

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
 Data File : BP024934.D
 Acq On : 12 Jun 2025 17:55
 Operator : RC/JU
 Sample : Q2296-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-1

Quant Time: Jun 12 18:33:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

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

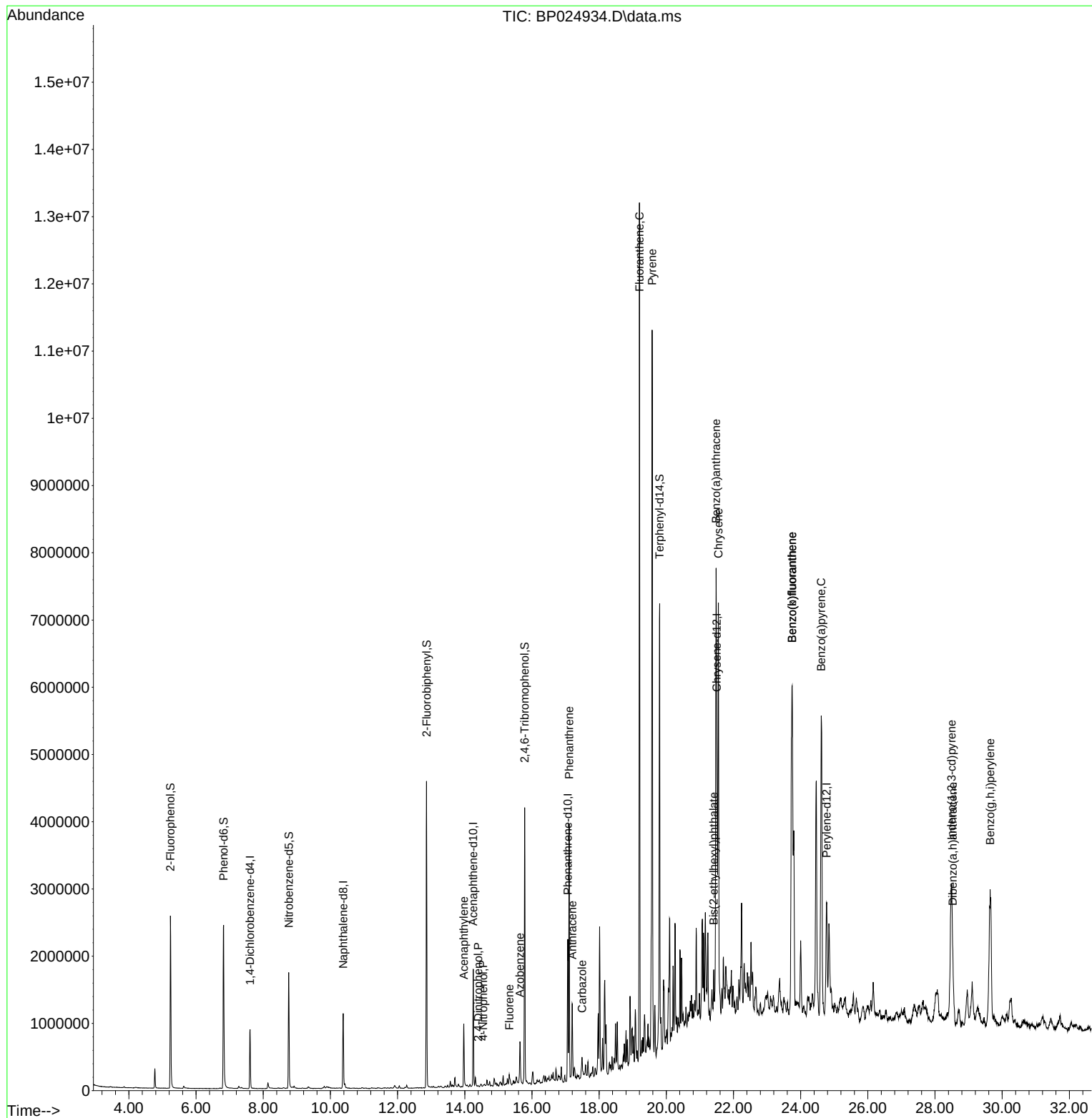
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	249029	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	975728	20.000	ng	0.00
39) Acenaphthene-d10	14.249	164	609284	20.000	ng	0.00
64) Phenanthrene-d10	17.066	188	1239557	20.000	ng	0.00
76) Chrysene-d12	21.501	240	1351212	20.000	ng	0.02
86) Perylene-d12	24.772	264	1630054	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1215882	81.499	ng	0.00
7) Phenol-d6	6.819	99	1638667	83.015	ng	0.00
23) Nitrobenzene-d5	8.761	82	1030766	51.334	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	815547	96.816	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	2192282	48.471	ng	0.00
79) Terphenyl-d14	19.801	244	3403420	45.143	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.972	152	741697	13.071	ng	99
54) 2,4-Dinitrophenol	14.396	184	98	5.578	ng	# 1
56) 4-Nitrophenol	14.549	139	442	5.458	ng	# 62
58) Fluorene	15.325	166	99937	2.370	ng	99
63) Azobenzene	15.643	77	191060	4.651	ng	# 1
71) Phenanthrene	17.107	178	2068977	30.204	ng	100
72) Anthracene	17.201	178	848303	12.228	ng	99
73) Carbazole	17.490	167	190351	2.960	ng	98
75) Fluoranthene	19.201	202	6435553	81.058	ng	98
78) Pyrene	19.578	202	6668829	78.999	ng	99
81) Benzo(a)anthracene	21.483	228	4249587	49.173	ng	95
83) Chrysene	21.548	228	4306396	52.590	ng	97
84) Bis(2-ethylhexyl)phtha...	21.413	149	227643	4.109	ng	99
87) Indeno(1,2,3-cd)pyrene	28.495	276	3678185	30.927	ng	96
88) Benzo(b)fluoranthene	23.742	252	6502479	69.703	ng	98
89) Benzo(k)fluoranthene	23.742	252	6502479	68.477	ng	99
90) Benzo(a)pyrene	24.613	252	4930705	54.122	ng	98
91) Dibenzo(a,h)anthracene	28.530	278	992070	10.248	ng	# 92
92) Benzo(g,h,i)perylene	29.642	276	3742883	38.967	ng	99

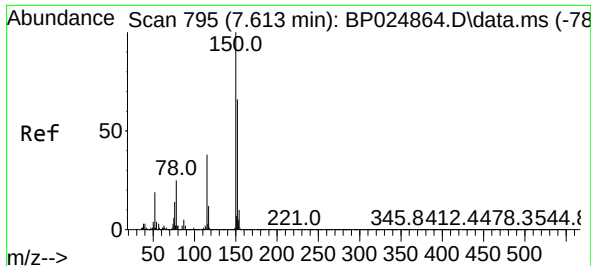
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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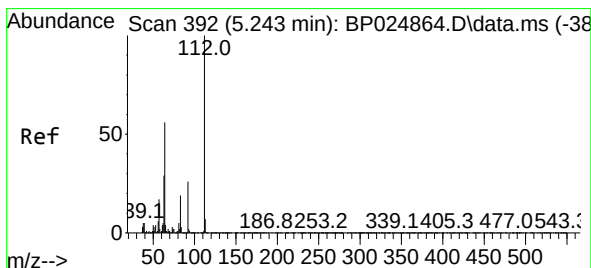
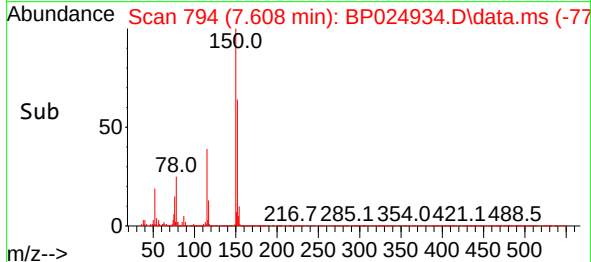
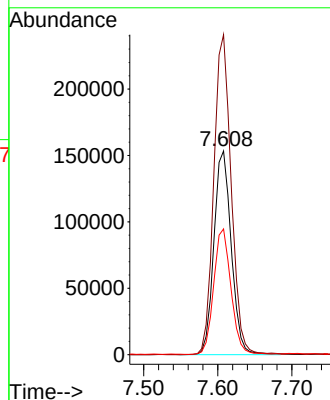
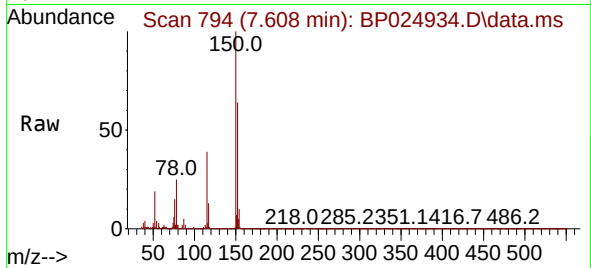




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024934.D
Acq: 12 Jun 2025 17:55

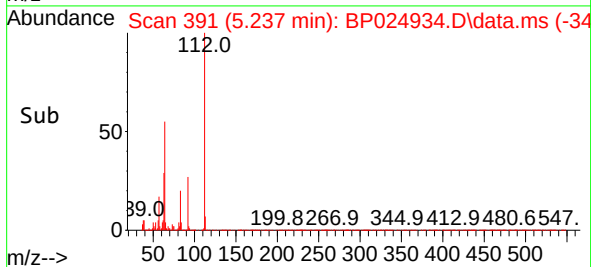
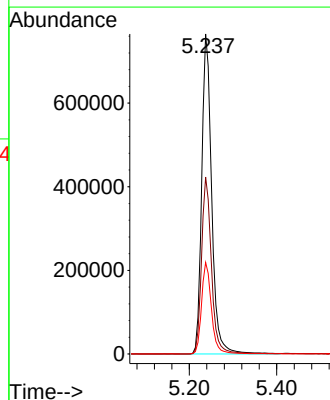
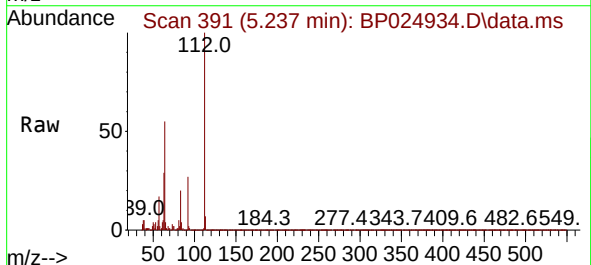
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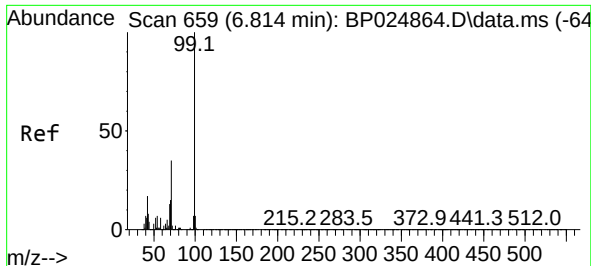
Tgt Ion:152 Resp: 249029
Ion Ratio Lower Upper
152 100
150 157.2 122.1 183.1
115 61.8 46.4 69.6



#5
2-Fluorophenol
Concen: 81.499 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024934.D
Acq: 12 Jun 2025 17:55

Tgt Ion:112 Resp: 1215882
Ion Ratio Lower Upper
112 100
64 55.3 44.7 67.1
63 28.6 23.5 35.3

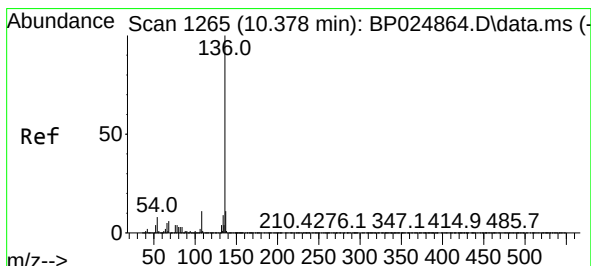
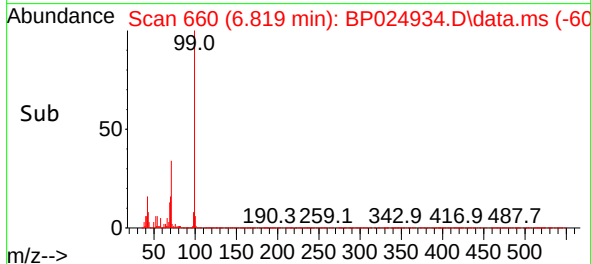
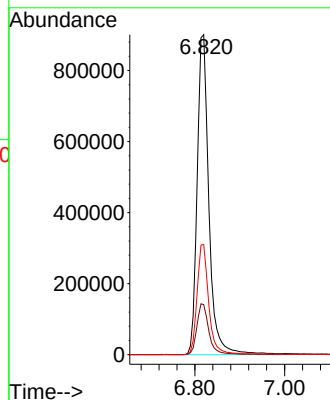
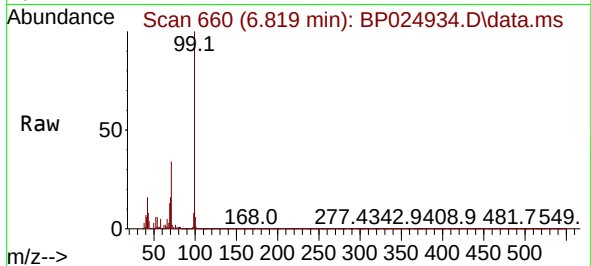




#7
Phenol-d6
Concen: 83.015 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP024934.D
Acq: 12 Jun 2025 17:55

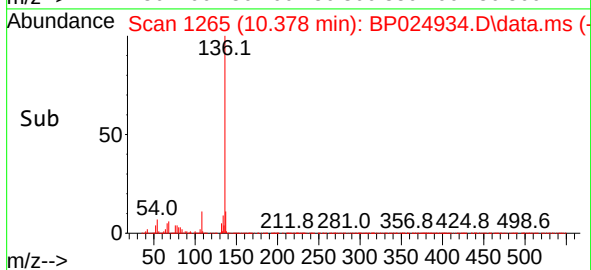
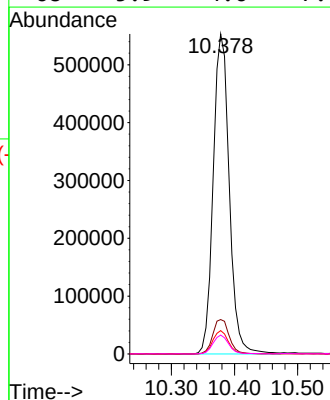
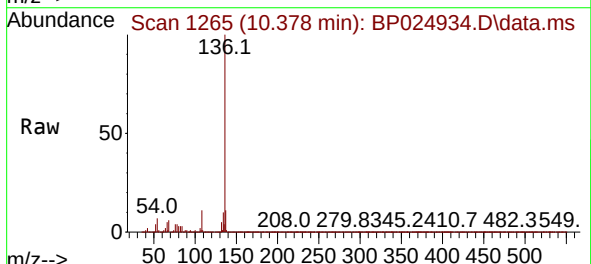
Instrument :
BNA_P
ClientSampleId :
WC-1

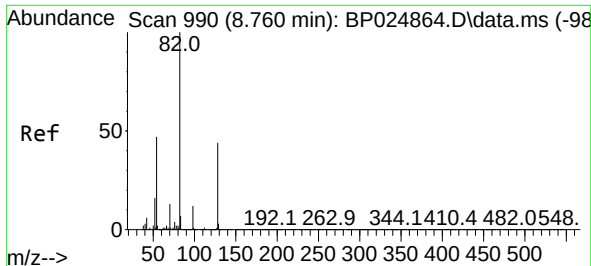
Tgt Ion: 99 Resp: 1638667
Ion Ratio Lower Upper
99 100
42 15.7 13.4 20.2
71 34.4 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024934.D
Acq: 12 Jun 2025 17:55

Tgt Ion: 136 Resp: 975728
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.3 6.1 9.1
68 5.9 4.6 7.0

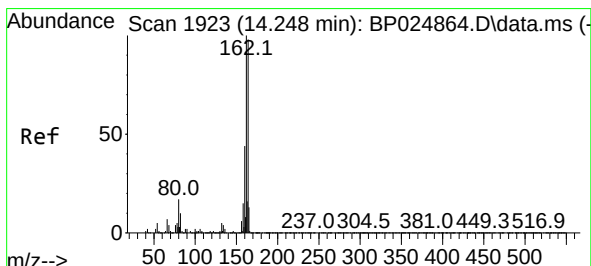
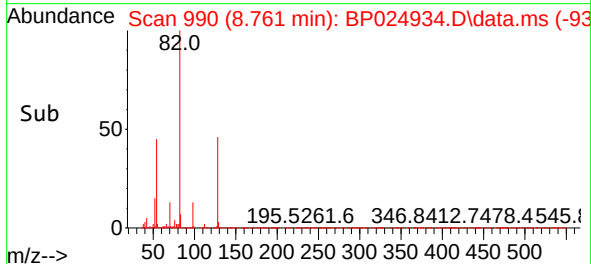
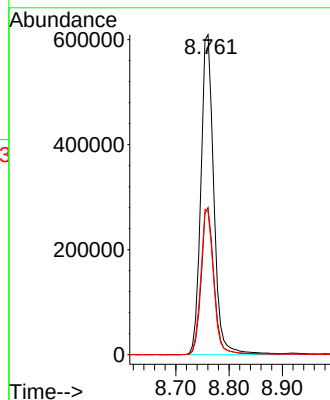
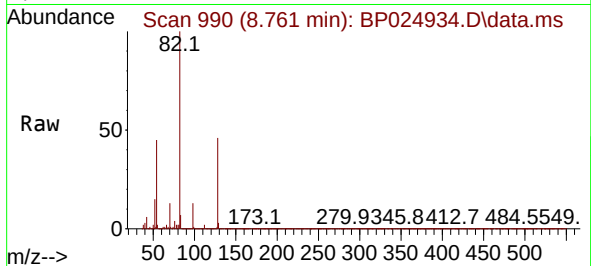




#23
Nitrobenzene-d5
Concen: 51.334 ng
RT: 8.761 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP024934.D
Acq: 12 Jun 2025 17:55

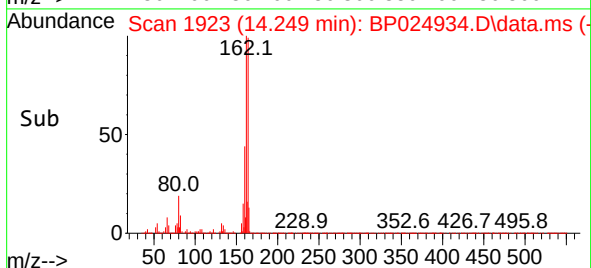
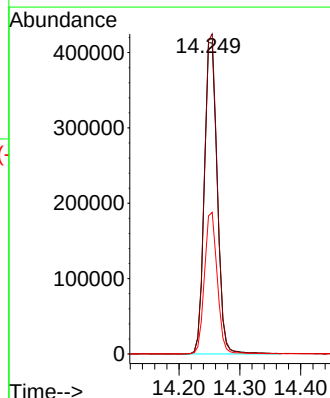
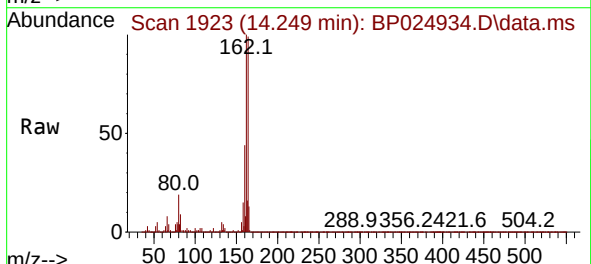
Instrument :
BNA_P
ClientSampleId :
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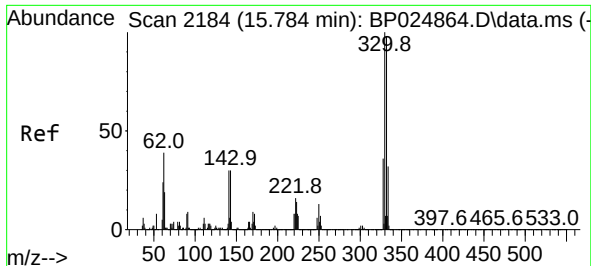
Tgt Ion: 82 Resp: 1030766
Ion Ratio Lower Upper
82 100
128 46.0 35.3 52.9
54 44.7 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.249 min Scan# 1923
Delta R.T. 0.000 min
Lab File: BP024934.D
Acq: 12 Jun 2025 17:55

Tgt Ion:164 Resp: 609284
Ion Ratio Lower Upper
164 100
162 100.7 81.6 122.4
160 44.4 36.2 54.2

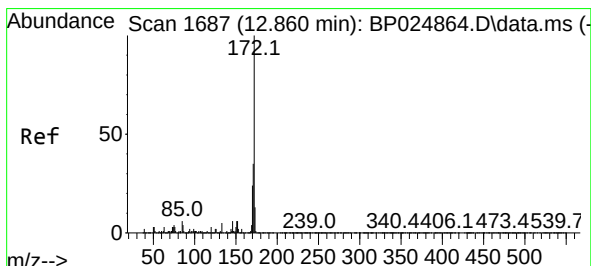
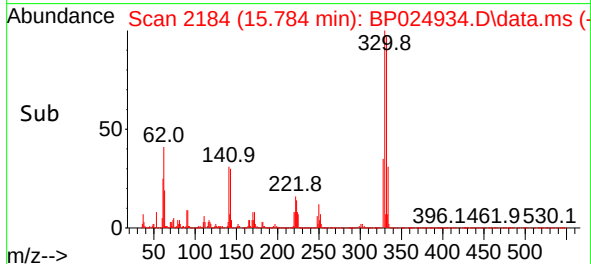
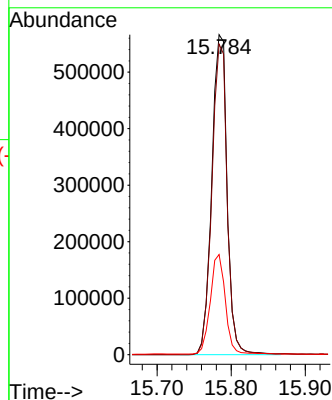
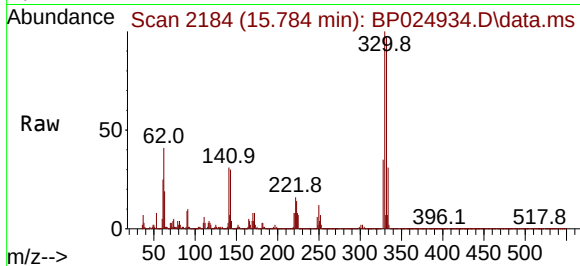




#42
2,4,6-Tribromophenol
Concen: 96.816 ng
RT: 15.784 min Scan# 2184
Delta R.T. 0.000 min
Lab File: BP024934.D
Acq: 12 Jun 2025 17:55

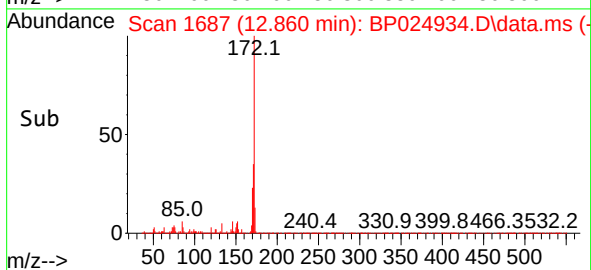
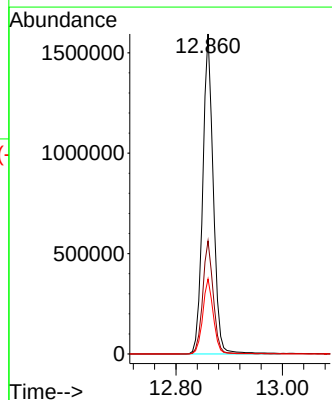
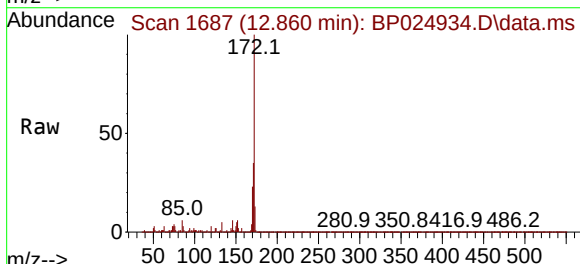
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BNA_P
ClientSampleId :
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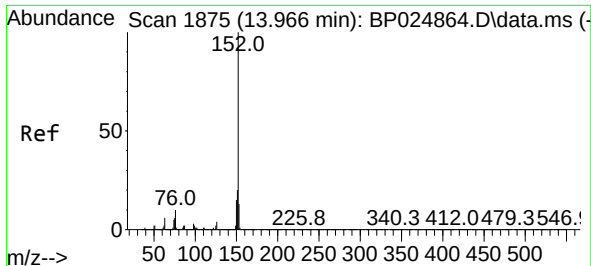
Tgt Ion:330 Resp: 815547
Ion Ratio Lower Upper
330 100
332 96.8 77.7 116.5
141 30.4 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 48.471 ng
RT: 12.860 min Scan# 1687
Delta R.T. 0.000 min
Lab File: BP024934.D
Acq: 12 Jun 2025 17:55

Tgt Ion:172 Resp: 2192282
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 23.4 19.0 28.4

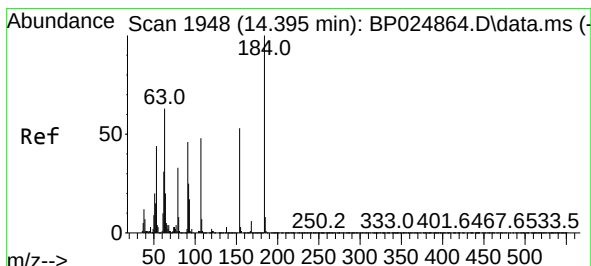
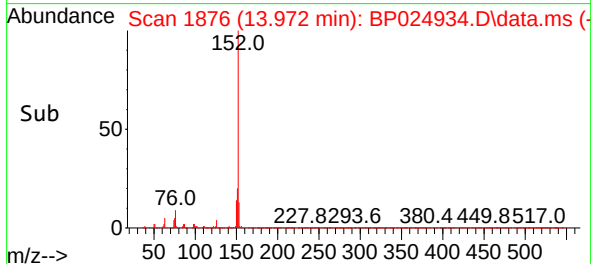
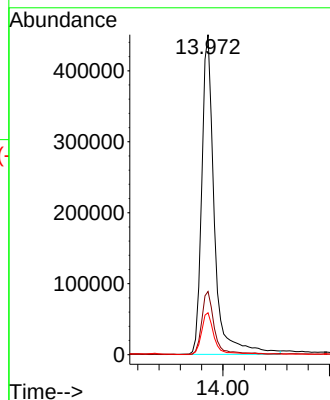
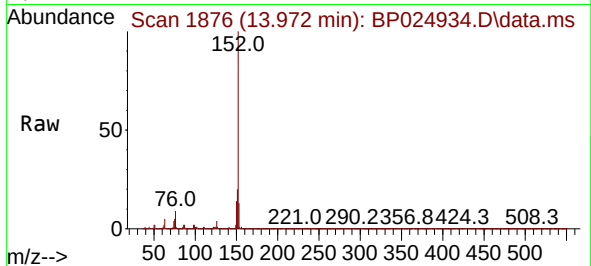




#49
Acenaphthylene
Concen: 13.071 ng
RT: 13.972 min Scan# 1876
Delta R.T. 0.006 min
Lab File: BP024934.D
Acq: 12 Jun 2025 17:55

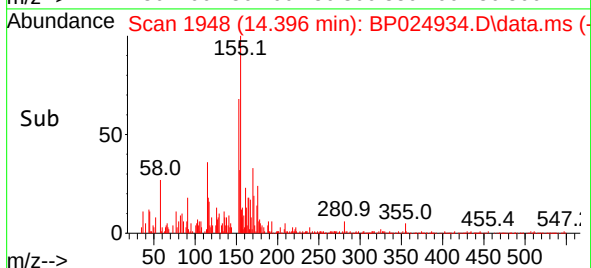
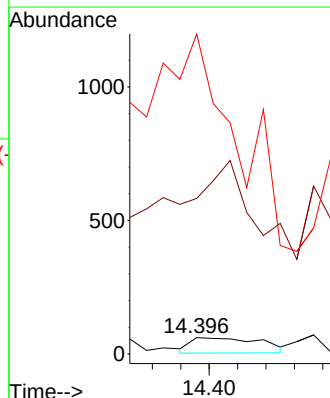
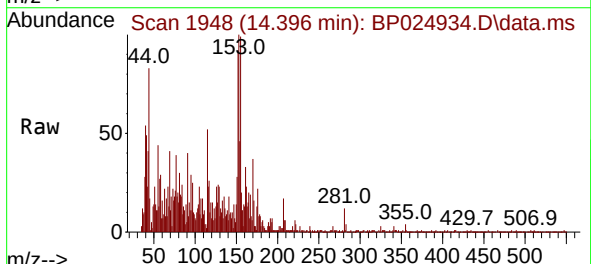
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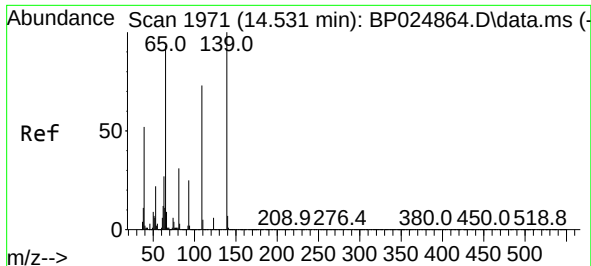
Tgt Ion:152 Resp: 741697
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 13.1 10.6 15.8



#54
2,4-Dinitrophenol
Concen: 5.578 ng
RT: 14.396 min Scan# 1948
Delta R.T. 0.001 min
Lab File: BP024934.D
Acq: 12 Jun 2025 17:55

Tgt Ion:184 Resp: 98
Ion Ratio Lower Upper
184 100
63 954.1 51.0 76.4#
154 1963.9 51.7 77.5#

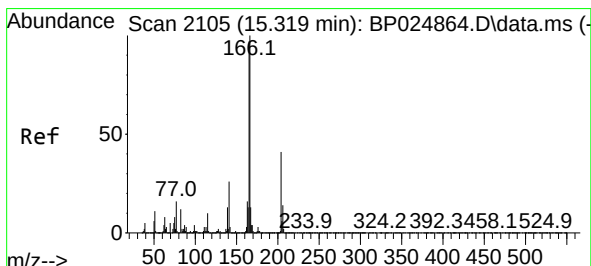
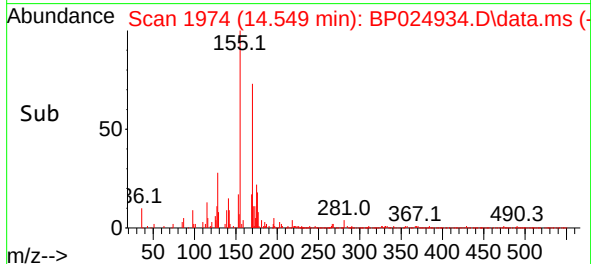
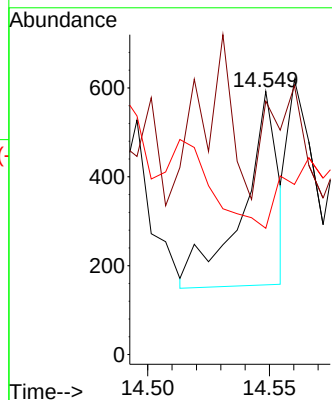
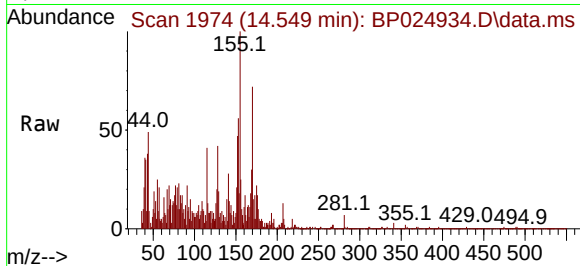




#56
4-Nitrophenol
Concen: 5.458 ng
RT: 14.549 min Scan# 1971
Delta R.T. 0.018 min
Lab File: BP024934.D
Acq: 12 Jun 2025 17:55

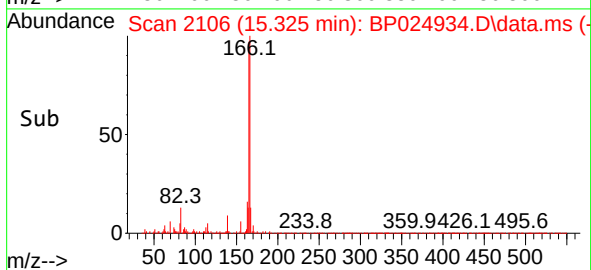
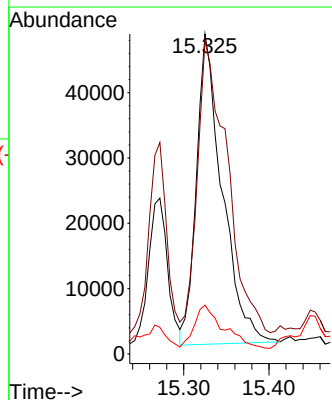
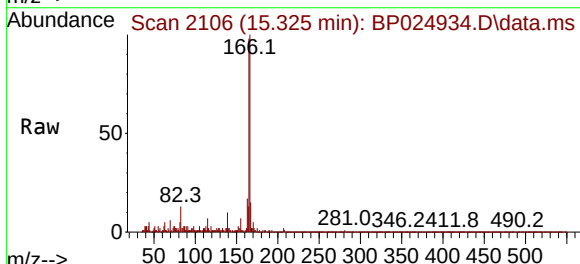
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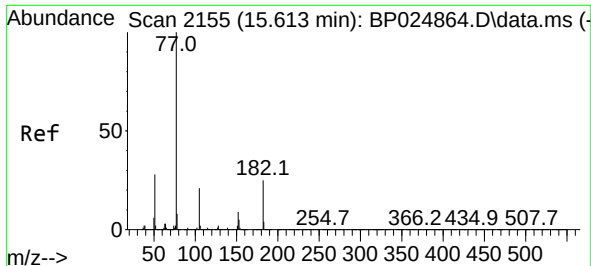
Tgt Ion:139 Resp: 442
Ion Ratio Lower Upper
139 100
109 96.3 53.1 93.1#
65 48.0 73.0 113.0#



#58
Fluorene
Concen: 2.370 ng
RT: 15.325 min Scan# 2106
Delta R.T. 0.006 min
Lab File: BP024934.D
Acq: 12 Jun 2025 17:55

Tgt Ion:166 Resp: 99937
Ion Ratio Lower Upper
166 100
165 98.0 77.7 116.5
167 15.2 10.6 16.0

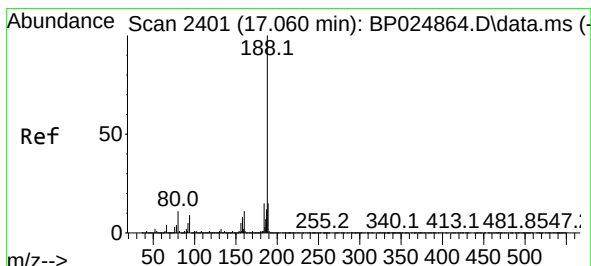
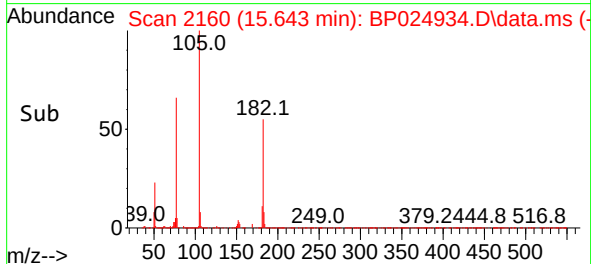
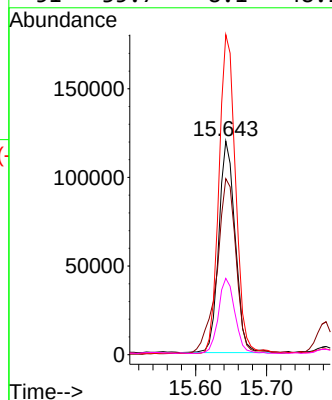
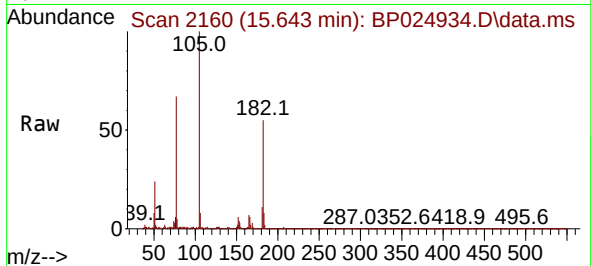




#63
Azobenzene
Concen: 4.651 ng
RT: 15.643 min Scan# 2155
Delta R.T. 0.030 min
Lab File: BP024934.D
Acq: 12 Jun 2025 17:55

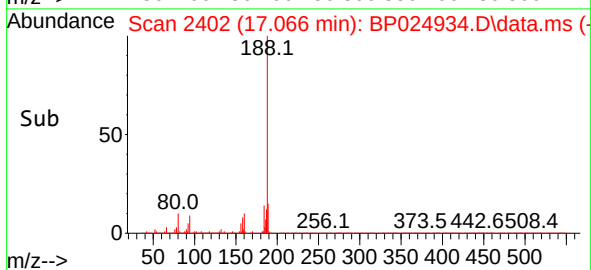
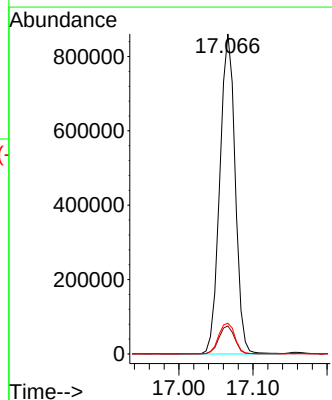
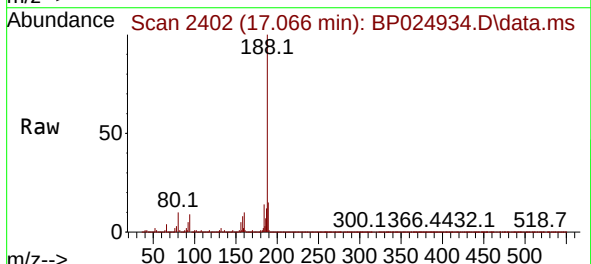
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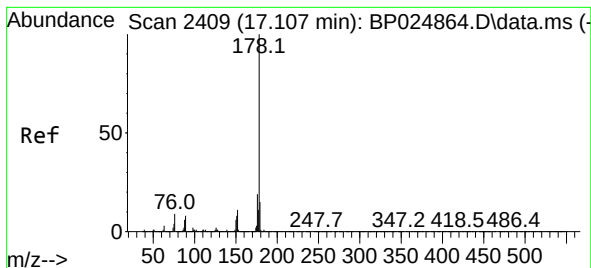
Tgt Ion: 77 Resp: 191060
Ion Ratio Lower Upper
77 100
182 82.4 5.4 45.4#
105 149.8 0.8 40.8#
51 35.7 8.1 48.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.066 min Scan# 2402
Delta R.T. 0.006 min
Lab File: BP024934.D
Acq: 12 Jun 2025 17:55

Tgt Ion: 188 Resp: 1239557
Ion Ratio Lower Upper
188 100
94 8.8 7.3 10.9
80 9.6 8.5 12.7





#71

Phenanthrene

Concen: 30.204 ng

RT: 17.107 min Scan# 2409

Delta R.T. 0.000 min

Lab File: BP024934.D

Acq: 12 Jun 2025 17:55

Instrument :

BNA_P

ClientSampleId :

WC-1

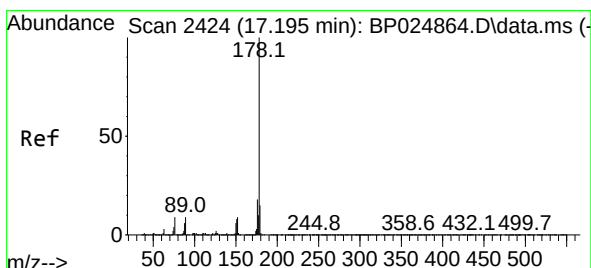
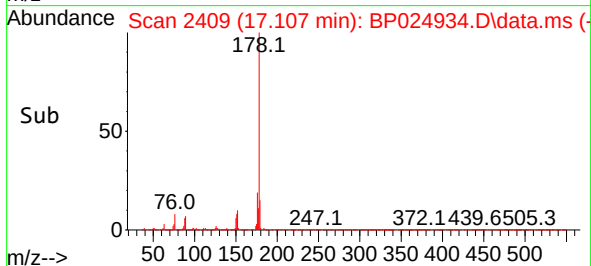
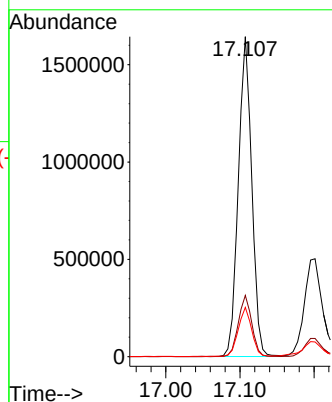
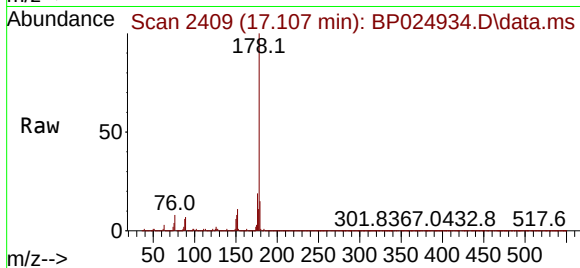
Tgt Ion:178 Resp: 2068977

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.4 12.1 18.1



#72

Anthracene

Concen: 12.228 ng

RT: 17.201 min Scan# 2425

Delta R.T. 0.006 min

Lab File: BP024934.D

Acq: 12 Jun 2025 17:55

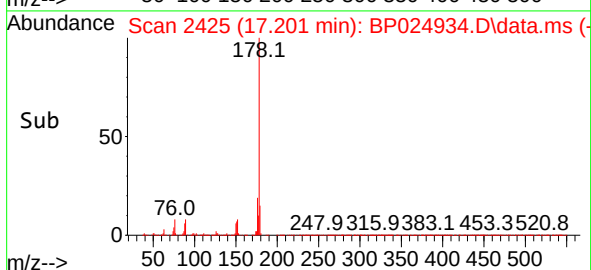
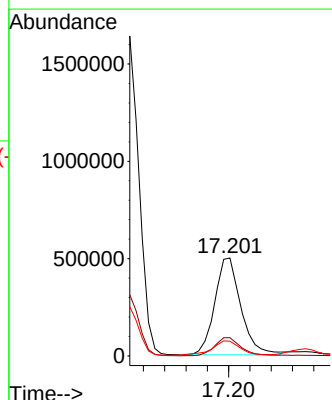
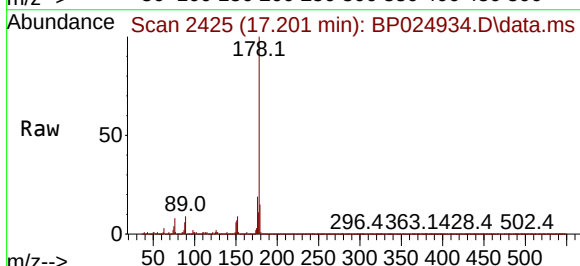
Tgt Ion:178 Resp: 848303

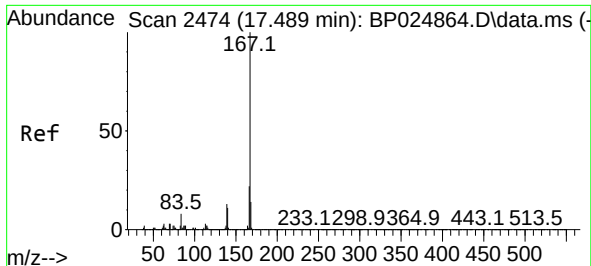
Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

179 15.1 12.3 18.5

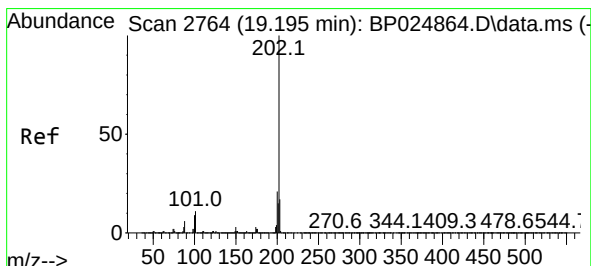
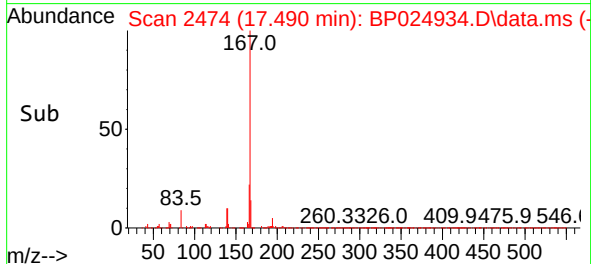
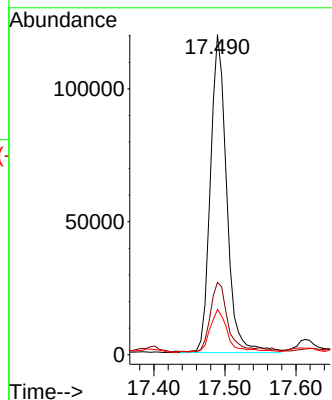
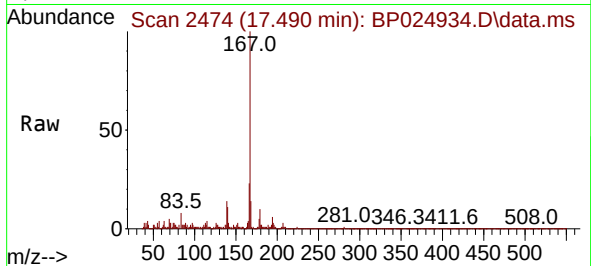




#73
 Carbazole
 Concen: 2.960 ng
 RT: 17.490 min Scan# 2474
 Delta R.T. 0.000 min
 Lab File: BP024934.D
 Acq: 12 Jun 2025 17:55

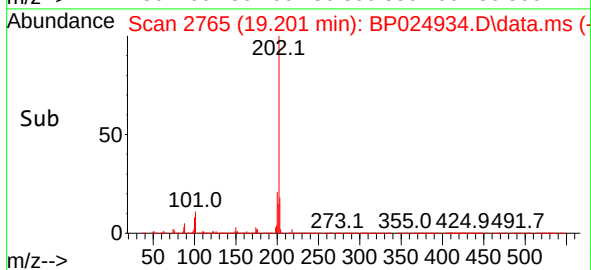
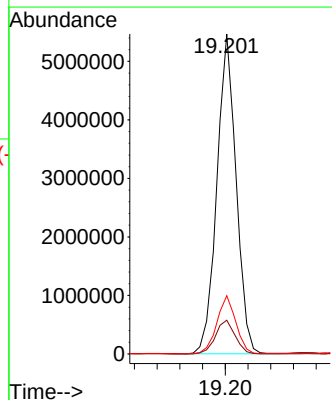
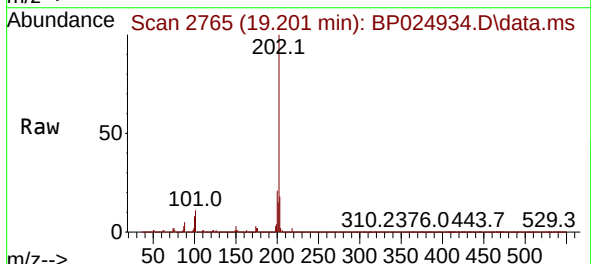
Instrument :
 BNA_P
 ClientSampleId :
 WC-1

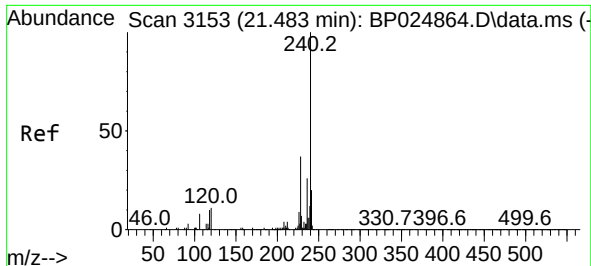
Tgt Ion:167 Resp: 190351
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.3 25.9
 139 14.1 10.8 16.2



#75
 Fluoranthene
 Concen: 81.058 ng
 RT: 19.201 min Scan# 2765
 Delta R.T. 0.006 min
 Lab File: BP024934.D
 Acq: 12 Jun 2025 17:55

Tgt Ion:202 Resp: 6435553
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 31.4
 203 18.2 0.0 37.5

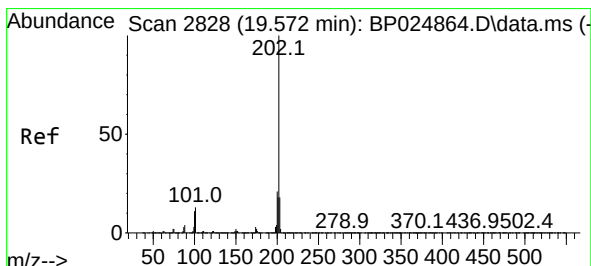
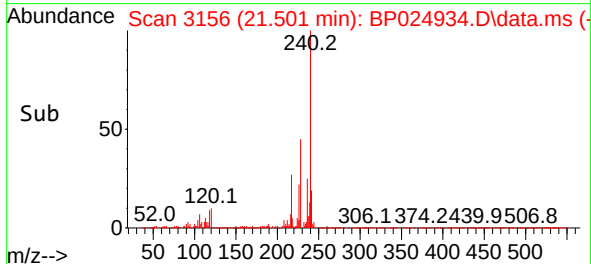
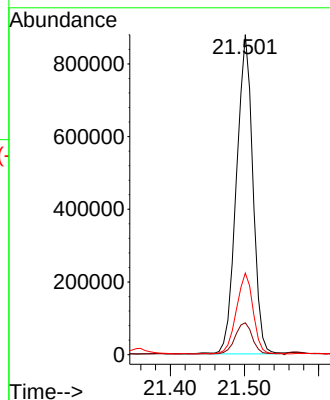
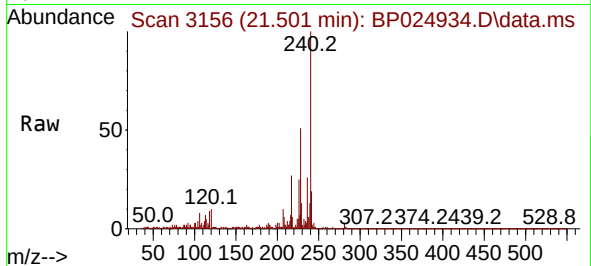




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.501 min Scan# 3153
Delta R.T. 0.018 min
Lab File: BP024934.D
Acq: 12 Jun 2025 17:55

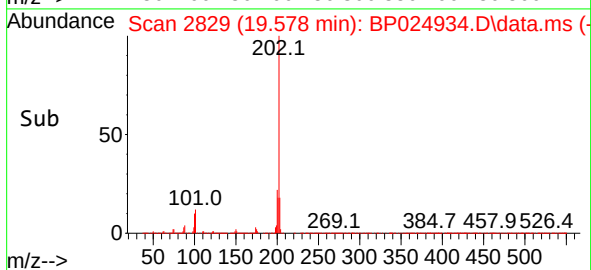
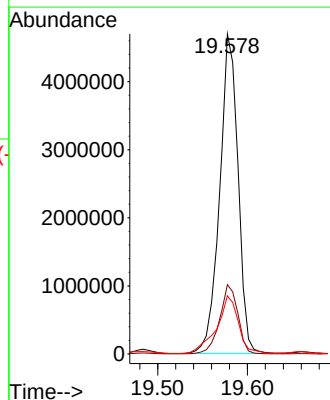
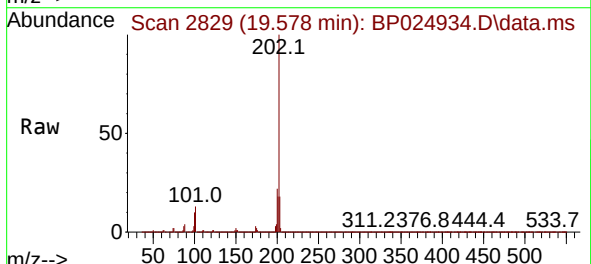
Instrument :
BNA_P
ClientSampleId :
WC-1

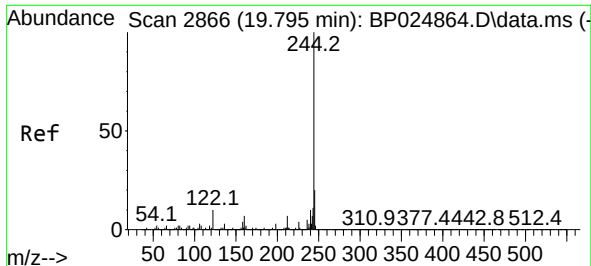
Tgt Ion:240 Resp: 1351212
Ion Ratio Lower Upper
240 100
120 10.0 8.9 13.3
236 25.5 20.9 31.3



#78
Pyrene
Concen: 78.999 ng
RT: 19.578 min Scan# 2829
Delta R.T. 0.006 min
Lab File: BP024934.D
Acq: 12 Jun 2025 17:55

Tgt Ion:202 Resp: 6668829
Ion Ratio Lower Upper
202 100
200 21.7 17.1 25.7
203 18.1 14.0 21.0

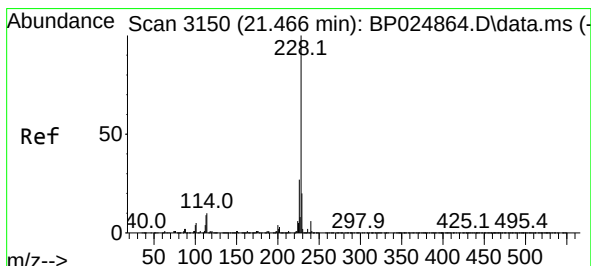
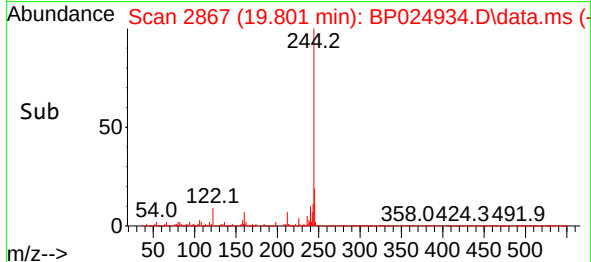
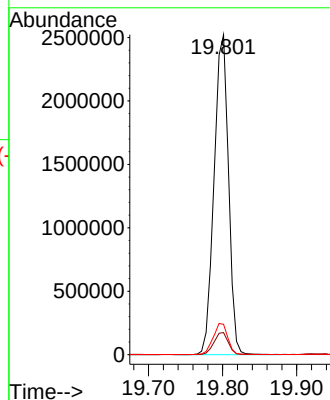
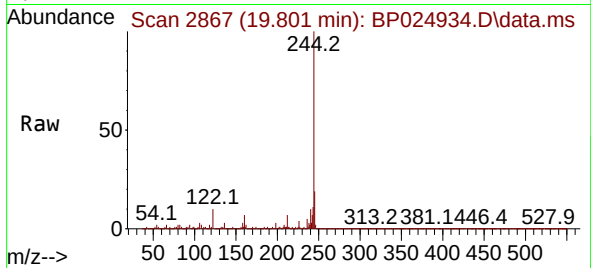




#79
 Terphenyl-d14
 Concen: 45.143 ng
 RT: 19.801 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP024934.D
 Acq: 12 Jun 2025 17:55

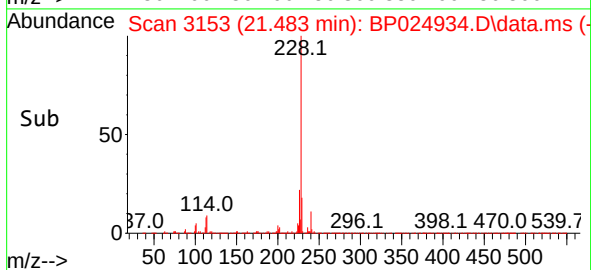
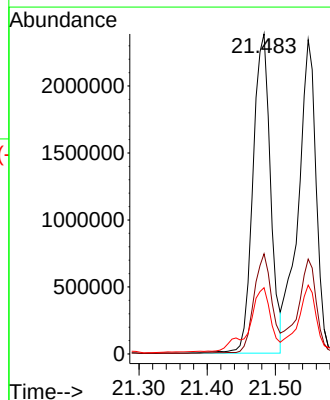
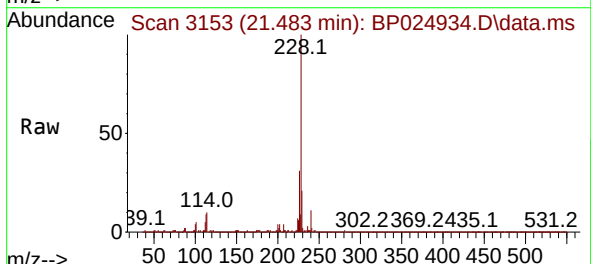
Instrument :
 BNA_P
 ClientSampleId :
 WC-1

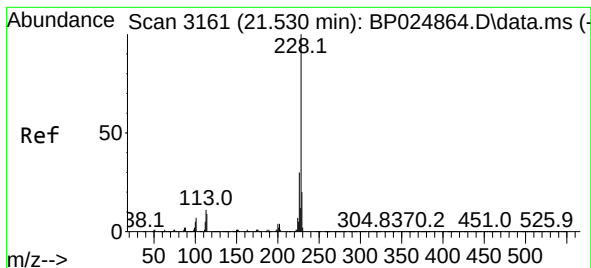
Tgt Ion:244 Resp: 3403420
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 9.5 7.7 11.5



#81
 Benzo(a)anthracene
 Concen: 49.173 ng
 RT: 21.483 min Scan# 3153
 Delta R.T. 0.018 min
 Lab File: BP024934.D
 Acq: 12 Jun 2025 17:55

Tgt Ion:228 Resp: 4249587
 Ion Ratio Lower Upper
 228 100
 226 31.3 22.1 33.1
 229 20.7 15.9 23.9





#83

Chrysene

Concen: 52.590 ng

RT: 21.548 min Scan# 3161

Delta R.T. 0.018 min

Lab File: BP024934.D

Acq: 12 Jun 2025 17:55

Instrument :

BNA_P

ClientSampleId :

WC-1

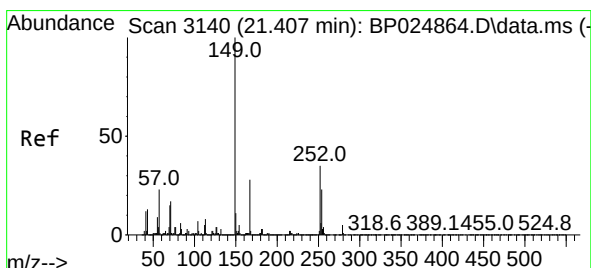
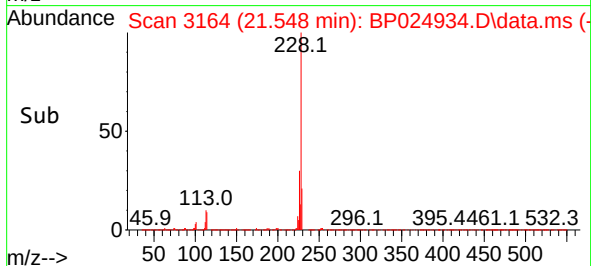
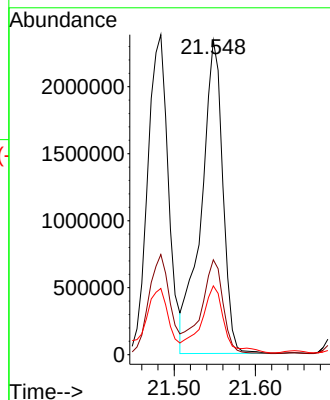
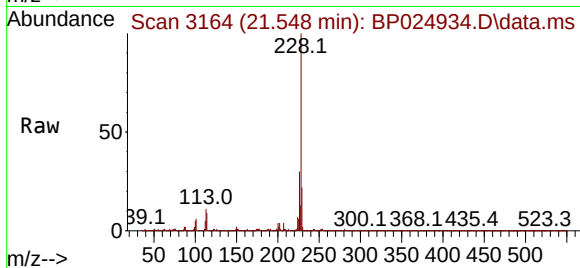
Tgt Ion:228 Resp: 4306396

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.6

229 21.9 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.109 ng

RT: 21.413 min Scan# 3141

Delta R.T. 0.006 min

Lab File: BP024934.D

Acq: 12 Jun 2025 17:55

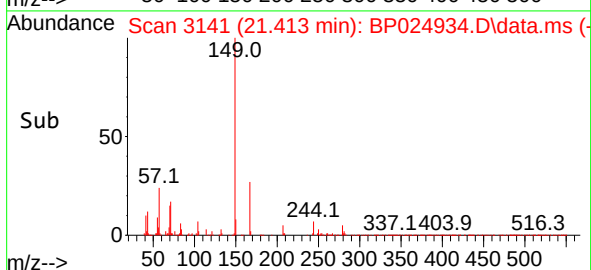
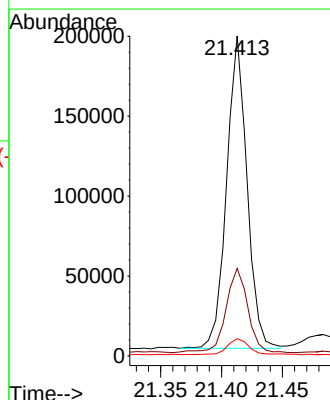
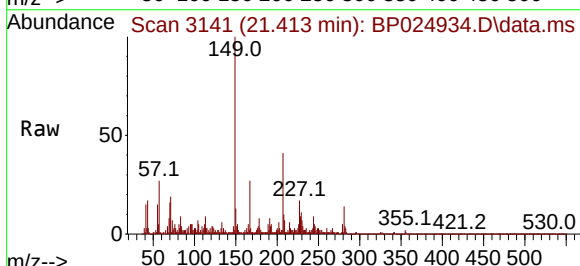
Tgt Ion:149 Resp: 227643

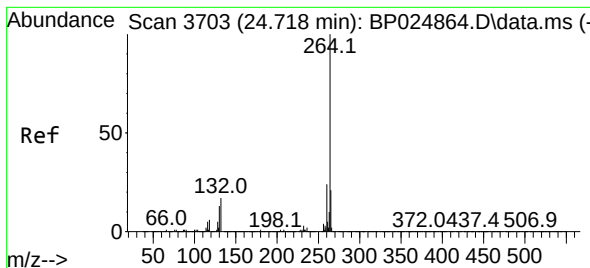
Ion Ratio Lower Upper

149 100

167 27.4 22.2 33.4

279 5.4 4.0 6.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.772 min Scan# 31

Delta R.T. 0.053 min

Lab File: BP024934.D

Acq: 12 Jun 2025 17:55

Instrument :

BNA_P

ClientSampleId :

WC-1

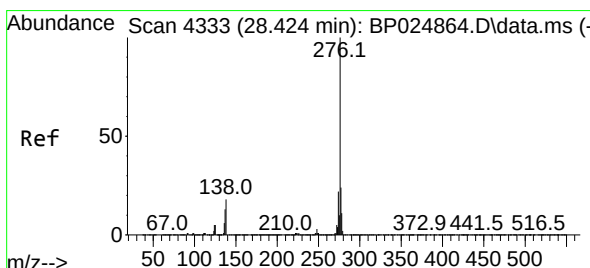
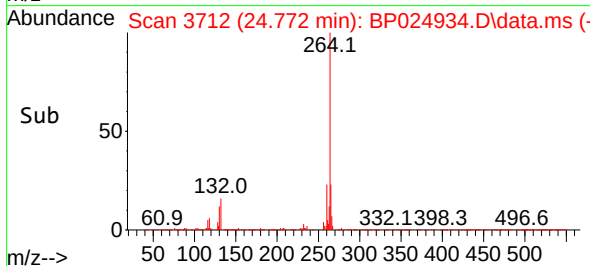
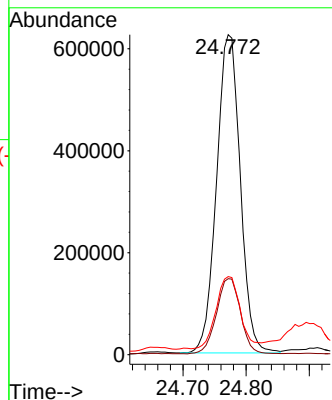
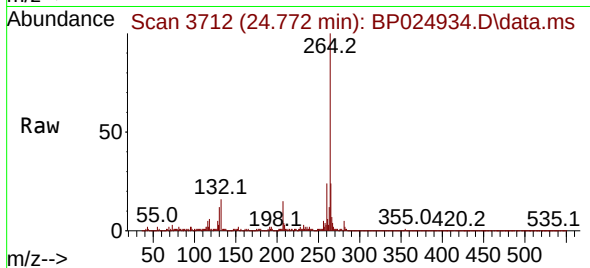
Tgt Ion:264 Resp: 1630054

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.4

265 24.4 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 30.927 ng

RT: 28.495 min Scan# 4345

Delta R.T. 0.071 min

Lab File: BP024934.D

Acq: 12 Jun 2025 17:55

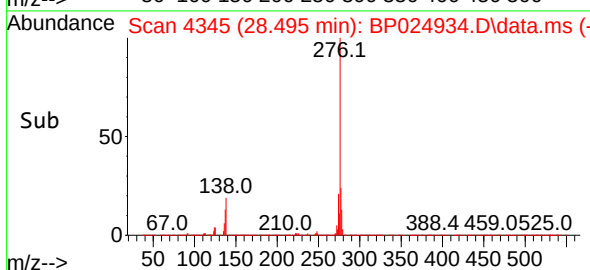
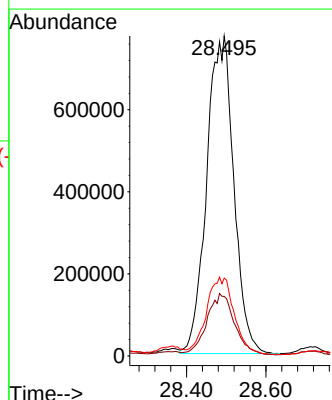
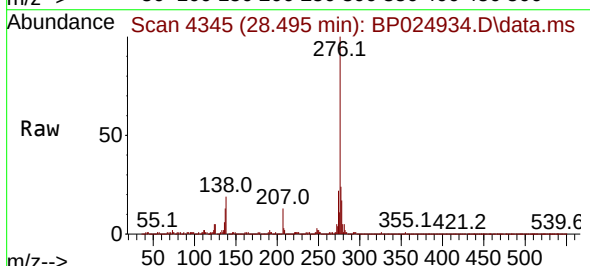
Tgt Ion:276 Resp: 3678185

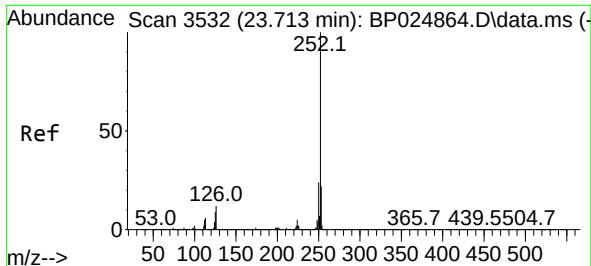
Ion Ratio Lower Upper

276 100

138 19.6 18.6 27.8

277 25.0 20.2 30.4

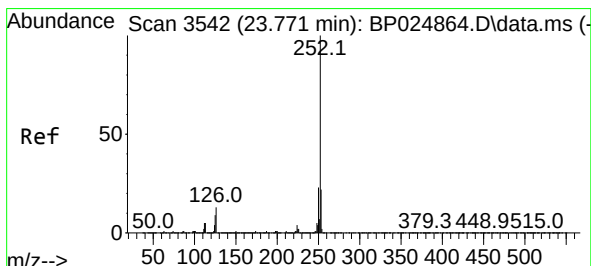
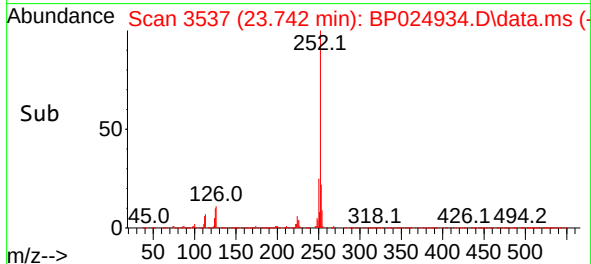
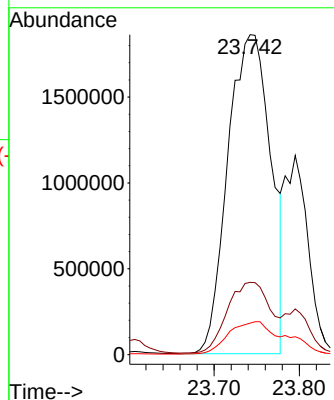
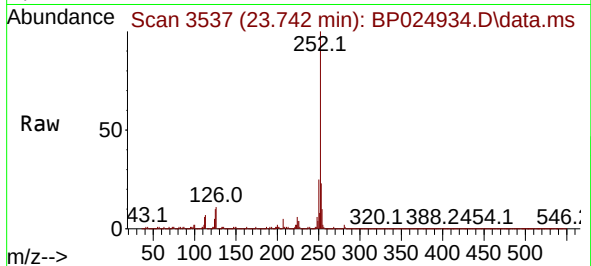




#88
Benzo(b)fluoranthene
Concen: 69.703 ng
RT: 23.742 min Scan# 3537
Delta R.T. 0.030 min
Lab File: BP024934.D
Acq: 12 Jun 2025 17:55

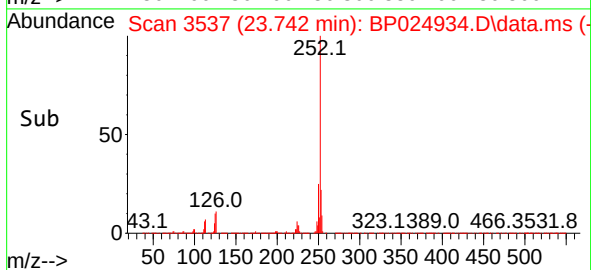
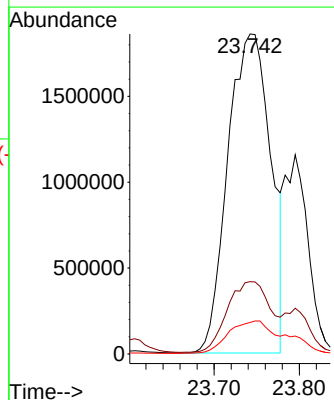
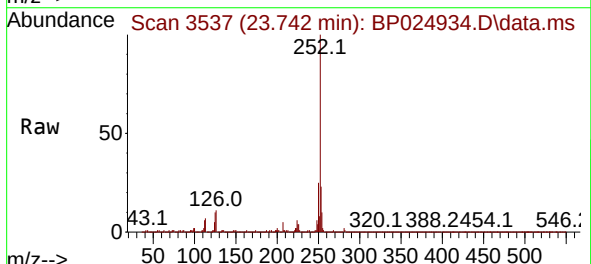
Instrument :
BNA_P
ClientSampleId :
WC-1

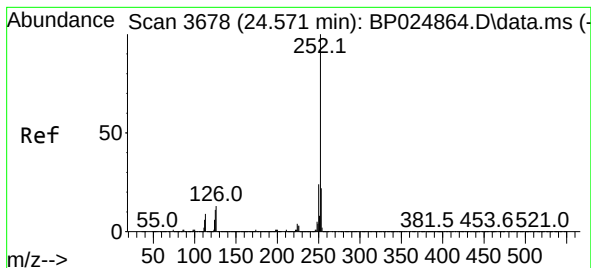
Tgt Ion:252 Resp: 6502479
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 9.9 7.1 10.7



#89
Benzo(k)fluoranthene
Concen: 68.477 ng
RT: 23.742 min Scan# 3537
Delta R.T. -0.029 min
Lab File: BP024934.D
Acq: 12 Jun 2025 17:55

Tgt Ion:252 Resp: 6502479
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 9.9 7.4 11.0





#90

Benzo(a)pyrene

Concen: 54.122 ng

RT: 24.613 min Scan# 30

Delta R.T. 0.041 min

Lab File: BP024934.D

Acq: 12 Jun 2025 17:55

Instrument :

BNA_P

ClientSampleId :

WC-1

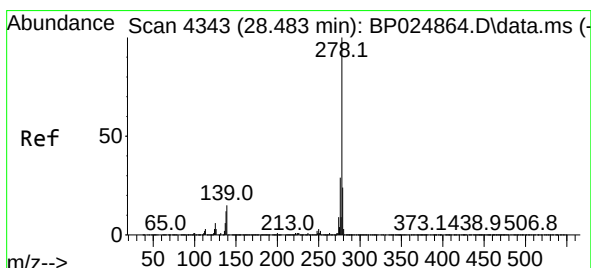
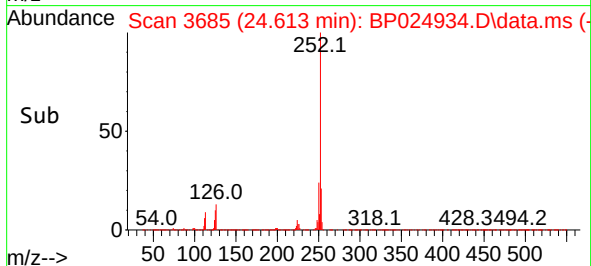
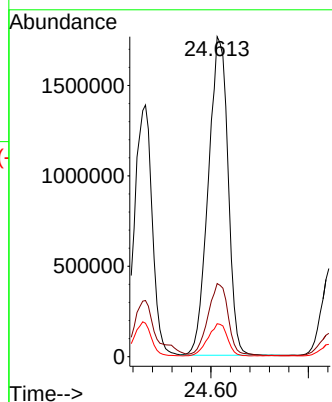
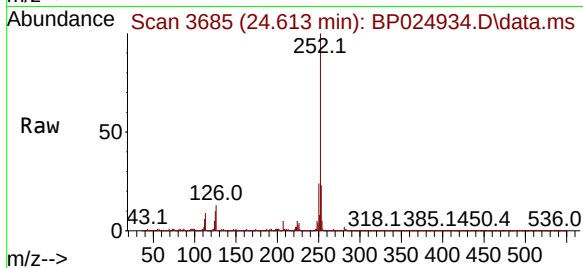
Tgt Ion:252 Resp: 4930705

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 10.3 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 10.248 ng

RT: 28.530 min Scan# 4351

Delta R.T. 0.047 min

Lab File: BP024934.D

Acq: 12 Jun 2025 17:55

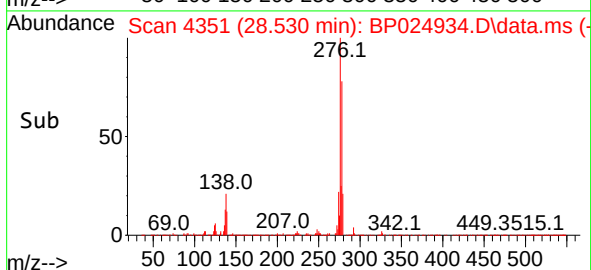
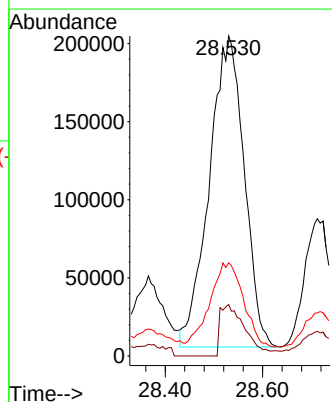
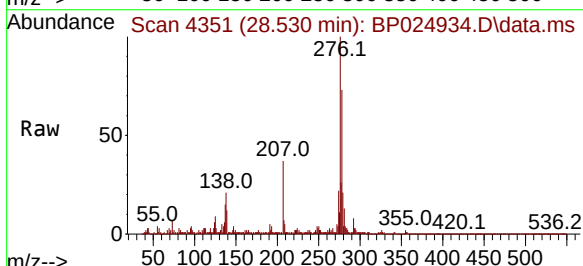
Tgt Ion:278 Resp: 992070

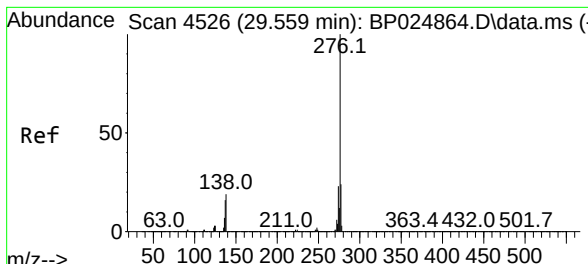
Ion Ratio Lower Upper

278 100

139 16.1 12.0 18.0

279 29.1 19.1 28.7#





#92
 Benzo(g,h,i)perylene
 Concen: 38.967 ng
 RT: 29.642 min Scan# 4
 Delta R.T. 0.082 min
 Lab File: BP024934.D
 Acq: 12 Jun 2025 17:55

Instrument :
 BNA_P
 ClientSampleId :
 WC-1

Tgt Ion: 276 Resp: 3742883

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.1	28.7
138	20.0	15.4	23.2

