

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091923\
 Data File : BM041904.D
 Acq On : 19 Sep 2023 13:11
 Operator : MA/JU
 Sample : 04346-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PT-ACIDS-WP

Quant Time: Sep 19 14:12:59 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

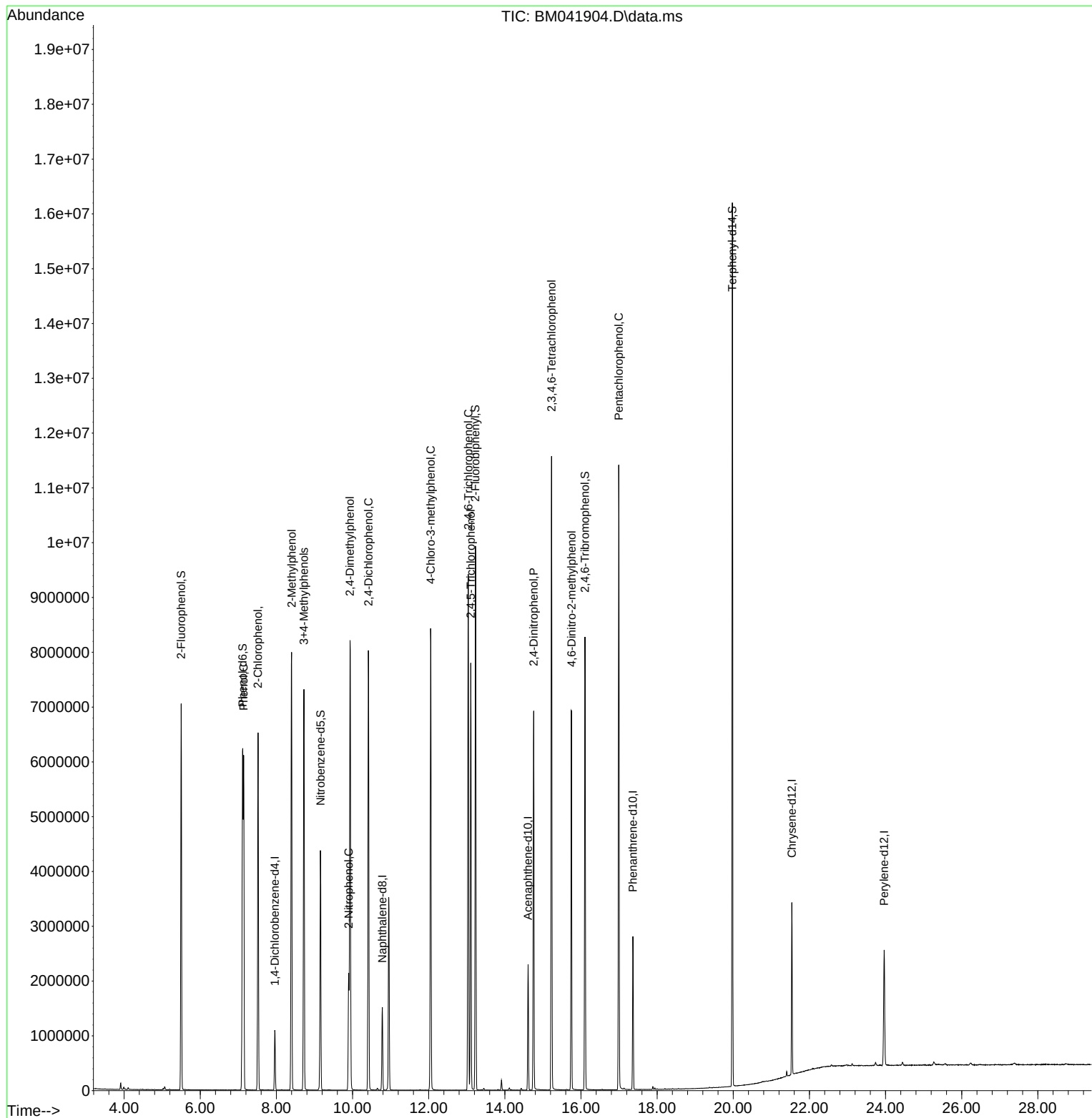
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.957	152	283256	20.000	ng	-0.01
21) Naphthalene-d8	10.780	136	1185994	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	738889	20.000	ng	0.00
64) Phenanthrene-d10	17.362	188	1563013	20.000	ng	0.00
76) Chrysene-d12	21.539	240	1447377	20.000	ng	0.00
86) Perylene-d12	23.962	264	1586679	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	2891478	170.025	ng	0.00
7) Phenol-d6	7.110	99	3891657	164.813	ng	0.00
23) Nitrobenzene-d5	9.157	82	2446706	105.038	ng	0.00
42) 2,4,6-Tribromophenol	16.104	330	1543863	167.463	ng	0.00
45) 2-Fluorobiphenyl	13.227	172	5192448	103.145	ng	0.00
79) Terphenyl-d14	19.974	244	8277963	104.165	ng	0.00
Target Compounds						
8) 2-Chlorophenol	7.516	128	2762692	145.914	ng	99
10) Phenol	7.140	94	3049488	125.817	ng	99
17) 2-Methylphenol	8.398	107	2419506	137.283	ng	99
20) 3+4-Methylphenols	8.722	107	3254522	134.534	ng	90
26) 2-Nitrophenol	9.898	139	603885	57.991	ng	99
27) 2,4-Dimethylphenol	9.933	122	2637008	140.806	ng	98
29) 2,4-Dichlorophenol	10.416	162	2791425	154.018	ng	99
36) 4-Chloro-3-methylphenol	12.051	107	2950840	146.094	ng	98
43) 2,4,6-Trichlorophenol	13.039	196	2269517	155.627	ng	99
44) 2,4,5-Trichlorophenol	13.104	196	1921847	112.606	ng	98
54) 2,4-Dinitrophenol	14.757	184	1421896	196.671	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.227	232	2432280	173.629	ng	95
65) 4,6-Dinitro-2-methylph...	15.751	198	1538812	171.448	ng	93
70) Pentachlorophenol	16.992	266	2182896	169.415	ng	100

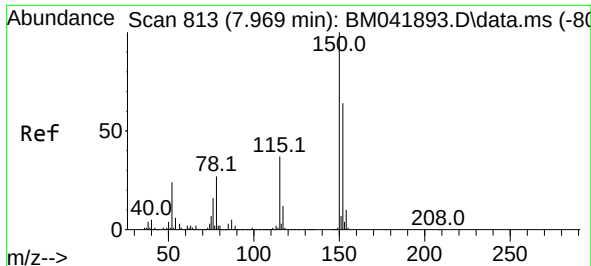
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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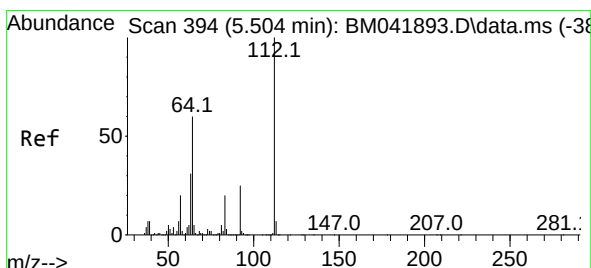
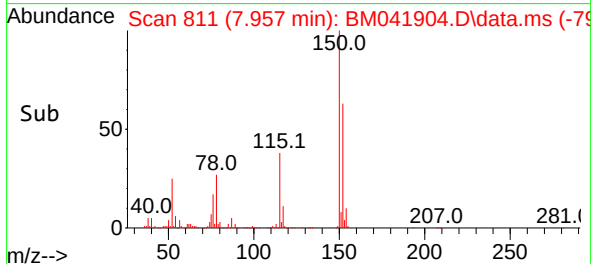
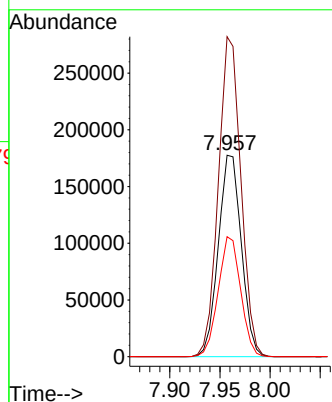
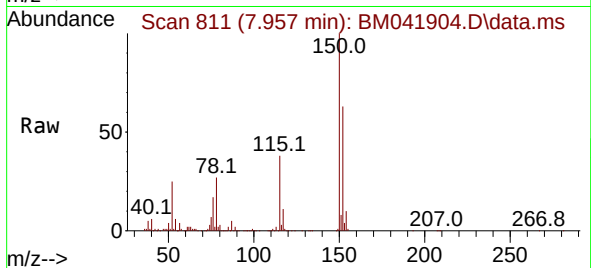




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.957 min Scan# 81
Delta R.T. -0.012 min
Lab File: BM041904.D
Acq: 19 Sep 2023 13:11

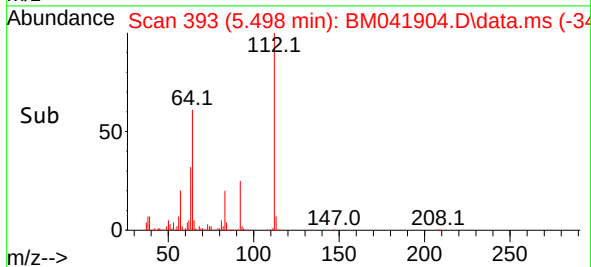
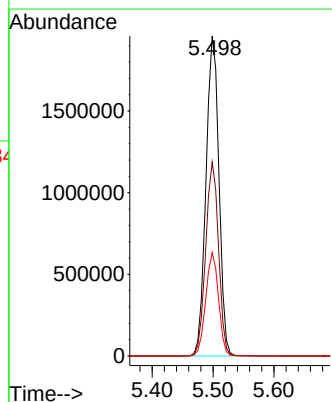
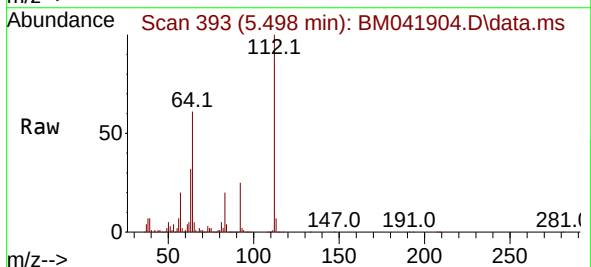
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WP

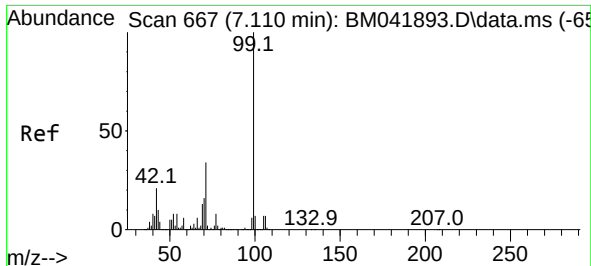
Tgt Ion:152 Resp: 283256
Ion Ratio Lower Upper
152 100
150 158.8 125.9 188.9
115 59.6 46.8 70.2



#5
2-Fluorophenol
Concen: 170.025 ng
RT: 5.498 min Scan# 393
Delta R.T. -0.006 min
Lab File: BM041904.D
Acq: 19 Sep 2023 13:11

Tgt Ion:112 Resp: 2891478
Ion Ratio Lower Upper
112 100
64 60.6 48.1 72.1
63 32.3 25.0 37.6

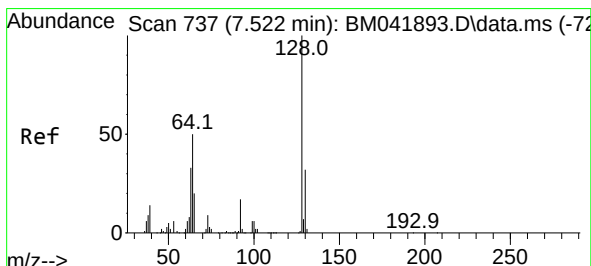
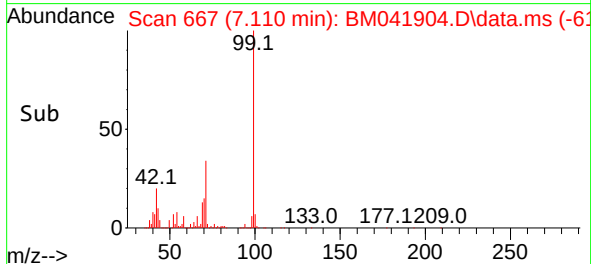
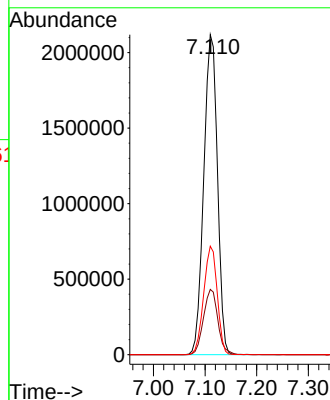
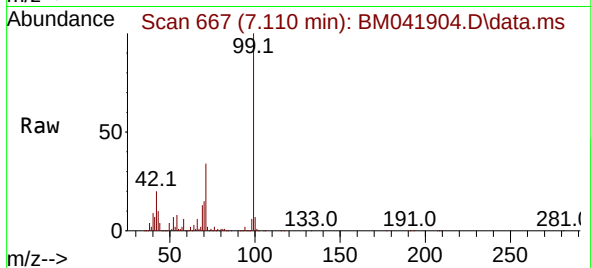




#7
Phenol-d6
Concen: 164.813 ng
RT: 7.110 min Scan# 60
Delta R.T. -0.000 min
Lab File: BM041904.D
Acq: 19 Sep 2023 13:11

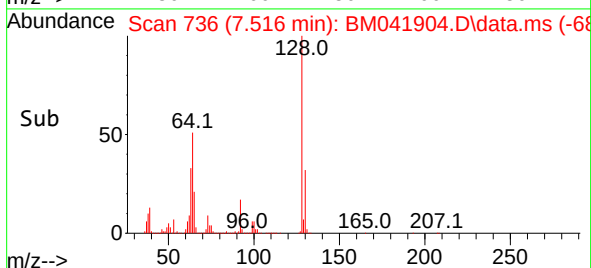
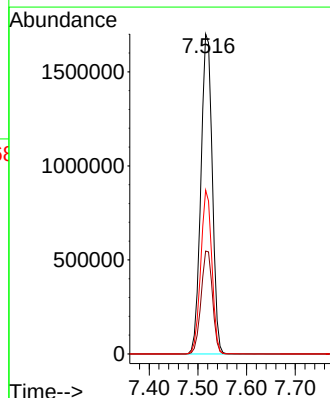
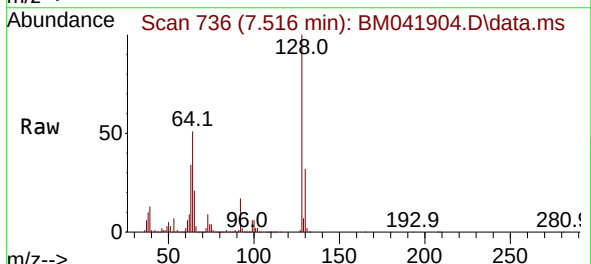
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WP

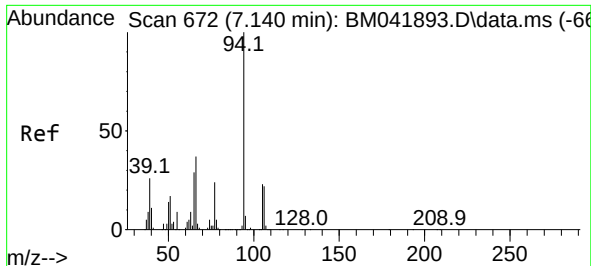
Tgt Ion: 99 Resp: 3891657
Ion Ratio Lower Upper
99 100
42 20.4 16.6 25.0
71 33.9 26.8 40.2



#8
2-Chlorophenol
Concen: 145.914 ng
RT: 7.516 min Scan# 736
Delta R.T. -0.006 min
Lab File: BM041904.D
Acq: 19 Sep 2023 13:11

Tgt Ion:128 Resp: 2762692
Ion Ratio Lower Upper
128 100
130 32.1 12.4 52.4
64 51.2 31.7 71.7

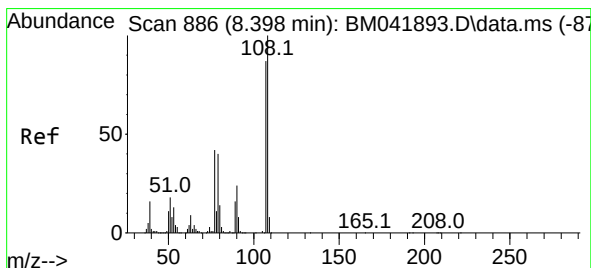
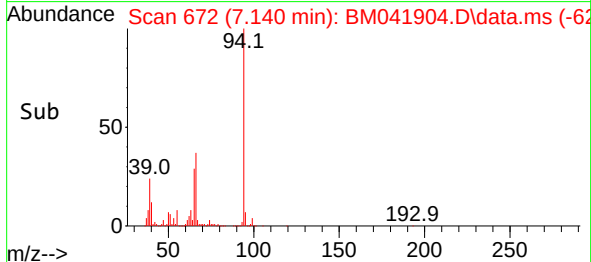
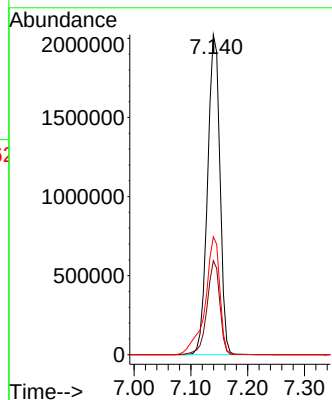
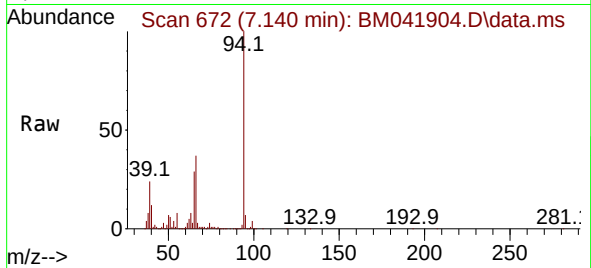




#10
Phenol
Concen: 125.817 ng
RT: 7.140 min Scan# 672
Delta R.T. -0.000 min
Lab File: BM041904.D
Acq: 19 Sep 2023 13:11

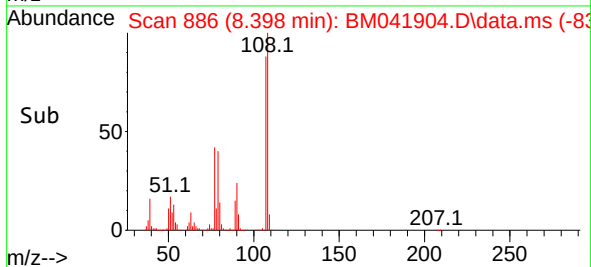
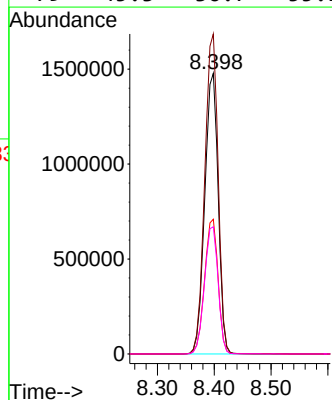
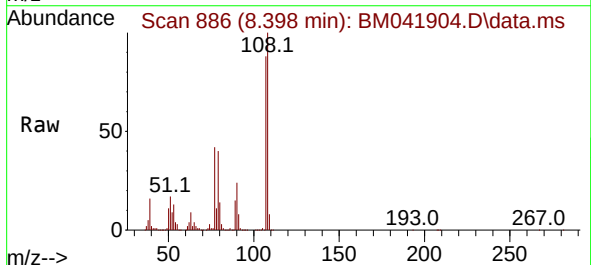
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WP

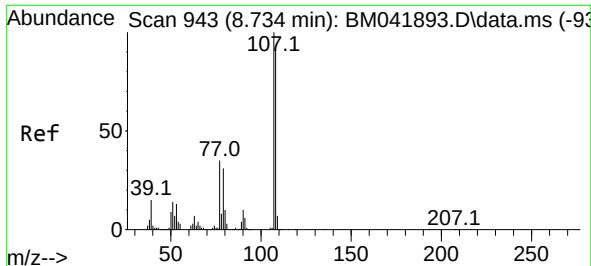
Tgt Ion: 94 Resp: 3049488
Ion Ratio Lower Upper
94 100
65 29.4 9.1 49.1
66 36.9 17.3 57.3



#17
2-Methylphenol
Concen: 137.283 ng
RT: 8.398 min Scan# 886
Delta R.T. -0.000 min
Lab File: BM041904.D
Acq: 19 Sep 2023 13:11

Tgt Ion: 107 Resp: 2419506
Ion Ratio Lower Upper
107 100
108 114.0 91.9 137.9
77 48.0 39.0 58.6
79 45.3 36.7 55.1





#20

3+4-Methylphenols

Concen: 134.534 ng

RT: 8.722 min Scan# 941

Delta R.T. -0.012 min

Lab File: BM041904.D

Acq: 19 Sep 2023 13:11

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WP

Tgt Ion:107 Resp: 3254522

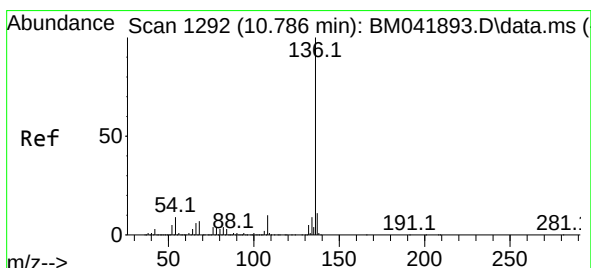
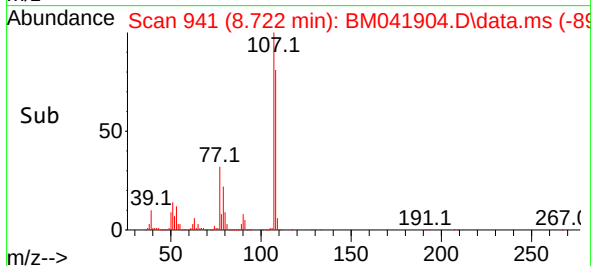
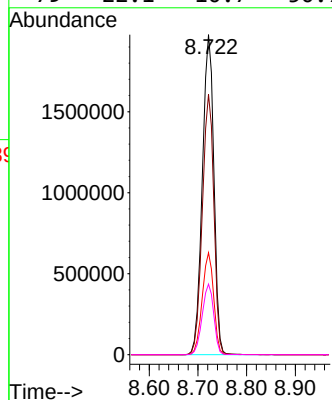
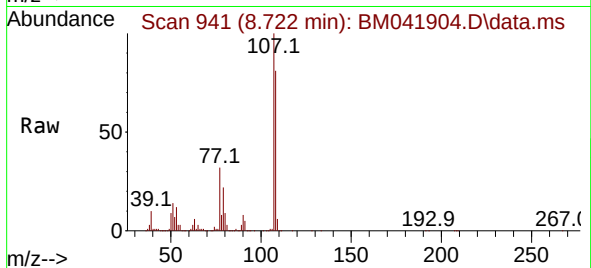
Ion Ratio Lower Upper

107 100

108 81.3 71.5 111.5

77 31.9 14.9 54.9

79 22.1 10.7 50.7



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.780 min Scan# 1291

Delta R.T. -0.006 min

Lab File: BM041904.D

Acq: 19 Sep 2023 13:11

Tgt Ion:136 Resp: 1185994

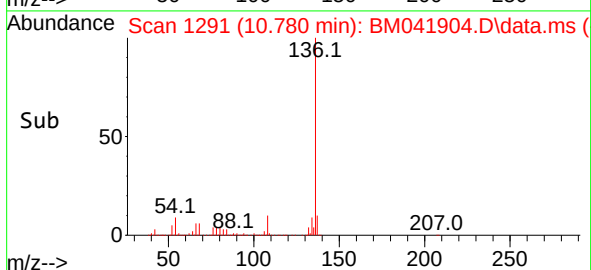
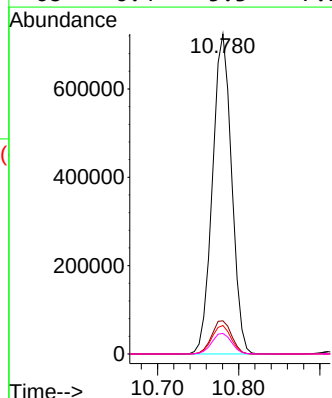
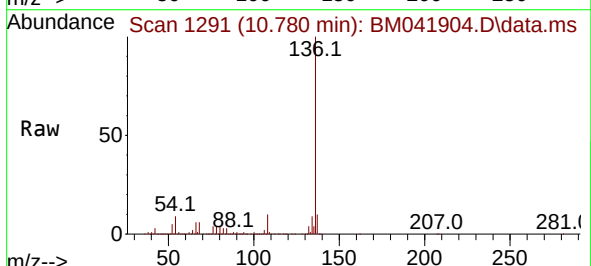
Ion Ratio Lower Upper

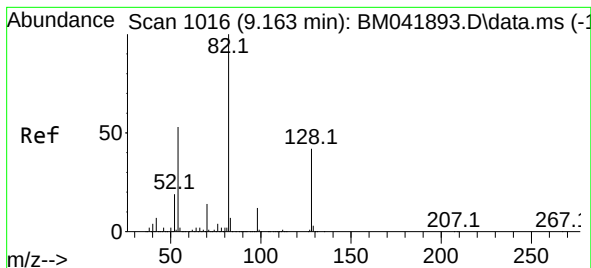
136 100

137 10.4 8.6 13.0

54 8.9 7.0 10.4

68 6.4 5.3 7.9





#23

Nitrobenzene-d5

Concen: 105.038 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM041904.D

Acq: 19 Sep 2023 13:11

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WP

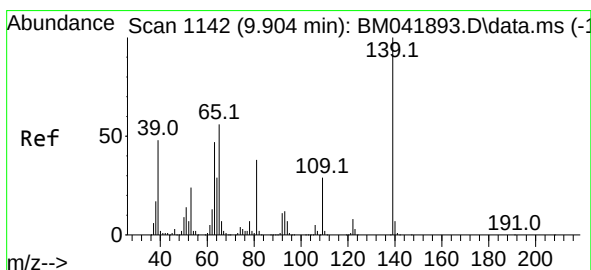
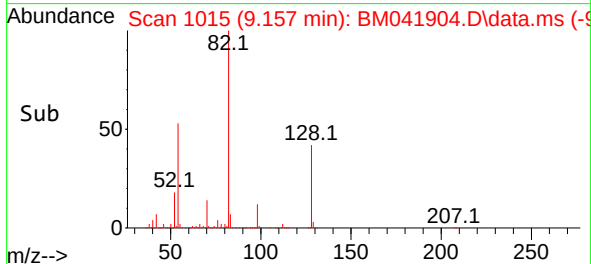
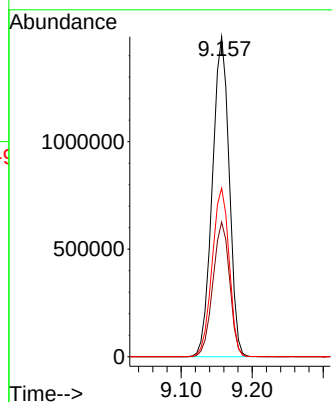
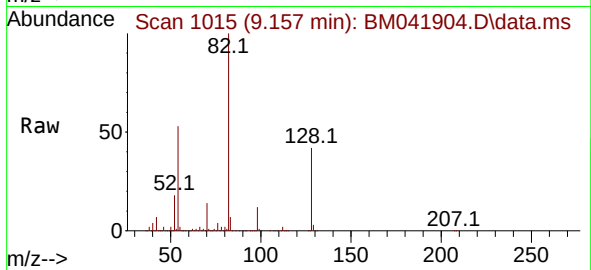
Tgt Ion: 82 Resp: 2446706

Ion Ratio Lower Upper

82 100

128 42.0 33.8 50.6

54 52.7 42.8 64.2



#26

2-Nitrophenol

Concen: 57.991 ng

RT: 9.898 min Scan# 1141

Delta R.T. -0.006 min

Lab File: BM041904.D

Acq: 19 Sep 2023 13:11

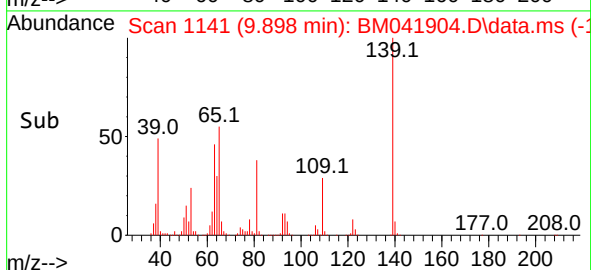
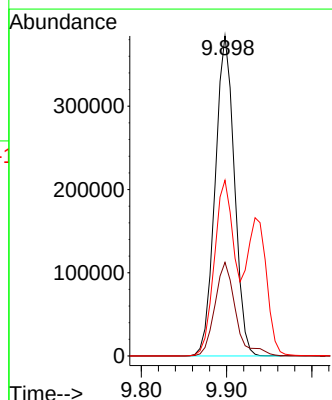
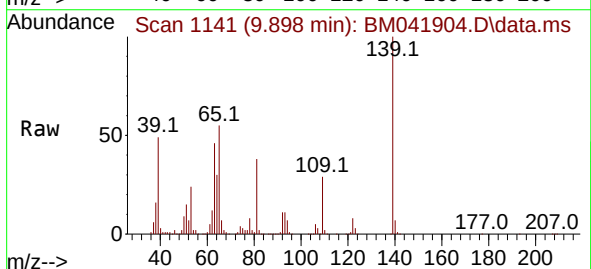
Tgt Ion:139 Resp: 603885

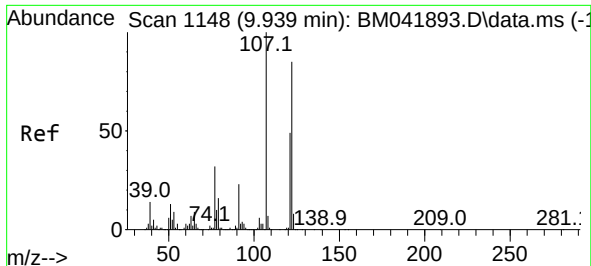
Ion Ratio Lower Upper

139 100

109 29.3 23.0 34.4

65 54.9 44.5 66.7





#27

2,4-Dimethylphenol

Concen: 140.806 ng

RT: 9.933 min Scan# 1148

Delta R.T. -0.006 min

Lab File: BM041904.D

Acq: 19 Sep 2023 13:11

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WP

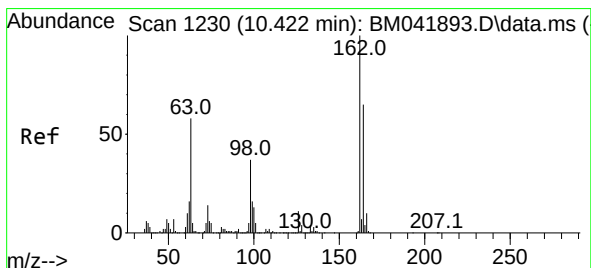
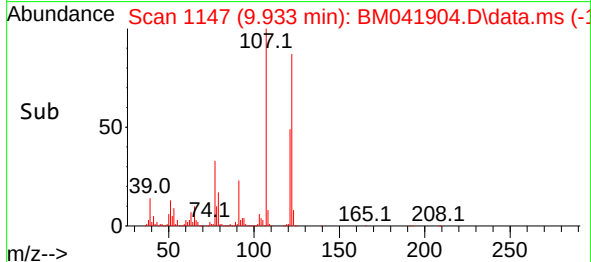
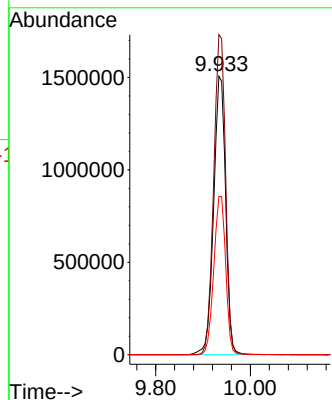
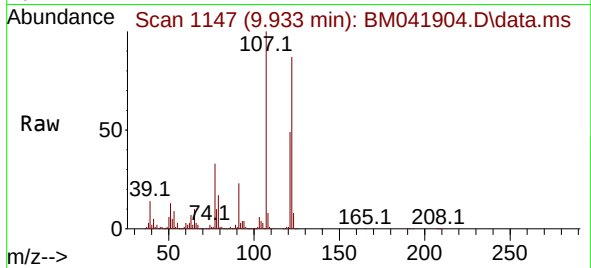
Tgt Ion:122 Resp: 2637008

Ion Ratio Lower Upper

122 100

107 115.0 93.8 140.6

121 56.8 46.4 69.6



#29

2,4-Dichlorophenol

Concen: 154.018 ng

RT: 10.416 min Scan# 1229

Delta R.T. -0.006 min

Lab File: BM041904.D

Acq: 19 Sep 2023 13:11

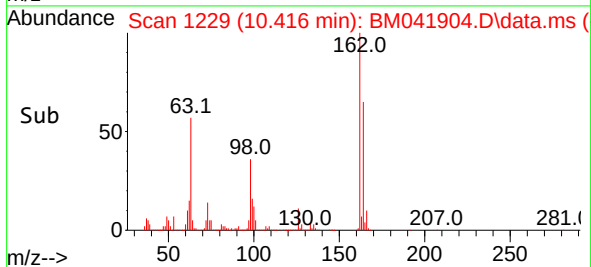
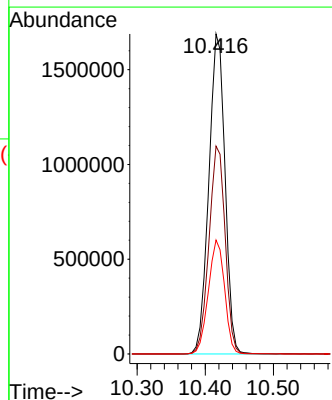
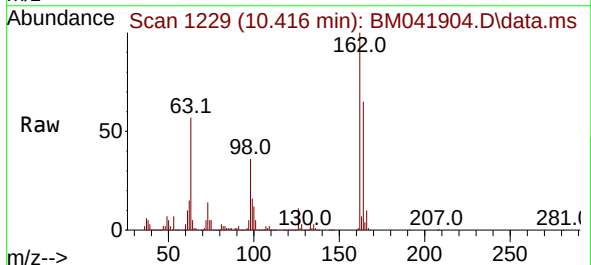
Tgt Ion:162 Resp: 2791425

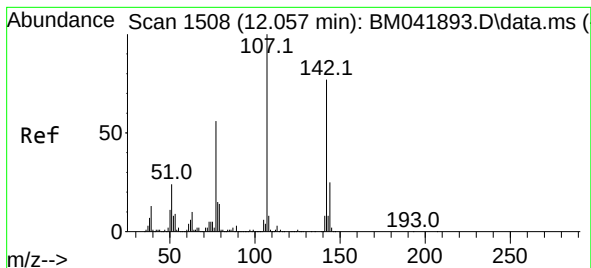
Ion Ratio Lower Upper

162 100

164 64.9 45.2 85.2

98 35.6 16.7 56.7

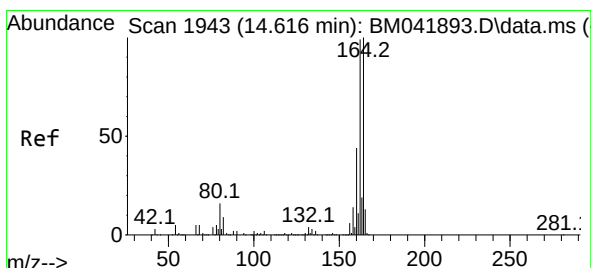
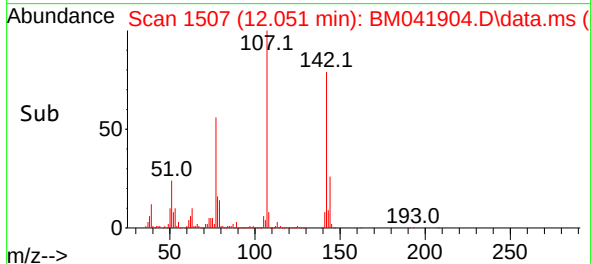
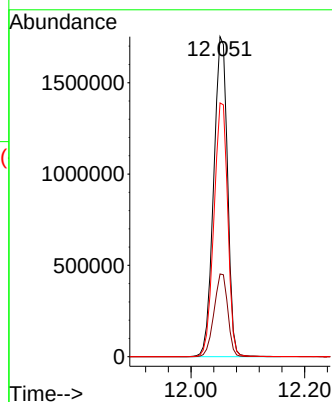
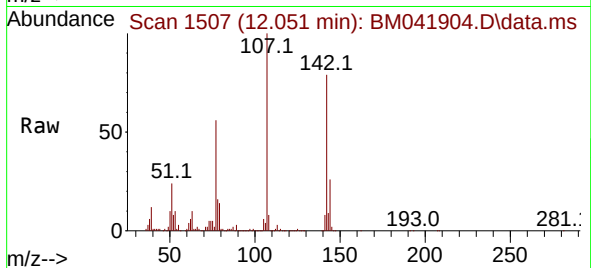




#36
4-Chloro-3-methylphenol
Concen: 146.094 ng
RT: 12.051 min Scan# 1507
Delta R.T. -0.006 min
Lab File: BM041904.D
Acq: 19 Sep 2023 13:11

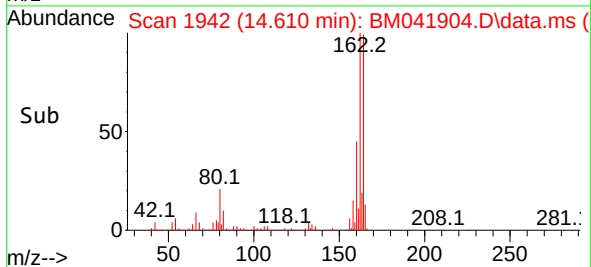
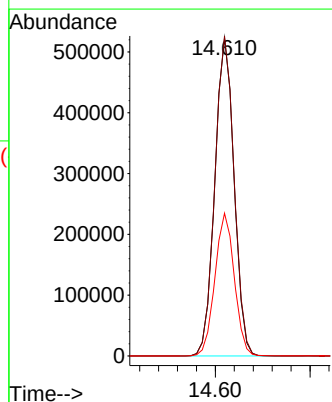
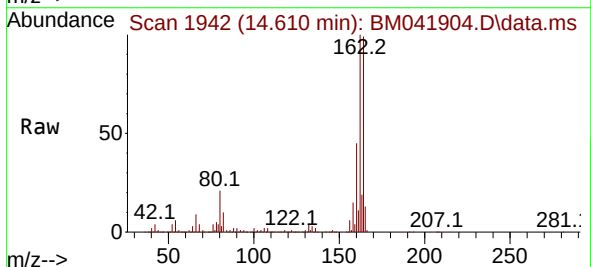
Instrument :
BNA_M
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PT-ACIDS-WP

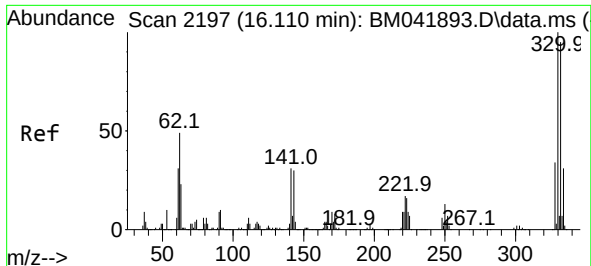
Tgt Ion:107 Resp: 2950840
Ion Ratio Lower Upper
107 100
144 25.8 20.2 30.2
142 79.3 61.7 92.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM041904.D
Acq: 19 Sep 2023 13:11

Tgt Ion:164 Resp: 738889
Ion Ratio Lower Upper
164 100
162 100.6 79.3 118.9
160 44.9 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 167.463 ng

RT: 16.104 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM041904.D

Acq: 19 Sep 2023 13:11

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WP

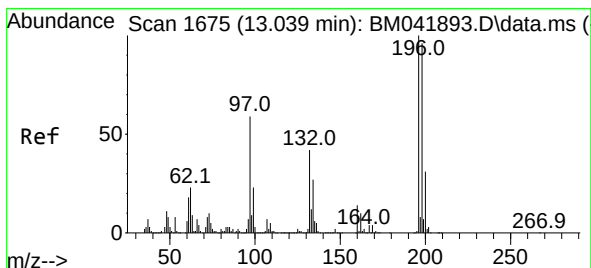
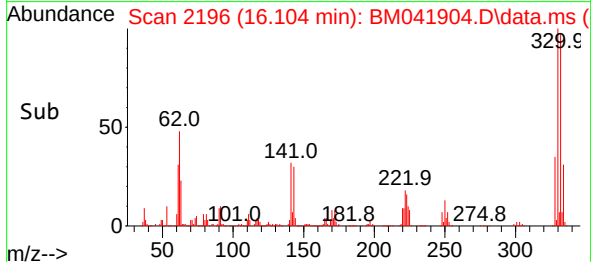
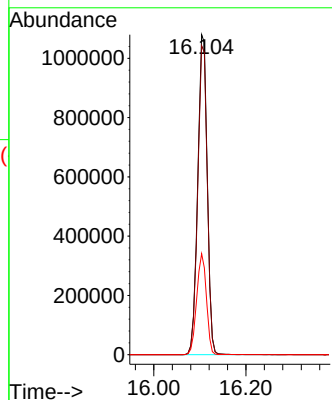
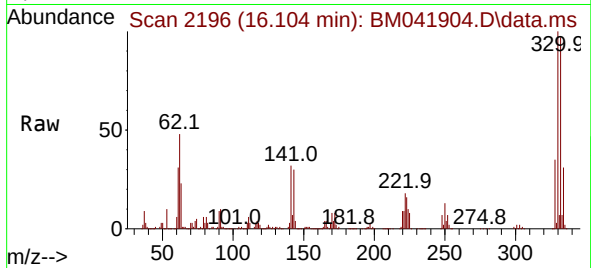
Tgt Ion:330 Resp: 1543863

Ion Ratio Lower Upper

330 100

332 96.8 77.8 116.6

141 32.2 27.0 40.4



#43

2,4,6-Trichlorophenol

Concen: 155.627 ng

RT: 13.039 min Scan# 1675

Delta R.T. -0.000 min

Lab File: BM041904.D

Acq: 19 Sep 2023 13:11

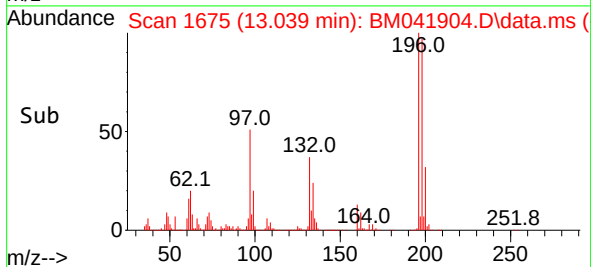
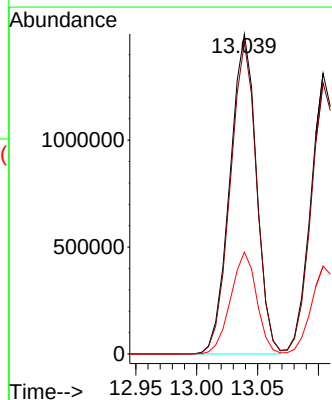
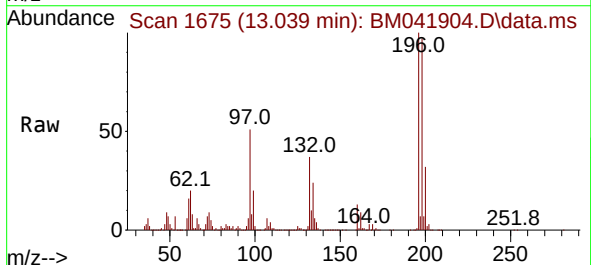
Tgt Ion:196 Resp: 2269517

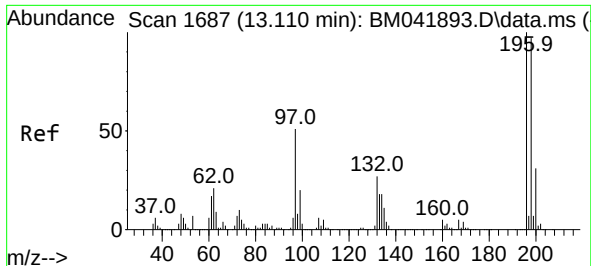
Ion Ratio Lower Upper

196 100

198 97.4 76.9 115.3

200 31.9 24.7 37.1

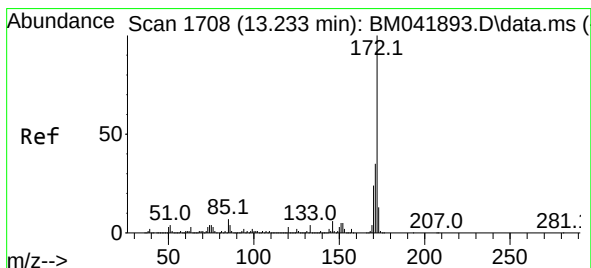
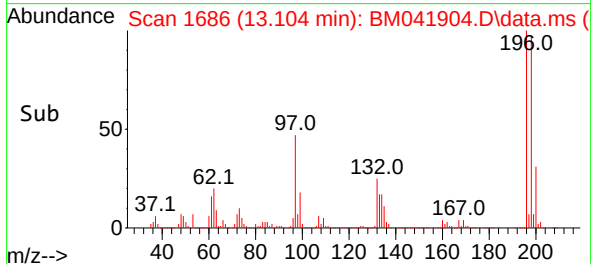
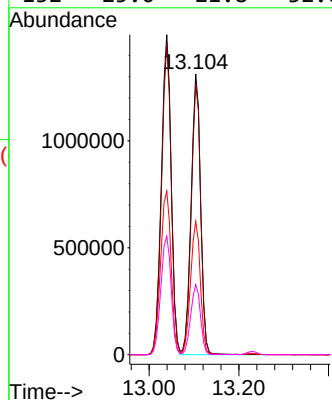
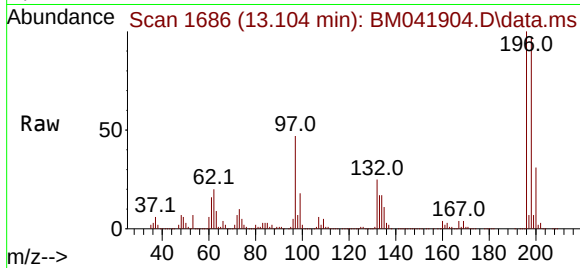




#44
2,4,5-Trichlorophenol
Concen: 112.606 ng
RT: 13.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM041904.D
Acq: 19 Sep 2023 13:11

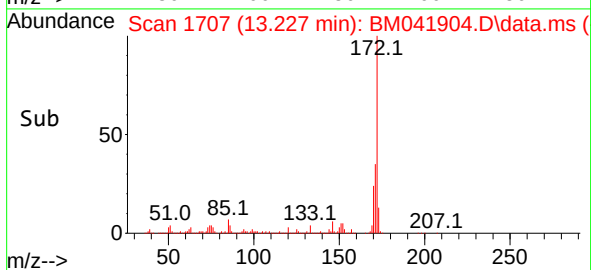
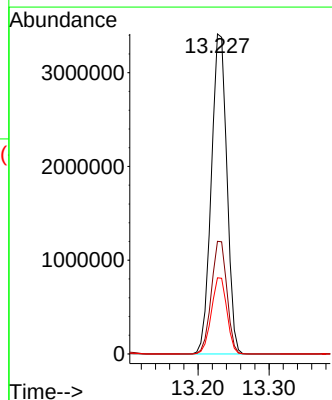
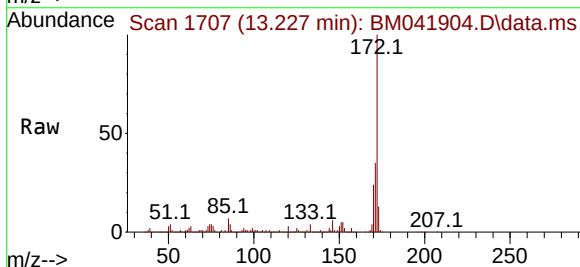
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WP

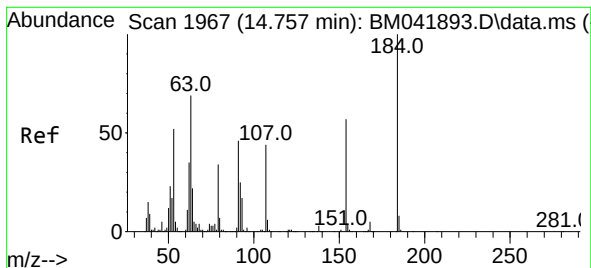
Tgt Ion:196 Resp: 1921847
Ion Ratio Lower Upper
196 100
198 96.6 77.2 115.8
97 47.4 41.1 61.7
132 25.0 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 103.145 ng
RT: 13.227 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM041904.D
Acq: 19 Sep 2023 13:11

Tgt Ion:172 Resp: 5192448
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 23.8 19.1 28.7

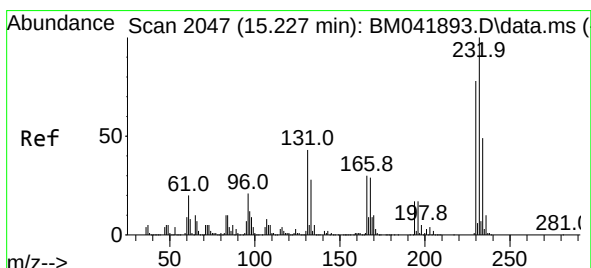
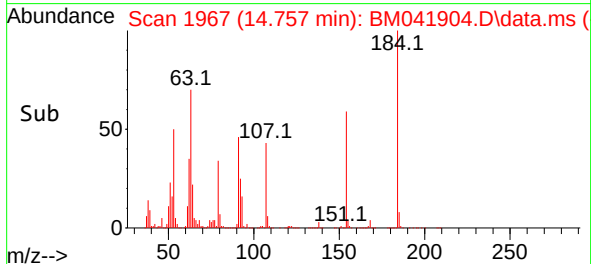
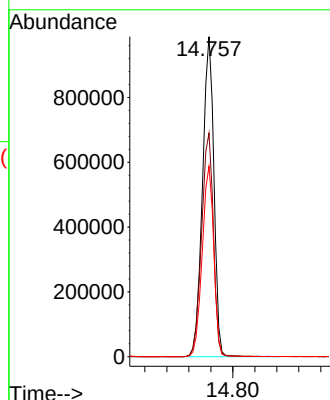
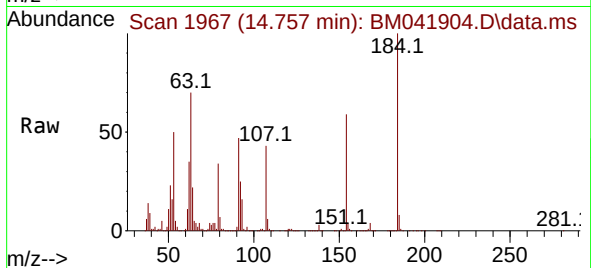




#54
2,4-Dinitrophenol
Concen: 196.671 ng
RT: 14.757 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BM041904.D
Acq: 19 Sep 2023 13:11

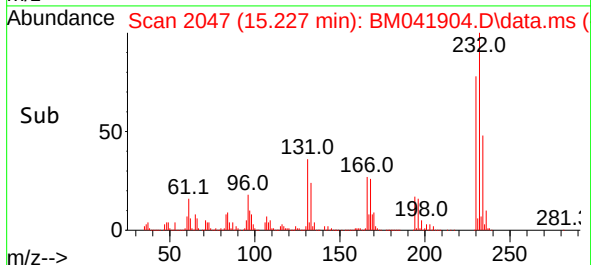
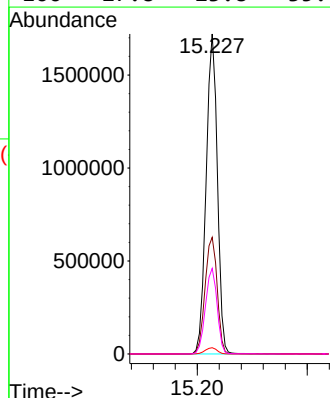
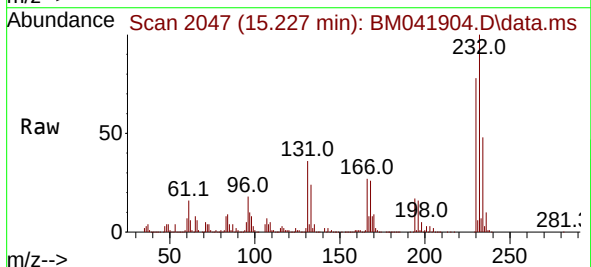
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WP

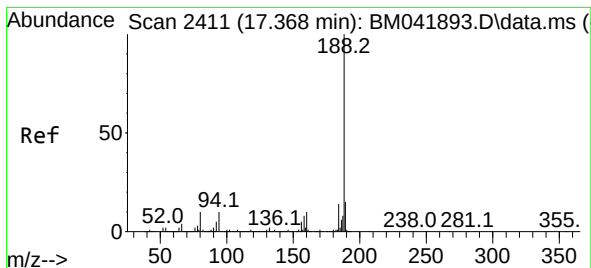
Tgt Ion:184 Resp: 1421896
Ion Ratio Lower Upper
184 100
63 69.9 55.8 83.8
154 59.5 48.9 73.3



#59
2,3,4,6-Tetrachlorophenol
Concen: 173.629 ng
RT: 15.227 min Scan# 2047
Delta R.T. -0.000 min
Lab File: BM041904.D
Acq: 19 Sep 2023 13:11

Tgt Ion:232 Resp: 2432280
Ion Ratio Lower Upper
232 100
131 39.6 34.6 51.8
130 2.1 1.8 2.8
166 27.8 23.8 35.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.362 min Scan# 2411

Delta R.T. -0.006 min

Lab File: BM041904.D

Acq: 19 Sep 2023 13:11

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WP

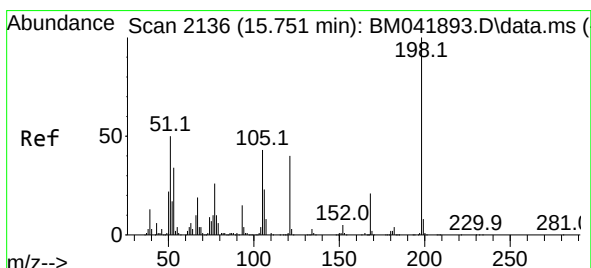
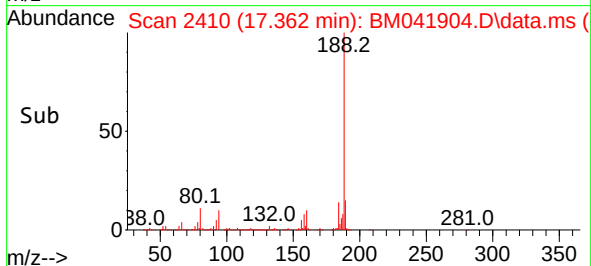
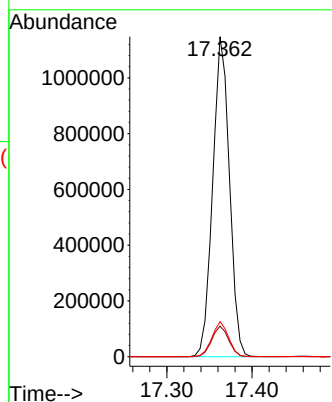
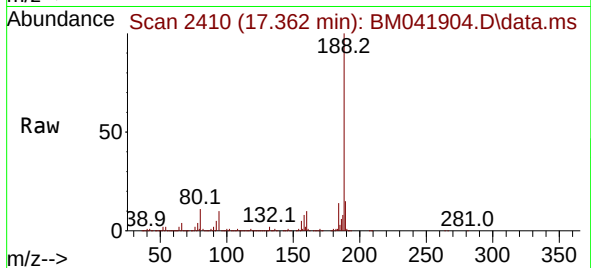
Tgt Ion:188 Resp: 1563013

Ion Ratio Lower Upper

188 100

94 9.5 7.6 11.4

80 10.9 8.3 12.5



#65

4,6-Dinitro-2-methylphenol

Concen: 171.448 ng

RT: 15.751 min Scan# 2136

Delta R.T. -0.000 min

Lab File: BM041904.D

Acq: 19 Sep 2023 13:11

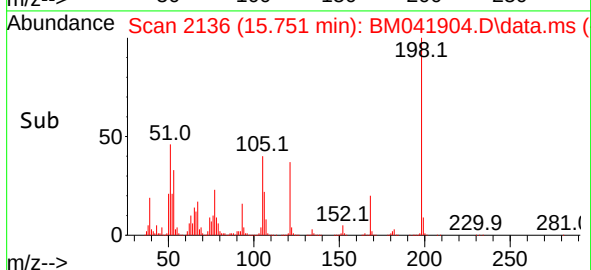
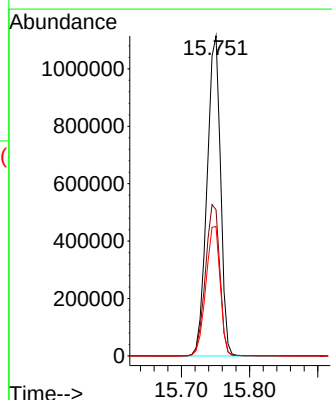
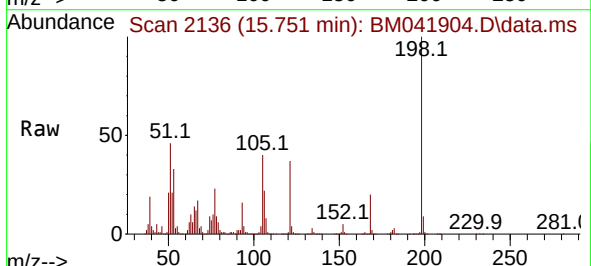
Tgt Ion:198 Resp: 1538812

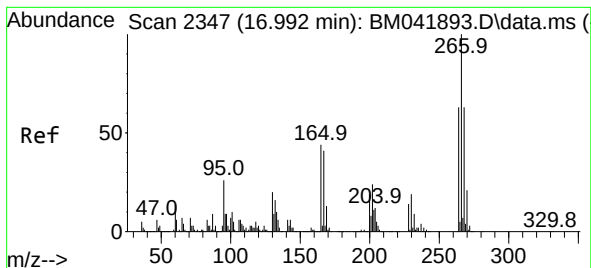
Ion Ratio Lower Upper

198 100

51 45.7 32.0 72.0

105 40.5 23.6 63.6





#70

Pentachlorophenol

Concen: 169.415 ng

RT: 16.992 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM041904.D

Acq: 19 Sep 2023 13:11

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WP

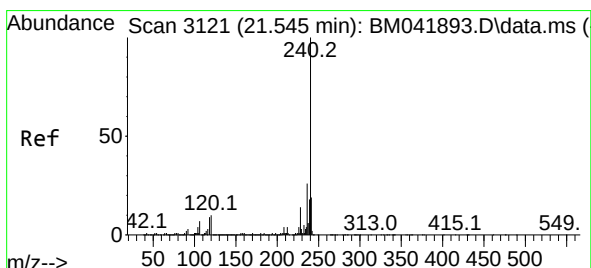
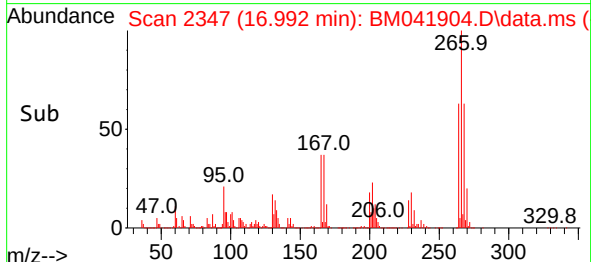
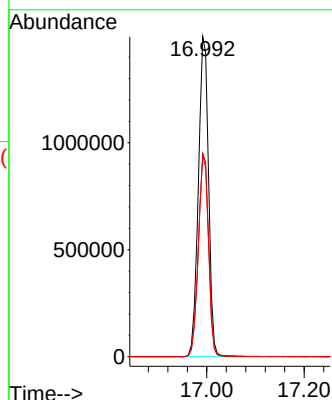
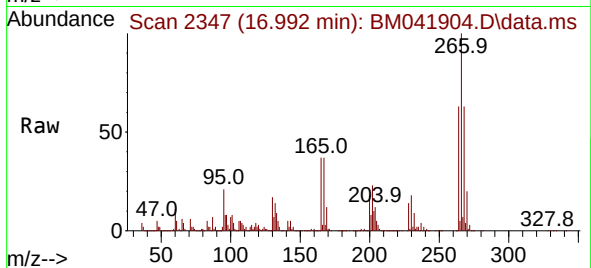
Tgt Ion:266 Resp: 2182896

Ion Ratio Lower Upper

266 100

268 63.4 50.5 75.7

264 63.0 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: BM041904.D

Acq: 19 Sep 2023 13:11

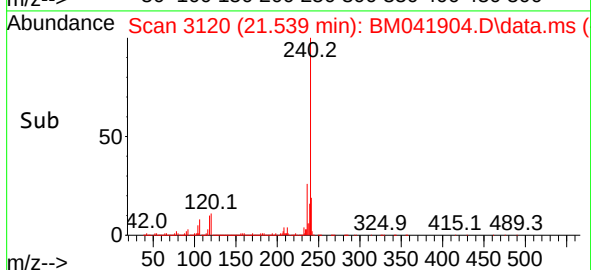
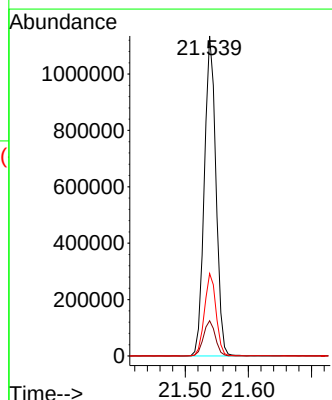
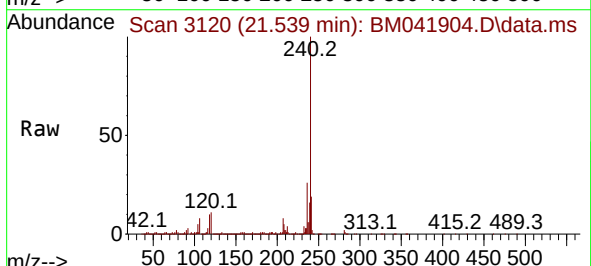
Tgt Ion:240 Resp: 1447377

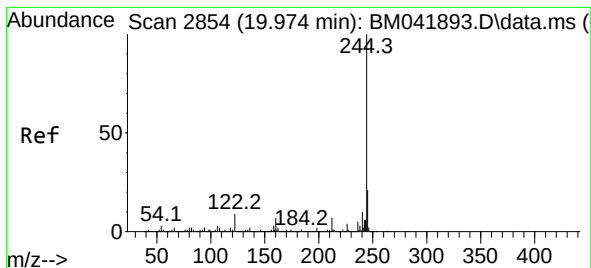
Ion Ratio Lower Upper

240 100

120 11.0 8.1 12.1

236 25.7 20.7 31.1





#79

Terphenyl-d14

Concen: 104.165 ng

RT: 19.974 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM041904.D

Acq: 19 Sep 2023 13:11

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WP

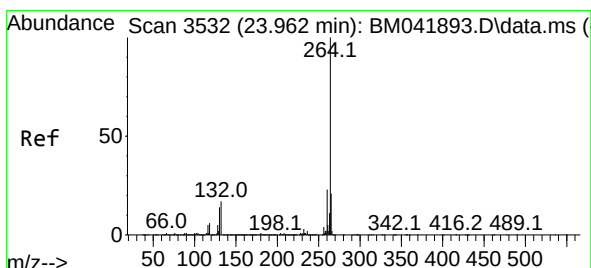
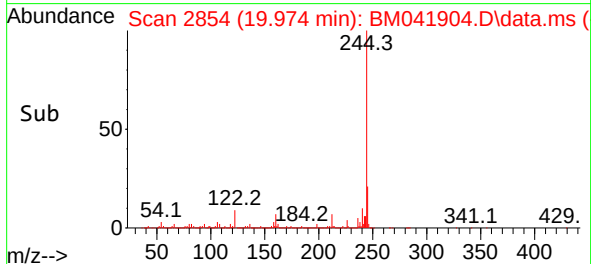
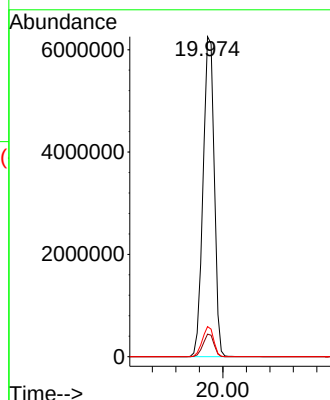
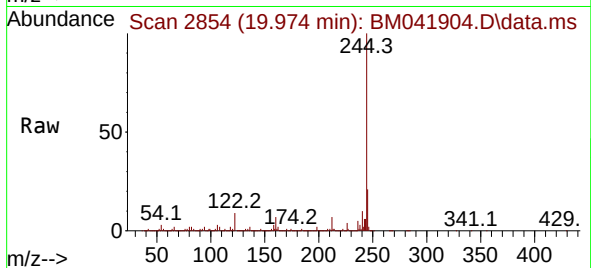
Tgt Ion:244 Resp: 8277963

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

122 9.4 7.4 11.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.962 min Scan# 3532

Delta R.T. -0.000 min

Lab File: BM041904.D

Acq: 19 Sep 2023 13:11

Tgt Ion:264 Resp: 1586679

Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

265 22.4 17.0 25.6

