

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
 Data File : BP024918.D
 Acq On : 11 Jun 2025 19:08
 Operator : RC/JU
 Sample : Q2241-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 12 01:58:16 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

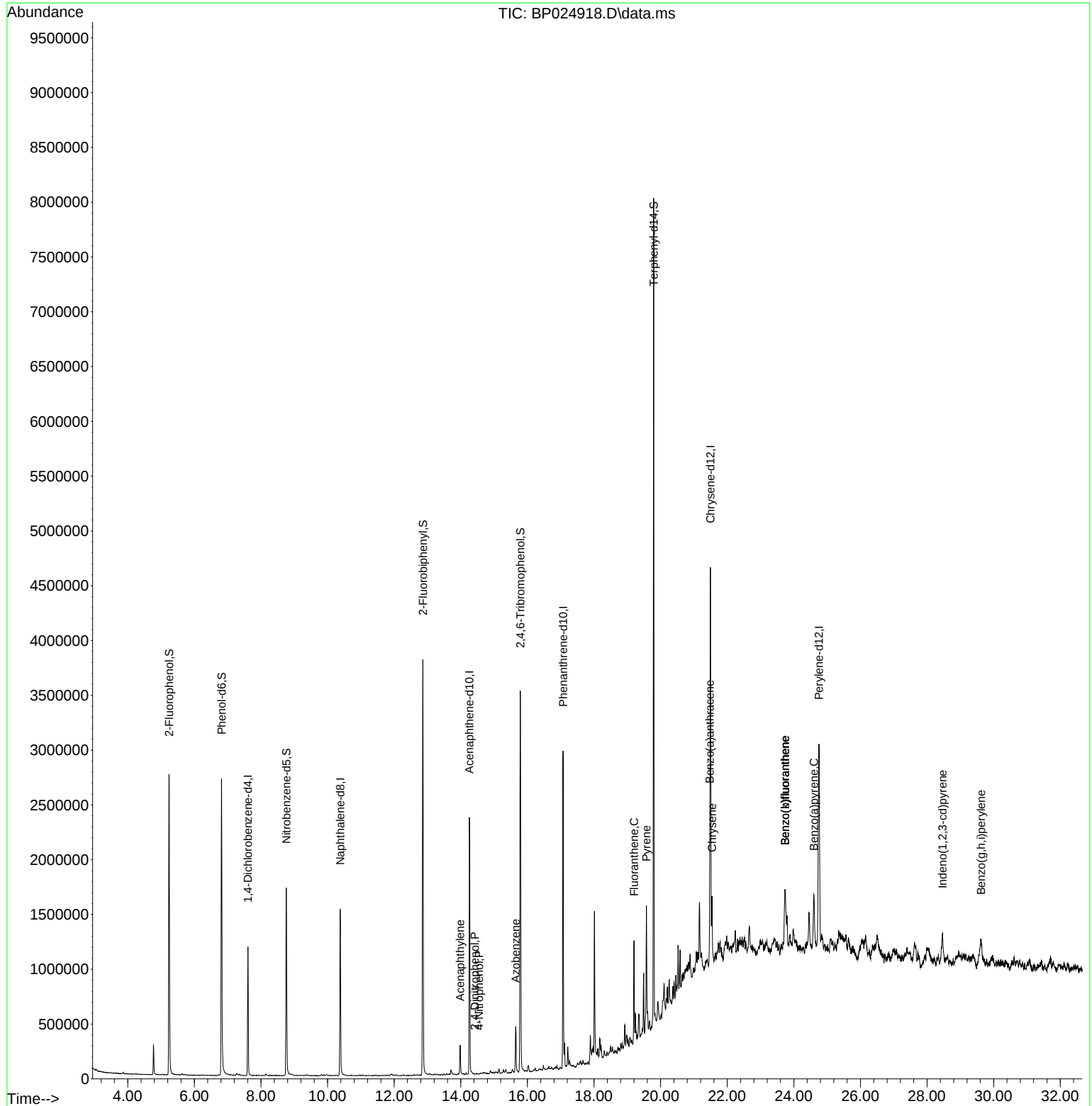
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

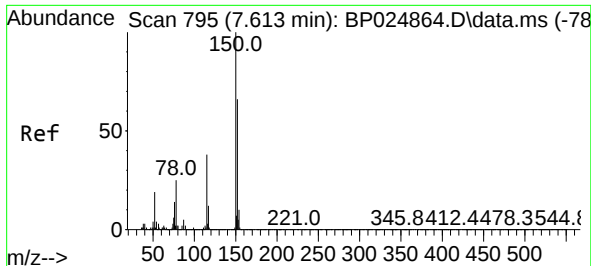
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	315509	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1280603	20.000	ng	0.00
39) Acenaphthene-d10	14.260	164	812695	20.000	ng	0.01
64) Phenanthrene-d10	17.072	188	1622105	20.000	ng	0.01
76) Chrysene-d12	21.495	240	1694614	20.000	ng	0.01
86) Perylene-d12	24.754	264	1960741	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1322562	69.970	ng	0.00
7) Phenol-d6	6.813	99	1775571	70.997	ng	0.00
23) Nitrobenzene-d5	8.760	82	1060343	40.235	ng	0.00
42) 2,4,6-Tribromophenol	15.789	330	856968	76.270	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	2129553	35.299	ng	0.00
79) Terphenyl-d14	19.789	244	3294499	34.843	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	13.978	152	214562	2.835	ng	98
54) 2,4-Dinitrophenol	14.419	184	71	5.571	ng	# 1
56) 4-Nitrophenol	14.548	139	218	5.427	ng	# 64
63) Azobenzene	15.648	77	134003	2.445	ng	# 1
75) Fluoranthene	19.201	202	520254	5.007	ng	99
78) Pyrene	19.572	202	638012	6.026	ng	99
81) Benzo(a)anthracene	21.477	228	464452	4.285	ng	95
83) Chrysene	21.542	228	446506	4.348	ng	97
87) Indeno(1,2,3-cd)pyrene	28.465	276	343195	2.399	ng	94
88) Benzo(b)fluoranthene	23.736	252	646232	5.759	ng	# 93
89) Benzo(k)fluoranthene	23.736	252	646232	5.658	ng	# 93
90) Benzo(a)pyrene	24.601	252	505094	4.609	ng	96
92) Benzo(g,h,i)perylene	29.618	276	346140	2.996	ng	96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024918.D
Acq On : 11 Jun 2025 19:08
Operator : RC/JU
Sample : Q2241-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

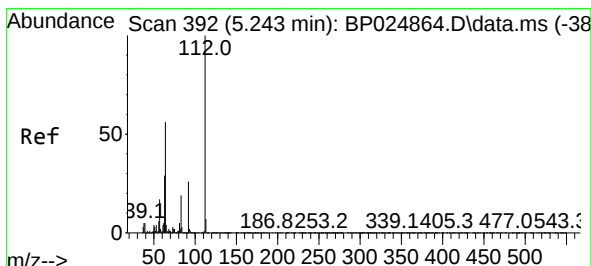
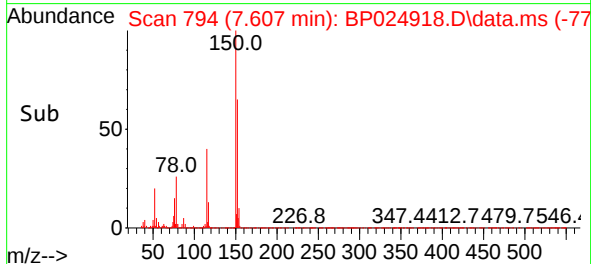
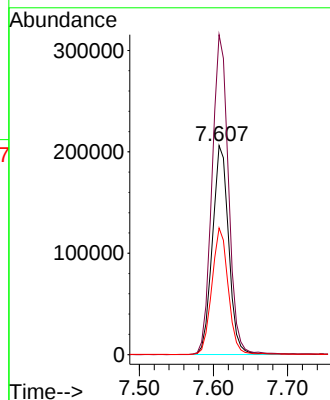
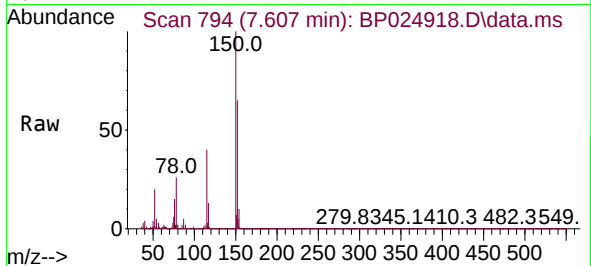
Quant Time: Jun 12 01:58:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration





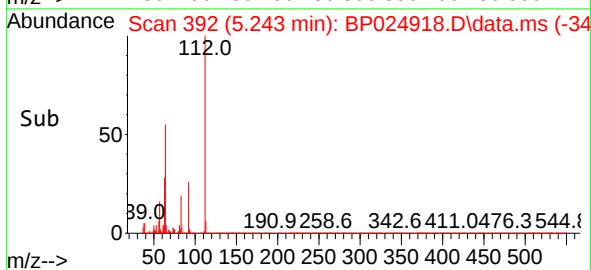
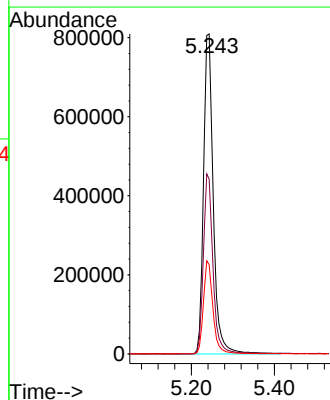
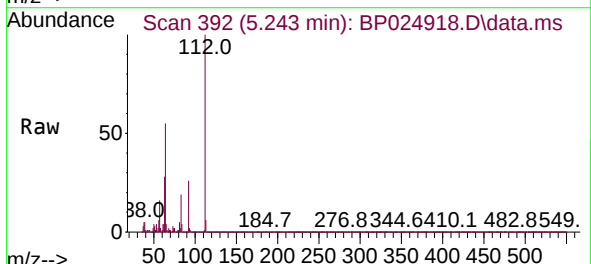
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.607 min Scan# 794
Delta R.T. -0.006 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

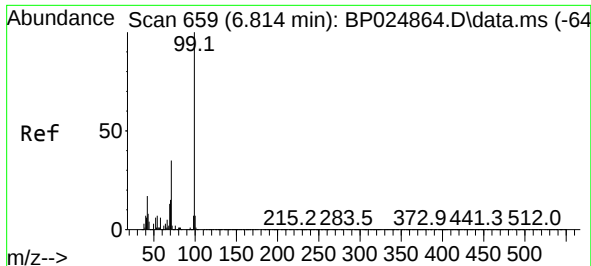
Tgt Ion:152 Resp: 315509
Ion Ratio Lower Upper
152 100
150 153.0 122.1 183.1
115 60.6 46.4 69.6



#5
2-Fluorophenol
Concen: 69.970 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

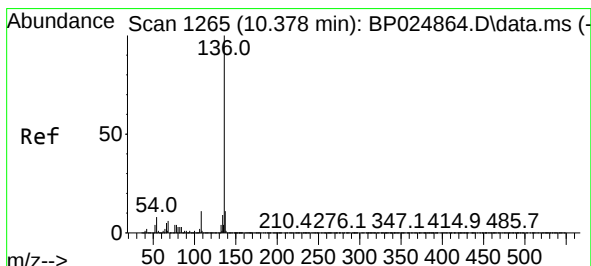
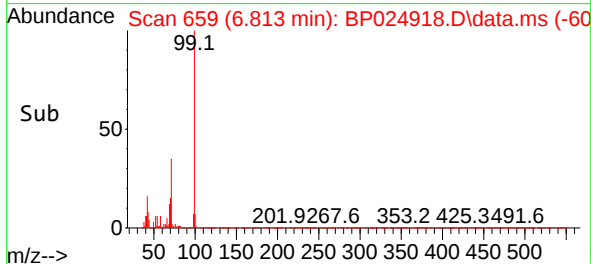
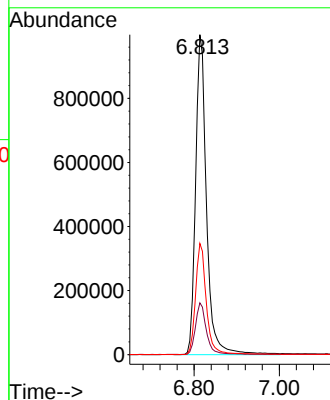
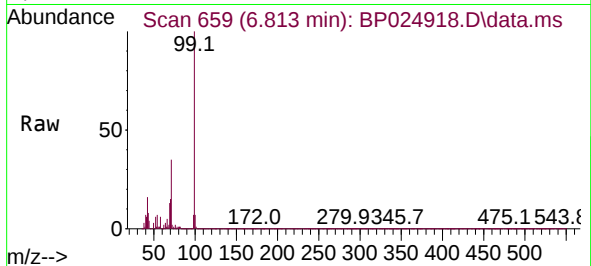
Tgt Ion:112 Resp: 1322562
Ion Ratio Lower Upper
112 100
64 54.6 44.7 67.1
63 27.9 23.5 35.3





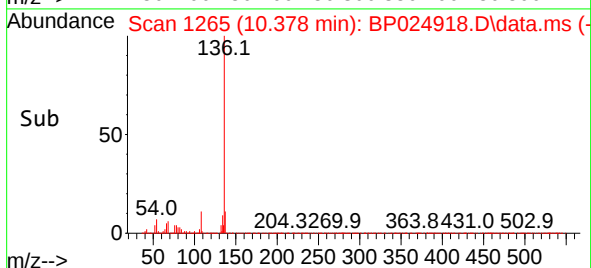
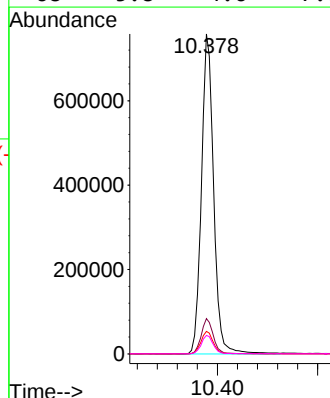
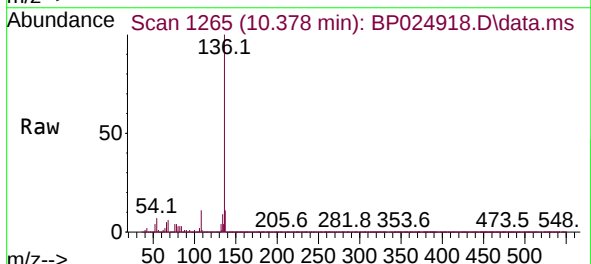
#7
Phenol-d6
Concen: 70.997 ng
RT: 6.813 min Scan# 659
Delta R.T. -0.000 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

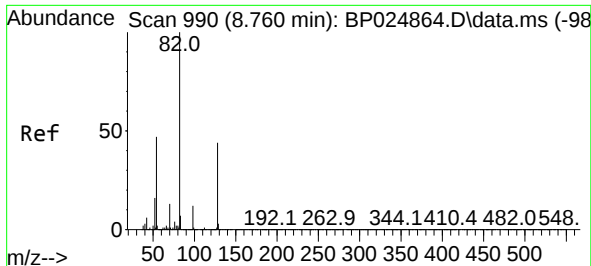
Tgt Ion:	99	Resp:	1775571
Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.4	20.2
71	34.7	27.6	41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

Tgt Ion:	136	Resp:	1280603
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.0	6.1	9.1
68	5.8	4.6	7.0

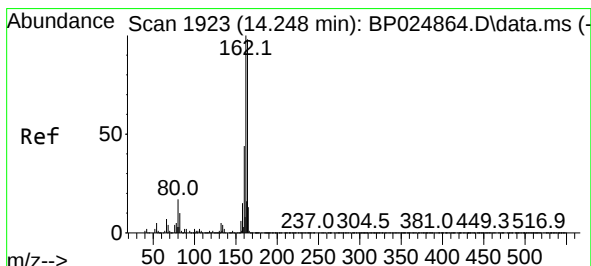
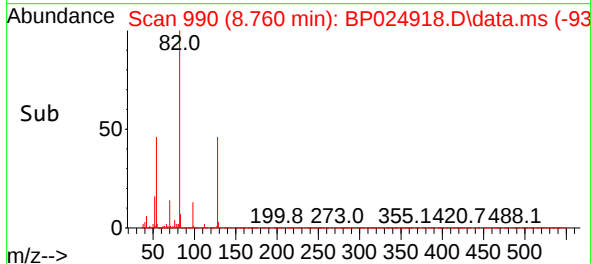
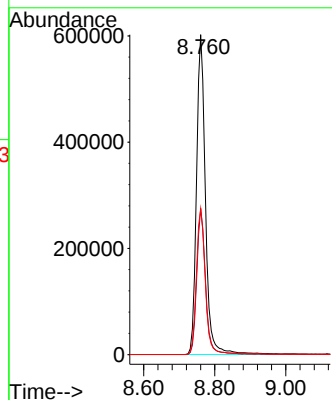
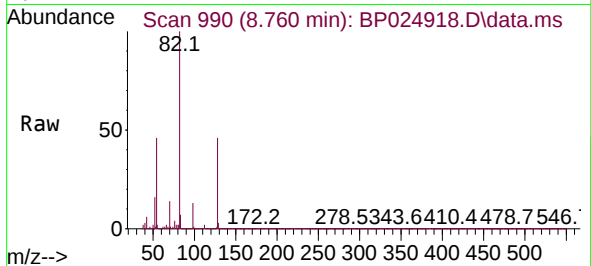




#23
Nitrobenzene-d5
Concen: 40.235 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

Tgt Ion: 82 Resp: 1060343

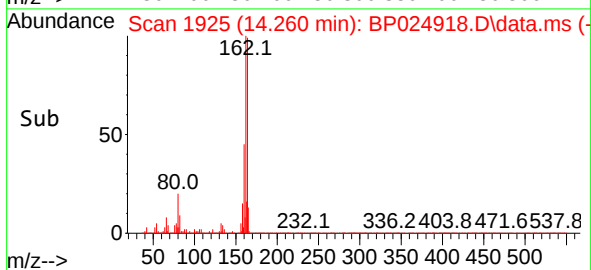
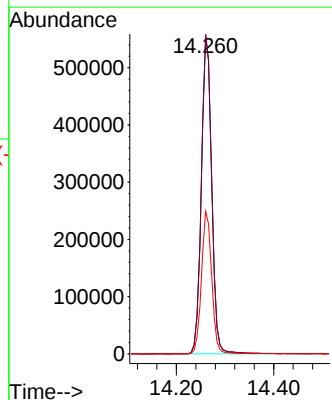
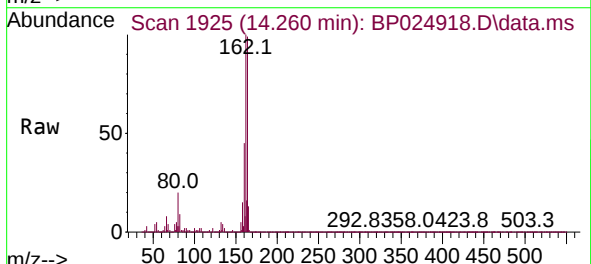
Ion	Ratio	Lower	Upper
82	100		
128	45.6	35.3	52.9
54	45.7	37.4	56.0

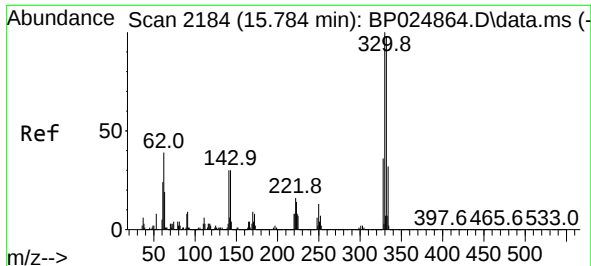


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.260 min Scan# 1925
Delta R.T. 0.012 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

Tgt Ion: 164 Resp: 812695

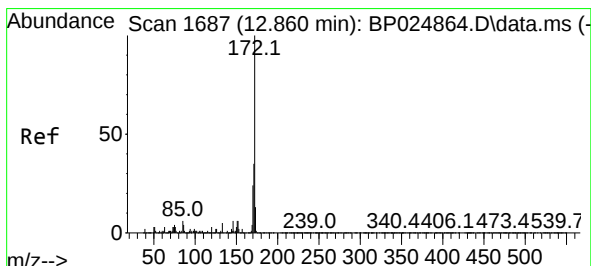
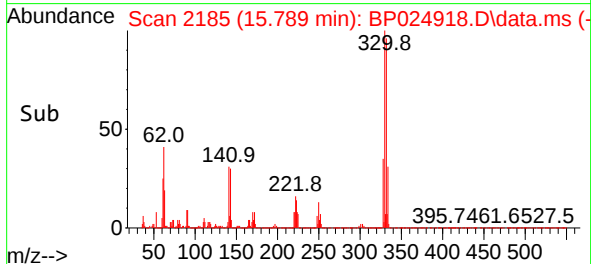
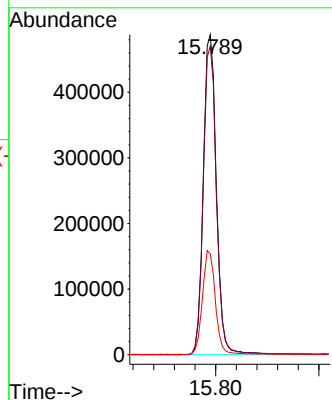
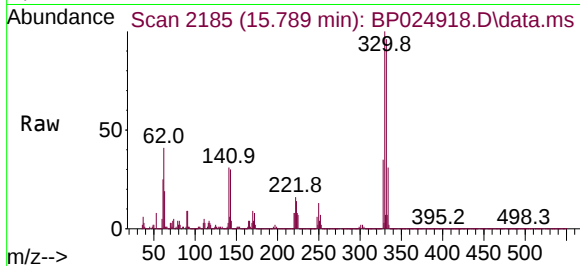
Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.6	122.4
160	44.9	36.2	54.2





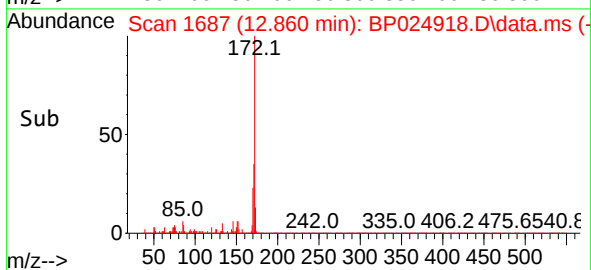
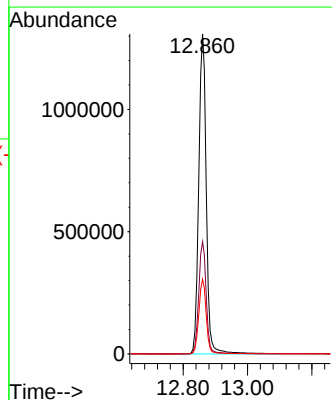
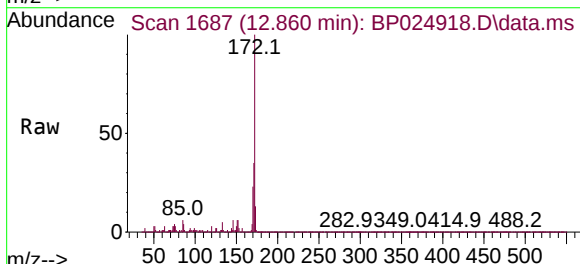
#42
2,4,6-Tribromophenol
Concen: 76.270 ng
RT: 15.789 min Scan# 2185
Delta R.T. 0.006 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

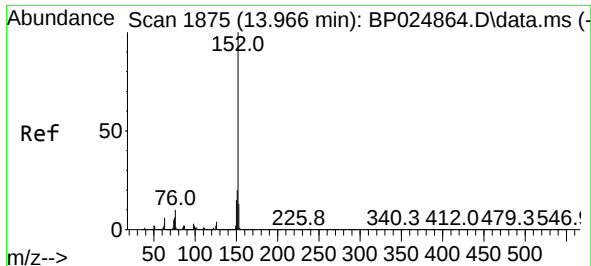
Tgt Ion: 330 Resp: 856968
Ion Ratio Lower Upper
330 100
332 96.7 77.7 116.5
141 32.0 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 35.299 ng
RT: 12.860 min Scan# 1687
Delta R.T. -0.000 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

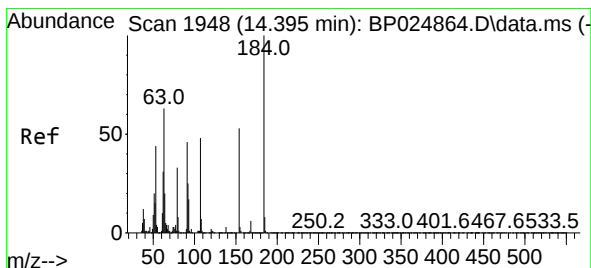
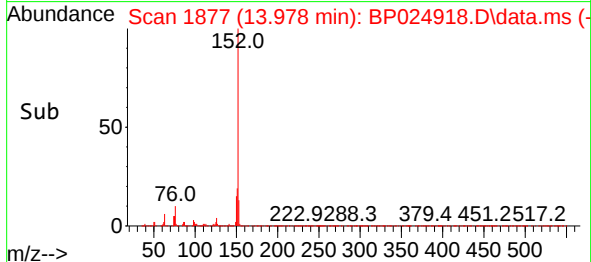
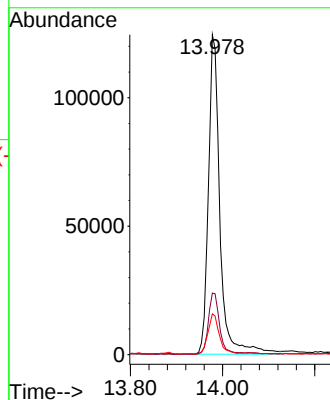
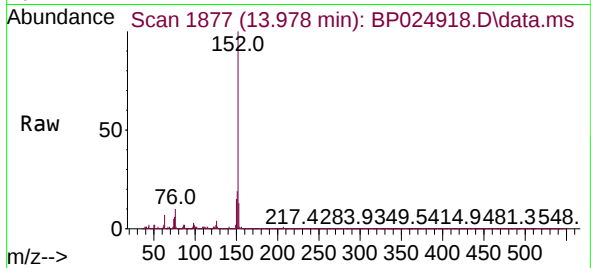
Tgt Ion: 172 Resp: 2129553
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.3 19.0 28.4





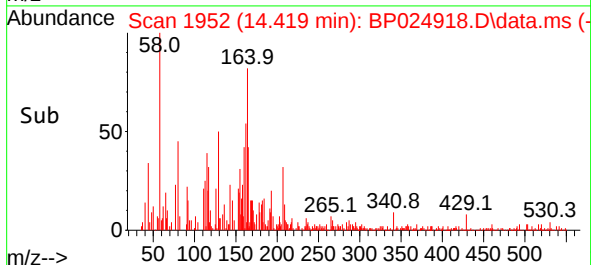
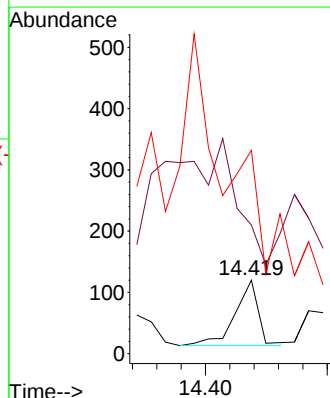
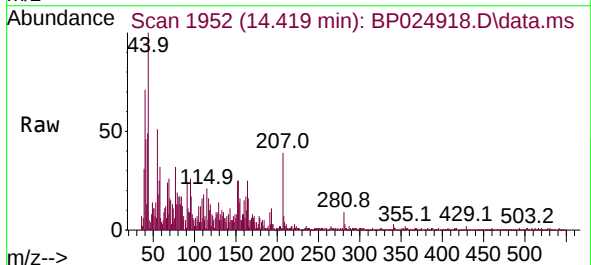
#49
Acenaphthylene
Concen: 2.835 ng
RT: 13.978 min Scan# 1877
Delta R.T. 0.012 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

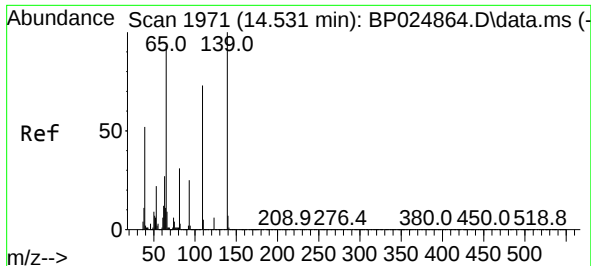
Tgt Ion:152	Resp:	214562
Ion Ratio	Lower	Upper
152	100	
151	19.2	16.2 24.2
153	12.7	10.6 15.8



#54
2,4-Dinitrophenol
Concen: 5.571 ng
RT: 14.419 min Scan# 1952
Delta R.T. 0.024 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

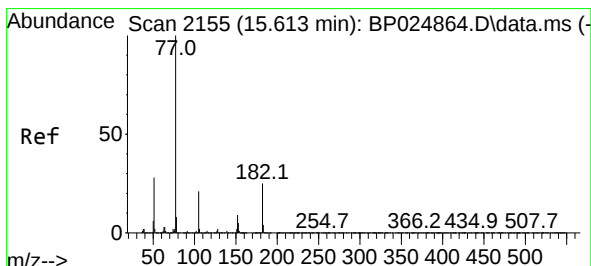
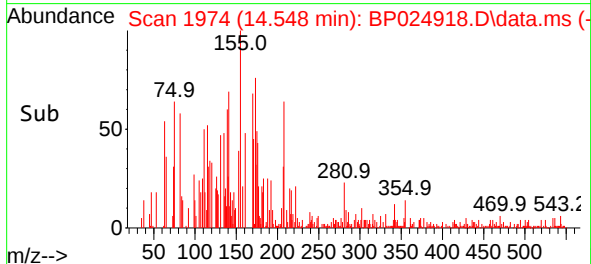
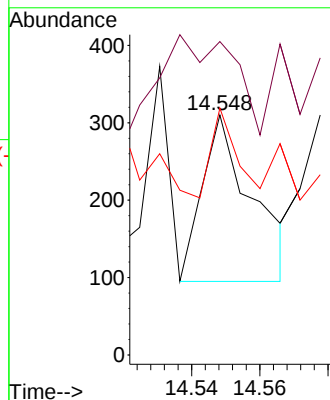
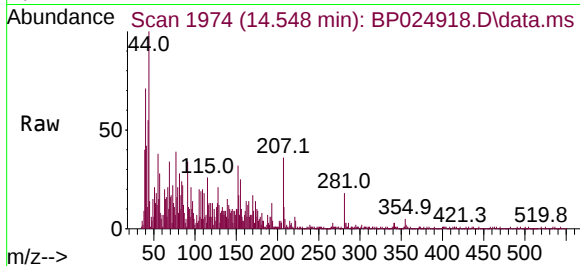
Tgt Ion:184	Resp:	71
Ion Ratio	Lower	Upper
184	100	
63	175.0	51.0 76.4#
154	276.7	51.7 77.5#





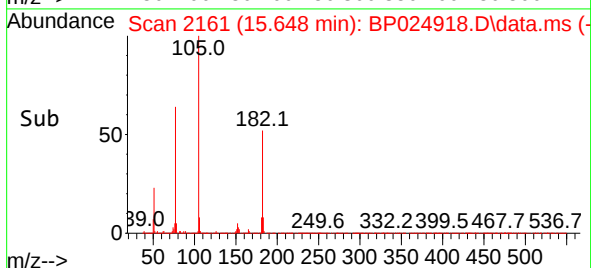
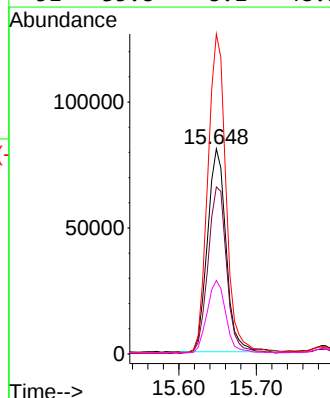
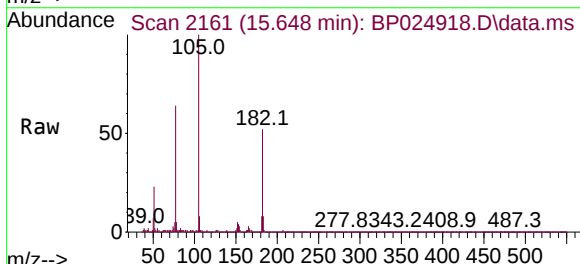
#56
4-Nitrophenol
Concen: 5.427 ng
RT: 14.548 min Scan# 1974
Delta R.T. 0.017 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

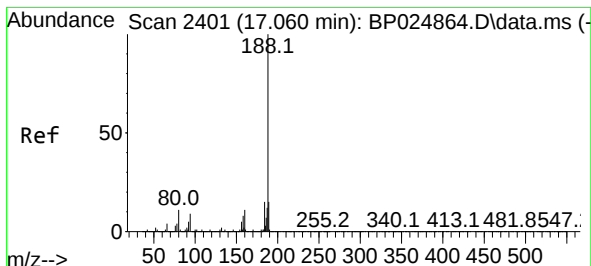
Tgt Ion	Ratio	Lower	Upper
139	100		
109	130.6	53.1	93.1#
65	102.9	73.0	113.0



#63
Azobenzene
Concen: 2.445 ng
RT: 15.648 min Scan# 2161
Delta R.T. 0.035 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

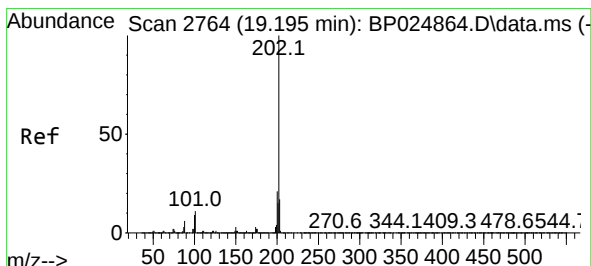
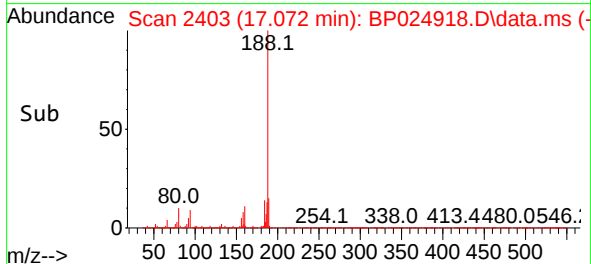
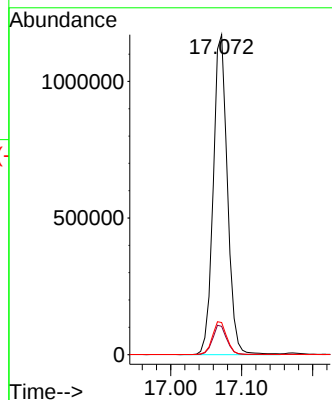
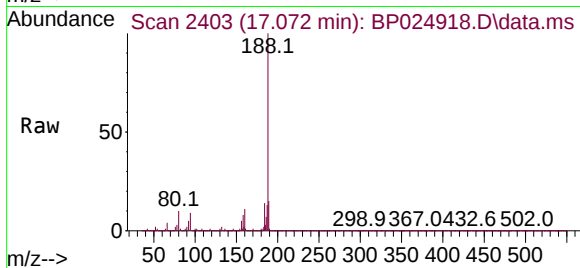
Tgt Ion	Ratio	Lower	Upper
77	100		
182	81.4	5.4	45.4#
105	156.0	0.8	40.8#
51	35.8	8.1	48.1





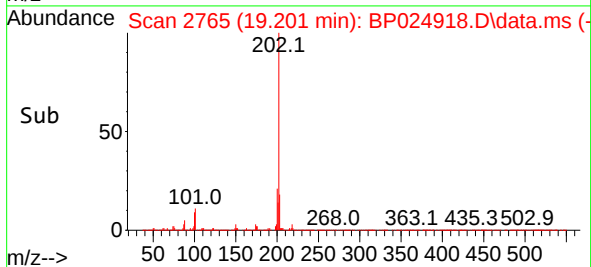
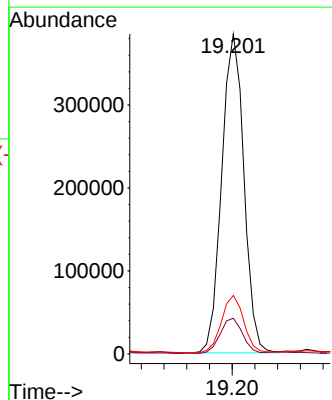
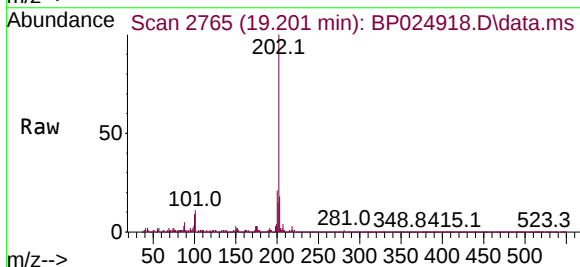
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.072 min Scan# 2403
Delta R.T. 0.012 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

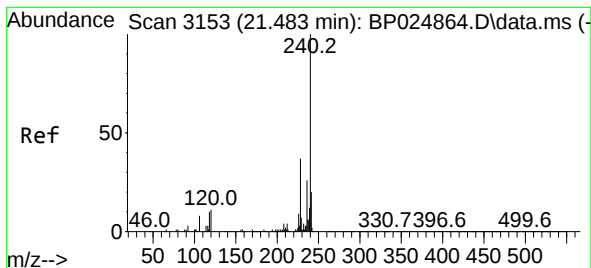
Tgt Ion:188 Resp: 1622105
Ion Ratio Lower Upper
188 100
94 8.8 7.3 10.9
80 10.0 8.5 12.7



#75
Fluoranthene
Concen: 5.007 ng
RT: 19.201 min Scan# 2765
Delta R.T. 0.006 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

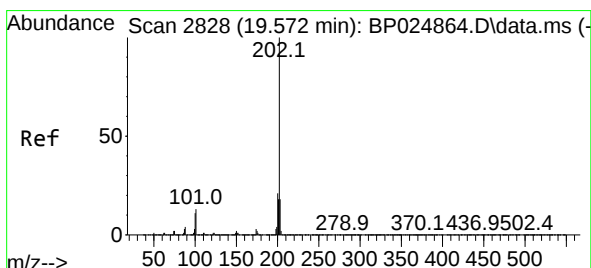
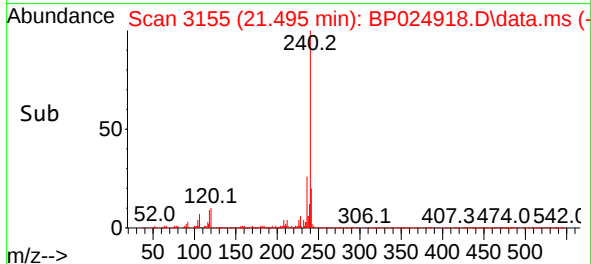
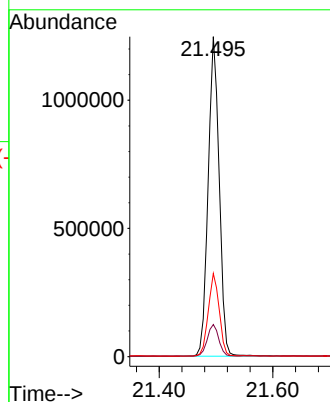
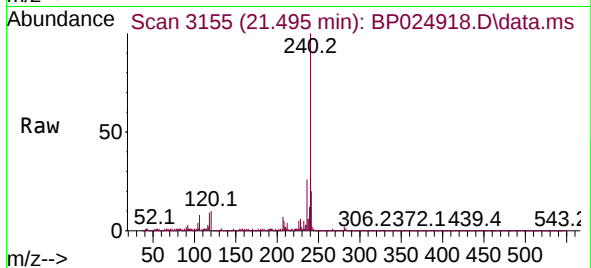
Tgt Ion:202 Resp: 520254
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.4
203 18.3 0.0 37.5





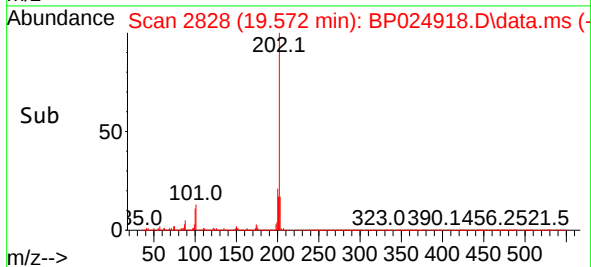
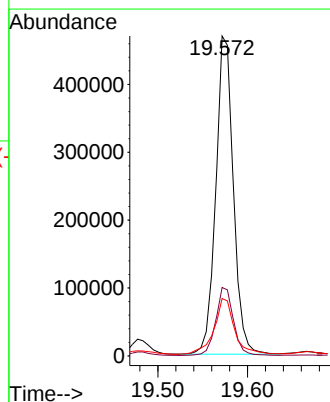
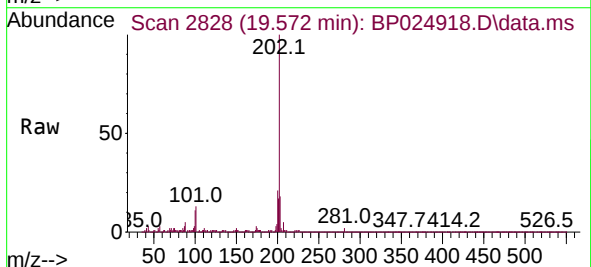
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.495 min Scan# 3155
Delta R.T. 0.012 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

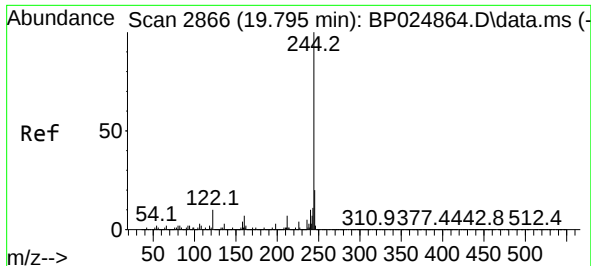
Tgt Ion:240 Resp: 1694614
Ion Ratio Lower Upper
240 100
120 10.0 8.9 13.3
236 26.0 20.9 31.3



#78
Pyrene
Concen: 6.026 ng
RT: 19.572 min Scan# 2828
Delta R.T. -0.000 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

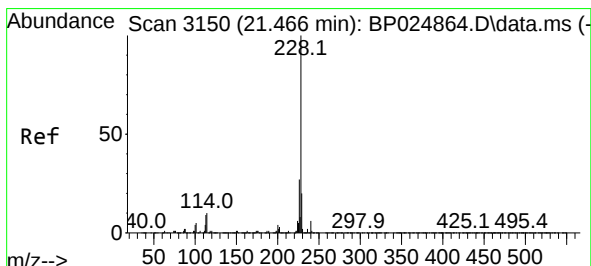
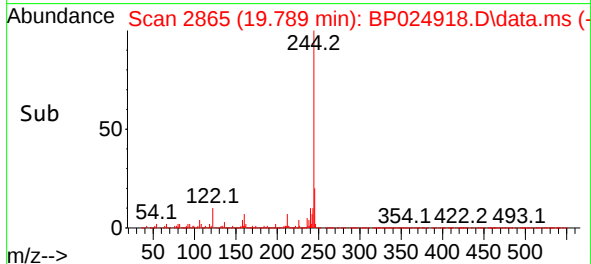
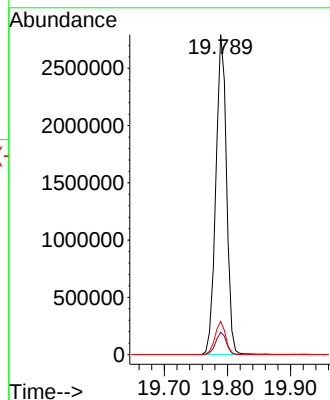
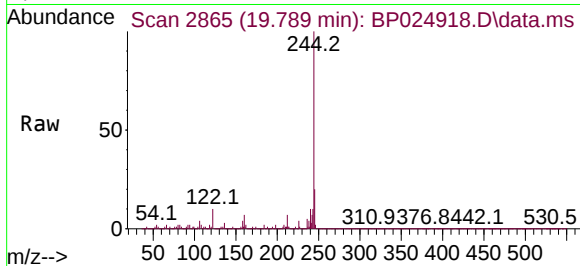
Tgt Ion:202 Resp: 638012
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 17.9 14.0 21.0





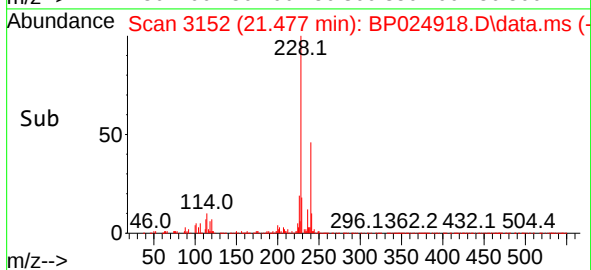
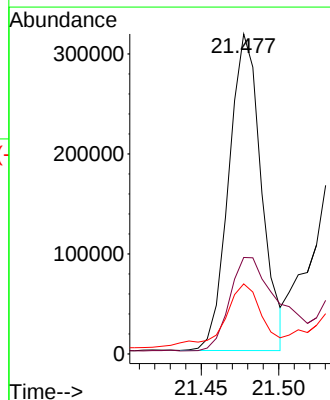
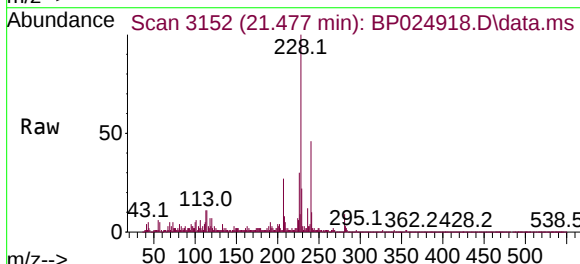
#79
Terphenyl-d14
Concen: 34.843 ng
RT: 19.789 min Scan# 2865
Delta R.T. -0.006 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

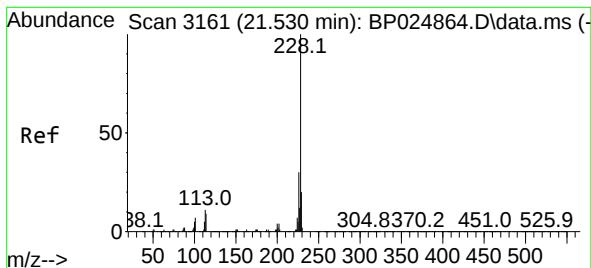
Tgt Ion:244 Resp: 3294499
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 10.4 7.7 11.5



#81
Benzo(a)anthracene
Concen: 4.285 ng
RT: 21.477 min Scan# 3152
Delta R.T. 0.012 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

Tgt Ion:228 Resp: 464452
Ion Ratio Lower Upper
228 100
226 30.1 22.1 33.1
229 21.9 15.9 23.9





#83

Chrysene

Concen: 4.348 ng

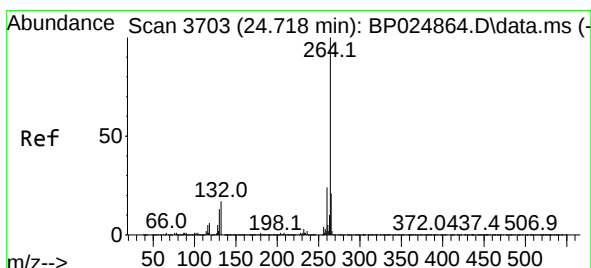
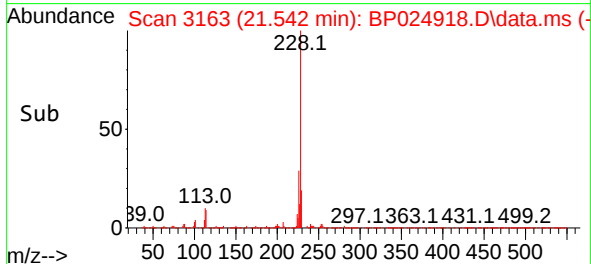
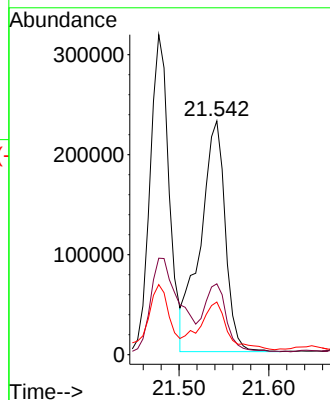
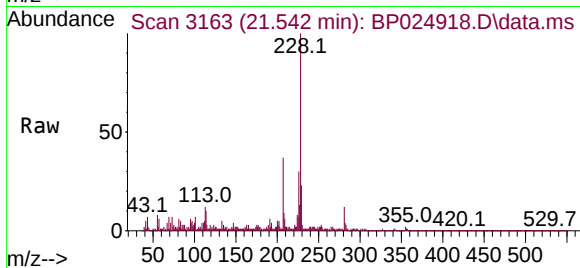
RT: 21.542 min Scan# 3163

Delta R.T. 0.012 min

Lab File: BP024918.D

Acq: 11 Jun 2025 19:08

Tgt Ion:	228	Resp:	446506
Ion Ratio	Lower	Upper	
228	100		
226	30.3	23.8	35.6
229	22.5	15.6	23.4



#86

Perylene-d12

Concen: 20.000 ng

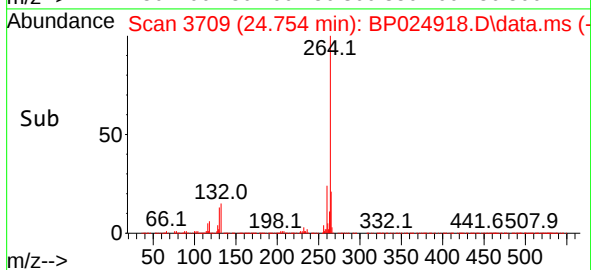
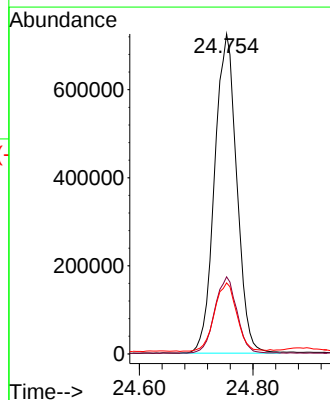
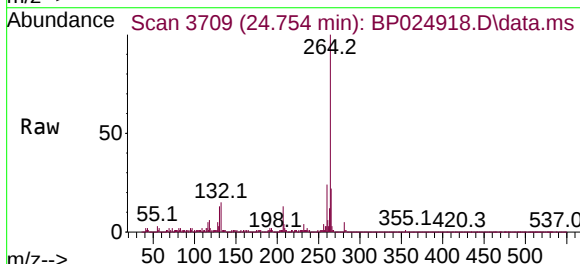
RT: 24.754 min Scan# 3709

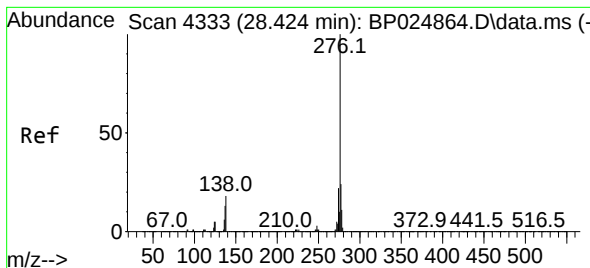
Delta R.T. 0.035 min

Lab File: BP024918.D

Acq: 11 Jun 2025 19:08

Tgt Ion:	264	Resp:	1960741
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.0	28.4
265	22.2	17.4	26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.399 ng

RT: 28.465 min Scan# 4340

Delta R.T. 0.041 min

Lab File: BP024918.D

Acq: 11 Jun 2025 19:08

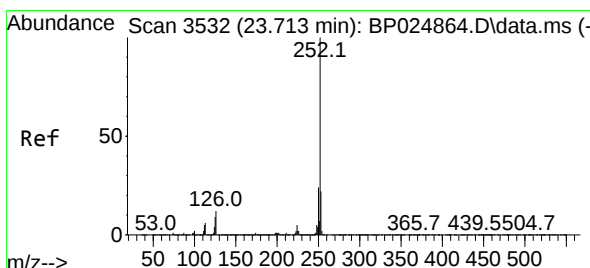
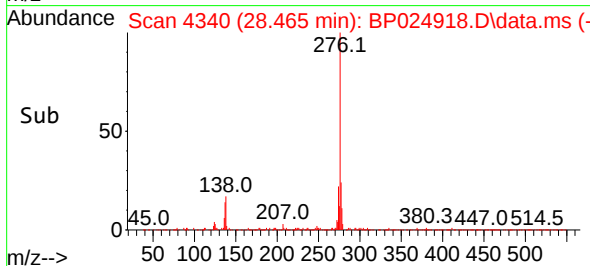
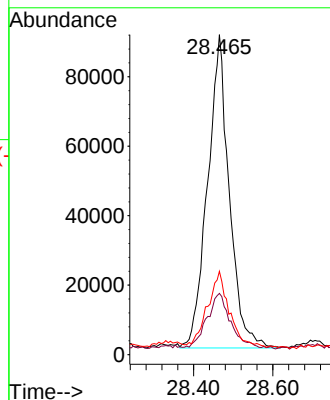
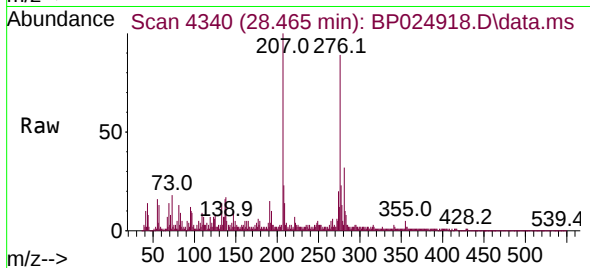
Tgt Ion:276 Resp: 343195

Ion Ratio Lower Upper

276 100

138 18.6 18.6 27.8

277 24.2 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 5.759 ng

RT: 23.736 min Scan# 3536

Delta R.T. 0.023 min

Lab File: BP024918.D

Acq: 11 Jun 2025 19:08

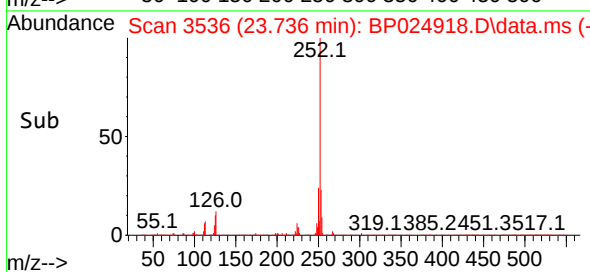
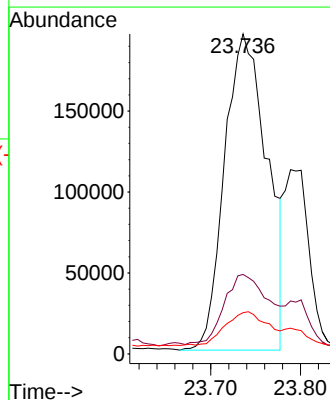
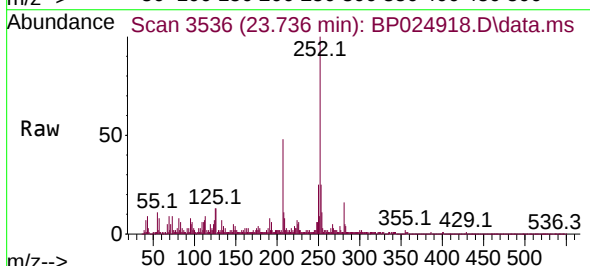
Tgt Ion:252 Resp: 646232

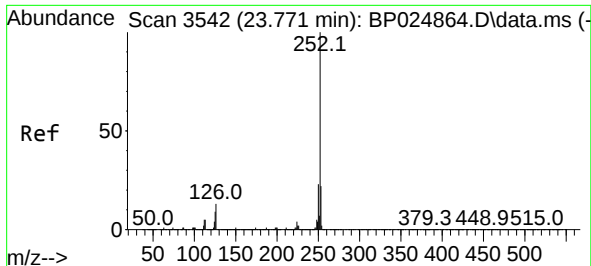
Ion Ratio Lower Upper

252 100

253 24.8 17.6 26.4

125 12.9 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 5.658 ng

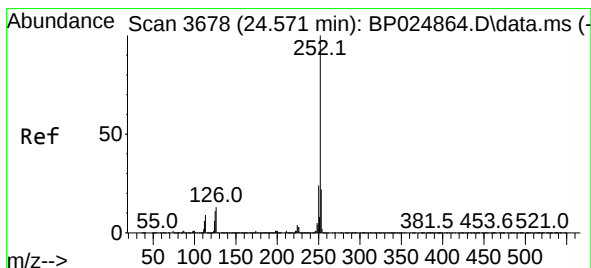
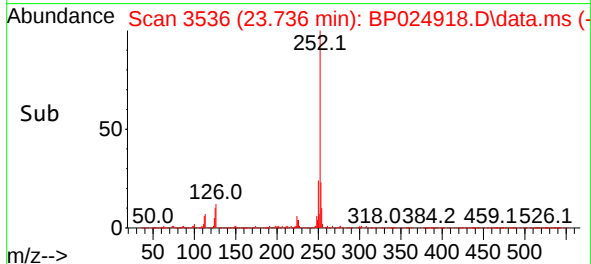
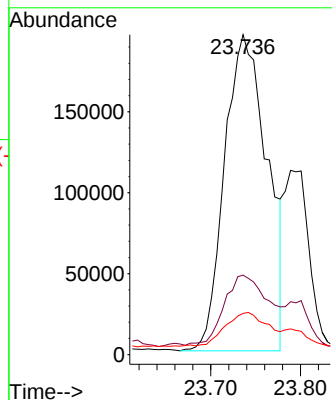
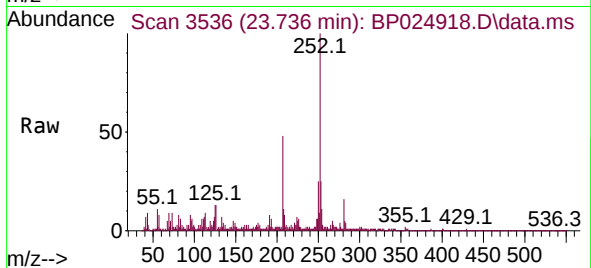
RT: 23.736 min Scan# 3536

Delta R.T. -0.035 min

Lab File: BP024918.D

Acq: 11 Jun 2025 19:08

Tgt Ion:252 Resp: 646232
 Ion Ratio Lower Upper
 252 100
 253 24.8 17.7 26.5
 125 12.9 7.4 11.0#



#90

Benzo(a)pyrene

Concen: 4.609 ng

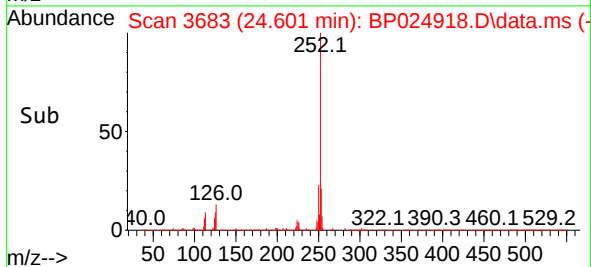
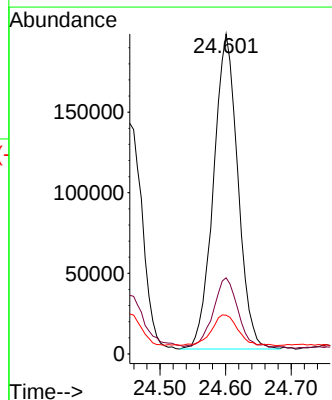
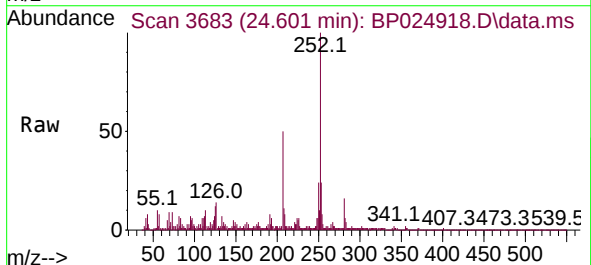
RT: 24.601 min Scan# 3683

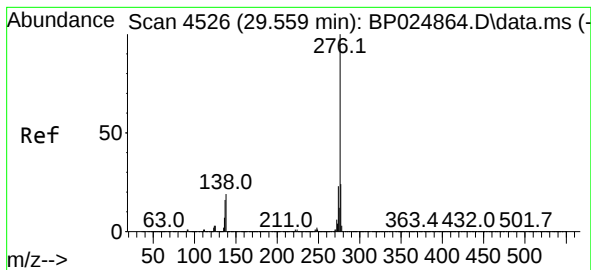
Delta R.T. 0.029 min

Lab File: BP024918.D

Acq: 11 Jun 2025 19:08

Tgt Ion:252 Resp: 505094
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.5 26.3
 125 12.1 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.996 ng
 RT: 29.618 min Scan# 4536
 Delta R.T. 0.059 min
 Lab File: BP024918.D
 Acq: 11 Jun 2025 19:08

Tgt Ion:	276	Resp:	346140
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.1	28.7
138	22.2	15.4	23.2

