

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101415\
 Data File : BM002903.D
 Acq On : 14 Oct 2015 18:52
 Operator : UM/IZ
 Sample : G3692-08 25X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PT-ACIDS-WP

Quant Time: Oct 15 01:04:01 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-ACID-BM0101315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 15 01:02:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	83489	5.00	ng	0.01
8) Naphthalene-d8	11.50	136	339719	5.00	ng	0.00
14) Acenaphthene-d10	15.25	164	173610	5.00	ng	0.00
21) Phenanthrene-d10	17.95	188	408417	5.00	ng	0.00
24) Chrysene-d12	22.04	240	382314	5.00	ng	0.00
26) Perylene-d12	24.61	264	351167	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	6.12	112	93355	5.80	ng	-0.03
3) Phenol-d6	7.77	99	122862	5.36	ng	-0.03
9) Nitrobenzene-d5	9.85	82	66337	3.54	ng	-0.01
15) 2,4,6-Tribromophenol	16.71	330	39436	6.22	ng	0.00
18) 2-Fluorobiphenyl	13.87	172	224744	3.96	ng	0.00
25) Terphenyl-d14	20.48	244	217023	3.73	ng	0.00

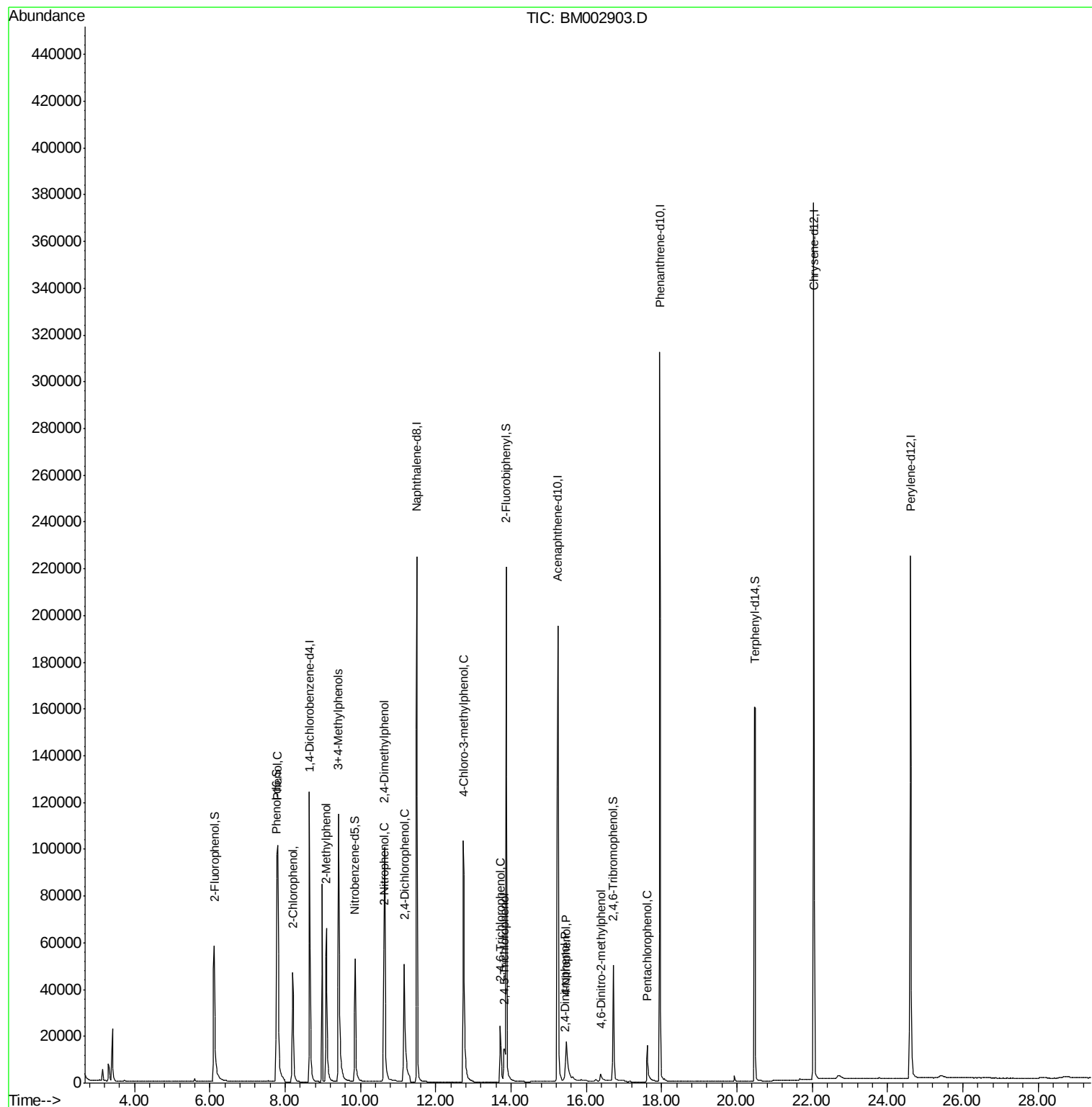
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) 2-Chlorophenol	8.20	128	64023	3.01	ng	# 71
5) Phenol	7.80	94	121111	5.38	ng	90
6) 2-Methylphenol	9.10	107	54936	3.19	ng	# 89
7) 3+4-Methylphenols	9.41	107	131881	6.19	ng	# 29
10) 2-Nitrophenol	10.62	139	28996	3.39	ng	# 74
11) 2,4-Dimethylphenol	10.64	122	68683	3.66	ng	91
12) 2,4-Dichlorophenol	11.17	162	88568	6.06	ng	97
13) 4-Chloro-3-methylphenol	12.74	107	119372	6.53	ng	87
16) 2,4,6-Trichlorophenol	13.72	196	16636	1.47	ng	# 73
17) 2,4,5-Trichlorophenol	13.83	196	19495	1.62	ng	# 92
19) 2,4-Dinitrophenol	15.43	184	4897	3.89	ng	96
20) 4-Nitrophenol	15.47	139	24017	3.38	ng	# 70
22) 4,6-Dinitro-2-methylphenol	16.38	198	5699	1.81	ng	# 73
23) Pentachlorophenol	17.62	266	18852	4.18	ng	91

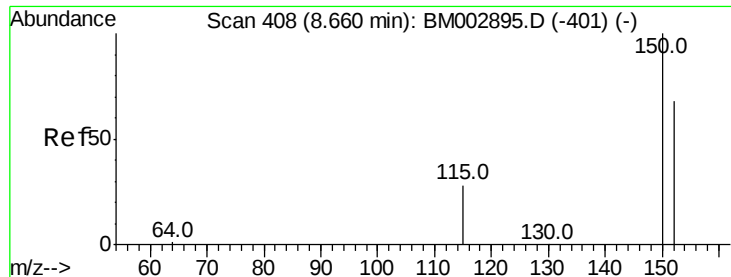
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.66 min Scan# 408

Delta R.T. 0.01 min

Lab File: BM002903.D

Acq: 14 Oct 2015 18:52

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WP

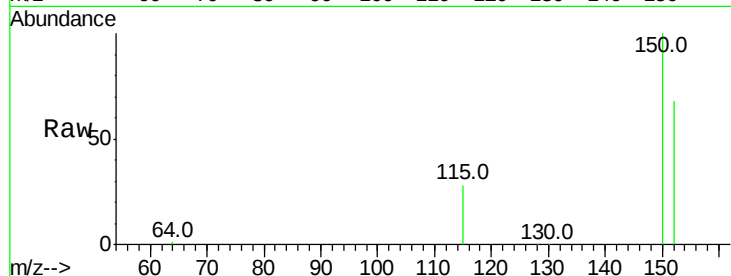
Tot Ion:152 Resp: 83489

Ion Ratio Lower Upper

152 100

150 146.2 116.3 174.5

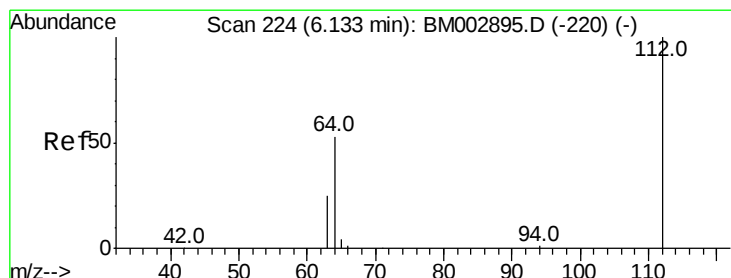
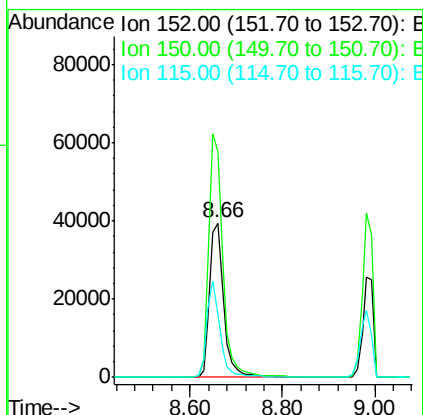
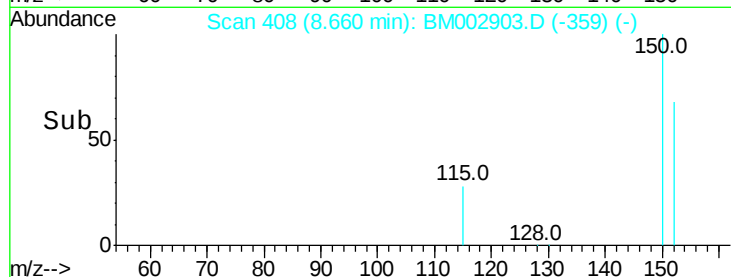
115 41.2 31.9 47.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

2-Fluorophenol

Concen: 5.80 ng

RT: 6.12 min Scan# 223

Delta R.T. -0.03 min

Lab File: BM002903.D

Acq: 14 Oct 2015 18:52

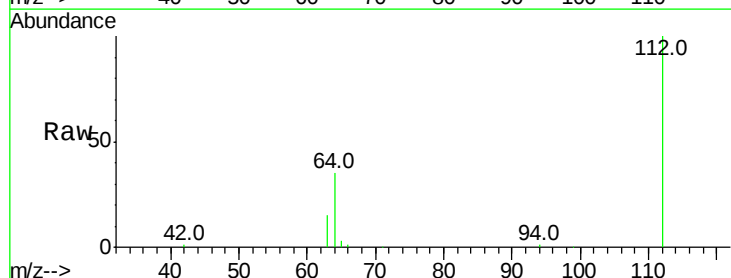
Tgt Ion:112 Resp: 93355

Ion Ratio Lower Upper

112 100

64 35.1 49.3 73.9#

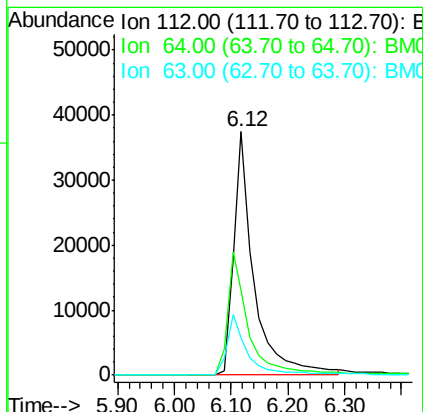
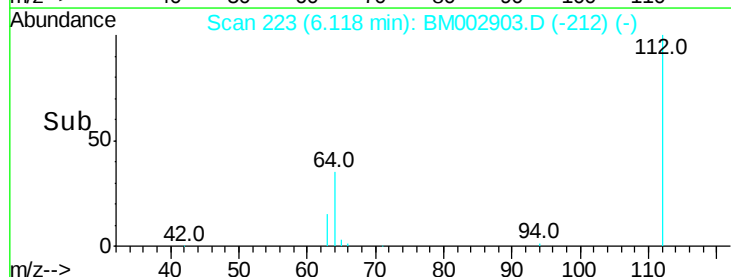
63 15.3 26.2 39.4#

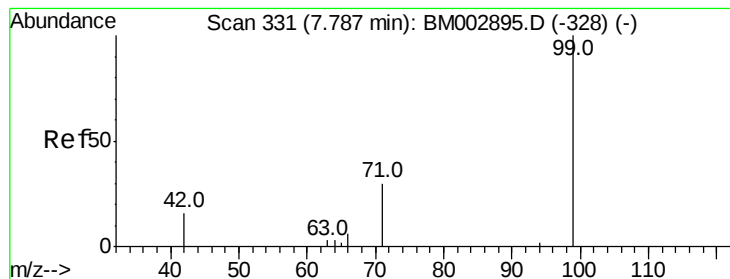


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#3

Phenol-d6

Concen: 5.36 ng

RT: 7.77 min Scan# 330

Delta R.T. -0.03 min

Lab File: BM002903.D

Acq: 14 Oct 2015 18:52

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WP

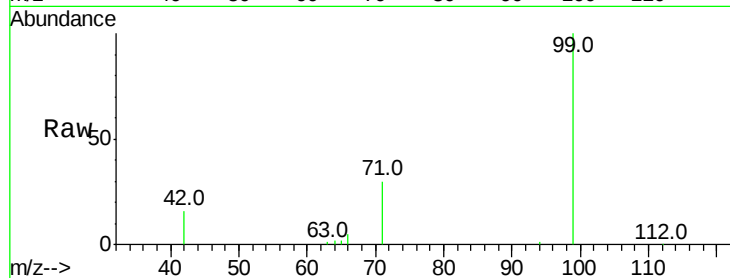
Tot Ion: 99 Resp: 122862

Ion Ratio Lower Upper

99 100

42 15.6 12.1 18.1

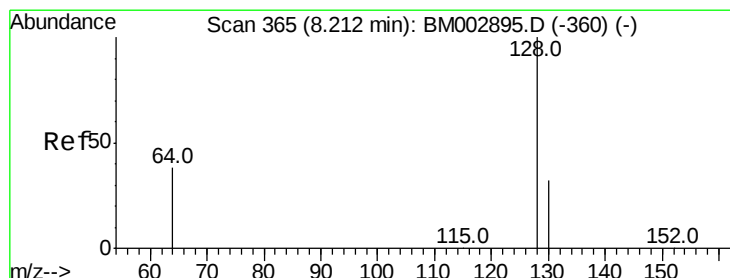
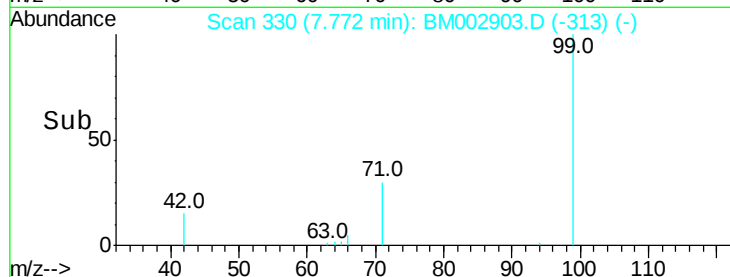
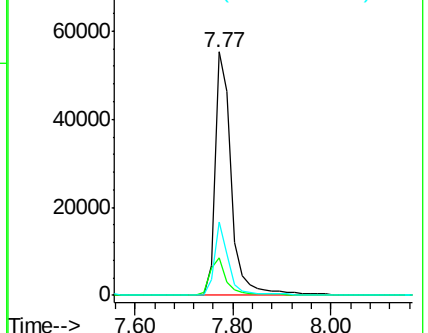
71 30.4 26.4 39.6



Abundance Ion 99.00 (98.70 to 99.70): BM002895.D (-328) (-)

Ion 42.00 (41.70 to 42.70): BM002895.D (-328) (-)

Ion 71.00 (70.70 to 71.70): BM002895.D (-328) (-)



#4

2-Chlorophenol

Concen: 3.01 ng

RT: 8.20 min Scan# 364

Delta R.T. -0.01 min

Lab File: BM002903.D

Acq: 14 Oct 2015 18:52

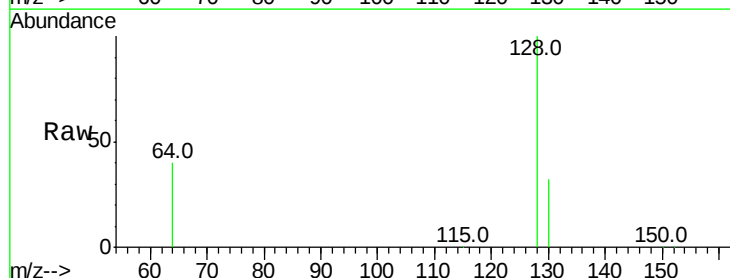
Tgt Ion: 128 Resp: 64023

Ion Ratio Lower Upper

128 100

130 31.5 22.2 62.2

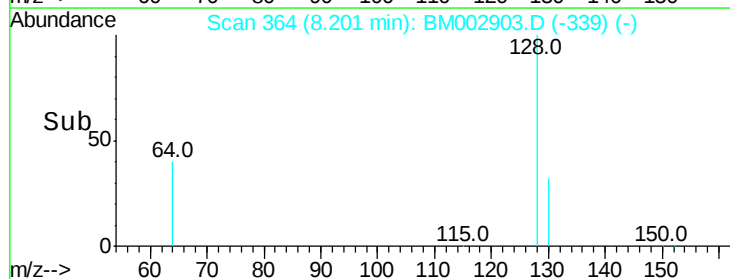
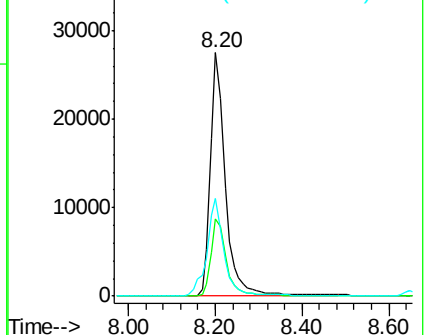
64 39.9 0.0 28.7#

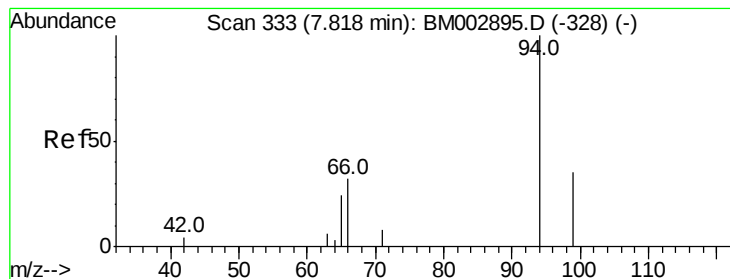


Abundance Ion 128.00 (127.70 to 128.70): BM002895.D (-360) (-)

Ion 130.00 (129.70 to 130.70): BM002895.D (-360) (-)

Ion 64.00 (63.70 to 64.70): BM002895.D (-360) (-)





#5

Phenol

Concen: 5.38 ng

RT: 7.80 min Scan# 332

Delta R.T. -0.02 min

Lab File: BM002903.D

Acq: 14 Oct 2015 18:52

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WP

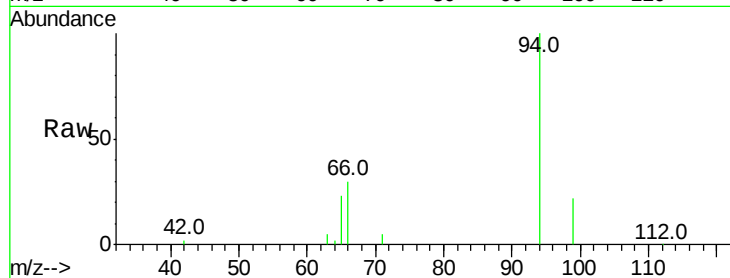
Tot Ion: 94 Resp: 121111

Ion Ratio Lower Upper

94 100

65 23.1 0.0 37.7

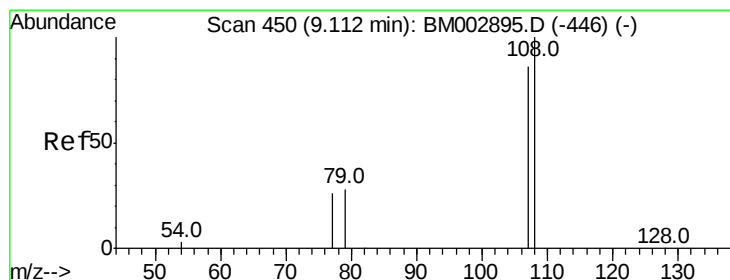
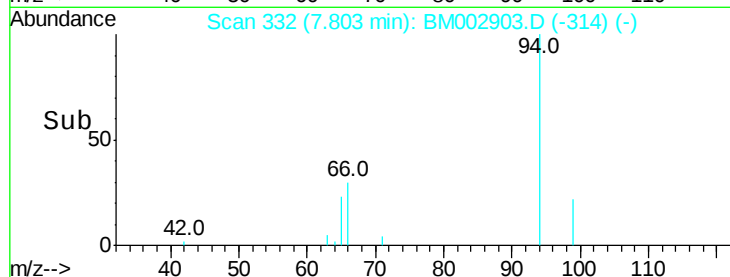
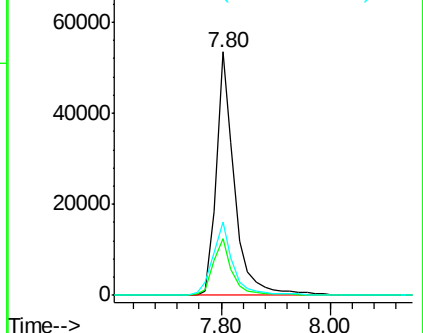
66 30.4 6.3 46.3



Abundance Ion 94.00 (93.70 to 94.70): BM002895.D (-328) (-)

Ion 65.00 (64.70 to 65.70): BM002895.D (-328) (-)

Ion 66.00 (65.70 to 66.70): BM002895.D (-328) (-)



#6

2-Methylphenol

Concen: 3.19 ng

RT: 9.10 min Scan# 449

Delta R.T. -0.01 min

Lab File: BM002903.D

Acq: 14 Oct 2015 18:52

Tgt Ion: 107 Resp: 54936

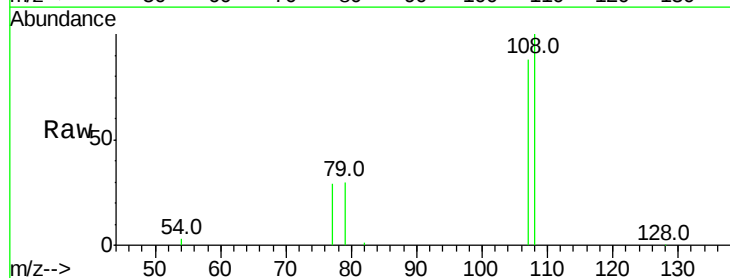
Ion Ratio Lower Upper

107 100

108 113.9 100.9 151.3

77 32.5 20.3 30.5#

79 34.3 22.8 34.2#

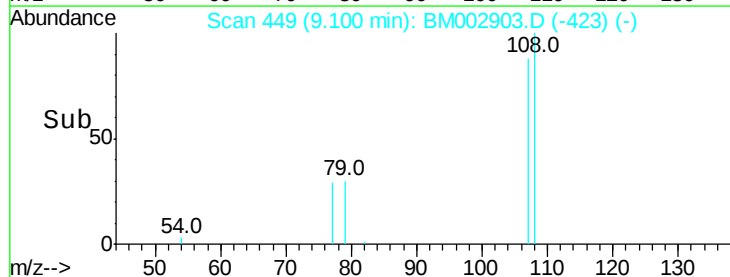
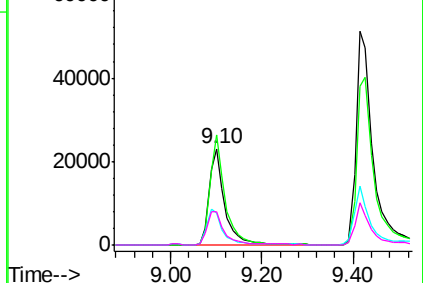


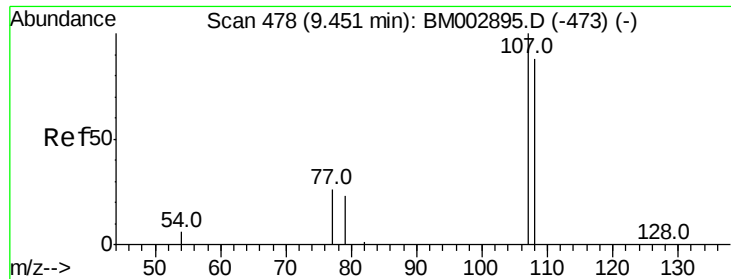
Abundance Ion 107.00 (106.70 to 107.70): BM002895.D (-446) (-)

Ion 108.00 (107.70 to 108.70): BM002895.D (-446) (-)

Ion 77.00 (76.70 to 77.70): BM002895.D (-446) (-)

Ion 79.00 (78.70 to 79.70): BM002895.D (-446) (-)





#7

3+4-Methylphenols

Concen: 6.19 ng

RT: 9.41 min Scan# 475

Delta R.T. -0.04 min

Lab File: BM002903.D

Acq: 14 Oct 2015 18:52

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WP

Tot Ion:107 Resp: 131881

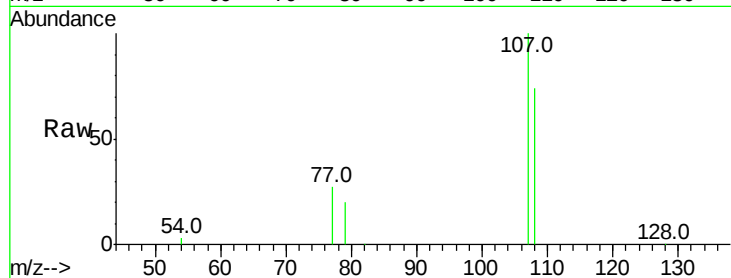
Ion Ratio Lower Upper

107 100

108 74.0 86.3 126.3#

77 27.4 151.7 191.7#

79 19.5 7.4 47.4

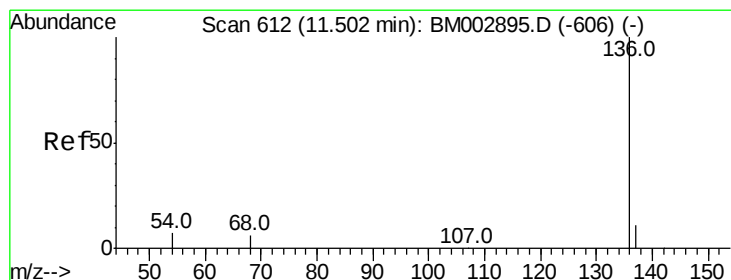
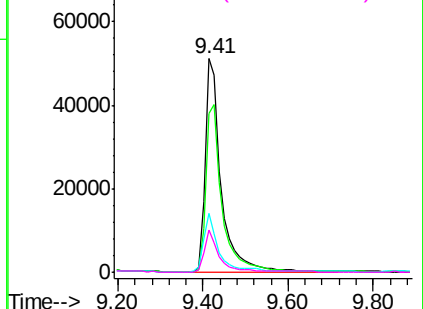
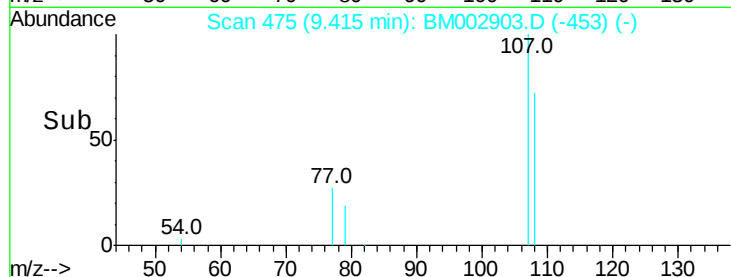


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 11.50 min Scan# 612

Delta R.T. -0.00 min

Lab File: BM002903.D

Acq: 14 Oct 2015 18:52

Tgt Ion:136 Resp: 339719

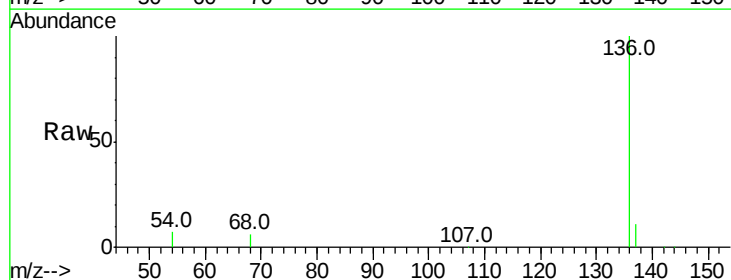
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.7 2.6 3.8#

68 5.8 2.2 3.2#

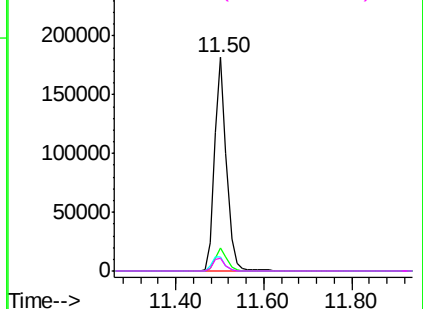
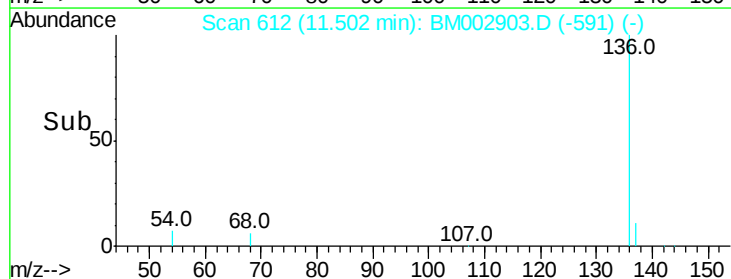


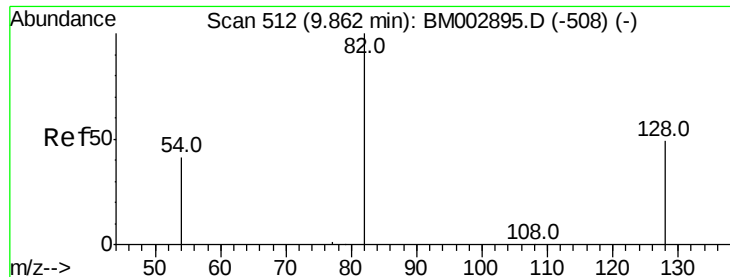
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0





#9

Nitrobenzene-d5

Concen: 3.54 ng

RT: 9.85 min Scan# 511

Delta R.T. -0.01 min

Lab File: BM002903.D

Acq: 14 Oct 2015 18:52

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WP

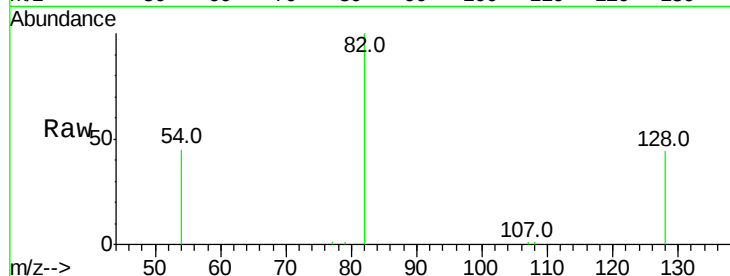
Tot Ion: 82 Resp: 66337

Ion Ratio Lower Upper

82 100

128 49.9 0.0 0.0#

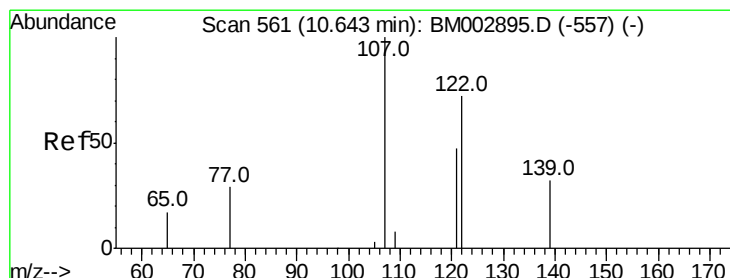
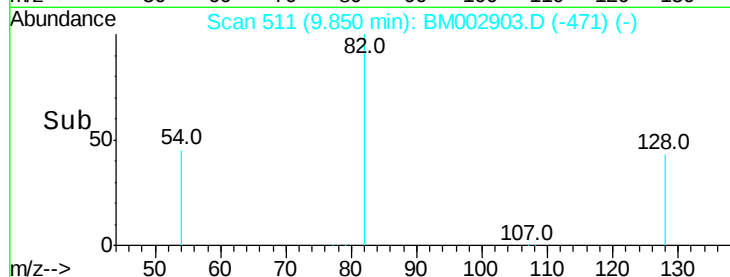
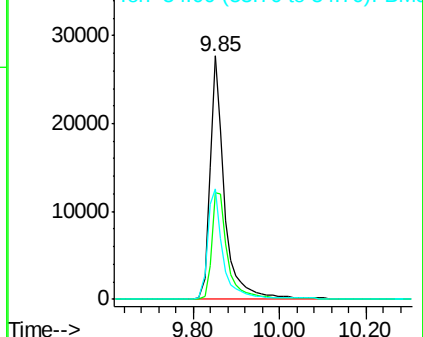
54 49.2 59.0 88.6#



Abundance Ion 82.00 (81.70 to 82.70): BM002895.D (-508) (-)

Ion 128.00 (127.70 to 128.70): BM002895.D (-508) (-)

Ion 54.00 (53.70 to 54.70): BM002895.D (-508) (-)



#10

2-Nitrophenol

Concen: 3.39 ng

RT: 10.62 min Scan# 560

Delta R.T. -0.02 min

Lab File: BM002903.D

Acq: 14 Oct 2015 18:52

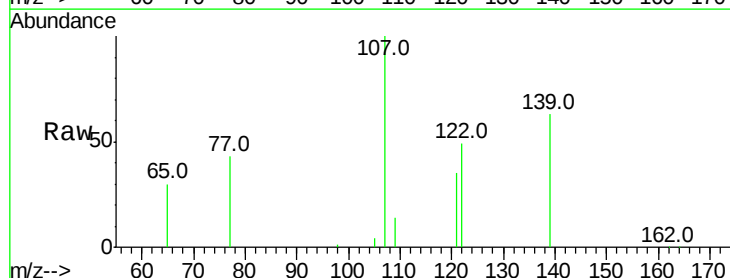
Tgt Ion: 139 Resp: 28996

Ion Ratio Lower Upper

139 100

109 23.0 19.5 29.3

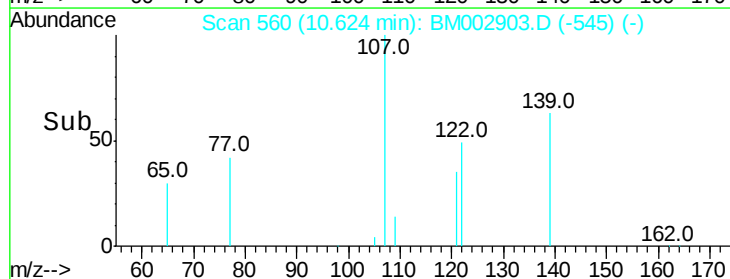
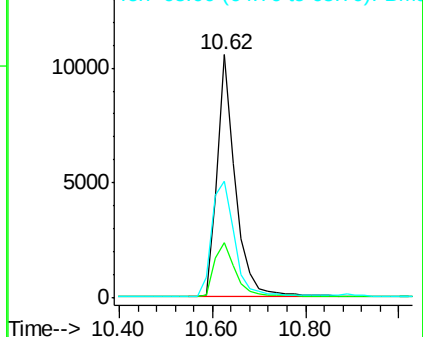
65 48.1 18.6 28.0#

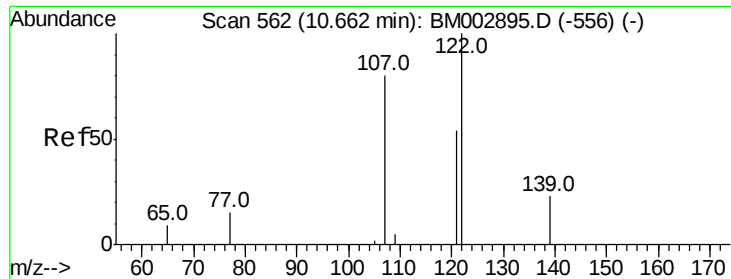


Abundance Ion 139.00 (138.70 to 139.70): BM002895.D (-557) (-)

Ion 109.00 (108.70 to 109.70): BM002895.D (-557) (-)

Ion 65.00 (64.70 to 65.70): BM002895.D (-557) (-)

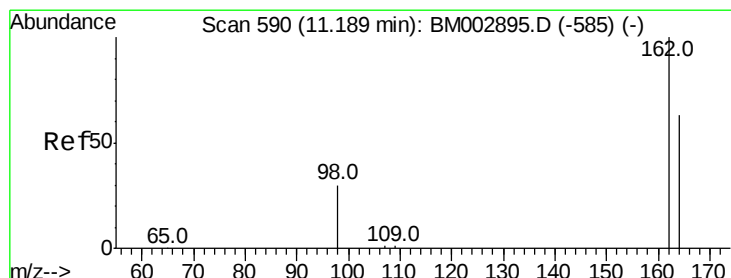
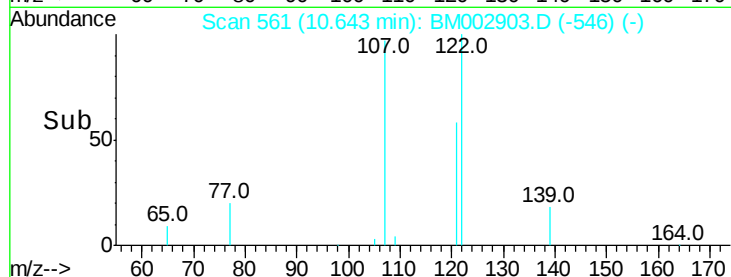
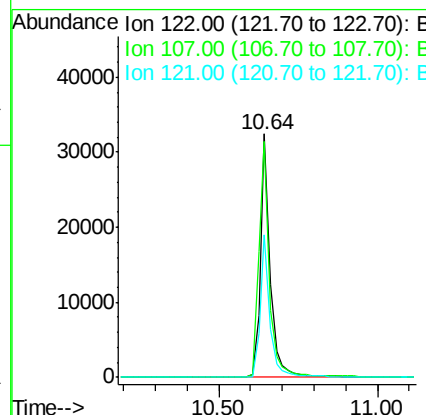
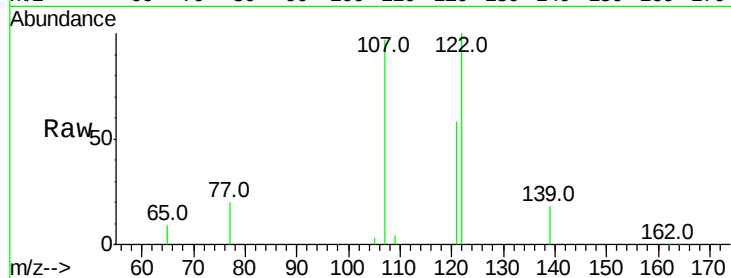




#11
 2,4-Dimethylphenol
 Concen: 3.66 ng
 RT: 10.64 min Scan# 561
 Delta R.T. -0.02 min
 Lab File: BM002903.D
 Acq: 14 Oct 2015 18:52

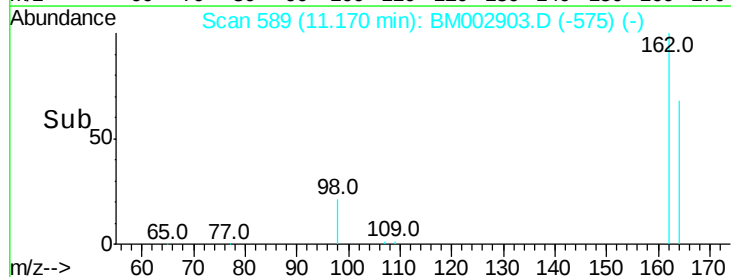
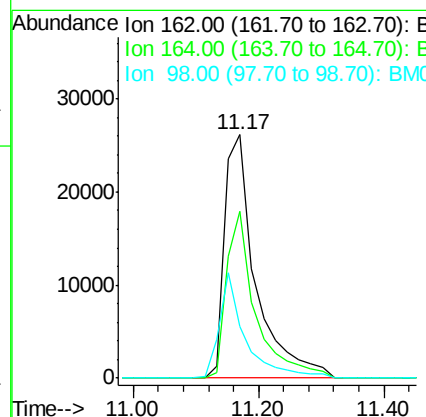
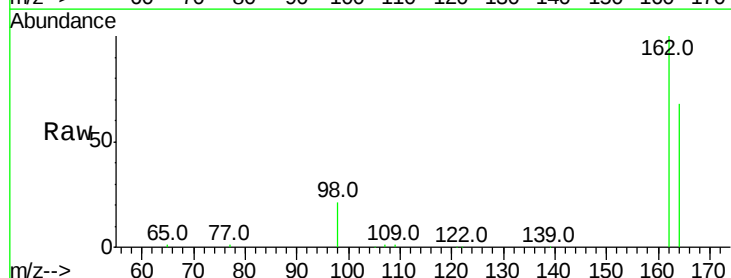
Instrument :
 BNA_M
 ClientSampleId :
 PT-ACIDS-WP

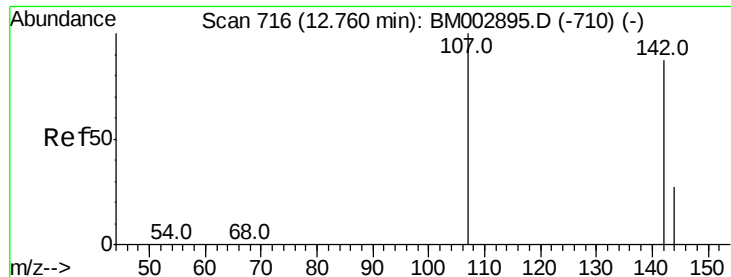
Tot Ion:122 Resp: 68683
 Ion Ratio Lower Upper
 122 100
 107 97.0 68.6 102.8
 121 58.4 44.8 67.2



#12
 2,4-Dichlorophenol
 Concen: 6.06 ng
 RT: 11.17 min Scan# 589
 Delta R.T. -0.04 min
 Lab File: BM002903.D
 Acq: 14 Oct 2015 18:52

Tgt Ion:162 Resp: 88568
 Ion Ratio Lower Upper
 162 100
 164 68.3 49.2 89.2
 98 21.4 0.0 37.4

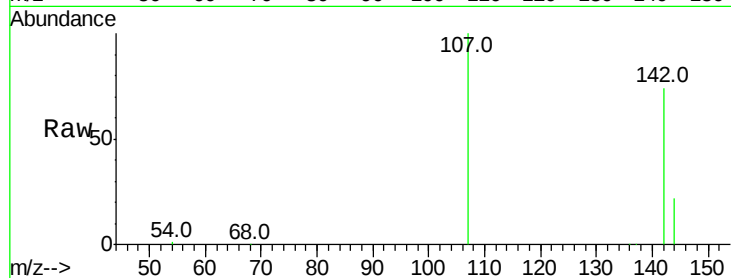




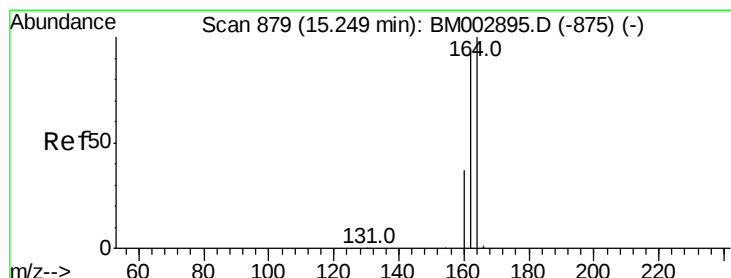
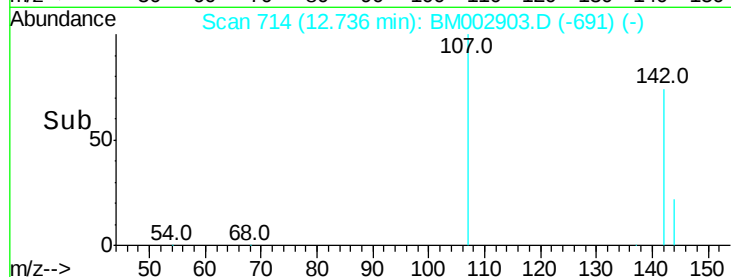
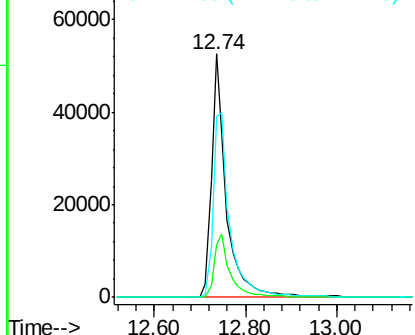
#13
4-Chloro-3-methylphenol
Concen: 6.53 ng
RT: 12.74 min Scan# 714
Delta R.T. -0.02 min
Lab File: BM002903.D
Acq: 14 Oct 2015 18:52

Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WP

Tot Ion:107 Resp: 119372
Ion Ratio Lower Upper
107 100
144 21.7 16.2 24.2
142 74.2 49.8 74.6

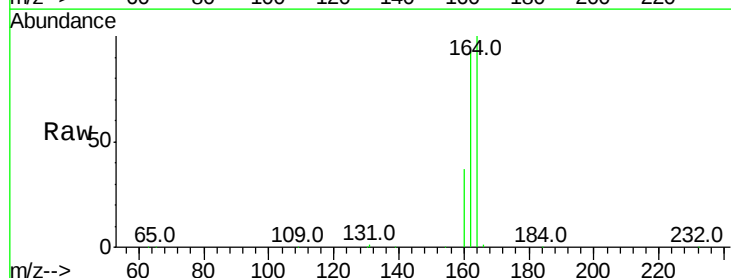


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

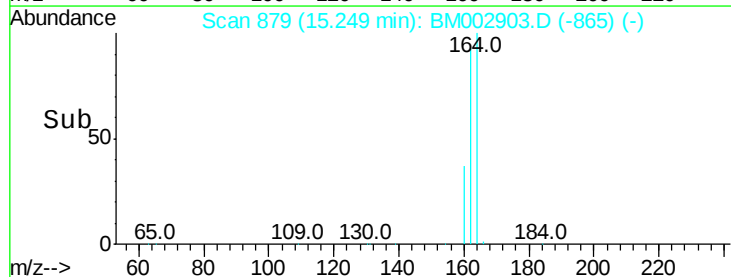
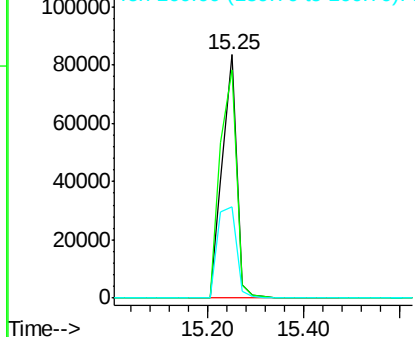


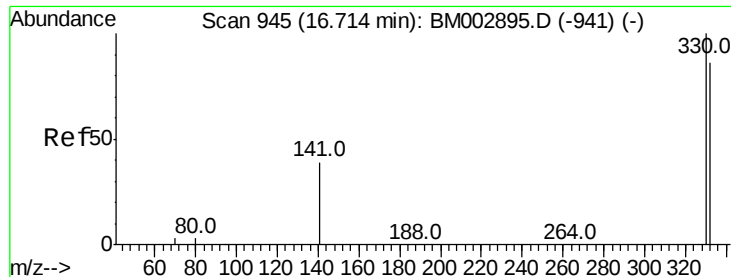
#14
Acenaphthene-d10
Concen: 5.00 ng
RT: 15.25 min Scan# 879
Delta R.T. -0.00 min
Lab File: BM002903.D
Acq: 14 Oct 2015 18:52

Tgt Ion:164 Resp: 173610
Ion Ratio Lower Upper
164 100
162 93.5 79.2 118.8
160 37.3 33.7 50.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

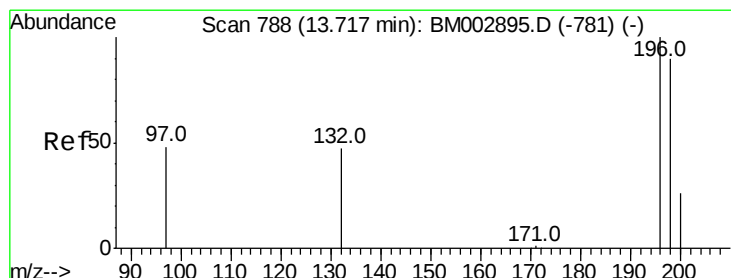
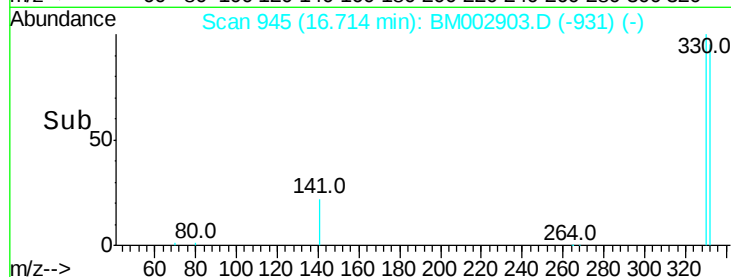
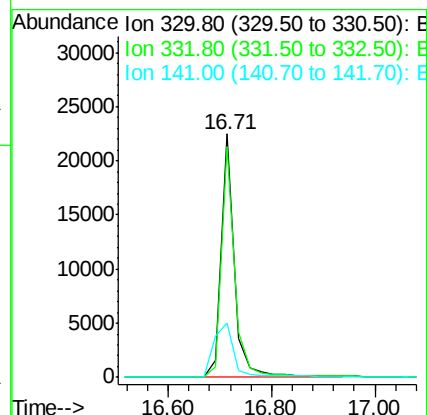
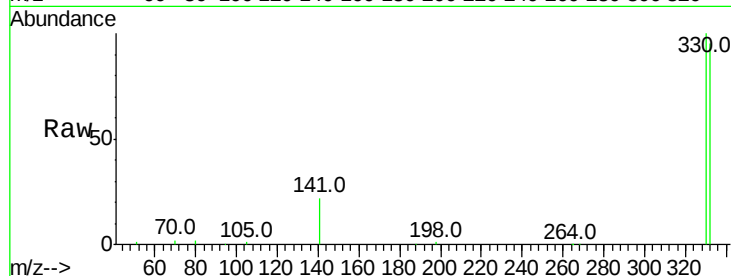




#15
 2,4,6-Tribromophenol
 Concen: 6.22 ng
 RT: 16.71 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: BM002903.D
 Acq: 14 Oct 2015 18:52

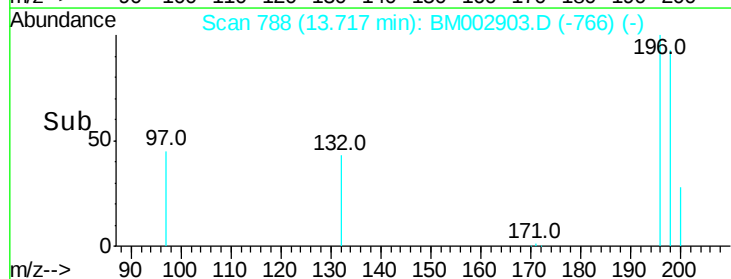
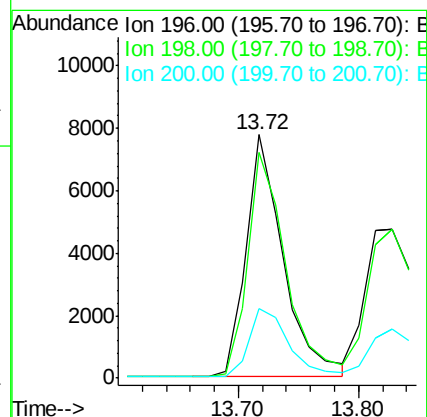
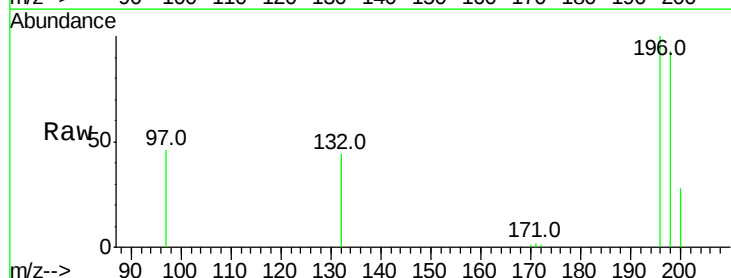
Instrument :
 BNA_M
 ClientSampleId :
 PT-ACIDS-WP

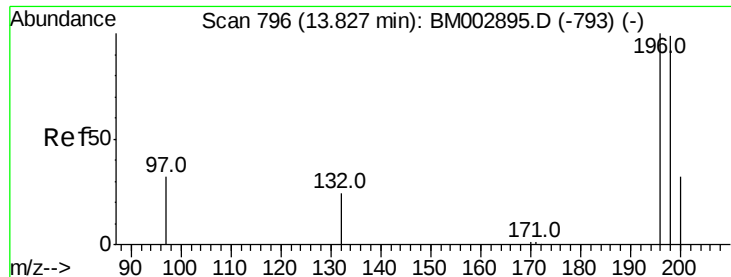
Tot Ion:330 Resp: 39436
 Ion Ratio Lower Upper
 330 100
 332 96.1 74.0 111.0
 141 33.3 24.1 36.1



#16
 2,4,6-Trichlorophenol
 Concen: 1.47 ng
 RT: 13.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BM002903.D
 Acq: 14 Oct 2015 18:52

Tgt Ion:196 Resp: 16636
 Ion Ratio Lower Upper
 196 100
 198 92.7 54.2 81.2#
 200 28.4 17.1 25.7#

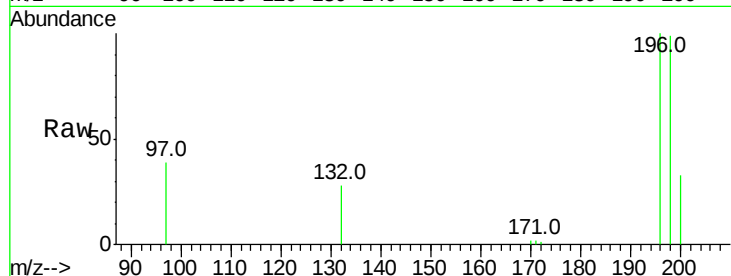




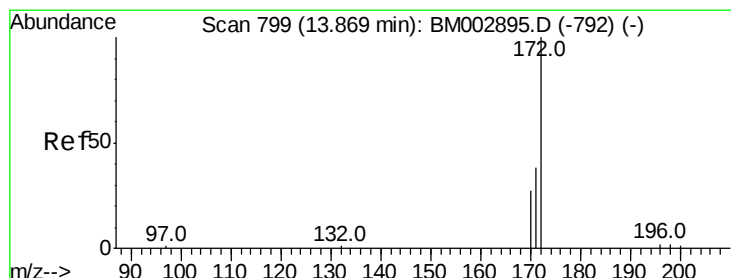
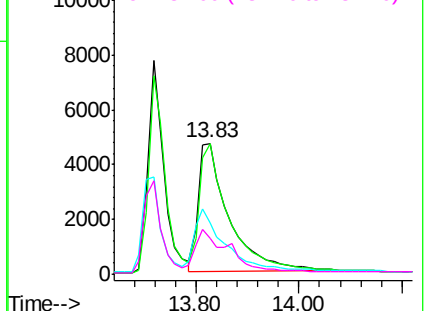
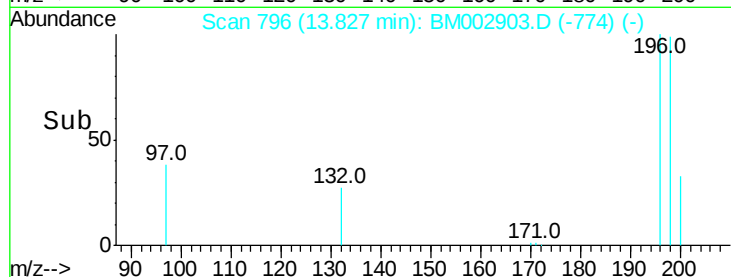
#17
 2,4,5-Trichlorophenol
 Concen: 1.62 ng
 RT: 13.83 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: BM002903.D
 Acq: 14 Oct 2015 18:52

Instrument :
 BNA_M
 ClientSampleId :
 PT-ACIDS-WP

Tot Ion:196 Resp: 19495
 Ion Ratio Lower Upper
 196 100
 198 99.4 73.6 110.4
 97 39.1 0.0 0.0#
 132 27.6 0.0 0.0#

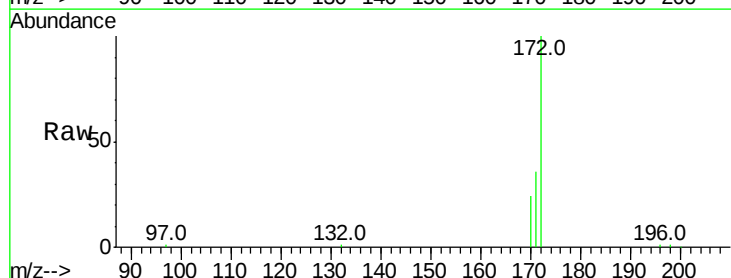


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BM
 Ion 132.00 (131.70 to 132.70): E

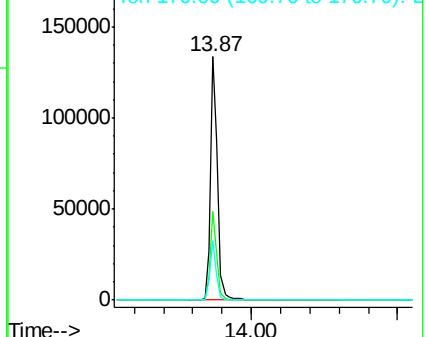
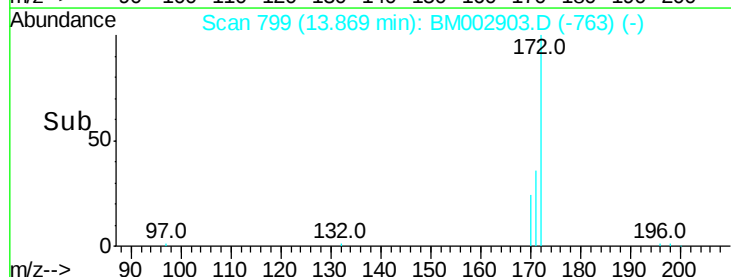


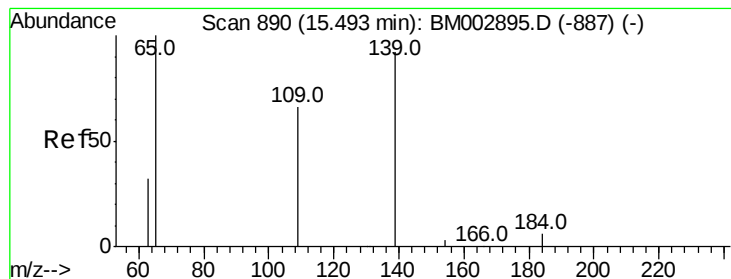
#18
 2-Fluorobiphenyl
 Concen: 3.96 ng
 RT: 13.87 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BM002903.D
 Acq: 14 Oct 2015 18:52

Tgt Ion:172 Resp: 224744
 Ion Ratio Lower Upper
 172 100
 171 34.5 0.0 0.0#
 170 22.6 0.0 0.0#



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#19

2,4-Dinitrophenol

Concen: 3.89 ng

RT: 15.43 min Scan# 887

Delta R.T. -0.09 min

Lab File: BM002903.D

Acq: 14 Oct 2015 18:52

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WP

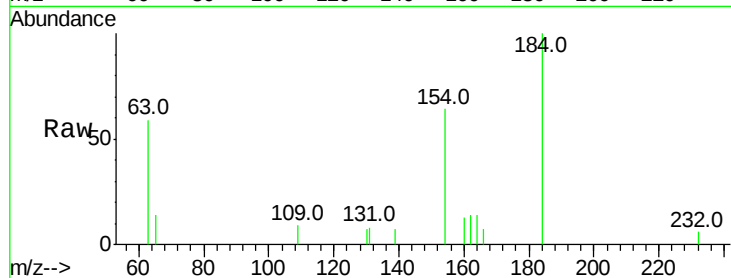
Tot Ion:184 Resp: 4897

Ion Ratio Lower Upper

184 100

63 59.1 52.0 78.0

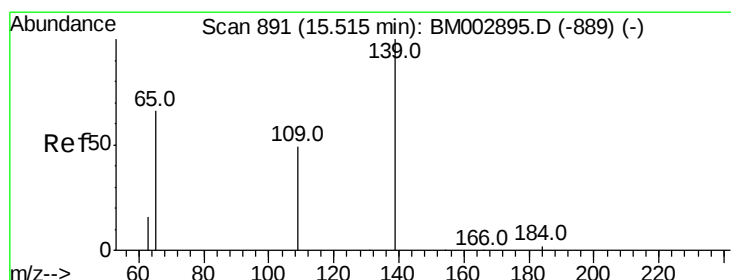
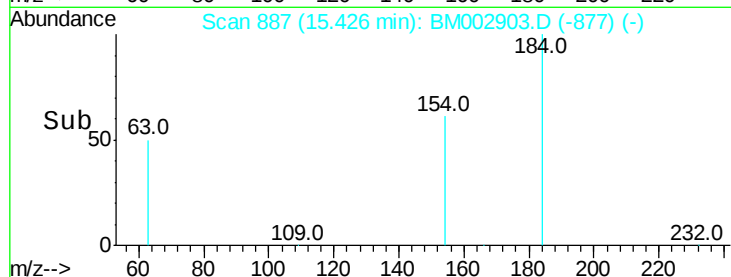
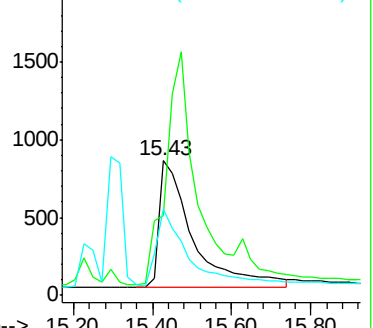
154 64.3 51.4 77.2



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E



#20

4-Nitrophenol

Concen: 3.38 ng

RT: 15.47 min Scan# 889

Delta R.T. -0.04 min

Lab File: BM002903.D

Acq: 14 Oct 2015 18:52

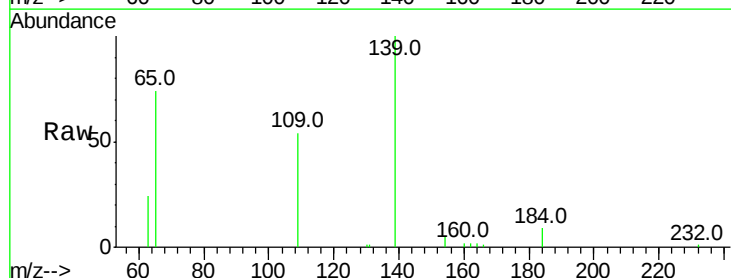
Tgt Ion:139 Resp: 24017

Ion Ratio Lower Upper

139 100

109 53.7 60.0 100.0#

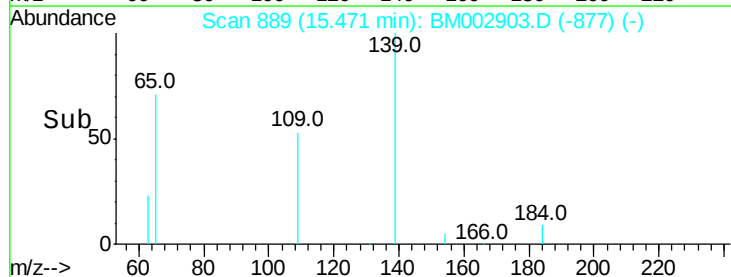
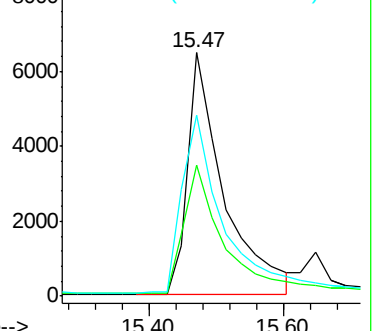
65 74.1 85.7 125.7#

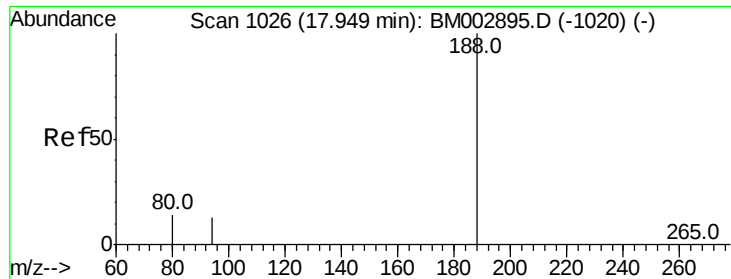


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM0

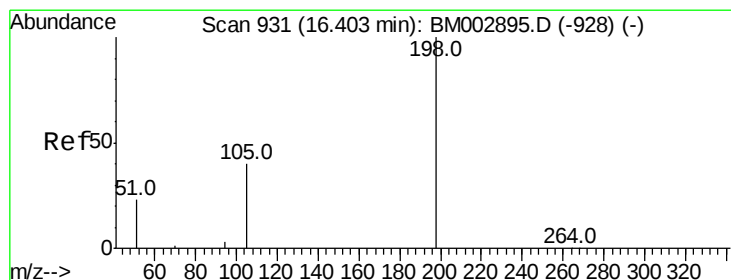
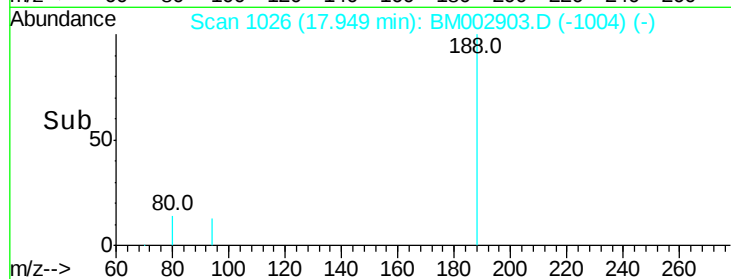
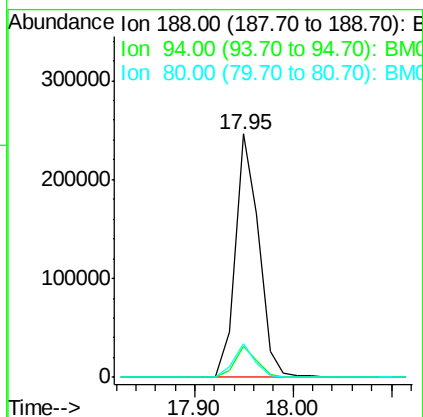
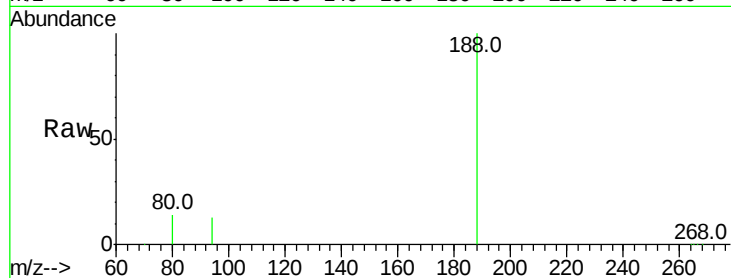




#21
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.95 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BM002903.D
Acq: 14 Oct 2015 18:52

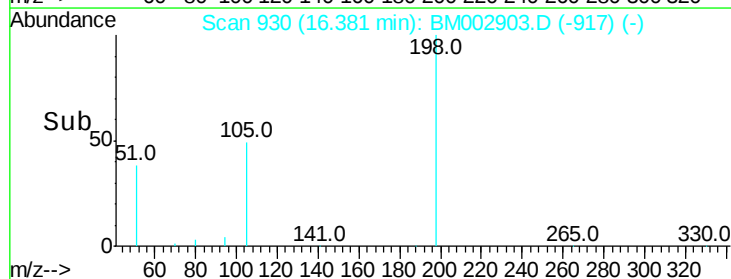
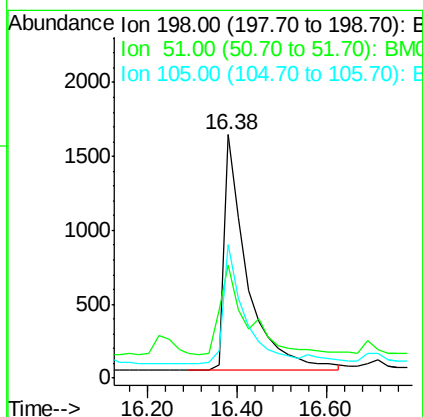
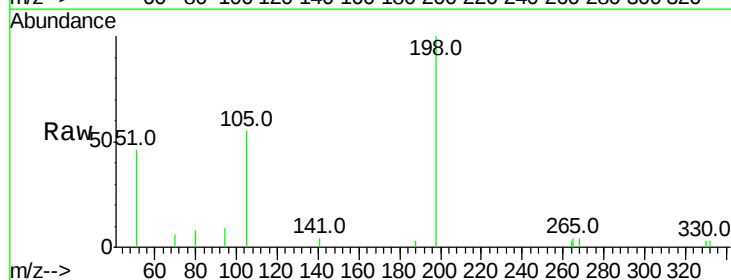
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WP

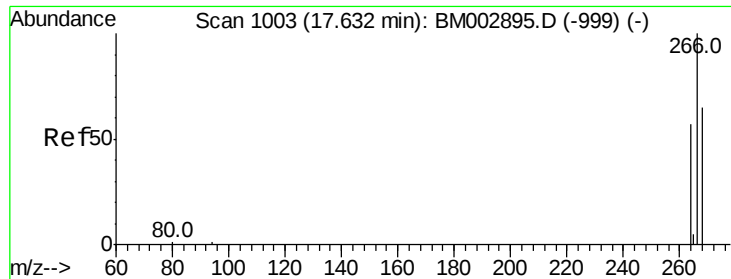
Tot Ion:188 Resp: 408417
Ion Ratio Lower Upper
188 100
94 12.6 2.9 4.3#
80 13.9 2.5 3.7#



#22
4,6-Dinitro-2-methylphenol
Concen: 1.81 ng
RT: 16.38 min Scan# 930
Delta R.T. -0.02 min
Lab File: BM002903.D
Acq: 14 Oct 2015 18:52

Tgt Ion:198 Resp: 5699
Ion Ratio Lower Upper
198 100
51 46.3 60.8 100.8#
105 54.8 30.0 70.0

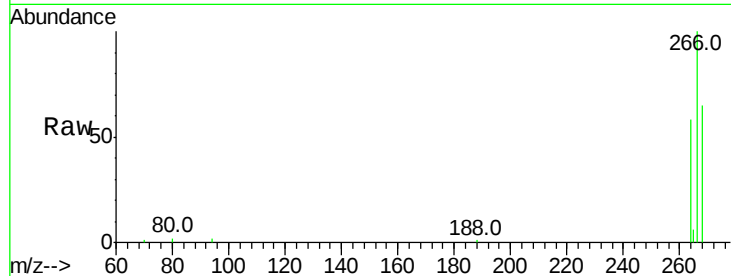




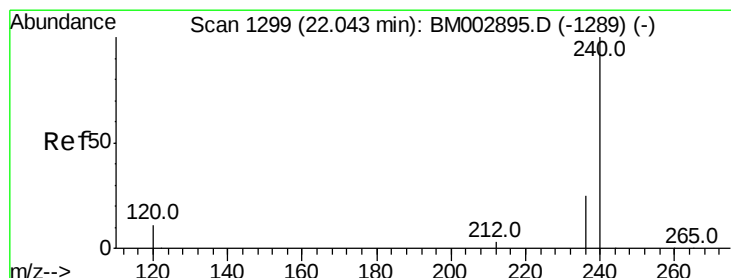
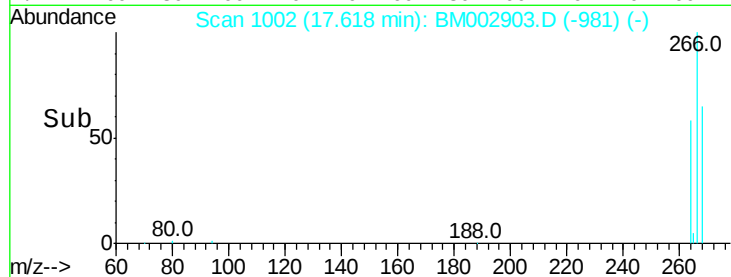
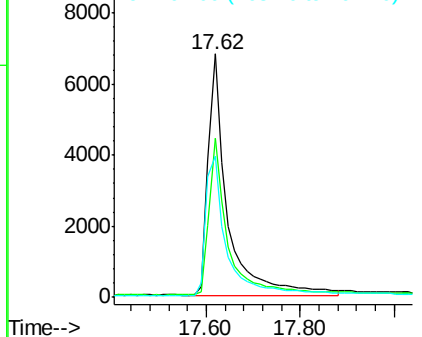
#23
 Pentachlorophenol
 Concen: 4.18 ng
 RT: 17.62 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BM002903.D
 Acq: 14 Oct 2015 18:52

Instrument :
 BNA_M
 ClientSampleId :
 PT-ACIDS-WP

Tot Ion:266 Resp: 18852
 Ion Ratio Lower Upper
 266 100
 268 65.4 62.6 94.0
 264 58.2 47.9 71.9

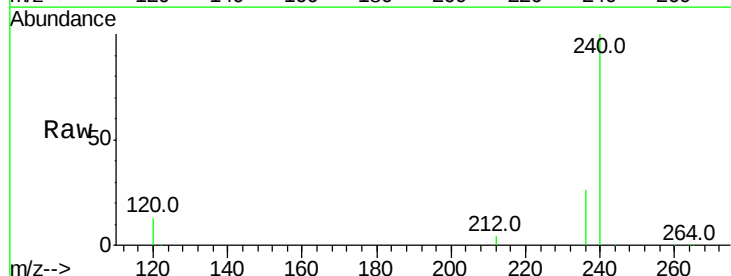


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

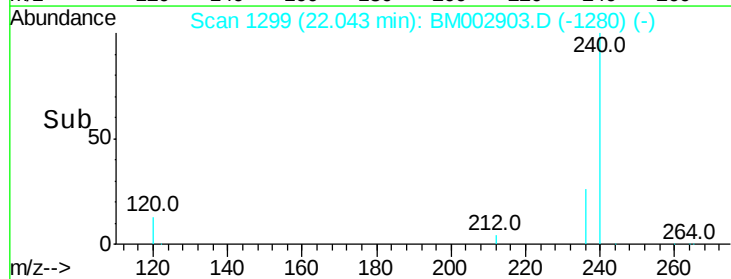
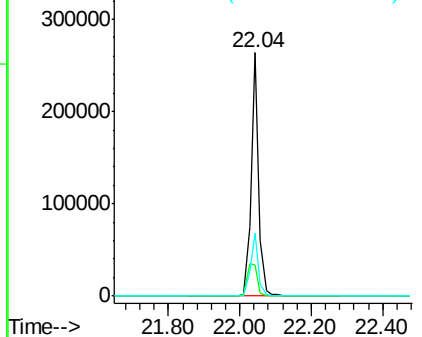


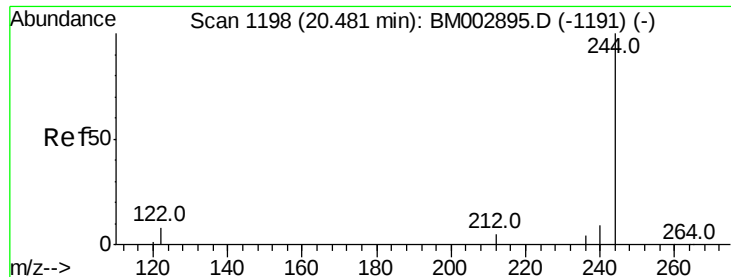
#24
 Chrysene-d12
 Concen: 5.00 ng
 RT: 22.04 min Scan# 1299
 Delta R.T. 0.00 min
 Lab File: BM002903.D
 Acq: 14 Oct 2015 18:52

Tgt Ion:240 Resp: 382314
 Ion Ratio Lower Upper
 240 100
 120 12.8 10.4 15.6
 236 25.7 22.0 33.0



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#25

Terphenyl-d14

Concen: 3.73 ng

RT: 20.48 min Scan# 1198

Delta R.T. -0.00 min

Lab File: BM002903.D

Acq: 14 Oct 2015 18:52

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WP

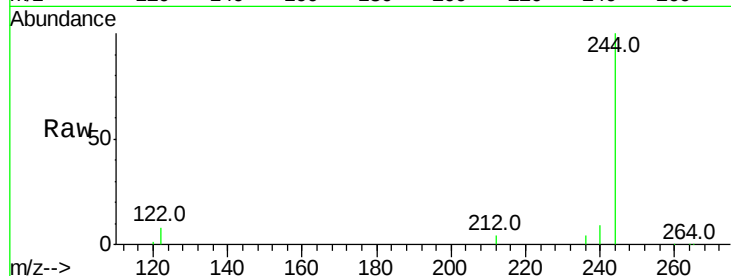
Tot Ion:244 Resp: 217023

Ion Ratio Lower Upper

244 100

212 8.3 7.3 10.9

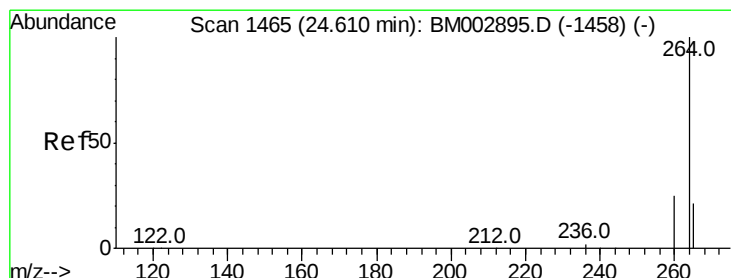
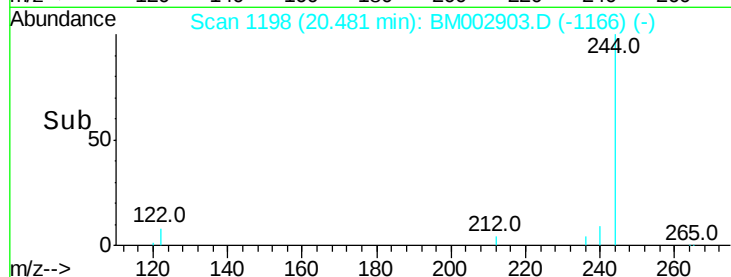
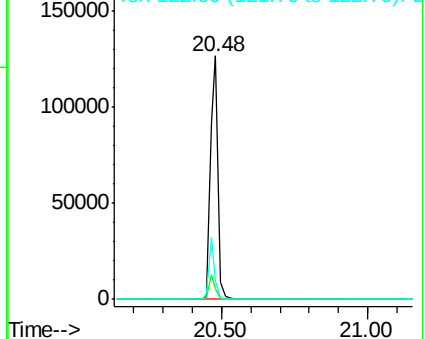
122 19.5 14.8 22.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#26

Perylene-d12

Concen: 5.00 ng

RT: 24.61 min Scan# 1465

Delta R.T. -0.00 min

Lab File: BM002903.D

Acq: 14 Oct 2015 18:52

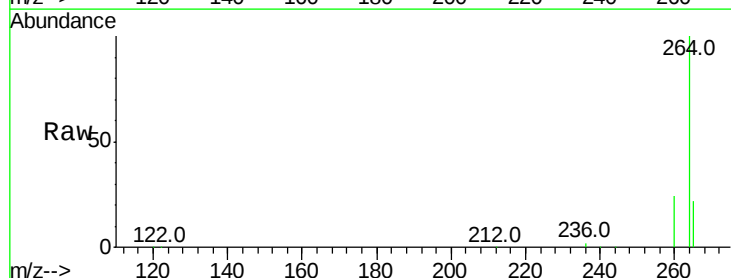
Tgt Ion:264 Resp: 351167

Ion Ratio Lower Upper

264 100

260 24.4 19.7 29.5

265 22.0 17.4 26.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

