

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091825\
 Data File : BP025781.D
 Acq On : 18 Sep 2025 13:03
 Operator : CG/JU
 Sample : Q3015-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WP0925-PT-ACIDS-WP

Quant Time: Sep 18 13:25:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 16:45:04 2025
 Response via : Initial Calibration

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

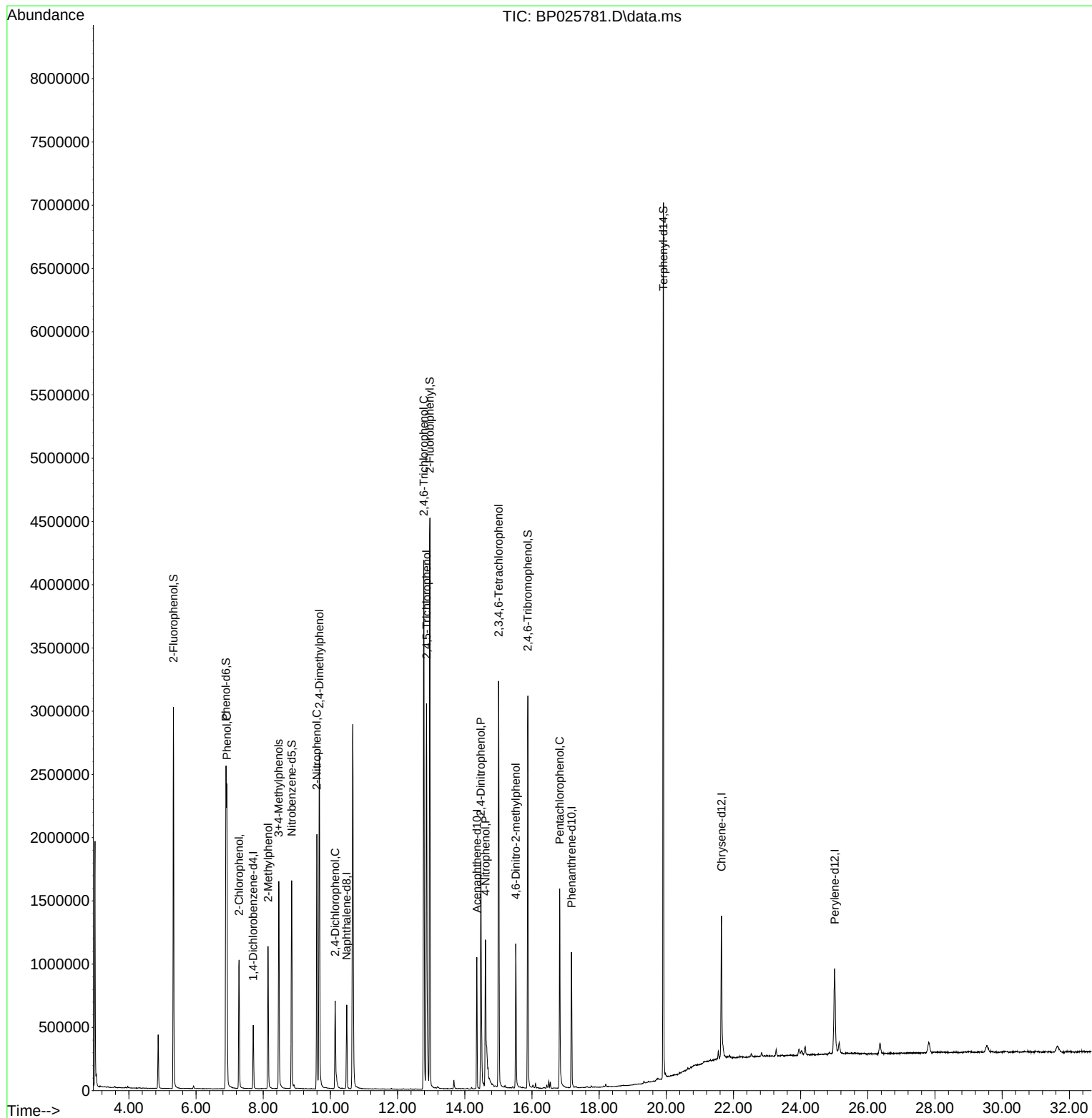
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.702	152	132437	20.000	ng	-0.06
21) Naphthalene-d8	10.484	136	521061	20.000	ng	-0.04
39) Acenaphthene-d10	14.360	164	332877	20.000	ng	-0.02
64) Phenanthrene-d10	17.178	188	684288	20.000	ng	0.00
76) Chrysene-d12	21.642	240	765630	20.000	ng	0.00
86) Perylene-d12	25.012	264	798049	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.325	112	1190357	145.027	ng	-0.06
7) Phenol-d6	6.890	99	1548744	141.961	ng	-0.06
23) Nitrobenzene-d5	8.849	82	1043919	88.374	ng	-0.05
42) 2,4,6-Tribromophenol	15.878	330	587236	141.435	ng	-0.03
45) 2-Fluorobiphenyl	12.960	172	2192865	87.714	ng	-0.03
79) Terphenyl-d14	19.913	244	3618648	85.027	ng	0.00
Target Compounds						Qvalue
8) 2-Chlorophenol	7.278	128	458824	50.956	ng	99
10) Phenol	6.919	94	1241084	107.887	ng	98
17) 2-Methylphenol	8.143	107	334876	43.178	ng	98
20) 3+4-Methylphenols	8.460	107	777770	71.606	ng	92
26) 2-Nitrophenol	9.596	139	619026	131.571	ng	96
27) 2,4-Dimethylphenol	9.672	122	869449	105.337	ng	98
29) 2,4-Dichlorophenol	10.143	162	290542	35.304	ng	98
43) 2,4,6-Trichlorophenol	12.778	196	1048413	158.103	ng	100
44) 2,4,5-Trichlorophenol	12.860	196	928098	125.757	ng	99
54) 2,4-Dinitrophenol	14.478	184	429624	120.146	ng	93
56) 4-Nitrophenol	14.619	139	500198	101.319	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.007	232	747879	112.495	ng	100
65) 4,6-Dinitro-2-methylph...	15.519	198	265611	58.366	ng	99
70) Pentachlorophenol	16.825	266	292095	52.792	ng	99

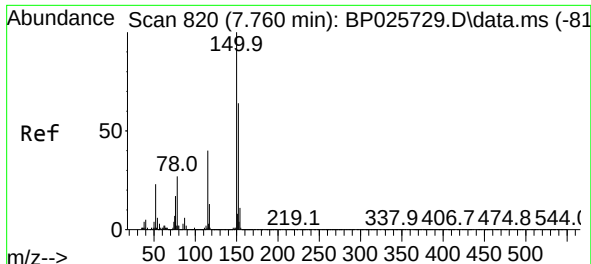
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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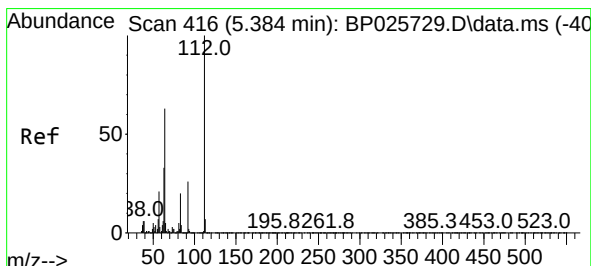
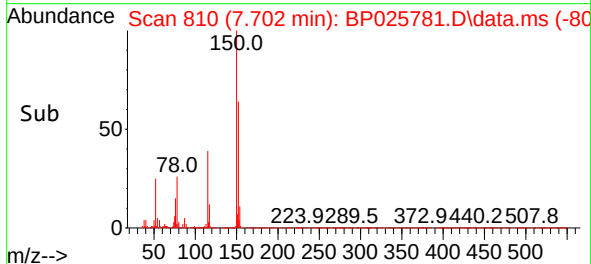
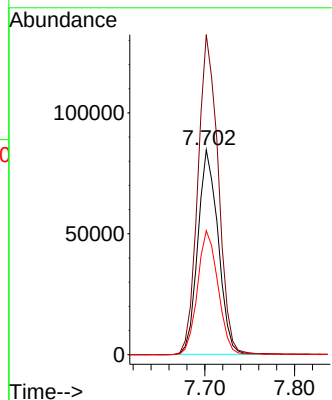
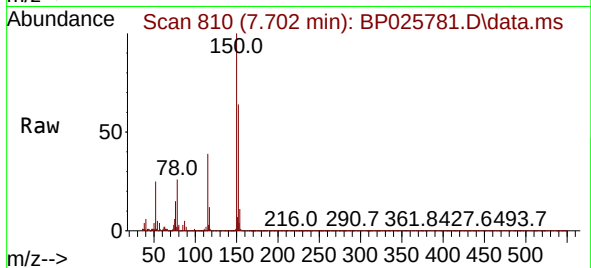




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.702 min Scan# 81
Delta R.T. -0.058 min
Lab File: BP025781.D
Acq: 18 Sep 2025 13:03

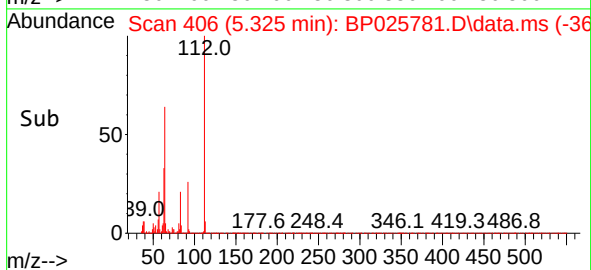
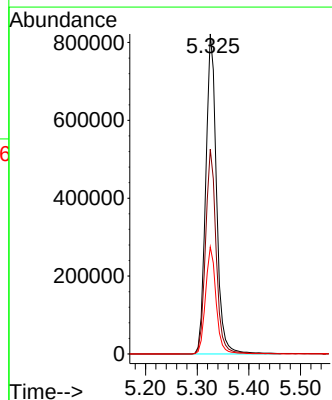
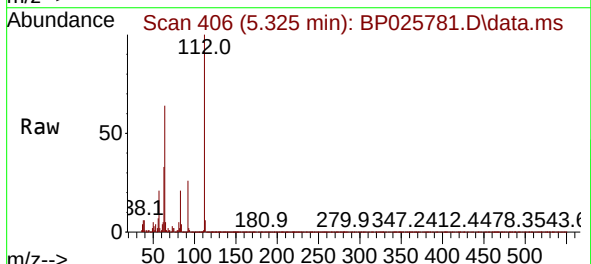
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BNA_P
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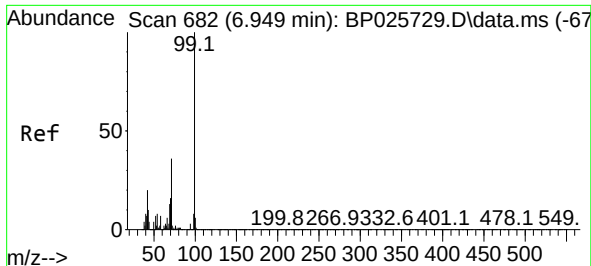
Tgt Ion:152 Resp: 132437
Ion Ratio Lower Upper
152 100
150 156.3 124.3 186.5
115 60.6 50.3 75.5



#5
2-Fluorophenol
Concen: 145.027 ng
RT: 5.325 min Scan# 406
Delta R.T. -0.059 min
Lab File: BP025781.D
Acq: 18 Sep 2025 13:03

Tgt Ion:112 Resp: 1190357
Ion Ratio Lower Upper
112 100
64 64.0 50.2 75.4
63 33.5 26.7 40.1

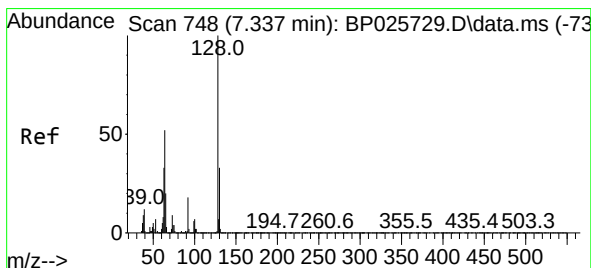
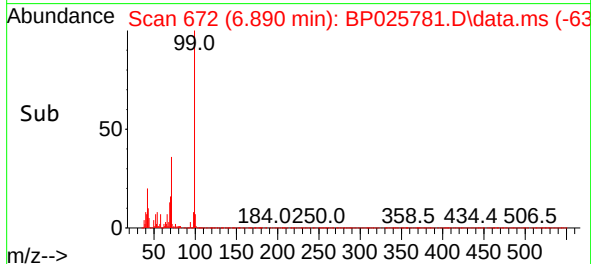
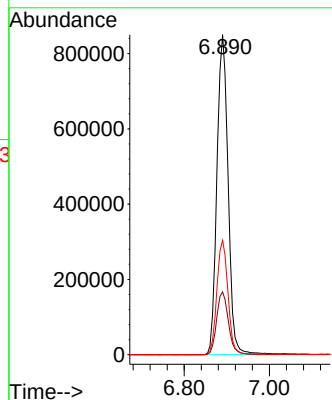
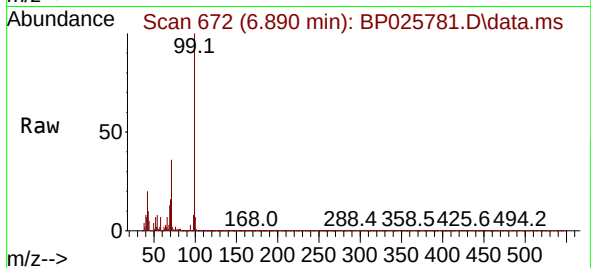




#7
Phenol-d6
Concen: 141.961 ng
RT: 6.890 min Scan# 61
Delta R.T. -0.059 min
Lab File: BP025781.D
Acq: 18 Sep 2025 13:03

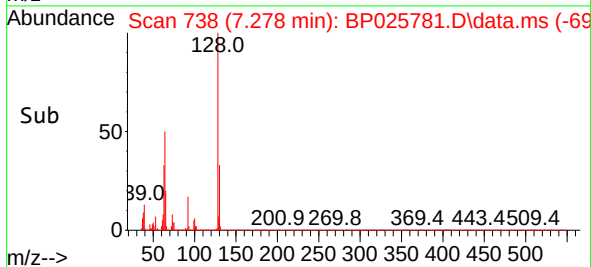
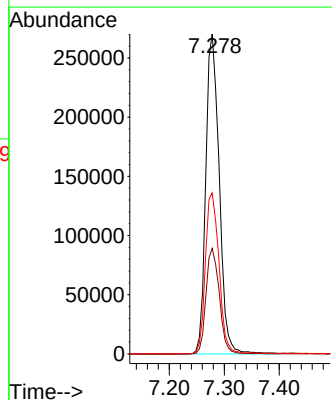
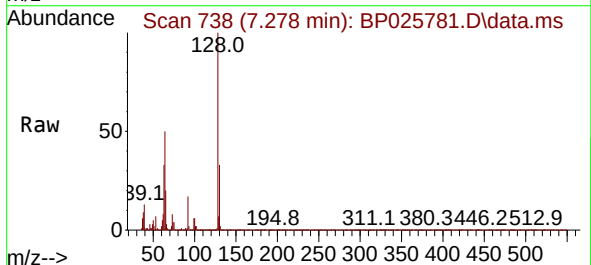
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BNA_P
ClientSampleId :
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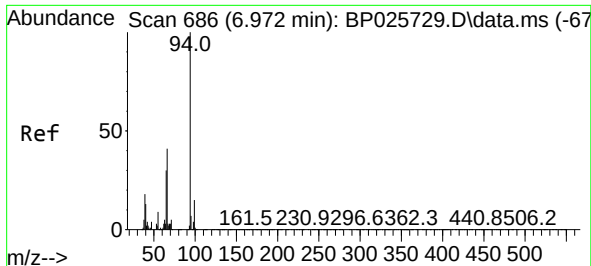
Tgt Ion: 99 Resp: 1548744
Ion Ratio Lower Upper
99 100
42 19.6 15.6 23.4
71 35.8 28.6 43.0



#8
2-Chlorophenol
Concen: 50.956 ng
RT: 7.278 min Scan# 738
Delta R.T. -0.059 min
Lab File: BP025781.D
Acq: 18 Sep 2025 13:03

Tgt Ion:128 Resp: 458824
Ion Ratio Lower Upper
128 100
130 33.0 12.6 52.6
64 50.4 31.6 71.6

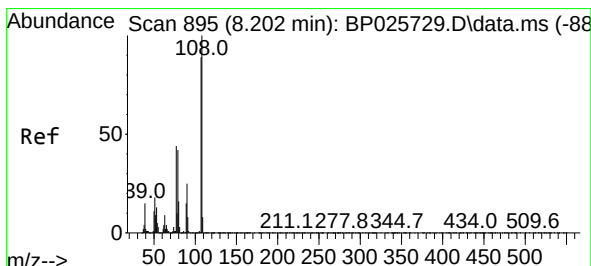
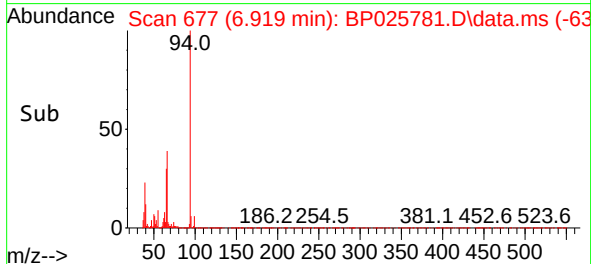
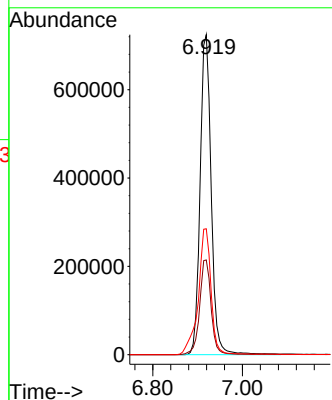
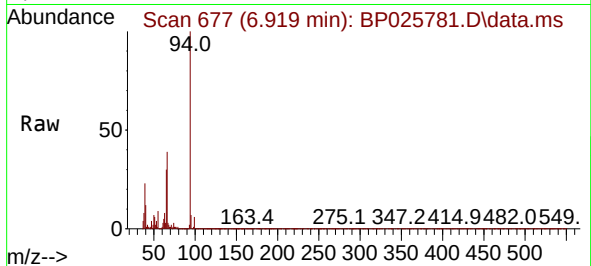




#10
Phenol
Concen: 107.887 ng
RT: 6.919 min Scan# 61
Delta R.T. -0.053 min
Lab File: BP025781.D
Acq: 18 Sep 2025 13:03

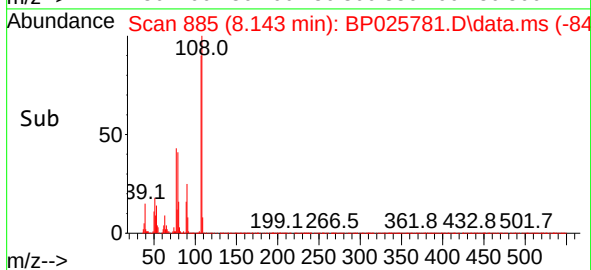
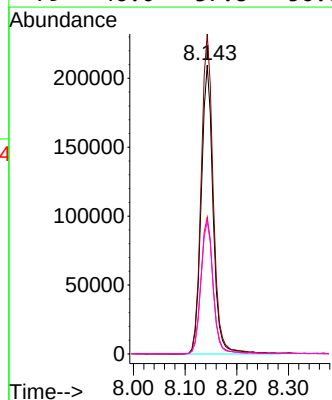
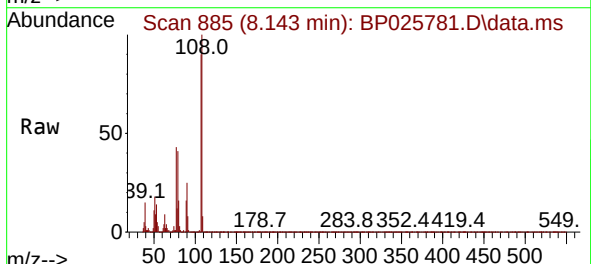
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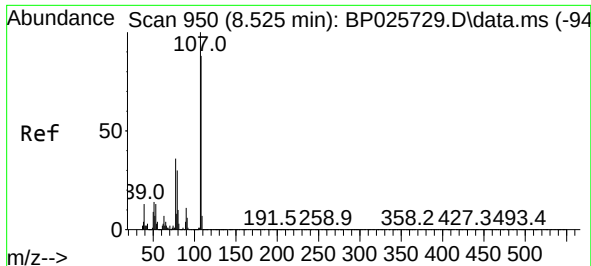
Tgt Ion: 94 Resp: 1241084
Ion Ratio Lower Upper
94 100
65 29.6 10.2 50.2
66 39.4 21.4 61.4



#17
2-Methylphenol
Concen: 43.178 ng
RT: 8.143 min Scan# 885
Delta R.T. -0.059 min
Lab File: BP025781.D
Acq: 18 Sep 2025 13:03

Tgt Ion: 107 Resp: 334876
Ion Ratio Lower Upper
107 100
108 110.8 89.6 134.4
77 47.3 39.3 58.9
79 46.0 37.8 56.6

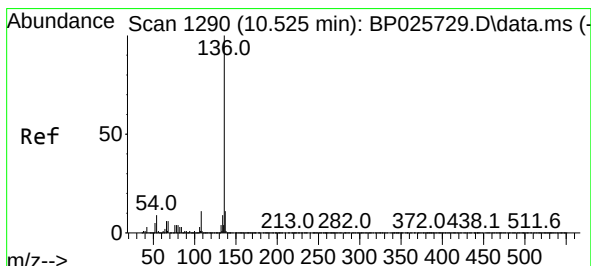
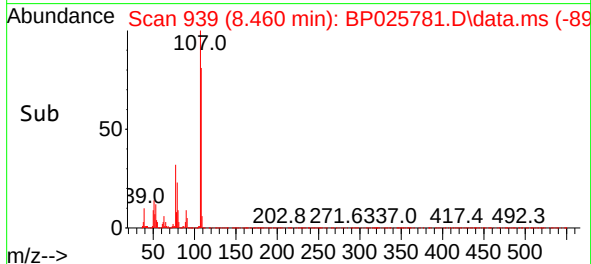
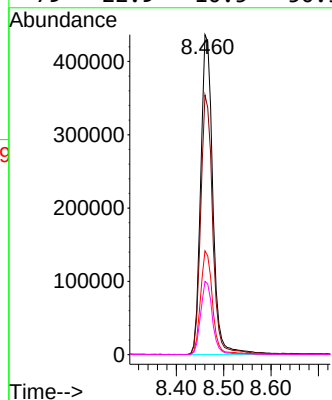
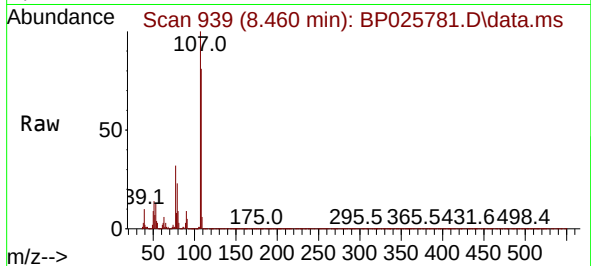




#20
3+4-Methylphenols
Concen: 71.606 ng
RT: 8.460 min Scan# 91
Delta R.T. -0.065 min
Lab File: BP025781.D
Acq: 18 Sep 2025 13:03

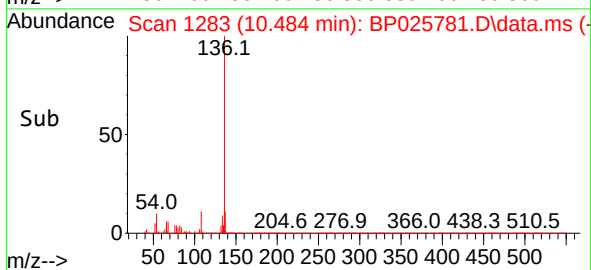
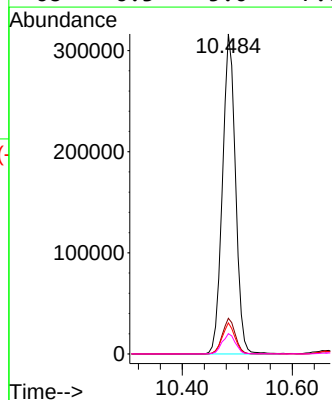
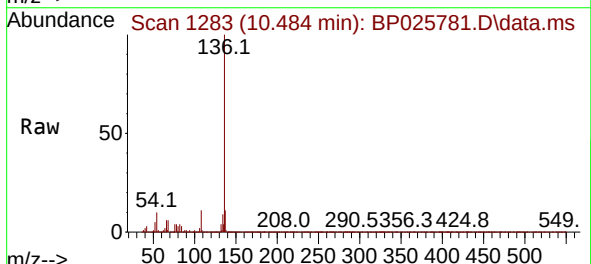
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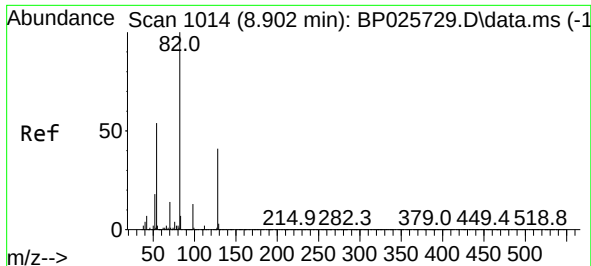
Tgt Ion:107 Resp: 777770
Ion Ratio Lower Upper
107 100
108 81.1 67.8 107.8
77 32.5 16.1 56.1
79 22.9 10.5 50.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.484 min Scan# 1283
Delta R.T. -0.041 min
Lab File: BP025781.D
Acq: 18 Sep 2025 13:03

Tgt Ion:136 Resp: 521061
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 9.7 7.5 11.3
68 6.3 5.0 7.6

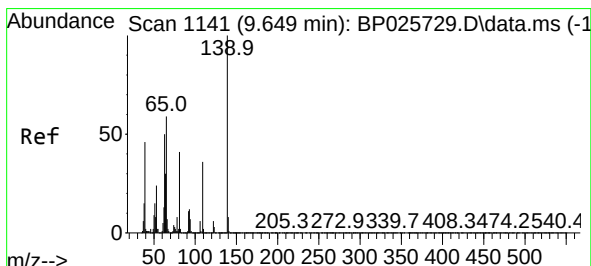
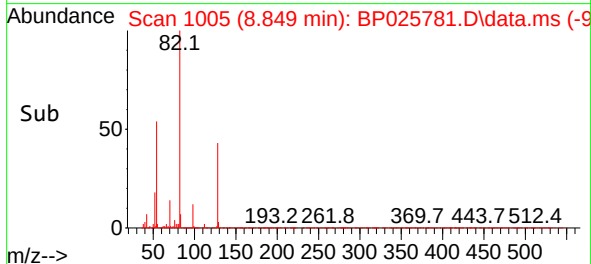
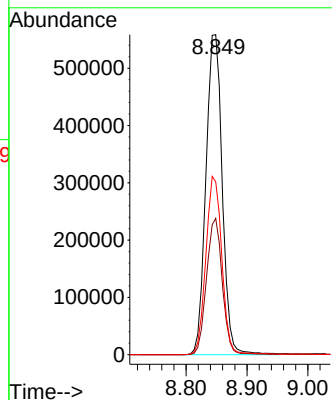
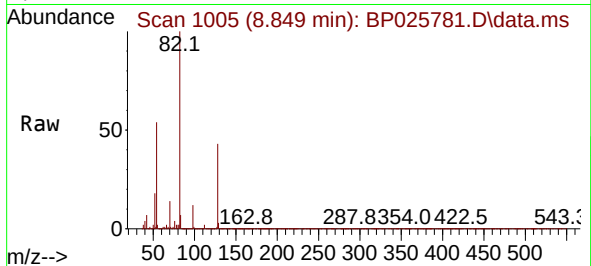




#23
Nitrobenzene-d5
Concen: 88.374 ng
RT: 8.849 min Scan# 1005
Delta R.T. -0.053 min
Lab File: BP025781.D
Acq: 18 Sep 2025 13:03

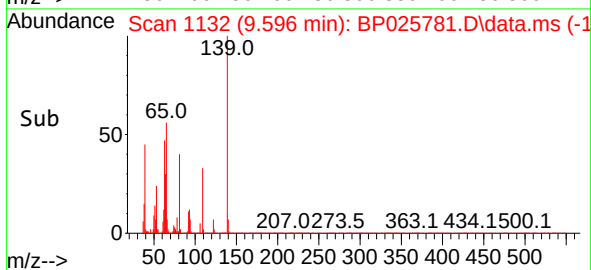
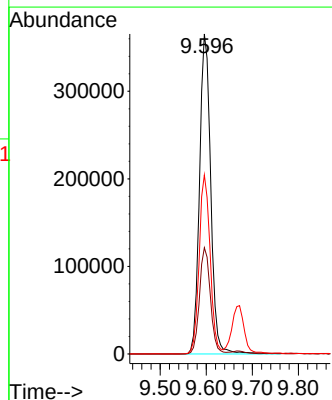
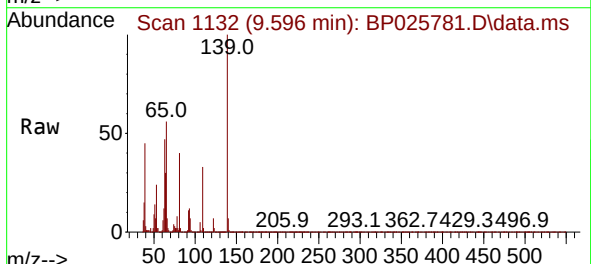
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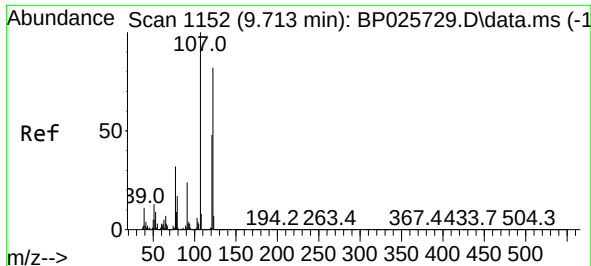
Tgt Ion: 82 Resp: 1043919
Ion Ratio Lower Upper
82 100
128 42.6 32.9 49.3
54 54.1 43.4 65.2



#26
2-Nitrophenol
Concen: 131.571 ng
RT: 9.596 min Scan# 1132
Delta R.T. -0.053 min
Lab File: BP025781.D
Acq: 18 Sep 2025 13:03

Tgt Ion:139 Resp: 619026
Ion Ratio Lower Upper
139 100
109 33.2 29.0 43.4
65 55.9 46.9 70.3

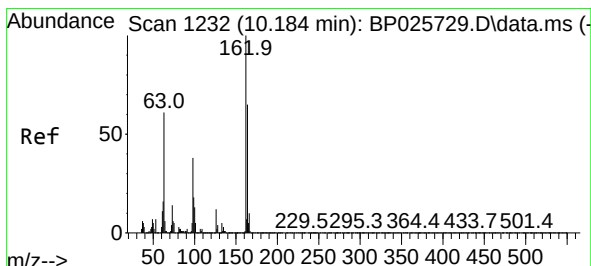
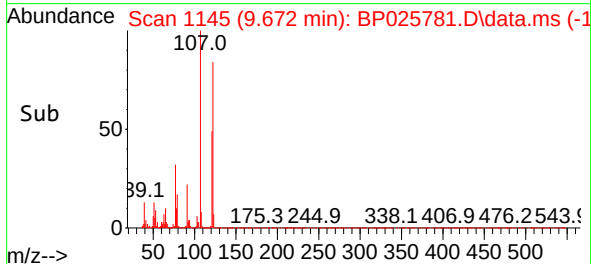
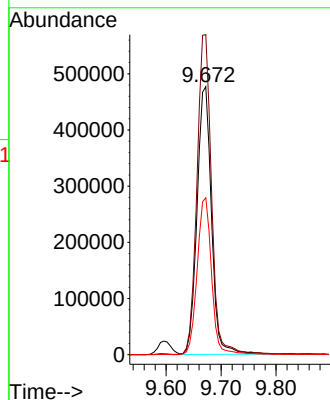
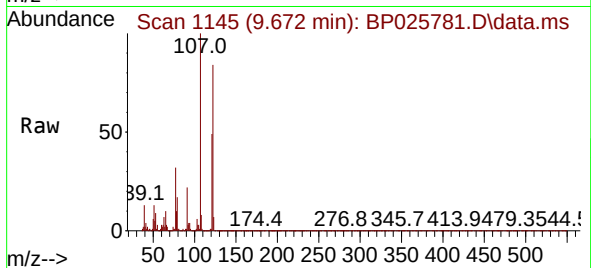




#27
2,4-Dimethylphenol
Concen: 105.337 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.041 min
Lab File: BP025781.D
Acq: 18 Sep 2025 13:03

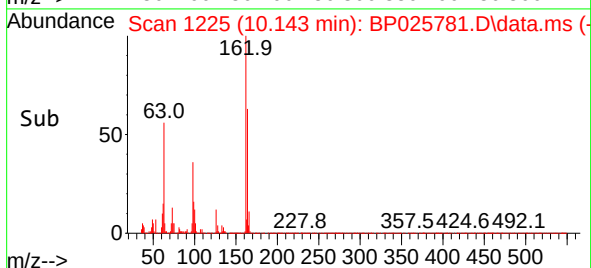
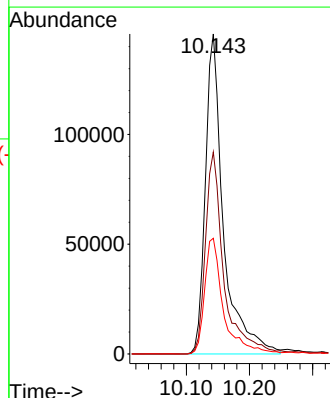
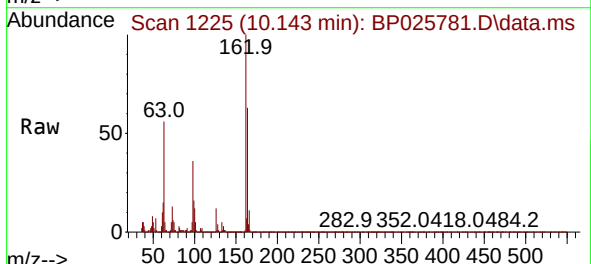
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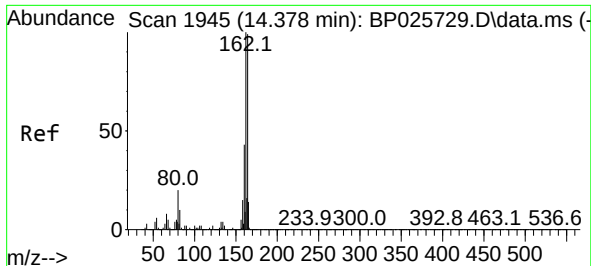
Tgt Ion:122 Resp: 869449
Ion Ratio Lower Upper
122 100
107 119.4 97.9 146.9
121 58.6 47.4 71.0



#29
2,4-Dichlorophenol
Concen: 35.304 ng
RT: 10.143 min Scan# 1225
Delta R.T. -0.041 min
Lab File: BP025781.D
Acq: 18 Sep 2025 13:03

Tgt Ion:162 Resp: 290542
Ion Ratio Lower Upper
162 100
164 63.1 44.7 84.7
98 36.2 18.1 58.1

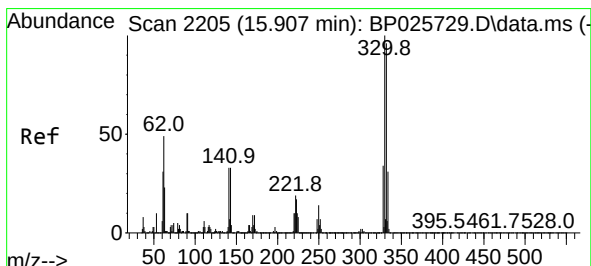
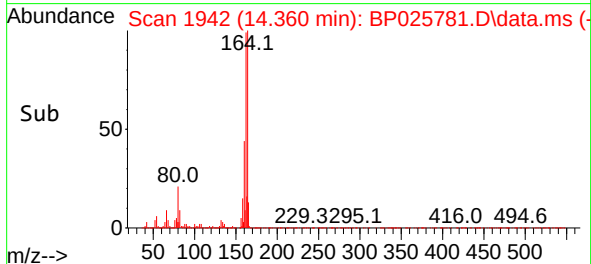
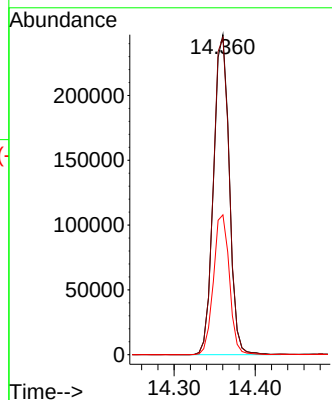
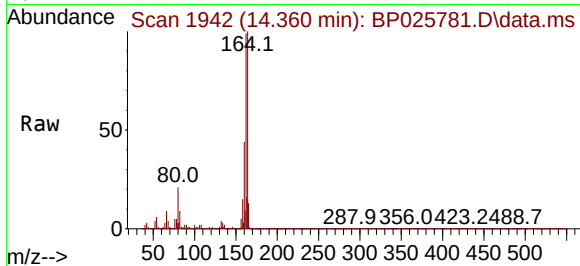




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.360 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BP025781.D
Acq: 18 Sep 2025 13:03

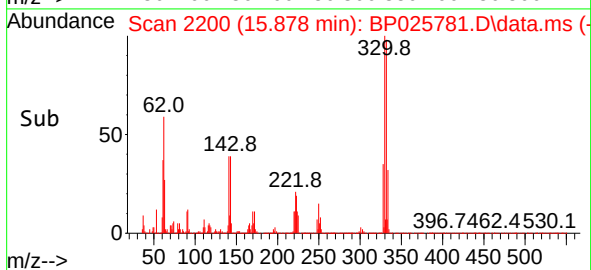
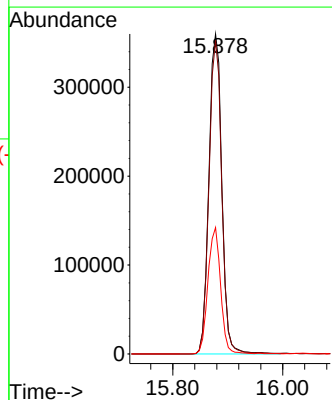
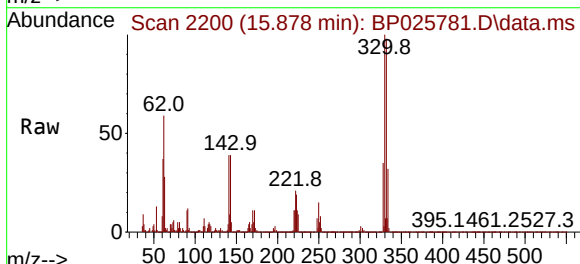
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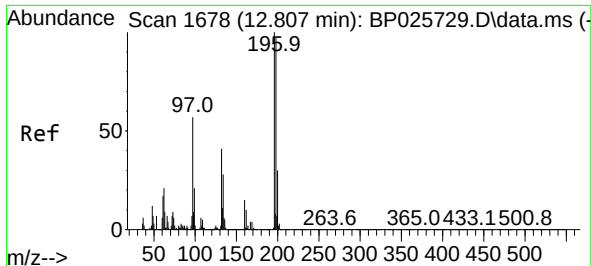
Tgt Ion:164 Resp: 332877
Ion Ratio Lower Upper
164 100
162 99.1 80.6 120.8
160 43.7 35.0 52.6



#42
2,4,6-Tribromophenol
Concen: 141.435 ng
RT: 15.878 min Scan# 2200
Delta R.T. -0.029 min
Lab File: BP025781.D
Acq: 18 Sep 2025 13:03

Tgt Ion:330 Resp: 587236
Ion Ratio Lower Upper
330 100
332 96.1 76.9 115.3
141 38.8 31.0 46.4

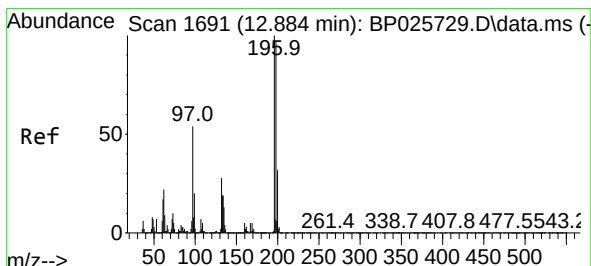
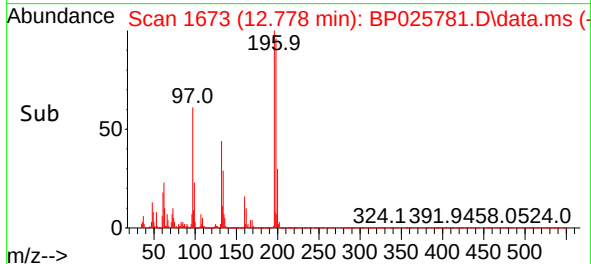
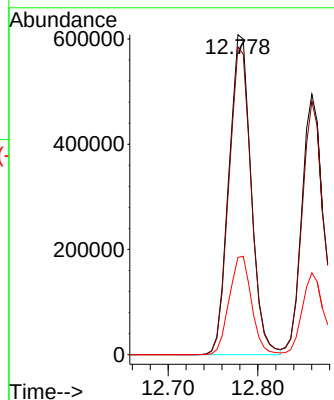
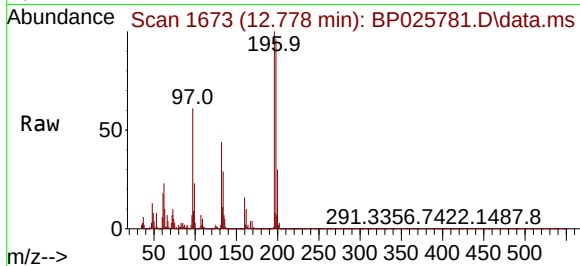




#43
2,4,6-Trichlorophenol
Concen: 158.103 ng
RT: 12.778 min Scan# 1673
Delta R.T. -0.029 min
Lab File: BP025781.D
Acq: 18 Sep 2025 13:03

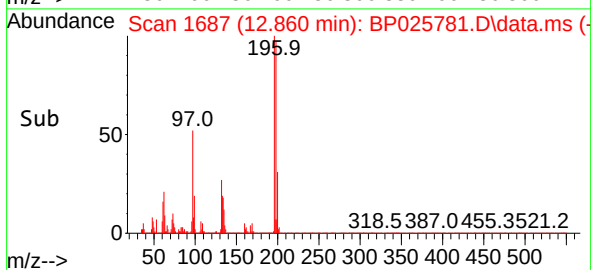
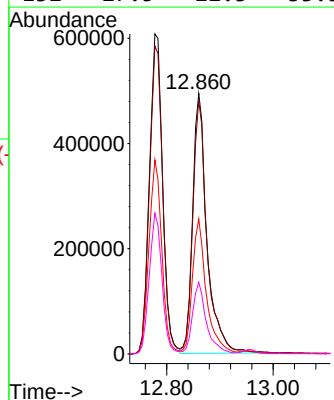
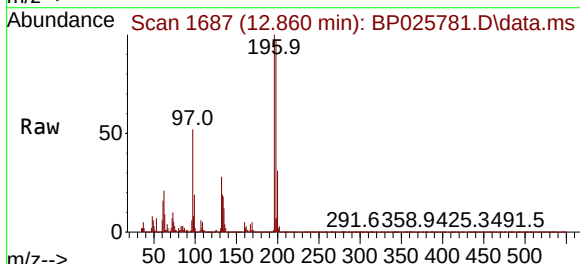
Instrument :
BNA_P
ClientSampleId :
WP0925-PT-ACIDS-WP

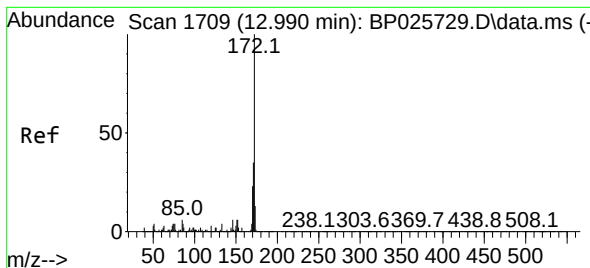
Tgt Ion:196 Resp: 1048413
Ion Ratio Lower Upper
196 100
198 96.2 77.2 115.8
200 30.4 24.2 36.2



#44
2,4,5-Trichlorophenol
Concen: 125.757 ng
RT: 12.860 min Scan# 1687
Delta R.T. -0.024 min
Lab File: BP025781.D
Acq: 18 Sep 2025 13:03

Tgt Ion:196 Resp: 928098
Ion Ratio Lower Upper
196 100
198 97.2 77.8 116.8
97 51.8 43.3 64.9
132 27.5 22.3 33.5





#45

2-Fluorobiphenyl

Concen: 87.714 ng

RT: 12.960 min Scan# 1

Delta R.T. -0.029 min

Lab File: BP025781.D

Acq: 18 Sep 2025 13:03

Instrument :

BNA_P

ClientSampleId :

WP0925-PT-ACIDS-WP

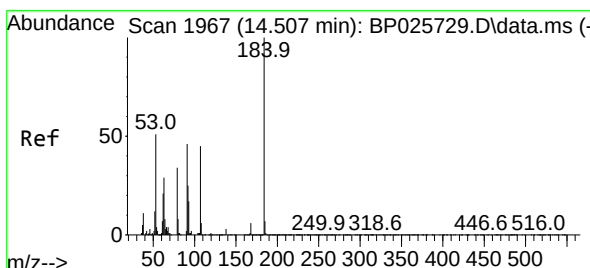
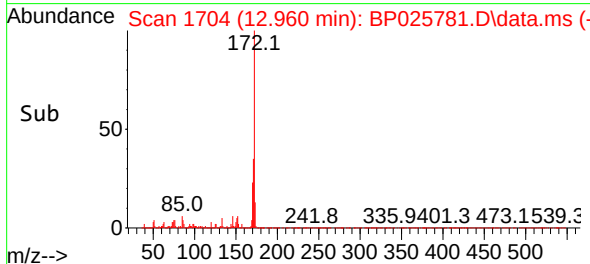
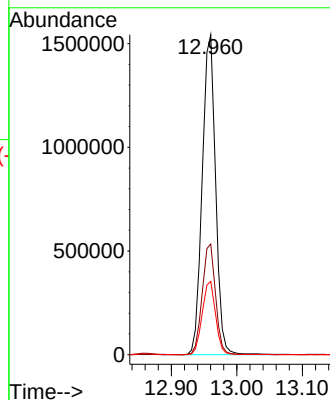
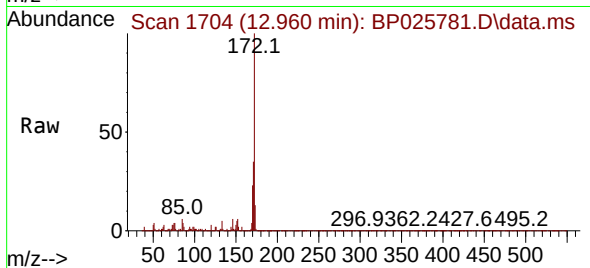
Tgt Ion:172 Resp: 2192865

Ion Ratio Lower Upper

172 100

171 34.6 27.8 41.6

170 22.9 18.6 27.8



#54

2,4-Dinitrophenol

Concen: 120.146 ng

RT: 14.478 min Scan# 1962

Delta R.T. -0.029 min

Lab File: BP025781.D

Acq: 18 Sep 2025 13:03

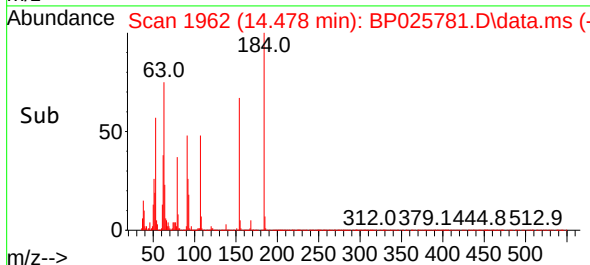
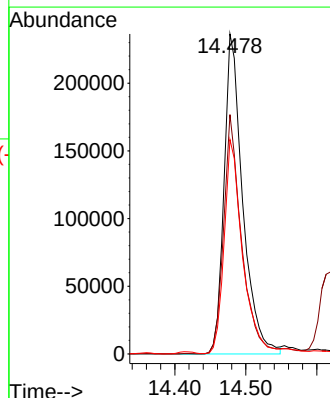
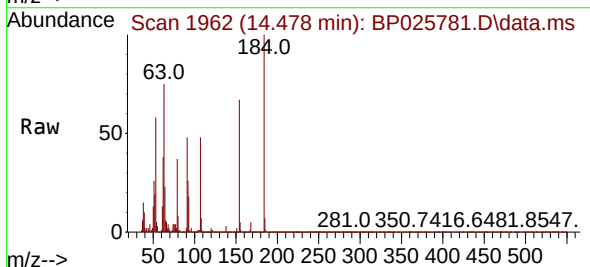
Tgt Ion:184 Resp: 429624

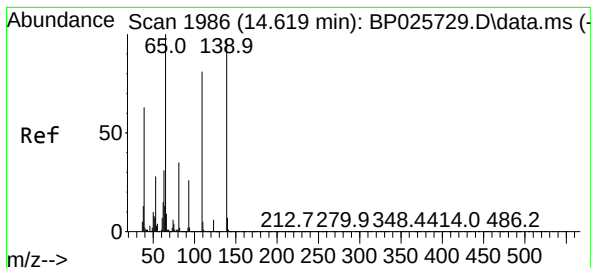
Ion Ratio Lower Upper

184 100

63 74.8 52.5 78.7

154 67.0 51.5 77.3

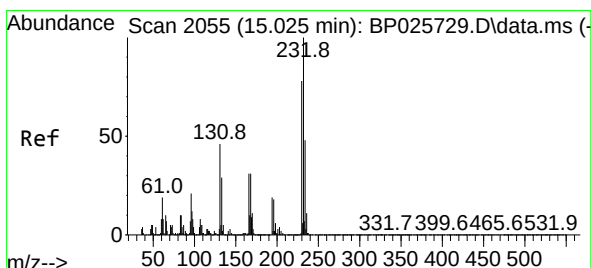
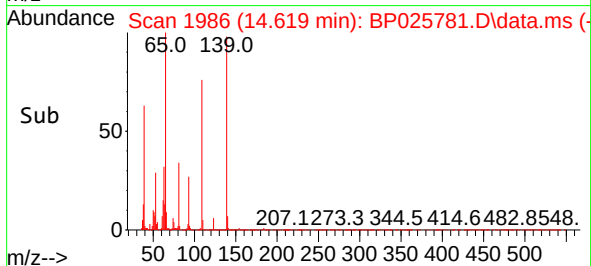
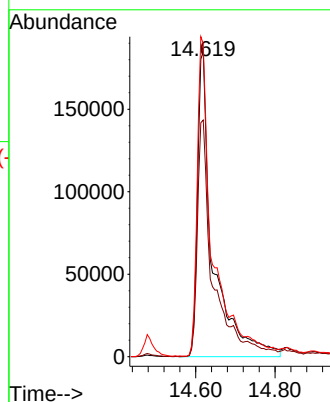
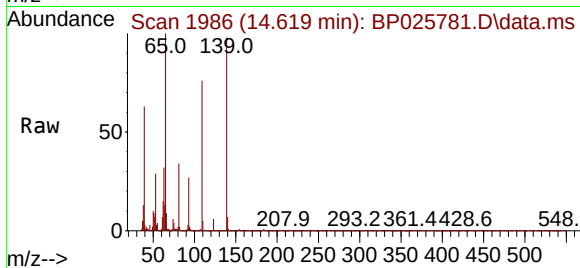




#56
4-Nitrophenol
Concen: 101.319 ng
RT: 14.619 min Scan# 1986
Delta R.T. -0.000 min
Lab File: BP025781.D
Acq: 18 Sep 2025 13:03

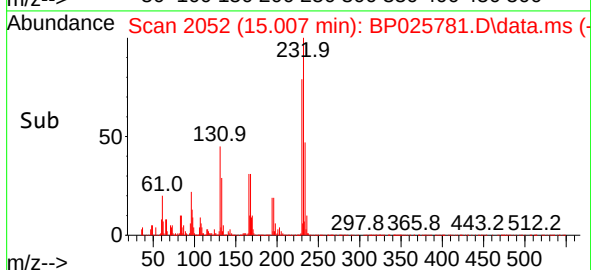
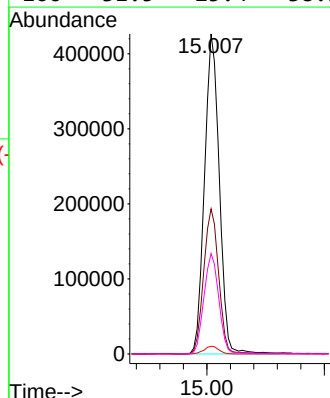
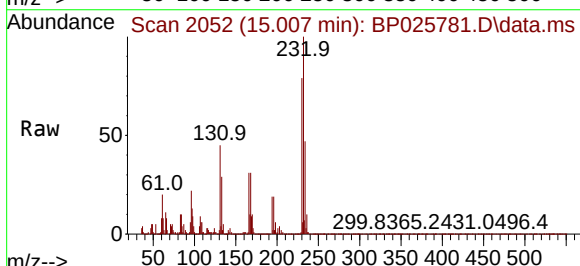
Instrument :
BNA_P
ClientSampleId :
WP0925-PT-ACIDS-WP

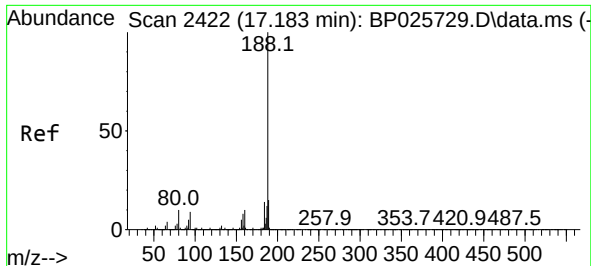
Tgt Ion:139 Resp: 500198
Ion Ratio Lower Upper
139 100
109 77.5 62.9 102.9
65 102.5 83.4 123.4



#59
2,3,4,6-Tetrachlorophenol
Concen: 112.495 ng
RT: 15.007 min Scan# 2052
Delta R.T. -0.018 min
Lab File: BP025781.D
Acq: 18 Sep 2025 13:03

Tgt Ion:232 Resp: 747879
Ion Ratio Lower Upper
232 100
131 45.9 36.7 55.1
130 2.4 2.0 3.0
166 31.5 25.4 38.2

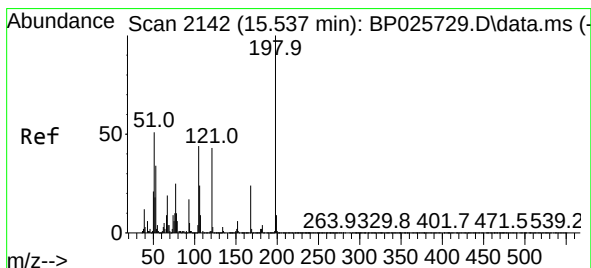
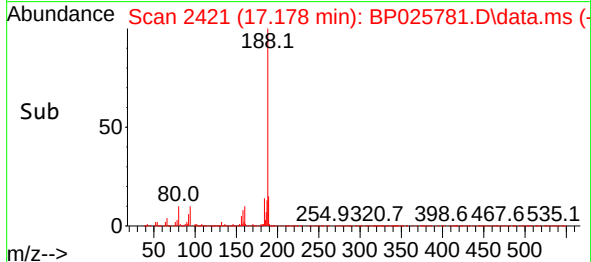
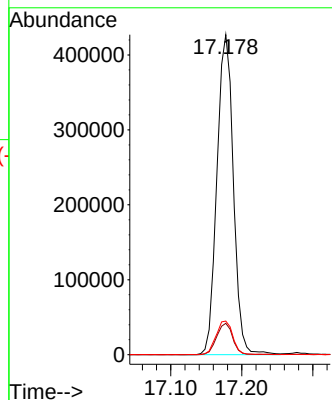
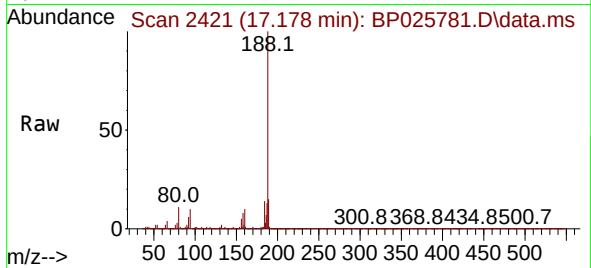




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.178 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025781.D
Acq: 18 Sep 2025 13:03

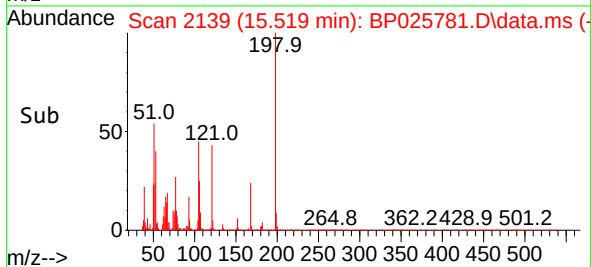
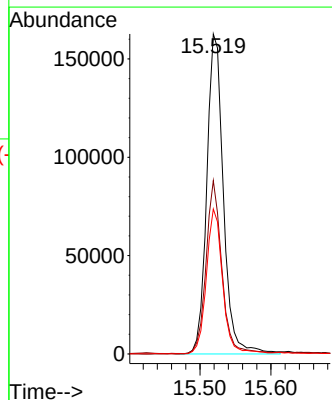
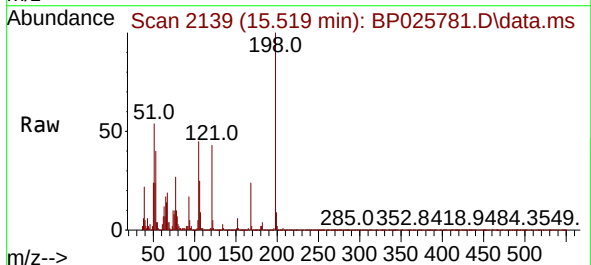
Instrument :
BNA_P
ClientSampleId :
WP0925-PT-ACIDS-WP

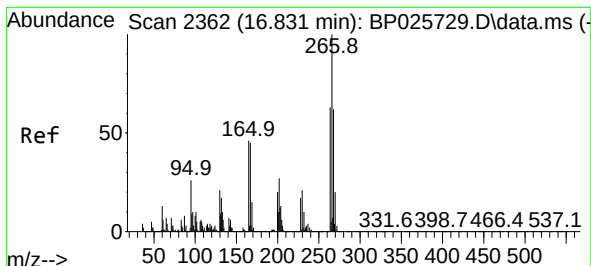
Tgt Ion:188 Resp: 684288
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.0
80 10.5 7.7 11.5



#65
4,6-Dinitro-2-methylphenol
Concen: 58.366 ng
RT: 15.519 min Scan# 2139
Delta R.T. -0.018 min
Lab File: BP025781.D
Acq: 18 Sep 2025 13:03

Tgt Ion:198 Resp: 265611
Ion Ratio Lower Upper
198 100
51 54.2 33.4 73.4
105 45.3 24.3 64.3





#70

Pentachlorophenol

Concen: 52.792 ng

RT: 16.825 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025781.D

Acq: 18 Sep 2025 13:03

Instrument :

BNA_P

ClientSampleId :

WP0925-PT-ACIDS-WP

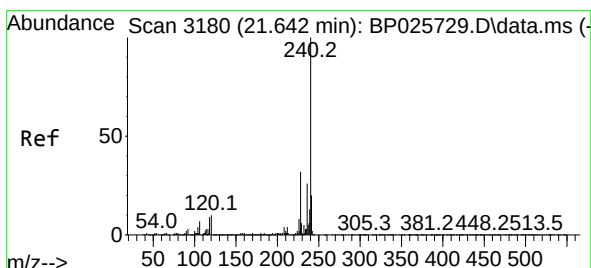
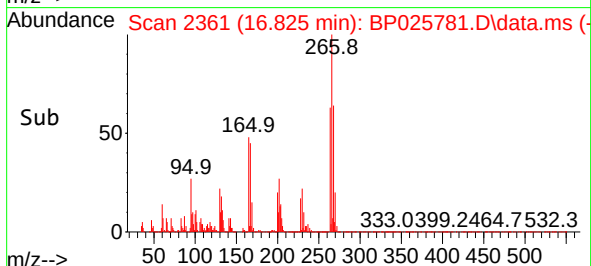
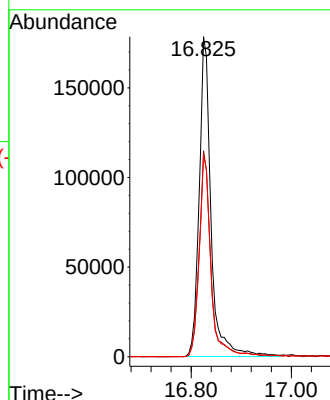
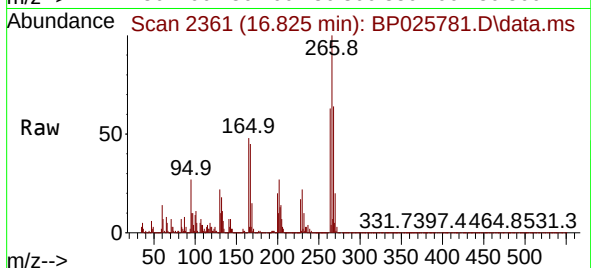
Tgt Ion:266 Resp: 292095

Ion Ratio Lower Upper

266 100

268 64.4 49.8 74.8

264 62.8 50.2 75.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.642 min Scan# 3180

Delta R.T. -0.000 min

Lab File: BP025781.D

Acq: 18 Sep 2025 13:03

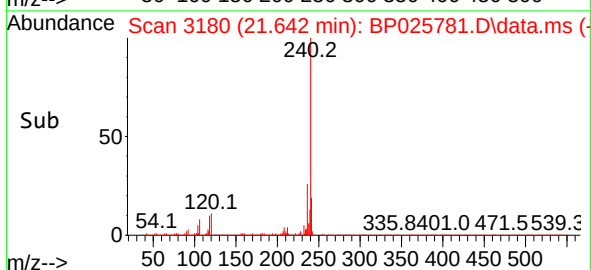
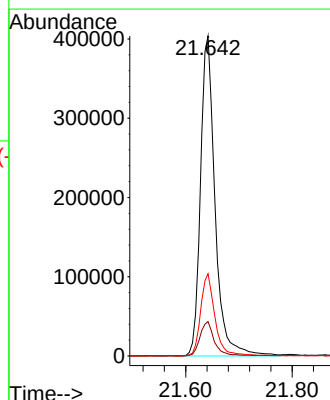
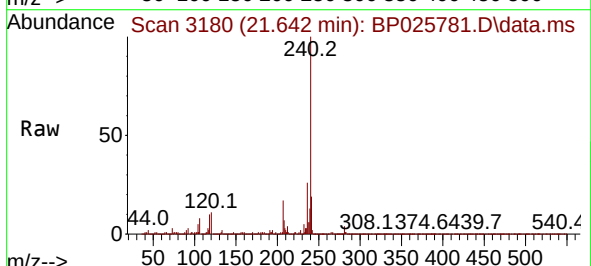
Tgt Ion:240 Resp: 765630

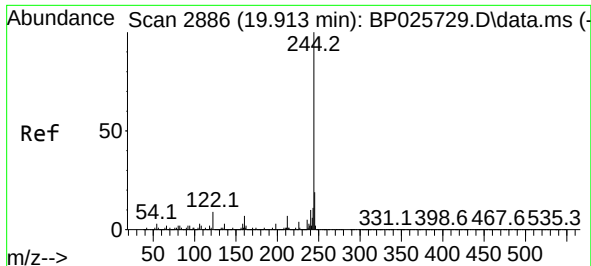
Ion Ratio Lower Upper

240 100

120 10.8 8.0 12.0

236 25.7 20.7 31.1





#79

Terphenyl-d14

Concen: 85.027 ng

RT: 19.913 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP025781.D

Acq: 18 Sep 2025 13:03

Instrument :

BNA_P

ClientSampleId :

WP0925-PT-ACIDS-WP

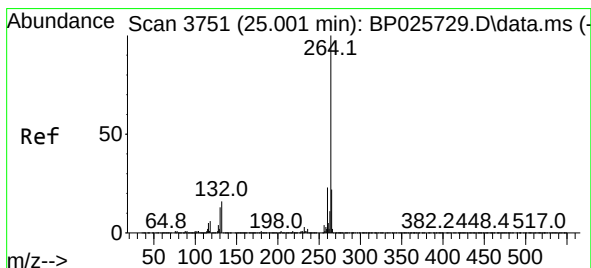
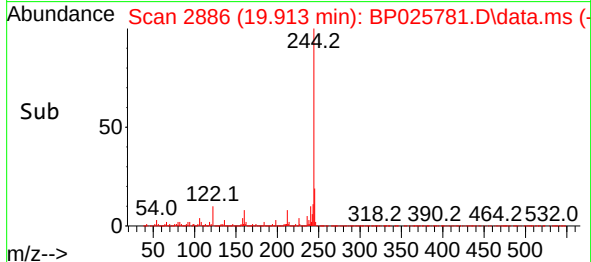
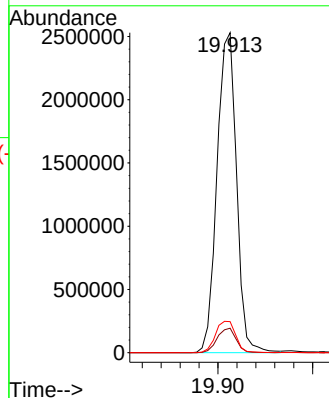
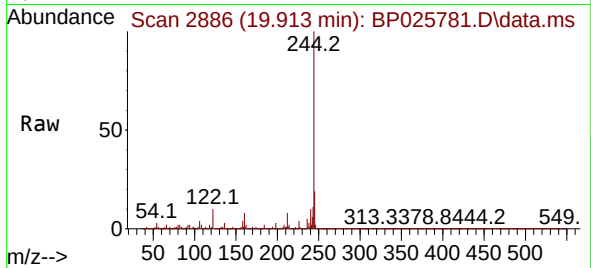
Tgt Ion:244 Resp: 3618648

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

122 9.7 7.1 10.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.012 min Scan# 3753

Delta R.T. 0.012 min

Lab File: BP025781.D

Acq: 18 Sep 2025 13:03

Tgt Ion:264 Resp: 798049

Ion Ratio Lower Upper

264 100

260 24.4 18.3 27.5

265 21.9 17.3 25.9

