

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031325\
 Data File : BP024175.D
 Acq On : 13 Mar 2025 13:51
 Operator : RC/JU
 Sample : Q1502-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PT-ACIDS-WP

Quant Time: Mar 13 14:15:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 13 05:55:58 2025
 Response via : Initial Calibration

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

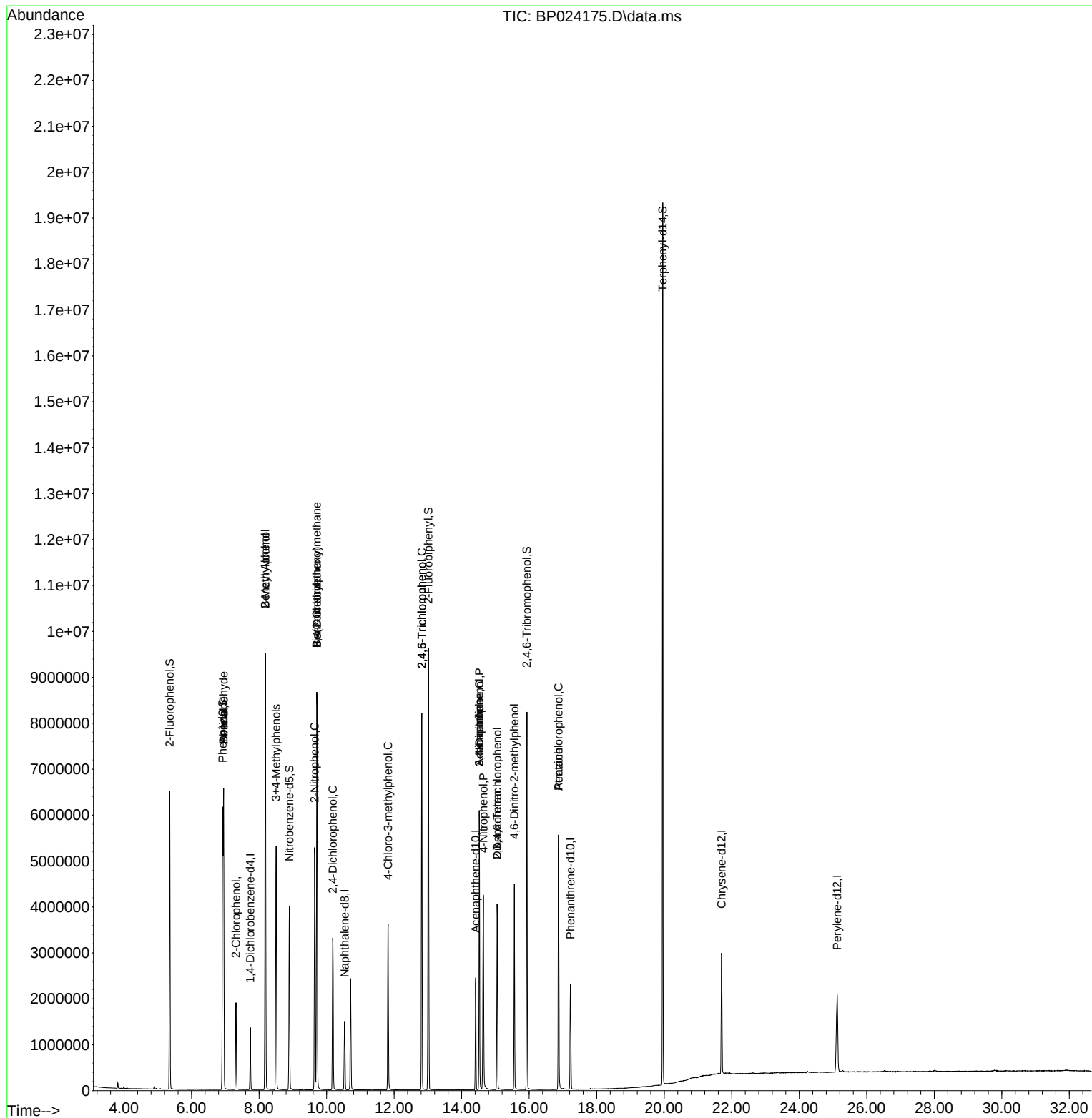
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	332785	20.000	ng	-0.03
21) Naphthalene-d8	10.534	136	1357432	20.000	ng	-0.02
39) Acenaphthene-d10	14.416	164	822876	20.000	ng	0.01
64) Phenanthrene-d10	17.222	188	1600351	20.000	ng	0.02
76) Chrysene-d12	21.698	240	1655513	20.000	ng	0.04
86) Perylene-d12	25.121	264	1860601	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	3029498	145.317	ng	-0.03
7) Phenol-d6	6.922	99	3965401	142.238	ng	-0.03
23) Nitrobenzene-d5	8.899	82	2292555	95.289	ng	-0.02
42) 2,4,6-Tribromophenol	15.934	330	1564249	150.914	ng	0.02
45) 2-Fluorobiphenyl	13.016	172	5235368	93.813	ng	0.00
79) Terphenyl-d14	19.957	244	8356039	104.190	ng	0.04
Target Compounds						Qvalue
6) Aniline	6.952	93	77500	3.051	ng	# 1
8) 2-Chlorophenol	7.316	128	883671	39.242	ng	99
9) Benzaldehyde	6.952	77	40714	3.026	ng	# 1
10) Phenol	6.952	94	3907245	138.832	ng	98
15) Benzyl Alcohol	8.187	79	1317620	74.653	ng	# 1
17) 2-Methylphenol	8.187	107	3207081	181.723	ng	99
20) 3+4-Methylphenols	8.505	107	2618812	108.010	ng	91
26) 2-Nitrophenol	9.646	139	1995159	175.987	ng	99
27) 2,4-Dimethylphenol	9.710	122	2866370	196.624	ng	100
28) bis(2-Chloroethoxy)met...	9.710	93	113099	3.898	ng	# 1
29) 2,4-Dichlorophenol	10.181	162	1356868	68.805	ng	100
32) Benzoic acid	9.710	122	2866370	201.611	ng	# 14
36) 4-Chloro-3-methylphenol	11.822	107	1345188	63.231	ng	98
43) 2,4,6-Trichlorophenol	12.822	196	1916696	126.791	ng	100
44) 2,4,5-Trichlorophenol	12.822	196	1916696	115.614	ng	# 93
52) Acenaphthene	14.522	154	752107	16.726	ng	# 5
53) 3-Nitroaniline	14.522	138	43072	3.292	ng	# 1
54) 2,4-Dinitrophenol	14.522	184	1304329	203.475	ng	96
55) Dibenzofuran	15.051	168	252042	3.460	ng	# 46
56) 4-Nitrophenol	14.646	139	1490824	136.357	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	840235	57.365	ng	99
65) 4,6-Dinitro-2-methylph...	15.563	198	920727	96.912	ng	99
69) Atrazine	16.869	200	198685	16.938	ng	# 35
70) Pentachlorophenol	16.869	266	1109698	82.513	ng	100

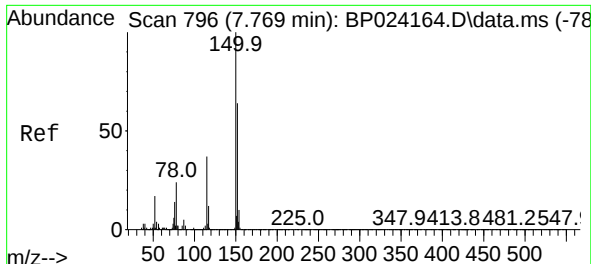
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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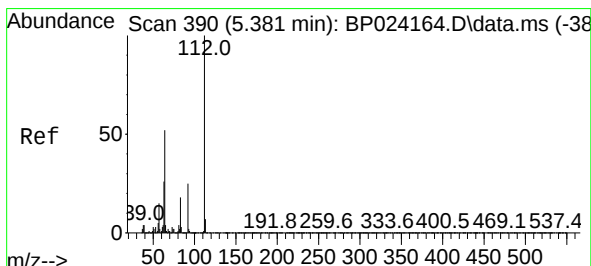
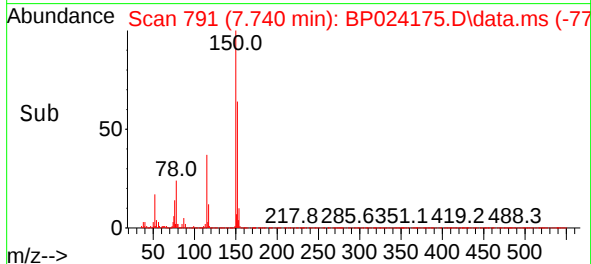
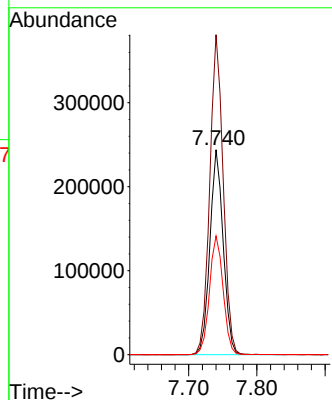
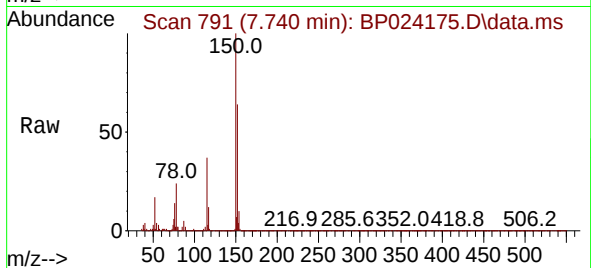




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 70
Delta R.T. -0.029 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

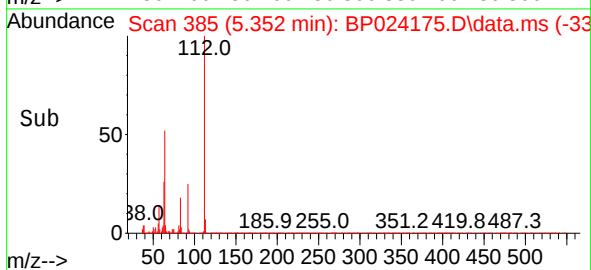
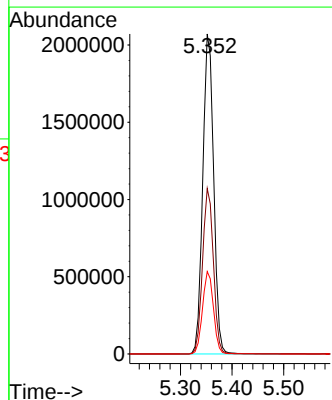
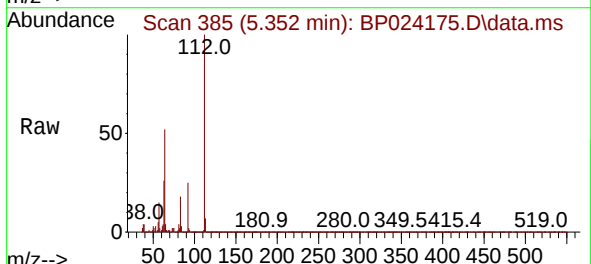
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BNA_P
ClientSampleId :
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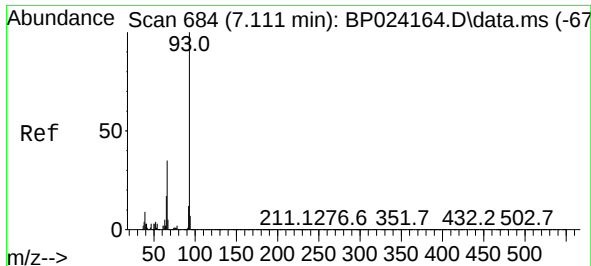
Tgt Ion:152 Resp: 332785
Ion Ratio Lower Upper
152 100
150 156.2 125.5 188.3
115 57.9 46.3 69.5



#5
2-Fluorophenol
Concen: 145.317 ng
RT: 5.352 min Scan# 385
Delta R.T. -0.029 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

Tgt Ion:112 Resp: 3029498
Ion Ratio Lower Upper
112 100
64 51.7 41.3 61.9
63 25.8 20.6 31.0

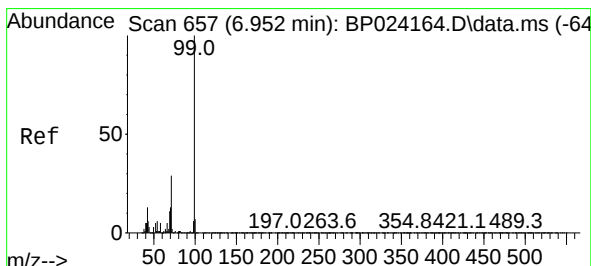
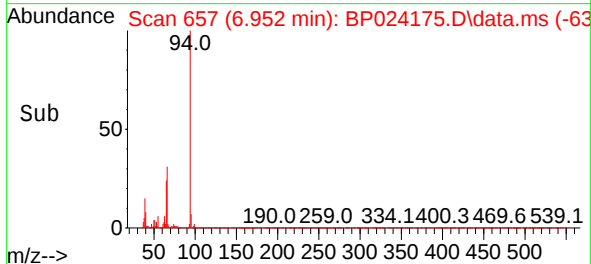
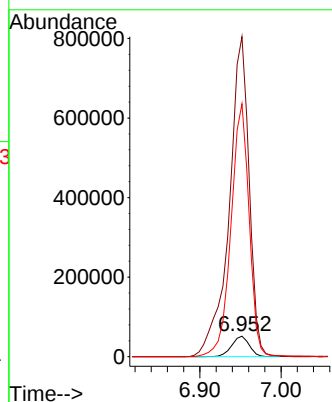
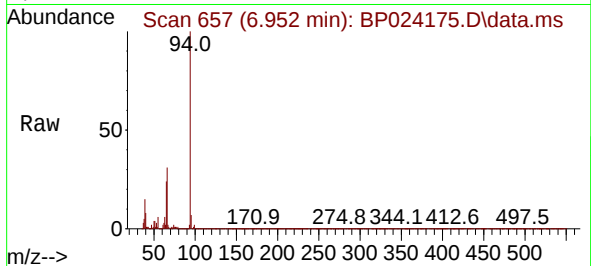




#6
Aniline
Concen: 3.051 ng
RT: 6.952 min Scan# 61
Delta R.T. -0.159 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

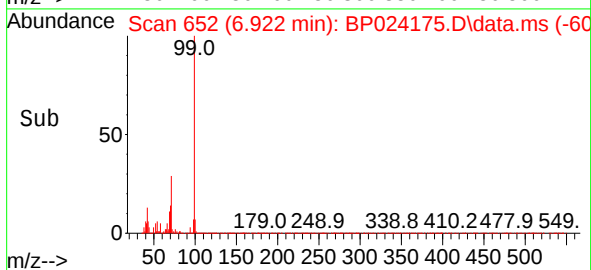
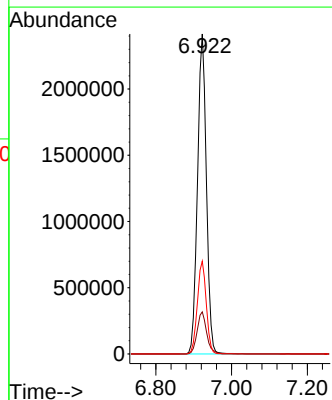
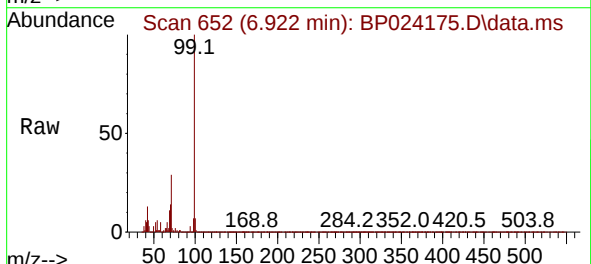
Instrument :
BNA_P
ClientSampleId :
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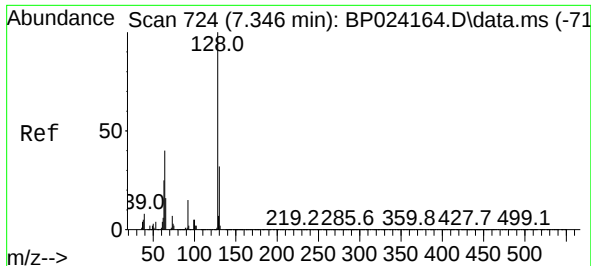
Tgt Ion: 93 Resp: 77500
Ion Ratio Lower Upper
93 100
66 1561.5 28.2 42.2#
65 1234.2 14.0 21.0#



#7
Phenol-d6
Concen: 142.238 ng
RT: 6.922 min Scan# 652
Delta R.T. -0.029 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

Tgt Ion: 99 Resp: 3965401
Ion Ratio Lower Upper
99 100
42 13.1 10.6 16.0
71 29.0 23.3 34.9

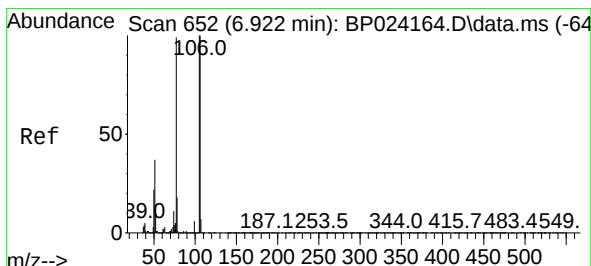
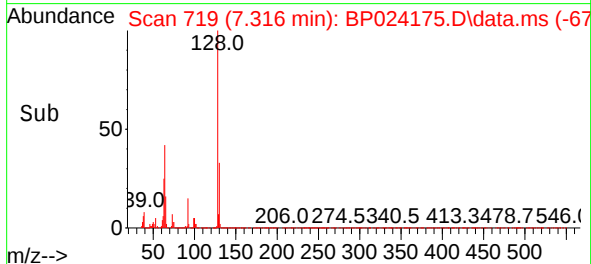
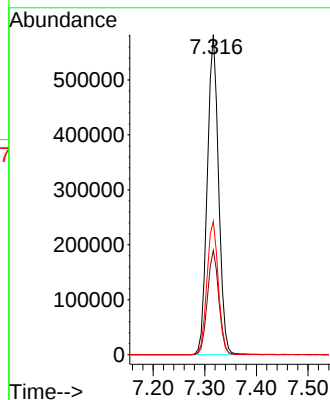
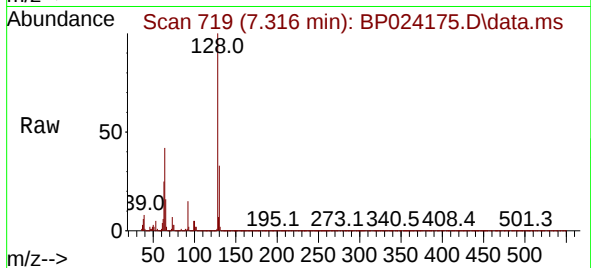




#8
2-Chlorophenol
Concen: 39.242 ng
RT: 7.316 min Scan# 71
Delta R.T. -0.029 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

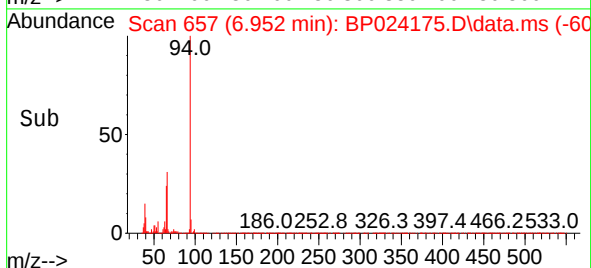
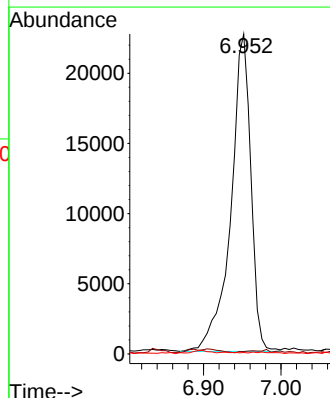
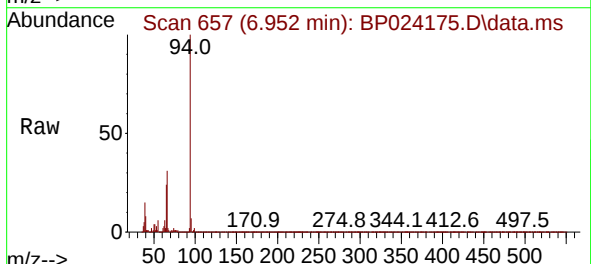
Instrument :
BNA_P
ClientSampleId :
PT-ACIDS-WP

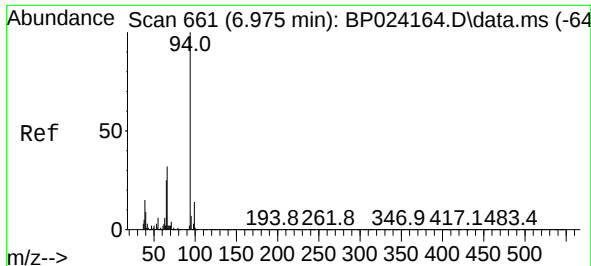
Tgt Ion:128 Resp: 883671
Ion Ratio Lower Upper
128 100
130 32.6 12.0 52.0
64 41.6 21.6 61.6



#9
Benzaldehyde
Concen: 3.026 ng
RT: 6.952 min Scan# 657
Delta R.T. 0.029 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

Tgt Ion: 77 Resp: 40714
Ion Ratio Lower Upper
77 100
105 0.7 81.4 121.4#
106 0.5 81.1 121.1#

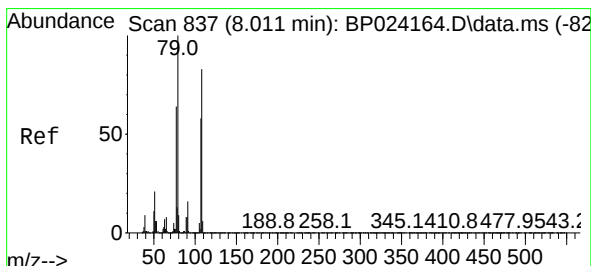
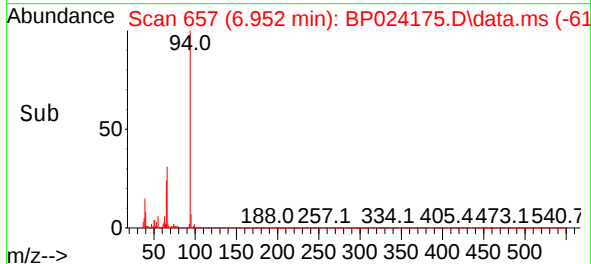
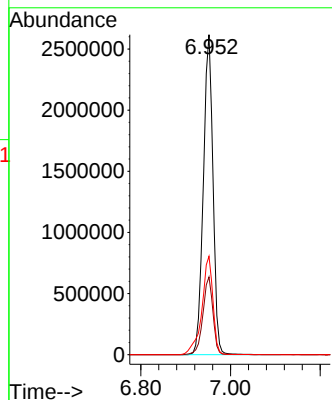
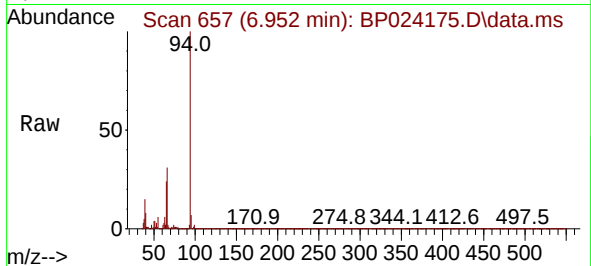




#10
Phenol
Concen: 138.832 ng
RT: 6.952 min Scan# 61
Delta R.T. -0.023 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

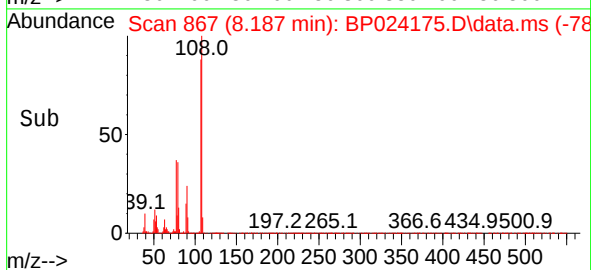
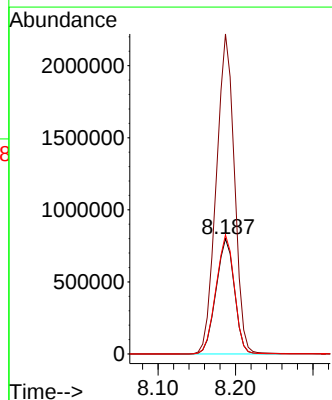
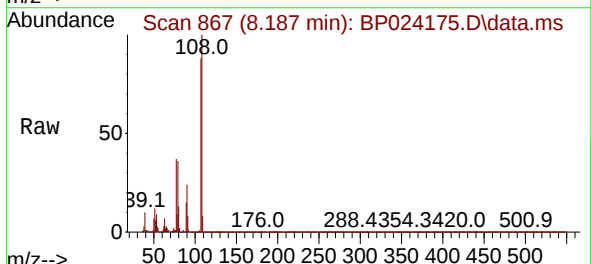
Instrument :
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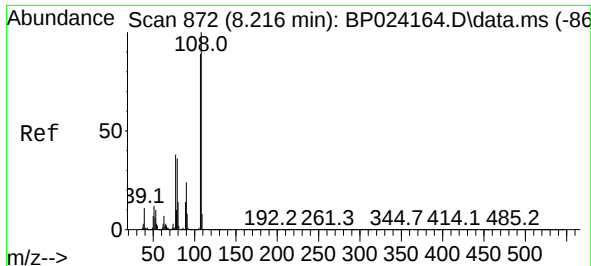
Tgt Ion: 94 Resp: 3907245
Ion Ratio Lower Upper
94 100
65 24.3 4.9 44.9
66 30.7 11.9 51.9



#15
Benzyl Alcohol
Concen: 74.653 ng
RT: 8.187 min Scan# 867
Delta R.T. 0.176 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

Tgt Ion: 79 Resp: 1317620
Ion Ratio Lower Upper
79 100
108 277.9 66.5 99.7#
77 103.5 50.9 76.3#

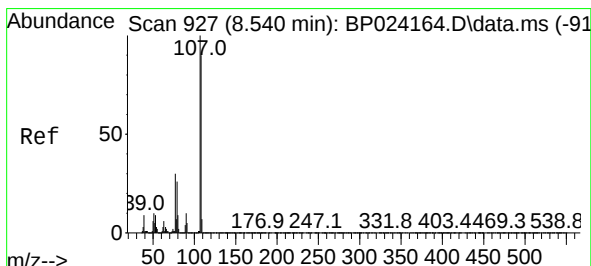
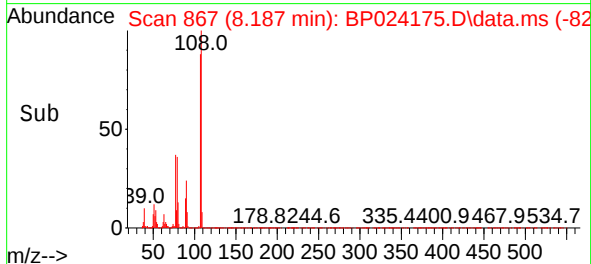
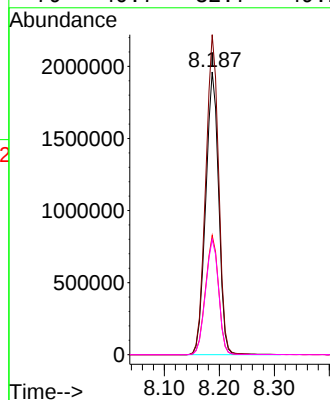
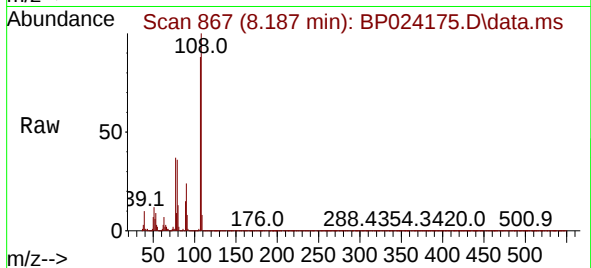




#17
2-Methylphenol
Concen: 181.723 ng
RT: 8.187 min Scan# 80
Delta R.T. -0.029 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

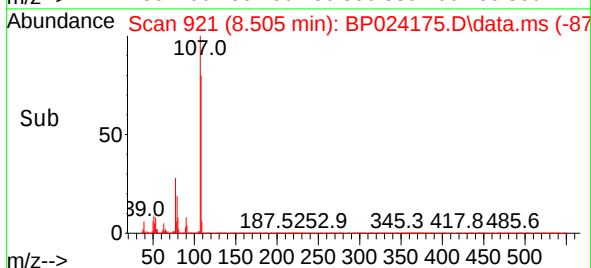
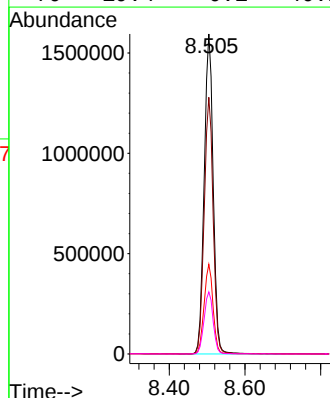
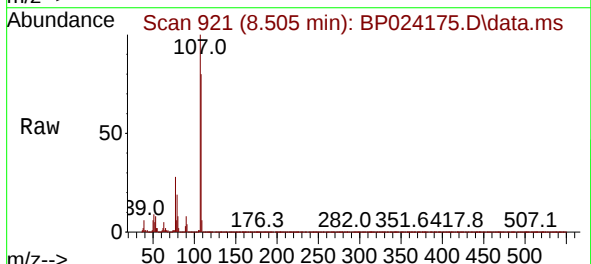
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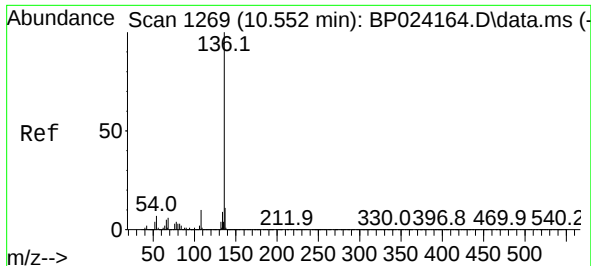
Tgt Ion:107 Resp: 3207081
Ion Ratio Lower Upper
107 100
108 113.2 90.0 135.0
77 42.1 34.0 51.0
79 40.7 32.7 49.1



#20
3+4-Methylphenols
Concen: 108.010 ng
RT: 8.505 min Scan# 921
Delta R.T. -0.035 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

Tgt Ion:107 Resp: 2618812
Ion Ratio Lower Upper
107 100
108 80.2 69.7 109.7
77 28.0 10.3 50.3
79 19.4 6.1 46.1

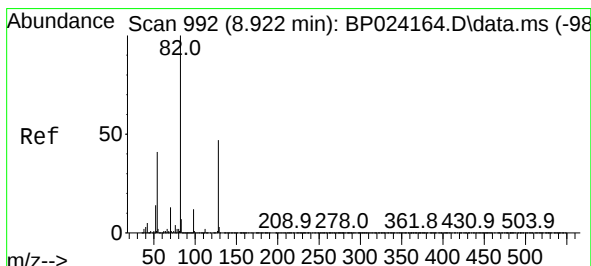
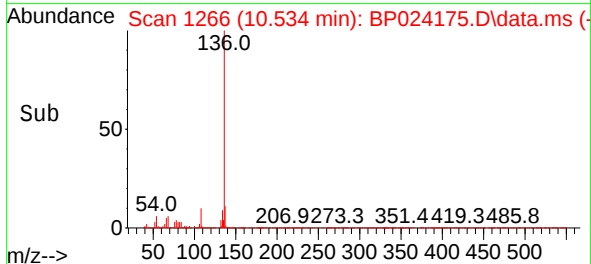
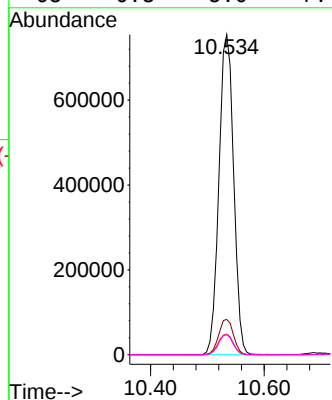
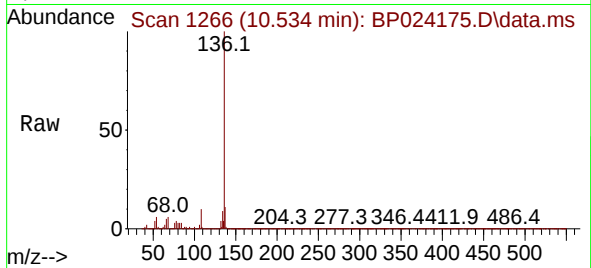




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1266
Delta R.T. -0.018 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

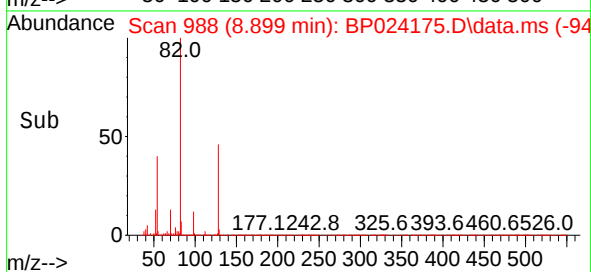
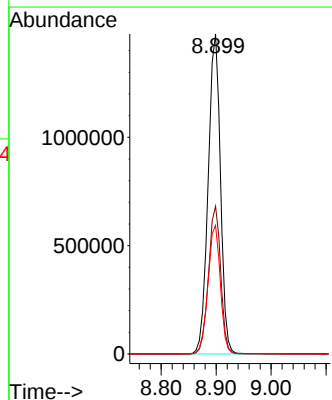
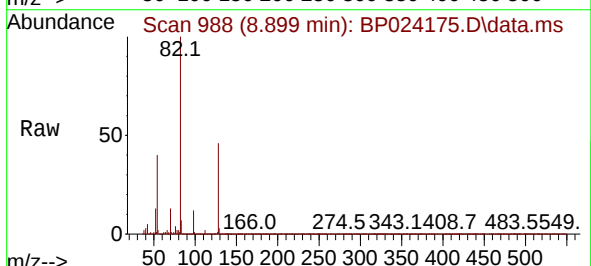
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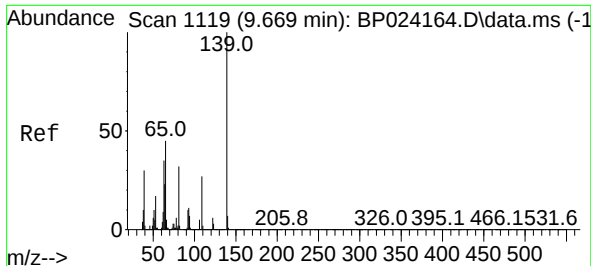
Tgt Ion:136 Resp: 1357432
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 6.4 5.3 7.9
68 6.3 5.0 7.4



#23
Nitrobenzene-d5
Concen: 95.289 ng
RT: 8.899 min Scan# 988
Delta R.T. -0.024 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

Tgt Ion: 82 Resp: 2292555
Ion Ratio Lower Upper
82 100
128 46.2 37.4 56.0
54 40.2 32.5 48.7

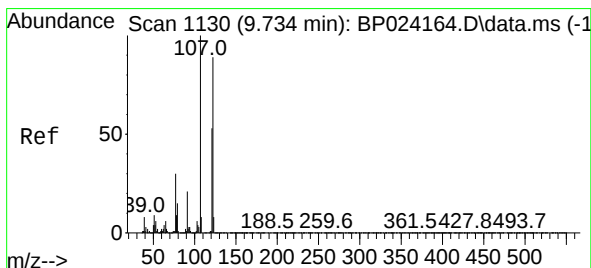
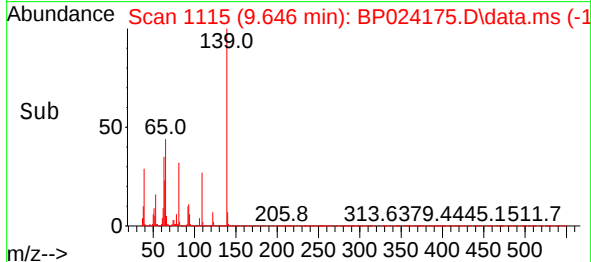
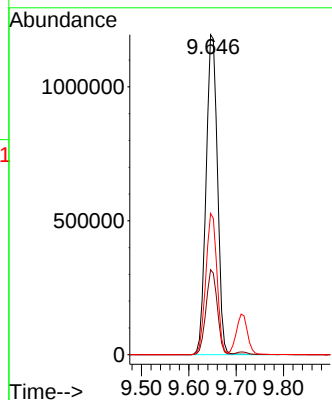
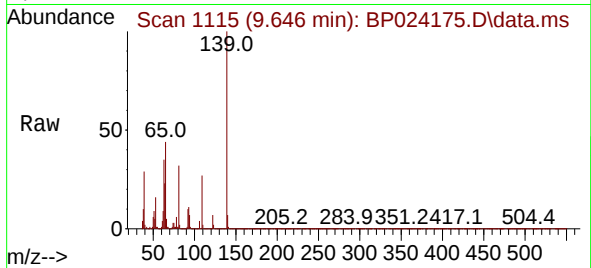




#26
2-Nitrophenol
Concen: 175.987 ng
RT: 9.646 min Scan# 1115
Delta R.T. -0.024 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

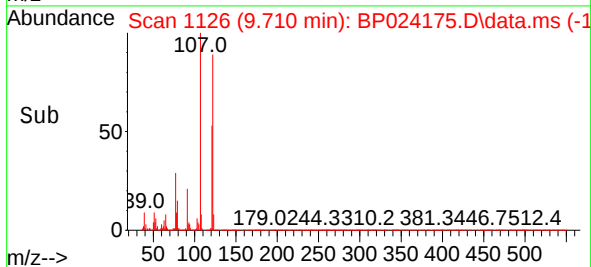
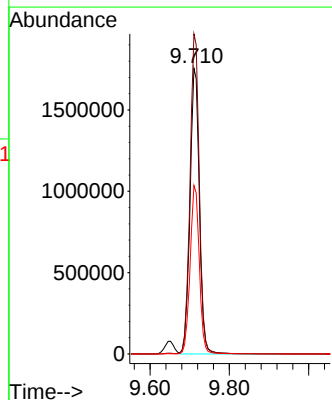
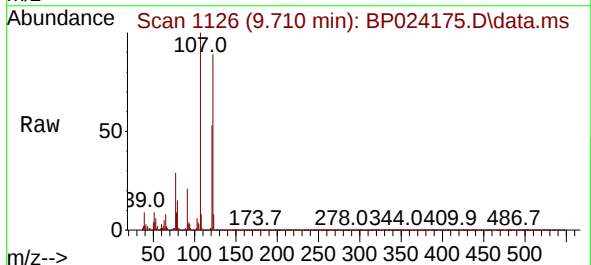
Instrument :
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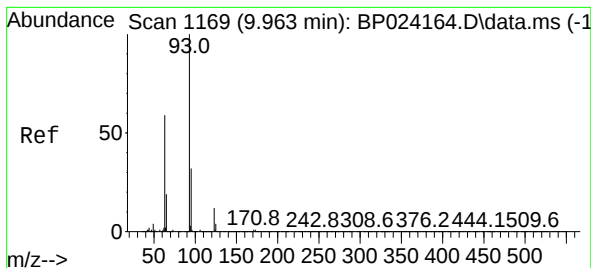
Tgt Ion:139 Resp: 1995159
Ion Ratio Lower Upper
139 100
109 26.6 21.7 32.5
65 44.2 35.8 53.8



#27
2,4-Dimethylphenol
Concen: 196.624 ng
RT: 9.710 min Scan# 1126
Delta R.T. -0.024 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

Tgt Ion:122 Resp: 2866370
Ion Ratio Lower Upper
122 100
107 112.0 89.3 133.9
121 59.0 47.5 71.3

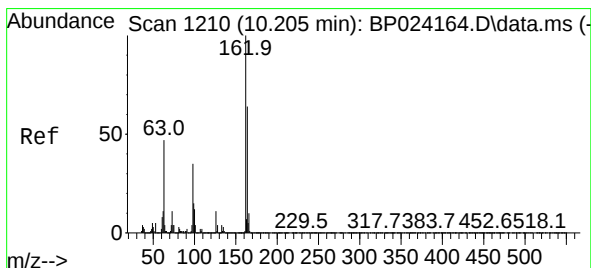
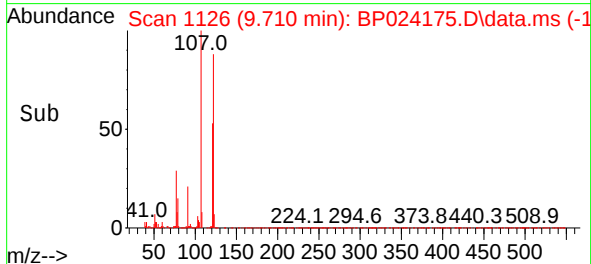
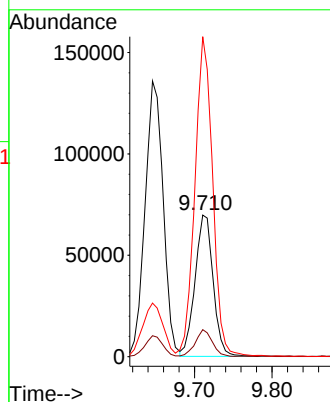
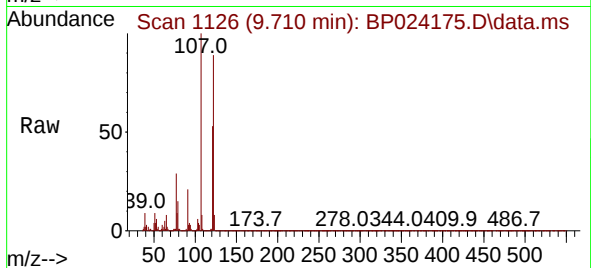




#28
bis(2-Chloroethoxy)methane
Concen: 3.898 ng
RT: 9.710 min Scan# 1169
Delta R.T. -0.253 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

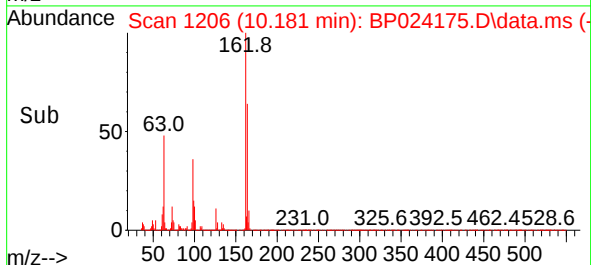
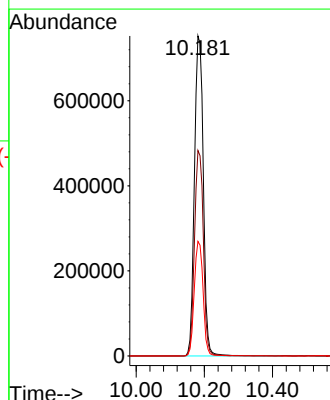
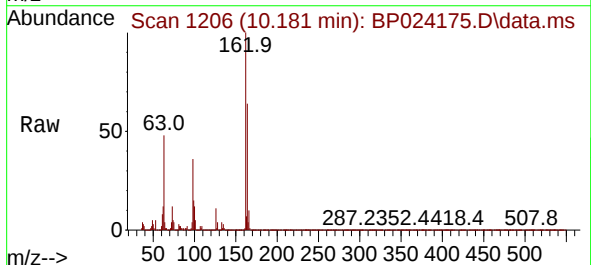
Instrument :
BNA_P
ClientSampleId :
PT-ACIDS-WP

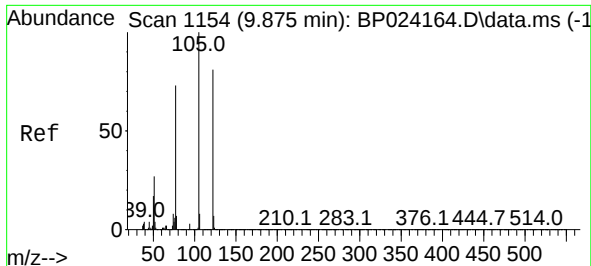
Tgt Ion: 93 Resp: 113099
Ion Ratio Lower Upper
93 100
95 19.1 25.9 38.9#
123 226.0 9.5 14.3#



#29
2,4-Dichlorophenol
Concen: 68.805 ng
RT: 10.181 min Scan# 1206
Delta R.T. -0.024 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

Tgt Ion:162 Resp: 1356868
Ion Ratio Lower Upper
162 100
164 64.2 44.2 84.2
98 35.8 15.1 55.1

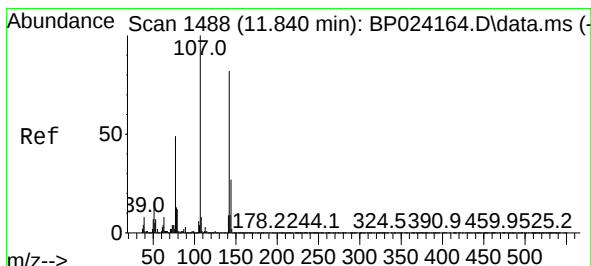
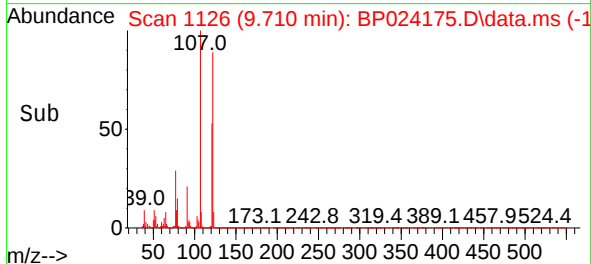
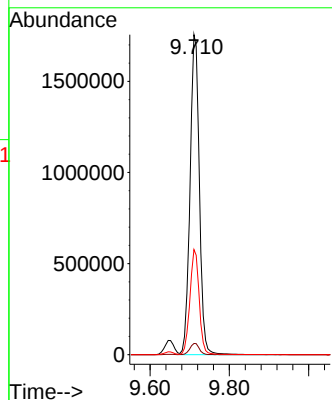
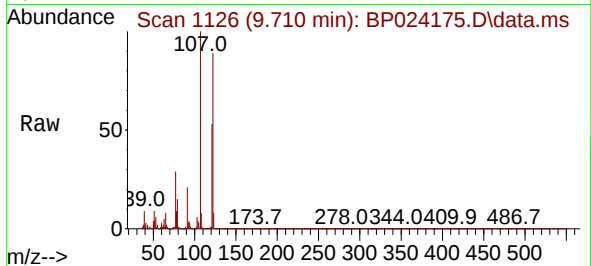




#32
Benzoic acid
Concen: 201.611 ng
RT: 9.710 min Scan# 1126
Delta R.T. -0.165 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

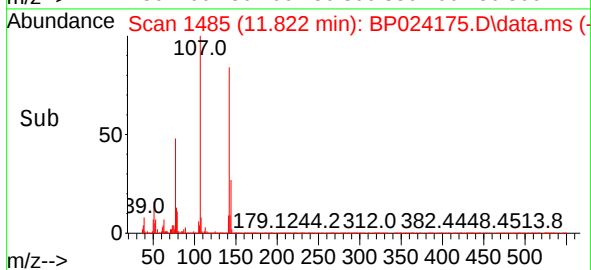
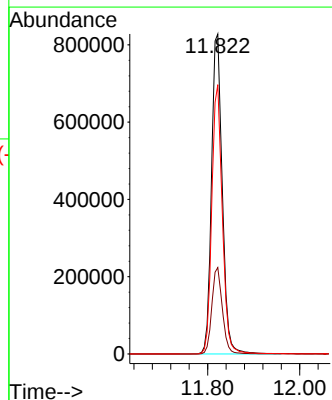
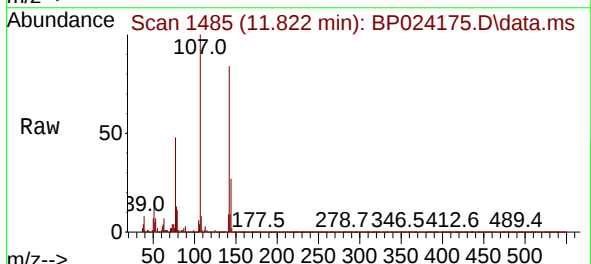
Instrument :
BNA_P
ClientSampleId :
PT-ACIDS-WP

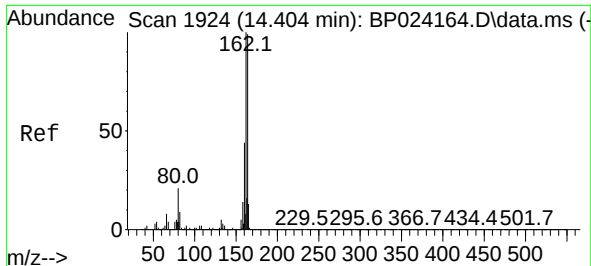
Tgt Ion:122 Resp: 2866370
Ion Ratio Lower Upper
122 100
105 3.5 100.3 140.3#
77 32.9 69.1 109.1#



#36
4-Chloro-3-methylphenol
Concen: 63.231 ng
RT: 11.822 min Scan# 1485
Delta R.T. -0.018 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

Tgt Ion:107 Resp: 1345188
Ion Ratio Lower Upper
107 100
144 27.0 21.6 32.4
142 84.1 65.4 98.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.416 min Scan# 1926

Delta R.T. 0.012 min

Lab File: BP024175.D

Acq: 13 Mar 2025 13:51

Instrument :

BNA_P

ClientSampleId :

PT-ACIDS-WP

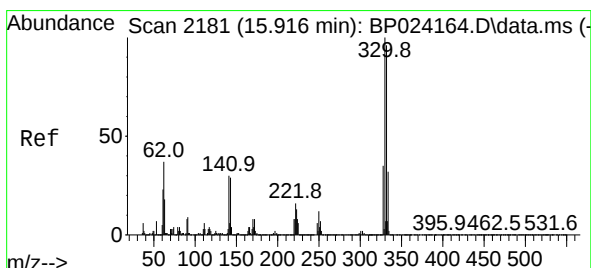
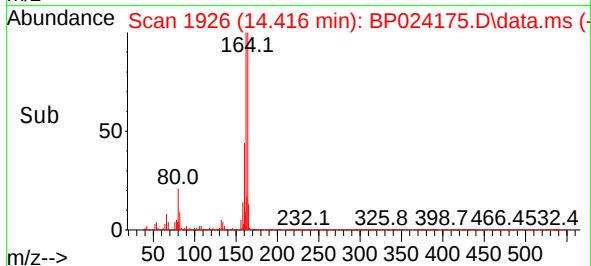
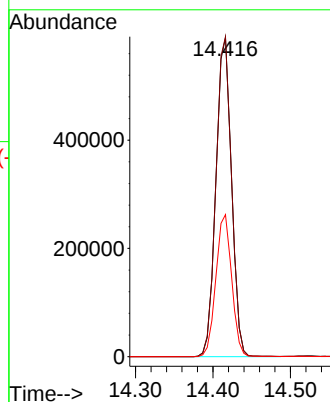
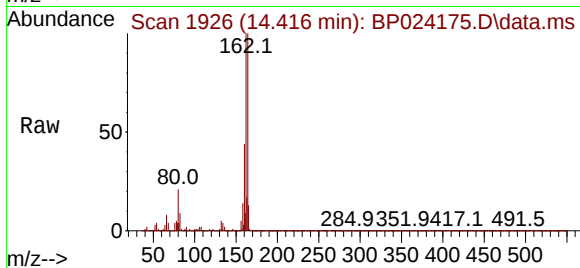
Tgt Ion:164 Resp: 822876

Ion Ratio Lower Upper

164 100

162 100.3 80.6 121.0

160 44.6 35.4 53.2



#42

2,4,6-Tribromophenol

Concen: 150.914 ng

RT: 15.934 min Scan# 2184

Delta R.T. 0.018 min

Lab File: BP024175.D

Acq: 13 Mar 2025 13:51

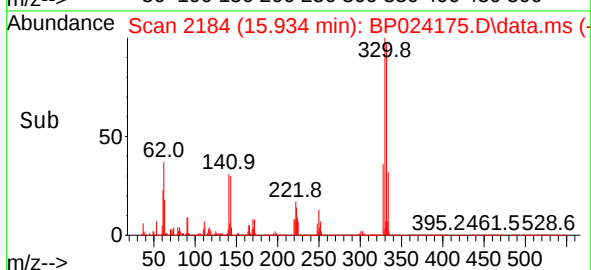
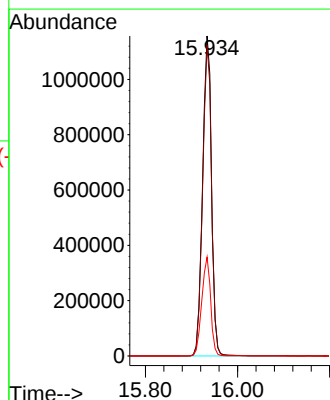
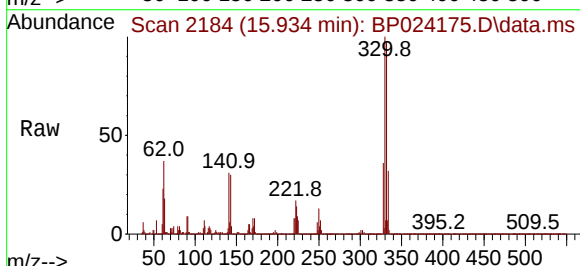
Tgt Ion:330 Resp: 1564249

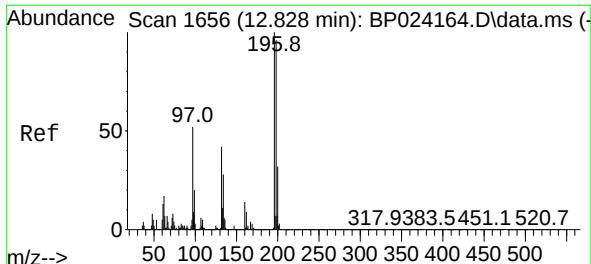
Ion Ratio Lower Upper

330 100

332 96.6 77.6 116.4

141 30.7 25.0 37.6

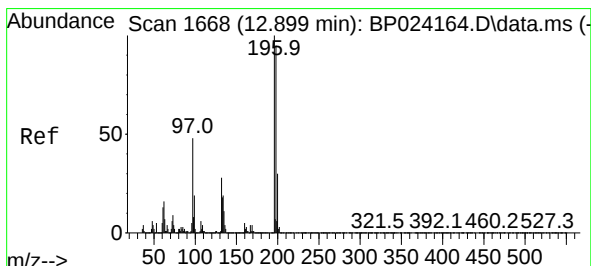
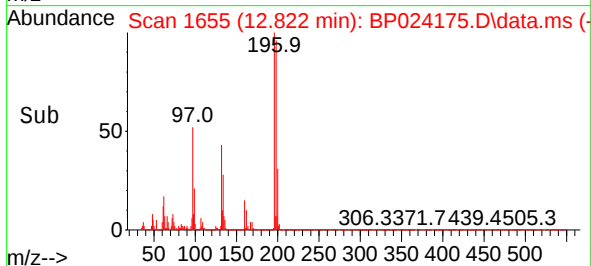
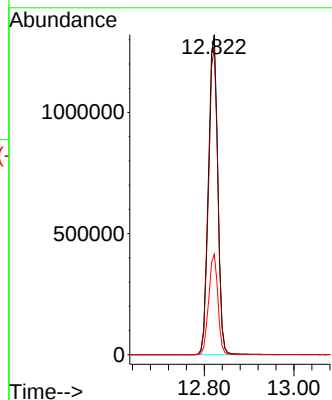
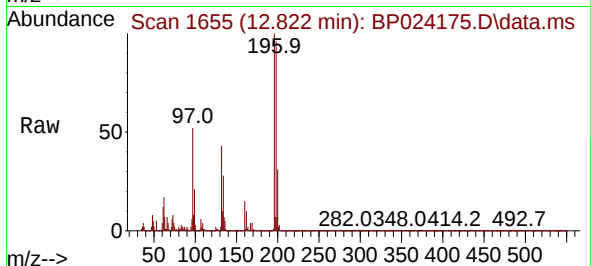




#43
2,4,6-Trichlorophenol
Concen: 126.791 ng
RT: 12.822 min Scan# 1655
Delta R.T. -0.006 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

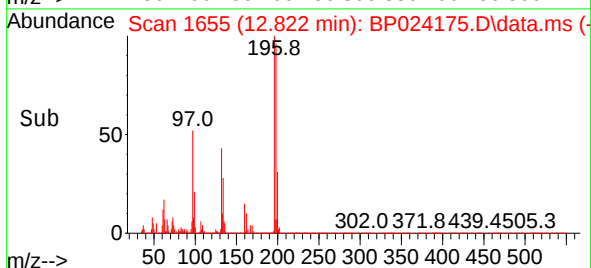
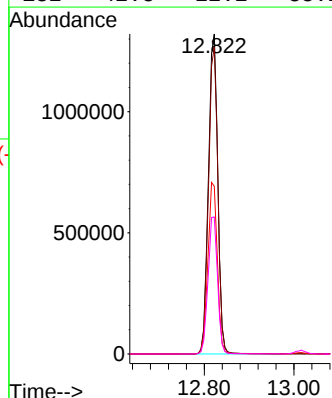
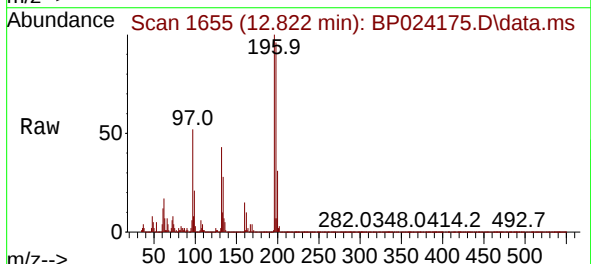
Instrument :
BNA_P
ClientSampleId :
PT-ACIDS-WP

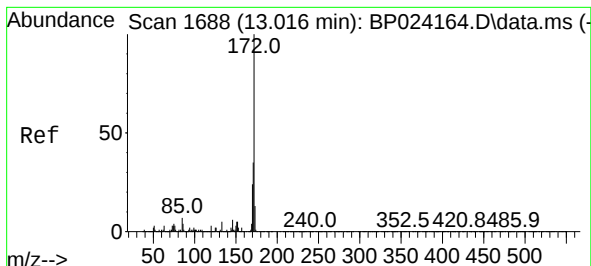
Tgt Ion:196 Resp: 1916696
Ion Ratio Lower Upper
196 100
198 95.9 76.6 115.0
200 31.4 25.4 38.0



#44
2,4,5-Trichlorophenol
Concen: 115.614 ng
RT: 12.822 min Scan# 1655
Delta R.T. -0.076 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

Tgt Ion:196 Resp: 1916696
Ion Ratio Lower Upper
196 100
198 95.9 76.5 114.7
97 52.4 38.7 58.1
132 42.8 22.2 33.2#

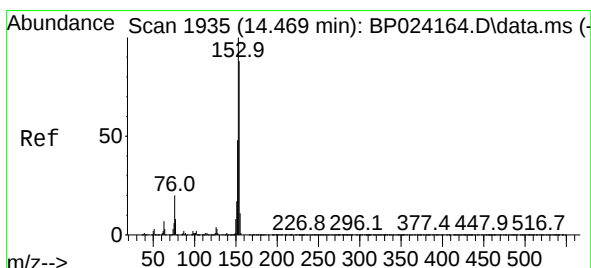
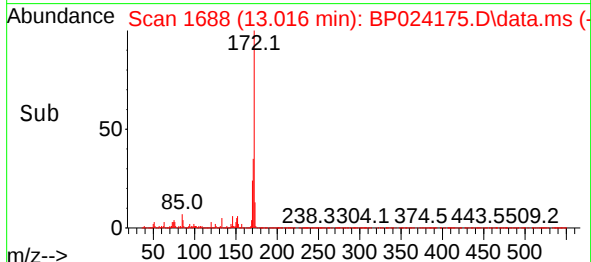
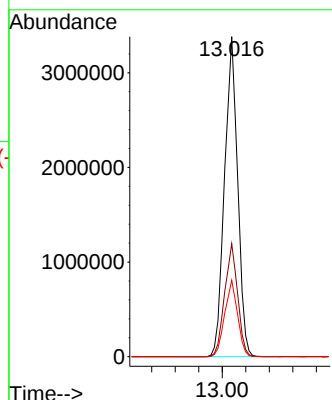
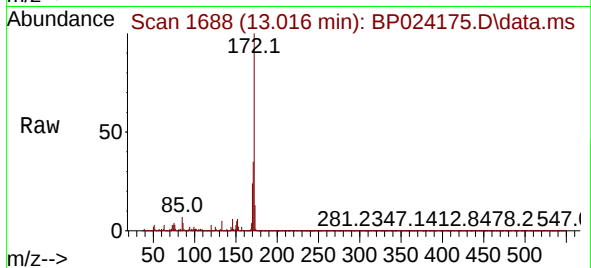




#45
2-Fluorobiphenyl
Concen: 93.813 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

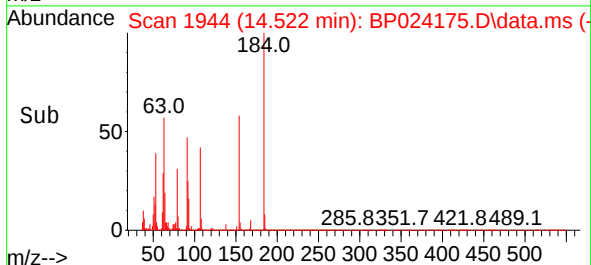
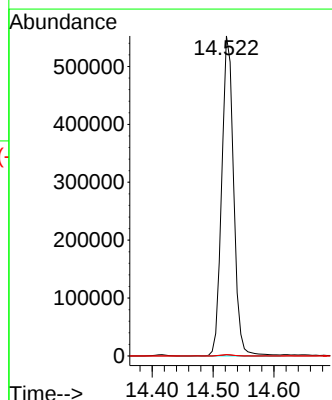
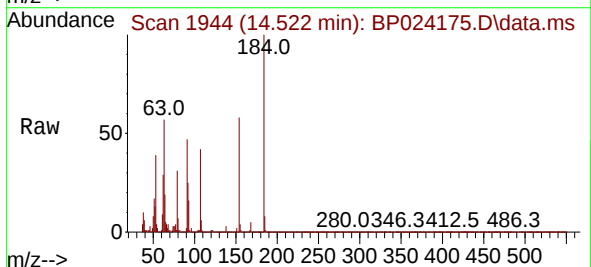
Instrument :
BNA_P
ClientSampleId :
PT-ACIDS-WP

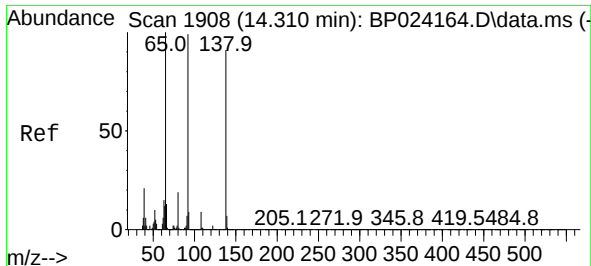
Tgt Ion:172 Resp: 5235368
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.9 19.0 28.4



#52
Acenaphthene
Concen: 16.726 ng
RT: 14.522 min Scan# 1944
Delta R.T. 0.053 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

Tgt Ion:154 Resp: 752107
Ion Ratio Lower Upper
154 100
153 0.4 90.5 135.7#
152 0.4 43.1 64.7#

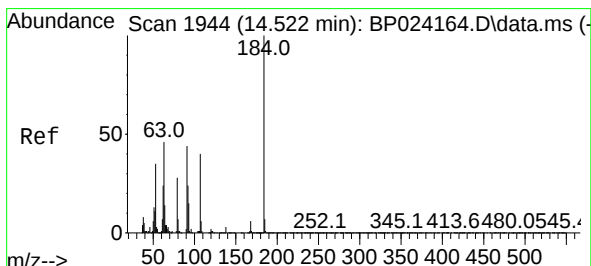
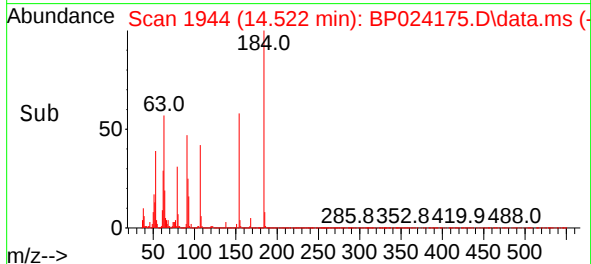
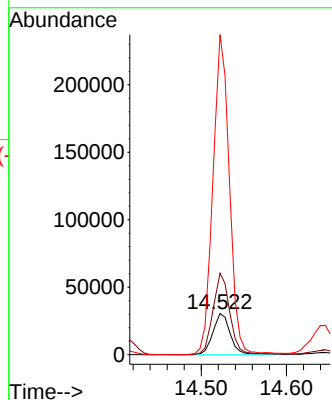
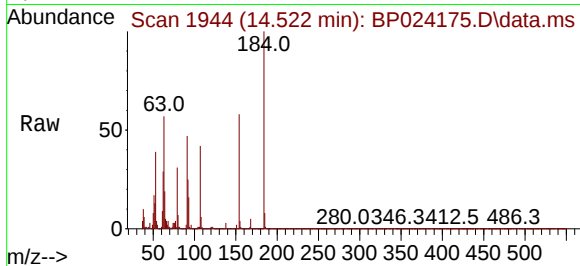




#53
3-Nitroaniline
Concen: 3.292 ng
RT: 14.522 min Scan# 1944
Delta R.T. 0.212 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

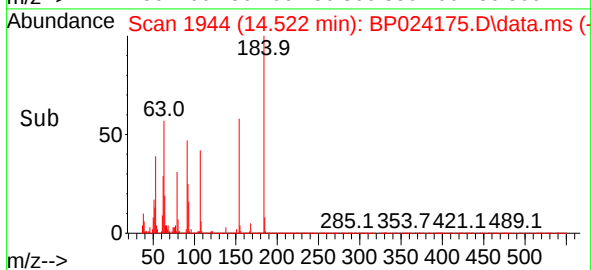
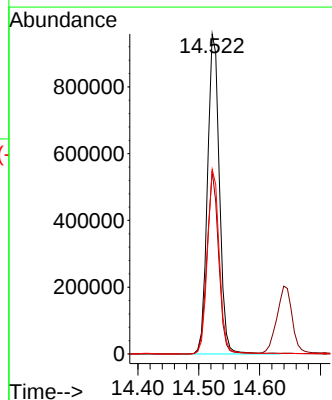
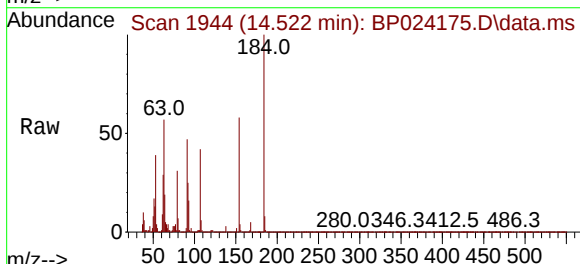
Instrument :
BNA_P
ClientSampleId :
PT-ACIDS-WP

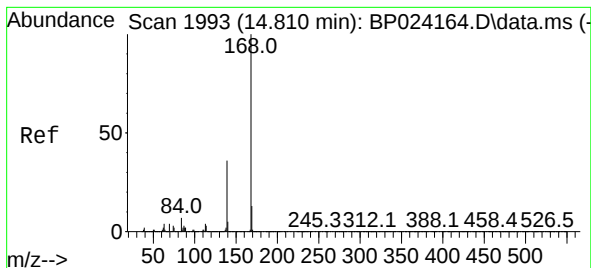
Tgt Ion:138 Resp: 43072
Ion Ratio Lower Upper
138 100
108 197.9 8.2 12.2#
92 777.3 86.7 130.1#



#54
2,4-Dinitrophenol
Concen: 203.475 ng
RT: 14.522 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

Tgt Ion:184 Resp: 1304329
Ion Ratio Lower Upper
184 100
63 57.2 42.1 63.1
154 57.7 44.6 67.0





#55

Dibenzofuran

Concen: 3.460 ng

RT: 15.051 min Scan# 2034

Delta R.T. 0.241 min

Lab File: BP024175.D

Acq: 13 Mar 2025 13:51

Instrument :

BNA_P

ClientSampleId :

PT-ACIDS-WP

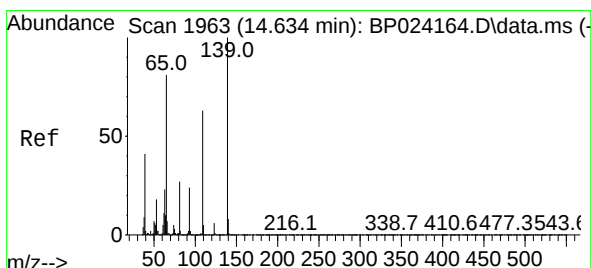
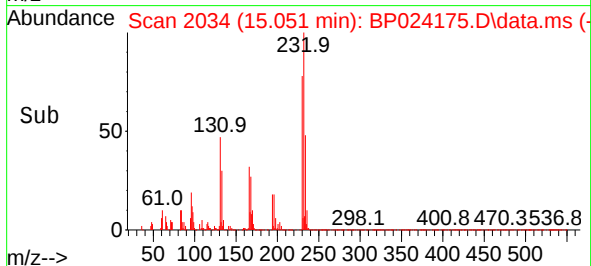
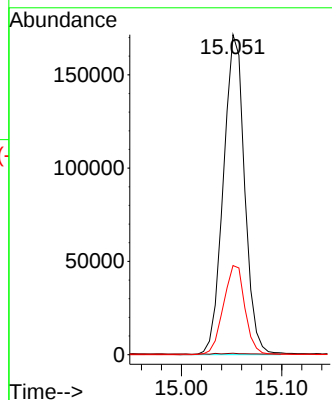
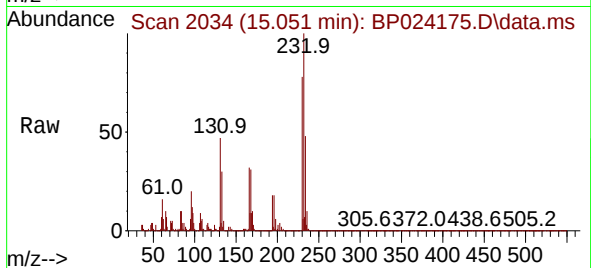
Tgt Ion:168 Resp: 252042

Ion Ratio Lower Upper

168 100

139 0.5 29.1 43.7#

169 27.9 10.8 16.2#



#56

4-Nitrophenol

Concen: 136.357 ng

RT: 14.646 min Scan# 1965

Delta R.T. 0.012 min

Lab File: BP024175.D

Acq: 13 Mar 2025 13:51

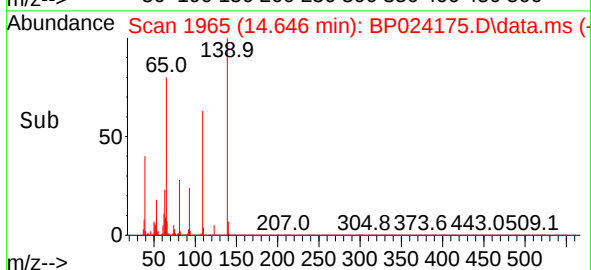
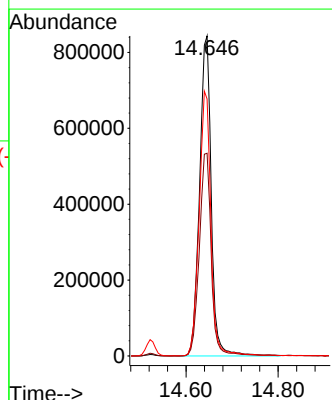
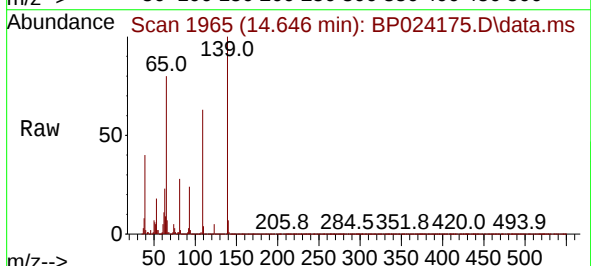
Tgt Ion:139 Resp: 1490824

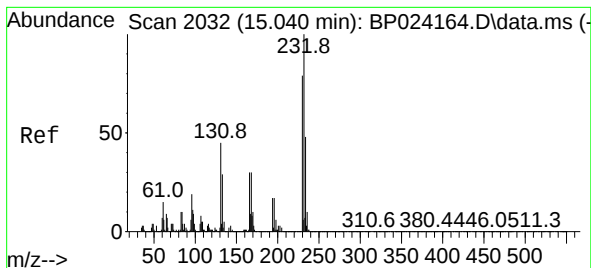
Ion Ratio Lower Upper

139 100

109 63.3 43.3 83.3

65 80.3 61.2 101.2





#59

2,3,4,6-Tetrachlorophenol

Concen: 57.365 ng

RT: 15.051 min Scan# 2032

Delta R.T. 0.012 min

Lab File: BP024175.D

Acq: 13 Mar 2025 13:51

Instrument :

BNA_P

ClientSampleId :

PT-ACIDS-WP

Tgt Ion:232 Resp: 840235

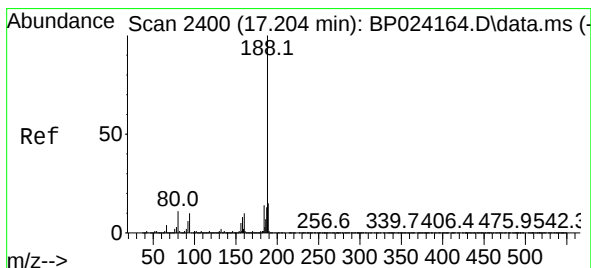
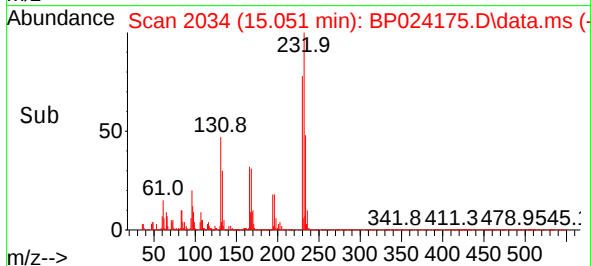
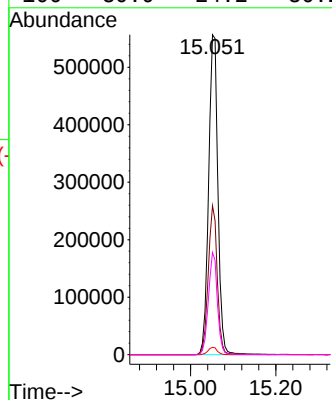
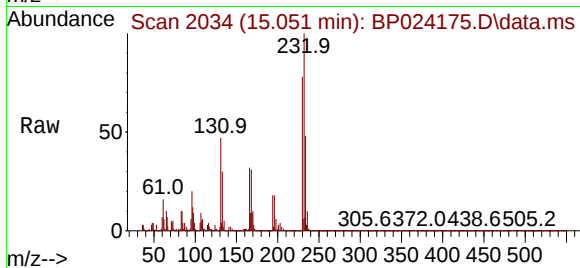
Ion Ratio Lower Upper

232 100

131 45.4 35.9 53.9

130 2.3 1.8 2.6

166 30.9 24.2 36.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.222 min Scan# 2403

Delta R.T. 0.018 min

Lab File: BP024175.D

Acq: 13 Mar 2025 13:51

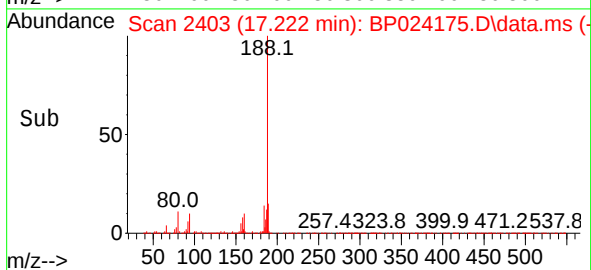
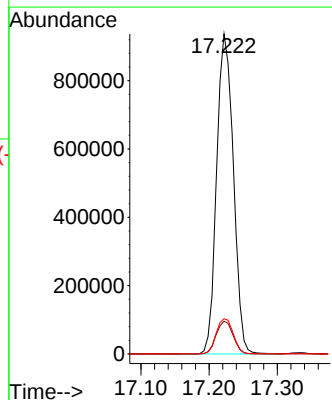
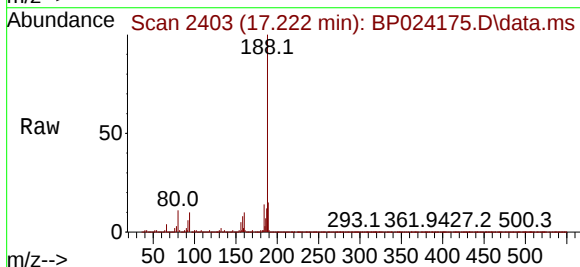
Tgt Ion:188 Resp: 1600351

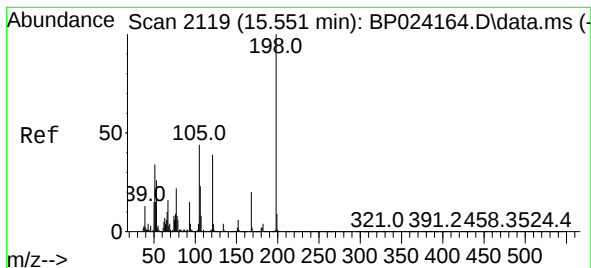
Ion Ratio Lower Upper

188 100

94 10.3 8.1 12.1

80 11.0 8.9 13.3

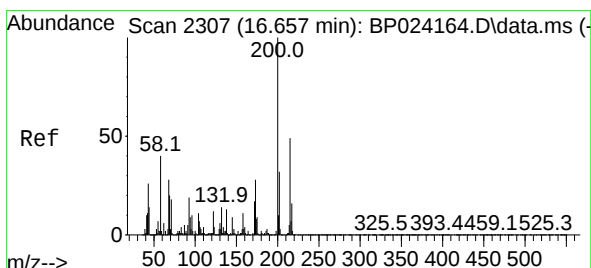
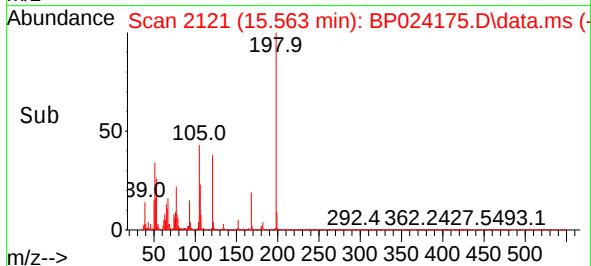
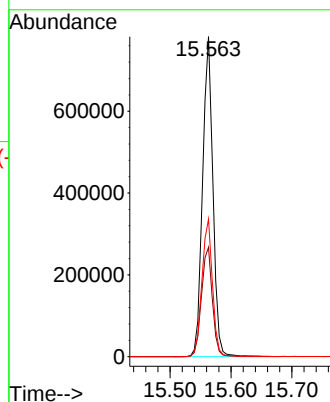
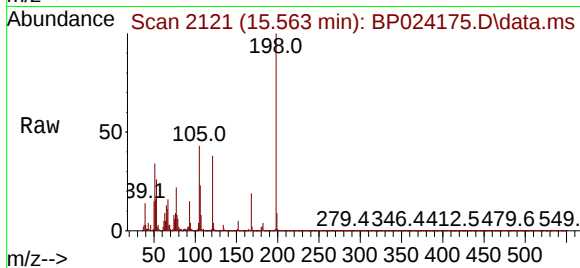




#65
4,6-Dinitro-2-methylphenol
Concen: 96.912 ng
RT: 15.563 min Scan# 2119
Delta R.T. 0.012 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

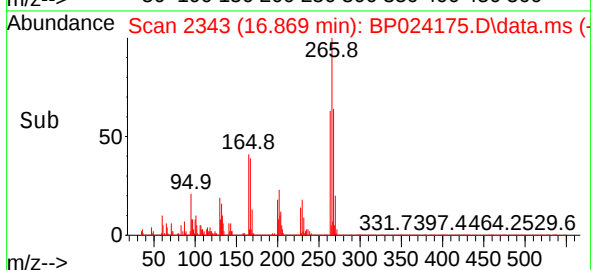
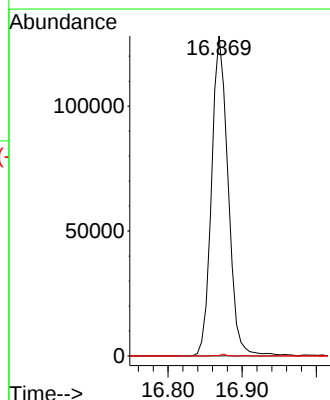
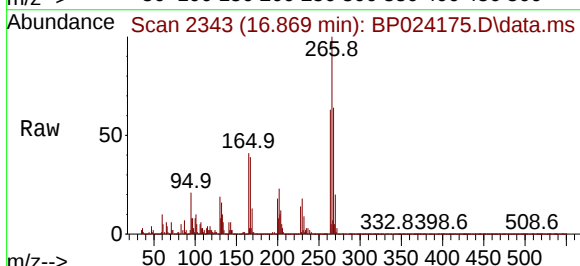
Instrument :
BNA_P
ClientSampleId :
PT-ACIDS-WP

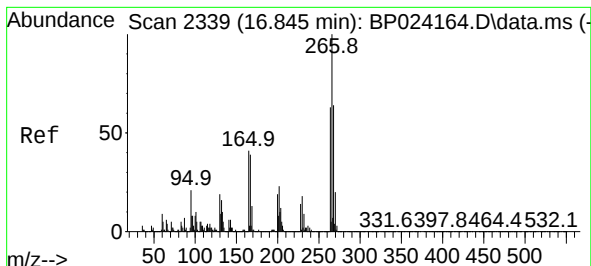
Tgt Ion:198 Resp: 920727
Ion Ratio Lower Upper
198 100
51 34.2 14.7 54.7
105 43.0 23.8 63.8



#69
Atrazine
Concen: 16.938 ng
RT: 16.869 min Scan# 2343
Delta R.T. 0.212 min
Lab File: BP024175.D
Acq: 13 Mar 2025 13:51

Tgt Ion:200 Resp: 198685
Ion Ratio Lower Upper
200 100
173 0.0 7.6 47.6#
215 0.1 29.0 69.0#





#70

Pentachlorophenol

Concen: 82.513 ng

RT: 16.869 min Scan# 24

Delta R.T. 0.024 min

Lab File: BP024175.D

Acq: 13 Mar 2025 13:51

Instrument :

BNA_P

ClientSampleId :

PT-ACIDS-WP

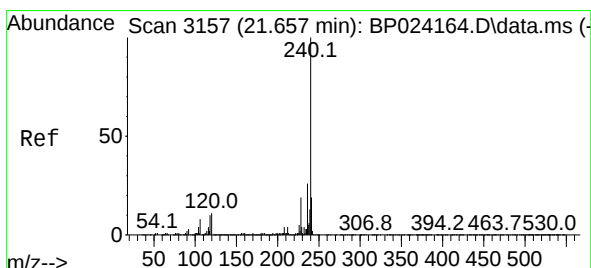
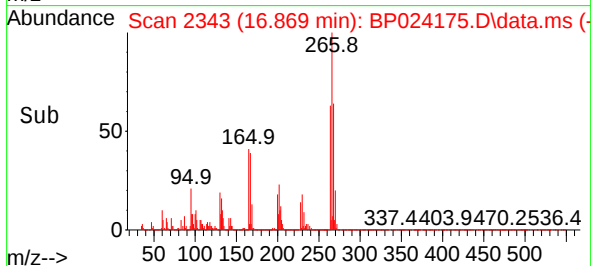
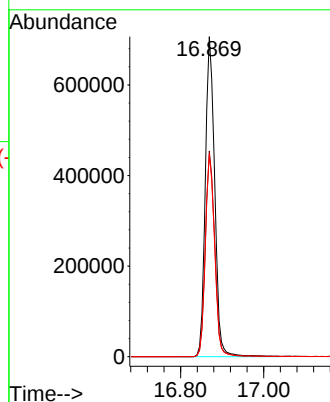
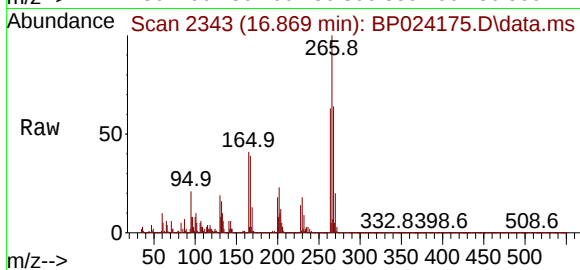
Tgt Ion:266 Resp: 1109698

Ion Ratio Lower Upper

266 100

268 64.3 51.3 76.9

264 63.4 50.6 76.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.698 min Scan# 3164

Delta R.T. 0.041 min

Lab File: BP024175.D

Acq: 13 Mar 2025 13:51

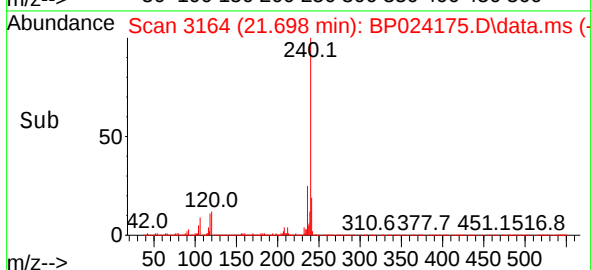
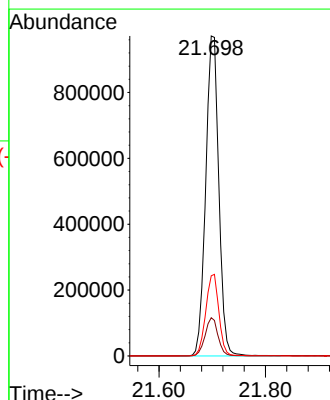
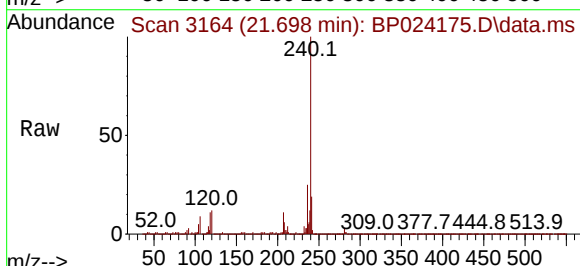
Tgt Ion:240 Resp: 1655513

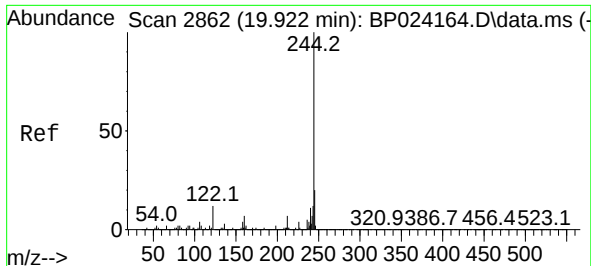
Ion Ratio Lower Upper

240 100

120 12.0 9.2 13.8

236 25.1 20.4 30.6

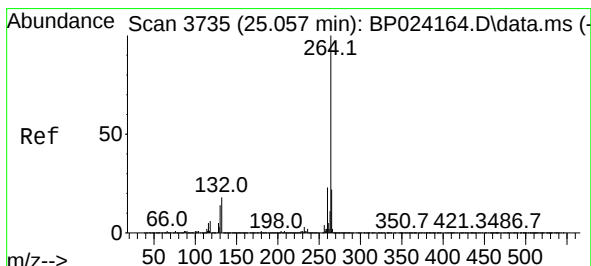
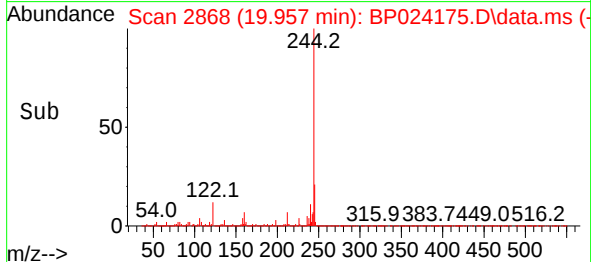
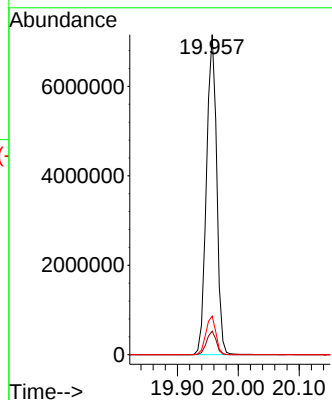
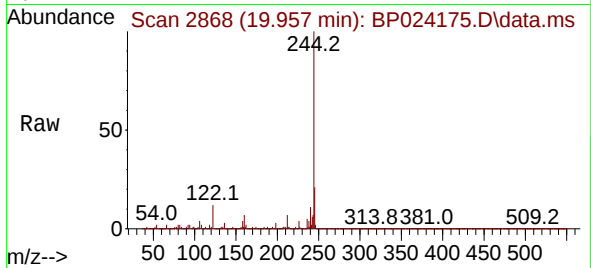




#79
 Terphenyl-d14
 Concen: 104.190 ng
 RT: 19.957 min Scan# 21
 Delta R.T. 0.035 min
 Lab File: BP024175.D
 Acq: 13 Mar 2025 13:51

Instrument :
 BNA_P
 ClientSampleId :
 PT-ACIDS-WP

Tgt Ion:244 Resp: 8356039
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.7 8.5
 122 12.1 9.6 14.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.121 min Scan# 3746
 Delta R.T. 0.065 min
 Lab File: BP024175.D
 Acq: 13 Mar 2025 13:51

Tgt Ion:264 Resp: 1860601
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.5 27.7
 265 21.9 17.7 26.5

