

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120415\
 Data File : BM003376.D
 Acq On : 03 Dec 2015 18:27
 Operator : UM/IZ
 Sample : G4667-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 4

Instrument :
 BNA_M
 ClientSampleId :
 LIBERTYSF-002-SPLPSVOC3

Quant Time: Dec 04 17:47:03 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

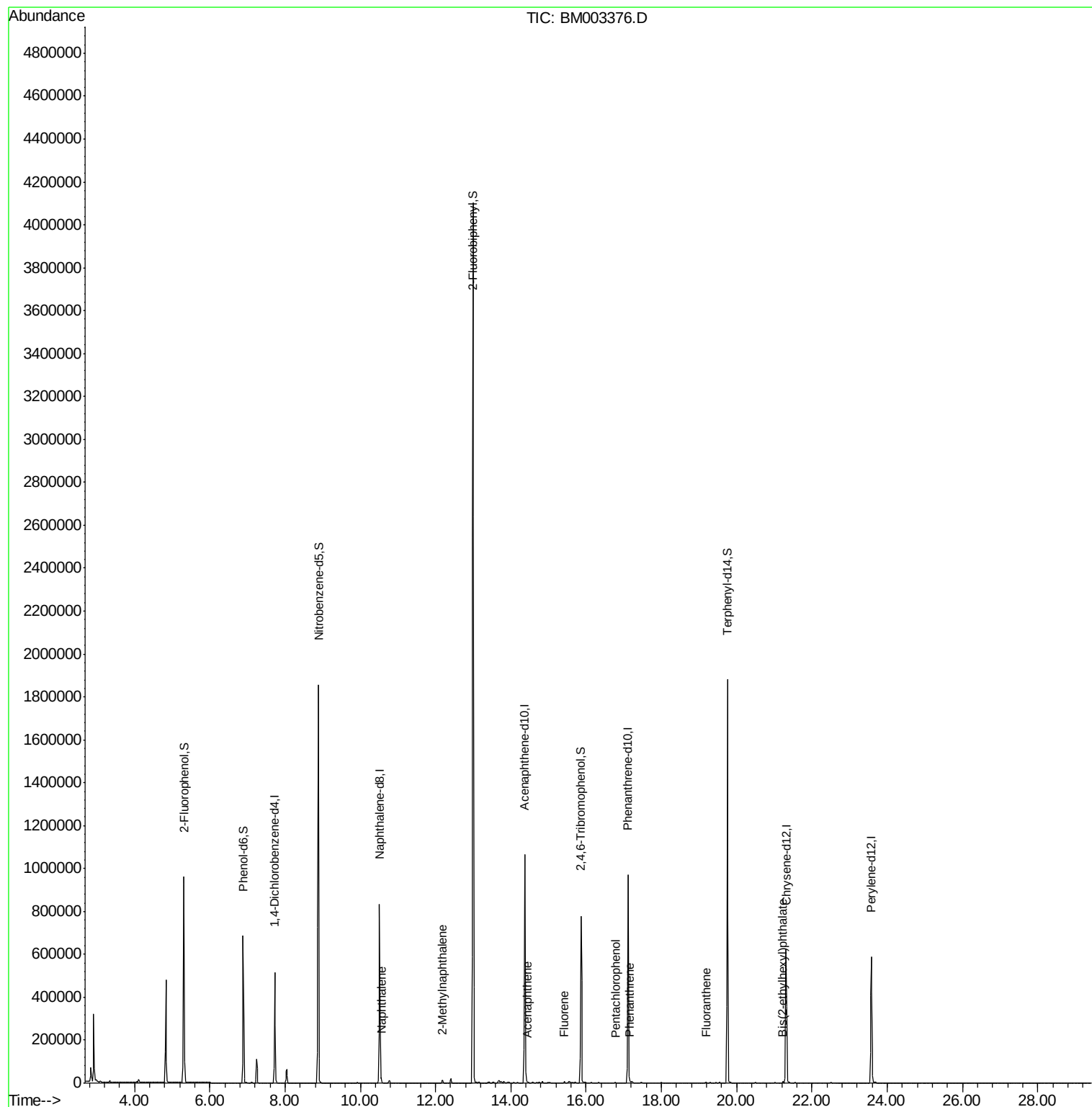
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	278969	20.00	ng	0.00
7) Naphthalene-d8	10.51	136	1151451	20.00	ng	0.00
13) Acenaphthene-d10	14.37	164	637527	20.00	ng	0.00
19) Phenanthrene-d10	17.11	188	1388748	20.00	ng	0.00
26) Chrysene-d12	21.31	240	831105	20.00	ng	-0.02
35) Perylene-d12	23.58	264	756927	20.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	1047480	75.28	ng	0.00
5) Phenol-d6	6.88	99	836542	48.86	ng	0.00
8) Nitrobenzene-d5	8.89	82	1648367	122.84	ng	0.01
14) 2,4,6-Tribromophenol	15.86	330	639440	151.21	ng	0.00
15) 2-Fluorobiphenyl	13.00	172	4047739	84.35	ng	0.00
29) Terphenyl-d14	19.76	244	2241990	66.52	ng	0.00
Target Compounds						
10) Naphthalene	10.56	128	34685	0.56	ng	# 96
12) 2-Methylnaphthalene	12.18	142	11734	0.28	ng	# 93
17) Acenaphthene	14.44	154	3545	0.08	ng	# 100
18) Fluorene	15.42	166	4918	0.10	ng	# 89
22) Pentachlorophenol	16.78	266	784	1.44	ng	# 84
23) Phenanthrene	17.16	178	11003	0.16	ng	# 54
24) Anthracene	17.24	178	2240	0.03	ng	# 81
25) Fluoranthene	19.19	202	6557	0.09	ng	# 98
28) Pyrene	19.55	202	4984	0.07	ng	# 93
33) Bis(2-ethylhexyl)phthalate	21.23	149	7609	1.20	ng	# 96

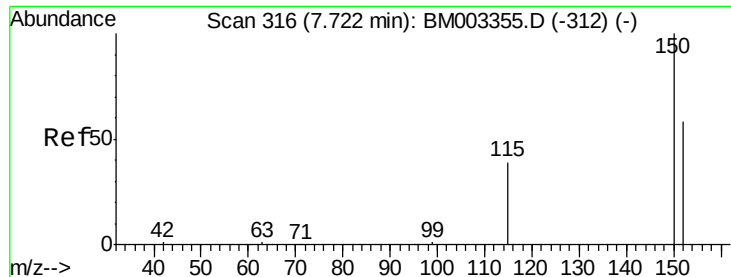
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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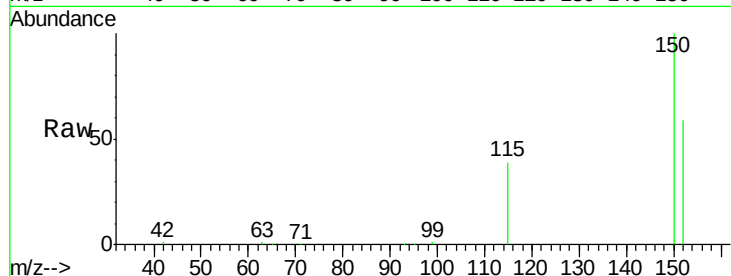


#1

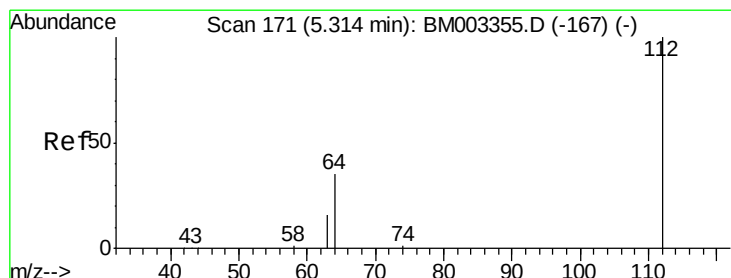
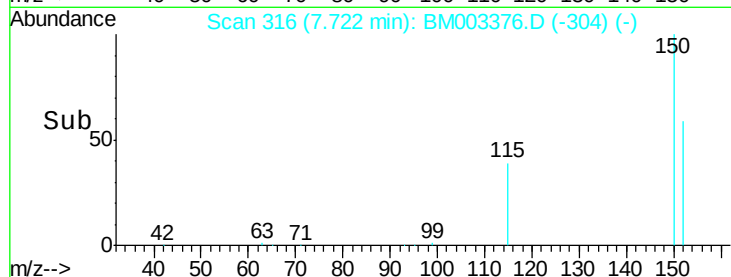
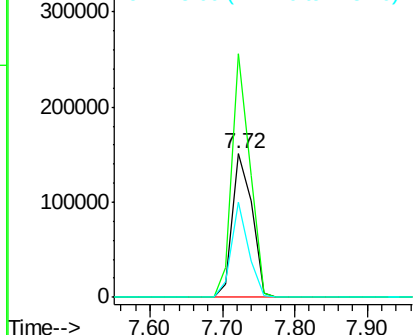
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 316
Delta R.T. 0.00 min
Lab File: BM003376.D
Acq: 03 Dec 2015 18:27

Instrument :
BNA_M
ClientSampleId :
LIBERTYSF-002-SPLPSVOC3

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



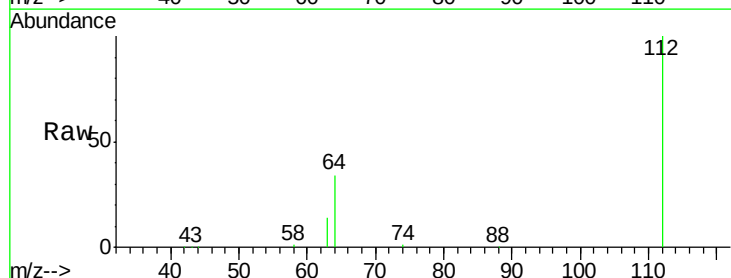
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



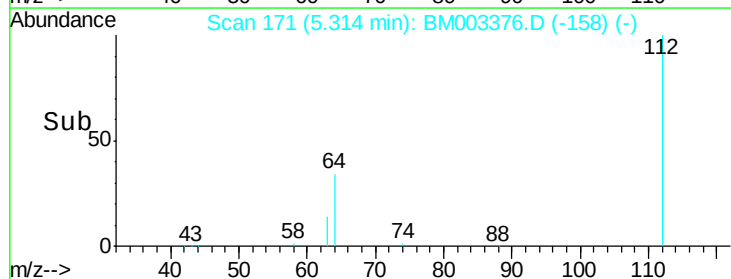
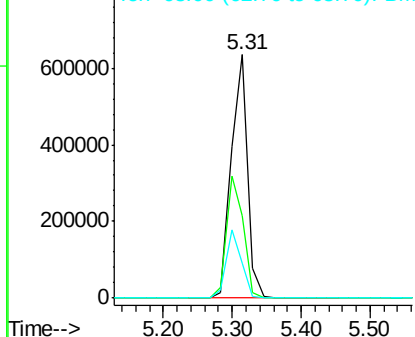
#4

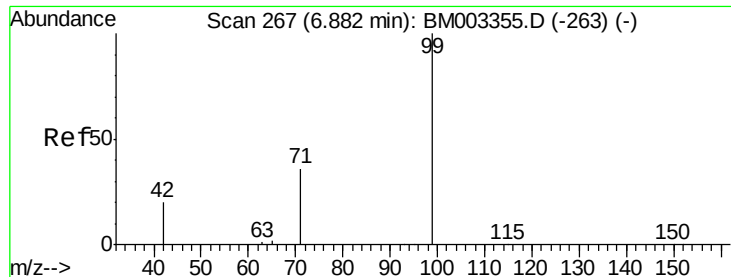
2-Fluorophenol
Concen: 75.28 ng
RT: 5.31 min Scan# 171
Delta R.T. 0.00 min
Lab File: BM003376.D
Acq: 03 Dec 2015 18:27

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: 48.86 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

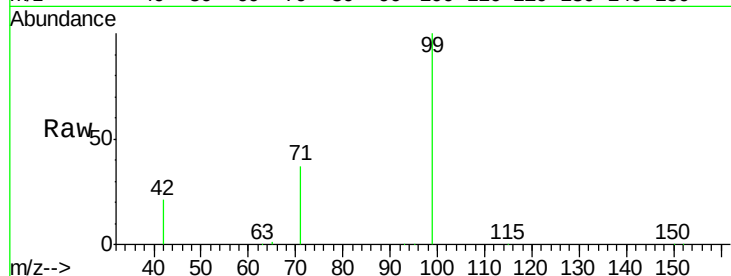
Tot Ion: 99 Resp: 836542

Ion Ratio Lower Upper

99 100

42 17.5 14.6 22.0

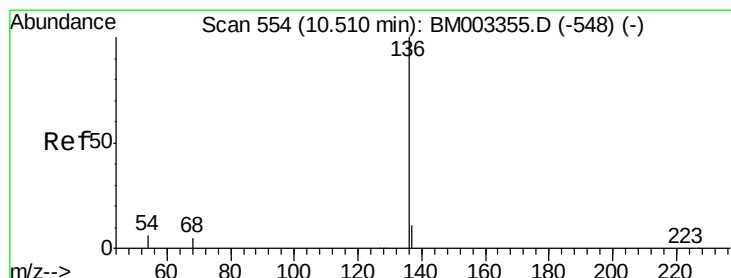
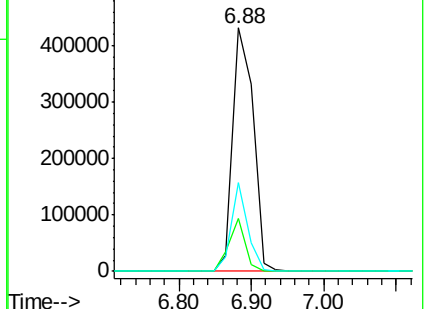
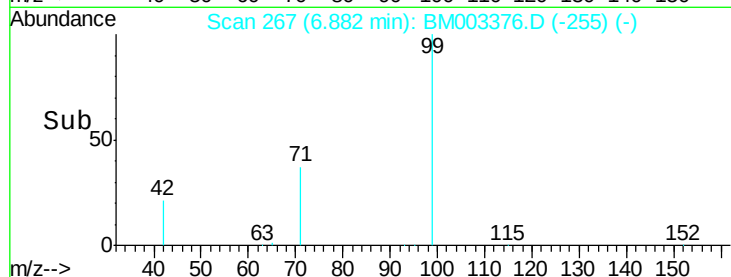
71 29.2 23.3 34.9



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: 20.00 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

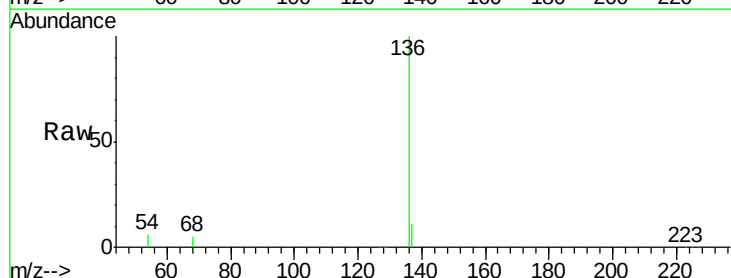
Ion Ratio Lower Upper

136 100

137 10.8 8.0 12.0

54 6.2 7.4 11.0#

68 5.2 5.8 8.6#

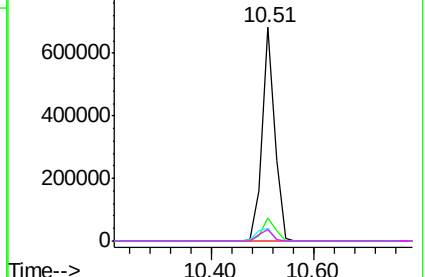
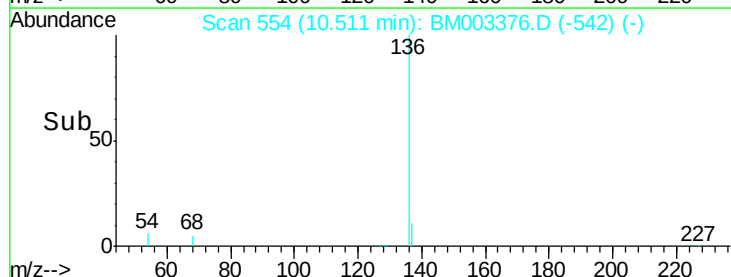


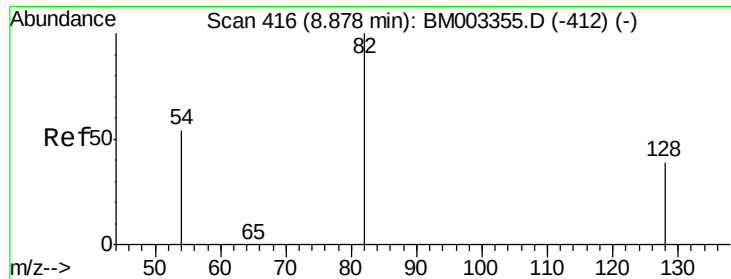
Abundance Ion 136.00 (135.70 to 136.70): BM003376.D (-542) (-)

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: 122.84 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

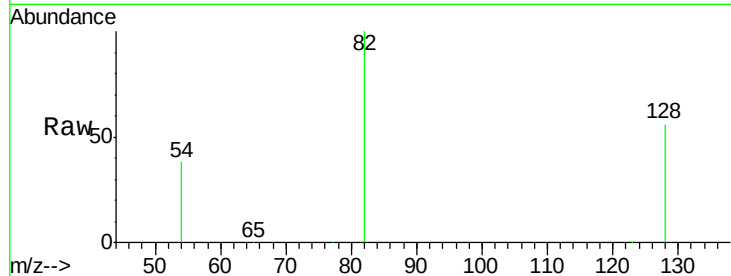
Tot Ion: 82 Resp: 1648367

Ion Ratio Lower Upper

82 100

128 55.6 35.2 52.8#

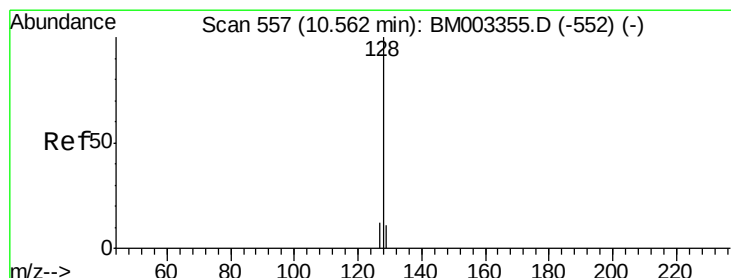
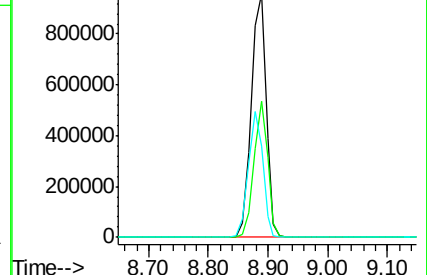
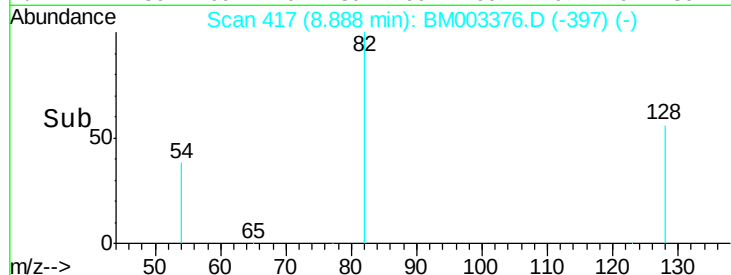
54 37.6 36.4 54.6



Abundance Ion 82.00 (81.70 to 82.70): BM003376.D (-397) (-)

Ion 128.00 (127.70 to 128.70): BM003376.D (-397) (-)

Ion 54.00 (53.70 to 54.70): BM003376.D (-397) (-)



#10

Naphthalene

Concen: 0.56 ng

RT: 10.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

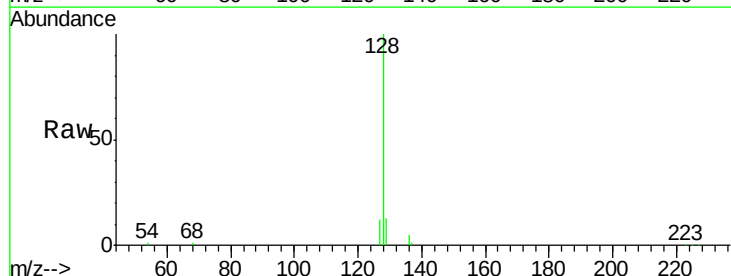
Tgt Ion: 128 Resp: 34685

Ion Ratio Lower Upper

128 100

129 12.8 8.5 12.7#

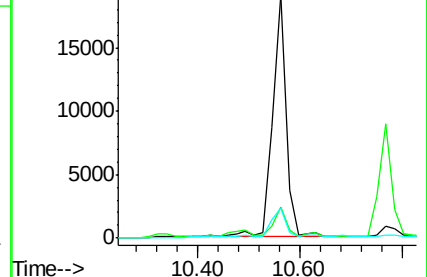
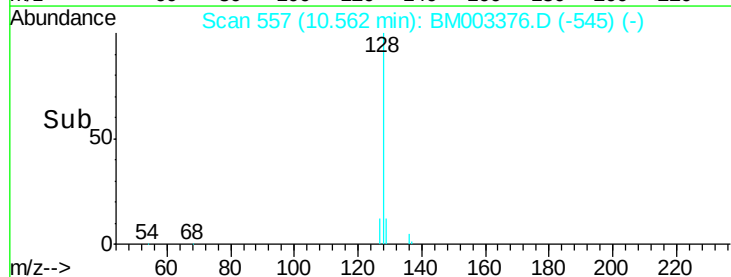
127 12.5 10.6 16.0

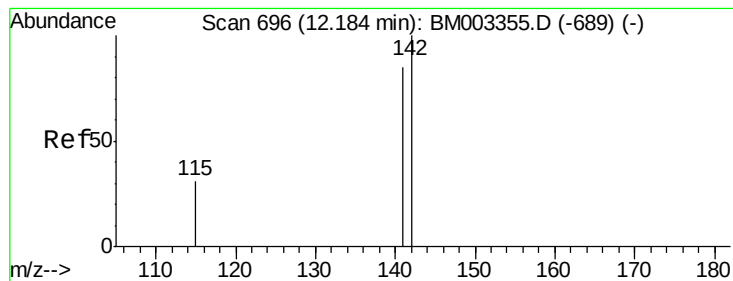


Abundance Ion 128.00 (127.70 to 128.70): BM003376.D (-545) (-)

Ion 129.00 (128.70 to 129.70): BM003376.D (-545) (-)

Ion 127.00 (126.70 to 127.70): BM003376.D (-545) (-)





#12

2-Methylnaphthalene

Concen: 0.28 ng

RT: 12.18 min Scan# 696

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

Instrument :

BNA_M

ClientSampleId :

LIBERTYSF-002-SPLPSVOC3

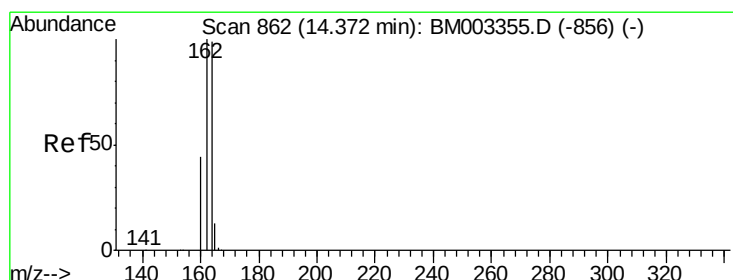
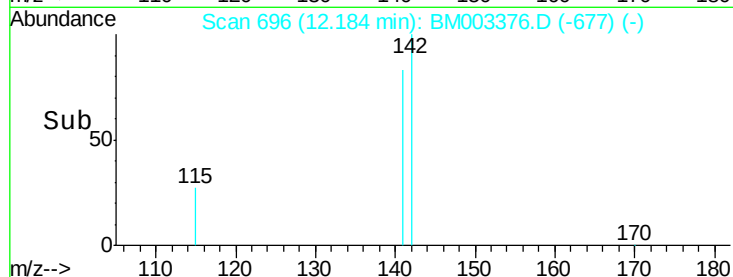
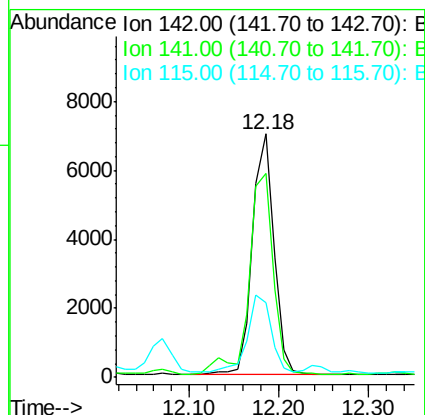
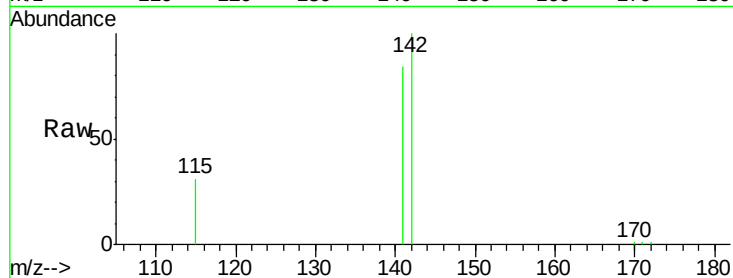
Tot Ion:142 Resp: 11734

Ion Ratio Lower Upper

142 100

141 83.8 72.2 108.2

115 30.7 28.0 42.0



#13

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.37 min Scan# 862

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

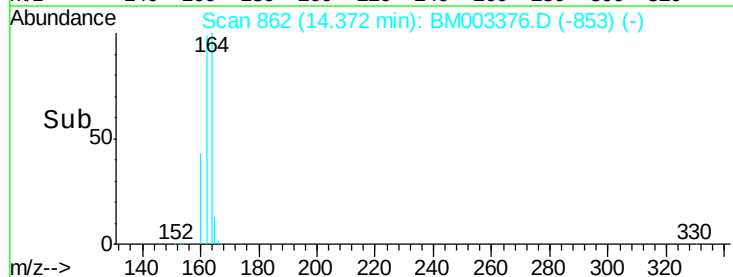
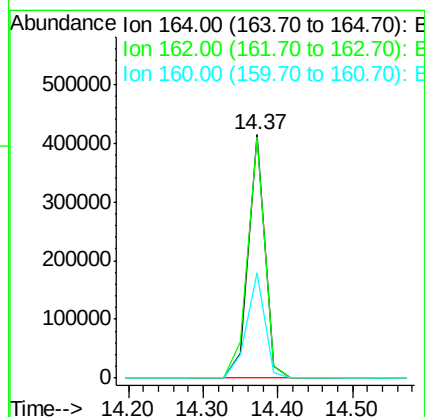
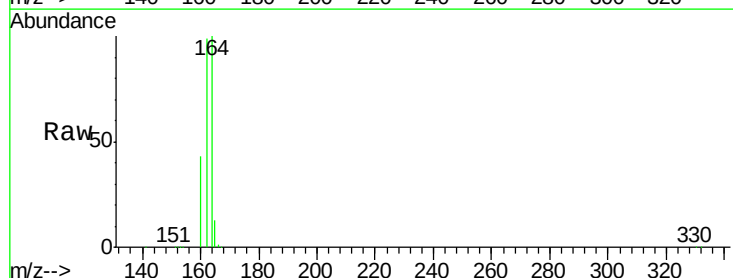
Tgt Ion:164 Resp: 637527

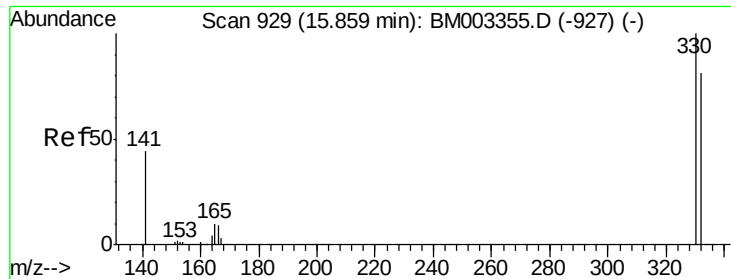
Ion Ratio Lower Upper

164 100

162 98.8 78.3 117.5

160 43.3 33.8 50.6

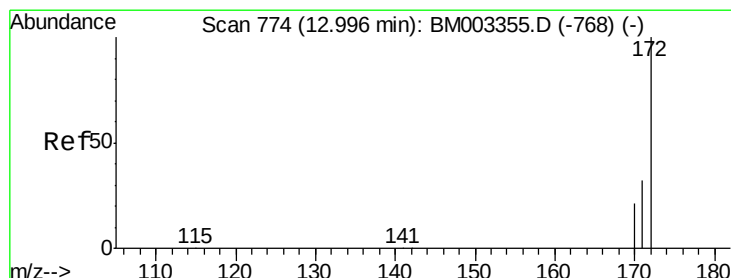
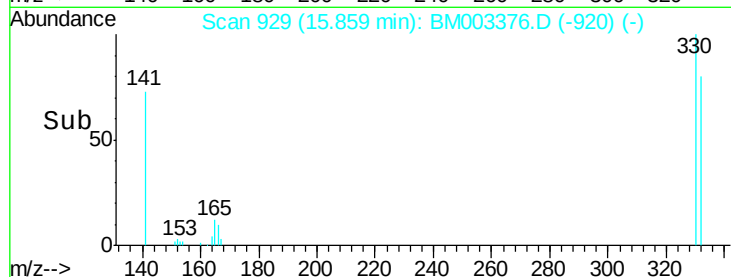
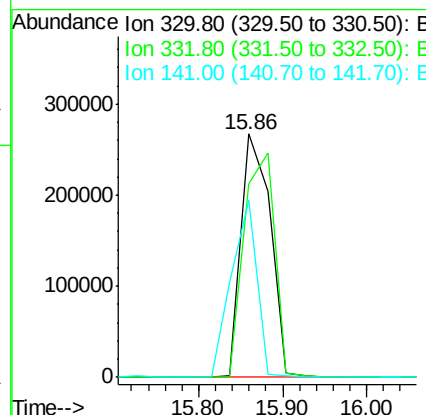
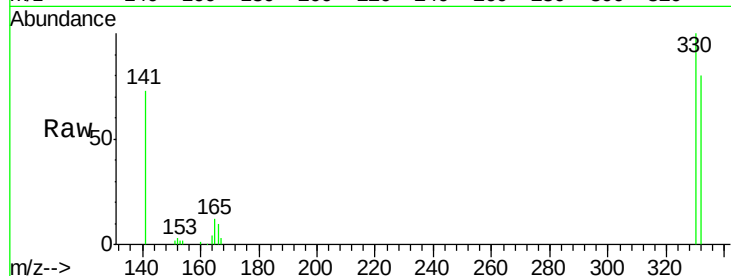




#14
 2,4,6-Tribromophenol
 Concen: 151.21 ng
 RT: 15.86 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: BM003376.D
 Acq: 03 Dec 2015 18:27

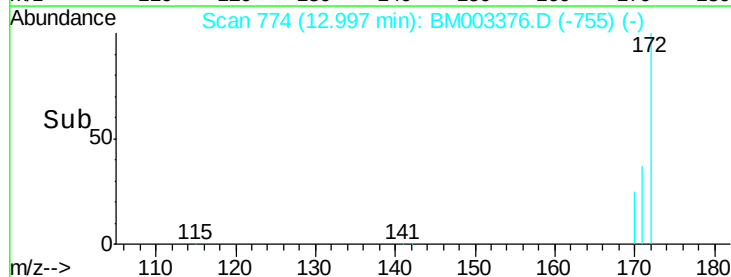
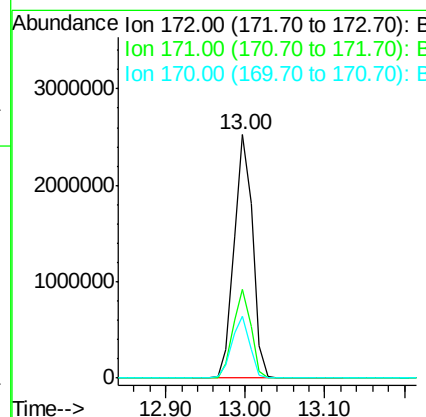
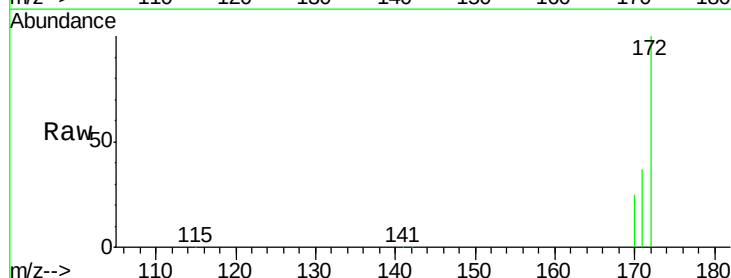
Instrument :
 BNA_M
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 LIBERTYSF-002-SPLPSVOC3

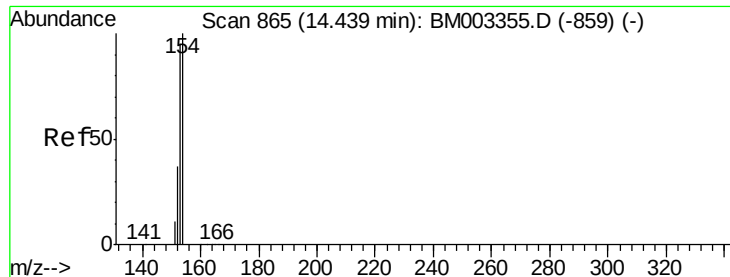
Tot Ion:330 Resp: 639440
 Ion Ratio Lower Upper
 330 100
 332 0.0 76.0 114.0#
 141 63.3 0.0 0.0#



#15
 2-Fluorobiphenyl
 Concen: 84.35 ng
 RT: 13.00 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: BM003376.D
 Acq: 03 Dec 2015 18:27

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: 0.08 ng

RT: 14.44 min Scan# 865

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

Instrument :

BNA_M

ClientSampleId :

LIBERTYSF-002-SPLPSVOC3

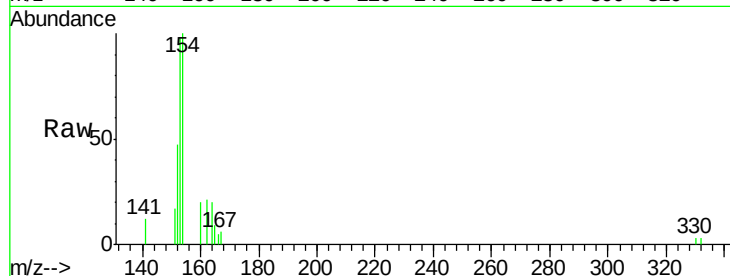
Tot Ion:154 Resp: 3545

Ion Ratio Lower Upper

154 100

153 0.0 0.0 0.0

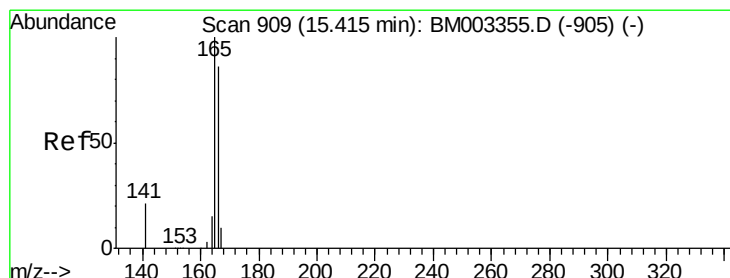
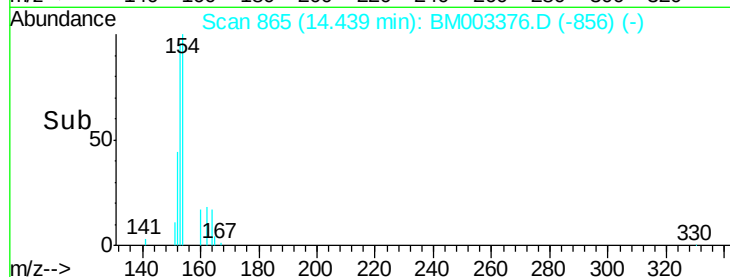
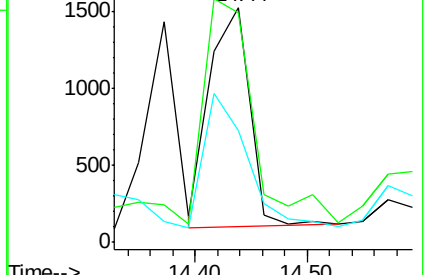
152 0.0 0.0 0.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.10 ng

RT: 15.42 min Scan# 909

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

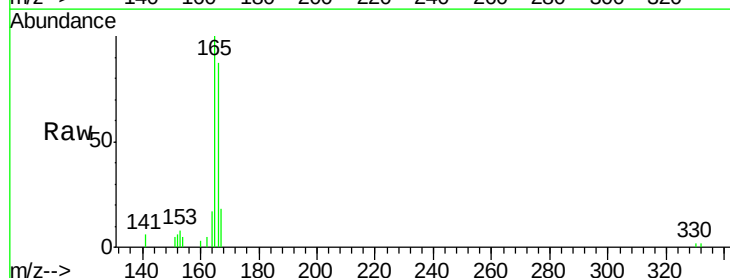
Tgt Ion:166 Resp: 4918

Ion Ratio Lower Upper

166 100

165 111.1 80.8 121.2

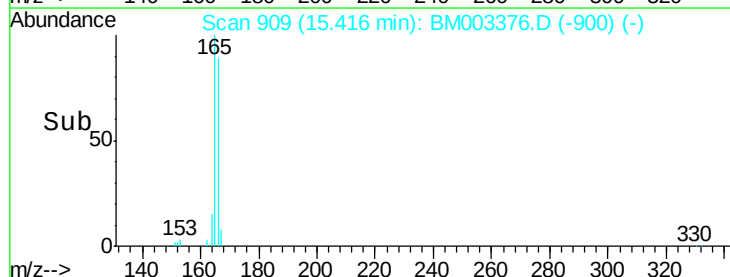
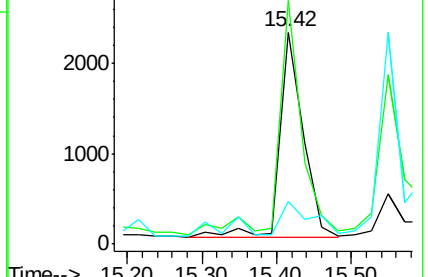
167 20.7 10.5 15.7#

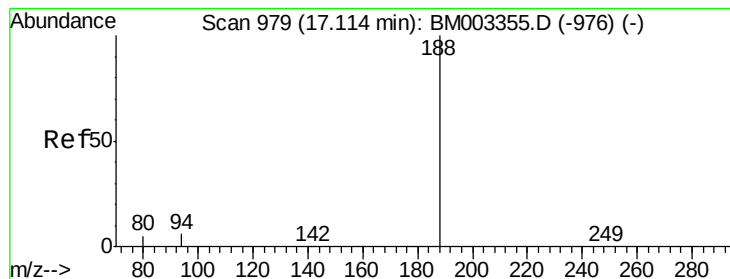


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.11 min Scan# 979

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

Instrument :

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ClientSampleId :

LIBERTYSF-002-SPLPSVOC3

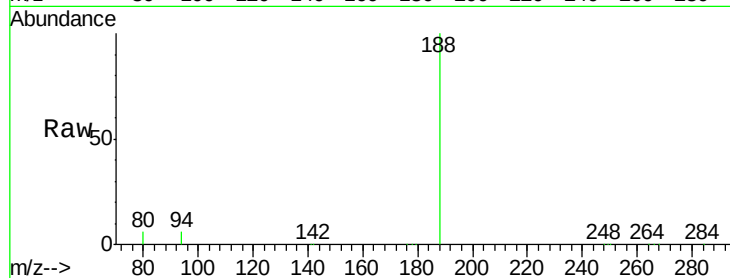
Tot Ion:188 Resp: 1388748

Ion Ratio Lower Upper

188 100

94 6.5 1.8 2.6#

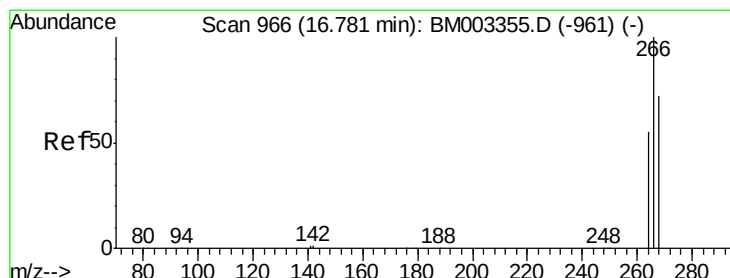
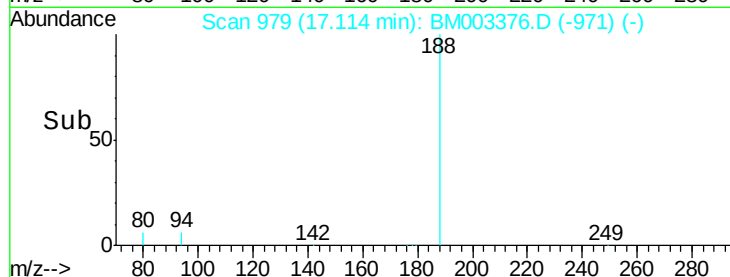
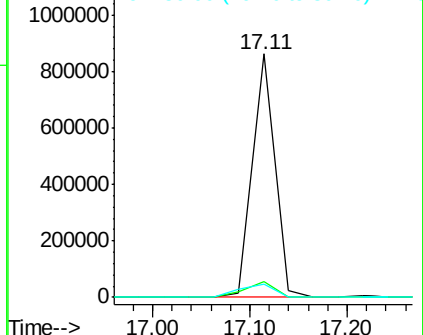
80 5.6 1.4 2.0#



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



#22

Pentachlorophenol

Concen: 1.44 ng

RT: 16.78 min Scan# 966

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

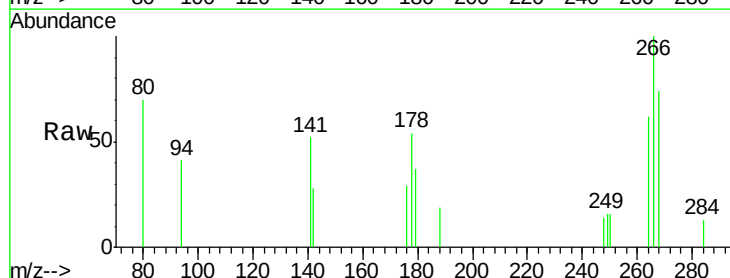
Tgt Ion:266 Resp: 784

Ion Ratio Lower Upper

266 100

268 73.7 45.8 68.8#

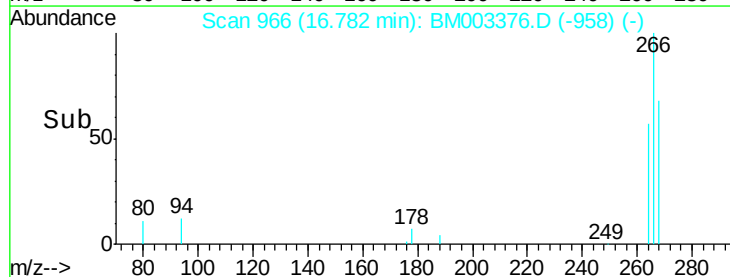
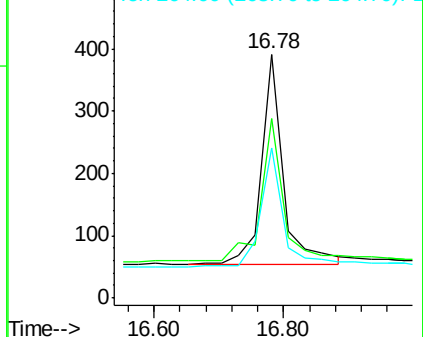
264 61.6 56.7 85.1

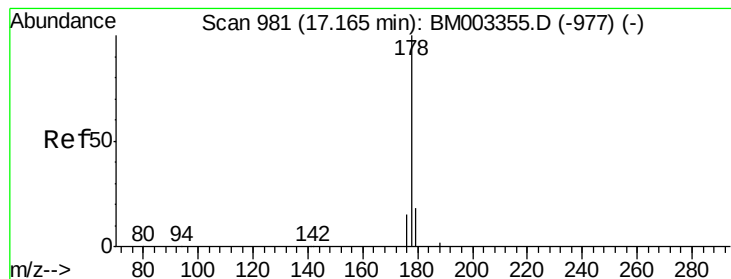


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 0.16 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

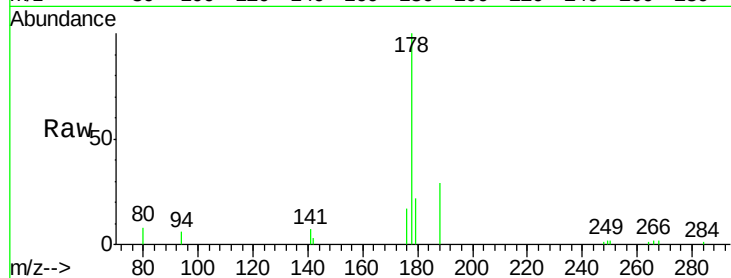
Tot Ion:178 Resp: 11003

Ion Ratio Lower Upper

178 100

176 0.0 15.9 23.9#

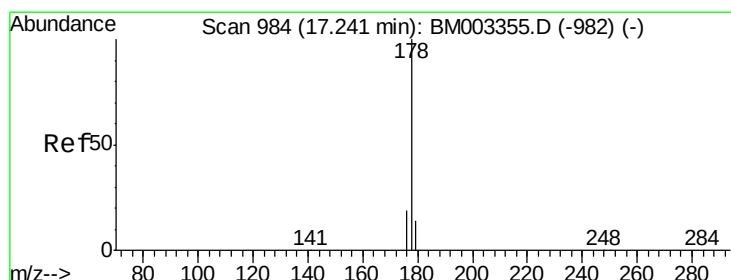
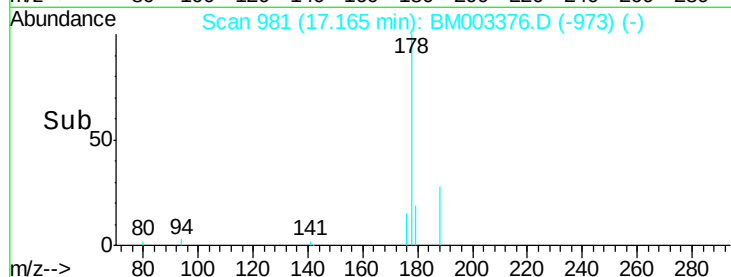
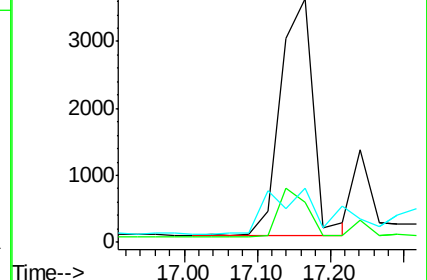
179 35.5 11.7 17.5#



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



#24

Anthracene

Concen: 0.03 ng

RT: 17.24 min Scan# 984

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

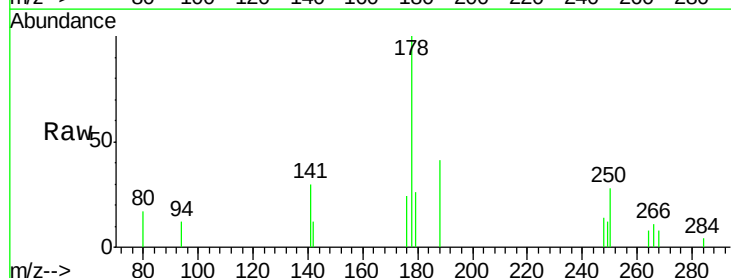
Tgt Ion:178 Resp: 2240

Ion Ratio Lower Upper

178 100

176 17.1 14.1 21.1

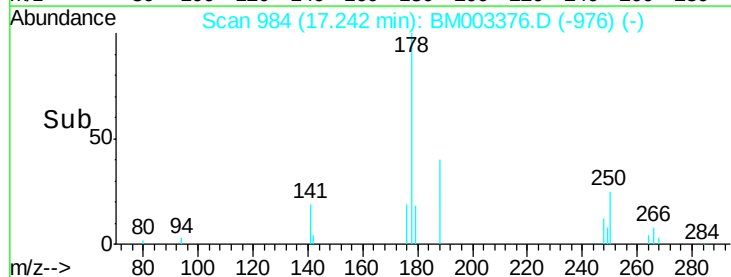
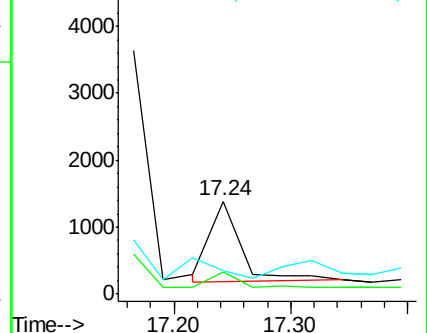
179 0.0 12.8 19.2#

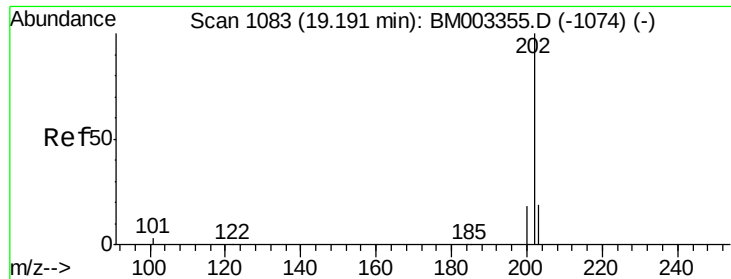


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 0.09 ng

RT: 19.19 min Scan# 1083

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

Instrument :

BNA_M

ClientSampleId :

LIBERTYSF-002-SPLPSVOC3

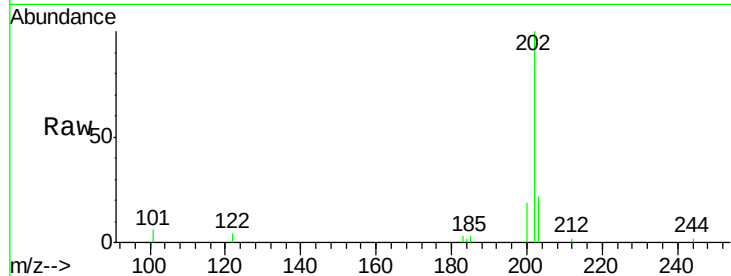
Tot Ion:202 Resp: 6557

Ion Ratio Lower Upper

202 100

101 13.9 9.9 14.9

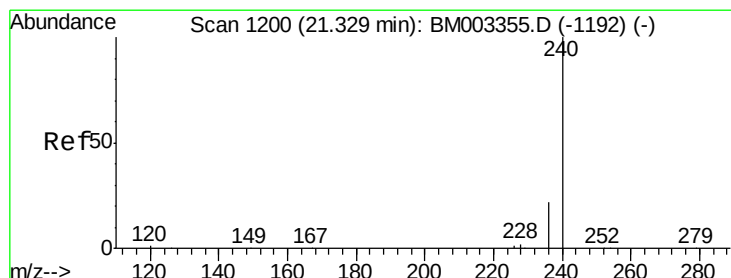
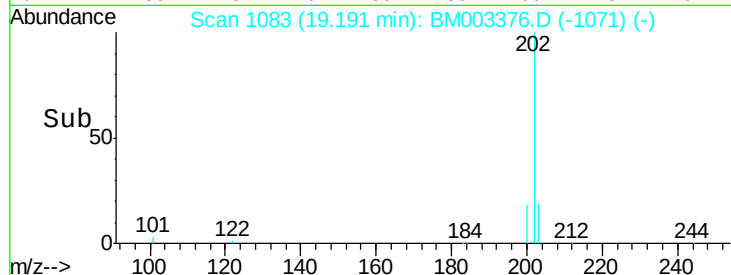
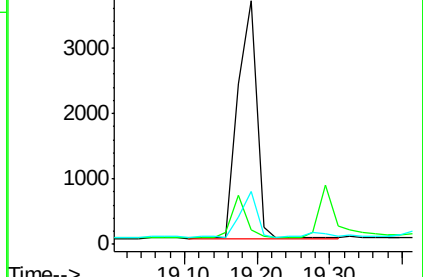
203 17.6 13.9 20.9



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: 20.00 ng

RT: 21.31 min Scan# 1199

Delta R.T. -0.02 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

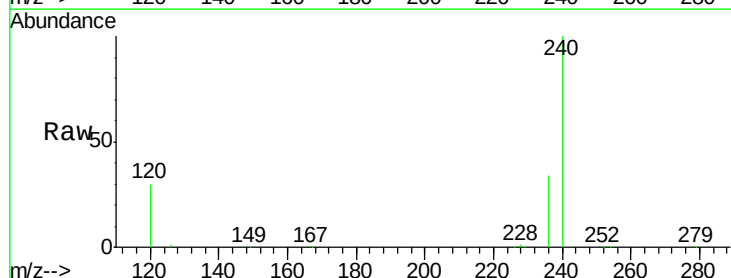
Tgt Ion:240 Resp: 831105

Ion Ratio Lower Upper

240 100

120 29.6 1.0 1.4#

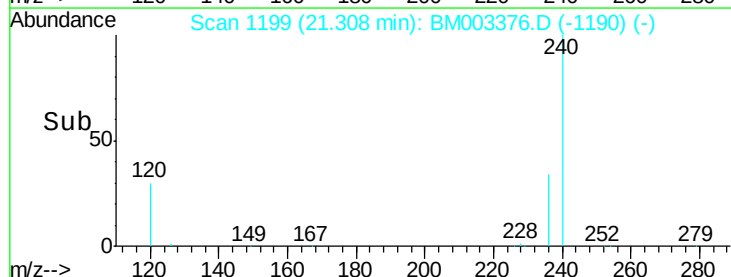
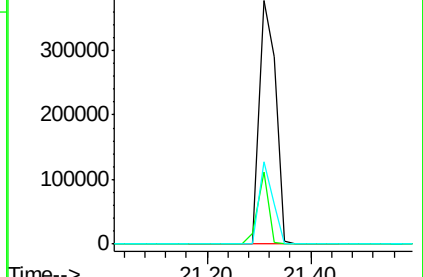
236 34.0 17.9 26.9#

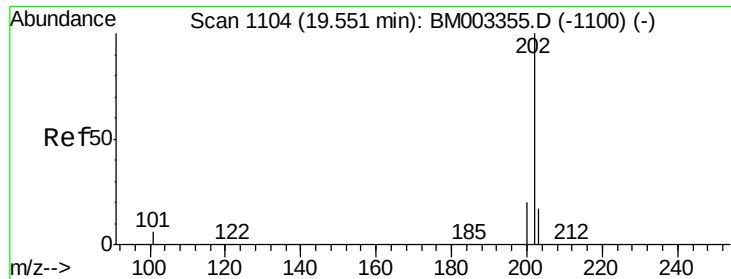


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

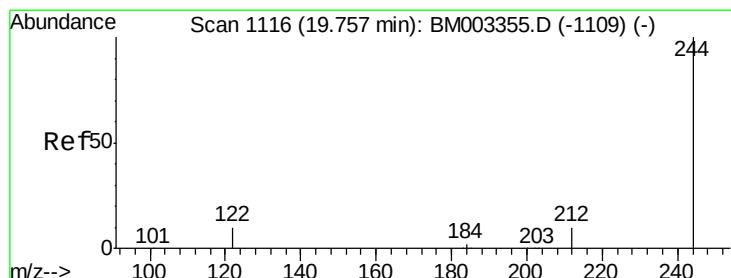
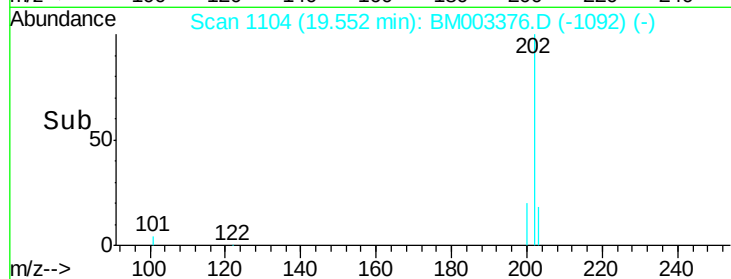
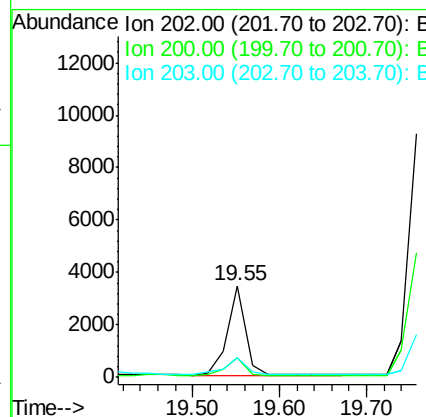
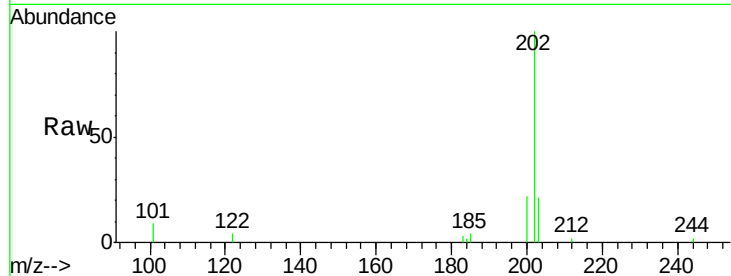




#28
Pvrene
Concen: 0.07 ng
RT: 19.55 min Scan# 1104
Delta R.T. 0.00 min
Lab File: BM003376.D
Acq: 03 Dec 2015 18:27

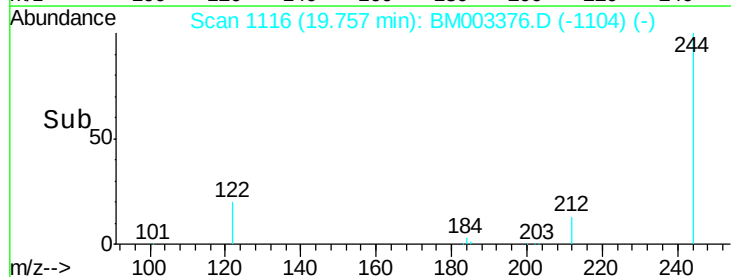
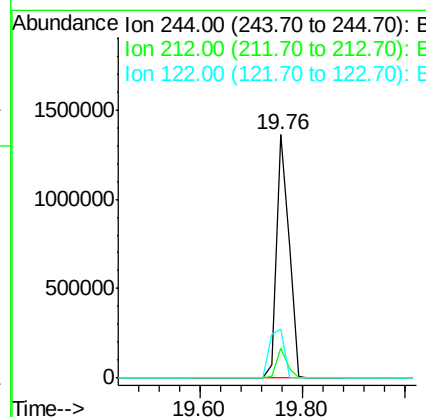
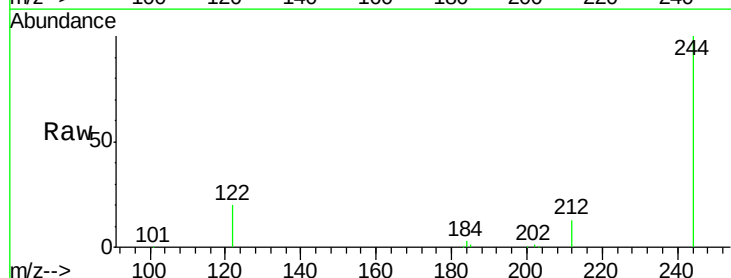
Instrument :
BNA_M
ClientSampleId :
LIBERTYSF-002-SPLPSVOC3

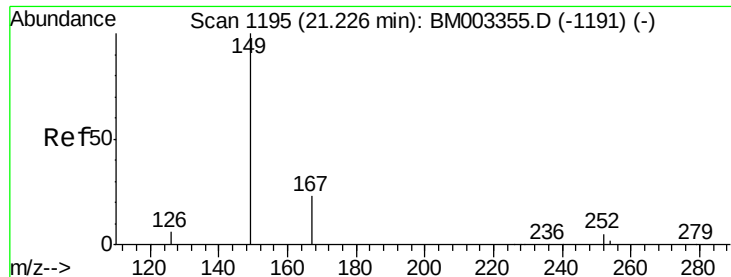
Tot Ion:202 Resp: 4984
Ion Ratio Lower Upper
202 100
200 21.3 16.7 25.1
203 23.0 13.8 20.6#



#29
Terphenyl-d14
Concen: 66.52 ng
RT: 19.76 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BM003376.D
Acq: 03 Dec 2015 18:27

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#





#33

Bis(2-ethylhexyl)phthalate

Concen: 1.20 ng

RT: 21.23 min Scan# 1195

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

Instrument :

BNA_M

ClientSampleId :

LIBERTYSF-002-SPLPSVOC3

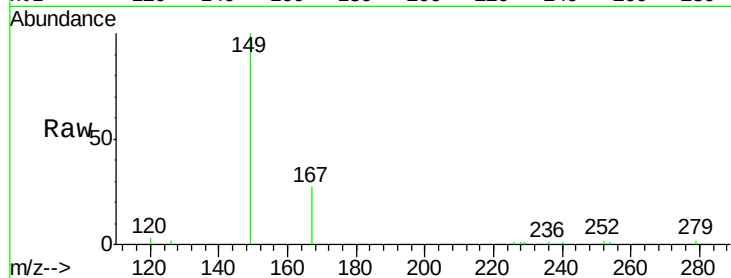
Tot Ion:149 Resp: 7609

Ion Ratio Lower Upper

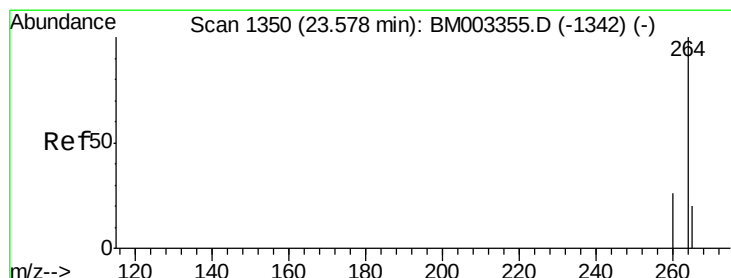
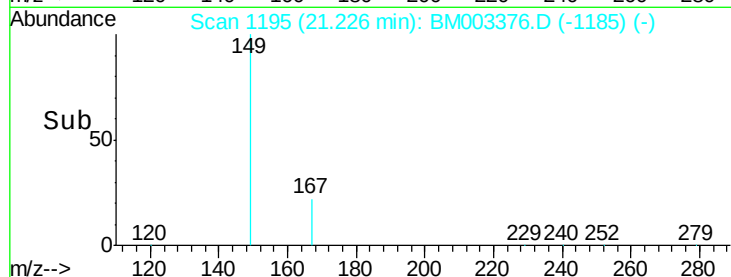
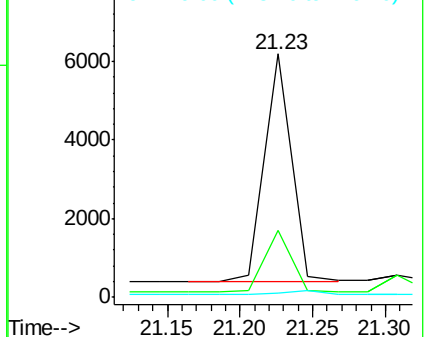
149 100

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: 20.00 ng

RT: 23.58 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BM003376.D

Acq: 03 Dec 2015 18:27

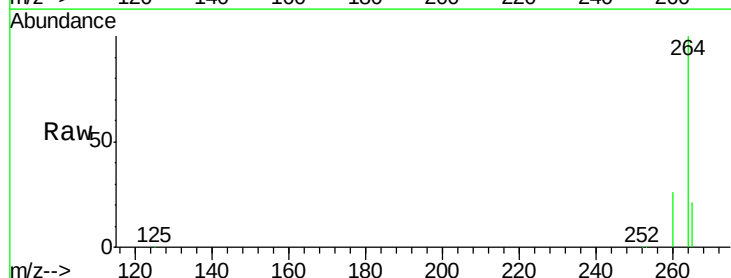
Tgt Ion:264 Resp: 756927

Ion Ratio Lower Upper

264 100

260 25.9 19.6 29.4

265 21.4 18.4 27.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

