

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101315\
 Data File : BM002896.D
 Acq On : 13 Oct 2015 20:59
 Operator : UM/IZ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC002

Quant Time: Oct 14 11:23:25 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 11:09:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	80044	5.00	ng	0.00
8) Naphthalene-d8	11.50	136	343434	5.00	ng	0.00
14) Acenaphthene-d10	15.25	164	187622	5.00	ng	0.00
21) Phenanthrene-d10	17.95	188	424144	5.00	ng	0.00
24) Chrysene-d12	22.04	240	403790	5.00	ng	0.00
26) Perylene-d12	24.61	264	380723	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	6.13	112	30054	2.25	ng	0.00
3) Phenol-d6	7.79	99	41162	2.29	ng	0.00
9) Nitrobenzene-d5	9.85	82	36664	1.89	ng	-0.01
15) 2,4,6-Tribromophenol	16.71	330	14249	1.86	ng	0.00
18) 2-Fluorobiphenyl	13.87	172	116963	2.00	ng	0.00
25) Terphenyl-d14	20.48	244	117273	2.18	ng	0.00

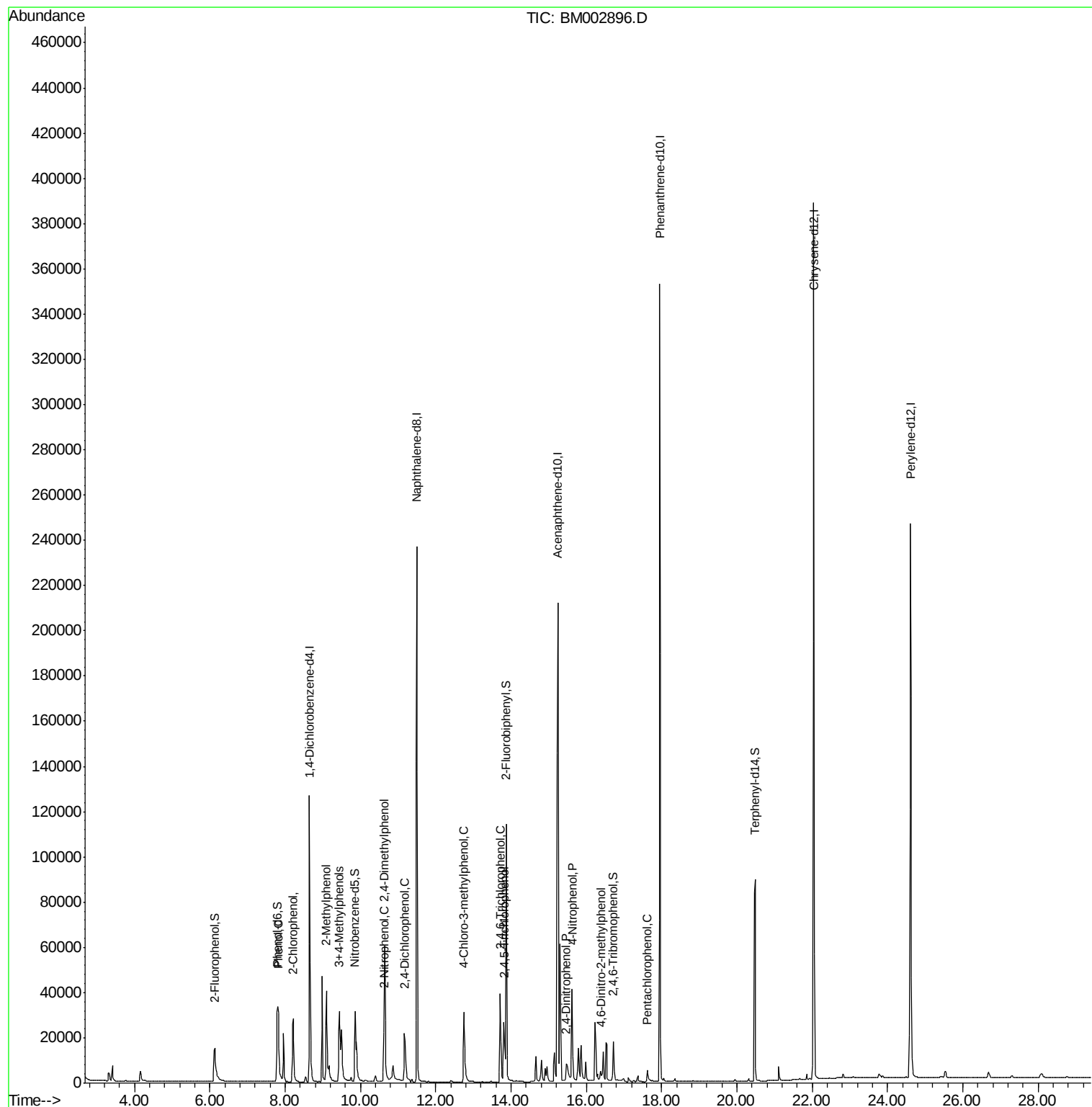
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) 2-Chlorophenol	8.21	128	39913	3.20	ng	# 75
5) Phenol	7.82	94	43033	2.37	ng	95
6) 2-Methylphenol	9.10	107	29354	2.88	ng	# 84
7) 3+4-Methylphenols	9.44	107	41269	3.14	ng	# 34
10) 2-Nitrophenol	10.62	139	17017	2.19	ng	# 70
11) 2,4-Dimethylphenol	10.64	122	37876	2.25	ng	# 77
12) 2,4-Dichlorophenol	11.17	162	31427	1.89	ng	# 82
13) 4-Chloro-3-methylphenol	12.75	107	37919	2.14	ng	# 81
16) 2,4,6-Trichlorophenol	13.72	196	24628	1.82	ng	# 67
17) 2,4,5-Trichlorophenol	13.81	196	27278	1.80	ng	# 92
19) 2,4-Dinitrophenol	15.45	184	1675	0.58	ng	# 82
20) 4-Nitrophenol	15.63	139	60337	5.91	ng	# 5
22) 4,6-Dinitro-2-methylphenol	16.38	198	6837	0.83	ng	# 72
23) Pentachlorophenol	17.62	266	6825	0.96	ng	# 85

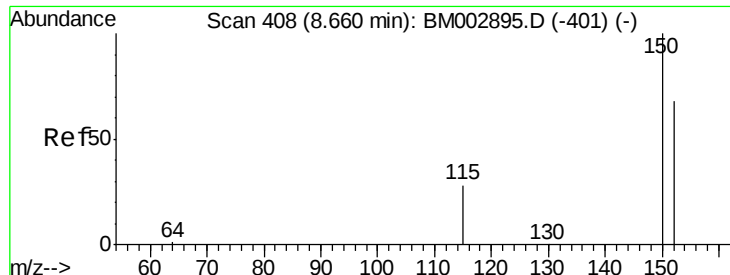
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM002896.D

Acq: 13 Oct 2015 20:59

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

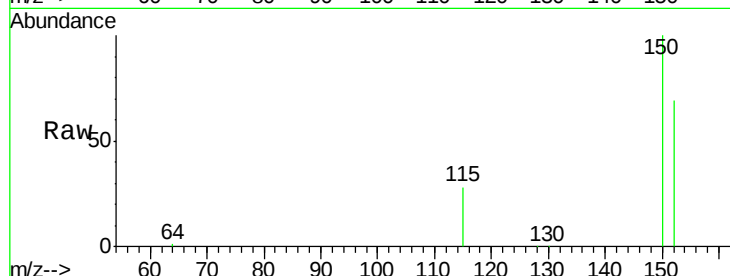
Tot Ion:152 Resp: 80044

Ion Ratio Lower Upper

152 100

150 145.9 116.3 174.5

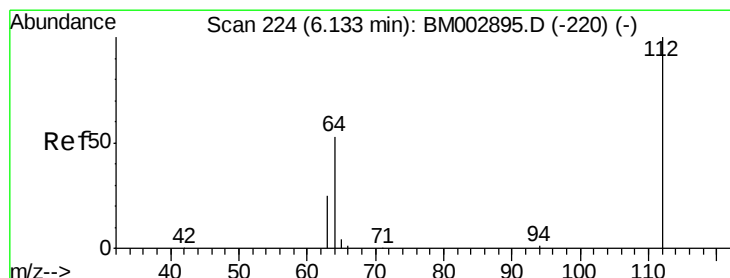
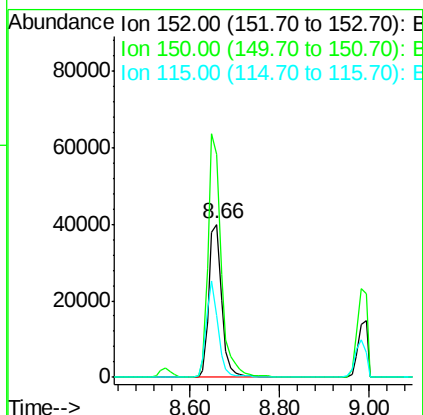
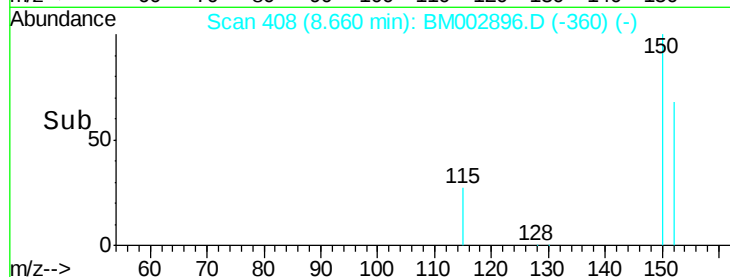
115 40.1 31.9 47.9



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: 2.25 ng

RT: 6.13 min Scan# 224

Delta R.T. 0.00 min

Lab File: BM002896.D

Acq: 13 Oct 2015 20:59

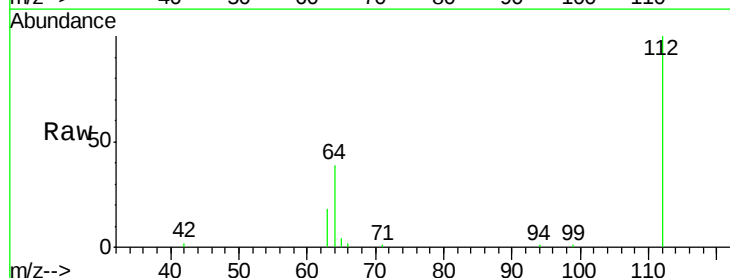
Tgt Ion:112 Resp: 30054

Ion Ratio Lower Upper

112 100

64 38.6 49.3 73.9#

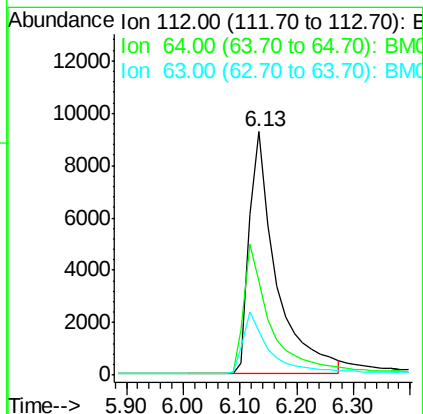
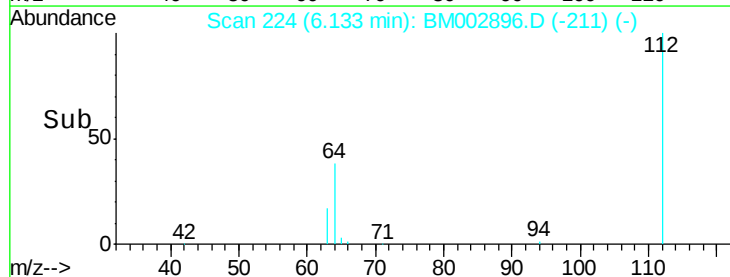
63 18.1 26.2 39.4#

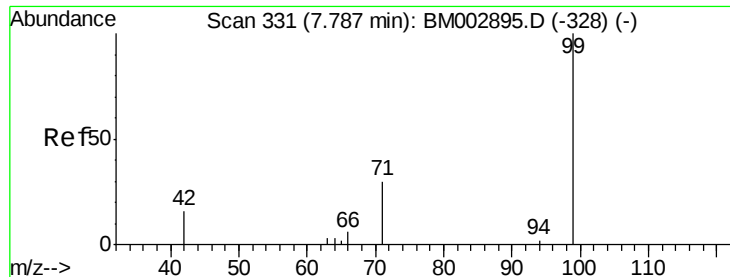


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#3

Phenol-d6

Concen: 2.29 ng

RT: 7.79 min Scan# 331

Delta R.T. 0.00 min

Lab File: BM002896.D

Acq: 13 Oct 2015 20:59

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

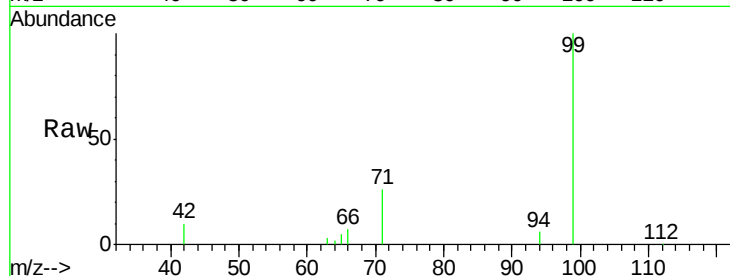
Tot Ion: 99 Resp: 41162

Ion Ratio Lower Upper

99 100

42 10.5 12.1 18.1#

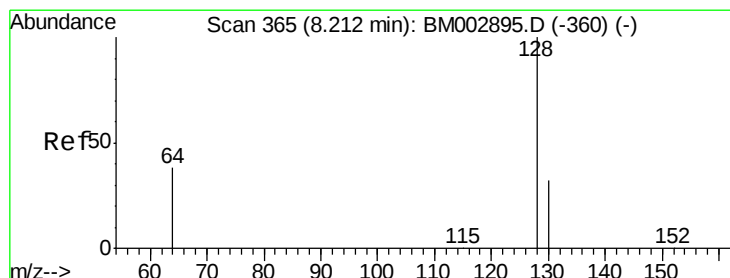
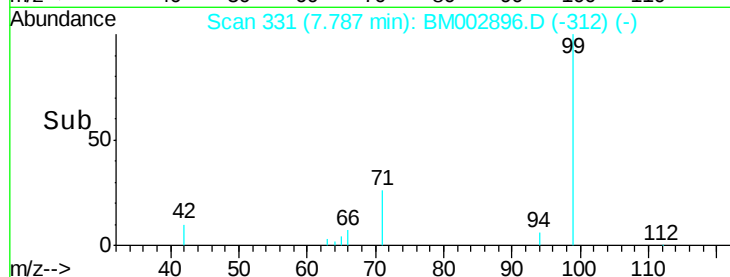
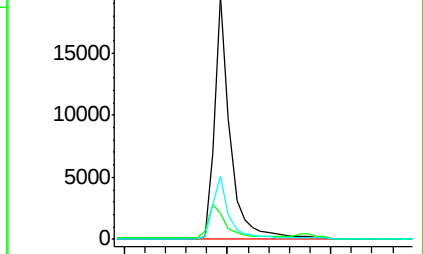
71 25.8 26.4 39.6#



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: 3.20 ng

RT: 8.21 min Scan# 365

Delta R.T. 0.00 min

Lab File: BM002896.D

Acq: 13 Oct 2015 20:59

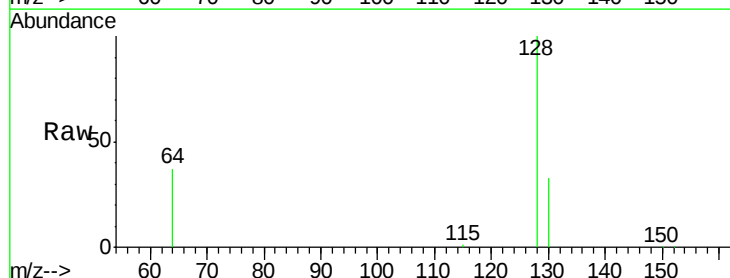
Tgt Ion: 128 Resp: 39913

Ion Ratio Lower Upper

128 100

130 33.5 22.2 62.2

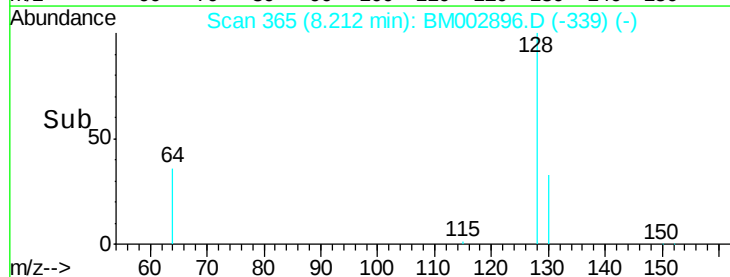
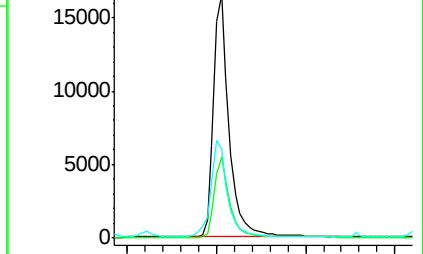
64 36.7 0.0 28.7#

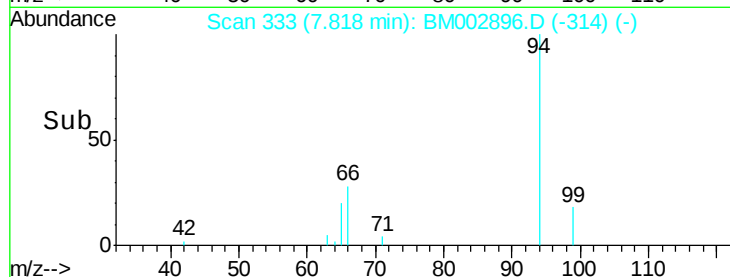
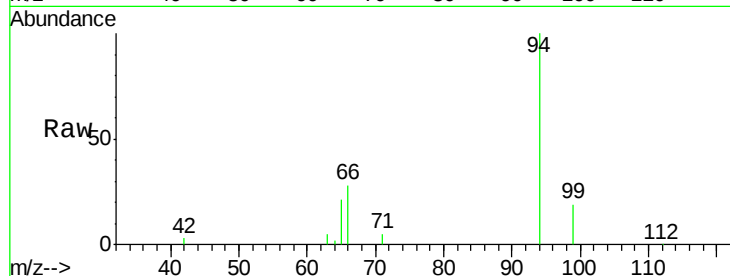
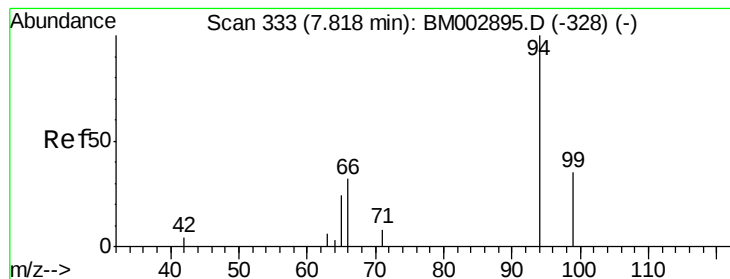


Abundance Ion 128.00 (127.70 to 128.70): BM002895.D (-360) (-)

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: 2.37 ng

RT: 7.82 min Scan# 333

Delta R.T. 0.00 min

Lab File: BM002896.D

Acq: 13 Oct 2015 20:59

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

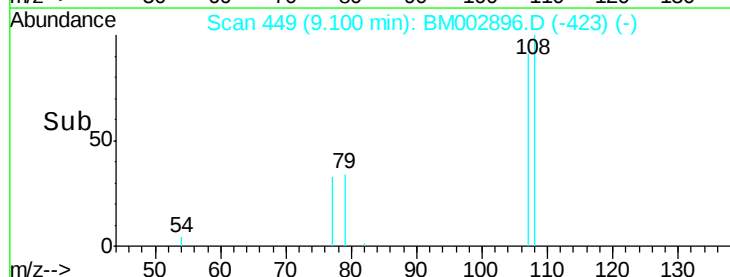
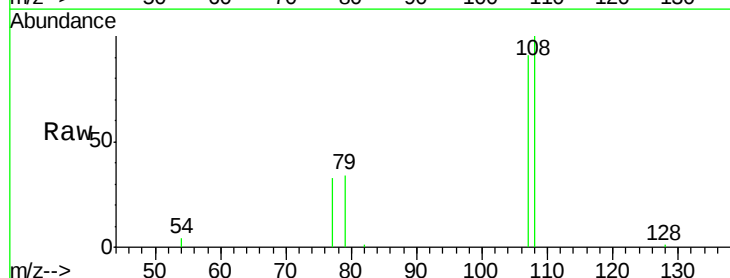
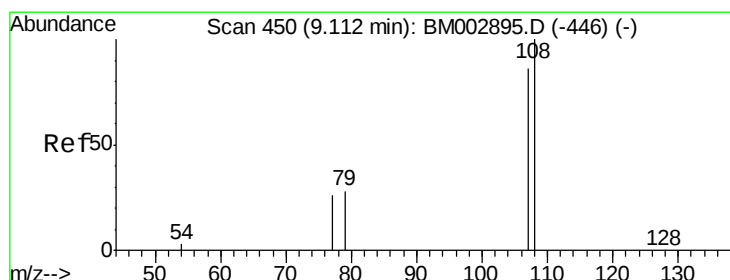
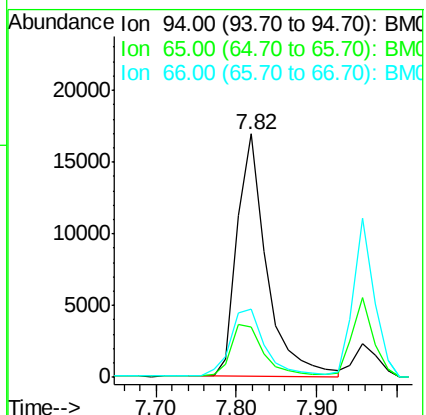
Tot Ion: 94 Resp: 43033

Ion Ratio Lower Upper

94 100

65 20.7 0.0 37.7

66 27.8 6.3 46.3



#6

2-Methylphenol

Concen: 2.88 ng

RT: 9.10 min Scan# 449

Delta R.T. -0.01 min

Lab File: BM002896.D

Acq: 13 Oct 2015 20:59

Tgt Ion: 107 Resp: 29354

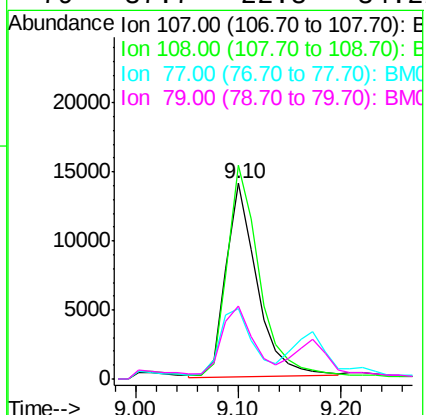
Ion Ratio Lower Upper

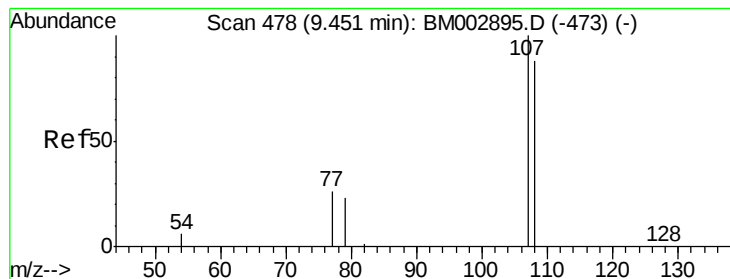
107 100

108 109.3 100.9 151.3

77 36.2 20.3 30.5#

79 37.7 22.8 34.2#





#7

3+4-Methylphenols

Concen: 3.14 ng

RT: 9.44 min Scan# 477

Delta R.T. -0.01 min

Lab File: BM002896.D

Acq: 13 Oct 2015 20:59

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

Tot Ion:107 Resp: 41269

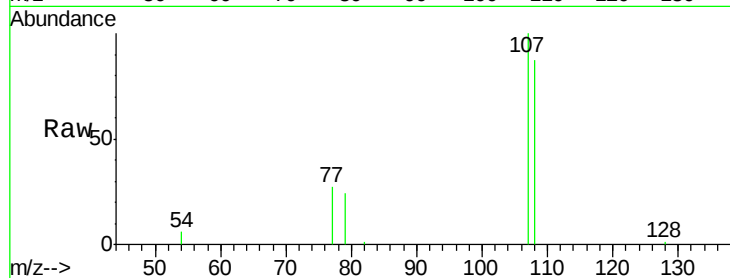
Ion Ratio Lower Upper

107 100

108 86.7 86.3 126.3

77 27.2 151.7 191.7#

79 24.3 7.4 47.4

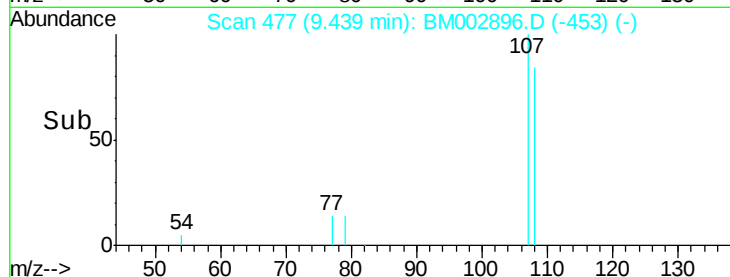


Abundance Ion 107.00 (106.70 to 107.70): E

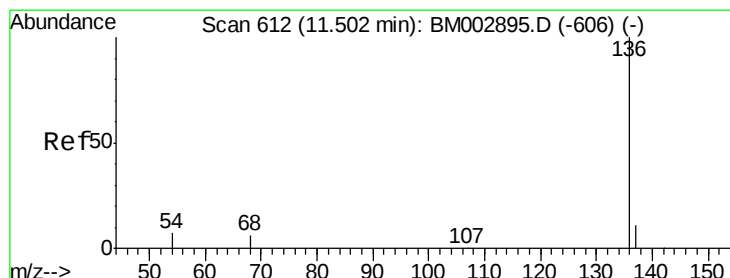
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



Time-->



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 11.50 min Scan# 612

Delta R.T. 0.00 min

Lab File: BM002896.D

Acq: 13 Oct 2015 20:59

Tgt Ion:136 Resp: 343434

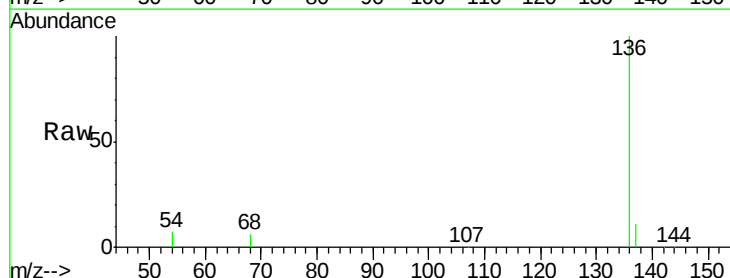
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 6.9 2.6 3.8#

68 5.9 2.2 3.2#

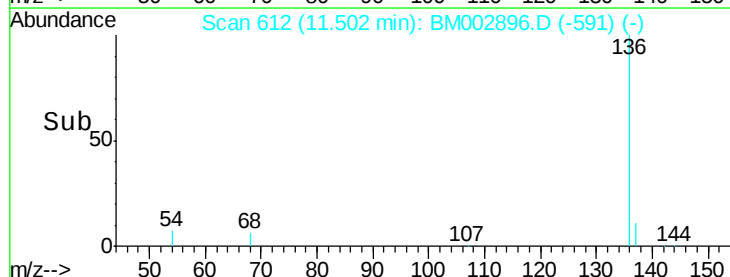


Abundance Ion 136.00 (135.70 to 136.70): E

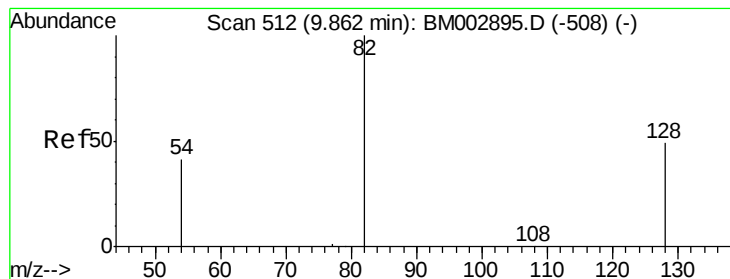
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



Time-->



#9

Nitrobenzene-d5

Concen: 1.89 ng

RT: 9.85 min Scan# 511

Delta R.T. -0.01 min

Lab File: BM002896.D

Acq: 13 Oct 2015 20:59

Instrument :

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ClientSampleId :

SSTDICC002

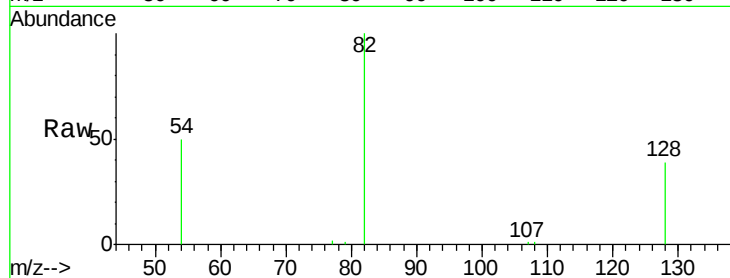
Tot Ion: 82 Resp: 36664

Ion Ratio Lower Upper

82 100

128 51.0 0.0 0.0#

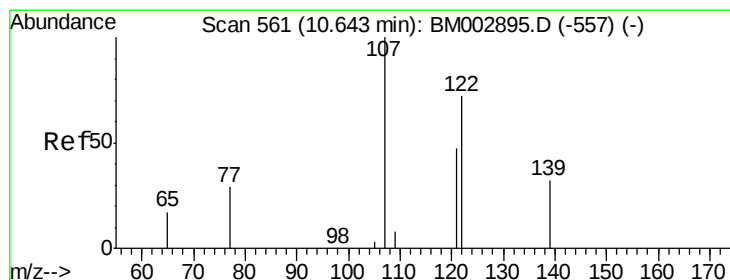
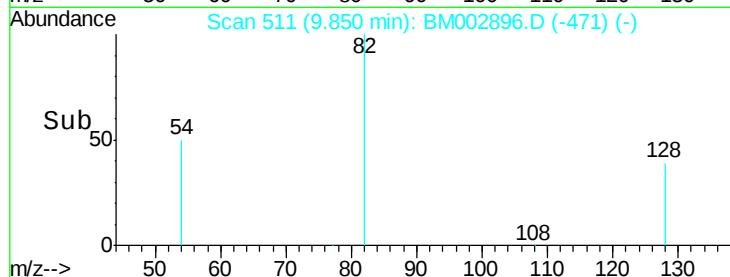
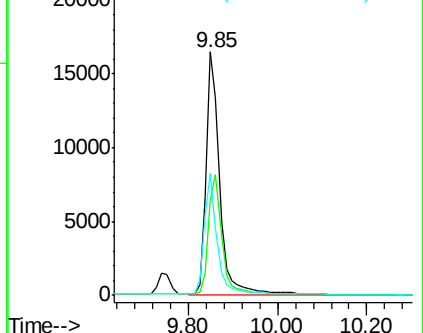
54 50.1 59.0 88.6#



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: 2.19 ng

RT: 10.62 min Scan# 560

Delta R.T. -0.02 min

Lab File: BM002896.D

Acq: 13 Oct 2015 20:59

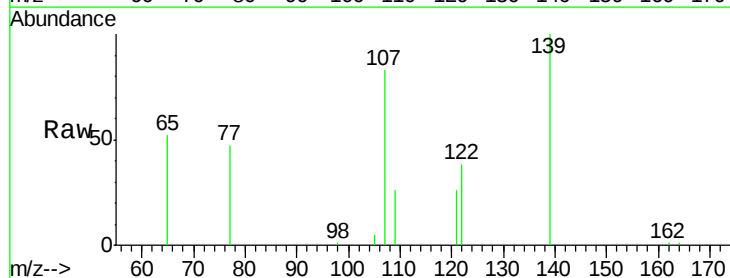
Tgt Ion: 139 Resp: 17017

Ion Ratio Lower Upper

139 100

109 26.2 19.5 29.3

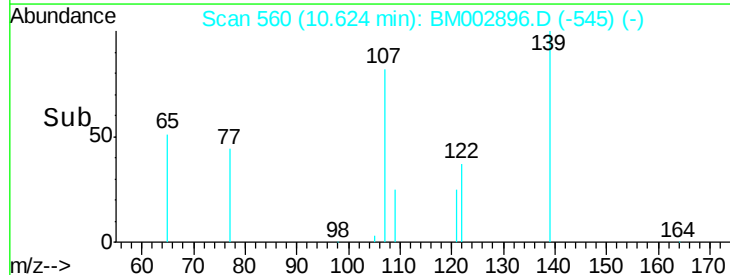
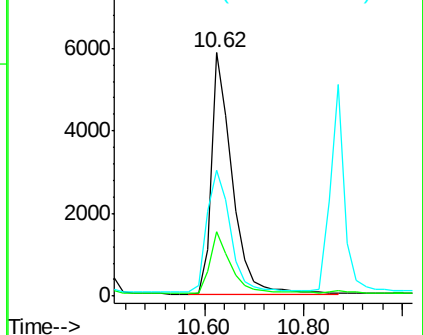
65 51.8 18.6 28.0#

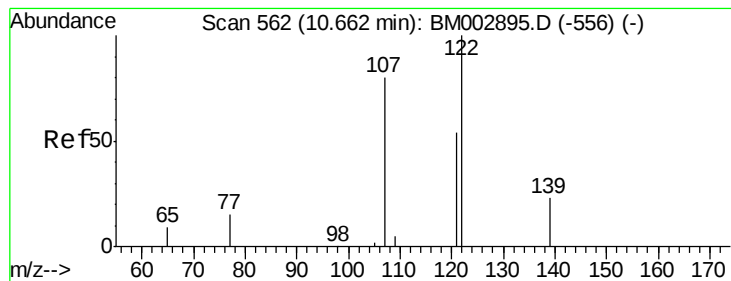


Abundance Ion 139.00 (138.70 to 139.70): BM002895.D (-557) (-)

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

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

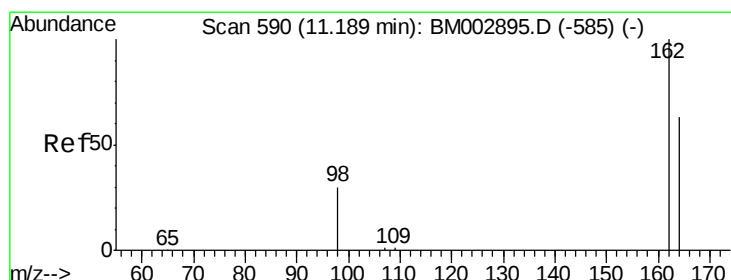
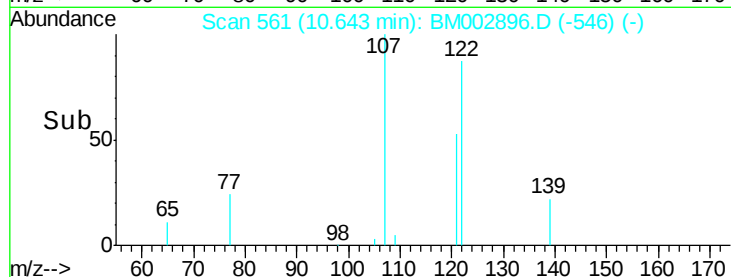
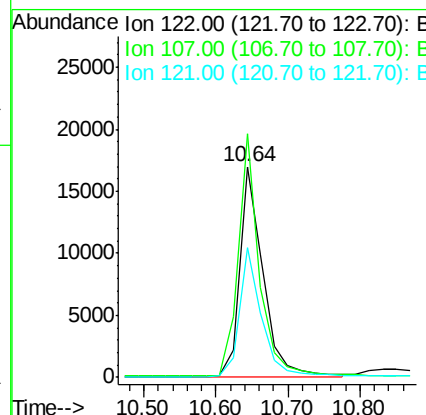
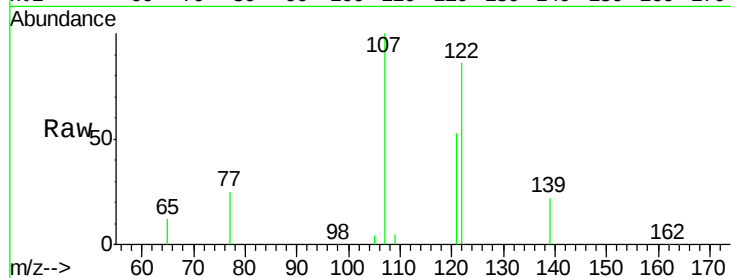




#11
2,4-Dimethylphenol
Concen: 2.25 ng
RT: 10.64 min Scan# 561
Delta R.T. -0.02 min
Lab File: BM002896.D
Acq: 13 Oct 2015 20:59

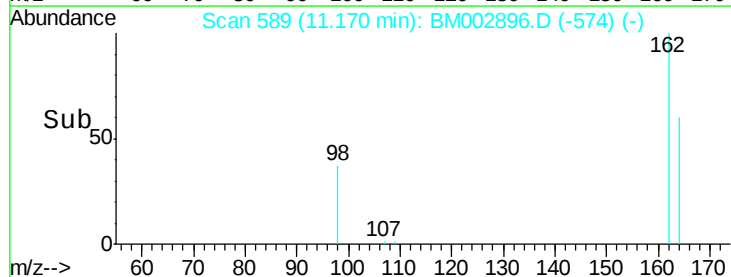
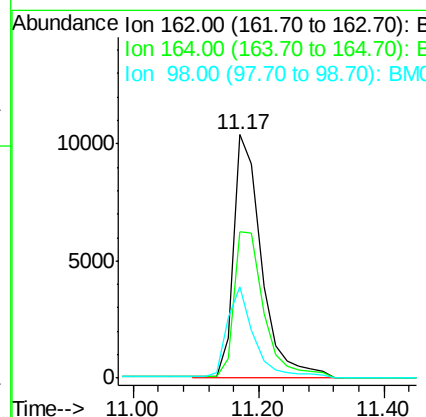
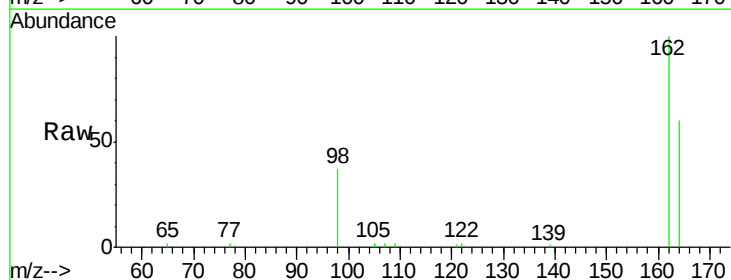
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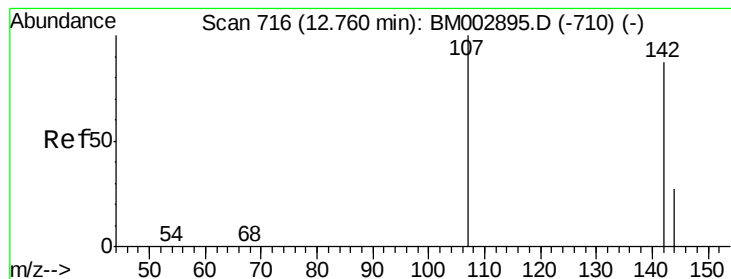
Tot Ion:122 Resp: 37876
Ion Ratio Lower Upper
122 100
107 115.7 68.6 102.8#
121 61.6 44.8 67.2



#12
2,4-Dichlorophenol
Concen: 1.89 ng
RT: 11.17 min Scan# 589
Delta R.T. -0.02 min
Lab File: BM002896.D
Acq: 13 Oct 2015 20:59

Tgt Ion:162 Resp: 31427
Ion Ratio Lower Upper
162 100
164 60.1 49.2 89.2
98 37.4 0.0 37.4#





#13

4-Chloro-3-methylphenol

Concen: 2.14 ng

RT: 12.75 min Scan# 715

Delta R.T. -0.01 min

Lab File: BM002896.D

Acq: 13 Oct 2015 20:59

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

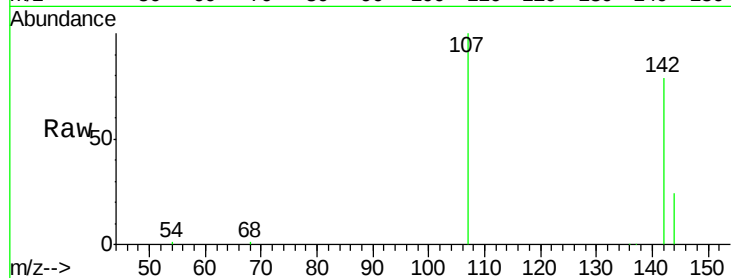
Tot Ion:107 Resp: 37919

Ion Ratio Lower Upper

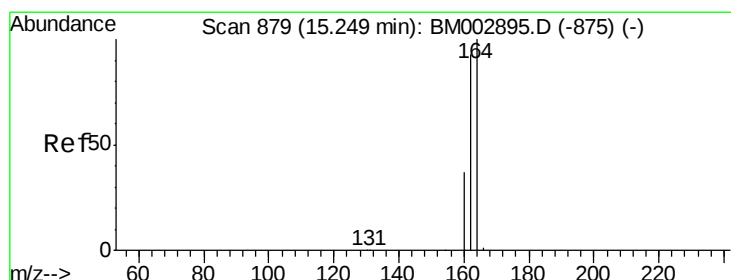
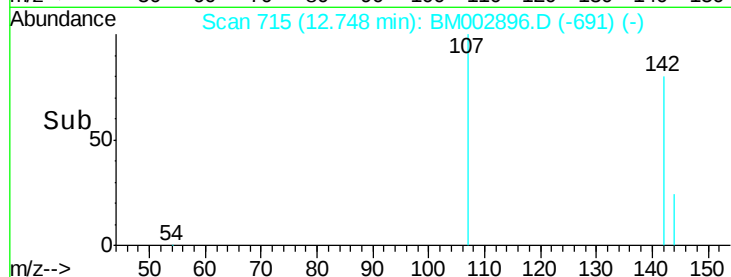
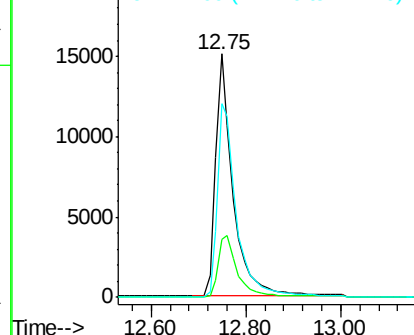
107 100

144 24.0 16.2 24.2

142 79.5 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: BM002896.D

Acq: 13 Oct 2015 20:59

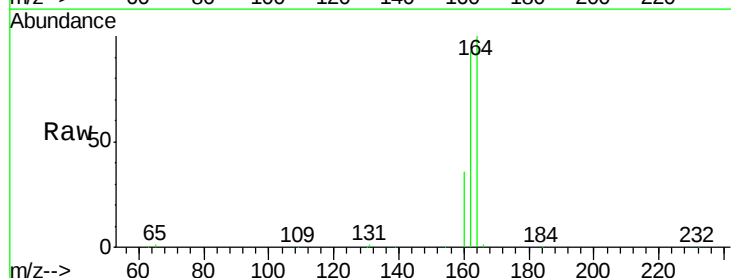
Tgt Ion:164 Resp: 187622

Ion Ratio Lower Upper

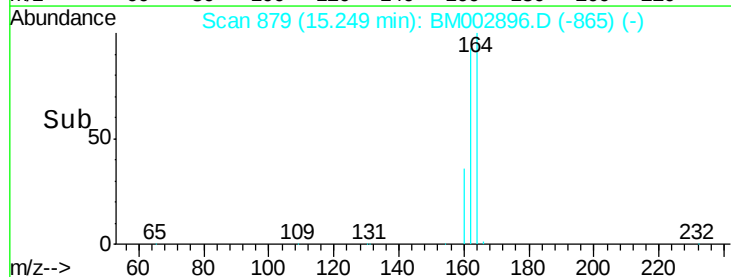
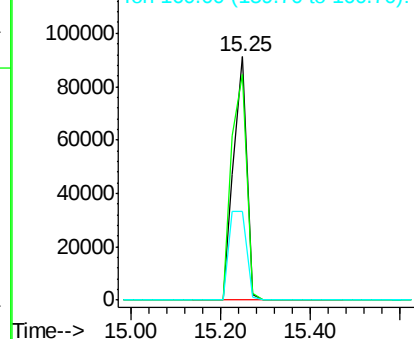
164 100

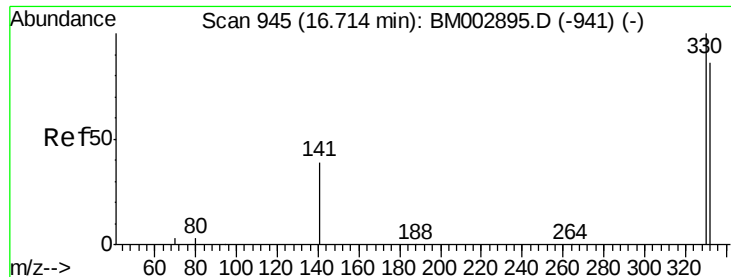
162 92.9 79.2 118.8

160 36.5 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

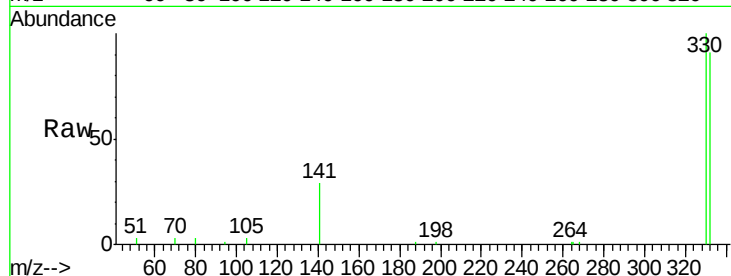




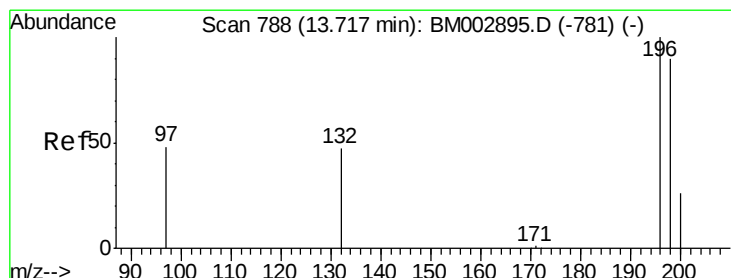
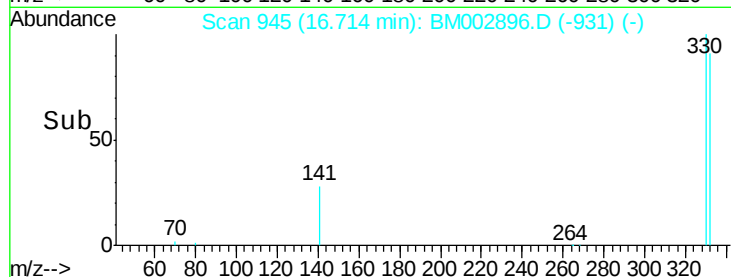
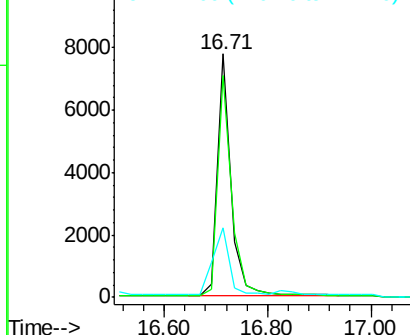
#15
 2,4,6-Tribromophenol
 Concen: 1.86 ng
 RT: 16.71 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: BM002896.D
 Acq: 13 Oct 2015 20:59

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC002

Tot Ion:330 Resp: 14249
 Ion Ratio Lower Upper
 330 100
 332 95.0 74.0 111.0
 141 33.2 24.1 36.1

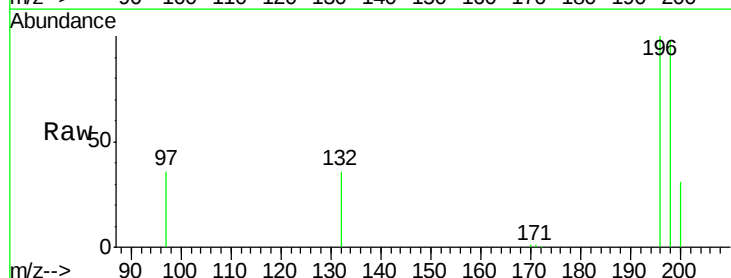


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

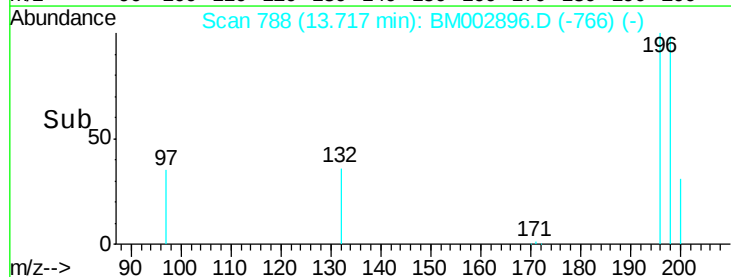
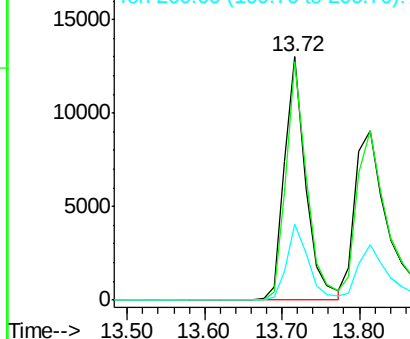


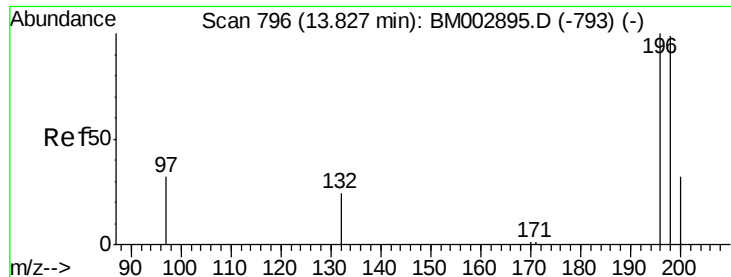
#16
 2,4,6-Trichlorophenol
 Concen: 1.82 ng
 RT: 13.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BM002896.D
 Acq: 13 Oct 2015 20:59

Tgt Ion:196 Resp: 24628
 Ion Ratio Lower Upper
 196 100
 198 97.9 54.2 81.2#
 200 31.3 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

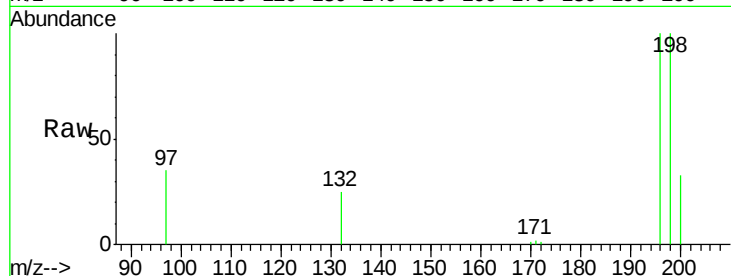




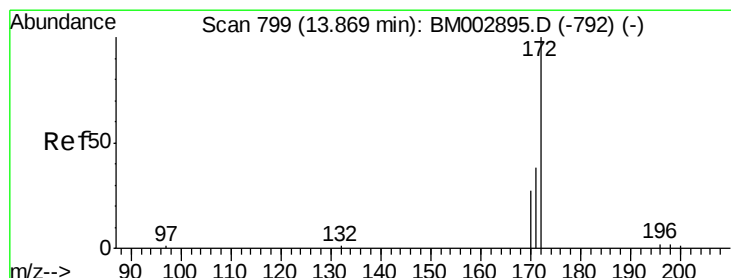
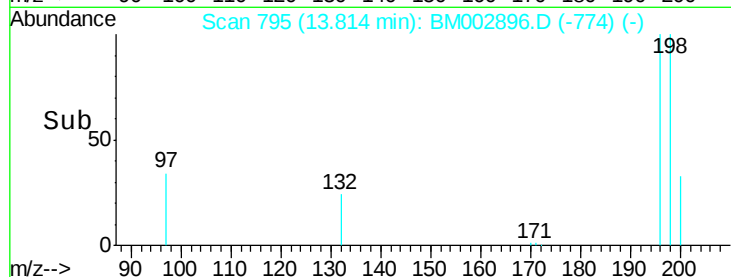
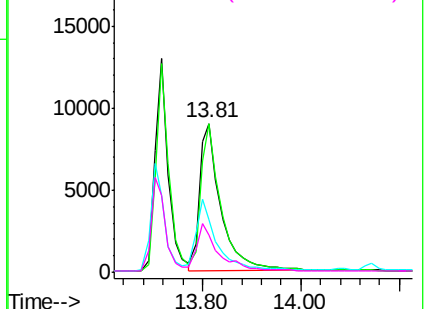
#17
2,4,5-Trichlorophenol
Concen: 1.80 ng
RT: 13.81 min Scan# 795
Delta R.T. -0.01 min
Lab File: BM002896.D
Acq: 13 Oct 2015 20:59

Instrument :
BNA_M
ClientSampleId :
SSTDIC002

Tot Ion:196 Resp: 27278
Ion Ratio Lower Upper
196 100
198 99.6 73.6 110.4
97 35.4 0.0 0.0#
132 25.0 0.0 0.0#

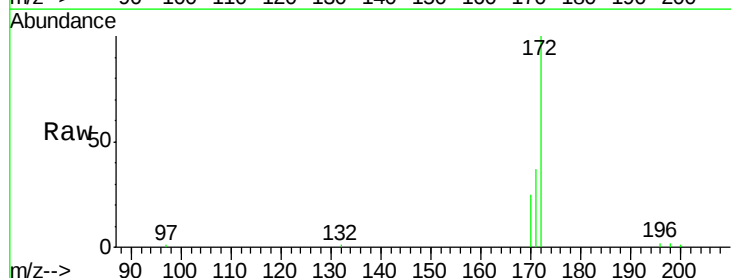


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BM
Ion 132.00 (131.70 to 132.70): E

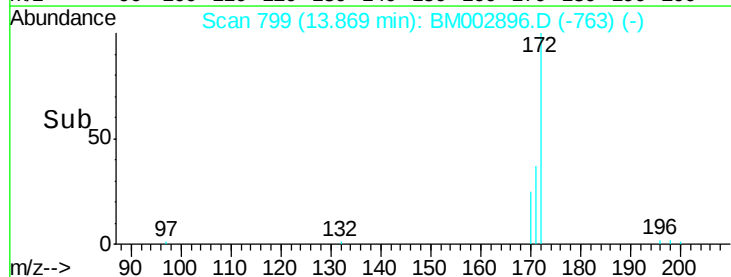
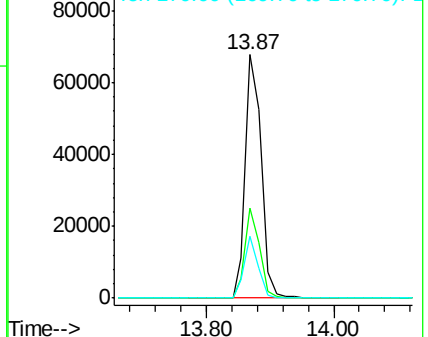


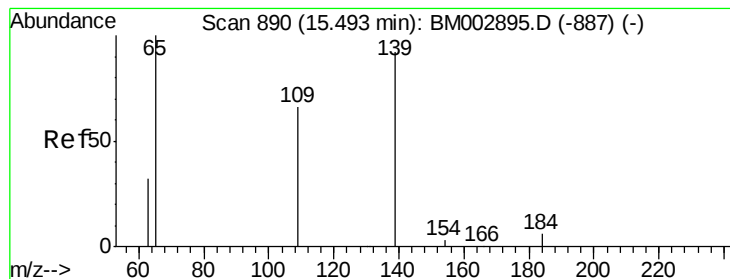
#18
2-Fluorobiphenyl
Concen: 2.00 ng
RT: 13.87 min Scan# 799
Delta R.T. 0.00 min
Lab File: BM002896.D
Acq: 13 Oct 2015 20:59

Tgt Ion:172 Resp: 116963
Ion Ratio Lower Upper
172 100
171 34.7 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: 0.58 ng

RT: 15.45 min Scan# 888

Delta R.T. -0.04 min

Lab File: BM002896.D

Acq: 13 Oct 2015 20:59

Instrument :

BNA_M

ClientSampleId :

SSTDIC002

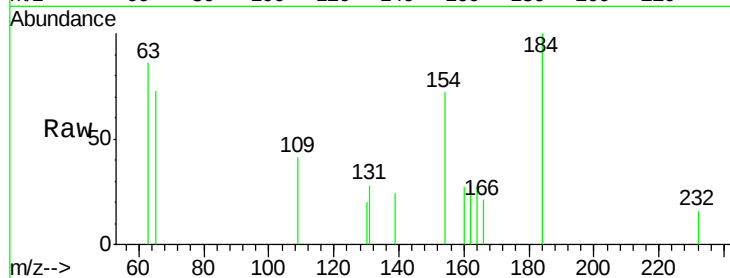
Tot Ion:184 Resp: 1675

Ion Ratio Lower Upper

184 100

63 86.0 52.0 78.0#

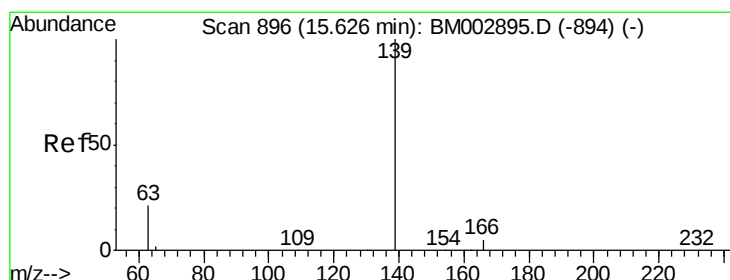
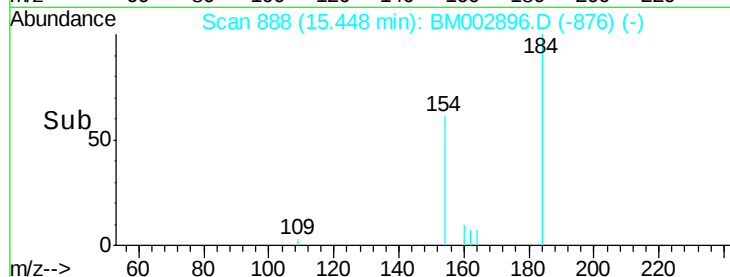
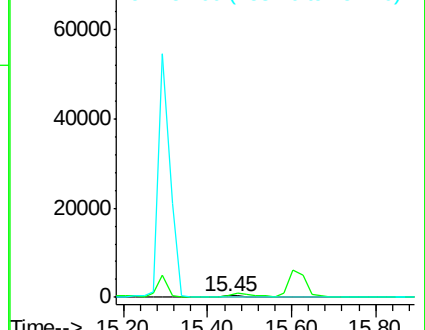
154 71.8 51.4 77.2



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: 5.91 ng

RT: 15.63 min Scan# 896

Delta R.T. 0.00 min

Lab File: BM002896.D

Acq: 13 Oct 2015 20:59

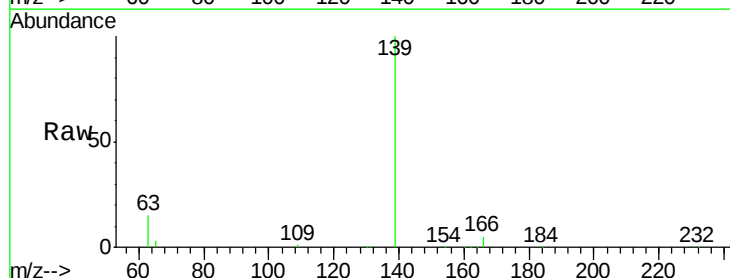
Tgt Ion:139 Resp: 60337

Ion Ratio Lower Upper

139 100

109 1.5 60.0 100.0#

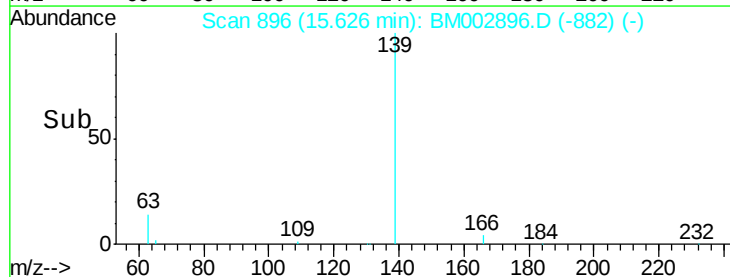
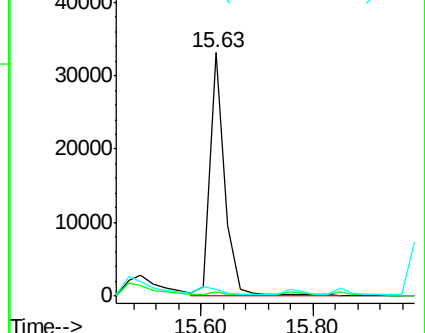
65 2.9 85.7 125.7#

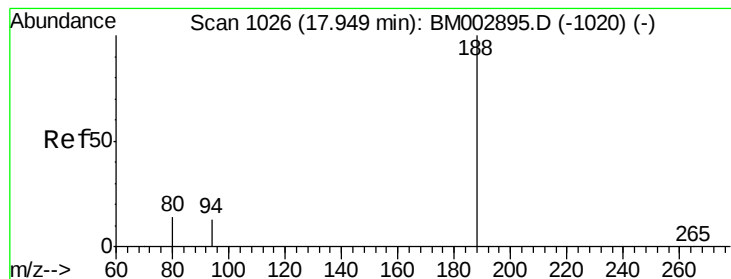


Abundance Ion 139.00 (138.70 to 139.70): E

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: BM002896.D

Acq: 13 Oct 2015 20:59

Instrument :

BNA_M

ClientSampleId :

SSTDIC002

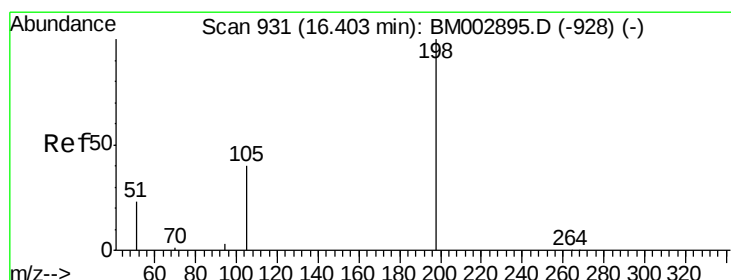
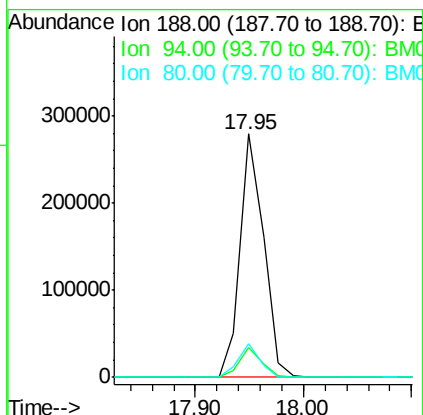
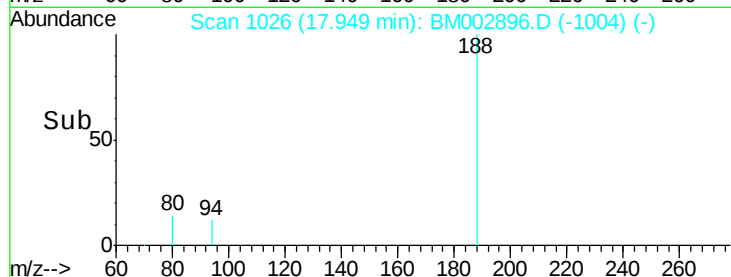
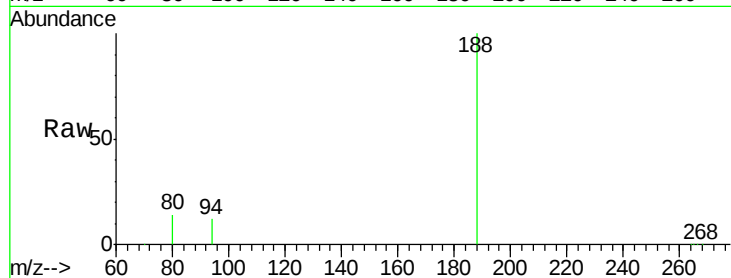
Tot Ion:188 Resp: 424144

Ion Ratio Lower Upper

188 100

94 12.5 2.9 4.3#

80 13.7 2.5 3.7#



#22

4,6-Dinitro-2-methylphenol

Concen: 0.83 ng

RT: 16.38 min Scan# 930

Delta R.T. -0.02 min

Lab File: BM002896.D

Acq: 13 Oct 2015 20:59

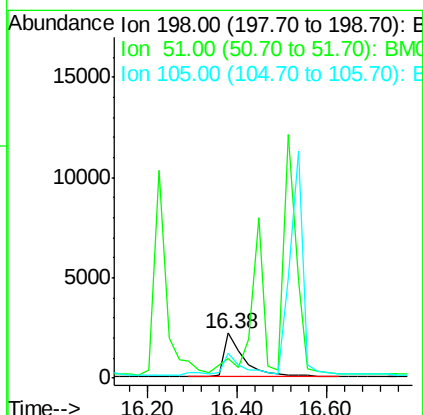
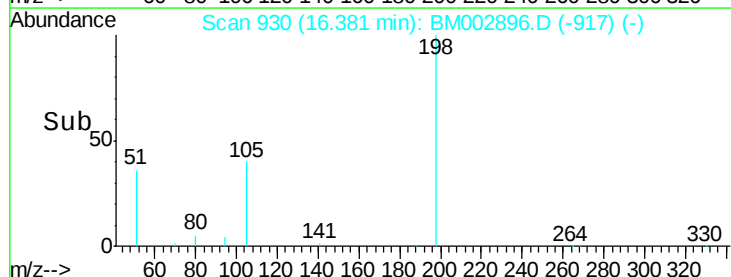
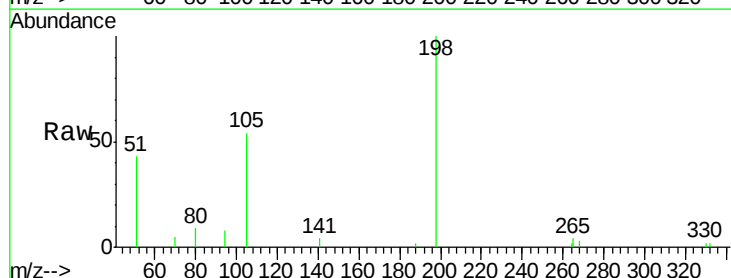
Tgt Ion:198 Resp: 6837

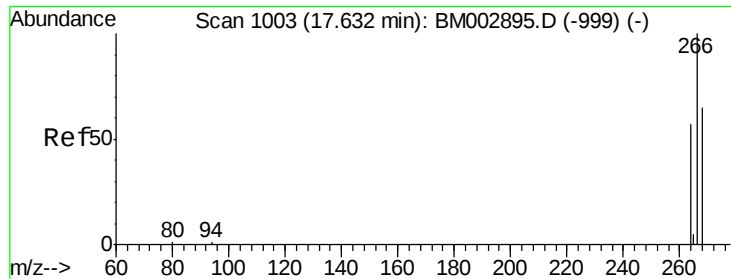
Ion Ratio Lower Upper

198 100

51 43.3 60.8 100.8#

105 53.6 30.0 70.0

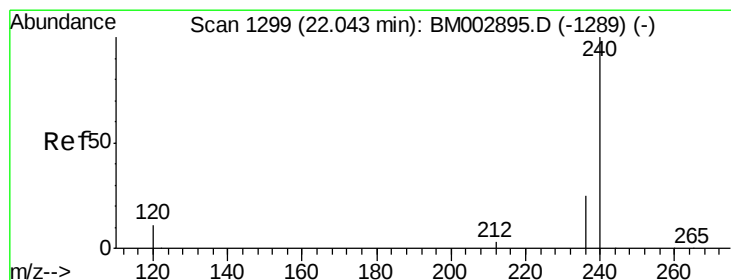
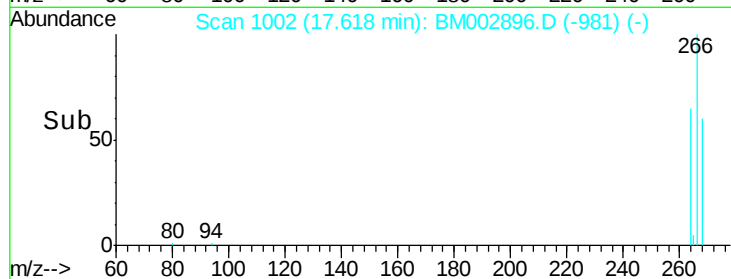
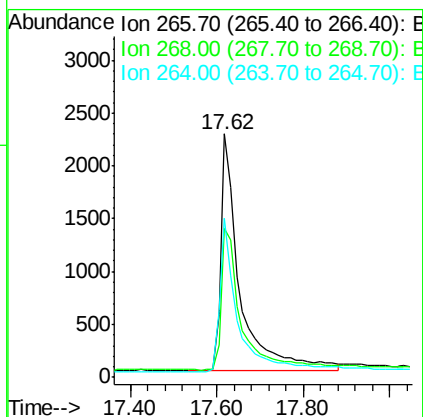
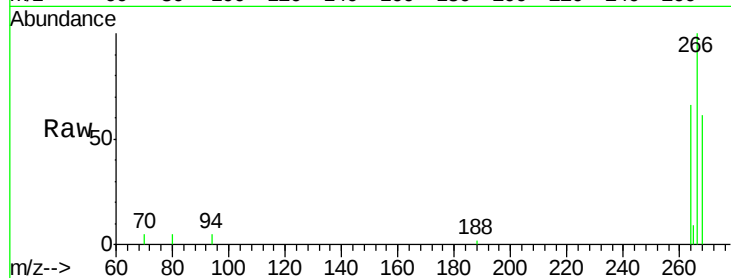




#23
 Pentachlorophenol
 Concen: 0.96 ng
 RT: 17.62 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BM002896.D
 Acq: 13 Oct 2015 20:59

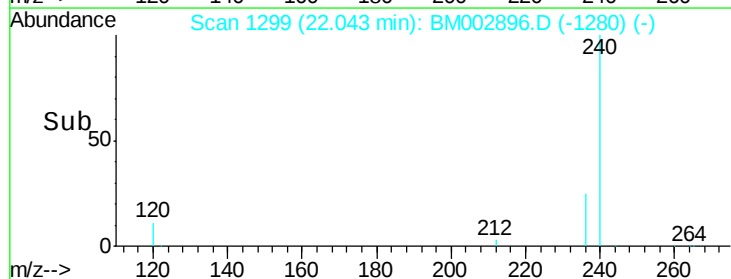
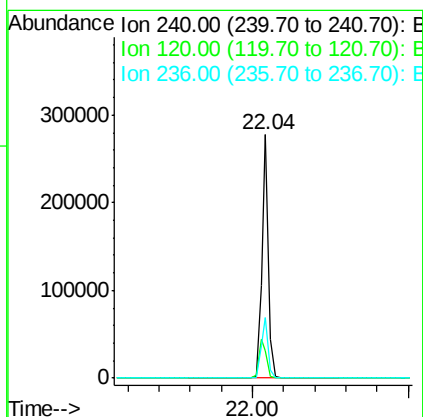
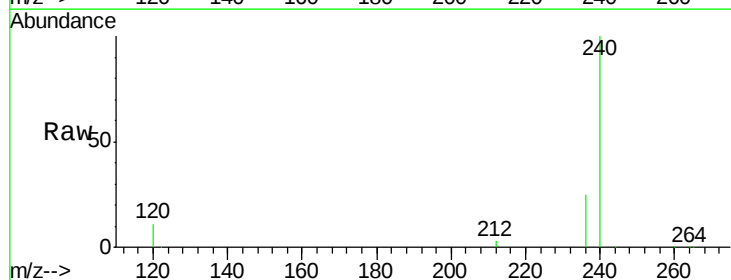
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC002

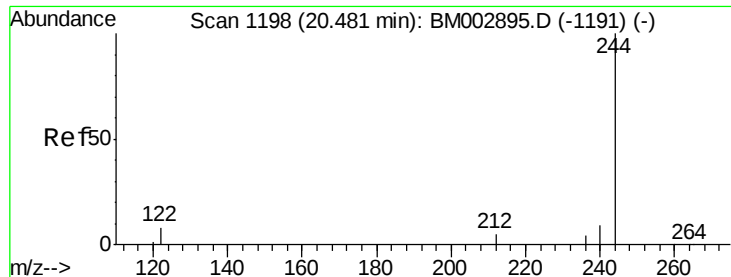
Tot Ion:266 Resp: 6825
 Ion Ratio Lower Upper
 266 100
 268 61.0 62.6 94.0#
 264 65.6 47.9 71.9



#24
 Chrysene-d12
 Concen: 5.00 ng
 RT: 22.04 min Scan# 1299
 Delta R.T. 0.00 min
 Lab File: BM002896.D
 Acq: 13 Oct 2015 20:59

Tgt Ion:240 Resp: 403790
 Ion Ratio Lower Upper
 240 100
 120 11.2 10.4 15.6
 236 24.9 22.0 33.0





#25

Terphenyl-d14

Concen: 2.18 ng

RT: 20.48 min Scan# 1198

Delta R.T. 0.00 min

Lab File: BM002896.D

Acq: 13 Oct 2015 20:59

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

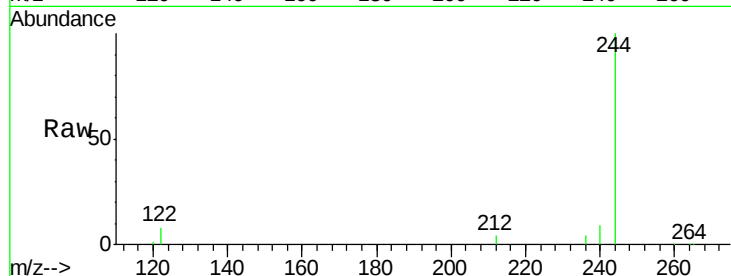
Tot Ion:244 Resp: 117273

Ion Ratio Lower Upper

244 100

212 8.1 7.3 10.9

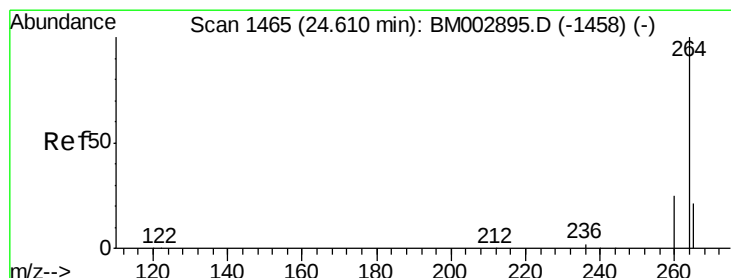
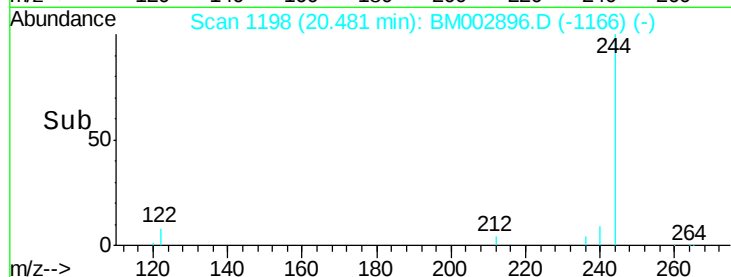
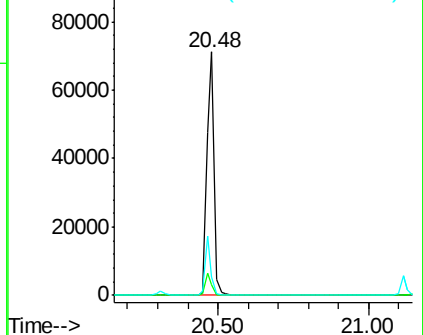
122 19.4 14.8 22.2



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: BM002896.D

Acq: 13 Oct 2015 20:59

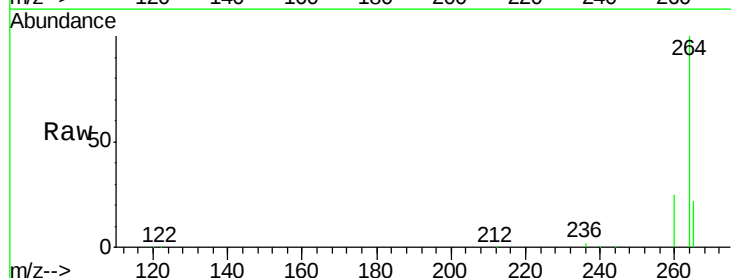
Tgt Ion:264 Resp: 380723

Ion Ratio Lower Upper

264 100

260 25.0 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

