

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120415\
 Data File : BM003375.D
 Acq On : 03 Dec 2015 17:51
 Operator : UM/IZ
 Sample : G4480-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LIBERTYSF-002-SPLPSVOC2

Quant Time: Dec 04 00:18:46 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

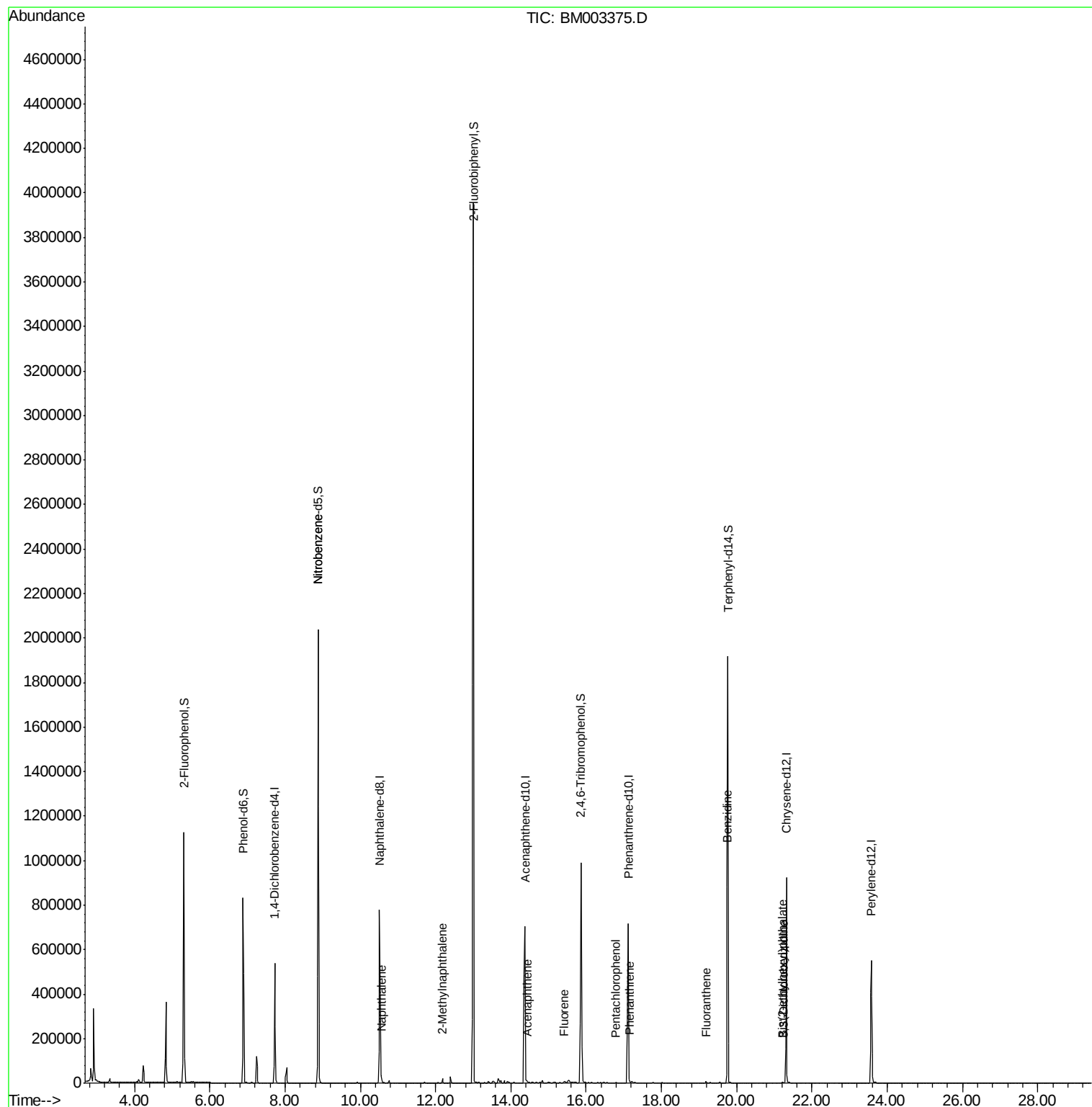
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	282041	5.00	ng	0.00
7) Naphthalene-d8	10.51	136	1157813	5.00	ng	0.00
13) Acenaphthene-d10	14.38	164	598558	5.00	ng	0.00
19) Phenanthrene-d10	17.12	188	1213754	5.00	ng	0.00
26) Chrysene-d12	21.32	240	949492	5.00	ng	-0.01
35) Perylene-d12	23.58	264	717966	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	1233015	21.91	ng	0.00
5) Phenol-d6	6.88	99	1022045	14.76	ng	0.00
8) Nitrobenzene-d5	8.88	82	1714457	31.77	ng	0.00
14) 2,4,6-Tribromophenol	15.87	330	671533	42.26	ng	0.00
15) 2-Fluorobiphenyl	13.00	172	4213311	23.38	ng	0.00
29) Terphenyl-d14	19.76	244	2214856	14.38	ng	0.00
Target Compounds						Qvalue
9) Nitrobenzene	8.88	77	5515	0.09	ng	# 31
10) Naphthalene	10.56	128	41973	0.17	ng	# 97
12) 2-Methylnaphthalene	12.18	142	15158	0.09	ng	# 99
17) Acenaphthene	14.42	154	7500	0.05	ng	# 100
18) Fluorene	15.42	166	7150	0.04	ng	# 97
21) Hexachlorobenzene	16.43	284	46	Below Cal		# 90
22) Pentachlorophenol	16.79	266	801	0.37	ng	# 80
23) Phenanthrene	17.15	178	15633	0.07	ng	# 92
25) Fluoranthene	19.18	202	7248	0.03	ng	# 99
27) Benzidine	19.75	184	63261	0.88	ng	# 97
31) 3,3'-Dichlorobenzidine	21.24	252	68	0.09	ng	# 72
33) Bis(2-ethylhexyl)phthalate	21.22	149	4608	0.28	ng	# 51

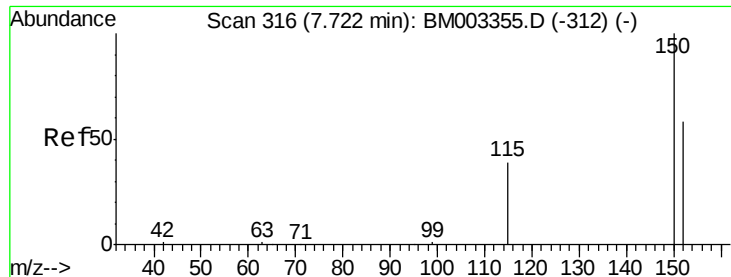
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM120215.M
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QLast Update : Wed Dec 02 16:19:00 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.72 min Scan# 316

Delta R.T. -0.00 min

Lab File: BM003375.D

Acq: 03 Dec 2015 17:51

Instrument :

BNA_M

ClientSampleId :

LIBERTYSF-002-SPLPSVOC2

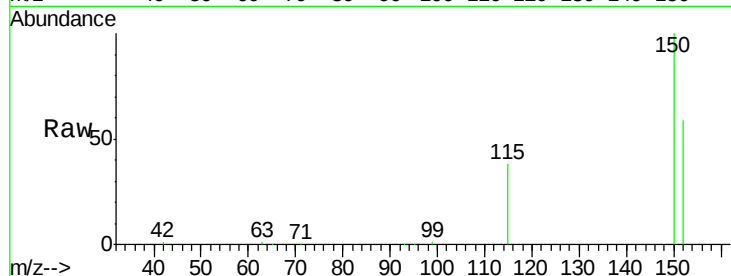
Tgt Ion:152 Resp: 282041

Ion Ratio Lower Upper

152 100

150 168.2 143.6 215.4

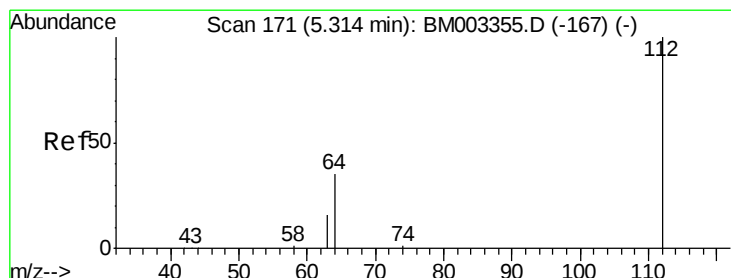
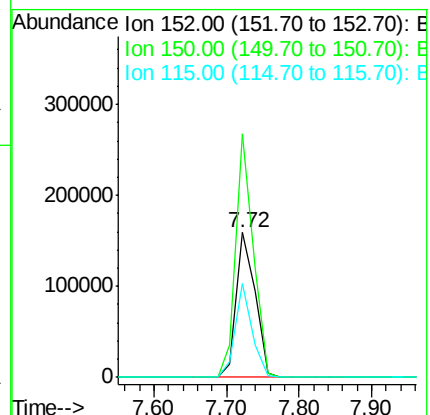
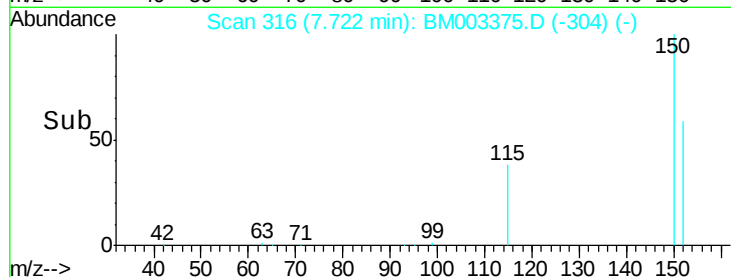
115 64.5 58.5 87.7



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: 21.91 ng

RT: 5.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: BM003375.D

Acq: 03 Dec 2015 17:51

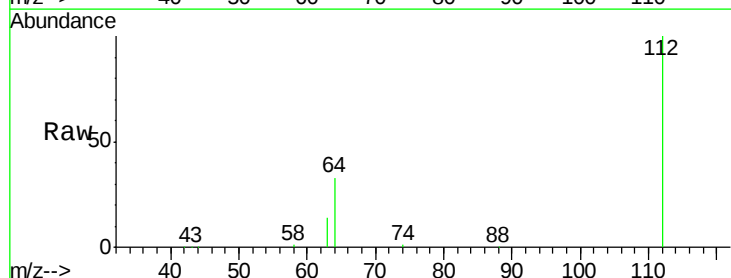
Tgt Ion:112 Resp: 1233015

Ion Ratio Lower Upper

112 100

64 50.5 41.2 61.8

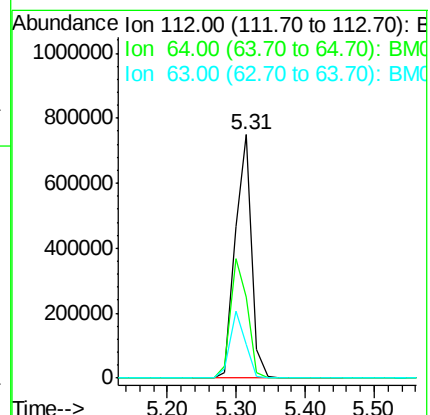
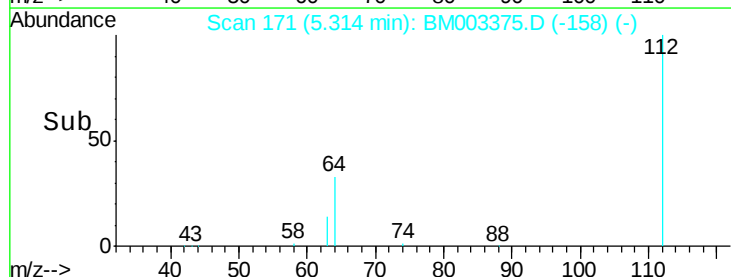
63 26.2 21.2 31.8

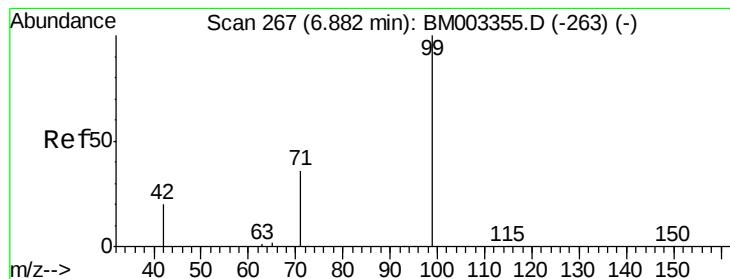


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#5

Phenol-d6

Concen: 14.76 ng

RT: 6.88 min Scan# 267

Delta R.T. -0.00 min

Lab File: BM003375.D

Acq: 03 Dec 2015 17:51

Instrument :

BNA_M

ClientSampleId :

LIBERTYSF-002-SPLPSVOC2

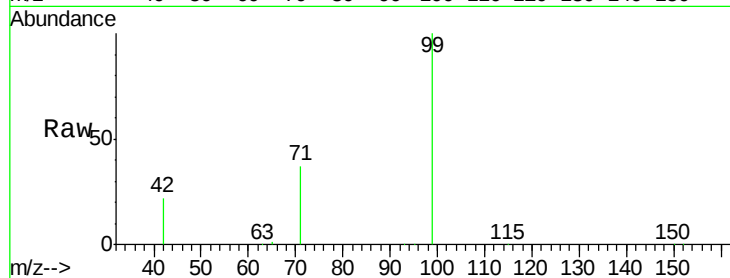
Tgt Ion: 99 Resp: 1022045

Ion Ratio Lower Upper

99 100

42 17.6 14.6 22.0

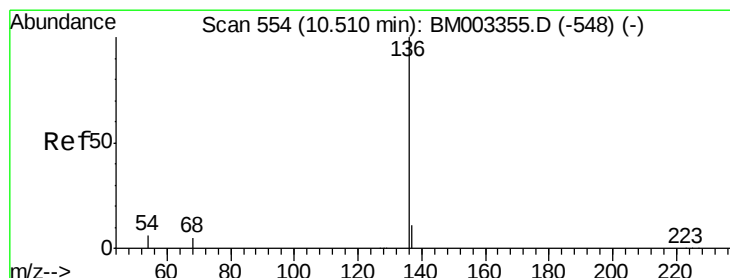
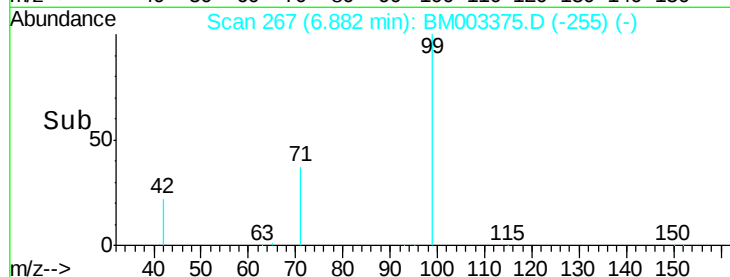
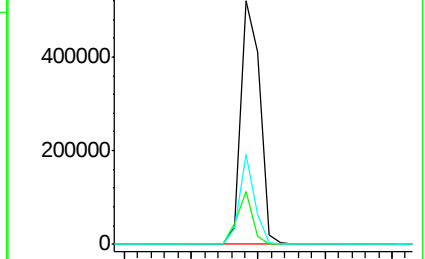
71 29.5 23.3 34.9



Abundance Ion 99.00 (98.70 to 99.70): BM003375.D (-255) (-)

Ion 42.00 (41.70 to 42.70): BM003375.D (-255) (-)

Ion 71.00 (70.70 to 71.70): BM003375.D (-255) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.51 min Scan# 553

Delta R.T. -0.00 min

Lab File: BM003375.D

Acq: 03 Dec 2015 17:51

Tgt Ion: 136 Resp: 1157813

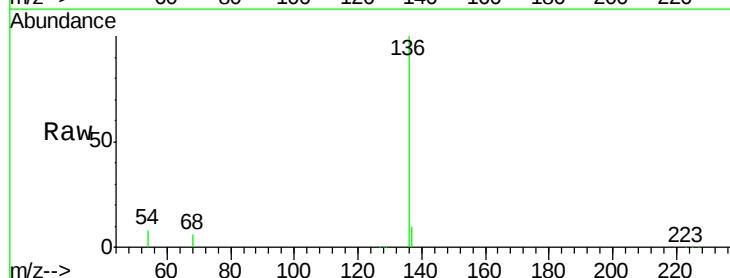
Ion Ratio Lower Upper

136 100

137 10.4 8.0 12.0

54 7.8 7.4 11.0

68 6.2 5.8 8.6

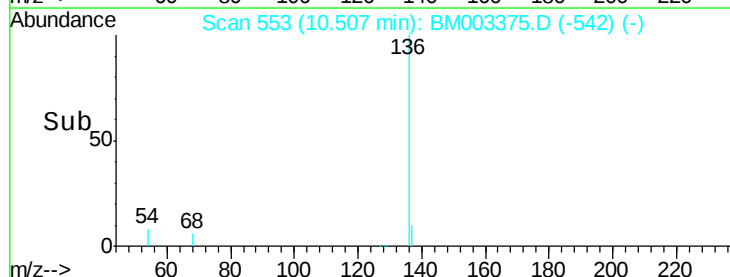
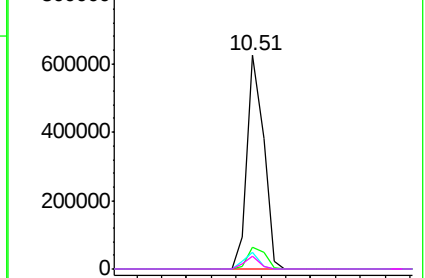


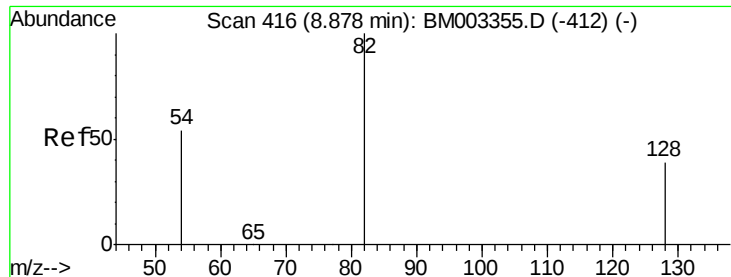
Abundance Ion 136.00 (135.70 to 136.70): BM003375.D (-542) (-)

Ion 137.00 (136.70 to 137.70): BM003375.D (-542) (-)

Ion 54.00 (53.70 to 54.70): BM003375.D (-542) (-)

Ion 68.00 (67.70 to 68.70): BM003375.D (-542) (-)





#8

Nitrobenzene-d5

Concen: 31.77 ng

RT: 8.88 min Scan# 416

Delta R.T. 0.01 min

Lab File: BM003375.D

Acq: 03 Dec 2015 17:51

Instrument :

BNA_M

ClientSampleId :

LIBERTYSF-002-SPLPSVOC2

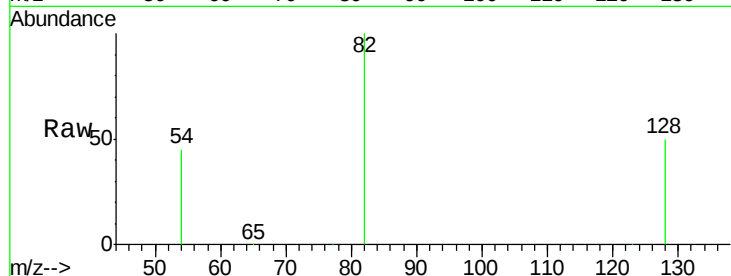
Tgt Ion: 82 Resp: 1714457

Ion Ratio Lower Upper

82 100

128 50.4 35.2 52.8

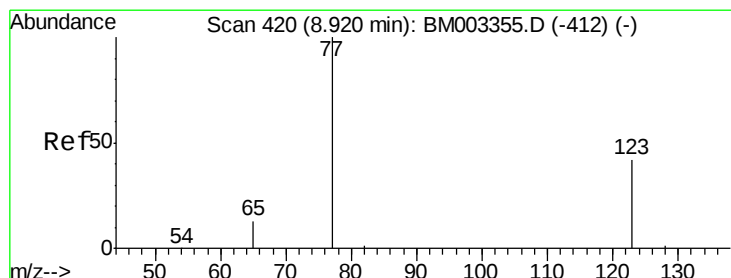
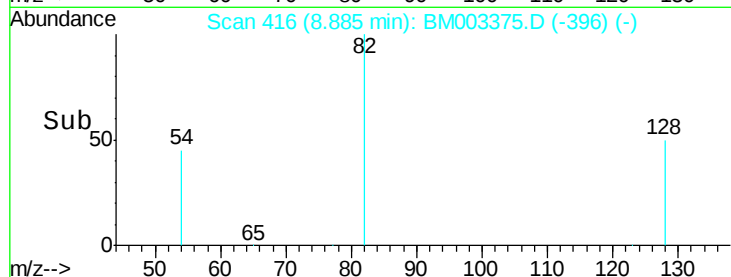
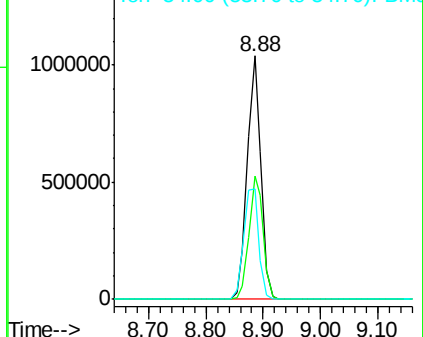
54 45.5 36.4 54.6



Abundance Ion 82.00 (81.70 to 82.70): BM003375.D (-412) (-)

Ion 128.00 (127.70 to 128.70): BM003375.D (-412) (-)

Ion 54.00 (53.70 to 54.70): BM003375.D (-412) (-)



#9

Nitrobenzene

Concen: 0.09 ng

RT: 8.88 min Scan# 416

Delta R.T. -0.03 min

Lab File: BM003375.D

Acq: 03 Dec 2015 17:51

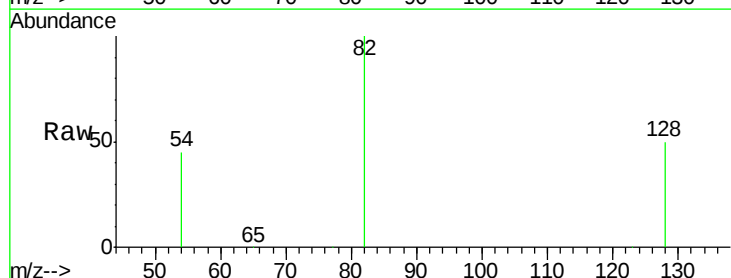
Tgt Ion: 77 Resp: 5515

Ion Ratio Lower Upper

77 100

123 0.0 37.7 56.5#

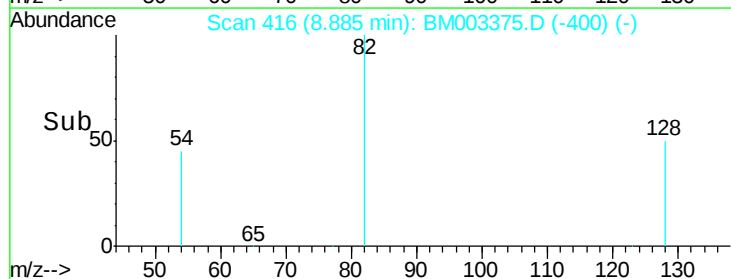
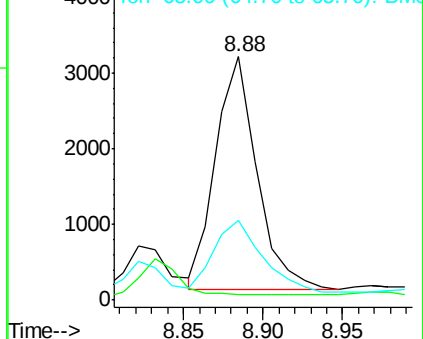
65 37.3 9.8 14.6#

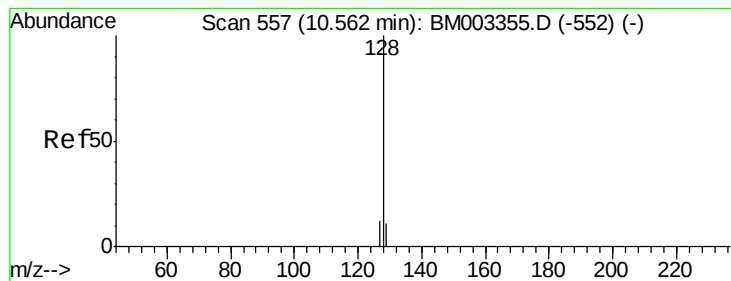


Abundance Ion 77.00 (76.70 to 77.70): BM003375.D (-400) (-)

Ion 123.00 (122.70 to 123.70): BM003375.D (-400) (-)

Ion 65.00 (64.70 to 65.70): BM003375.D (-400) (-)





#10

Naphthalene

Concen: 0.17 ng

RT: 10.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: BM003375.D

Acq: 03 Dec 2015 17:51

Instrument :

BNA_M

ClientSampleId :

LIBERTYSF-002-SPLPSVOC2

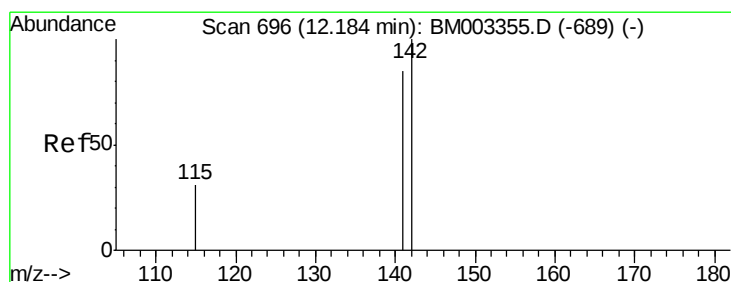
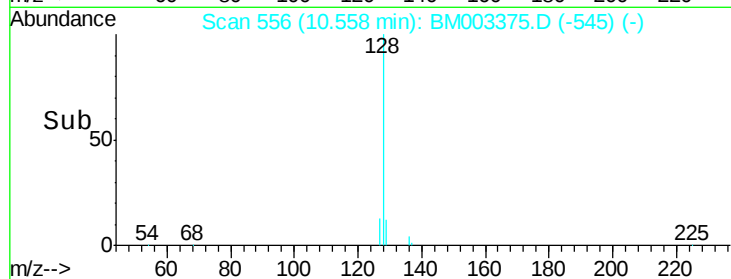
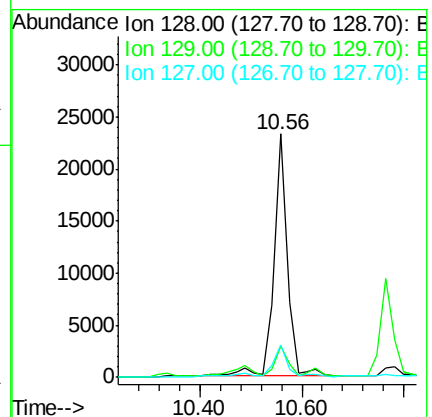
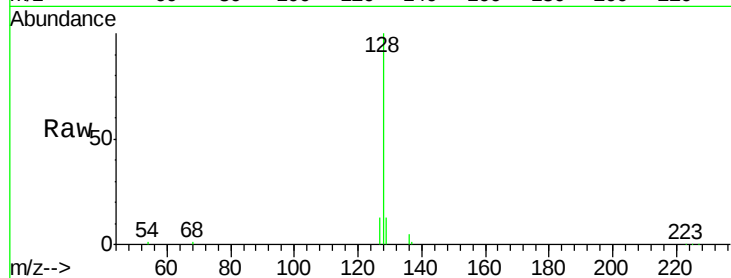
Tgt Ion:128 Resp: 41973

Ion Ratio Lower Upper

128 100

129 13.0 8.5 12.7#

127 13.2 10.6 16.0



#12

2-Methylnaphthalene

Concen: 0.09 ng

RT: 12.18 min Scan# 695

Delta R.T. -0.00 min

Lab File: BM003375.D

Acq: 03 Dec 2015 17:51

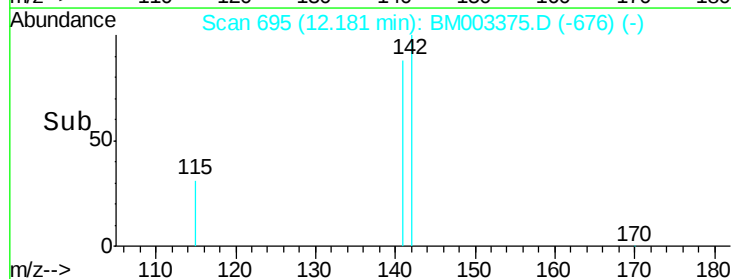
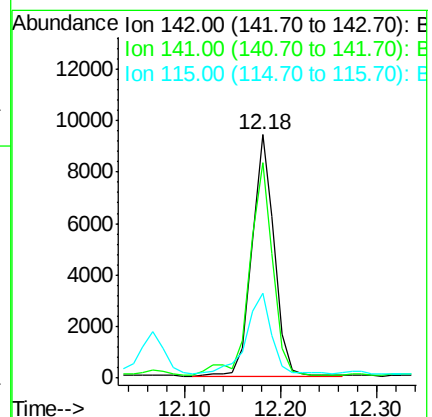
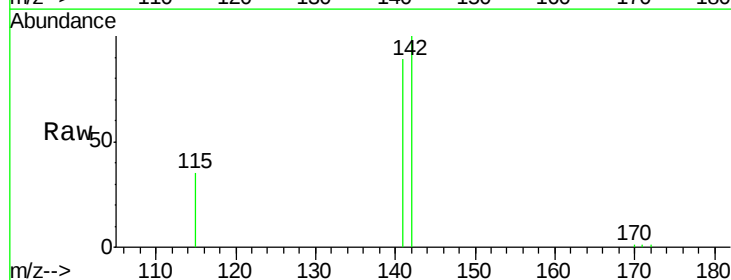
Tgt Ion:142 Resp: 15158

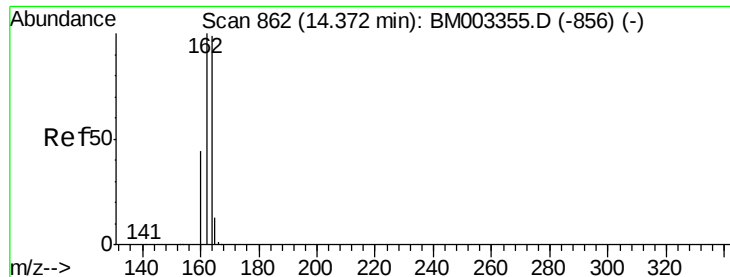
Ion Ratio Lower Upper

142 100

141 88.6 72.2 108.2

115 34.7 28.0 42.0





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.38 min Scan# 862

Delta R.T. 0.01 min

Lab File: BM003375.D

Acq: 03 Dec 2015 17:51

Instrument :

BNA_M

ClientSampleId :

LIBERTYSF-002-SPLPSVOC2

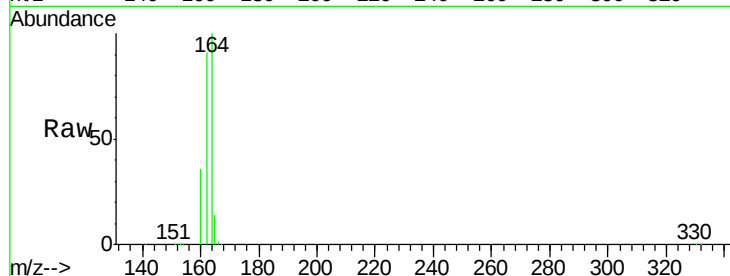
Tgt Ion:164 Resp: 598558

Ion Ratio Lower Upper

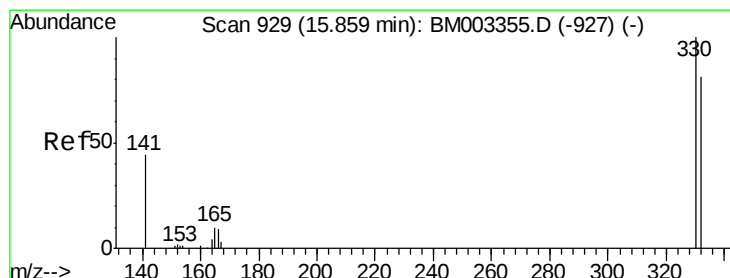
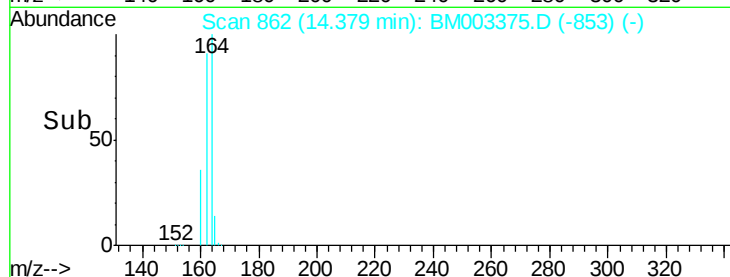
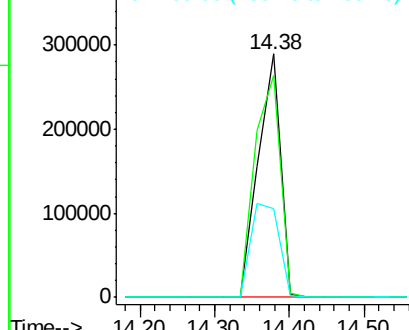
164 100

162 90.9 78.3 117.5

160 36.5 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: 42.26 ng

RT: 15.87 min Scan# 929

Delta R.T. 0.01 min

Lab File: BM003375.D

Acq: 03 Dec 2015 17:51

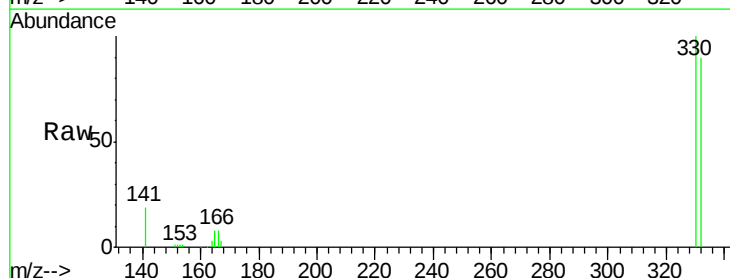
Tgt Ion:330 Resp: 671533

Ion Ratio Lower Upper

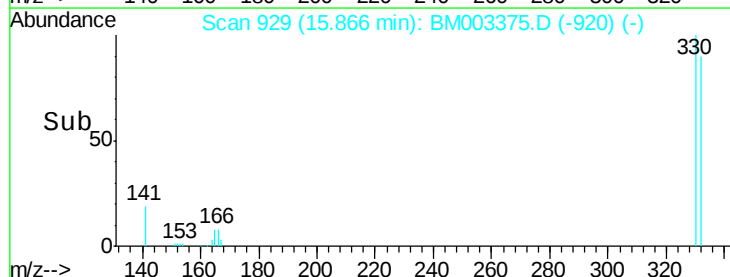
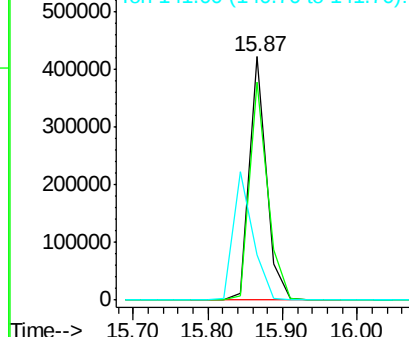
330 100

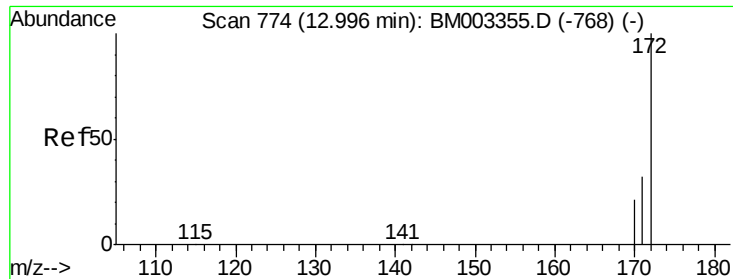
332 95.0 76.0 114.0

141 0.0 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

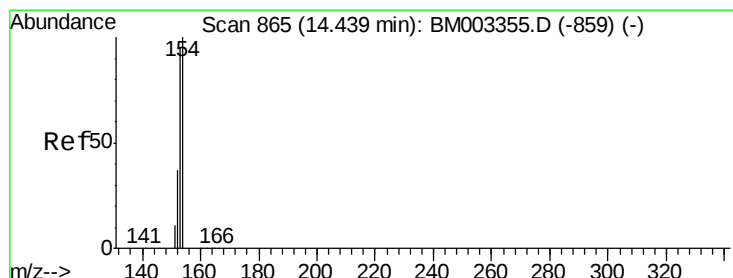
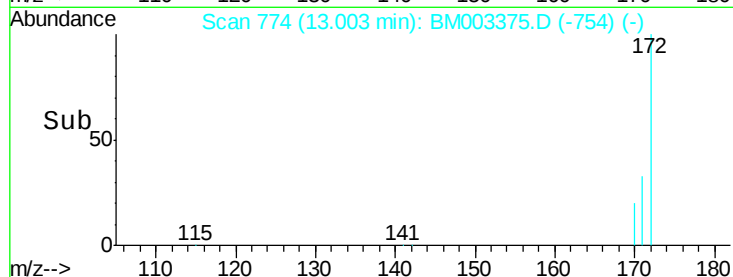
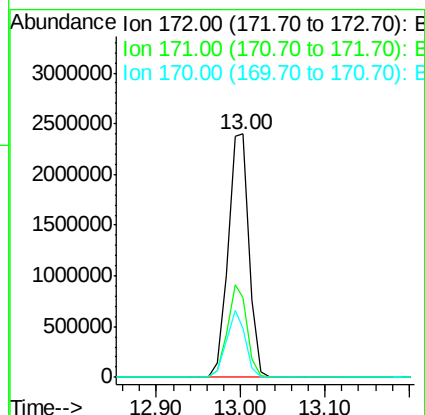
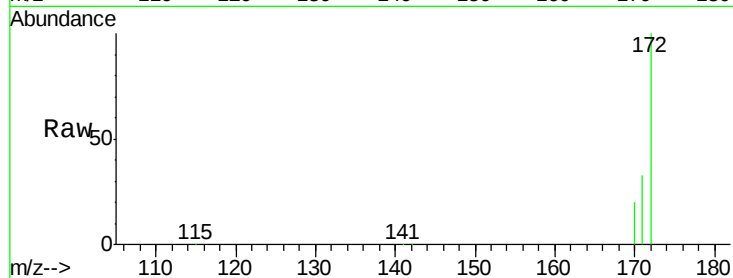




#15
2-Fluorobiphenyl
Concen: 23.38 ng
RT: 13.00 min Scan# 774
Delta R.T. 0.01 min
Lab File: BM003375.D
Acq: 03 Dec 2015 17:51

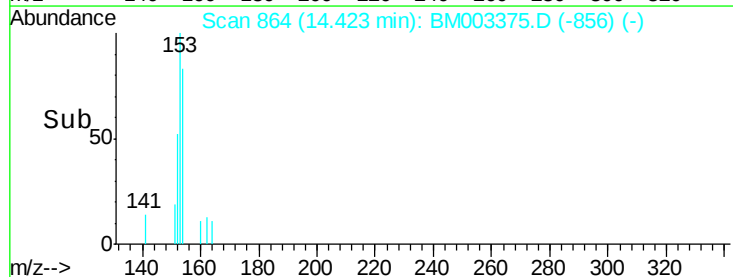
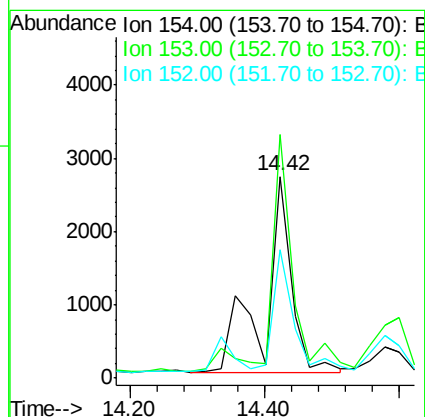
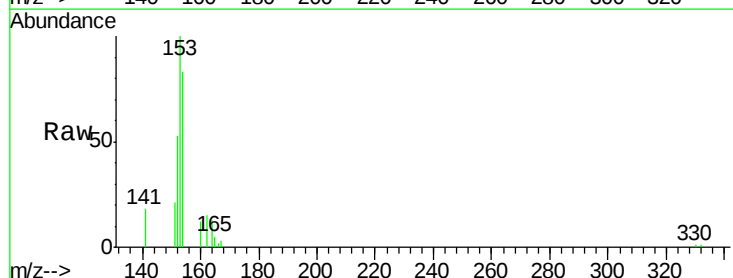
Instrument :
BNA_M
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LIBERTYSF-002-SPLPSVOC2

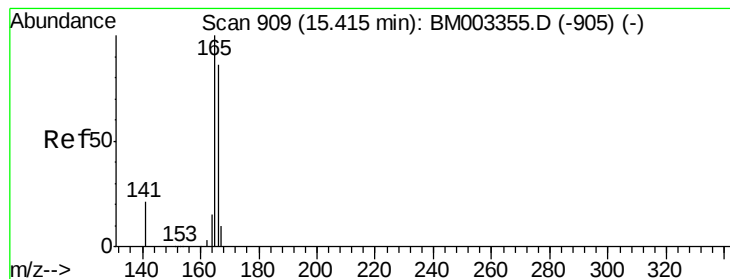
Tgt Ion:172 Resp: 4213311
Ion Ratio Lower Upper
172 100
171 32.6 28.0 42.0
170 20.0 18.9 28.3



#17
Acenaphthene
Concen: 0.05 ng
RT: 14.42 min Scan# 864
Delta R.T. -0.02 min
Lab File: BM003375.D
Acq: 03 Dec 2015 17:51

Tgt Ion:154 Resp: 7500
Ion Ratio Lower Upper
154 100
153 82.3 0.0 0.0#
152 45.9 0.0 0.0#





#18

Fluorene

Concen: 0.04 ng

RT: 15.42 min Scan# 909

Delta R.T. 0.01 min

Lab File: BM003375.D

Acq: 03 Dec 2015 17:51

Instrument :

BNA_M

ClientSampleId :

LIBERTYSF-002-SPLPSVOC2

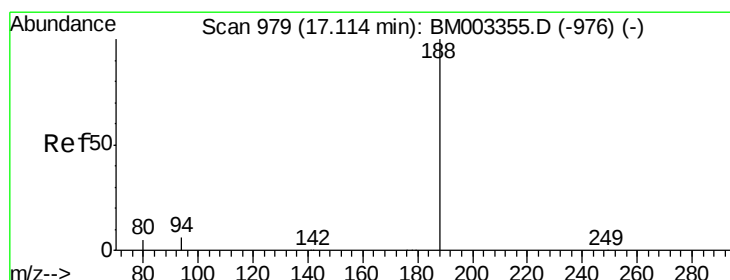
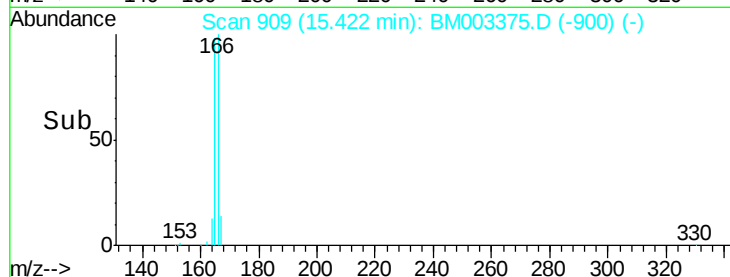
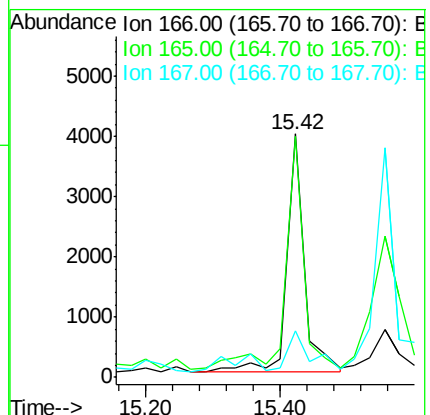
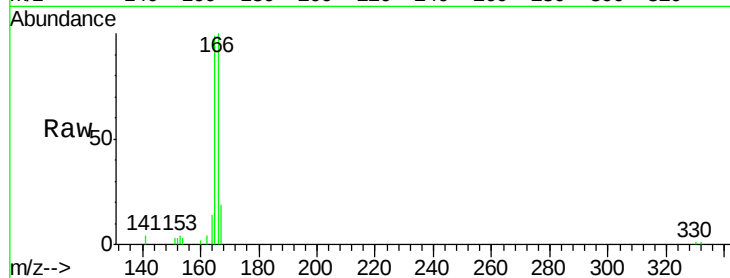
Tgt Ion:166 Resp: 7150

Ion Ratio Lower Upper

166 100

165 102.0 80.8 121.2

167 21.8 10.5 15.7#



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.12 min Scan# 979

Delta R.T. 0.01 min

Lab File: BM003375.D

Acq: 03 Dec 2015 17:51

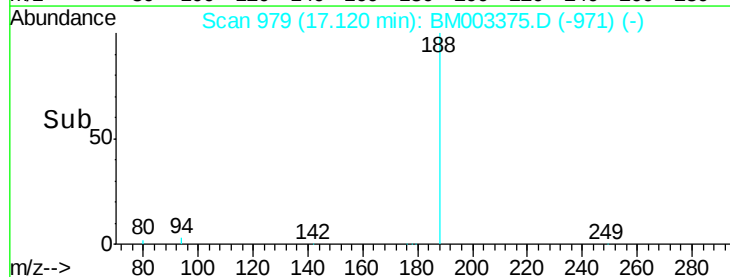
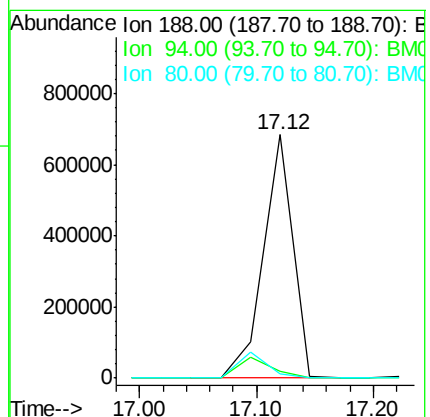
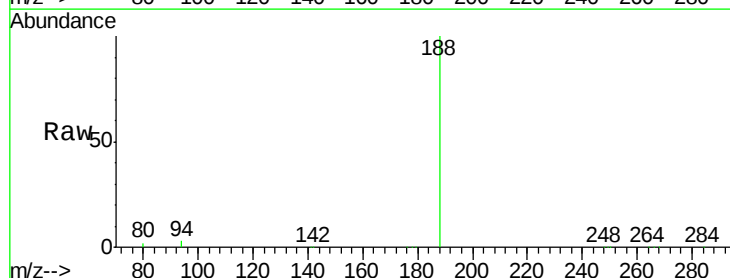
Tgt Ion:188 Resp: 1213754

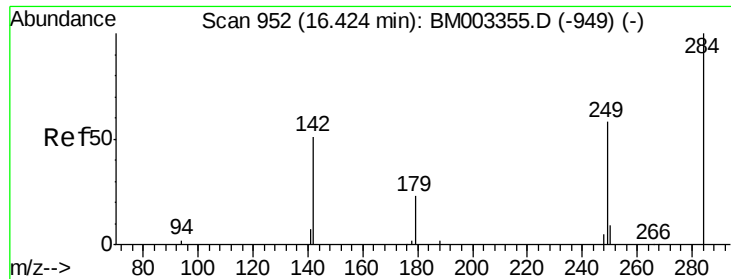
Ion Ratio Lower Upper

188 100

94 2.6 1.8 2.6

80 2.0 1.4 2.0

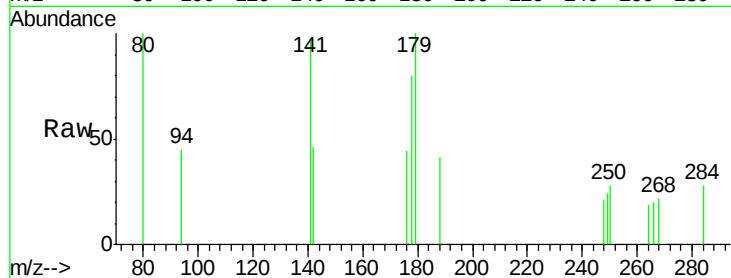




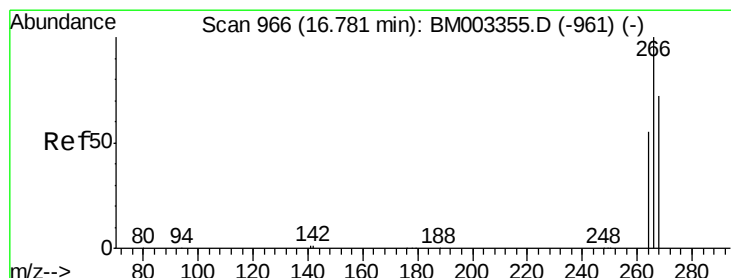
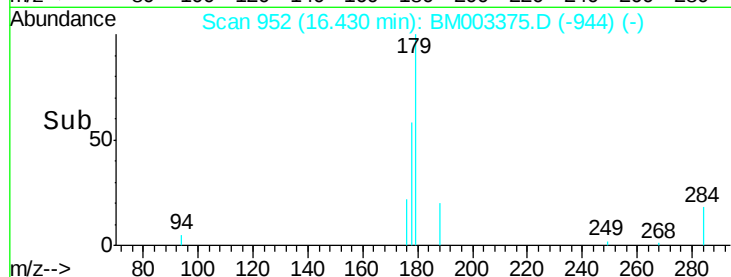
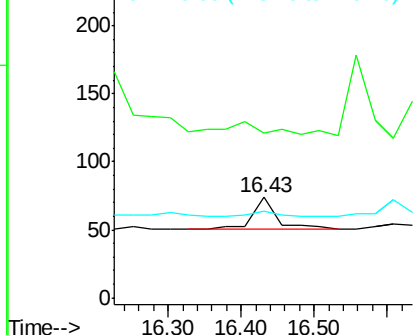
#21
Hexachlorobenzene
Concen: Below Cal
RT: 16.43 min Scan# 952
Delta R.T. 0.01 min
Lab File: BM003375.D
Acq: 03 Dec 2015 17:51

Instrument :
BNA_M
ClientSampleId :
LIBERTYSF-002-SPLPSVOC2

Tgt Ion: 284 Resp: 46
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 19.6 19.4 29.2

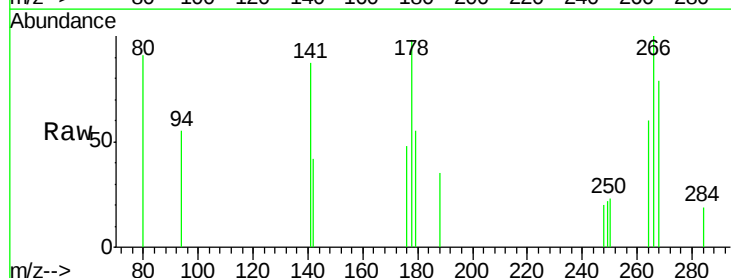


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

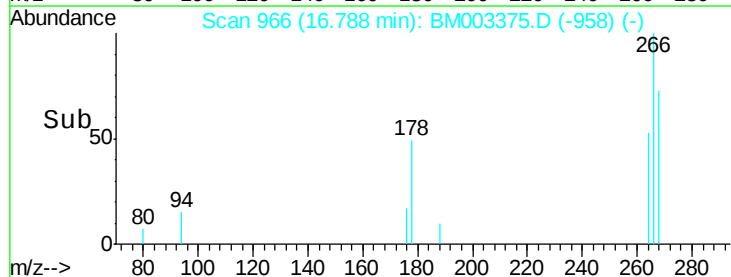
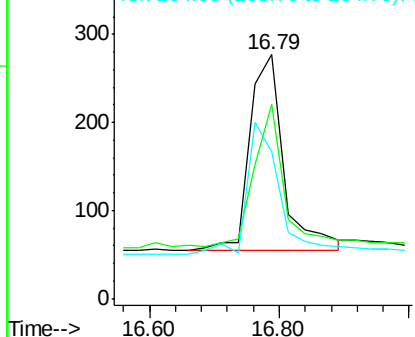


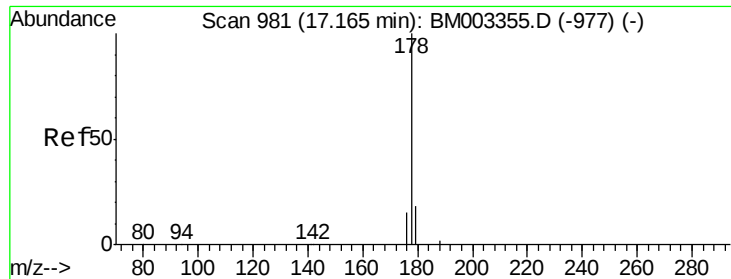
#22
Pentachlorophenol
Concen: 0.37 ng
RT: 16.79 min Scan# 966
Delta R.T. 0.01 min
Lab File: BM003375.D
Acq: 03 Dec 2015 17:51

Tgt Ion: 266 Resp: 801
Ion Ratio Lower Upper
266 100
268 79.4 45.8 68.8#
264 60.3 56.7 85.1



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

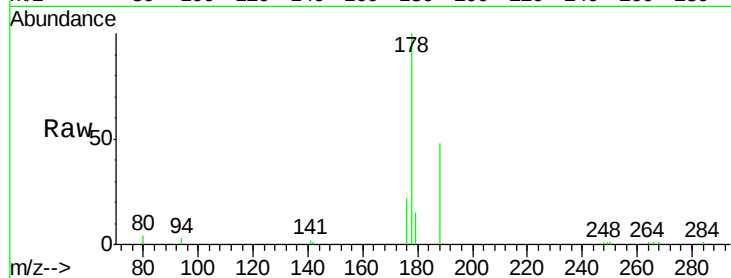




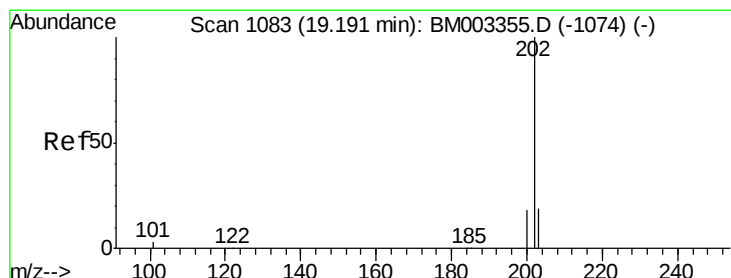
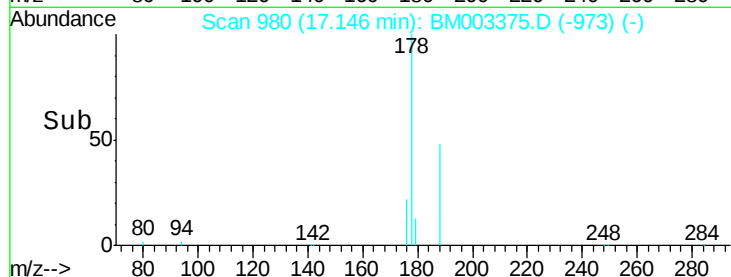
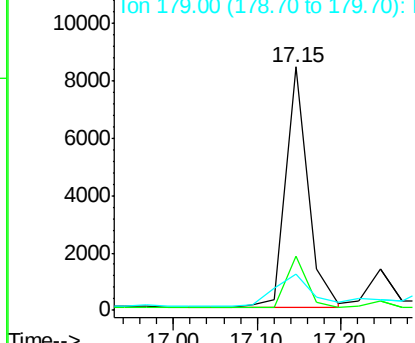
#23
Phenanthrene
Concen: 0.07 ng
RT: 17.15 min Scan# 980
Delta R.T. -0.02 min
Lab File: BM003375.D
Acq: 03 Dec 2015 17:51

Instrument :
BNA_M
ClientSampleId :
LIBERTYSF-002-SPLPSVOC2

Tgt Ion:178 Resp: 15633
Ion Ratio Lower Upper
178 100
176 20.1 15.9 23.9
179 22.3 11.7 17.5#

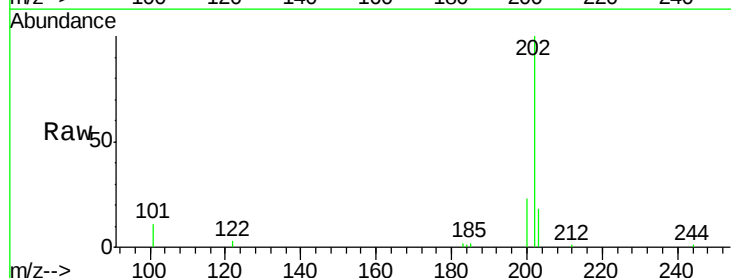


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

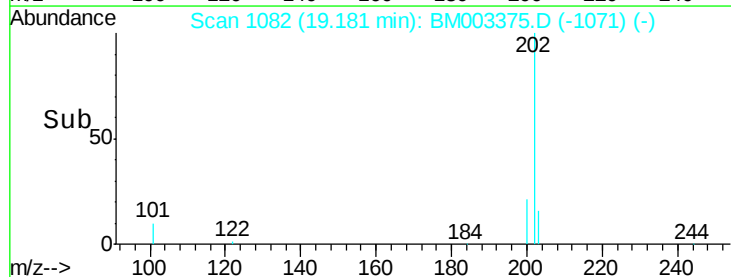
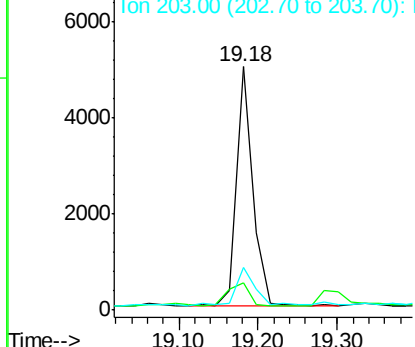


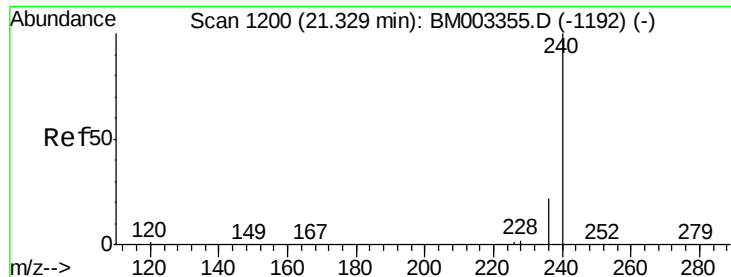
#25
Fluoranthene
Concen: 0.03 ng
RT: 19.18 min Scan# 1082
Delta R.T. -0.01 min
Lab File: BM003375.D
Acq: 03 Dec 2015 17:51

Tgt Ion:202 Resp: 7248
Ion Ratio Lower Upper
202 100
101 12.4 9.9 14.9
203 18.2 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

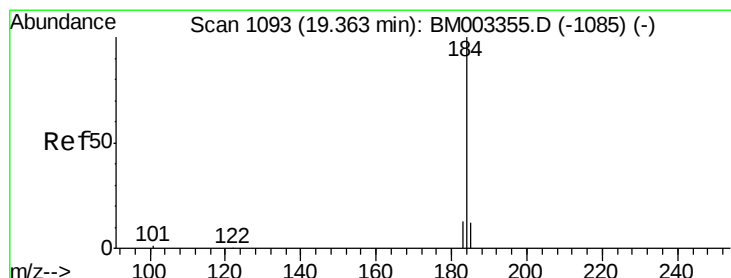
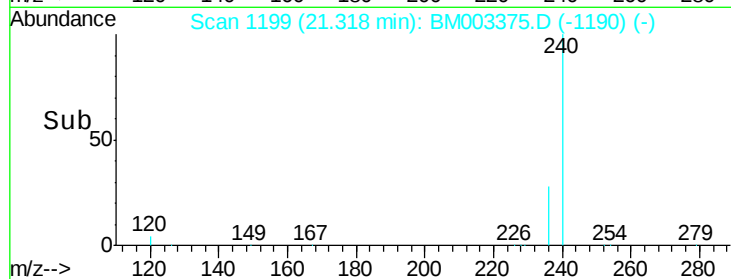
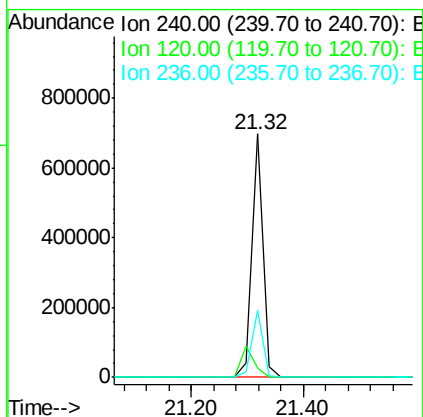
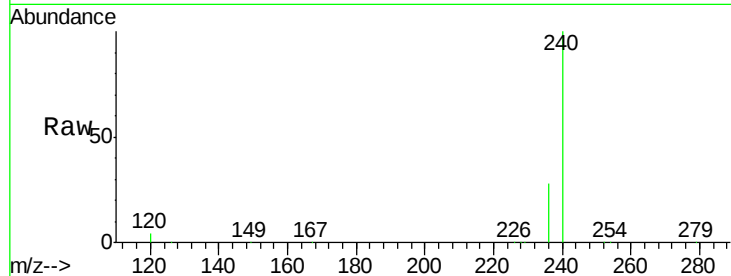




#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.32 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BM003375.D
 Acq: 03 Dec 2015 17:51

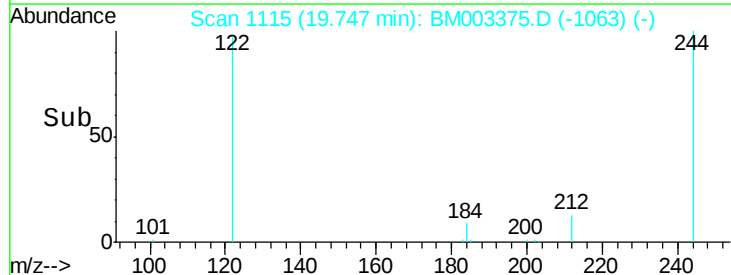
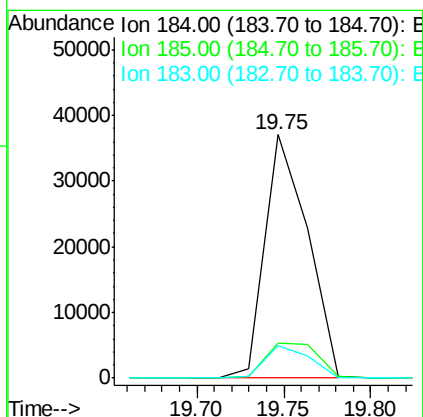
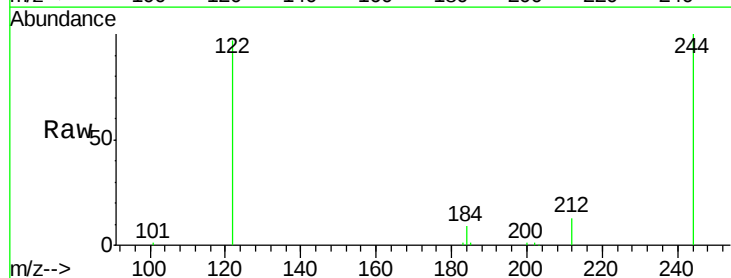
Instrument :
 BNA_M
 ClientSampleId :
 LIBERTYSF-002-SPLPSVOC2

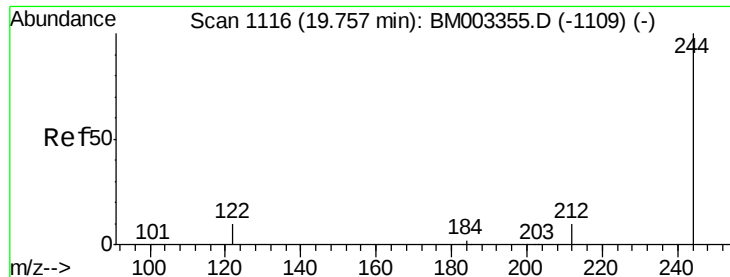
Tgt Ion:240 Resp: 949492
 Ion Ratio Lower Upper
 240 100
 120 3.9 1.0 1.4#
 236 27.6 17.9 26.9#



#27
 Benzidine
 Concen: 0.88 ng
 RT: 19.75 min Scan# 1115
 Delta R.T. 0.38 min
 Lab File: BM003375.D
 Acq: 03 Dec 2015 17:51

Tgt Ion:184 Resp: 63261
 Ion Ratio Lower Upper
 184 100
 185 14.6 11.6 17.4
 183 13.3 8.6 13.0#





#29

Terphenyl-d14

Concen: 14.38 ng

RT: 19.76 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BM003375.D

Acq: 03 Dec 2015 17:51

Instrument :

BNA_M

ClientSampleId :

LIBERTYSF-002-SPLPSVOC2

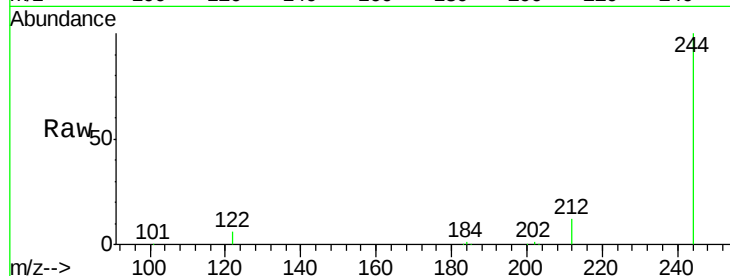
Tgt Ion:244 Resp: 2214856

Ion Ratio Lower Upper

244 100

212 12.2 6.5 9.7#

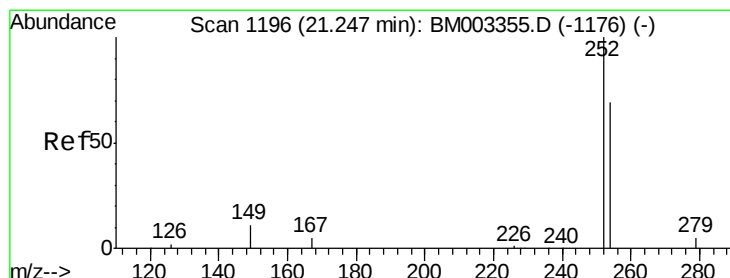
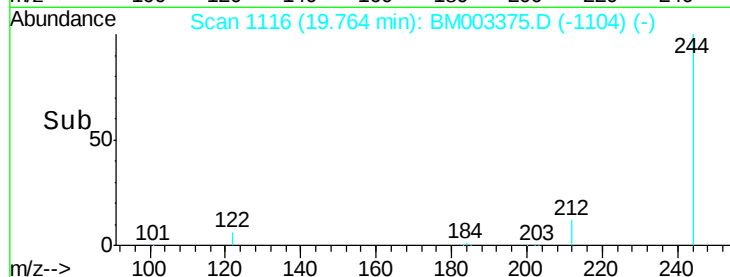
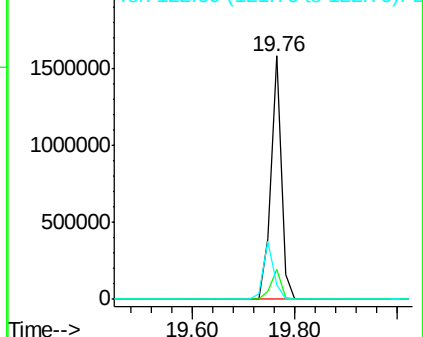
122 6.0 2.0 3.0#



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



#31

3,3'-Dichlorobenzidine

Concen: 0.09 ng

RT: 21.24 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BM003375.D

Acq: 03 Dec 2015 17:51

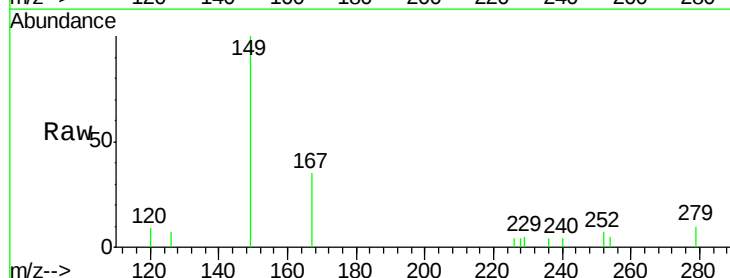
Tgt Ion:252 Resp: 68

Ion Ratio Lower Upper

252 100

254 78.4 53.7 80.5

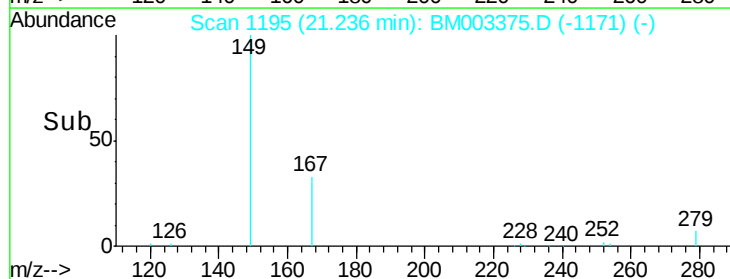
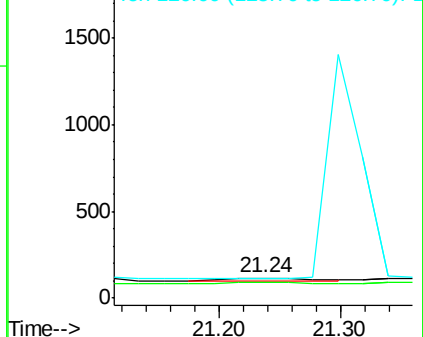
126 100.0 2.8 4.2#

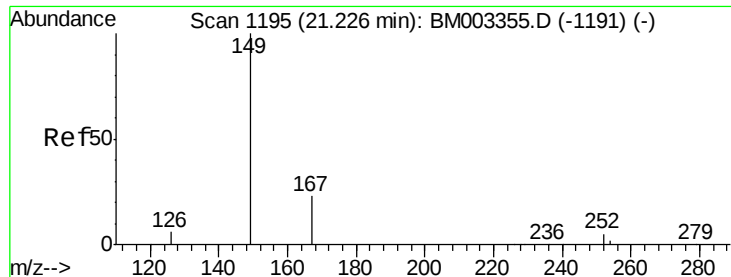


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

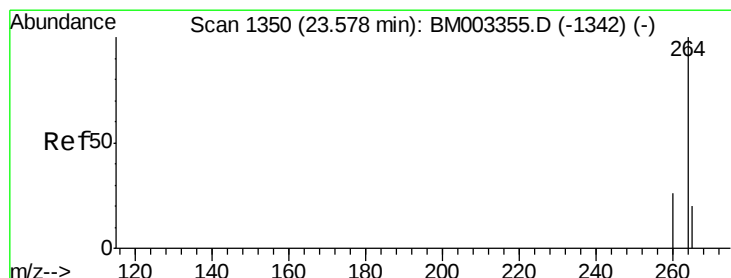
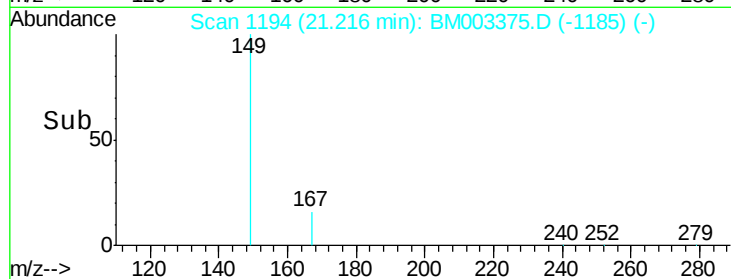
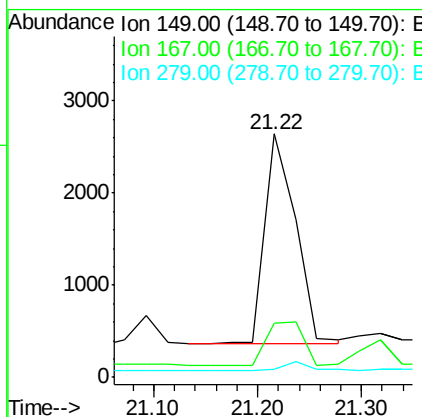
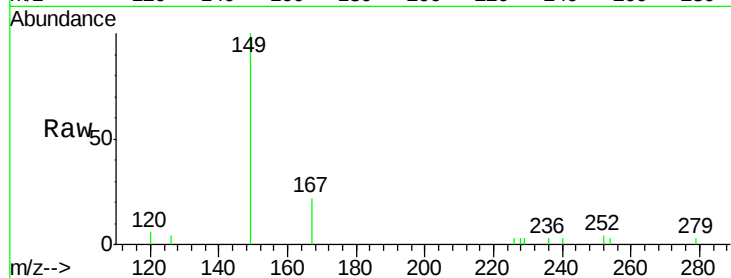




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.28 ng
 RT: 21.22 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BM003375.D
 Acq: 03 Dec 2015 17:51

Instrument :
 BNA_M
 ClientSampleId :
 LIBERTYSF-002-SPLPSVOC2

Tgt Ion:149 Resp: 4608
 Ion Ratio Lower Upper
 149 100
 167 0.0 19.6 29.4#
 279 0.0 0.0 0.0



#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.58 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: BM003375.D
 Acq: 03 Dec 2015 17:51

Tgt Ion:264 Resp: 717966
 Ion Ratio Lower Upper
 264 100
 260 26.2 19.6 29.4
 265 21.4 18.4 27.6

