

Data Path : Z:\HPCHEM1\BNA M\DATA\BM050615\
 Data File : BM001235.D
 Acq On : 07 May 2015 02:39
 Operator : TP/IZ
 Sample : PB83180BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB83180BS

Quant Time: May 07 07:19:13 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	15814	5.00	ng	0.00
9) Naphthalene-d8	10.26	136	44795	5.00	ng	0.00
16) Acenaphthene-d10	14.15	164	22338	5.00	ng	0.00
23) Phenanthrene-d10	16.90	188	36814	5.00	ng	0.00
27) Chrysene-d12	21.09	240	38060	5.00	ng	0.00
29) Perylene-d12	23.23	264	33584	5.00	ng	0.00

System Monitoring Compounds						
3) 2-Fluorophenol	5.06	112	359474	139.19	ng	0.00
4) Phenol-d6	6.65	99	456521	105.68	ng	0.00
10) Nitrobenzene-d5	8.61	82	244440	75.17	ng	0.00
17) 2,4,6-Tribromophenol	15.64	330	174631	135.68	ng	0.00
20) 2-Fluorobiphenyl	12.76	172	647953	93.05	ng	0.00
28) Terphenyl-d14	19.55	244	447486	89.35	ng	0.00

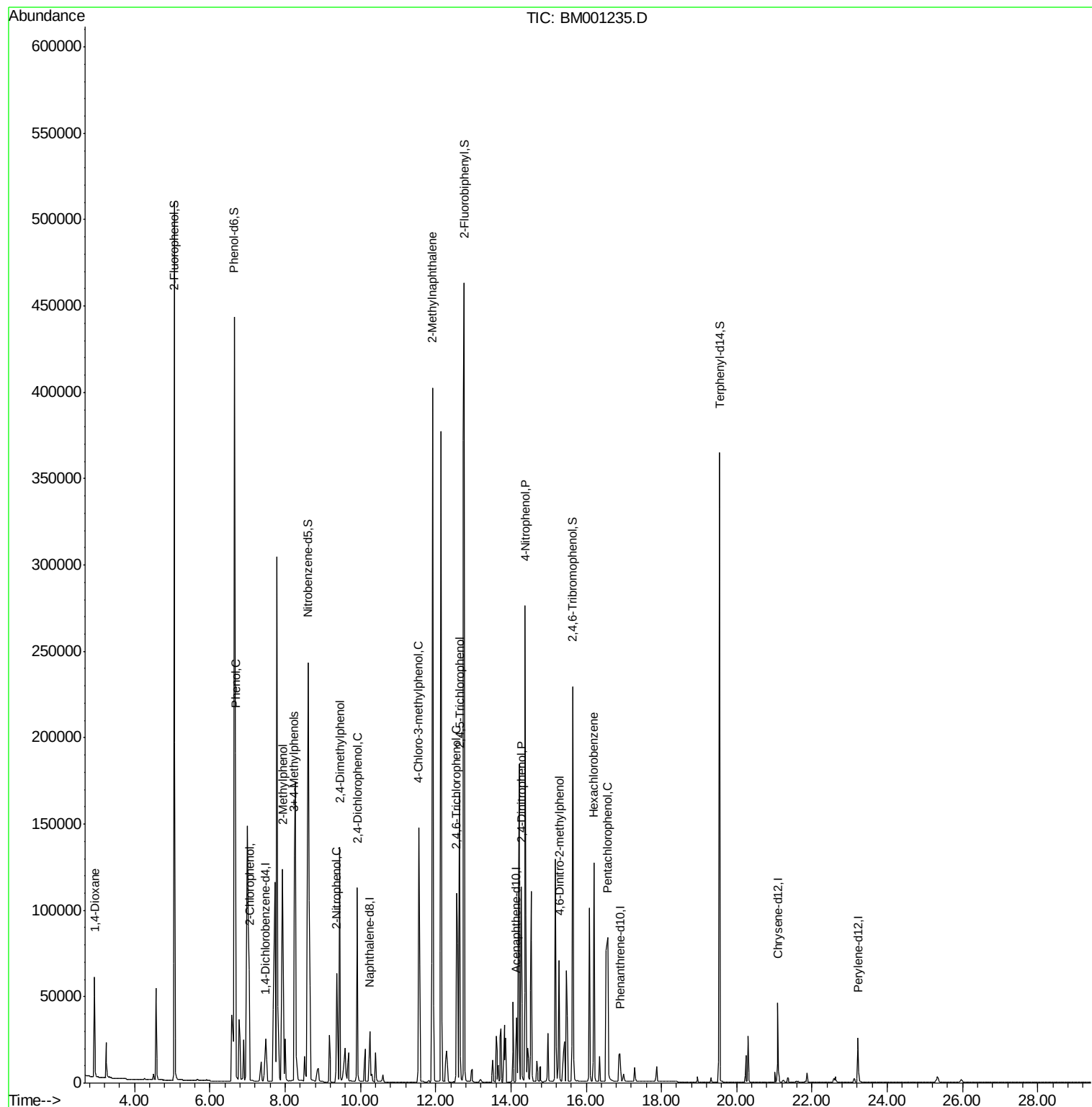
Target Compounds						Qvalue
2) 1,4-Dioxane	2.94	88	34761	33.88	ng	97
5) 2-Chlorophenol	7.05	128	107128	47.63	ng	94
6) Phenol	6.68	94	219521	62.65	ng	98
7) 2-Methylphenol	7.94	107	97927	52.97	ng	# 93
8) 3+4-Methylphenols	8.24	107	125624	40.08	ng	# 40
11) 2-Nitrophenol	9.37	139	64754	47.42	ng	# 1
12) 2,4-Dimethylphenol	9.46	122	121077	56.01	ng	88
13) 2,4-Dichlorophenol	9.92	162	128829	58.55	ng	91
14) 4-Chloro-3-methylphenol	11.55	107	128117	43.30	ng	98
15) 2-Methylnaphthalene	11.92	142	283436	44.29	ng	99
18) 2,4,6-Trichlorophenol	12.56	196	99690	46.54	ng	97
19) 2,4,5-Trichlorophenol	12.64	196	110229	45.86	ng	87
21) 2,4-Dinitrophenol	14.27	184	79045	43.63	ng	# 81
22) 4-Nitrophenol	14.38	139	129199	96.44	ng	93
24) 4,6-Dinitro-2-methylphenol	15.29	198	68087	27.57	ng	# 53
25) Hexachlorobenzene	16.21	284	128080	47.25	ng	98
26) Pentachlorophenol	16.56	266	103692	101.21	ng	91

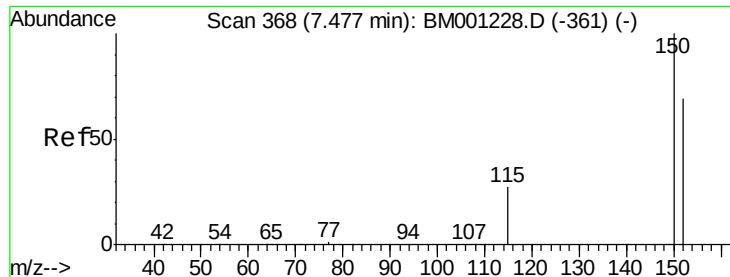
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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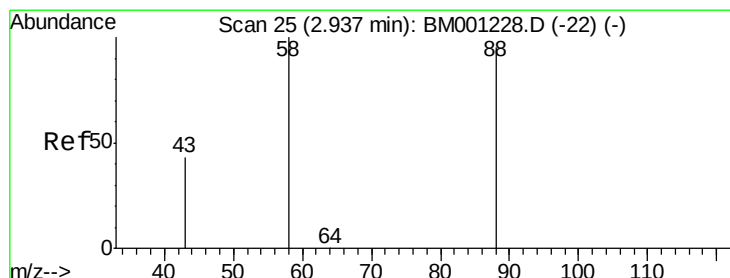
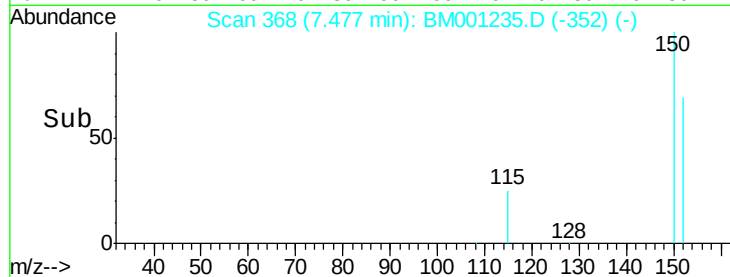
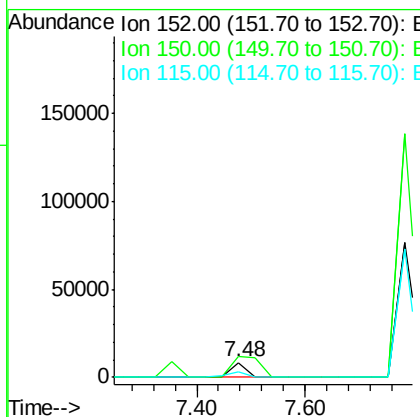
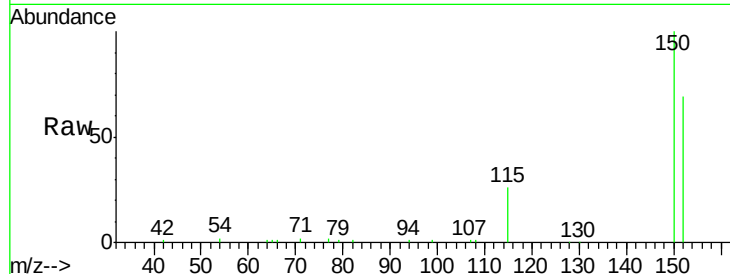




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.48 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: BM001235.D
 Acq: 07 May 2015 02:39

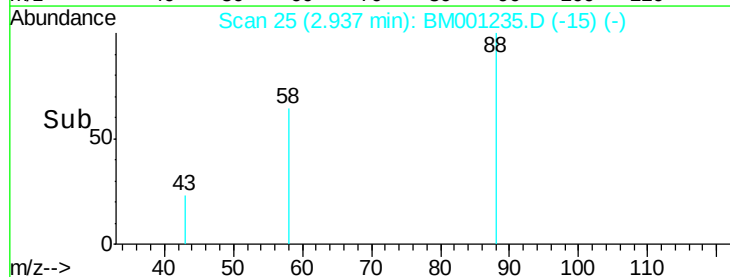
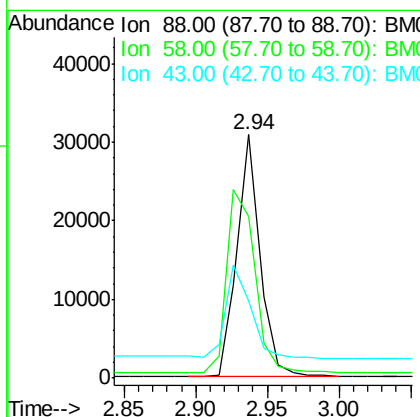
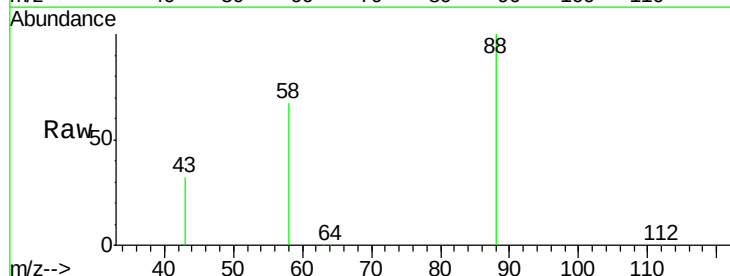
Instrument :
 BNA_M
 ClientSampleId :
 PB83180BS

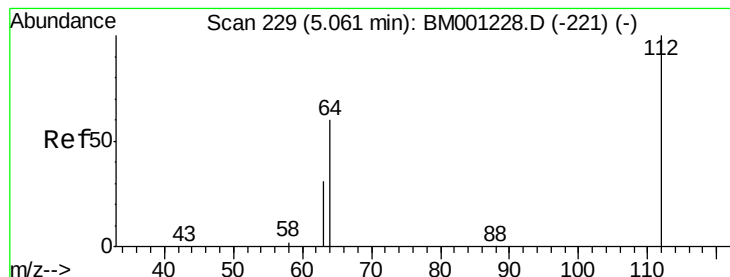
Tot Ion:152 Resp: 15814
 Ion Ratio Lower Upper
 152 100
 150 144.2 116.3 174.5
 115 37.0 31.9 47.9



#2
 1,4-Dioxane
 Concen: 33.88 ng
 RT: 2.94 min Scan# 25
 Delta R.T. -0.00 min
 Lab File: BM001235.D
 Acq: 07 May 2015 02:39

Tgt Ion: 88 Resp: 34761
 Ion Ratio Lower Upper
 88 100
 58 90.2 75.5 113.3
 43 41.5 32.7 49.1





#3

2-Fluorophenol

Concen: 139.19 ng

RT: 5.06 min Scan# 229

Delta R.T. -0.00 min

Lab File: BM001235.D

Acq: 07 May 2015 02:39

Instrument :

BNA_M

ClientSampleId :

PB83180BS

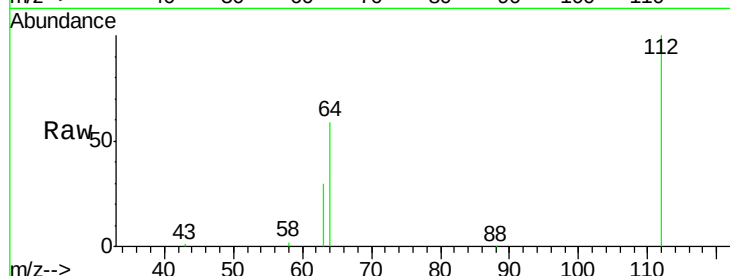
Tot Ion:112 Resp: 359474

Ion Ratio Lower Upper

112 100

64 58.8 49.3 73.9

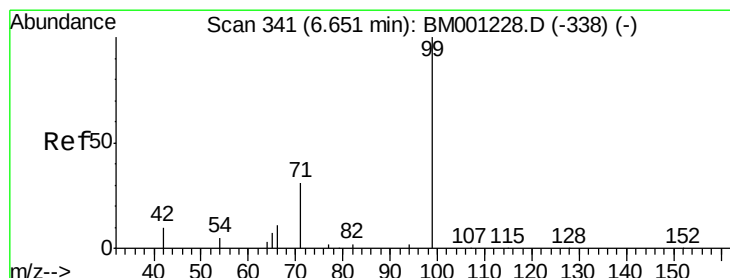
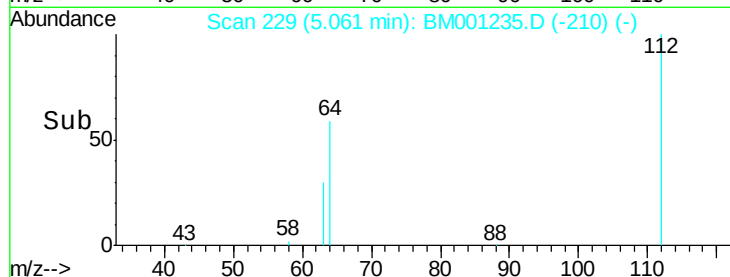
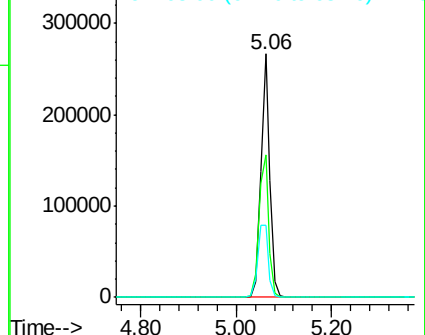
63 29.6 26.2 39.4



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: 105.68 ng

RT: 6.65 min Scan# 341

Delta R.T. 0.00 min

Lab File: BM001235.D

Acq: 07 May 2015 02:39

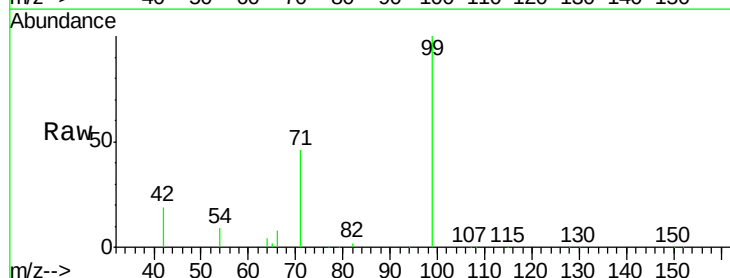
Tgt Ion: 99 Resp: 456521

Ion Ratio Lower Upper

99 100

42 18.9 12.1 18.1#

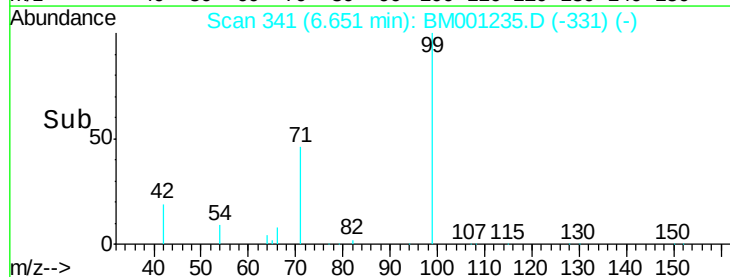
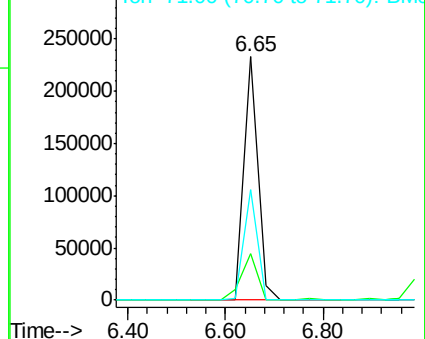
71 45.6 26.4 39.6#

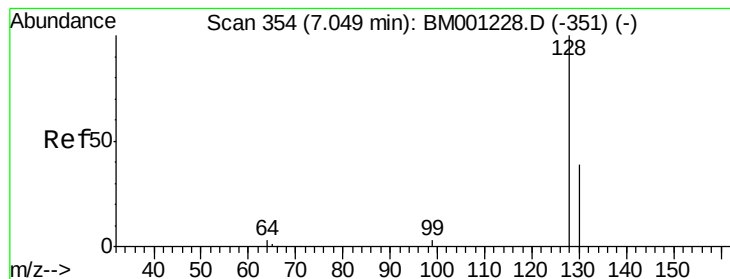


Abundance Ion 99.00 (98.70 to 99.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM





#5

2-Chlorophenol

Concen: 47.63 ng

RT: 7.05 min Scan# 354

Delta R.T. -0.00 min

Lab File: BM001235.D

Acq: 07 May 2015 02:39

Instrument :

BNA_M

ClientSampleId :

PB83180BS

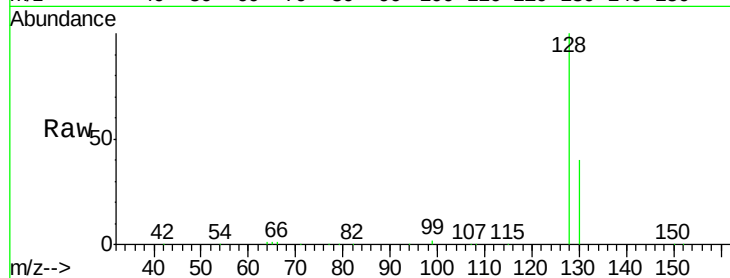
Tot Ion:128 Resp: 107128

Ion Ratio Lower Upper

128 100

130 40.2 22.2 62.2

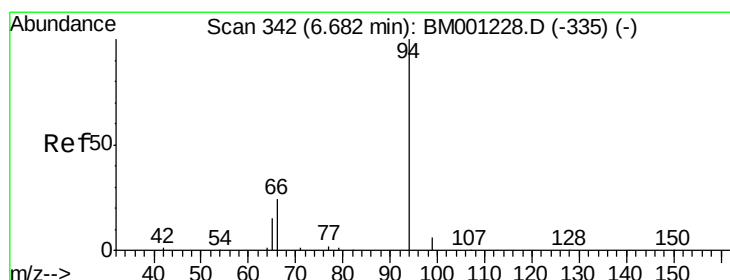
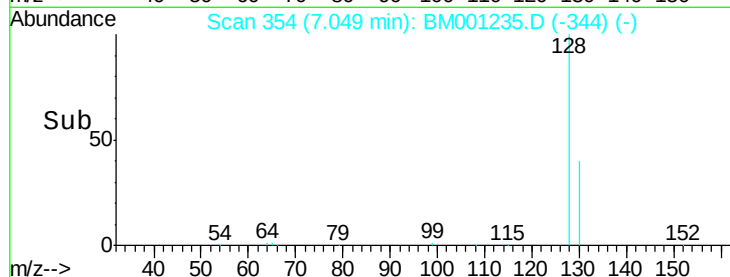
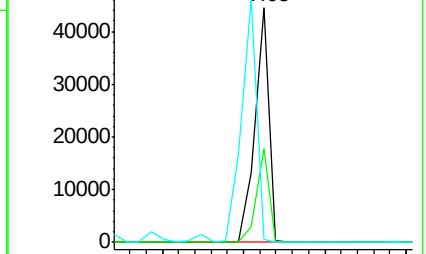
64 1.1 0.0 28.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BM



#6

Phenol

Concen: 62.65 ng

RT: 6.68 min Scan# 342

Delta R.T. -0.00 min

Lab File: BM001235.D

Acq: 07 May 2015 02:39

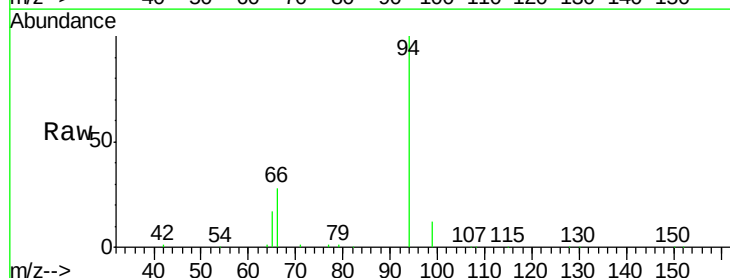
Tgt Ion: 94 Resp: 219521

Ion Ratio Lower Upper

94 100

65 17.5 0.0 37.7

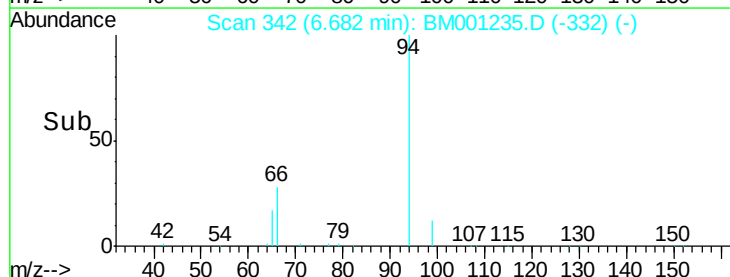
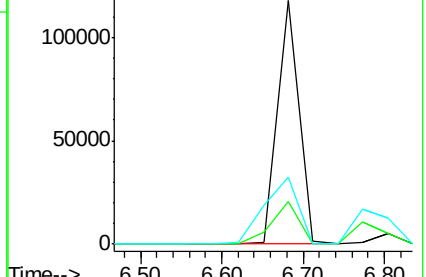
66 27.6 6.3 46.3

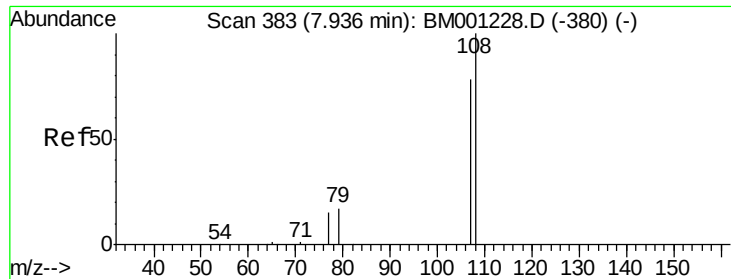


Abundance Ion 94.00 (93.70 to 94.70): BM

Ion 65.00 (64.70 to 65.70): BM

Ion 66.00 (65.70 to 66.70): BM





#7

2-Methylphenol

Concen: 52.97 ng

RT: 7.94 min Scan# 383

Delta R.T. -0.00 min

Lab File: BM001235.D

Acq: 07 May 2015 02:39

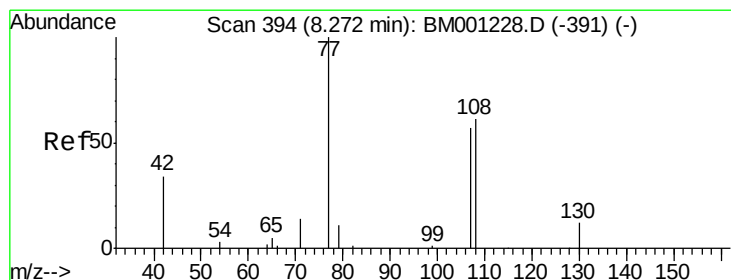
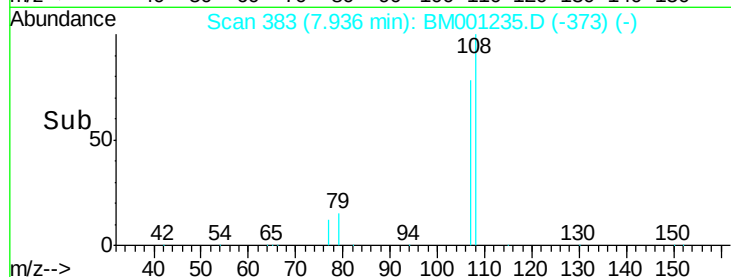
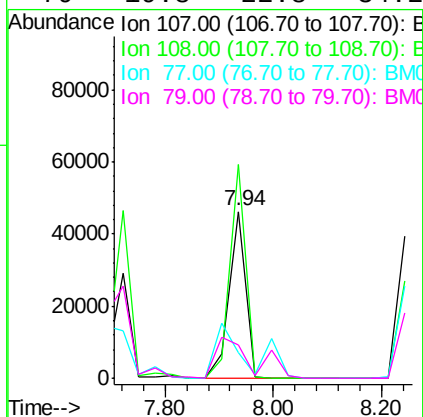
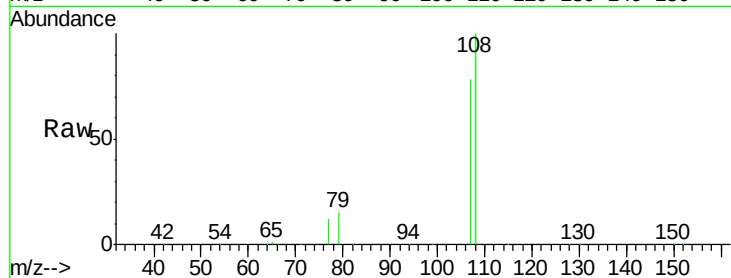
Instrument :

BNA_M

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Tot Ion:	107	Resp:	97927
Ion	Ratio	Lower	Upper
107	100		
108	128.3	100.9	151.3
77	15.7	20.3	30.5#
79	19.8	22.8	34.2#



#8

3+4-Methylphenols

Concen: 40.08 ng

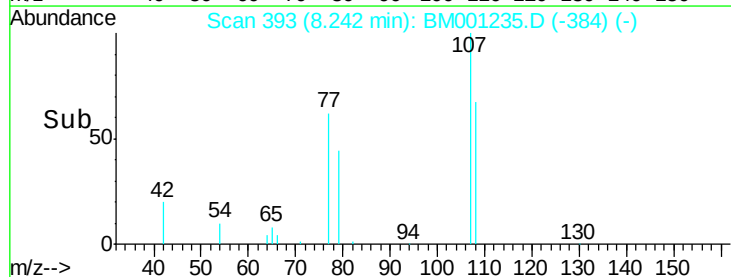
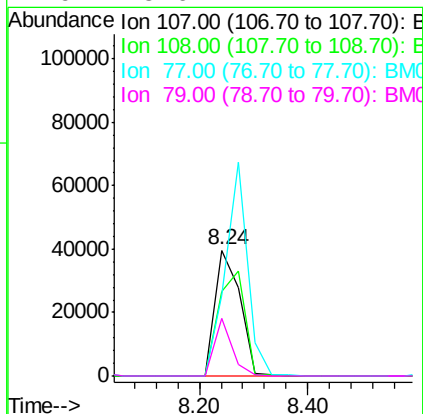
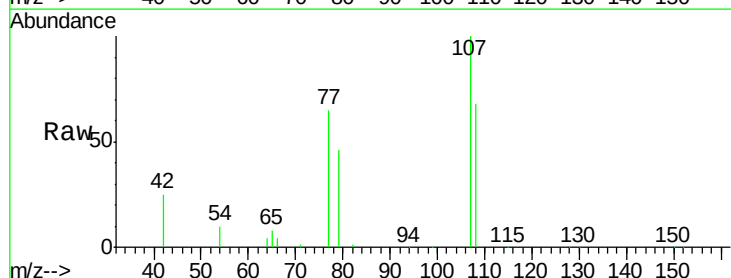
RT: 8.24 min Scan# 393

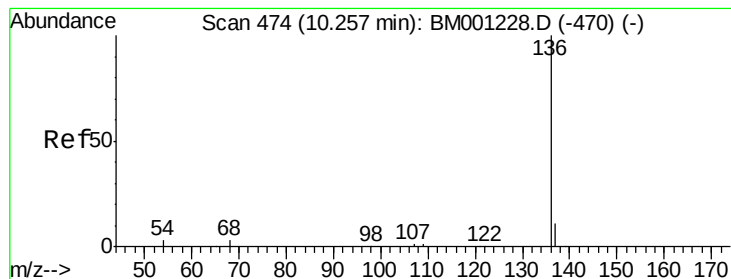
Delta R.T. -0.03 min

Lab File: BM001235.D

Acq: 07 May 2015 02:39

Tgt Ion:	107	Resp:	125624
Ion	Ratio	Lower	Upper
107	100		
108	67.8	86.3	126.3#
77	64.6	151.7	191.7#
79	45.6	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: BM001235.D

Acq: 07 May 2015 02:39

Instrument :

BNA_M

ClientSampleId :

PB83180BS

Tot Ion:136 Resp: 44795

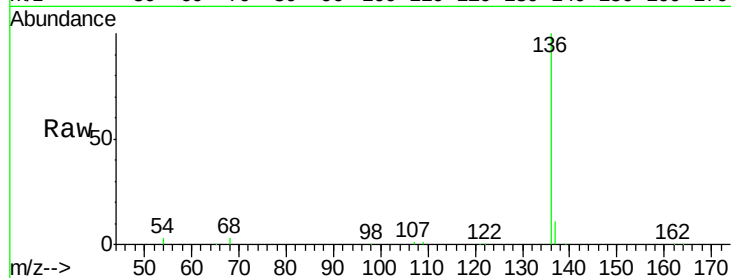
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 2.9 2.6 3.8

68 2.6 2.2 3.2

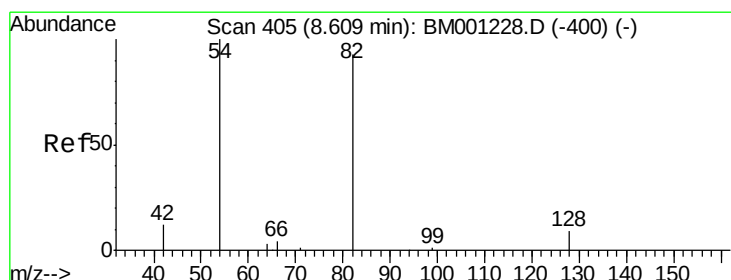
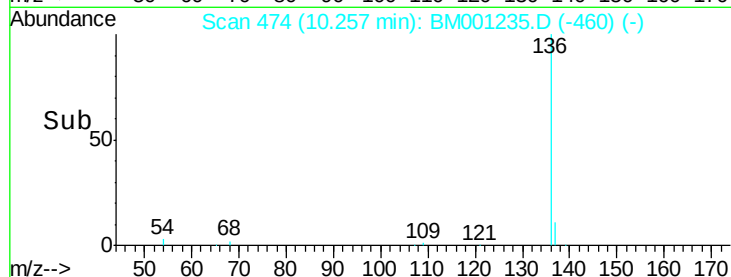
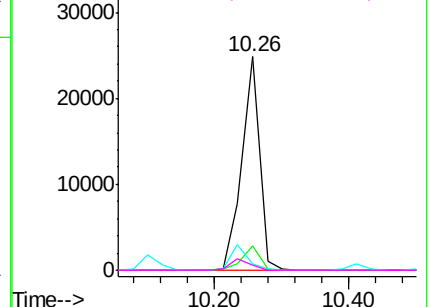


Abundance Ion 136.00 (135.70 to 136.70): E

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



#10

Nitrobenzene-d5

Concen: 75.17 ng

RT: 8.61 min Scan# 405

Delta R.T. 0.00 min

Lab File: BM001235.D

Acq: 07 May 2015 02:39

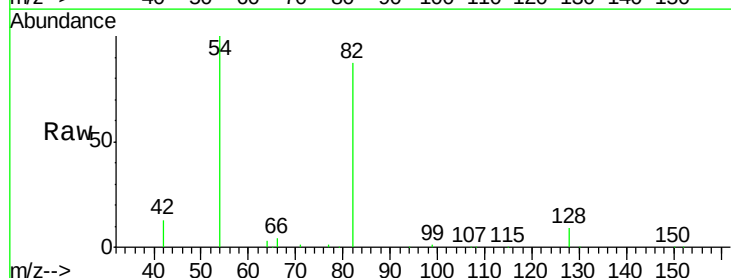
Tgt Ion: 82 Resp: 244440

Ion Ratio Lower Upper

82 100

128 0.0 0.0 0.0

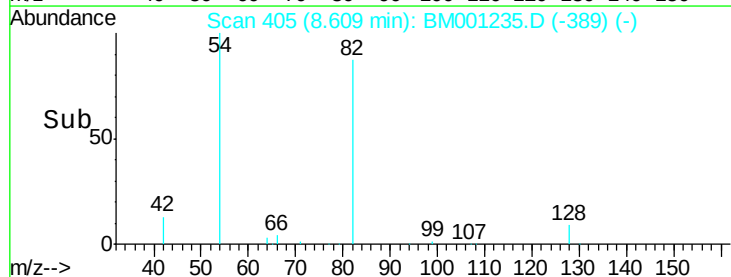
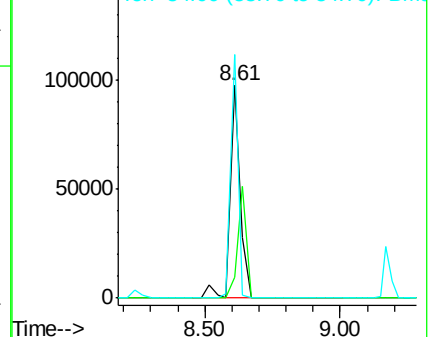
54 86.7 59.0 88.6

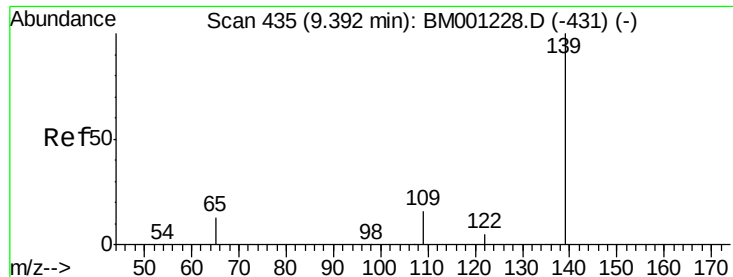


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

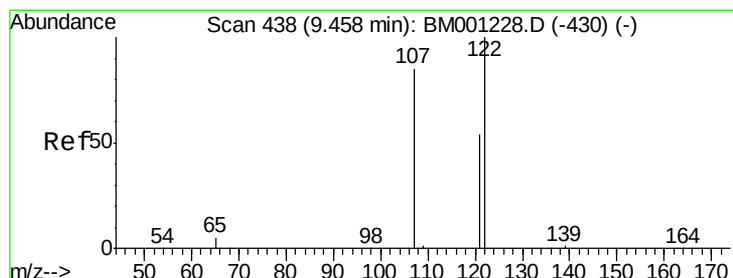
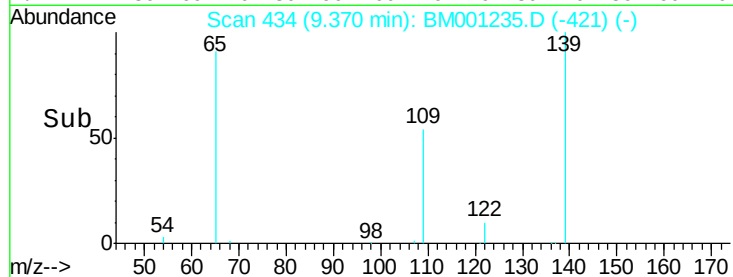
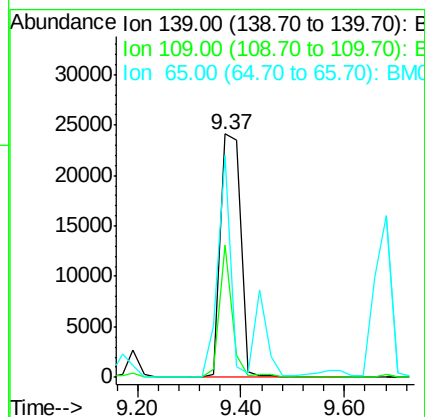
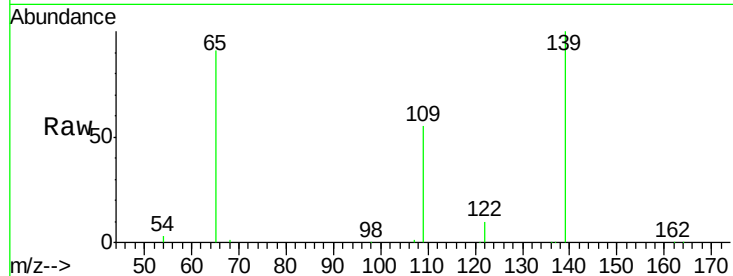




#11
2-Nitrophenol
Concen: 47.42 ng
RT: 9.37 min Scan# 434
Delta R.T. -0.02 min
Lab File: BM001235.D
Acq: 07 May 2015 02:39

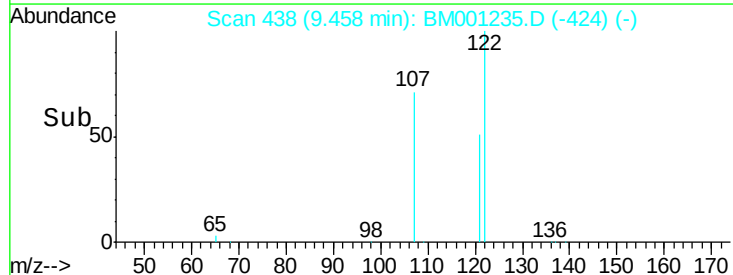
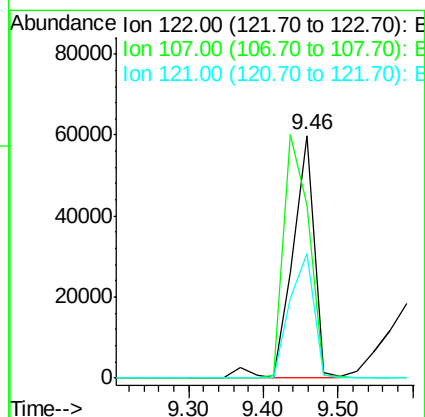
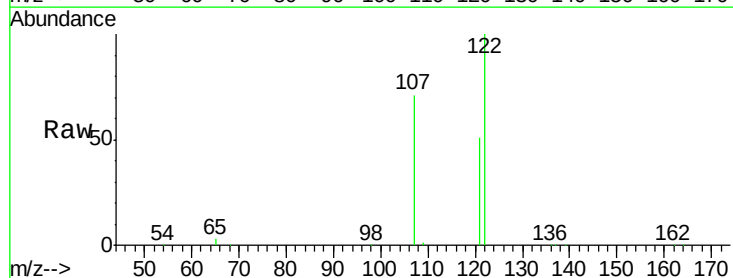
Instrument :
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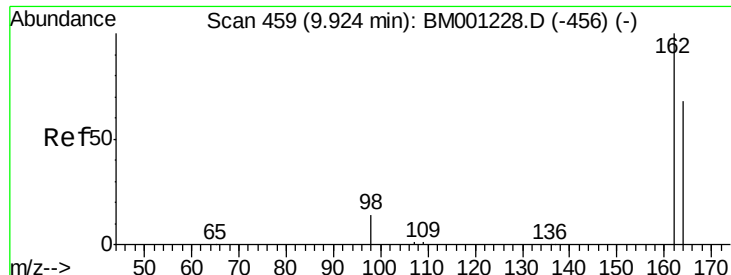
Tot Ion:139 Resp: 64754
Ion Ratio Lower Upper
139 100
109 54.5 19.5 29.3#
65 91.3 18.6 28.0#



#12
2,4-Dimethylphenol
Concen: 56.01 ng
RT: 9.46 min Scan# 438
Delta R.T. -0.00 min
Lab File: BM001235.D
Acq: 07 May 2015 02:39

Tgt Ion:122 Resp: 121077
Ion Ratio Lower Upper
122 100
107 71.5 68.6 102.8
121 51.2 44.8 67.2

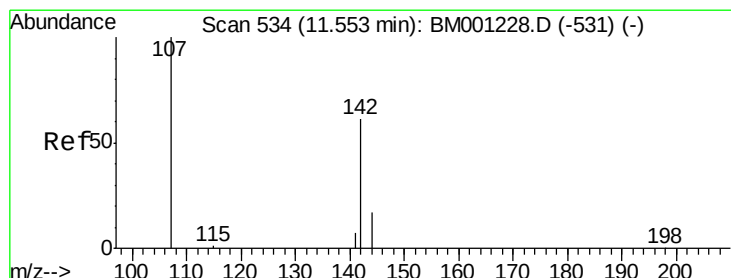
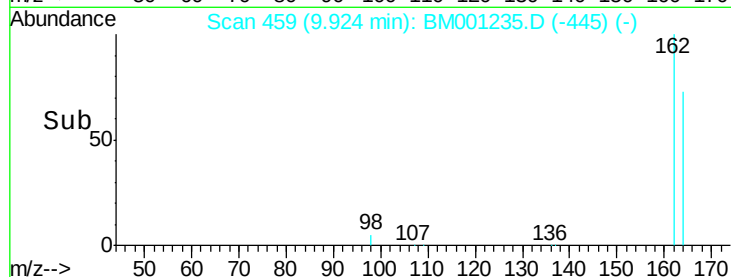
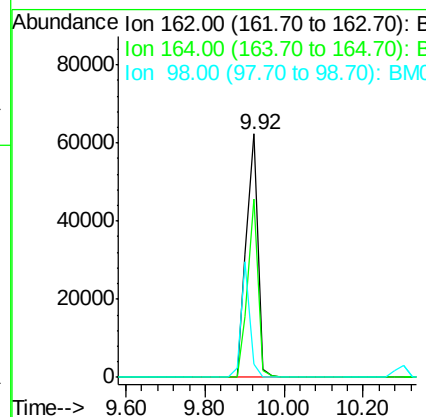
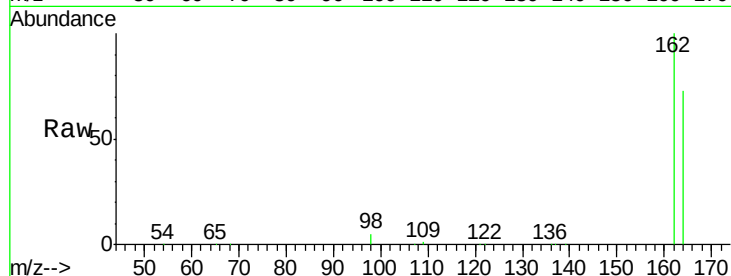




#13
 2,4-Dichlorophenol
 Concen: 58.55 ng
 RT: 9.92 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: BM001235.D
 Acq: 07 May 2015 02:39

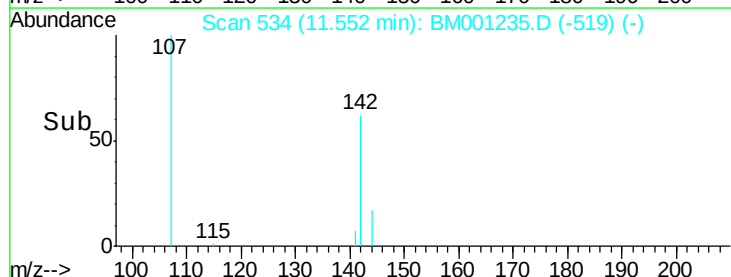
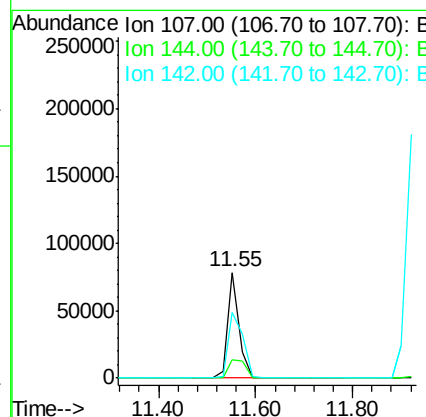
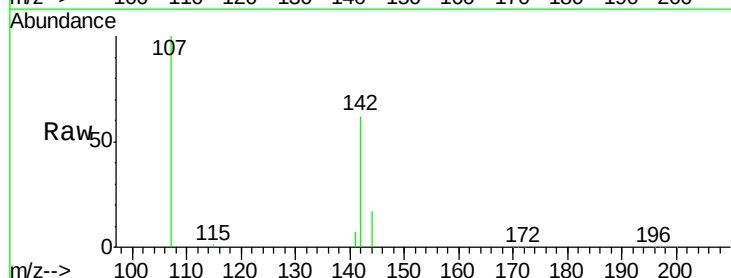
Instrument :
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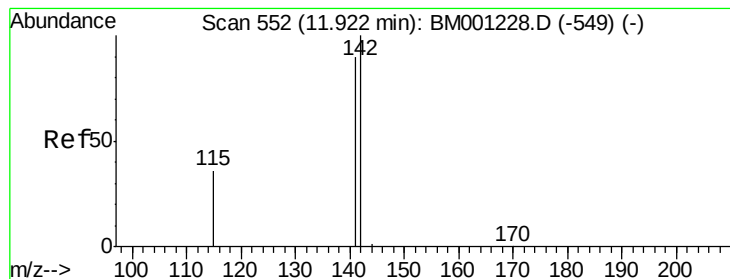
Tot Ion	Ratio	Lower	Upper
162	100		
164	73.2	49.2	89.2
98	5.4	0.0	37.4



#14
 4-Chloro-3-methylphenol
 Concen: 43.30 ng
 RT: 11.55 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: BM001235.D
 Acq: 07 May 2015 02:39

Tgt Ion	Ratio	Lower	Upper
107	100		
144	17.3	16.2	24.2
142	62.3	49.8	74.6





#15

2-Methylnaphthalene

Concen: 44.29 ng

RT: 11.92 min Scan# 552

Delta R.T. -0.00 min

Lab File: BM001235.D

Acq: 07 May 2015 02:39

Instrument :

BNA_M

ClientSampleId :

PB83180BS

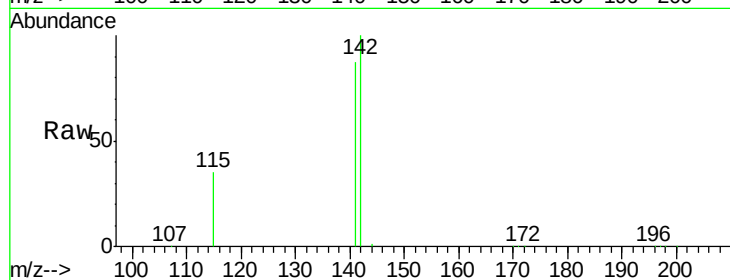
Tot Ion:142 Resp: 283436

Ion Ratio Lower Upper

142 100

141 87.9 71.4 107.0

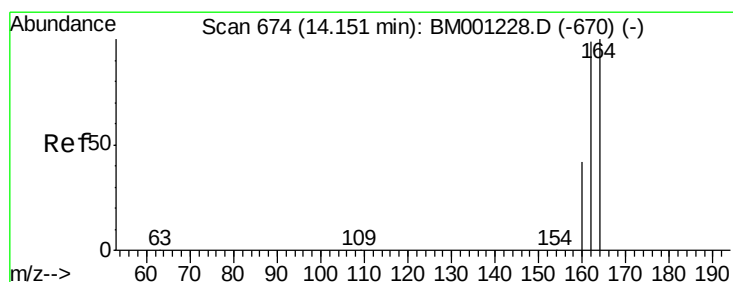
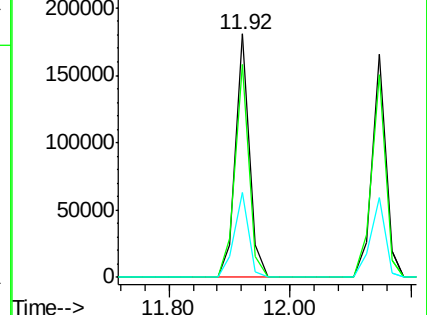
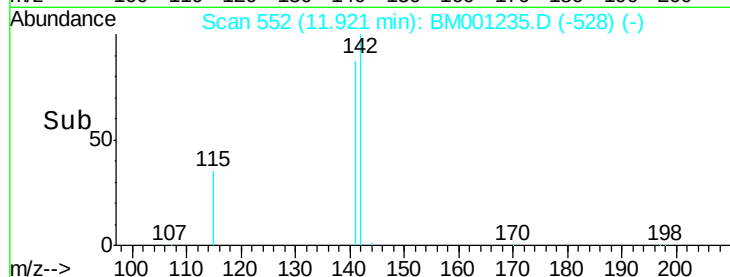
115 36.1 29.3 43.9



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: BM001235.D

Acq: 07 May 2015 02:39

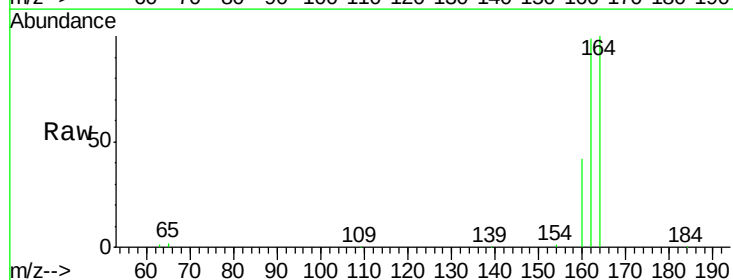
Tgt Ion:164 Resp: 22338

Ion Ratio Lower Upper

164 100

162 99.3 79.2 118.8

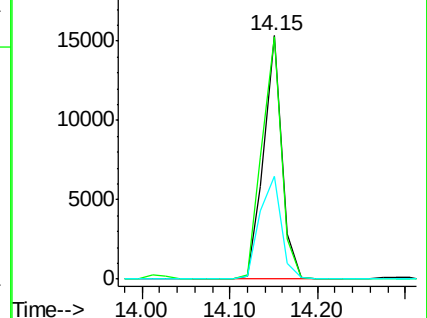
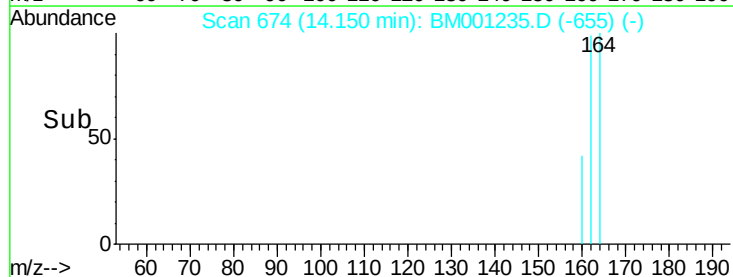
160 42.4 33.7 50.5

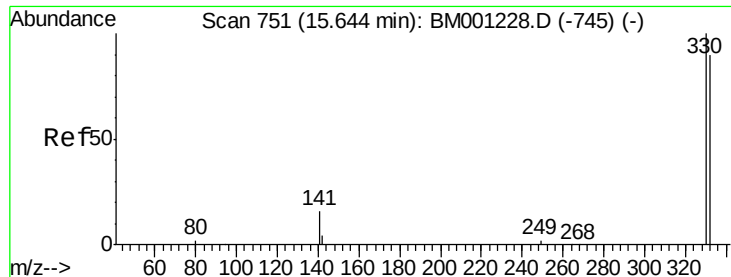


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

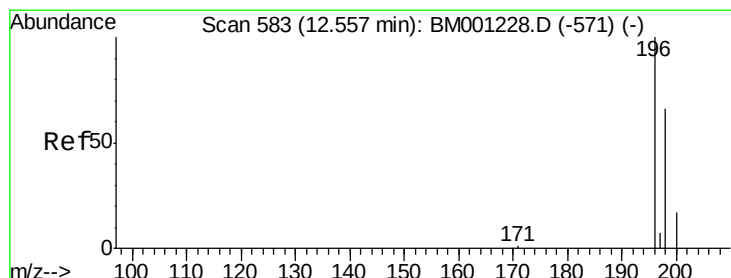
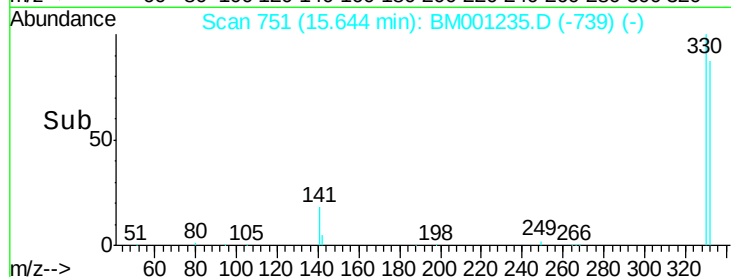
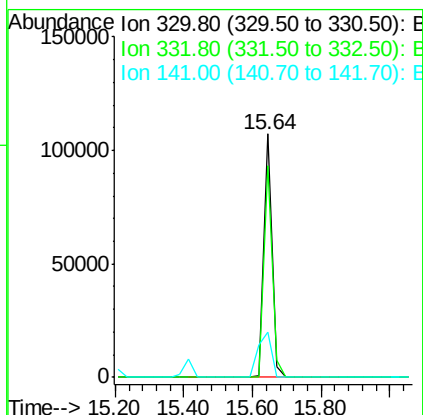
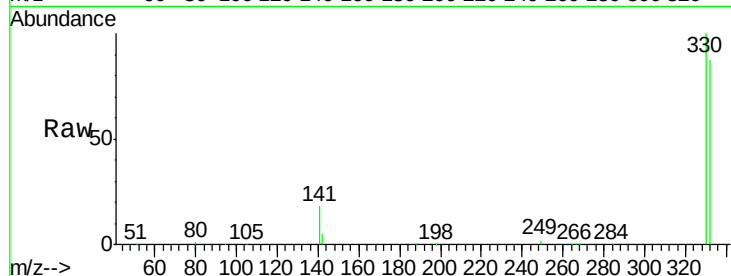




#17
 2,4,6-Tribromophenol
 Concen: 135.68 ng
 RT: 15.64 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BM001235.D
 Acq: 07 May 2015 02:39

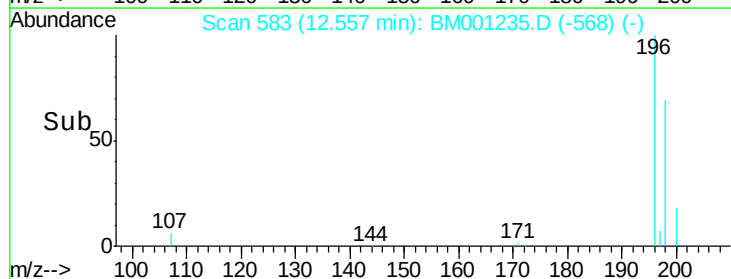
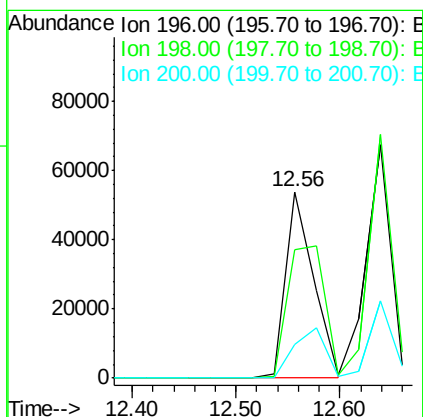
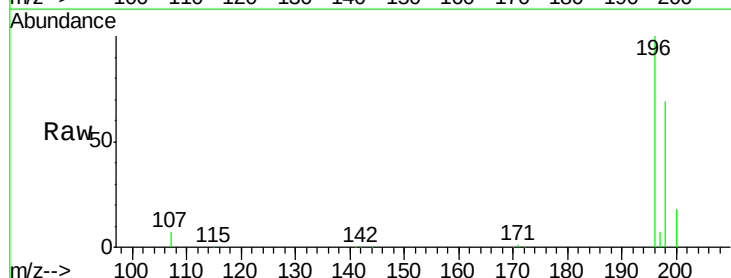
Instrument :
 BNA_M
 ClientSampleId :
 PB83180BS

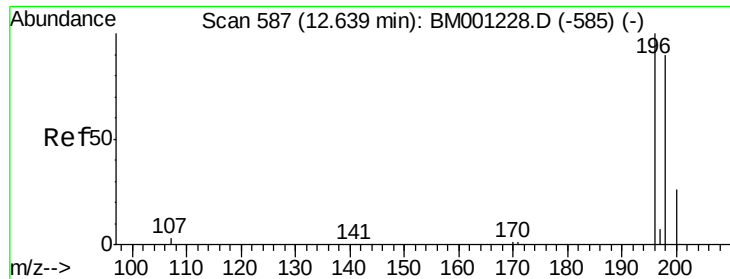
Tot Ion:330 Resp: 174631
 Ion Ratio Lower Upper
 330 100
 332 89.3 74.0 111.0
 141 30.3 24.1 36.1



#18
 2,4,6-Trichlorophenol
 Concen: 46.54 ng
 RT: 12.56 min Scan# 583
 Delta R.T. -0.00 min
 Lab File: BM001235.D
 Acq: 07 May 2015 02:39

Tgt Ion:196 Resp: 99690
 Ion Ratio Lower Upper
 196 100
 198 69.1 54.2 81.2
 200 17.7 17.1 25.7

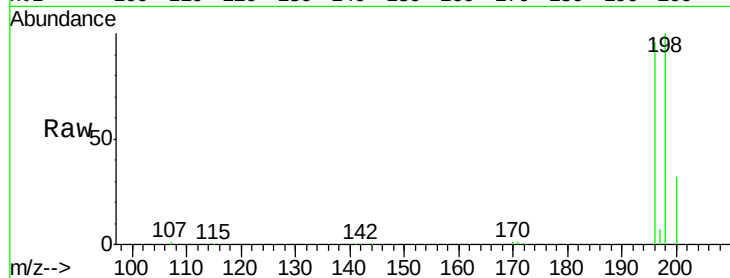




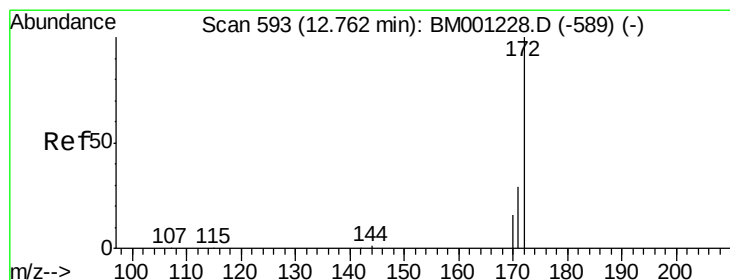
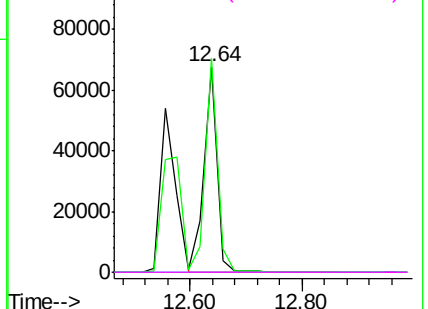
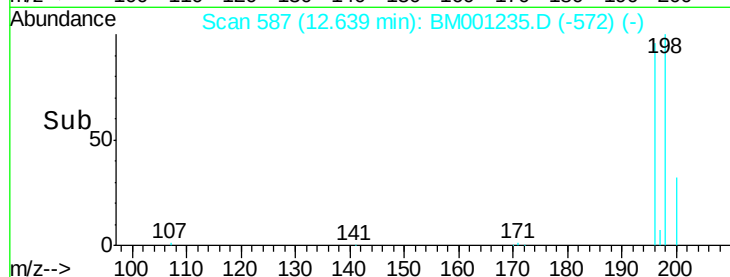
#19
2,4,5-Trichlorophenol
Concen: 45.86 ng
RT: 12.64 min Scan# 587
Delta R.T. -0.00 min
Lab File: BM001235.D
Acq: 07 May 2015 02:39

Instrument :
BNA_M
ClientSampleId :
PB83180BS

Tot Ion:196 Resp: 110229
Ion Ratio Lower Upper
196 100
198 104.1 73.6 110.4
97 0.0 0.0 0.0
132 0.0 0.0 0.0

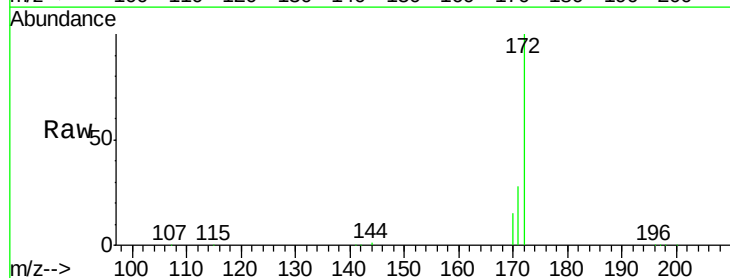


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BM
Ion 132.00 (131.70 to 132.70): E

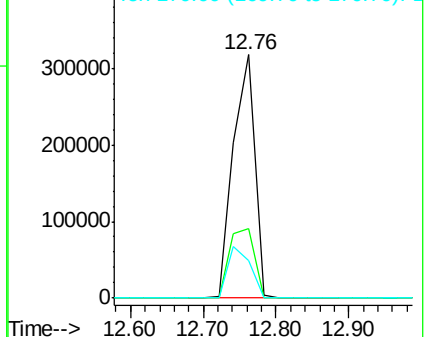
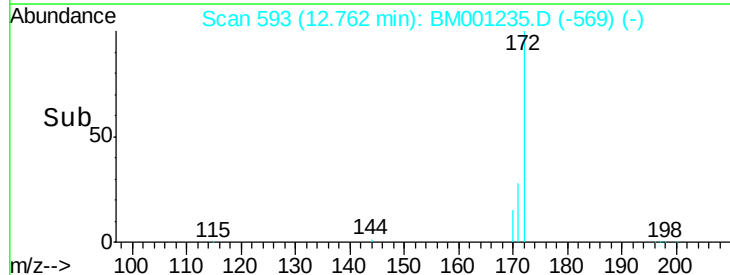


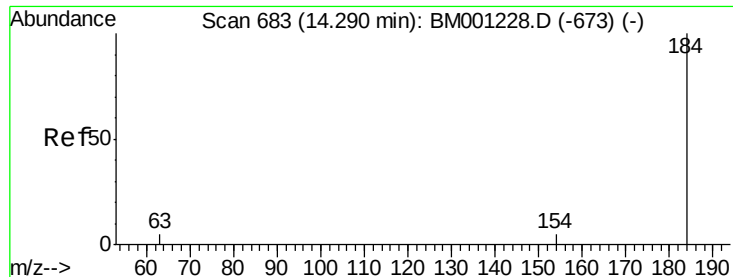
#20
2-Fluorobiphenyl
Concen: 93.05 ng
RT: 12.76 min Scan# 593
Delta R.T. -0.00 min
Lab File: BM001235.D
Acq: 07 May 2015 02:39

Tgt Ion:172 Resp: 647953
Ion Ratio Lower Upper
172 100
171 33.7 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

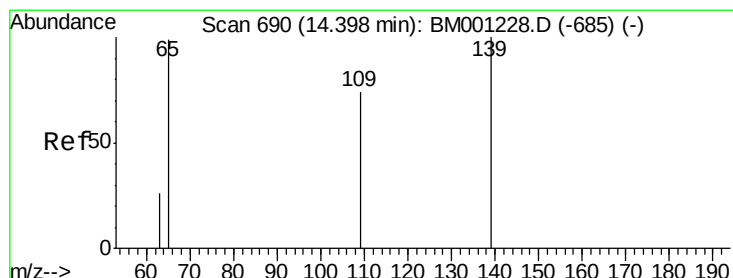
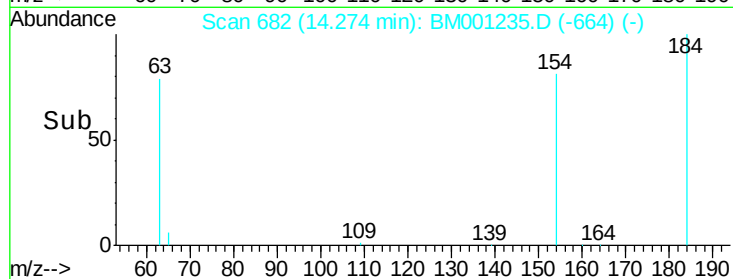
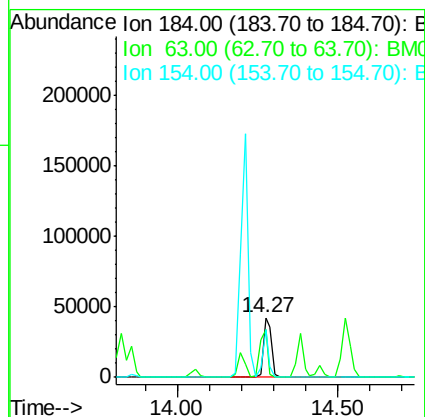
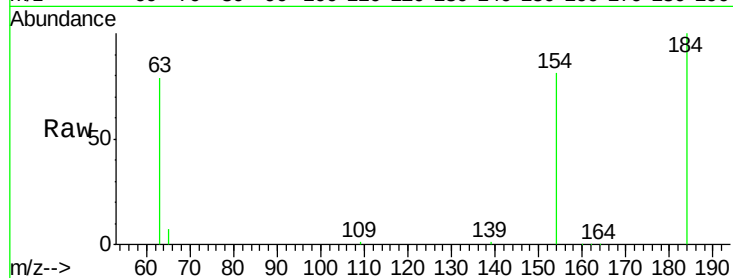




#21
 2,4-Dinitrophenol
 Concen: 43.63 ng
 RT: 14.27 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BM001235.D
 Acq: 07 May 2015 02:39

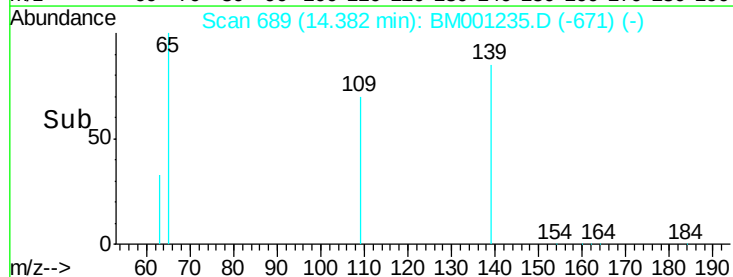
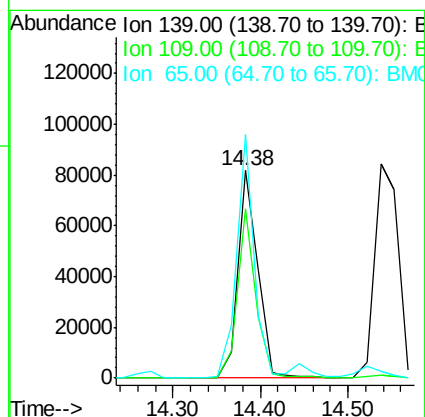
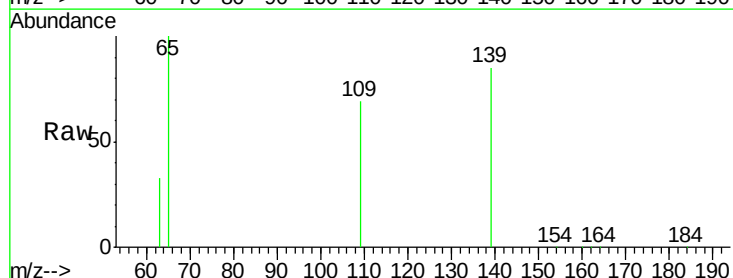
Instrument :
 BNA_M
 ClientSampleId :
 PB83180BS

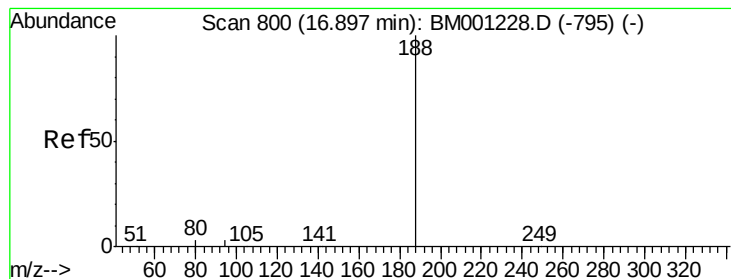
Tot Ion:184 Resp: 79045
 Ion Ratio Lower Upper
 184 100
 63 79.1 52.0 78.0#
 154 80.8 51.4 77.2#



#22
 4-Nitrophenol
 Concen: 96.44 ng
 RT: 14.38 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: BM001235.D
 Acq: 07 May 2015 02:39

Tgt Ion:139 Resp: 129199
 Ion Ratio Lower Upper
 139 100
 109 81.4 60.0 100.0
 65 117.3 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: BM001235.D

Acq: 07 May 2015 02:39

Instrument :

BNA_M

ClientSampleId :

PB83180BS

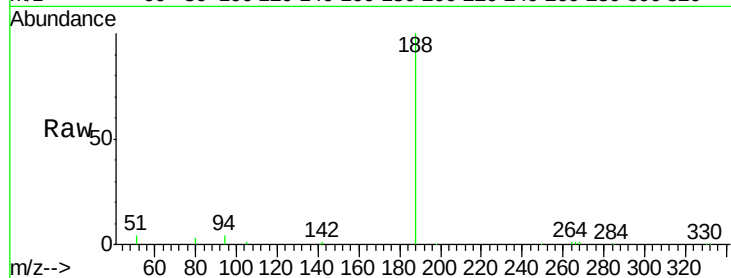
Tot Ion:188 Resp: 36814

Ion Ratio Lower Upper

188 100

94 3.7 2.9 4.3

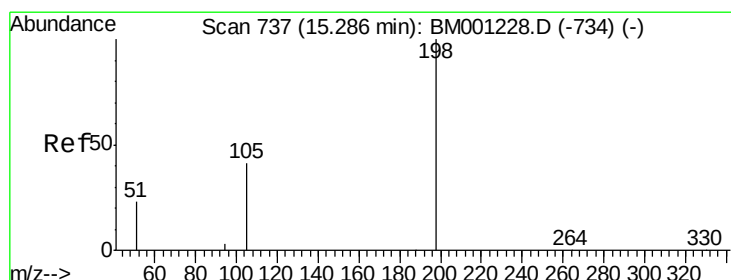
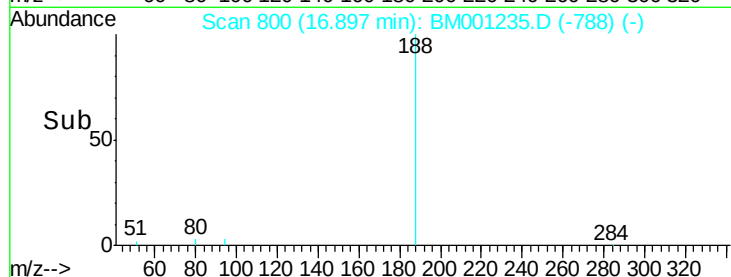
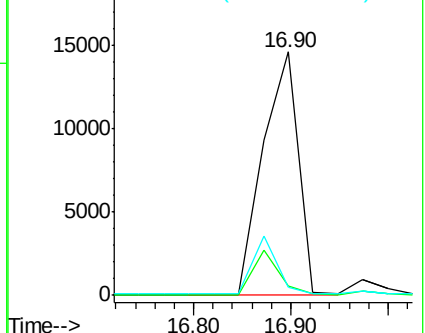
80 3.1 2.5 3.7



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



#24

4,6-Dinitro-2-methylphenol

Concen: 27.57 ng

RT: 15.29 min Scan# 737

Delta R.T. 0.00 min

Lab File: BM001235.D

Acq: 07 May 2015 02:39

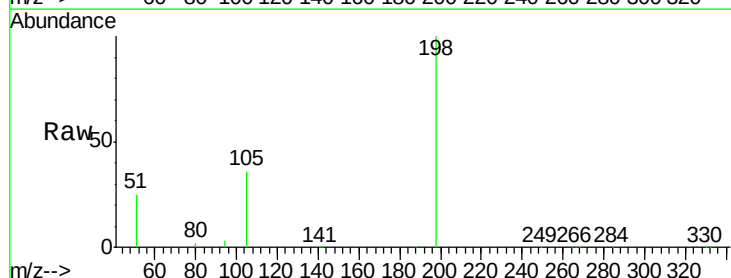
Tgt Ion:198 Resp: 68087

Ion Ratio Lower Upper

198 100

51 24.8 60.8 100.8#

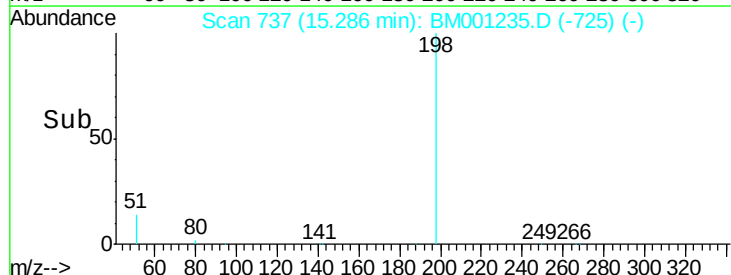
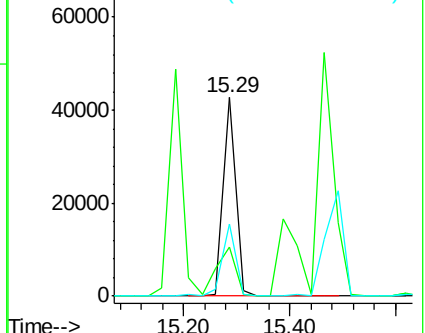
105 36.1 30.0 70.0

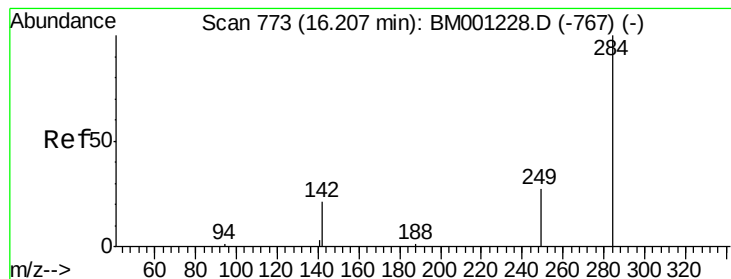


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E





#25

Hexachlorobenzene

Concen: 47.25 ng

RT: 16.21 min Scan# 773

Delta R.T. -0.00 min

Lab File: BM001235.D

Acq: 07 May 2015 02:39

Instrument :

BNA_M

ClientSampleId :

PB83180BS

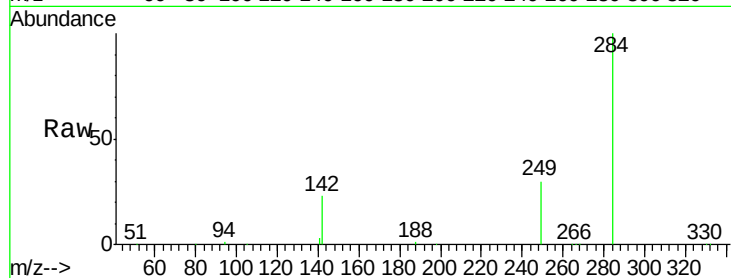
Tot Ion:284 Resp: 128080

Ion Ratio Lower Upper

284 100

142 29.5 23.3 34.9

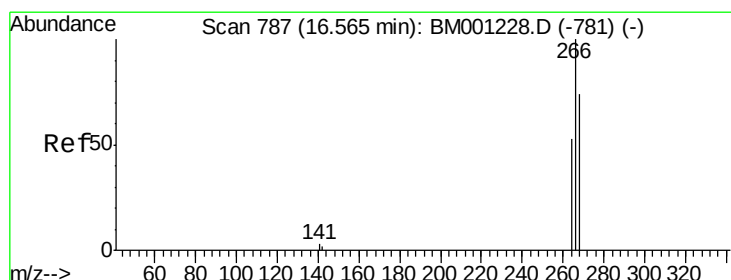
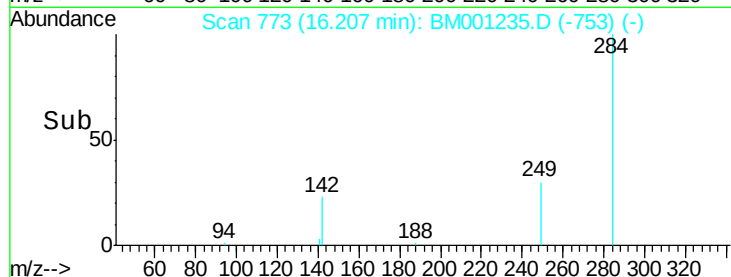
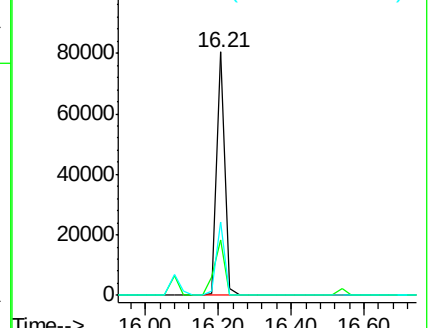
249 31.1 23.3 34.9



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: 101.21 ng

RT: 16.56 min Scan# 787

Delta R.T. 0.00 min

Lab File: BM001235.D

Acq: 07 May 2015 02:39

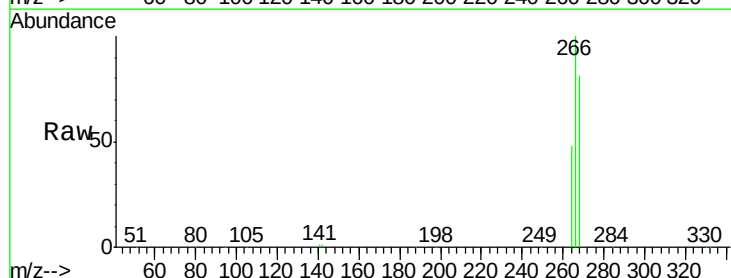
Tgt Ion:266 Resp: 103692

Ion Ratio Lower Upper

266 100

268 81.1 62.6 94.0

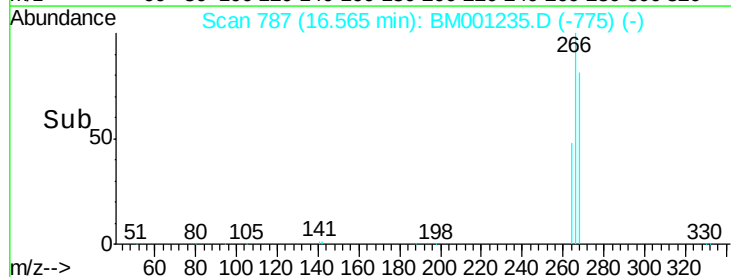
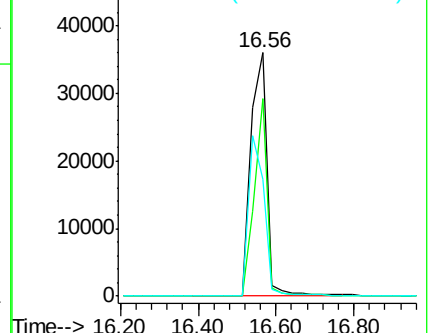
264 48.0 47.9 71.9

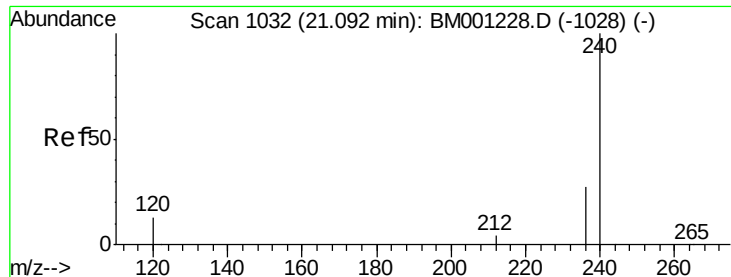


Abundance Ion 265.70 (265.40 to 266.40): E

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: BM001235.D

Acq: 07 May 2015 02:39

Instrument :

BNA_M

ClientSampleId :

PB83180BS

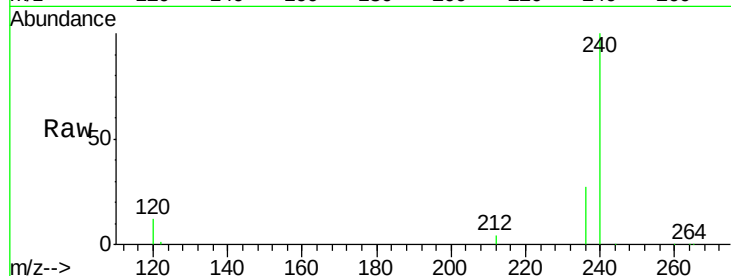
Tot Ion:240 Resp: 38060

Ion Ratio Lower Upper

240 100

120 11.8 10.4 15.6

236 27.4 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

21.09

40000

30000

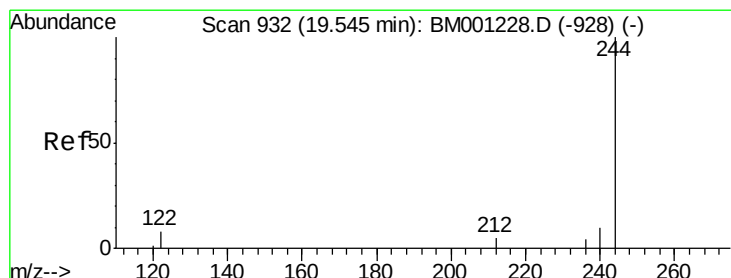
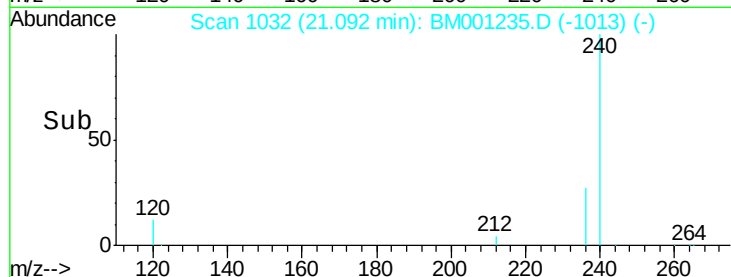
20000

10000

0

21.00 21.20 21.40

Time-->



#28

Terphenyl-d14

Concen: 89.35 ng

RT: 19.55 min Scan# 932

Delta R.T. -0.00 min

Lab File: BM001235.D

Acq: 07 May 2015 02:39

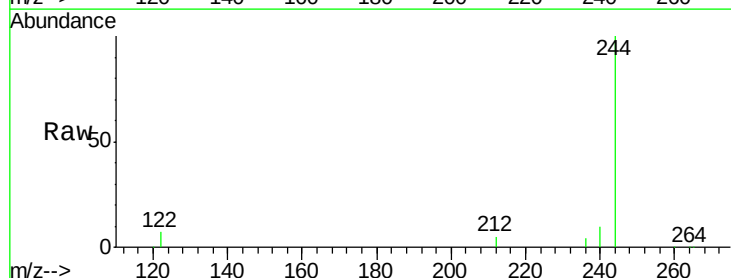
Tgt Ion:244 Resp: 447486

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

122 20.8 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

19.55

400000

300000

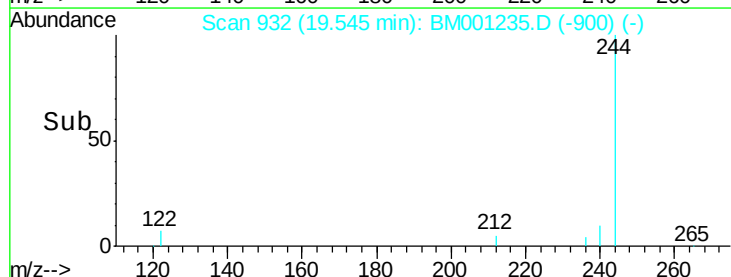
200000

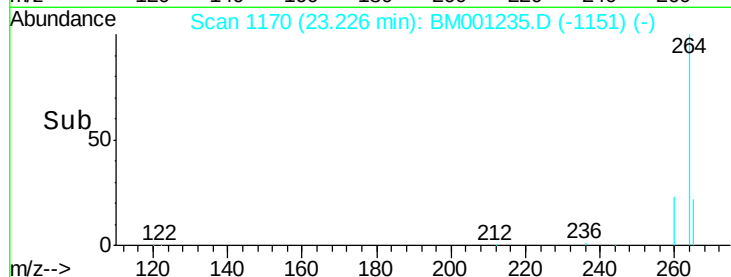
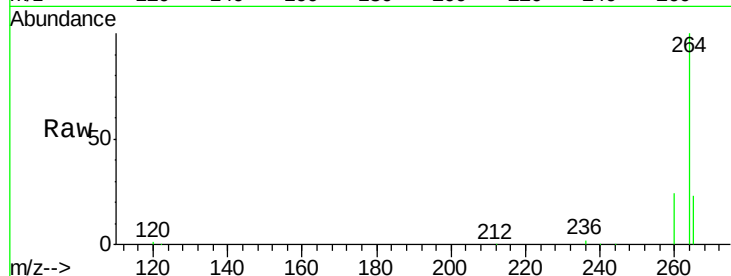
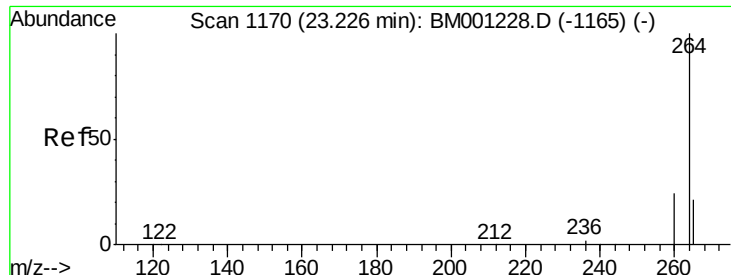
100000

0

19.50 20.00

Time-->





#29

Pervlene-d12

Concen: 5.00 ng

RT: 23.23 min Scan# 1170

Delta R.T. -0.00 min

Lab File: BM001235.D

Acq: 07 May 2015 02:39

Instrument :

BNA_M

ClientSampleId :

PB83180BS

Tot Ion: 264 Resp: 33584

Ion Ratio Lower Upper

264 100

260 23.7 19.7 29.5

265 23.3 17.4 26.2

