

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
 Data File : BP024920.D
 Acq On : 11 Jun 2025 20:30
 Operator : RC/JU
 Sample : Q2125-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 12 01:59:16 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

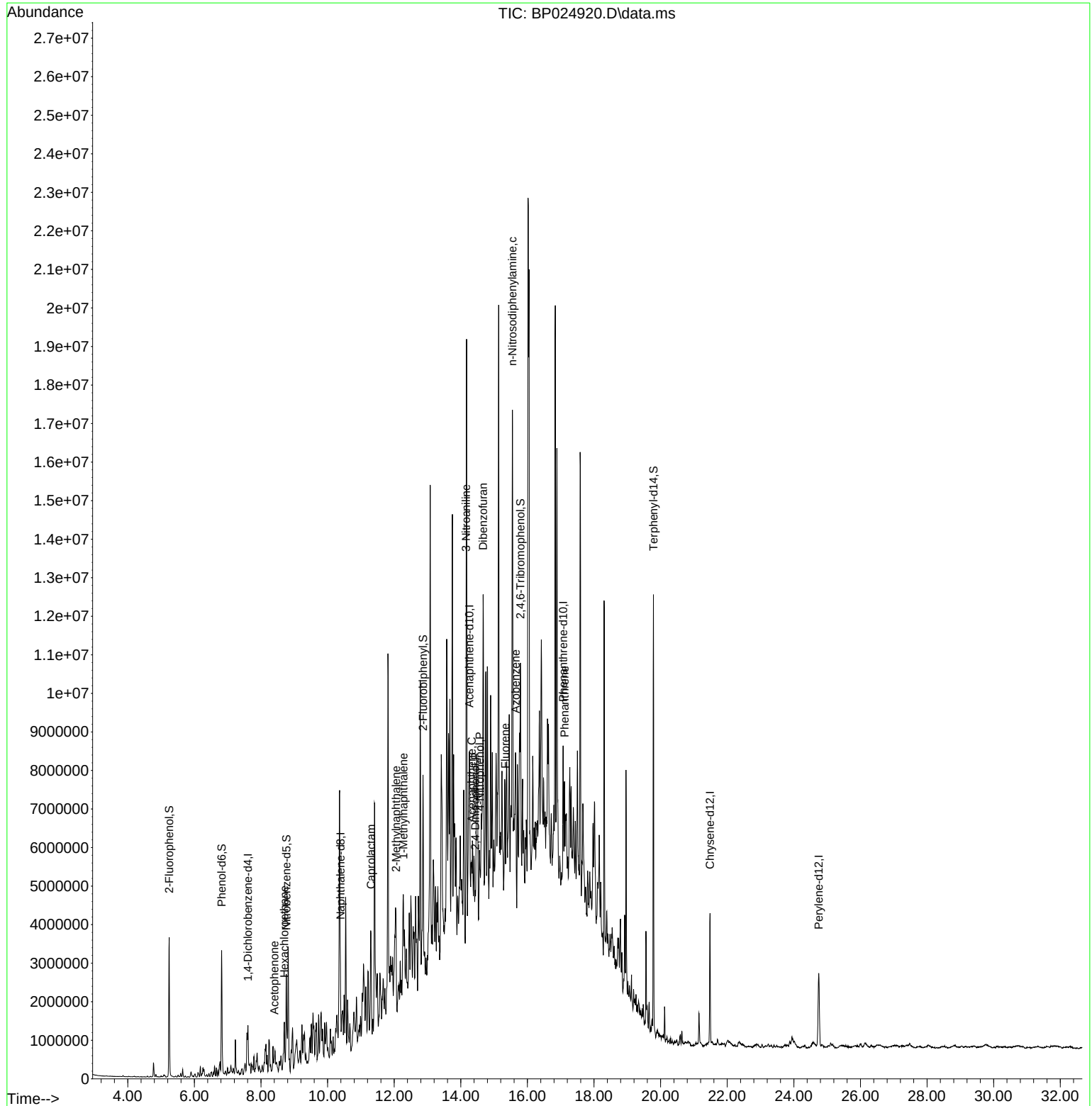
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

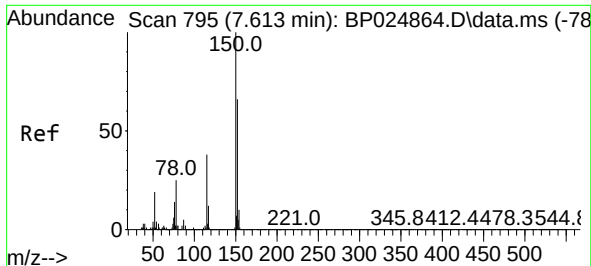
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	364655	20.000	ng	0.00
21) Naphthalene-d8	10.384	136	1419199	20.000	ng	# 0.00
39) Acenaphthene-d10	14.260	164	870320	20.000	ng	0.01
64) Phenanthrene-d10	17.072	188	1663800	20.000	ng	0.01
76) Chrysene-d12	21.483	240	1827902	20.000	ng	0.00
86) Perylene-d12	24.748	264	2099388	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1639212	75.035	ng	0.00
7) Phenol-d6	6.819	99	2103172	72.763	ng	0.00
23) Nitrobenzene-d5	8.760	82	1347731	46.146	ng	0.00
42) 2,4,6-Tribromophenol	15.790	330	1034898	86.008	ng	0.00
45) 2-Fluorobiphenyl	12.866	172	3043416	47.107	ng	0.00
79) Terphenyl-d14	19.783	244	4948879	48.523	ng	-0.01
Target Compounds						
						Qvalue
18) Hexachloroethane	8.702	117	63806	6.080	ng	# 1
22) Acetophenone	8.402	105	165199	4.607	ng	# 57
35) Caprolactam	11.302	113	33952	4.387	ng	# 1
37) 2-Methylnaphthalene	12.054	142	1047674	22.710	ng	98
38) 1-Methylnaphthalene	12.278	142	1126527	22.840	ng	100
52) Acenaphthene	14.325	154	166671	3.589	ng	# 85
53) 3-Nitroaniline	14.160	138	42925	2.989	ng	# 31
54) 2,4-Dinitrophenol	14.437	184	1924	5.762	ng	# 1
55) Dibenzofuran	14.672	168	245396	3.292	ng	# 1
56) 4-Nitrophenol	14.566	139	50986	9.319	ng	# 25
58) Fluorene	15.331	166	369339	6.132	ng	# 85
63) Azobenzene	15.648	77	191546	3.264	ng	# 1
66) n-Nitrosodiphenylamine	15.548	169	1172164	22.730	ng	# 49
71) Phenanthrene	17.113	178	1265783	13.767	ng	# 95

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024920.D
Acq On : 11 Jun 2025 20:30
Operator : RC/JU
Sample : Q2125-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

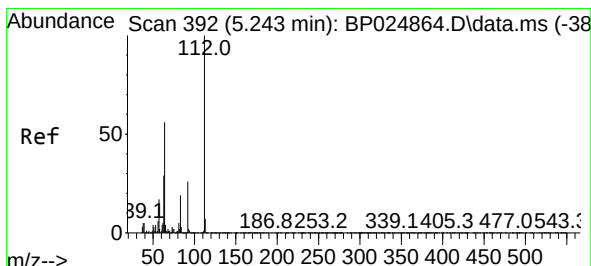
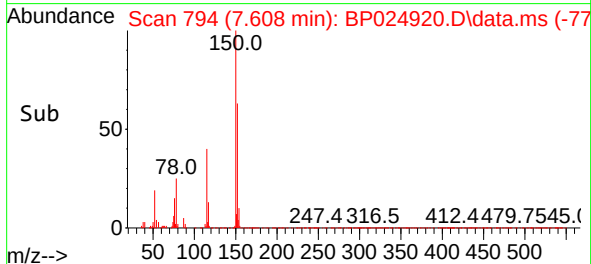
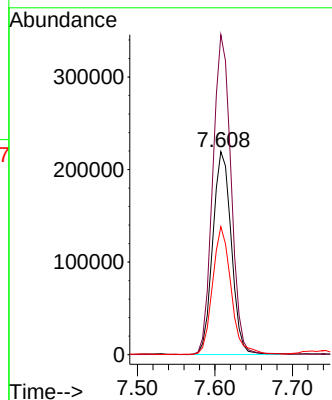
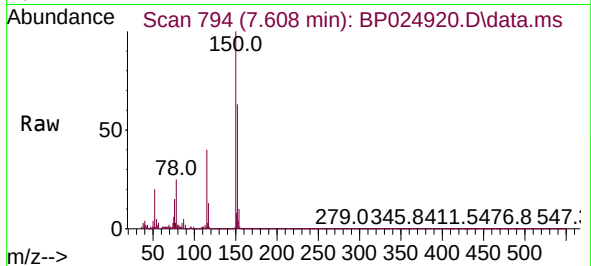
Quant Time: Jun 12 01:59:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
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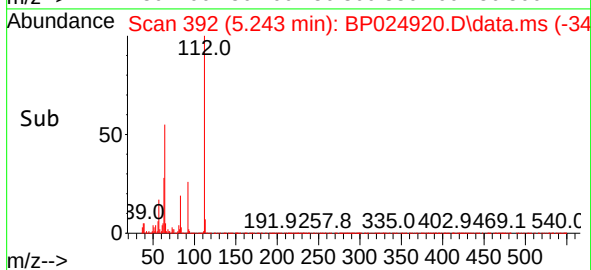
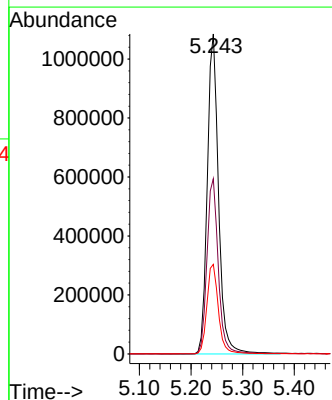
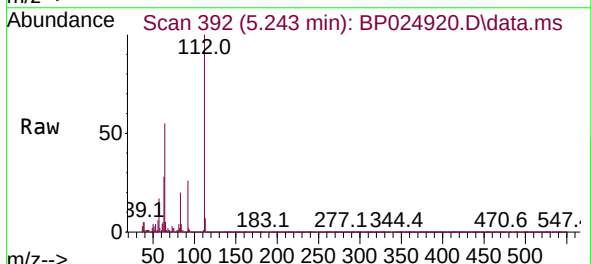
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 794
Delta R.T. -0.005 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

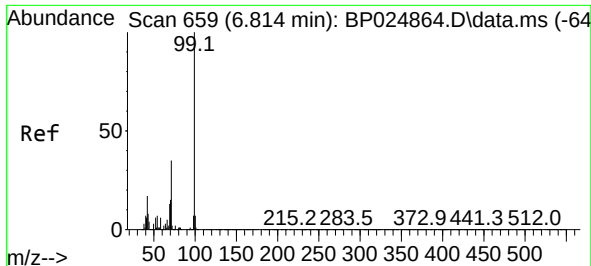
Tgt Ion:152 Resp: 364655
Ion Ratio Lower Upper
152 100
150 157.7 122.1 183.1
115 63.0 46.4 69.6



#5
2-Fluorophenol
Concen: 75.035 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

Tgt Ion:112 Resp: 1639212
Ion Ratio Lower Upper
112 100
64 54.7 44.7 67.1
63 28.0 23.5 35.3

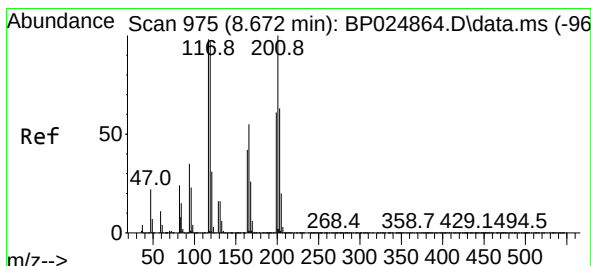
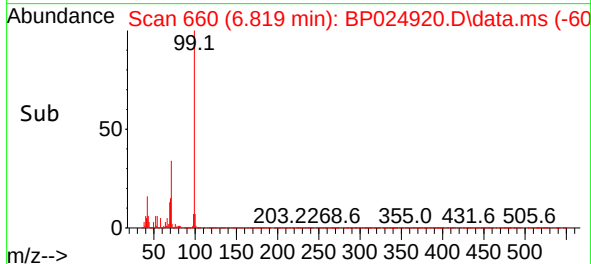
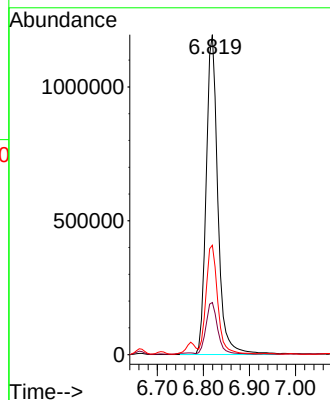
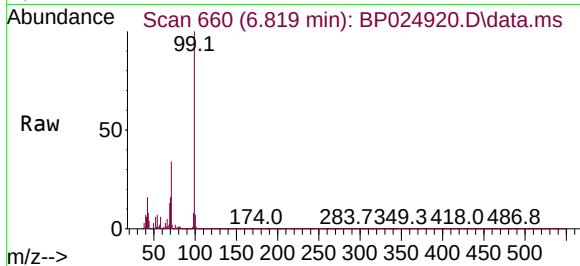




#7
Phenol-d6
Concen: 72.763 ng
RT: 6.819 min Scan# 660
Delta R.T. 0.006 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

Tgt Ion: 99 Resp: 2103172

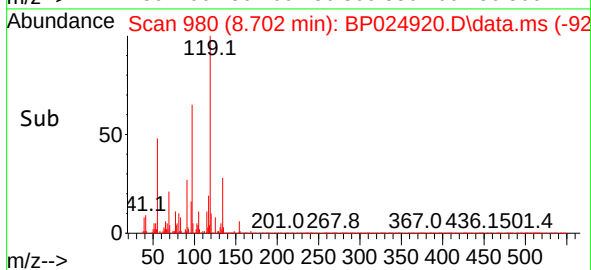
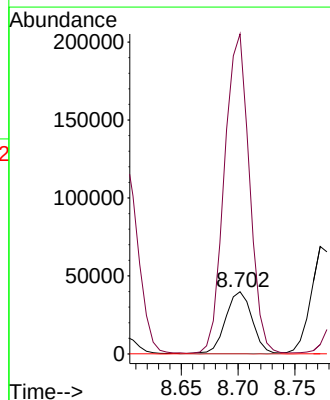
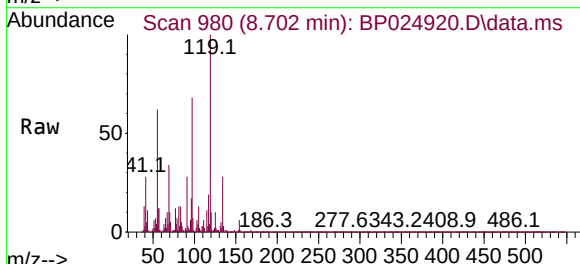
Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.4	20.2
71	34.2	27.6	41.4

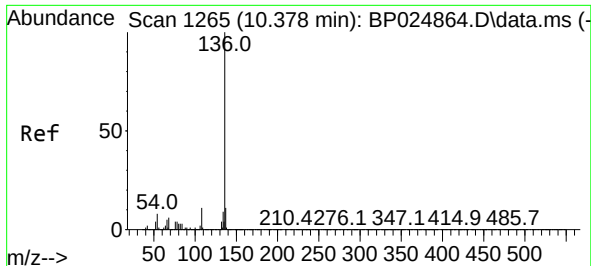


#18
Hexachloroethane
Concen: 6.080 ng
RT: 8.702 min Scan# 980
Delta R.T. 0.029 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

Tgt Ion: 117 Resp: 63806

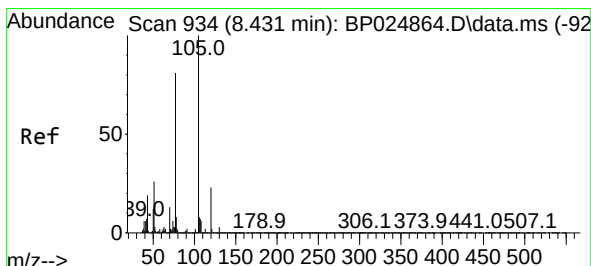
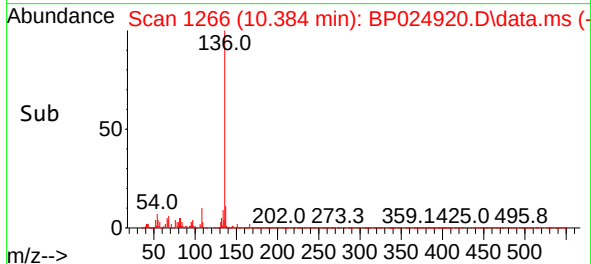
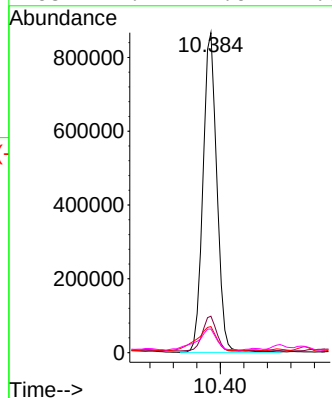
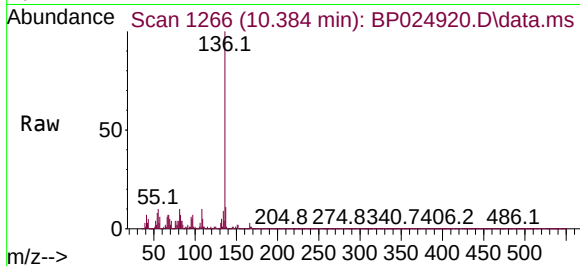
Ion	Ratio	Lower	Upper
117	100		
119	515.2	79.4	119.2#
201	0.1	81.4	122.2#





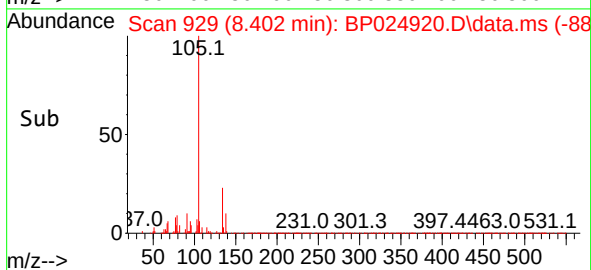
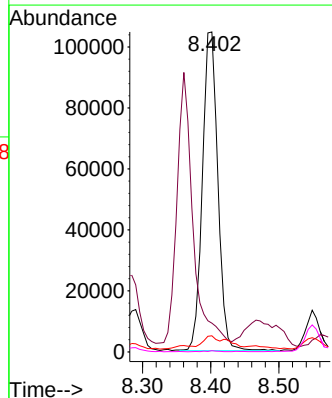
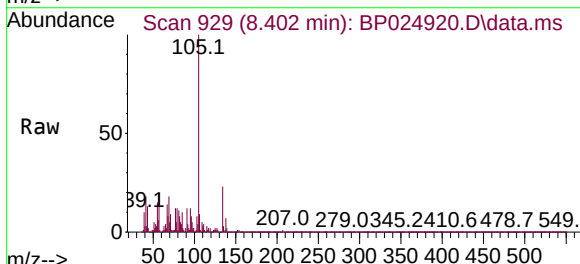
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

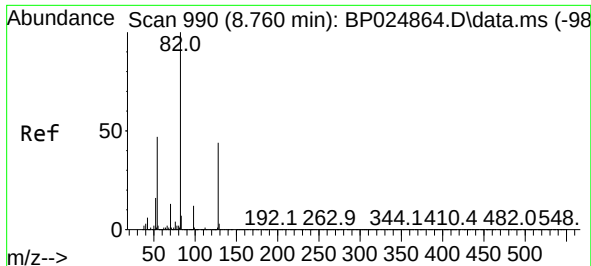
Tgt Ion:	136	Resp:	1419199
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	8.1	6.1	9.1
68	7.4	4.6	7.0#



#22
Acetophenone
Concen: 4.607 ng
RT: 8.402 min Scan# 929
Delta R.T. -0.029 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

Tgt Ion:	105	Resp:	165199
Ion	Ratio	Lower	Upper
105	100		
71	9.0	1.6	2.4#
51	5.0	20.6	31.0#
120	0.4	18.2	27.4#

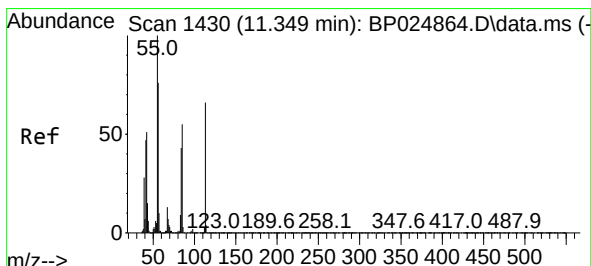
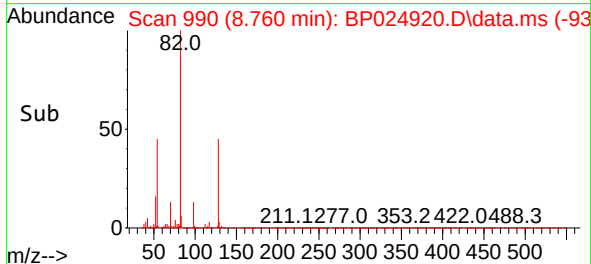
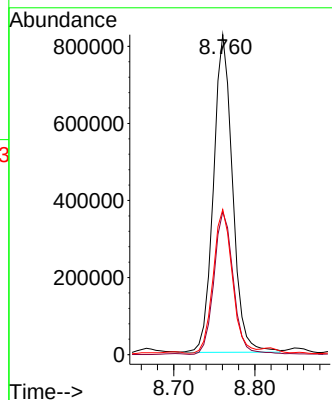
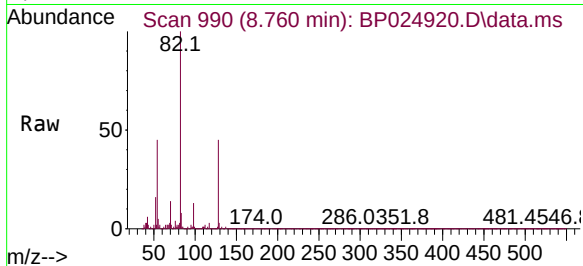




#23
Nitrobenzene-d5
Concen: 46.146 ng
RT: 8.760 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

Tgt Ion: 82 Resp: 1347731

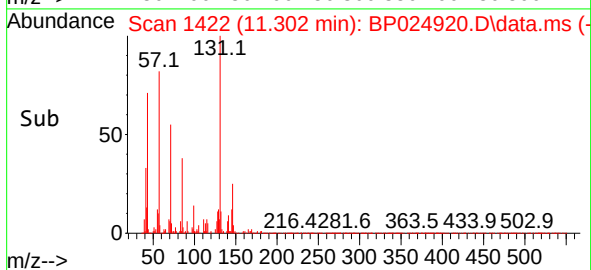
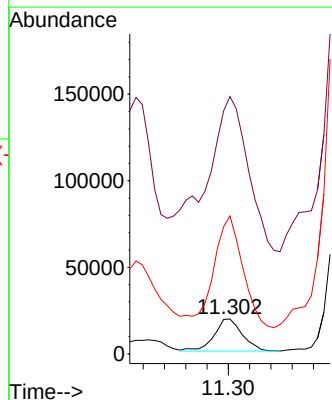
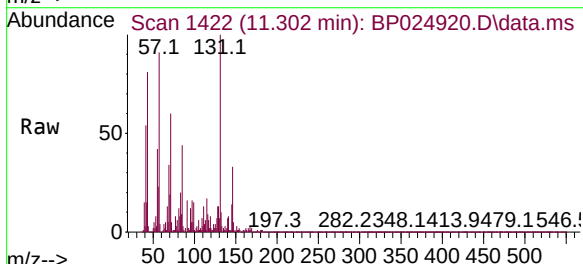
Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.3	52.9
54	45.3	37.4	56.0

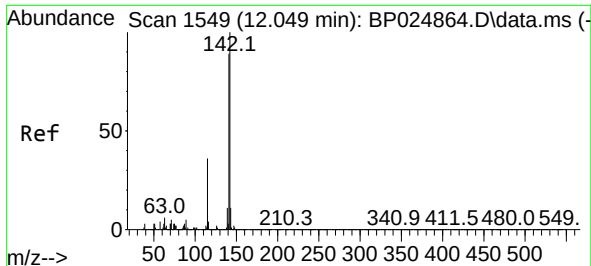


#35
Caprolactam
Concen: 4.387 ng
RT: 11.302 min Scan# 1422
Delta R.T. -0.047 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

Tgt Ion: 113 Resp: 33952

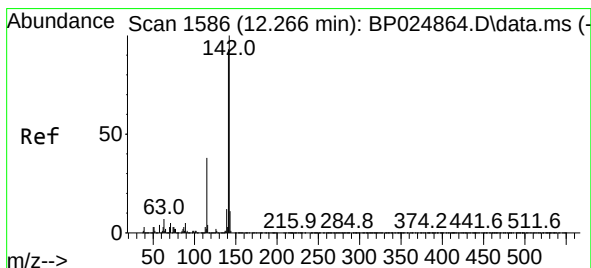
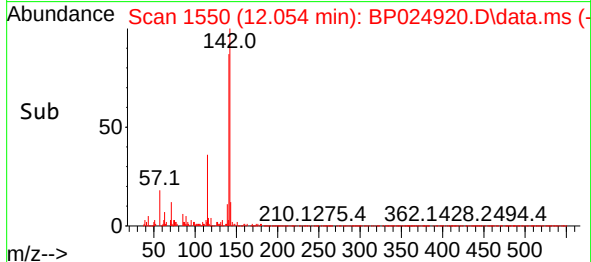
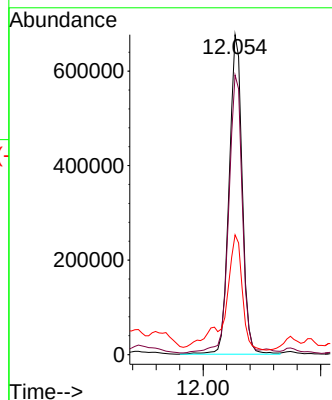
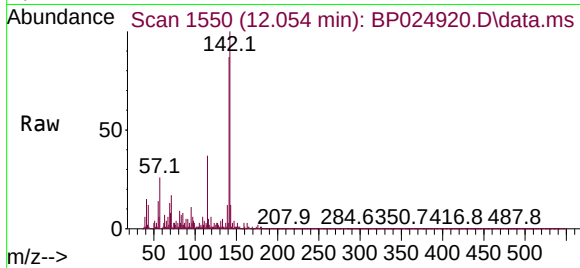
Ion	Ratio	Lower	Upper
113	100		
55	738.9	132.5	172.5#
56	395.6	96.0	136.0#





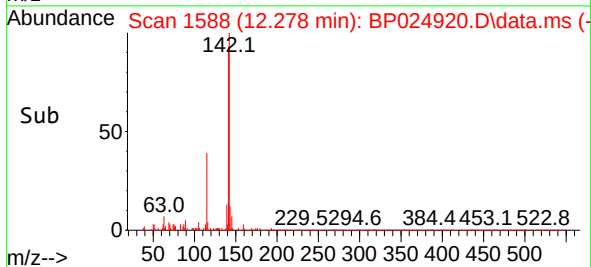
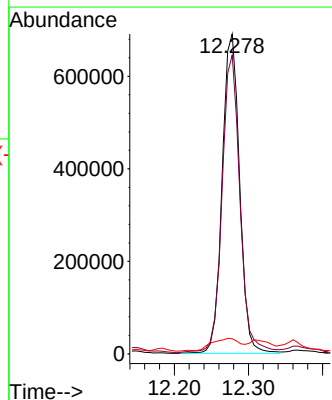
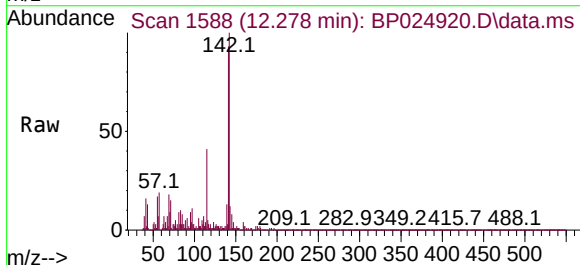
#37
2-Methylnaphthalene
Concen: 22.710 ng
RT: 12.054 min Scan# 1550
Delta R.T. 0.006 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

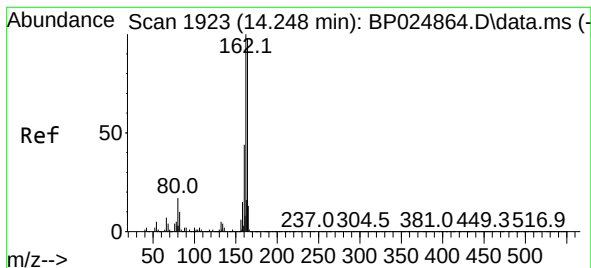
Tgt Ion:142 Resp: 1047674
Ion Ratio Lower Upper
142 100
141 87.4 71.2 106.8
115 37.4 28.5 42.7



#38
1-Methylnaphthalene
Concen: 22.840 ng
RT: 12.278 min Scan# 1588
Delta R.T. 0.012 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

Tgt Ion:142 Resp: 1126527
Ion Ratio Lower Upper
142 100
141 93.4 74.7 112.1
116 4.7 3.4 5.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.260 min Scan# 1925

Delta R.T. 0.012 min

Lab File: BP024920.D

Acq: 11 Jun 2025 20:30

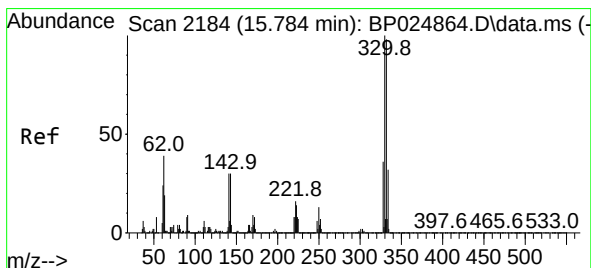
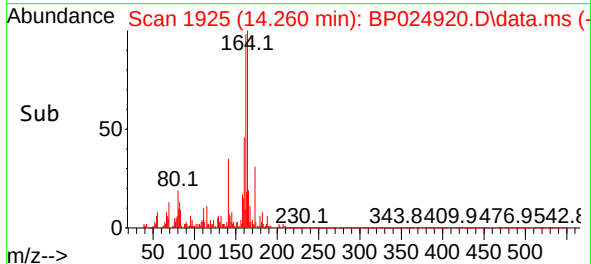
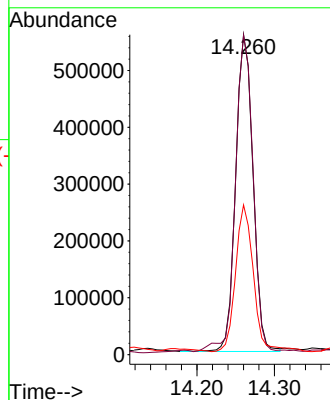
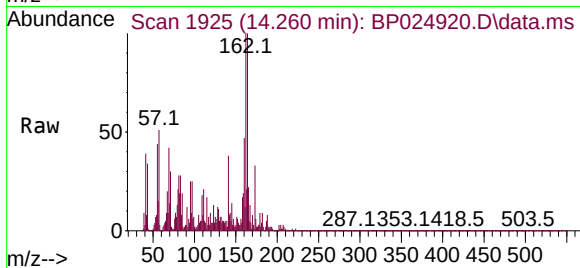
Tgt Ion:164 Resp: 870320

Ion Ratio Lower Upper

164 100

162 99.9 81.6 122.4

160 46.8 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 86.008 ng

RT: 15.790 min Scan# 2185

Delta R.T. 0.006 min

Lab File: BP024920.D

Acq: 11 Jun 2025 20:30

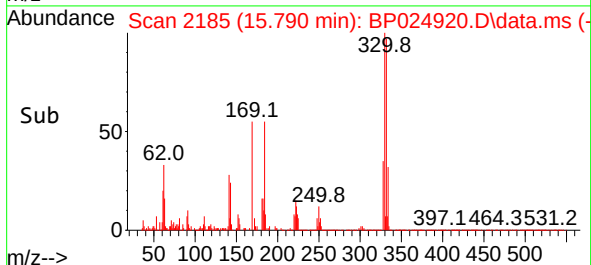
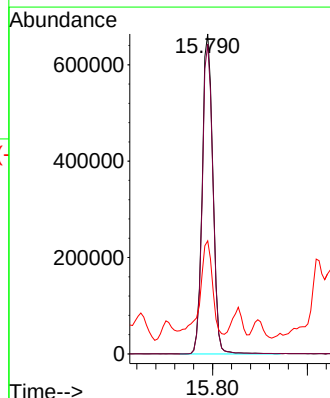
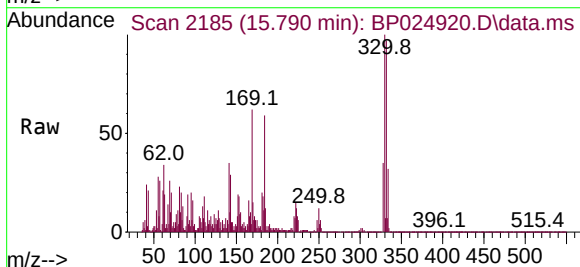
Tgt Ion:330 Resp: 1034898

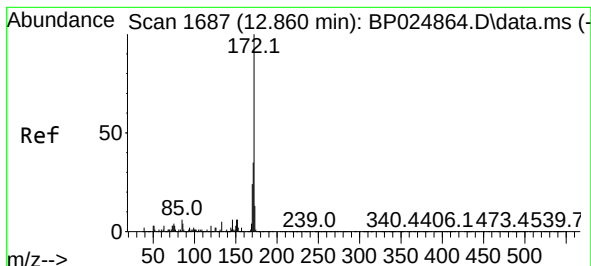
Ion Ratio Lower Upper

330 100

332 96.7 77.7 116.5

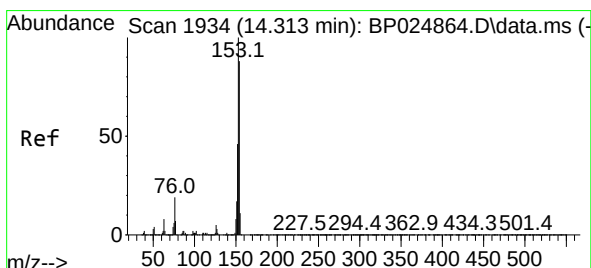
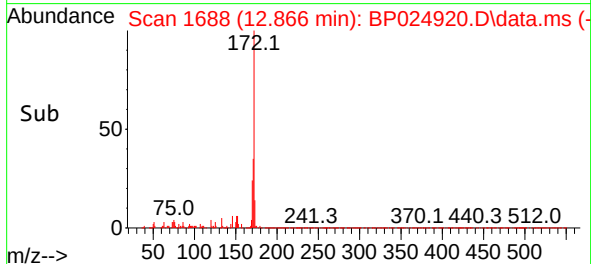
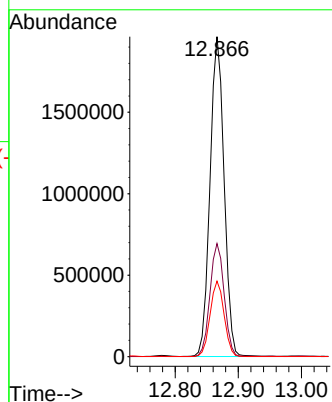
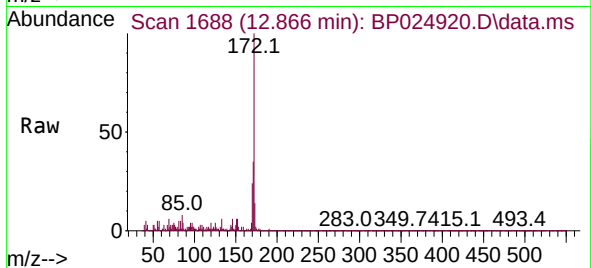
141 33.1 26.4 39.6





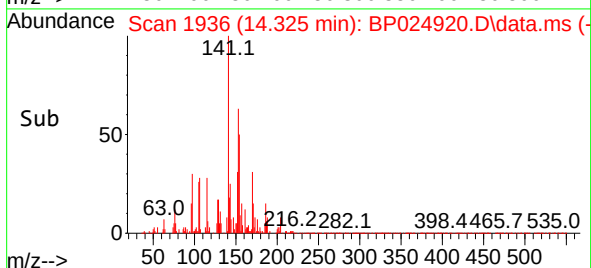
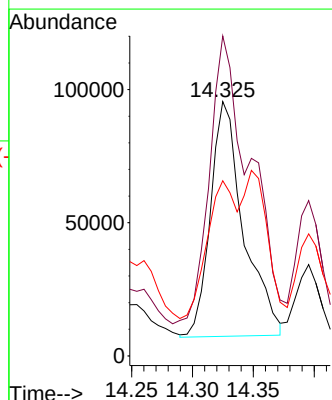
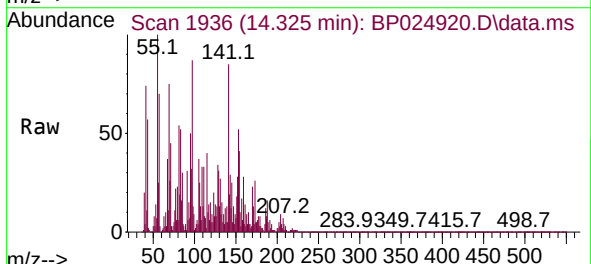
#45
2-Fluorobiphenyl
Concen: 47.107 ng
RT: 12.866 min Scan# 1688
Delta R.T. 0.006 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

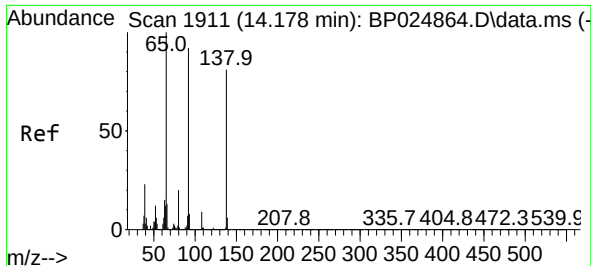
Tgt Ion:172 Resp: 3043416
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.6 19.0 28.4



#52
Acenaphthene
Concen: 3.589 ng
RT: 14.325 min Scan# 1936
Delta R.T. 0.012 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

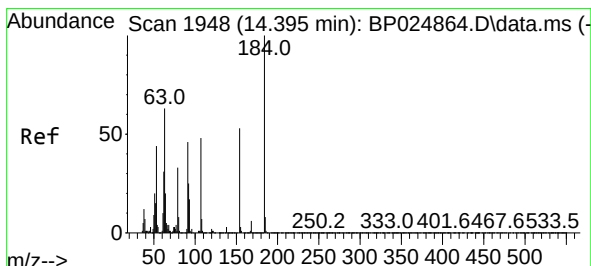
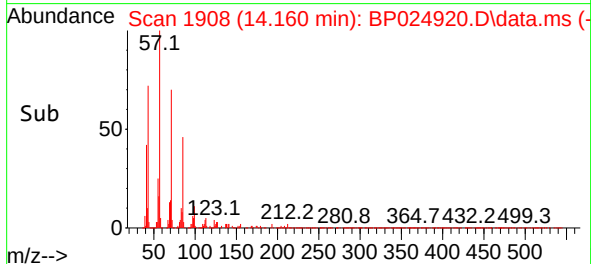
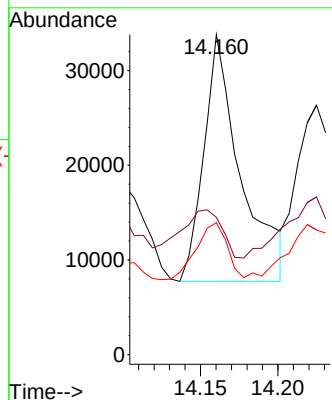
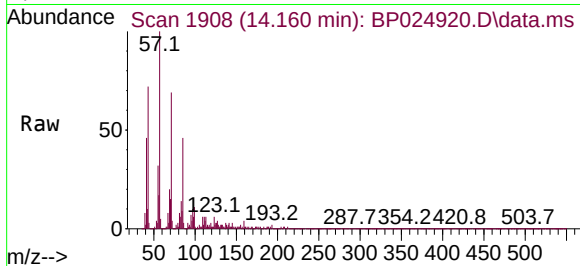
Tgt Ion:154 Resp: 166671
Ion Ratio Lower Upper
154 100
153 125.9 90.5 135.7
152 68.9 42.1 63.1#





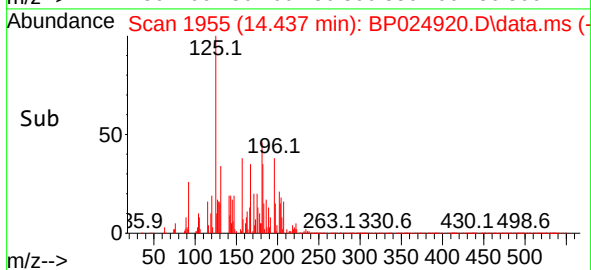
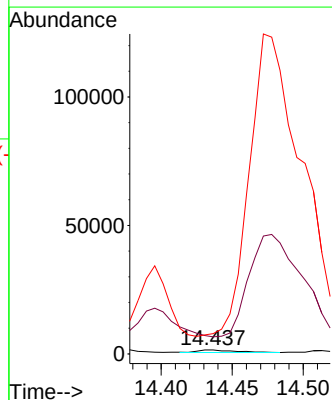
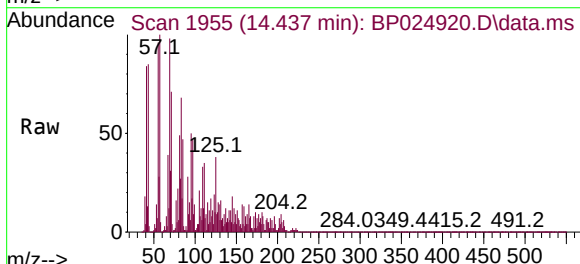
#53
3-Nitroaniline
Concen: 2.989 ng
RT: 14.160 min Scan# 1908
Delta R.T. -0.018 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

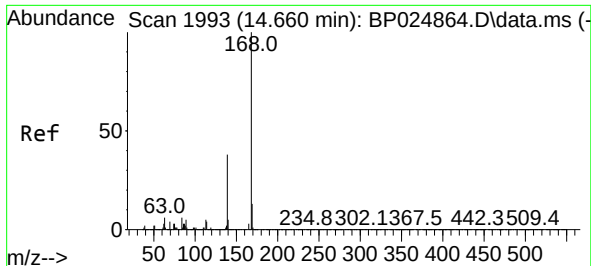
Tgt Ion:138 Resp: 42925
Ion Ratio Lower Upper
138 100
108 42.9 8.6 12.8#
92 41.2 91.3 136.9#



#54
2,4-Dinitrophenol
Concen: 5.762 ng
RT: 14.437 min Scan# 1955
Delta R.T. 0.042 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

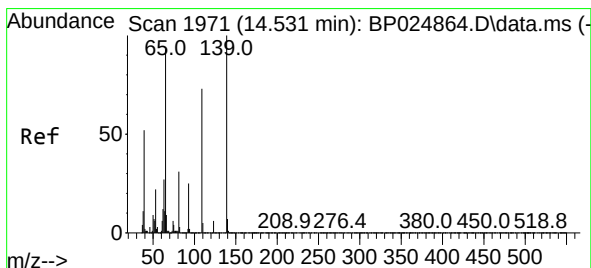
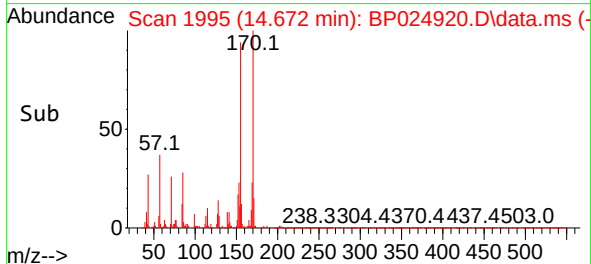
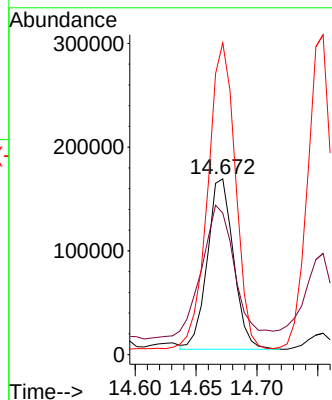
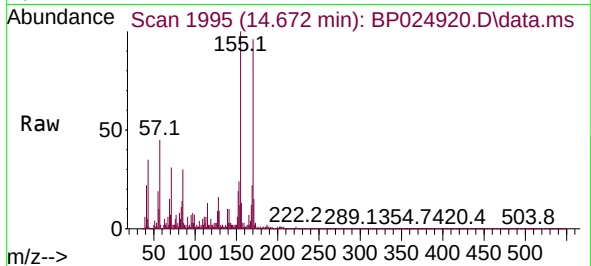
Tgt Ion:184 Resp: 1924
Ion Ratio Lower Upper
184 100
63 429.1 51.0 76.4#
154 509.1 51.7 77.5#





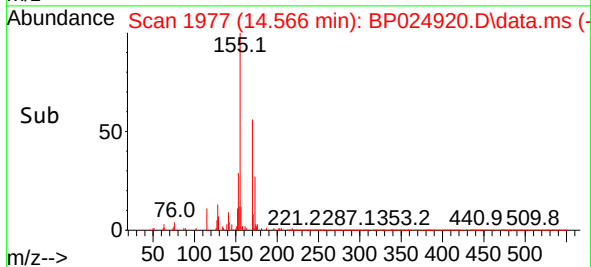
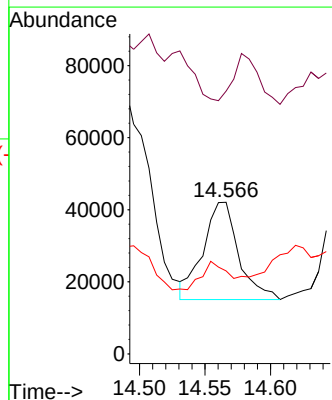
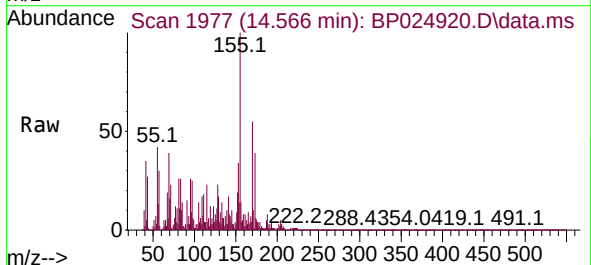
#55
Dibenzenofuran
Concen: 3.292 ng
RT: 14.672 min Scan# 1995
Delta R.T. 0.012 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

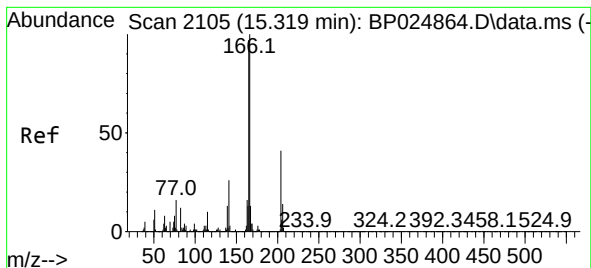
Tgt Ion:168 Resp: 245396
Ion Ratio Lower Upper
168 100
139 80.5 31.6 47.4#
169 177.3 10.6 15.8#



#56
4-Nitrophenol
Concen: 9.319 ng
RT: 14.566 min Scan# 1977
Delta R.T. 0.035 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

Tgt Ion:139 Resp: 50986
Ion Ratio Lower Upper
139 100
109 173.3 53.1 93.1#
65 54.7 73.0 113.0#





#58

Fluorene

Concen: 6.132 ng

RT: 15.331 min Scan# 2107

Delta R.T. 0.012 min

Lab File: BP024920.D

Acq: 11 Jun 2025 20:30

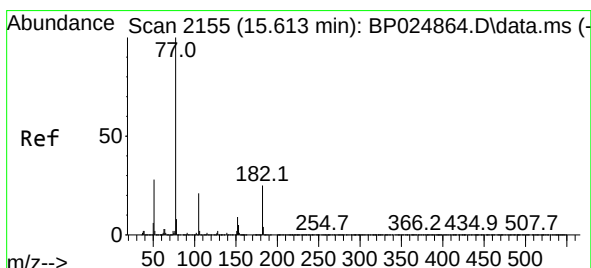
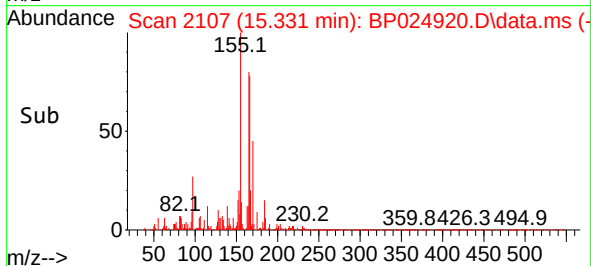
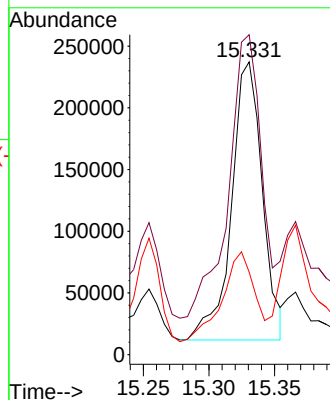
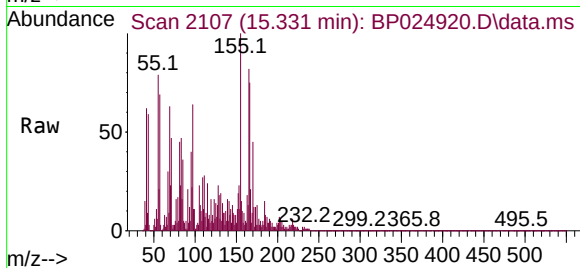
Tgt Ion:166 Resp: 369339

Ion Ratio Lower Upper

166 100

165 109.3 77.7 116.5

167 28.2 10.6 16.0#



#63

Azobenzene

Concen: 3.264 ng

RT: 15.648 min Scan# 2161

Delta R.T. 0.035 min

Lab File: BP024920.D

Acq: 11 Jun 2025 20:30

Tgt Ion: 77 Resp: 191546

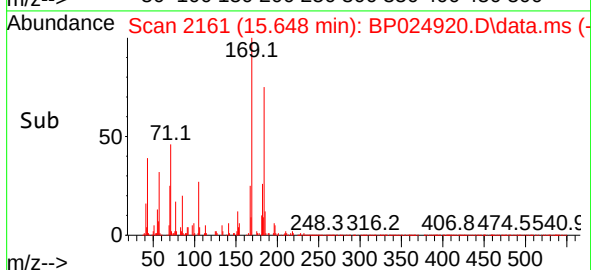
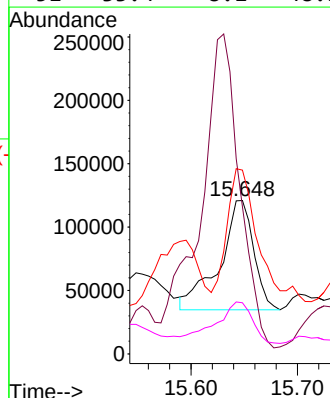
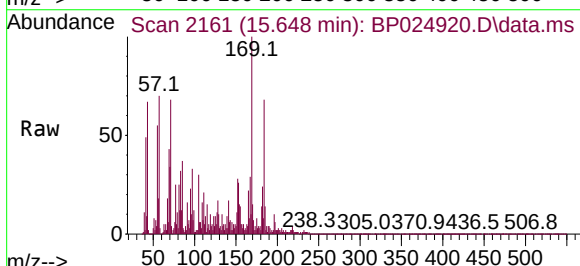
Ion Ratio Lower Upper

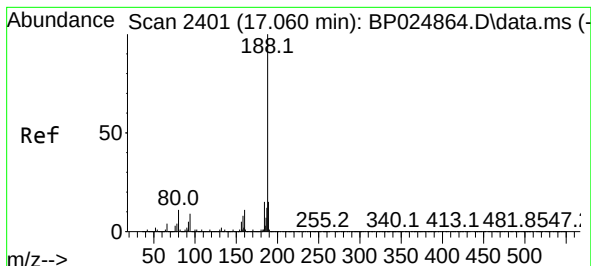
77 100

182 95.8 5.4 45.4#

105 119.8 0.8 40.8#

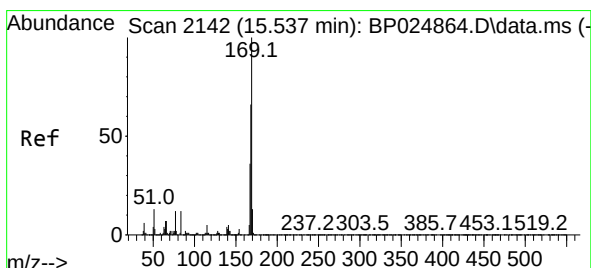
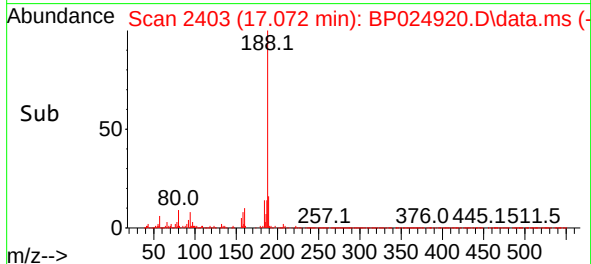
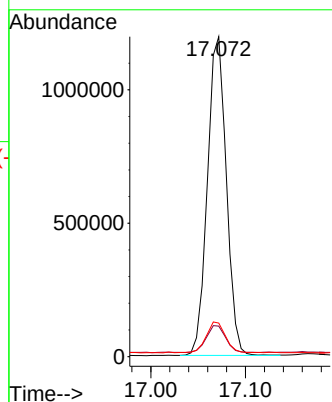
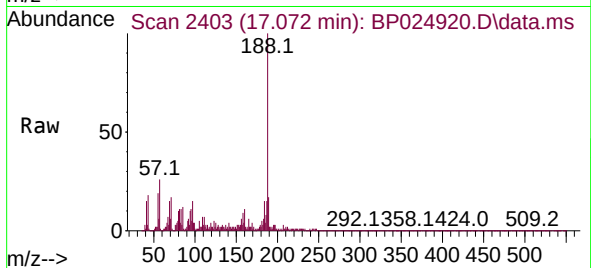
51 33.4 8.1 48.1





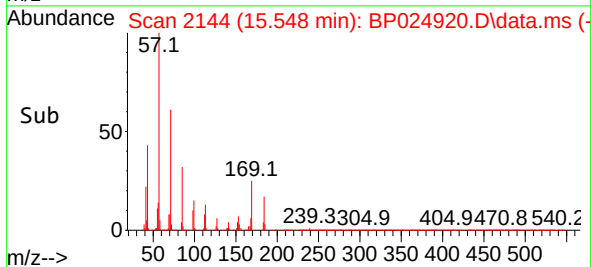
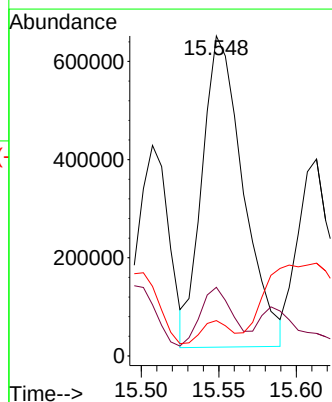
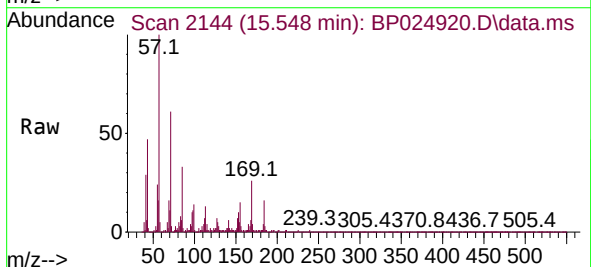
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.072 min Scan# 2403
Delta R.T. 0.012 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

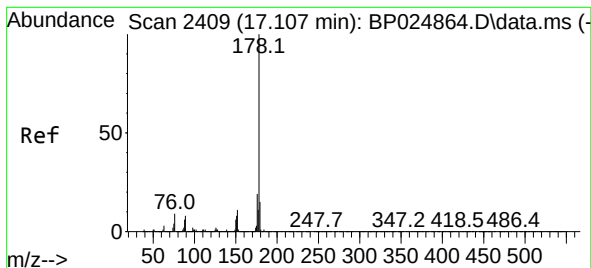
Tgt Ion:188 Resp: 1663800
Ion Ratio Lower Upper
188 100
94 9.5 7.3 10.9
80 10.5 8.5 12.7



#66
n-Nitrosodiphenylamine
Concen: 22.730 ng
RT: 15.548 min Scan# 2144
Delta R.T. 0.012 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

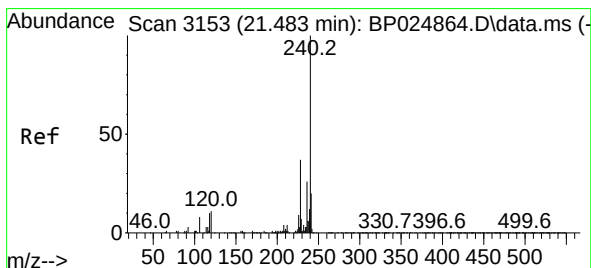
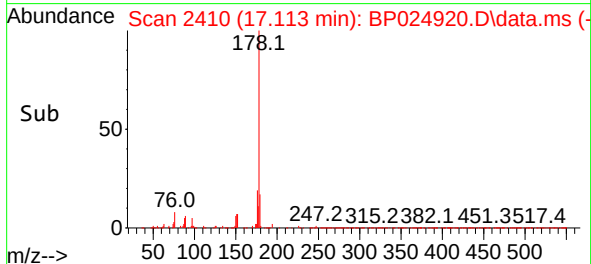
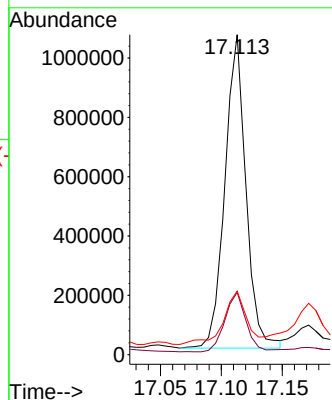
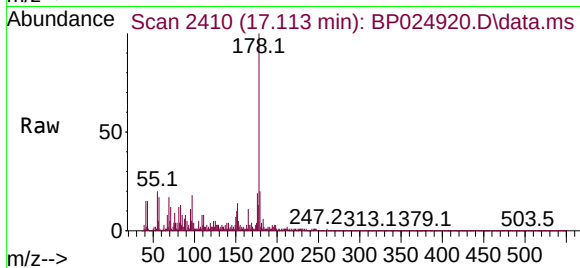
Tgt Ion:169 Resp: 1172164
Ion Ratio Lower Upper
169 100
168 21.4 53.0 79.6#
167 11.0 28.6 43.0#





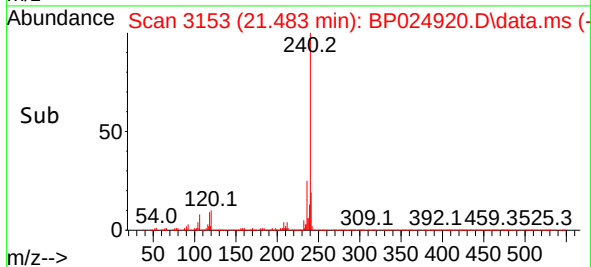
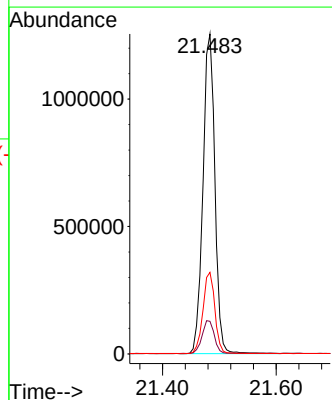
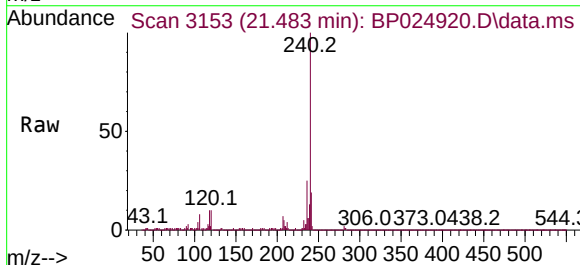
#71
Phenanthrene
Concen: 13.767 ng
RT: 17.113 min Scan# 2410
Delta R.T. 0.006 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

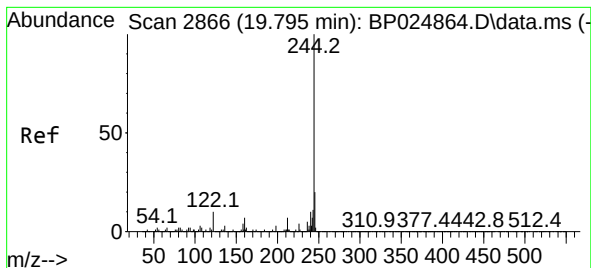
Tgt Ion:178 Resp: 1265783
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 19.8 12.1 18.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.483 min Scan# 3153
Delta R.T. -0.000 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

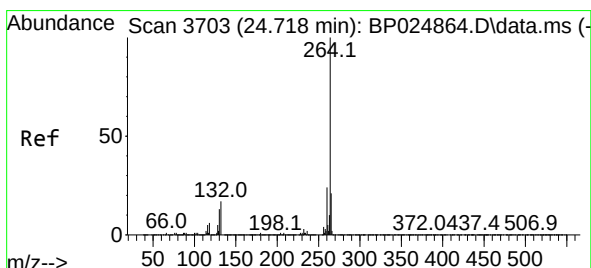
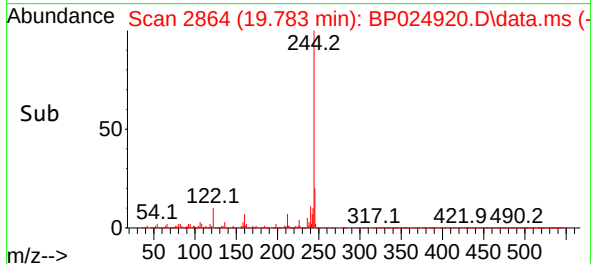
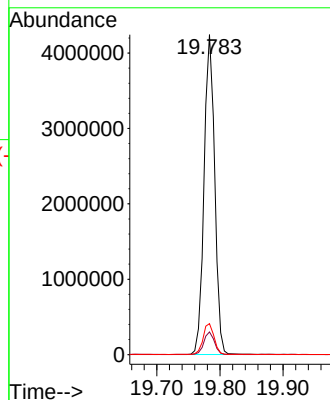
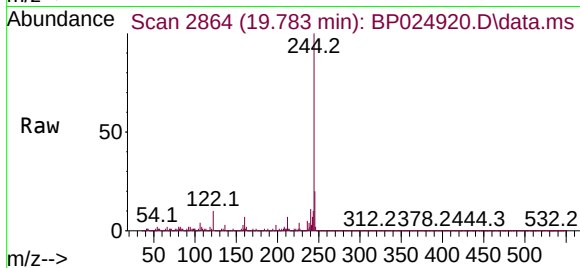
Tgt Ion:240 Resp: 1827902
Ion Ratio Lower Upper
240 100
120 10.2 8.9 13.3
236 25.5 20.9 31.3





#79
Terphenyl-d14
Concen: 48.523 ng
RT: 19.783 min Scan# 2864
Delta R.T. -0.012 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

Tgt Ion:244 Resp: 4948879
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 9.7 7.7 11.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.748 min Scan# 3708
Delta R.T. 0.029 min
Lab File: BP024920.D
Acq: 11 Jun 2025 20:30

Tgt Ion:264 Resp: 2099388
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.4
265 22.2 17.4 26.0

