

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101315\
 Data File : BM002897.D
 Acq On : 13 Oct 2015 21:35
 Operator : UM/IZ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

Quant Time: Oct 14 18:07:40 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 17:20:35 2015
 Response via : Initial Calibration

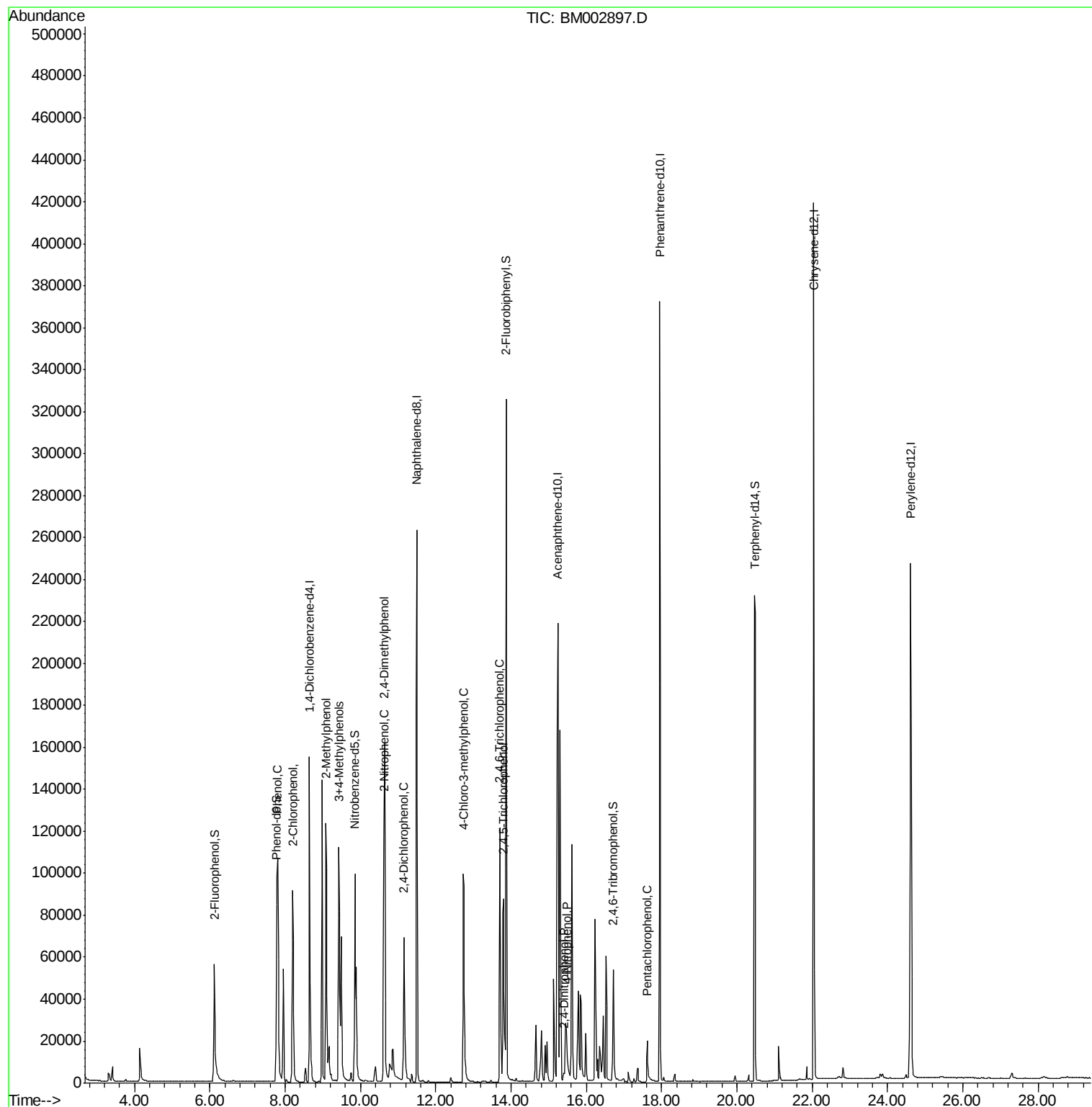
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.65	152	88582	5.00	ng	-0.01
8) Naphthalene-d8	11.50	136	380584	5.00	ng	0.00
14) Acenaphthene-d10	15.25	164	200693	5.00	ng	0.00
21) Phenanthrene-d10	17.95	188	442781	5.00	ng	0.00
24) Chrysene-d12	22.04	240	423849	5.00	ng	0.00
26) Perylene-d12	24.61	264	390241	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	6.12	112	86587	5.44	ng	-0.02
3) Phenol-d6	7.77	99	116408	4.78	ng	-0.02
9) Nitrobenzene-d5	9.85	82	102048	4.29	ng	-0.01
15) 2,4,6-Tribromophenol	16.71	330	41585	5.67	ng	0.00
18) 2-Fluorobiphenyl	13.87	172	309319	4.71	ng	0.00
25) Terphenyl-d14	20.48	244	306638	4.76	ng	0.00
Target Compounds						
4) 2-Chlorophenol	8.20	128	112297	4.98	ng	# 72
5) Phenol	7.80	94	122972	4.76	ng	90
6) 2-Methylphenol	9.09	107	86638	4.73	ng	# 79
7) 3+4-Methylphenols	9.43	107	119374	5.27	ng	# 34
10) 2-Nitrophenol	10.62	139	51257	5.35	ng	# 77
11) 2,4-Dimethylphenol	10.64	122	109197	5.20	ng	97
12) 2,4-Dichlorophenol	11.15	162	93390	5.71	ng	# 77
13) 4-Chloro-3-methylphenol	12.74	107	109859	5.31	ng	91
16) 2,4,6-Trichlorophenol	13.70	196	72170	5.52	ng	# 81
17) 2,4,5-Trichlorophenol	13.80	196	79123	5.67	ng	# 90
19) 2,4-Dinitrophenol	15.40	184	8664	8.41	ng	# 90
20) 4-Nitrophenol	15.47	139	37035	1.09	ng	# 58
23) Pentachlorophenol	17.62	266	21399	6.37	ng	89

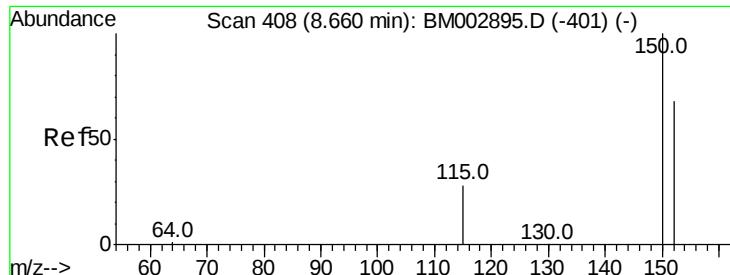
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.65 min Scan# 407

Delta R.T. -0.01 min

Lab File: BM002897.D

Acq: 13 Oct 2015 21:35

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

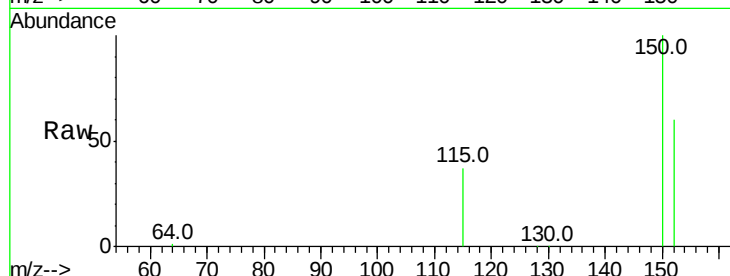
Tot Ion:152 Resp: 88582

Ion Ratio Lower Upper

152 100

150 165.3 116.3 174.5

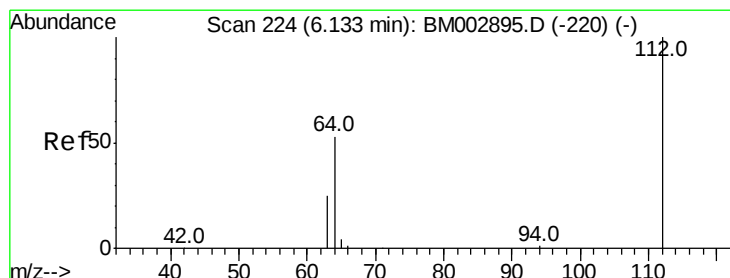
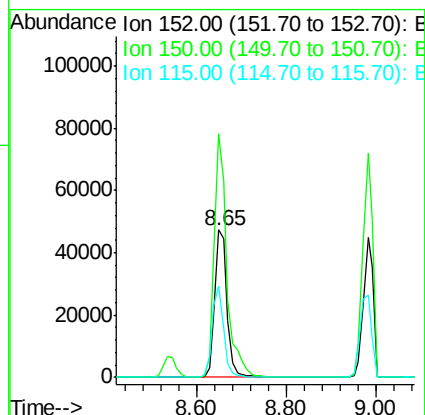
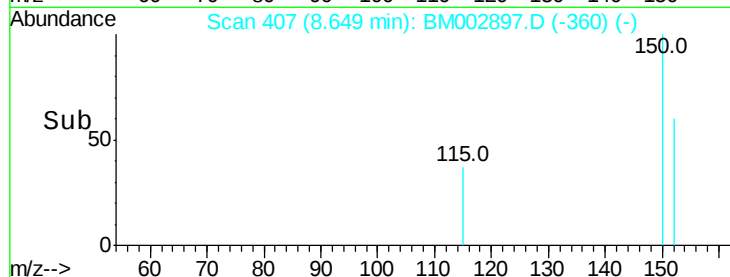
115 61.9 31.9 47.9#



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: 5.44 ng

RT: 6.12 min Scan# 223

Delta R.T. -0.02 min

Lab File: BM002897.D

Acq: 13 Oct 2015 21:35

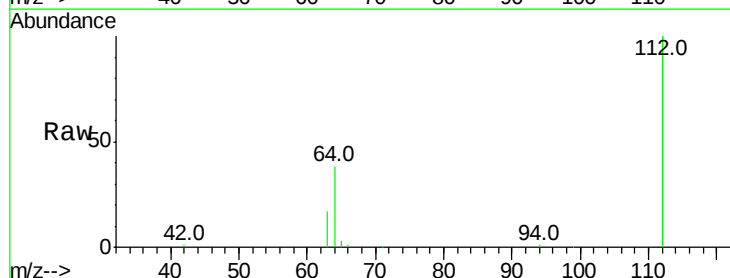
Tgt Ion:112 Resp: 86587

Ion Ratio Lower Upper

112 100

64 37.8 49.3 73.9#

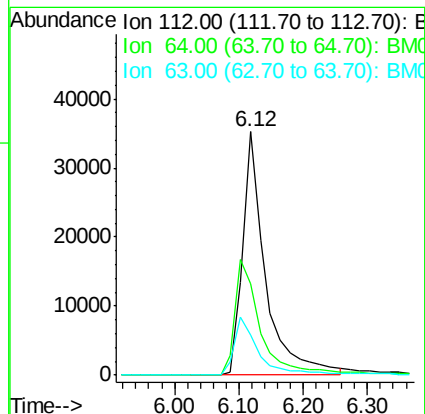
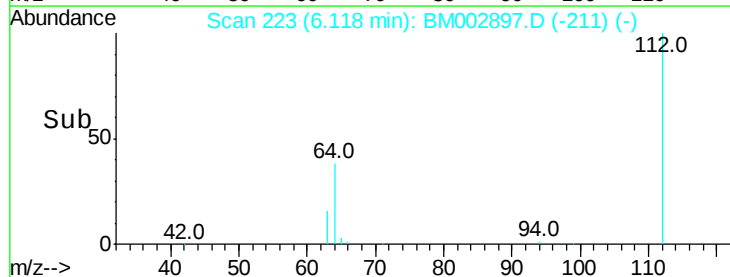
63 16.5 26.2 39.4#

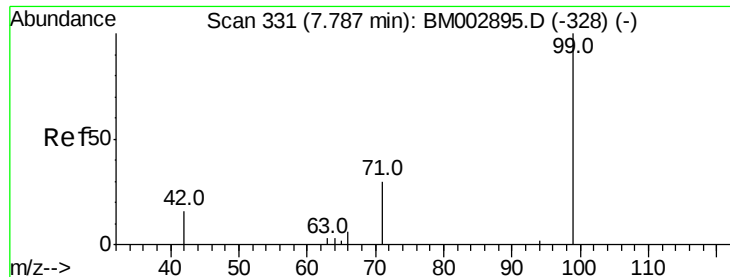


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#3

Phenol-d6

Concen: 4.78 ng

RT: 7.77 min Scan# 330

Delta R.T. -0.02 min

Lab File: BM002897.D

Acq: 13 Oct 2015 21:35

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

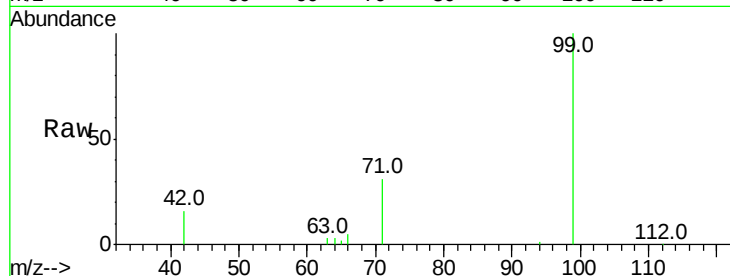
Tot Ion: 99 Resp: 116408

Ion Ratio Lower Upper

99 100

42 16.5 12.1 18.1

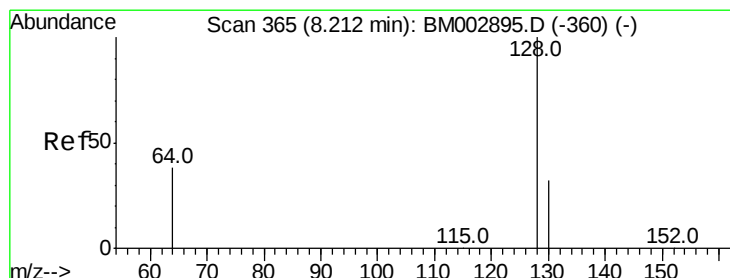
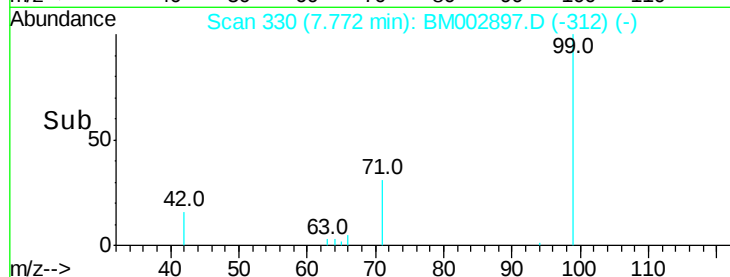
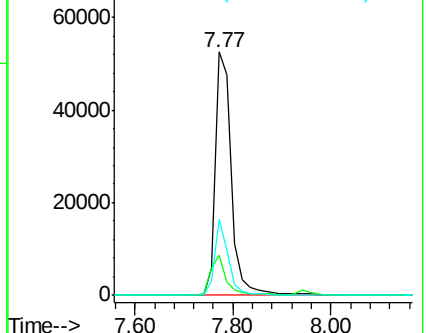
71 31.0 26.4 39.6



Abundance Ion 99.00 (98.70 to 99.70): BM002897.D (-331) (-)

Ion 42.00 (41.70 to 42.70): BM002897.D (-331) (-)

Ion 71.00 (70.70 to 71.70): BM002897.D (-331) (-)



#4

2-Chlorophenol

Concen: 4.98 ng

RT: 8.20 min Scan# 364

Delta R.T. -0.01 min

Lab File: BM002897.D

Acq: 13 Oct 2015 21:35

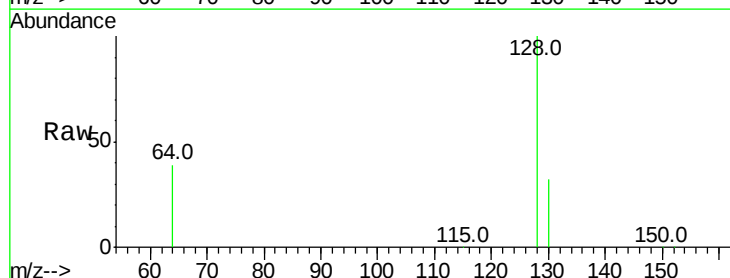
Tgt Ion: 128 Resp: 112297

Ion Ratio Lower Upper

128 100

130 31.8 22.2 62.2

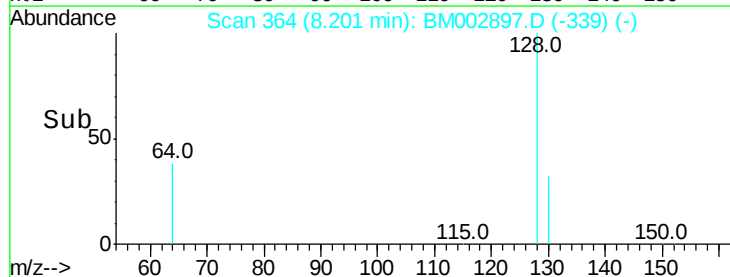
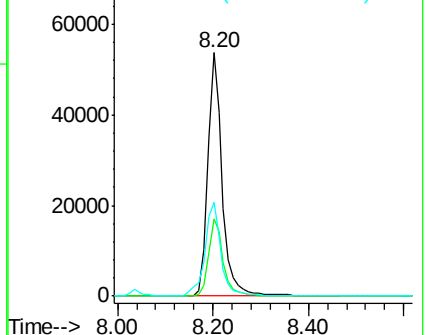
64 38.6 0.0 28.7#

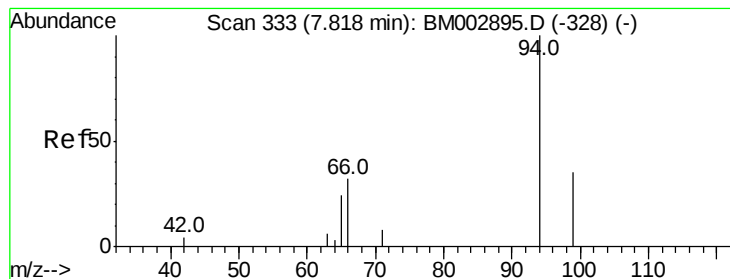


Abundance Ion 128.00 (127.70 to 128.70): BM002897.D (-339) (-)

Ion 130.00 (129.70 to 130.70): BM002897.D (-339) (-)

Ion 64.00 (63.70 to 64.70): BM002897.D (-339) (-)





#5

Phenol

Concen: 4.76 ng

RT: 7.80 min Scan# 332

Delta R.T. -0.02 min

Lab File: BM002897.D

Acq: 13 Oct 2015 21:35

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

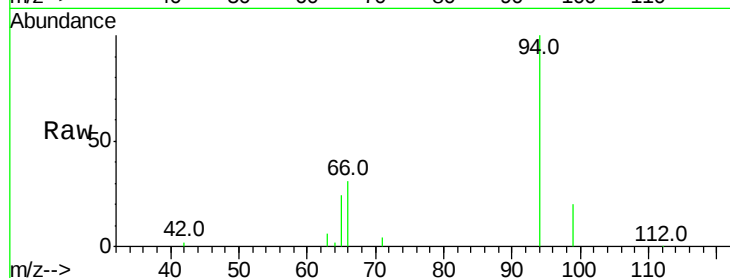
Tot Ion: 94 Resp: 122972

Ion Ratio Lower Upper

94 100

65 23.5 0.0 37.7

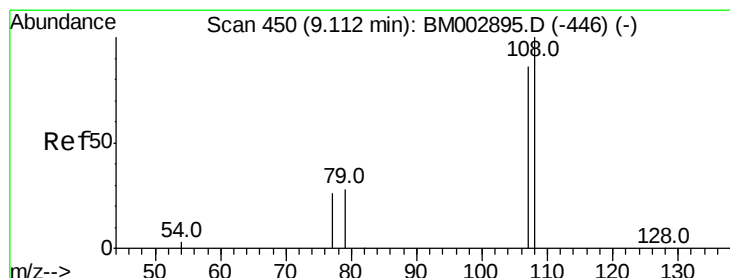
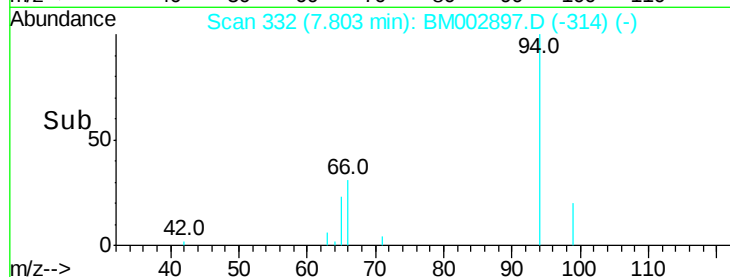
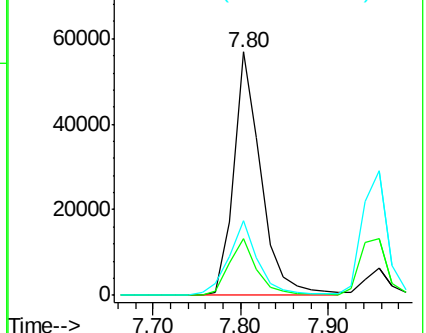
66 30.7 6.3 46.3



Abundance Ion 94.00 (93.70 to 94.70): BM002897.D (-328) (-)

Ion 65.00 (64.70 to 65.70): BM002897.D (-328) (-)

Ion 66.00 (65.70 to 66.70): BM002897.D (-328) (-)



#6

2-Methylphenol

Concen: 4.73 ng

RT: 9.09 min Scan# 448

Delta R.T. -0.02 min

Lab File: BM002897.D

Acq: 13 Oct 2015 21:35

Tgt Ion: 107 Resp: 86638

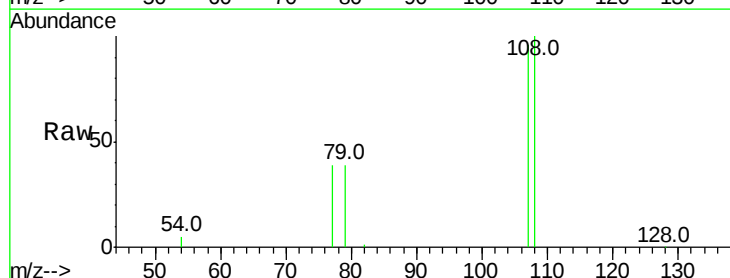
Ion Ratio Lower Upper

107 100

108 104.4 100.9 151.3

77 40.5 20.3 30.5#

79 40.3 22.8 34.2#

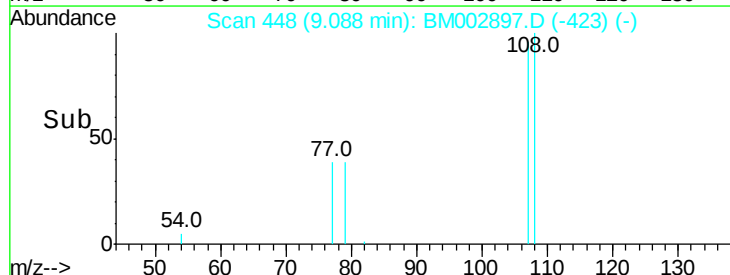
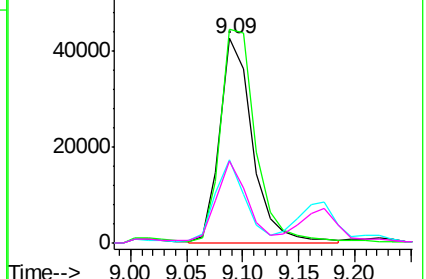


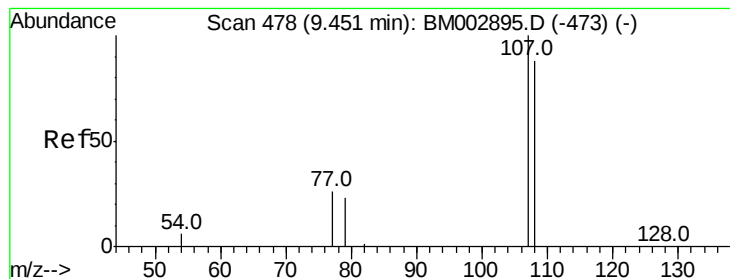
Abundance Ion 107.00 (106.70 to 107.70): BM002897.D (-446) (-)

Ion 108.00 (107.70 to 108.70): BM002897.D (-446) (-)

Ion 77.00 (76.70 to 77.70): BM002897.D (-446) (-)

Ion 79.00 (78.70 to 79.70): BM002897.D (-446) (-)





#7

3+4-Methylphenols

Concen: 5.27 ng

RT: 9.43 min Scan# 476

Delta R.T. -0.02 min

Lab File: BM002897.D

Acq: 13 Oct 2015 21:35

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

Tot Ion:107 Resp: 119374

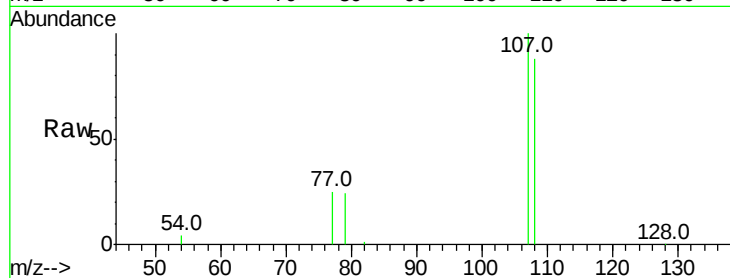
Ion Ratio Lower Upper

107 100

108 88.0 86.3 126.3

77 25.4 151.7 191.7#

79 23.5 7.4 47.4

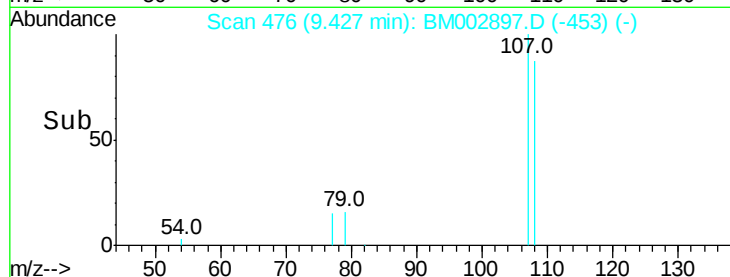


Abundance Ion 107.00 (106.70 to 107.70): E

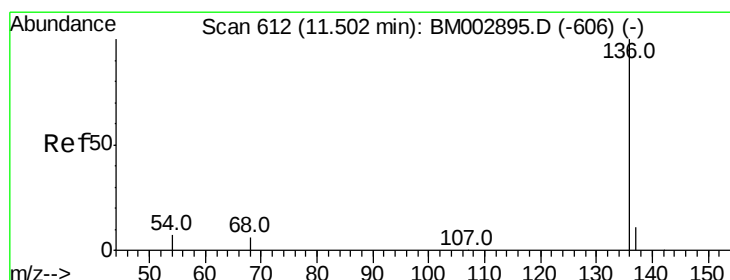
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): 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: BM002897.D

Acq: 13 Oct 2015 21:35

Tgt Ion:136 Resp: 380584

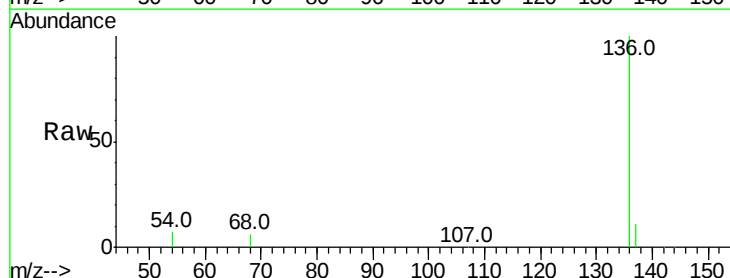
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.6 2.6 3.8#

68 5.8 2.2 3.2#

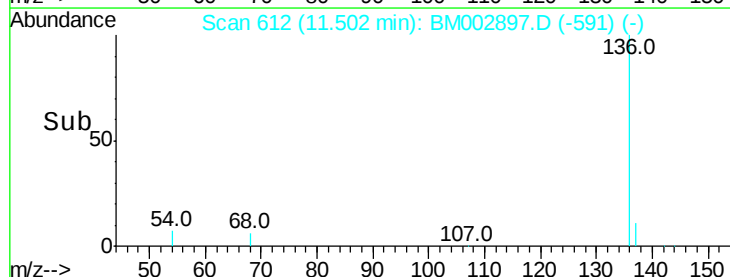


Abundance Ion 136.00 (135.70 to 136.70): E

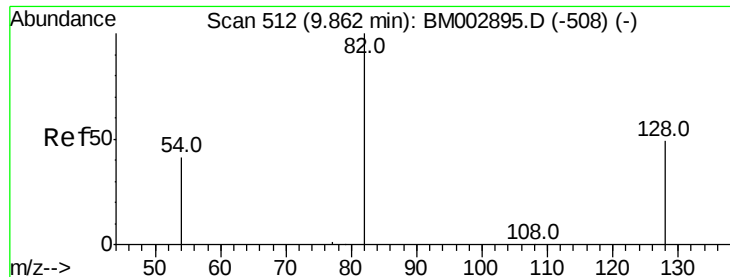
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



Time-->



#9

Nitrobenzene-d5

Concen: 4.29 ng

RT: 9.85 min Scan# 511

Delta R.T. -0.01 min

Lab File: BM002897.D

Acq: 13 Oct 2015 21:35

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

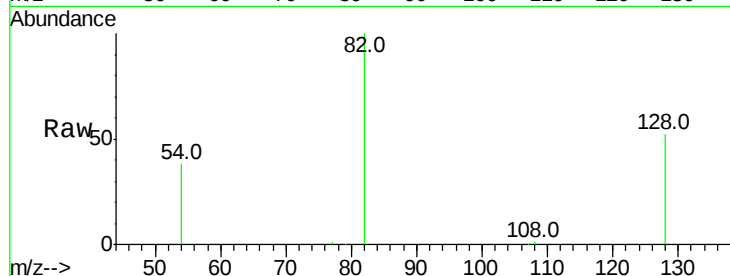
Tot Ion: 82 Resp: 102048

Ion Ratio Lower Upper

82 100

128 51.3 0.0 0.0#

54 48.4 59.0 88.6#

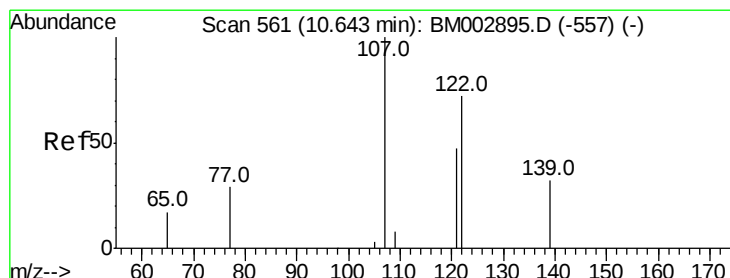
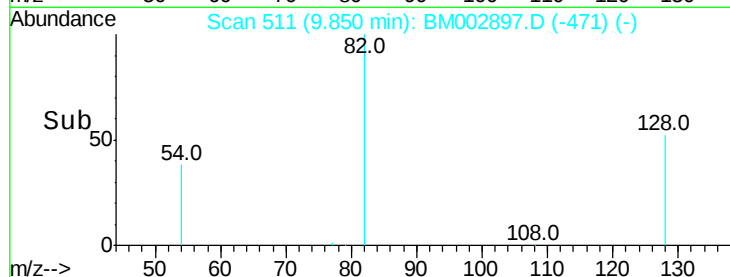


Abundance Ion 82.00 (81.70 to 82.70): BM002897.D (-508) (-)

Ion 128.00 (127.70 to 128.70): BM002897.D (-508) (-)

Ion 54.00 (53.70 to 54.70): BM002897.D (-508) (-)

Time-->



#10

2-Nitrophenol

Concen: 5.35 ng

RT: 10.62 min Scan# 560

Delta R.T. -0.02 min

Lab File: BM002897.D

Acq: 13 Oct 2015 21:35

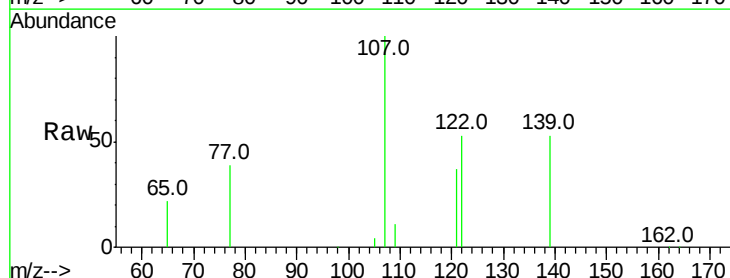
Tgt Ion: 139 Resp: 51257

Ion Ratio Lower Upper

139 100

109 20.7 19.5 29.3

65 42.0 18.6 28.0#

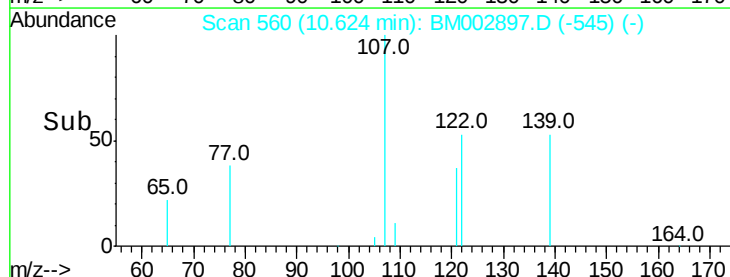


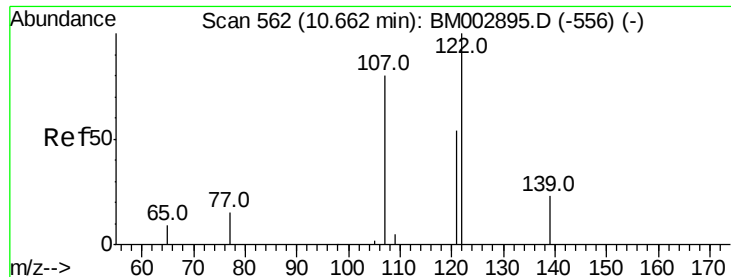
Abundance Ion 139.00 (138.70 to 139.70): BM002897.D (-557) (-)

Ion 109.00 (108.70 to 109.70): BM002897.D (-557) (-)

Ion 65.00 (64.70 to 65.70): BM002897.D (-557) (-)

Time-->

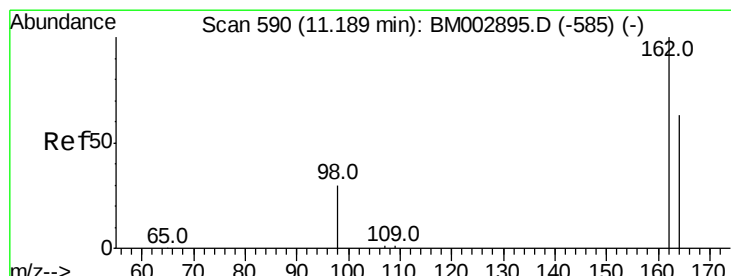
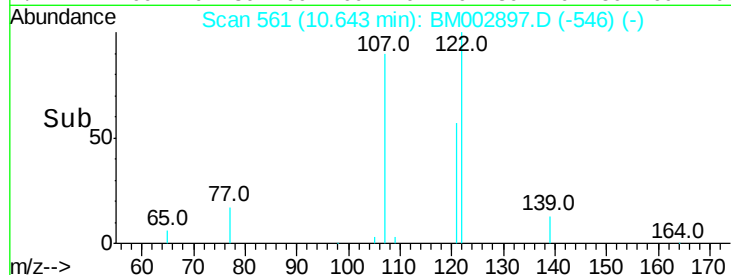
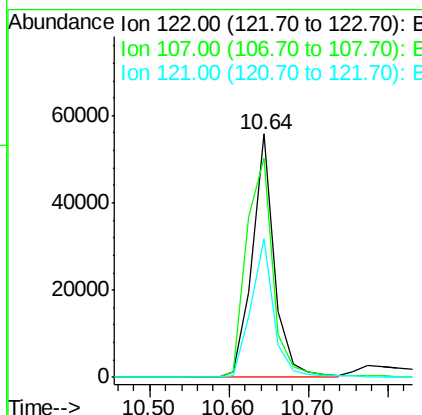
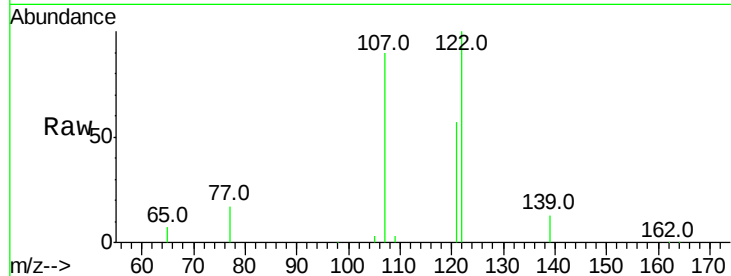




#11
 2,4-Dimethylphenol
 Concen: 5.20 ng
 RT: 10.64 min Scan# 561
 Delta R.T. -0.02 min
 Lab File: BM002897.D
 Acq: 13 Oct 2015 21:35

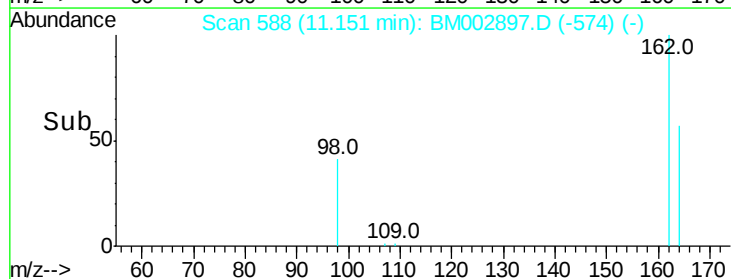
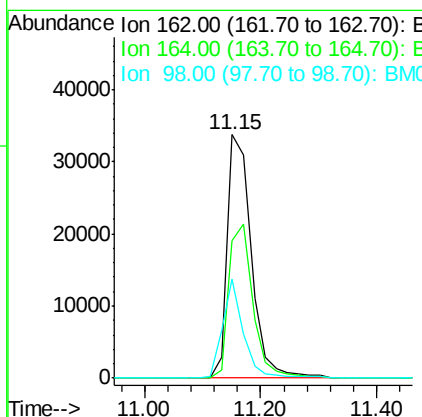
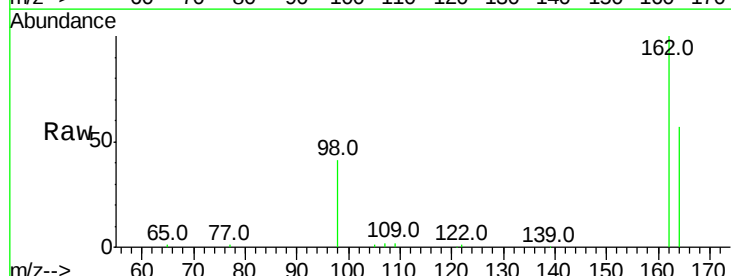
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

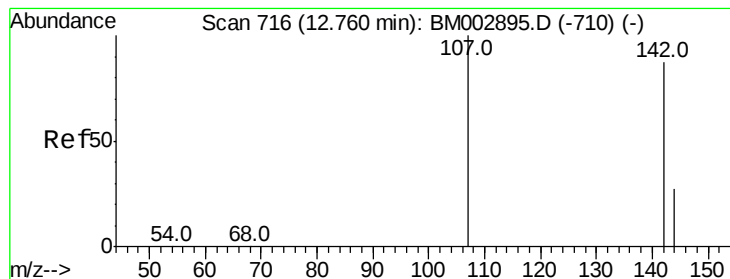
Tot Ion	Ratio	Lower	Upper
122	100		
107	90.0	68.6	102.8
121	56.7	44.8	67.2



#12
 2,4-Dichlorophenol
 Concen: 5.71 ng
 RT: 11.15 min Scan# 588
 Delta R.T. -0.04 min
 Lab File: BM002897.D
 Acq: 13 Oct 2015 21:35

Tgt Ion	Ratio	Lower	Upper
162	100		
164	56.7	49.2	89.2
98	40.9	0.0	37.4





#13

4-Chloro-3-methylphenol

Concen: 5.31 ng

RT: 12.74 min Scan# 714

Delta R.T. -0.02 min

Lab File: BM002897.D

Acq: 13 Oct 2015 21:35

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

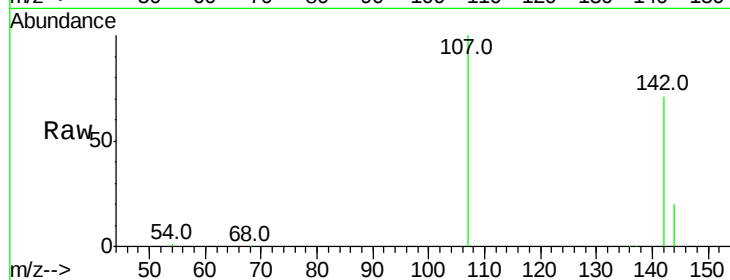
Tot Ion:107 Resp: 109859

Ion Ratio Lower Upper

107 100

144 20.4 16.2 24.2

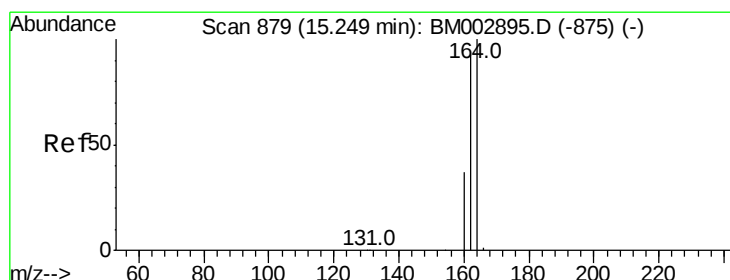
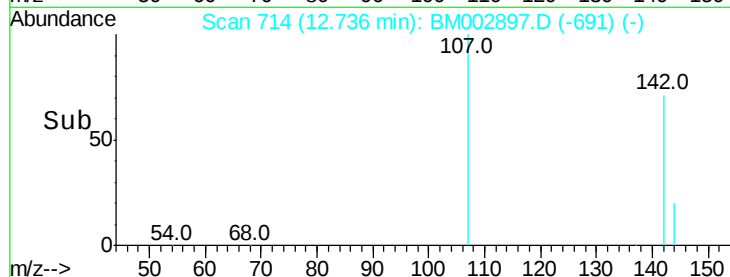
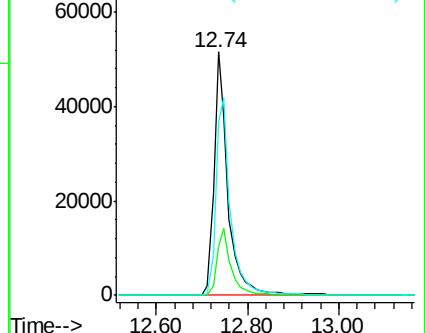
142 71.3 49.8 74.6



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: BM002897.D

Acq: 13 Oct 2015 21:35

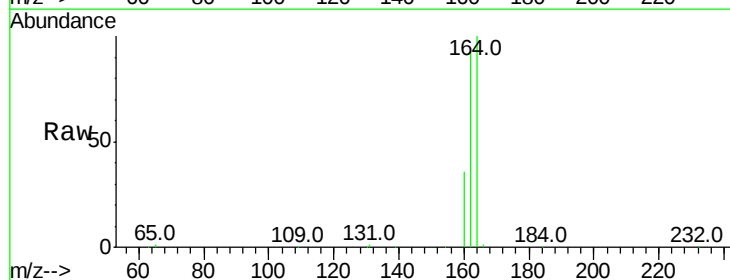
Tgt Ion:164 Resp: 200693

Ion Ratio Lower Upper

164 100

162 93.1 79.2 118.8

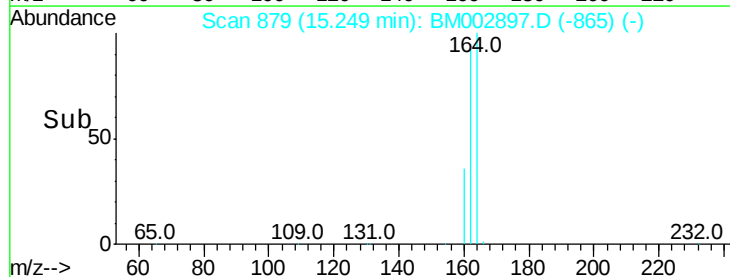
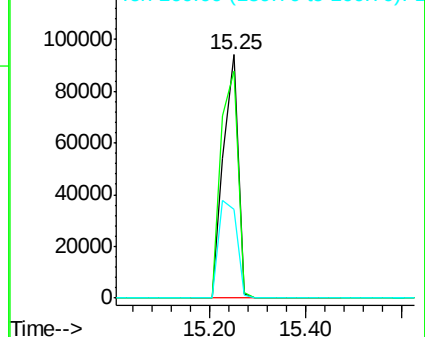
160 36.4 33.7 50.5

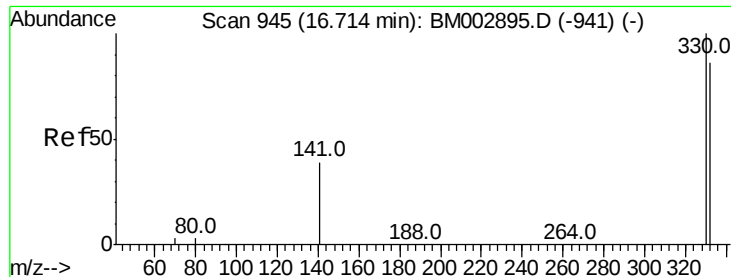


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

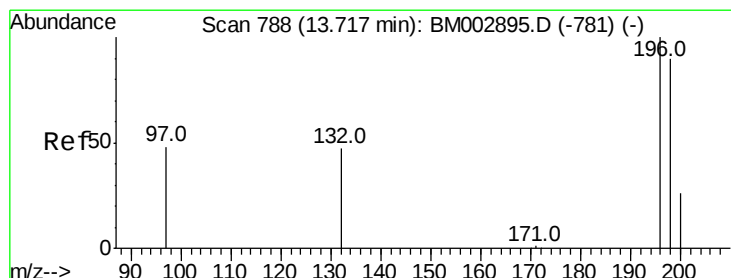
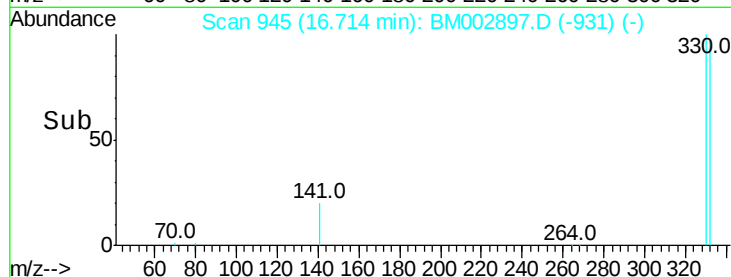
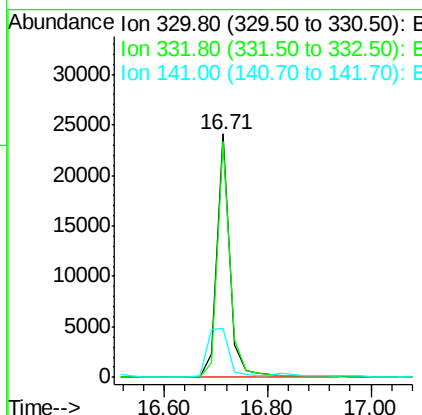
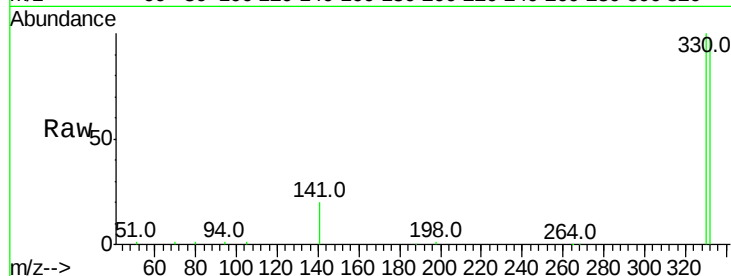




#15
 2,4,6-Tribromophenol
 Concen: 5.67 ng
 RT: 16.71 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: BM002897.D
 Acq: 13 Oct 2015 21:35

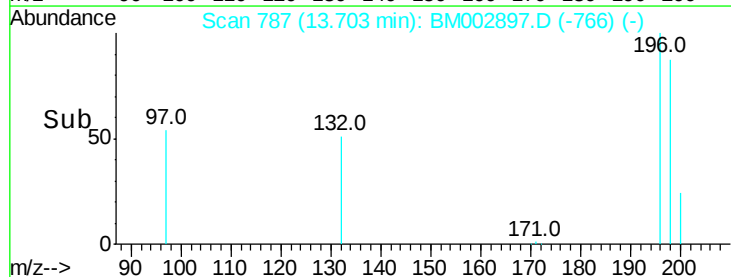
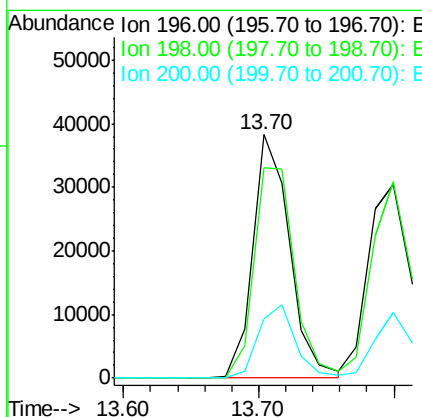
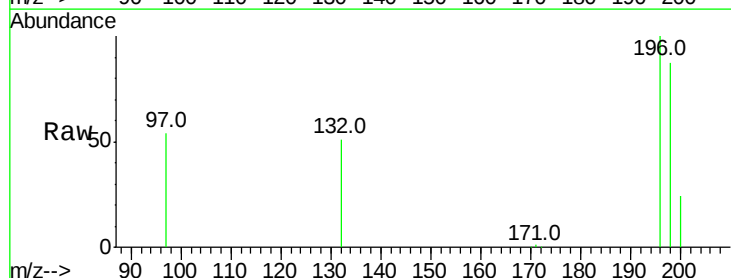
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

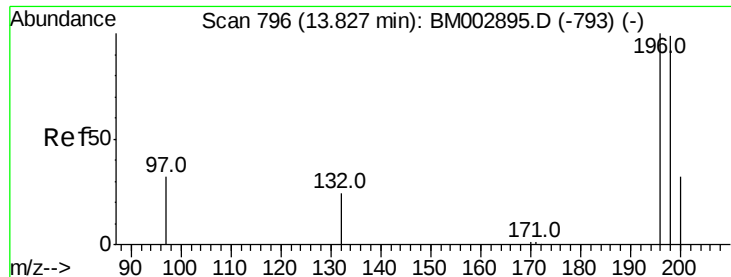
Tot Ion:330 Resp: 41585
 Ion Ratio Lower Upper
 330 100
 332 96.6 74.0 111.0
 141 32.5 24.1 36.1



#16
 2,4,6-Trichlorophenol
 Concen: 5.52 ng
 RT: 13.70 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: BM002897.D
 Acq: 13 Oct 2015 21:35

Tgt Ion:196 Resp: 72170
 Ion Ratio Lower Upper
 196 100
 198 86.6 54.2 81.2#
 200 24.4 17.1 25.7

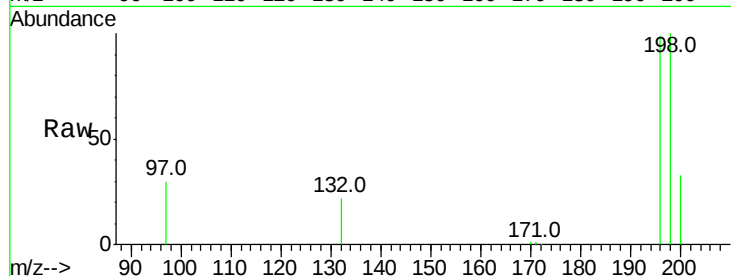




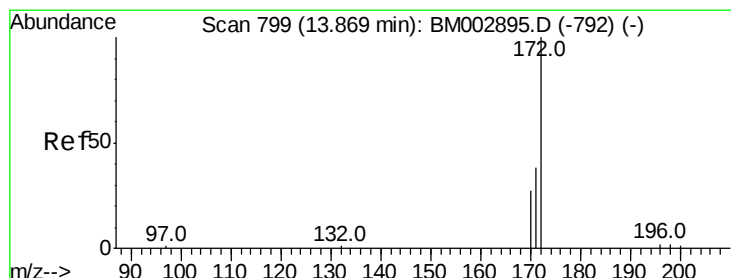
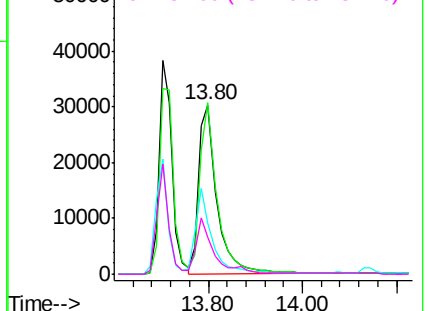
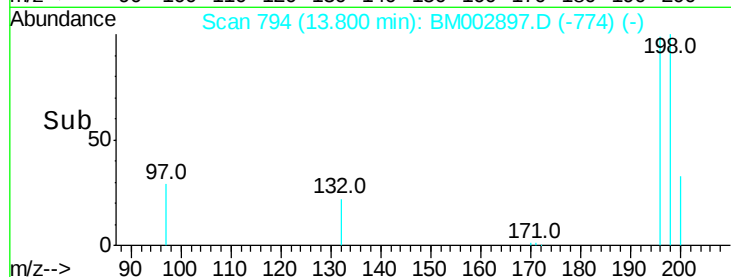
#17
2,4,5-Trichlorophenol
Concen: 5.67 ng
RT: 13.80 min Scan# 794
Delta R.T. -0.03 min
Lab File: BM002897.D
Acq: 13 Oct 2015 21:35

Instrument :
BNA_M
ClientSampleId :
SSTDIC005

Tot Ion:196 Resp: 79123
Ion Ratio Lower Upper
196 100
198 101.2 73.6 110.4
97 30.0 0.0 0.0#
132 22.0 0.0 0.0#

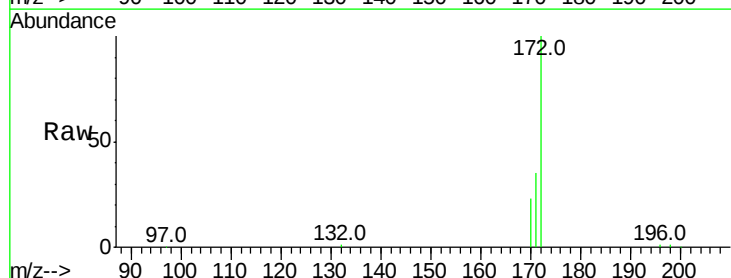


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BM
Ion 132.00 (131.70 to 132.70): E

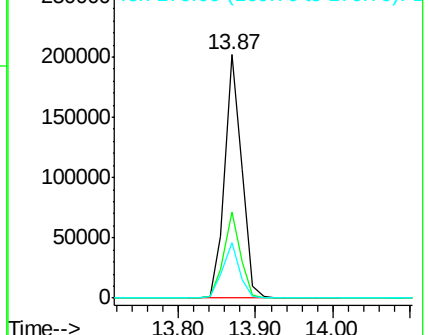
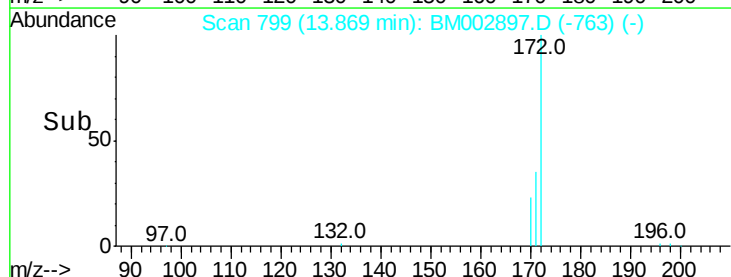


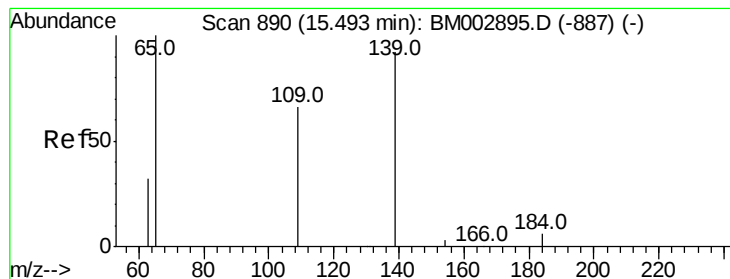
#18
2-Fluorobiphenyl
Concen: 4.71 ng
RT: 13.87 min Scan# 799
Delta R.T. 0.00 min
Lab File: BM002897.D
Acq: 13 Oct 2015 21:35

Tgt Ion:172 Resp: 309319
Ion Ratio Lower Upper
172 100
171 34.2 0.0 0.0#
170 22.4 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: 8.41 ng

RT: 15.40 min Scan# 886

Delta R.T. -0.09 min

Lab File: BM002897.D

Acq: 13 Oct 2015 21:35

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

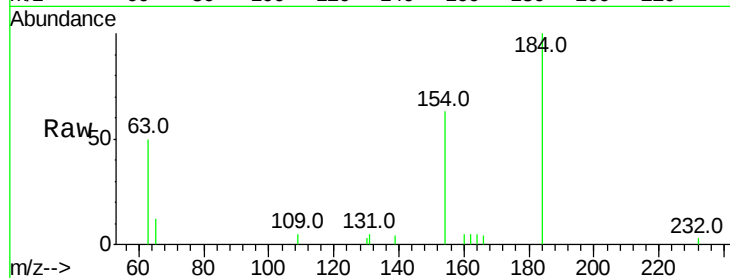
Tot Ion:184 Resp: 8664

Ion Ratio Lower Upper

184 100

63 50.4 52.0 78.0#

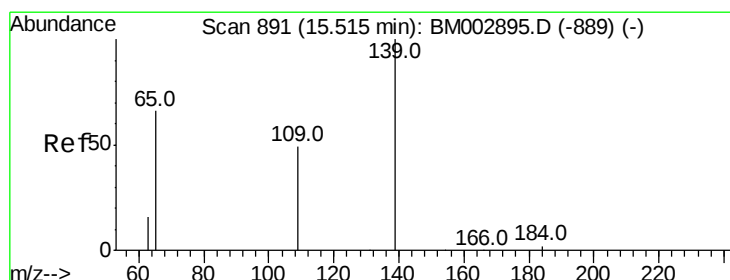
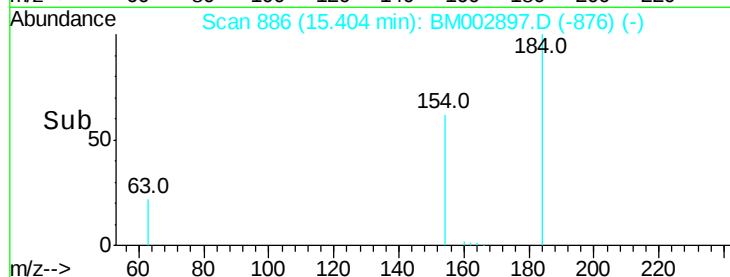
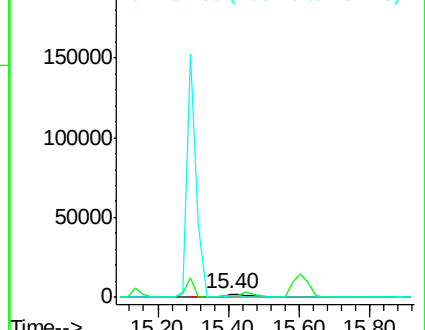
154 63.5 51.4 77.2



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: 1.09 ng

RT: 15.47 min Scan# 889

Delta R.T. -0.04 min

Lab File: BM002897.D

Acq: 13 Oct 2015 21:35

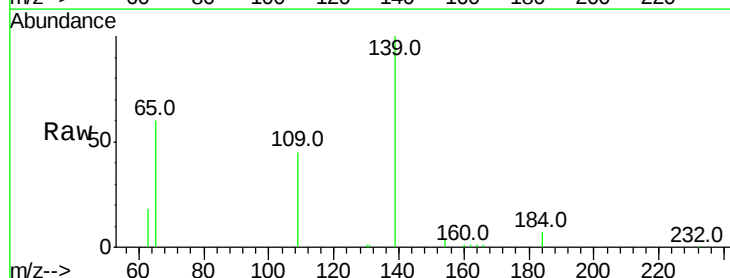
Tgt Ion:139 Resp: 37035

Ion Ratio Lower Upper

139 100

109 45.2 60.0 100.0#

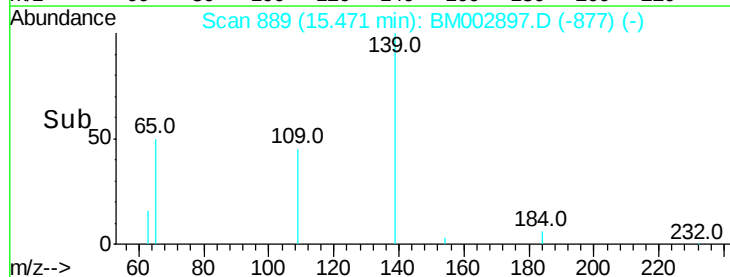
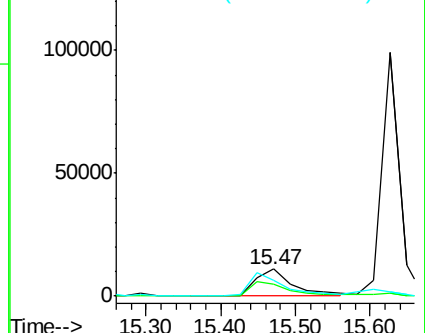
65 60.2 85.7 125.7#

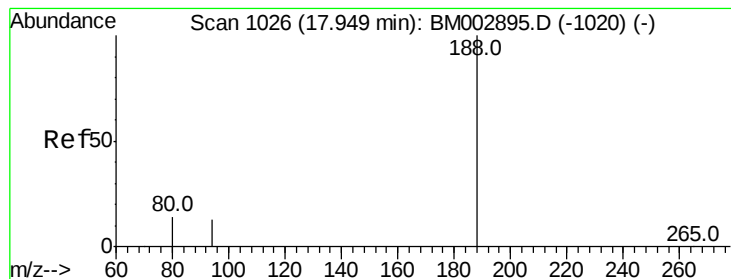


Abundance Ion 139.00 (138.70 to 139.70): E

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: BM002897.D

Acq: 13 Oct 2015 21:35

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

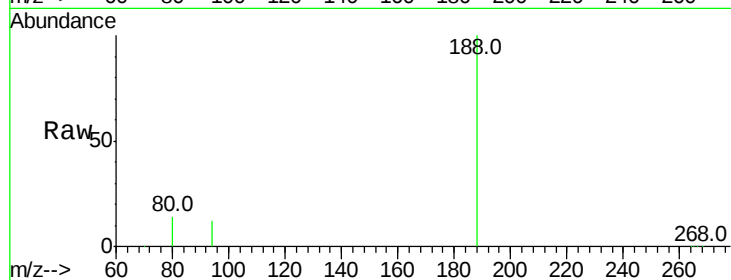
Tot Ion:188 Resp: 442781

Ion Ratio Lower Upper

188 100

94 12.4 2.9 4.3#

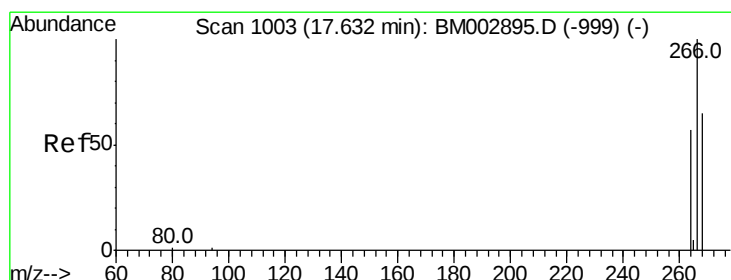
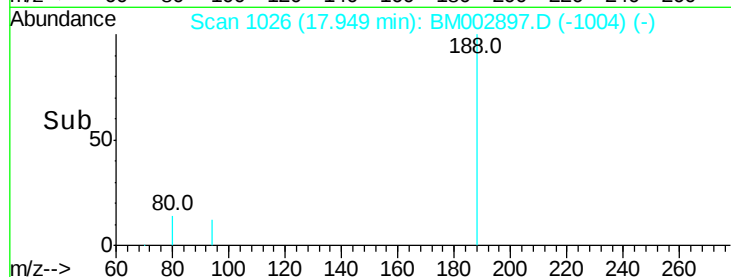
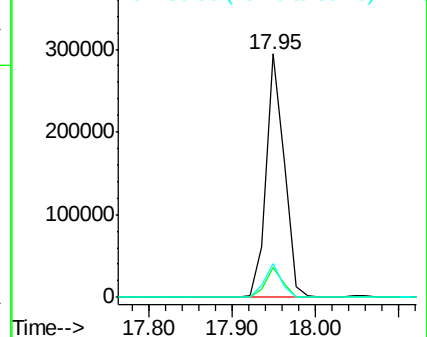
80 13.6 2.5 3.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#23

Pentachlorophenol

Concen: 6.37 ng

RT: 17.62 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BM002897.D

Acq: 13 Oct 2015 21:35

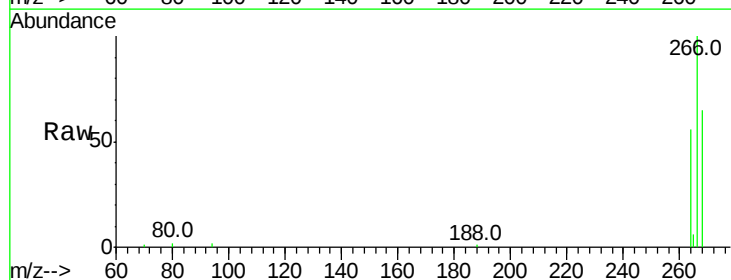
Tgt Ion:266 Resp: 21399

Ion Ratio Lower Upper

266 100

268 65.4 62.6 94.0

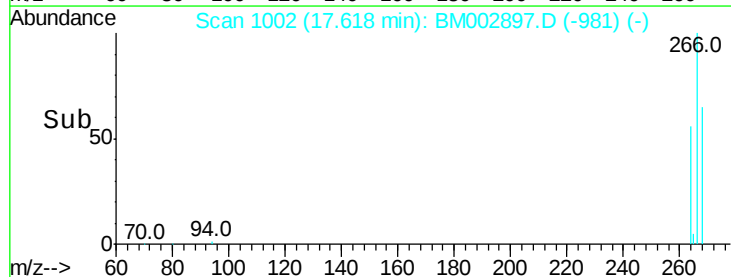
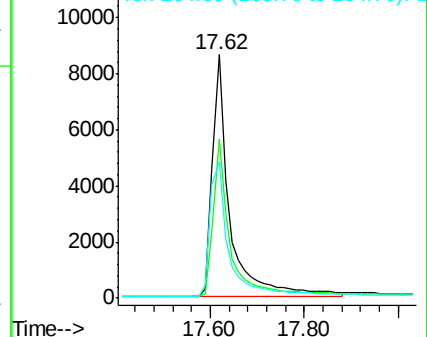
264 56.1 47.9 71.9

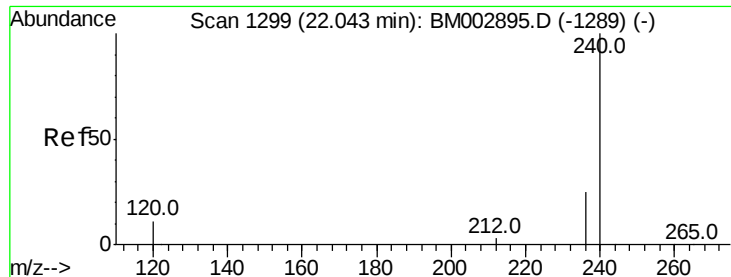


Abundance Ion 265.70 (265.40 to 266.40): E

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: BM002897.D

Acq: 13 Oct 2015 21:35

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

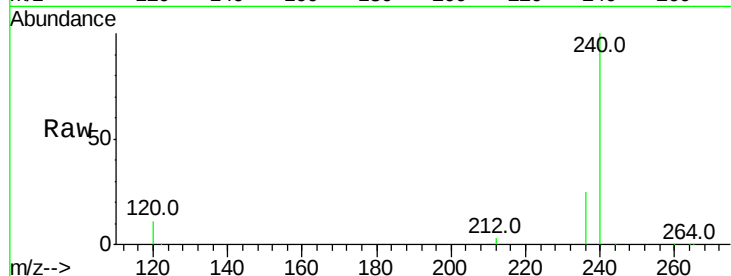
Tot Ion:240 Resp: 423849

Ion Ratio Lower Upper

240 100

120 11.3 10.4 15.6

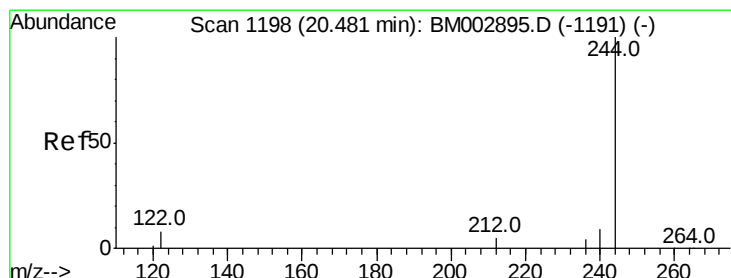
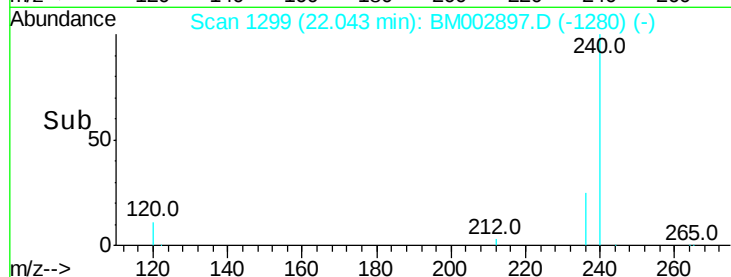
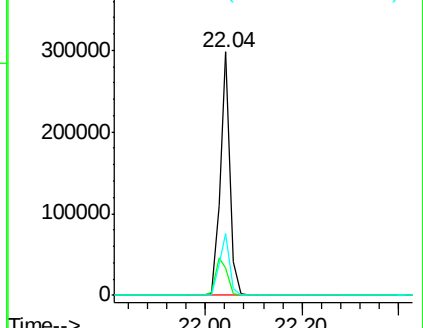
236 25.3 22.0 33.0



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: 4.76 ng

RT: 20.48 min Scan# 1198

Delta R.T. 0.00 min

Lab File: BM002897.D

Acq: 13 Oct 2015 21:35

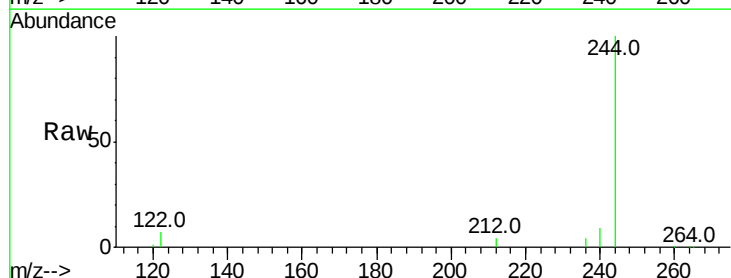
Tgt Ion:244 Resp: 306638

Ion Ratio Lower Upper

244 100

212 8.1 7.3 10.9

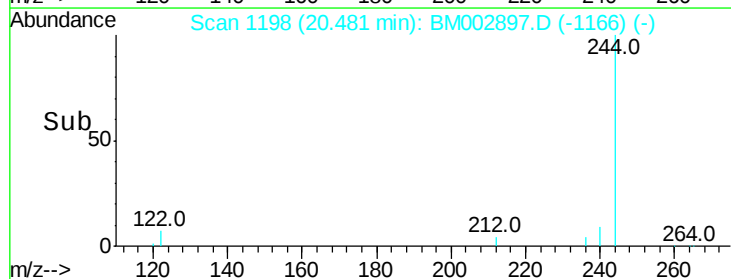
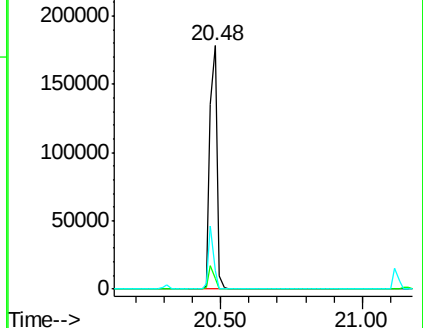
122 19.4 14.8 22.2

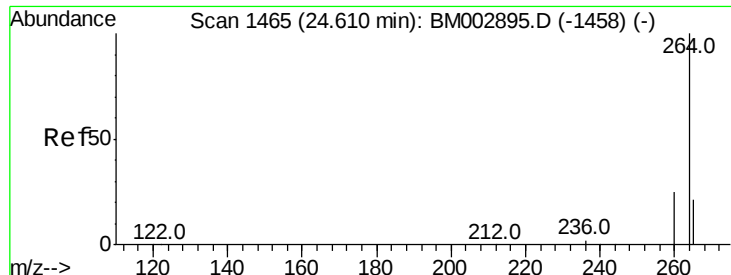


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#26
 Pervlene-d12
 Concen: 5.00 ng
 RT: 24.61 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BM002897.D
 Acq: 13 Oct 2015 21:35

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

Tot Ion: 264 Resp: 390241
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.7 29.5
 265 21.5 17.4 26.2

