

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
 Data File : BP025591.D
 Acq On : 26 Aug 2025 18:41
 Operator : CG/JU
 Sample : Q2936-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-19B-082125

Quant Time: Aug 27 01:03:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

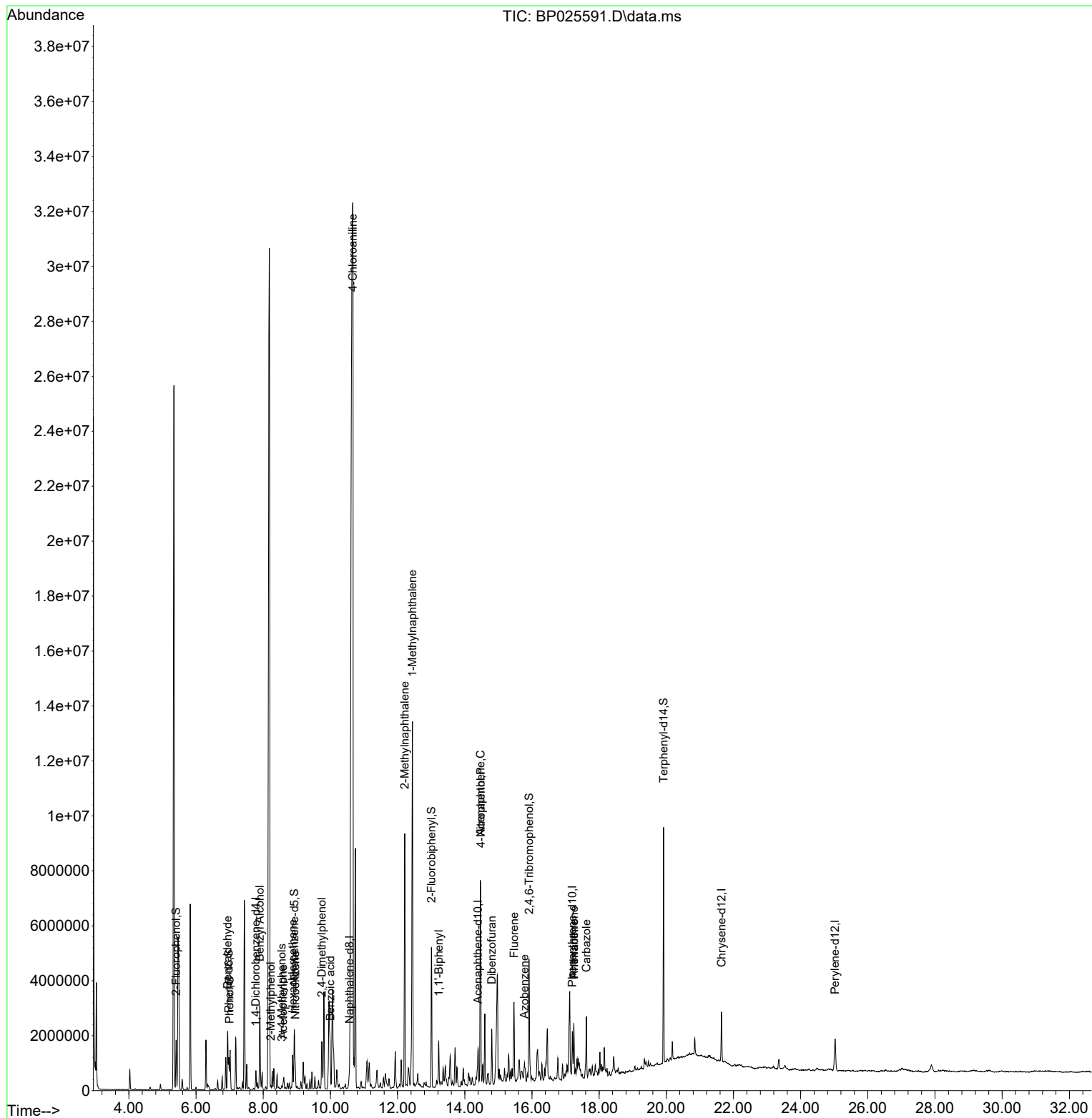
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	193167	20.000	ng	-0.02
21) Naphthalene-d8	10.566	136	711886	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	504940	20.000	ng	-0.01
64) Phenanthrene-d10	17.201	188	978534	20.000	ng	# 0.00
76) Chrysene-d12	21.642	240	1047856	20.000	ng	0.00
86) Perylene-d12	25.024	264	1242891	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	799105	68.701	ng	0.00
7) Phenol-d6	6.972	99	663269	44.477	ng	0.00
23) Nitrobenzene-d5	8.925	82	1183427	84.092	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	909718	133.850	ng	0.00
45) 2-Fluorobiphenyl	13.007	172	2732706	73.964	ng	-0.01
79) Terphenyl-d14	19.919	244	4359257	76.113	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.937	77	184260	17.636	ng	# 1
10) Phenol	6.996	94	269953	17.251	ng	97
15) Benzyl Alcohol	7.896	79	168543	14.224	ng	# 5
17) 2-Methylphenol	8.225	107	30286	2.787	ng	92
18) Hexachloroethane	8.878	117	90002	16.547	ng	# 1
20) 3+4-Methylphenols	8.549	107	67490	4.480	ng	96
22) Acetophenone	8.590	105	109203	6.117	ng	# 95
24) Nitrobenzene	8.955	77	27561	2.191	ng	# 7
27) 2,4-Dimethylphenol	9.743	122	674579	60.772	ng	98
32) Benzoic acid	10.002	122	62583	7.637	ng	# 39
33) 4-Chloroaniline	10.666	127	9822251	600.971	ng	# 36
37) 2-Methylnaphthalene	12.213	142	4152595	172.457	ng	98
38) 1-Methylnaphthalene	12.443	142	6717668	262.337	ng	99
46) 1,1'-Biphenyl	13.225	154	693183	18.902	ng	99
52) Acenaphthene	14.466	154	3134160	113.029	ng	99
55) Dibenzofuran	14.801	168	1256333	28.658	ng	99
56) 4-Nitrophenol	14.472	139	24944	3.462	ng	# 68
58) Fluorene	15.466	166	1247471	36.062	ng	100
63) Azobenzene	15.778	77	143289	4.454	ng	# 1
71) Phenanthrene	17.248	178	1153013	21.450	ng	100
72) Anthracene	17.248	178	1153013	21.004	ng	99
73) Carbazole	17.619	167	1069013	20.675	ng	99

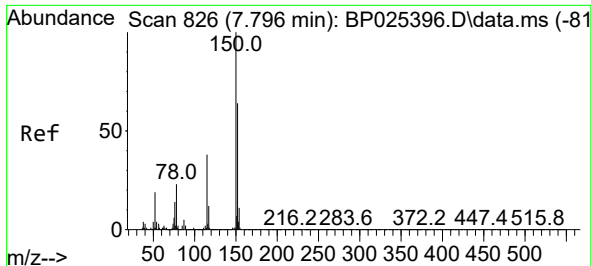
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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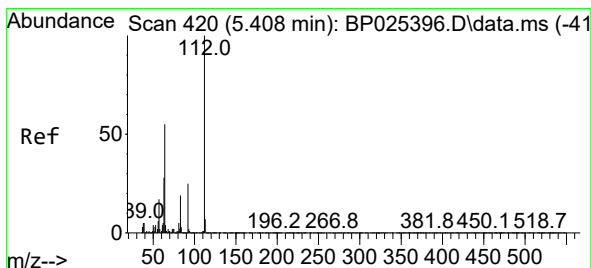
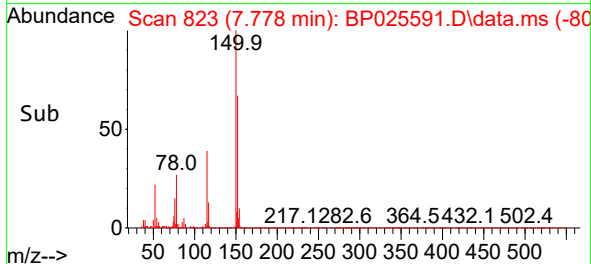
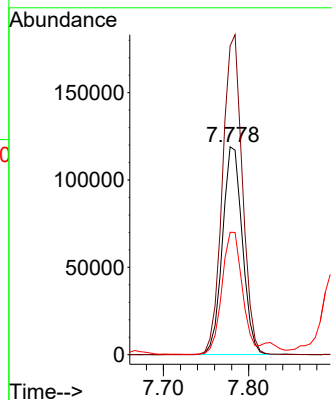
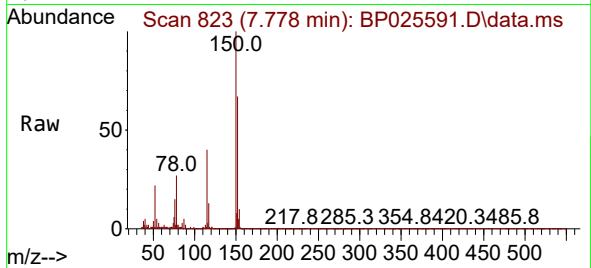




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

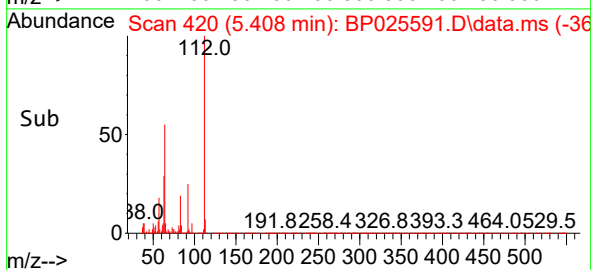
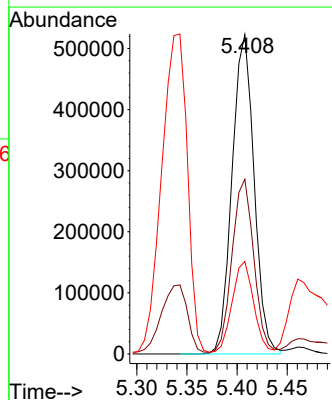
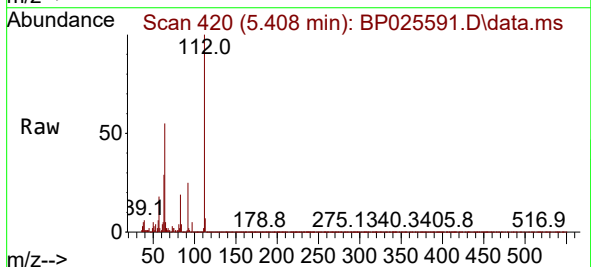
Instrument :
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ClientSampleId :
MW-19B-082125

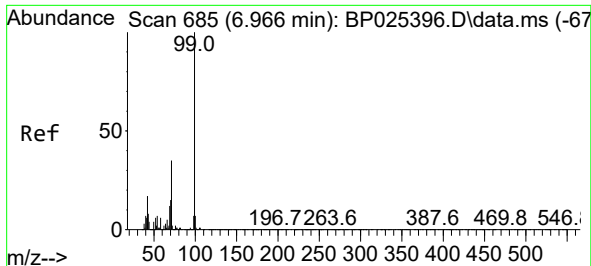
Tgt Ion:152 Resp: 193167
Ion Ratio Lower Upper
152 100
150 148.6 125.9 188.9
115 58.9 48.5 72.7



#5
2-Fluorophenol
Concen: 68.701 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

Tgt Ion:112 Resp: 799105
Ion Ratio Lower Upper
112 100
64 54.7 43.8 65.8
63 28.9 22.7 34.1

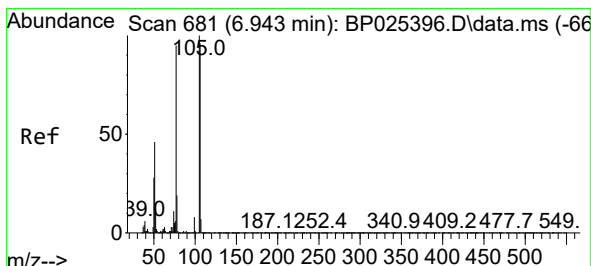
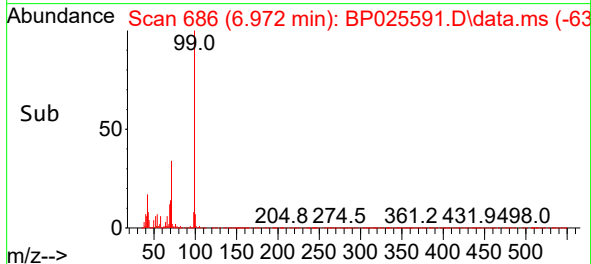
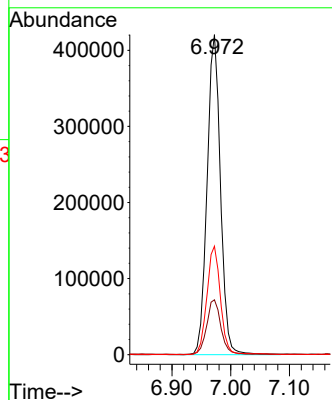
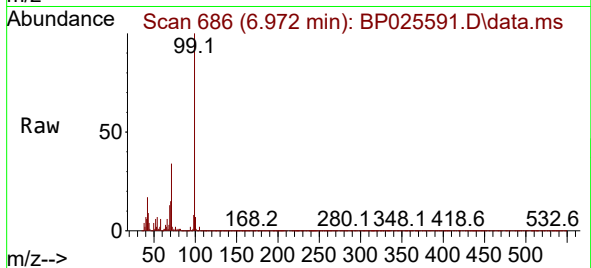




#7
Phenol-d6
Concen: 44.477 ng
RT: 6.972 min Scan# 686
Delta R.T. 0.006 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

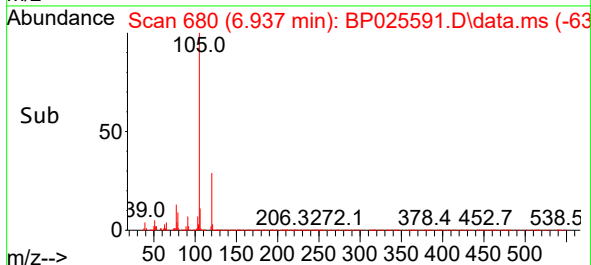
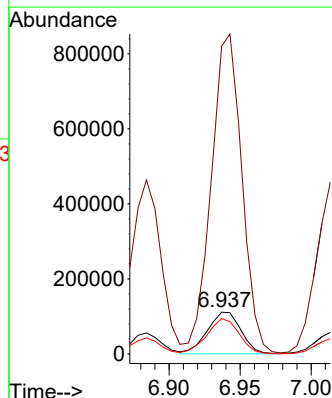
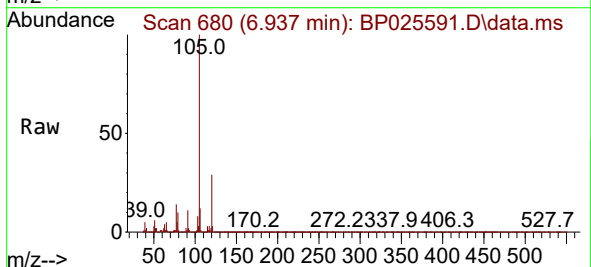
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ClientSampleId :
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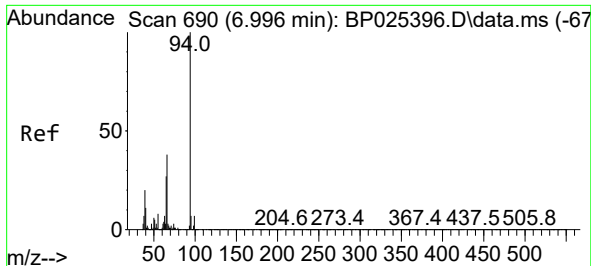
Tgt Ion: 99 Resp: 663269
Ion Ratio Lower Upper
99 100
42 17.2 13.7 20.5
71 33.9 28.2 42.4



#9
Benzaldehyde
Concen: 17.636 ng
RT: 6.937 min Scan# 680
Delta R.T. -0.006 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

Tgt Ion: 77 Resp: 184260
Ion Ratio Lower Upper
77 100
105 737.3 84.8 124.8#
106 84.8 80.5 120.5

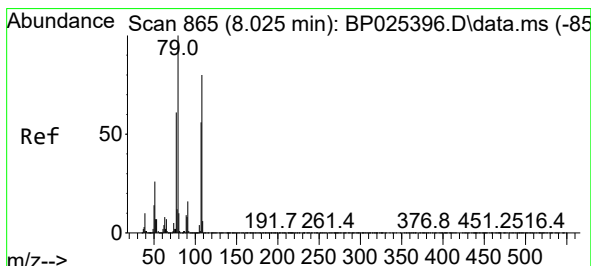
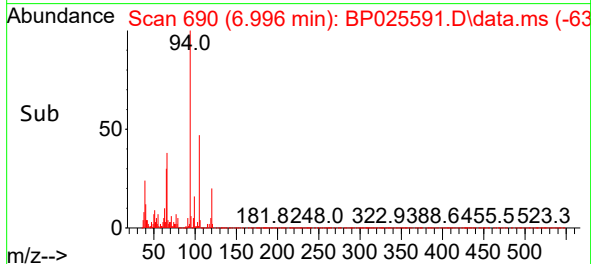
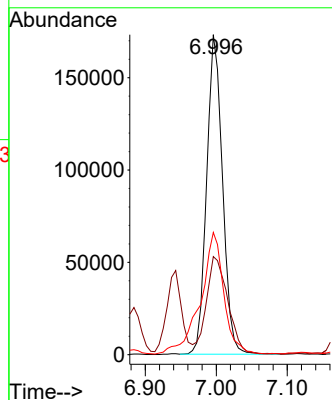
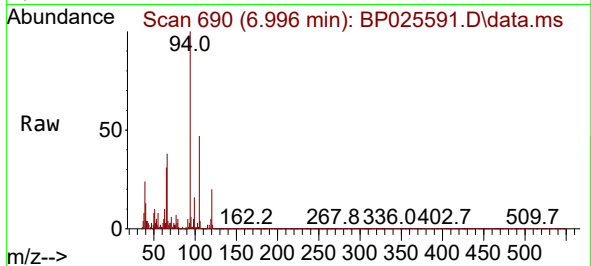




#10
Phenol
Concen: 17.251 ng
RT: 6.996 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

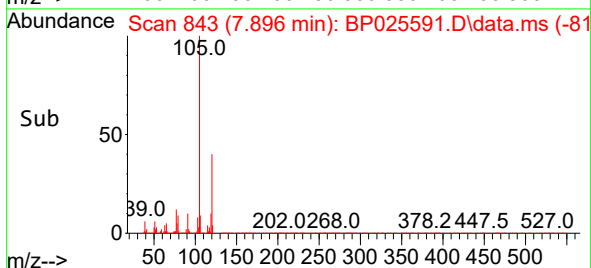
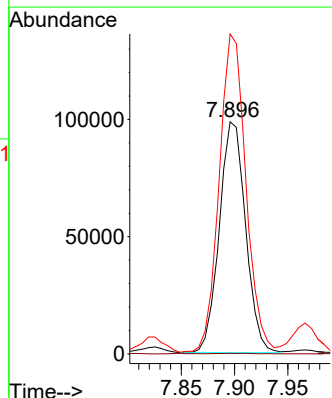
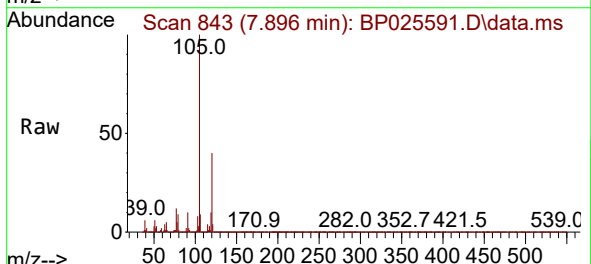
Instrument :
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ClientSampleId :
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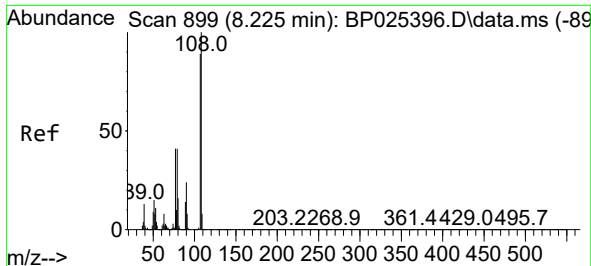
Tgt Ion:	94	Resp:	269953
Ion	Ratio	Lower	Upper
94	100		
65	30.6	6.8	46.8
66	38.2	18.2	58.2



#15
Benzyl Alcohol
Concen: 14.224 ng
RT: 7.896 min Scan# 843
Delta R.T. -0.129 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

Tgt Ion:	79	Resp:	168543
Ion	Ratio	Lower	Upper
79	100		
108	0.3	63.8	95.6#
77	137.8	49.0	73.4#

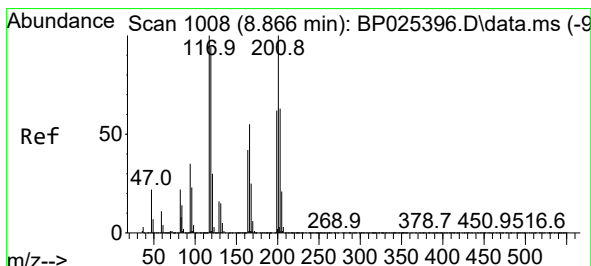
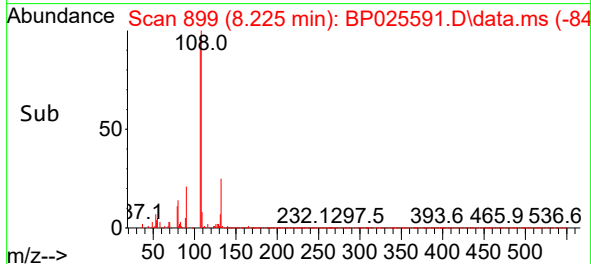
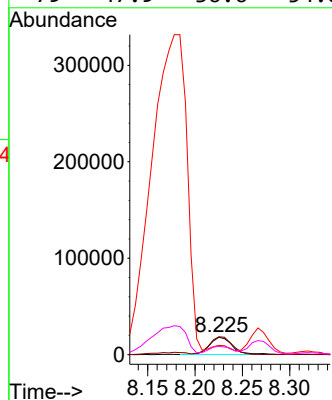
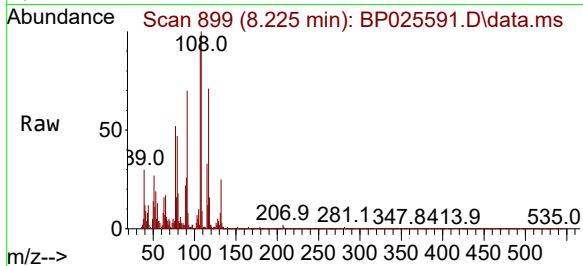




#17
2-Methylphenol
Concen: 2.787 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

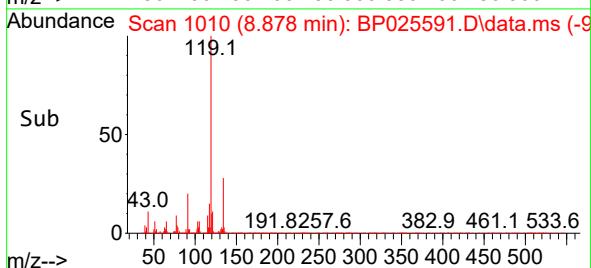
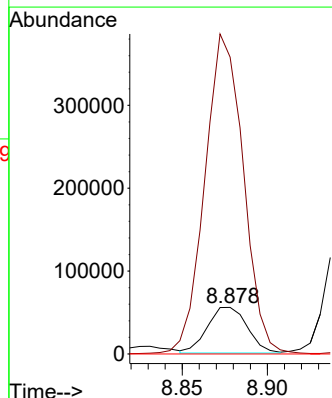
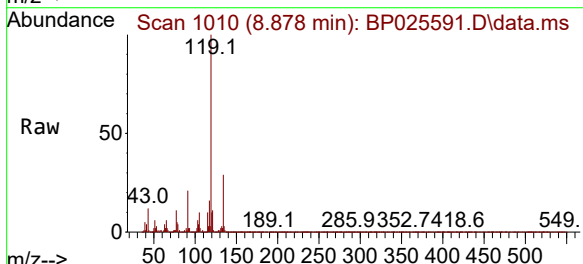
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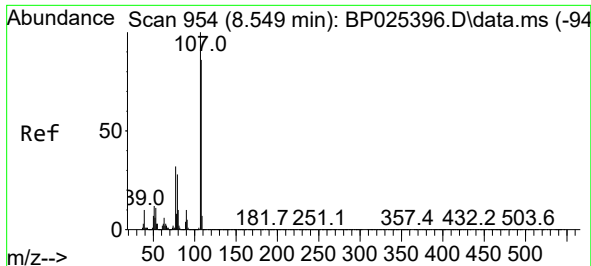
Tgt Ion:	107	Resp:	30286
Ion	Ratio	Lower	Upper
107	100		
108	102.3	89.4	134.0
77	53.4	36.3	54.5
79	47.9	36.6	54.8



#18
Hexachloroethane
Concen: 16.547 ng
RT: 8.878 min Scan# 1010
Delta R.T. 0.012 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

Tgt Ion:	117	Resp:	90002
Ion	Ratio	Lower	Upper
117	100		
119	637.6	75.1	112.7#
201	0.0	80.1	120.1#

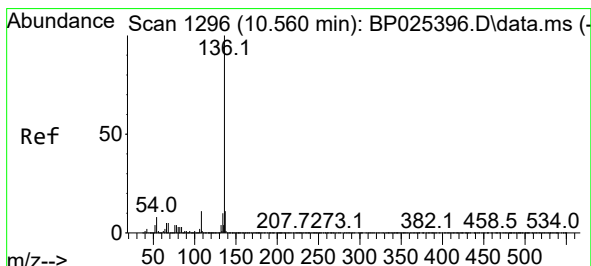
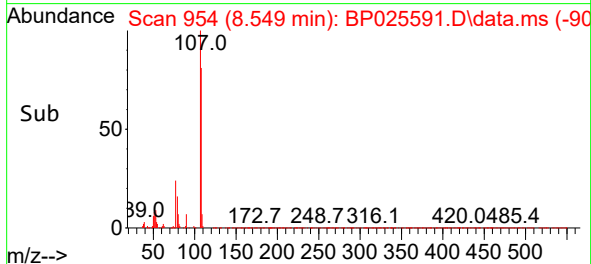
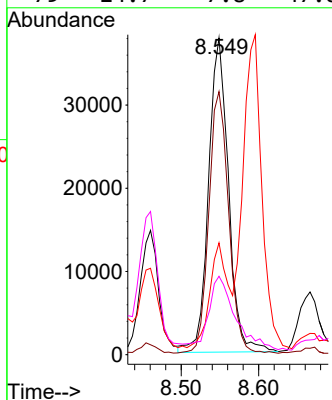
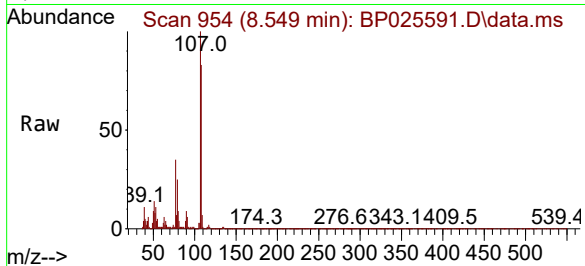




#20
3+4-Methylphenols
Concen: 4.480 ng
RT: 8.549 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

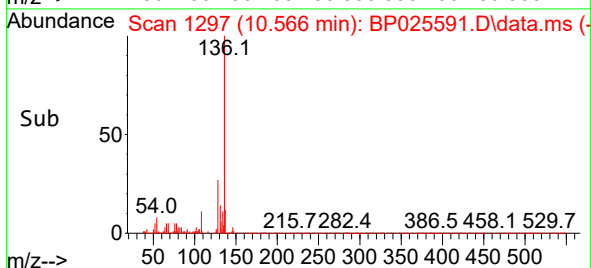
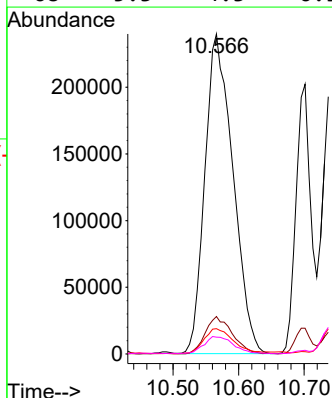
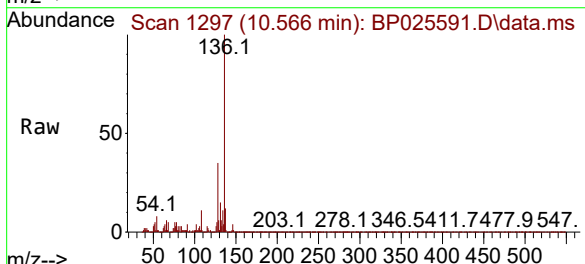
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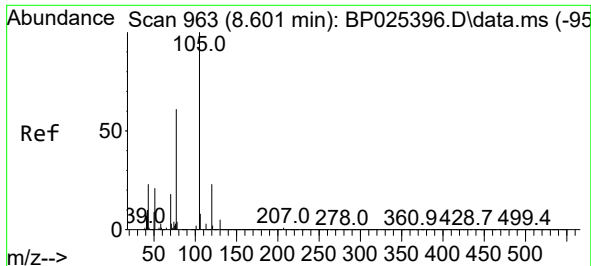
Tgt Ion:107	Resp:	67490
Ion	Ratio	Lower Upper
107	100	
108	83.0	66.3 106.3
77	35.3	12.3 52.3
79	24.7	7.8 47.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1297
Delta R.T. 0.006 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

Tgt Ion:136	Resp:	711886
Ion	Ratio	Lower Upper
136	100	
137	11.7	9.2 13.8
54	7.9	6.0 9.0
68	5.3	4.3 6.5

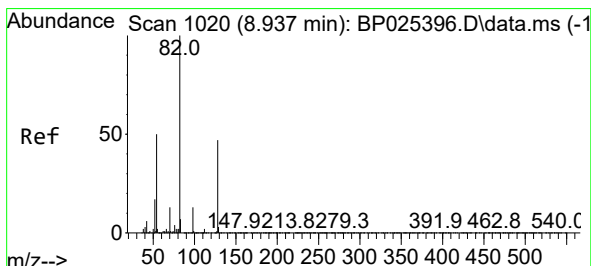
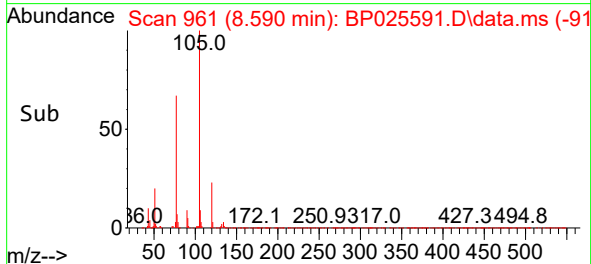
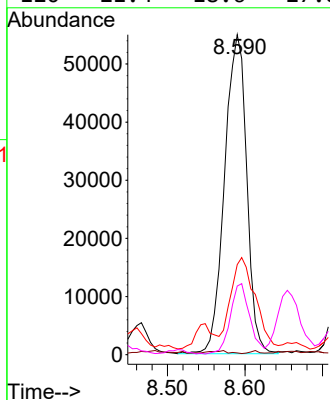
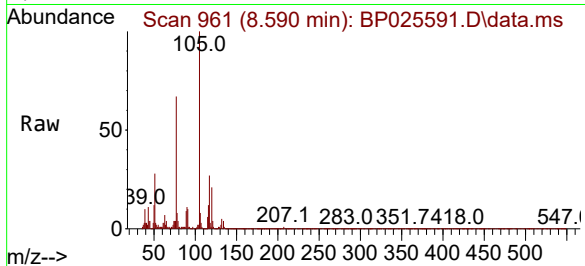




#22
Acetophenone
Concen: 6.117 ng
RT: 8.590 min Scan# 910
Delta R.T. -0.012 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

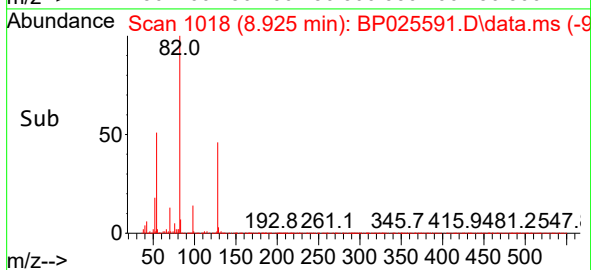
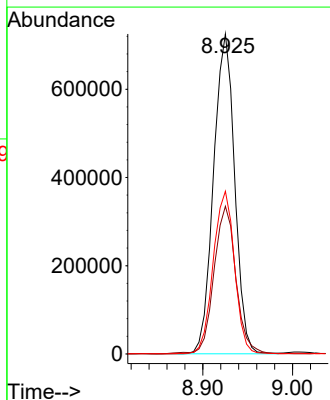
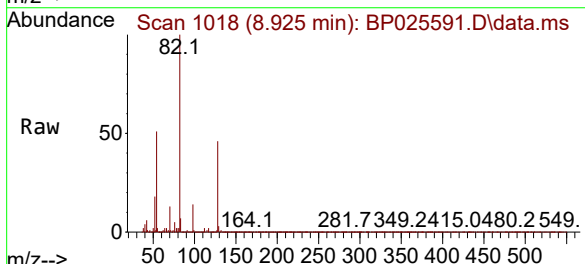
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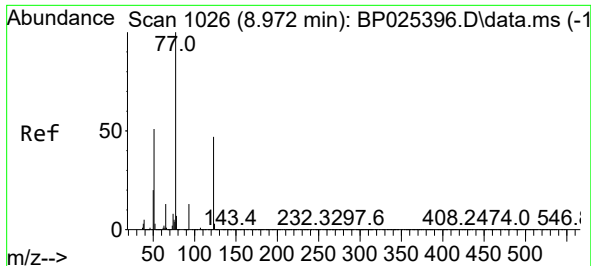
Tgt Ion:105 Resp: 109203
Ion Ratio Lower Upper
105 100
71 0.6 2.6 4.0#
51 28.1 20.6 30.8
120 21.4 18.6 27.8



#23
Nitrobenzene-d5
Concen: 84.092 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

Tgt Ion: 82 Resp: 1183427
Ion Ratio Lower Upper
82 100
128 46.1 37.7 56.5
54 50.8 39.8 59.6

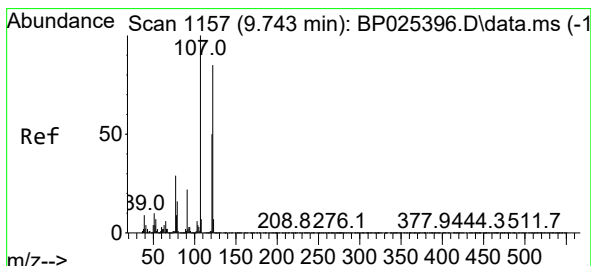
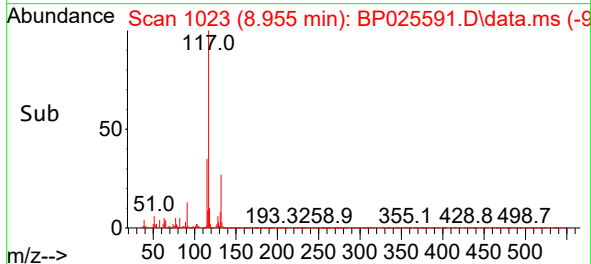
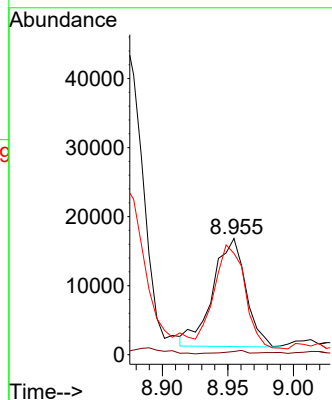
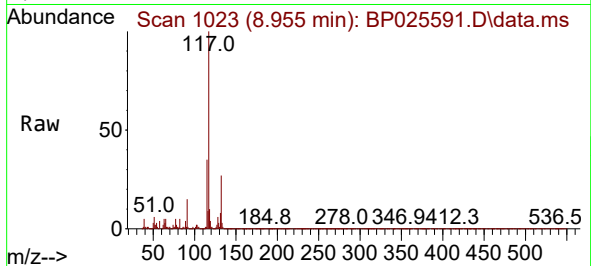




#24
Nitrobenzene
Concen: 2.191 ng
RT: 8.955 min Scan# 1026
Delta R.T. -0.018 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

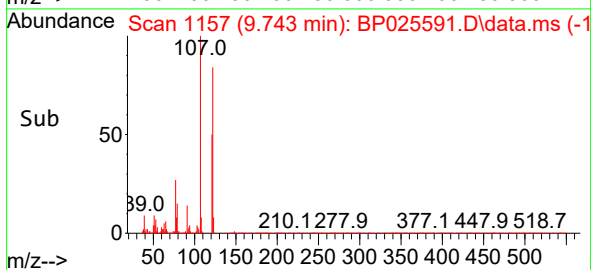
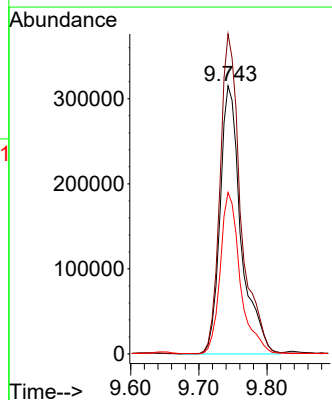
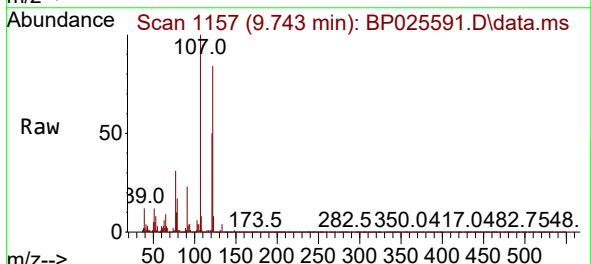
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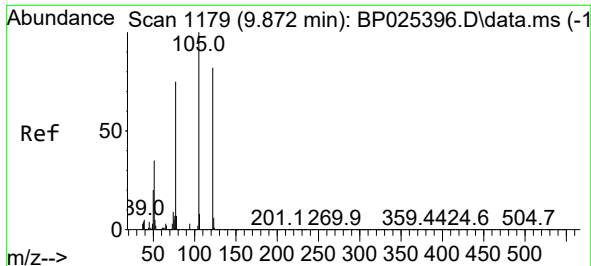
Tgt Ion: 77 Resp: 27561
Ion Ratio Lower Upper
77 100
123 2.8 38.6 58.0#
65 87.3 10.6 15.8#



#27
2,4-Dimethylphenol
Concen: 60.772 ng
RT: 9.743 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

Tgt Ion: 122 Resp: 674579
Ion Ratio Lower Upper
122 100
107 119.4 93.7 140.5
121 60.2 46.6 69.8

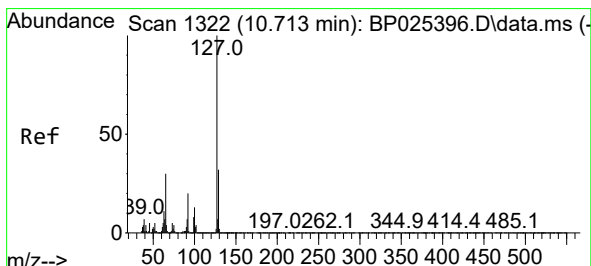
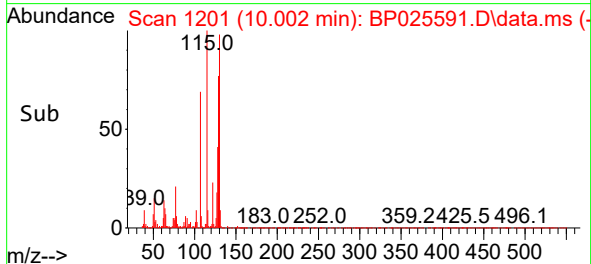
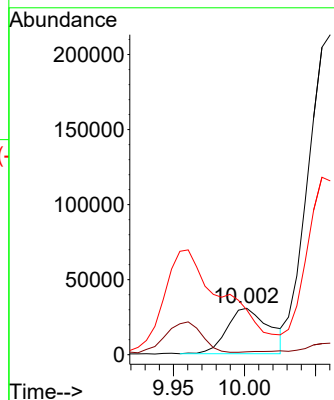
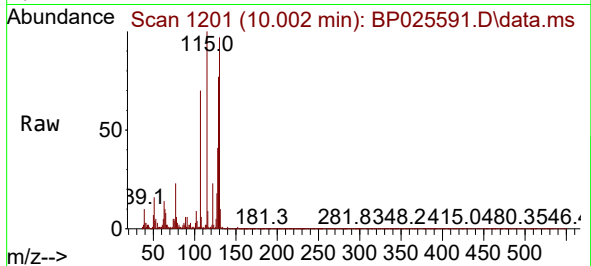




#32
Benzoic acid
Concen: 7.637 ng
RT: 10.002 min Scan# 1179
Delta R.T. 0.130 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

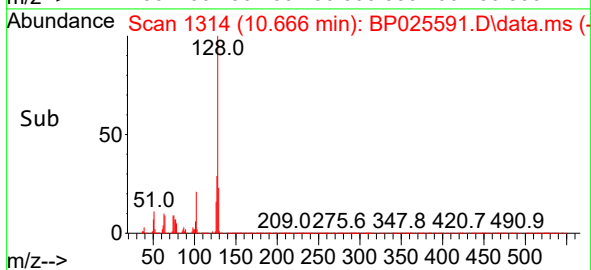
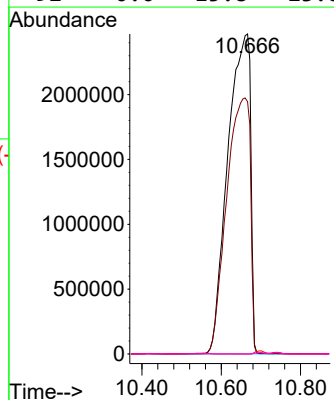
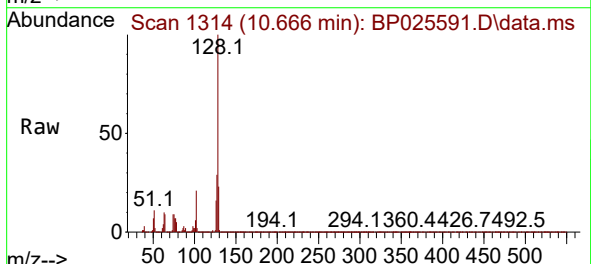
Instrument :
BNA_P
ClientSampleId :
MW-19B-082125

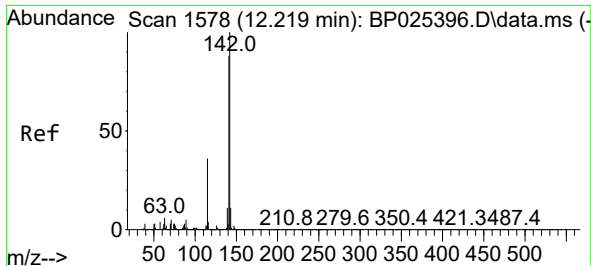
Tgt Ion:122 Resp: 62583
Ion Ratio Lower Upper
122 100
105 6.3 100.6 140.6#
77 96.6 71.5 111.5



#33
4-Chloroaniline
Concen: 600.971 ng
RT: 10.666 min Scan# 1314
Delta R.T. -0.047 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

Tgt Ion:127 Resp: 9822251
Ion Ratio Lower Upper
127 100
129 78.9 25.4 38.2#
65 0.0 23.8 35.6#
92 0.0 15.8 23.8#

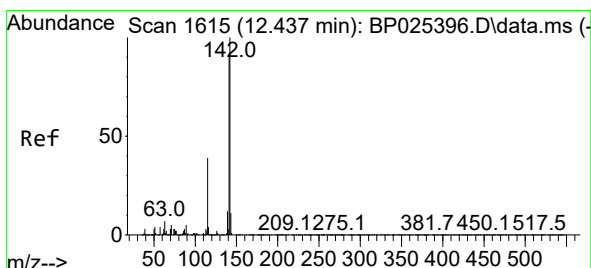
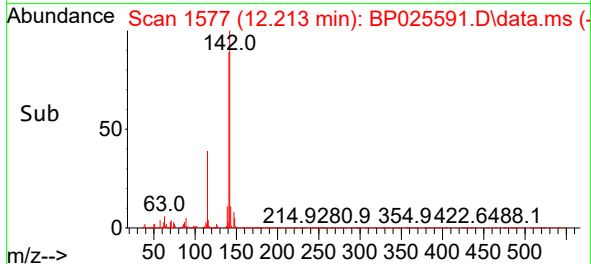
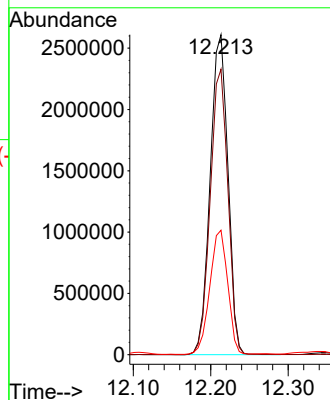
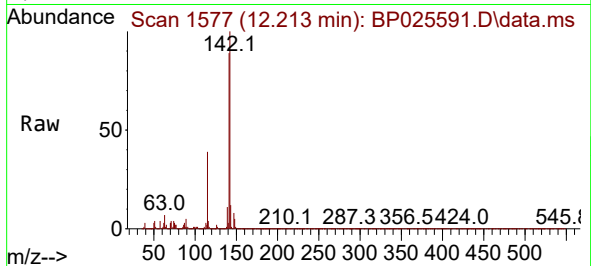




#37
2-Methylnaphthalene
Concen: 172.457 ng
RT: 12.213 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

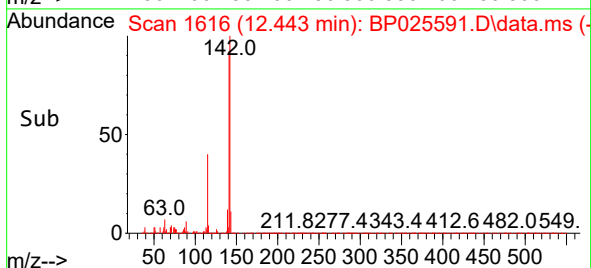
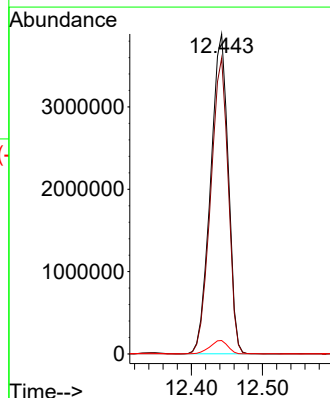
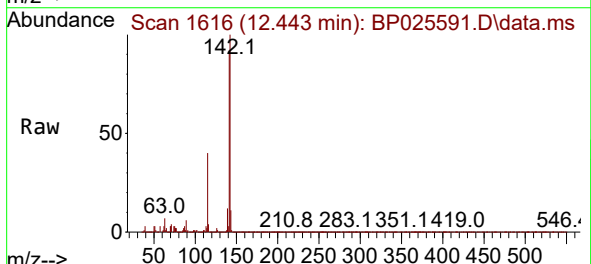
Instrument :
BNA_P
ClientSampleId :
MW-19B-082125

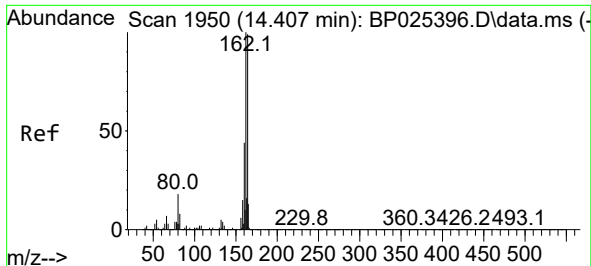
Tgt Ion:142 Resp: 4152595
Ion Ratio Lower Upper
142 100
141 89.2 70.3 105.5
115 38.9 28.9 43.3



#38
1-Methylnaphthalene
Concen: 262.337 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

Tgt Ion:142 Resp: 6717668
Ion Ratio Lower Upper
142 100
141 92.5 73.1 109.7
116 4.2 3.2 4.8

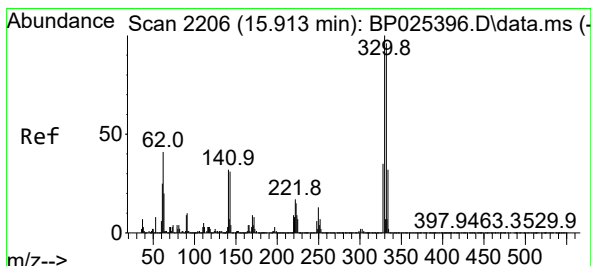
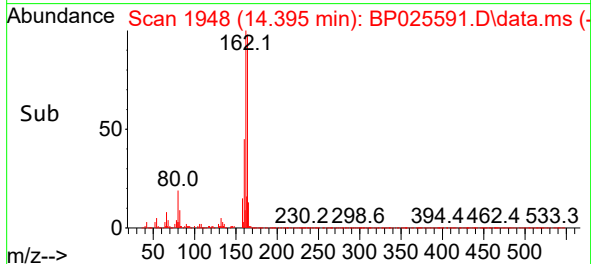
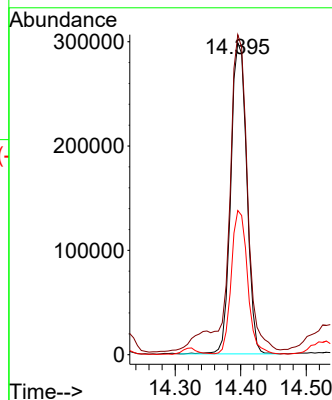
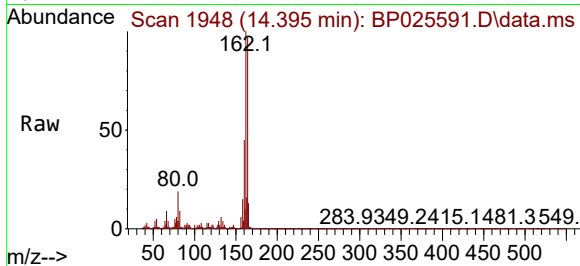




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

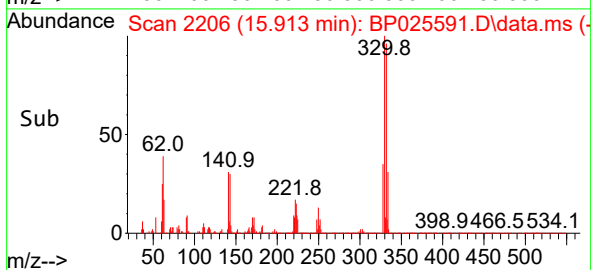
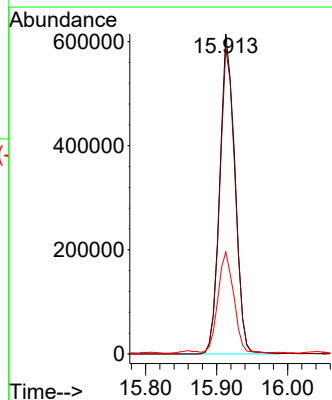
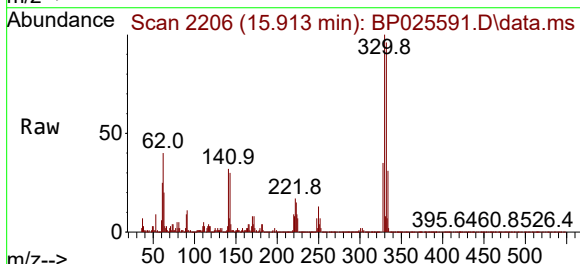
Instrument :
BNA_P
ClientSampleId :
MW-19B-082125

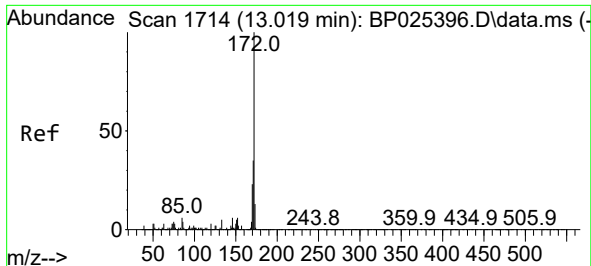
Tgt Ion:164 Resp: 504940
Ion Ratio Lower Upper
164 100
162 102.6 81.0 121.6
160 46.2 35.4 53.2



#42
2,4,6-Tribromophenol
Concen: 133.850 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

Tgt Ion:330 Resp: 909718
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 32.7 26.6 39.8

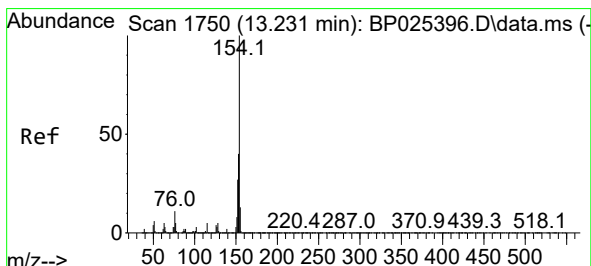
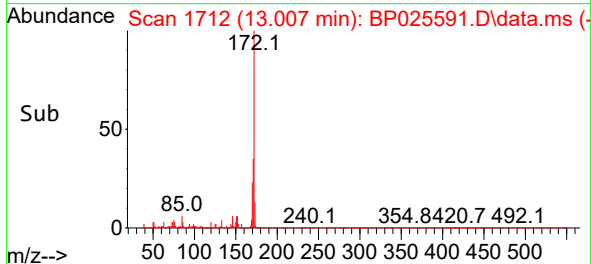
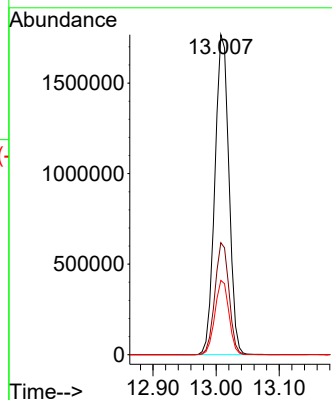
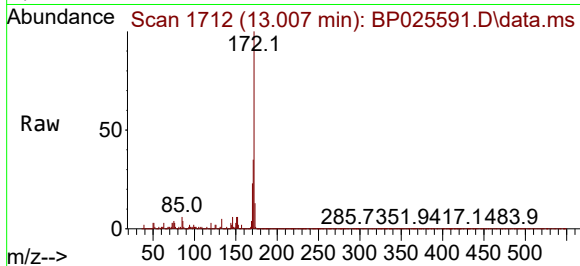




#45
2-Fluorobiphenyl
Concen: 73.964 ng
RT: 13.007 min Scan# 1714
Delta R.T. -0.012 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

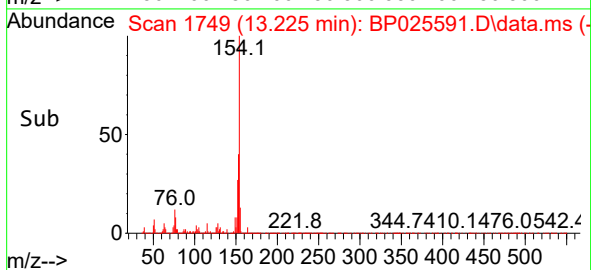
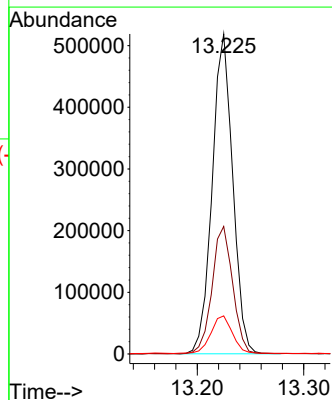
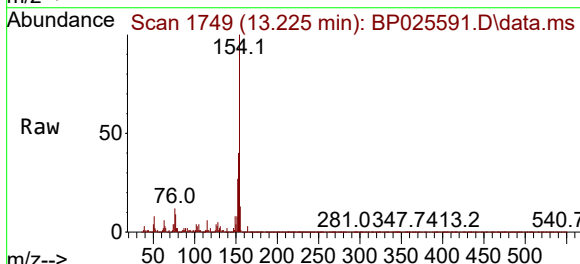
Instrument :
BNA_P
ClientSampleId :
MW-19B-082125

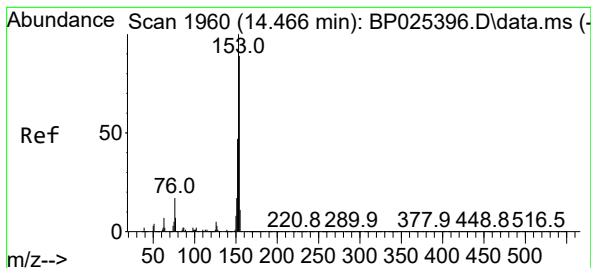
Tgt Ion:172 Resp: 2732706
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.2 18.6 28.0



#46
1,1'-Biphenyl
Concen: 18.902 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

Tgt Ion:154 Resp: 693183
Ion Ratio Lower Upper
154 100
153 39.9 19.5 59.5
76 11.9 0.0 31.1





#52

Acenaphthene

Concen: 113.029 ng

RT: 14.466 min Scan# 1960

Delta R.T. 0.000 min

Lab File: BP025591.D

Acq: 26 Aug 2025 18:41

Instrument :

BNA_P

ClientSampleId :

MW-19B-082125

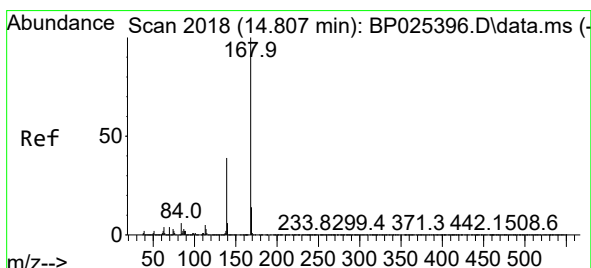
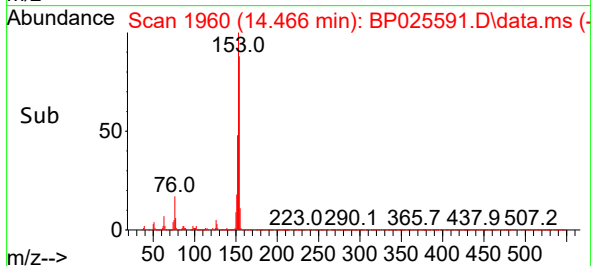
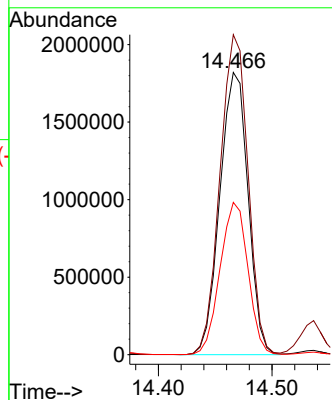
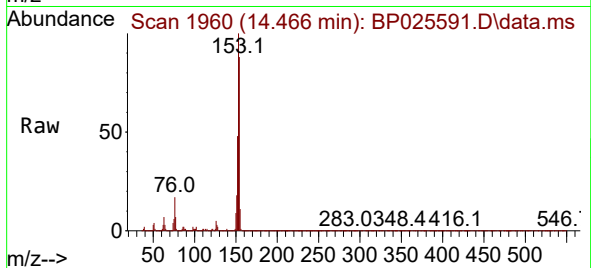
Tgt Ion:154 Resp: 3134160

Ion Ratio Lower Upper

154 100

153 113.4 90.2 135.2

152 54.0 42.1 63.1



#55

Dibenzofuran

Concen: 28.658 ng

RT: 14.801 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BP025591.D

Acq: 26 Aug 2025 18:41

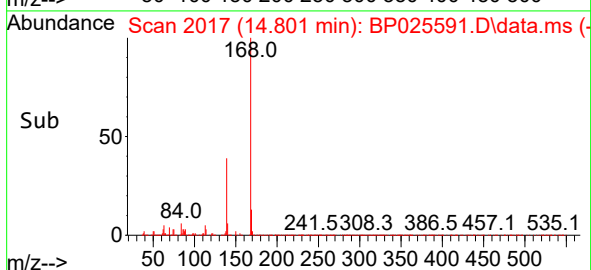
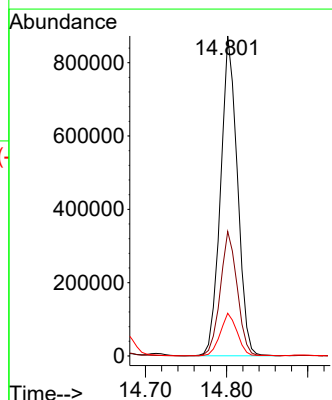
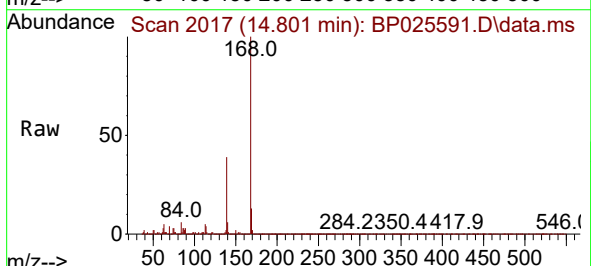
Tgt Ion:168 Resp: 1256333

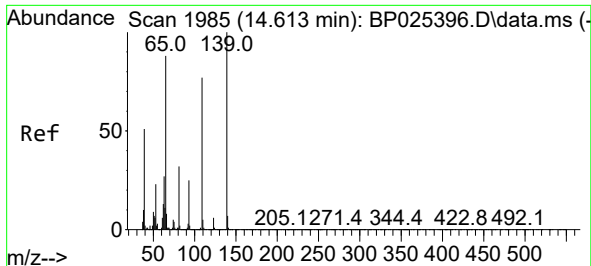
Ion Ratio Lower Upper

168 100

139 38.9 31.5 47.3

169 13.4 10.9 16.3

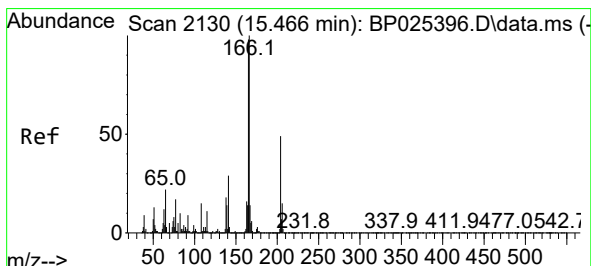
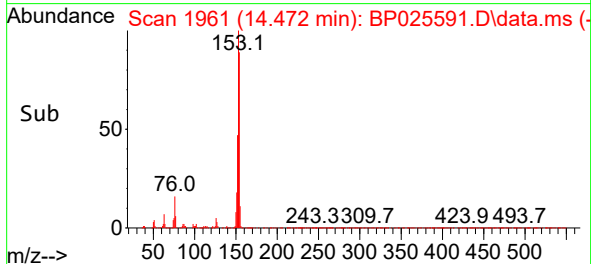
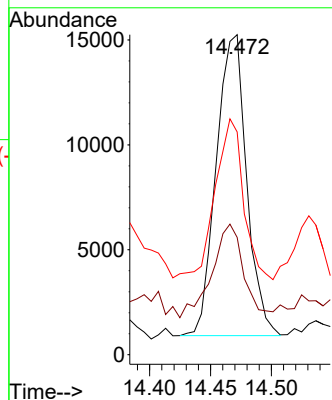
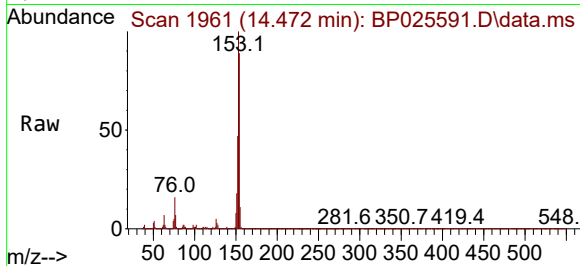




#56
4-Nitrophenol
Concen: 3.462 ng
RT: 14.472 min Scan# 1985
Delta R.T. -0.141 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

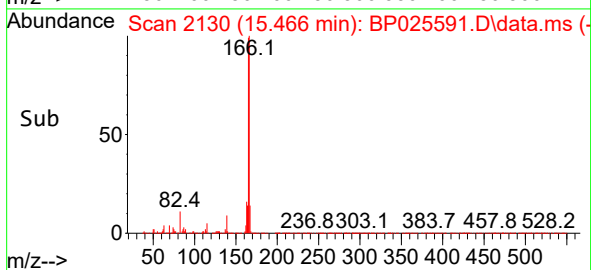
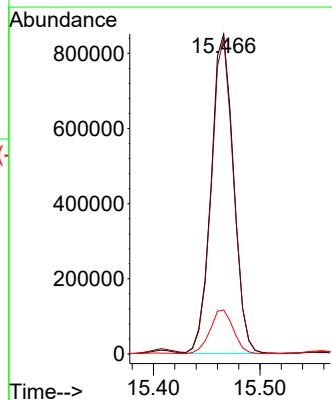
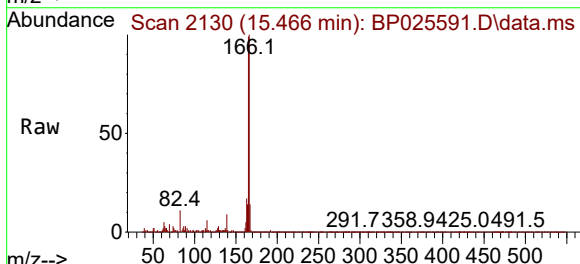
Instrument :
BNA_P
ClientSampleId :
MW-19B-082125

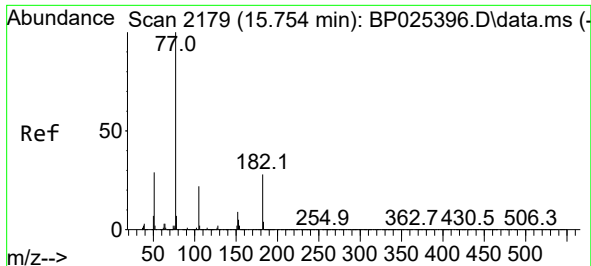
Tgt Ion:139 Resp: 24944
Ion Ratio Lower Upper
139 100
109 36.6 56.6 96.6#
65 69.6 68.2 108.2



#58
Fluorene
Concen: 36.062 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

Tgt Ion:166 Resp: 1247471
Ion Ratio Lower Upper
166 100
165 98.7 78.8 118.2
167 13.8 11.0 16.4

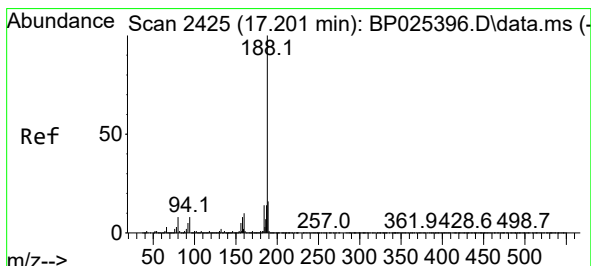
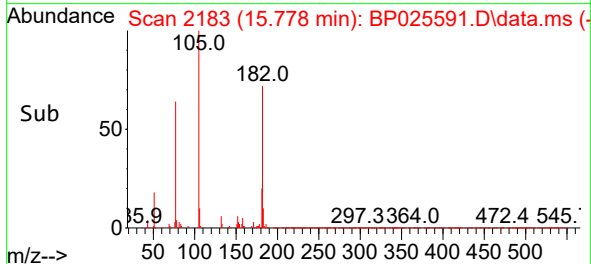
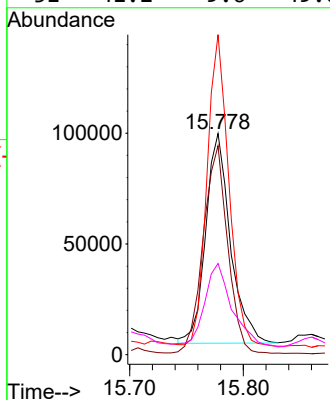
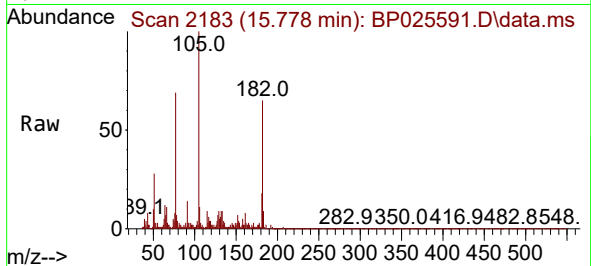




#63
Azobenzene
Concen: 4.454 ng
RT: 15.778 min Scan# 2179
Delta R.T. 0.024 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

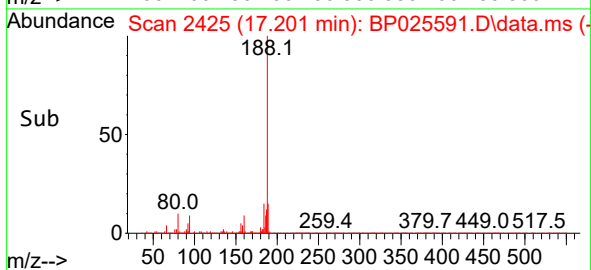
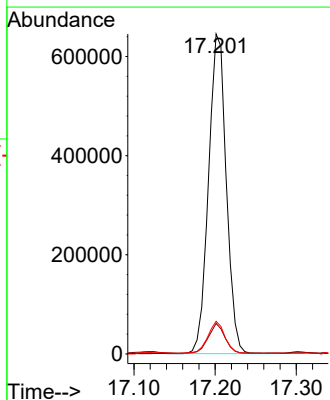
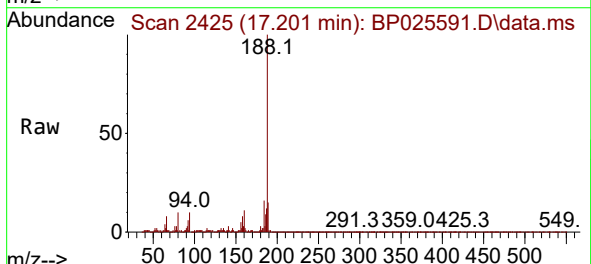
Instrument :
BNA_P
ClientSampleId :
MW-19B-082125

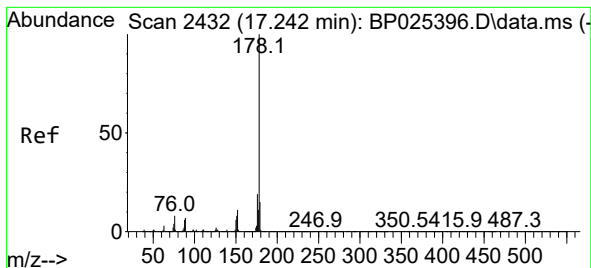
Tgt Ion: 77	Resp: 143289
Ion Ratio	Lower Upper
77	100
182	94.5 7.5 47.5#
105	144.7 2.1 42.1#
51	41.2 9.6 49.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

Tgt Ion: 188	Resp: 978534
Ion Ratio	Lower Upper
188	100
94	9.5 6.6 10.0
80	10.2 6.7 10.1#





#71

Phenanthrene

Concen: 21.450 ng

RT: 17.248 min Scan# 2432

Delta R.T. 0.006 min

Lab File: BP025591.D

Acq: 26 Aug 2025 18:41

Instrument :

BNA_P

ClientSampleId :

MW-19B-082125

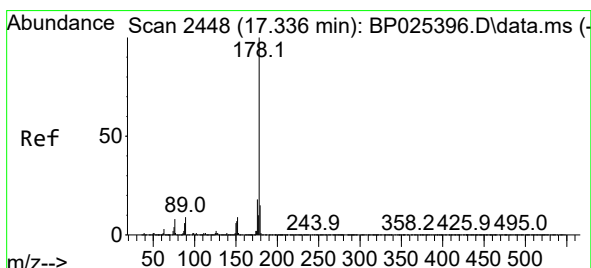
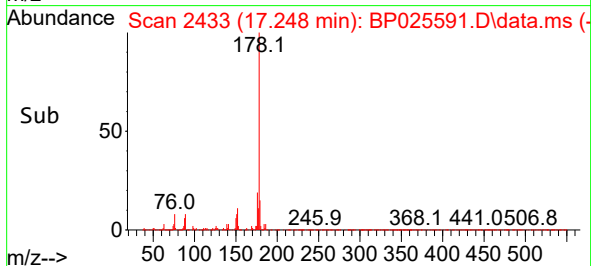
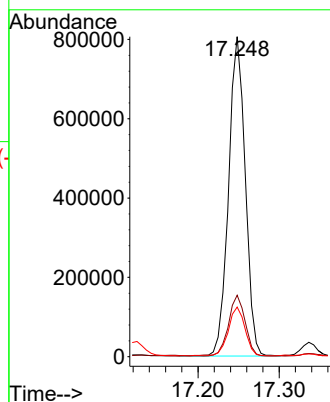
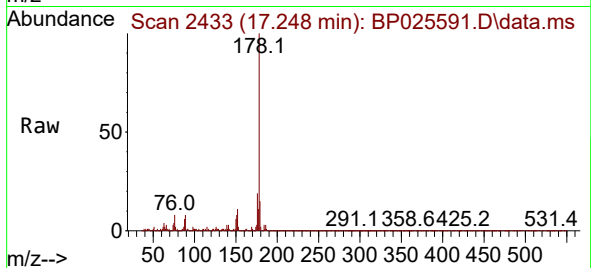
Tgt Ion:178 Resp: 1153013

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

179 15.5 12.2 18.4



#72

Anthracene

Concen: 21.004 ng

RT: 17.248 min Scan# 2433

Delta R.T. -0.088 min

Lab File: BP025591.D

Acq: 26 Aug 2025 18:41

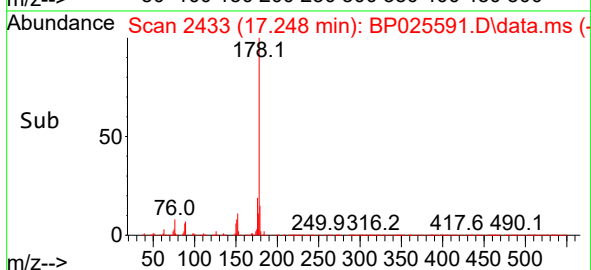
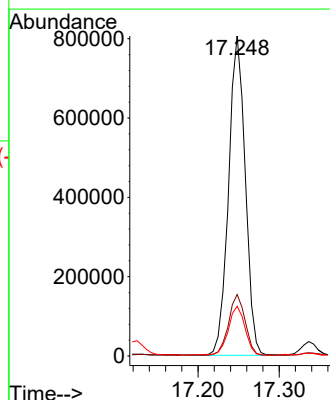
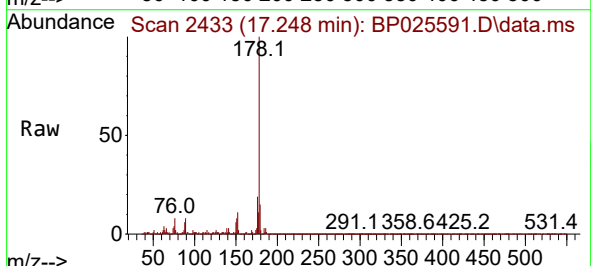
Tgt Ion:178 Resp: 1153013

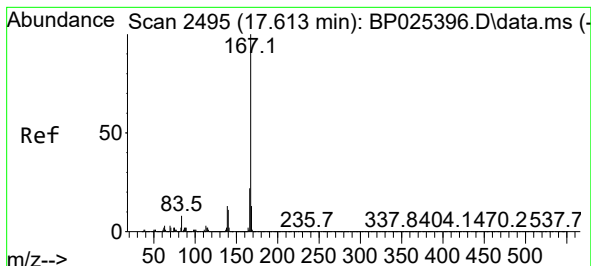
Ion Ratio Lower Upper

178 100

176 19.2 14.7 22.1

179 15.5 12.2 18.2





#73

Carbazole

Concen: 20.675 ng

RT: 17.619 min Scan# 2495

Delta R.T. 0.006 min

Lab File: BP025591.D

Acq: 26 Aug 2025 18:41

Instrument :

BNA_P

ClientSampleId :

MW-19B-082125

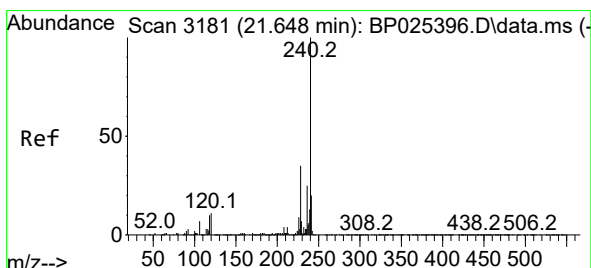
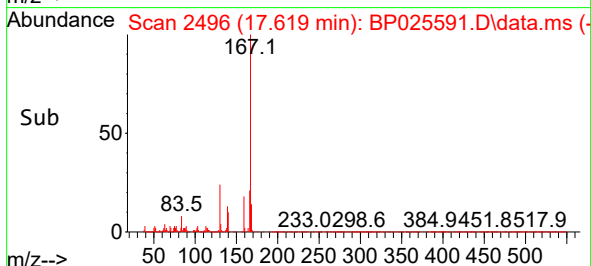
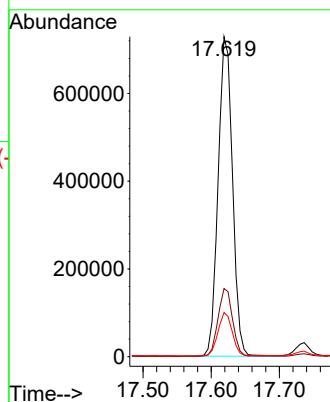
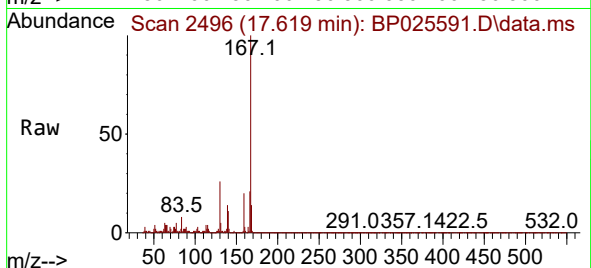
Tgt Ion:167 Resp: 1069013

Ion Ratio Lower Upper

167 100

166 21.3 17.5 26.3

139 13.8 10.6 16.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.642 min Scan# 3180

Delta R.T. -0.006 min

Lab File: BP025591.D

Acq: 26 Aug 2025 18:41

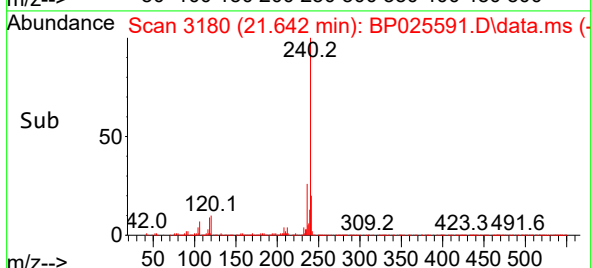
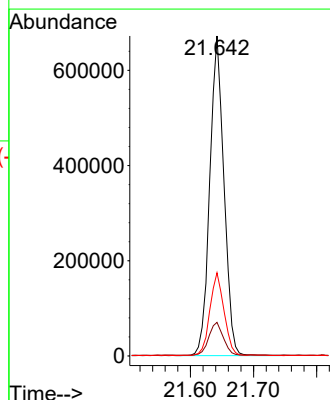
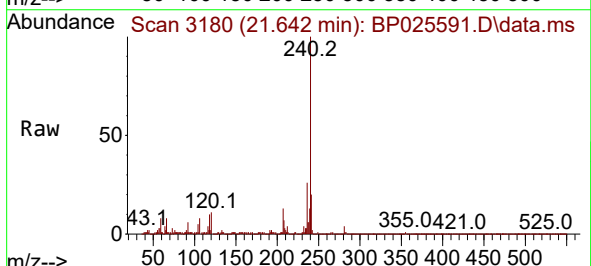
Tgt Ion:240 Resp: 1047856

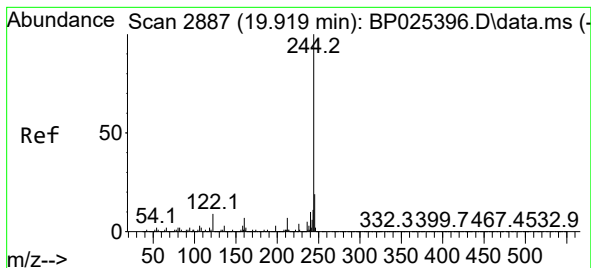
Ion Ratio Lower Upper

240 100

120 10.5 8.9 13.3

236 26.0 19.8 29.8





#79

Terphenyl-d14

Concen: 76.113 ng

RT: 19.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025591.D

Acq: 26 Aug 2025 18:41

Instrument :

BNA_P

ClientSampleId :

MW-19B-082125

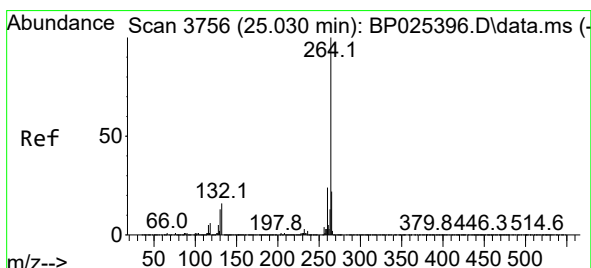
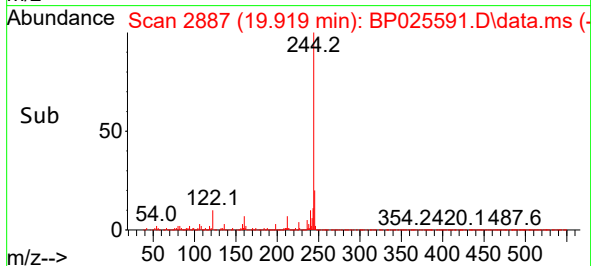
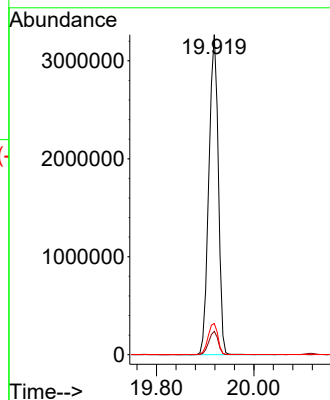
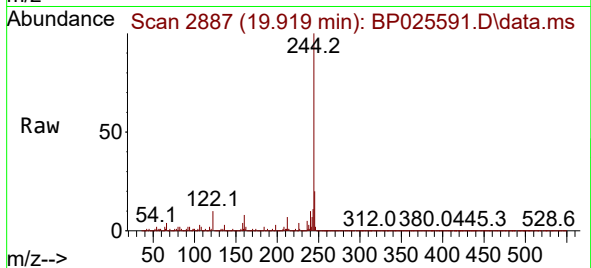
Tgt Ion:244 Resp: 4359257

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 9.7 7.4 11.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.024 min Scan# 3755

Delta R.T. -0.006 min

Lab File: BP025591.D

Acq: 26 Aug 2025 18:41

Tgt Ion:264 Resp: 1242891

Ion Ratio Lower Upper

264 100

260 23.9 19.3 28.9

265 22.1 17.4 26.0

