

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112115\
 Data File : BF083139.D
 Acq On : 22 Nov 2015 5:31
 Operator : UM/IZ
 Sample : G4480-07
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LIBERTY SF_002-SPLPSVOC3

Quant Time: Nov 22 06:47:35 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

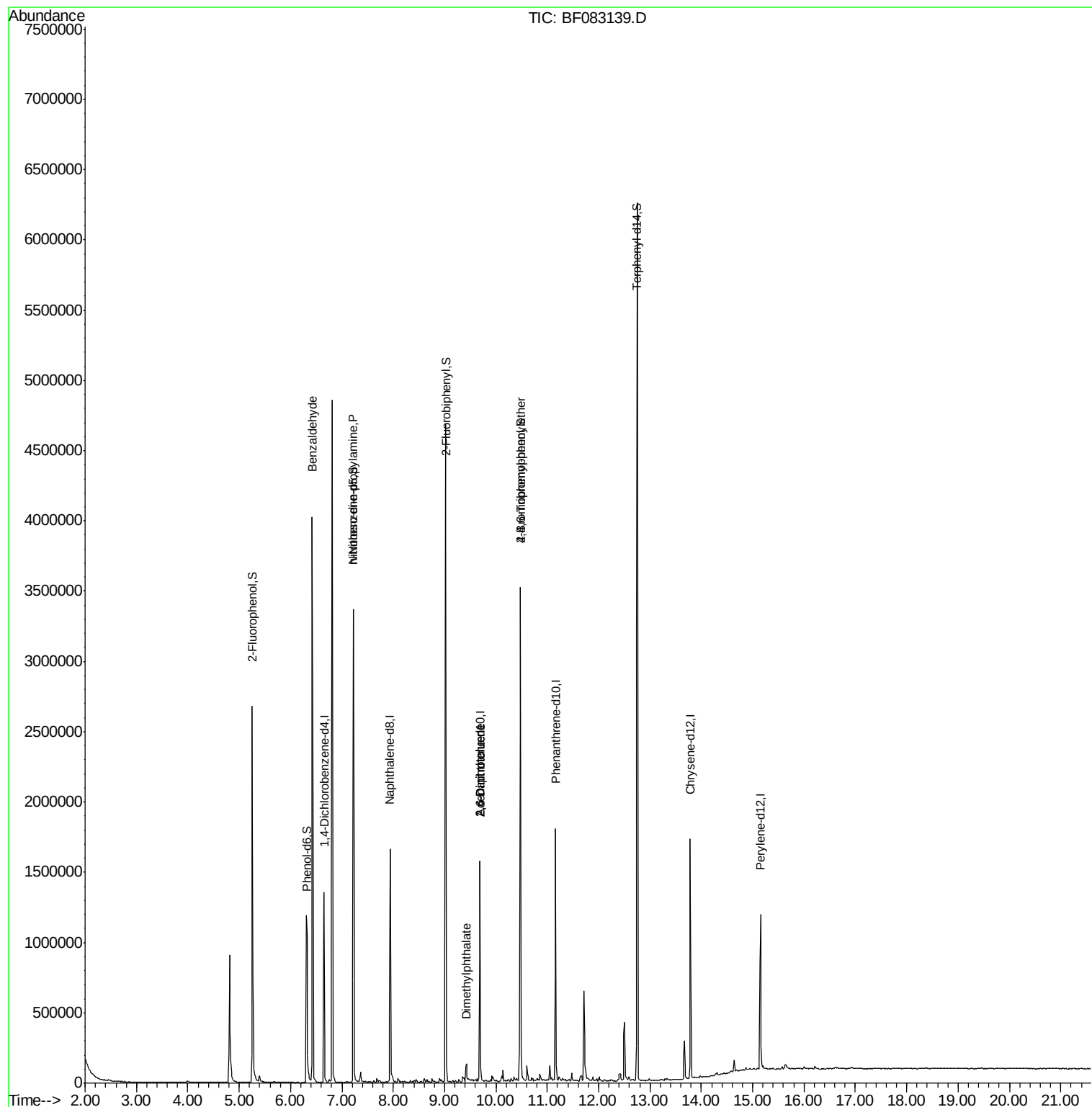
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	197284	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	751379	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	375556	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	726571	20.00	ng	-0.01
75) Chrysene-d12	13.78	240	643013	20.00	ng	-0.02
86) Perylene-d12	15.15	264	547762	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	784948	30.08	ng	-0.02
7) Phenol-d6	6.32	99	644555	19.09	ng	-0.02
23) Nitrobenzene-d5	7.22	82	1319421	40.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	508164	66.13	ng	-0.01
44) 2-Fluorobiphenyl	9.03	172	2225468	41.32	ng	0.00
78) Terphenyl-d14	12.75	244	2165925	39.66	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.42	77	31949	2.01	ng	# 69
19) n-Nitroso-di-n-propylamine	7.22	70	181261	15.43	ng	# 76
49) Dimethylphthalate	9.43	163	79176	2.74	ng	96
50) 2,6-Dinitrotoluene	9.69	165	48059	7.41	ng	# 13
56) 2,4-Dinitrotoluene	9.69	165	48061	5.85	ng	# 10
66) 4-Bromophenyl-phenylether	10.48	248	35099	4.35	ng	# 1

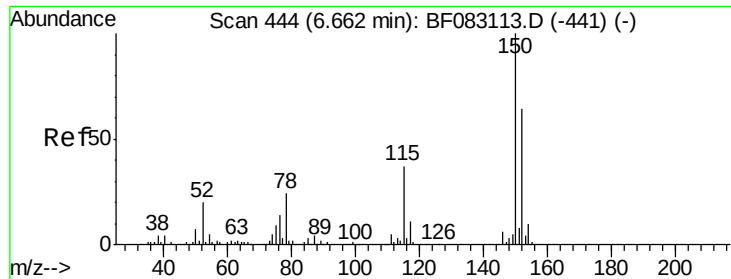
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF083139.D

Acq: 22 Nov 2015 5:31

Instrument :

BNA_F

ClientSampleId :

LIBERTY SF_002-SPLPSVOC3

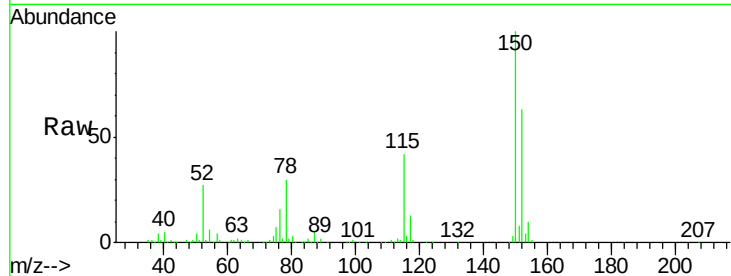
Tgt Ion:152 Resp: 197284

Ion Ratio Lower Upper

152 100

150 159.3 125.8 188.8

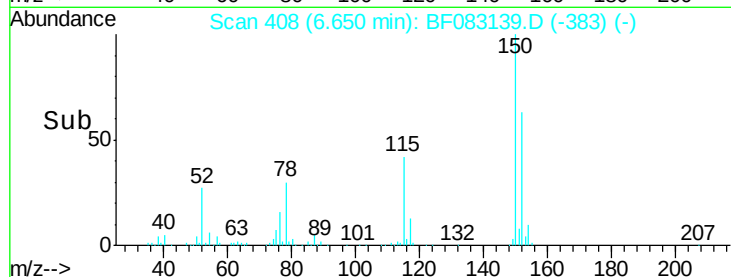
115 66.1 46.9 70.3



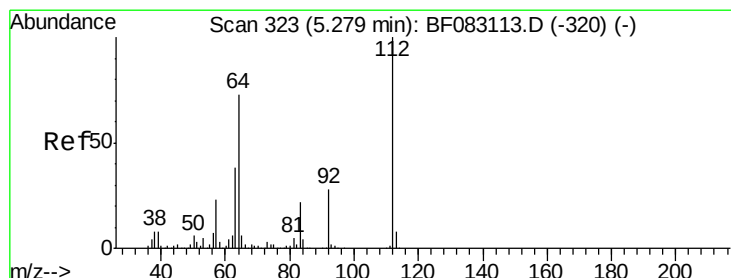
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#5

2-Fluorophenol

Concen: 30.08 ng

RT: 5.26 min Scan# 286

Delta R.T. -0.02 min

Lab File: BF083139.D

Acq: 22 Nov 2015 5:31

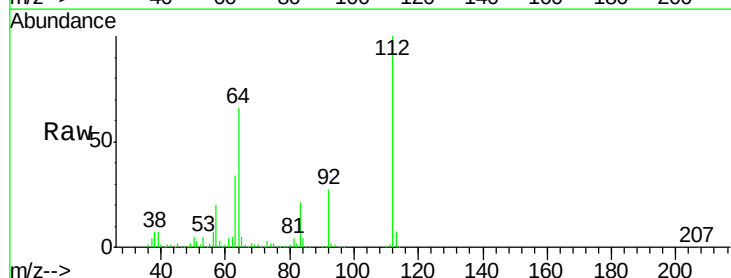
Tgt Ion:112 Resp: 784948

Ion Ratio Lower Upper

112 100

64 66.0 58.4 87.6

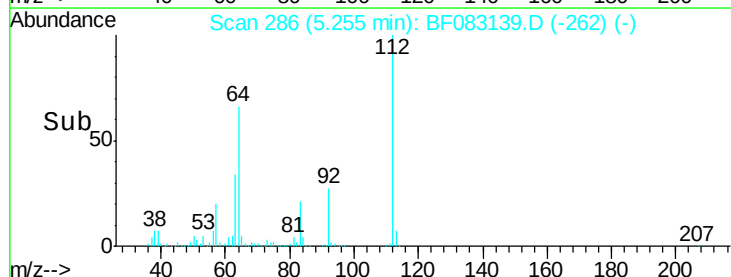
63 33.5 30.0 45.0



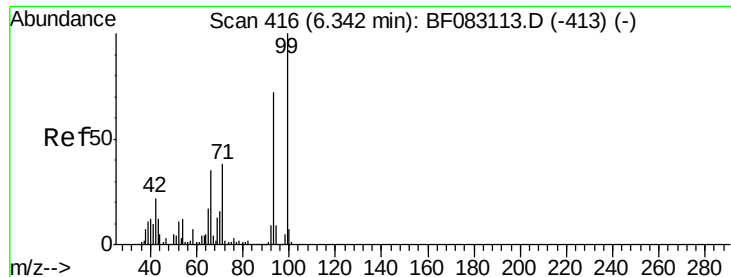
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time-->



#7

Phenol-d6

Concen: 19.09 ng

RT: 6.32 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF083139.D

Acq: 22 Nov 2015 5:31

Instrument :

BNA_F

ClientSampleId :

LIBERTY SF_002-SPLPSVOC3

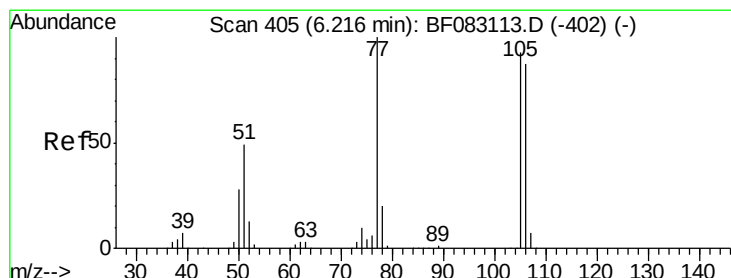
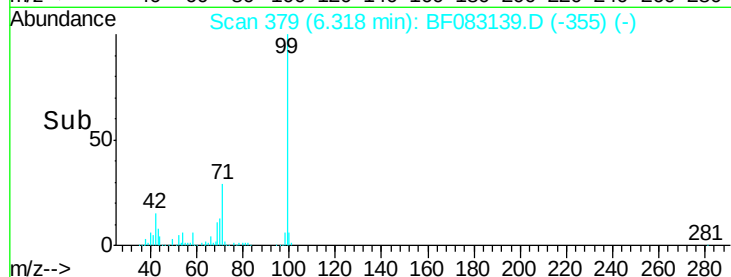
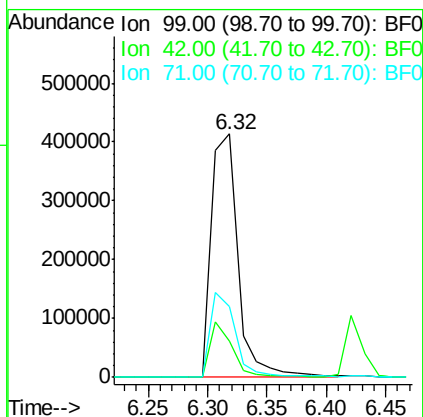
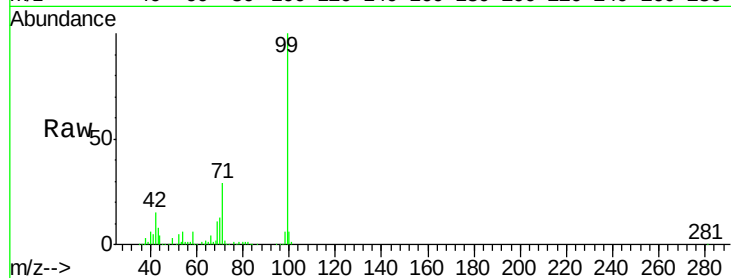
Tgt Ion: 99 Resp: 644555

Ion Ratio Lower Upper

99 100

42 15.0 17.7 26.5#

71 29.0 30.2 45.4#



#9

Benzaldehyde

Concen: 2.01 ng

RT: 6.42 min Scan# 388

Delta R.T. 0.21 min

Lab File: BF083139.D

Acq: 22 Nov 2015 5:31

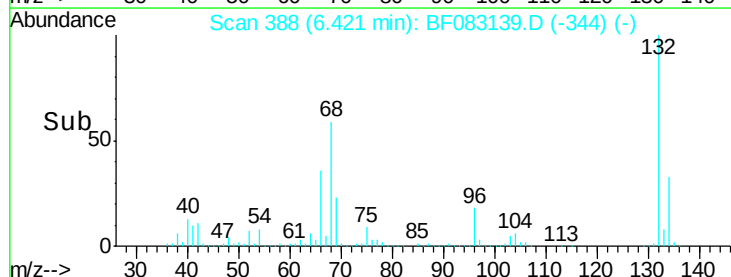
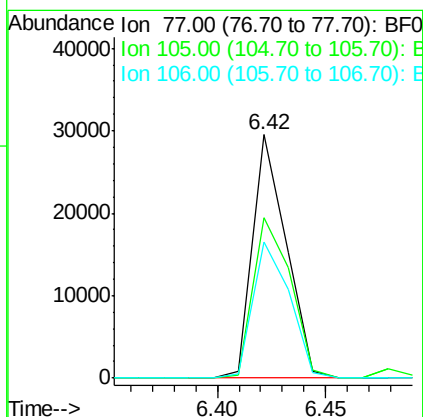
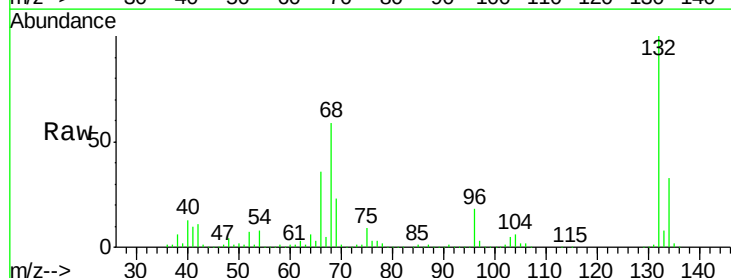
Tgt Ion: 77 Resp: 31949

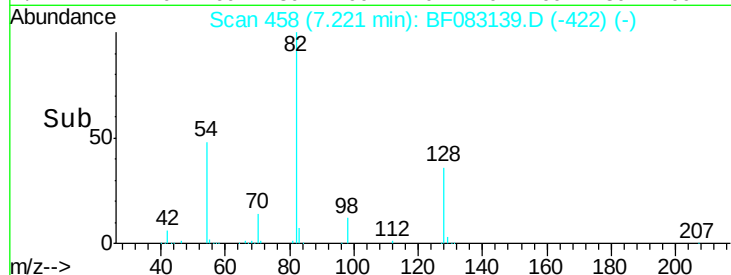
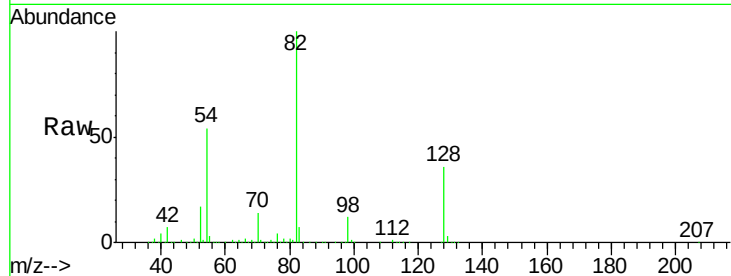
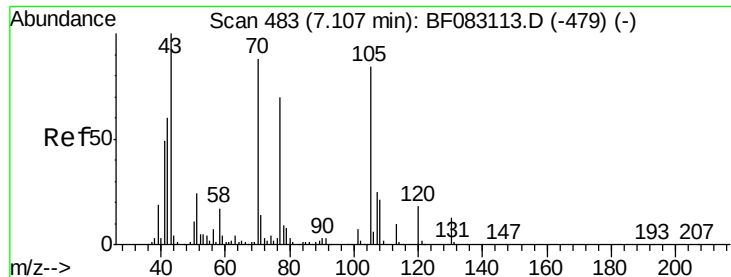
Ion Ratio Lower Upper

77 100

105 65.8 73.4 113.4#

106 55.9 67.5 107.5#

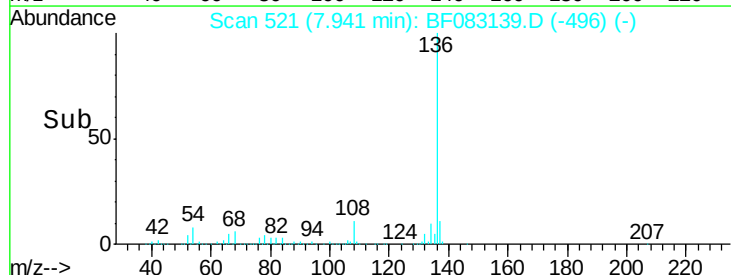
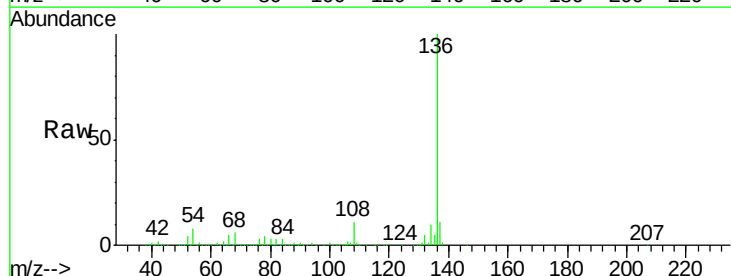
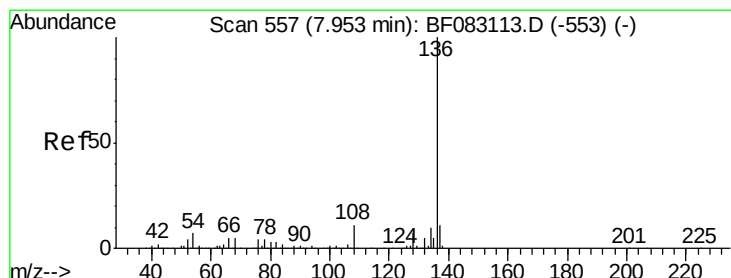
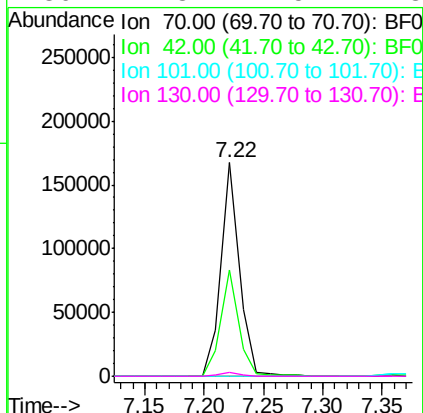




#19
n-Nitroso-di-n-propylamine
Concen: 15.43 ng
RT: 7.22 min Scan# 458
Delta R.T. 0.11 min
Lab File: BF083139.D
Acq: 22 Nov 2015 5:31

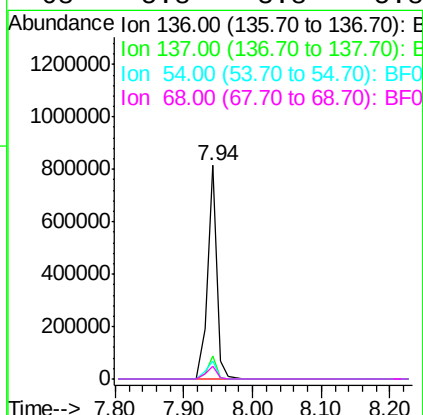
Instrument :
BNA_F
ClientSampleId :
LIBERTY SF_002-SPLPSVOC3

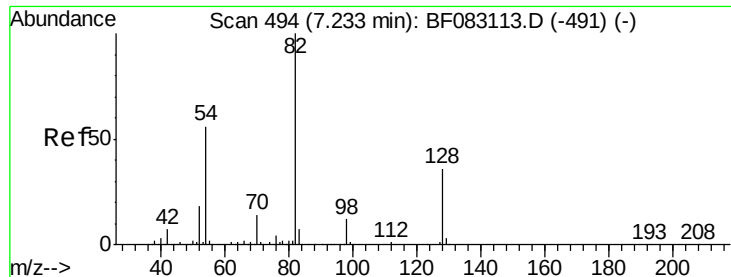
Tgt Ion: 70 Resp: 181261
Ion Ratio Lower Upper
70 100
42 49.6 54.5 81.7#
101 0.0 6.6 9.8#
130 1.8 11.5 17.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 521
Delta R.T. -0.01 min
Lab File: BF083139.D
Acq: 22 Nov 2015 5:31

Tgt Ion: 136 Resp: 751379
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 8.1 5.8 8.6
68 5.8 3.8 5.8#

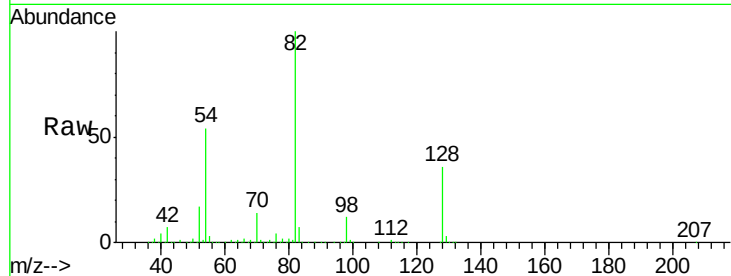




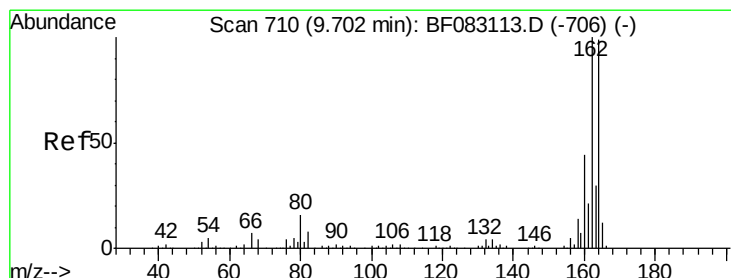
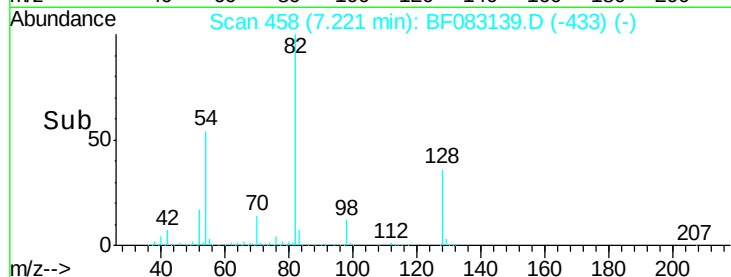
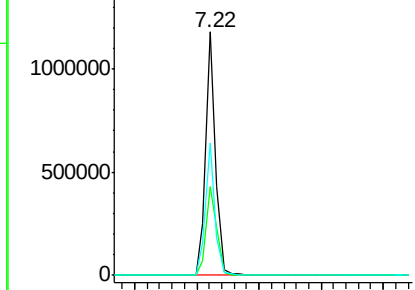
#23
 Nitrobenzene-d5
 Concen: 40.12 ng
 RT: 7.22 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: BF083139.D
 Acq: 22 Nov 2015 5:31

Instrument :
 BNA_F
 ClientSampleId :
 LIBERTY SF_002-SPLPSVOC3

Tgt Ion: 82 Resp: 1319421
 Ion Ratio Lower Upper
 82 100
 128 36.4 28.5 42.7
 54 54.3 44.6 67.0

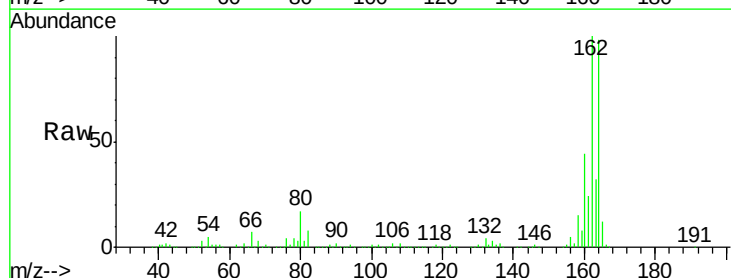


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

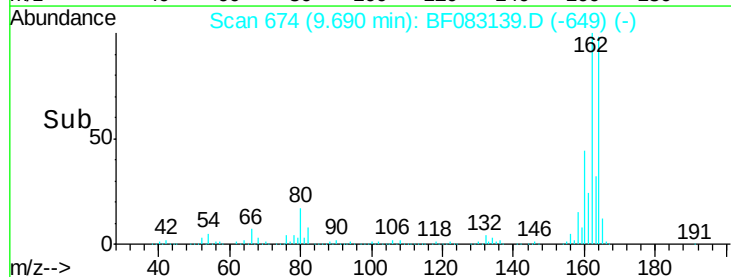
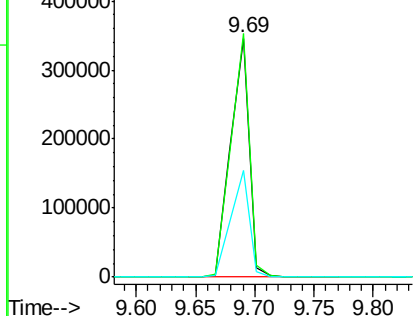


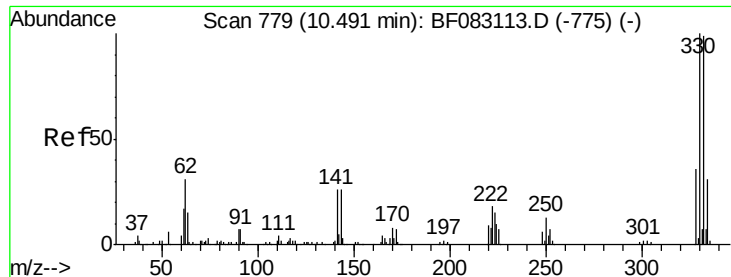
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.69 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF083139.D
 Acq: 22 Nov 2015 5:31

Tgt Ion: 164 Resp: 375556
 Ion Ratio Lower Upper
 164 100
 162 102.1 81.2 121.8
 160 44.9 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

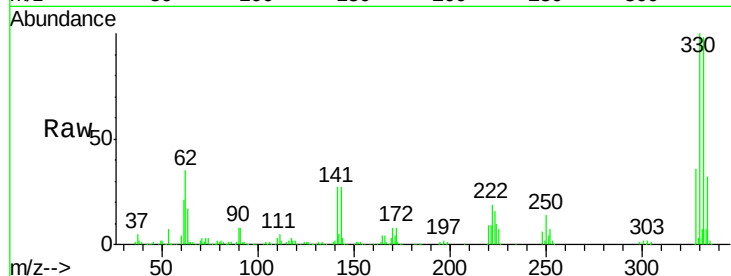




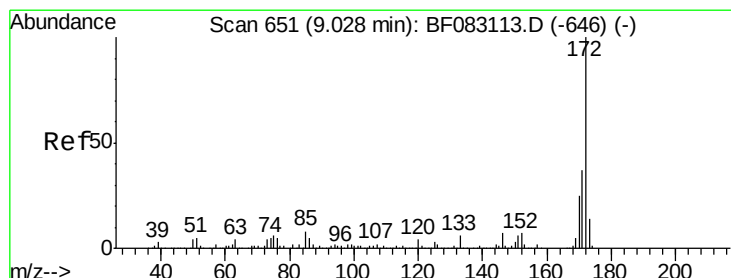
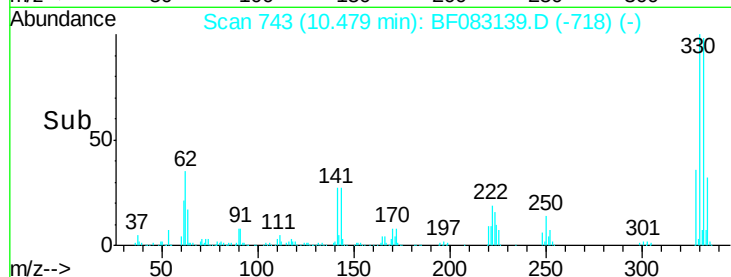
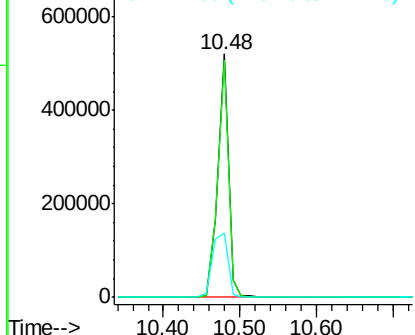
#41
 2,4,6-Tribromophenol
 Concen: 66.13 ng
 RT: 10.48 min Scan# 743
 Delta R.T. -0.01 min
 Lab File: BF083139.D
 Acq: 22 Nov 2015 5:31

Instrument :
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 ClientSampleId :
 LIBERTY SF_002-SPLPSVOC3

Tgt Ion:330 Resp: 508164
 Ion Ratio Lower Upper
 330 100
 332 98.2 77.7 116.5
 141 38.0 29.7 44.5

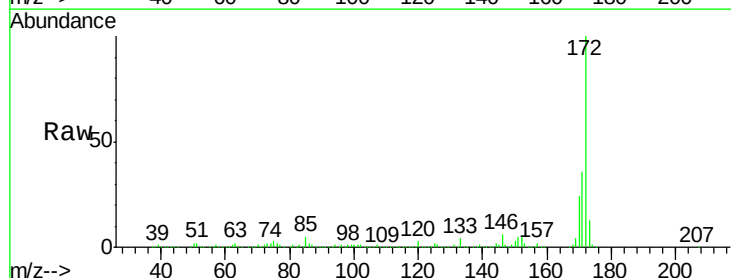


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

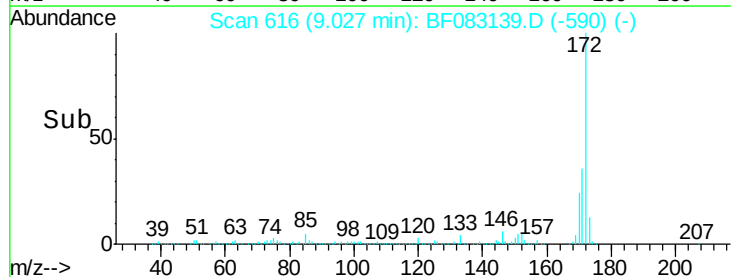
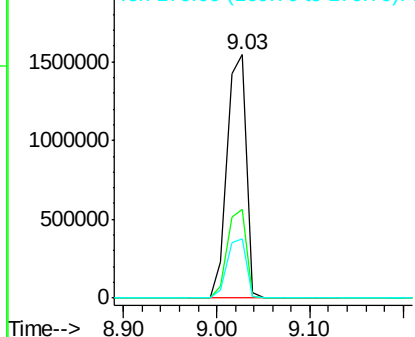


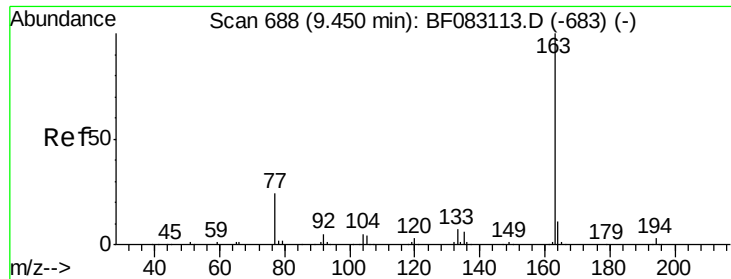
#44
 2-Fluorobiphenyl
 Concen: 41.32 ng
 RT: 9.03 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: BF083139.D
 Acq: 22 Nov 2015 5:31

Tgt Ion:172 Resp: 2225468
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.5 44.3
 170 24.3 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

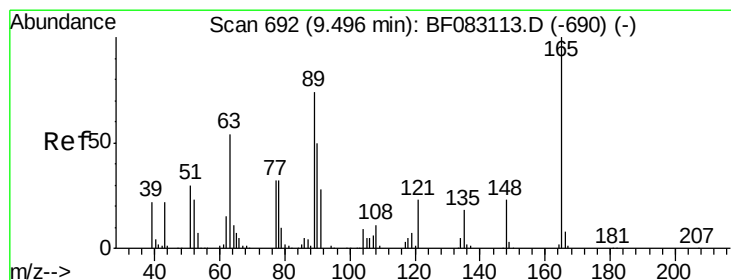
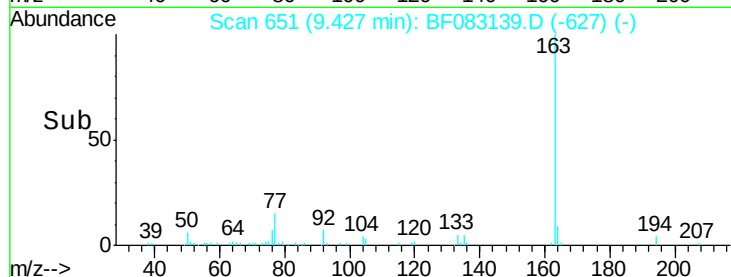
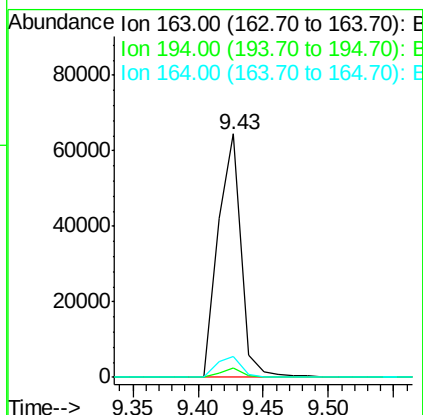
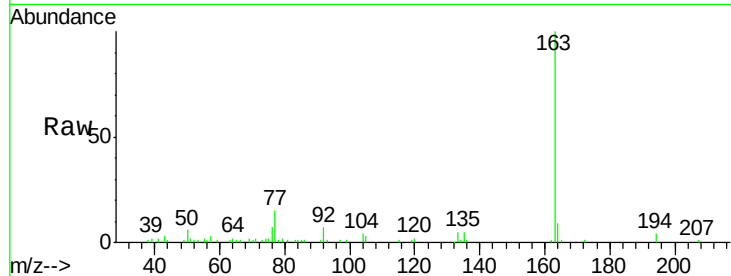




#49
Dimethylphthalate
Concen: 2.74 ng
RT: 9.43 min Scan# 651
Delta R.T. -0.02 min
Lab File: BF083139.D
Acq: 22 Nov 2015 5:31

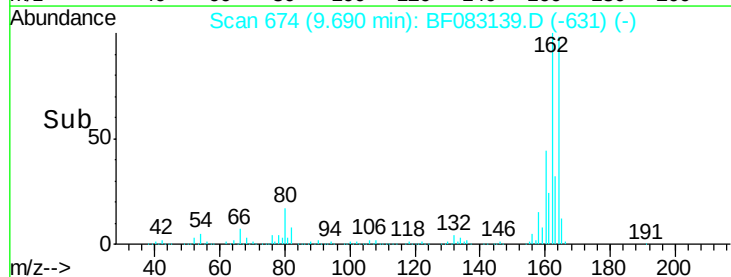
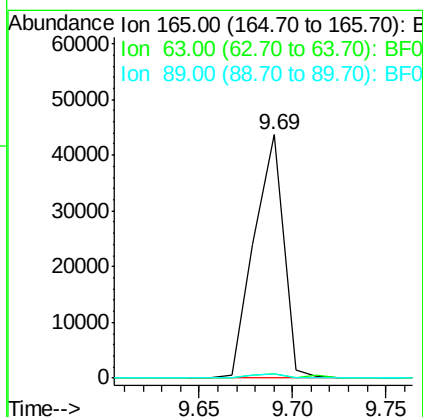
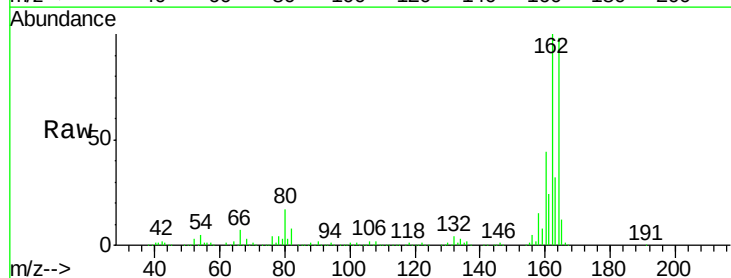
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LIBERTY SF_002-SPLPSVOC3

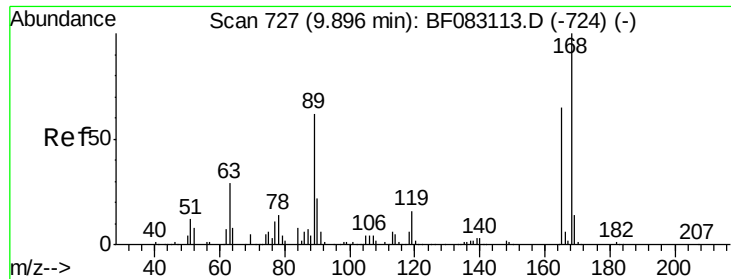
Tgt Ion:163 Resp: 79176
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 8.8 8.6 12.8



#50
2,6-Dinitrotoluene
Concen: 7.41 ng
RT: 9.69 min Scan# 674
Delta R.T. 0.19 min
Lab File: BF083139.D
Acq: 22 Nov 2015 5:31

Tgt Ion:165 Resp: 48059
Ion Ratio Lower Upper
165 100
63 1.7 62.5 93.7#
89 1.5 59.1 88.7#

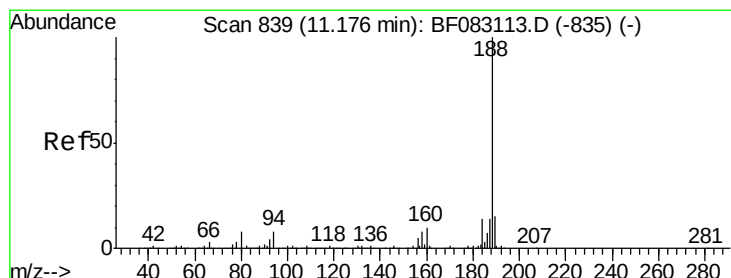
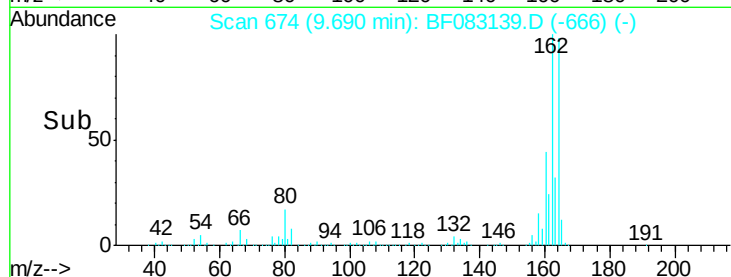
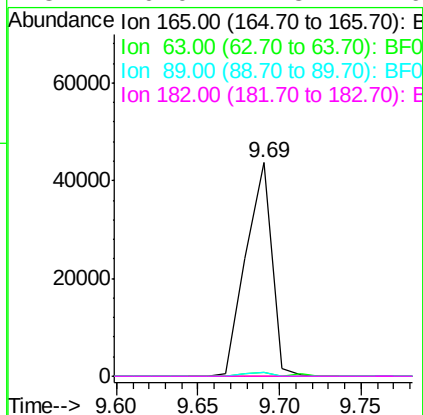
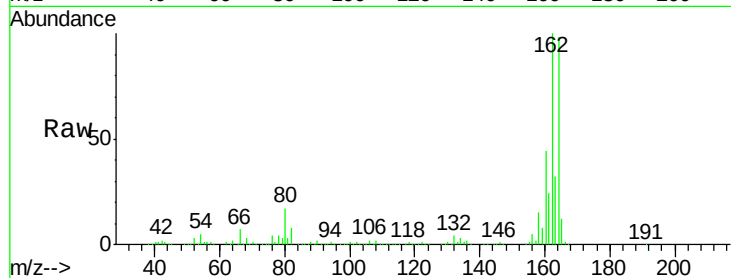




#56
 2,4-Dinitrotoluene
 Concen: 5.85 ng
 RT: 9.69 min Scan# 674
 Delta R.T. -0.21 min
 Lab File: BF083139.D
 Acq: 22 Nov 2015 5:31

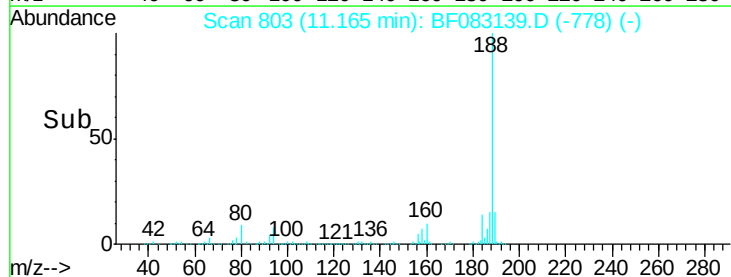
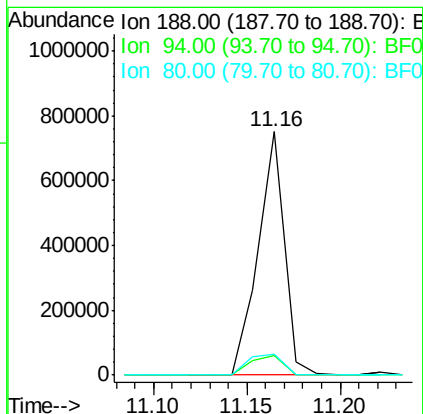
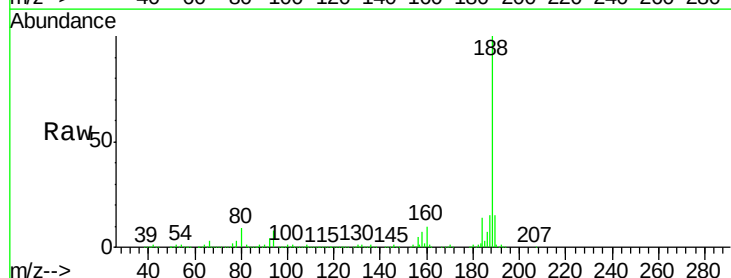
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 LIBERTY SF_002-SPLPSVOC3

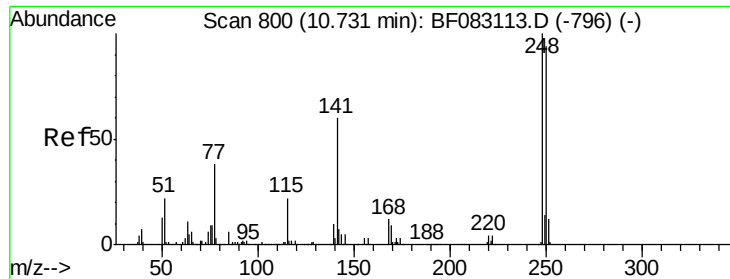
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	54.5	81.7#
89	1.5	77.3	115.9#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.16 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF083139.D
 Acq: 22 Nov 2015 5:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.0	9.0
80	8.6	6.7	10.1





#66

4-Bromophenyl-phenylether

Concen: 4.35 ng

RT: 10.48 min Scan# 743

Delta R.T. -0.25 min

Lab File: BF083139.D

Acq: 22 Nov 2015 5:31

Instrument :

BNA_F

ClientSampleId :

LIBERTY SF_002-SPLPSVOC3

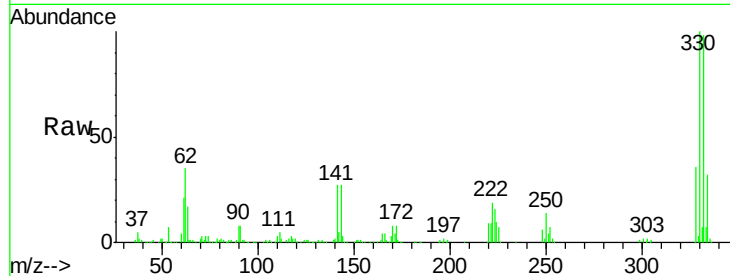
Tgt Ion:248 Resp: 35099

Ion Ratio Lower Upper

248 100

250 216.9 75.4 113.2#

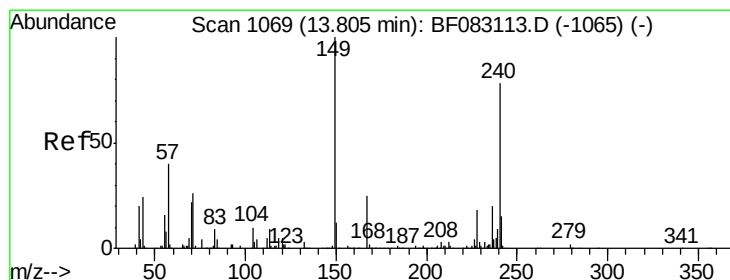
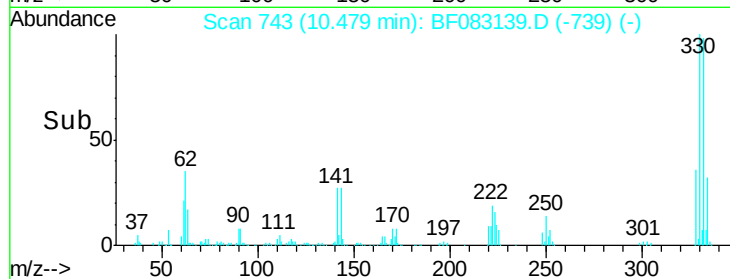
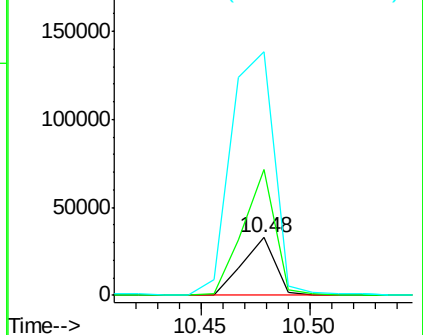
141 420.4 48.1 72.1#



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: BF083139.D

Acq: 22 Nov 2015 5:31

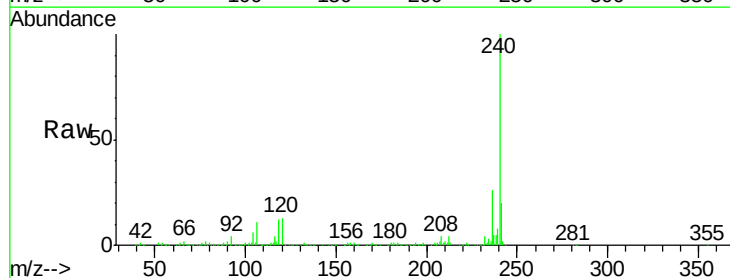
Tgt Ion:240 Resp: 643013

Ion Ratio Lower Upper

240 100

120 13.2 5.4 8.2#

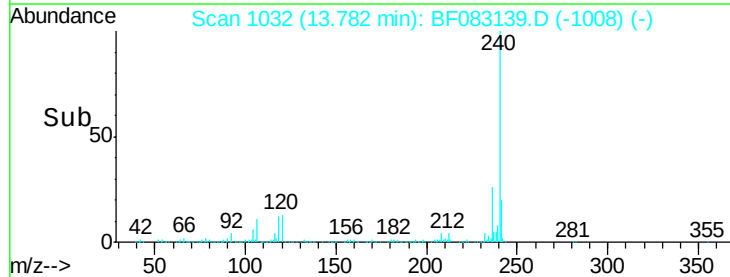
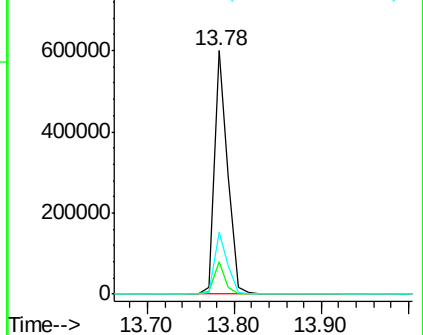
236 25.6 20.6 31.0

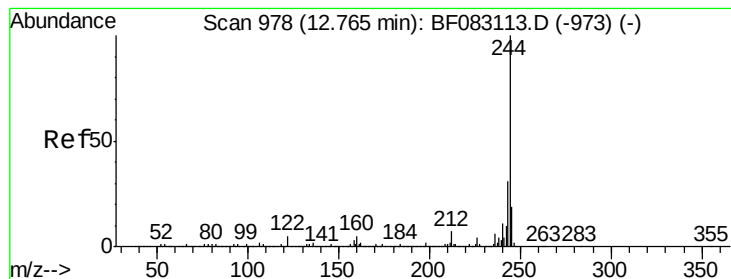


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 39.66 ng

RT: 12.75 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF083139.D

Acq: 22 Nov 2015 5:31

Instrument :

BNA_F

ClientSampleId :

LIBERTY SF_002-SPLPSVOC3

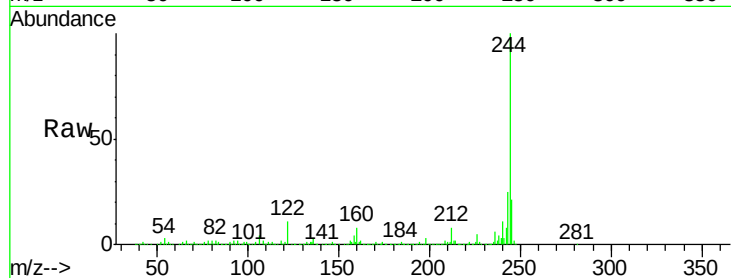
Tgt Ion:244 Resp: 2165925

Ion Ratio Lower Upper

244 100

212 8.1 5.4 8.2

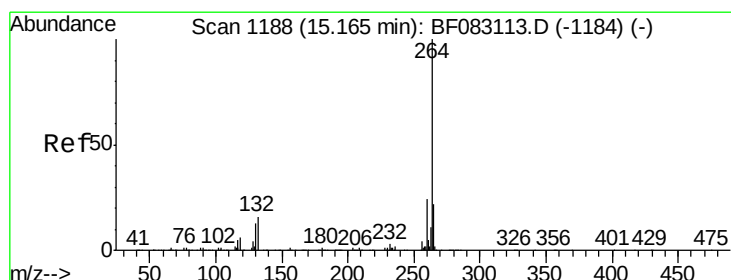
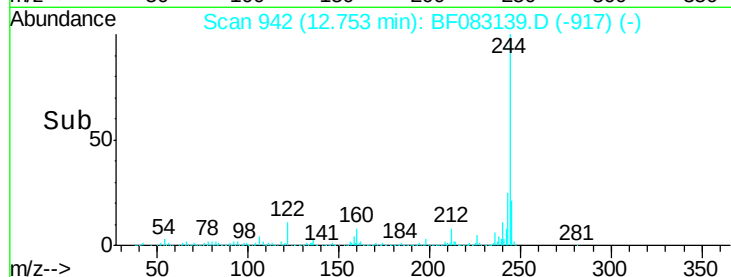
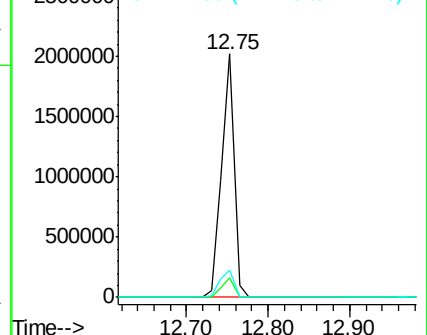
122 11.3 4.3 6.5#



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: BF083139.D

Acq: 22 Nov 2015 5:31

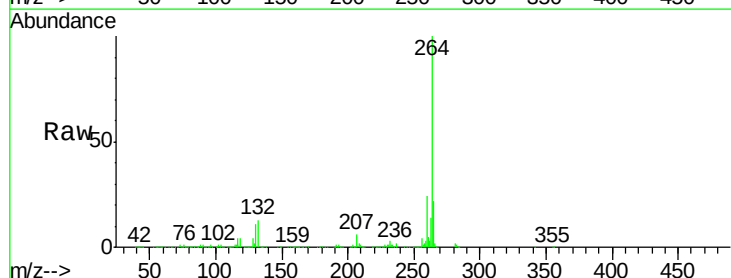
Tgt Ion:264 Resp: 547762

Ion Ratio Lower Upper

264 100

260 24.4 19.1 28.7

265 21.8 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

