

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112115\
 Data File : BF083137.D
 Acq On : 22 Nov 2015 4:32
 Operator : UM/IZ
 Sample : G4480-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LIBERTY SF_002-SPLPSVOC1

Quant Time: Nov 22 06:47:05 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 01:05:26 2015
 Response via : Initial Calibration

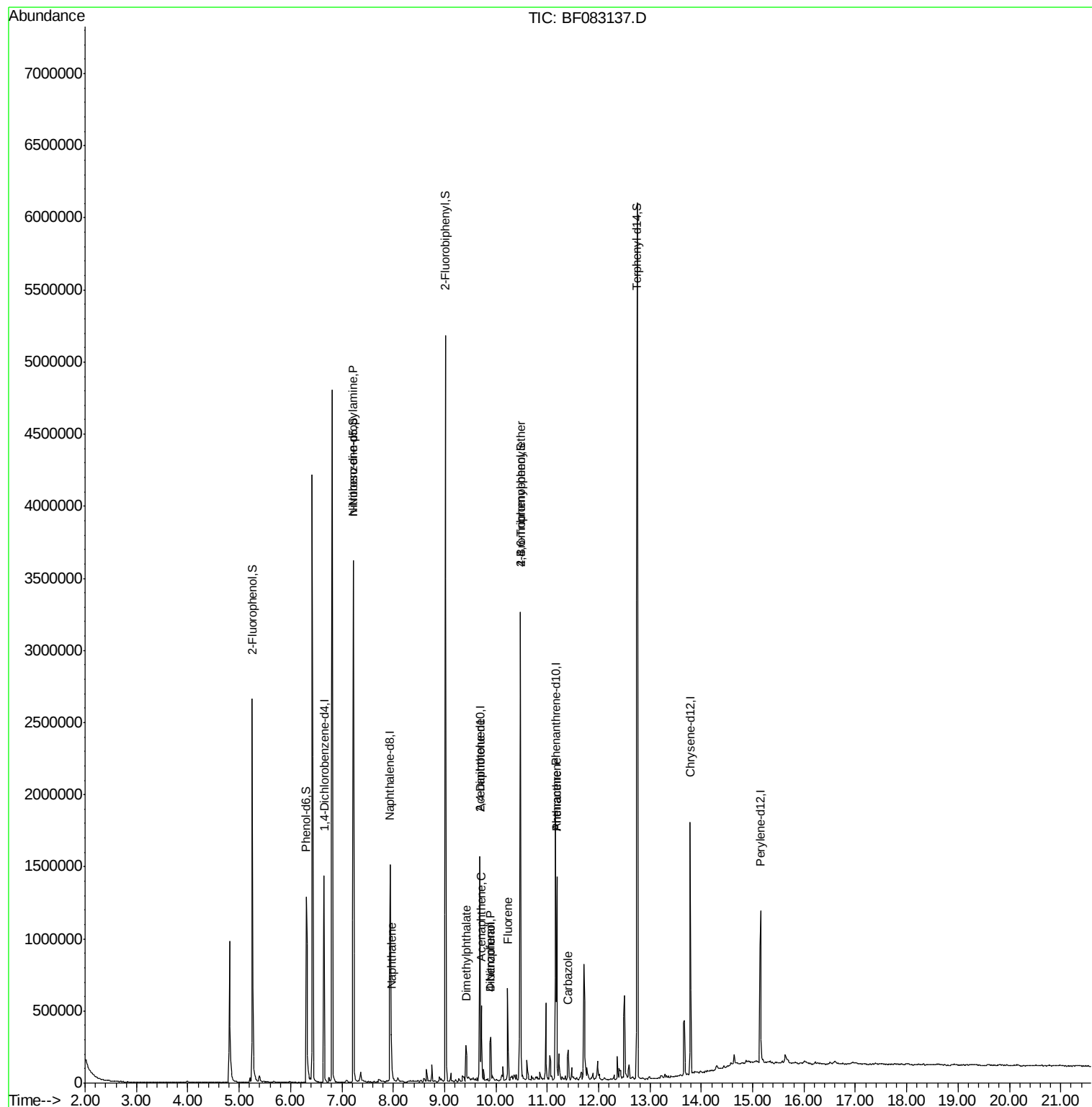
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	207977	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	755111	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	387072	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	726808	20.00	ng	-0.01
75) Chrysene-d12	13.78	240	632259	20.00	ng	-0.02
86) Perylene-d12	15.15	264	557409	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	782938	28.46	ng	-0.02
7) Phenol-d6	6.31	99	643770	18.08	ng	-0.03
23) Nitrobenzene-d5	7.22	82	1400296	42.37	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	529727	66.89	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	2280784	41.08	ng	-0.01
78) Terphenyl-d14	12.75	244	2190675	40.80	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.22	70	188400	15.21	ng	# 74
31) Naphthalene	7.96	128	196987	4.83	ng	98
49) Dimethylphthalate	9.42	163	131937	4.43	ng	99
51) Acenaphthene	9.71	154	140250	5.75	ng	99
54) Dibenzofuran	9.90	168	178275	5.17	ng	93
55) 4-Nitrophenol	9.90	139	64866	11.87	ng	# 1
56) 2,4-Dinitrotoluene	9.69	165	50085	5.91	ng	# 10
57) Fluorene	10.23	166	186028	6.52	ng	99
66) 4-Bromophenyl-phenylether	10.48	248	35476	4.40	ng	# 1
70) Phenanthrene	11.19	178	563190	13.45	ng	98
71) Anthracene	11.19	178	563190	13.18	ng	98
72) Carbazole	11.40	167	118164	3.11	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: 6.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

LIBERTY SF_002-SPLPSVOC1

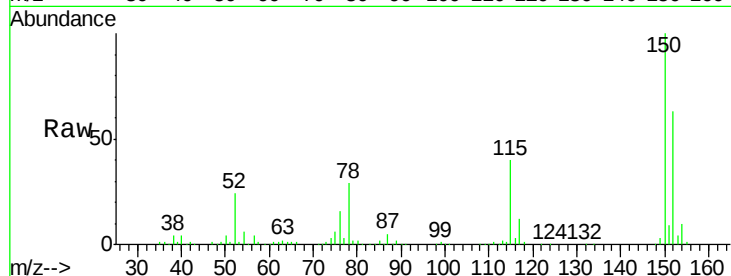
Tgt Ion:152 Resp: 207977

Ion Ratio Lower Upper

152 100

150 157.8 125.8 188.8

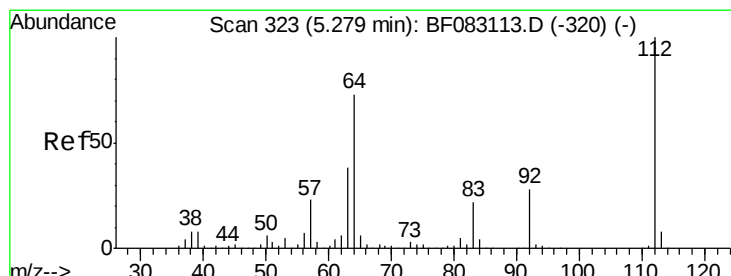
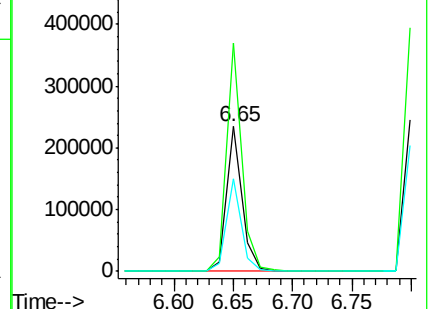
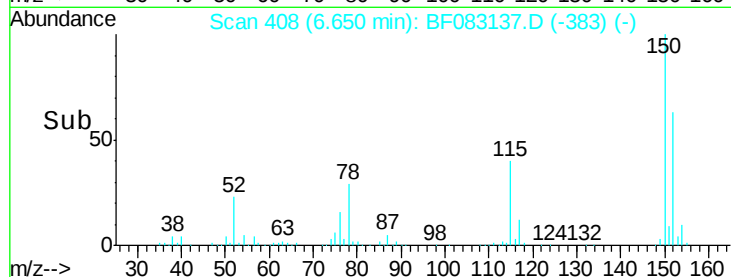
115 63.7 46.9 70.3



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



#5

2-Fluorophenol

Concen: 28.46 ng

RT: 5.26 min Scan# 286

Delta R.T. -0.02 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

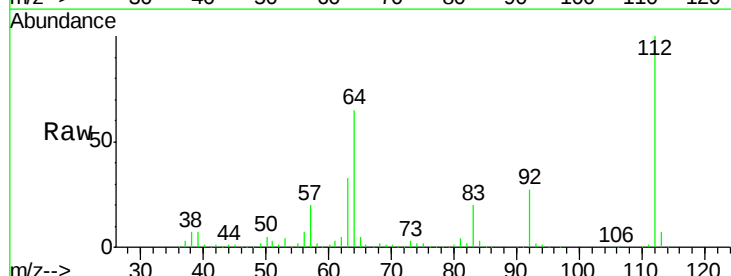
Tgt Ion:112 Resp: 782938

Ion Ratio Lower Upper

112 100

64 64.8 58.4 87.6

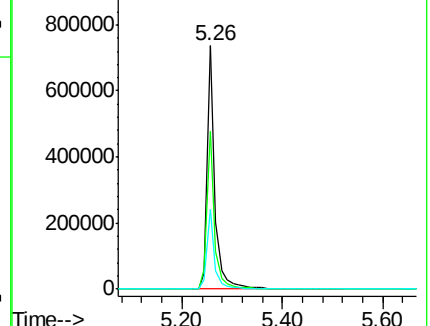
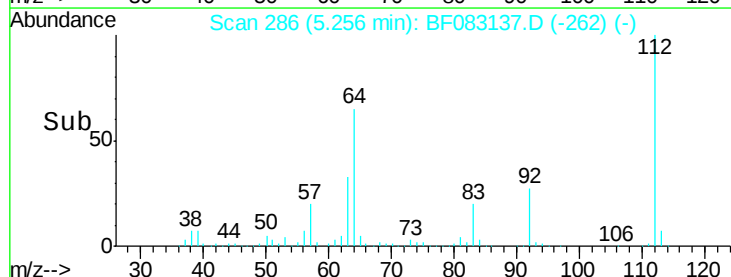
63 32.6 30.0 45.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 18.08 ng

RT: 6.31 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

LIBERTY SF_002-SPLPSVOC1

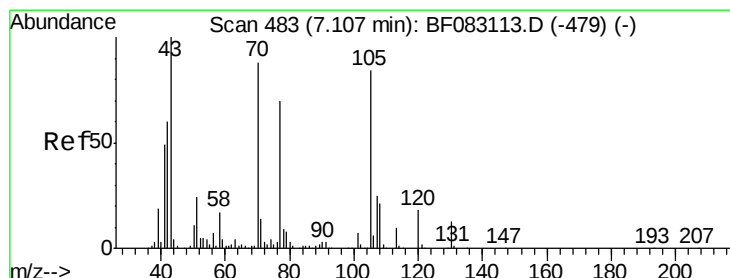
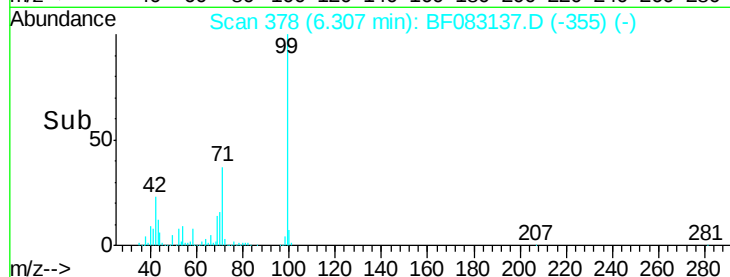
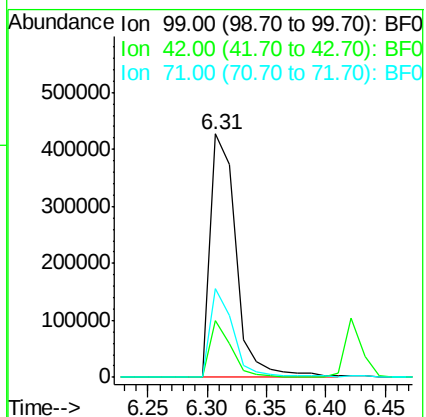
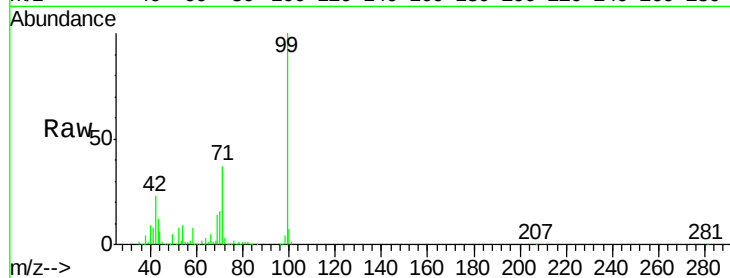
Tgt Ion: 99 Resp: 643770

Ion Ratio Lower Upper

99 100

42 23.3 17.7 26.5

71 36.5 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 15.21 ng

RT: 7.22 min Scan# 458

Delta R.T. 0.11 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

Tgt Ion: 70 Resp: 188400

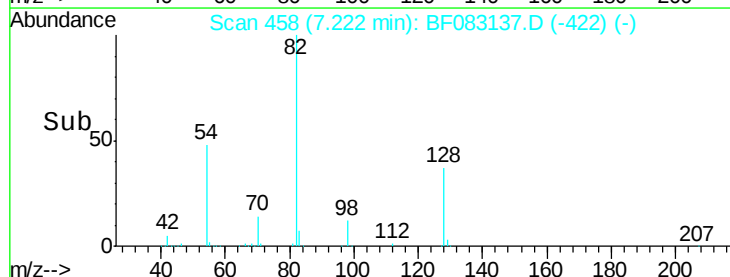
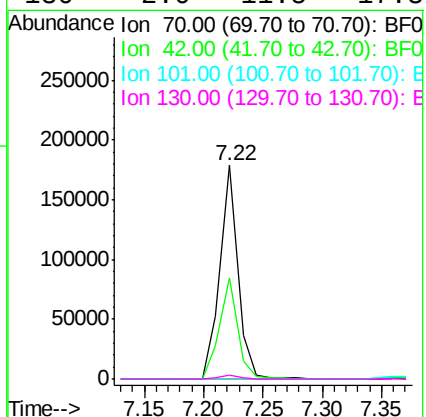
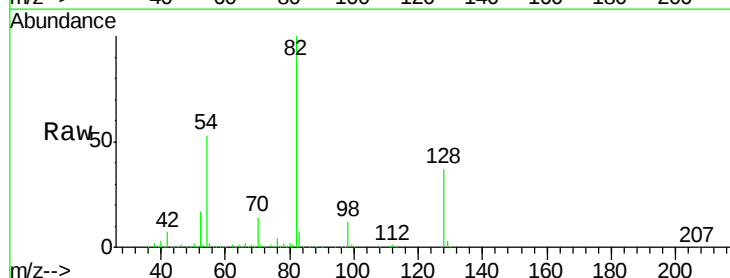
Ion Ratio Lower Upper

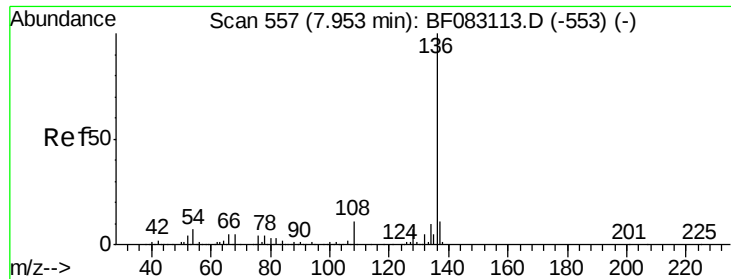
70 100

42 47.3 54.5 81.7#

101 0.0 6.6 9.8#

130 2.0 11.5 17.3#

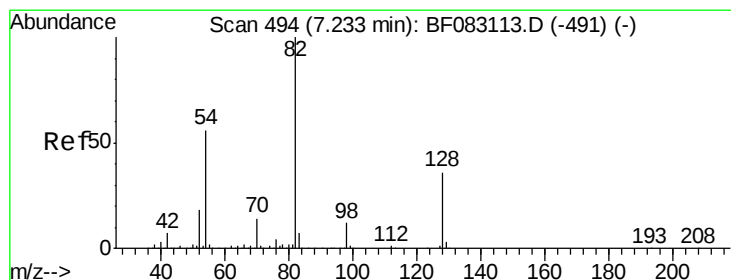
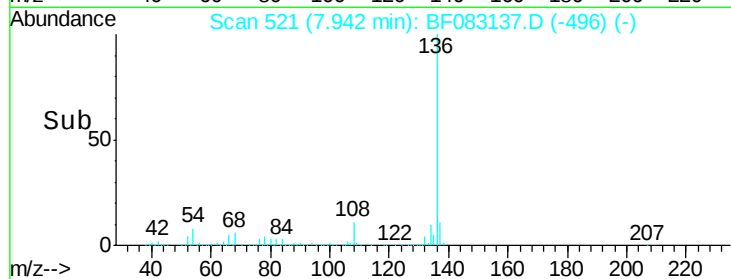
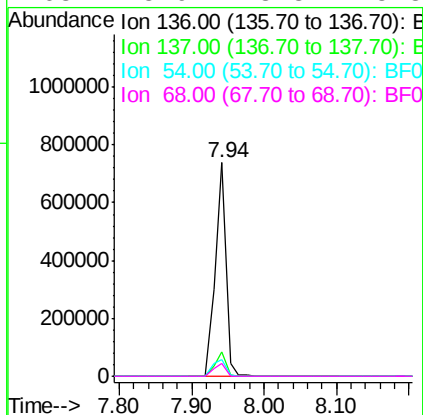
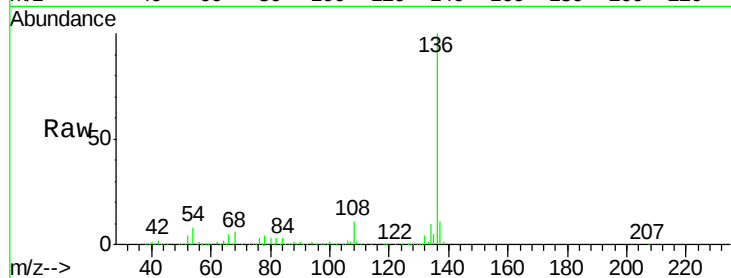




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 521
Delta R.T. -0.01 min
Lab File: BF083137.D
Acq: 22 Nov 2015 4:32

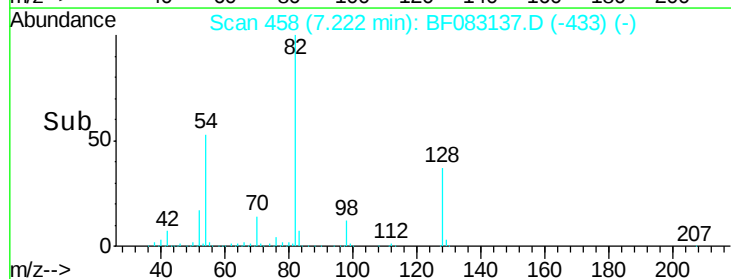
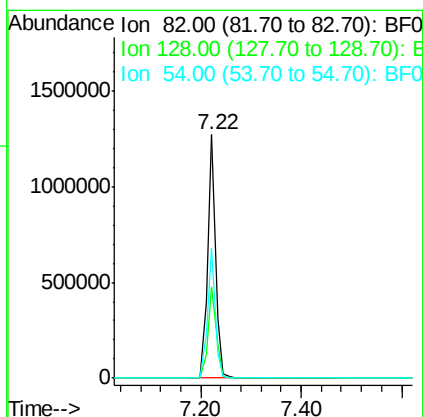
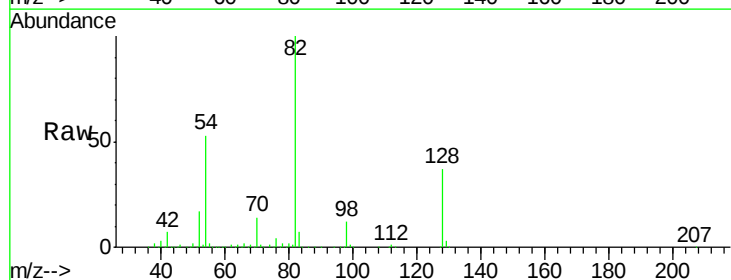
Instrument :
BNA_F
ClientSampleId :
LIBERTY SF_002-SPLPSVOC1

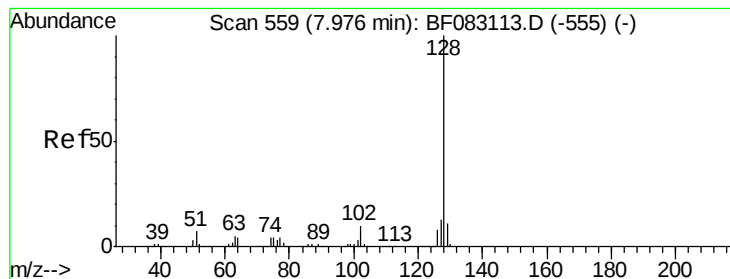
Tgt Ion:	136	Resp:	755111
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	8.1	5.8	8.6
68	5.9	3.8	5.8#



#23
Nitrobenzene-d5
Concen: 42.37 ng
RT: 7.22 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF083137.D
Acq: 22 Nov 2015 4:32

Tgt Ion:	82	Resp:	1400296
Ion	Ratio	Lower	Upper
82	100		
128	37.4	28.5	42.7
54	53.4	44.6	67.0





#31

Naphthalene

Concen: 4.83 ng

RT: 7.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

LIBERTY SF_002-SPLPSVOC1

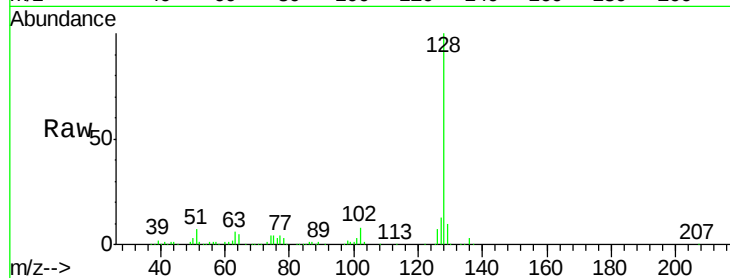
Tgt Ion:128 Resp: 196987

Ion Ratio Lower Upper

128 100

129 10.3 9.0 13.4

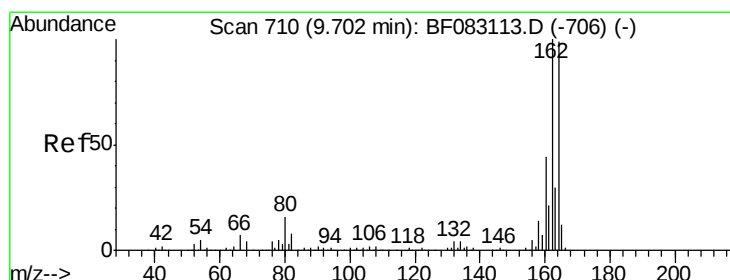
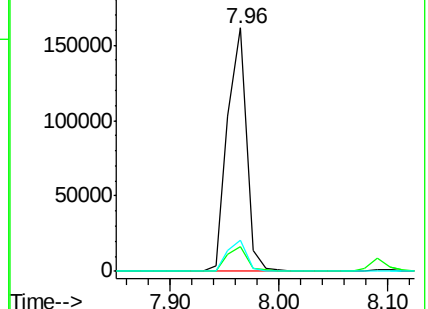
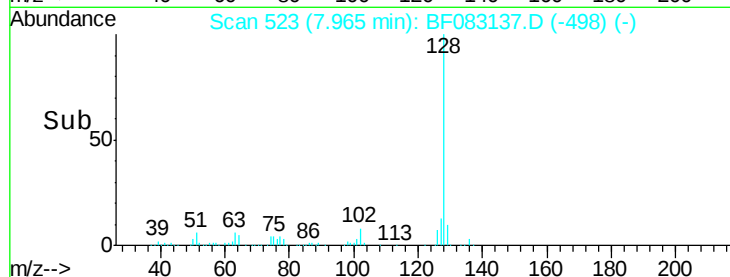
127 12.9 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.69 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

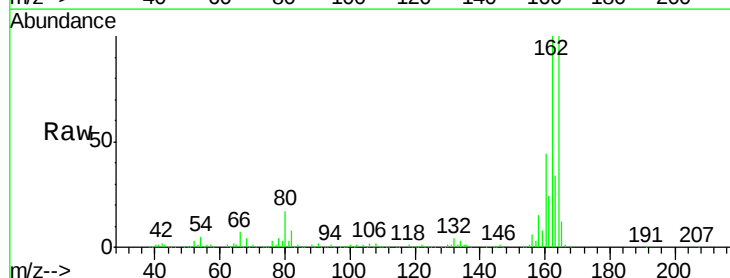
Tgt Ion:164 Resp: 387072

Ion Ratio Lower Upper

164 100

162 99.7 81.2 121.8

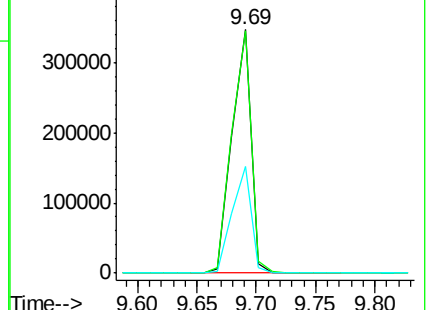
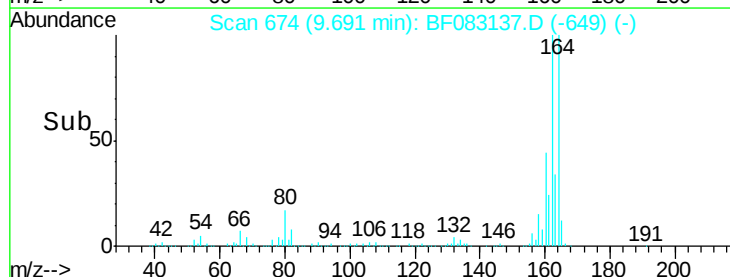
160 43.6 35.6 53.4

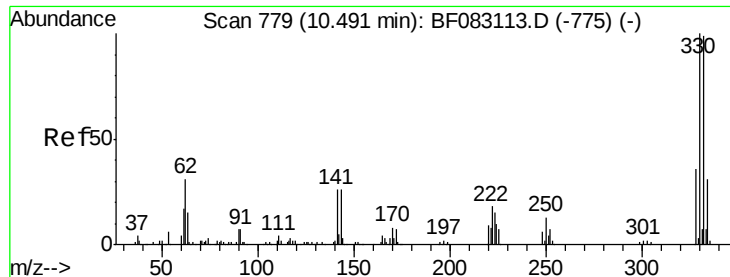


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

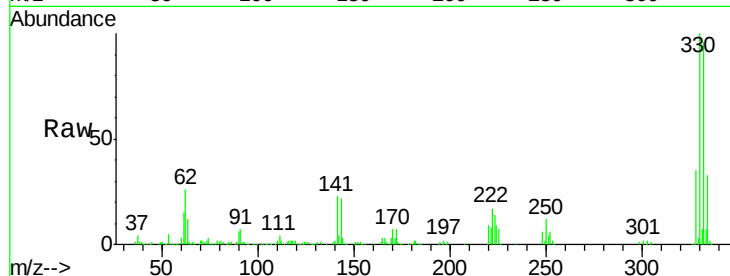




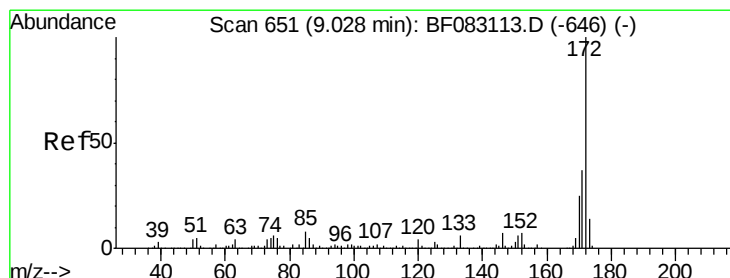
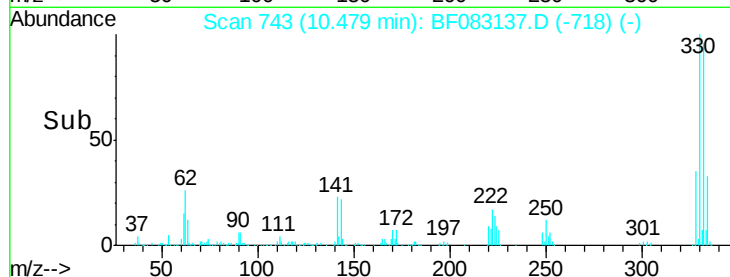
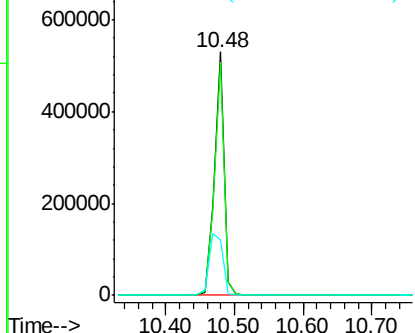
#41
 2,4,6-Tribromophenol
 Concen: 66.89 ng
 RT: 10.48 min Scan# 743
 Delta R.T. -0.01 min
 Lab File: BF083137.D
 Acq: 22 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 LIBERTY SF_002-SPLPSVOC1

Tgt Ion: 330 Resp: 529727
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.7 116.5
 141 35.8 29.7 44.5

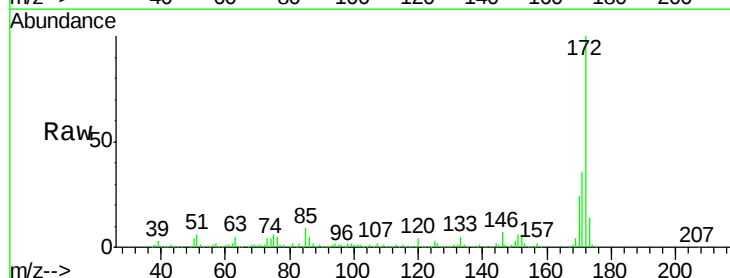


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

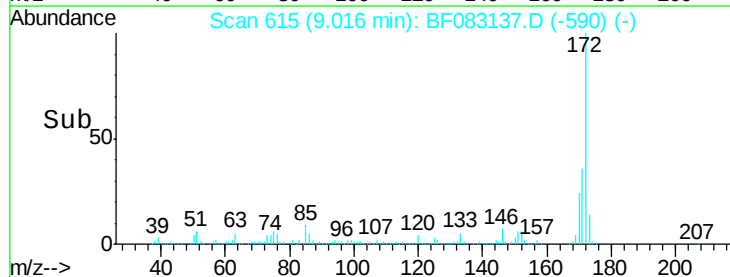
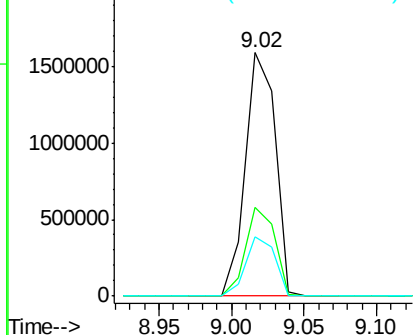


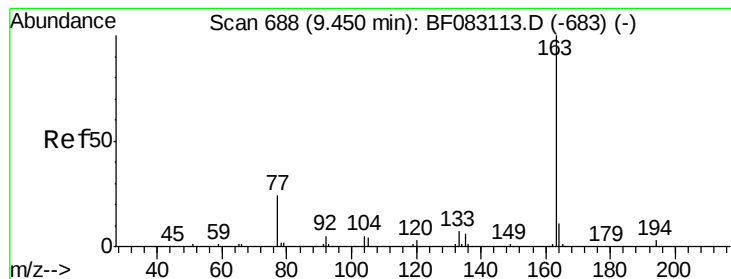
#44
 2-Fluorobiphenyl
 Concen: 41.08 ng
 RT: 9.02 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF083137.D
 Acq: 22 Nov 2015 4:32

Tgt Ion: 172 Resp: 2280784
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.5 44.3
 170 24.2 19.9 29.9



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





#49

Dimethylphthalate

Concen: 4.43 ng

RT: 9.42 min Scan# 650

Delta R.T. -0.03 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

LIBERTY SF_002-SPLPSVOC1

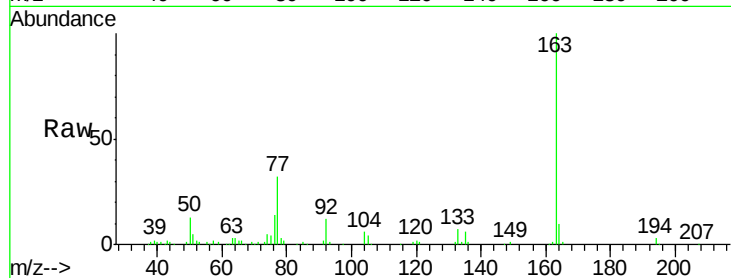
Tgt Ion:163 Resp: 131937

Ion Ratio Lower Upper

163 100

194 2.8 2.6 4.0

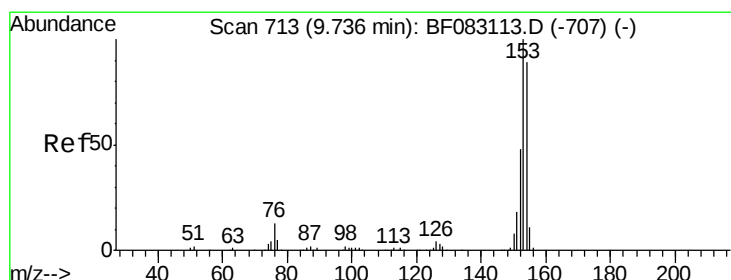
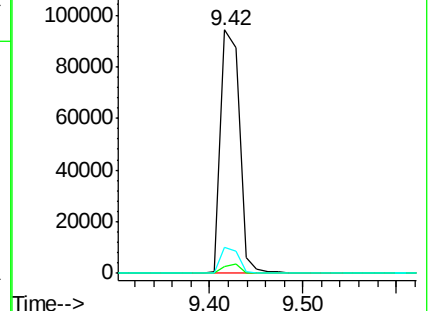
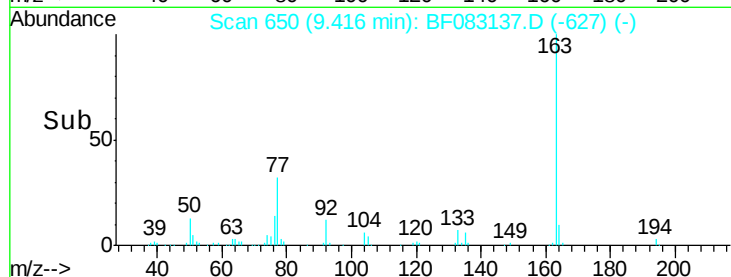
164 10.5 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 5.75 ng

RT: 9.71 min Scan# 676

Delta R.T. -0.02 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

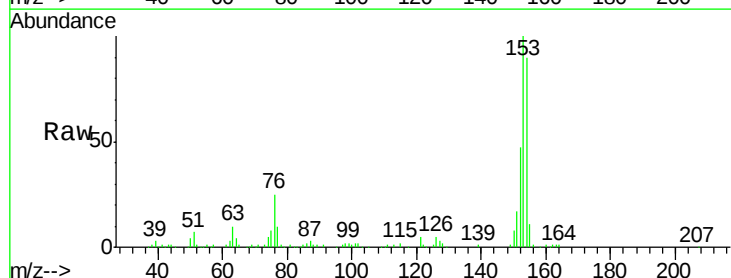
Tgt Ion:154 Resp: 140250

Ion Ratio Lower Upper

154 100

153 111.2 89.6 134.4

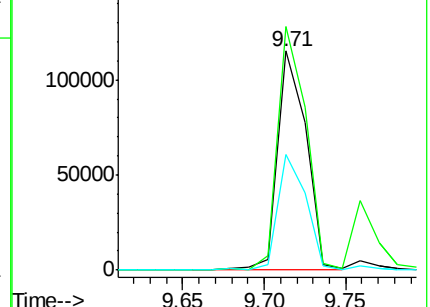
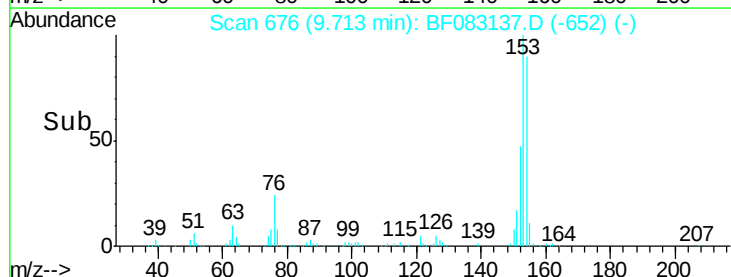
152 52.8 43.3 64.9

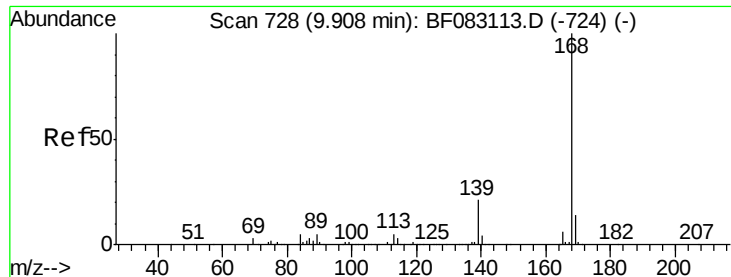


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

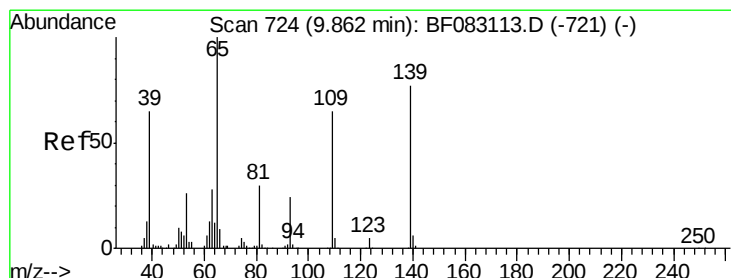
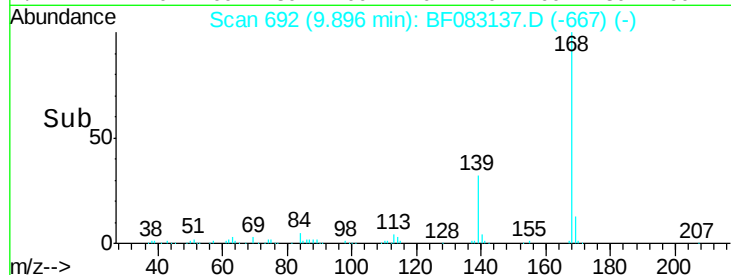
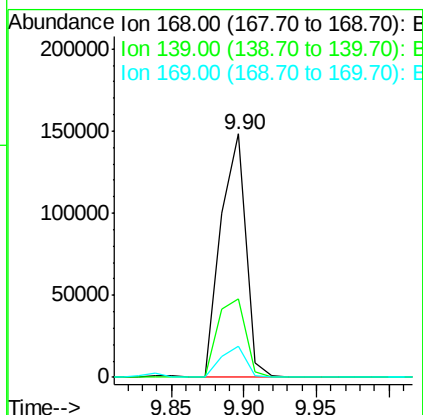
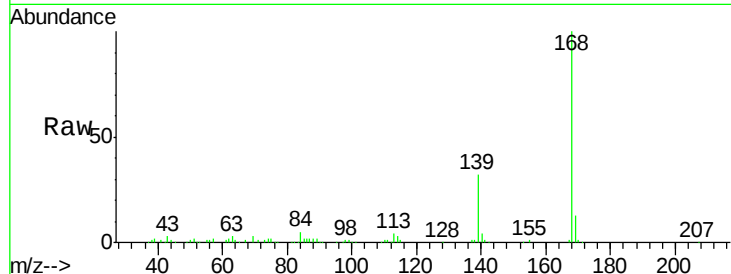




#54
Dibenzofuran
Concen: 5.17 ng
RT: 9.90 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF083137.D
Acq: 22 Nov 2015 4:32

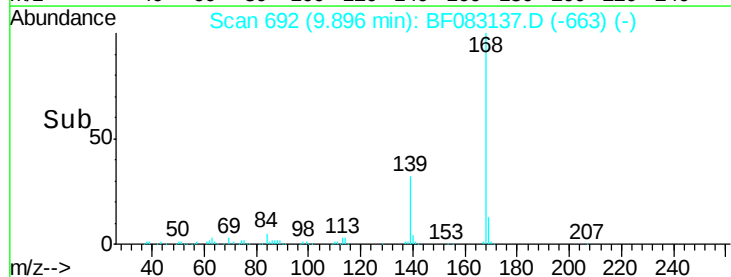
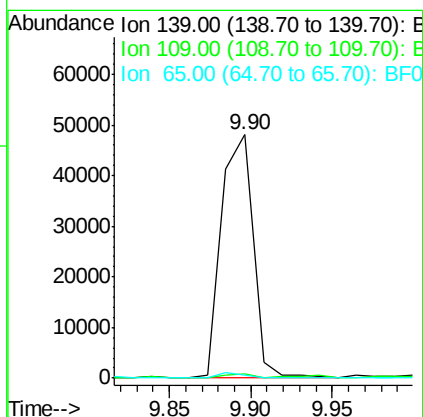
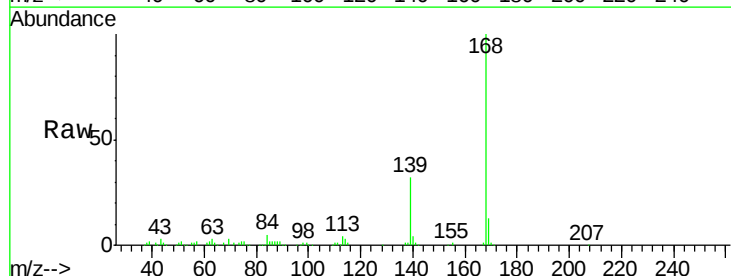
Instrument :
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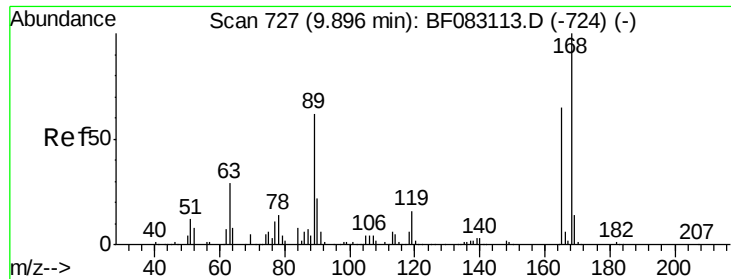
Tgt Ion:168 Resp: 178275
Ion Ratio Lower Upper
168 100
139 32.5 30.2 45.2
169 12.8 10.9 16.3



#55
4-Nitrophenol
Concen: 11.87 ng
RT: 9.90 min Scan# 692
Delta R.T. 0.03 min
Lab File: BF083137.D
Acq: 22 Nov 2015 4:32

Tgt Ion:139 Resp: 64866
Ion Ratio Lower Upper
139 100
109 1.5 64.0 104.0#
65 1.4 109.5 149.5#

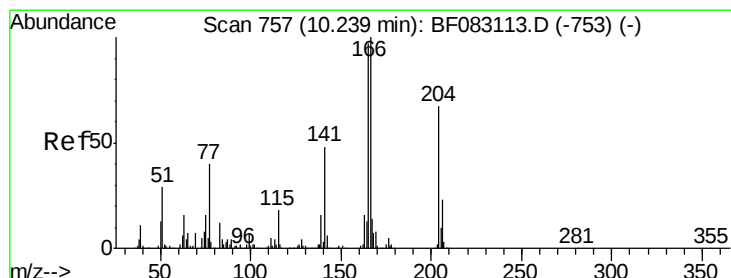
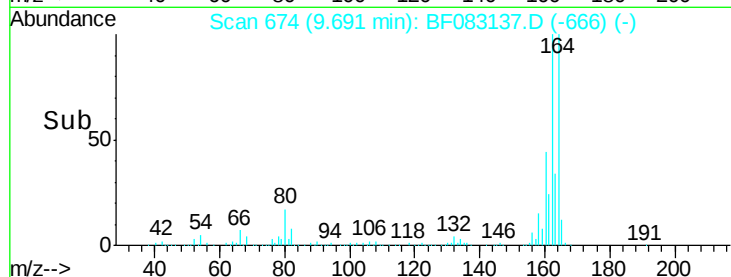
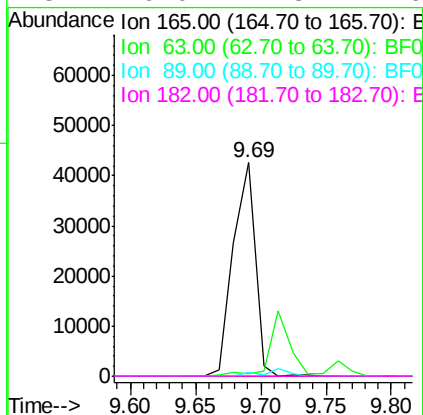
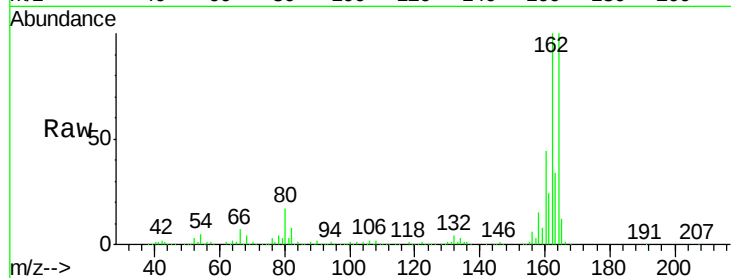




#56
2,4-Dinitrotoluene
Concen: 5.91 ng
RT: 9.69 min Scan# 674
Delta R.T. -0.21 min
Lab File: BF083137.D
Acq: 22 Nov 2015 4:32

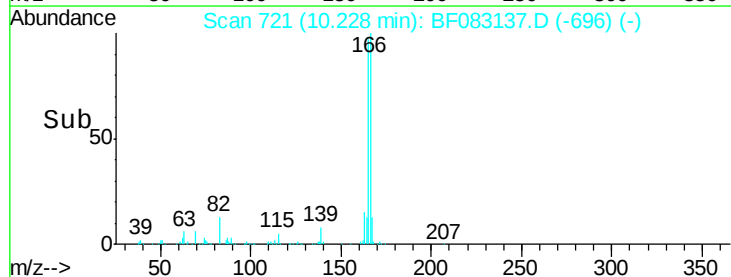
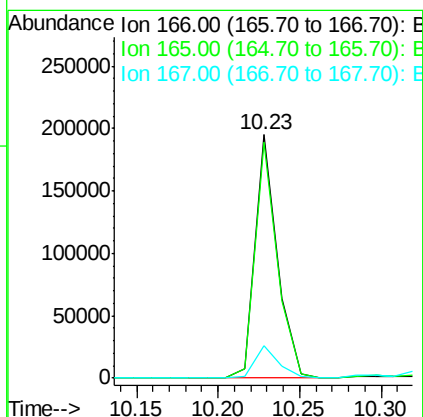
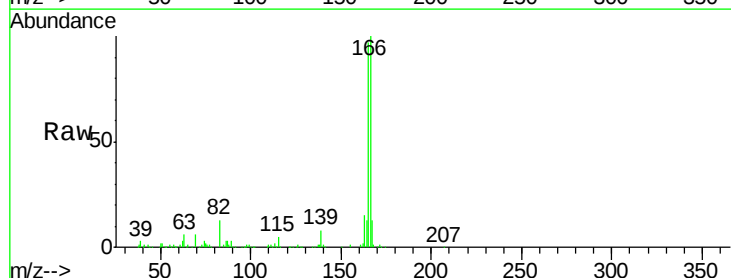
Instrument :
BNA_F
ClientSampleId :
LIBERTY SF_002-SPLPSVOC1

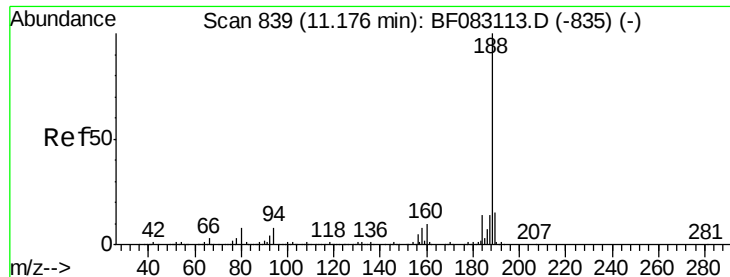
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	54.5	81.7#
89	1.7	77.3	115.9#
182	0.0	1.8	2.6#



#57
Fluorene
Concen: 6.52 ng
RT: 10.23 min Scan# 721
Delta R.T. -0.01 min
Lab File: BF083137.D
Acq: 22 Nov 2015 4:32

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.0	117.0
167	13.4	11.3	16.9

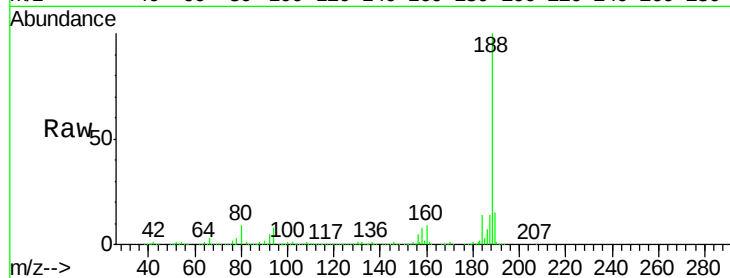




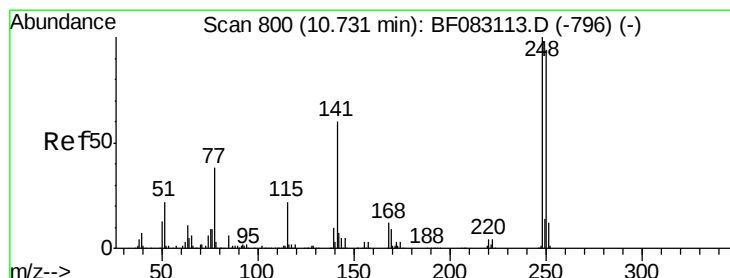
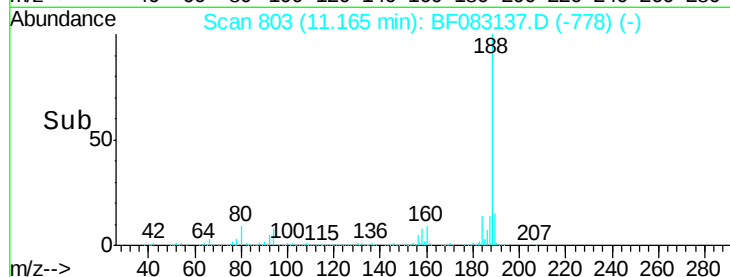
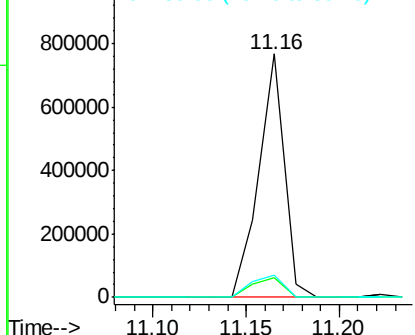
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF083137.D
Acq: 22 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
LIBERTY SF_002-SPLPSVOC1

Tgt Ion:188 Resp: 726808
Ion Ratio Lower Upper
188 100
94 8.2 6.0 9.0
80 9.3 6.7 10.1

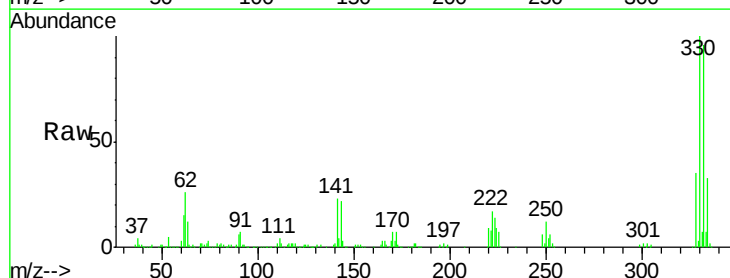


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

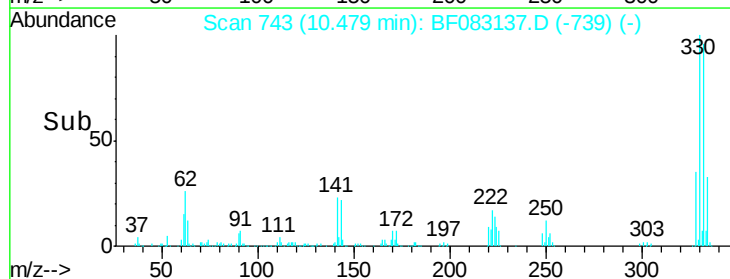
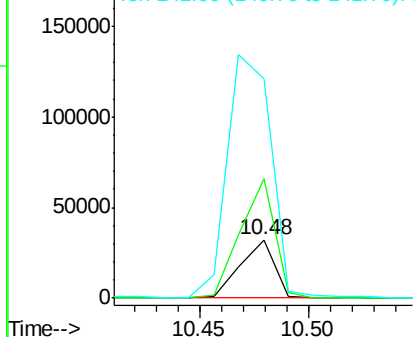


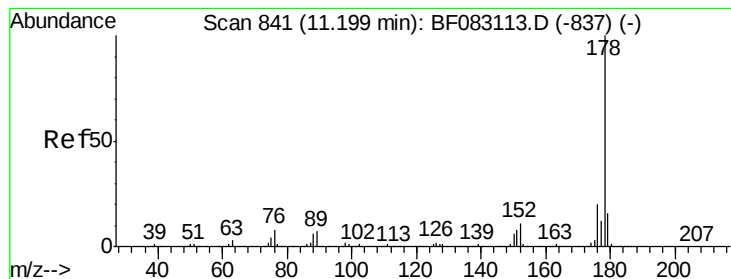
#66
4-Bromophenyl-phenylether
Concen: 4.40 ng
RT: 10.48 min Scan# 743
Delta R.T. -0.25 min
Lab File: BF083137.D
Acq: 22 Nov 2015 4:32

Tgt Ion:248 Resp: 35476
Ion Ratio Lower Upper
248 100
250 205.6 75.4 113.2#
141 377.7 48.1 72.1#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 13.45 ng

RT: 11.19 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

LIBERTY SF_002-SPLPSVOC1

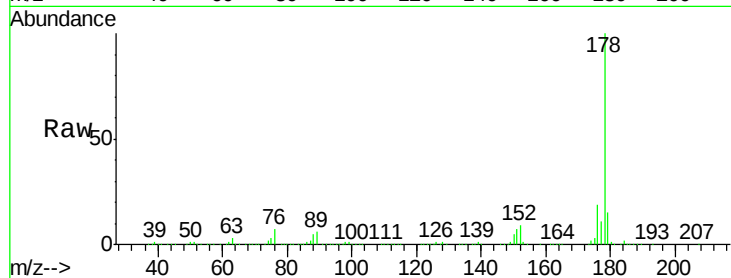
Tgt Ion:178 Resp: 563190

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.2

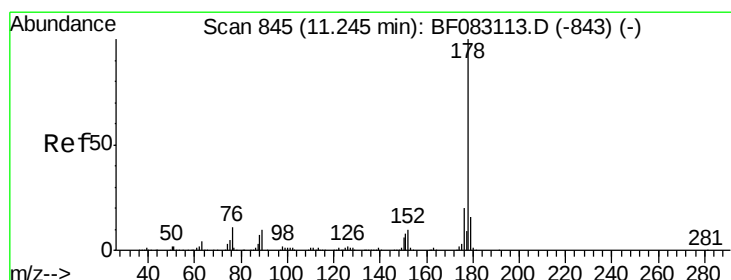
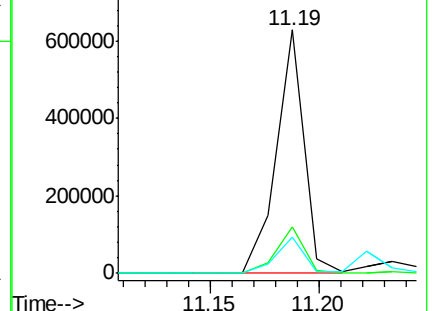
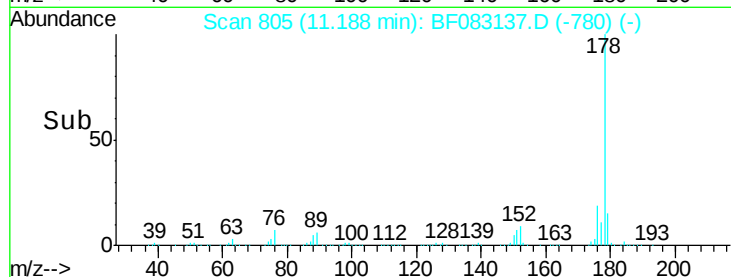
179 15.1 12.8 19.2



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



#71

Anthracene

Concen: 13.18 ng

RT: 11.19 min Scan# 805

Delta R.T. -0.06 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

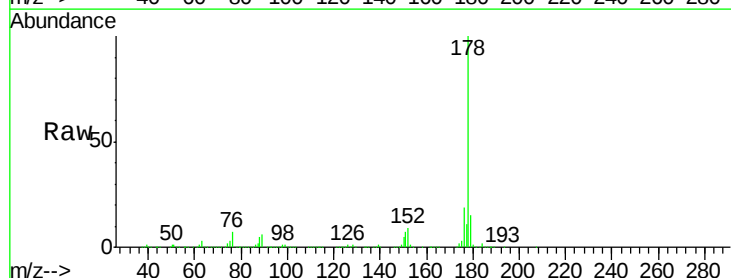
Tgt Ion:178 Resp: 563190

Ion Ratio Lower Upper

178 100

176 19.0 15.6 23.4

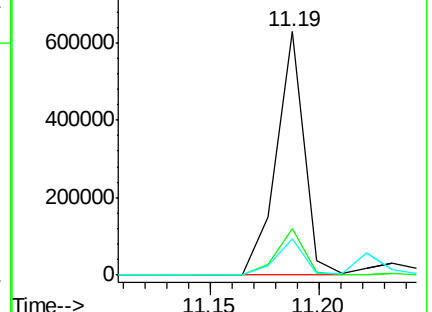
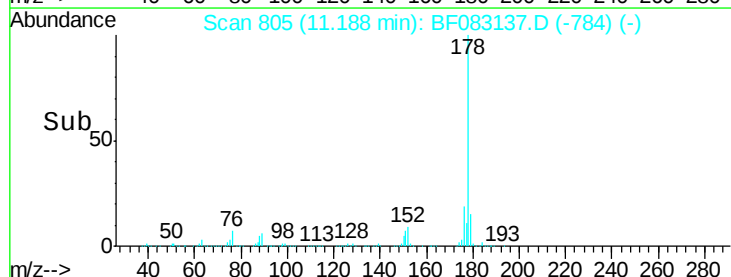
179 15.1 13.2 19.8

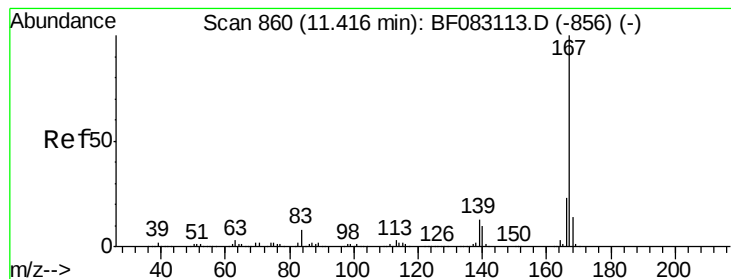


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.11 ng

RT: 11.40 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

LIBERTY SF_002-SPLPSVOC1

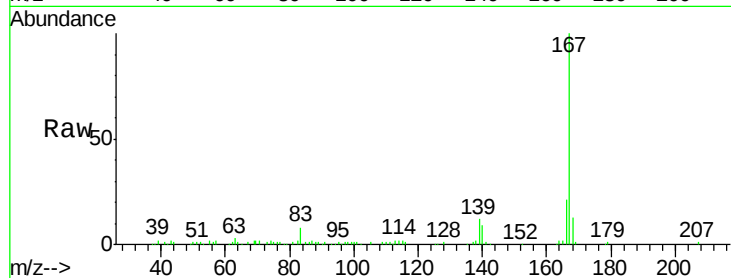
Tgt Ion:167 Resp: 118164

Ion Ratio Lower Upper

167 100

166 20.5 18.0 27.0

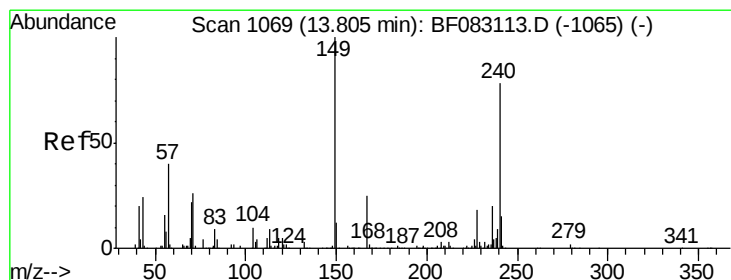
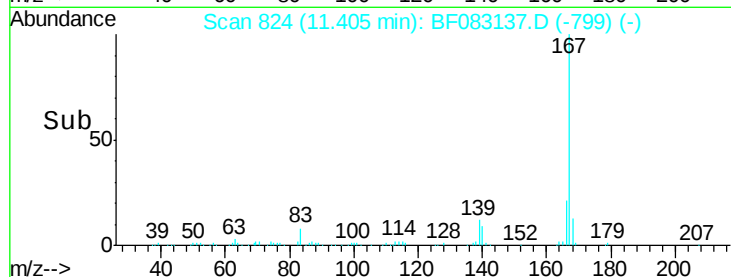
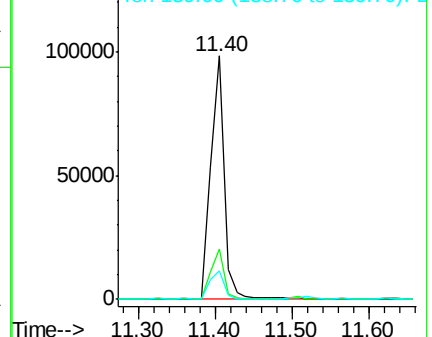
139 11.5 10.5 15.7



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.78 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

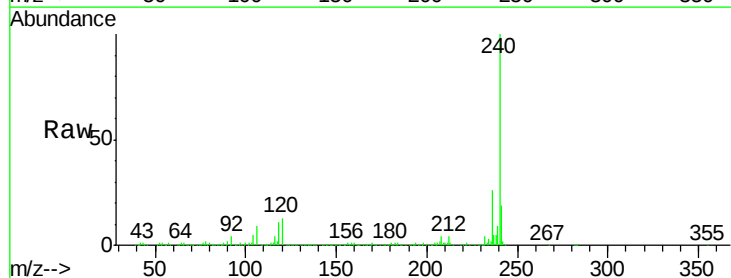
Tgt Ion:240 Resp: 632259

Ion Ratio Lower Upper

240 100

120 12.6 5.4 8.2#

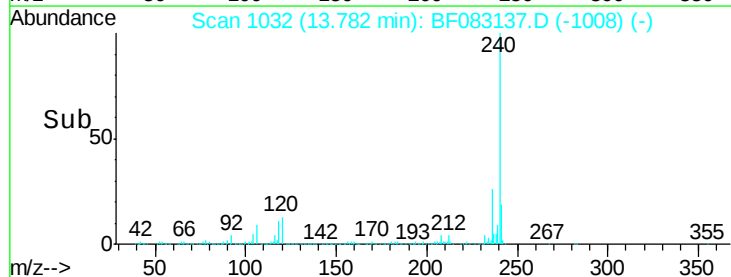
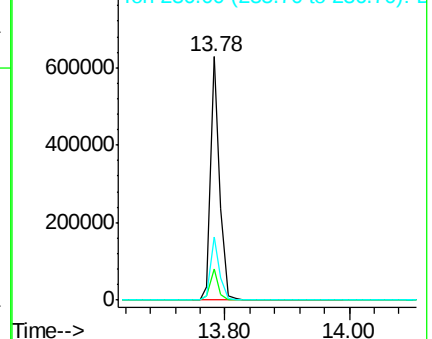
236 25.8 20.6 31.0

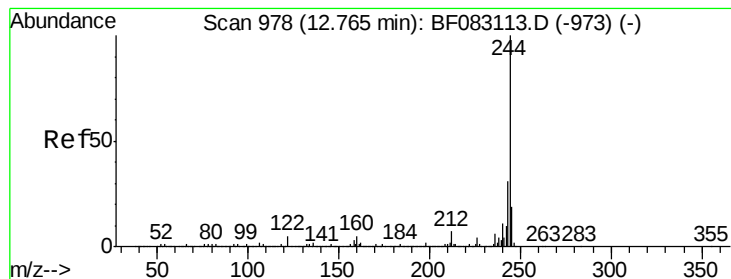


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 40.80 ng

RT: 12.75 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

LIBERTY SF_002-SPLPSVOC1

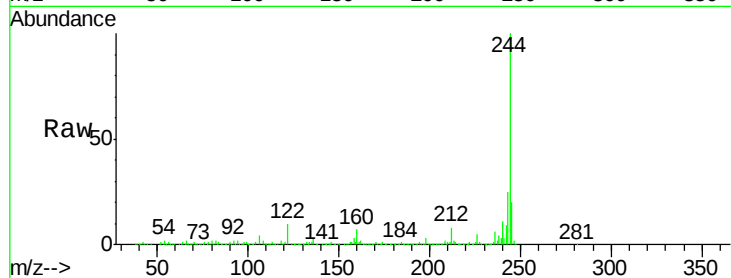
Tgt Ion:244 Resp: 2190675

Ion Ratio Lower Upper

244 100

212 8.0 5.4 8.2

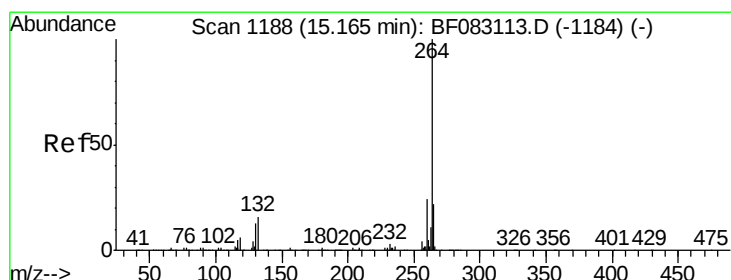
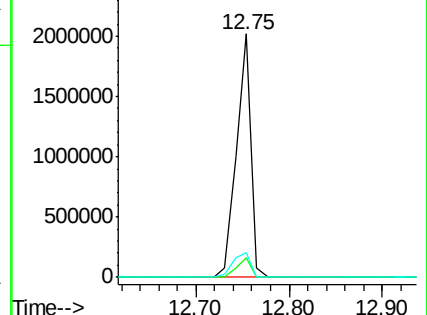
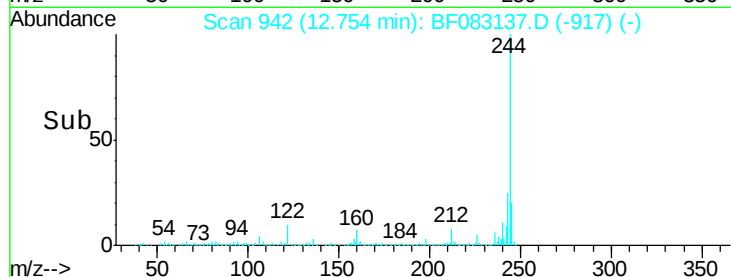
122 10.3 4.3 6.5#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.15 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF083137.D

Acq: 22 Nov 2015 4:32

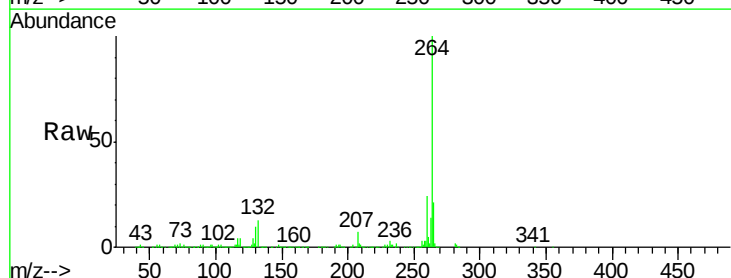
Tgt Ion:264 Resp: 557409

Ion Ratio Lower Upper

264 100

260 24.2 19.1 28.7

265 21.5 18.2 27.4



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

