

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112115\
 Data File : BF083138.D
 Acq On : 22 Nov 2015 5:01
 Operator : UM/IZ
 Sample : G4480-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LIBERTY SF_002-SPLPSVOC2

Quant Time: Nov 22 06:47:20 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

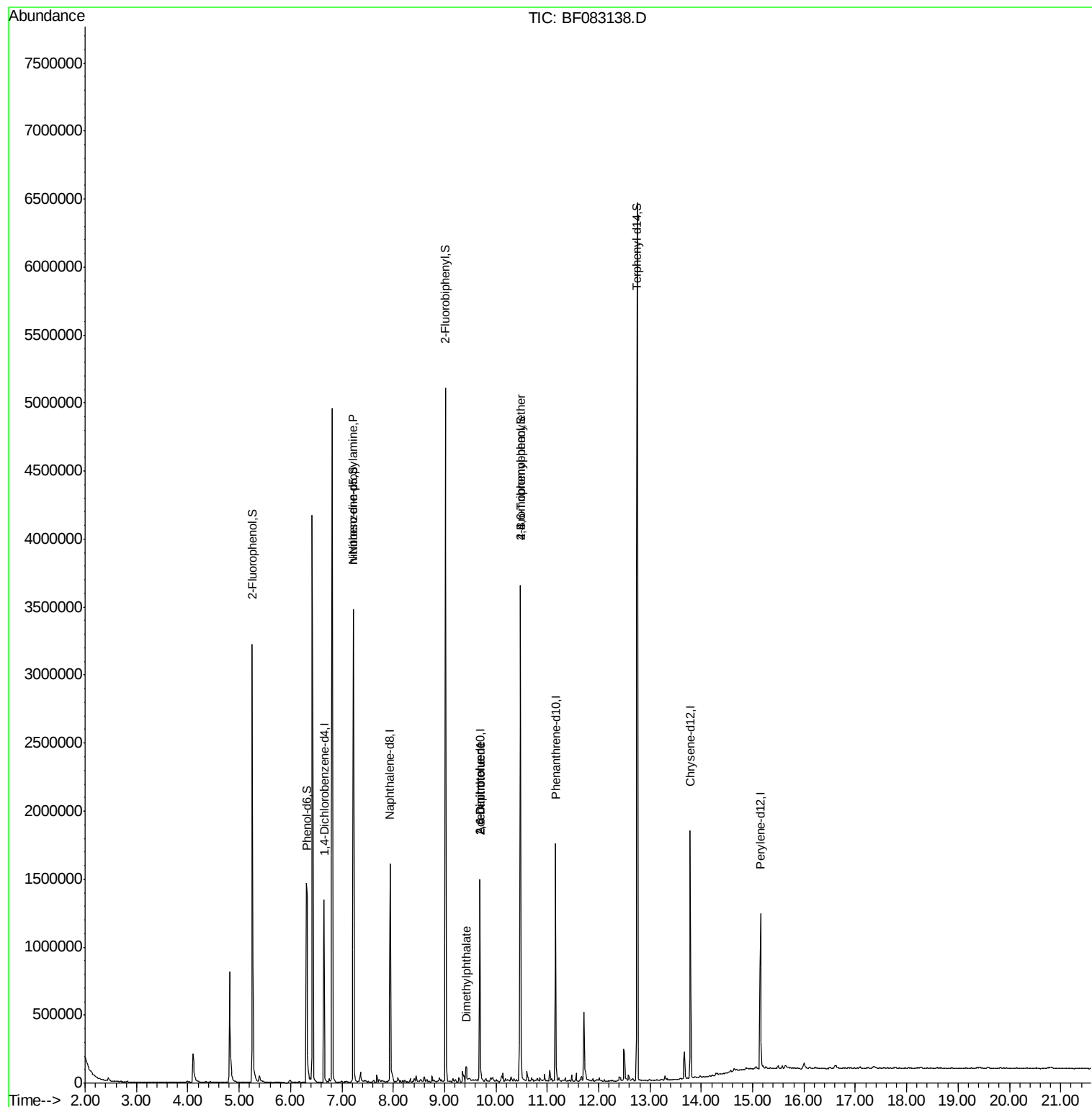
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	197798	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	752351	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	379192	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	734063	20.00	ng	-0.01
75) Chrysene-d12	13.78	240	657424	20.00	ng	-0.02
86) Perylene-d12	15.15	264	563745	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	923973	35.31	ng	-0.02
7) Phenol-d6	6.32	99	805638	23.80	ng	-0.02
23) Nitrobenzene-d5	7.22	82	1385720	42.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	542335	69.90	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	2337432	42.98	ng	-0.01
78) Terphenyl-d14	12.75	244	2361021	42.28	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.32	77	1178	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	7.22	70	189817	16.11	ng	# 75
49) Dimethylphthalate	9.43	163	68149	2.33	ng	# 98
50) 2,6-Dinitrotoluene	9.69	165	50710	7.74	ng	# 14
56) 2,4-Dinitrotoluene	9.69	165	50710	6.11	ng	# 11
66) 4-Bromophenyl-phenylether	10.48	248	39073	4.80	ng	# 1

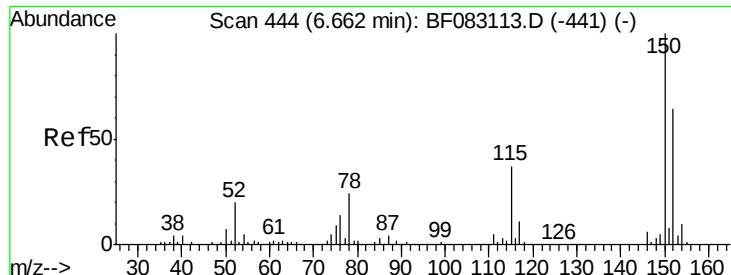
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sun Nov 22 01:05:26 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF083138.D

Acq: 22 Nov 2015 5:01

Instrument :

BNA_F

ClientSampleId :

LIBERTY SF_002-SPLPSVOC2

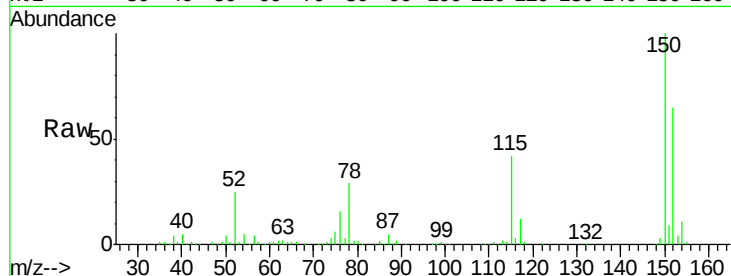
Tgt Ion:152 Resp: 197798

Ion Ratio Lower Upper

152 100

150 153.3 125.8 188.8

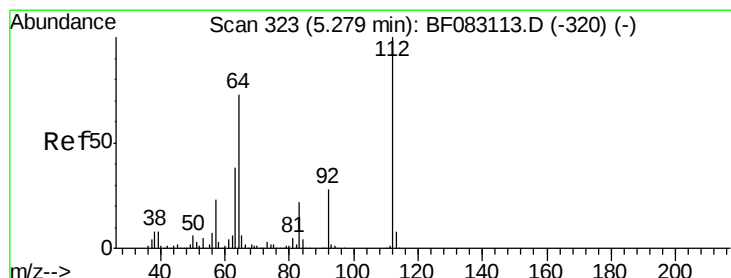
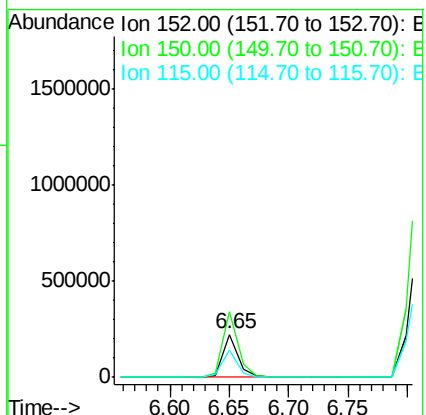
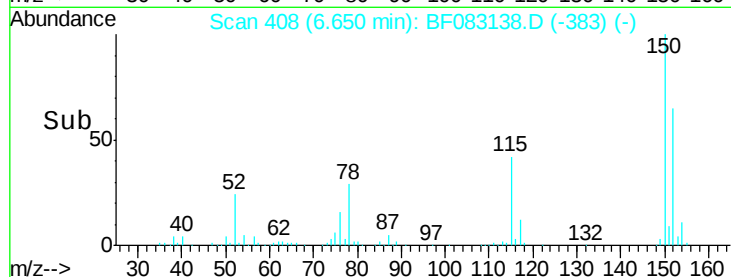
115 64.1 46.9 70.3



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: 35.31 ng

RT: 5.26 min Scan# 286

Delta R.T. -0.02 min

Lab File: BF083138.D

Acq: 22 Nov 2015 5:01

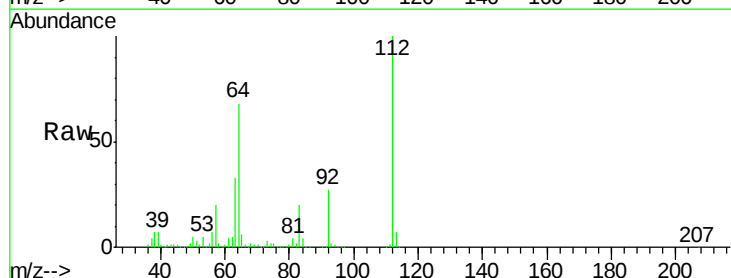
Tgt Ion:112 Resp: 923973

Ion Ratio Lower Upper

112 100

64 67.6 58.4 87.6

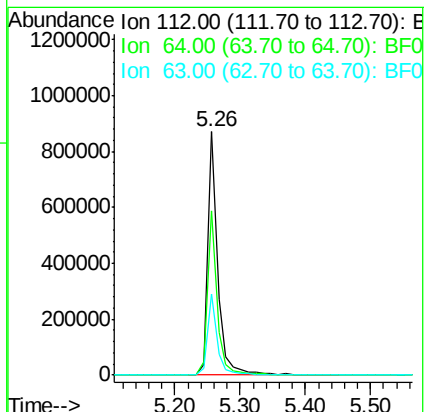
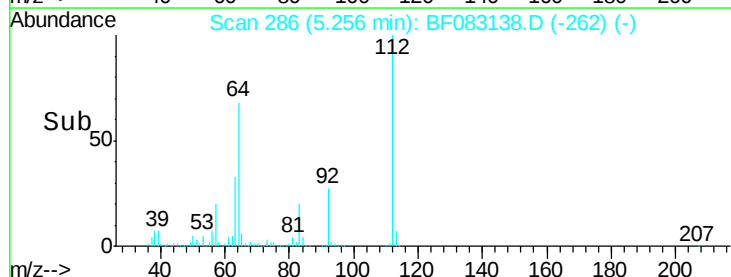
63 33.1 30.0 45.0

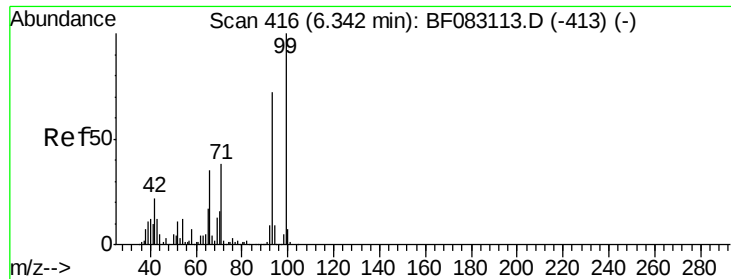


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.80 ng

RT: 6.32 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF083138.D

Acq: 22 Nov 2015 5:01

Instrument :

BNA_F

ClientSampleId :

LIBERTY SF_002-SPLPSVOC2

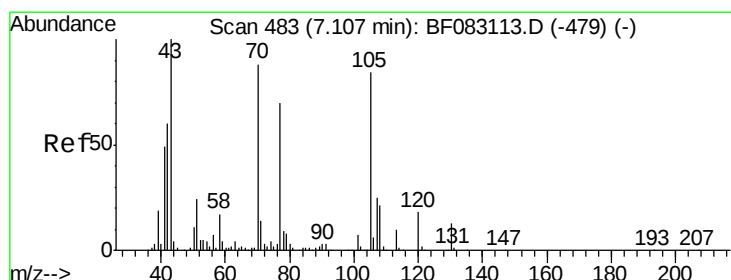
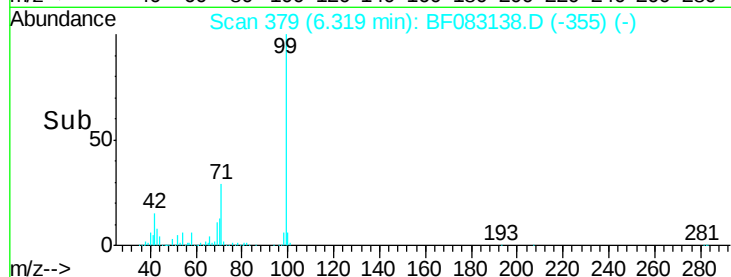
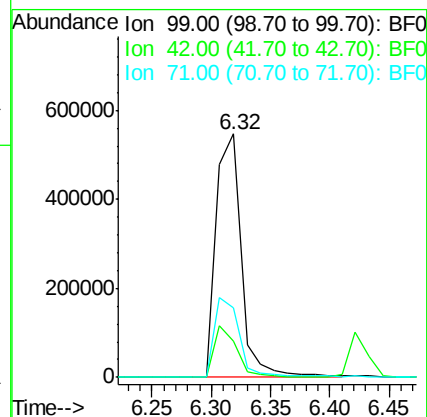
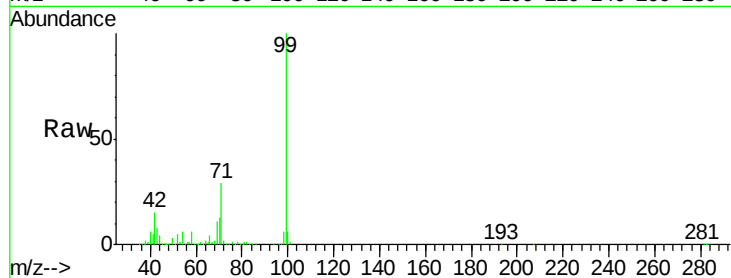
Tgt Ion: 99 Resp: 805638

Ion Ratio Lower Upper

99 100

42 14.8 17.7 26.5#

71 28.8 30.2 45.4#



#19

n-Nitroso-di-n-propylamine

Concen: 16.11 ng

RT: 7.22 min Scan# 458

Delta R.T. 0.11 min

Lab File: BF083138.D

Acq: 22 Nov 2015 5:01

Tgt Ion: 70 Resp: 189817

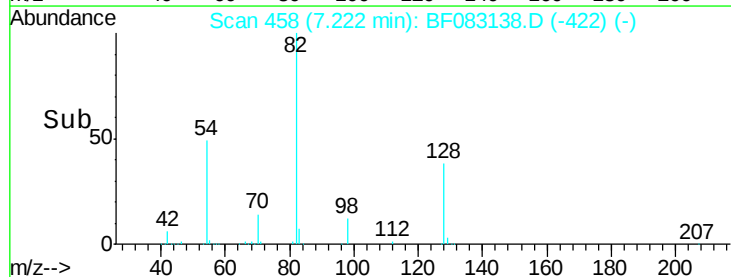
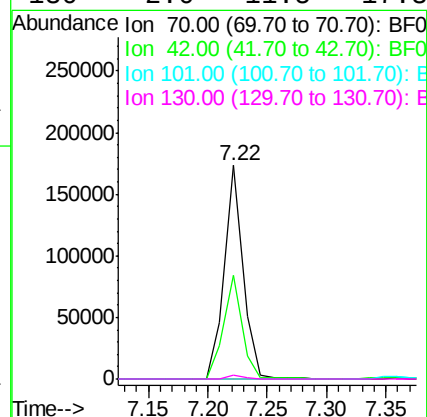
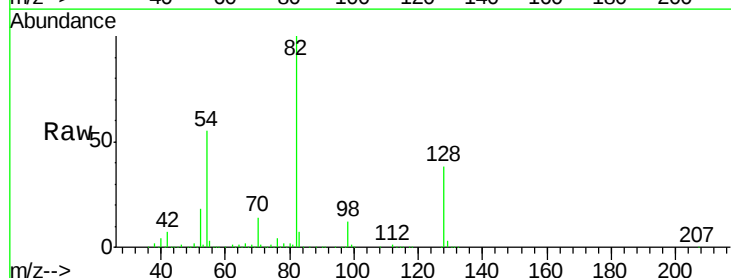
Ion Ratio Lower Upper

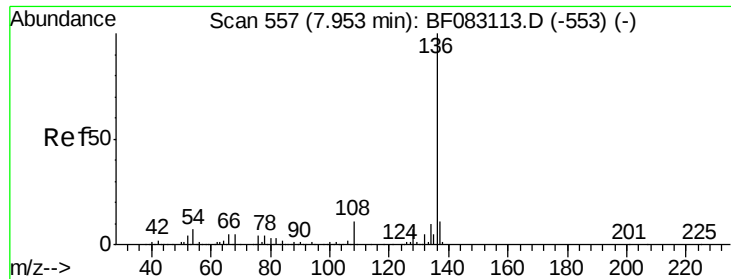
70 100

42 48.6 54.5 81.7#

101 0.0 6.6 9.8#

130 2.0 11.5 17.3#

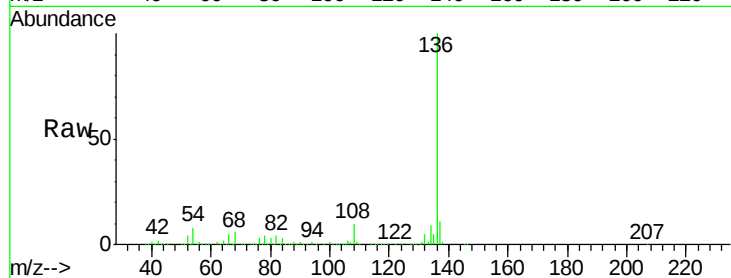




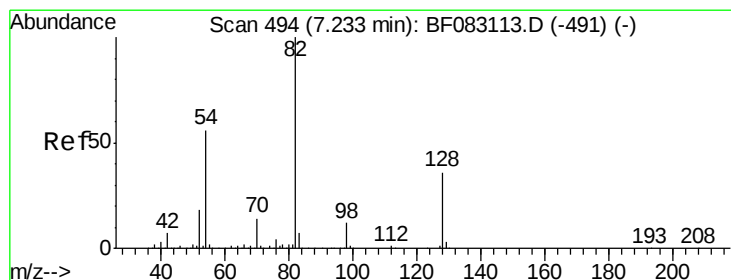
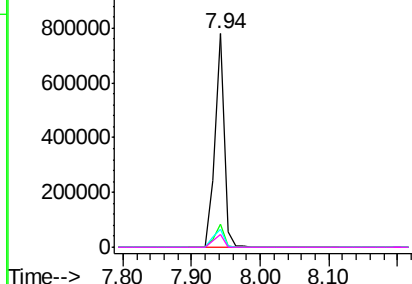
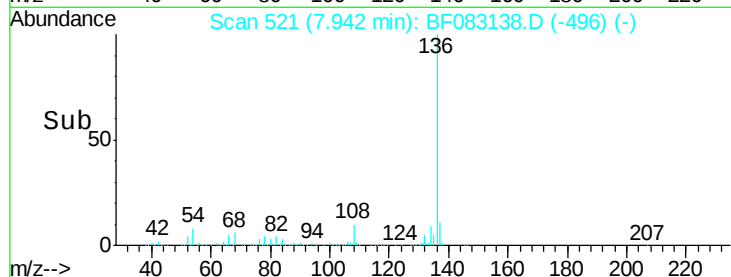
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 521
Delta R.T. -0.01 min
Lab File: BF083138.D
Acq: 22 Nov 2015 5:01

Instrument :
BNA_F
ClientSampleId :
LIBERTY SF_002-SPLPSVOC2

Tgt Ion:	136	Resp:	752351
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	8.2	5.8	8.6
68	6.0	3.8	5.8#

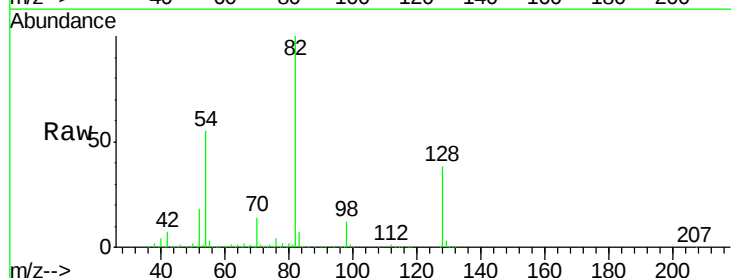


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

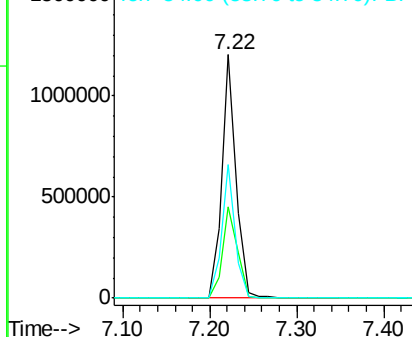
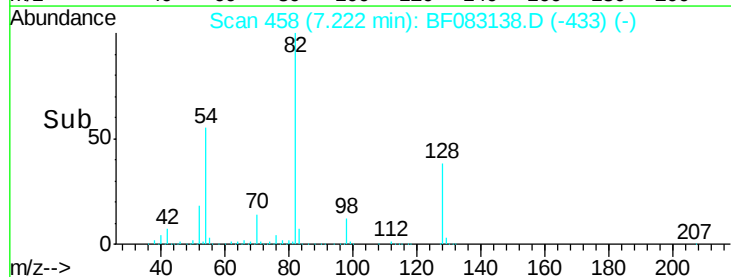


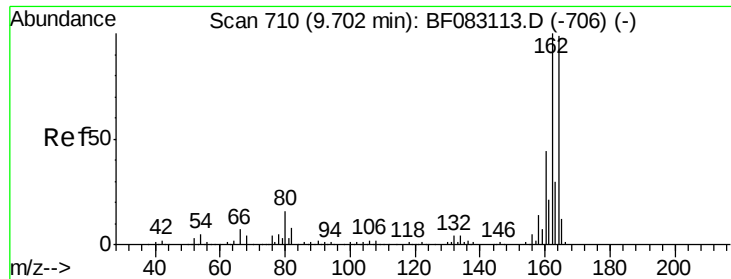
#23
Nitrobenzene-d5
Concen: 42.08 ng
RT: 7.22 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF083138.D
Acq: 22 Nov 2015 5:01

Tgt Ion:	82	Resp:	1385720
Ion	Ratio	Lower	Upper
82	100		
128	37.6	28.5	42.7
54	55.0	44.6	67.0



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

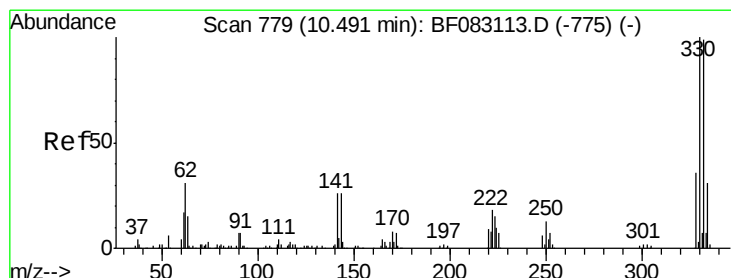
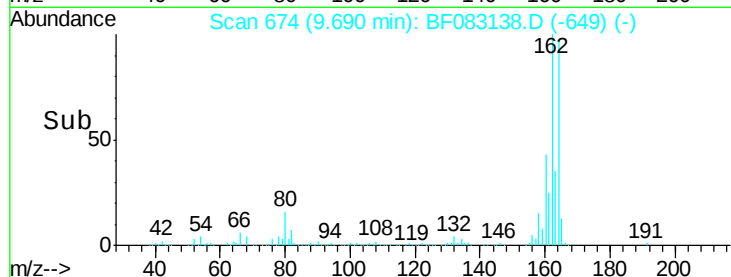
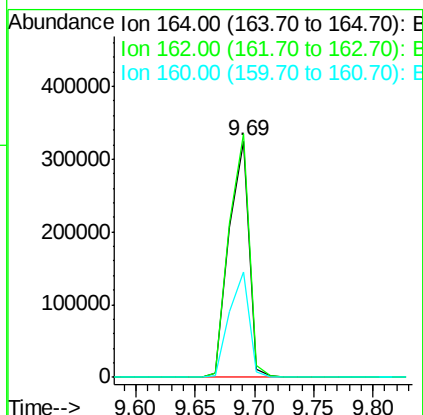
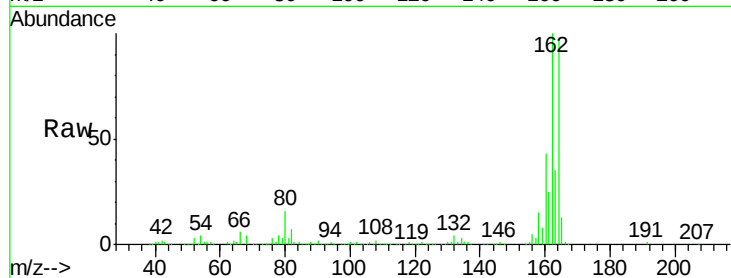




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.69 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF083138.D
 Acq: 22 Nov 2015 5:01

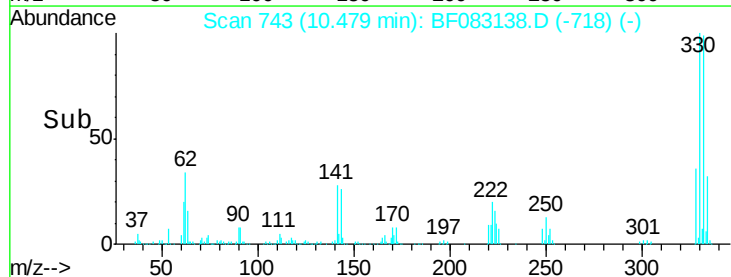
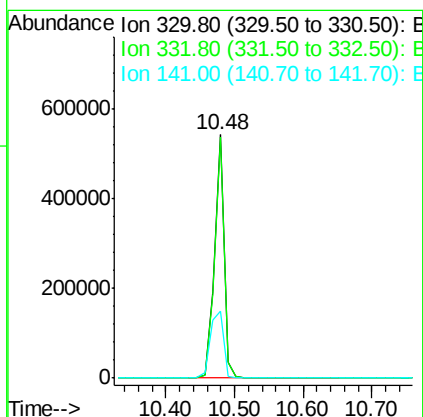
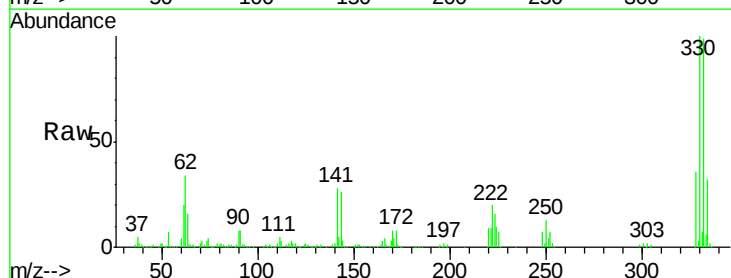
Instrument :
 BNA_F
 ClientSampleId :
 LIBERTY_SF_002-SPLPSVOC2

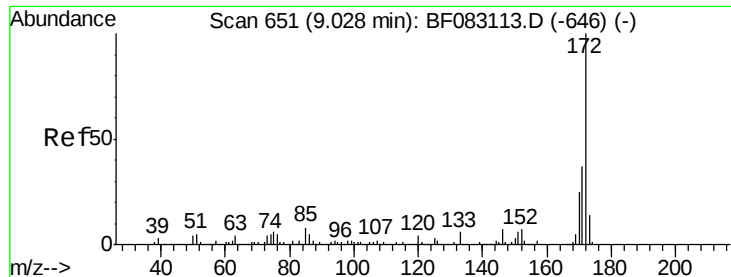
Tgt Ion:164 Resp: 379192
 Ion Ratio Lower Upper
 164 100
 162 102.9 81.2 121.8
 160 44.6 35.6 53.4



#41
 2,4,6-Tribromophenol
 Concen: 69.90 ng
 RT: 10.48 min Scan# 743
 Delta R.T. -0.01 min
 Lab File: BF083138.D
 Acq: 22 Nov 2015 5:01

Tgt Ion:330 Resp: 542335
 Ion Ratio Lower Upper
 330 100
 332 98.8 77.7 116.5
 141 38.6 29.7 44.5





#44

2-Fluorobiphenyl

Concen: 42.98 ng

RT: 9.02 min Scan# 615

Delta R.T. -0.01 min

Lab File: BF083138.D

Acq: 22 Nov 2015 5:01

Instrument :

BNA_F

ClientSampleId :

LIBERTY SF_002-SPLPSVOC2

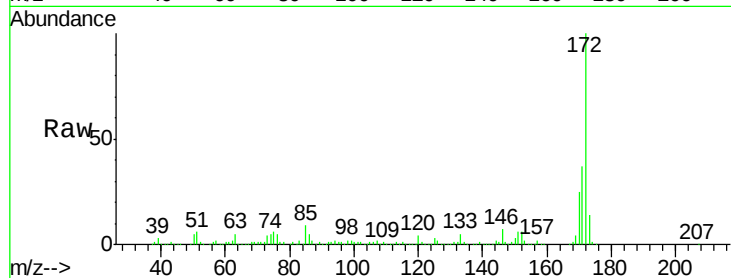
Tgt Ion:172 Resp: 2337432

Ion Ratio Lower Upper

172 100

171 36.8 29.5 44.3

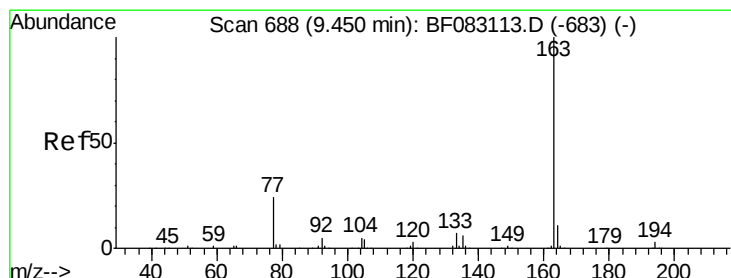
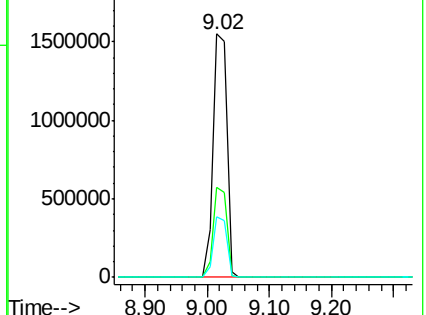
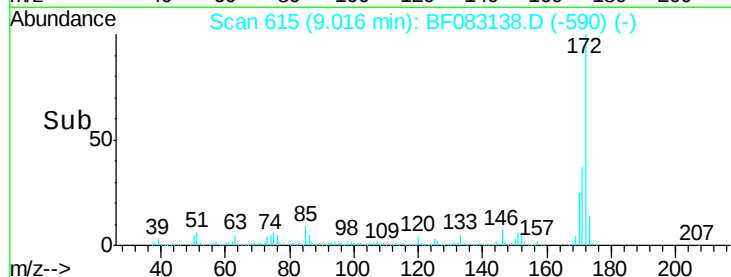
170 24.9 19.9 29.9



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: 2.33 ng

RT: 9.43 min Scan# 651

Delta R.T. -0.02 min

Lab File: BF083138.D

Acq: 22 Nov 2015 5:01

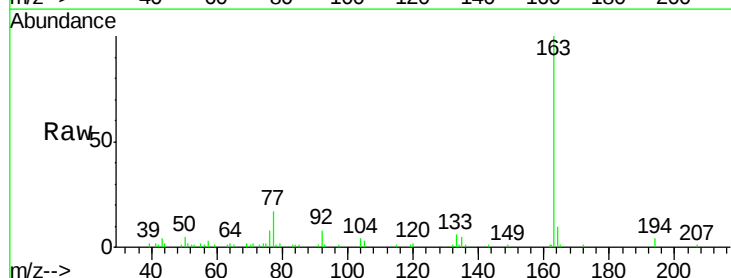
Tgt Ion:163 Resp: 68149

Ion Ratio Lower Upper

163 100

194 4.1 2.6 4.0#

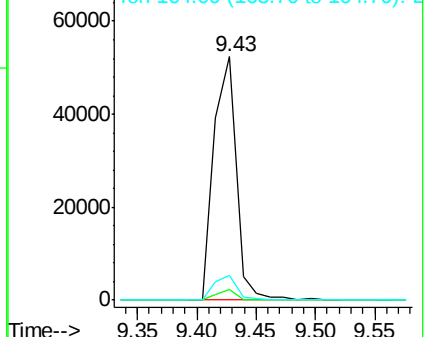
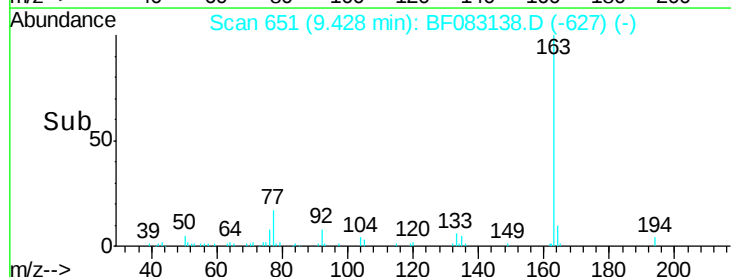
164 10.1 8.6 12.8

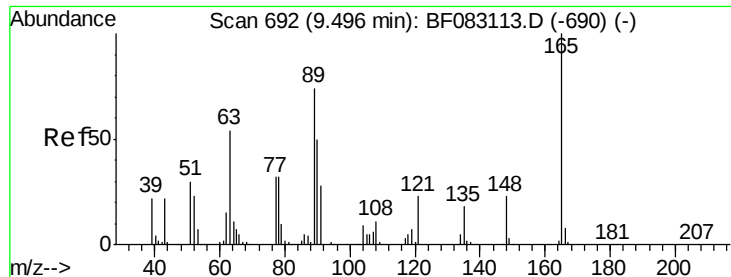


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

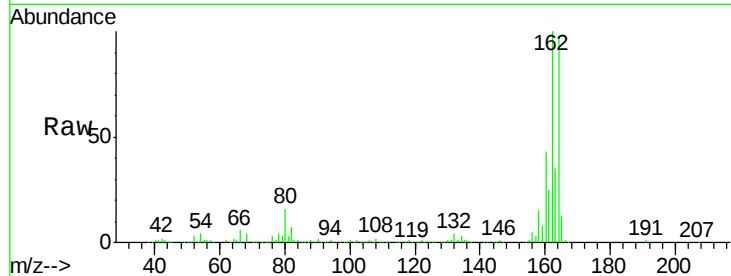




#50
 2,6-Dinitrotoluene
 Concen: 7.74 ng
 RT: 9.69 min Scan# 674
 Delta R.T. 0.19 min
 Lab File: BF083138.D
 Acq: 22 Nov 2015 5:01

Instrument :
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 ClientSampleId :
 LIBERTY SF_002-SPLPSVOC2

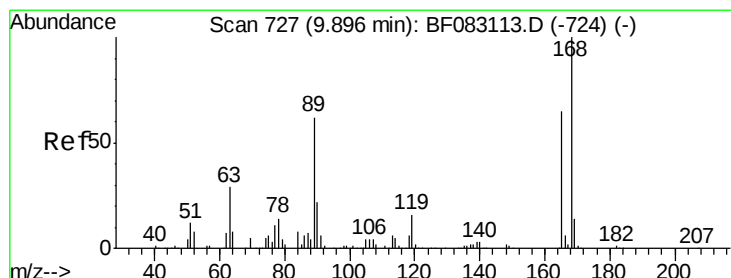
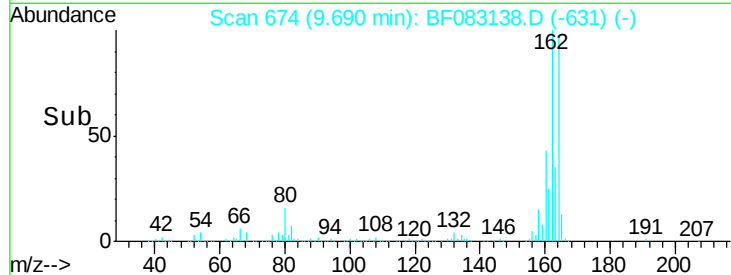
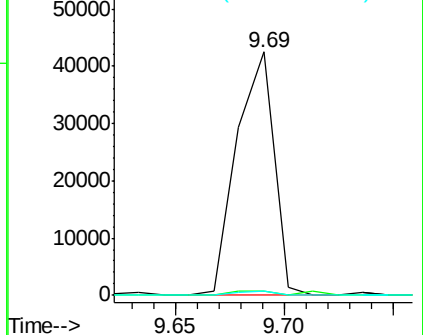
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	62.5	93.7#
89	2.0	59.1	88.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.11 ng
 RT: 9.69 min Scan# 674
 Delta R.T. -0.21 min
 Lab File: BF083138.D
 Acq: 22 Nov 2015 5:01

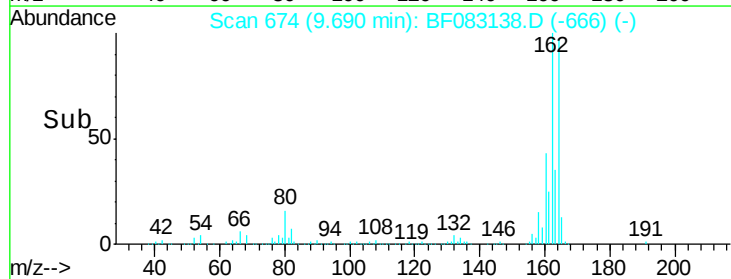
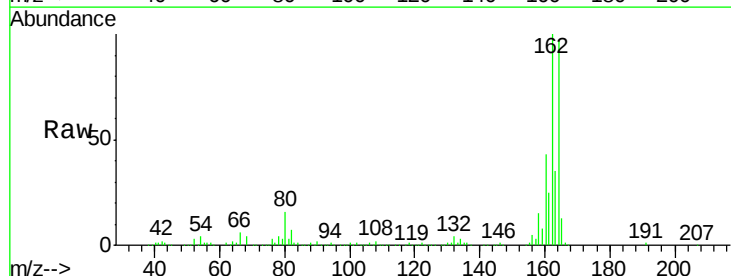
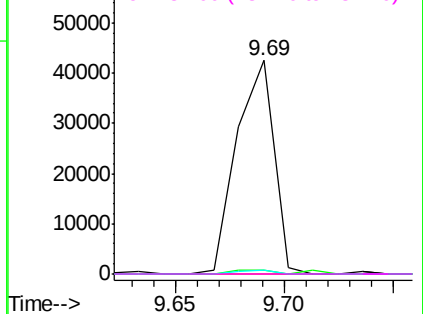
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	54.5	81.7#
89	2.0	77.3	115.9#
182	0.0	1.8	2.6#

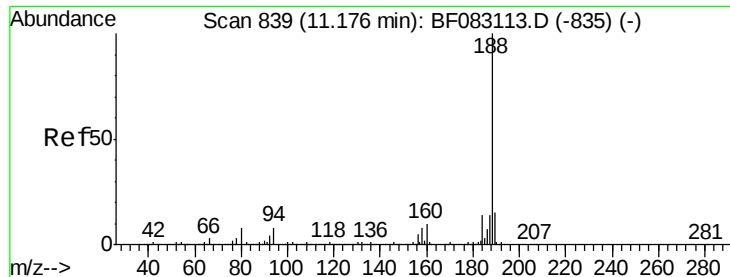
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

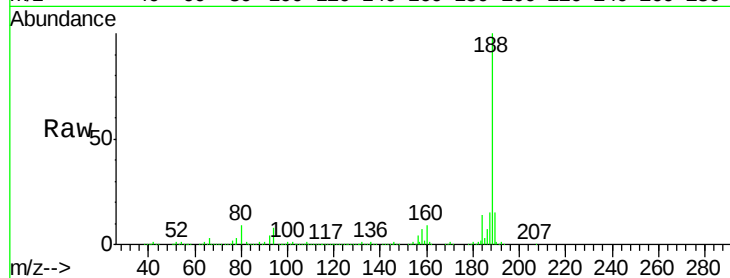




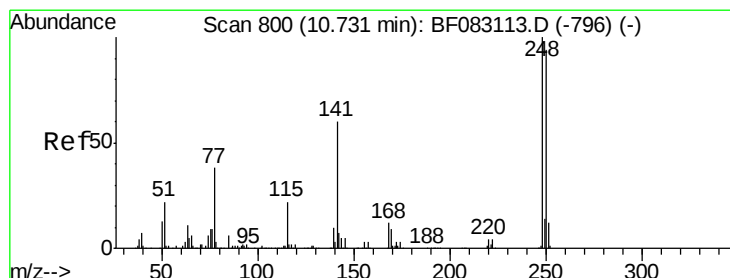
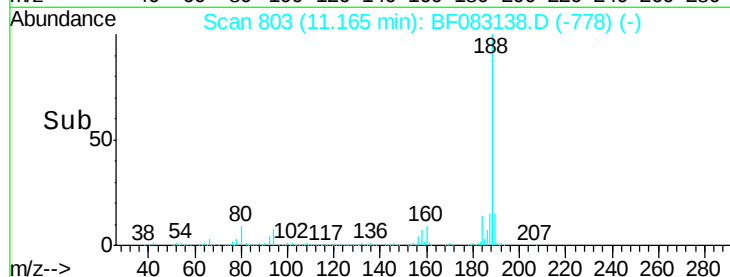
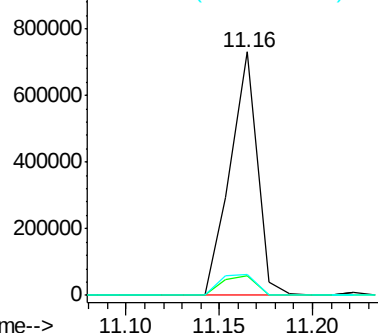
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF083138.D
Acq: 22 Nov 2015 5:01

Instrument :
BNA_F
ClientSampleId :
LIBERTY_SF_002-SPLPSVOC2

Tgt Ion:188 Resp: 734063
Ion Ratio Lower Upper
188 100
94 8.0 6.0 9.0
80 8.5 6.7 10.1

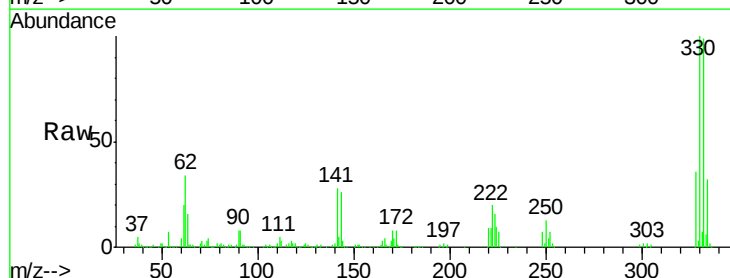


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

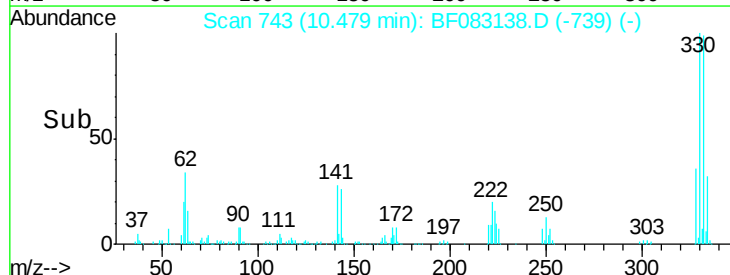
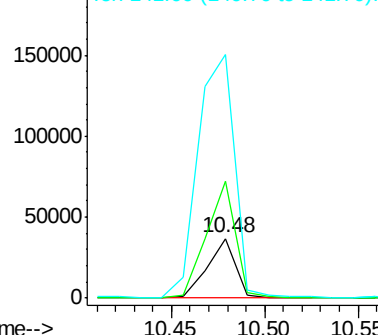


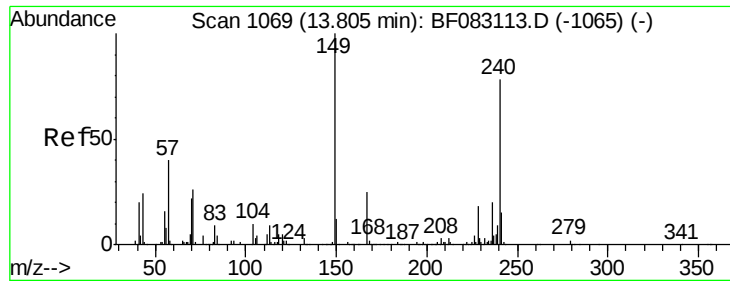
#66
4-Bromophenyl-phenylether
Concen: 4.80 ng
RT: 10.48 min Scan# 743
Delta R.T. -0.25 min
Lab File: BF083138.D
Acq: 22 Nov 2015 5:01

Tgt Ion:248 Resp: 39073
Ion Ratio Lower Upper
248 100
250 196.3 75.4 113.2#
141 407.5 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.78 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF083138.D

Acq: 22 Nov 2015 5:01

Instrument :

BNA_F

ClientSampleId :

LIBERTY SF_002-SPLPSVOC2

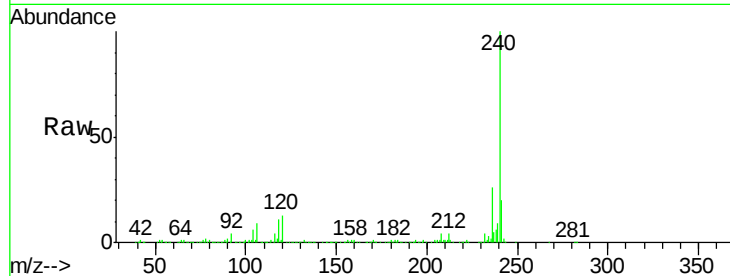
Tgt Ion:240 Resp: 657424

Ion Ratio Lower Upper

240 100

120 12.7 5.4 8.2#

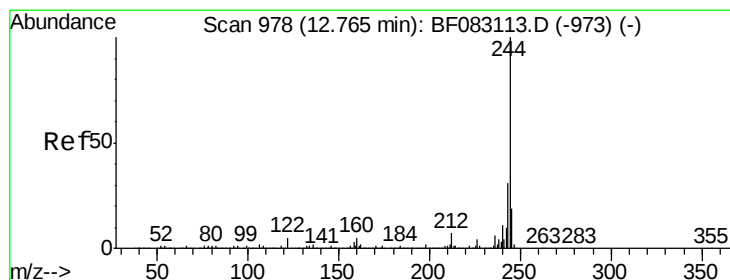
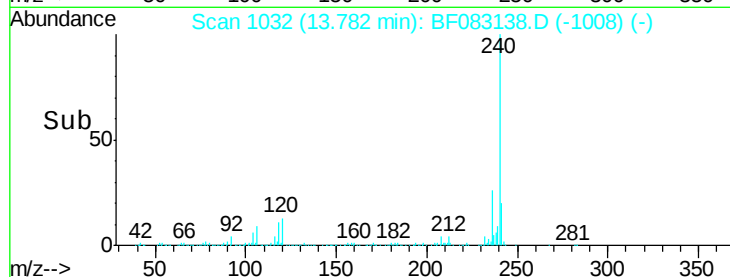
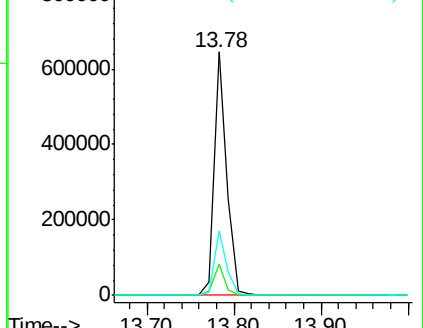
236 26.4 20.6 31.0



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: 42.28 ng

RT: 12.75 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF083138.D

Acq: 22 Nov 2015 5:01

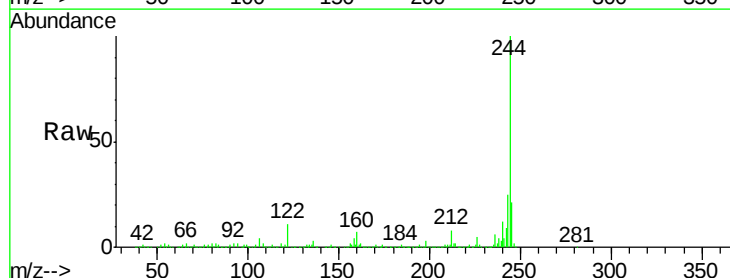
Tgt Ion:244 Resp: 2361021

Ion Ratio Lower Upper

244 100

212 7.8 5.4 8.2

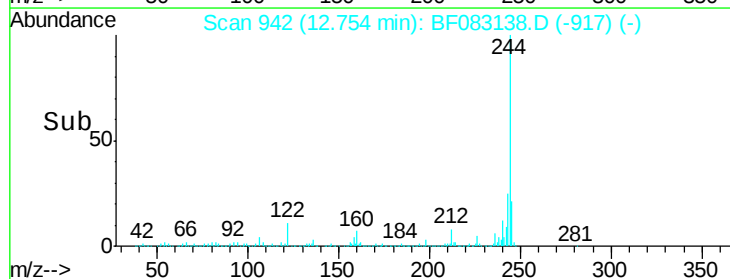
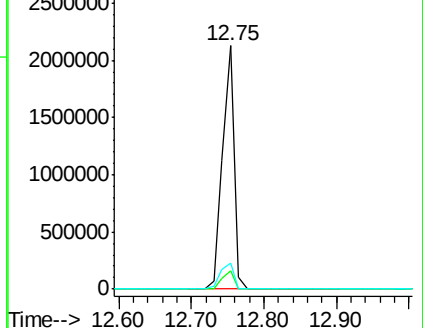
122 10.5 4.3 6.5#

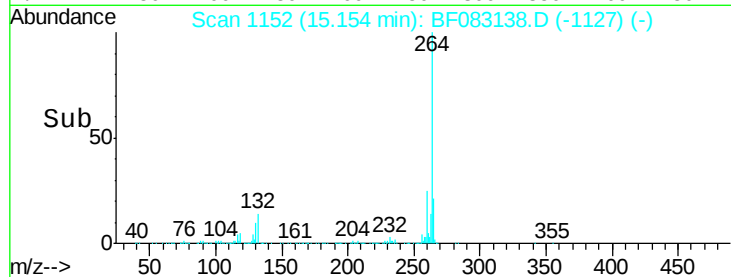
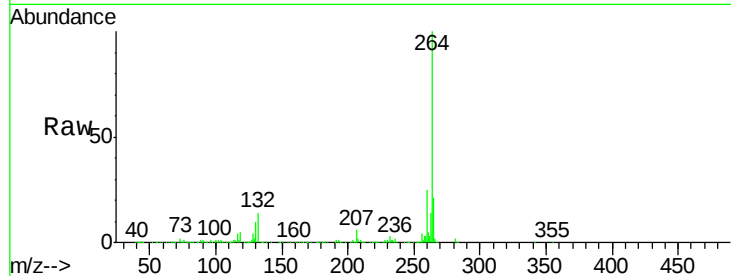
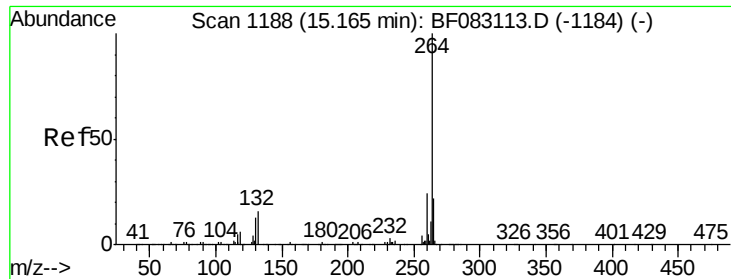


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF083138.D

Acq: 22 Nov 2015 5:01

Instrument :

BNA_F

ClientSampleId :

LIBERTY SF_002-SPLPSVOC2

Tgt Ion: 264 Resp: 563745

Ion Ratio Lower Upper

264 100

260 25.0 19.1 28.7

265 21.1 18.2 27.4

