

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031325\
 Data File : BP024176.D
 Acq On : 13 Mar 2025 15:48
 Operator : RC/JU
 Sample : Q1502-06DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PT-ACIDS-WPDL

Quant Time: Mar 13 16:13:22 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)

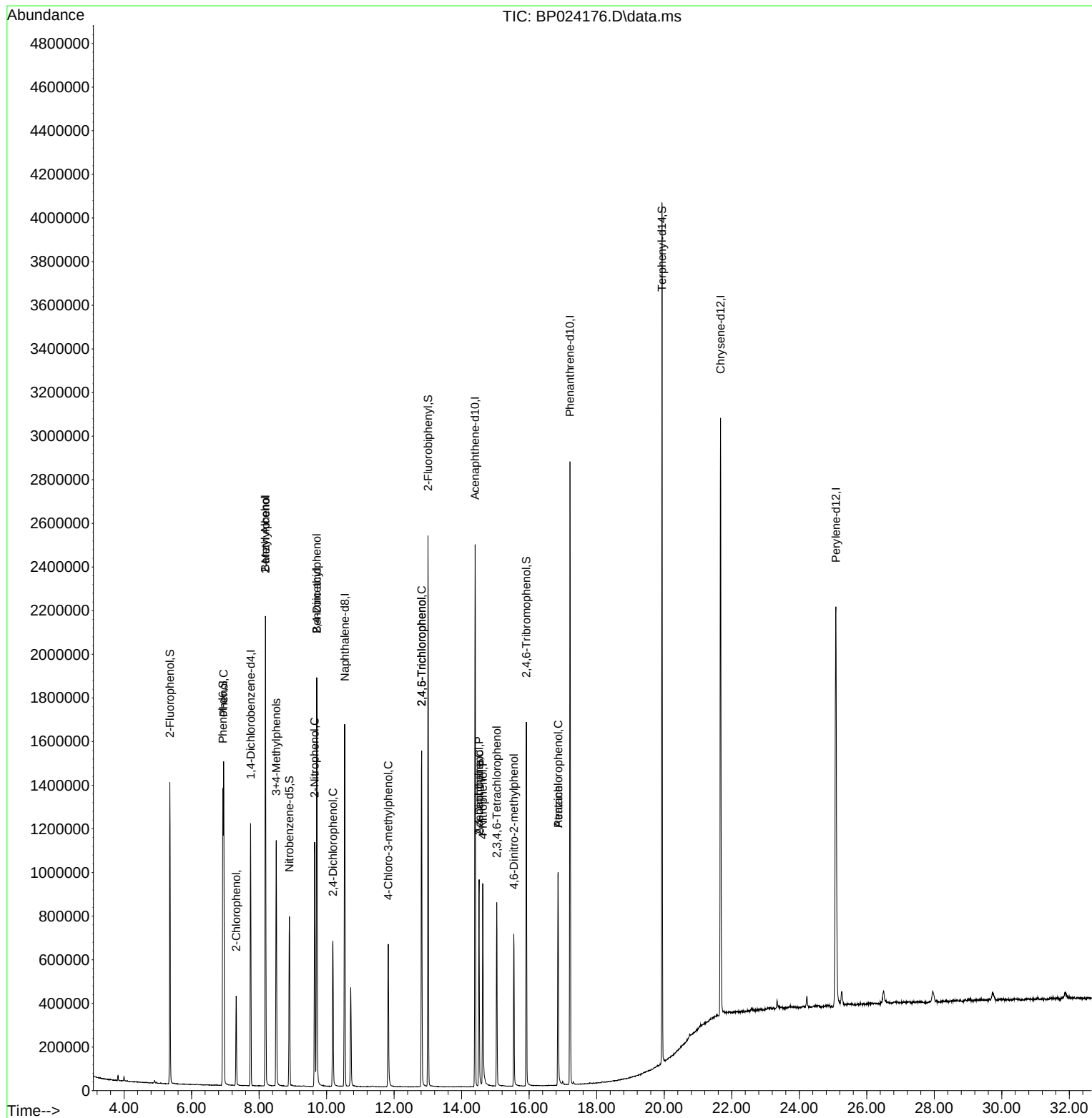
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.752	152	333252	20.000	ng	-0.02
21) Naphthalene-d8	10.540	136	1381029	20.000	ng	-0.01
39) Acenaphthene-d10	14.398	164	845510	20.000	ng	0.00
64) Phenanthrene-d10	17.210	188	1630079	20.000	ng	0.00
76) Chrysene-d12	21.669	240	1669058	20.000	ng	0.01
86) Perylene-d12	25.086	264	1840328	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	622174	29.802	ng	-0.02
7) Phenol-d6	6.928	99	827403	29.637	ng	-0.02
23) Nitrobenzene-d5	8.899	82	484698	19.802	ng	-0.02
42) 2,4,6-Tribromophenol	15.916	330	306659	28.794	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	1185484	20.674	ng	-0.01
79) Terphenyl-d14	19.933	244	1827756	22.605	ng	0.01
Target Compounds						Qvalue
8) 2-Chlorophenol	7.322	128	178656	7.923	ng	99
10) Phenol	6.952	94	837578	29.719	ng	100
15) Benzyl Alcohol	8.187	79	282810	16.001	ng	# 1
17) 2-Methylphenol	8.193	107	685521	38.789	ng	99
20) 3+4-Methylphenols	8.510	107	551986	22.734	ng	91
26) 2-Nitrophenol	9.646	139	393632	34.128	ng	98
27) 2,4-Dimethylphenol	9.710	122	611752	41.247	ng	98
29) 2,4-Dichlorophenol	10.187	162	268731	13.394	ng	99
32) Benzoic acid	9.710	122	611752	42.293	ng	# 14
36) 4-Chloro-3-methylphenol	11.828	107	266244	12.301	ng	97
43) 2,4,6-Trichlorophenol	12.816	196	392630	25.277	ng	99
44) 2,4,5-Trichlorophenol	12.816	196	392630	23.049	ng	# 91
52) Acenaphthene	14.516	154	119462	2.586	ng	# 5
54) 2,4-Dinitrophenol	14.516	184	204675	31.075	ng	97
56) 4-Nitrophenol	14.628	139	290976	25.901	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.040	232	164836	10.953	ng	99
65) 4,6-Dinitro-2-methylph...	15.545	198	146285	15.117	ng	95
69) Atrazine	16.857	200	35788	2.995	ng	# 35
70) Pentachlorophenol	16.857	266	202265	14.765	ng	99

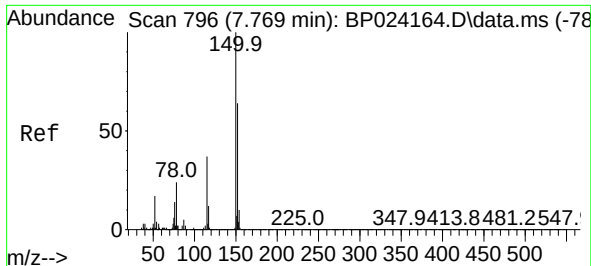
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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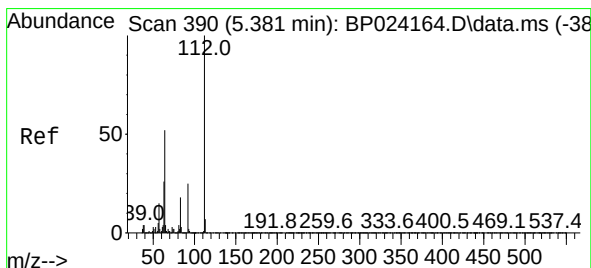
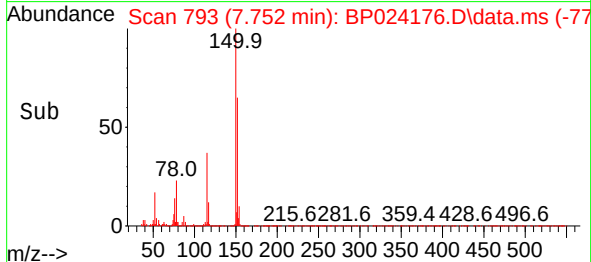
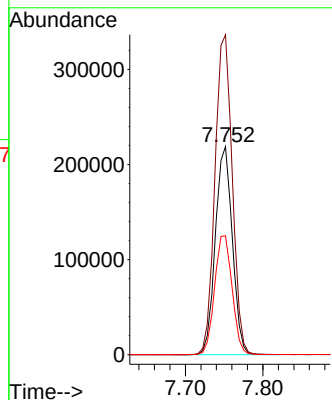
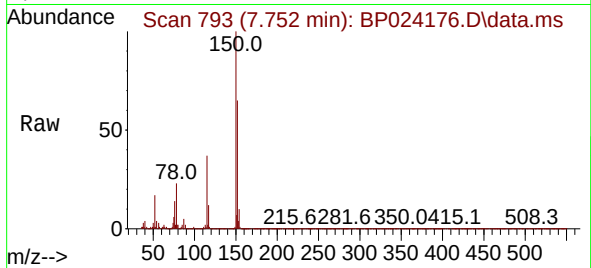




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.752 min Scan# 70
Delta R.T. -0.017 min
Lab File: BP024176.D
Acq: 13 Mar 2025 15:48

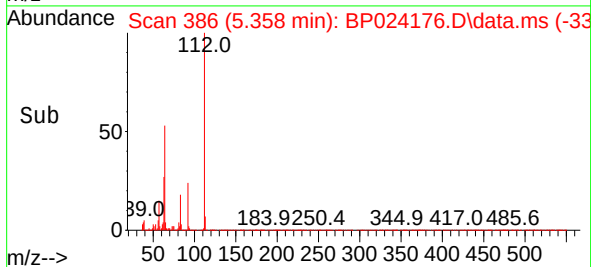
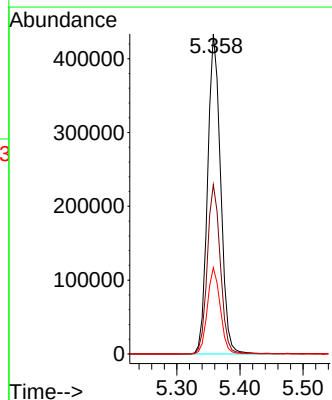
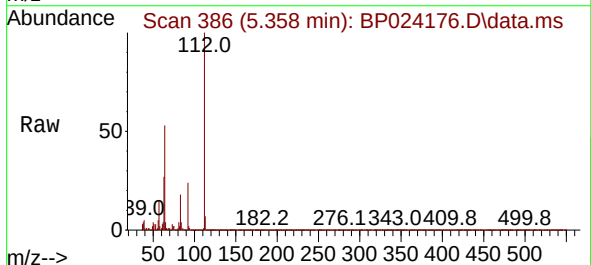
Instrument :
BNA_P
ClientSampleId :
PT-ACIDS-WPDL

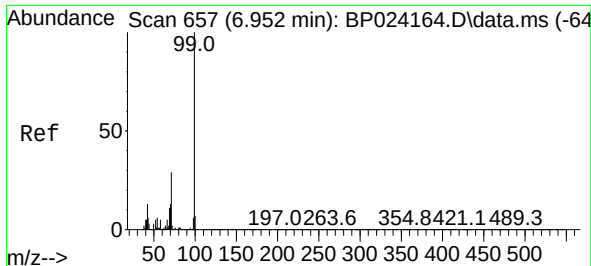
Tgt Ion:152 Resp: 333252
Ion Ratio Lower Upper
152 100
150 153.8 125.5 188.3
115 57.2 46.3 69.5



#5
2-Fluorophenol
Concen: 29.802 ng
RT: 5.358 min Scan# 386
Delta R.T. -0.024 min
Lab File: BP024176.D
Acq: 13 Mar 2025 15:48

Tgt Ion:112 Resp: 622174
Ion Ratio Lower Upper
112 100
64 52.9 41.3 61.9
63 27.0 20.6 31.0

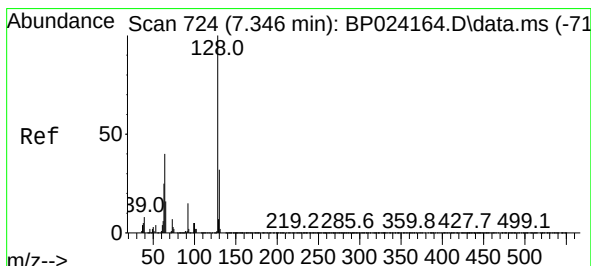
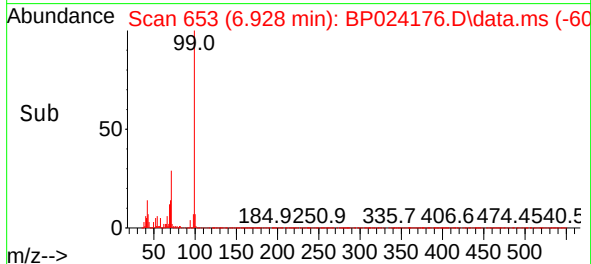
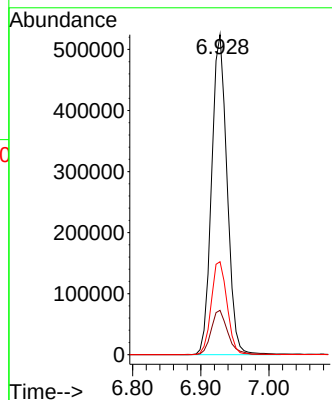
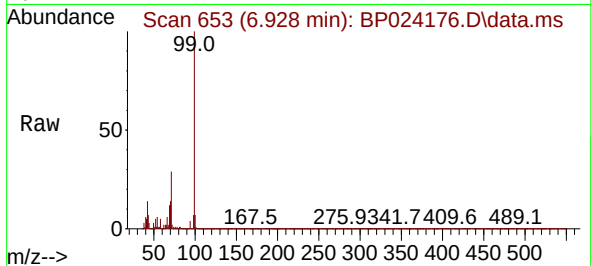




#7
Phenol-d6
Concen: 29.637 ng
RT: 6.928 min Scan# 60
Delta R.T. -0.024 min
Lab File: BP024176.D
Acq: 13 Mar 2025 15:48

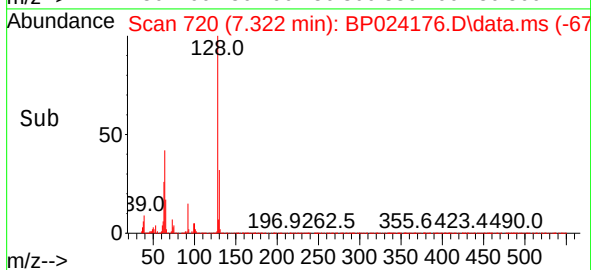
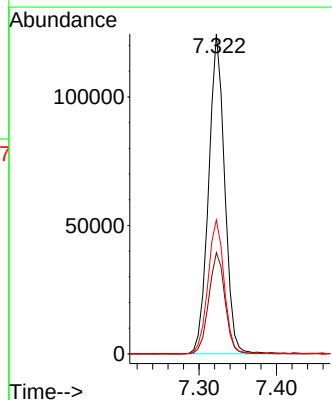
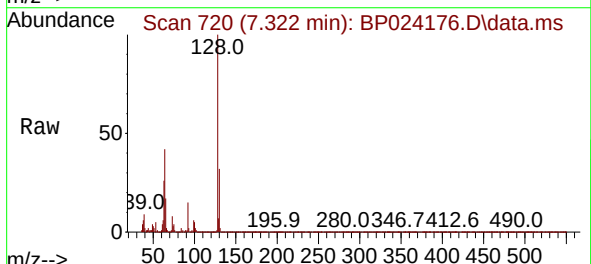
Instrument :
BNA_P
ClientSampleId :
PT-ACIDS-WPDL

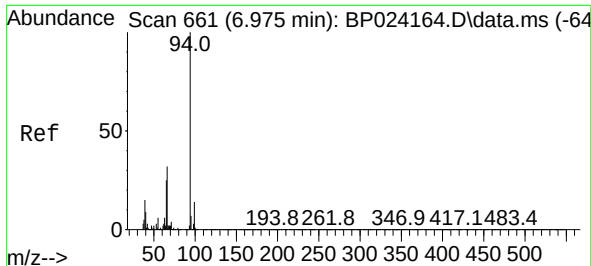
Tgt Ion: 99 Resp: 827403
Ion Ratio Lower Upper
99 100
42 13.9 10.6 16.0
71 29.0 23.3 34.9



#8
2-Chlorophenol
Concen: 7.923 ng
RT: 7.322 min Scan# 720
Delta R.T. -0.024 min
Lab File: BP024176.D
Acq: 13 Mar 2025 15:48

Tgt Ion:128 Resp: 178656
Ion Ratio Lower Upper
128 100
130 31.7 12.0 52.0
64 41.9 21.6 61.6

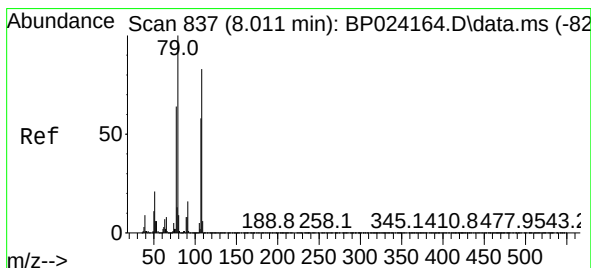
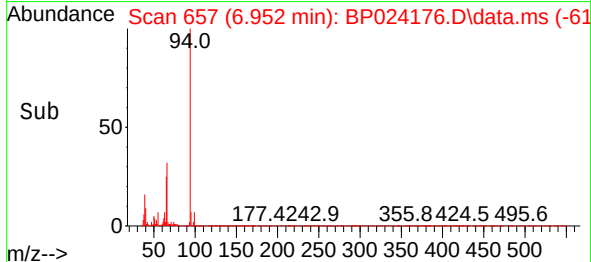
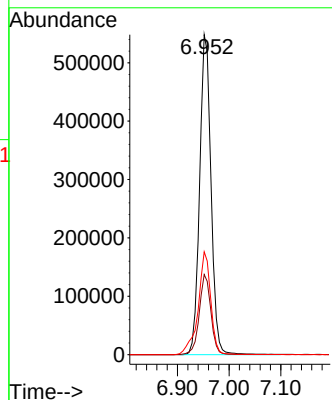
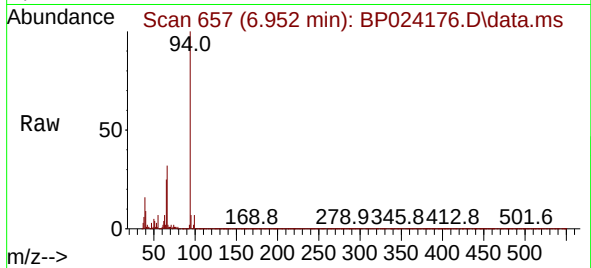




#10
Phenol
Concen: 29.719 ng
RT: 6.952 min Scan# 61
Delta R.T. -0.024 min
Lab File: BP024176.D
Acq: 13 Mar 2025 15:48

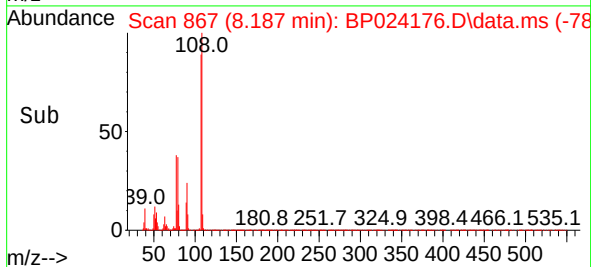
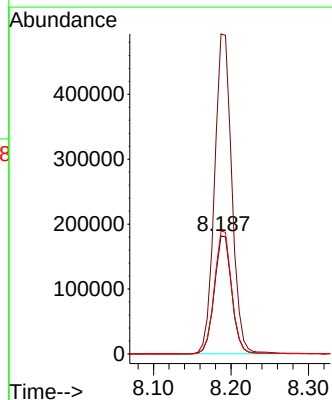
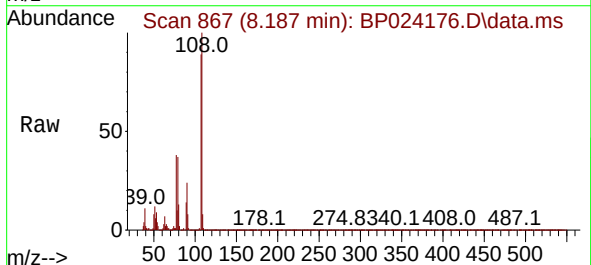
Instrument :
BNA_P
ClientSampleId :
PT-ACIDS-WPDL

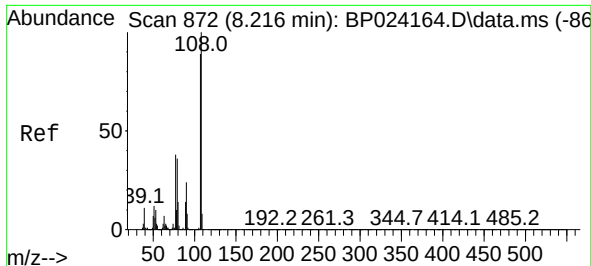
Tgt Ion: 94 Resp: 837578
Ion Ratio Lower Upper
94 100
65 25.0 4.9 44.9
66 32.2 11.9 51.9



#15
Benzyl Alcohol
Concen: 16.001 ng
RT: 8.187 min Scan# 867
Delta R.T. 0.176 min
Lab File: BP024176.D
Acq: 13 Mar 2025 15:48

Tgt Ion: 79 Resp: 282810
Ion Ratio Lower Upper
79 100
108 271.0 66.5 99.7#
77 104.0 50.9 76.3#

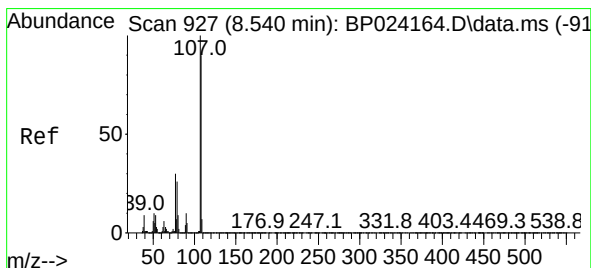
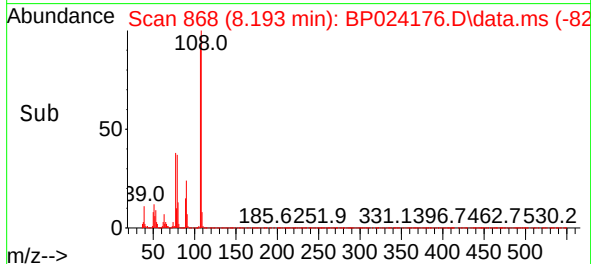
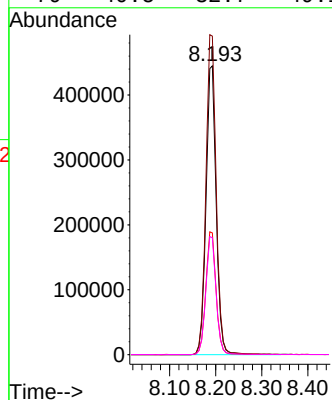
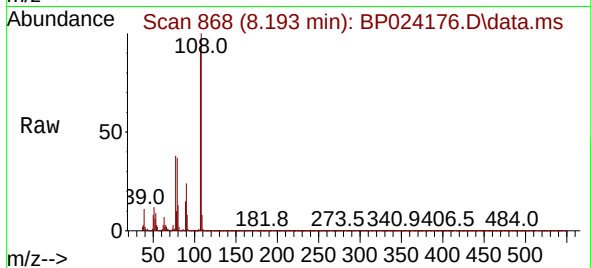




#17
2-Methylphenol
Concen: 38.789 ng
RT: 8.193 min Scan# 80
Delta R.T. -0.024 min
Lab File: BP024176.D
Acq: 13 Mar 2025 15:48

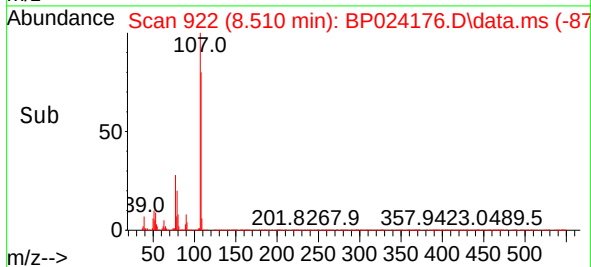
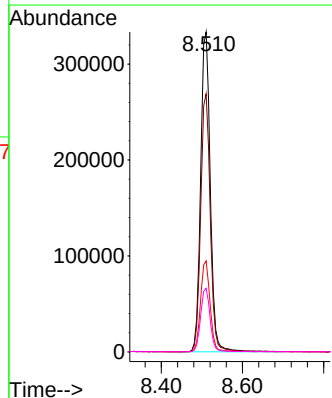
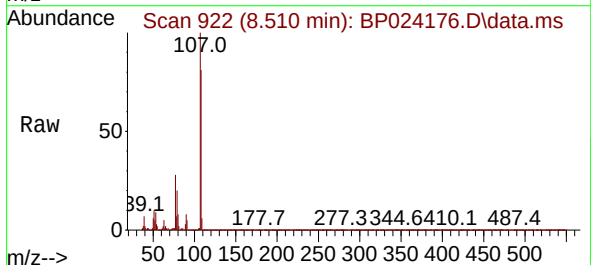
Instrument :
BNA_P
ClientSampleId :
PT-ACIDS-WPDL

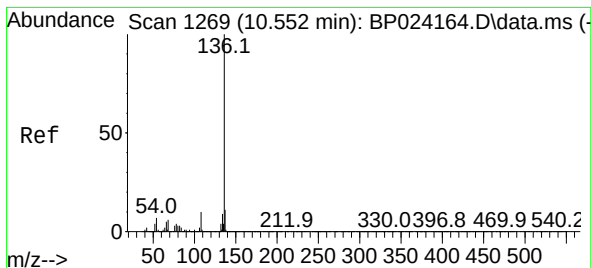
Tgt Ion:107 Resp: 685521
Ion Ratio Lower Upper
107 100
108 110.3 90.0 135.0
77 42.2 34.0 51.0
79 40.5 32.7 49.1



#20
3+4-Methylphenols
Concen: 22.734 ng
RT: 8.510 min Scan# 922
Delta R.T. -0.029 min
Lab File: BP024176.D
Acq: 13 Mar 2025 15:48

Tgt Ion:107 Resp: 551986
Ion Ratio Lower Upper
107 100
108 80.6 69.7 109.7
77 28.4 10.3 50.3
79 19.9 6.1 46.1

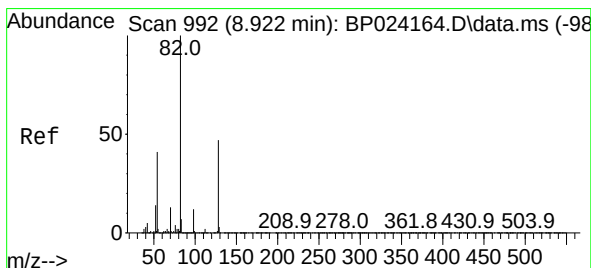
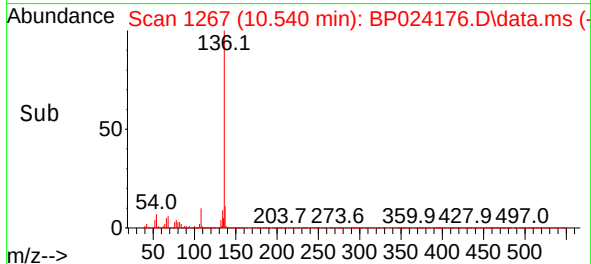
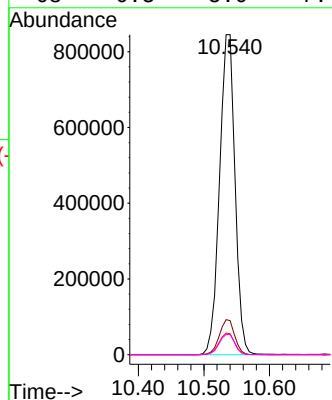
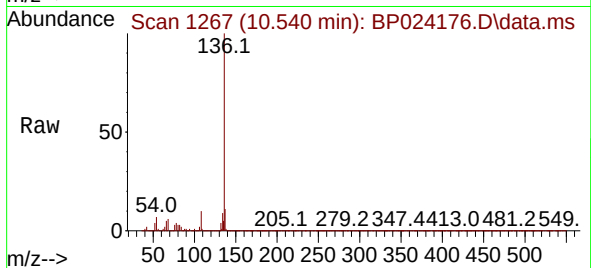




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BP024176.D
Acq: 13 Mar 2025 15:48

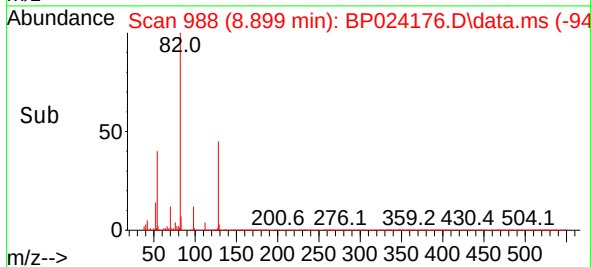
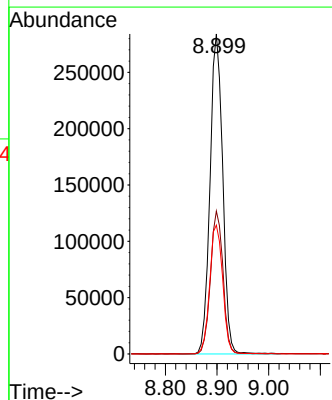
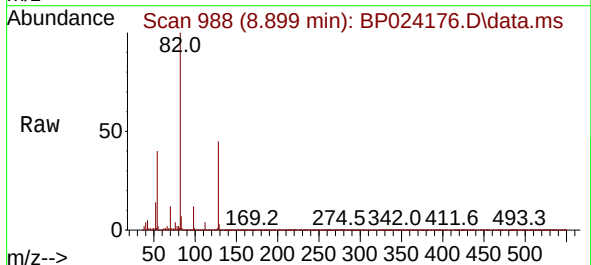
Instrument :
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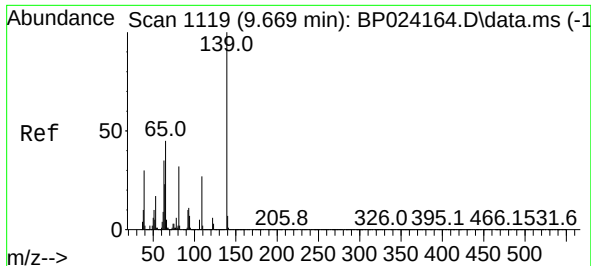
Tgt Ion:136 Resp: 1381029
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 6.6 5.3 7.9
68 6.3 5.0 7.4



#23
Nitrobenzene-d5
Concen: 19.802 ng
RT: 8.899 min Scan# 988
Delta R.T. -0.024 min
Lab File: BP024176.D
Acq: 13 Mar 2025 15:48

Tgt Ion: 82 Resp: 484698
Ion Ratio Lower Upper
82 100
128 44.6 37.4 56.0
54 40.2 32.5 48.7





#26

2-Nitrophenol

Concen: 34.128 ng

RT: 9.646 min Scan# 1119

Delta R.T. -0.024 min

Lab File: BP024176.D

Acq: 13 Mar 2025 15:48

Instrument :

BNA_P

ClientSampleId :

PT-ACIDS-WPDL

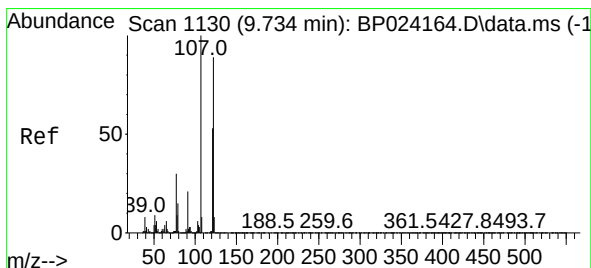
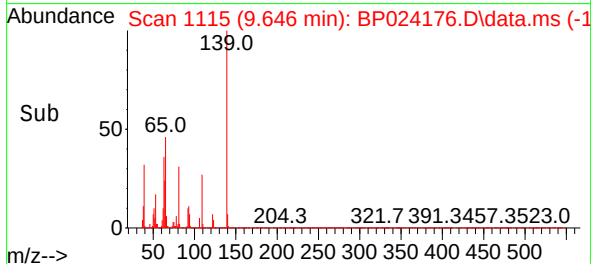
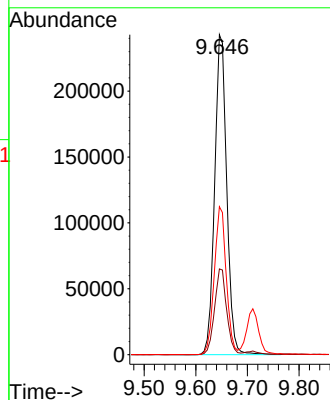
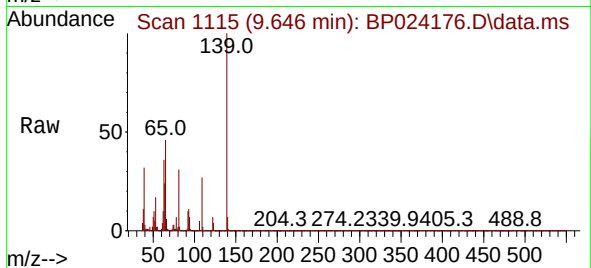
Tgt Ion:139 Resp: 393632

Ion Ratio Lower Upper

139 100

109 26.8 21.7 32.5

65 46.3 35.8 53.8



#27

2,4-Dimethylphenol

Concen: 41.247 ng

RT: 9.710 min Scan# 1126

Delta R.T. -0.024 min

Lab File: BP024176.D

Acq: 13 Mar 2025 15:48

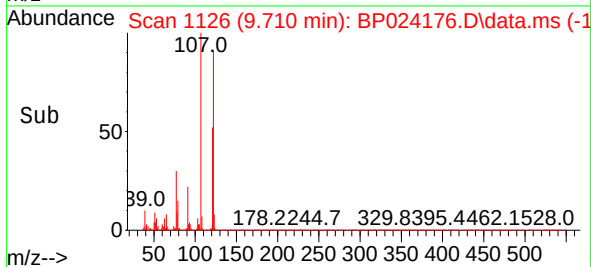
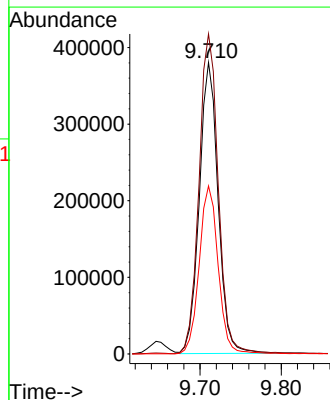
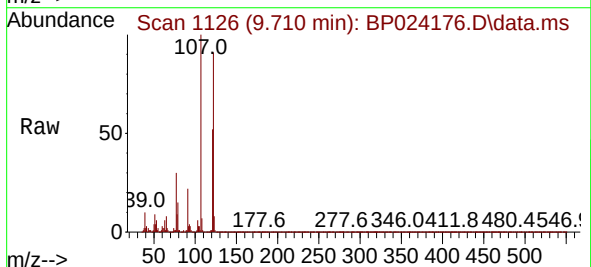
Tgt Ion:122 Resp: 611752

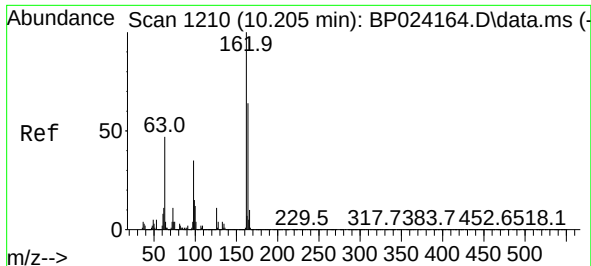
Ion Ratio Lower Upper

122 100

107 109.8 89.3 133.9

121 57.6 47.5 71.3





#29

2,4-Dichlorophenol

Concen: 13.394 ng

RT: 10.187 min Scan# 1126

Delta R.T. -0.018 min

Lab File: BP024176.D

Acq: 13 Mar 2025 15:48

Instrument :

BNA_P

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PT-ACIDS-WPDL

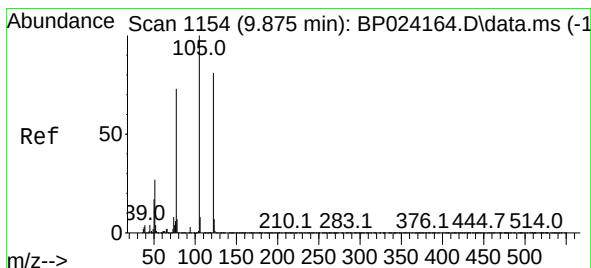
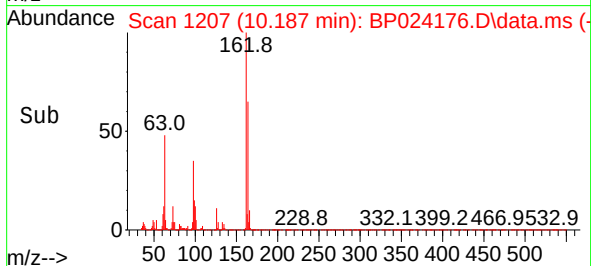
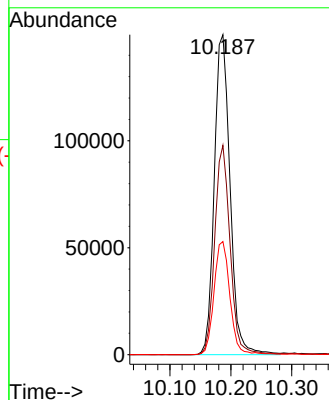
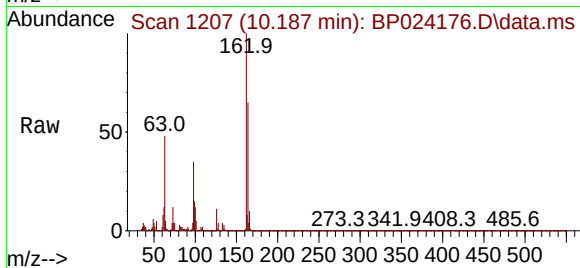
Tgt Ion:162 Resp: 268731

Ion Ratio Lower Upper

162 100

164 65.4 44.2 84.2

98 35.3 15.1 55.1



#32

Benzoic acid

Concen: 42.293 ng

RT: 9.710 min Scan# 1126

Delta R.T. -0.165 min

Lab File: BP024176.D

Acq: 13 Mar 2025 15:48

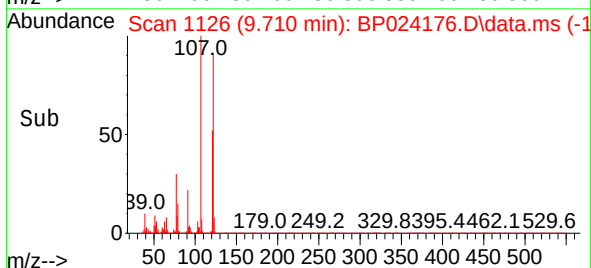
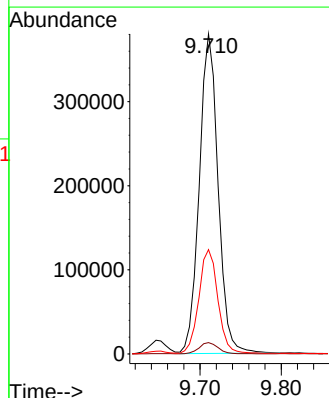
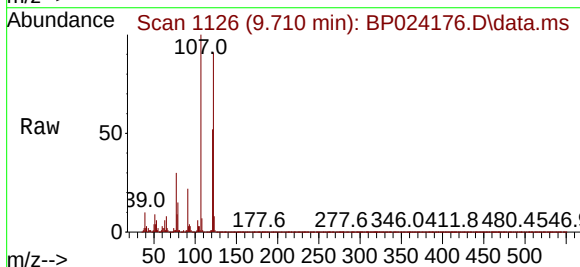
Tgt Ion:122 Resp: 611752

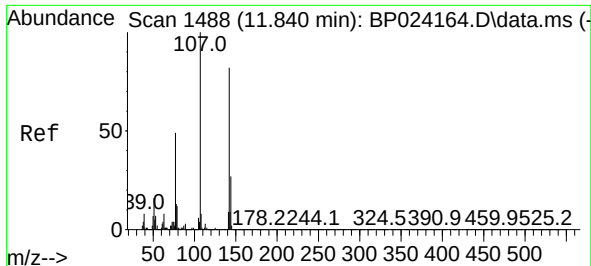
Ion Ratio Lower Upper

122 100

105 3.6 100.3 140.3#

77 32.6 69.1 109.1#





#36

4-Chloro-3-methylphenol

Concen: 12.301 ng

RT: 11.828 min Scan# 1486

Delta R.T. -0.012 min

Lab File: BP024176.D

Acq: 13 Mar 2025 15:48

Instrument :

BNA_P

ClientSampleId :

PT-ACIDS-WPDL

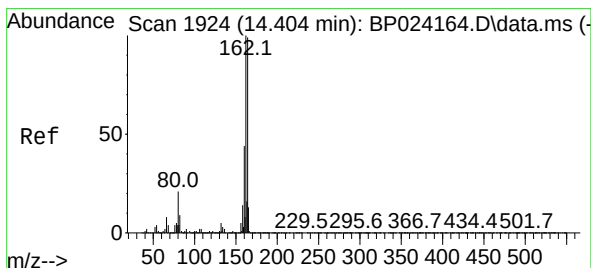
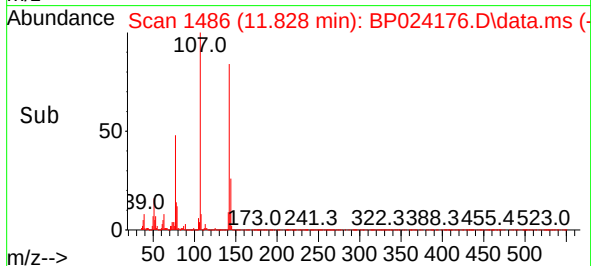
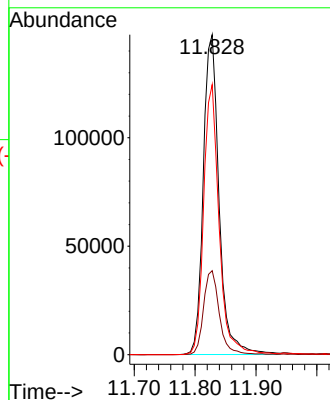
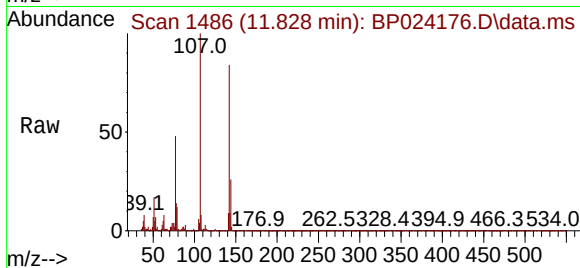
Tgt Ion:107 Resp: 266244

Ion Ratio Lower Upper

107 100

144 26.3 21.6 32.4

142 84.4 65.4 98.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.398 min Scan# 1923

Delta R.T. -0.006 min

Lab File: BP024176.D

Acq: 13 Mar 2025 15:48

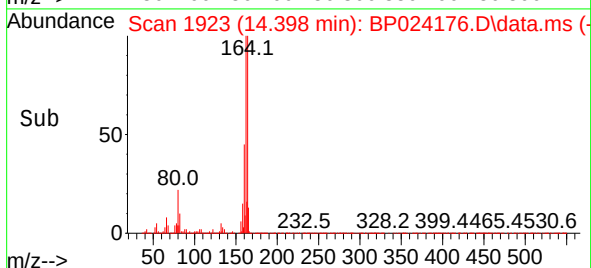
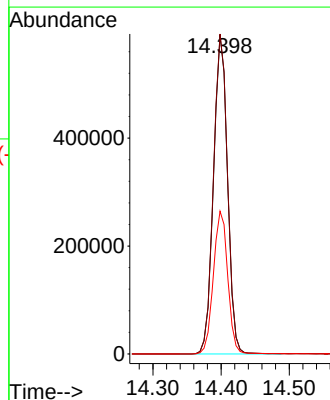
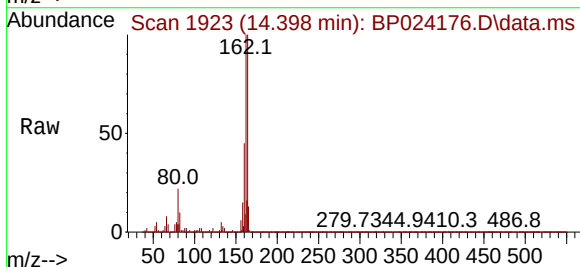
Tgt Ion:164 Resp: 845510

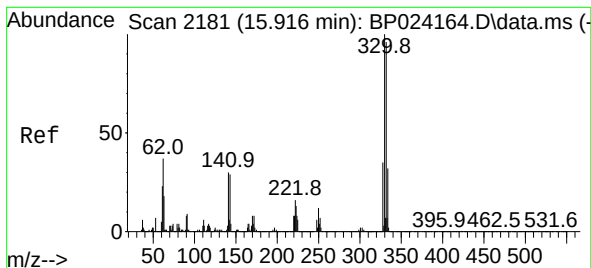
Ion Ratio Lower Upper

164 100

162 100.3 80.6 121.0

160 44.7 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 28.794 ng

RT: 15.916 min Scan# 2181

Delta R.T. -0.000 min

Lab File: BP024176.D

Acq: 13 Mar 2025 15:48

Instrument :

BNA_P

ClientSampleId :

PT-ACIDS-WPDL

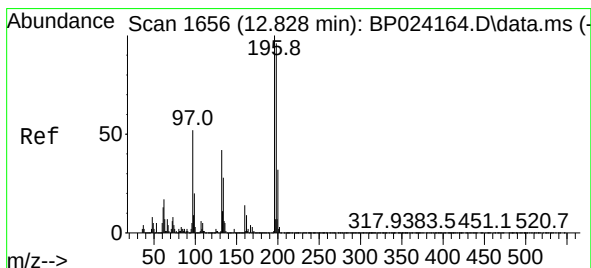
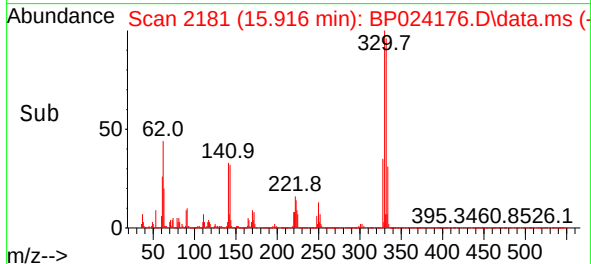
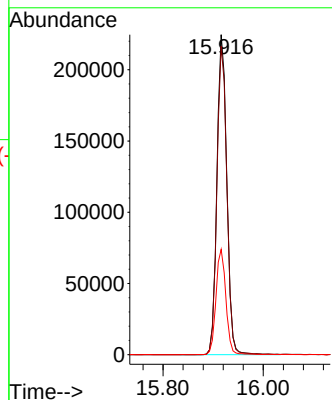
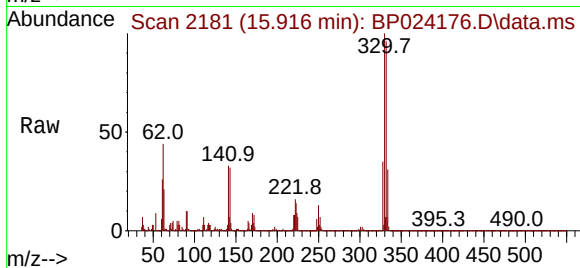
Tgt Ion:330 Resp: 306659

Ion Ratio Lower Upper

330 100

332 96.9 77.6 116.4

141 33.0 25.0 37.6



#43

2,4,6-Trichlorophenol

Concen: 25.277 ng

RT: 12.816 min Scan# 1654

Delta R.T. -0.012 min

Lab File: BP024176.D

Acq: 13 Mar 2025 15:48

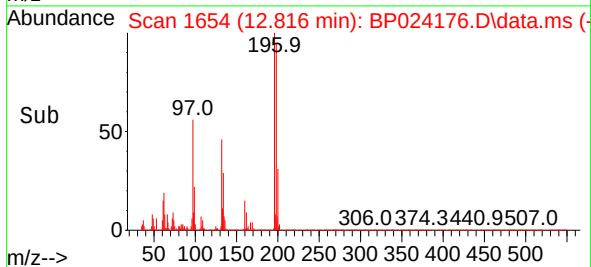
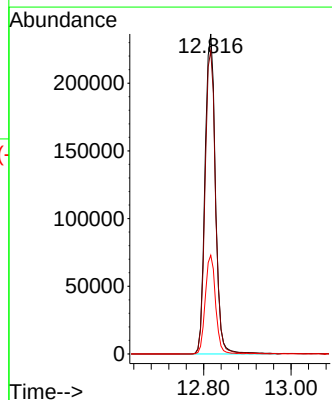
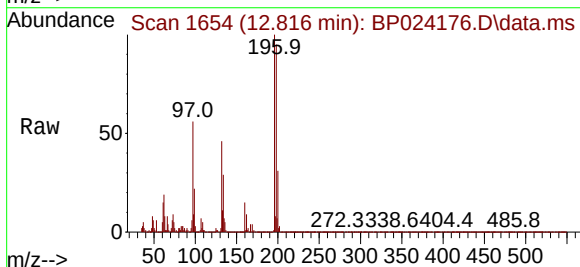
Tgt Ion:196 Resp: 392630

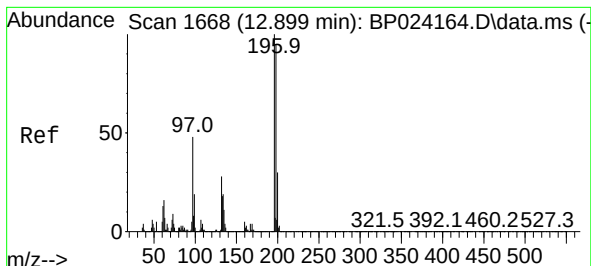
Ion Ratio Lower Upper

196 100

198 94.7 76.6 115.0

200 30.9 25.4 38.0





#44

2,4,5-Trichlorophenol

Concen: 23.049 ng

RT: 12.816 min Scan# 1

Delta R.T. -0.082 min

Lab File: BP024176.D

Acq: 13 Mar 2025 15:48

Instrument :

BNA_P

ClientSampleId :

PT-ACIDS-WPDL

Tgt Ion:196 Resp: 392630

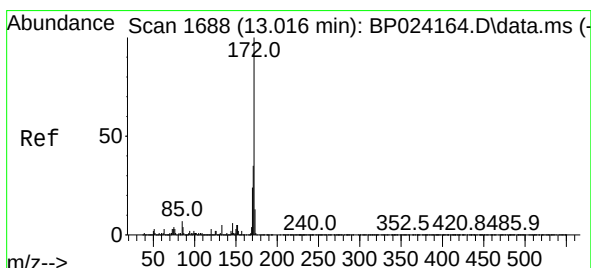
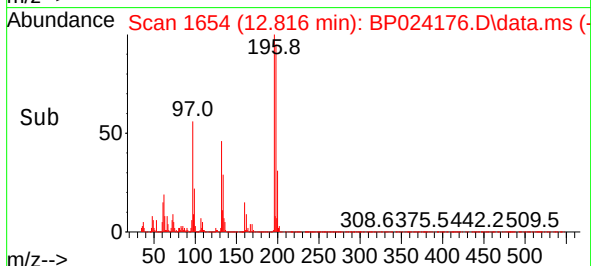
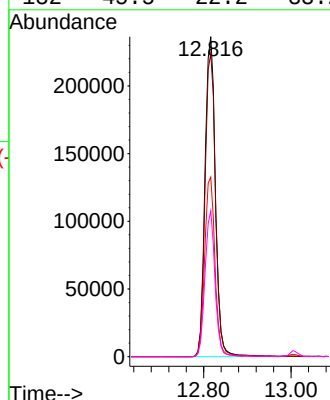
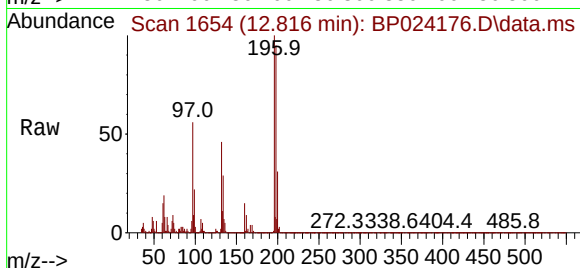
Ion Ratio Lower Upper

196 100

198 94.7 76.5 114.7

97 56.1 38.7 58.1

132 45.5 22.2 33.2#



#45

2-Fluorobiphenyl

Concen: 20.674 ng

RT: 13.004 min Scan# 1686

Delta R.T. -0.012 min

Lab File: BP024176.D

Acq: 13 Mar 2025 15:48

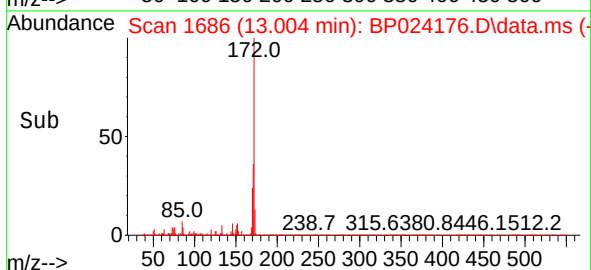
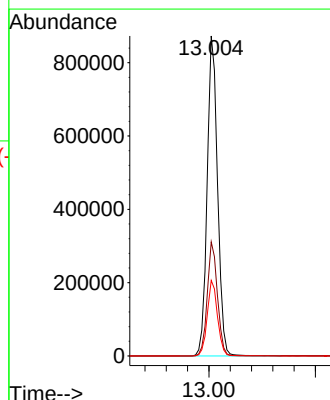
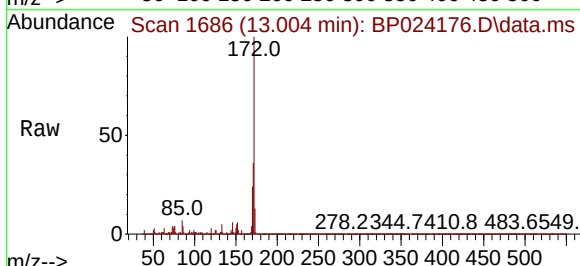
Tgt Ion:172 Resp: 1185484

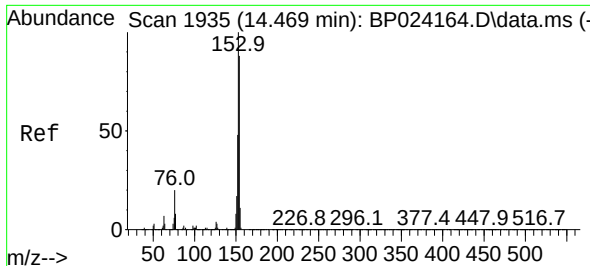
Ion Ratio Lower Upper

172 100

171 35.7 28.3 42.5

170 23.6 19.0 28.4

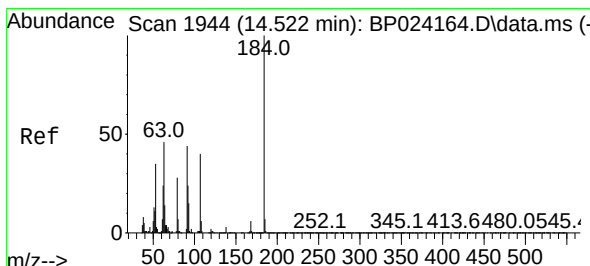
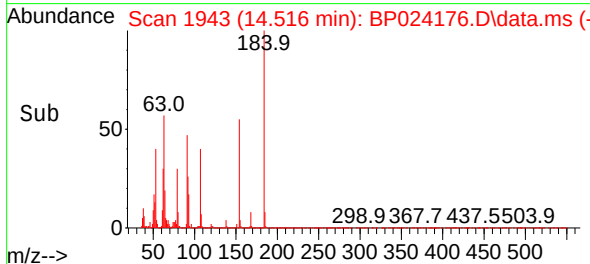
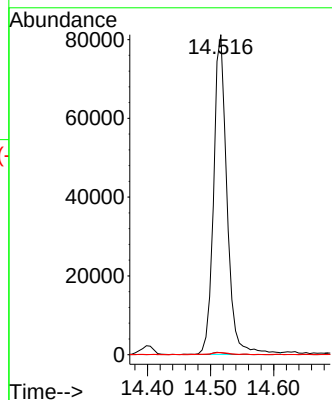
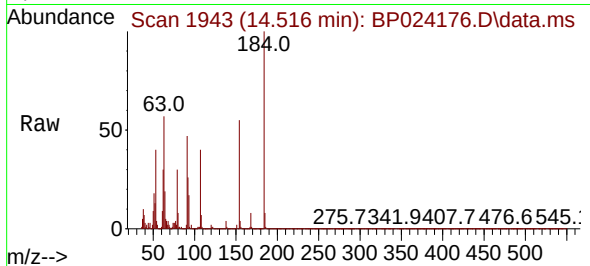




#52
Acenaphthene
Concen: 2.586 ng
RT: 14.516 min Scan# 1943
Delta R.T. 0.047 min
Lab File: BP024176.D
Acq: 13 Mar 2025 15:48

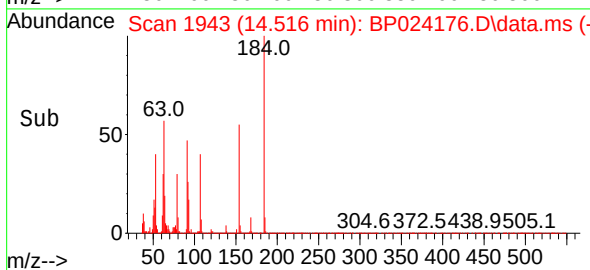
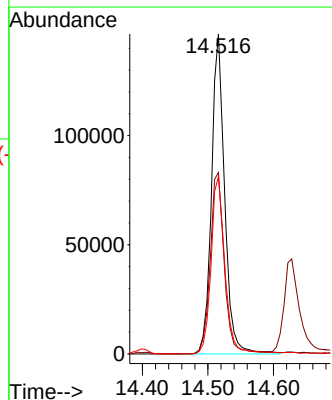
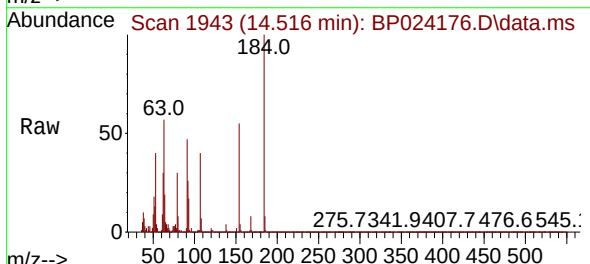
Instrument :
BNA_P
ClientSampleId :
PT-ACIDS-WPDL

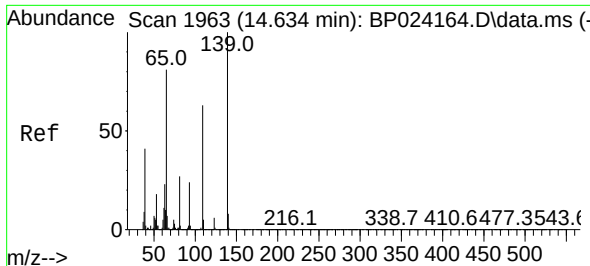
Tgt Ion:154 Resp: 119462
Ion Ratio Lower Upper
154 100
153 0.6 90.5 135.7#
152 0.7 43.1 64.7#



#54
2,4-Dinitrophenol
Concen: 31.075 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP024176.D
Acq: 13 Mar 2025 15:48

Tgt Ion:184 Resp: 204675
Ion Ratio Lower Upper
184 100
63 56.7 42.1 63.1
154 55.4 44.6 67.0

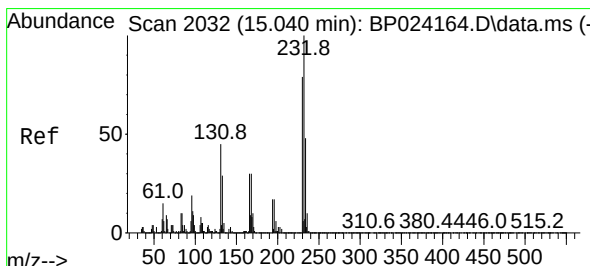
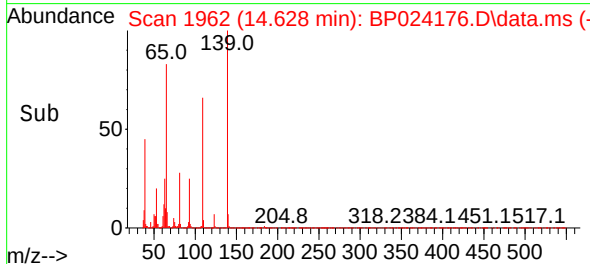
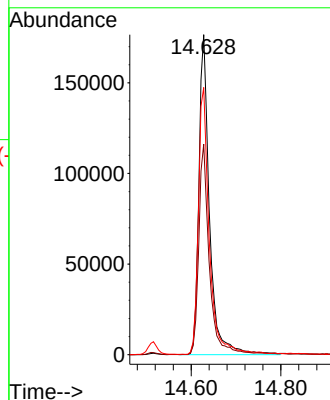
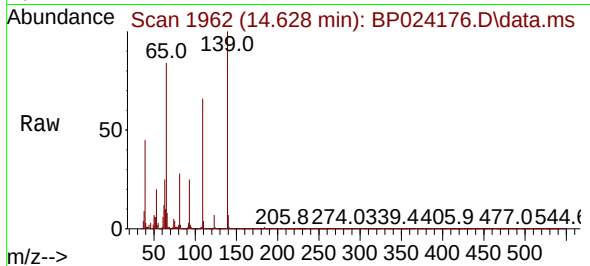




#56
4-Nitrophenol
Concen: 25.901 ng
RT: 14.628 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BP024176.D
Acq: 13 Mar 2025 15:48

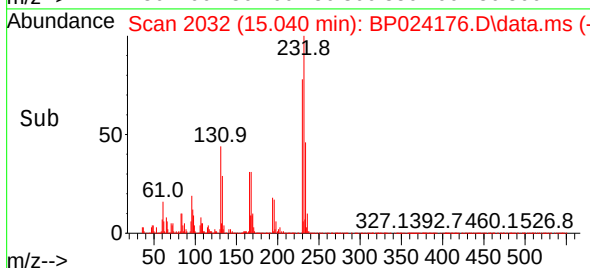
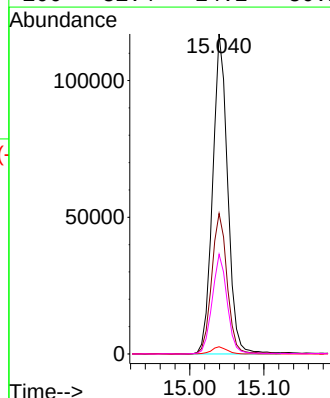
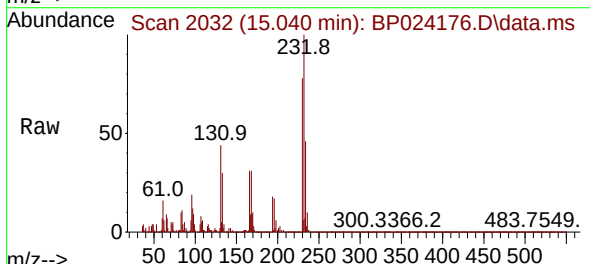
Instrument :
BNA_P
ClientSampleId :
PT-ACIDS-WPDL

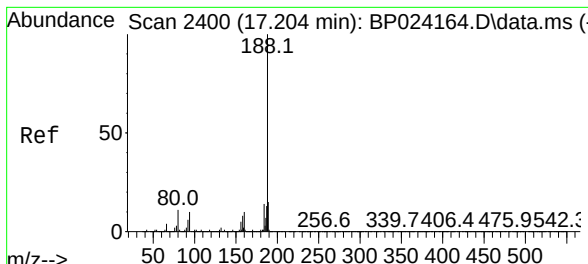
Tgt Ion:139 Resp: 290976
Ion Ratio Lower Upper
139 100
109 65.8 43.3 83.3
65 83.5 61.2 101.2



#59
2,3,4,6-Tetrachlorophenol
Concen: 10.953 ng
RT: 15.040 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BP024176.D
Acq: 13 Mar 2025 15:48

Tgt Ion:232 Resp: 164836
Ion Ratio Lower Upper
232 100
131 45.3 35.9 53.9
130 2.3 1.8 2.6
166 31.4 24.2 36.2



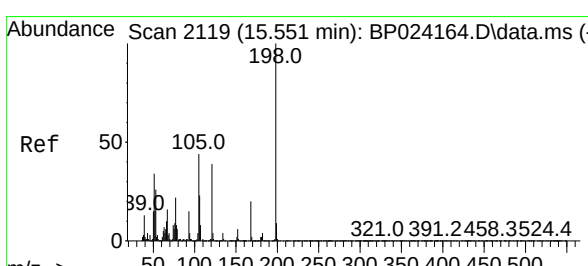
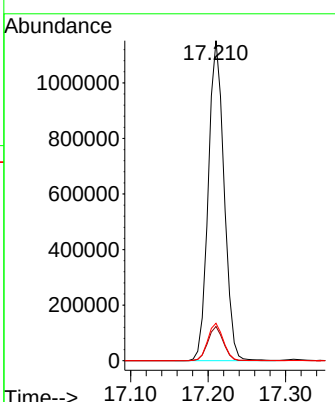
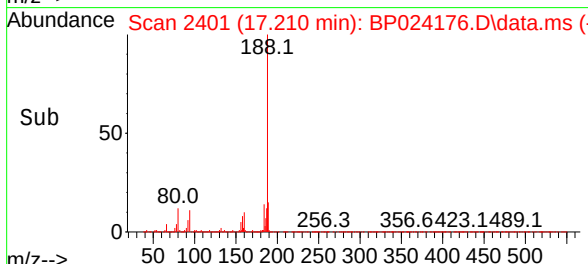
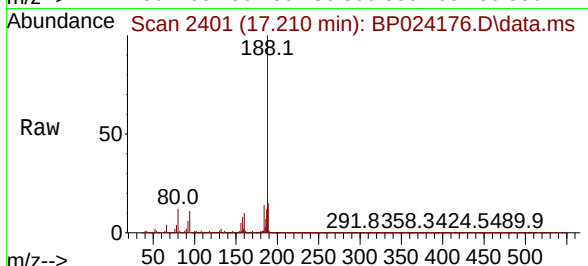


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.210 min Scan# 2401
 Delta R.T. 0.006 min
 Lab File: BP024176.D
 Acq: 13 Mar 2025 15:48

Instrument :
 BNA_P
 ClientSampleId :
 PT-ACIDS-WPDL

Tgt Ion:188 Resp: 1630079

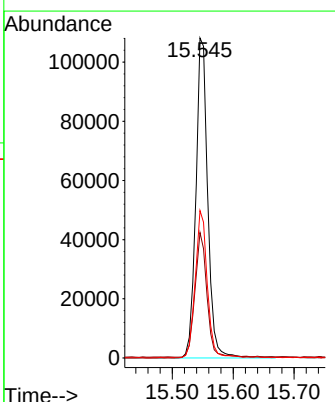
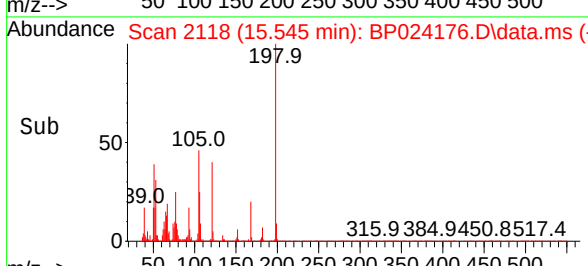
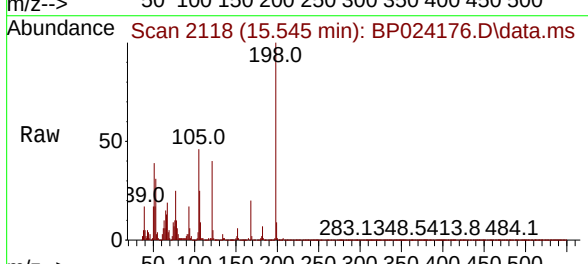
Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.1	12.1
80	11.7	8.9	13.3

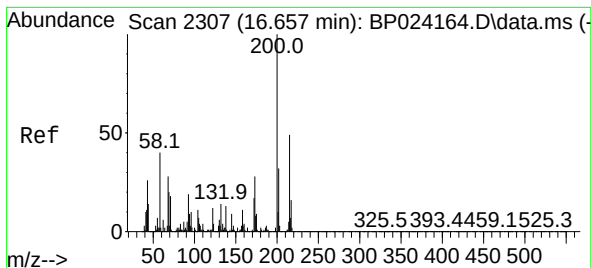


#65
 4,6-Dinitro-2-methylphenol
 Concen: 15.117 ng
 RT: 15.545 min Scan# 2118
 Delta R.T. -0.006 min
 Lab File: BP024176.D
 Acq: 13 Mar 2025 15:48

Tgt Ion:198 Resp: 146285

Ion	Ratio	Lower	Upper
198	100		
51	39.2	14.7	54.7
105	46.0	23.8	63.8





#69

Atrazine

Concen: 2.995 ng

RT: 16.857 min Scan# 2341

Delta R.T. 0.200 min

Lab File: BP024176.D

Acq: 13 Mar 2025 15:48

Instrument :

BNA_P

ClientSampleId :

PT-ACIDS-WPDL

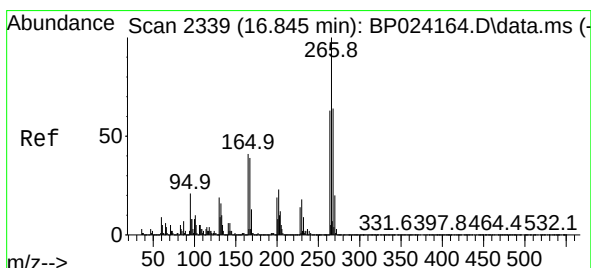
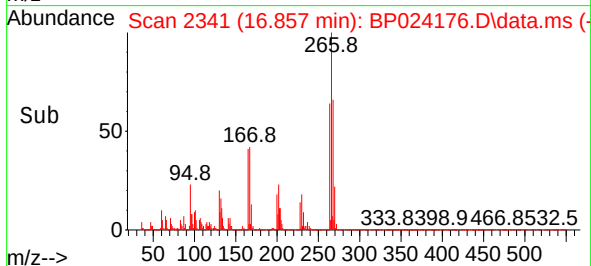
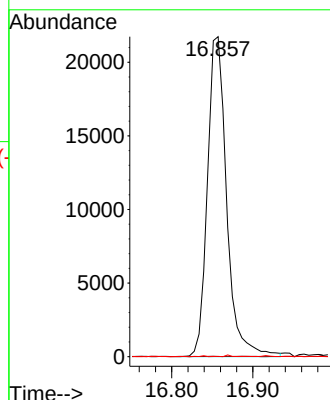
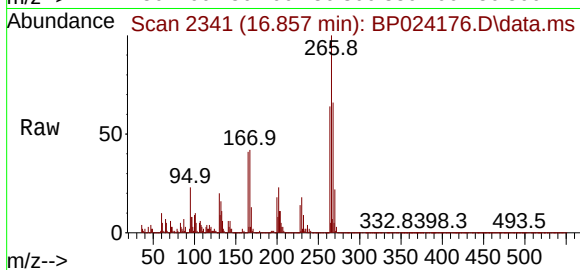
Tgt Ion:200 Resp: 35788

Ion Ratio Lower Upper

200 100

173 0.1 7.6 47.6#

215 0.1 29.0 69.0#



#70

Pentachlorophenol

Concen: 14.765 ng

RT: 16.857 min Scan# 2341

Delta R.T. 0.012 min

Lab File: BP024176.D

Acq: 13 Mar 2025 15:48

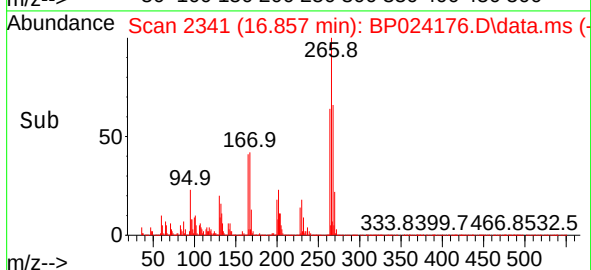
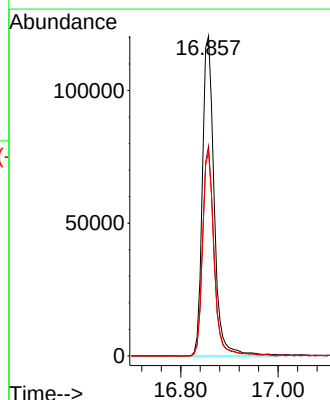
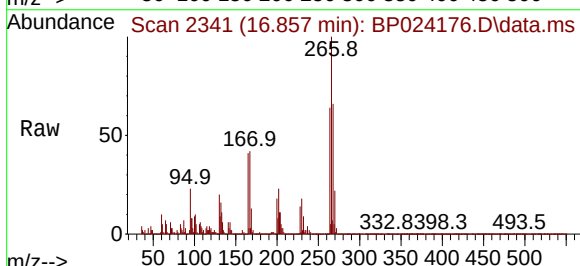
Tgt Ion:266 Resp: 202265

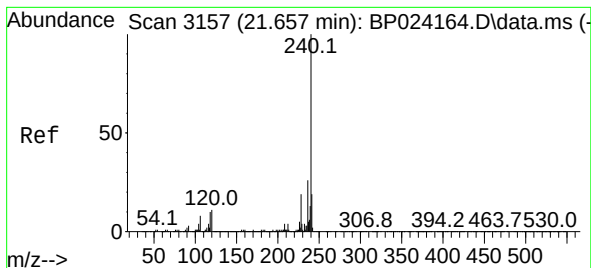
Ion Ratio Lower Upper

266 100

268 65.5 51.3 76.9

264 63.8 50.6 76.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.669 min Scan# 3159

Delta R.T. 0.012 min

Lab File: BP024176.D

Acq: 13 Mar 2025 15:48

Instrument :

BNA_P

ClientSampleId :

PT-ACIDS-WPDL

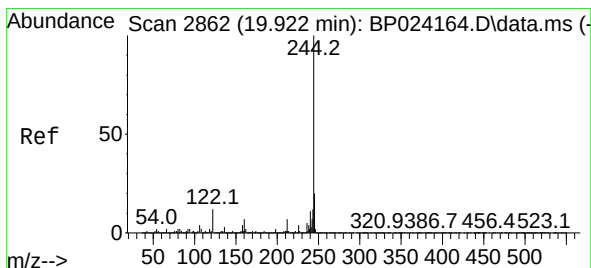
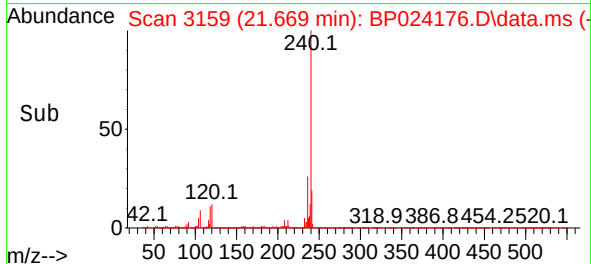
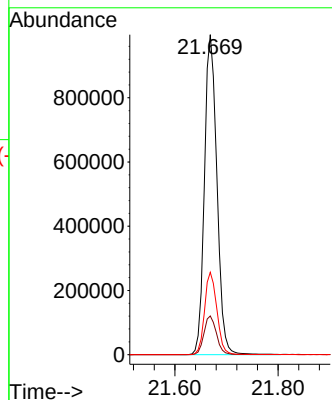
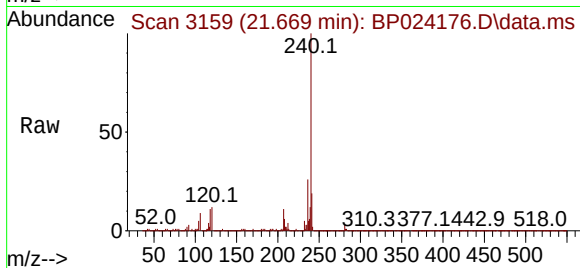
Tgt Ion:240 Resp: 1669058

Ion Ratio Lower Upper

240 100

120 12.1 9.2 13.8

236 25.8 20.4 30.6



#79

Terphenyl-d14

Concen: 22.605 ng

RT: 19.933 min Scan# 2864

Delta R.T. 0.012 min

Lab File: BP024176.D

Acq: 13 Mar 2025 15:48

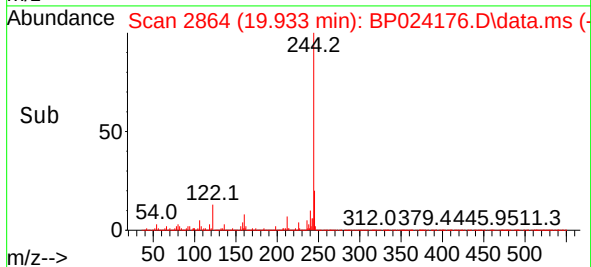
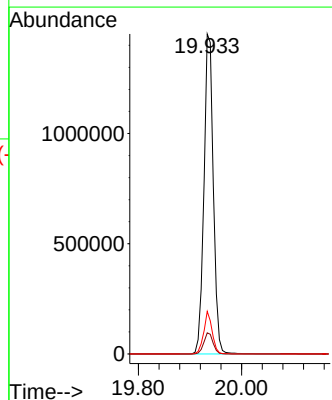
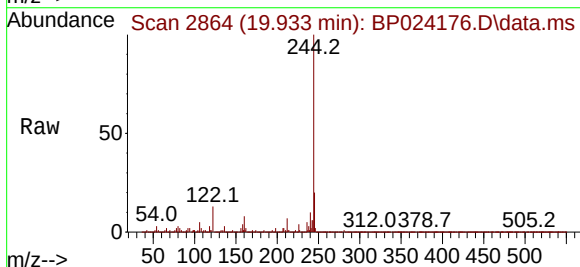
Tgt Ion:244 Resp: 1827756

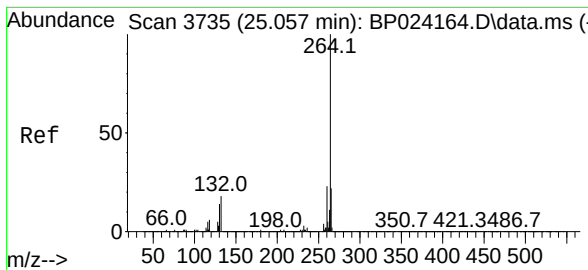
Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 13.3 9.6 14.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.086 min Scan# 31
Delta R.T. 0.029 min
Lab File: BP024176.D
Acq: 13 Mar 2025 15:48

Instrument :
BNA_P
ClientSampleId :
PT-ACIDS-WPDL

Tgt Ion:264 Resp: 1840328
Ion Ratio Lower Upper
264 100
260 23.7 18.5 27.7
265 21.9 17.7 26.5

