

Data Path : Z:\HPCHEM1\BNA M\DATA\BM050615\
 Data File : BM001233.D
 Acq On : 07 May 2015 00:52
 Operator : TP/IZ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM050615

Quant Time: May 07 07:18:55 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	19960	5.00	ng	0.00
9) Naphthalene-d8	10.26	136	60832	5.00	ng	0.00
16) Acenaphthene-d10	14.15	164	32465	5.00	ng	0.00
23) Phenanthrene-d10	16.90	188	59230	5.00	ng	0.00
27) Chrysene-d12	21.09	240	68246	5.00	ng	0.00
29) Perylene-d12	23.23	264	63425	5.00	ng	0.00

System Monitoring Compounds						
3) 2-Fluorophenol	5.06	112	3416	1.05	ng	0.00
4) Phenol-d6	6.65	99	4755	1.02	ng	0.00
10) Nitrobenzene-d5	8.61	82	3659	1.00	ng	0.00
17) 2,4,6-Tribromophenol	15.64	330	1335	0.95	ng	0.00
20) 2-Fluorobiphenyl	12.76	172	10439	1.03	ng	0.00
28) Terphenyl-d14	19.55	244	9019	1.00	ng	0.00

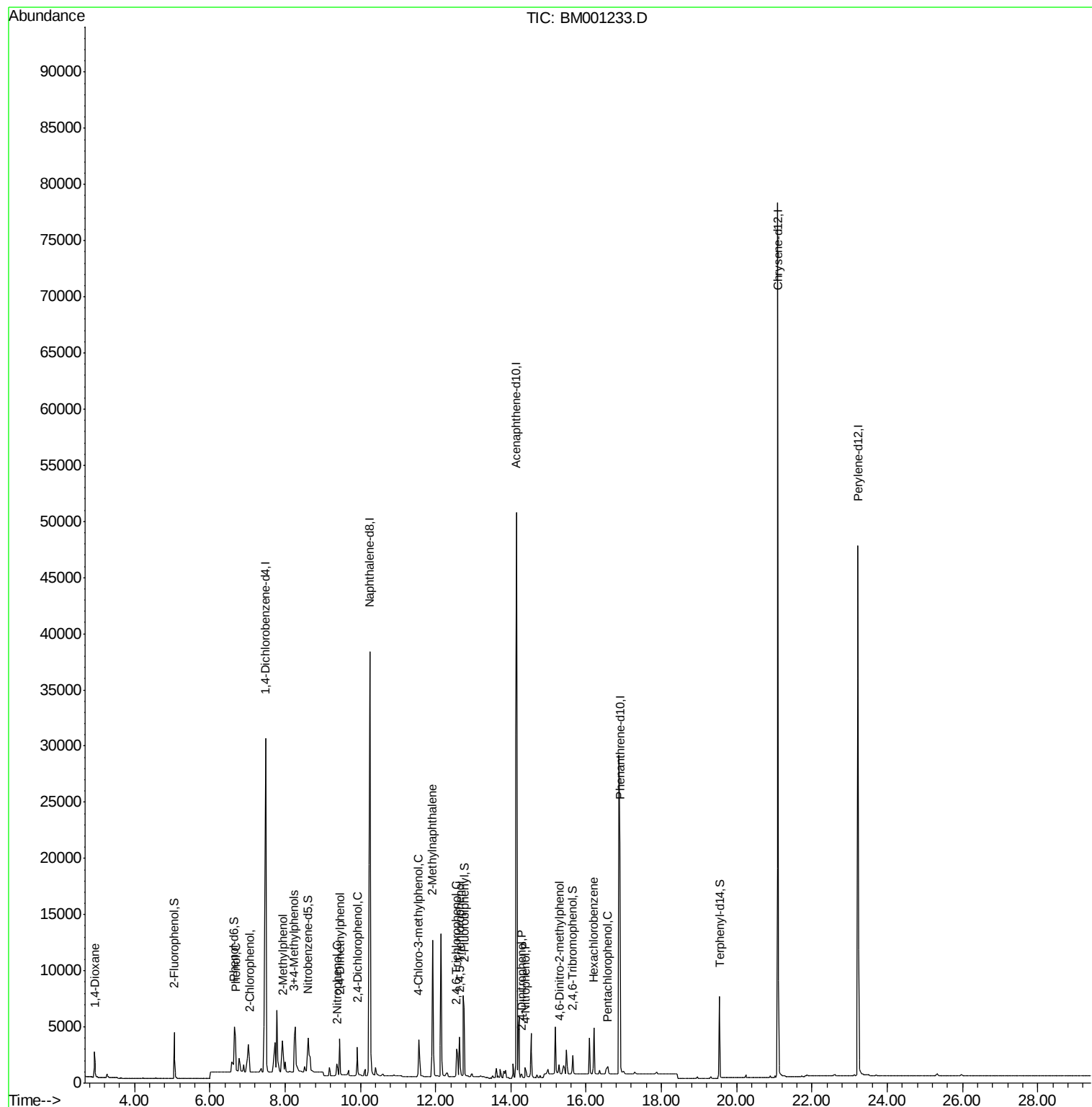
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.94	88	1326	1.02	ng	99
5) 2-Chlorophenol	7.05	128	2888	1.02	ng	99
6) Phenol	6.68	94	4387	0.99	ng	94
7) 2-Methylphenol	7.94	107	2342	1.00	ng	97
8) 3+4-Methylphenols	8.24	107	3353	1.03	ng	# 40
11) 2-Nitrophenol	9.39	139	1344	0.95	ng	94
12) 2,4-Dimethylphenol	9.46	122	2952	1.01	ng	97
13) 2,4-Dichlorophenol	9.92	162	3011	1.01	ng	97
14) 4-Chloro-3-methylphenol	11.55	107	3075	0.96	ng	91
15) 2-Methylnaphthalene	11.92	142	8947	1.03	ng	100
18) 2,4,6-Trichlorophenol	12.56	196	2383	0.97	ng	96
19) 2,4,5-Trichlorophenol	12.64	196	2712	0.96	ng	93
21) 2,4-Dinitrophenol	14.29	184	363	0.95	ng	91
22) 4-Nitrophenol	14.38	139	737	1.09	ng	# 85
24) 4,6-Dinitro-2-methylphenol	15.29	198	894	0.96	ng	# 72
25) Hexachlorobenzene	16.21	284	4503	1.03	ng	98
26) Pentachlorophenol	16.56	266	870	1.02	ng	98

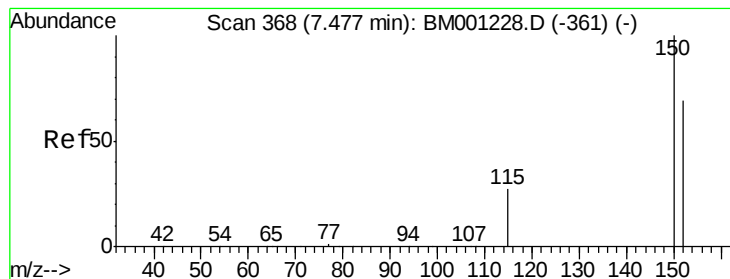
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001233.D

Acq: 07 May 2015 00:52

Instrument :

BNA_M

ClientSampleId :

ICVBM050615

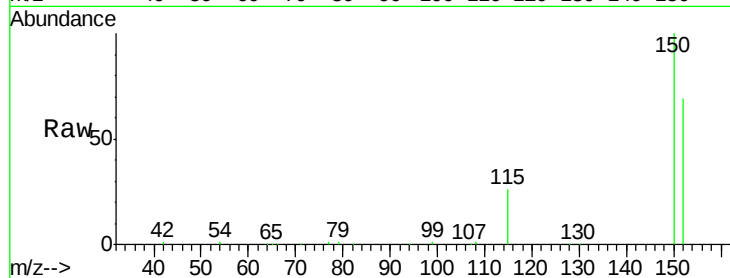
Tot Ion:152 Resp: 19960

Ion Ratio Lower Upper

152 100

150 144.3 116.3 174.5

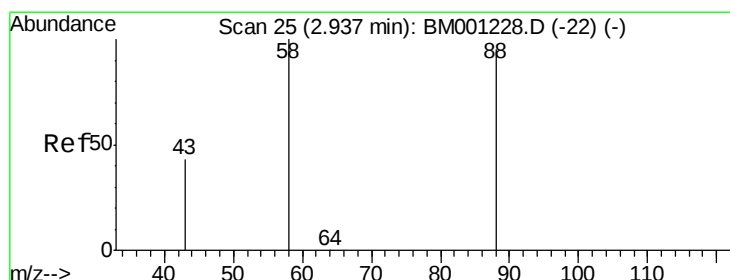
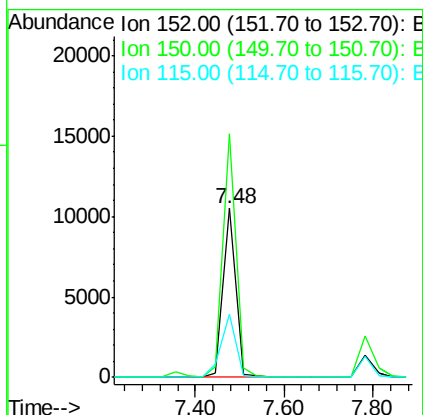
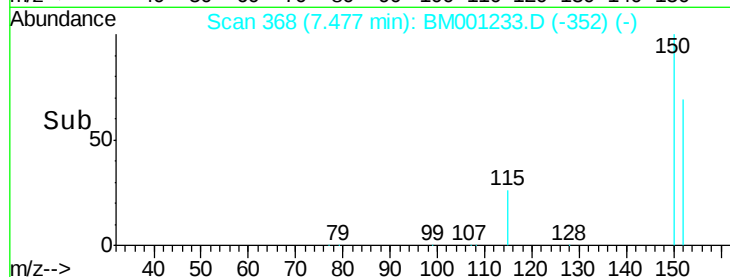
115 37.6 31.9 47.9



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: BM001233.D

Acq: 07 May 2015 00:52

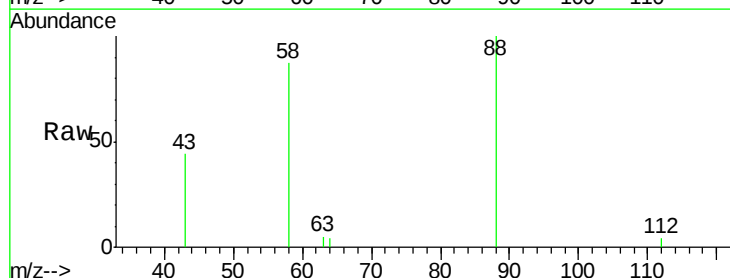
Tgt Ion: 88 Resp: 1326

Ion Ratio Lower Upper

88 100

58 94.6 75.5 113.3

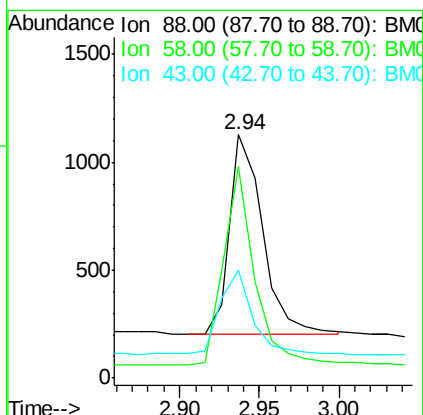
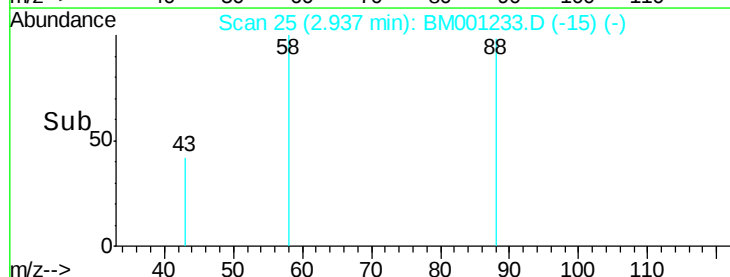
43 41.9 32.7 49.1

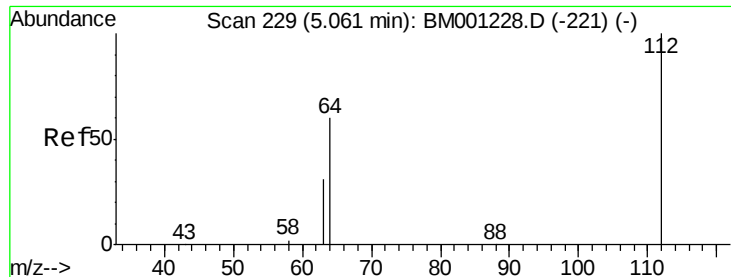


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

2-Fluorophenol

Concen: 1.05 ng

RT: 5.06 min Scan# 229

Delta R.T. 0.00 min

Lab File: BM001233.D

Acq: 07 May 2015 00:52

Instrument :

BNA_M

ClientSampleId :

ICVBM050615

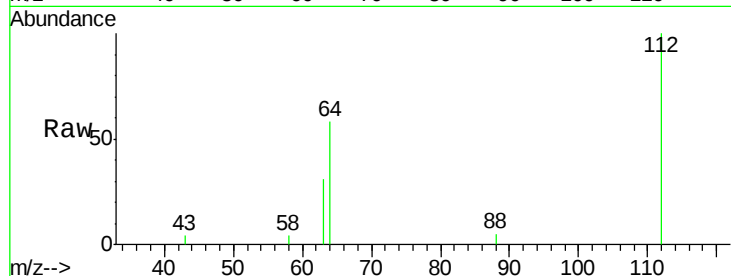
Tot Ion:112 Resp: 3416

Ion Ratio Lower Upper

112 100

64 57.6 49.3 73.9

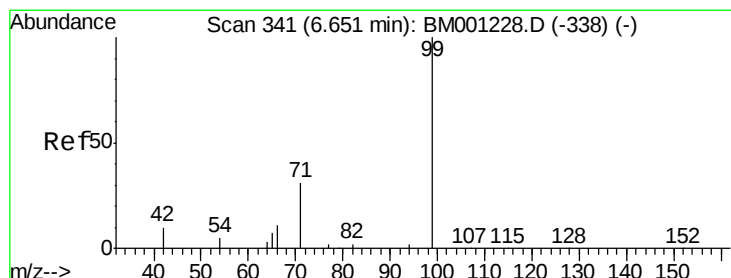
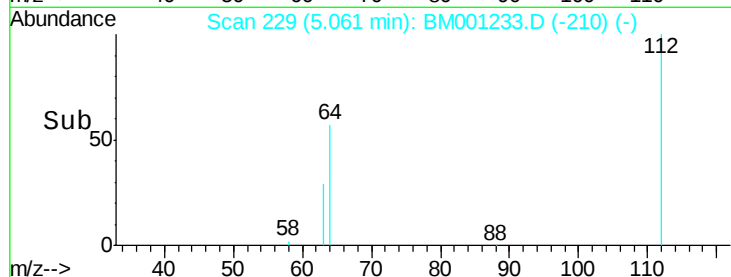
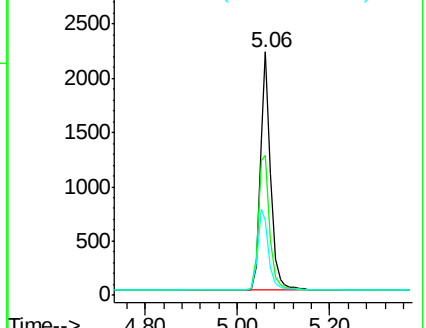
63 30.5 26.2 39.4



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



#4

Phenol-d6

Concen: 1.02 ng

RT: 6.65 min Scan# 341

Delta R.T. 0.00 min

Lab File: BM001233.D

Acq: 07 May 2015 00:52

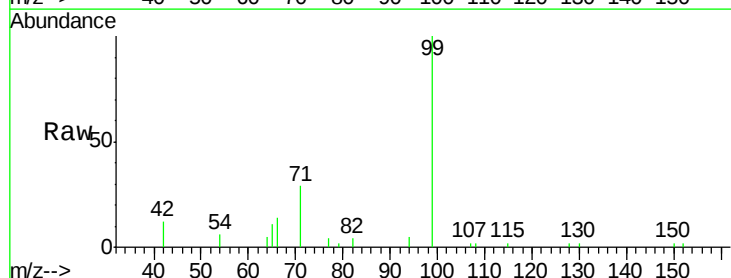
Tgt Ion: 99 Resp: 4755

Ion Ratio Lower Upper

99 100

42 11.7 12.1 18.1#

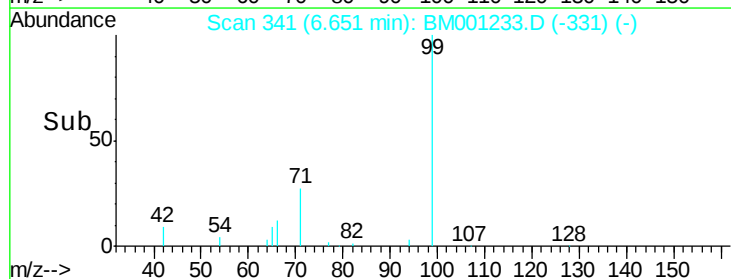
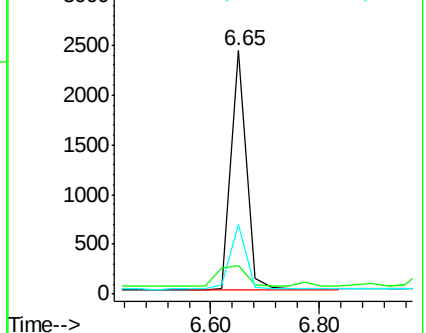
71 28.5 26.4 39.6

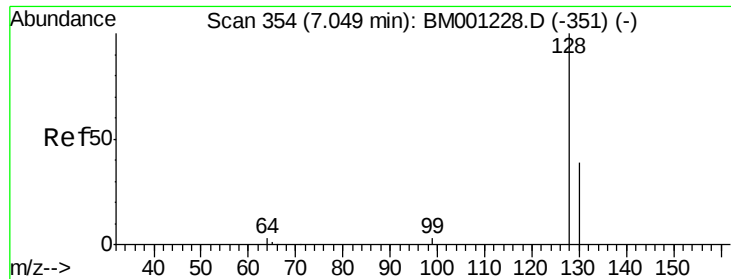


Abundance Ion 99.00 (98.70 to 99.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 71.00 (70.70 to 71.70): BM0





#5

2-Chlorophenol

Concen: 1.02 ng

RT: 7.05 min Scan# 354

Delta R.T. 0.00 min

Lab File: BM001233.D

Acq: 07 May 2015 00:52

Instrument :

BNA_M

ClientSampleId :

ICVBM050615

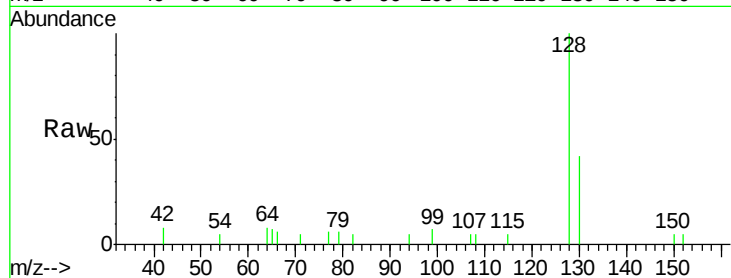
Tot Ion:128 Resp: 2888

Ion Ratio Lower Upper

128 100

130 42.3 22.2 62.2

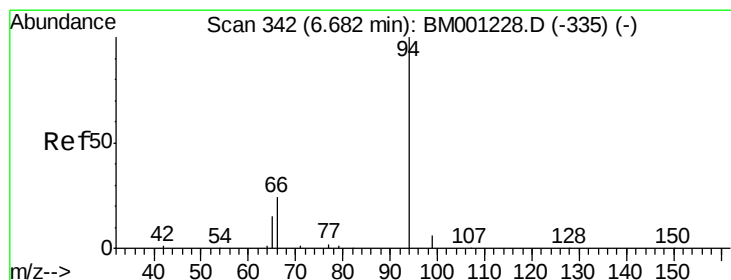
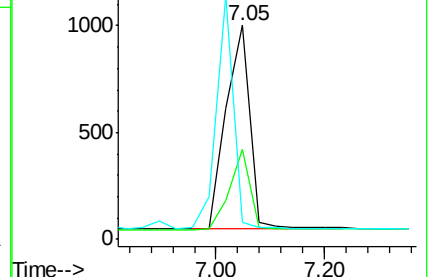
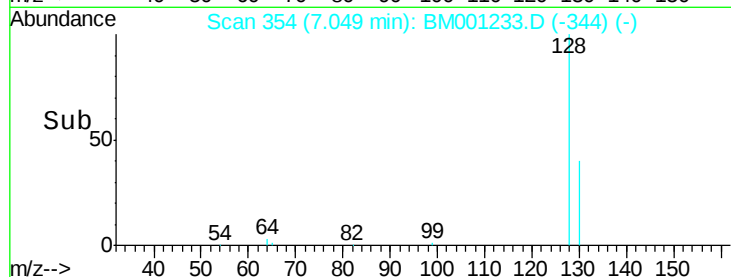
64 7.8 0.0 28.7



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



#6

Phenol

Concen: 0.99 ng

RT: 6.68 min Scan# 342

Delta R.T. 0.00 min

Lab File: BM001233.D

Acq: 07 May 2015 00:52

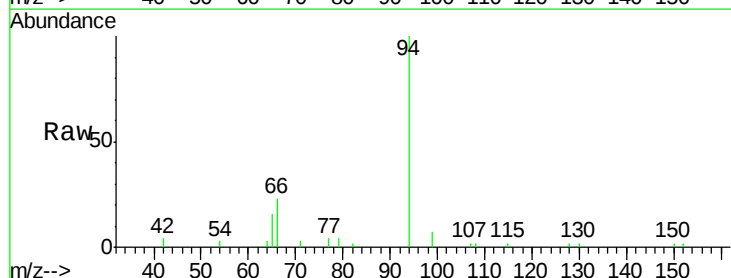
Tgt Ion: 94 Resp: 4387

Ion Ratio Lower Upper

94 100

65 15.7 0.0 37.7

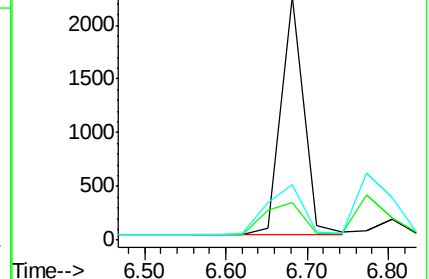
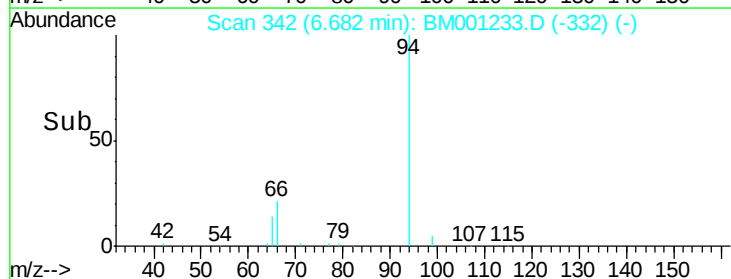
66 23.0 6.3 46.3

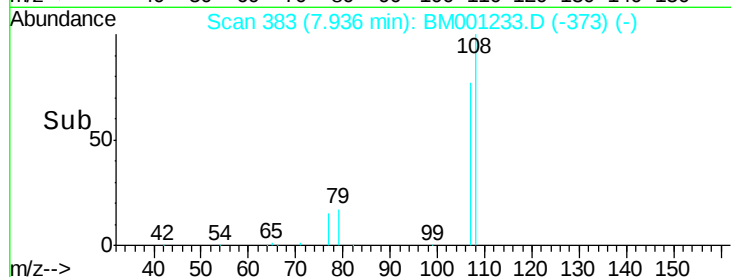
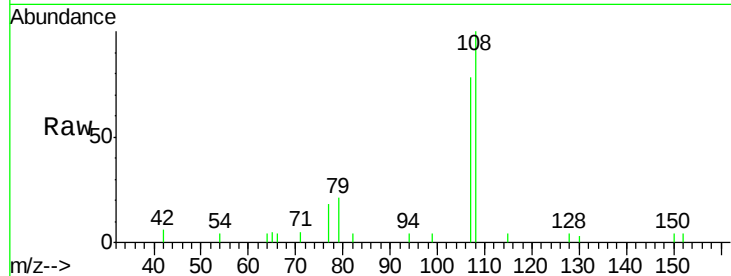
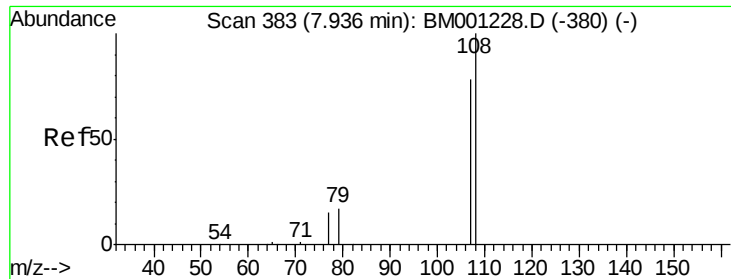


Abundance Ion 94.00 (93.70 to 94.70): B

Ion 65.00 (64.70 to 65.70): B

Ion 66.00 (65.70 to 66.70): B





#7

2-Methylphenol

Concen: 1.00 ng

RT: 7.94 min Scan# 383

Delta R.T. 0.00 min

Lab File: BM001233.D

Acq: 07 May 2015 00:52

Instrument :

BNA_M

ClientSampleId :

ICVBM050615

Tot Ion:107 Resp: 2342

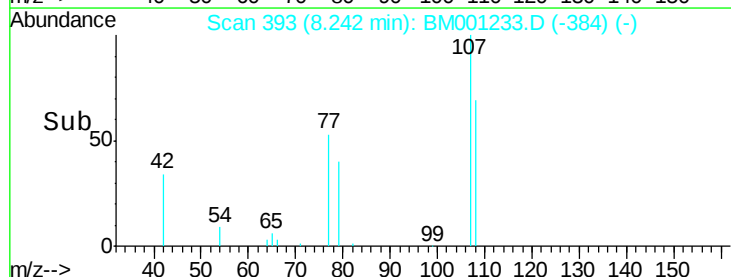
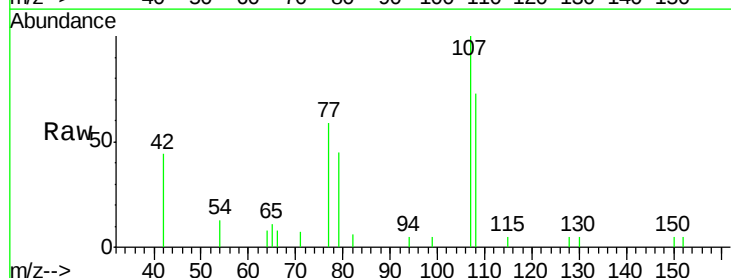
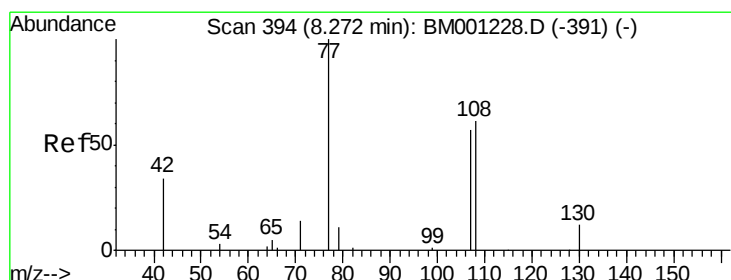
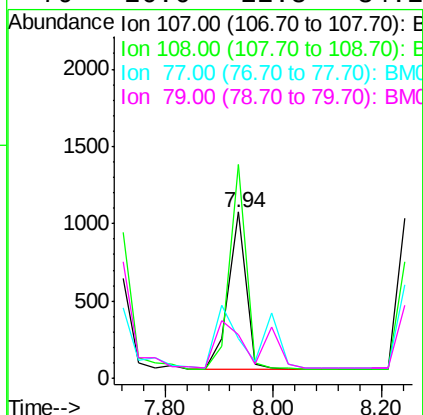
Ion Ratio Lower Upper

107 100

108 128.6 100.9 151.3

77 23.6 20.3 30.5

79 26.6 22.8 34.2



#8

3+4-Methylphenols

Concen: 1.03 ng

RT: 8.24 min Scan# 393

Delta R.T. -0.03 min

Lab File: BM001233.D

Acq: 07 May 2015 00:52

Tgt Ion:107 Resp: 3353

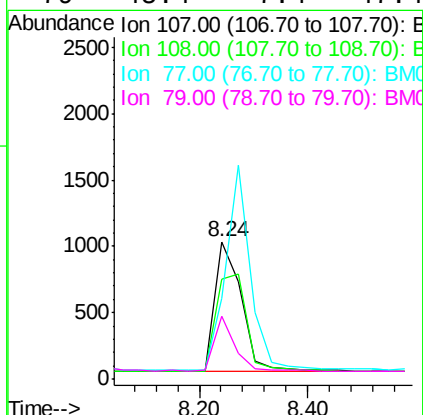
Ion Ratio Lower Upper

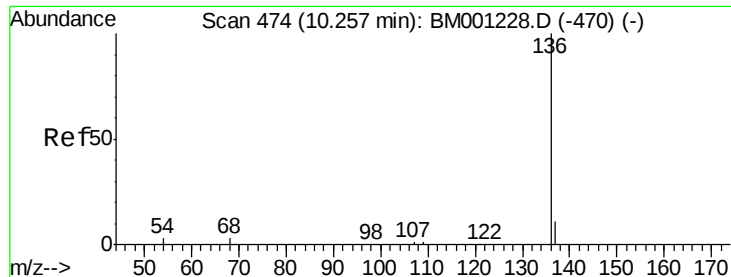
107 100

108 72.9 86.3 126.3#

77 58.6 151.7 191.7#

79 45.4 7.4 47.4

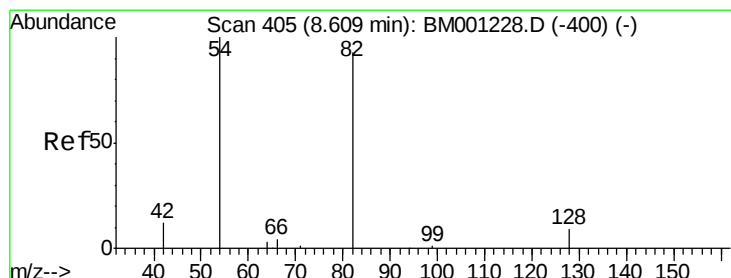
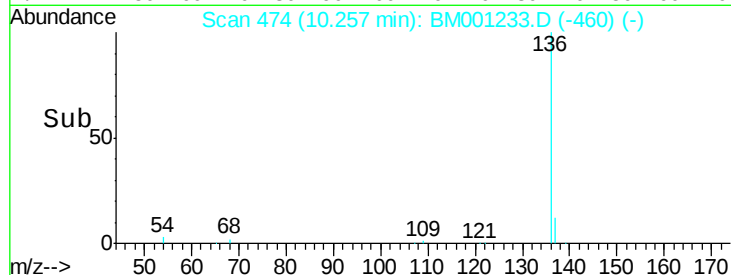
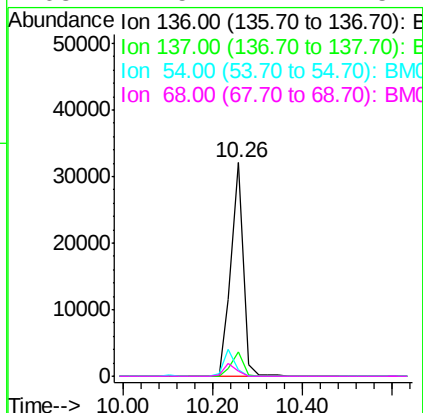
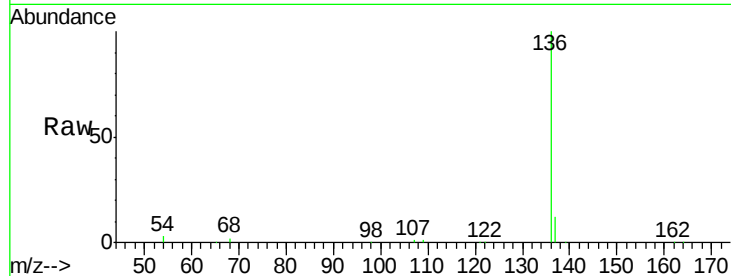




#9
Naphthalene-d8
Concen: 5.00 ng
RT: 10.26 min Scan# 474
Delta R.T. 0.00 min
Lab File: BM001233.D
Acq: 07 May 2015 00:52

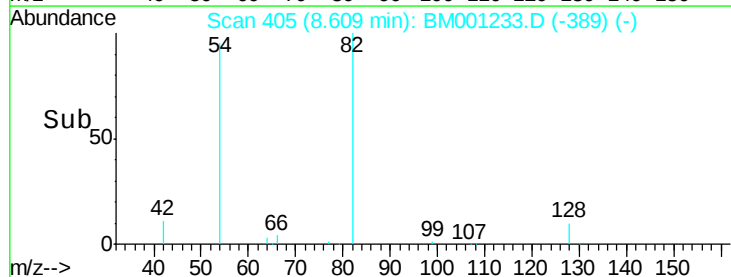
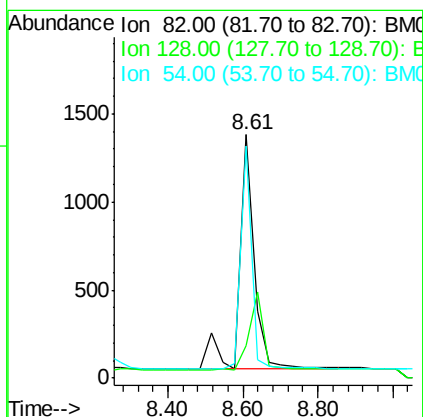
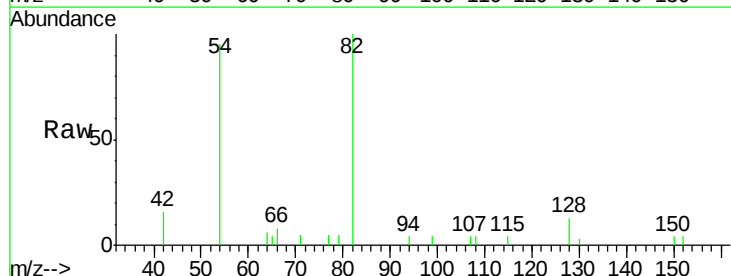
Instrument :
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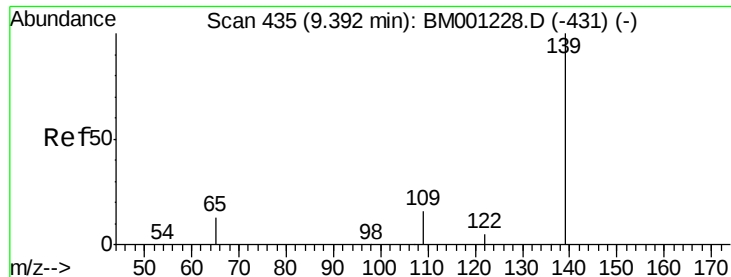
Tot Ion:136	Resp: 60832
Ion Ratio	Lower Upper
136 100	
137 11.6	9.1 13.7
54 2.8	2.6 3.8
68 2.5	2.2 3.2



#10
Nitrobenzene-d5
Concen: 1.00 ng
RT: 8.61 min Scan# 405
Delta R.T. 0.00 min
Lab File: BM001233.D
Acq: 07 May 2015 00:52

Tgt Ion: 82	Resp: 3659
Ion Ratio	Lower Upper
82 100	
128 0.0	0.0 0.0
54 70.6	59.0 88.6

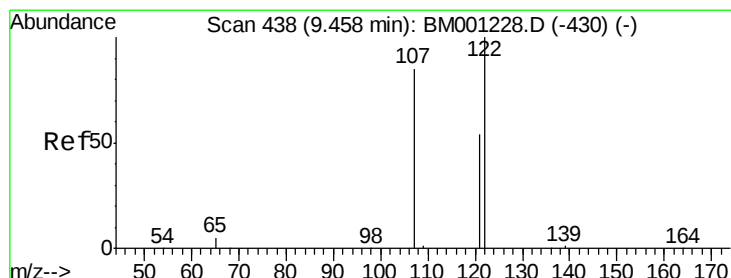
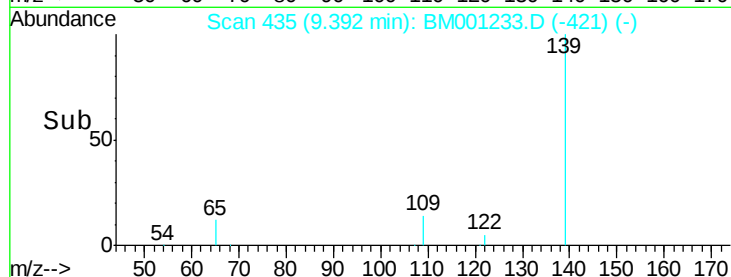
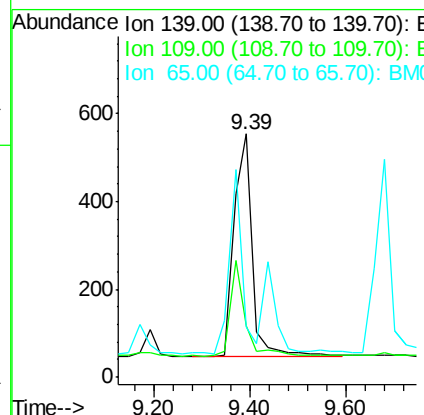
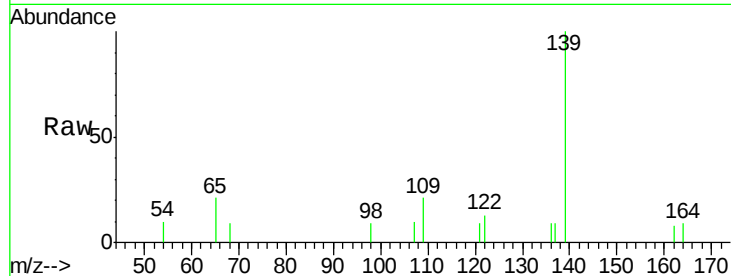




#11
2-Nitrophenol
Concen: 0.95 ng
RT: 9.39 min Scan# 435
Delta R.T. 0.00 min
Lab File: BM001233.D
Acq: 07 May 2015 00:52

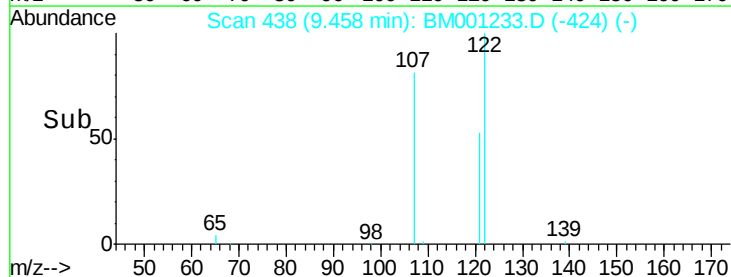
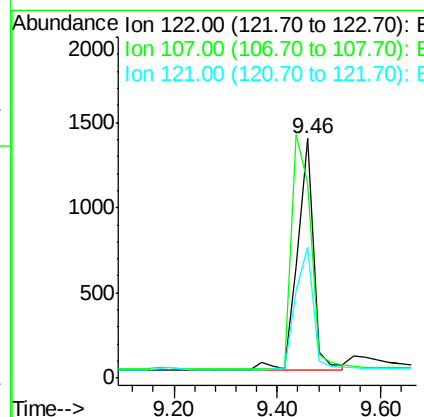
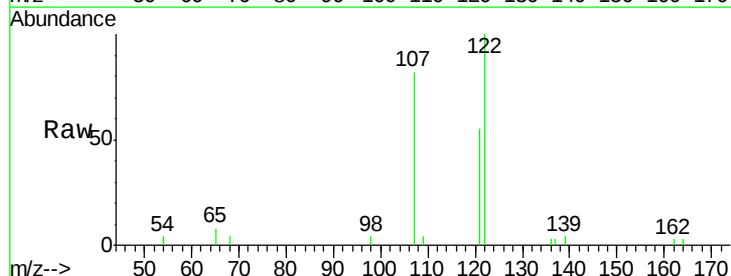
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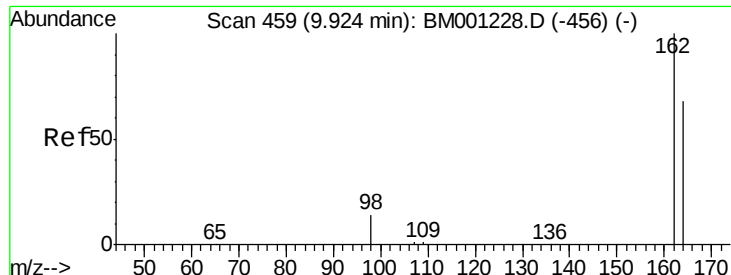
Tot Ion	Ratio	Lower	Upper
139	100		
109	21.3	19.5	29.3
65	20.8	18.6	28.0



#12
2,4-Dimethylphenol
Concen: 1.01 ng
RT: 9.46 min Scan# 438
Delta R.T. 0.00 min
Lab File: BM001233.D
Acq: 07 May 2015 00:52

Tgt Ion	Ratio	Lower	Upper
122	100		
107	81.7	68.6	102.8
121	54.9	44.8	67.2

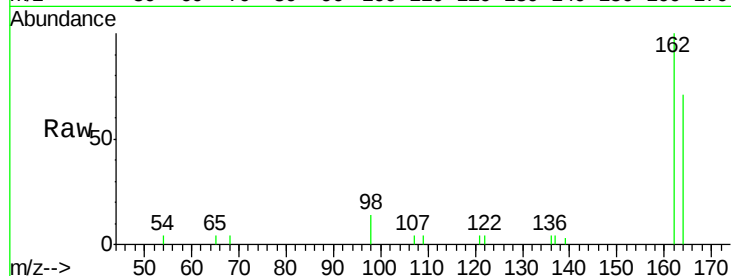




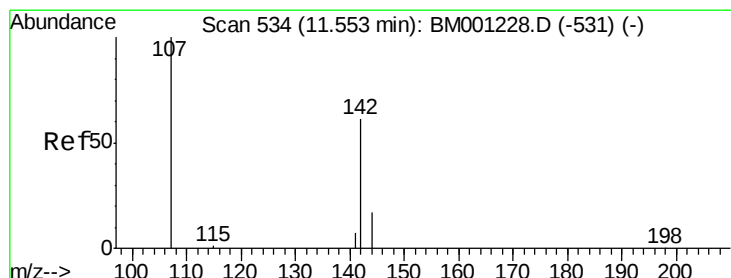
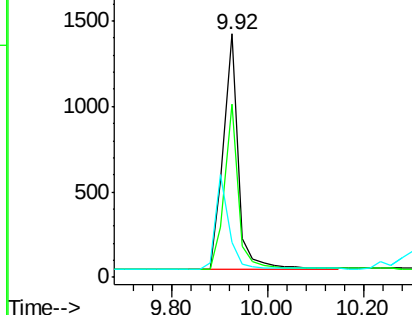
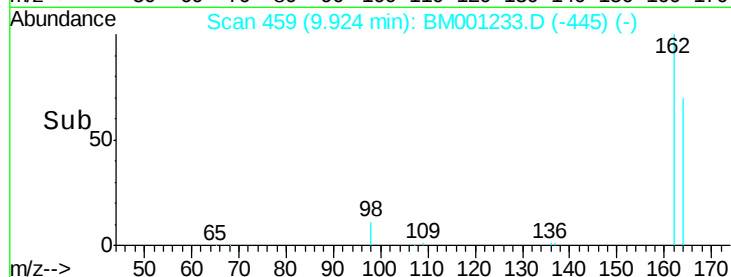
#13
 2,4-Dichlorophenol
 Concen: 1.01 ng
 RT: 9.92 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: BM001233.D
 Acq: 07 May 2015 00:52

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM050615

Tot Ion	Ratio	Lower	Upper
162	100		
164	71.2	49.2	89.2
98	14.3	0.0	37.4

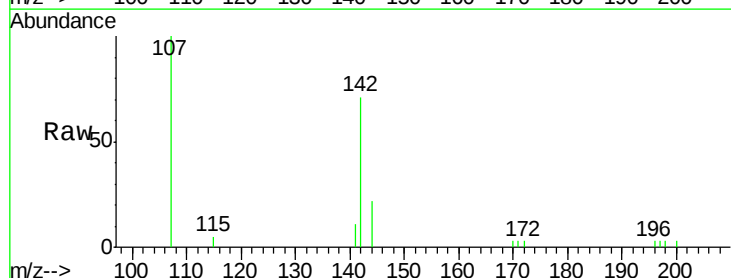


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BM

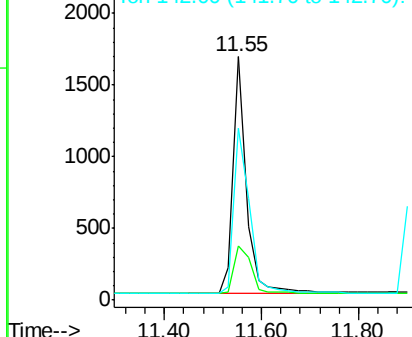
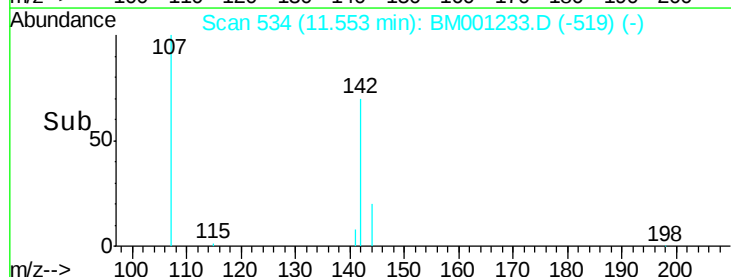


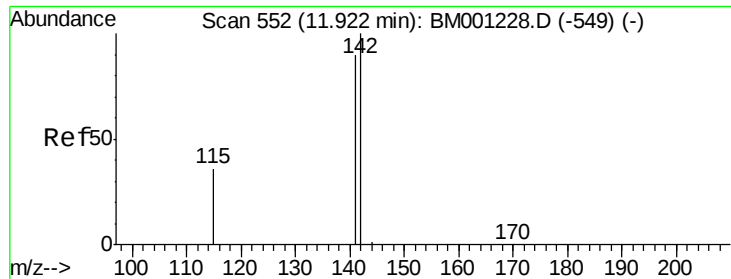
#14
 4-Chloro-3-methylphenol
 Concen: 0.96 ng
 RT: 11.55 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: BM001233.D
 Acq: 07 May 2015 00:52

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.1	16.2	24.2
142	70.6	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

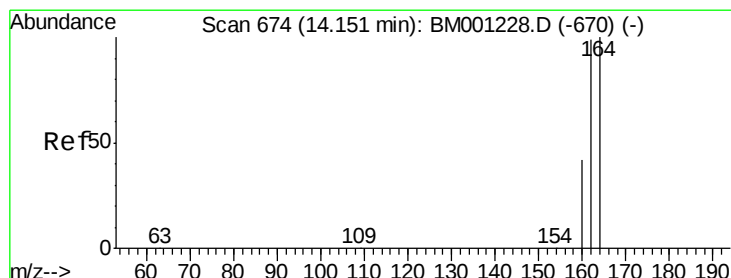
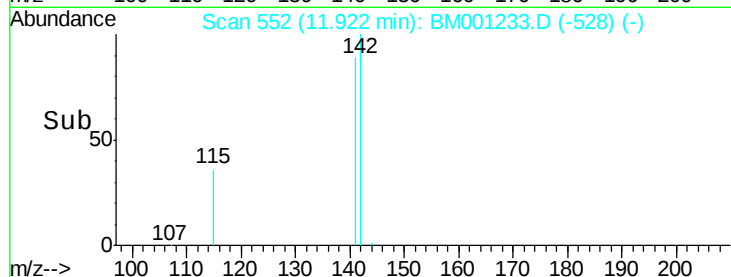
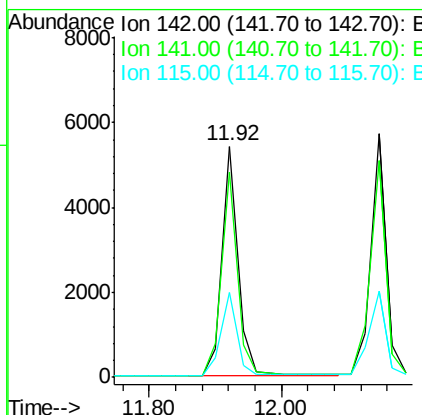
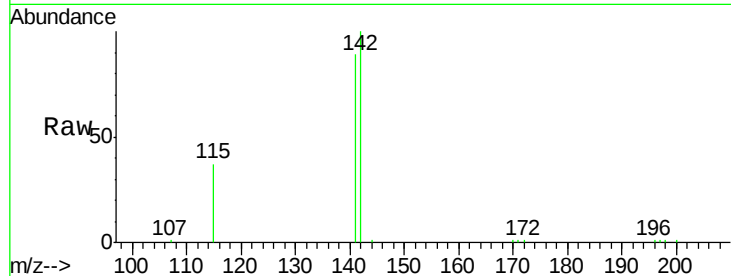




#15
2-Methylnaphthalene
Concen: 1.03 ng
RT: 11.92 min Scan# 552
Delta R.T. 0.00 min
Lab File: BM001233.D
Acq: 07 May 2015 00:52

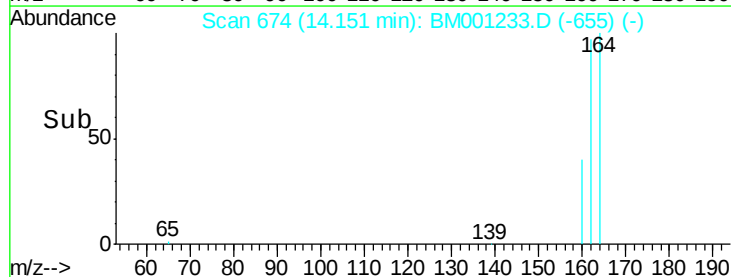
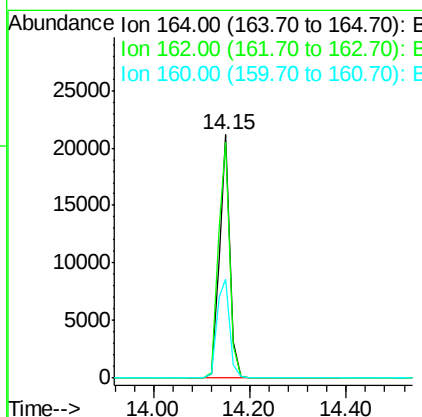
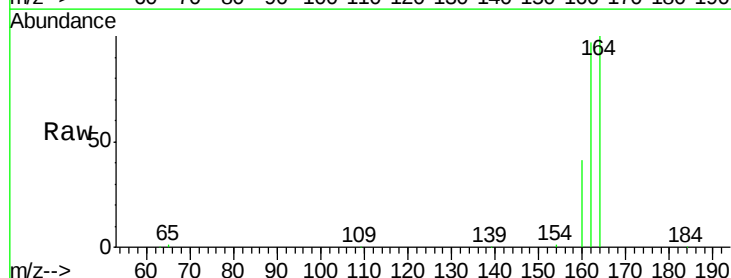
Instrument :
BNA_M
ClientSampleId :
ICVBM050615

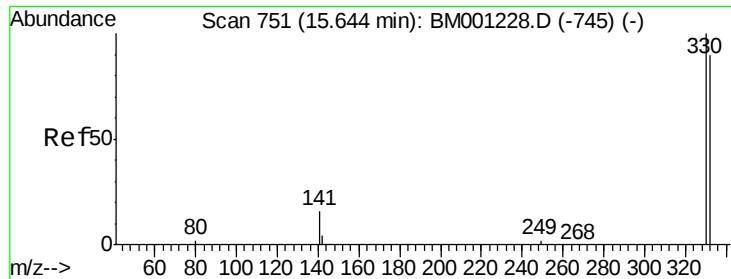
Tot Ion:142 Resp: 8947
Ion Ratio Lower Upper
142 100
141 88.8 71.4 107.0
115 36.9 29.3 43.9



#16
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.15 min Scan# 674
Delta R.T. 0.00 min
Lab File: BM001233.D
Acq: 07 May 2015 00:52

Tgt Ion:164 Resp: 32465
Ion Ratio Lower Upper
164 100
162 96.7 79.2 118.8
160 40.5 33.7 50.5

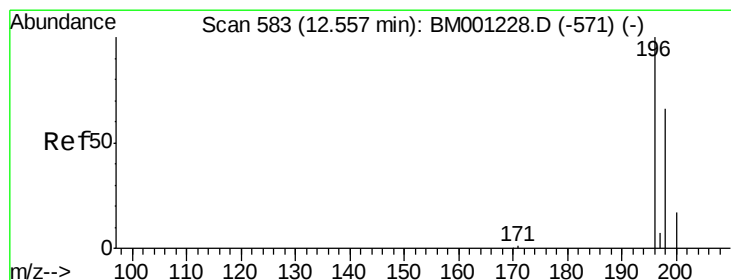
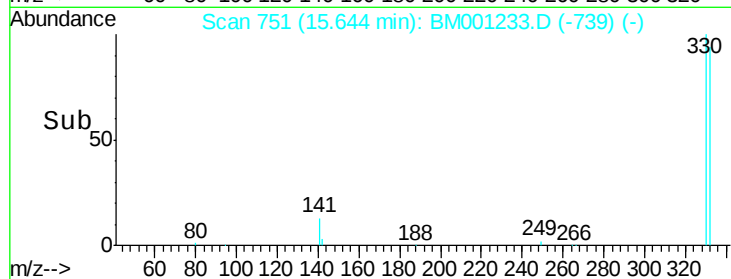
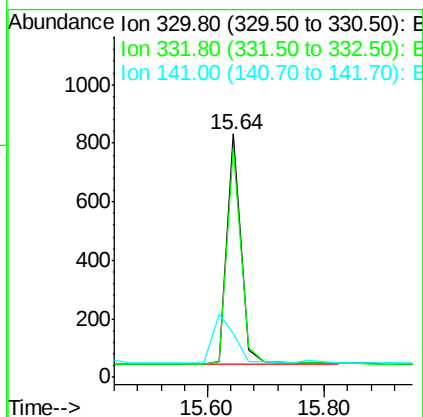
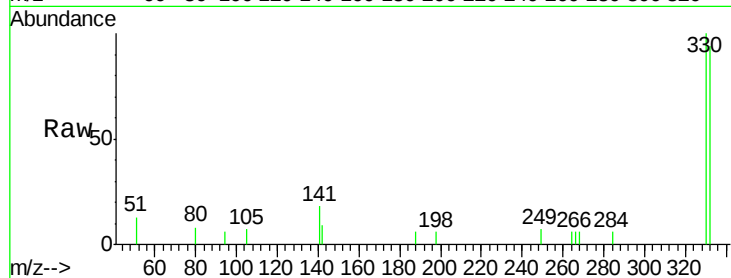




#17
 2,4,6-Tribromophenol
 Concen: 0.95 ng
 RT: 15.64 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BM001233.D
 Acq: 07 May 2015 00:52

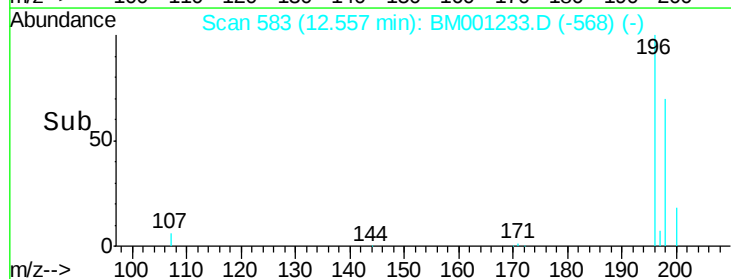
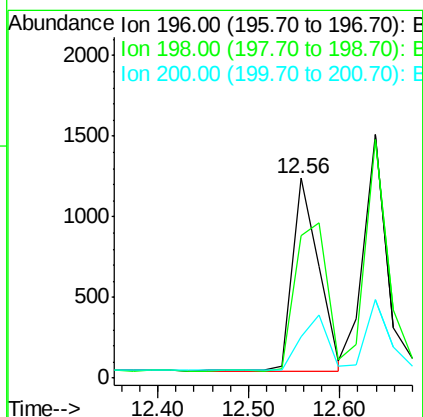
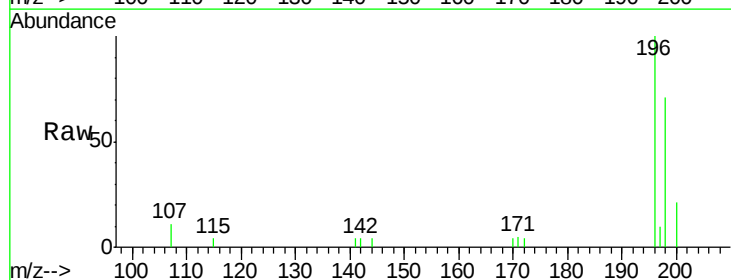
Instrument :
 BNA_M
 ClientSampleId :
 ICVBM050615

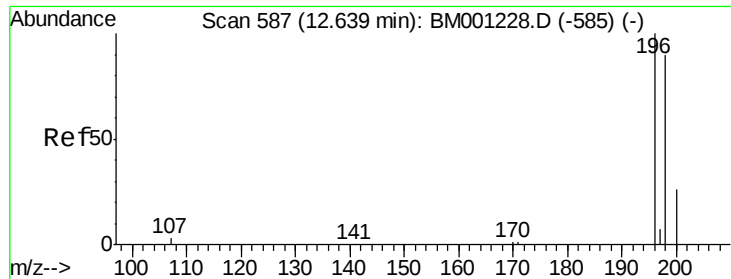
Tot Ion:330 Resp: 1335
 Ion Ratio Lower Upper
 330 100
 332 94.8 74.0 111.0
 141 0.0 24.1 36.1#



#18
 2,4,6-Trichlorophenol
 Concen: 0.97 ng
 RT: 12.56 min Scan# 583
 Delta R.T. 0.00 min
 Lab File: BM001233.D
 Acq: 07 May 2015 00:52

Tgt Ion:196 Resp: 2383
 Ion Ratio Lower Upper
 196 100
 198 71.2 54.2 81.2
 200 20.9 17.1 25.7

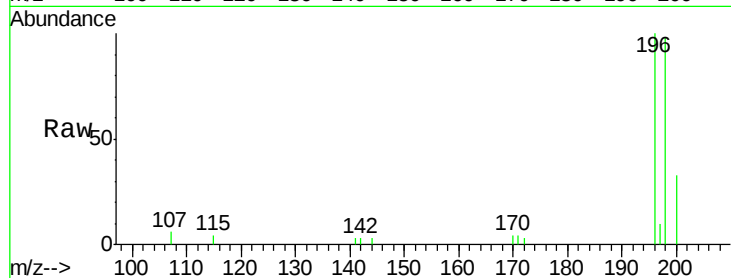




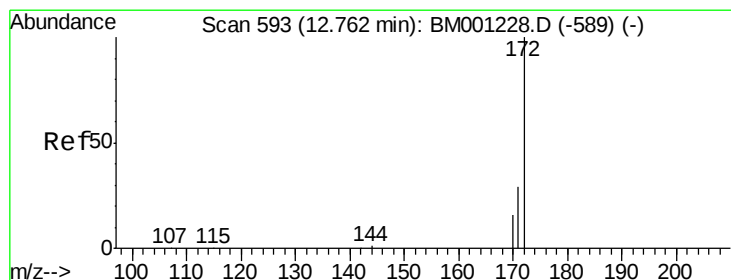
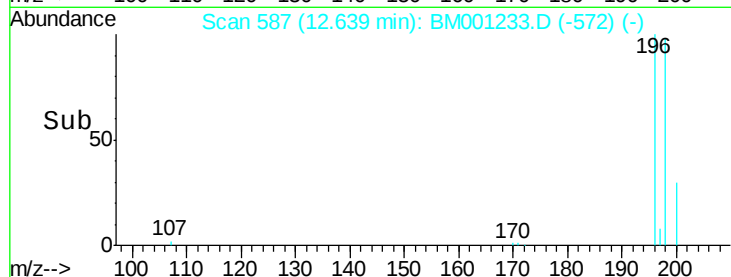
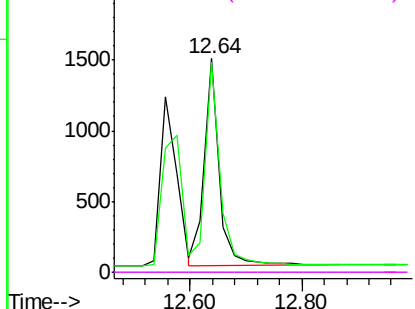
#19
 2,4,5-Trichlorophenol
 Concen: 0.96 ng
 RT: 12.64 min Scan# 587
 Delta R.T. 0.00 min
 Lab File: BM001233.D
 Acq: 07 May 2015 00:52

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM050615

Tot Ion:	196	Resp:	2712
Ion	Ratio	Lower	Upper
196	100		
198	98.2	73.6	110.4
97	0.0	0.0	0.0
132	0.0	0.0	0.0

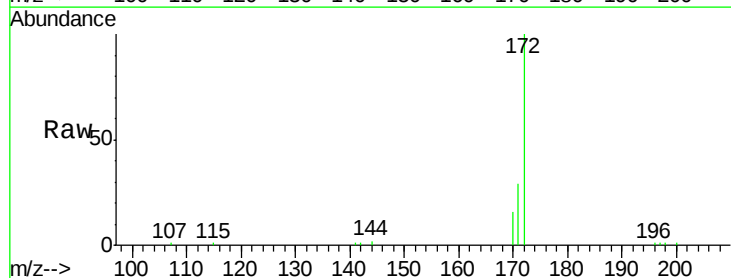


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BM
 Ion 132.00 (131.70 to 132.70): E

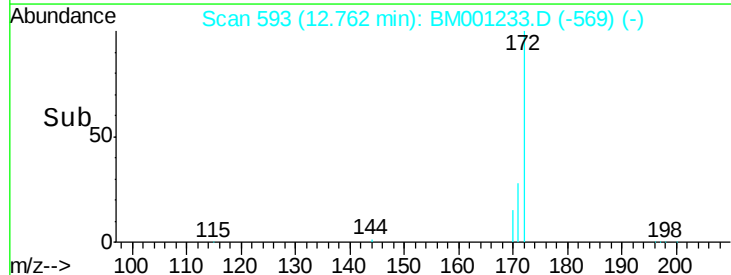
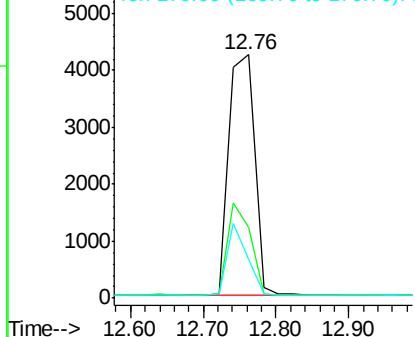


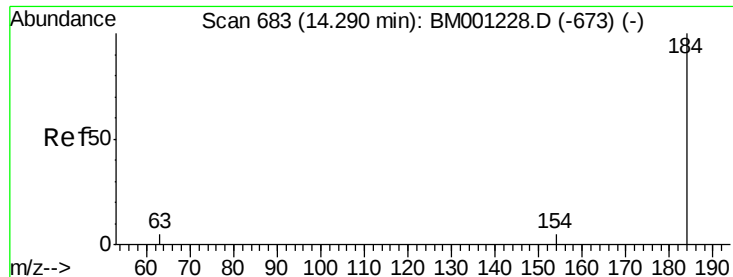
#20
 2-Fluorobiphenyl
 Concen: 1.03 ng
 RT: 12.76 min Scan# 593
 Delta R.T. 0.00 min
 Lab File: BM001233.D
 Acq: 07 May 2015 00:52

Tgt Ion:	172	Resp:	10439
Ion	Ratio	Lower	Upper
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

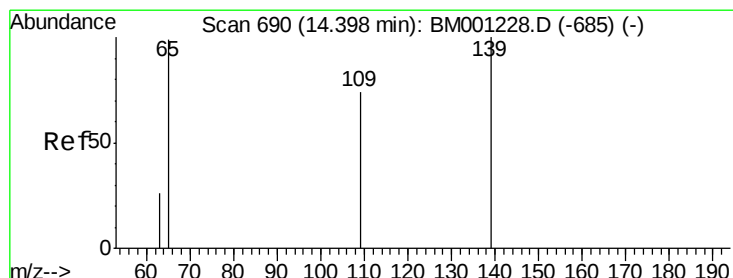
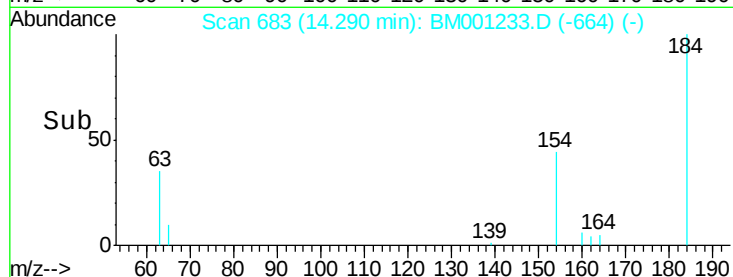
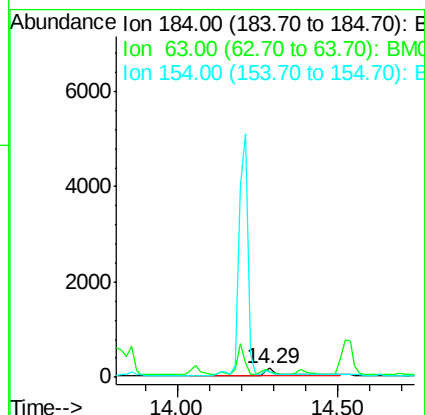
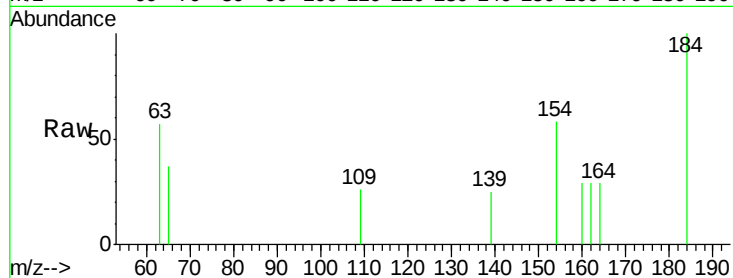




#21
2,4-Dinitrophenol
Concen: 0.95 ng
RT: 14.29 min Scan# 683
Delta R.T. 0.00 min
Lab File: BM001233.D
Acq: 07 May 2015 00:52

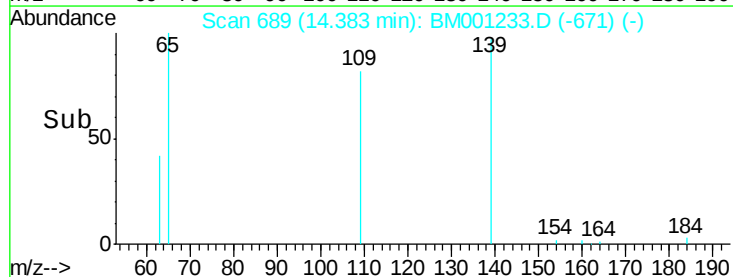
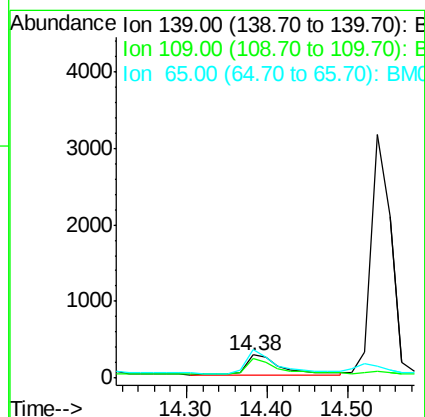
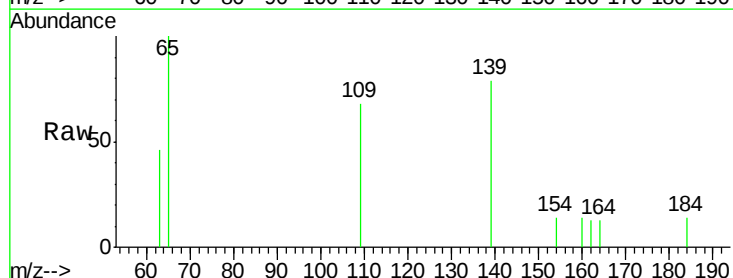
Instrument :
BNA_M
ClientSampleId :
ICVBM050615

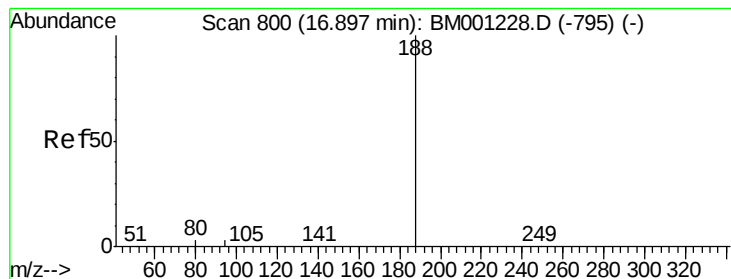
Tot Ion:184 Resp: 363
Ion Ratio Lower Upper
184 100
63 56.8 52.0 78.0
154 58.4 51.4 77.2



#22
4-Nitrophenol
Concen: 1.09 ng
RT: 14.38 min Scan# 689
Delta R.T. -0.01 min
Lab File: BM001233.D
Acq: 07 May 2015 00:52

Tgt Ion:139 Resp: 737
Ion Ratio Lower Upper
139 100
109 86.3 60.0 100.0
65 126.7 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: BM001233.D

Acq: 07 May 2015 00:52

Instrument :

BNA_M

ClientSampleId :

ICVBM050615

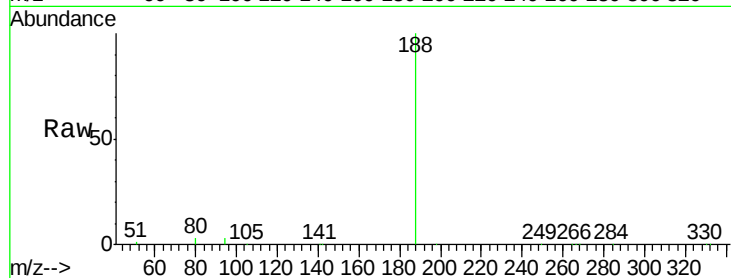
Tot Ion:188 Resp: 59230

Ion Ratio Lower Upper

188 100

94 3.4 2.9 4.3

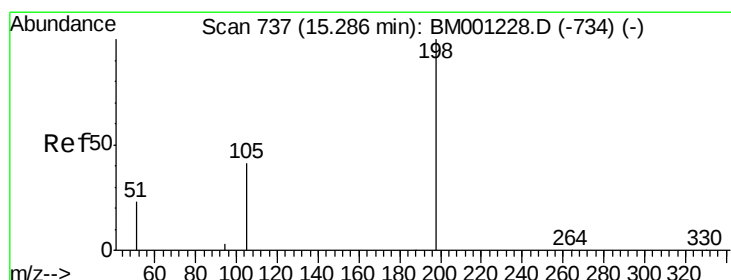
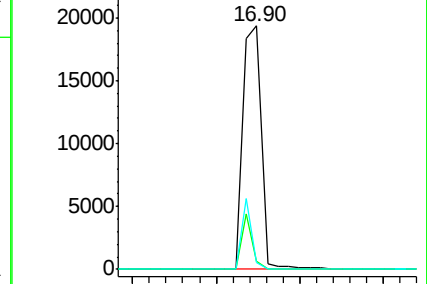
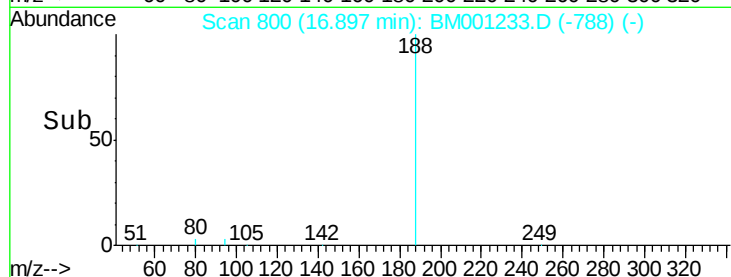
80 2.8 2.5 3.7



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



#24

4,6-Dinitro-2-methylphenol

Concen: 0.96 ng

RT: 15.29 min Scan# 737

Delta R.T. 0.00 min

Lab File: BM001233.D

Acq: 07 May 2015 00:52

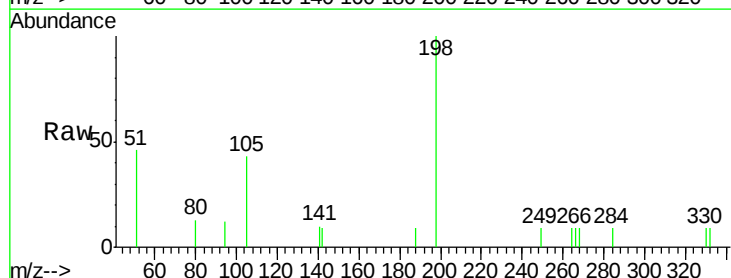
Tgt Ion:198 Resp: 894

Ion Ratio Lower Upper

198 100

51 46.1 60.8 100.8#

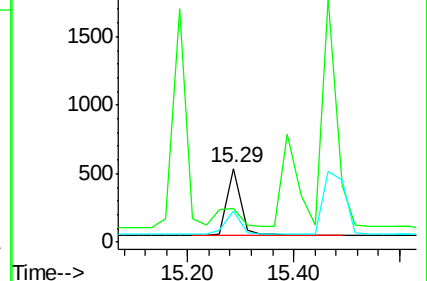
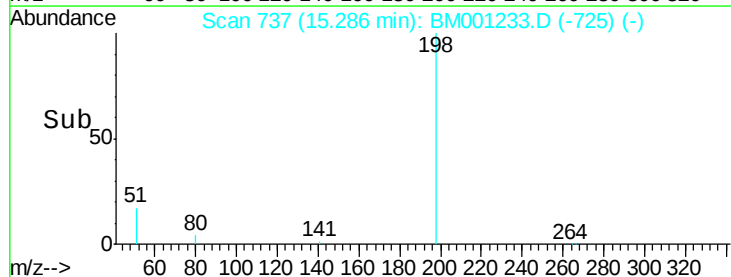
105 43.3 30.0 70.0

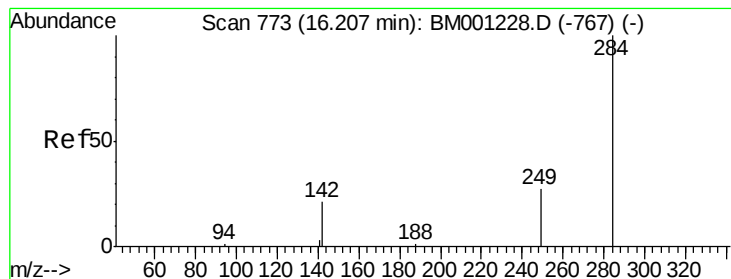


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E





#25

Hexachlorobenzene

Concen: 1.03 ng

RT: 16.21 min Scan# 773

Delta R.T. 0.00 min

Lab File: BM001233.D

Acq: 07 May 2015 00:52

Instrument :

BNA_M

ClientSampleId :

ICVBM050615

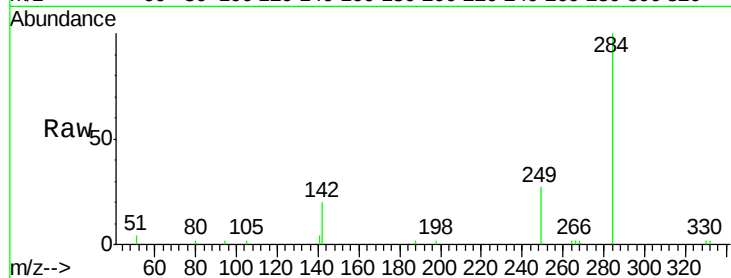
Tot Ion:284 Resp: 4503

Ion Ratio Lower Upper

284 100

142 28.1 23.3 34.9

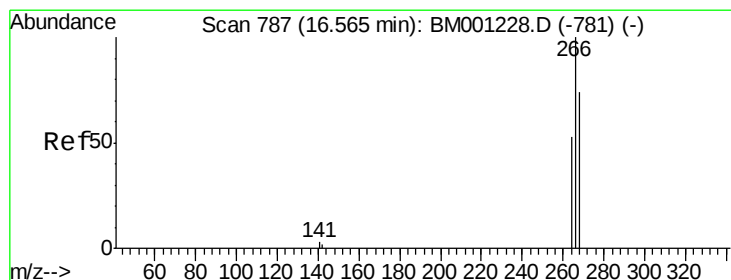
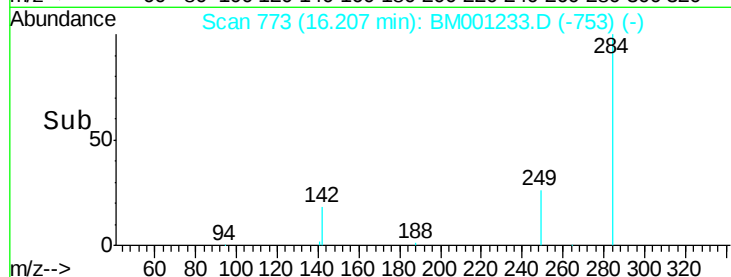
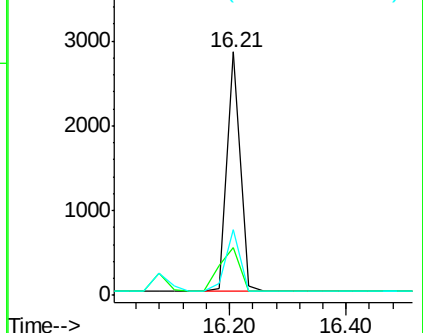
249 27.9 23.3 34.9



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: 1.02 ng

RT: 16.56 min Scan# 787

Delta R.T. 0.00 min

Lab File: BM001233.D

Acq: 07 May 2015 00:52

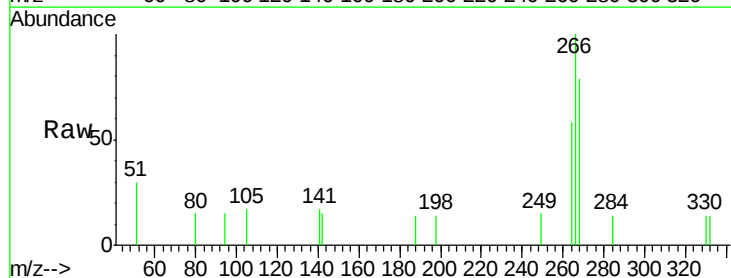
Tgt Ion:266 Resp: 870

Ion Ratio Lower Upper

266 100

268 79.0 62.6 94.0

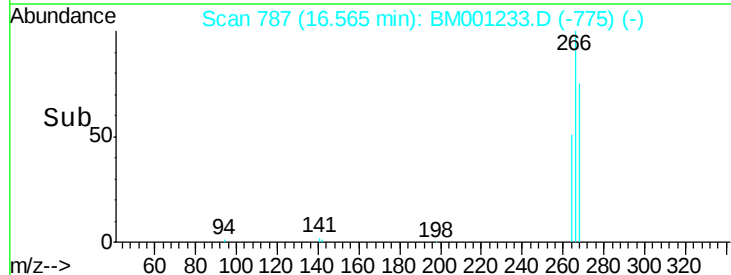
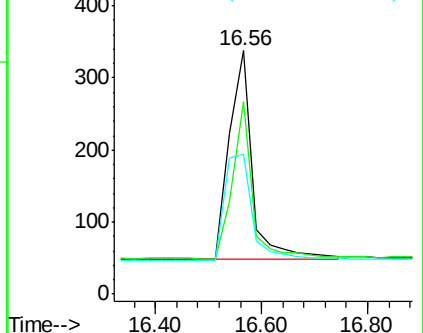
264 57.7 47.9 71.9

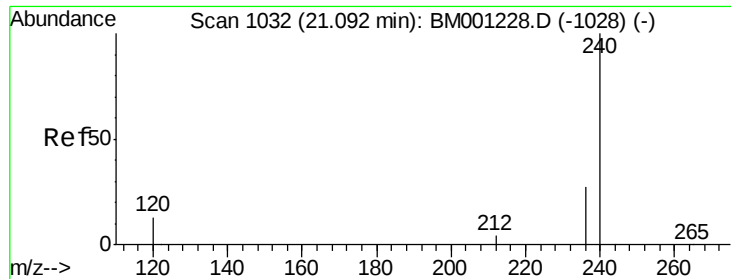


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

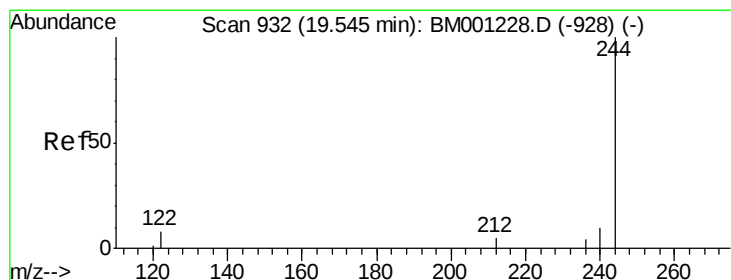
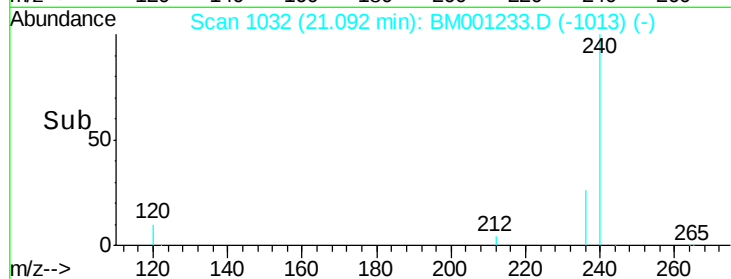
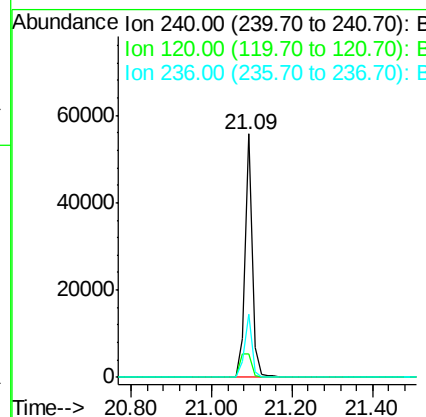
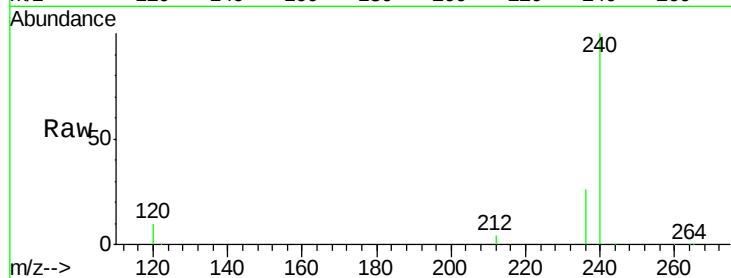




#27
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.09 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BM001233.D
 Acq: 07 May 2015 00:52

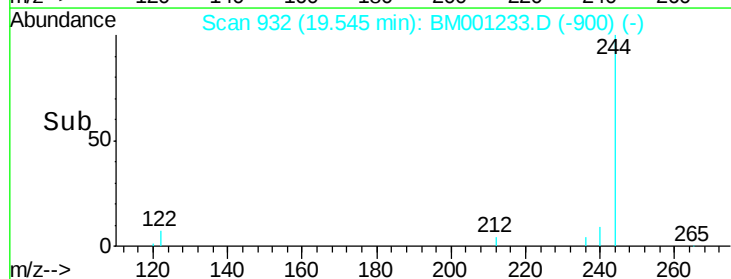
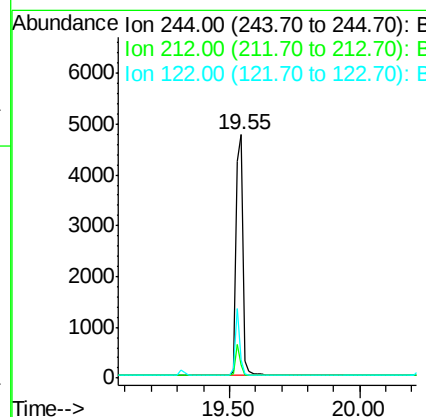
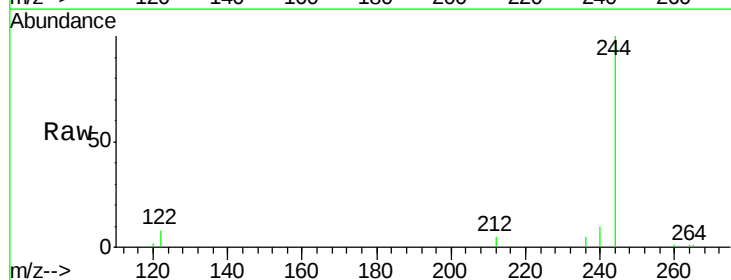
Instrument :
 BNA_M
 ClientSampleId :
 ICVBM050615

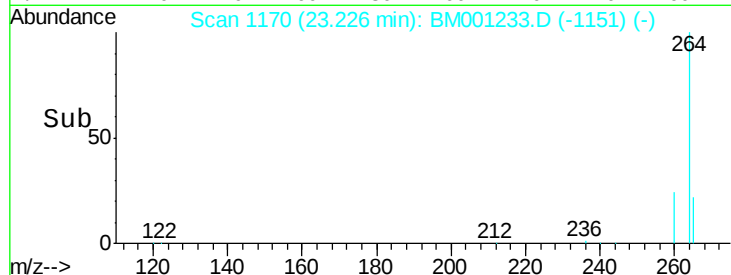
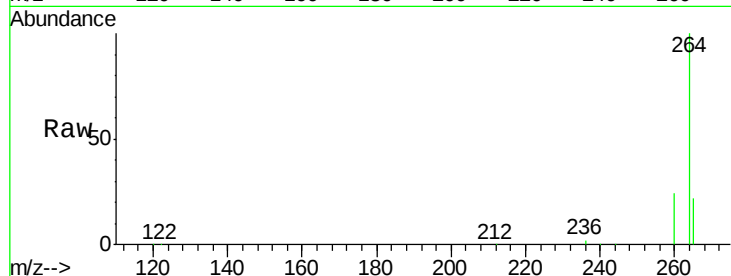
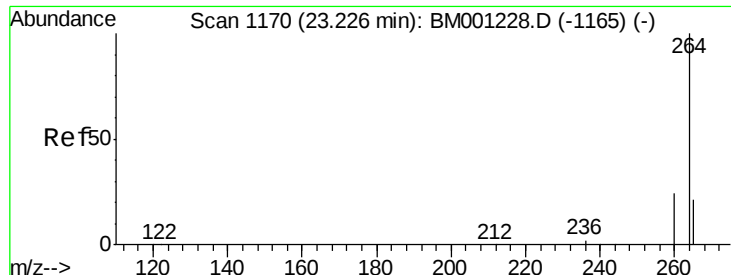
Tot Ion:240 Resp: 68246
 Ion Ratio Lower Upper
 240 100
 120 9.9 10.4 15.6#
 236 26.1 22.0 33.0



#28
 Terphenyl-d14
 Concen: 1.00 ng
 RT: 19.55 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: BM001233.D
 Acq: 07 May 2015 00:52

Tgt Ion:244 Resp: 9019
 Ion Ratio Lower Upper
 244 100
 212 9.4 7.3 10.9
 122 19.1 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: BM001233.D

Acq: 07 May 2015 00:52

Instrument :

BNA_M

ClientSampleId :

ICVBM050615

Tot Ion: 264 Resp: 63425

Ion Ratio Lower Upper

264 100

260 23.7 19.7 29.5

265 22.3 17.4 26.2

