

Data Path : Z:\HPCHEM1\BNA M\DATA\BM050615\
 Data File : BM001237.D
 Acq On : 07 May 2015 03:50
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Quant Time: May 07 07:29:28 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-ACID-BM050615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 07:00:24 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	14940	5.00	ng	0.00
9) Naphthalene-d8	10.26	136	44680	5.00	ng	0.00
16) Acenaphthene-d10	14.15	164	24304	5.00	ng	0.00
23) Phenanthrene-d10	16.90	188	44187	5.00	ng	0.00
27) Chrysene-d12	21.09	240	49848	5.00	ng	0.00
29) Perylene-d12	23.23	264	46081	5.00	ng	0.00

System Monitoring Compounds						
3) 2-Fluorophenol	5.06	112	2527	1.04	ng	0.00
4) Phenol-d6	6.65	99	3529	1.02	ng	0.00
10) Nitrobenzene-d5	8.61	82	2709	1.01	ng	0.00
17) 2,4,6-Tribromophenol	15.64	330	960	0.92	ng	0.00
20) 2-Fluorobiphenyl	12.76	172	7786	1.03	ng	0.00
28) Terphenyl-d14	19.54	244	6753	1.03	ng	0.00

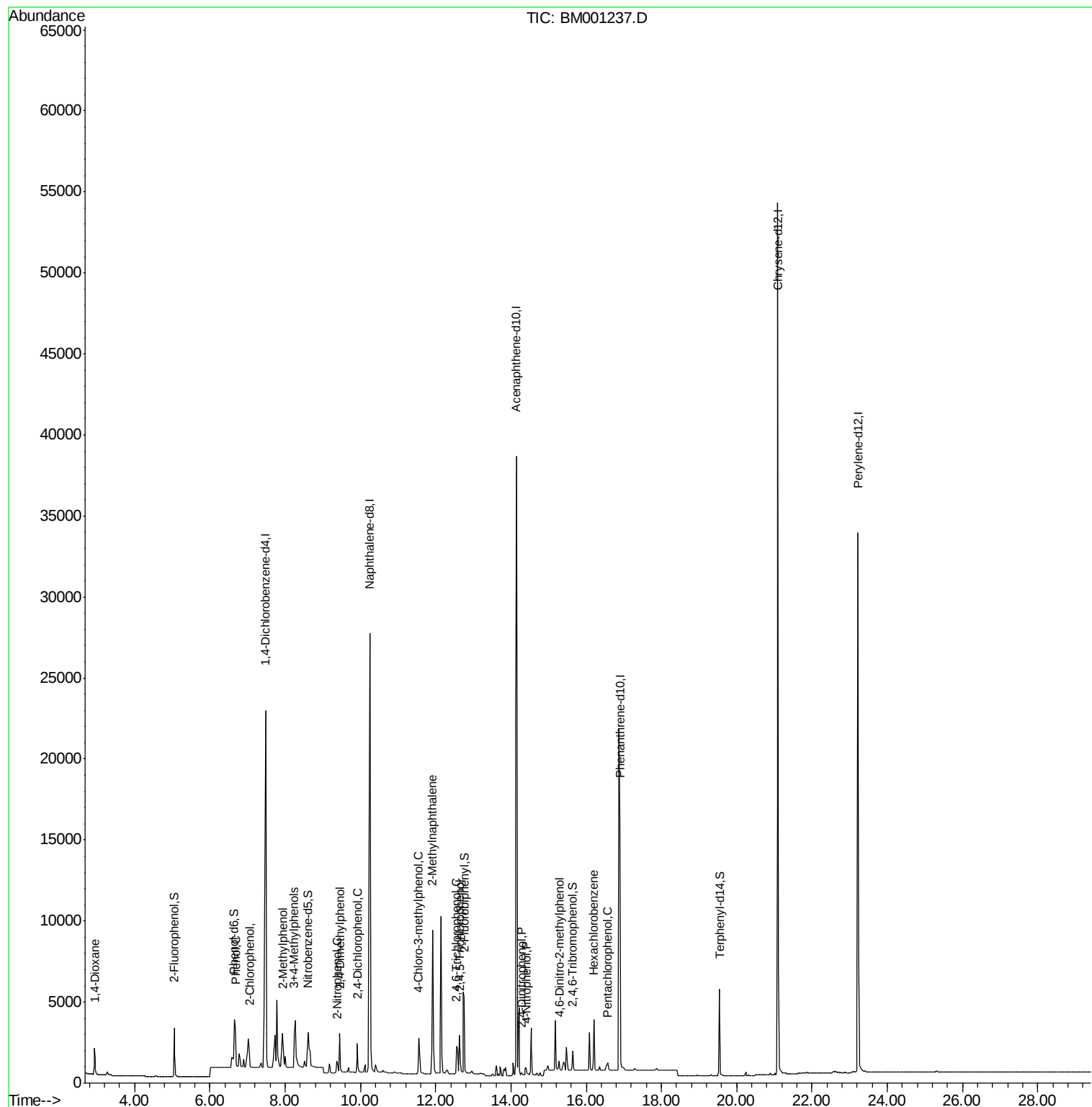
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.94	88	993	1.02	ng	100
5) 2-Chlorophenol	7.05	128	2166	1.02	ng	99
6) Phenol	6.68	94	3232	0.98	ng	97
7) 2-Methylphenol	7.94	107	1742	1.00	ng	99
8) 3+4-Methylphenols	8.24	107	2448	1.01	ng	# 39
11) 2-Nitrophenol	9.39	139	981	0.95	ng	98
12) 2,4-Dimethylphenol	9.46	122	2160	1.00	ng	99
13) 2,4-Dichlorophenol	9.92	162	2184	1.00	ng	99
14) 4-Chloro-3-methylphenol	11.55	107	2255	0.96	ng	92
15) 2-Methylnaphthalene	11.92	142	6712	1.05	ng	99
18) 2,4,6-Trichlorophenol	12.56	196	1734	0.95	ng	98
19) 2,4,5-Trichlorophenol	12.64	196	1932	0.92	ng	98
21) 2,4-Dinitrophenol	14.29	184	250	0.91	ng	97
22) 4-Nitrophenol	14.40	139	465	1.04	ng	98
24) 4,6-Dinitro-2-methylphenol	15.29	198	641	0.94	ng	# 77
25) Hexachlorobenzene	16.21	284	3381	1.04	ng	98
26) Pentachlorophenol	16.56	266	632	1.01	ng	98

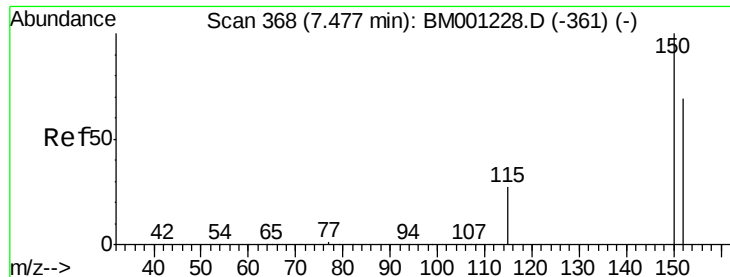
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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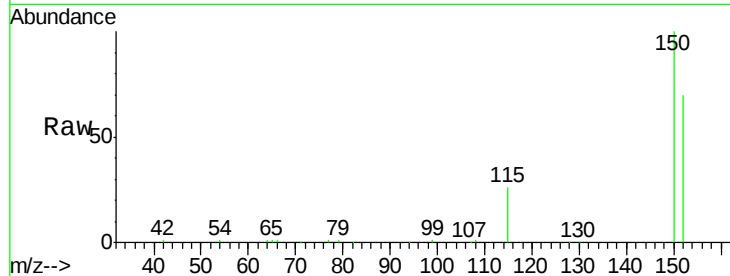


#1

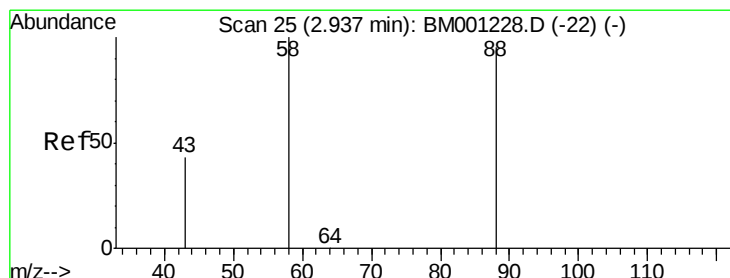
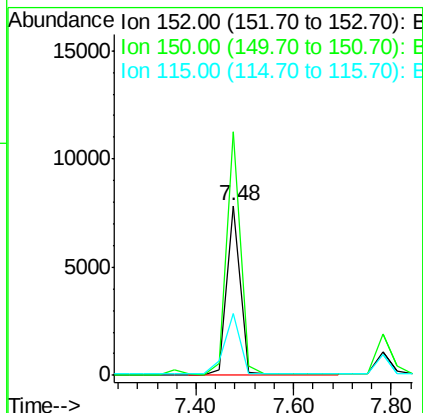
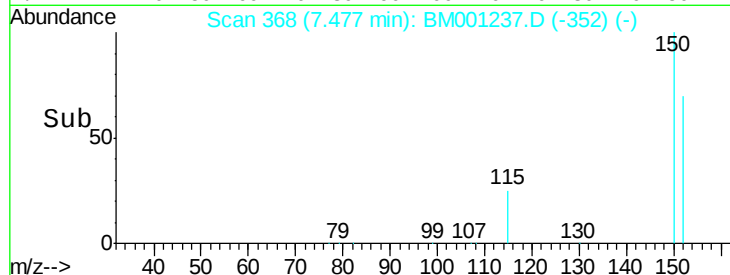
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.48 min Scan# 368
Delta R.T. -0.00 min
Lab File: BM001237.D
Acq: 07 May 2015 03:50

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion:152 Resp: 14940
Ion Ratio Lower Upper
152 100
150 143.3 116.3 174.5
115 36.5 31.9 47.9



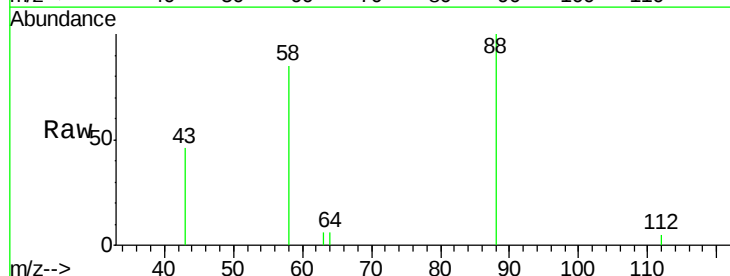
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



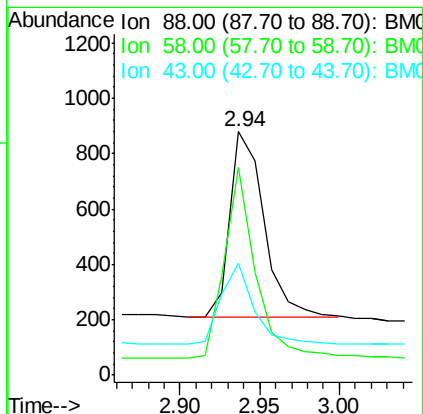
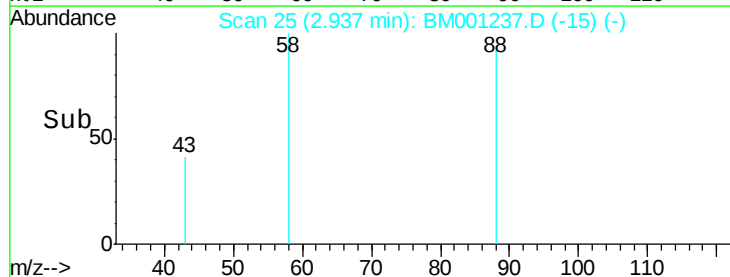
#2

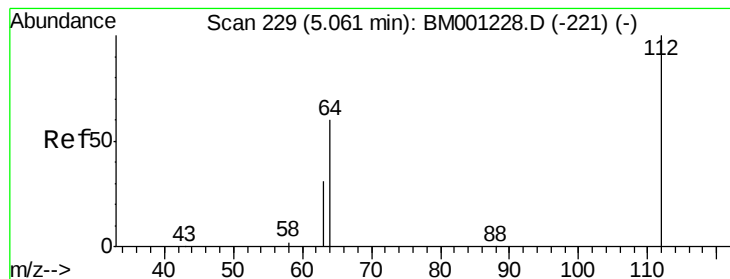
1,4-Dioxane
Concen: 1.02 ng
RT: 2.94 min Scan# 25
Delta R.T. -0.00 min
Lab File: BM001237.D
Acq: 07 May 2015 03:50

Tgt Ion: 88 Resp: 993
Ion Ratio Lower Upper
88 100
58 94.5 75.5 113.3
43 41.8 32.7 49.1



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0





#3

2-Fluorophenol

Concen: 1.04 ng

RT: 5.06 min Scan# 229

Delta R.T. -0.00 min

Lab File: BM001237.D

Acq: 07 May 2015 03:50

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

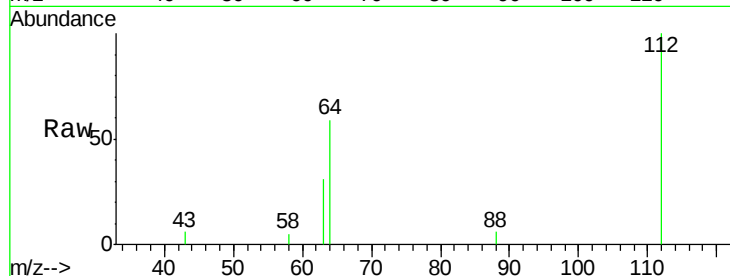
Tot Ion:112 Resp: 2527

Ion Ratio Lower Upper

112 100

64 58.6 49.3 73.9

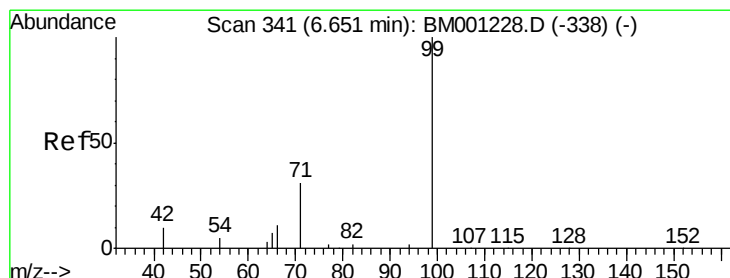
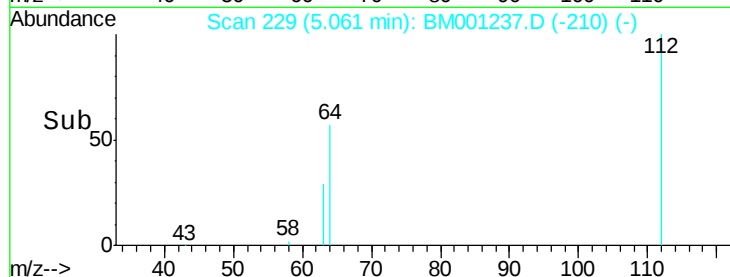
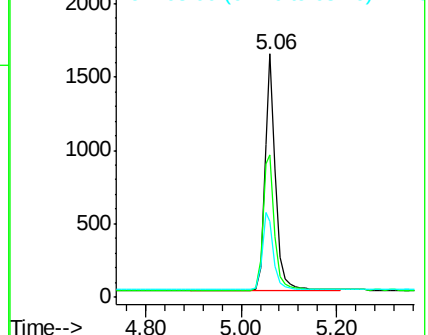
63 31.1 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#4

Phenol-d6

Concen: 1.02 ng

RT: 6.65 min Scan# 341

Delta R.T. -0.00 min

Lab File: BM001237.D

Acq: 07 May 2015 03:50

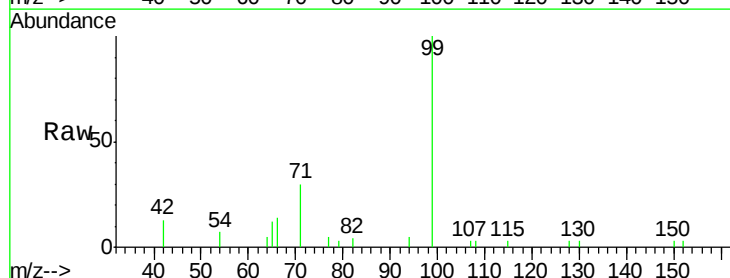
Tgt Ion: 99 Resp: 3529

Ion Ratio Lower Upper

99 100

42 12.9 12.1 18.1

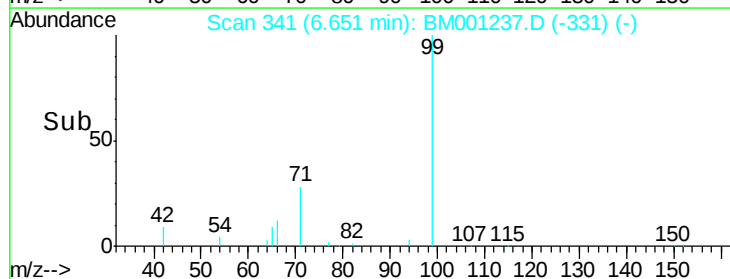
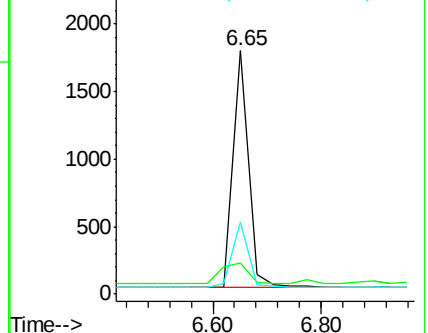
71 29.6 26.4 39.6

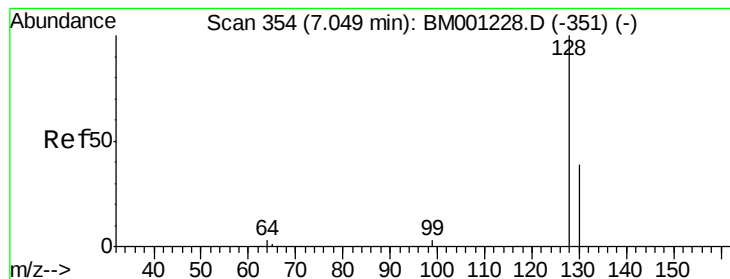


Abundance Ion 99.00 (98.70 to 99.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM





#5

2-Chlorophenol

Concen: 1.02 ng

RT: 7.05 min Scan# 354

Delta R.T. -0.00 min

Lab File: BM001237.D

Acq: 07 May 2015 03:50

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

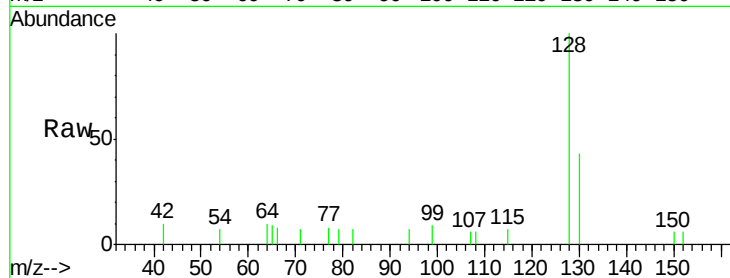
Tot Ion:128 Resp: 2166

Ion Ratio Lower Upper

128 100

130 42.8 22.2 62.2

64 9.9 0.0 28.7

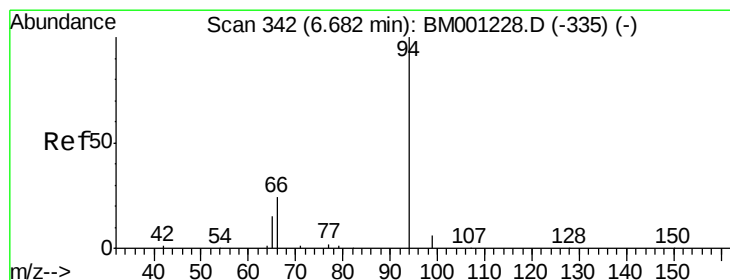
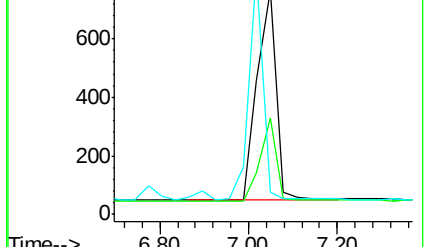
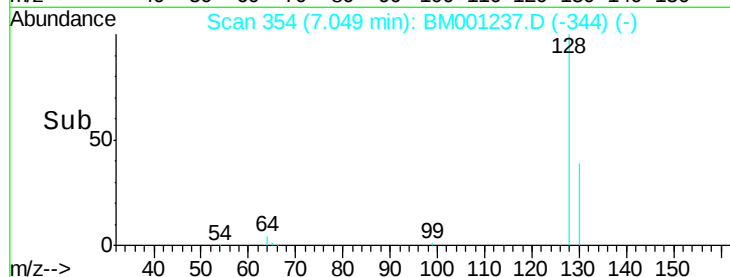


Abundance Ion 128.00 (127.70 to 128.70): B

Ion 130.00 (129.70 to 130.70): B

Ion 64.00 (63.70 to 64.70): B

Time-->



#6

Phenol

Concen: 0.98 ng

RT: 6.68 min Scan# 342

Delta R.T. -0.00 min

Lab File: BM001237.D

Acq: 07 May 2015 03:50

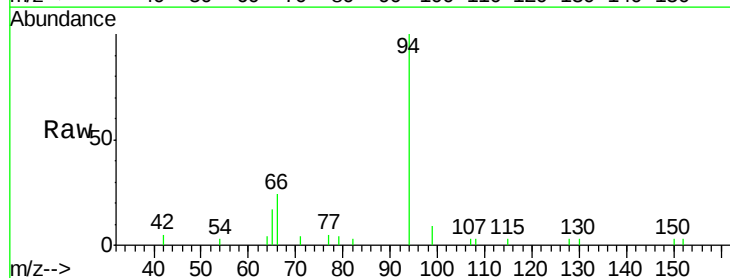
Tgt Ion: 94 Resp: 3232

Ion Ratio Lower Upper

94 100

65 16.9 0.0 37.7

66 24.2 6.3 46.3

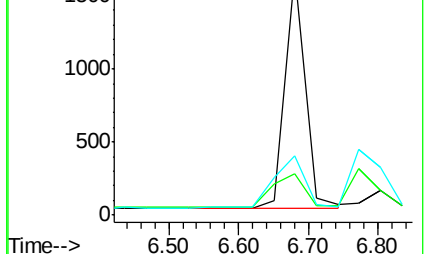
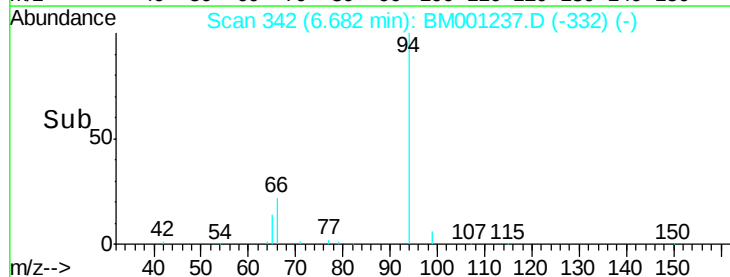


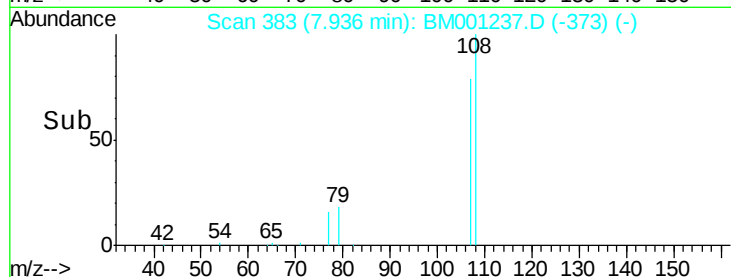
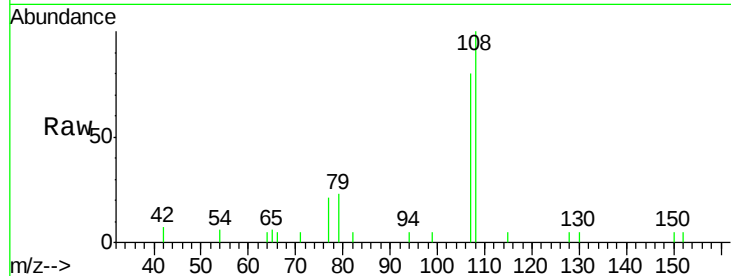
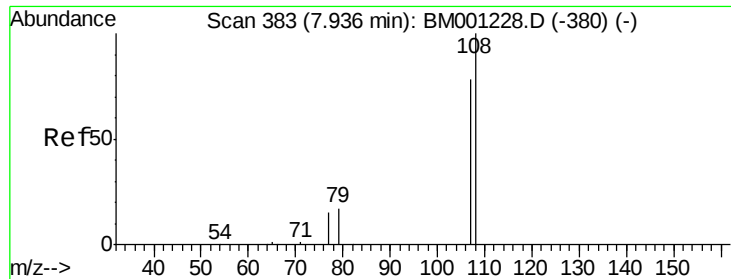
Abundance Ion 94.00 (93.70 to 94.70): B

Ion 65.00 (64.70 to 65.70): B

Ion 66.00 (65.70 to 66.70): B

Time-->





#7

2-Methylphenol

Concen: 1.00 ng

RT: 7.94 min Scan# 383

Delta R.T. -0.00 min

Lab File: BM001237.D

Acq: 07 May 2015 03:50

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

Tot Ion:107 Resp: 1742

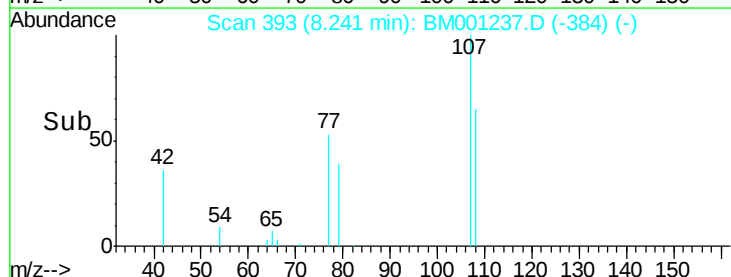
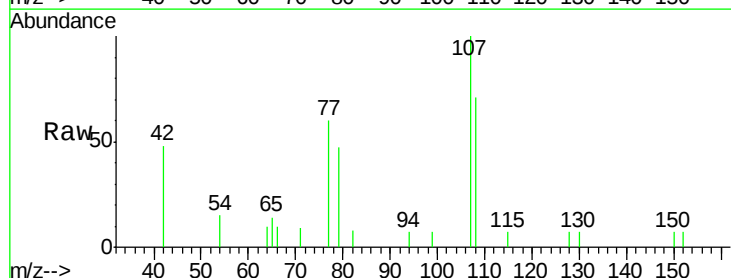
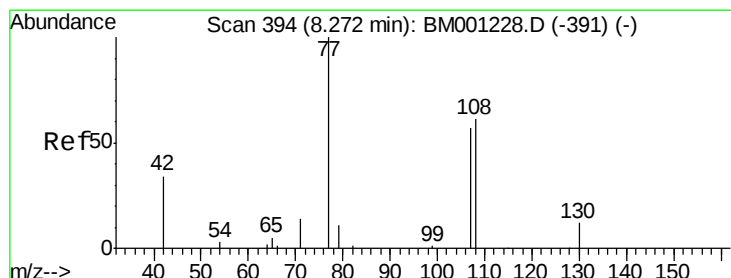
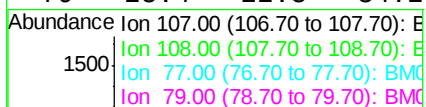
Ion Ratio Lower Upper

107 100

108 125.0 100.9 151.3

77 26.1 20.3 30.5

79 28.4 22.8 34.2



#8

3+4-Methylphenols

Concen: 1.01 ng

RT: 8.24 min Scan# 393

Delta R.T. -0.03 min

Lab File: BM001237.D

Acq: 07 May 2015 03:50

Tgt Ion:107 Resp: 2448

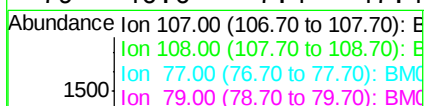
Ion Ratio Lower Upper

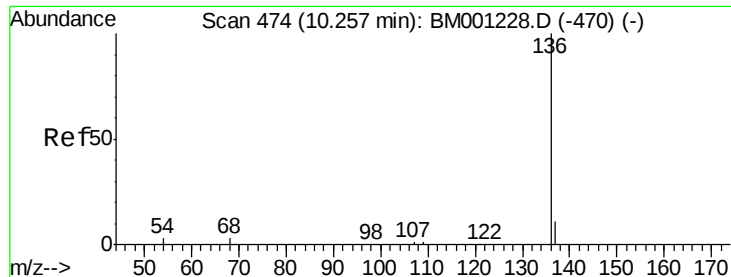
107 100

108 70.6 86.3 126.3#

77 60.3 151.7 191.7#

79 46.6 7.4 47.4

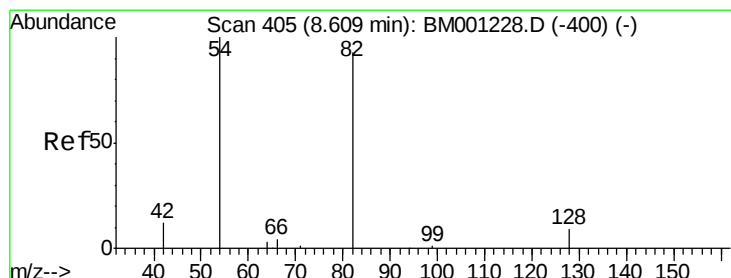
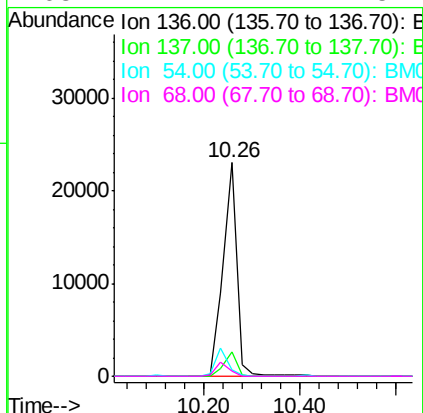
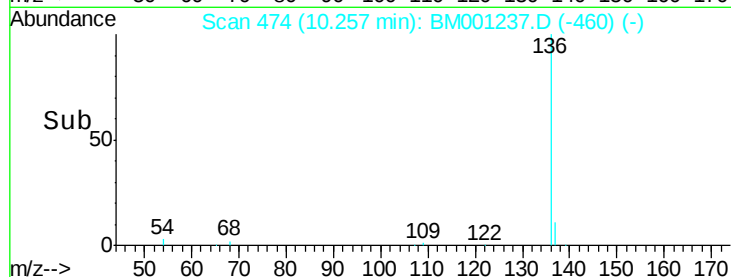
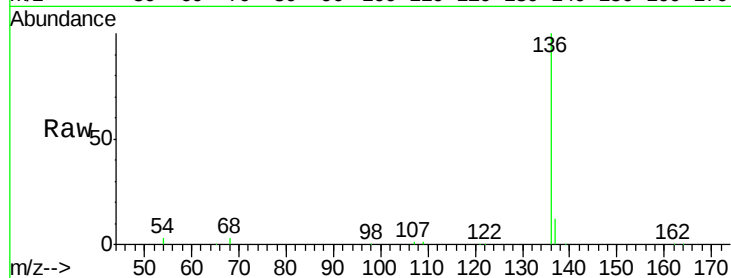




#9
Naphthalene-d8
Concen: 5.00 ng
RT: 10.26 min Scan# 474
Delta R.T. -0.00 min
Lab File: BM001237.D
Acq: 07 May 2015 03:50

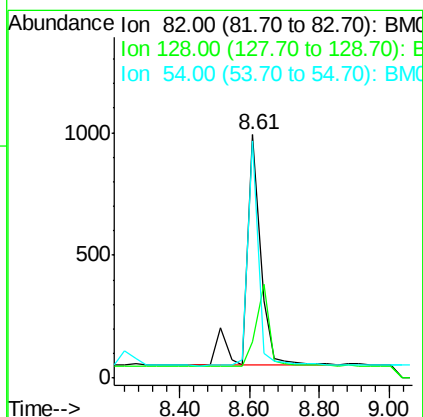
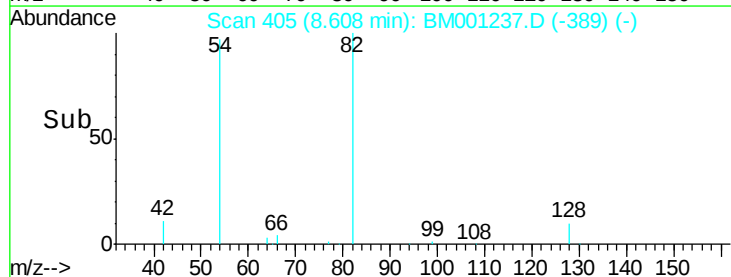
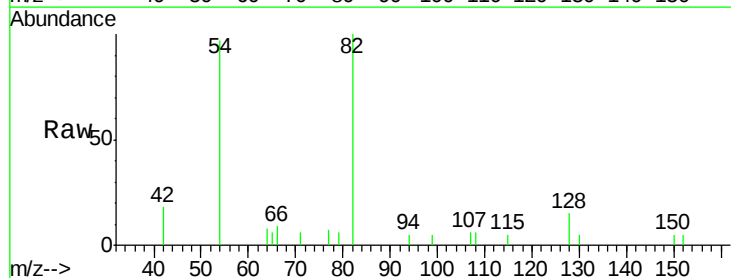
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

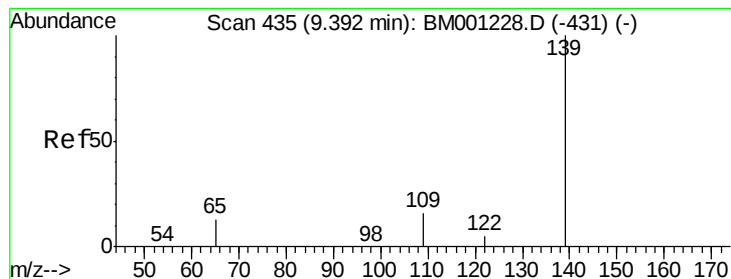
Tot Ion:136	Resp:	44680	
Ion Ratio	Lower	Upper	
136 100			
137 11.6	9.1	13.7	
54 3.0	2.6	3.8	
68 2.7	2.2	3.2	



#10
Nitrobenzene-d5
Concen: 1.01 ng
RT: 8.61 min Scan# 405
Delta R.T. 0.00 min
Lab File: BM001237.D
Acq: 07 May 2015 03:50

Tgt Ion: 82	Resp: 2709
Ion Ratio	Lower Upper
82 100	
128 0.0	0.0 0.0
54 70.1	59.0 88.6





#11

2-Nitrophenol

Concen: 0.95 ng

RT: 9.39 min Scan# 435

Delta R.T. 0.00 min

Lab File: BM001237.D

Acq: 07 May 2015 03:50

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

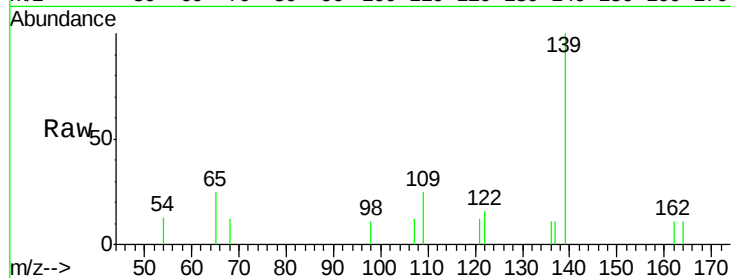
Tot Ion:139 Resp: 981

Ion Ratio Lower Upper

139 100

109 24.7 19.5 29.3

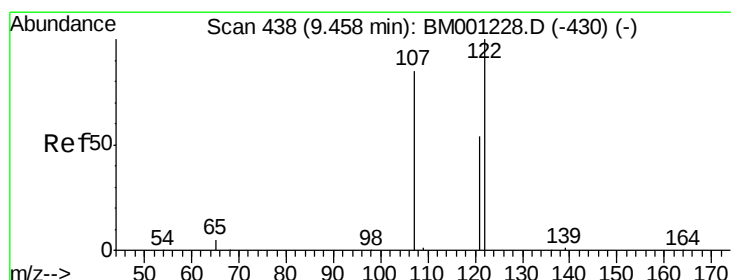
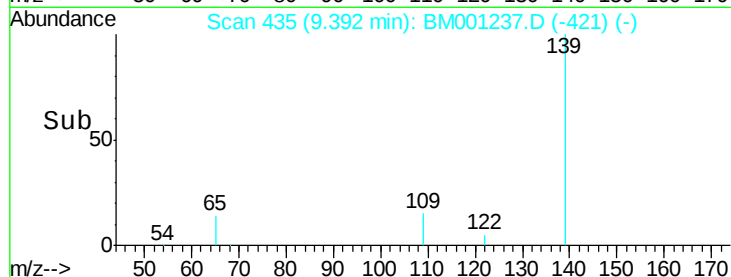
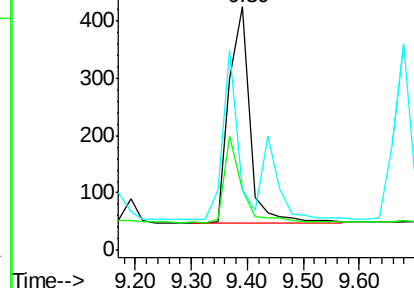
65 24.7 18.6 28.0



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): BM



#12

2,4-Dimethylphenol

Concen: 1.00 ng

RT: 9.46 min Scan# 438

Delta R.T. -0.00 min

Lab File: BM001237.D

Acq: 07 May 2015 03:50

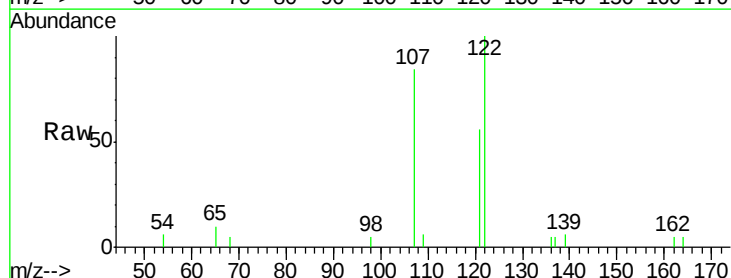
Tgt Ion:122 Resp: 2160

Ion Ratio Lower Upper

122 100

107 83.6 68.6 102.8

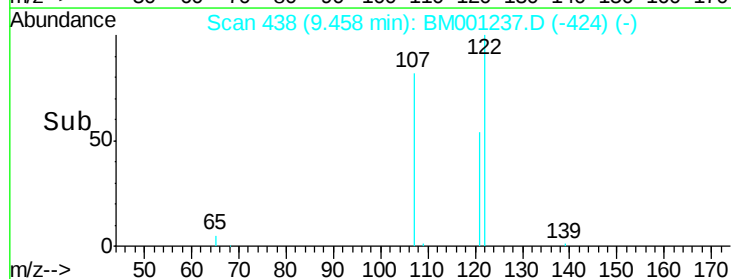
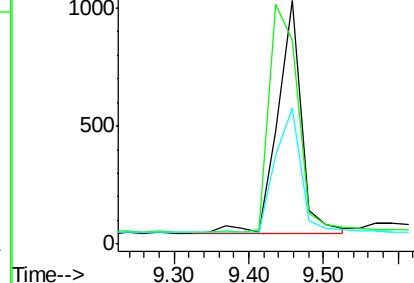
121 55.8 44.8 67.2

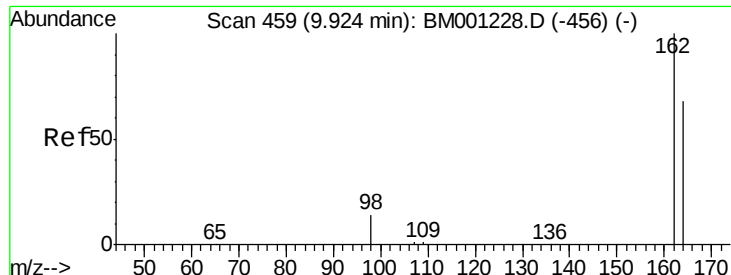


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

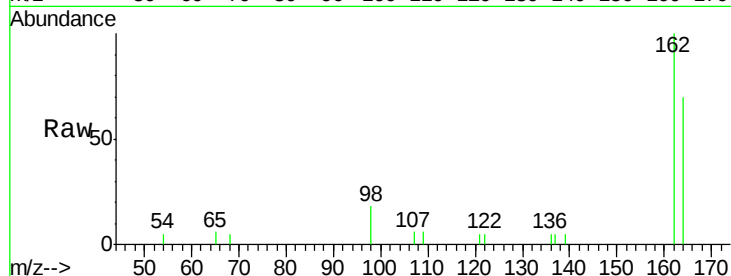




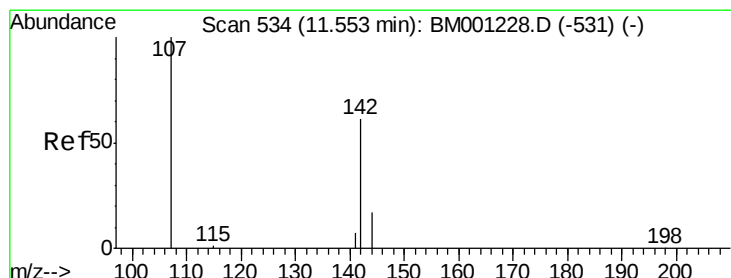
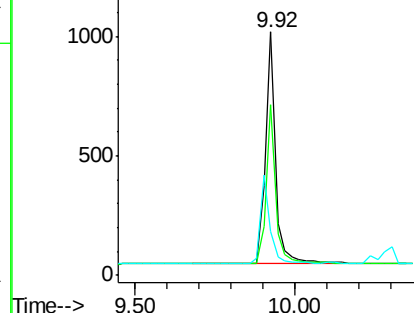
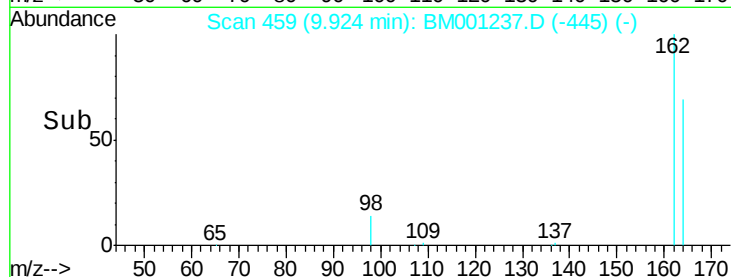
#13
 2,4-Dichlorophenol
 Concen: 1.00 ng
 RT: 9.92 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: BM001237.D
 Acq: 07 May 2015 03:50

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Tot Ion:162 Resp: 2184
 Ion Ratio Lower Upper
 162 100
 164 70.0 49.2 89.2
 98 17.8 0.0 37.4

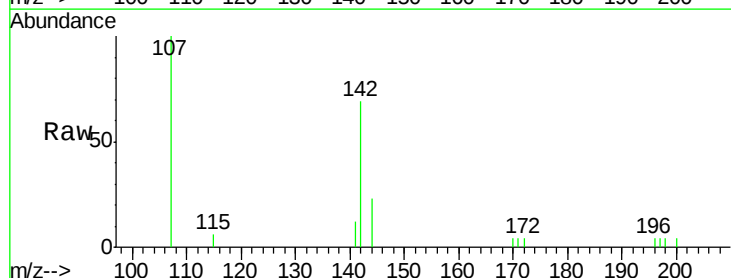


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): B

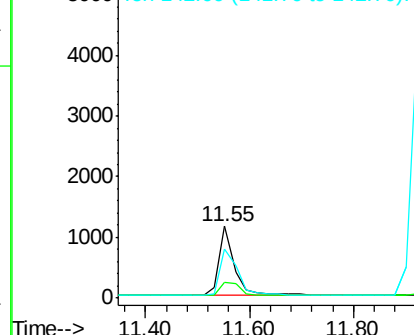
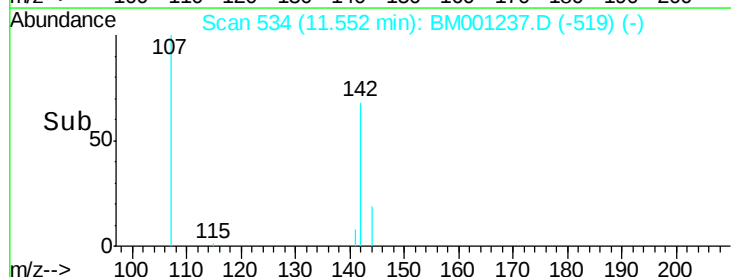


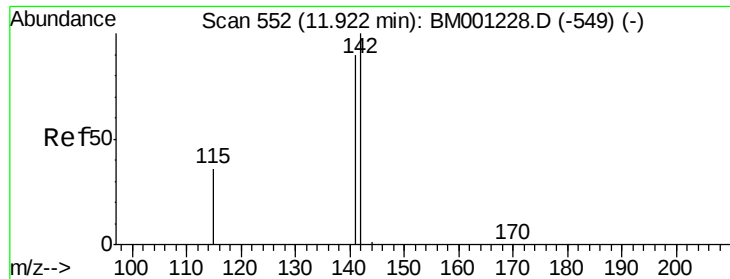
#14
 4-Chloro-3-methylphenol
 Concen: 0.96 ng
 RT: 11.55 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: BM001237.D
 Acq: 07 May 2015 03:50

Tgt Ion:107 Resp: 2255
 Ion Ratio Lower Upper
 107 100
 144 22.5 16.2 24.2
 142 68.9 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





#15

2-Methylnaphthalene

Concen: 1.05 ng

RT: 11.92 min Scan# 552

Delta R.T. -0.00 min

Lab File: BM001237.D

Acq: 07 May 2015 03:50

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

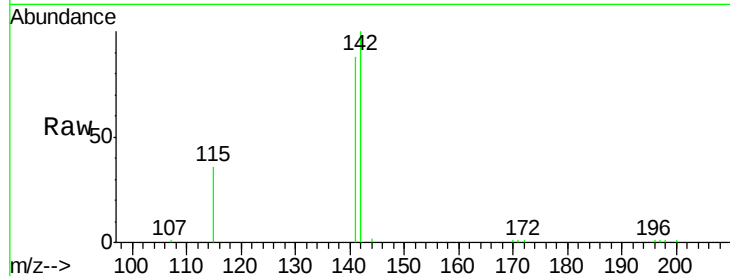
Tot Ion:142 Resp: 6712

Ion Ratio Lower Upper

142 100

141 88.3 71.4 107.0

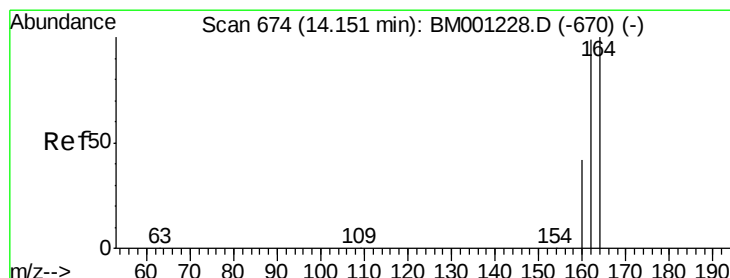
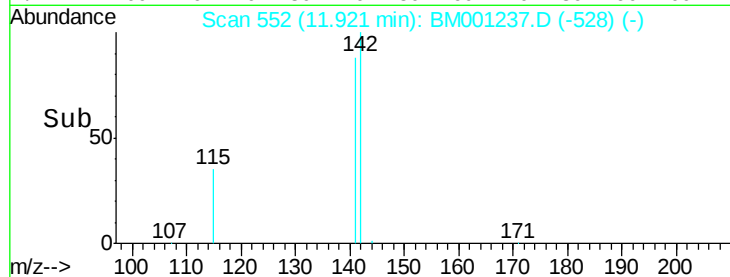
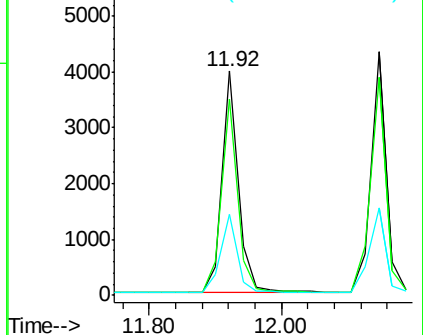
115 36.3 29.3 43.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#16

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.15 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM001237.D

Acq: 07 May 2015 03:50

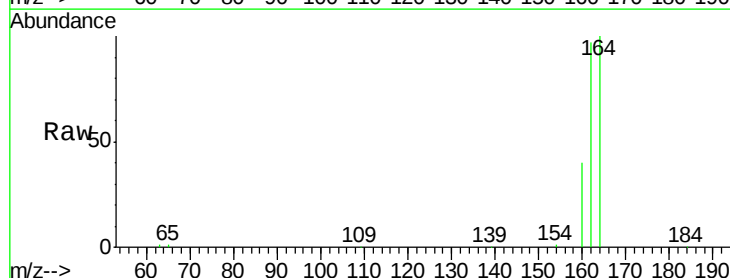
Tgt Ion:164 Resp: 24304

Ion Ratio Lower Upper

164 100

162 97.1 79.2 118.8

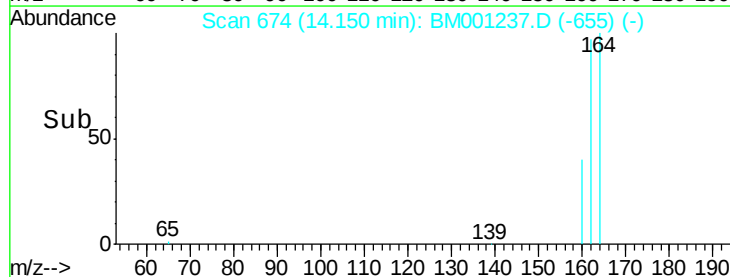
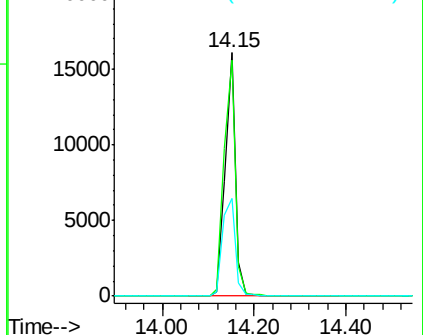
160 40.1 33.7 50.5

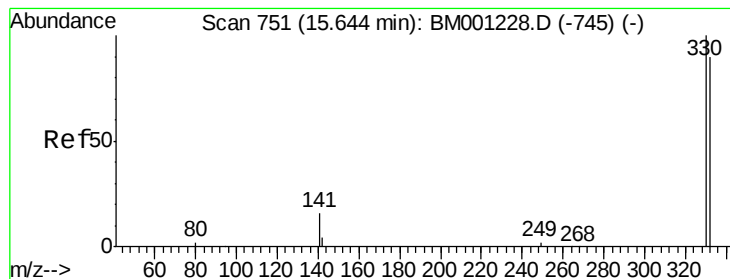


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

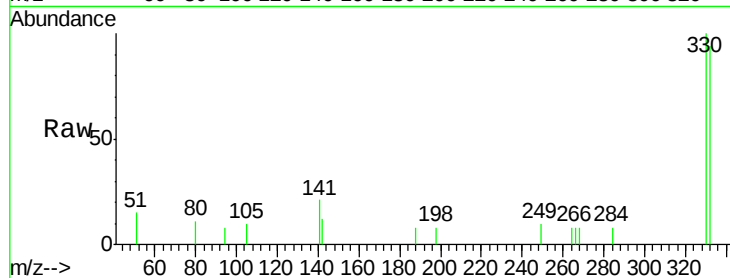




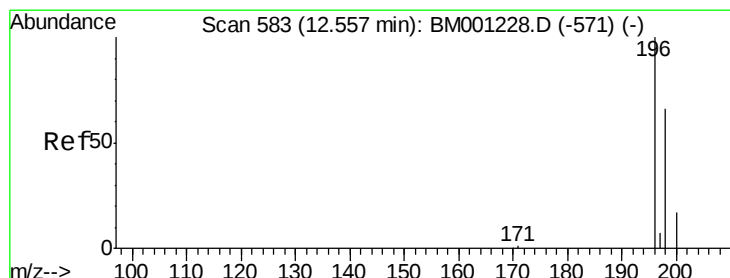
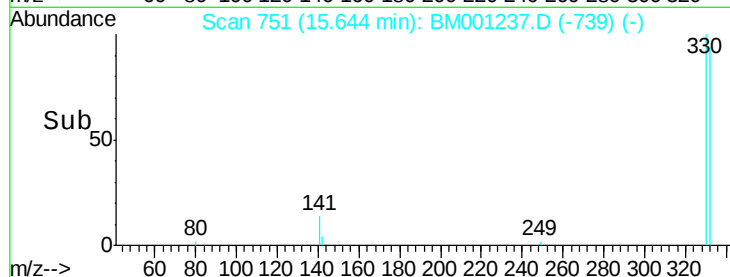
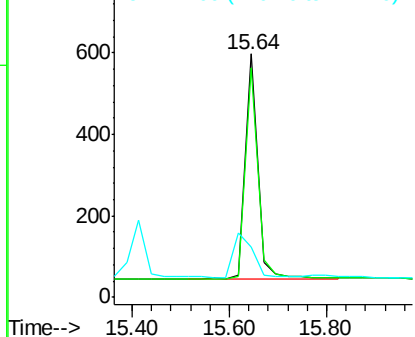
#17
 2,4,6-Tribromophenol
 Concen: 0.92 ng
 RT: 15.64 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BM001237.D
 Acq: 07 May 2015 03:50

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Tot Ion:330 Resp: 960
 Ion Ratio Lower Upper
 330 100
 332 95.2 74.0 111.0
 141 0.0 24.1 36.1#

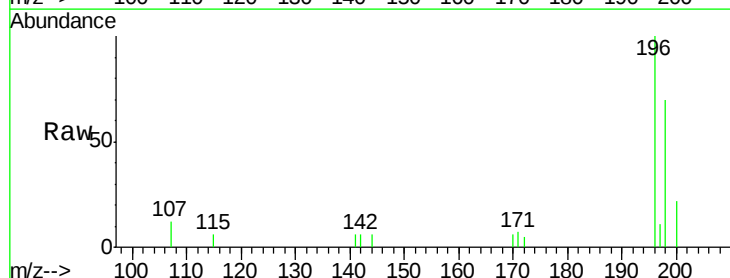


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

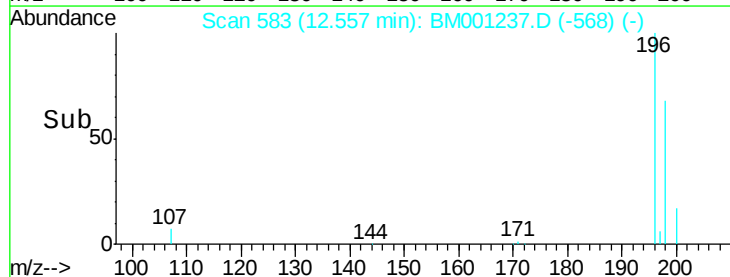
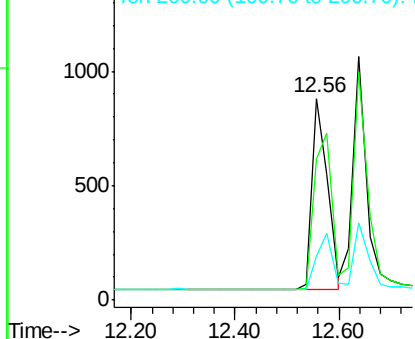


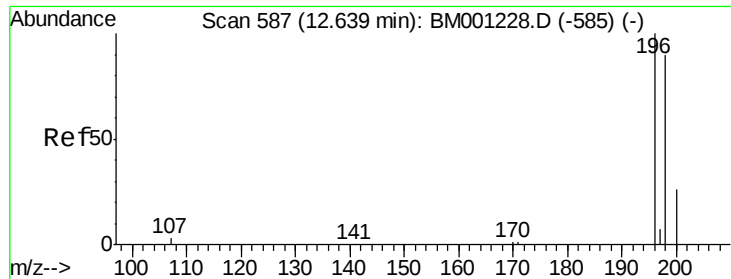
#18
 2,4,6-Trichlorophenol
 Concen: 0.95 ng
 RT: 12.56 min Scan# 583
 Delta R.T. -0.00 min
 Lab File: BM001237.D
 Acq: 07 May 2015 03:50

Tgt Ion:196 Resp: 1734
 Ion Ratio Lower Upper
 196 100
 198 70.0 54.2 81.2
 200 21.5 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

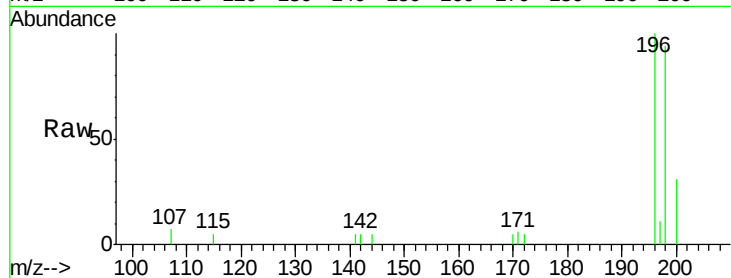




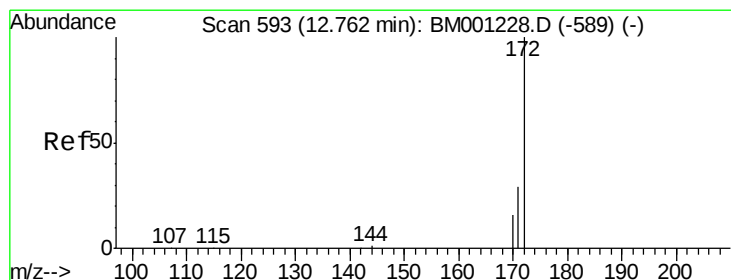
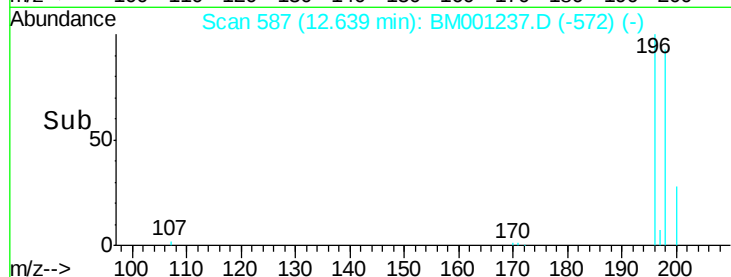
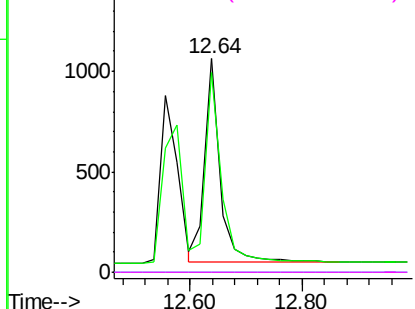
#19
2,4,5-Trichlorophenol
Concen: 0.92 ng
RT: 12.64 min Scan# 587
Delta R.T. -0.00 min
Lab File: BM001237.D
Acq: 07 May 2015 03:50

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion:196	Resp:	1932
Ion Ratio	Lower	Upper
196	100	
198	93.6	73.6 110.4
97	0.0	0.0 0.0
132	0.0	0.0 0.0

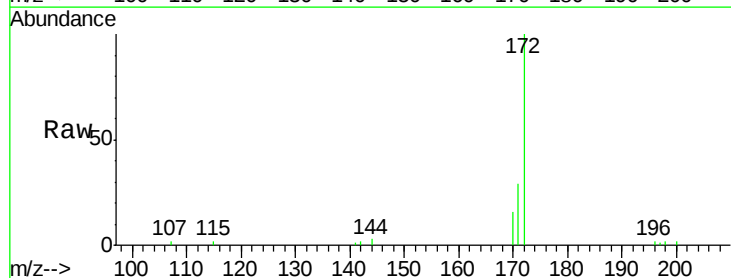


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BM
Ion 132.00 (131.70 to 132.70): E

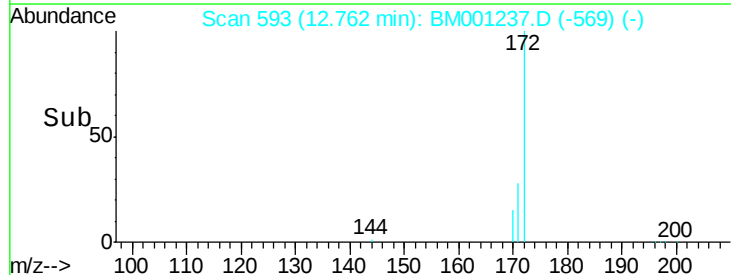
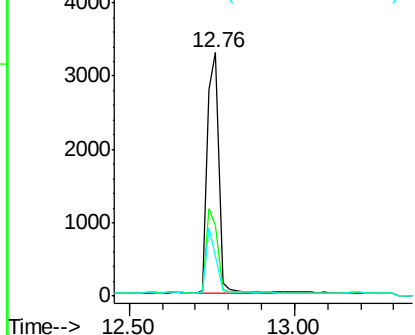


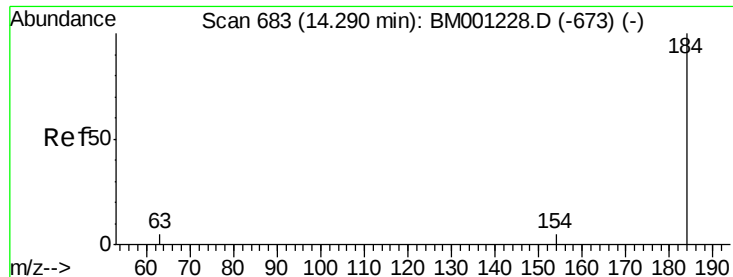
#20
2-Fluorobiphenyl
Concen: 1.03 ng
RT: 12.76 min Scan# 593
Delta R.T. -0.00 min
Lab File: BM001237.D
Acq: 07 May 2015 03:50

Tgt Ion	172	Resp: Lower	7786 Upper
	Ratio		
172	100		
171	0.0	0.0	0.0
170	0.0	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

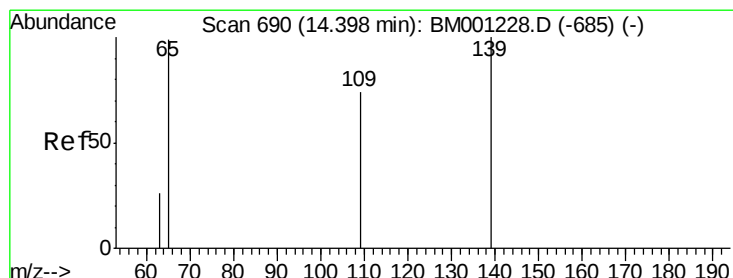
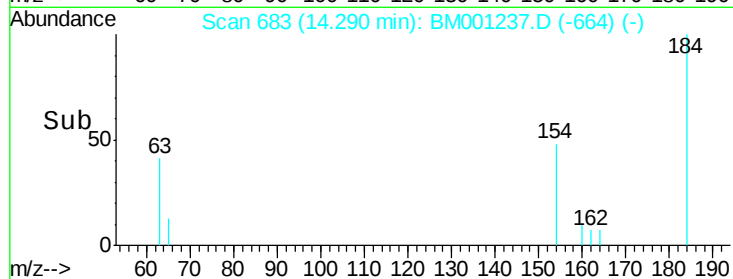
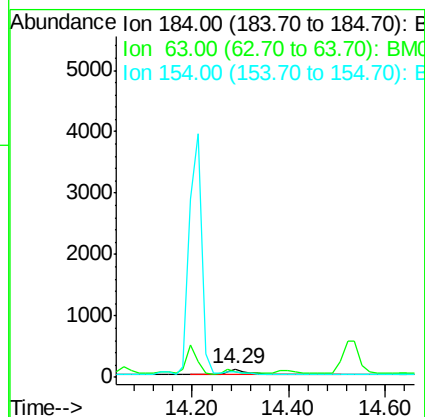
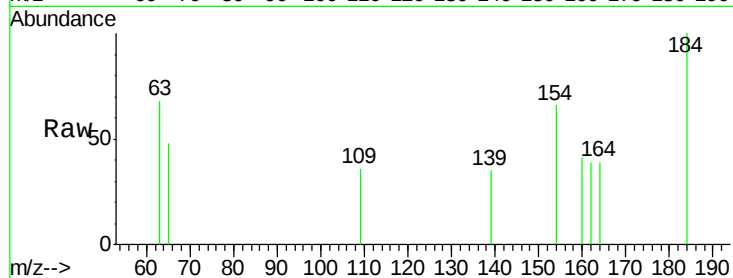




#21
2,4-Dinitrophenol
Concen: 0.91 ng
RT: 14.29 min Scan# 683
Delta R.T. 0.00 min
Lab File: BM001237.D
Acq: 07 May 2015 03:50

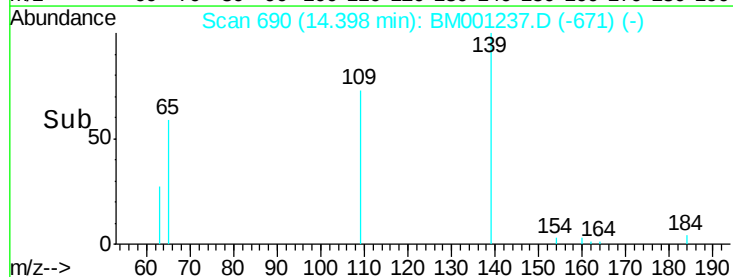
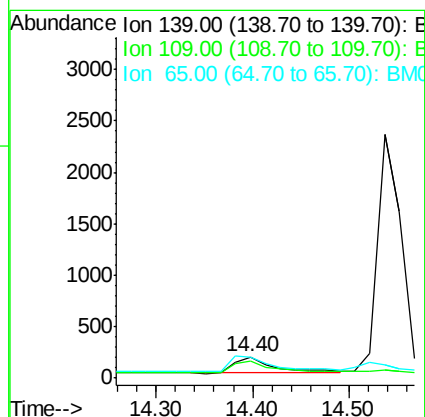
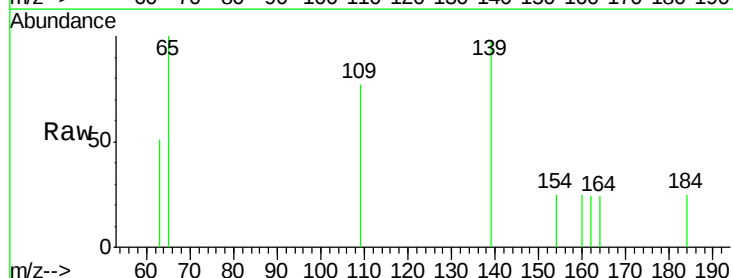
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

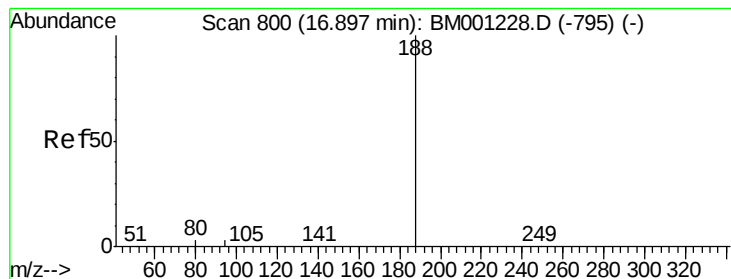
Tot Ion:184 Resp: 250
Ion Ratio Lower Upper
184 100
63 67.9 52.0 78.0
154 66.4 51.4 77.2



#22
4-Nitrophenol
Concen: 1.04 ng
RT: 14.40 min Scan# 690
Delta R.T. 0.00 min
Lab File: BM001237.D
Acq: 07 May 2015 03:50

Tgt Ion:139 Resp: 465
Ion Ratio Lower Upper
139 100
109 78.9 60.0 100.0
65 102.5 85.7 125.7





#23

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.90 min Scan# 800

Delta R.T. -0.00 min

Lab File: BM001237.D

Acq: 07 May 2015 03:50

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

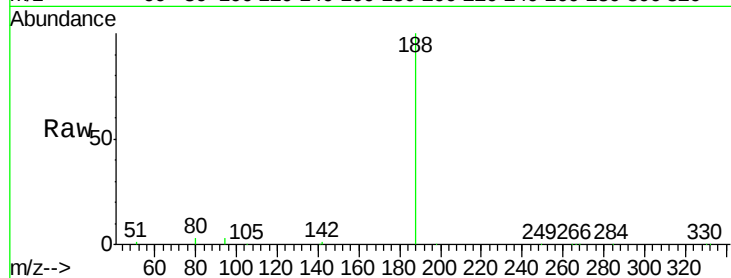
Tot Ion:188 Resp: 44187

Ion Ratio Lower Upper

188 100

94 3.5 2.9 4.3

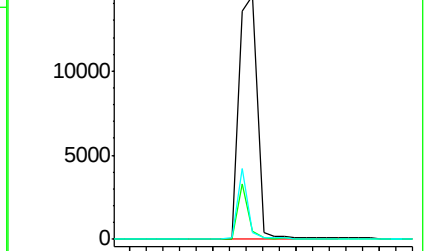
80 2.9 2.5 3.7



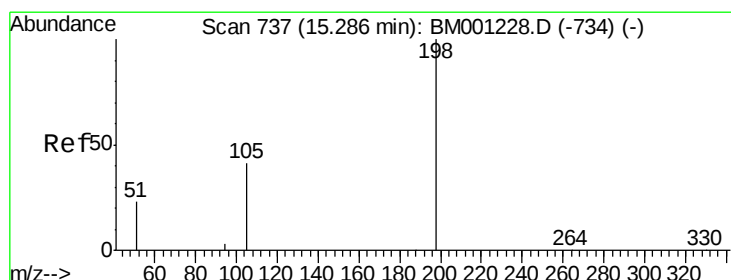
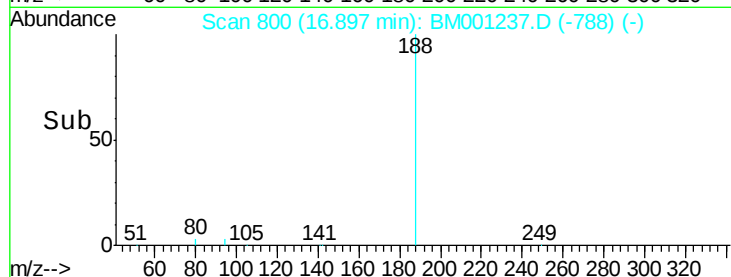
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



Time-->



#24

4,6-Dinitro-2-methylphenol

Concen: 0.94 ng

RT: 15.29 min Scan# 737

Delta R.T. 0.00 min

Lab File: BM001237.D

Acq: 07 May 2015 03:50

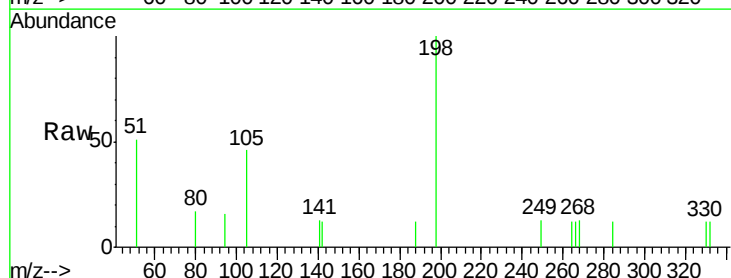
Tgt Ion:198 Resp: 641

Ion Ratio Lower Upper

198 100

51 51.0 60.8 100.8#

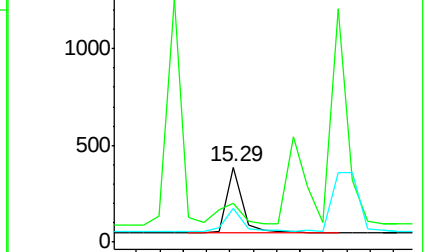
105 45.6 30.0 70.0



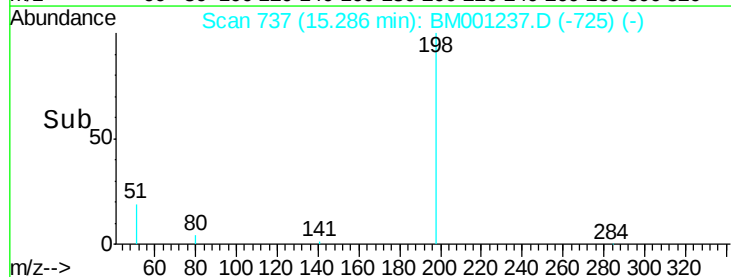
Abundance Ion 198.00 (197.70 to 198.70): E

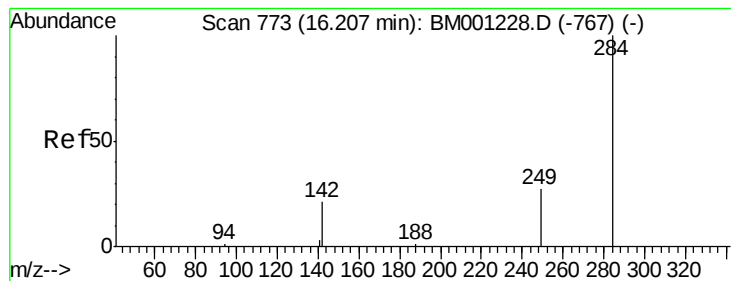
Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E



Time-->





#25

Hexachlorobenzene

Concen: 1.04 ng

RT: 16.21 min Scan# 773

Delta R.T. -0.00 min

Lab File: BM001237.D

Acq: 07 May 2015 03:50

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

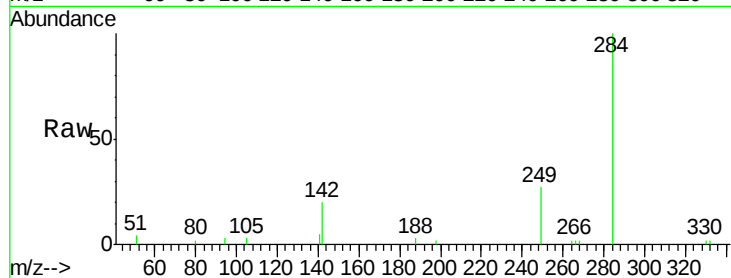
Tot Ion:284 Resp: 3381

Ion Ratio Lower Upper

284 100

142 28.5 23.3 34.9

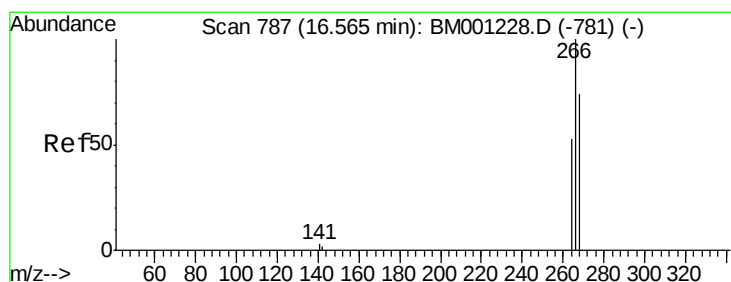
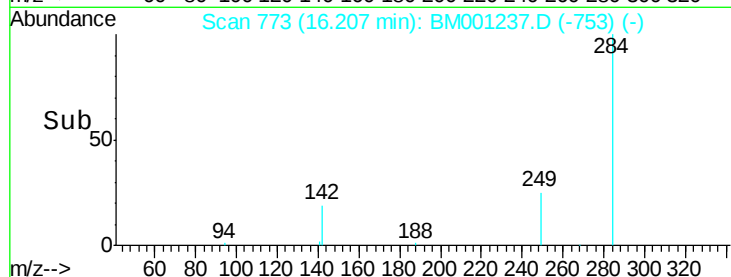
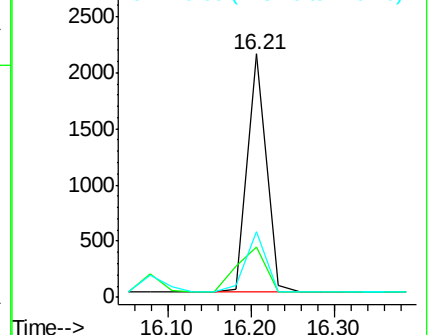
249 27.4 23.3 34.9



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#26

Pentachlorophenol

Concen: 1.01 ng

RT: 16.56 min Scan# 787

Delta R.T. 0.00 min

Lab File: BM001237.D

Acq: 07 May 2015 03:50

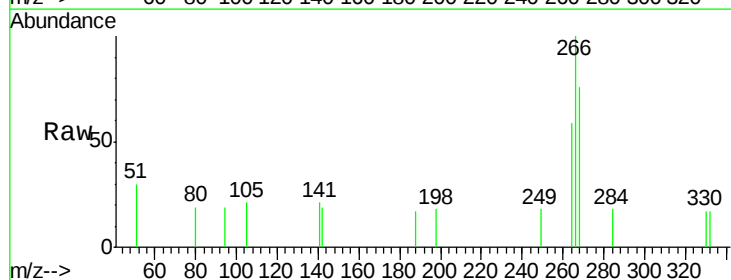
Tgt Ion:266 Resp: 632

Ion Ratio Lower Upper

266 100

268 75.8 62.6 94.0

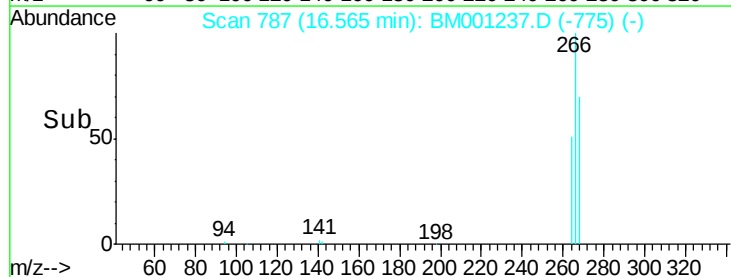
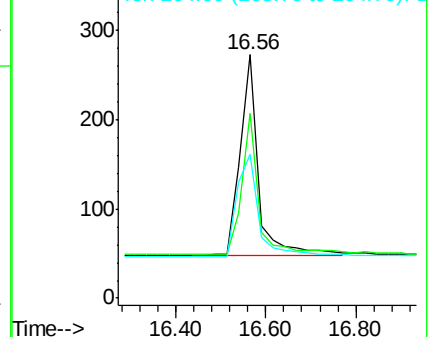
264 59.0 47.9 71.9

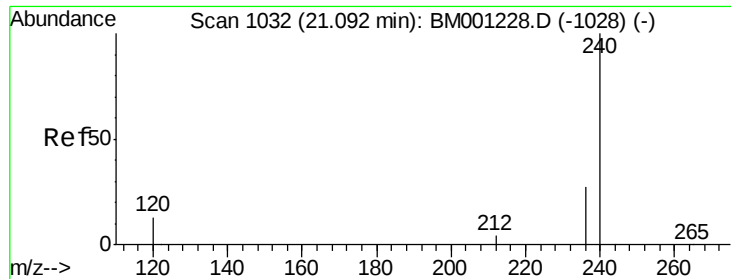


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

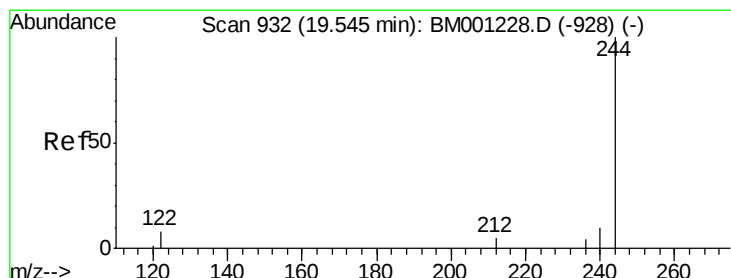
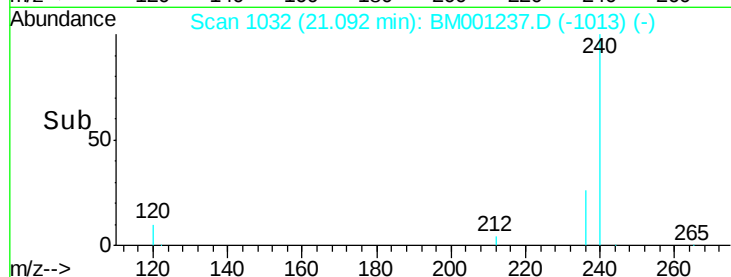
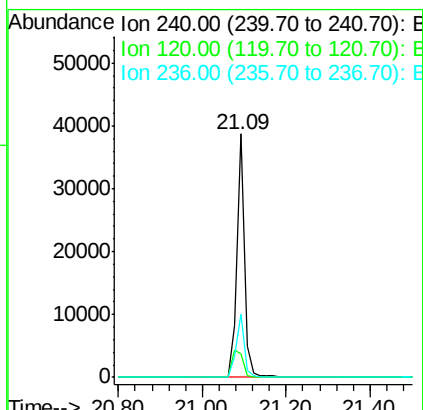
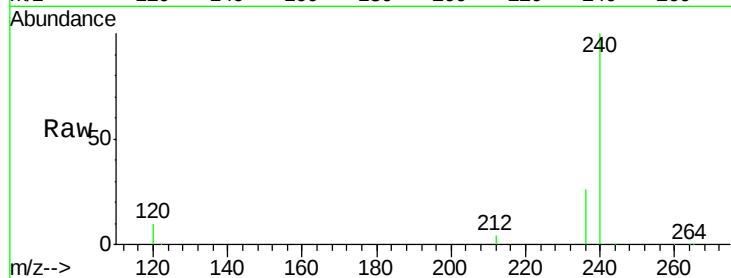




#27
Chrysene-d12
Concen: 5.00 ng
RT: 21.09 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BM001237.D
Acq: 07 May 2015 03:50

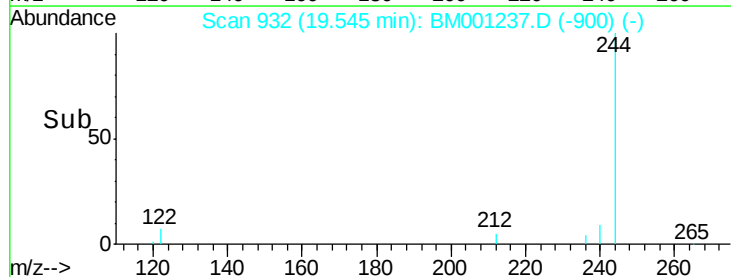
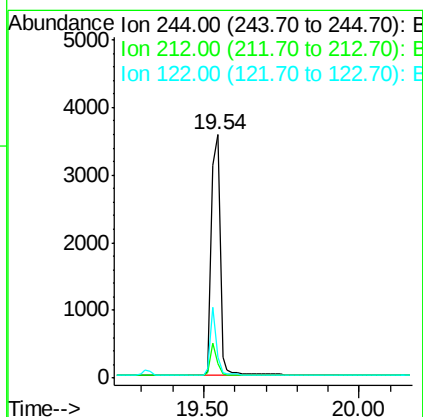
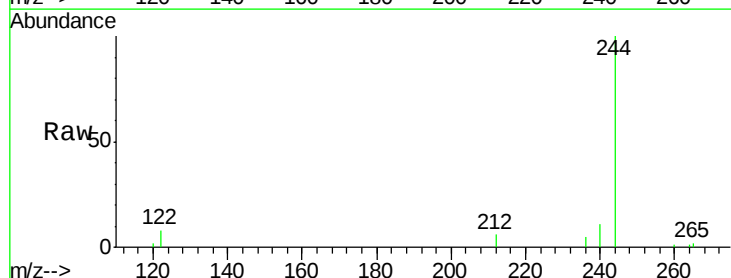
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

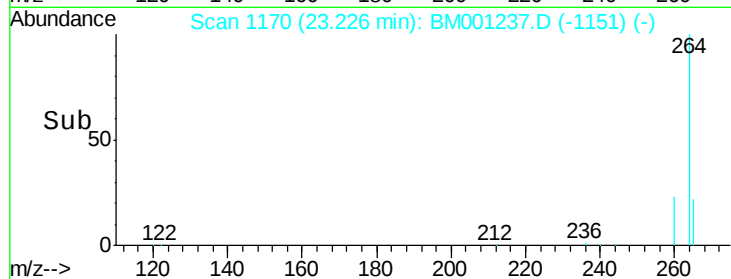
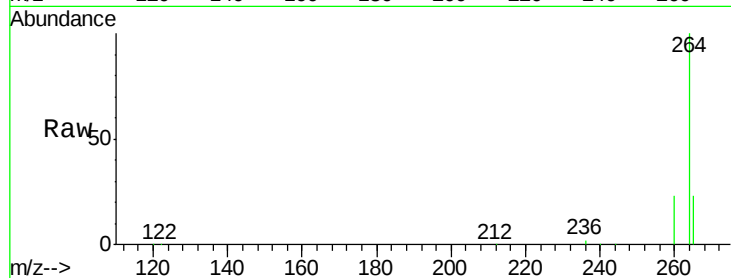
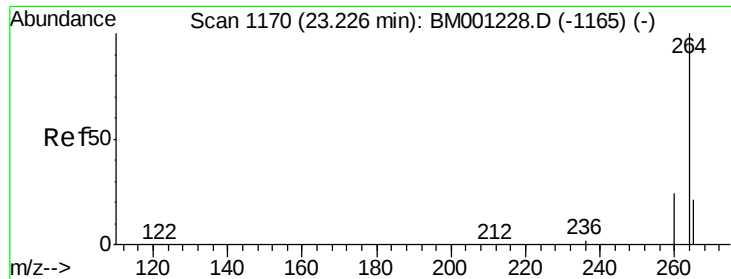
Tot Ion:240 Resp: 49848
Ion Ratio Lower Upper
240 100
120 9.8 10.4 15.6#
236 25.8 22.0 33.0



#28
Terphenyl-d14
Concen: 1.03 ng
RT: 19.54 min Scan# 932
Delta R.T. -0.00 min
Lab File: BM001237.D
Acq: 07 May 2015 03:50

Tgt Ion:244 Resp: 6753
Ion Ratio Lower Upper
244 100
212 9.4 7.3 10.9
122 19.3 14.8 22.2





#29

Pervlene-d12

Concen: 5.00 ng

RT: 23.23 min Scan# 1170

Delta R.T. -0.00 min

Lab File: BM001237.D

Acq: 07 May 2015 03:50

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

Tot Ion:264 Resp: 46081

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.7	29.5
265	23.1	17.4	26.2

264 100

260 23.4 19.7 29.5

265 23.1 17.4 26.2

