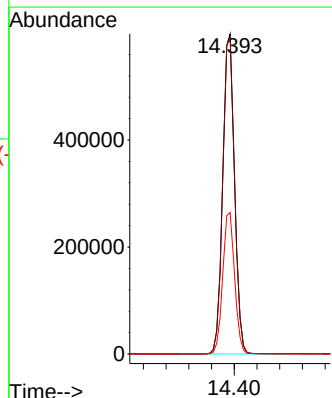
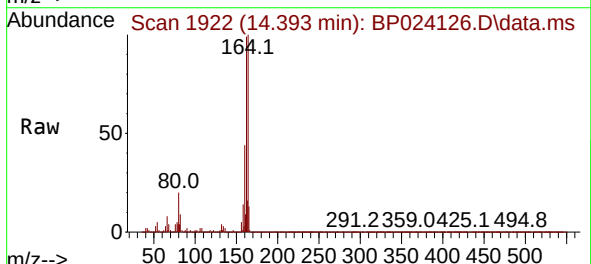
Instrument :
BNA_P
ClientSampleId :
351

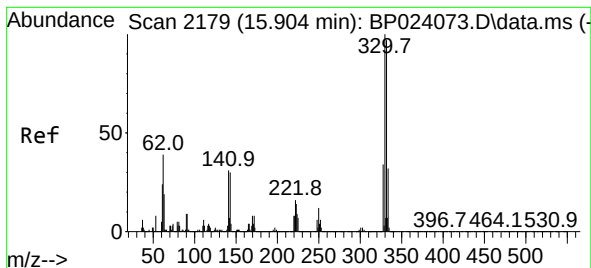
Tgt Ion:113 Resp: 416
Ion Ratio Lower Upper
113 100
55 231.8 108.8 148.8#
56 136.1 76.5 116.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.393 min Scan# 1922
Delta R.T. 0.000 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Tgt Ion:164 Resp: 862761
Ion Ratio Lower Upper
164 100
162 98.8 80.1 120.1
160 44.2 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 151.917 ng

RT: 15.904 min Scan# 2179

Delta R.T. 0.000 min

Lab File: BP024126.D

Acq: 27 Feb 2025 19:16

Instrument :

BNA_P

ClientSampleId :

351

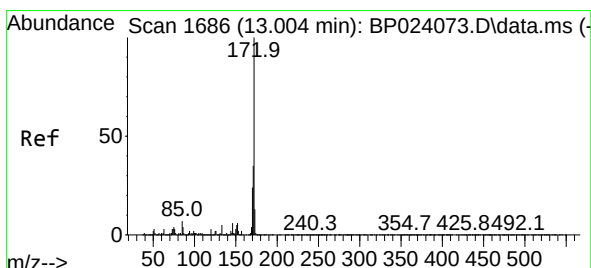
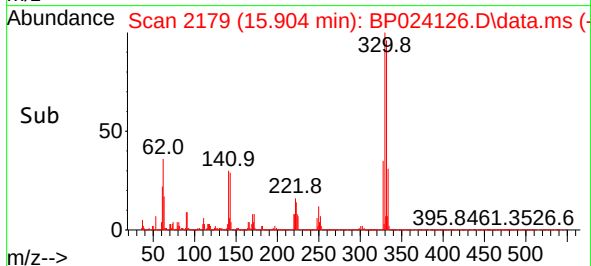
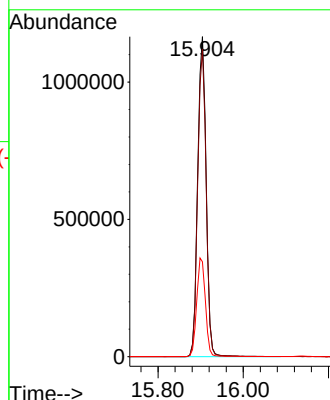
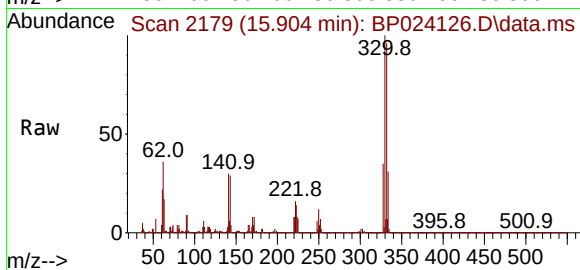
Tgt Ion:330 Resp: 1605433

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.4

141 31.5 28.3 42.5



#45

2-Fluorobiphenyl

Concen: 88.065 ng

RT: 12.999 min Scan# 1685

Delta R.T. -0.006 min

Lab File: BP024126.D

Acq: 27 Feb 2025 19:16

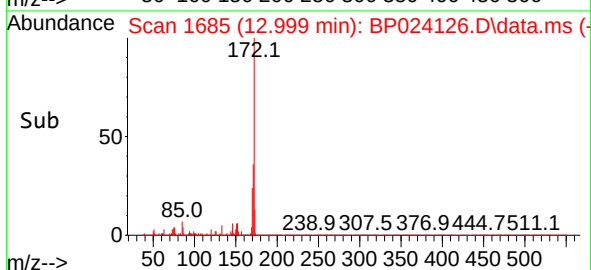
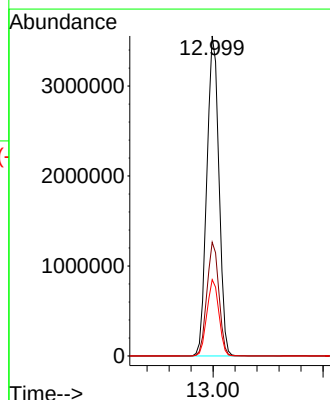
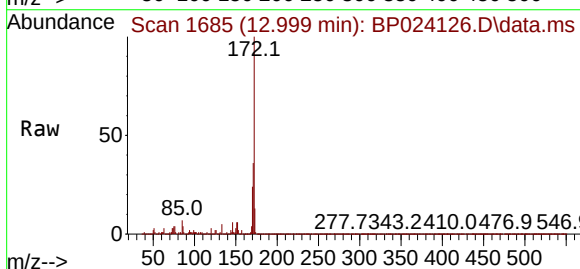
Tgt Ion:172 Resp: 5434858

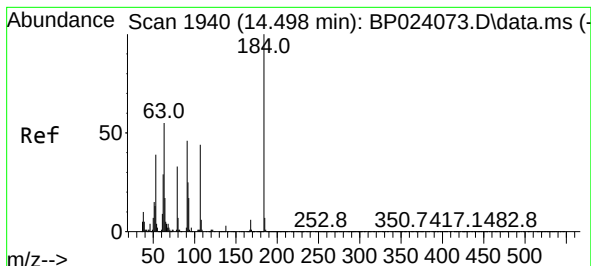
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.2

170 23.8 19.0 28.6

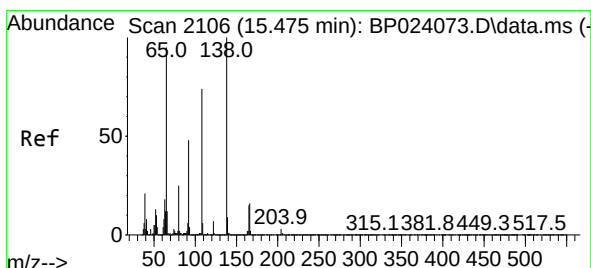
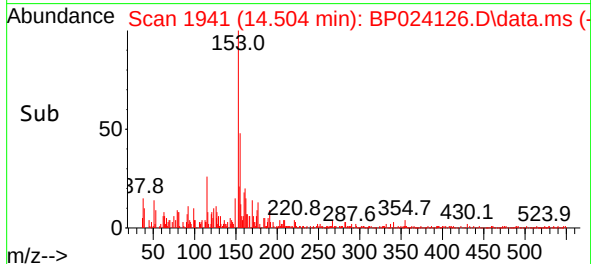
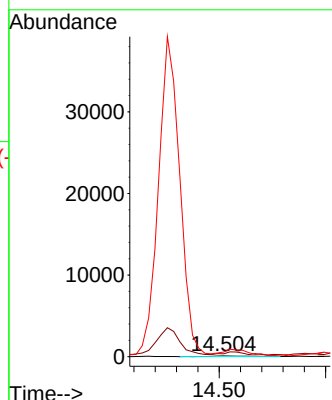
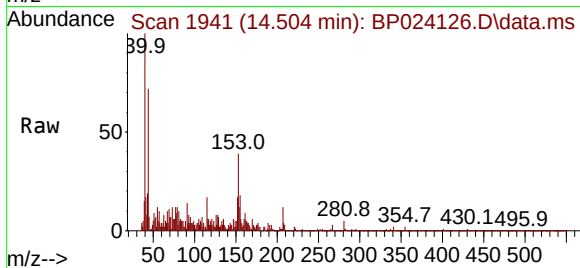




#54
2,4-Dinitrophenol
Concen: 7.808 ng
RT: 14.504 min Scan# 1941
Delta R.T. 0.006 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

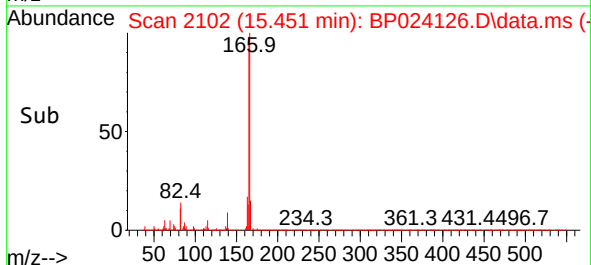
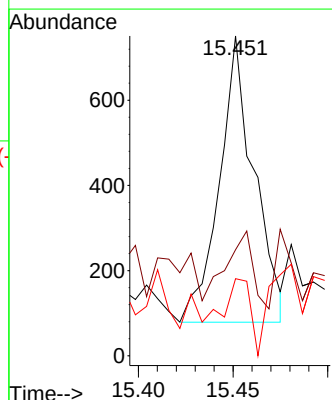
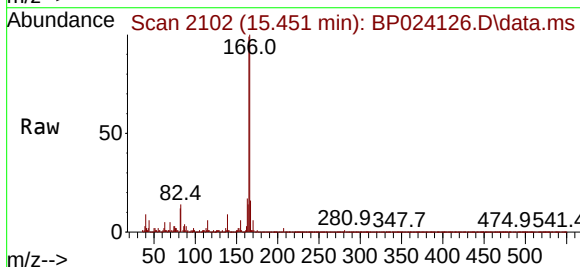
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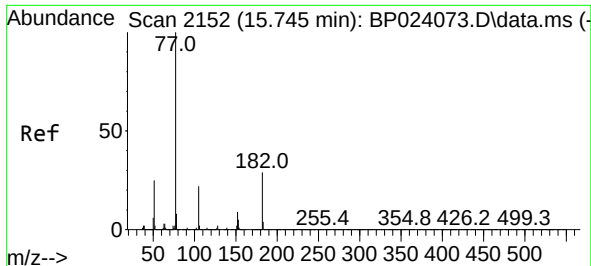
Tgt Ion:184 Resp: 259
Ion Ratio Lower Upper
184 100
63 463.3 49.4 74.0#
154 577.6 49.2 73.8#



#62
4-Nitroaniline
Concen: 3.338 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.024 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Tgt Ion:138 Resp: 855
Ion Ratio Lower Upper
138 100
92 33.2 28.3 68.3
108 24.1 54.0 94.0#

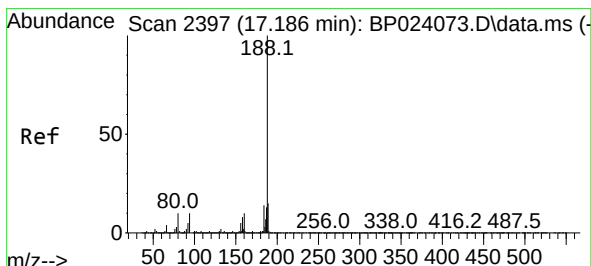
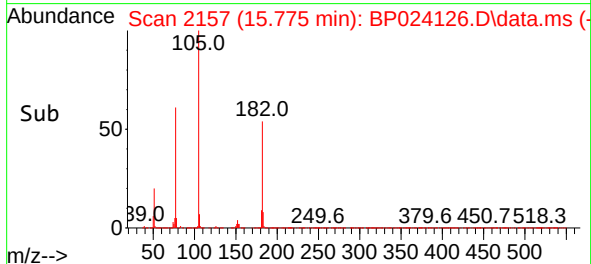
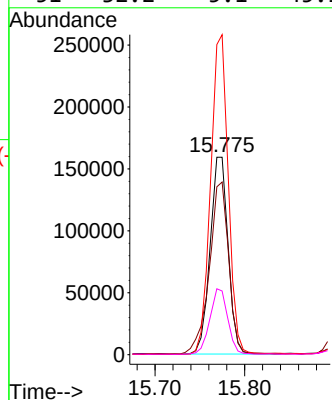
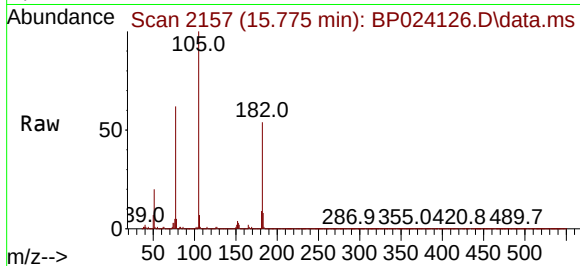




#63
Azobenzene
Concen: 3.913 ng
RT: 15.775 min Scan# 2152
Delta R.T. 0.029 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

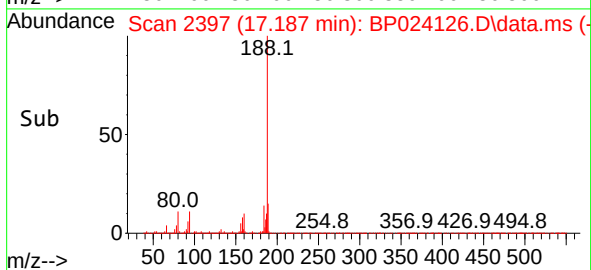
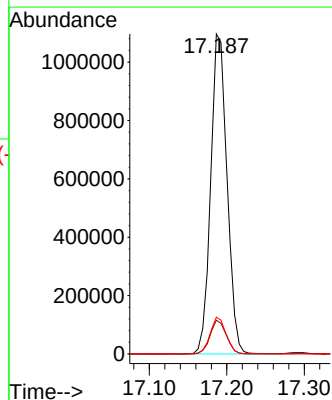
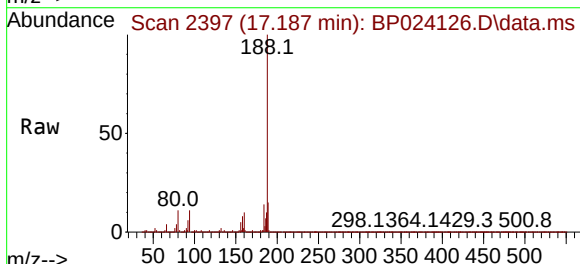
Instrument :
BNA_P
ClientSampleId :
351

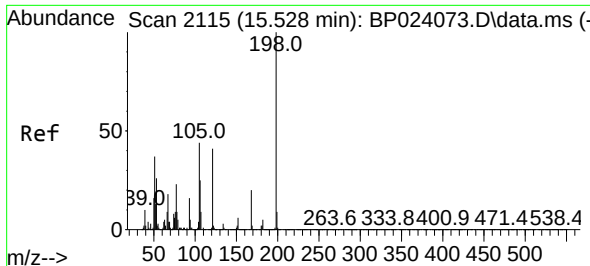
Tgt Ion: 77	Resp: 221493
Ion Ratio	Lower Upper
77 100	
182 87.4	8.5 48.5#
105 162.0	1.8 41.8#
51 32.2	5.1 45.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.187 min Scan# 2397
Delta R.T. 0.000 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Tgt Ion:188	Resp: 1605737		
Ion Ratio	Lower	Upper	
188 100			
94 10.5	7.6	11.4	
80 11.5	8.2	12.2	

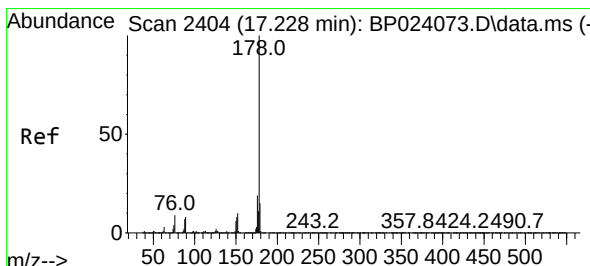
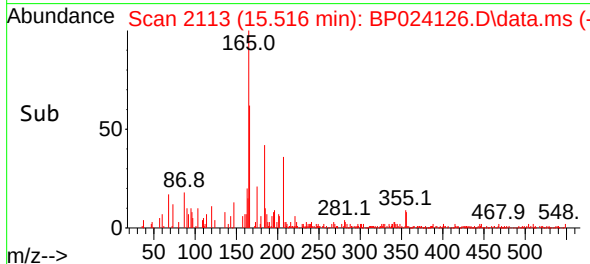
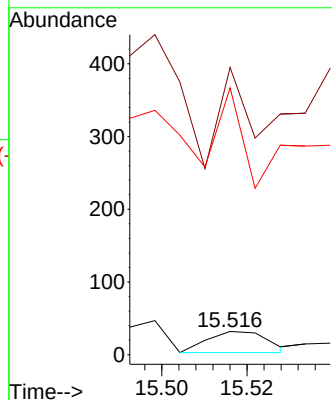
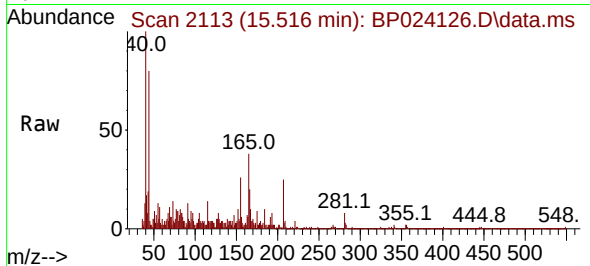




#65
4,6-Dinitro-2-methylphenol
Concen: 6.011 ng
RT: 15.516 min Scan# 2115
Delta R.T. -0.012 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

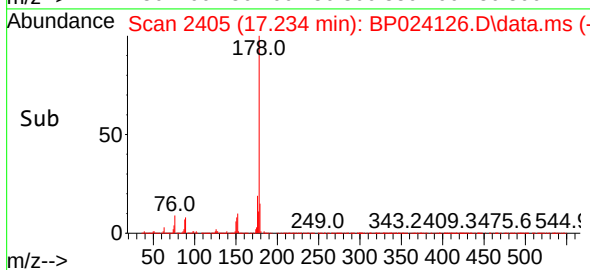
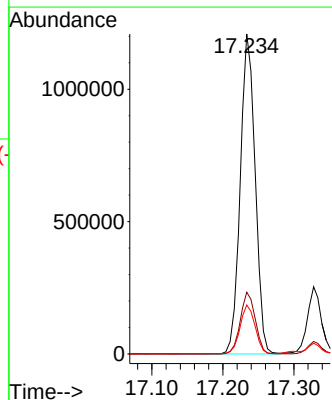
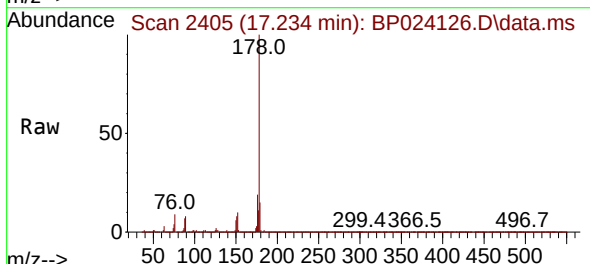
Instrument :
BNA_P
ClientSampleId :
351

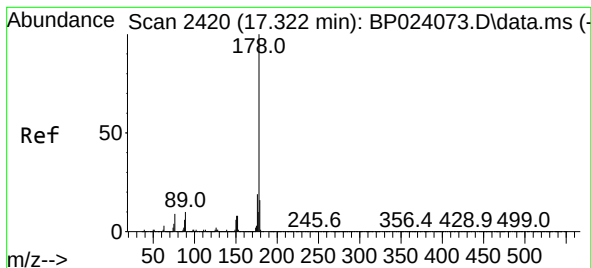
Tgt Ion:198 Resp: 29
Ion Ratio Lower Upper
198 100
51 1234.4 18.7 58.7#
105 1146.9 24.7 64.7#



#71
Phenanthrene
Concen: 19.532 ng
RT: 17.234 min Scan# 2405
Delta R.T. 0.006 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Tgt Ion:178 Resp: 1768218
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.3 12.4 18.6





#72

Anthracene

Concen: 3.875 ng

RT: 17.328 min Scan# 24

Delta R.T. 0.006 min

Lab File: BP024126.D

Acq: 27 Feb 2025 19:16

Instrument :

BNA_P

ClientSampleId :

351

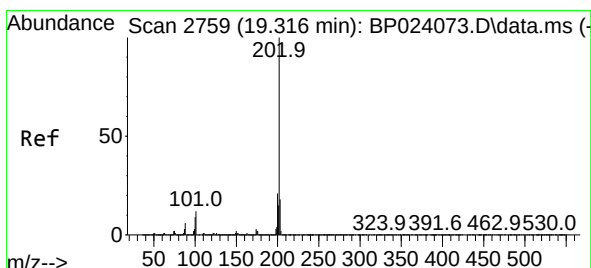
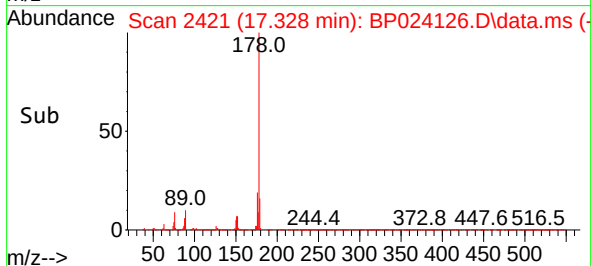
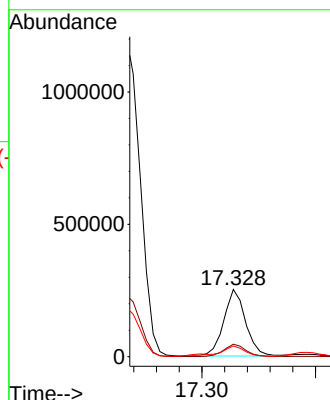
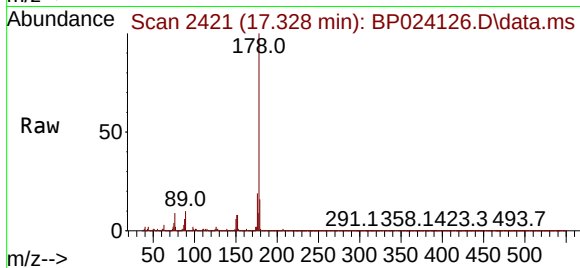
Tgt Ion:178 Resp: 336171

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

179 15.8 12.6 19.0



#75

Fluoranthene

Concen: 32.157 ng

RT: 19.322 min Scan# 2760

Delta R.T. 0.006 min

Lab File: BP024126.D

Acq: 27 Feb 2025 19:16

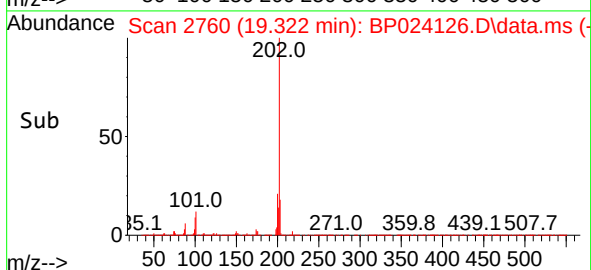
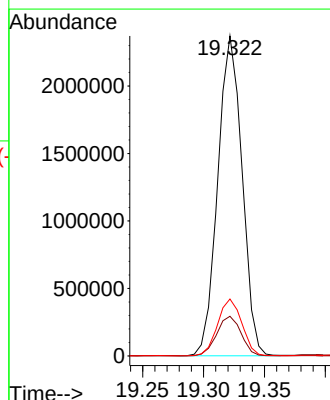
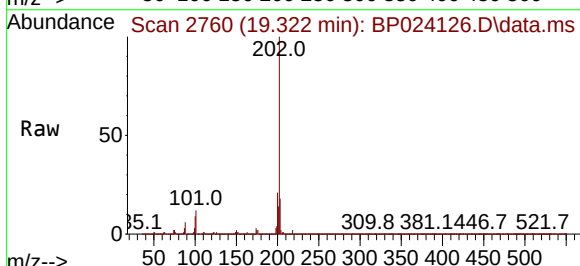
Tgt Ion:202 Resp: 3292755

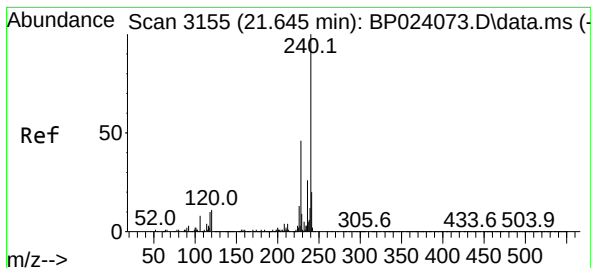
Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.9

203 17.8 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.645 min Scan# 3155

Delta R.T. 0.000 min

Lab File: BP024126.D

Acq: 27 Feb 2025 19:16

Instrument :

BNA_P

ClientSampleId :

351

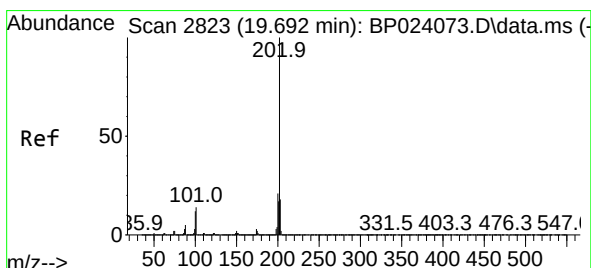
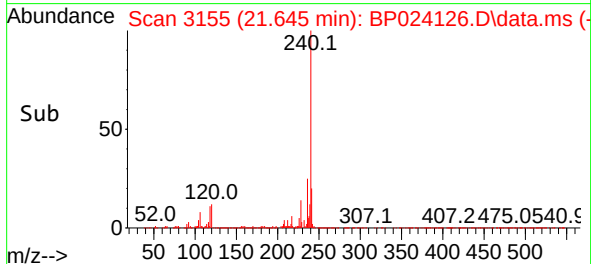
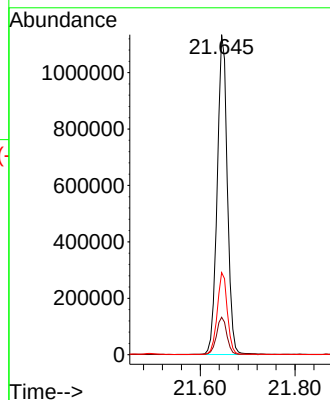
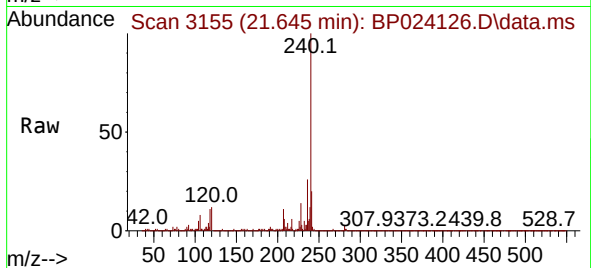
Tgt Ion:240 Resp: 1682209

Ion Ratio Lower Upper

240 100

120 11.7 8.9 13.3

236 25.6 20.7 31.1



#78

Pyrene

Concen: 25.161 ng

RT: 19.698 min Scan# 2824

Delta R.T. 0.006 min

Lab File: BP024126.D

Acq: 27 Feb 2025 19:16

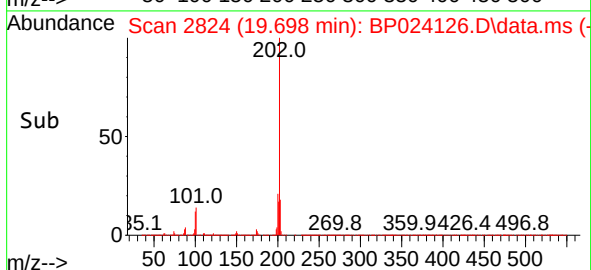
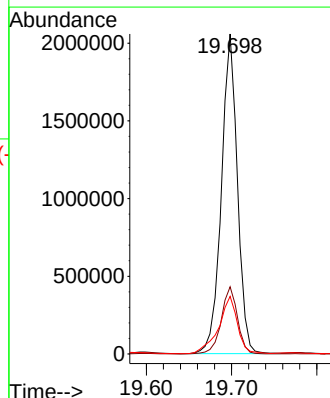
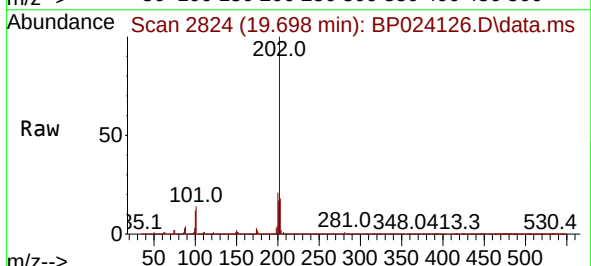
Tgt Ion:202 Resp: 2688495

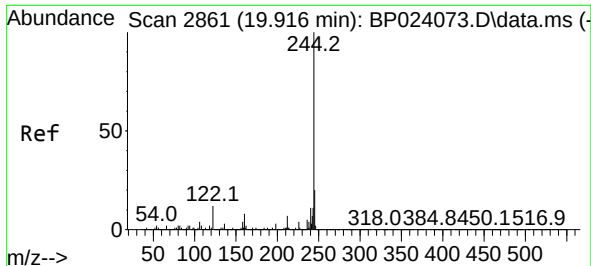
Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

203 18.0 14.4 21.6

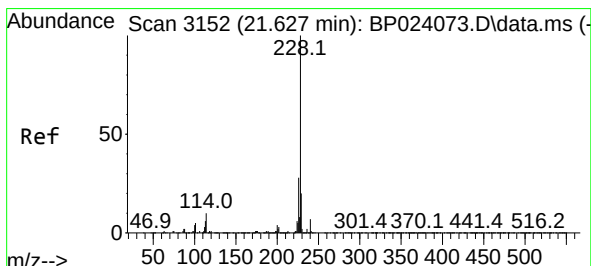
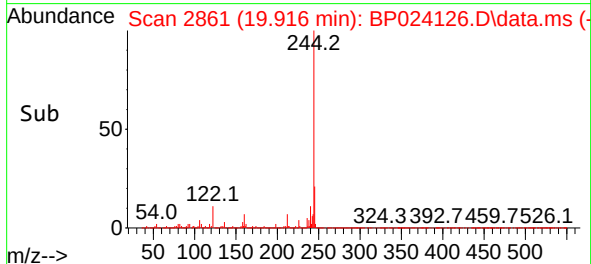
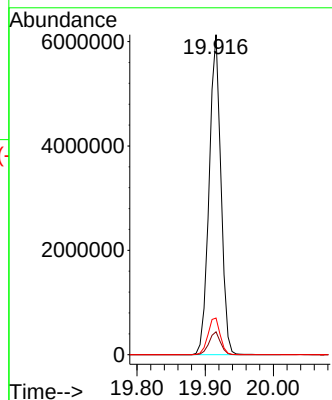
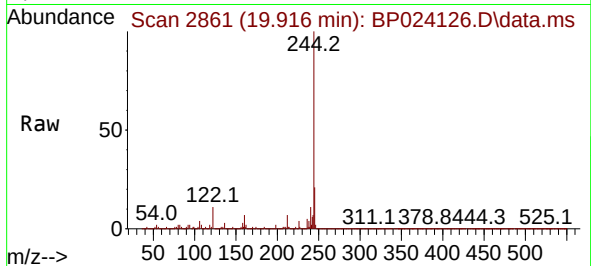




#79
 Terphenyl-d14
 Concen: 86.591 ng
 RT: 19.916 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: BP024126.D
 Acq: 27 Feb 2025 19:16

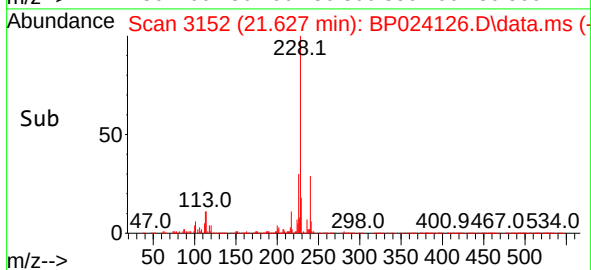
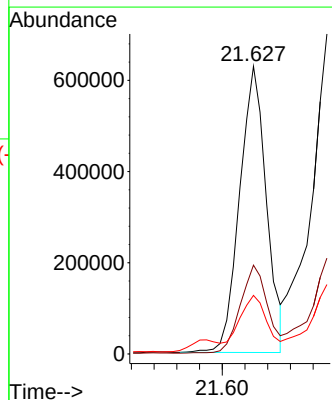
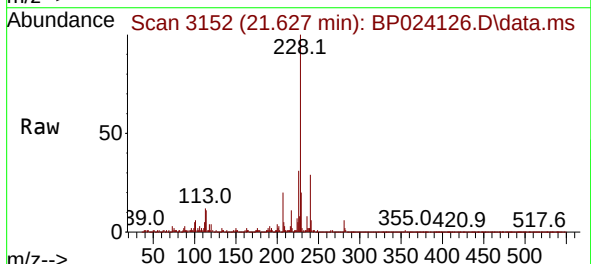
Instrument :
 BNA_P
 ClientSampleId :
 351

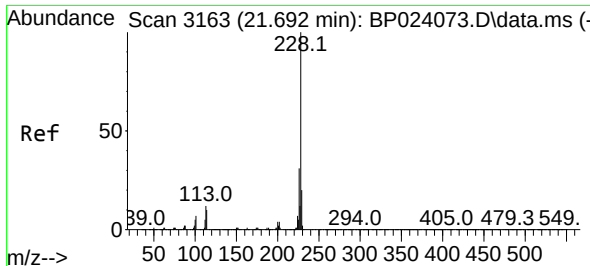
Tgt Ion:244 Resp: 7361476
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 11.4 9.4 14.2



#81
 Benzo(a)anthracene
 Concen: 9.735 ng
 RT: 21.627 min Scan# 3152
 Delta R.T. 0.000 min
 Lab File: BP024126.D
 Acq: 27 Feb 2025 19:16

Tgt Ion:228 Resp: 1026868
 Ion Ratio Lower Upper
 228 100
 226 30.9 22.2 33.4
 229 20.4 15.8 23.8

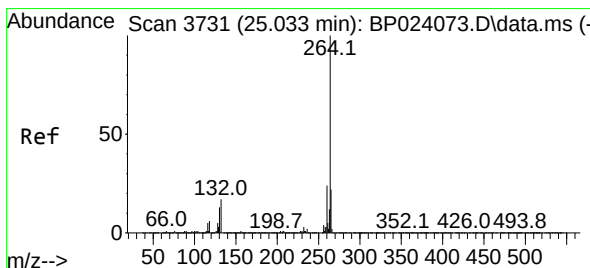
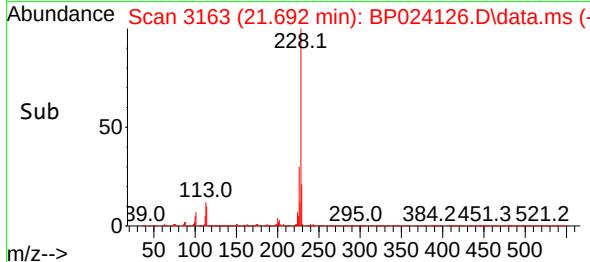
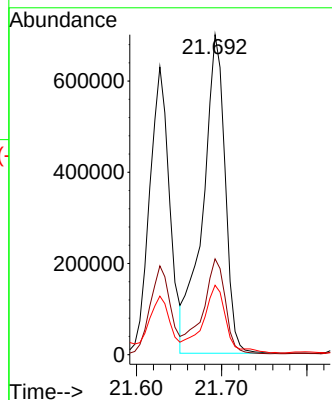
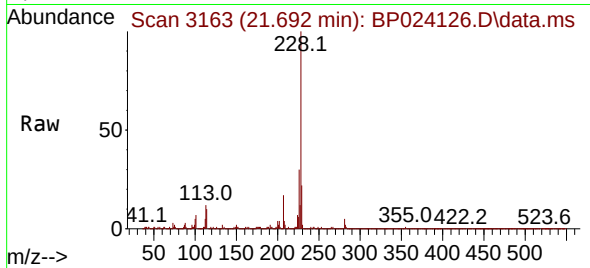




#83
Chrysene
Concen: 12.470 ng
RT: 21.692 min Scan# 3163
Delta R.T. 0.000 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

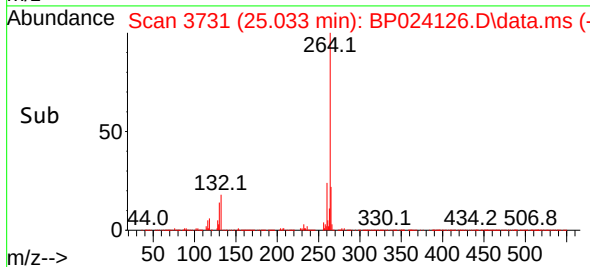
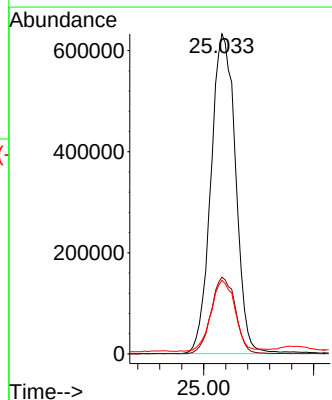
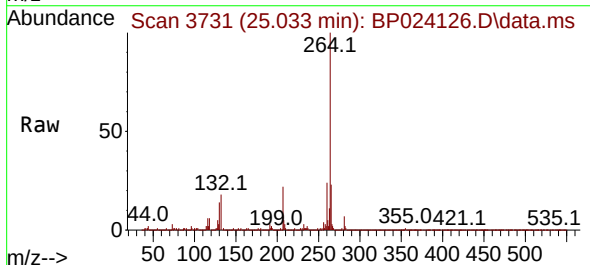
Instrument :
BNA_P
ClientSampleId :
351

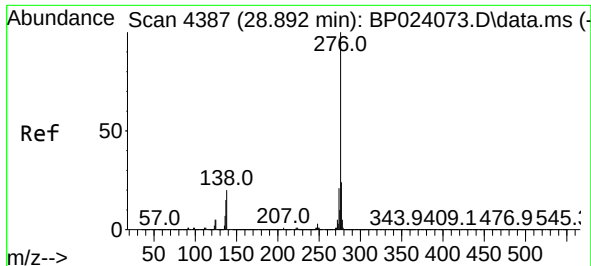
Tgt Ion:228 Resp: 1268339
Ion Ratio Lower Upper
228 100
226 30.0 24.5 36.7
229 21.7 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.033 min Scan# 3731
Delta R.T. 0.000 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Tgt Ion:264 Resp: 1959839
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.6
265 23.0 17.8 26.8

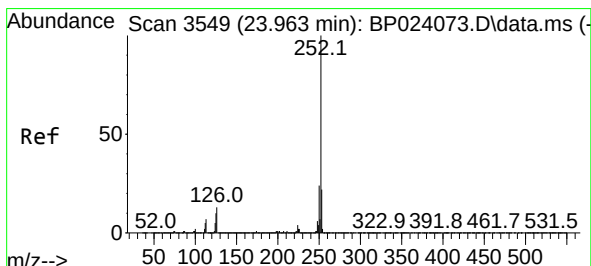
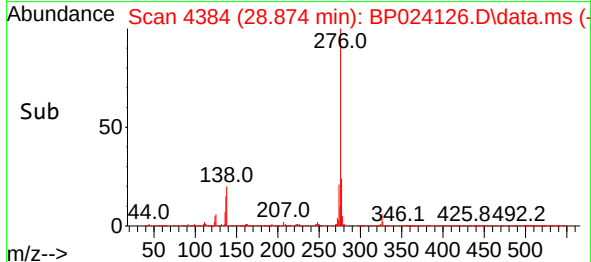
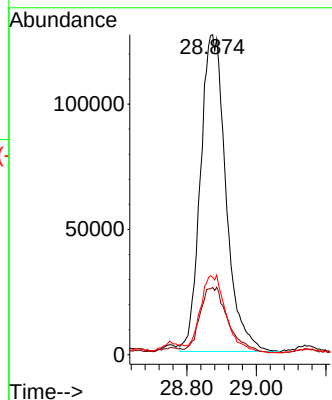
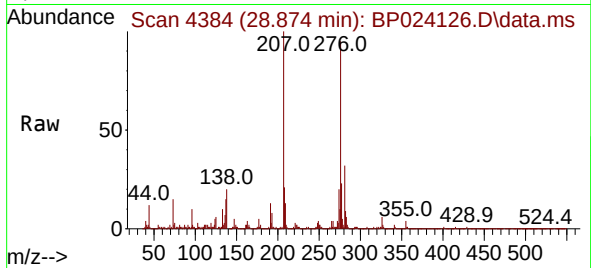




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.609 ng
 RT: 28.874 min Scan# 41
 Delta R.T. -0.018 min
 Lab File: BP024126.D
 Acq: 27 Feb 2025 19:16

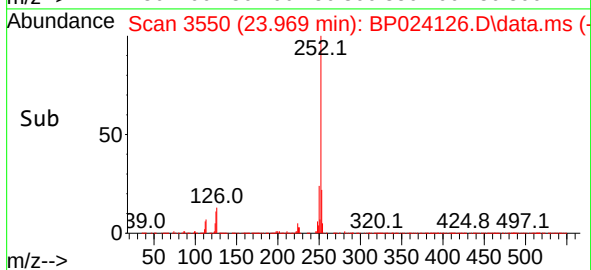
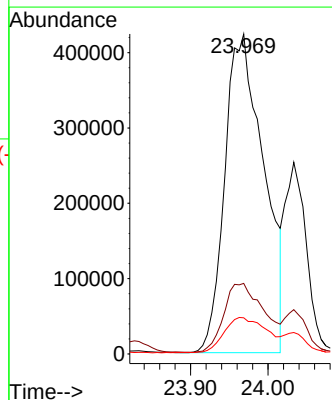
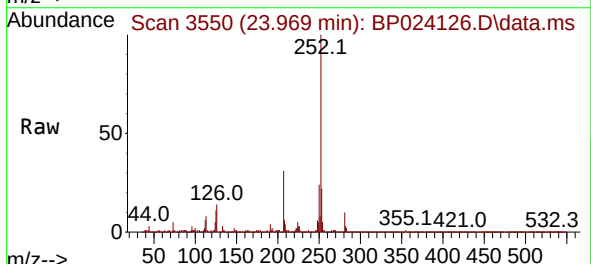
Instrument :
 BNA_P
 ClientSampleId :
 351

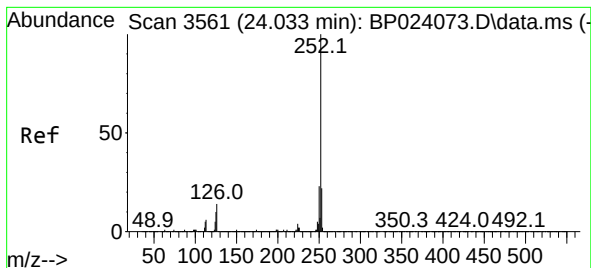
Tgt Ion:276 Resp: 642596
 Ion Ratio Lower Upper
 276 100
 138 22.8 14.2 21.4#
 277 24.4 16.2 24.4#



#88
 Benzo(b)fluoranthene
 Concen: 11.928 ng
 RT: 23.969 min Scan# 3550
 Delta R.T. 0.006 min
 Lab File: BP024126.D
 Acq: 27 Feb 2025 19:16

Tgt Ion:252 Resp: 1484450
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.8 26.6
 125 11.3 8.4 12.6





#89

Benzo(k)fluoranthene

Concen: 3.954 ng

RT: 24.033 min Scan# 3561

Delta R.T. 0.000 min

Lab File: BP024126.D

Acq: 27 Feb 2025 19:16

Instrument :

BNP_P

ClientSampleId :

351

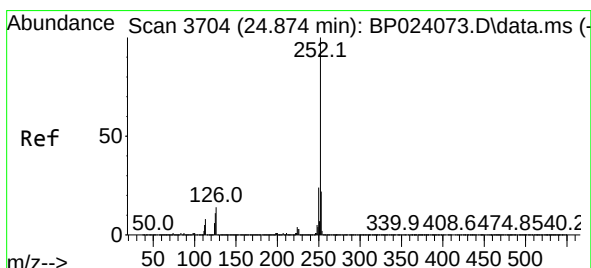
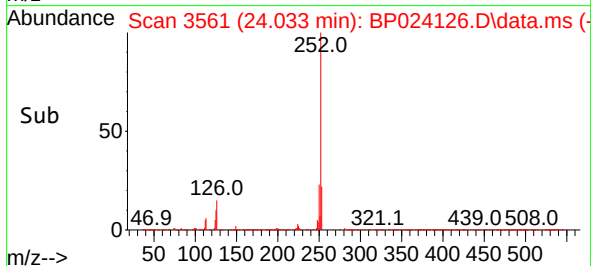
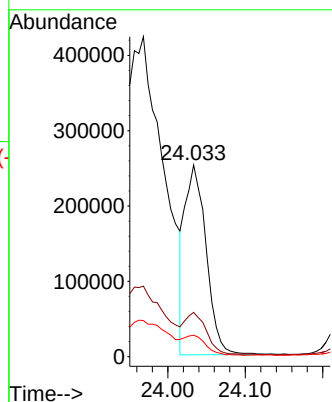
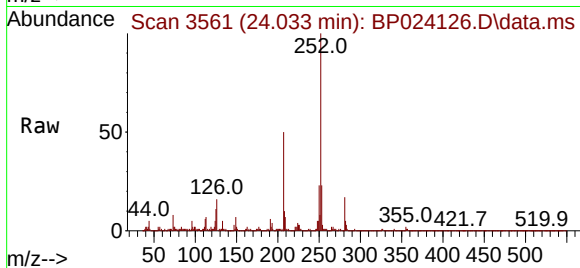
Tgt Ion:252 Resp: 478962

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

125 11.2 8.1 12.1



#90

Benzo(a)pyrene

Concen: 8.565 ng

RT: 24.874 min Scan# 3704

Delta R.T. 0.000 min

Lab File: BP024126.D

Acq: 27 Feb 2025 19:16

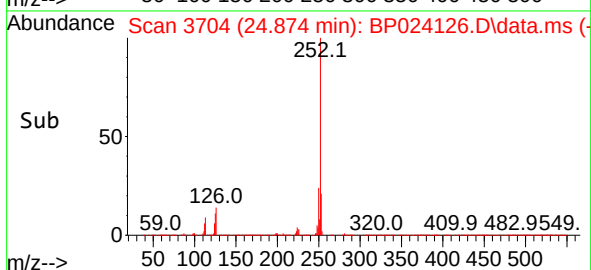
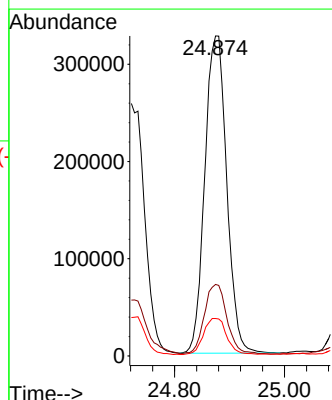
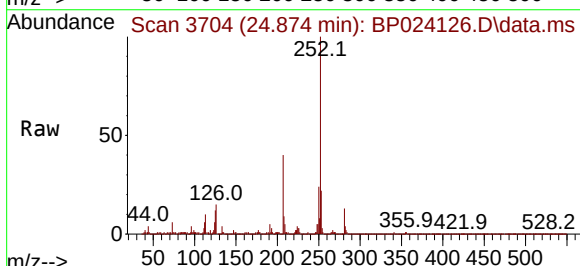
Tgt Ion:252 Resp: 904593

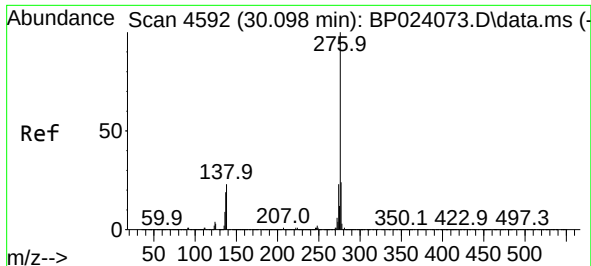
Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 11.7 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 5.354 ng
 RT: 30.068 min Scan# 41
 Delta R.T. -0.029 min
 Lab File: BP024126.D
 Acq: 27 Feb 2025 19:16

Instrument :
 BNA_P
 ClientSampleId :
 351

Tgt Ion:276 Resp: 636911
 Ion Ratio Lower Upper
 276 100
 277 24.9 18.9 28.3
 138 21.2 18.1 27.1

