

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091923\
 Data File : BM041905.D
 Acq On : 19 Sep 2023 14:37
 Operator : MA/JU
 Sample : 04346-06DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PT-ACIDS-WPDL

Quant Time: Sep 19 15:26:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 19 04:49:34 2023
 Response via : Initial Calibration

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

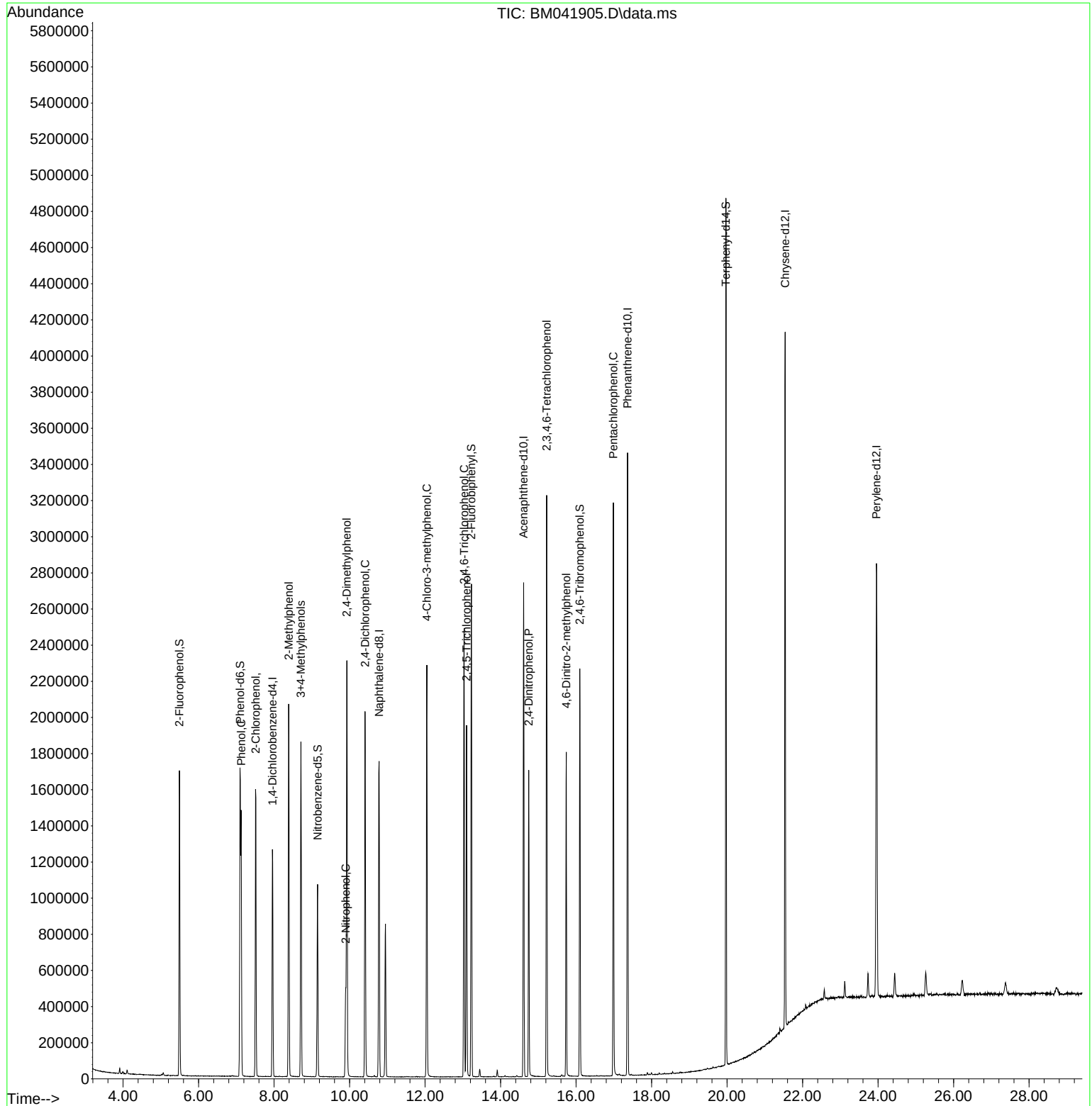
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.957	152	329114	20.000	ng	-0.01
21) Naphthalene-d8	10.781	136	1388078	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	890307	20.000	ng	0.00
64) Phenanthrene-d10	17.363	188	1946607	20.000	ng	0.00
76) Chrysene-d12	21.539	240	1747085	20.000	ng	0.00
86) Perylene-d12	23.956	264	1852628	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	686198	34.728	ng	-0.01
7) Phenol-d6	7.099	99	927284	33.799	ng	-0.01
23) Nitrobenzene-d5	9.152	82	575654	21.115	ng	-0.01
42) 2,4,6-Tribromophenol	16.098	330	371070	33.405	ng	-0.01
45) 2-Fluorobiphenyl	13.228	172	1368647	22.564	ng	0.00
79) Terphenyl-d14	19.968	244	2160578	22.523	ng	0.00
Target Compounds						Qvalue
8) 2-Chlorophenol	7.516	128	659288	29.969	ng	96
10) Phenol	7.128	94	724952	25.743	ng	100
17) 2-Methylphenol	8.387	107	576877	28.171	ng	99
20) 3+4-Methylphenols	8.710	107	778134	27.684	ng	89
26) 2-Nitrophenol	9.899	139	131597	10.797	ng	100
27) 2,4-Dimethylphenol	9.928	122	642596	29.317	ng	99
29) 2,4-Dichlorophenol	10.410	162	669079	31.542	ng	98
36) 4-Chloro-3-methylphenol	12.045	107	740104	31.307	ng	98
43) 2,4,6-Trichlorophenol	13.034	196	535312	30.465	ng	100
44) 2,4,5-Trichlorophenol	13.098	196	458223	22.282	ng	99
54) 2,4-Dinitrophenol	14.745	184	295482	33.919	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.222	232	587129	34.784	ng	98
65) 4,6-Dinitro-2-methylph...	15.739	198	330157	29.536	ng	99
70) Pentachlorophenol	16.986	266	518201	32.292	ng	99

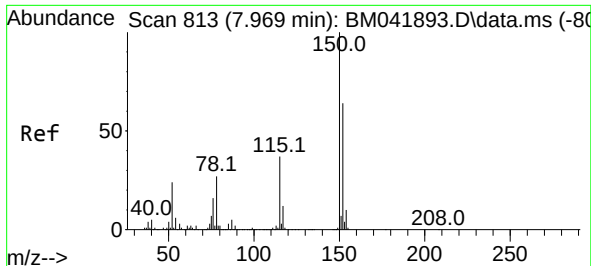
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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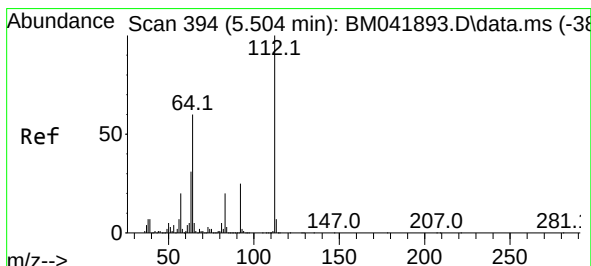
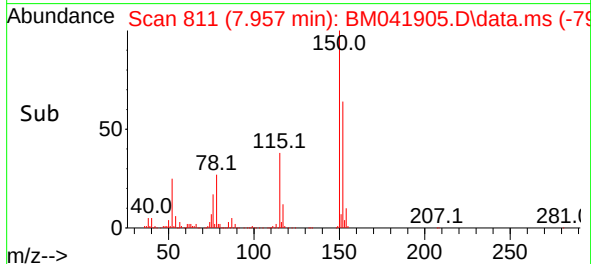
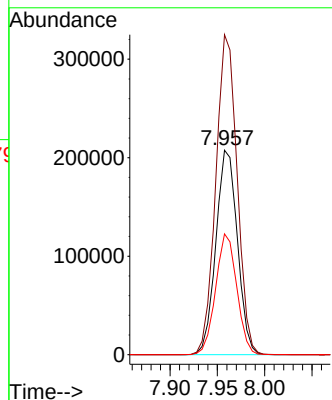
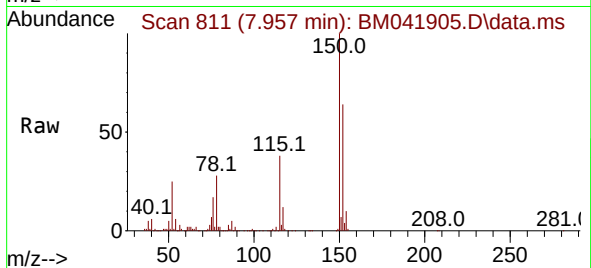




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.957 min Scan# 811
Delta R.T. -0.012 min
Lab File: BM041905.D
Acq: 19 Sep 2023 14:37

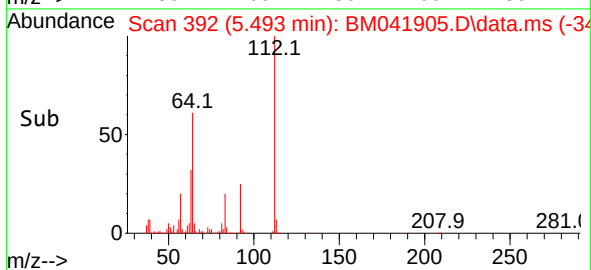
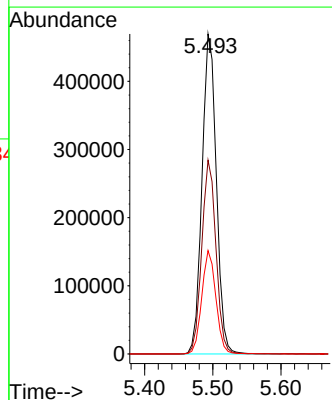
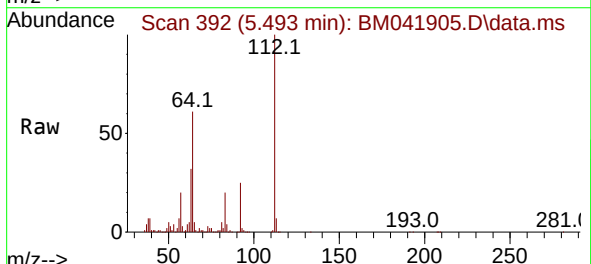
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WPDL

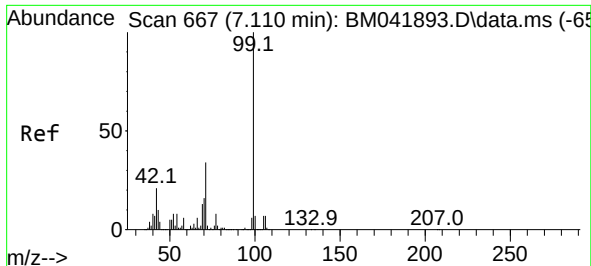
Tgt Ion:152 Resp: 329114
Ion Ratio Lower Upper
152 100
150 156.5 125.9 188.9
115 59.1 46.8 70.2



#5
2-Fluorophenol
Concen: 34.728 ng
RT: 5.493 min Scan# 392
Delta R.T. -0.012 min
Lab File: BM041905.D
Acq: 19 Sep 2023 14:37

Tgt Ion:112 Resp: 686198
Ion Ratio Lower Upper
112 100
64 60.5 48.1 72.1
63 32.3 25.0 37.6

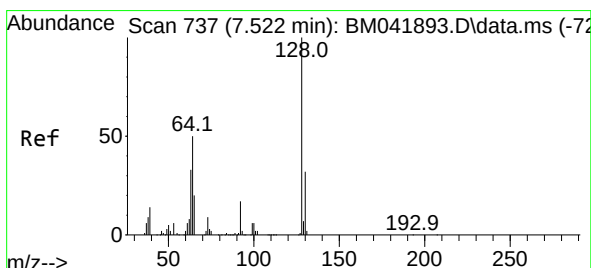
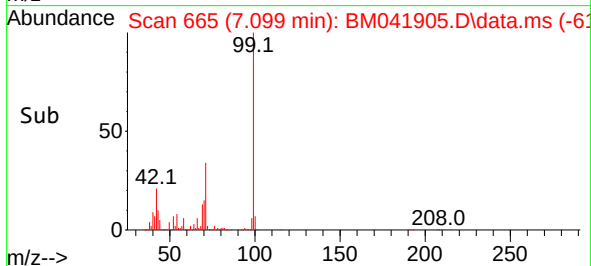
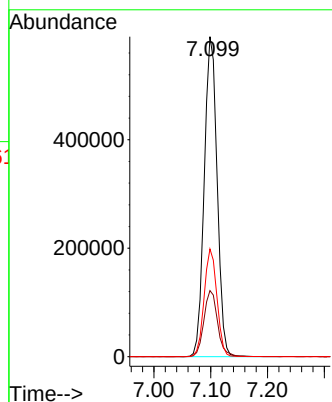
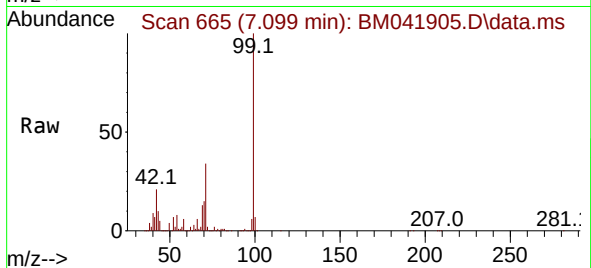




#7
Phenol-d6
Concen: 33.799 ng
RT: 7.099 min Scan# 667
Delta R.T. -0.012 min
Lab File: BM041905.D
Acq: 19 Sep 2023 14:37

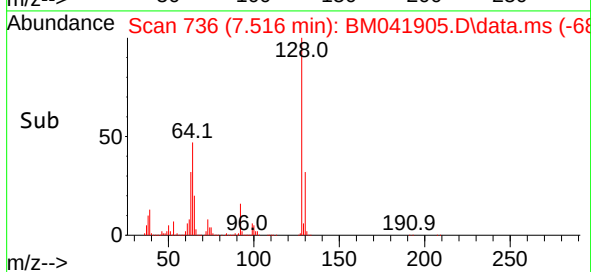
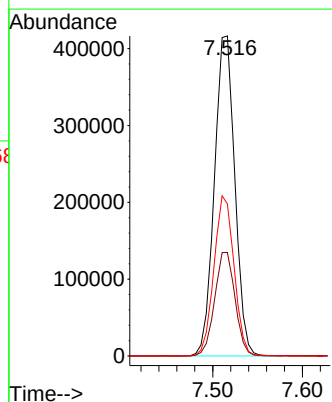
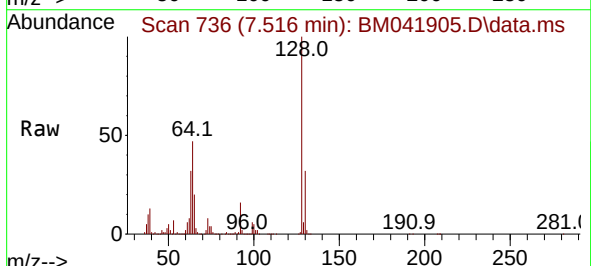
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WPDL

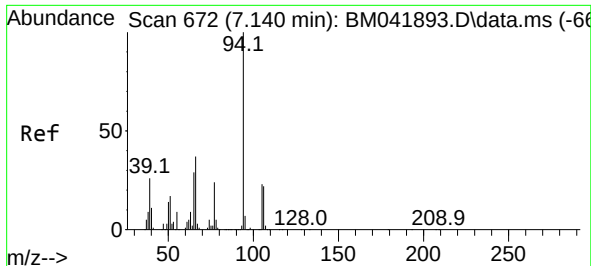
Tgt Ion: 99 Resp: 927284
Ion Ratio Lower Upper
99 100
42 20.6 16.6 25.0
71 33.7 26.8 40.2



#8
2-Chlorophenol
Concen: 29.969 ng
RT: 7.516 min Scan# 736
Delta R.T. -0.006 min
Lab File: BM041905.D
Acq: 19 Sep 2023 14:37

Tgt Ion:128 Resp: 659288
Ion Ratio Lower Upper
128 100
130 32.4 12.4 52.4
64 47.5 31.7 71.7

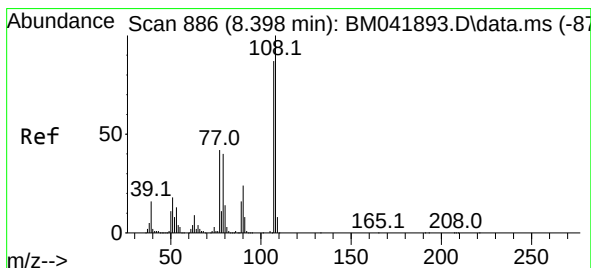
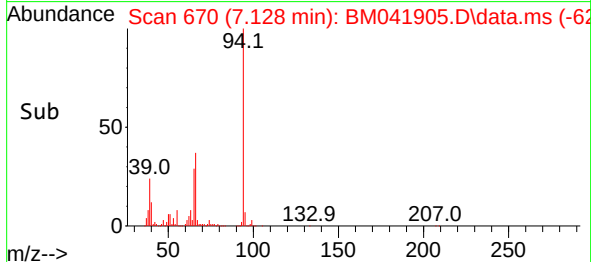
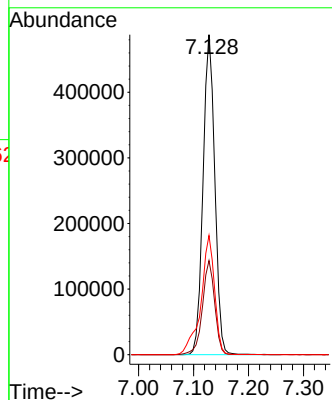
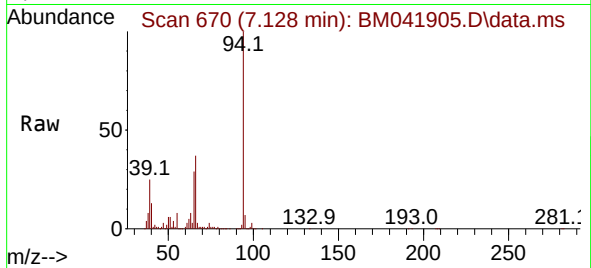




#10
Phenol
Concen: 25.743 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM041905.D
Acq: 19 Sep 2023 14:37

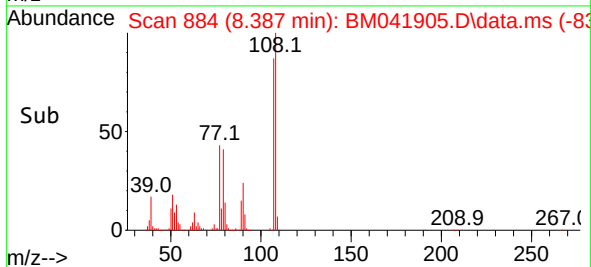
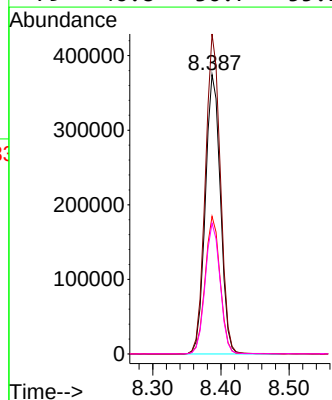
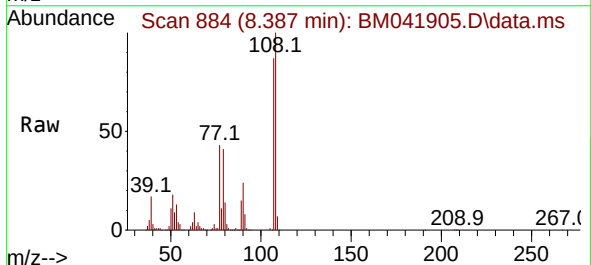
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WPDL

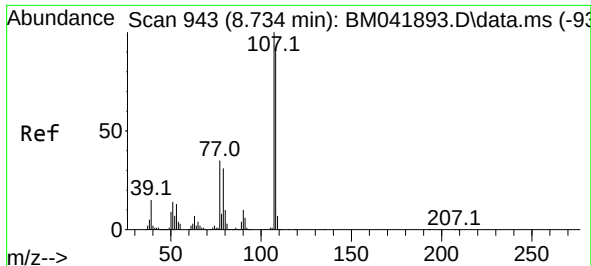
Tgt Ion: 94 Resp: 724952
Ion Ratio Lower Upper
94 100
65 29.4 9.1 49.1
66 37.3 17.3 57.3



#17
2-Methylphenol
Concen: 28.171 ng
RT: 8.387 min Scan# 884
Delta R.T. -0.012 min
Lab File: BM041905.D
Acq: 19 Sep 2023 14:37

Tgt Ion: 107 Resp: 576877
Ion Ratio Lower Upper
107 100
108 114.6 91.9 137.9
77 49.3 39.0 58.6
79 46.8 36.7 55.1





#20

3+4-Methylphenols

Concen: 27.684 ng

RT: 8.710 min Scan# 91

Delta R.T. -0.023 min

Lab File: BM041905.D

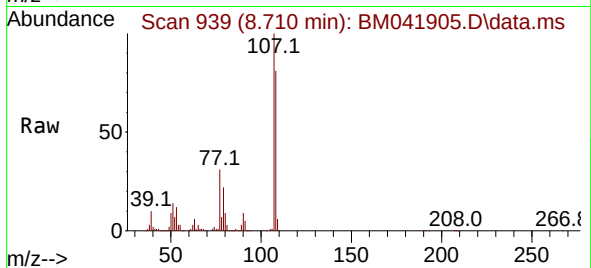
Acq: 19 Sep 2023 14:37

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WPDL



Tgt Ion:107 Resp: 778134

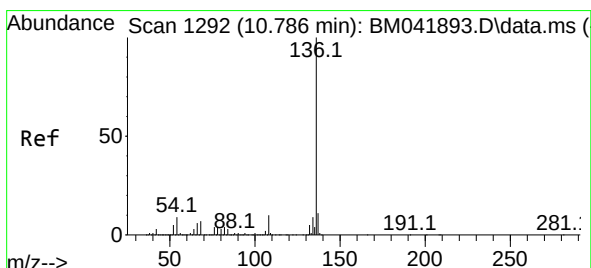
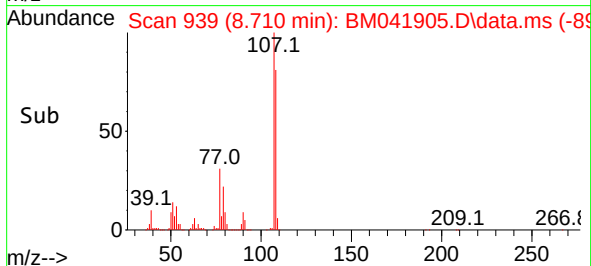
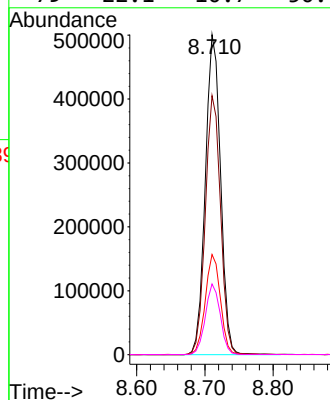
Ion Ratio Lower Upper

107 100

108 80.9 71.5 111.5

77 31.3 14.9 54.9

79 22.1 10.7 50.7



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.781 min Scan# 1291

Delta R.T. -0.006 min

Lab File: BM041905.D

Acq: 19 Sep 2023 14:37

Tgt Ion:136 Resp: 1388078

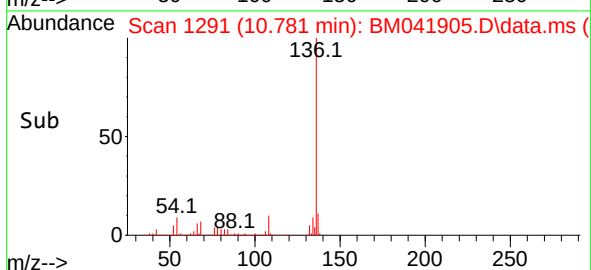
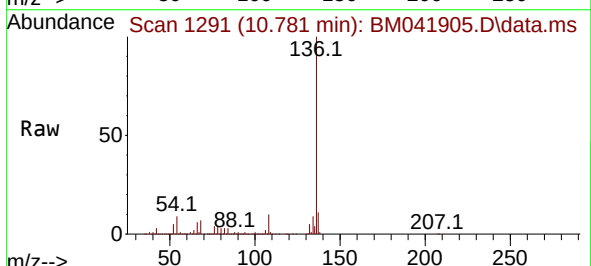
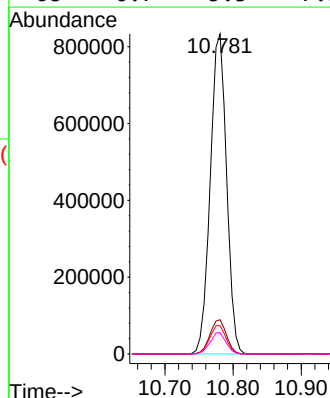
Ion Ratio Lower Upper

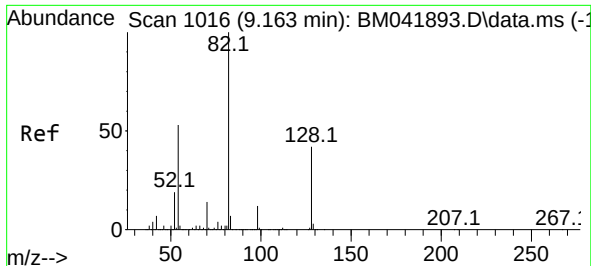
136 100

137 10.7 8.6 13.0

54 8.9 7.0 10.4

68 6.7 5.3 7.9

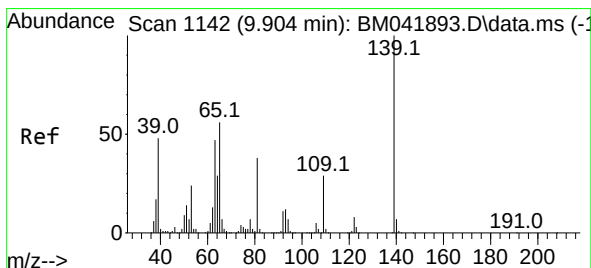
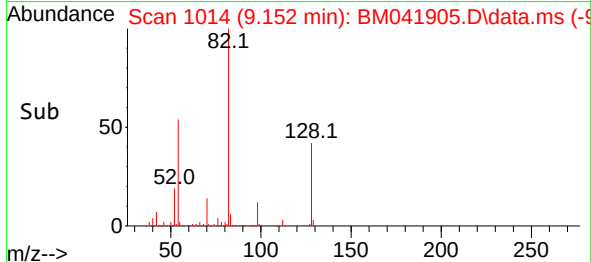
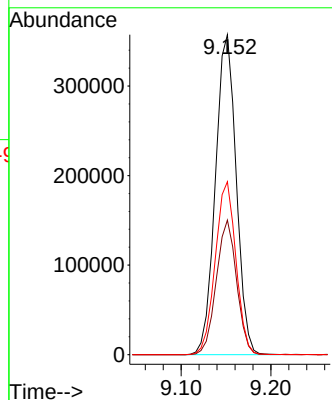
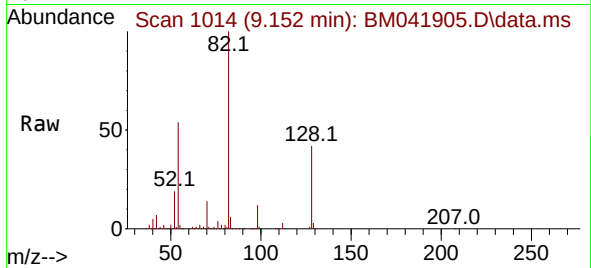




#23
Nitrobenzene-d5
Concen: 21.115 ng
RT: 9.152 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BM041905.D
Acq: 19 Sep 2023 14:37

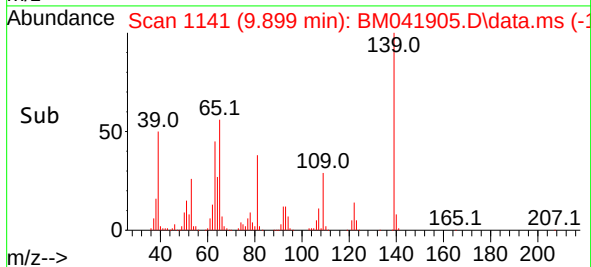
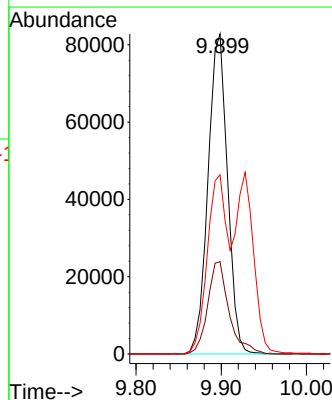
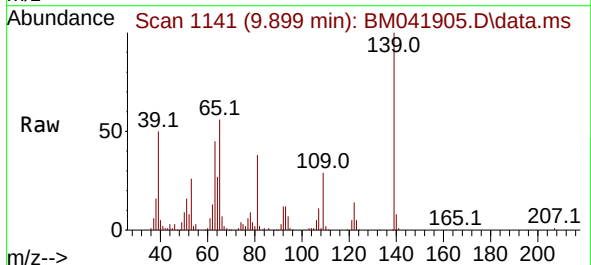
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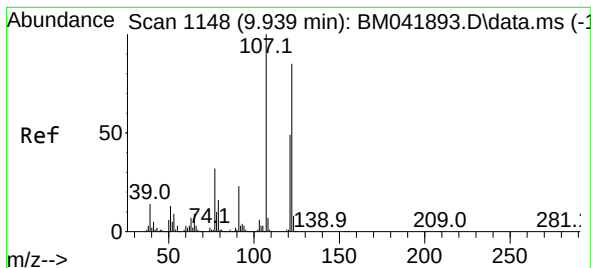
Tgt Ion: 82 Resp: 575654
Ion Ratio Lower Upper
82 100
128 42.1 33.8 50.6
54 54.0 42.8 64.2



#26
2-Nitrophenol
Concen: 10.797 ng
RT: 9.899 min Scan# 1141
Delta R.T. -0.006 min
Lab File: BM041905.D
Acq: 19 Sep 2023 14:37

Tgt Ion:139 Resp: 131597
Ion Ratio Lower Upper
139 100
109 28.9 23.0 34.4
65 56.0 44.5 66.7

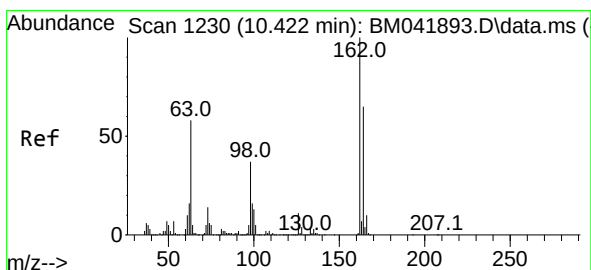
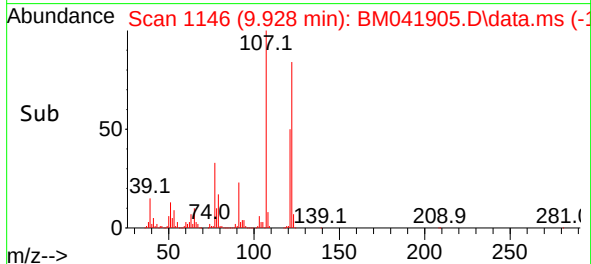
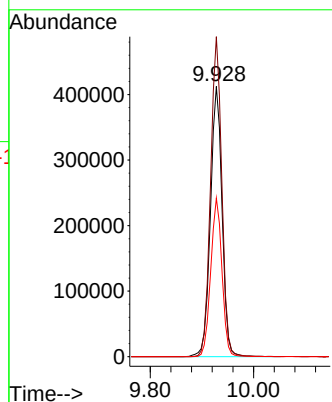
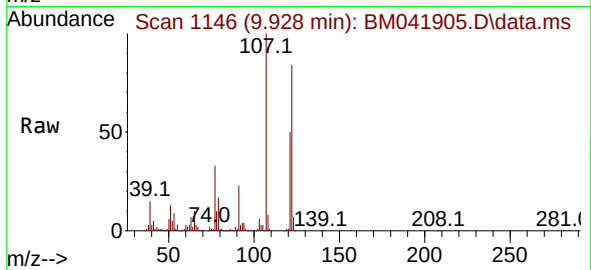




#27
2,4-Dimethylphenol
Concen: 29.317 ng
RT: 9.928 min Scan# 1146
Delta R.T. -0.012 min
Lab File: BM041905.D
Acq: 19 Sep 2023 14:37

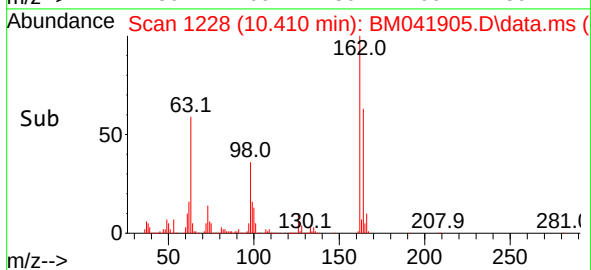
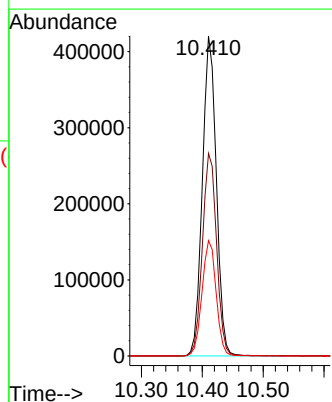
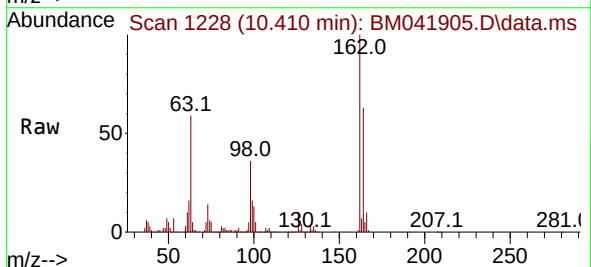
Instrument :
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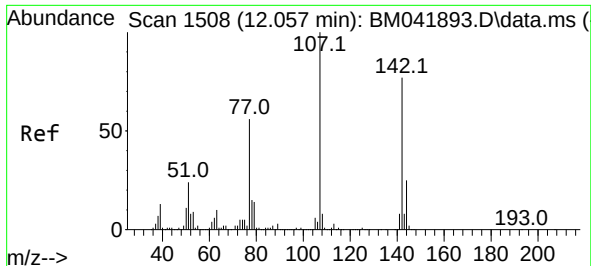
Tgt Ion:122 Resp: 642596
Ion Ratio Lower Upper
122 100
107 118.4 93.8 140.6
121 58.7 46.4 69.6



#29
2,4-Dichlorophenol
Concen: 31.542 ng
RT: 10.410 min Scan# 1228
Delta R.T. -0.012 min
Lab File: BM041905.D
Acq: 19 Sep 2023 14:37

Tgt Ion:162 Resp: 669079
Ion Ratio Lower Upper
162 100
164 63.3 45.2 85.2
98 36.1 16.7 56.7

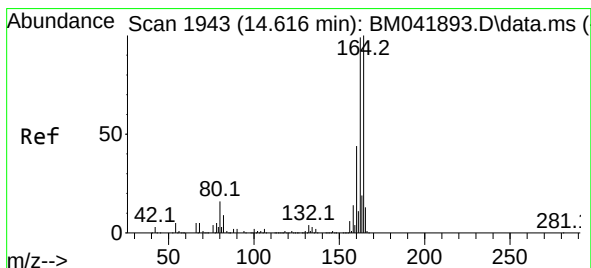
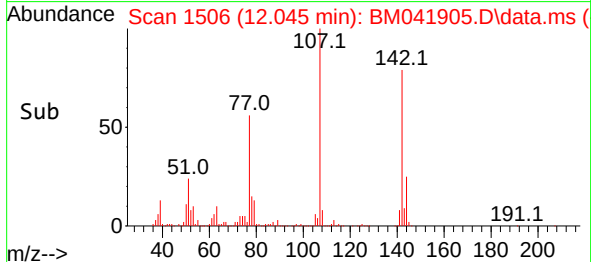
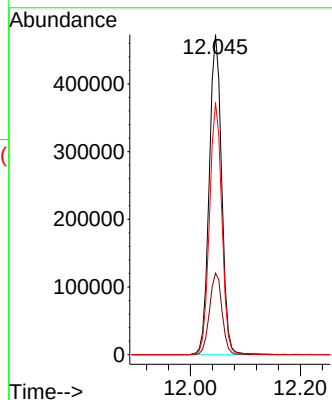
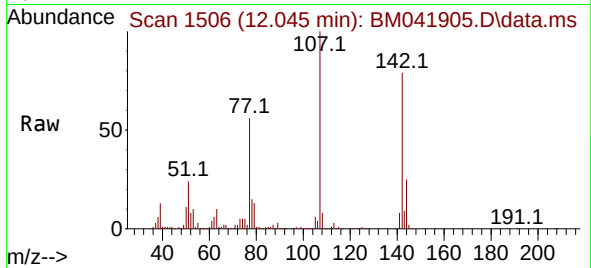




#36
4-Chloro-3-methylphenol
Concen: 31.307 ng
RT: 12.045 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM041905.D
Acq: 19 Sep 2023 14:37

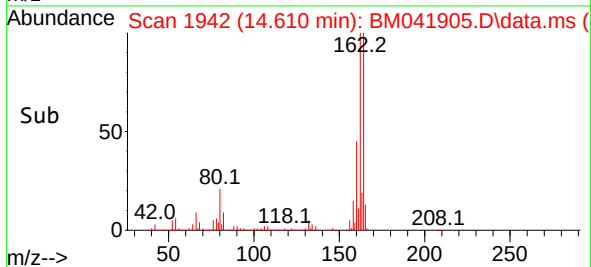
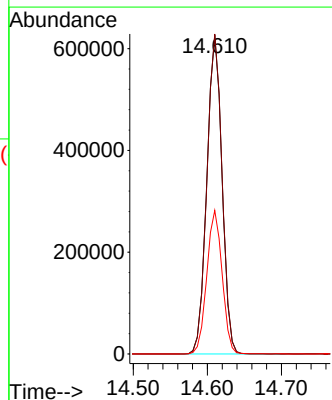
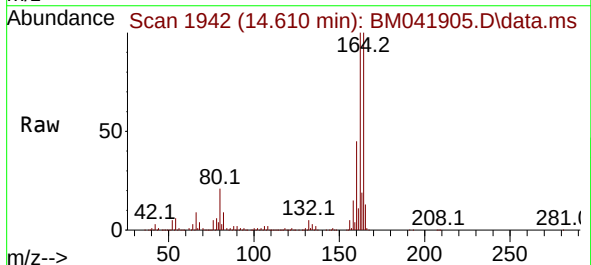
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WPDL

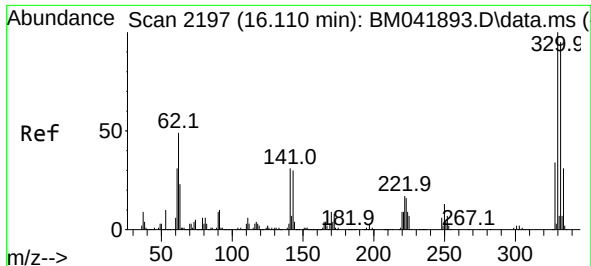
Tgt Ion:107 Resp: 740104
Ion Ratio Lower Upper
107 100
144 25.5 20.2 30.2
142 78.9 61.7 92.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM041905.D
Acq: 19 Sep 2023 14:37

Tgt Ion:164 Resp: 890307
Ion Ratio Lower Upper
164 100
162 100.4 79.3 118.9
160 45.0 35.6 53.4

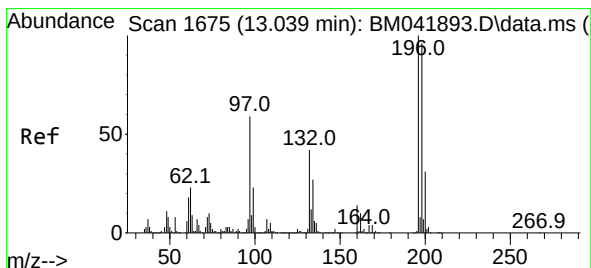
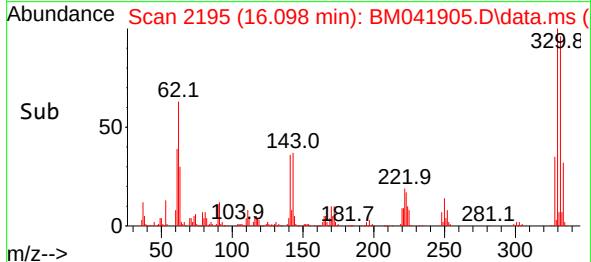
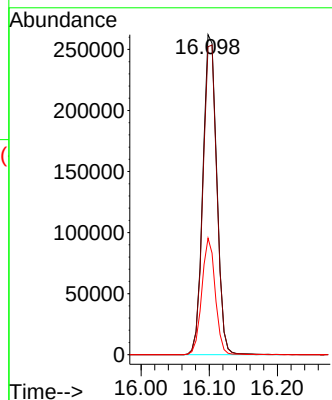
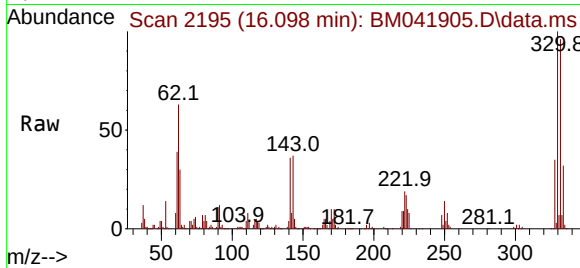




#42
2,4,6-Tribromophenol
Concen: 33.405 ng
RT: 16.098 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BM041905.D
Acq: 19 Sep 2023 14:37

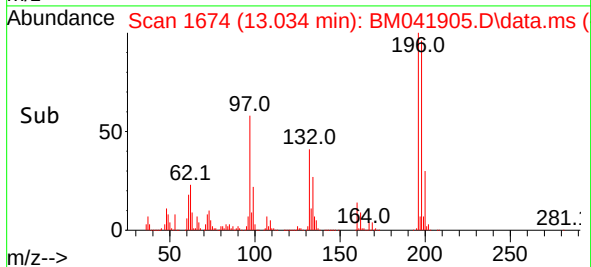
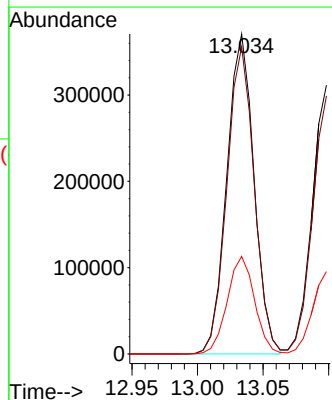
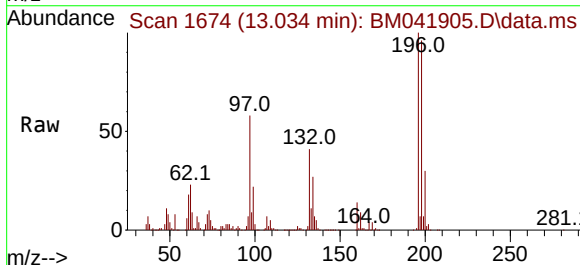
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WPDL

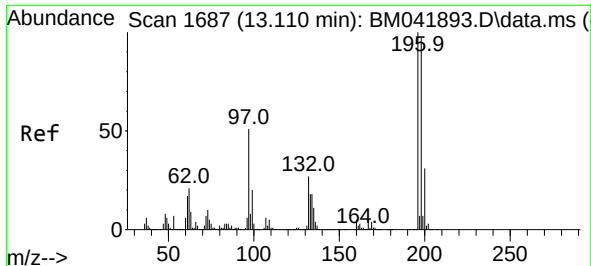
Tgt Ion:330 Resp: 371070
Ion Ratio Lower Upper
330 100
332 97.4 77.8 116.6
141 35.2 27.0 40.4



#43
2,4,6-Trichlorophenol
Concen: 30.465 ng
RT: 13.034 min Scan# 1674
Delta R.T. -0.006 min
Lab File: BM041905.D
Acq: 19 Sep 2023 14:37

Tgt Ion:196 Resp: 535312
Ion Ratio Lower Upper
196 100
198 96.0 76.9 115.3
200 30.5 24.7 37.1

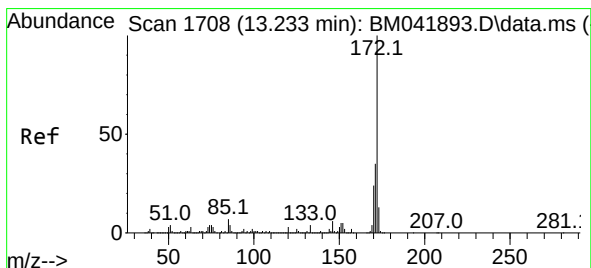
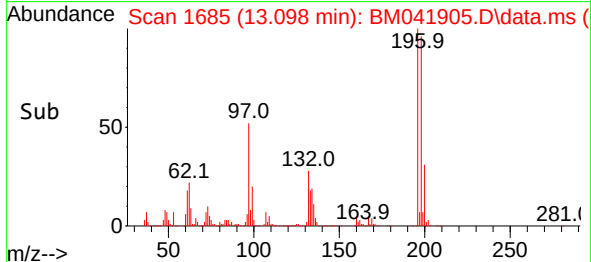
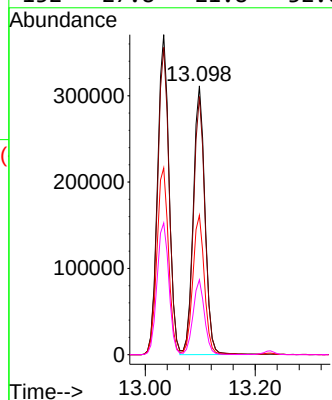
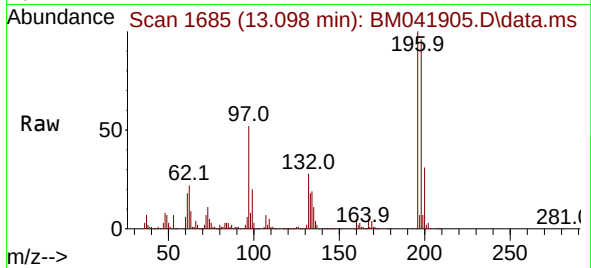




#44
2,4,5-Trichlorophenol
Concen: 22.282 ng
RT: 13.098 min Scan# 1107
Delta R.T. -0.012 min
Lab File: BM041905.D
Acq: 19 Sep 2023 14:37

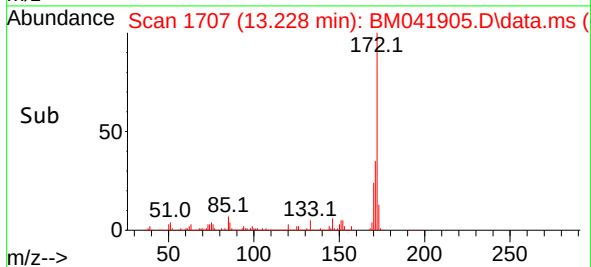
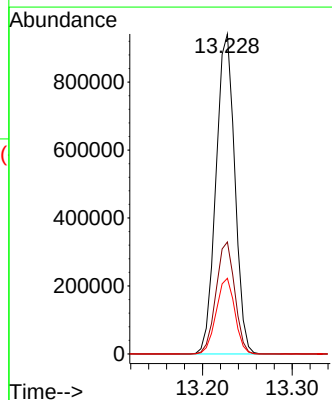
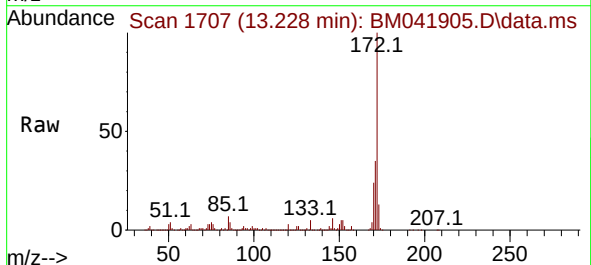
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WPDL

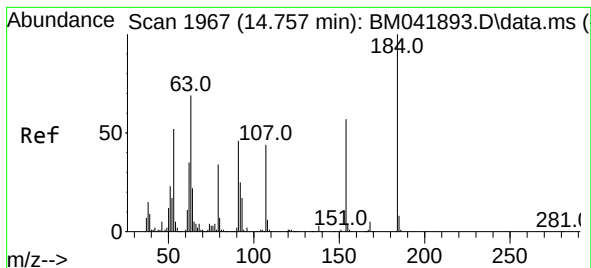
Tgt Ion:196 Resp: 458223
Ion Ratio Lower Upper
196 100
198 96.0 77.2 115.8
97 51.8 41.1 61.7
132 27.8 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 22.564 ng
RT: 13.228 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM041905.D
Acq: 19 Sep 2023 14:37

Tgt Ion:172 Resp: 1368647
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 23.6 19.1 28.7

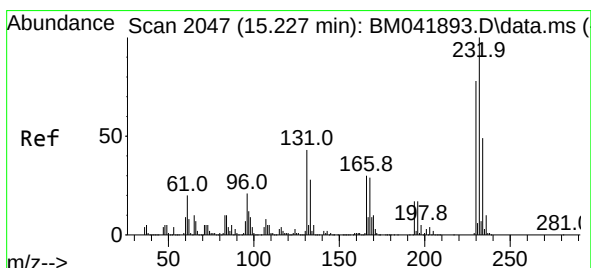
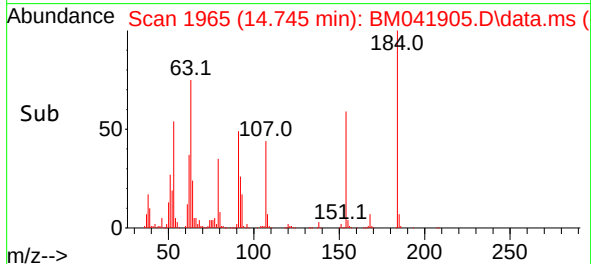
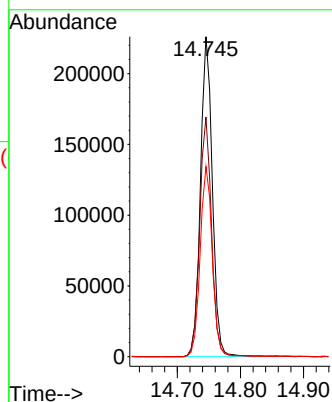
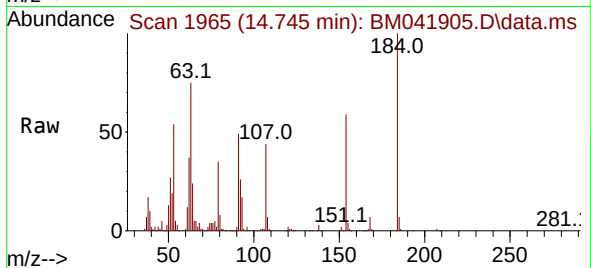




#54
2,4-Dinitrophenol
Concen: 33.919 ng
RT: 14.745 min Scan# 1965
Delta R.T. -0.012 min
Lab File: BM041905.D
Acq: 19 Sep 2023 14:37

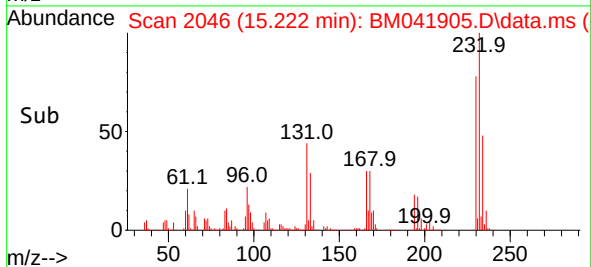
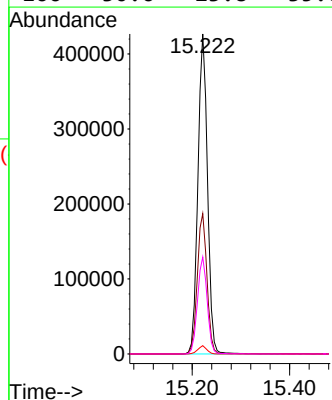
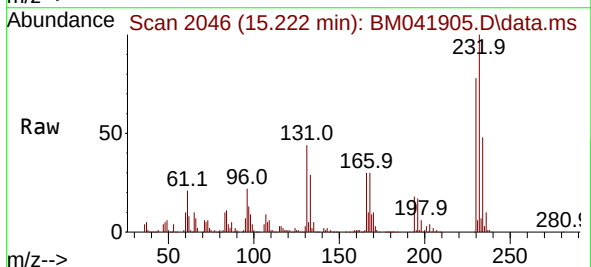
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WPDL

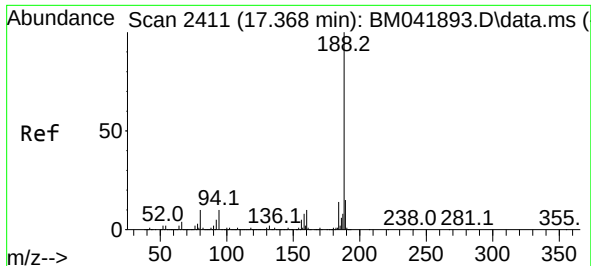
Tgt Ion:184 Resp: 295482
Ion Ratio Lower Upper
184 100
63 74.8 55.8 83.8
154 59.4 48.9 73.3



#59
2,3,4,6-Tetrachlorophenol
Concen: 34.784 ng
RT: 15.222 min Scan# 2046
Delta R.T. -0.006 min
Lab File: BM041905.D
Acq: 19 Sep 2023 14:37

Tgt Ion:232 Resp: 587129
Ion Ratio Lower Upper
232 100
131 44.4 34.6 51.8
130 2.4 1.8 2.8
166 30.6 23.8 35.6

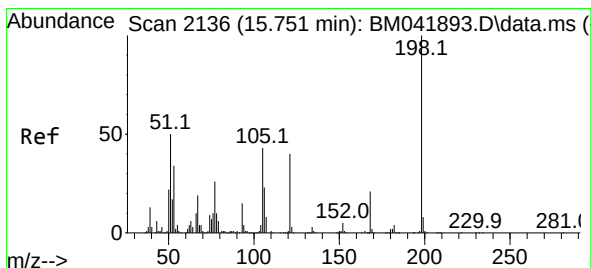
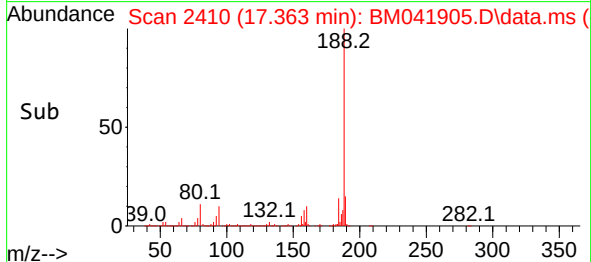
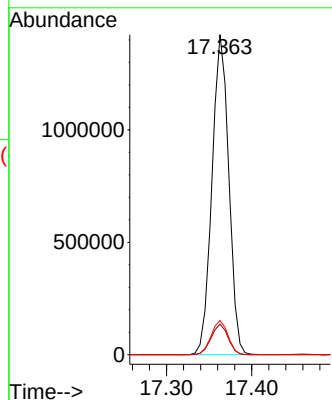
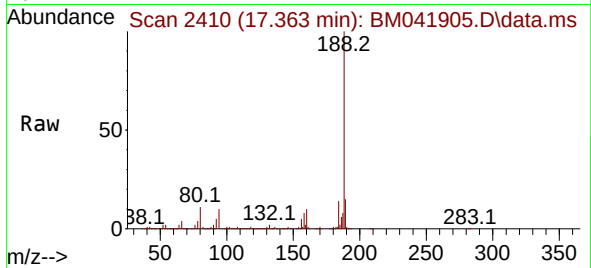




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.363 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BM041905.D
Acq: 19 Sep 2023 14:37

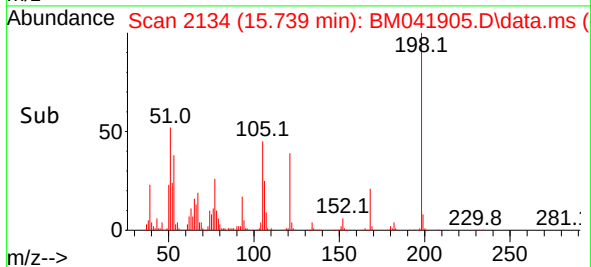
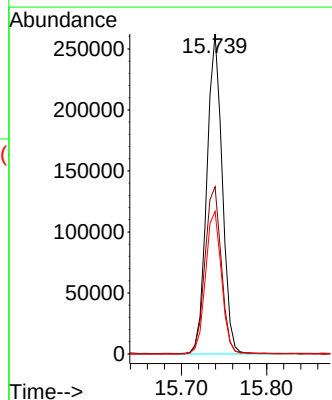
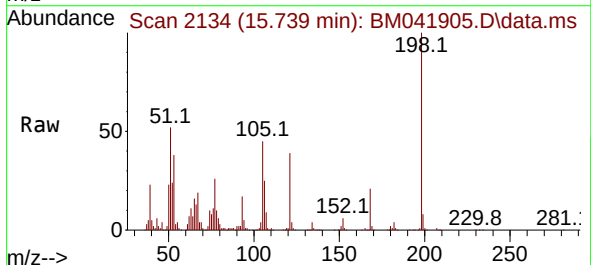
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WPDL

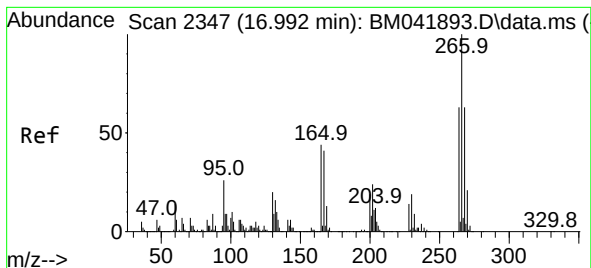
Tgt Ion:188 Resp: 1946607
Ion Ratio Lower Upper
188 100
94 9.6 7.6 11.4
80 10.7 8.3 12.5



#65
4,6-Dinitro-2-methylphenol
Concen: 29.536 ng
RT: 15.739 min Scan# 2134
Delta R.T. -0.012 min
Lab File: BM041905.D
Acq: 19 Sep 2023 14:37

Tgt Ion:198 Resp: 330157
Ion Ratio Lower Upper
198 100
51 52.3 32.0 72.0
105 44.6 23.6 63.6





#70

Pentachlorophenol

Concen: 32.292 ng

RT: 16.986 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM041905.D

Acq: 19 Sep 2023 14:37

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WPDL

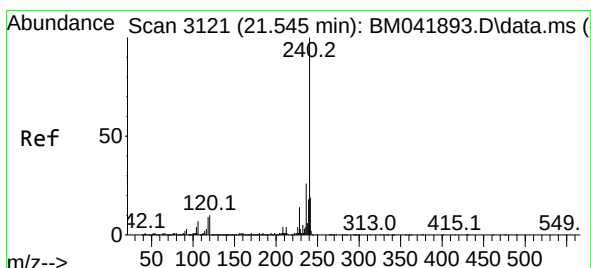
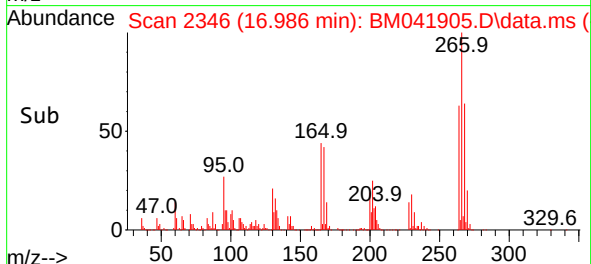
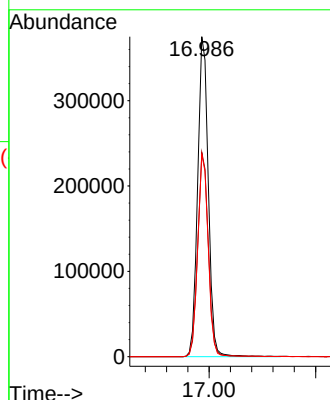
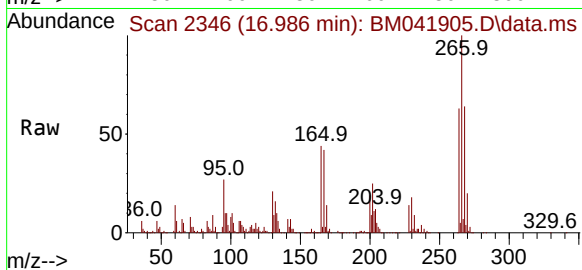
Tgt Ion:266 Resp: 518201

Ion Ratio Lower Upper

266 100

268 63.9 50.5 75.7

264 63.2 50.6 76.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.539 min Scan# 3120

Delta R.T. -0.006 min

Lab File: BM041905.D

Acq: 19 Sep 2023 14:37

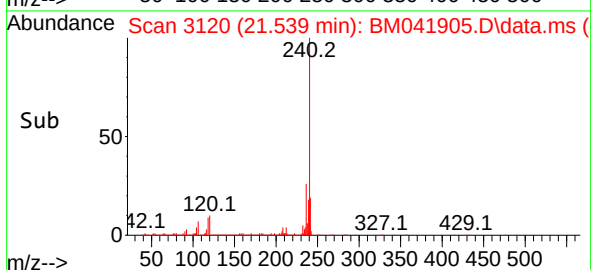
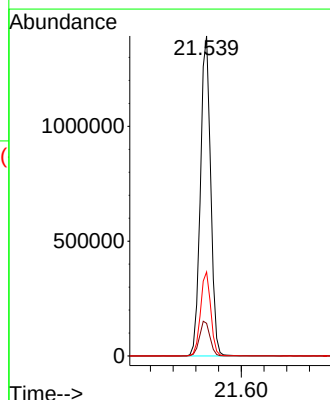
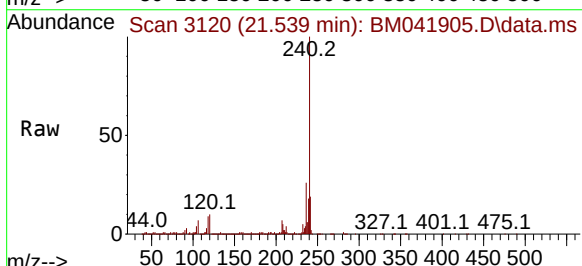
Tgt Ion:240 Resp: 1747085

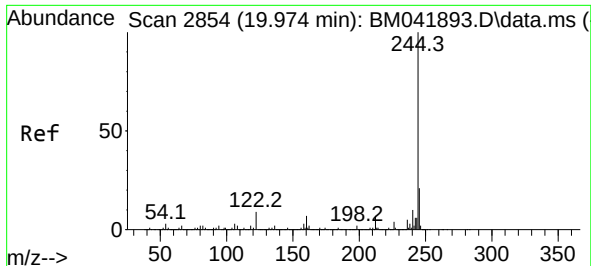
Ion Ratio Lower Upper

240 100

120 10.2 8.1 12.1

236 26.3 20.7 31.1

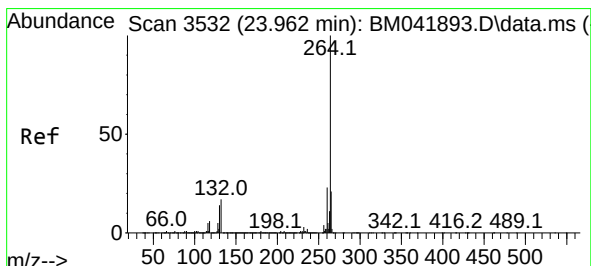
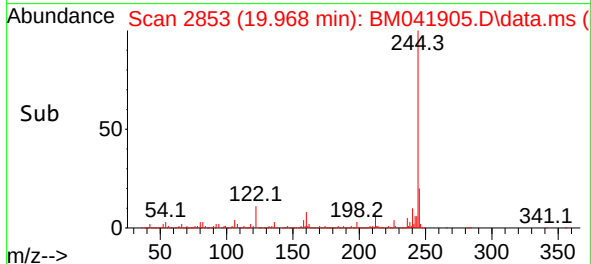
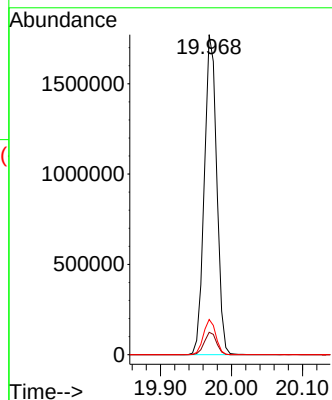
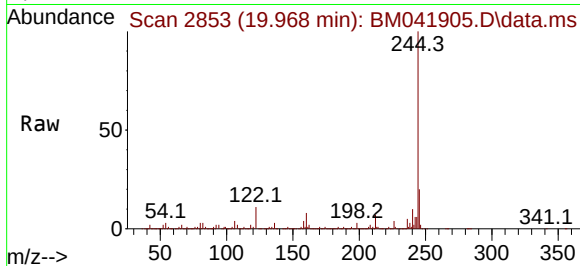




#79
 Terphenyl-d14
 Concen: 22.523 ng
 RT: 19.968 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM041905.D
 Acq: 19 Sep 2023 14:37

Instrument :
 BNA_M
 ClientSampleId :
 PT-ACIDS-WPDL

Tgt Ion:244 Resp: 2160578
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 11.0 7.4 11.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.956 min Scan# 3531
 Delta R.T. -0.006 min
 Lab File: BM041905.D
 Acq: 19 Sep 2023 14:37

Tgt Ion:264 Resp: 1852628
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 28.0
 265 21.8 17.0 25.6

