

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
 Data File : BP024917.D
 Acq On : 11 Jun 2025 18:27
 Operator : RC/JU
 Sample : Q2177-02DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 12 01:57:38 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

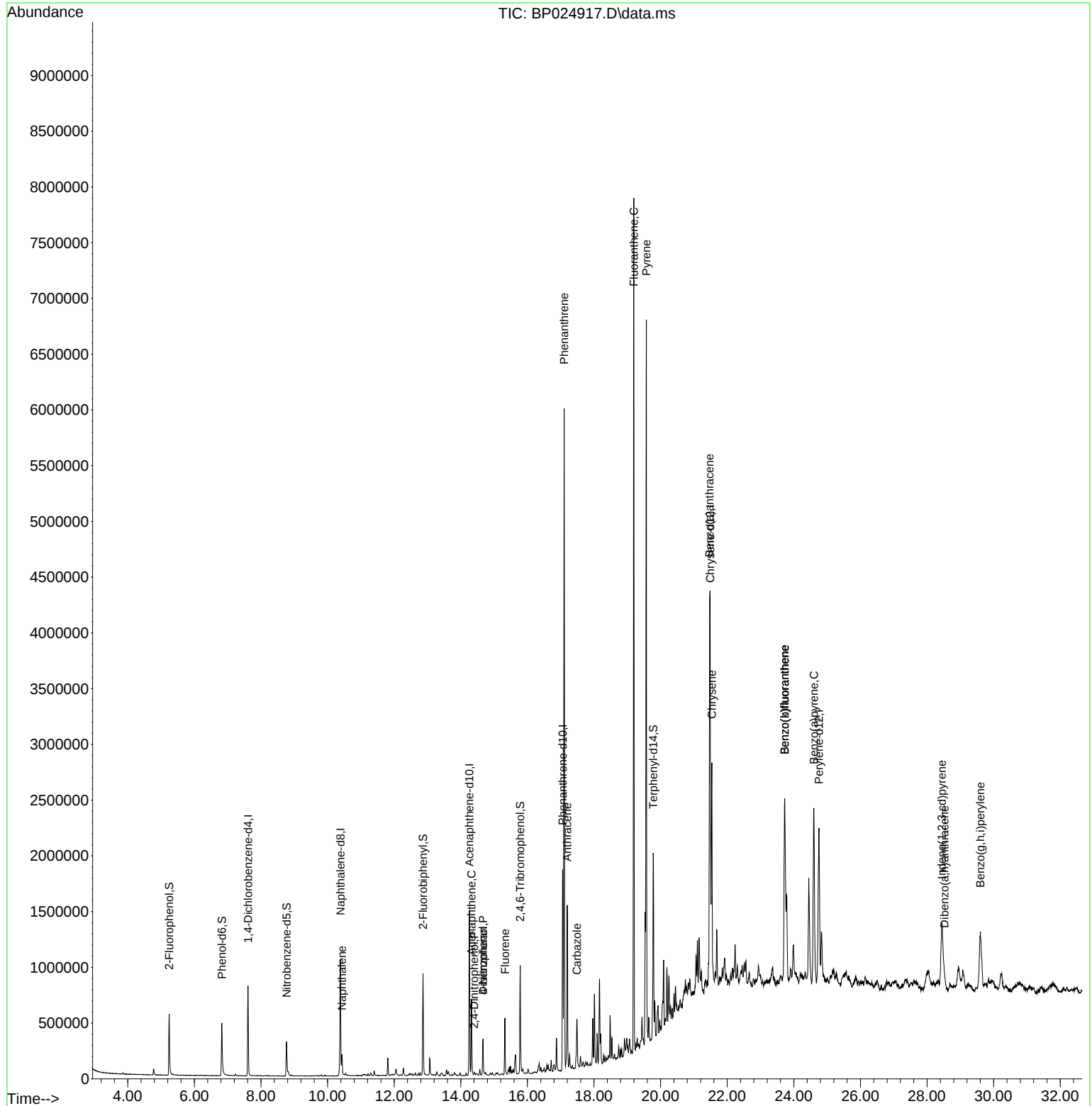
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

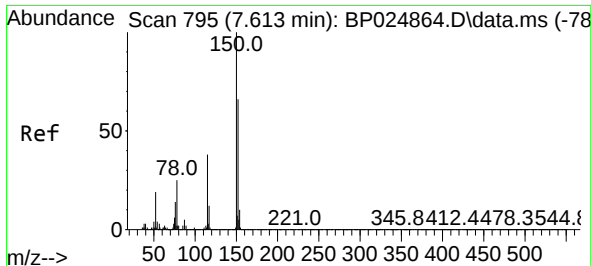
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.613	152	219933	20.000	ng	0.00
21) Naphthalene-d8	10.384	136	879842	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	533152	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1070454	20.000	ng	0.00
76) Chrysene-d12	21.489	240	1300156	20.000	ng	0.00
86) Perylene-d12	24.754	264	1571242	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	285761	21.688	ng	0.00
7) Phenol-d6	6.825	99	361831	20.755	ng	0.01
23) Nitrobenzene-d5	8.766	82	220955	12.203	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	164843	22.363	ng	0.00
45) 2-Fluorobiphenyl	12.866	172	499456	12.620	ng	0.00
79) Terphenyl-d14	19.777	244	843470	11.627	ng	-0.02
Target Compounds						
						Qvalue
31) Naphthalene	10.431	128	152893	3.391	ng	98
52) Acenaphthene	14.319	154	238656	8.388	ng	99
54) 2,4-Dinitrophenol	14.401	184	38	5.570	ng	# 1
55) Dibenzofuran	14.666	168	215094	4.710	ng	98
56) 4-Nitrophenol	14.666	139	84093	15.935	ng	# 9
58) Fluorene	15.325	166	232055	6.290	ng	99
71) Phenanthrene	17.101	178	3511051	59.354	ng	99
72) Anthracene	17.195	178	920713	15.368	ng	99
73) Carbazole	17.483	167	321499	5.790	ng	99
75) Fluoranthene	19.195	202	4135705	60.320	ng	98
78) Pyrene	19.572	202	3691405	45.446	ng	100
81) Benzo(a)anthracene	21.471	228	1706833	20.526	ng	99
83) Chrysene	21.536	228	1437484	18.244	ng	97
87) Indeno(1,2,3-cd)pyrene	28.442	276	1029739	8.982	ng	95
88) Benzo(b)fluoranthene	23.724	252	1907061	21.208	ng	98
89) Benzo(k)fluoranthene	23.724	252	1907061	20.835	ng	98
90) Benzo(a)pyrene	24.601	252	1587050	18.072	ng	98
91) Dibenzo(a,h)anthracene	28.518	278	229499	2.459	ng	# 90
92) Benzo(g,h,i)perylene	29.600	276	1000654	10.808	ng	98

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

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Misc :
ALS Vial : 14 Sample Multiplier: 1

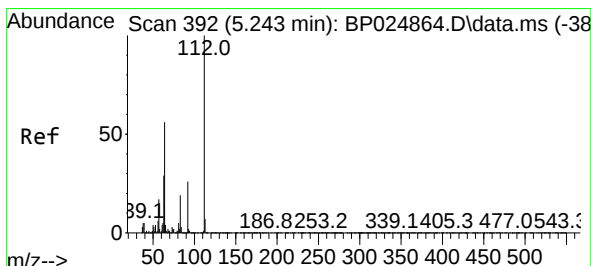
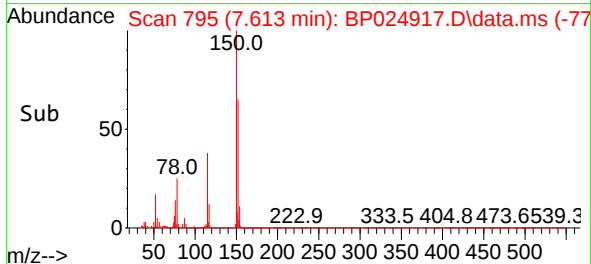
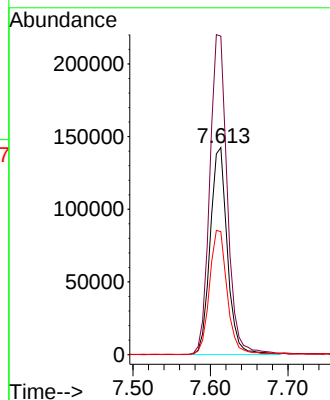
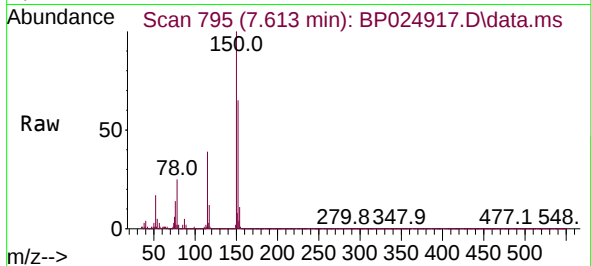
Quant Time: Jun 12 01:57:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
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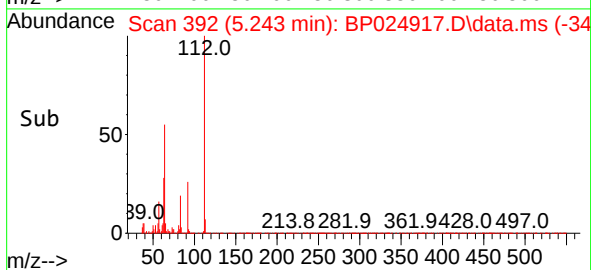
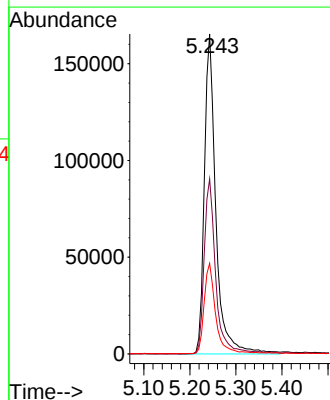
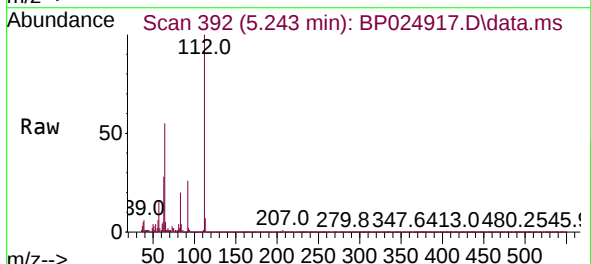
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 795
Delta R.T. 0.000 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

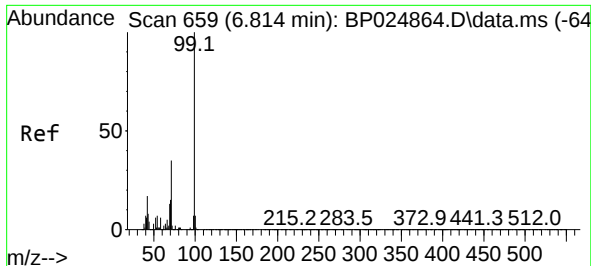
Tgt Ion:152 Resp: 219933
Ion Ratio Lower Upper
152 100
150 153.9 122.1 183.1
115 59.4 46.4 69.6



#5
2-Fluorophenol
Concen: 21.688 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

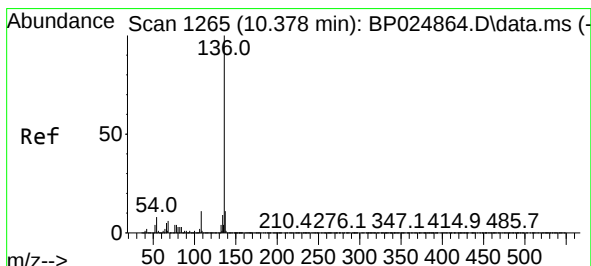
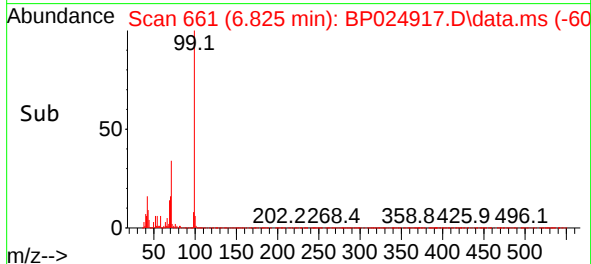
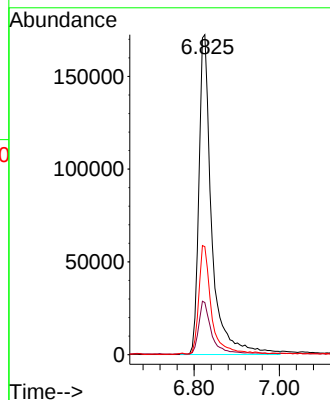
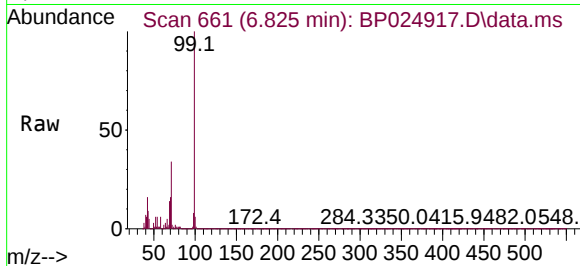
Tgt Ion:112 Resp: 285761
Ion Ratio Lower Upper
112 100
64 54.7 44.7 67.1
63 28.3 23.5 35.3





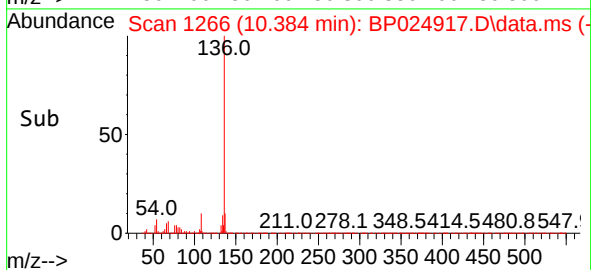
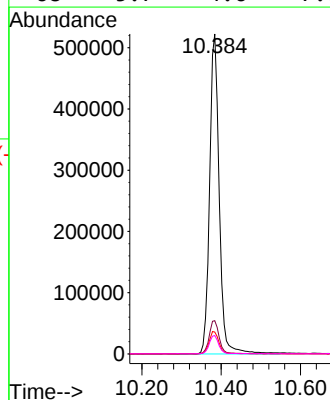
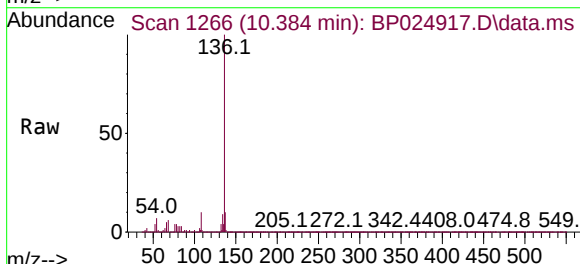
#7
Phenol-d6
Concen: 20.755 ng
RT: 6.825 min Scan# 661
Delta R.T. 0.012 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

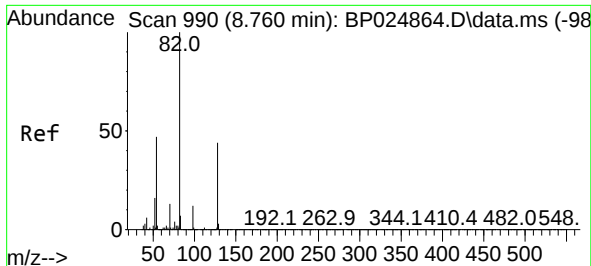
Tgt Ion: 99	Resp: 361831
Ion Ratio	Lower Upper
99 100	
42 16.3	13.4 20.2
71 33.7	27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

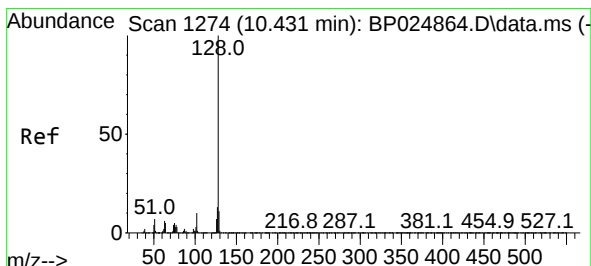
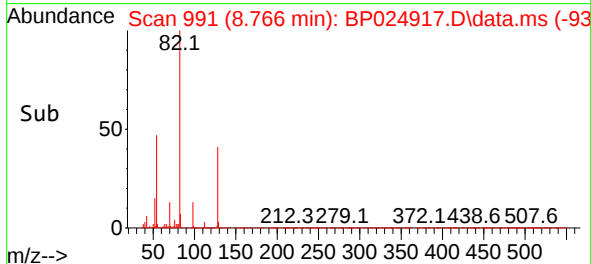
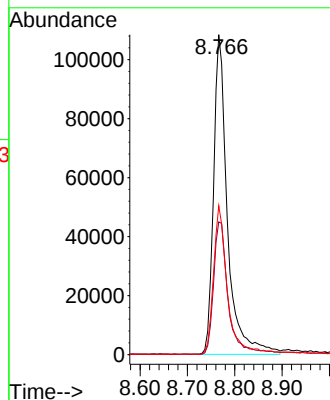
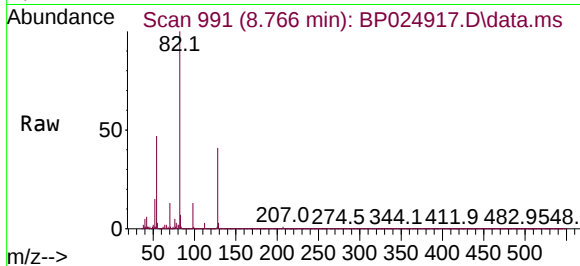
Tgt Ion: 136	Resp: 879842
Ion Ratio	Lower Upper
136 100	
137 10.4	8.9 13.3
54 6.8	6.1 9.1
68 5.7	4.6 7.0





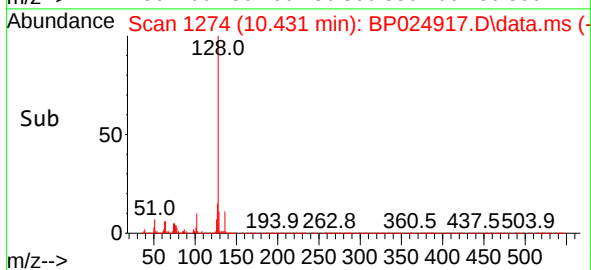
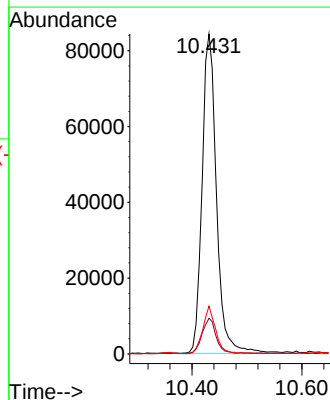
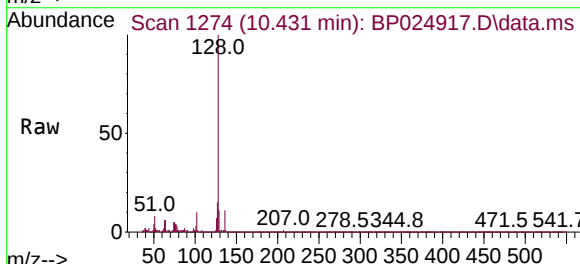
#23
Nitrobenzene-d5
Concen: 12.203 ng
RT: 8.766 min Scan# 991
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

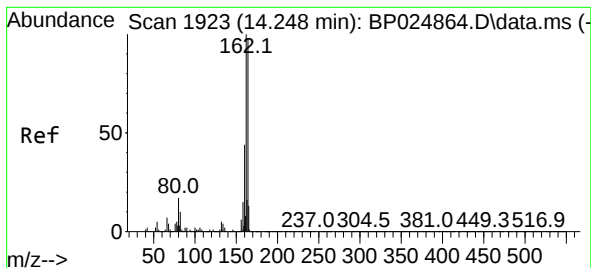
Tgt Ion: 82 Resp: 220955
Ion Ratio Lower Upper
82 100
128 41.5 35.3 52.9
54 46.5 37.4 56.0



#31
Naphthalene
Concen: 3.391 ng
RT: 10.431 min Scan# 1274
Delta R.T. -0.000 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

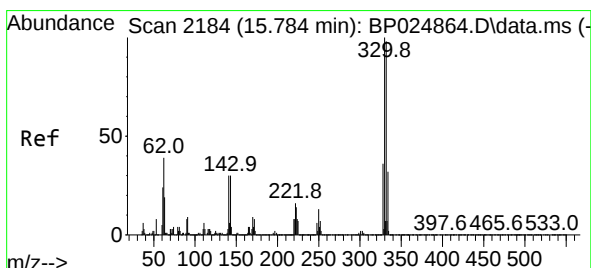
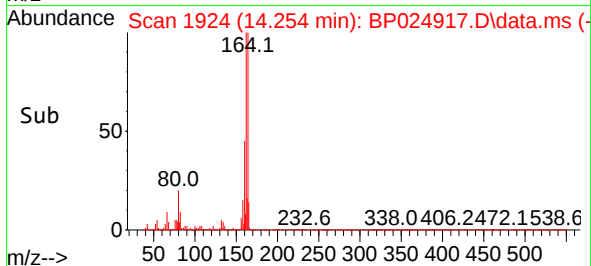
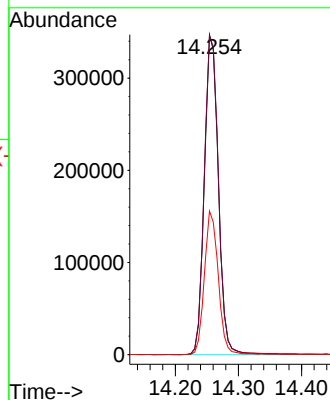
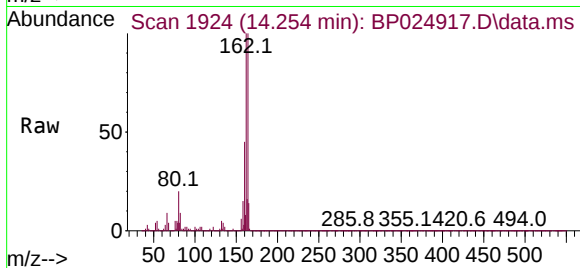
Tgt Ion: 128 Resp: 152893
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 14.9 10.7 16.1





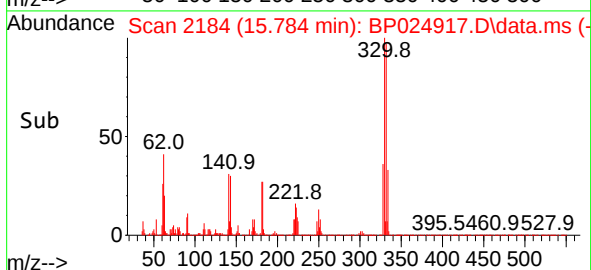
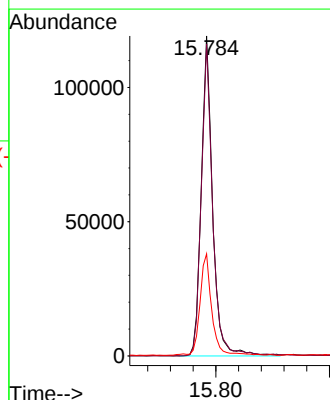
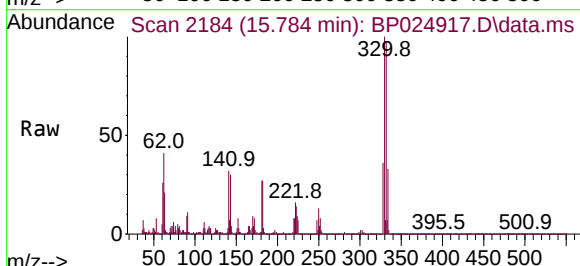
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

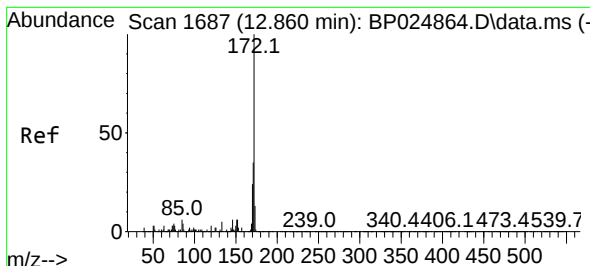
Tgt Ion:164 Resp: 533152
Ion Ratio Lower Upper
164 100
162 99.7 81.6 122.4
160 44.9 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 22.363 ng
RT: 15.784 min Scan# 2184
Delta R.T. -0.000 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

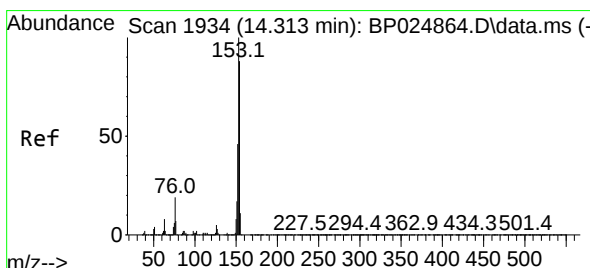
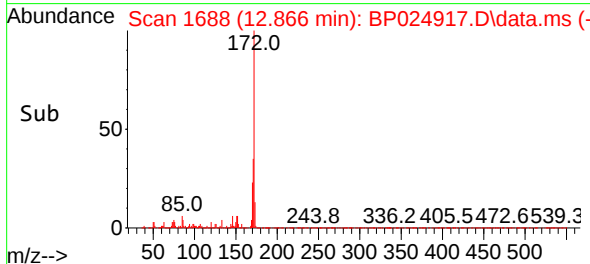
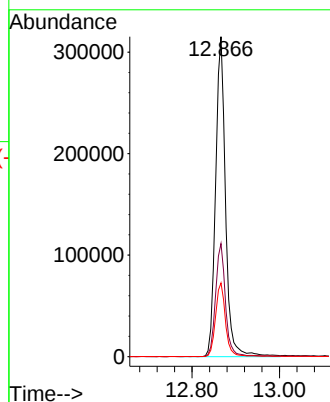
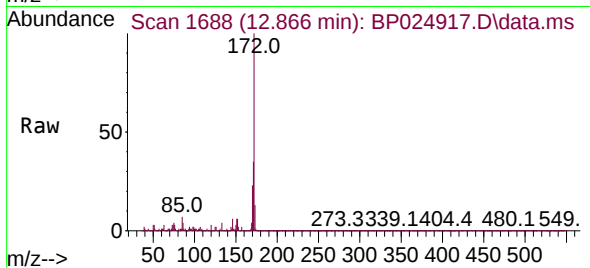
Tgt Ion:330 Resp: 164843
Ion Ratio Lower Upper
330 100
332 97.2 77.7 116.5
141 32.9 26.4 39.6





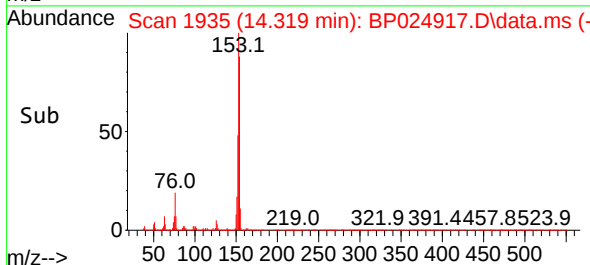
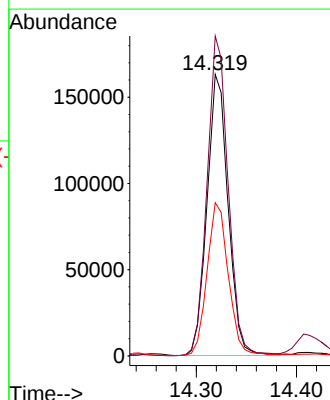
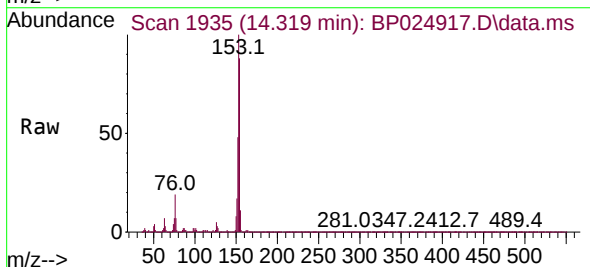
#45
2-Fluorobiphenyl
Concen: 12.620 ng
RT: 12.866 min Scan# 1688
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

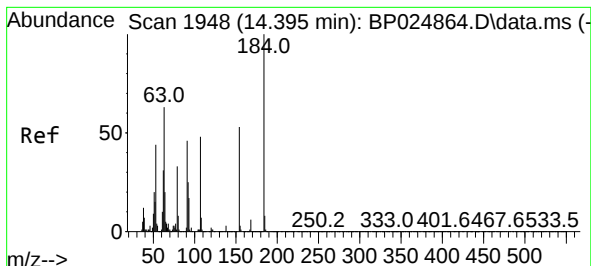
Tgt Ion:	172	Resp:	499456
Ion Ratio	Lower	Upper	
172	100		
171	35.3	28.3	42.5
170	23.0	19.0	28.4



#52
Acenaphthene
Concen: 8.388 ng
RT: 14.319 min Scan# 1935
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

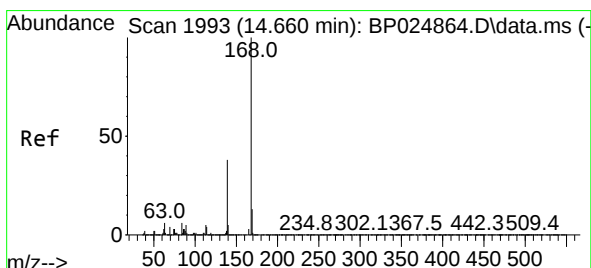
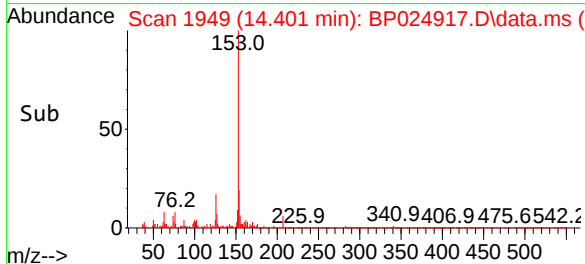
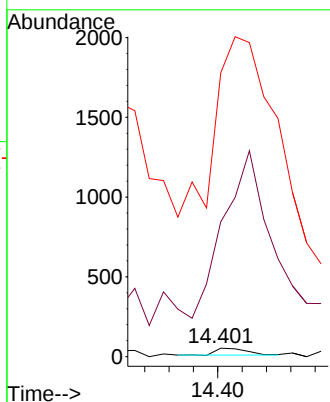
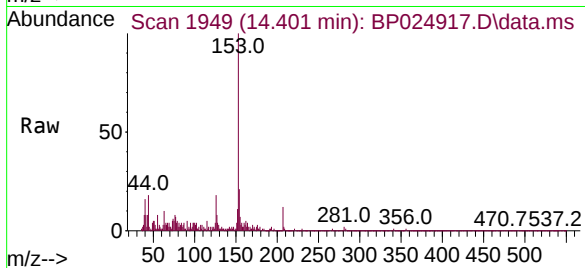
Tgt Ion:	154	Resp:	238656
Ion Ratio	Lower	Upper	
154	100		
153	113.7	90.5	135.7
152	54.4	42.1	63.1





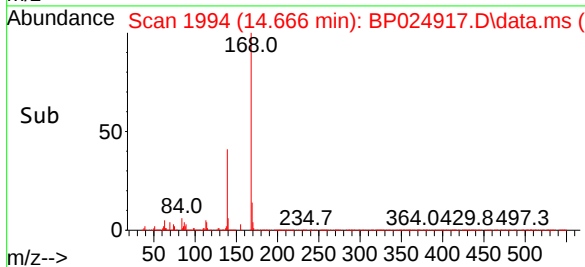
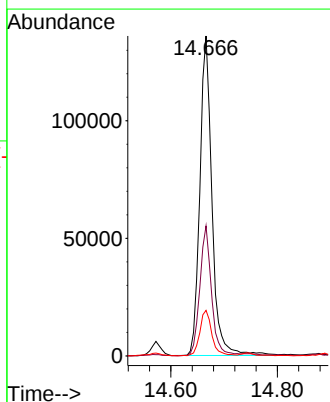
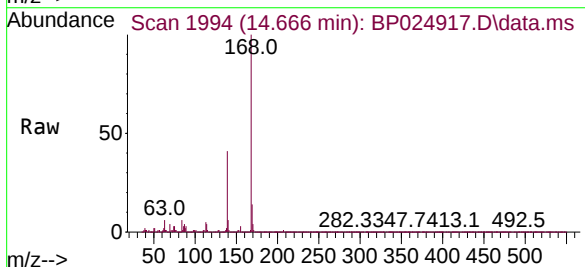
#54
2,4-Dinitrophenol
Concen: 5.570 ng
RT: 14.401 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

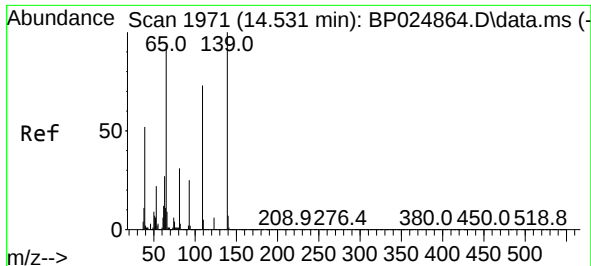
Tgt Ion:184 Resp: 38
Ion Ratio Lower Upper
184 100
63 1594.3 51.0 76.4#
154 3356.6 51.7 77.5#



#55
Dibenzofuran
Concen: 4.710 ng
RT: 14.666 min Scan# 1994
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

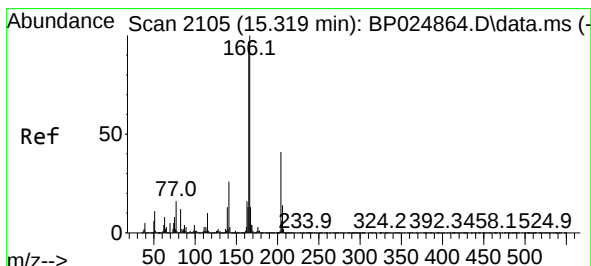
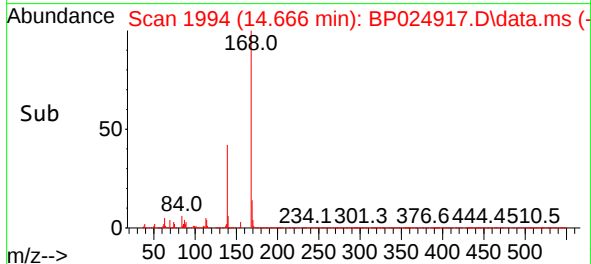
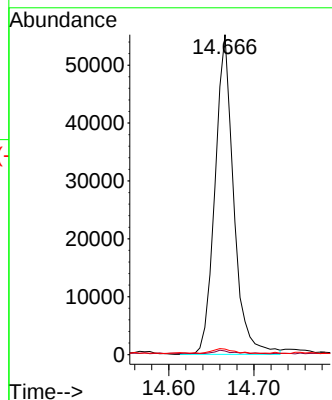
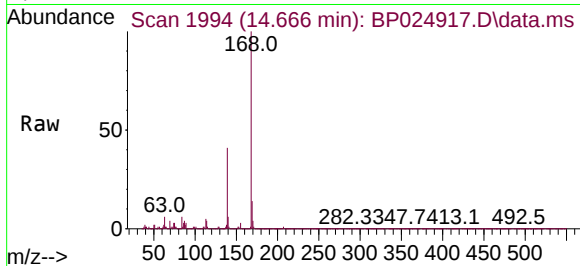
Tgt Ion:168 Resp: 215094
Ion Ratio Lower Upper
168 100
139 40.6 31.6 47.4
169 14.2 10.6 15.8





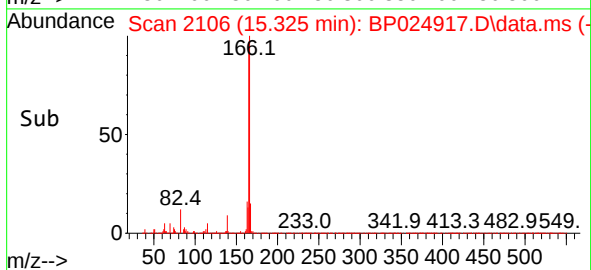
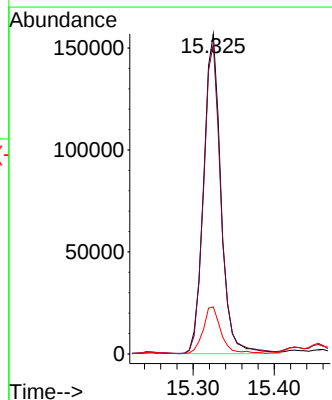
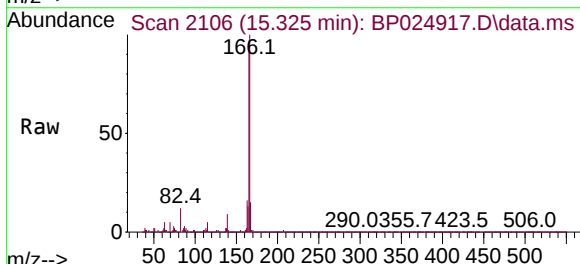
#56
4-Nitrophenol
Concen: 15.935 ng
RT: 14.666 min Scan# 1994
Delta R.T. 0.135 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

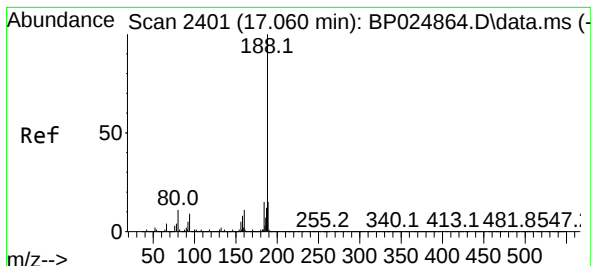
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Ion Ratio Lower Upper
139 100
109 1.1 53.1 93.1#
65 1.7 73.0 113.0#



#58
Fluorene
Concen: 6.290 ng
RT: 15.325 min Scan# 2106
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

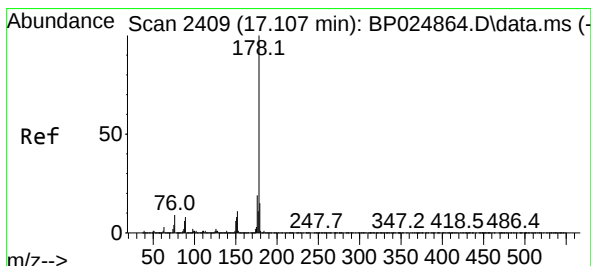
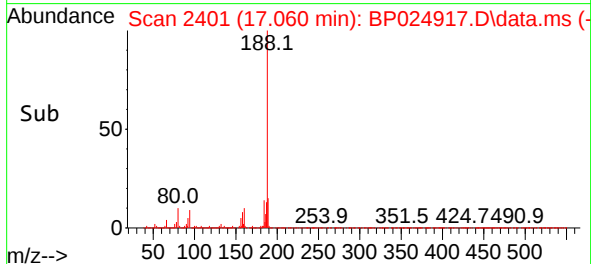
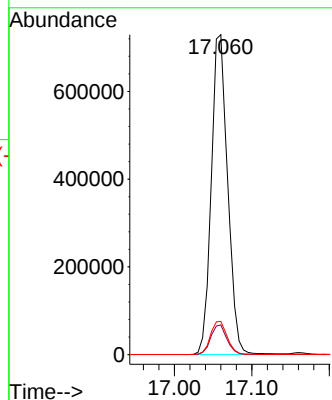
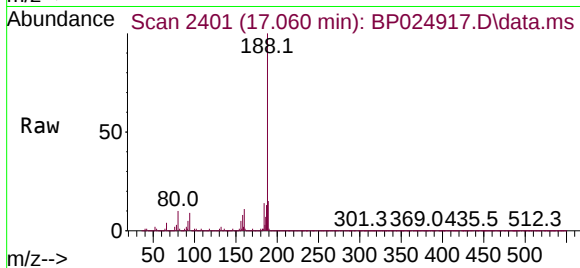
Tgt Ion:166 Resp: 232055
Ion Ratio Lower Upper
166 100
165 97.0 77.7 116.5
167 14.7 10.6 16.0





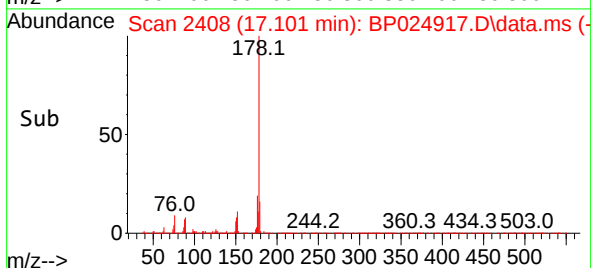
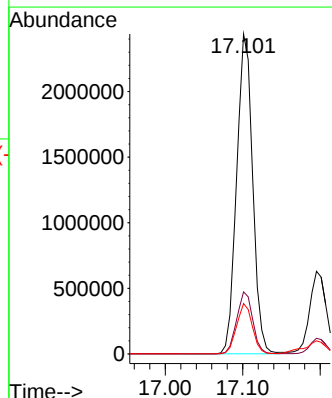
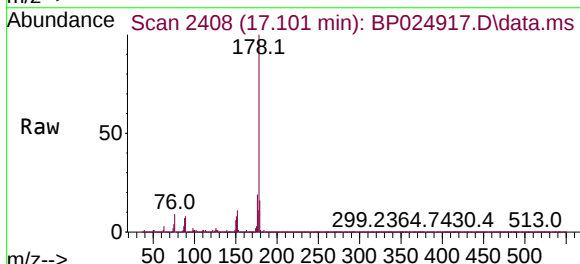
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. -0.000 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

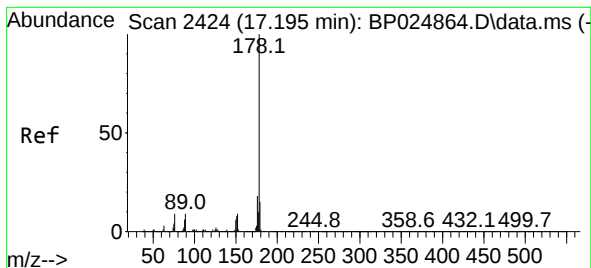
Tgt Ion:188 Resp: 1070454
Ion Ratio Lower Upper
188 100
94 9.3 7.3 10.9
80 10.4 8.5 12.7



#71
Phenanthrene
Concen: 59.354 ng
RT: 17.101 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

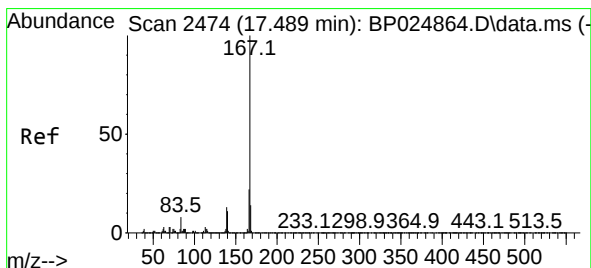
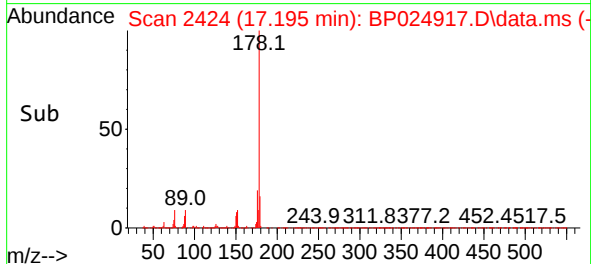
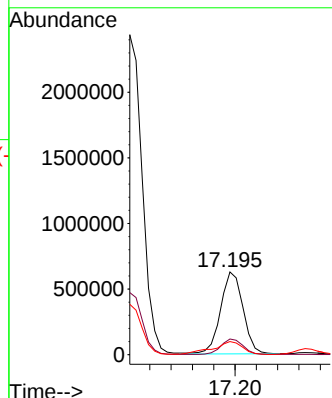
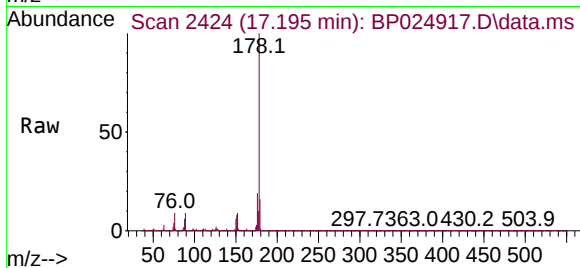
Tgt Ion:178 Resp: 3511051
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.7 12.1 18.1





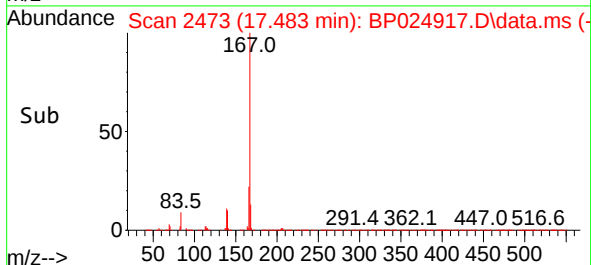
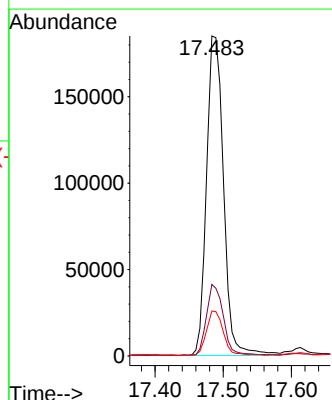
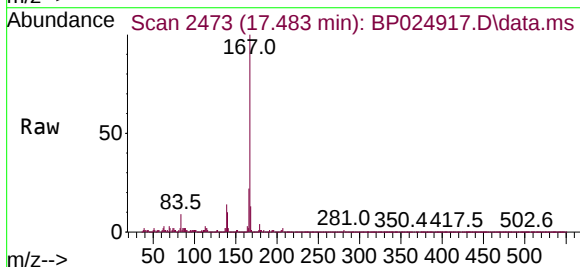
#72
 Anthracene
 Concen: 15.368 ng
 RT: 17.195 min Scan# 2424
 Delta R.T. -0.000 min
 Lab File: BP024917.D
 Acq: 11 Jun 2025 18:27

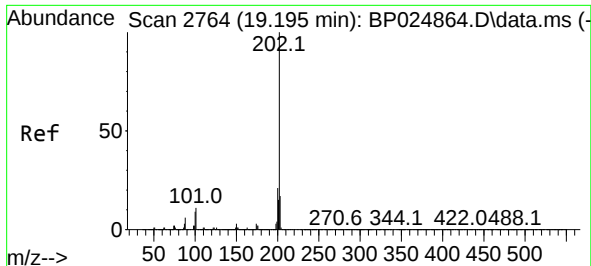
Tgt Ion:178 Resp: 920713
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.7 22.1
 179 15.7 12.3 18.5



#73
 Carbazole
 Concen: 5.790 ng
 RT: 17.483 min Scan# 2473
 Delta R.T. -0.006 min
 Lab File: BP024917.D
 Acq: 11 Jun 2025 18:27

Tgt Ion:167 Resp: 321499
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.3 25.9
 139 14.0 10.8 16.2

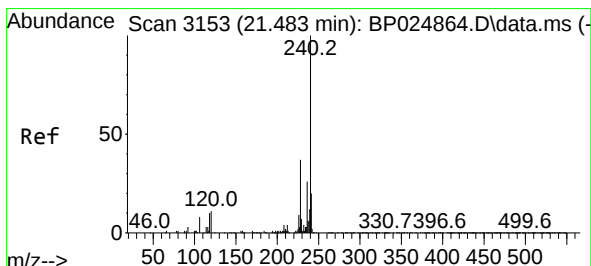
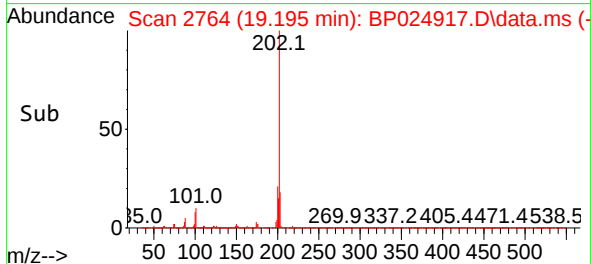
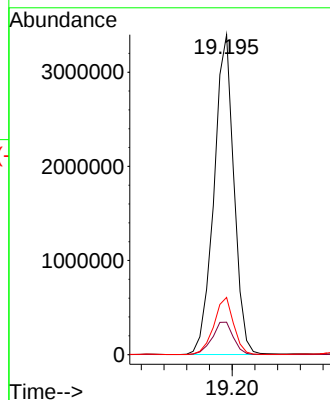
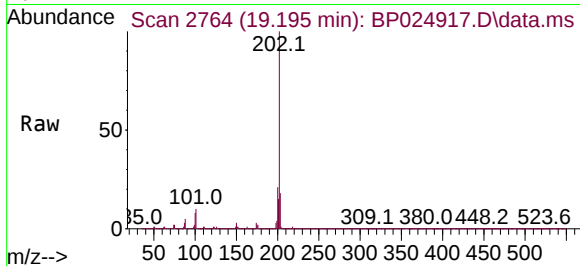




#75
Fluoranthene
Concen: 60.320 ng
RT: 19.195 min Scan# 2764
Delta R.T. -0.000 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:202 Resp: 4135705

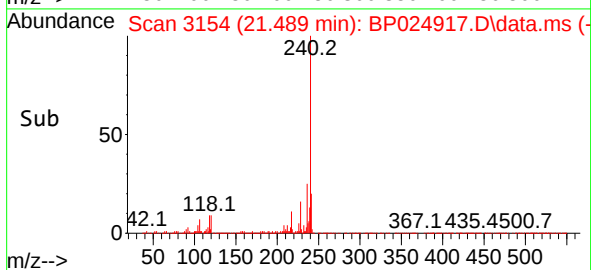
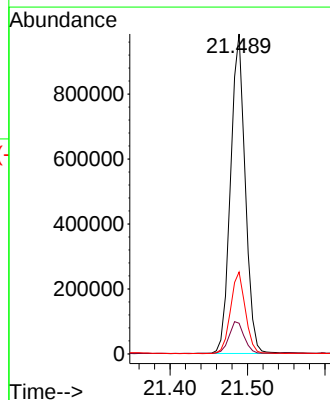
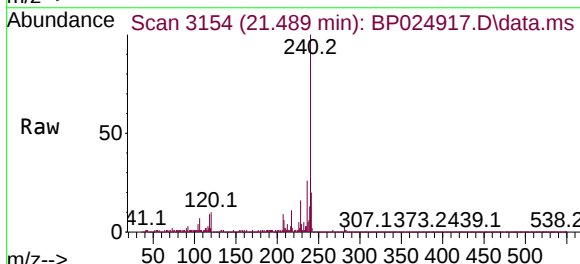
Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.4
203	17.9	0.0	37.5

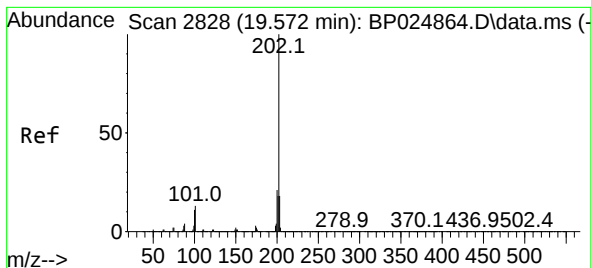


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3154
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:240 Resp: 1300156

Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.9	13.3
236	25.6	20.9	31.3





#78

Pyrene

Concen: 45.446 ng

RT: 19.572 min Scan# 2828

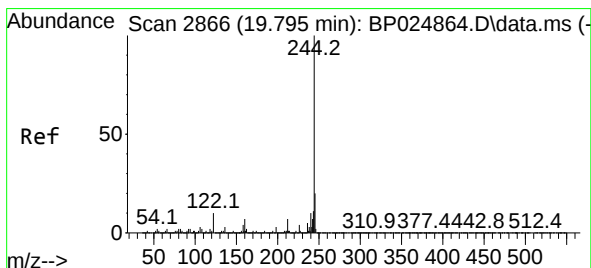
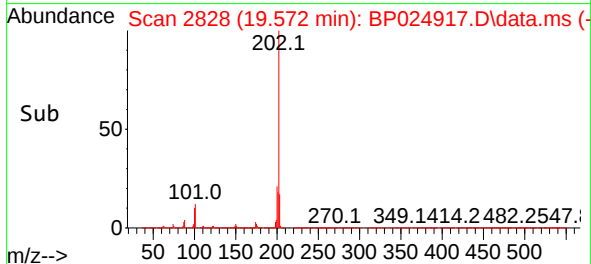
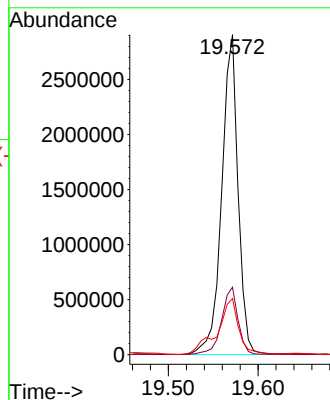
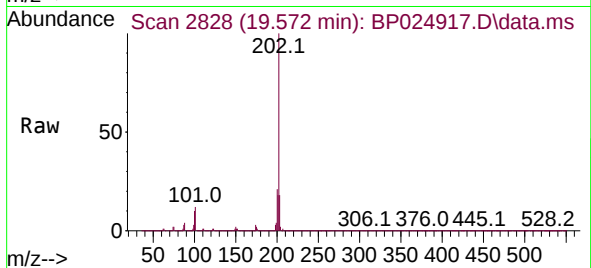
Delta R.T. -0.000 min

Lab File: BP024917.D

Acq: 11 Jun 2025 18:27

Tgt Ion:202 Resp: 3691405

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	17.5	14.0	21.0



#79

Terphenyl-d14

Concen: 11.627 ng

RT: 19.777 min Scan# 2863

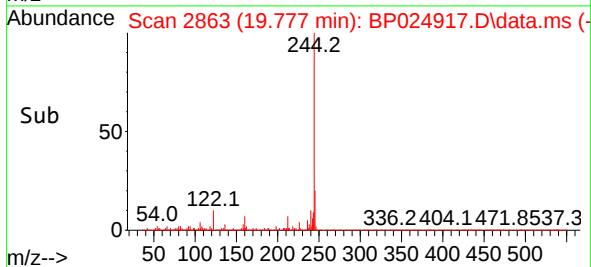
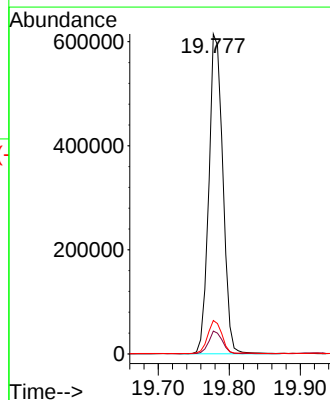
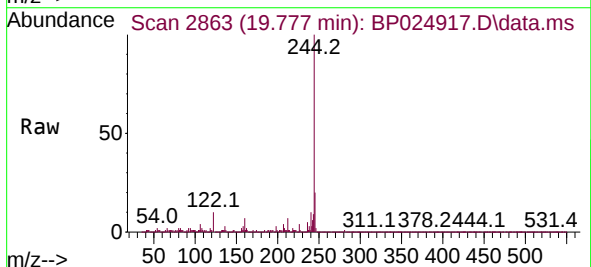
Delta R.T. -0.018 min

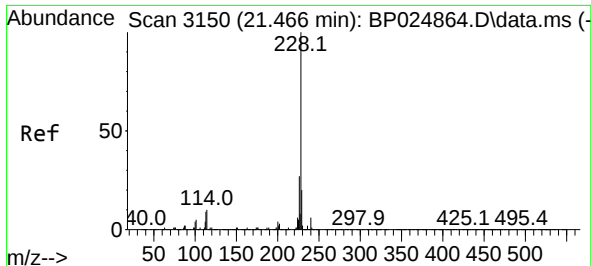
Lab File: BP024917.D

Acq: 11 Jun 2025 18:27

Tgt Ion:244 Resp: 843470

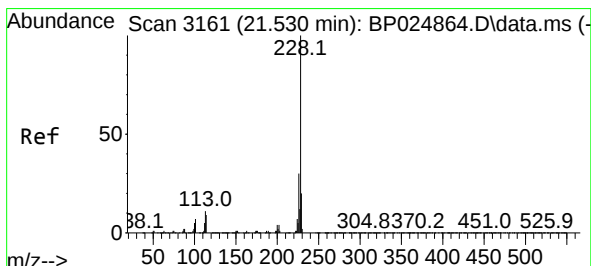
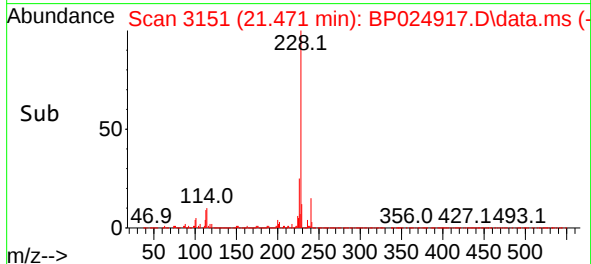
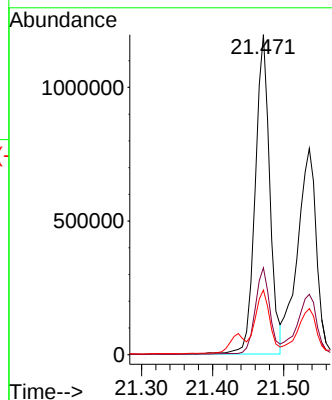
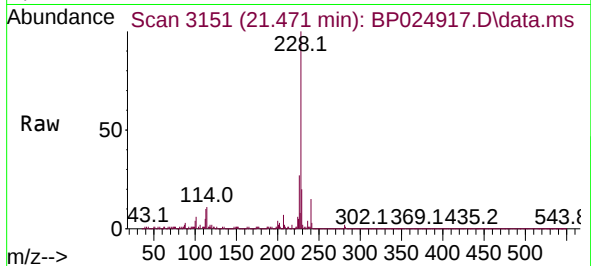
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	10.4	7.7	11.5





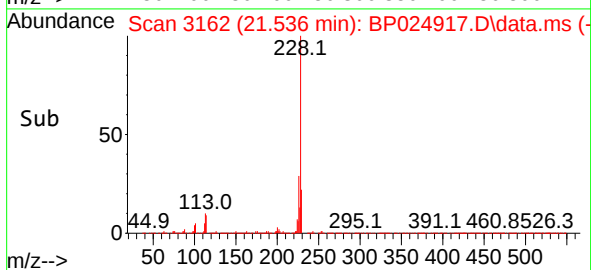
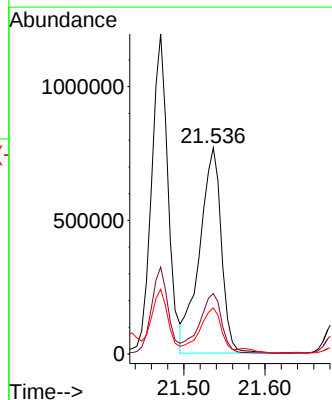
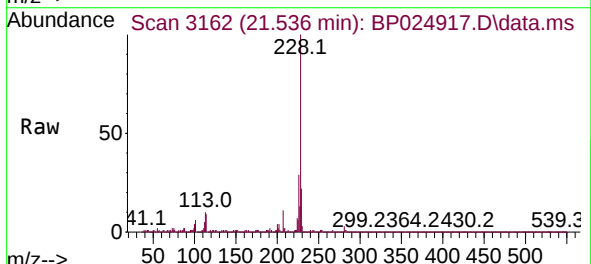
#81
Benzo(a)anthracene
Concen: 20.526 ng
RT: 21.471 min Scan# 3151
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

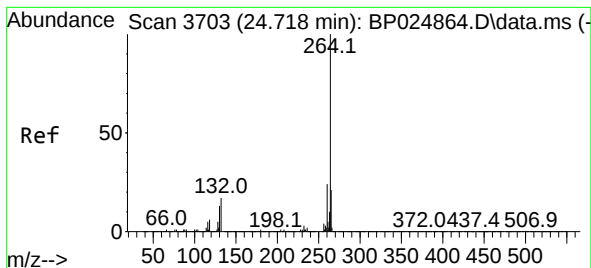
Tgt Ion:228 Resp: 1706833
Ion Ratio Lower Upper
228 100
226 27.1 22.1 33.1
229 20.2 15.9 23.9



#83
Chrysene
Concen: 18.244 ng
RT: 21.536 min Scan# 3162
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

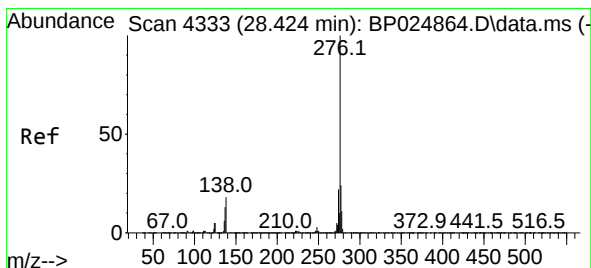
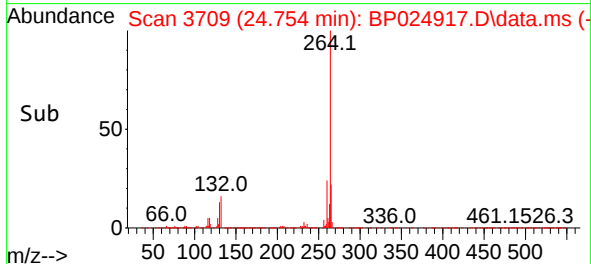
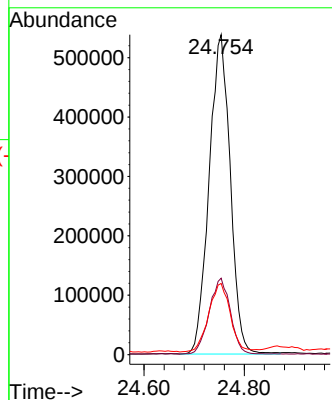
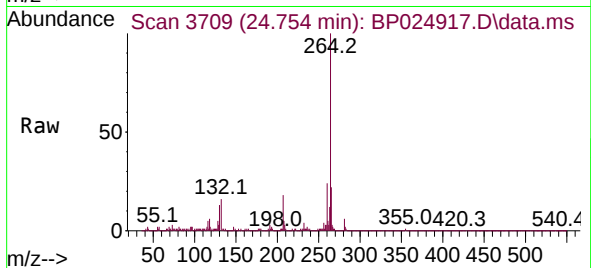
Tgt Ion:228 Resp: 1437484
Ion Ratio Lower Upper
228 100
226 29.3 23.8 35.6
229 22.3 15.6 23.4





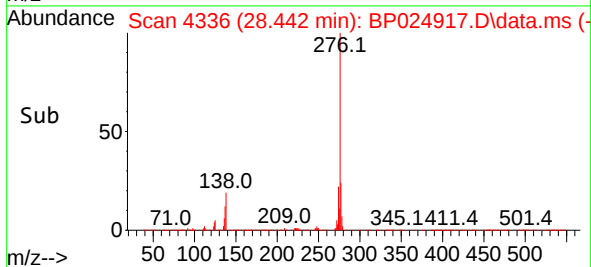
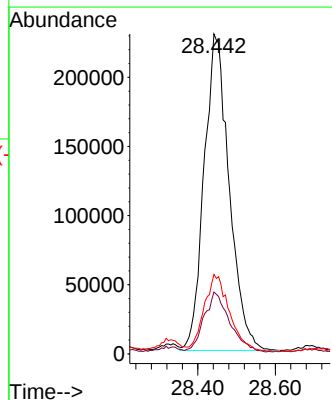
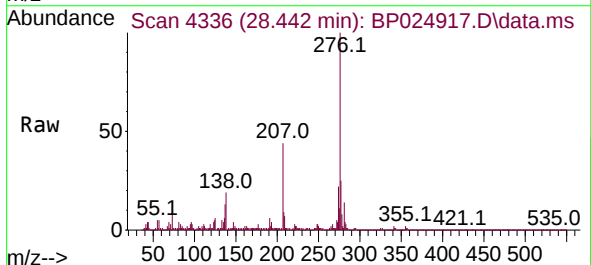
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.754 min Scan# 3709
Delta R.T. 0.035 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

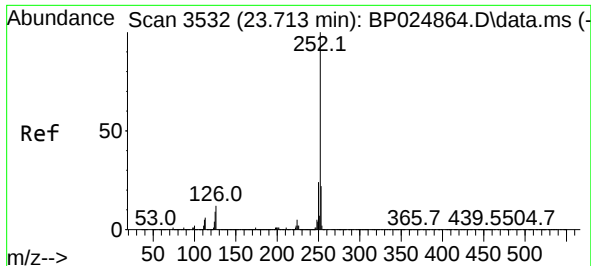
Tgt Ion:264 Resp: 1571242
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.4
265 22.2 17.4 26.0



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.982 ng
RT: 28.442 min Scan# 4336
Delta R.T. 0.018 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

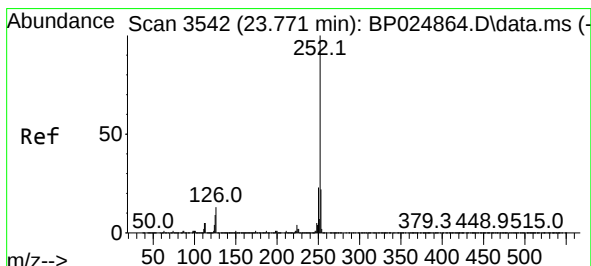
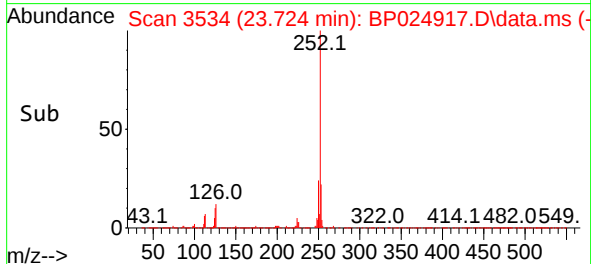
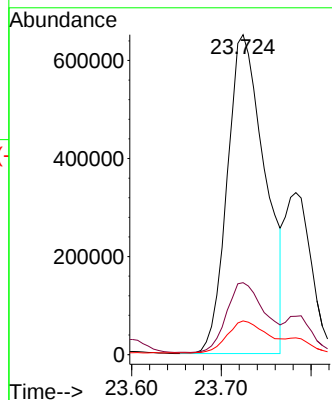
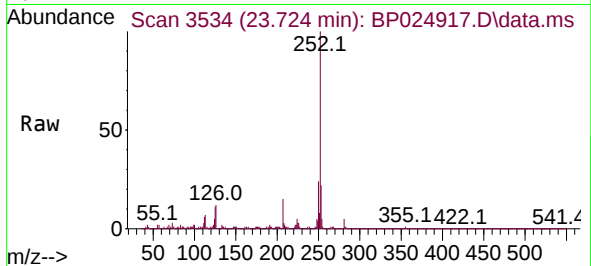
Tgt Ion:276 Resp: 1029739
Ion Ratio Lower Upper
276 100
138 19.2 18.6 27.8
277 24.4 20.2 30.4





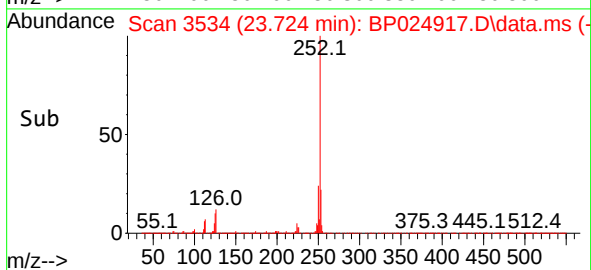
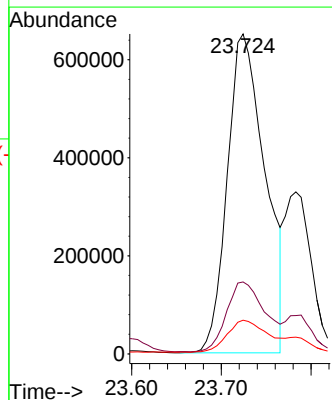
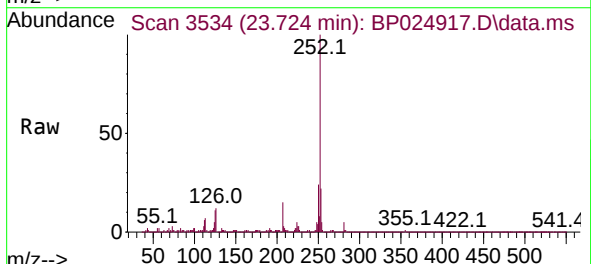
#88
Benzo(b)fluoranthene
Concen: 21.208 ng
RT: 23.724 min Scan# 3534
Delta R.T. 0.012 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

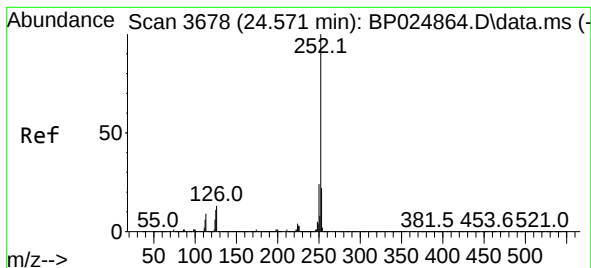
Tgt Ion:252 Resp: 1907061
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 10.5 7.1 10.7



#89
Benzo(k)fluoranthene
Concen: 20.835 ng
RT: 23.724 min Scan# 3534
Delta R.T. -0.047 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Tgt Ion:252 Resp: 1907061
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 10.5 7.4 11.0





#90

Benzo(a)pyrene

Concen: 18.072 ng

RT: 24.601 min Scan# 3683

Delta R.T. 0.029 min

Lab File: BP024917.D

Acq: 11 Jun 2025 18:27

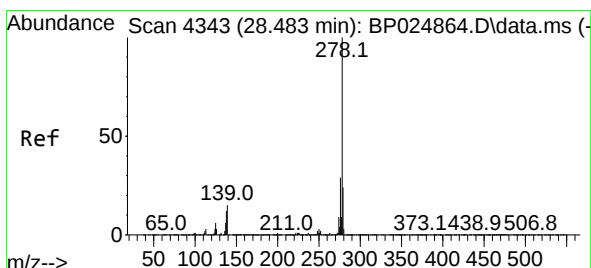
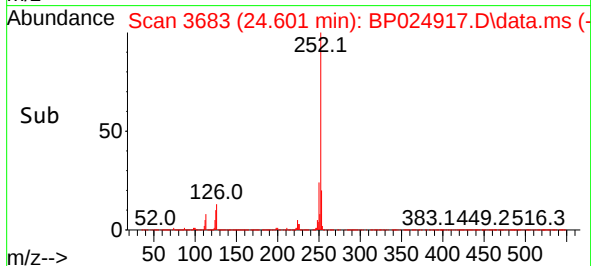
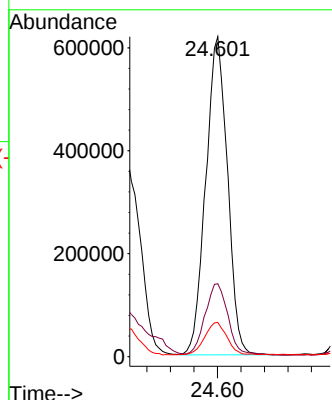
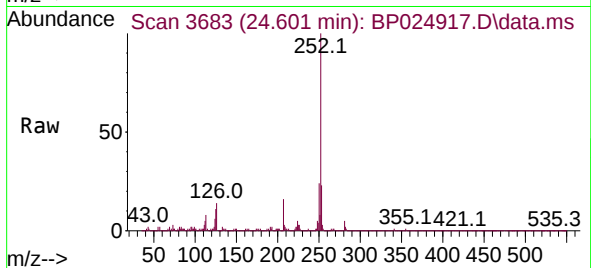
Tgt Ion:252 Resp: 1587050

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 10.7 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 2.459 ng

RT: 28.518 min Scan# 4349

Delta R.T. 0.035 min

Lab File: BP024917.D

Acq: 11 Jun 2025 18:27

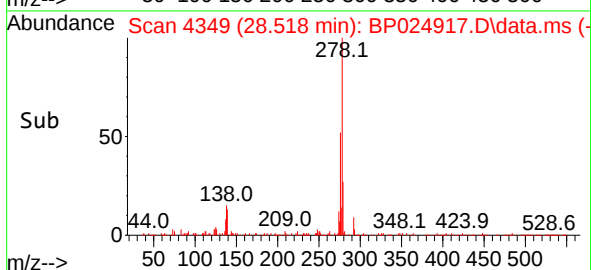
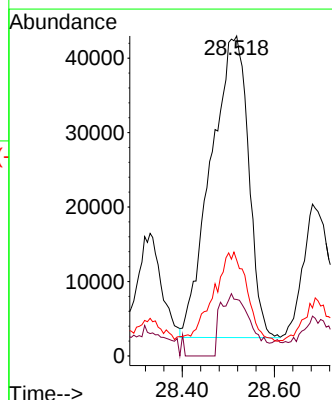
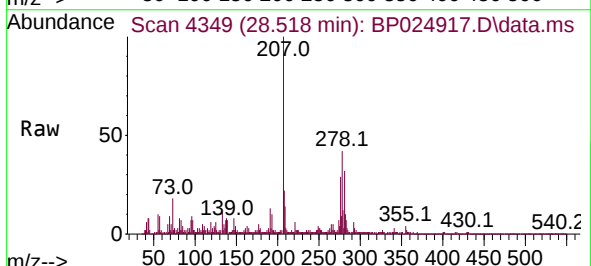
Tgt Ion:278 Resp: 229499

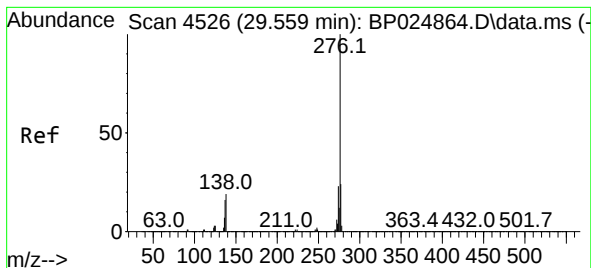
Ion Ratio Lower Upper

278 100

139 17.6 12.0 18.0

279 29.9 19.1 28.7#





#92

Benzo(g,h,i)perylene

Concen: 10.808 ng

RT: 29.600 min Scan# 4533

Delta R.T. 0.041 min

Lab File: BP024917.D

Acq: 11 Jun 2025 18:27

Tgt Ion:276 Resp: 1000654

Ion Ratio Lower Upper

276 100

277 25.0 19.1 28.7

138 19.7 15.4 23.2

