

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101315\
 Data File : BM002899.D
 Acq On : 13 Oct 2015 22:48
 Operator : UM/IZ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM101315

Quant Time: Oct 14 12:25:10 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-ACID-BM0101315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 14 11:51:33 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	79629	5.00	ng	0.00
8) Naphthalene-d8	11.50	136	329015	5.00	ng	0.00
14) Acenaphthene-d10	15.25	164	175958	5.00	ng	0.00
21) Phenanthrene-d10	17.95	188	410542	5.00	ng	0.00
24) Chrysene-d12	22.04	240	398291	5.00	ng	0.00
26) Perylene-d12	24.61	264	364890	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	6.15	112	13107	0.92	ng	0.02
3) Phenol-d6	7.80	99	19115	0.87	ng	0.02
9) Nitrobenzene-d5	9.86	82	17117	0.94	ng	0.00
15) 2,4,6-Tribromophenol	16.71	330	5531	0.86	ng	0.00
18) 2-Fluorobiphenyl	13.88	172	53344	0.93	ng	0.01
25) Terphenyl-d14	20.48	244	54409	0.90	ng	0.00

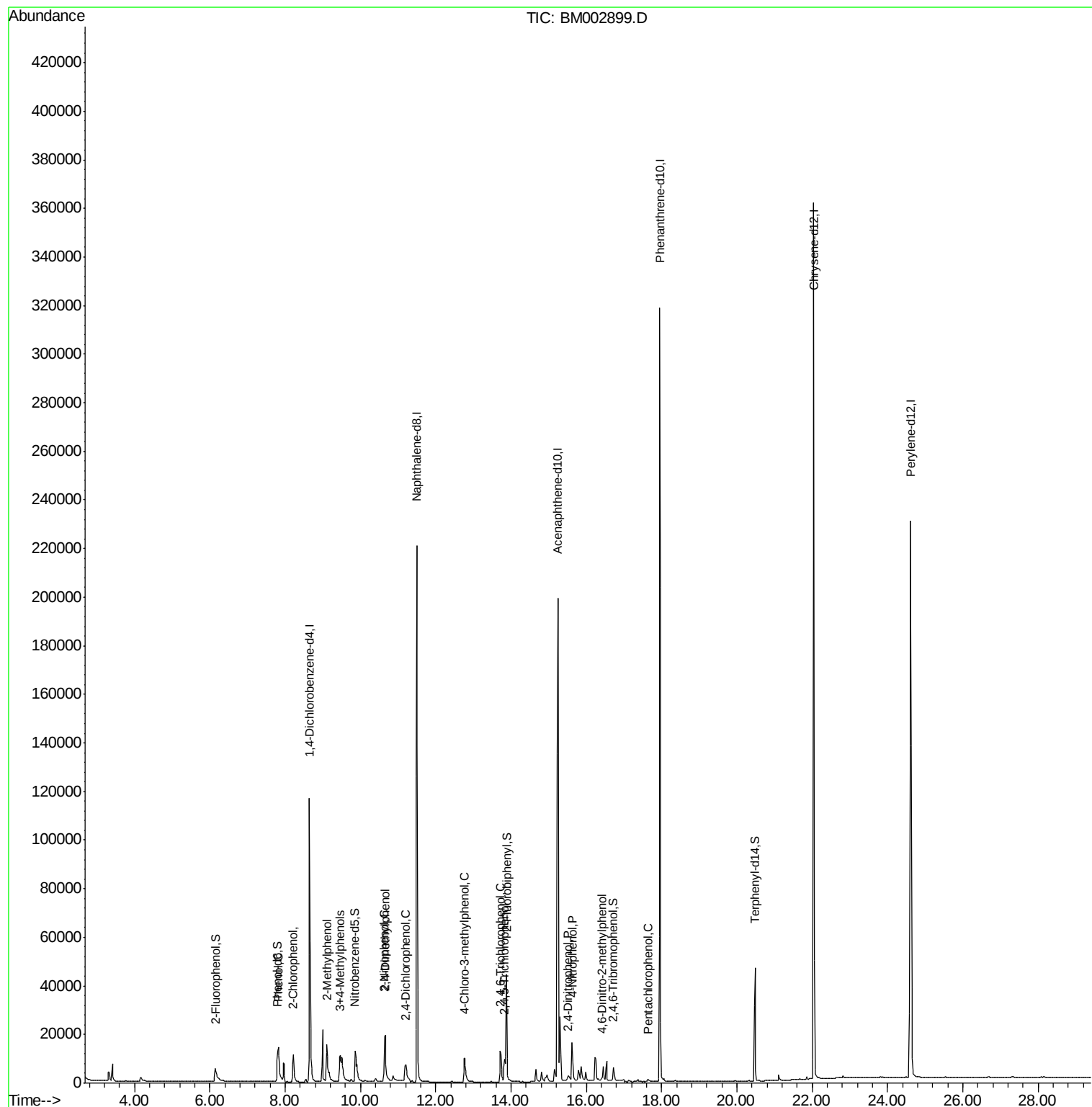
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) 2-Chlorophenol	8.21	128	18291	0.90	ng	# 70
5) Phenol	7.82	94	19566	0.91	ng	81
6) 2-Methylphenol	9.11	107	14596	0.89	ng	# 85
7) 3+4-Methylphenols	9.46	107	18035	0.89	ng	# 36
10) 2-Nitrophenol	10.64	139	7146	0.86	ng	# 59
11) 2,4-Dimethylphenol	10.66	122	16421	0.90	ng	100
12) 2,4-Dichlorophenol	11.21	162	13006	0.92	ng	94
13) 4-Chloro-3-methylphenol	12.76	107	15613	0.87	ng	# 86
16) 2,4,6-Trichlorophenol	13.72	196	9745	0.85	ng	# 81
17) 2,4,5-Trichlorophenol	13.83	196	10729	0.88	ng	# 97
19) 2,4-Dinitrophenol	15.52	184	260	0.87	ng	# 1
20) 4-Nitrophenol	15.63	139	26854	0.90	ng	# 7
22) 4,6-Dinitro-2-methylphenol	16.40	198	2043	0.82	ng	81
23) Pentachlorophenol	17.63	266	1891	0.76	ng	90

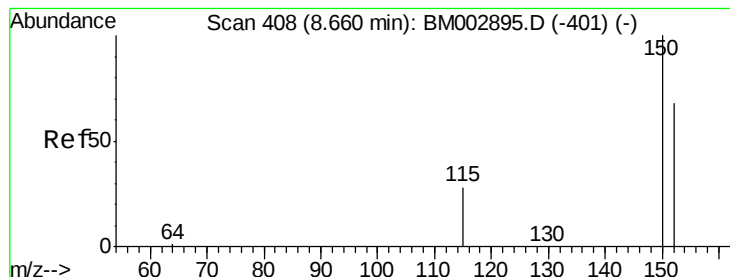
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.66 min Scan# 408

Delta R.T. -0.00 min

Lab File: BM002899.D

Acq: 13 Oct 2015 22:48

Instrument :

BNA_M

ClientSampleId :

ICVBM101315

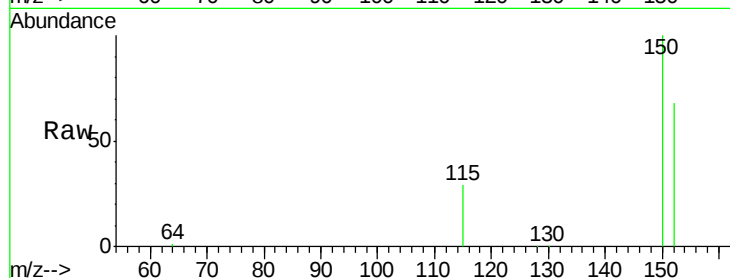
Tot Ion:152 Resp: 79629

Ion Ratio Lower Upper

152 100

150 147.2 116.3 174.5

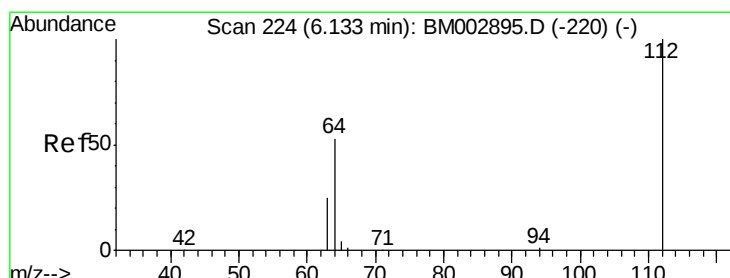
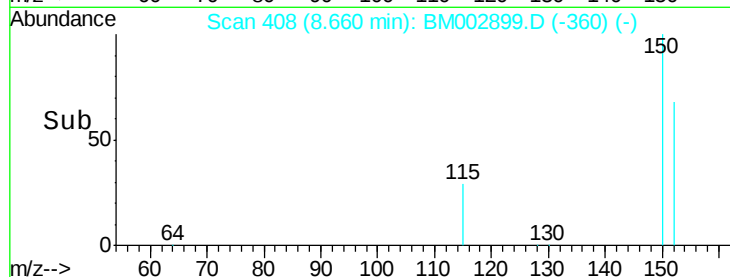
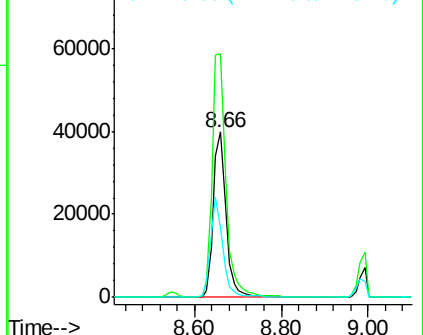
115 42.3 31.9 47.9



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: 0.92 ng

RT: 6.15 min Scan# 225

Delta R.T. 0.02 min

Lab File: BM002899.D

Acq: 13 Oct 2015 22:48

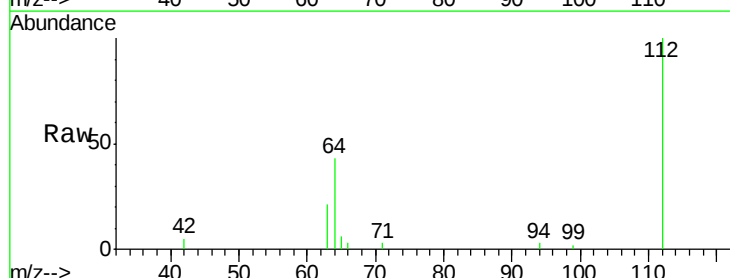
Tgt Ion:112 Resp: 13107

Ion Ratio Lower Upper

112 100

64 43.1 49.3 73.9#

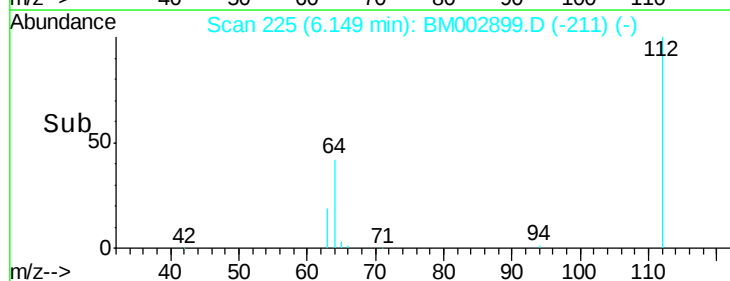
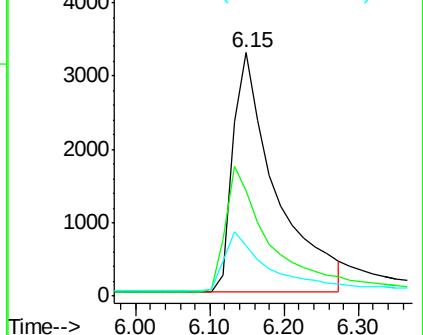
63 20.9 26.2 39.4#

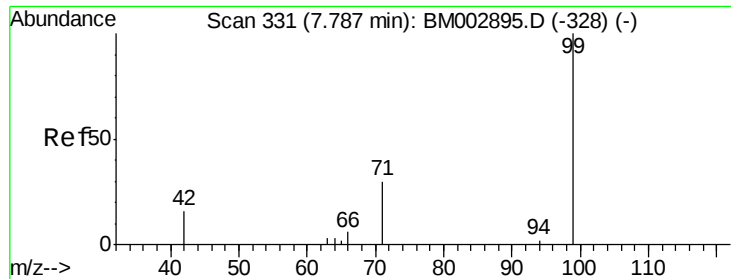


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#3

Phenol-d6

Concen: 0.87 ng

RT: 7.80 min Scan# 332

Delta R.T. 0.02 min

Lab File: BM002899.D

Acq: 13 Oct 2015 22:48

Instrument :

BNA_M

ClientSampleId :

ICVBM101315

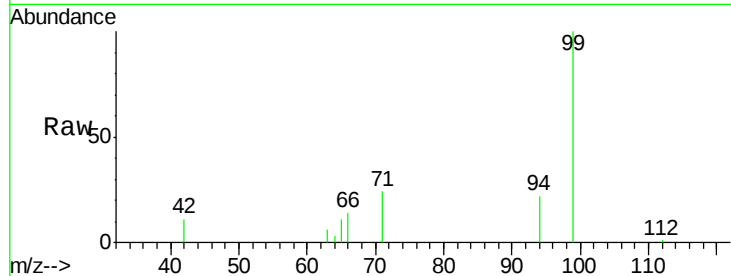
Tot Ion: 99 Resp: 19115

Ion Ratio Lower Upper

99 100

42 10.8 12.1 18.1#

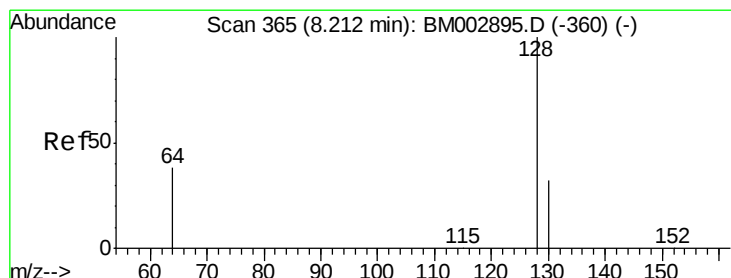
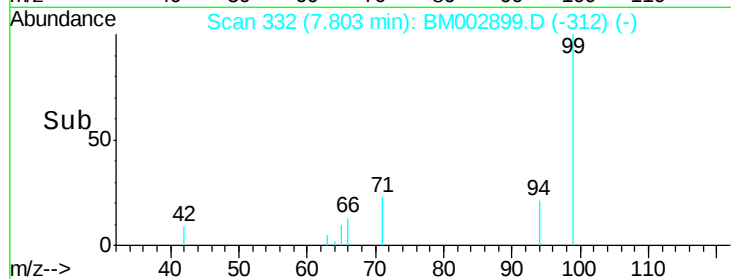
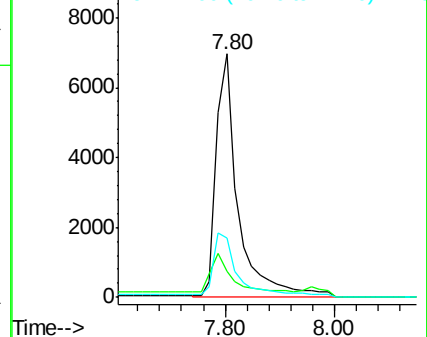
71 24.1 26.4 39.6#



Abundance Ion 99.00 (98.70 to 99.70): BM002899.D (-332) (-)

Ion 42.00 (41.70 to 42.70): BM002899.D (-332) (-)

Ion 71.00 (70.70 to 71.70): BM002899.D (-332) (-)



#4

2-Chlorophenol

Concen: 0.90 ng

RT: 8.21 min Scan# 365

Delta R.T. -0.00 min

Lab File: BM002899.D

Acq: 13 Oct 2015 22:48

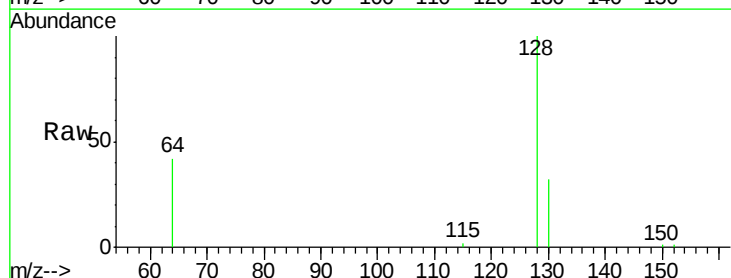
Tgt Ion: 128 Resp: 18291

Ion Ratio Lower Upper

128 100

130 31.5 22.2 62.2

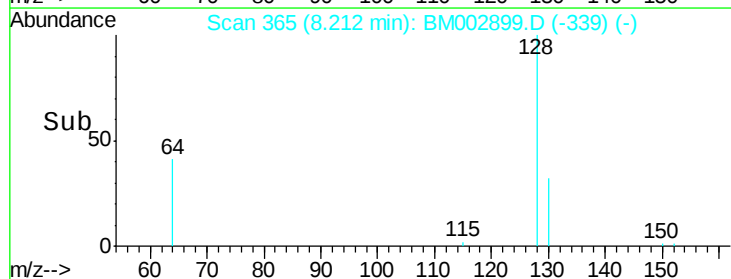
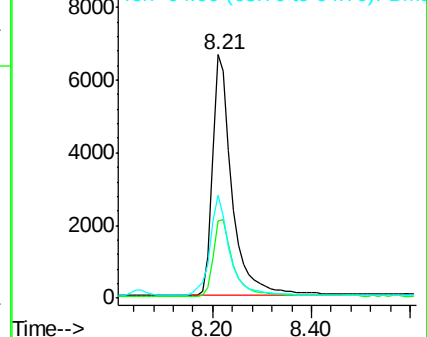
64 42.3 0.0 28.7#

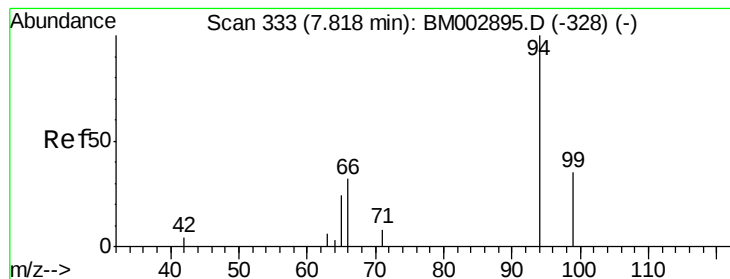


Abundance Ion 128.00 (127.70 to 128.70): BM002899.D (-339) (-)

Ion 130.00 (129.70 to 130.70): BM002899.D (-339) (-)

Ion 64.00 (63.70 to 64.70): BM002899.D (-339) (-)





#5

Phenol

Concen: 0.91 ng

RT: 7.82 min Scan# 333

Delta R.T. -0.00 min

Lab File: BM002899.D

Acq: 13 Oct 2015 22:48

Instrument :

BNA_M

ClientSampleId :

ICVBM101315

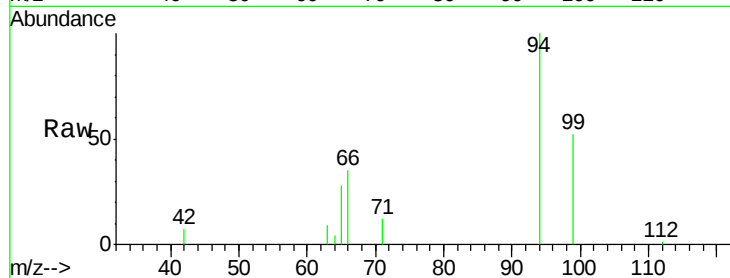
Tot Ion: 94 Resp: 19566

Ion Ratio Lower Upper

94 100

65 27.9 0.0 37.7

66 35.0 6.3 46.3



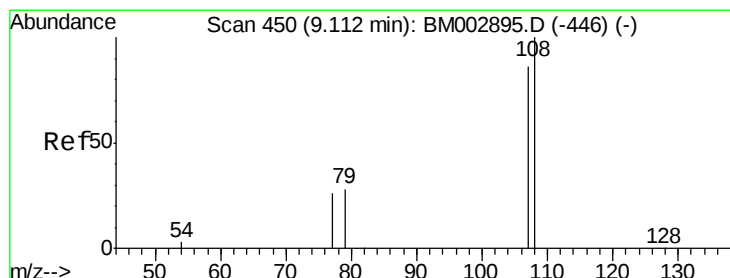
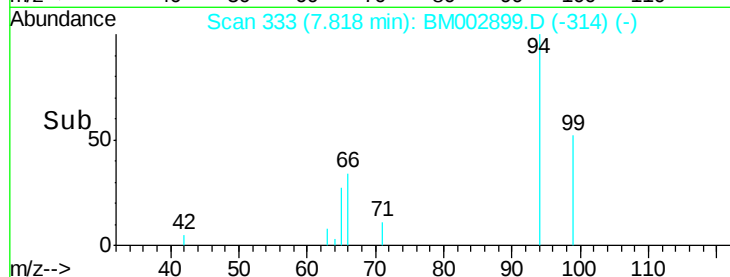
Abundance Ion 94.00 (93.70 to 94.70): BM002899.D (-328) (-)

Ion 65.00 (64.70 to 65.70): BM002899.D (-328) (-)

Ion 66.00 (65.70 to 66.70): BM002899.D (-328) (-)

7.82

Time-->



#6

2-Methylphenol

Concen: 0.89 ng

RT: 9.11 min Scan# 450

Delta R.T. -0.00 min

Lab File: BM002899.D

Acq: 13 Oct 2015 22:48

Tgt Ion: 107 Resp: 14596

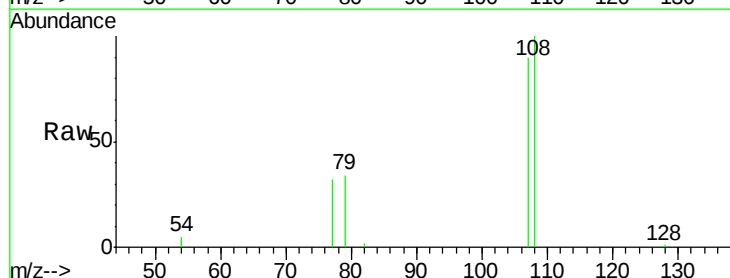
Ion Ratio Lower Upper

107 100

108 111.7 100.9 151.3

77 36.3 20.3 30.5#

79 38.0 22.8 34.2#



Abundance Ion 107.00 (106.70 to 107.70): BM002899.D (-446) (-)

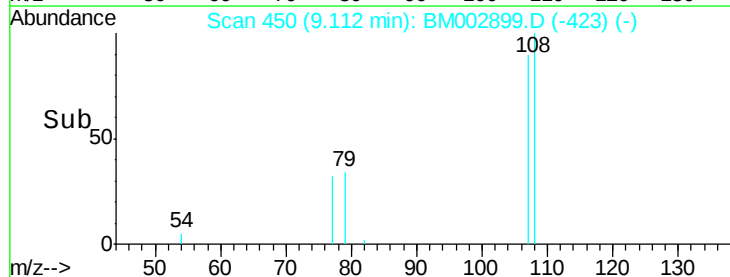
Ion 108.00 (107.70 to 108.70): BM002899.D (-446) (-)

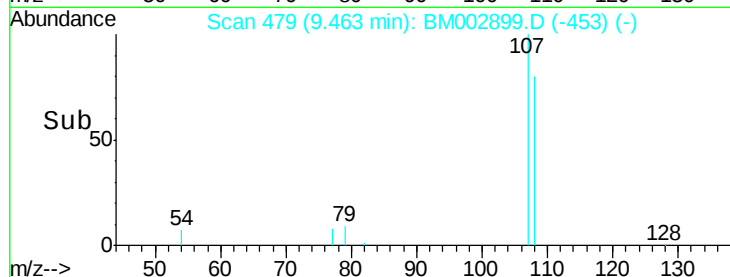
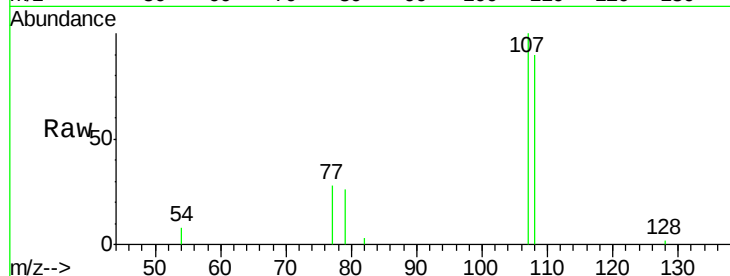
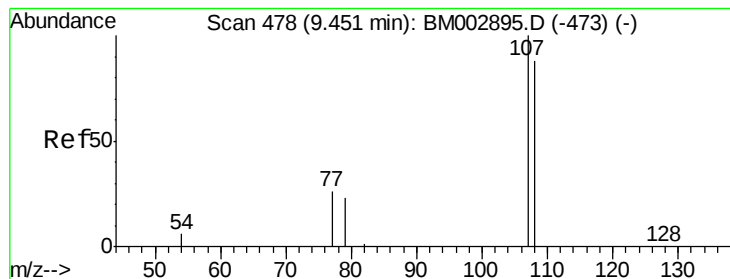
Ion 77.00 (76.70 to 77.70): BM002899.D (-446) (-)

Ion 79.00 (78.70 to 79.70): BM002899.D (-446) (-)

9.11

Time-->





#7

3+4-Methylphenols

Concen: 0.89 ng

RT: 9.46 min Scan# 479

Delta R.T. 0.01 min

Lab File: BM002899.D

Acq: 13 Oct 2015 22:48

Instrument :

BNA_M

ClientSampleId :

ICVBM101315

Tot Ion:107 Resp: 18035

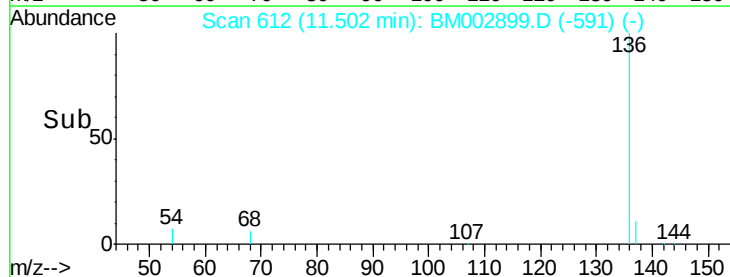
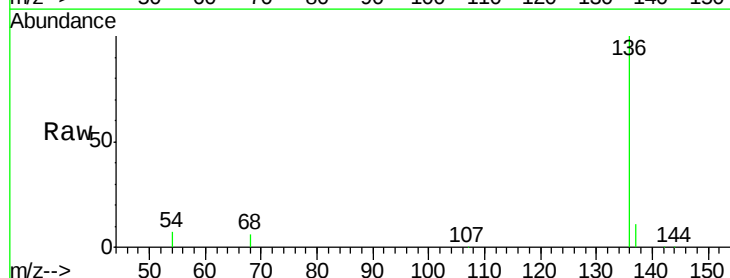
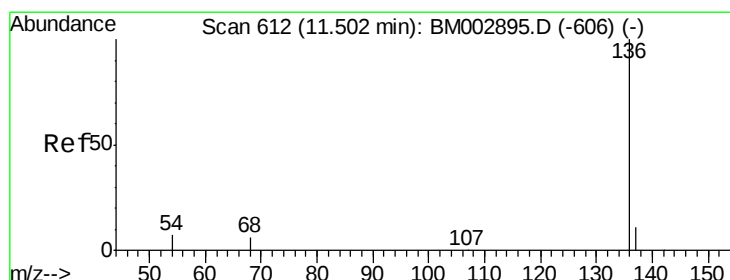
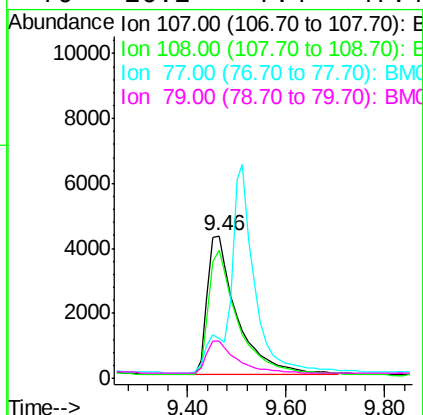
Ion Ratio Lower Upper

107 100

108 90.1 86.3 126.3

77 28.4 151.7 191.7#

79 26.2 7.4 47.4



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 11.50 min Scan# 612

Delta R.T. -0.00 min

Lab File: BM002899.D

Acq: 13 Oct 2015 22:48

Tgt Ion:136 Resp: 329015

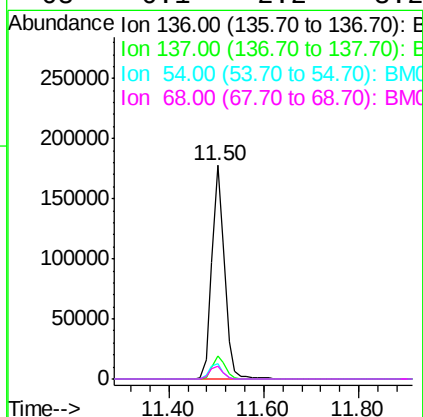
Ion Ratio Lower Upper

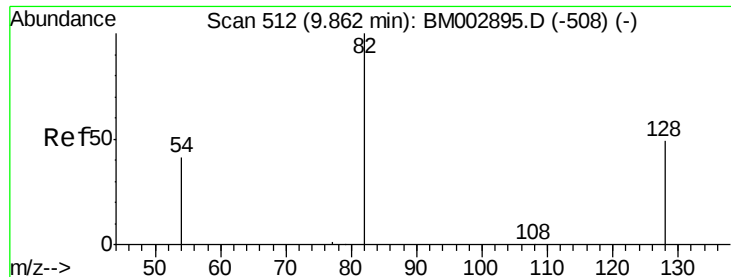
136 100

137 10.8 9.1 13.7

54 7.1 2.6 3.8#

68 6.1 2.2 3.2#





#9

Nitrobenzene-d5

Concen: 0.94 ng

RT: 9.86 min Scan# 512

Delta R.T. 0.00 min

Lab File: BM002899.D

Acq: 13 Oct 2015 22:48

Instrument :

BNA_M

ClientSampleId :

ICVBM101315

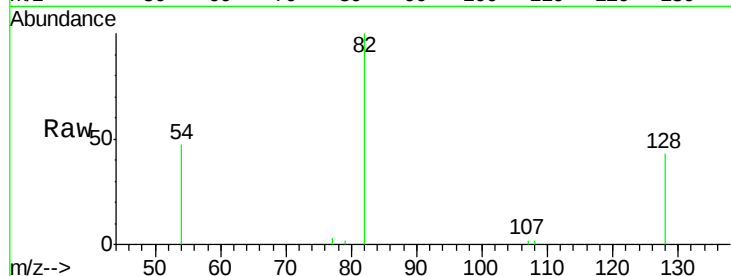
Tot Ion: 82 Resp: 17117

Ion Ratio Lower Upper

82 100

128 52.3 0.0 0.0#

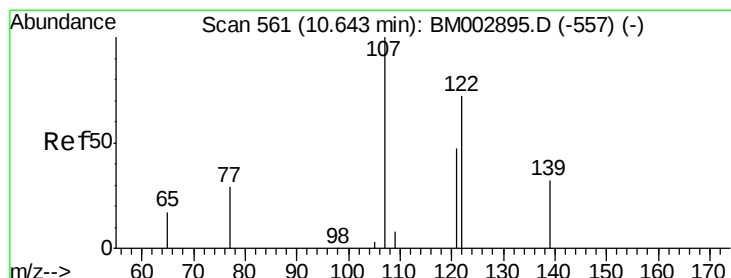
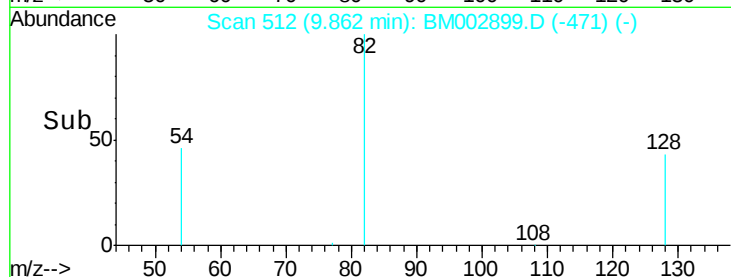
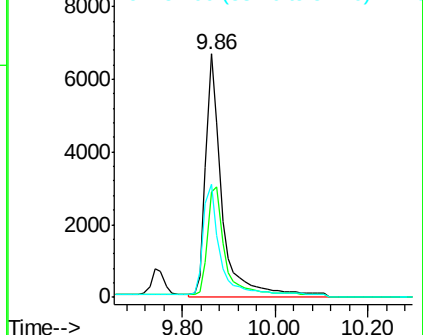
54 51.9 59.0 88.6#



Abundance Ion 82.00 (81.70 to 82.70): BM002899.D (-508) (-)

Ion 128.00 (127.70 to 128.70): BM002899.D (-508) (-)

Ion 54.00 (53.70 to 54.70): BM002899.D (-508) (-)



#10

2-Nitrophenol

Concen: 0.86 ng

RT: 10.64 min Scan# 561

Delta R.T. -0.00 min

Lab File: BM002899.D

Acq: 13 Oct 2015 22:48

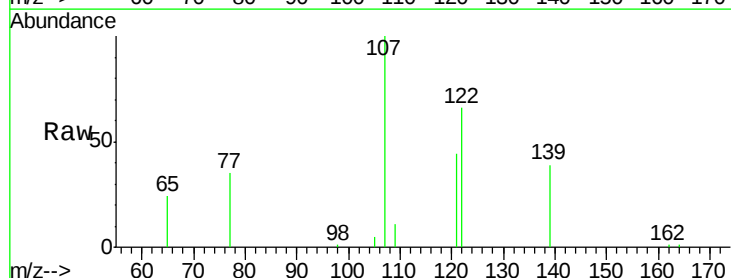
Tgt Ion: 139 Resp: 7146

Ion Ratio Lower Upper

139 100

109 27.5 19.5 29.3

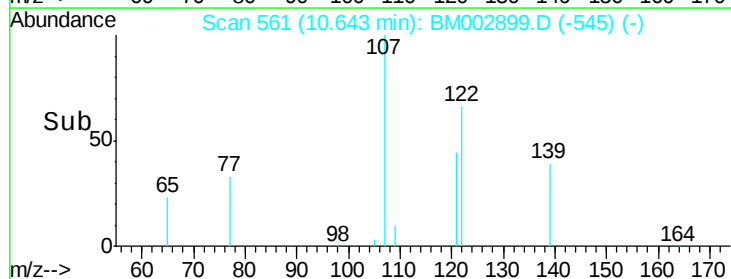
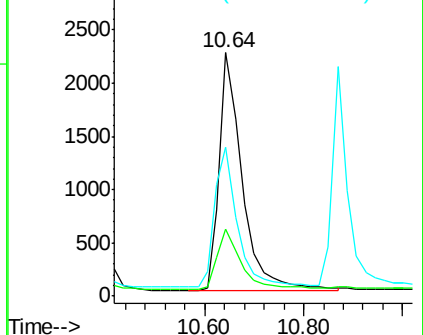
65 61.1 18.6 28.0#

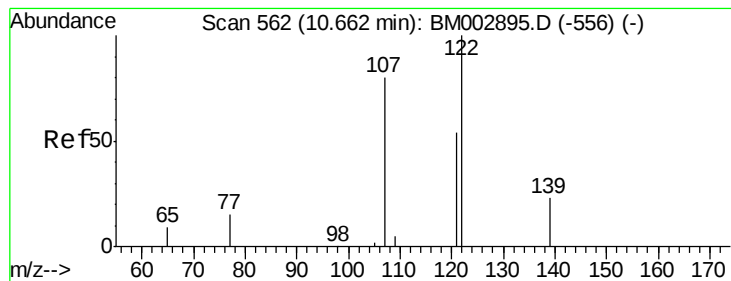


Abundance Ion 139.00 (138.70 to 139.70): BM002899.D (-557) (-)

Ion 109.00 (108.70 to 109.70): BM002899.D (-557) (-)

Ion 65.00 (64.70 to 65.70): BM002899.D (-557) (-)

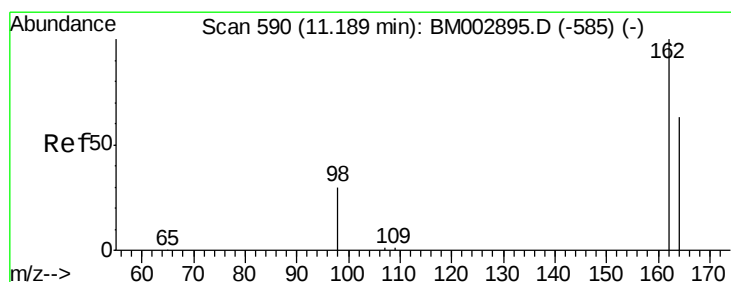
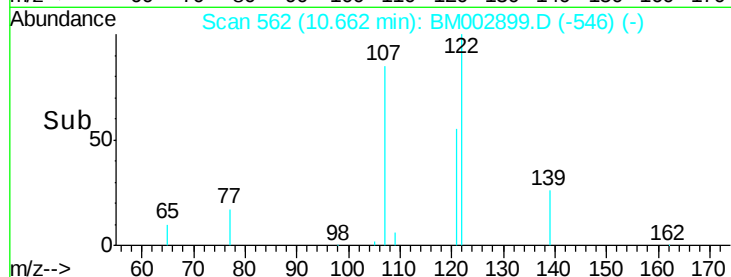
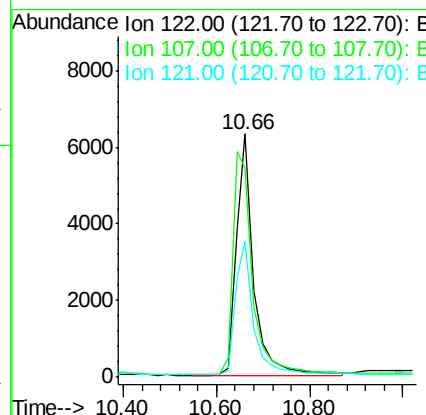
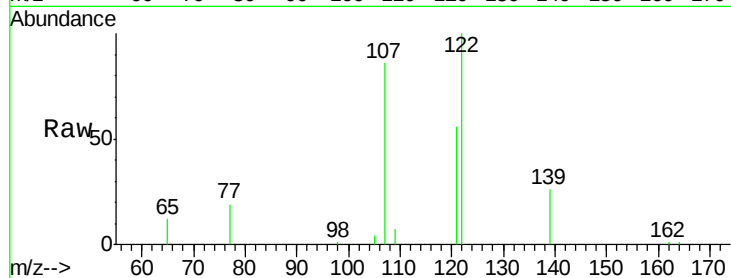




#11
 2,4-Dimethylphenol
 Concen: 0.90 ng
 RT: 10.66 min Scan# 562
 Delta R.T. -0.00 min
 Lab File: BM002899.D
 Acq: 13 Oct 2015 22:48

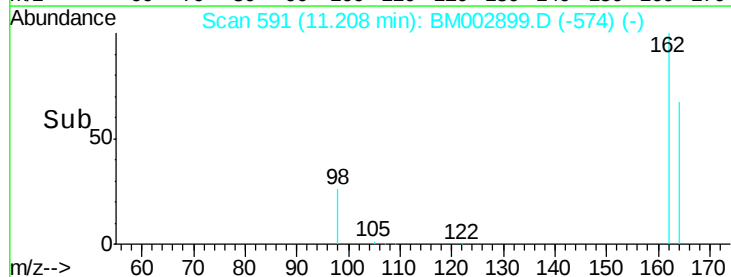
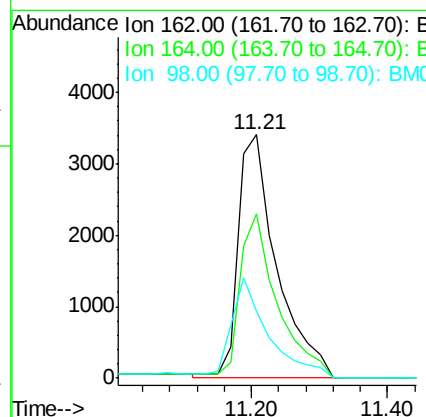
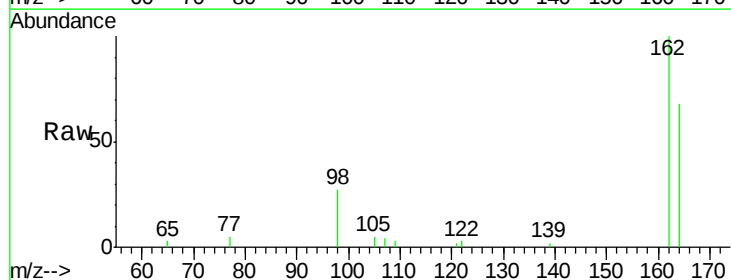
Instrument :
 BNA_M
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 ICVBM101315

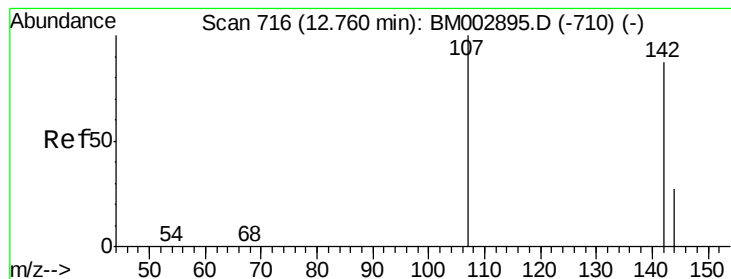
Tot Ion:122 Resp: 16421
 Ion Ratio Lower Upper
 122 100
 107 85.6 68.6 102.8
 121 55.7 44.8 67.2



#12
 2,4-Dichlorophenol
 Concen: 0.92 ng
 RT: 11.21 min Scan# 591
 Delta R.T. 0.02 min
 Lab File: BM002899.D
 Acq: 13 Oct 2015 22:48

Tgt Ion:162 Resp: 13006
 Ion Ratio Lower Upper
 162 100
 164 67.7 49.2 89.2
 98 27.3 0.0 37.4





#13

4-Chloro-3-methylphenol

Concen: 0.87 ng

RT: 12.76 min Scan# 716

Delta R.T. -0.00 min

Lab File: BM002899.D

Acq: 13 Oct 2015 22:48

Instrument :

BNA_M

ClientSampleId :

ICVBM101315

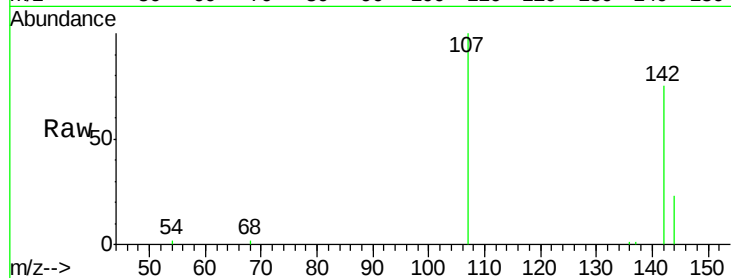
Tot Ion:107 Resp: 15613

Ion Ratio Lower Upper

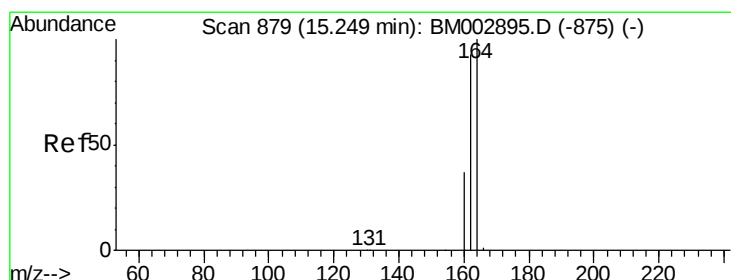
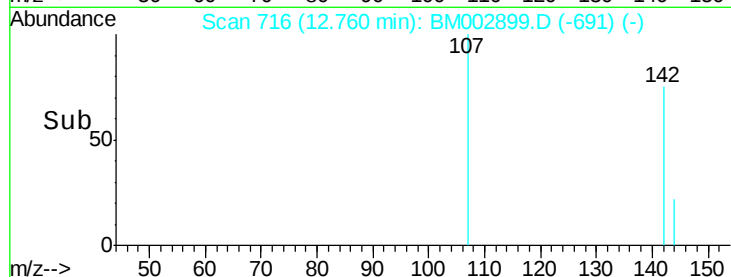
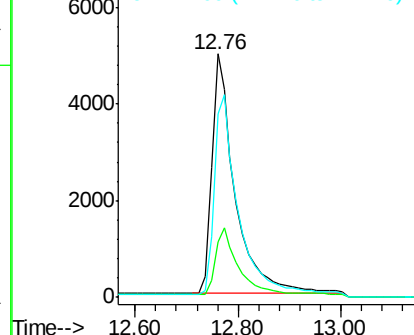
107 100

144 22.8 16.2 24.2

142 75.2 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: BM002899.D

Acq: 13 Oct 2015 22:48

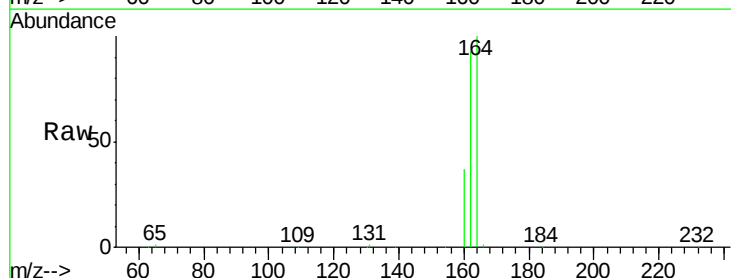
Tgt Ion:164 Resp: 175958

Ion Ratio Lower Upper

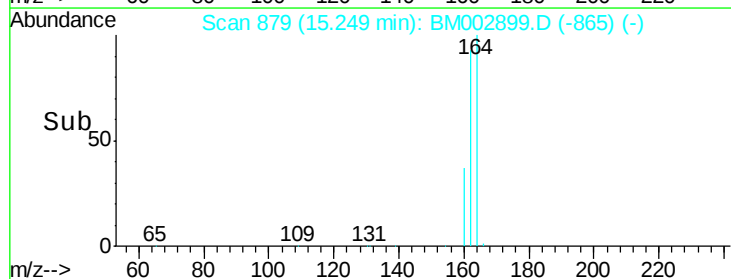
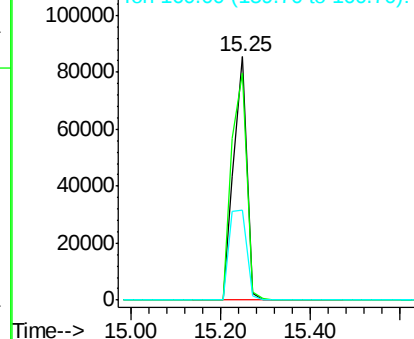
164 100

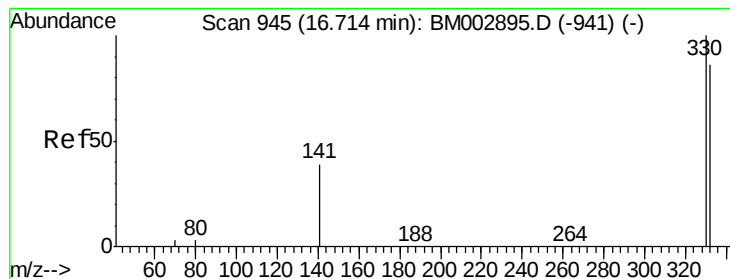
162 93.3 79.2 118.8

160 36.8 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: 0.86 ng

RT: 16.71 min Scan# 945

Delta R.T. -0.00 min

Lab File: BM002899.D

Acq: 13 Oct 2015 22:48

Instrument :

BNA_M

ClientSampleId :

ICVBM101315

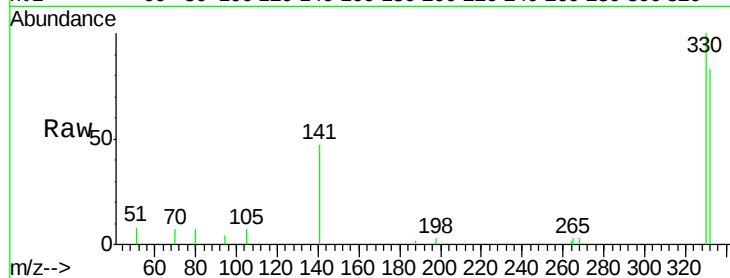
Tot Ion:330 Resp: 5531

Ion Ratio Lower Upper

330 100

332 93.4 74.0 111.0

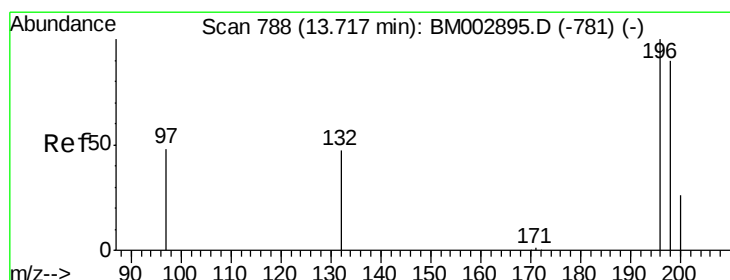
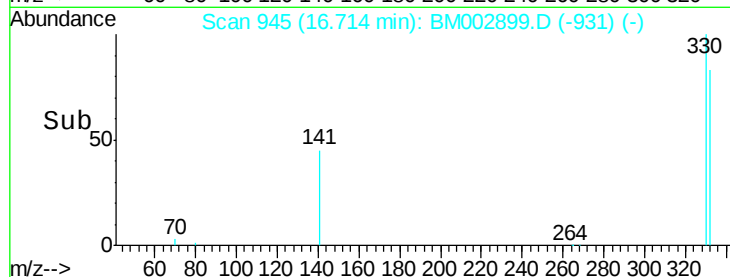
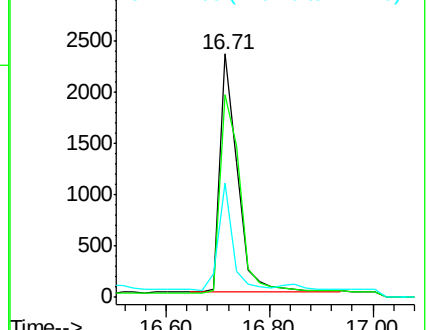
141 35.0 24.1 36.1



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#16

2,4,6-Trichlorophenol

Concen: 0.85 ng

RT: 13.72 min Scan# 788

Delta R.T. -0.00 min

Lab File: BM002899.D

Acq: 13 Oct 2015 22:48

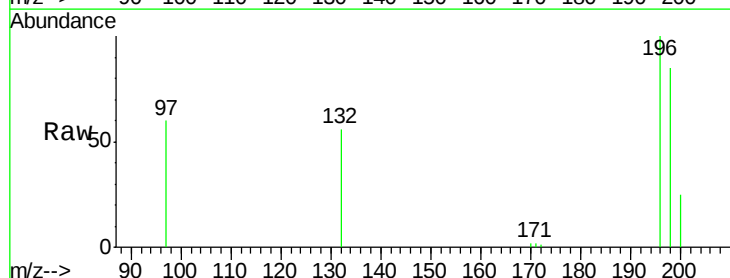
Tgt Ion:196 Resp: 9745

Ion Ratio Lower Upper

196 100

198 85.5 54.2 81.2#

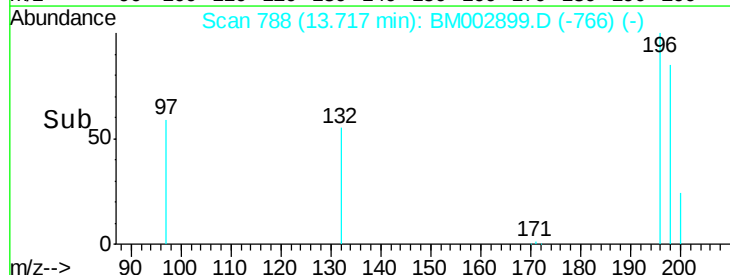
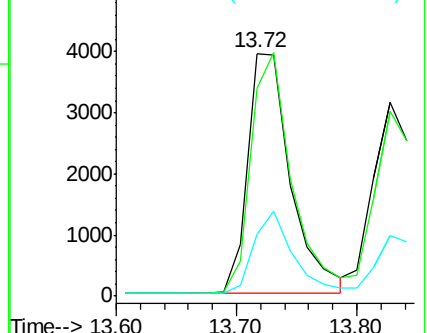
200 25.3 17.1 25.7

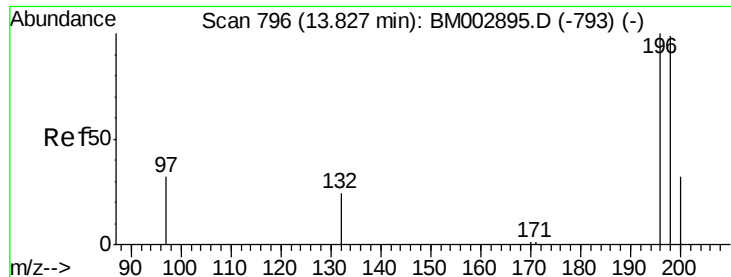


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

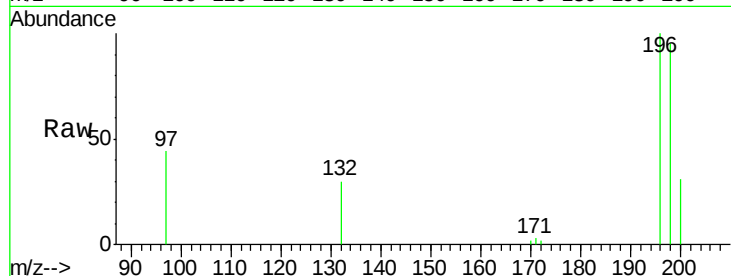




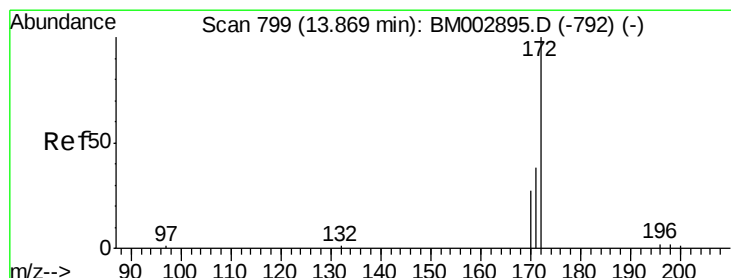
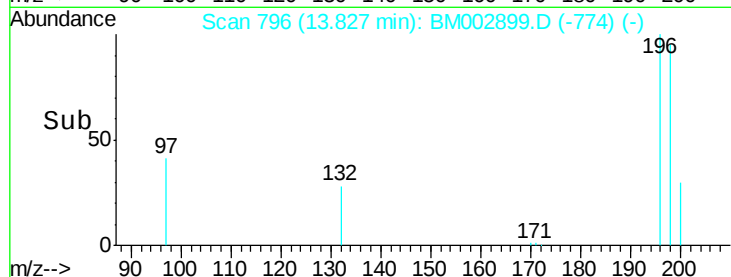
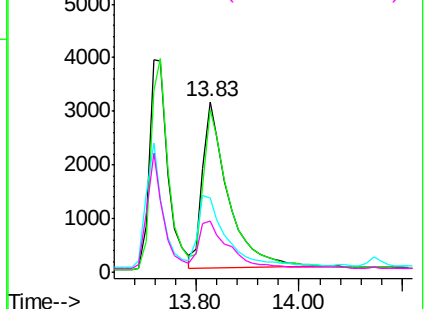
#17
2,4,5-Trichlorophenol
Concen: 0.88 ng
RT: 13.83 min Scan# 796
Delta R.T. -0.00 min
Lab File: BM002899.D
Acq: 13 Oct 2015 22:48

Instrument :
BNA_M
ClientSampleId :
ICVBM101315

Tot Ion:196 Resp: 10729
Ion Ratio Lower Upper
196 100
198 95.2 73.6 110.4
97 44.0 0.0 0.0#
132 29.9 0.0 0.0#

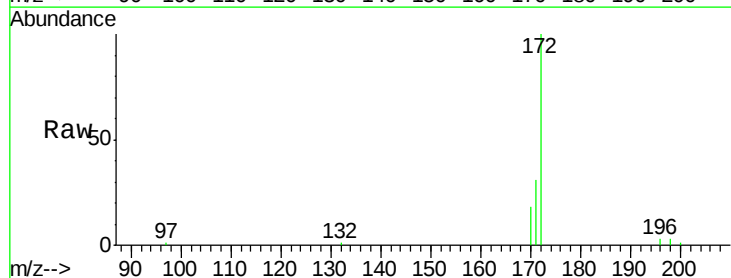


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BM
Ion 132.00 (131.70 to 132.70): E

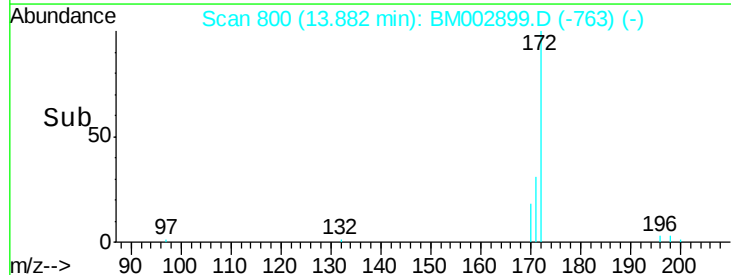
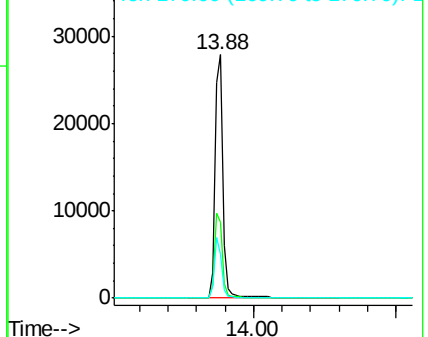


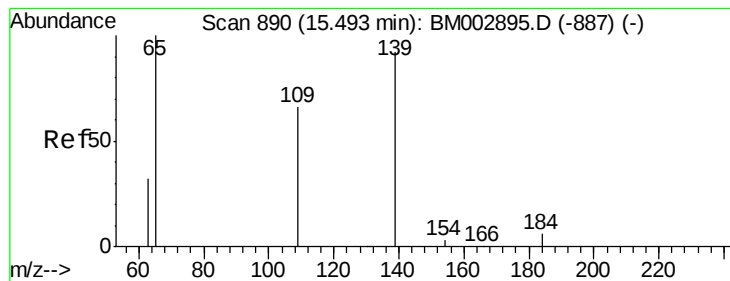
#18
2-Fluorobiphenyl
Concen: 0.93 ng
RT: 13.88 min Scan# 800
Delta R.T. 0.01 min
Lab File: BM002899.D
Acq: 13 Oct 2015 22:48

Tgt Ion:172 Resp: 53344
Ion Ratio Lower Upper
172 100
171 34.6 0.0 0.0#
170 22.7 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: 0.87 ng

RT: 15.52 min Scan# 891

Delta R.T. 0.02 min

Lab File: BM002899.D

Acq: 13 Oct 2015 22:48

Instrument :

BNA_M

ClientSampleId :

ICVBM101315

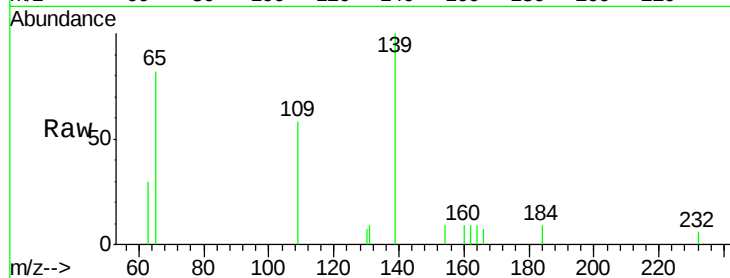
Tot Ion:184 Resp: 260

Ion Ratio Lower Upper

184 100

63 319.0 52.0 78.0#

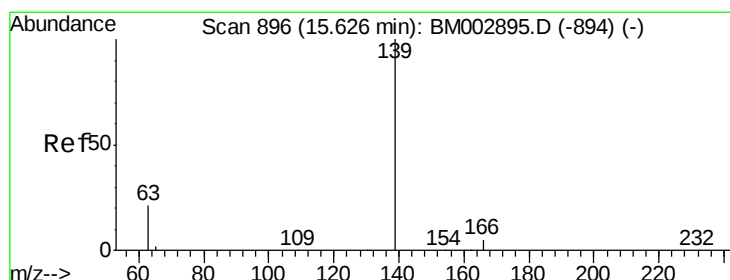
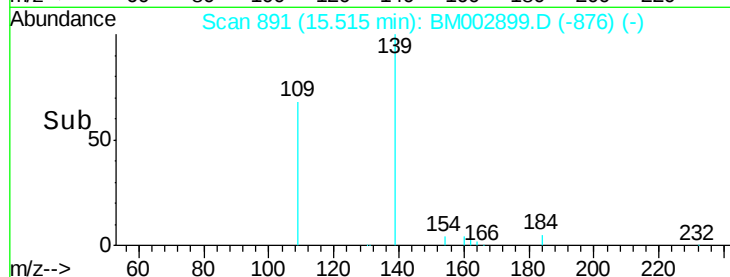
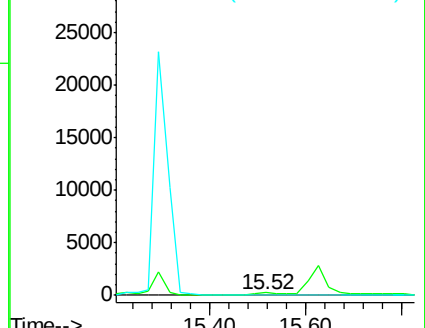
154 98.8 51.4 77.2#



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: 0.90 ng

RT: 15.63 min Scan# 896

Delta R.T. -0.00 min

Lab File: BM002899.D

Acq: 13 Oct 2015 22:48

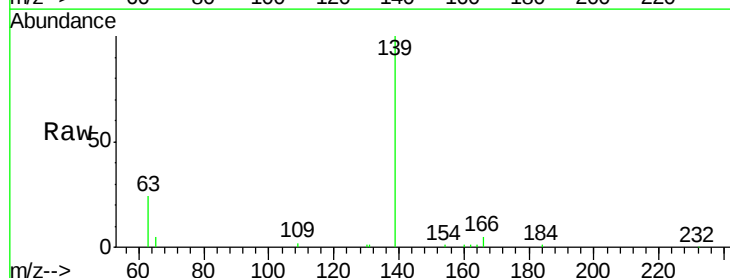
Tgt Ion:139 Resp: 26854

Ion Ratio Lower Upper

139 100

109 2.4 60.0 100.0#

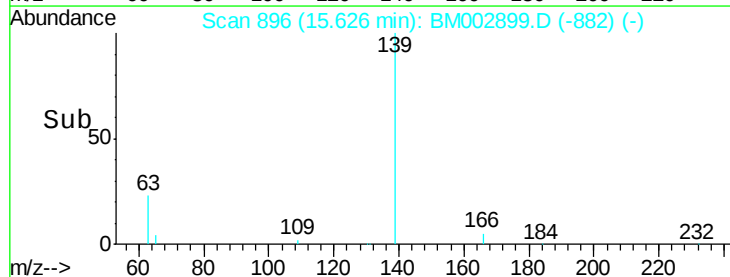
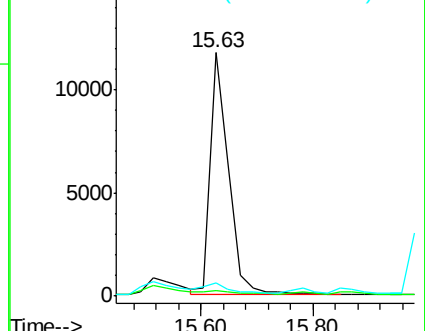
65 5.2 85.7 125.7#

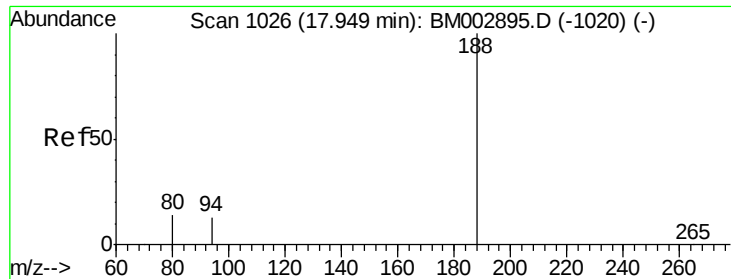


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM0

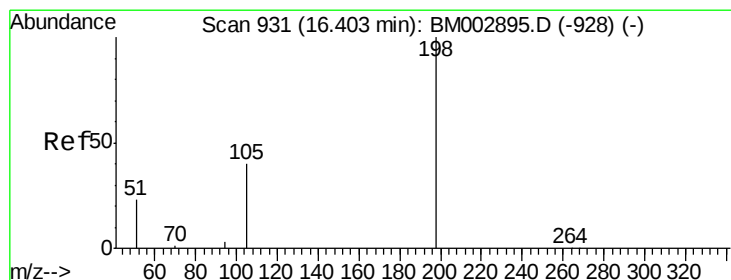
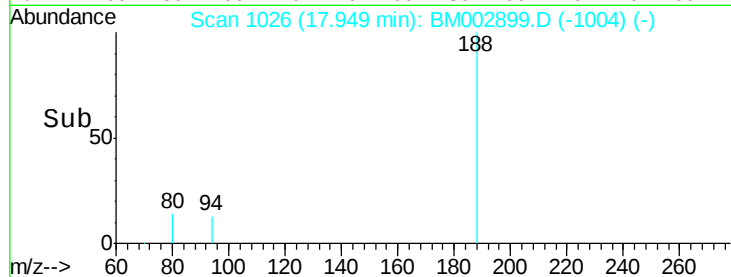
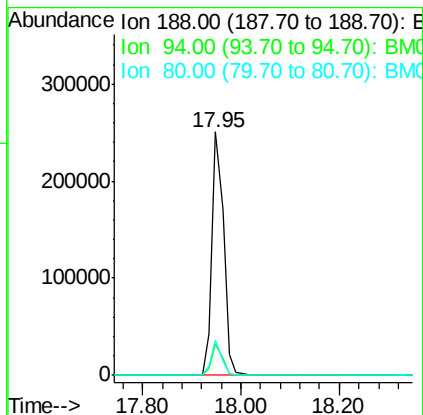
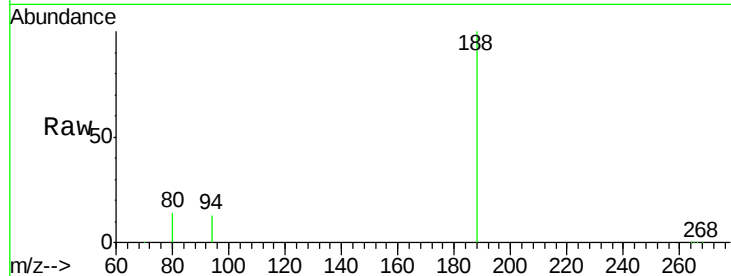




#21
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.95 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BM002899.D
Acq: 13 Oct 2015 22:48

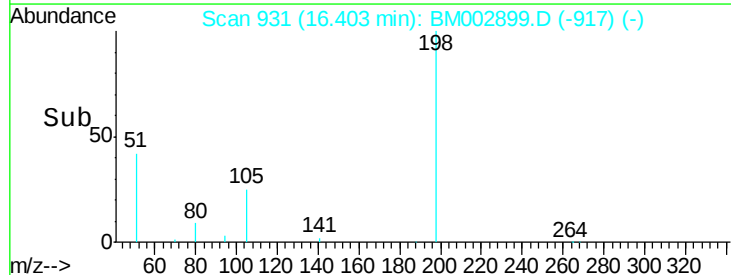
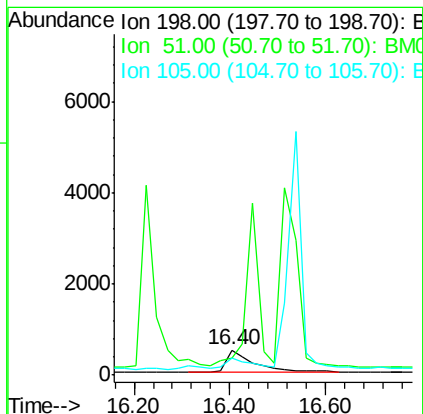
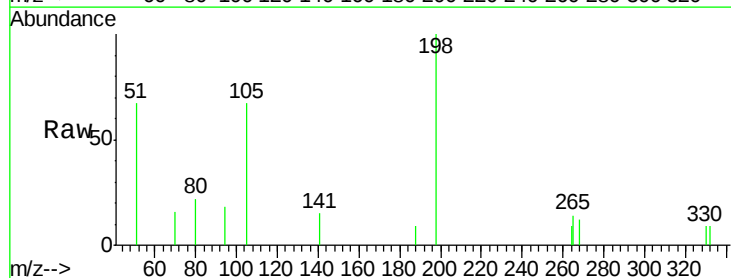
Instrument :
BNA_M
ClientSampleId :
ICVBM101315

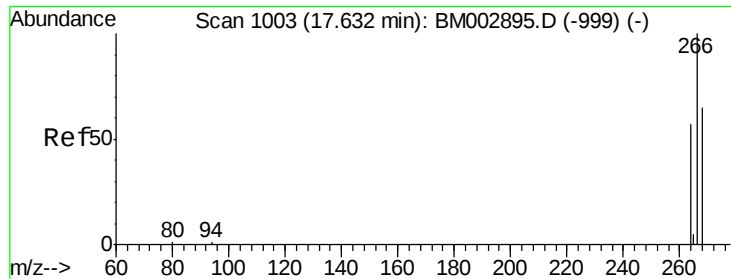
Tot Ion:188 Resp: 410542
Ion Ratio Lower Upper
188 100
94 12.7 2.9 4.3#
80 14.2 2.5 3.7#



#22
4,6-Dinitro-2-methylphenol
Concen: 0.82 ng
RT: 16.40 min Scan# 931
Delta R.T. -0.00 min
Lab File: BM002899.D
Acq: 13 Oct 2015 22:48

Tgt Ion:198 Resp: 2043
Ion Ratio Lower Upper
198 100
51 67.2 60.8 100.8
105 67.4 30.0 70.0

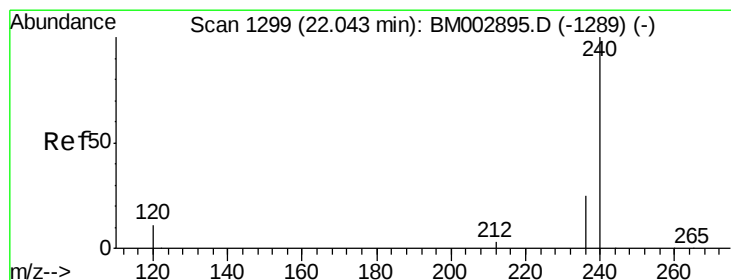
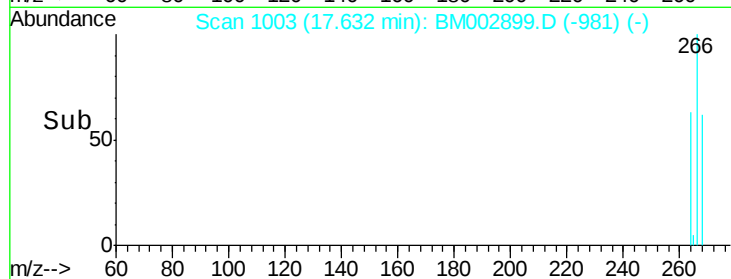
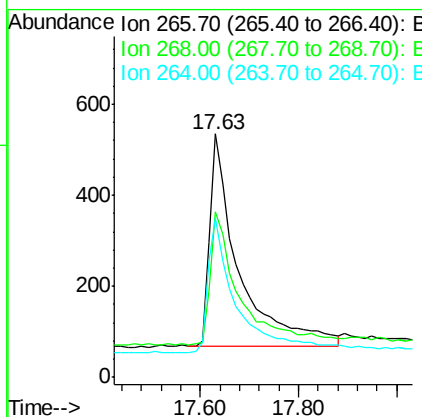
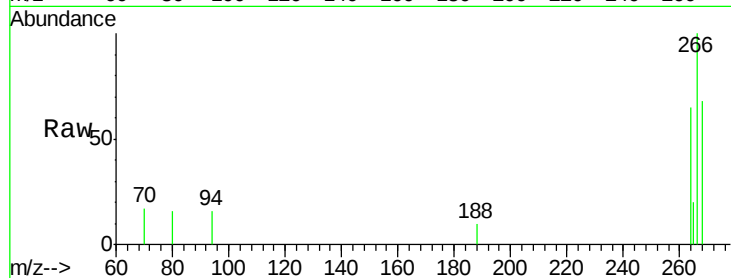




#23
 Pentachlorophenol
 Concen: 0.76 ng
 RT: 17.63 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: BM002899.D
 Acq: 13 Oct 2015 22:48

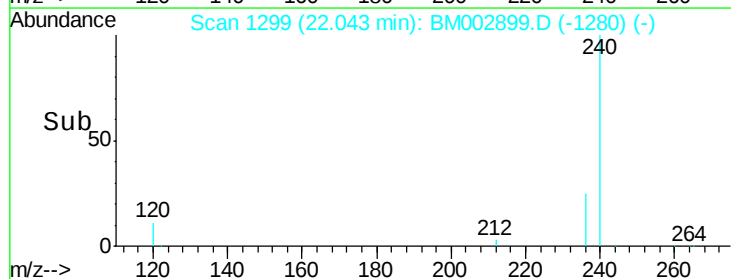
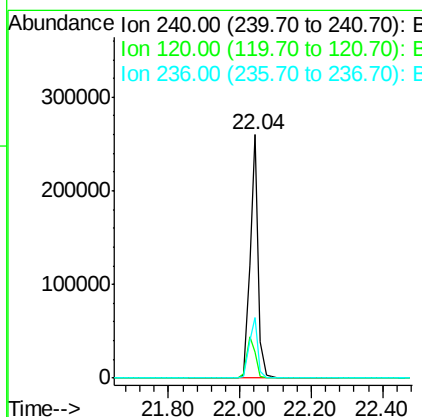
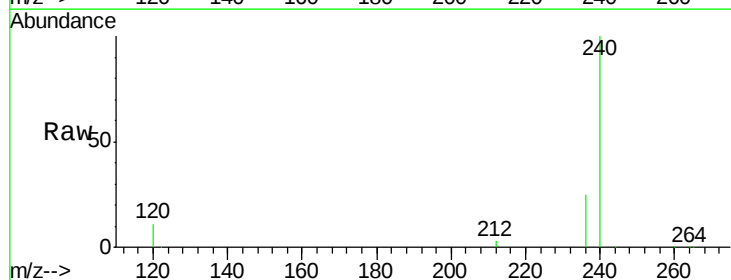
Instrument :
 BNA_M
 ClientSampleId :
 ICVBM101315

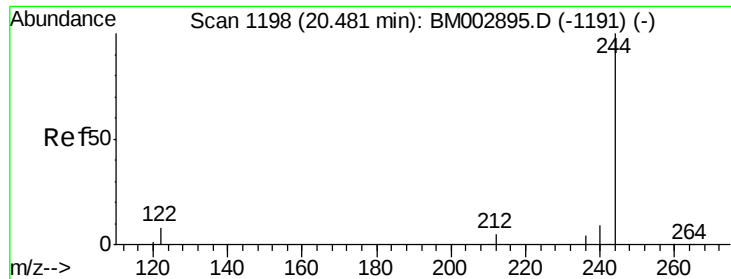
Tot Ion:266 Resp: 1891
 Ion Ratio Lower Upper
 266 100
 268 68.0 62.6 94.0
 264 65.2 47.9 71.9



#24
 Chrysene-d12
 Concen: 5.00 ng
 RT: 22.04 min Scan# 1299
 Delta R.T. -0.00 min
 Lab File: BM002899.D
 Acq: 13 Oct 2015 22:48

Tgt Ion:240 Resp: 398291
 Ion Ratio Lower Upper
 240 100
 120 10.8 10.4 15.6
 236 24.7 22.0 33.0





#25

Terphenyl-d14

Concen: 0.90 ng

RT: 20.48 min Scan# 1198

Delta R.T. -0.00 min

Lab File: BM002899.D

Acq: 13 Oct 2015 22:48

Instrument :

BNA_M

ClientSampleId :

ICVBM101315

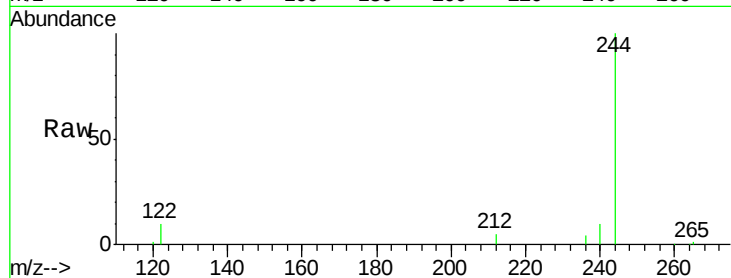
Tot Ion:244 Resp: 54409

Ion Ratio Lower Upper

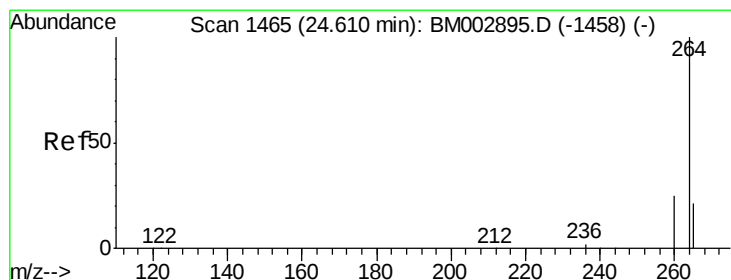
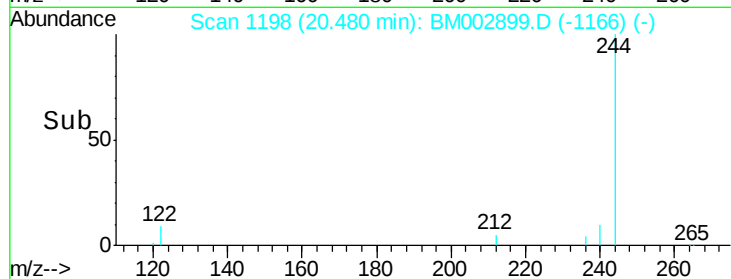
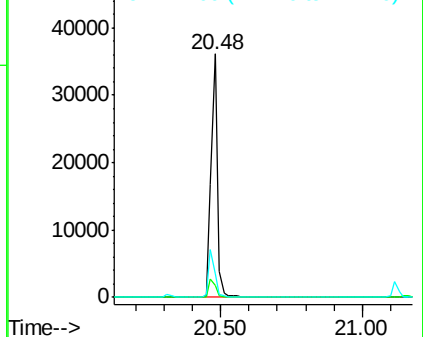
244 100

212 8.1 7.3 10.9

122 19.4 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: BM002899.D

Acq: 13 Oct 2015 22:48

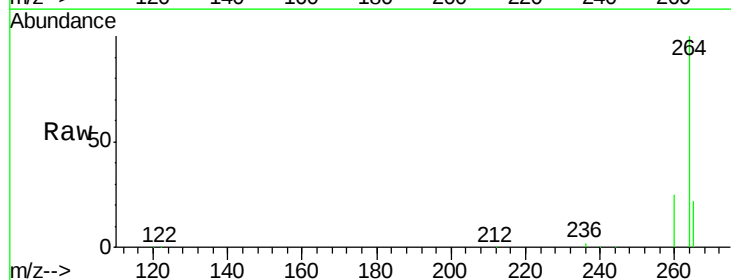
Tgt Ion:264 Resp: 364890

Ion Ratio Lower Upper

264 100

260 24.7 19.7 29.5

265 21.9 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

