

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120415\
 Data File : BM003376.D
 Acq On : 03 Dec 2015 18:27
 Operator : UM/IZ
 Sample : G4480-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LIBERTYSF-002-SPLPSVOC3

Quant Time: Dec 04 00:19:09 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM120215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 02 16:19:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	278969	5.00	ng	0.00
7) Naphthalene-d8	10.51	136	1151451	5.00	ng	0.00
13) Acenaphthene-d10	14.37	164	637527	5.00	ng	0.00
19) Phenanthrene-d10	17.11	188	1388748	5.00	ng	0.00
26) Chrysene-d12	21.31	240	831105	5.00	ng	-0.02
35) Perylene-d12	23.58	264	756927	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.31	112	1047480	18.82	ng	0.00
5) Phenol-d6	6.88	99	836542	12.22	ng	0.00
8) Nitrobenzene-d5	8.89	82	1648367	30.71	ng	0.01
14) 2,4,6-Tribromophenol	15.86	330	639440	37.80	ng	0.00
15) 2-Fluorobiphenyl	13.00	172	4047739	21.09	ng	0.00
29) Terphenyl-d14	19.76	244	2241990	16.63	ng	0.00

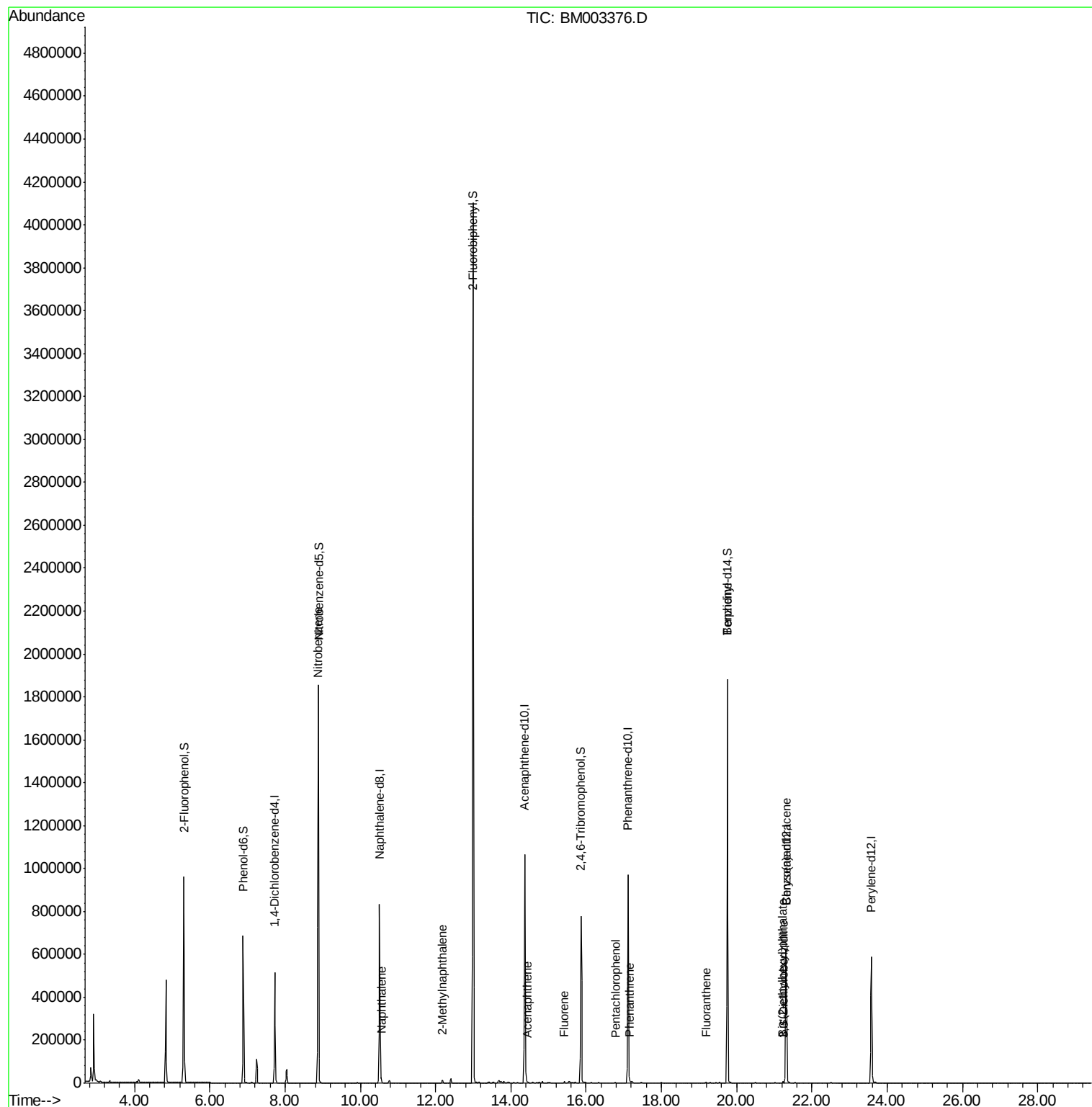
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Nitrobenzene	8.88	77	5268	0.09	ng	# 32
10) Naphthalene	10.56	128	34685	0.14	ng	# 96
12) 2-Methylnaphthalene	12.18	142	11734	0.07	ng	# 93
17) Acenaphthene	14.44	154	3545	0.02	ng	# 100
18) Fluorene	15.42	166	4918	0.03	ng	# 89
21) Hexachlorobenzene	16.42	284	21	Below Cal		# 5
22) Pentachlorophenol	16.78	266	784	0.36	ng	# 84
23) Phenanthrene	17.16	178	11003	0.04	ng	# 54
25) Fluoranthene	19.19	202	6557	0.02	ng	# 98
27) Benzidine	19.76	184	63635	0.96	ng	# 90
30) Benzo(a)anthracene	21.31	228	5061	0.02	ng	# 87
31) 3,3'-Dichlorobenzidine	21.25	252	23	0.09	ng	# 70
33) Bis(2-ethylhexyl)phthalate	21.23	149	7609	0.30	ng	# 96

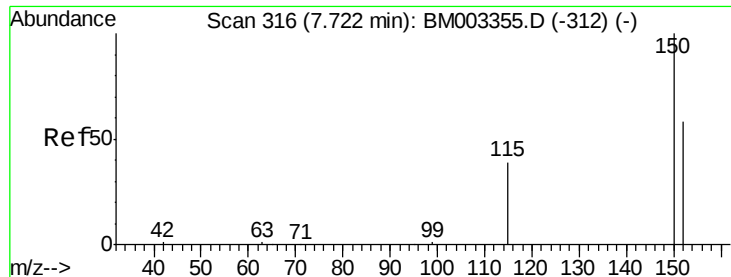
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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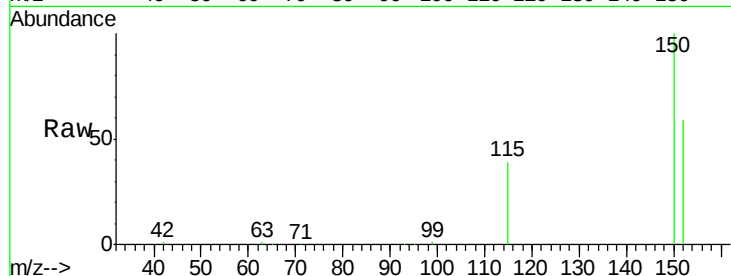




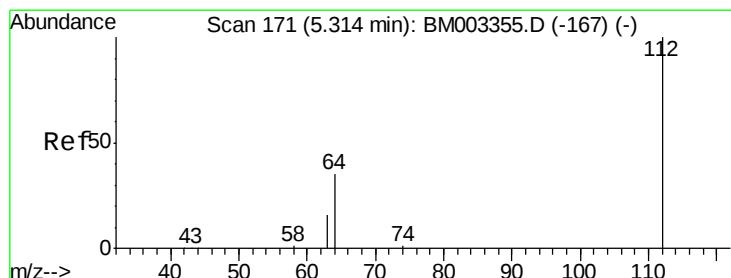
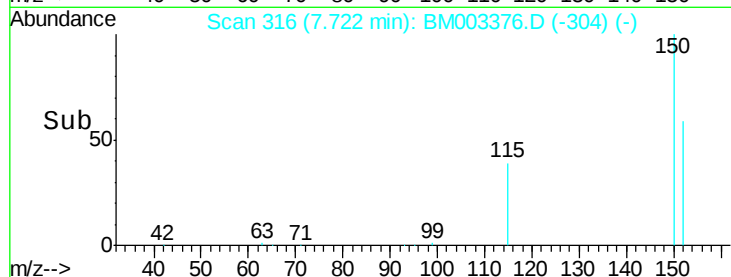
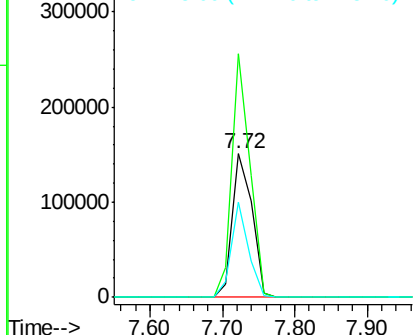
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.72 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: BM003376.D
 Acq: 03 Dec 2015 18:27

Instrument :
 BNA_M
 ClientSampleId :
 LIBERTYSF-002-SPLPSVOC3

Tgt Ion:152 Resp: 278969
 Ion Ratio Lower Upper
 152 100
 150 169.5 143.6 215.4
 115 65.9 58.5 87.7

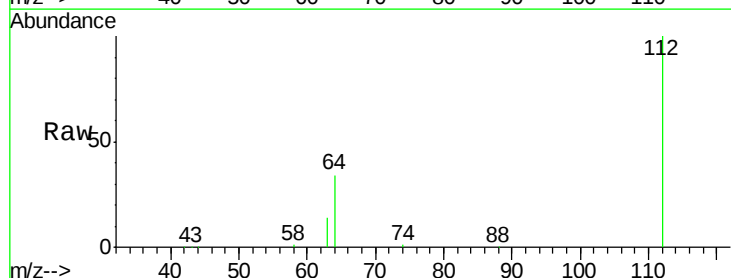


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

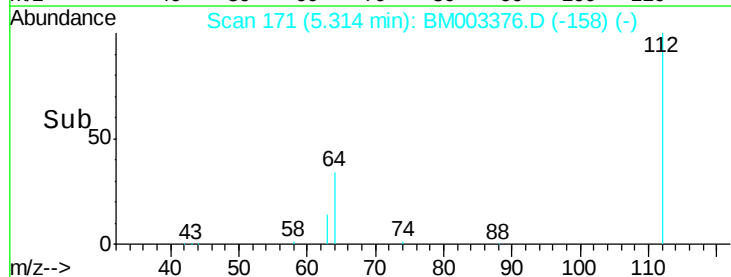
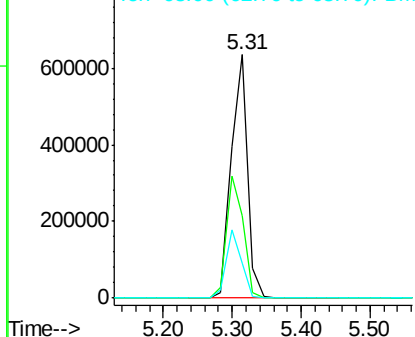


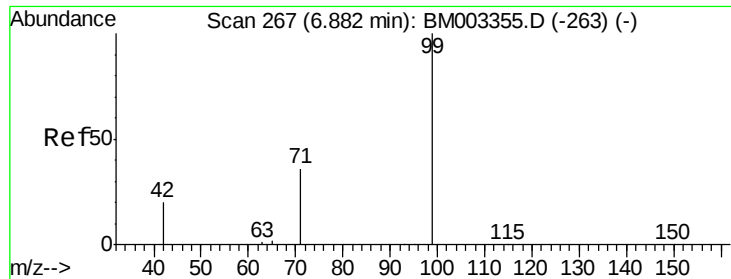
#4
 2-Fluorophenol
 Concen: 18.82 ng
 RT: 5.31 min Scan# 171
 Delta R.T. 0.00 min
 Lab File: BM003376.D
 Acq: 03 Dec 2015 18:27

Tgt Ion:112 Resp: 1047480
 Ion Ratio Lower Upper
 112 100
 64 51.3 41.2 61.8
 63 26.6 21.2 31.8



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





#5

Phenol-d6

Concen: 12.22 ng

RT: 6.88 min Scan# 267

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

Instrument :

BNA_M

ClientSampleId :

LIBERTYSF-002-SPLPSVOC3

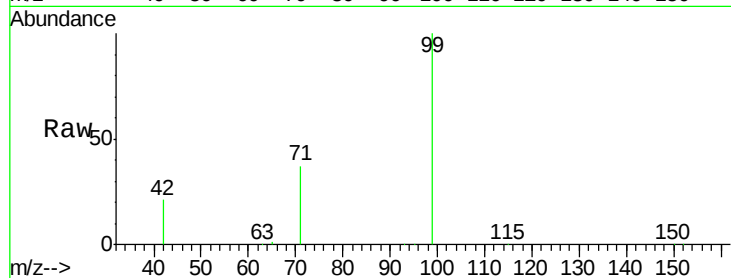
Tgt Ion: 99 Resp: 836542

Ion Ratio Lower Upper

99 100

42 17.5 14.6 22.0

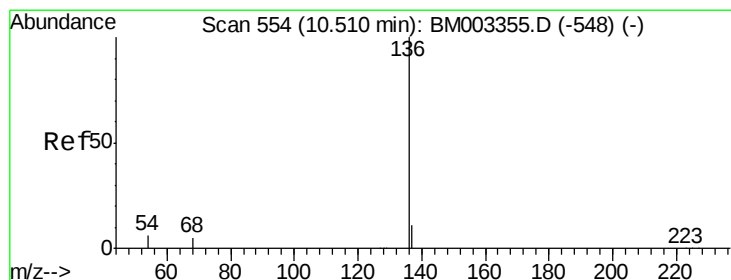
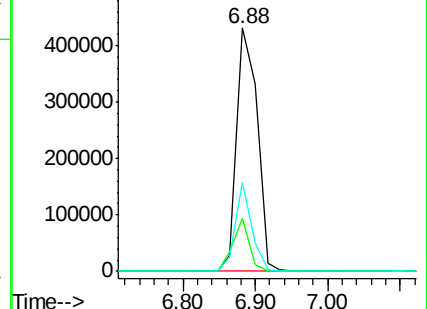
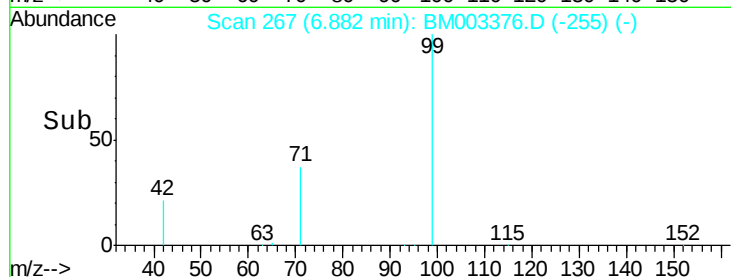
71 29.2 23.3 34.9



Abundance Ion 99.00 (98.70 to 99.70): BM003376.D (-255) (-)

Ion 42.00 (41.70 to 42.70): BM003376.D (-255) (-)

Ion 71.00 (70.70 to 71.70): BM003376.D (-255) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.51 min Scan# 554

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

Tgt Ion: 136 Resp: 1151451

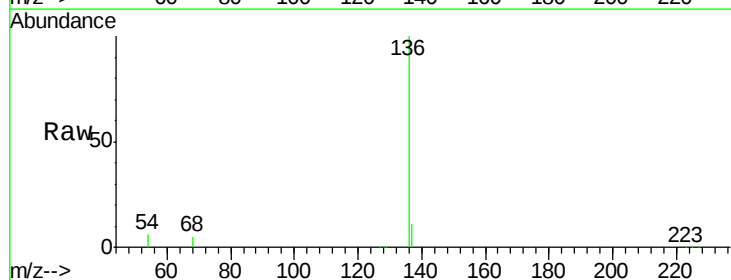
Ion Ratio Lower Upper

136 100

137 10.8 8.0 12.0

54 6.2 7.4 11.0#

68 5.2 5.8 8.6#

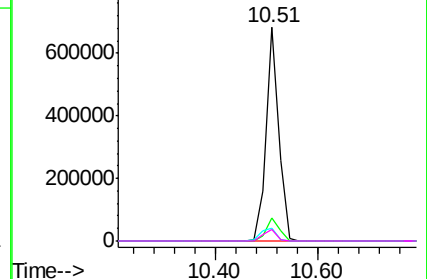
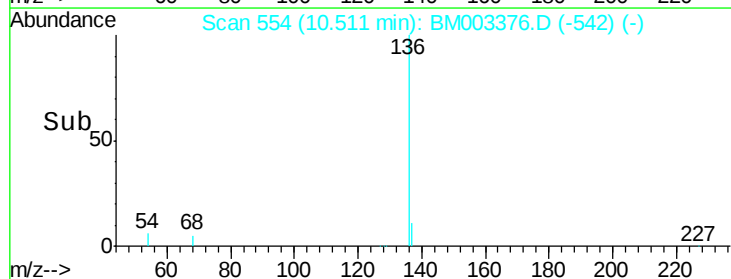


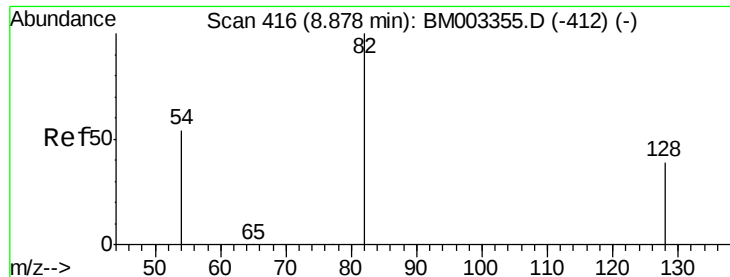
Abundance Ion 136.00 (135.70 to 136.70): BM003376.D (-542) (-)

Ion 137.00 (136.70 to 137.70): BM003376.D (-542) (-)

Ion 54.00 (53.70 to 54.70): BM003376.D (-542) (-)

Ion 68.00 (67.70 to 68.70): BM003376.D (-542) (-)





#8

Nitrobenzene-d5

Concen: 30.71 ng

RT: 8.89 min Scan# 417

Delta R.T. 0.01 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

Instrument :

BNA_M

ClientSampleId :

LIBERTYSF-002-SPLPSVOC3

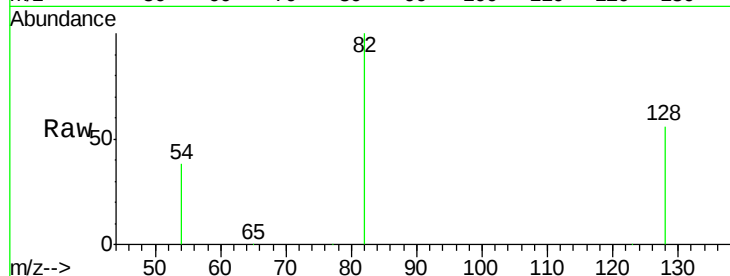
Tgt Ion: 82 Resp: 1648367

Ion Ratio Lower Upper

82 100

128 55.6 35.2 52.8#

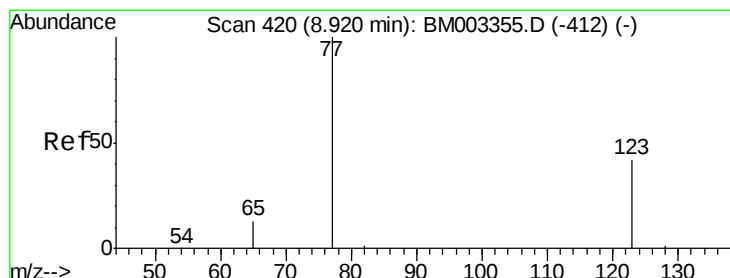
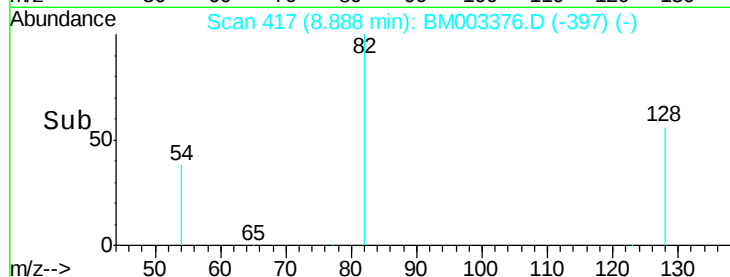
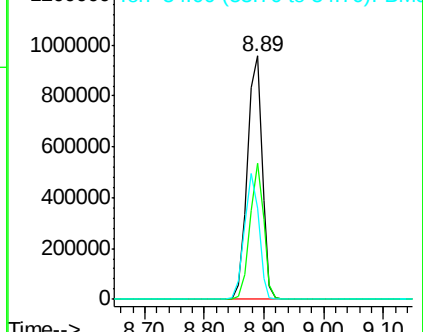
54 37.6 36.4 54.6



Abundance Ion 82.00 (81.70 to 82.70): BM003355.D (-412) (-)

Ion 128.00 (127.70 to 128.70): BM003355.D (-412) (-)

Ion 54.00 (53.70 to 54.70): BM003355.D (-412) (-)



#9

Nitrobenzene

Concen: 0.09 ng

RT: 8.88 min Scan# 416

Delta R.T. -0.04 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

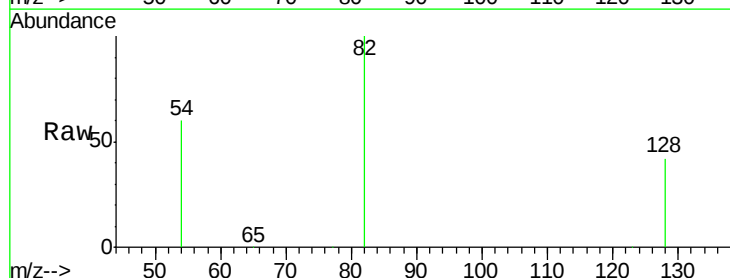
Tgt Ion: 77 Resp: 5268

Ion Ratio Lower Upper

77 100

123 0.0 37.7 56.5#

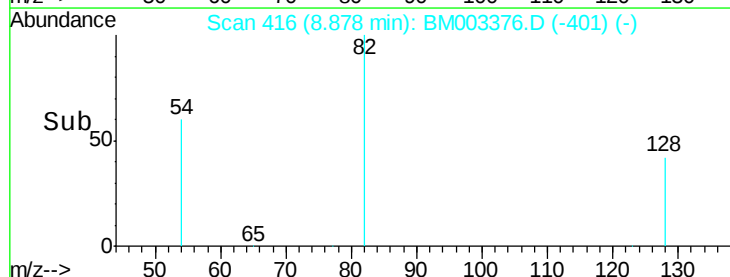
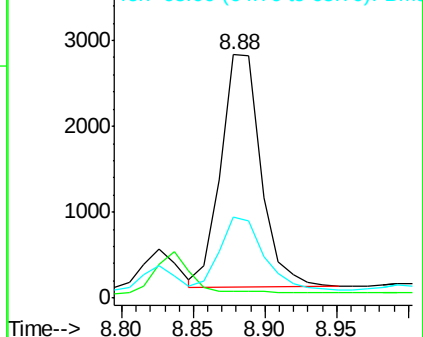
65 35.2 9.8 14.6#

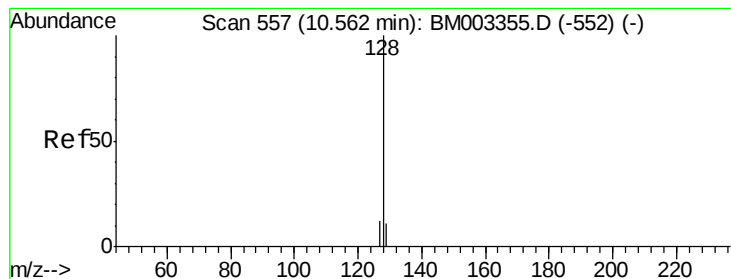


Abundance Ion 77.00 (76.70 to 77.70): BM003355.D (-412) (-)

Ion 123.00 (122.70 to 123.70): BM003355.D (-412) (-)

Ion 65.00 (64.70 to 65.70): BM003355.D (-412) (-)





#10

Naphthalene

Concen: 0.14 ng

RT: 10.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

Instrument :

BNA_M

ClientSampleId :

LIBERTYSF-002-SPLPSVOC3

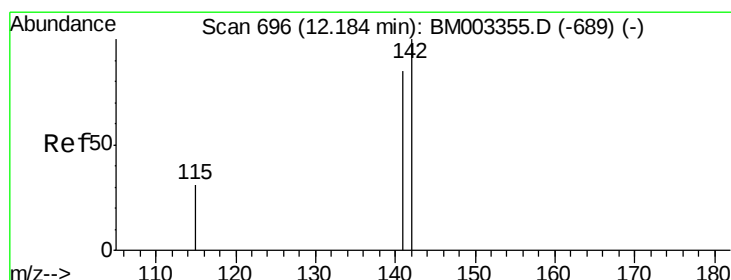
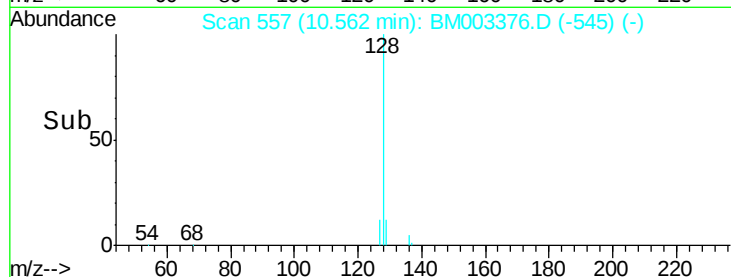
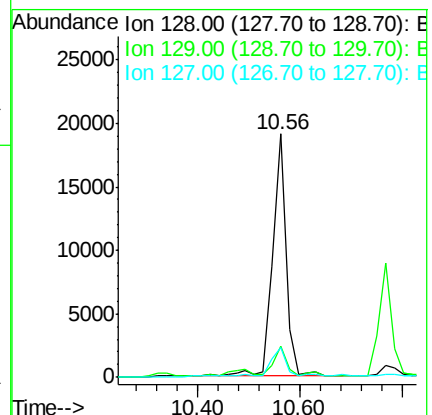
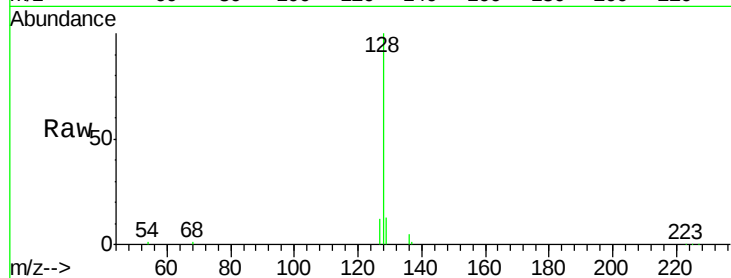
Tgt Ion:128 Resp: 34685

Ion Ratio Lower Upper

128 100

129 12.8 8.5 12.7#

127 12.5 10.6 16.0



#12

2-Methylnaphthalene

Concen: 0.07 ng

RT: 12.18 min Scan# 696

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

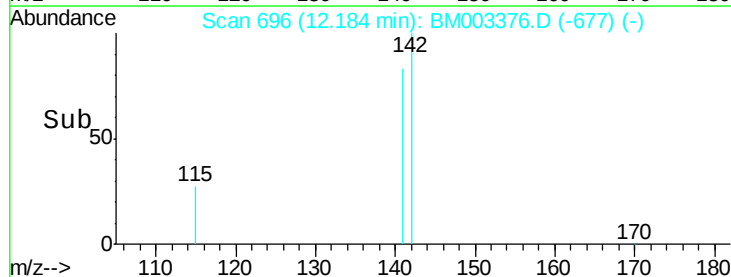
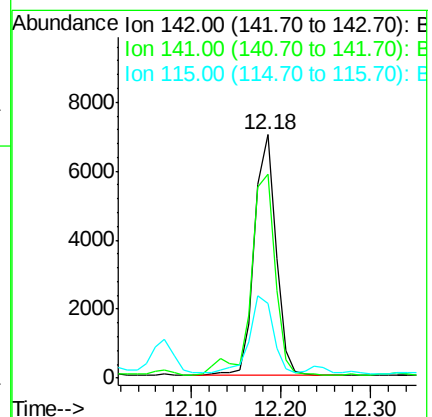
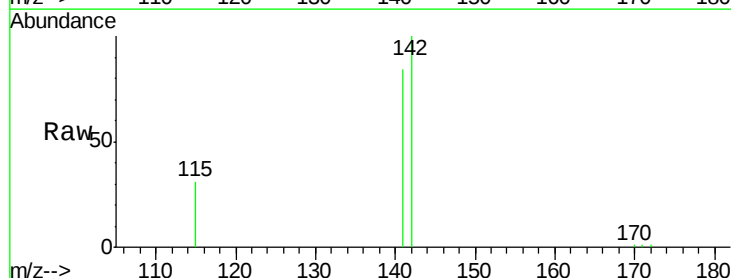
Tgt Ion:142 Resp: 11734

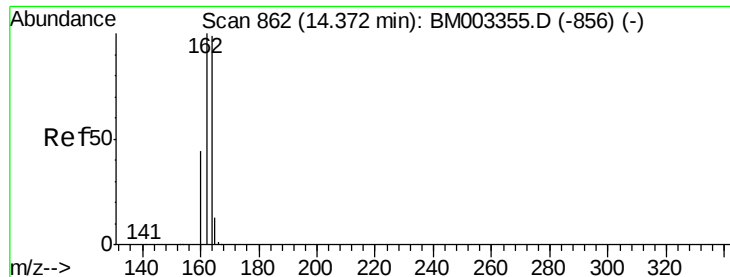
Ion Ratio Lower Upper

142 100

141 83.8 72.2 108.2

115 30.7 28.0 42.0





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.37 min Scan# 862

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

Instrument :

BNA_M

ClientSampleId :

LIBERTYSF-002-SPLPSVOC3

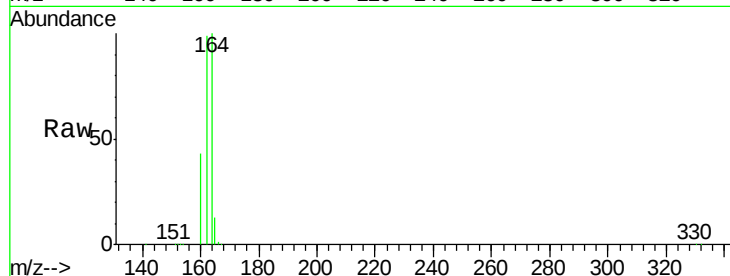
Tgt Ion:164 Resp: 637527

Ion Ratio Lower Upper

164 100

162 98.8 78.3 117.5

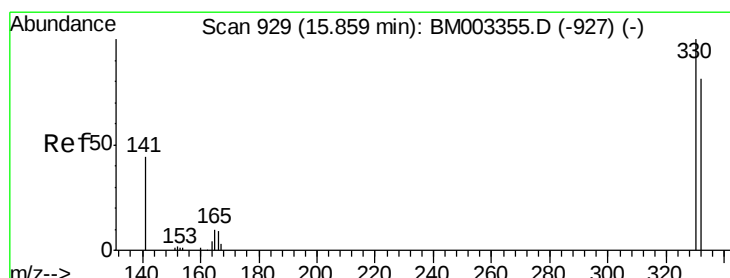
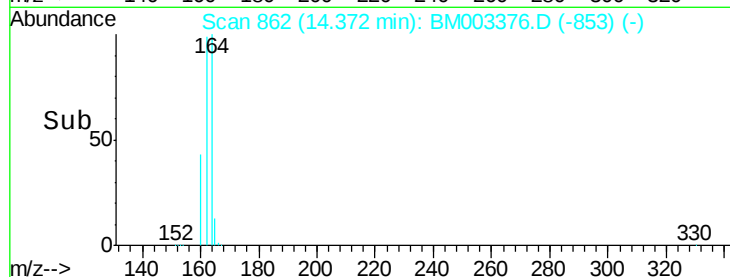
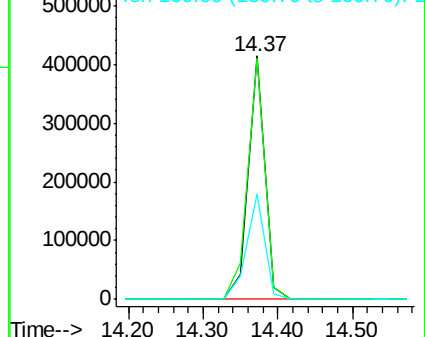
160 43.3 33.8 50.6



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



#14

2,4,6-Tribromophenol

Concen: 37.80 ng

RT: 15.86 min Scan# 929

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

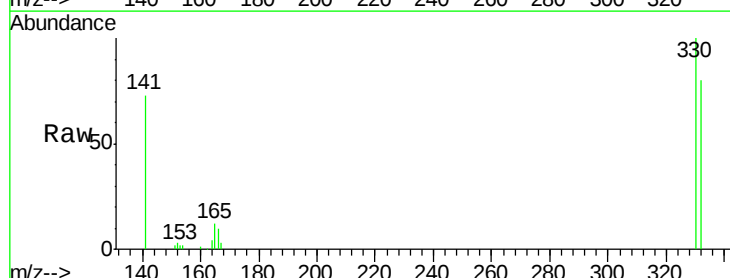
Tgt Ion:330 Resp: 639440

Ion Ratio Lower Upper

330 100

332 0.0 76.0 114.0#

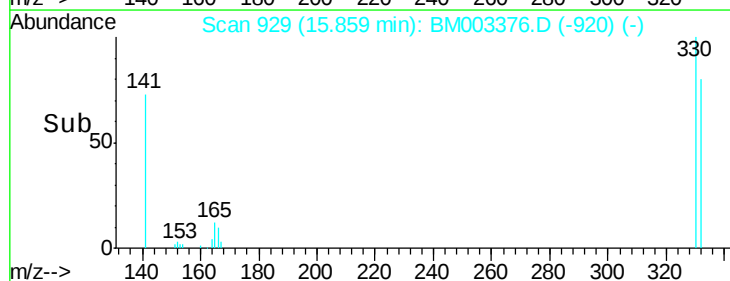
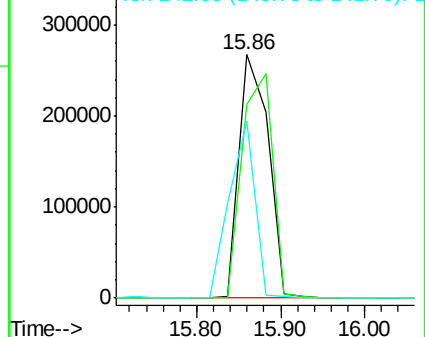
141 63.3 0.0 0.0#

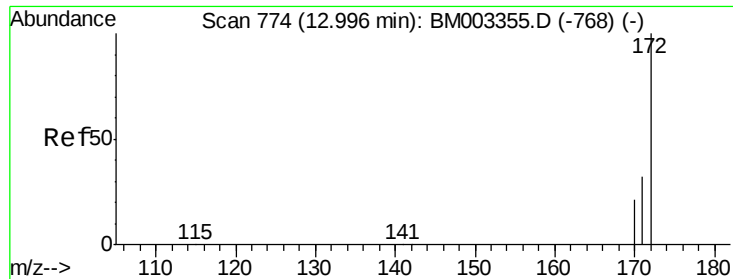


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

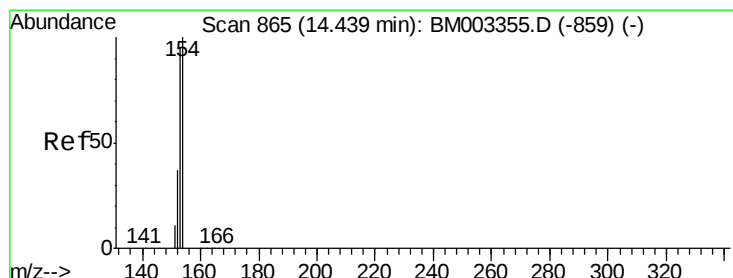
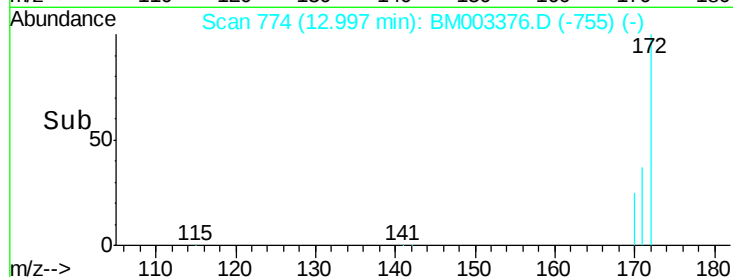
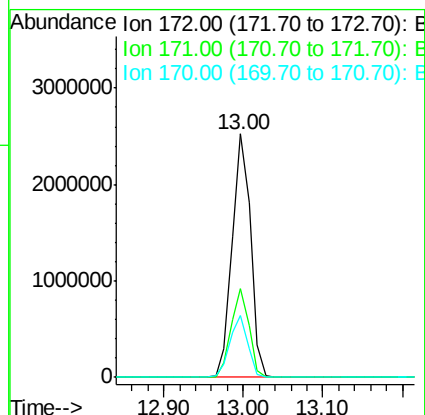
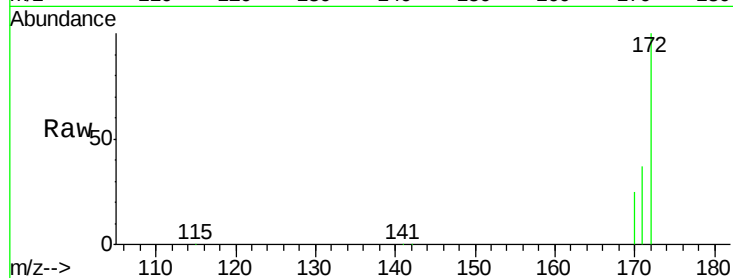




#15
2-Fluorobiphenyl
Concen: 21.09 ng
RT: 13.00 min Scan# 774
Delta R.T. 0.00 min
Lab File: BM003376.D
Acq: 03 Dec 2015 18:27

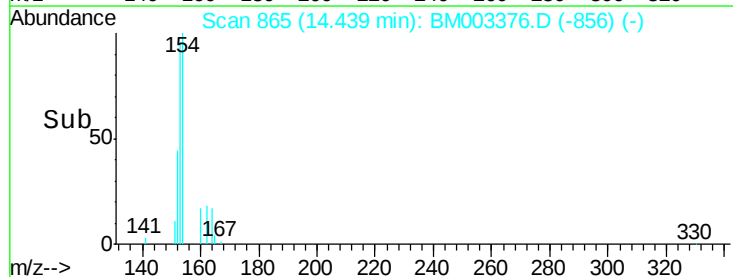
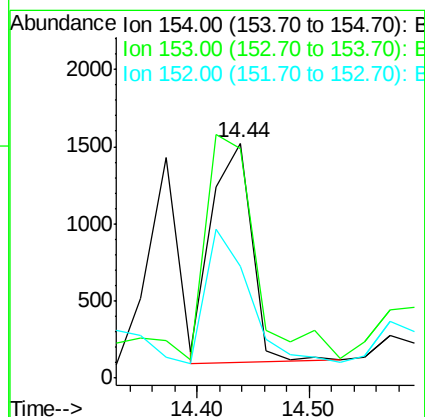
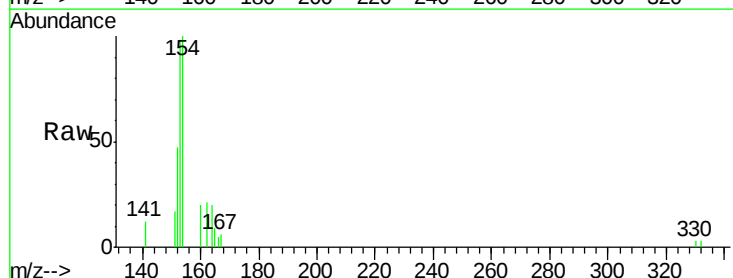
Instrument :
BNA_M
ClientSampleId :
LIBERTYSF-002-SPLPSVOC3

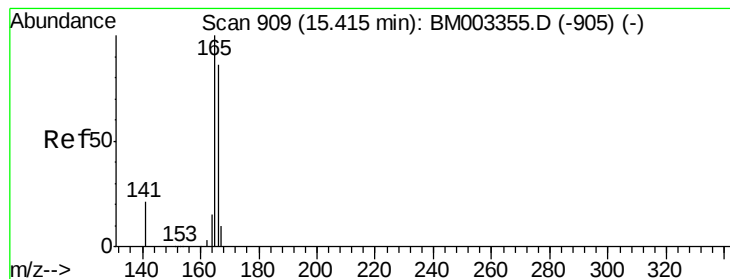
Tgt Ion:172 Resp: 4047739
Ion Ratio Lower Upper
172 100
171 36.6 28.0 42.0
170 25.2 18.9 28.3



#17
Acenaphthene
Concen: 0.02 ng
RT: 14.44 min Scan# 865
Delta R.T. 0.00 min
Lab File: BM003376.D
Acq: 03 Dec 2015 18:27

Tgt Ion:154 Resp: 3545
Ion Ratio Lower Upper
154 100
153 0.0 0.0 0.0
152 0.0 0.0 0.0





#18

Fluorene

Concen: 0.03 ng

RT: 15.42 min Scan# 909

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

Instrument :

BNA_M

ClientSampleId :

LIBERTYSF-002-SPLPSVOC3

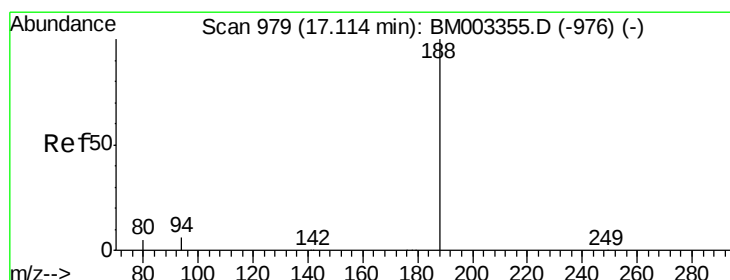
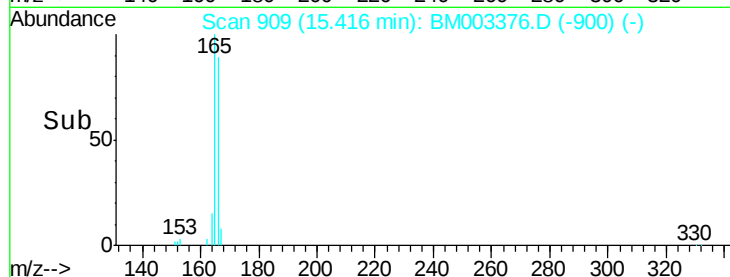
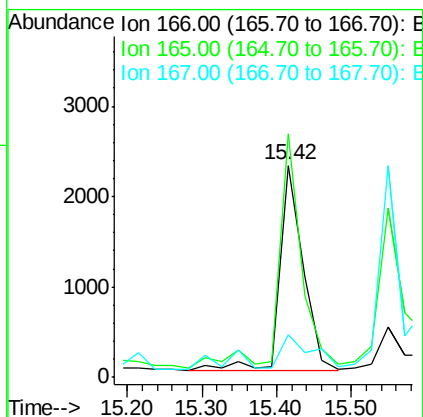
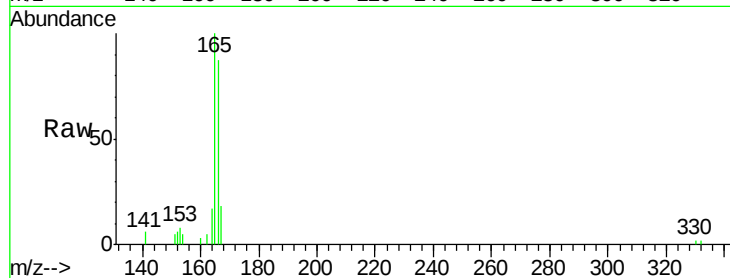
Tgt Ion:166 Resp: 4918

Ion Ratio Lower Upper

166 100

165 111.1 80.8 121.2

167 20.7 10.5 15.7#



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.11 min Scan# 979

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

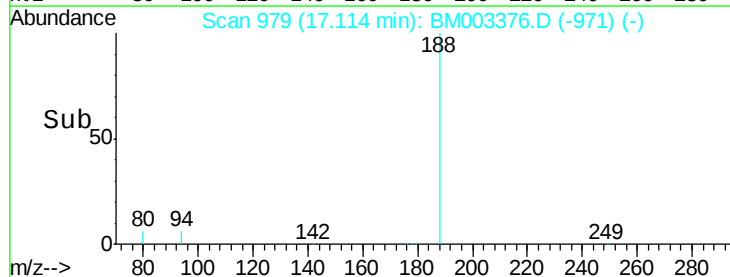
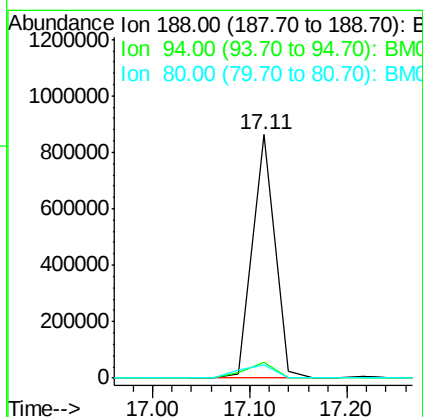
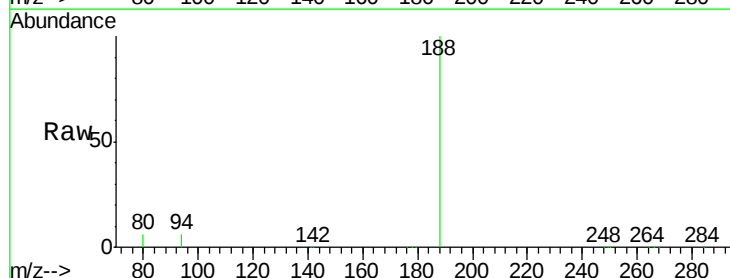
Tgt Ion:188 Resp: 1388748

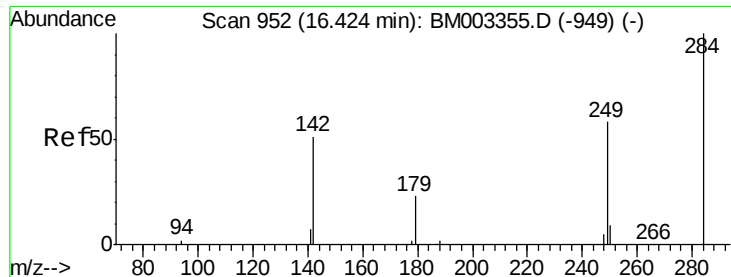
Ion Ratio Lower Upper

188 100

94 6.5 1.8 2.6#

80 5.6 1.4 2.0#

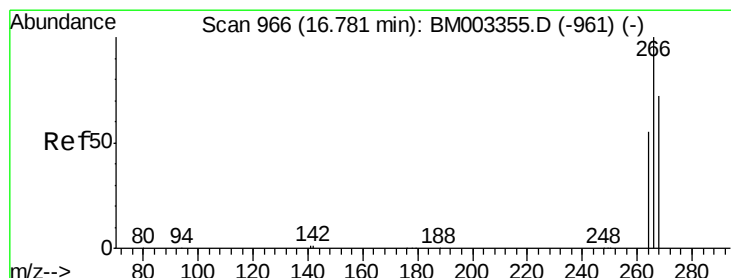
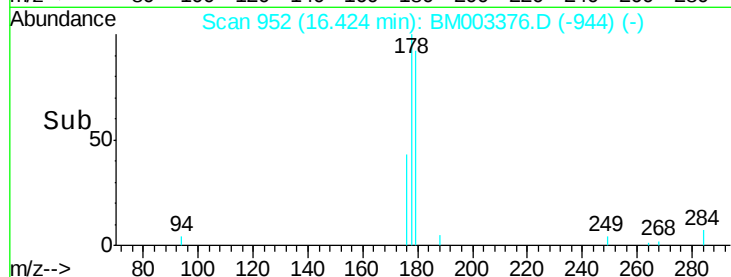
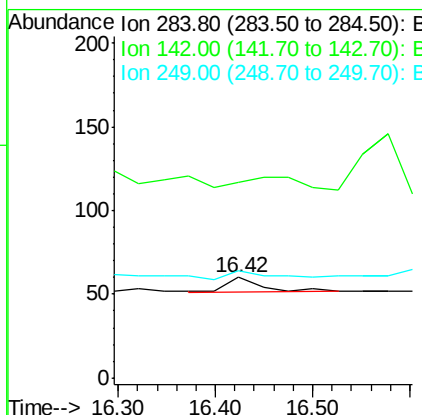
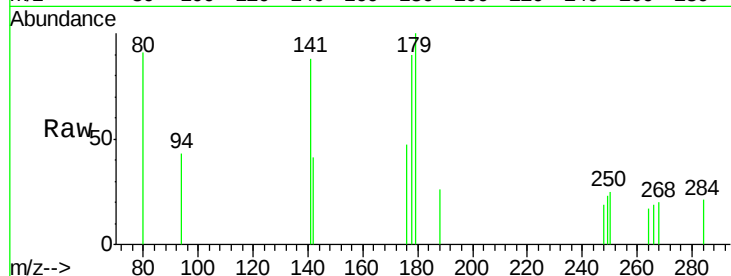




#21
Hexachlorobenzene
Concen: Below Cal
RT: 16.42 min Scan# 952
Delta R.T. 0.00 min
Lab File: BM003376.D
Acq: 03 Dec 2015 18:27

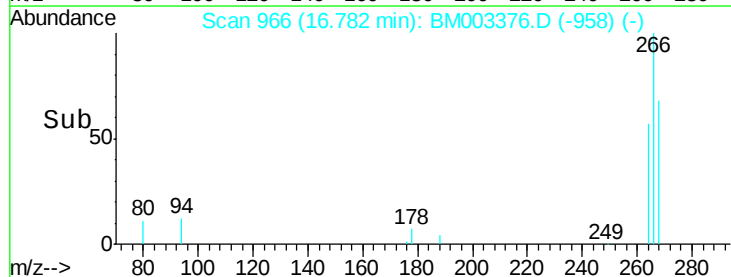
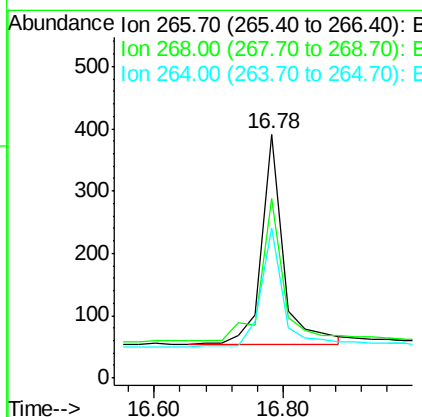
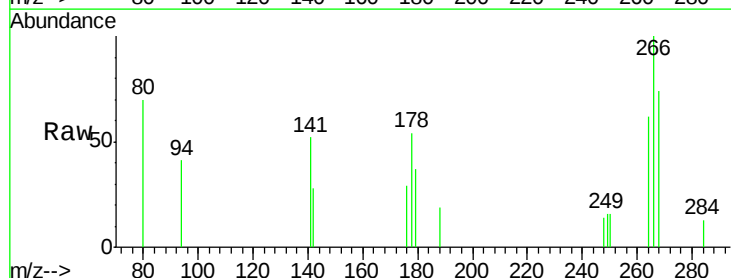
Instrument :
BNA_M
ClientSampleId :
LIBERTYSF-002-SPLPSVOC3

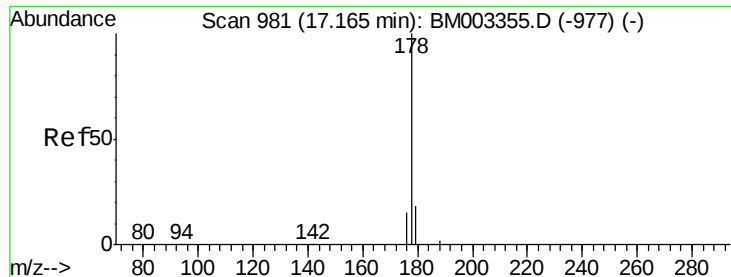
Tgt Ion: 284 Resp: 21
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 71.4 19.4 29.2#



#22
Pentachlorophenol
Concen: 0.36 ng
RT: 16.78 min Scan# 966
Delta R.T. 0.00 min
Lab File: BM003376.D
Acq: 03 Dec 2015 18:27

Tgt Ion: 266 Resp: 784
Ion Ratio Lower Upper
266 100
268 73.7 45.8 68.8#
264 61.6 56.7 85.1

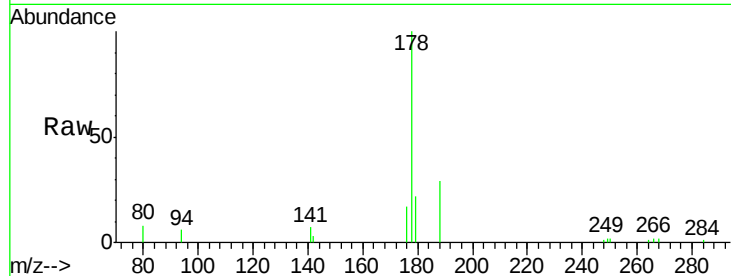




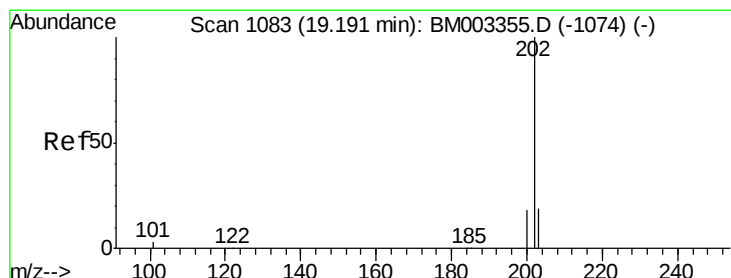
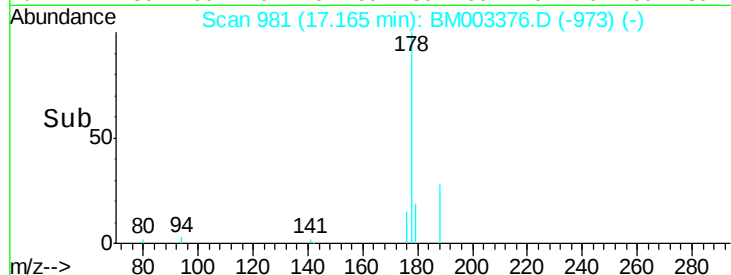
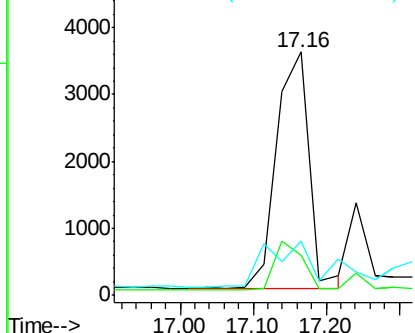
#23
Phenanthrene
Concen: 0.04 ng
RT: 17.16 min Scan# 981
Delta R.T. 0.00 min
Lab File: BM003376.D
Acq: 03 Dec 2015 18:27

Instrument :
BNA_M
ClientSampleId :
LIBERTYSF-002-SPLPSVOC3

Tgt Ion:178 Resp: 11003
Ion Ratio Lower Upper
178 100
176 0.0 15.9 23.9#
179 35.5 11.7 17.5#

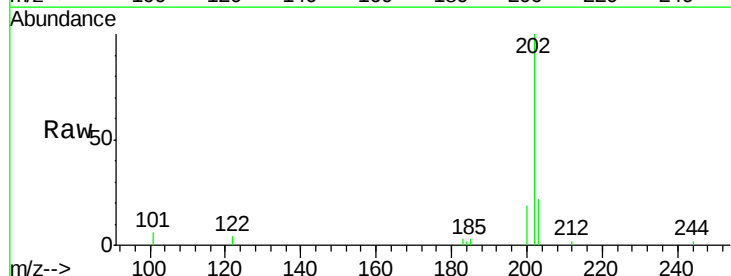


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

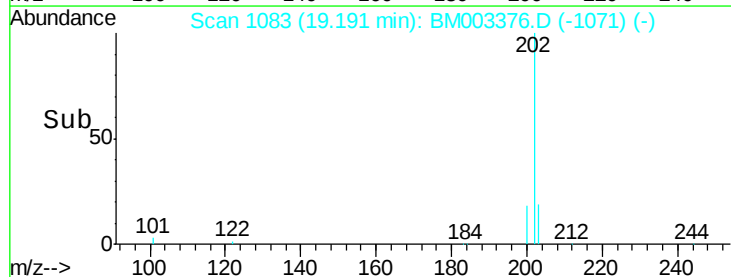
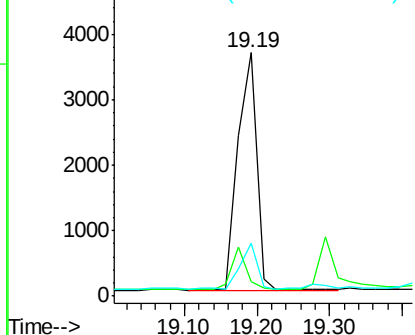


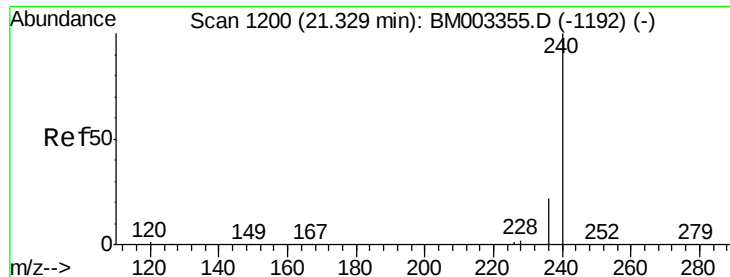
#25
Fluoranthene
Concen: 0.02 ng
RT: 19.19 min Scan# 1083
Delta R.T. 0.00 min
Lab File: BM003376.D
Acq: 03 Dec 2015 18:27

Tgt Ion:202 Resp: 6557
Ion Ratio Lower Upper
202 100
101 13.9 9.9 14.9
203 17.6 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

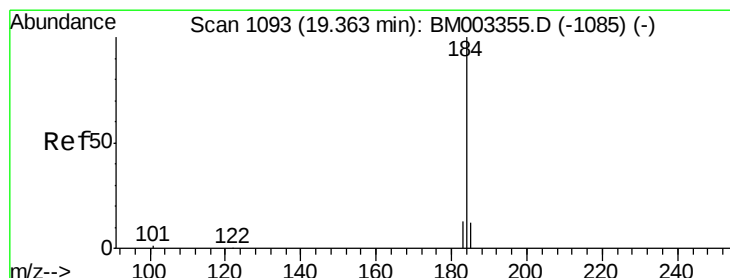
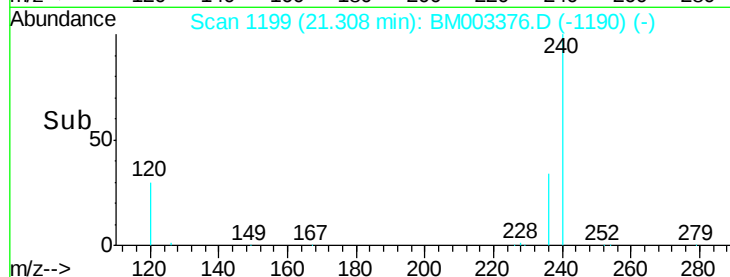
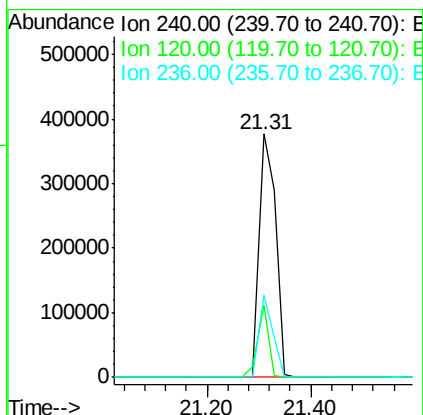
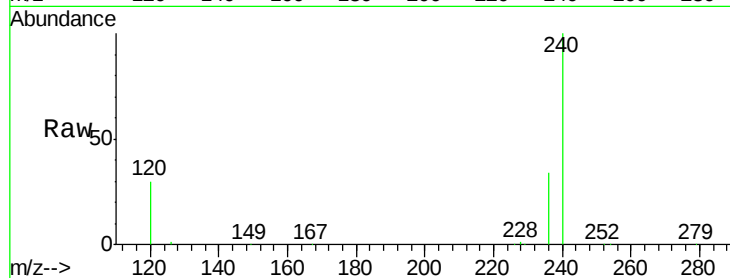




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1199
Delta R.T. -0.02 min
Lab File: BM003376.D
Acq: 03 Dec 2015 18:27

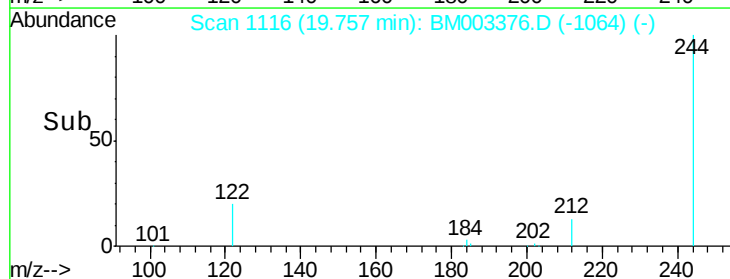
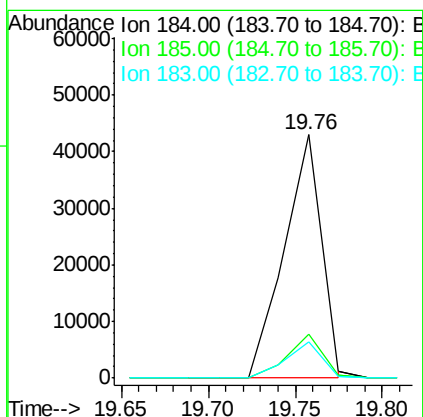
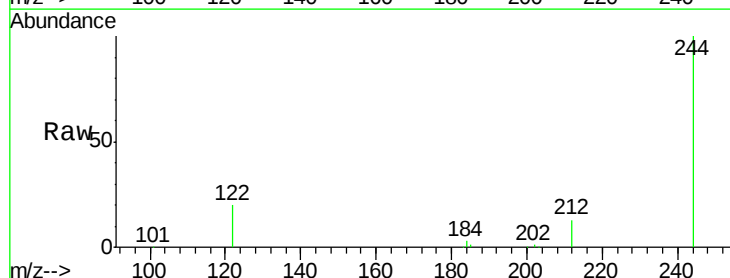
Instrument :
BNA_M
ClientSampleId :
LIBERTYSF-002-SPLPSVOC3

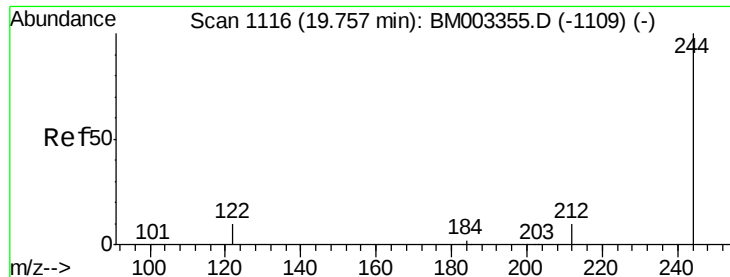
Tgt Ion:240 Resp: 831105
Ion Ratio Lower Upper
240 100
120 29.6 1.0 1.4#
236 34.0 17.9 26.9#



#27
Benzidine
Concen: 0.96 ng
RT: 19.76 min Scan# 1116
Delta R.T. 0.40 min
Lab File: BM003376.D
Acq: 03 Dec 2015 18:27

Tgt Ion:184 Resp: 63635
Ion Ratio Lower Upper
184 100
185 18.2 11.6 17.4#
183 14.7 8.6 13.0#





#29

Terphenyl-d14

Concen: 16.63 ng

RT: 19.76 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

Instrument :

BNA_M

ClientSampleId :

LIBERTYSF-002-SPLPSVOC3

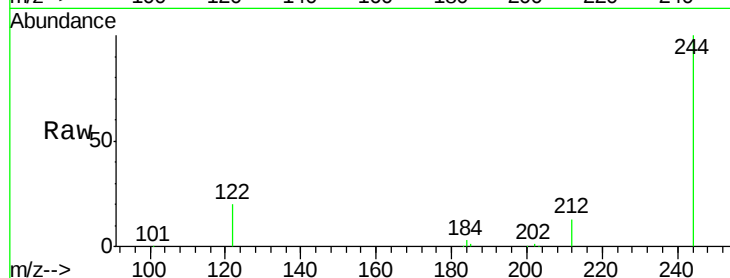
Tgt Ion:244 Resp: 2241990

Ion Ratio Lower Upper

244 100

212 12.5 6.5 9.7#

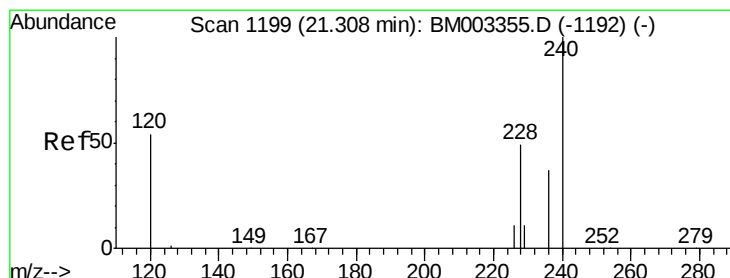
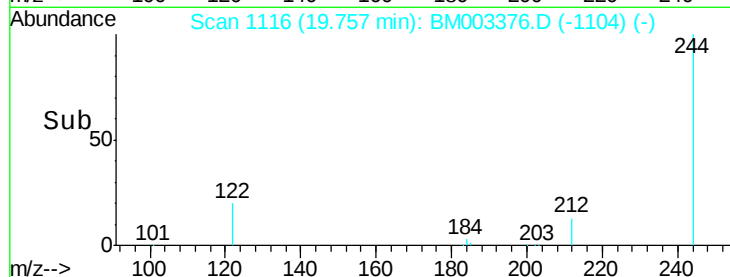
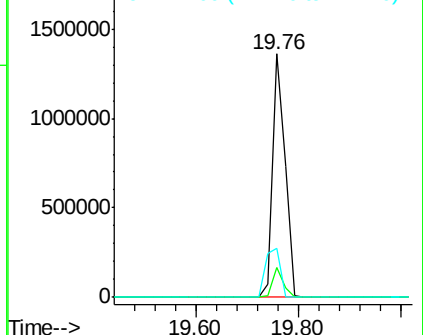
122 20.2 2.0 3.0#



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



#30

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.31 min Scan# 1199

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

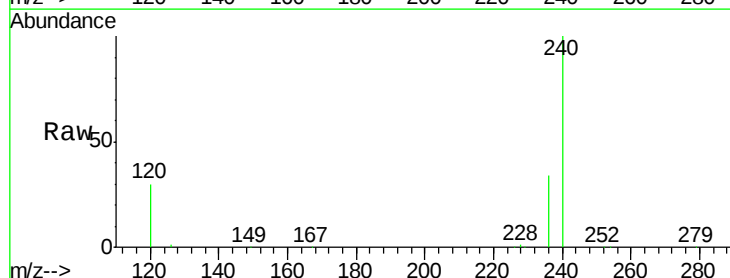
Tgt Ion:228 Resp: 5061

Ion Ratio Lower Upper

228 100

226 13.9 17.8 26.6#

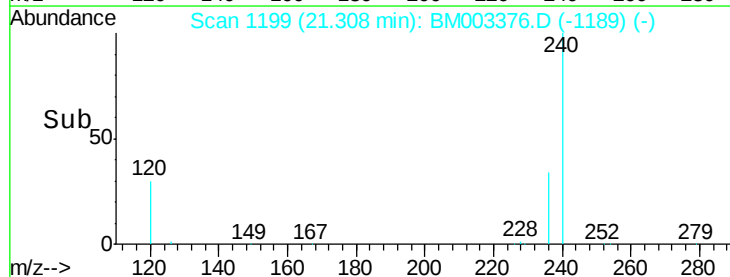
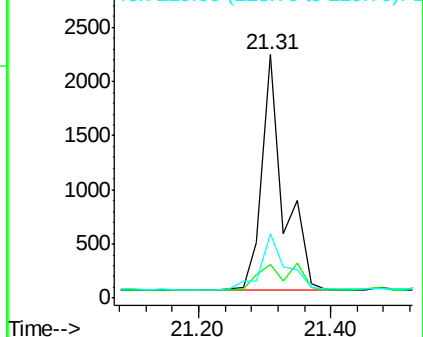
229 26.5 18.0 27.0

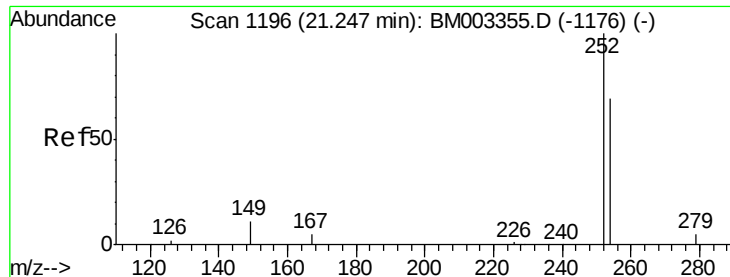


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

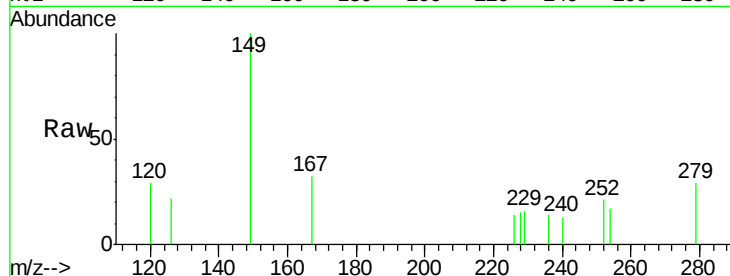




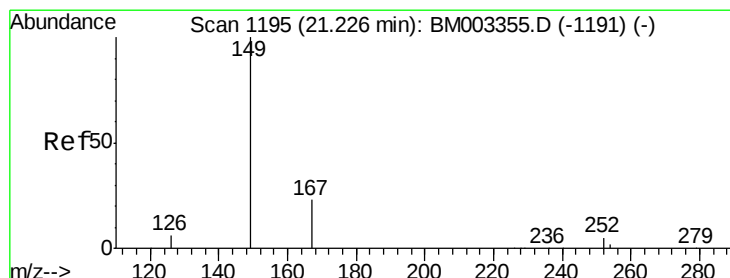
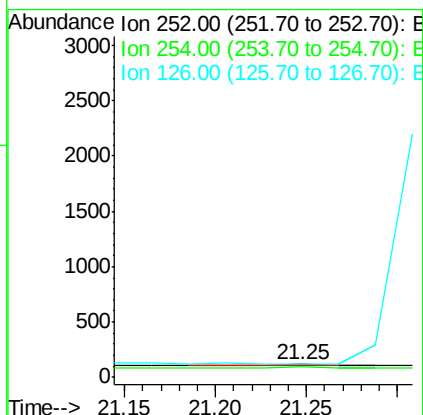
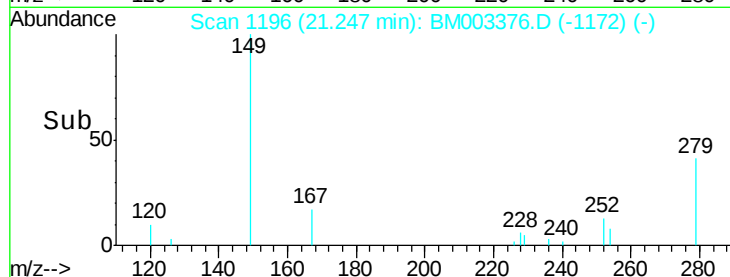
#31
 3,3'-Dichlorobenzidine
 Concen: 0.09 ng
 RT: 21.25 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: BM003376.D
 Acq: 03 Dec 2015 18:27

Instrument :
 BNA_M
 ClientSampleId :
 LIBERTYSF-002-SPLPSVOC3

Tgt Ion: 252 Resp: 23
 Ion Ratio Lower Upper
 252 100
 254 79.8 53.7 80.5
 126 105.3 2.8 4.2#

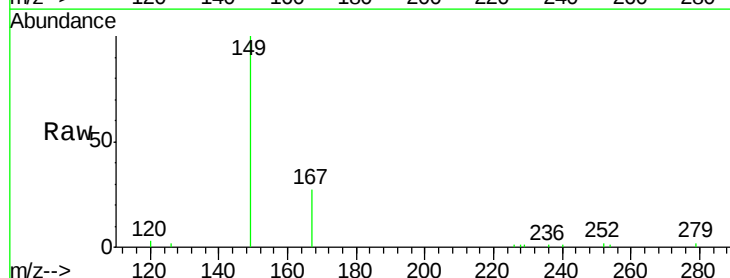


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

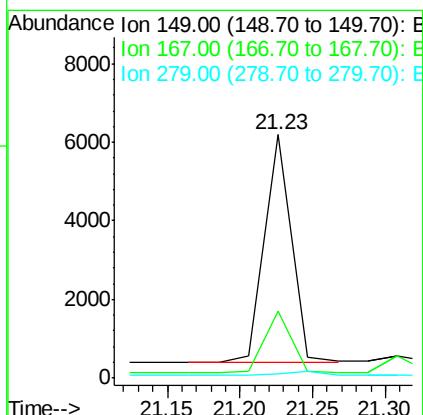
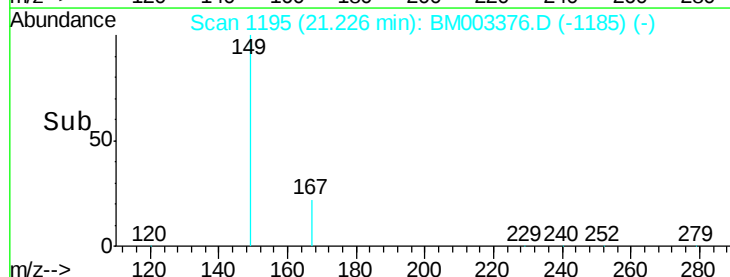


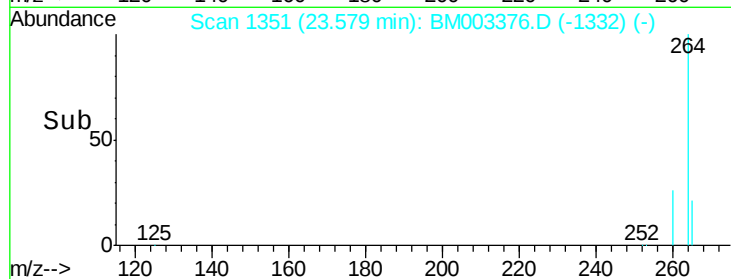
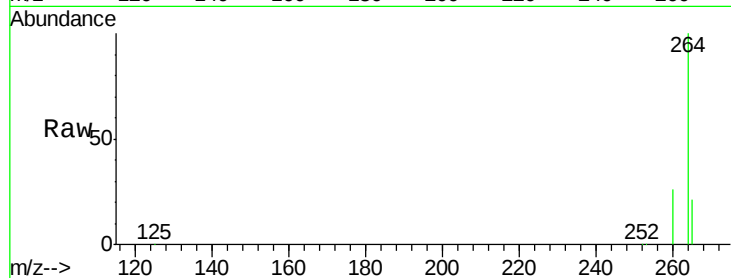
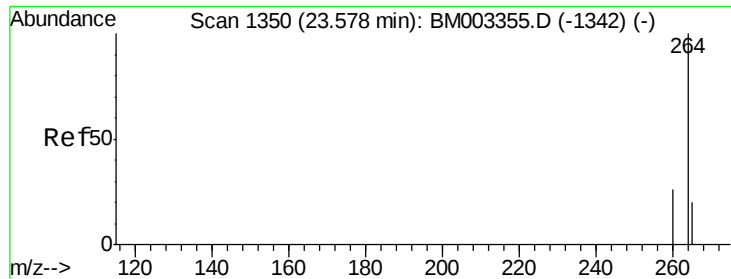
#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.30 ng
 RT: 21.23 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: BM003376.D
 Acq: 03 Dec 2015 18:27

Tgt Ion: 149 Resp: 7609
 Ion Ratio Lower Upper
 149 100
 167 26.3 19.6 29.4
 279 0.0 0.0 0.0



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E





#35

Perylene-d12

Concen: 5.00 ng

RT: 23.58 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

Instrument :

BNA_M

ClientSampleId :

LIBERTYSF-002-SPLPSVOC3

Tgt Ion: 264 Resp: 756927

Ion Ratio Lower Upper

264 100

260 25.9 19.6 29.4

265 21.4 18.4 27.6

