

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122015\
 Data File : BF083980.D
 Acq On : 20 Dec 2015 5:27
 Operator : UM/SJ
 Sample : G4851-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-6

Quant Time: Dec 20 07:10:27 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

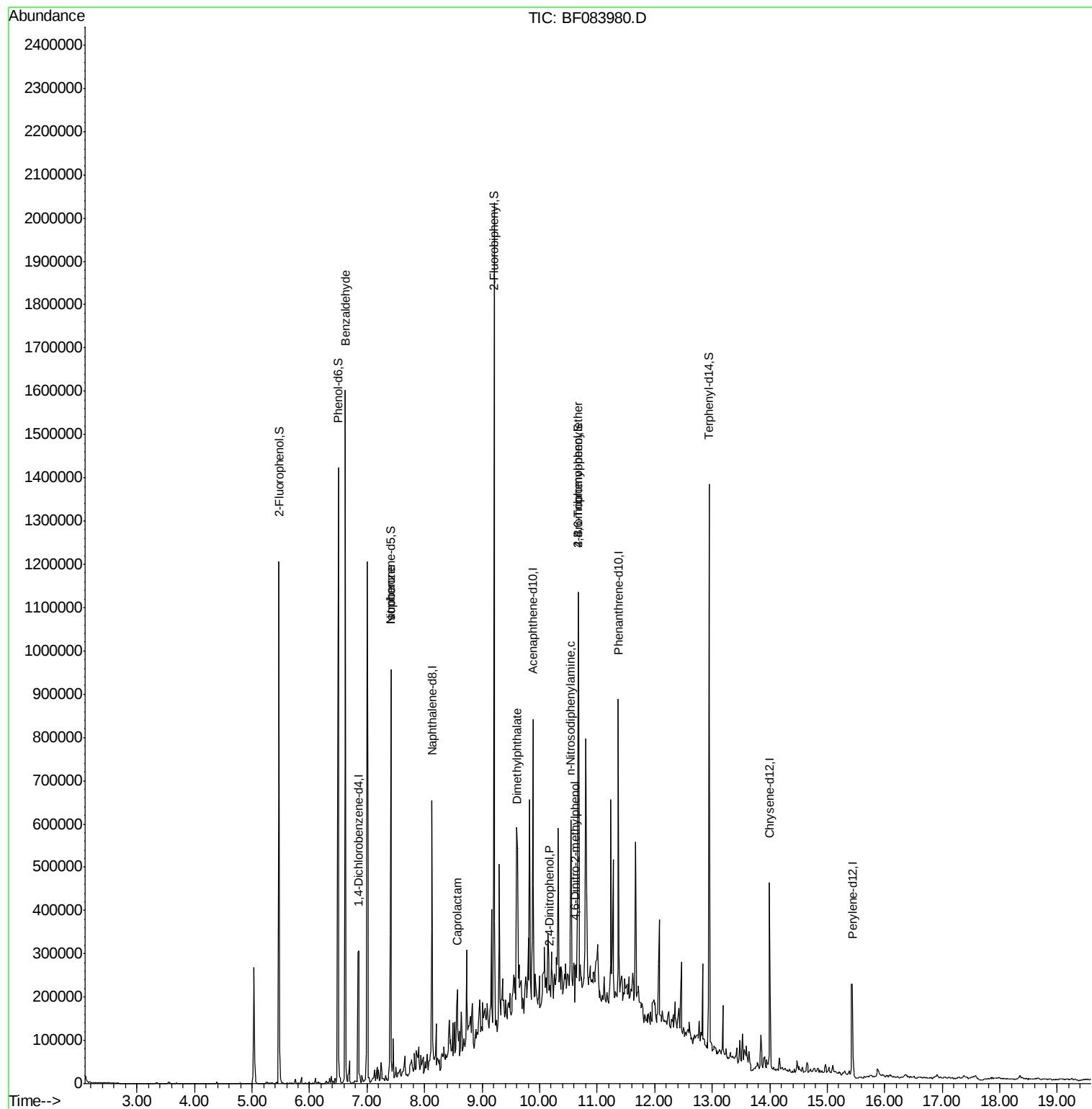
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	71526	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	254206	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	134103	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	234908	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	158800	20.00	ng	-0.03
86) Perylene-d12	15.44	264	125040	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	407603	89.18	ng	-0.01
7) Phenol-d6	6.50	99	583027	104.22	ng	-0.01
23) Nitrobenzene-d5	7.41	82	319579	71.75	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	120055	81.26	ng	-0.03
44) 2-Fluorobiphenyl	9.21	172	575747	57.24	ng	-0.03
78) Terphenyl-d14	12.94	244	491223	71.31	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.62	77	11528	3.42	ng	Qvalue 89
25) Isophorone	7.41	82	235427	28.09	ng	# 66
31) Naphthalene	8.16	128	6170	Below Cal	#	82
35) Caprolactam	8.57	113	7489	6.08	ng	# 50
36) 4-Chloro-3-methylphenol	8.66	107	1091	Below Cal	#	20
45) 1,1'-Biphenyl	9.31	154	2584	Below Cal		85
46) 2-Chloronaphthalene	9.47	162	285	Below Cal	#	1
49) Dimethylphthalate	9.61	163	139696	12.41	ng	# 92
53) 2,4-Dinitrophenol	10.17	184	686	10.97	ng	90
57) Fluorene	10.43	166	2500	Below Cal	#	34
64) 4,6-Dinitro-2-methylphenol	10.62	198	269	4.10	ng	# 1
65) n-Nitrosodiphenylamine	10.54	169	19116	2.24	ng	# 50
66) 4-Bromophenyl-phenylether	10.67	248	7797	2.71	ng	# 1
77) Pyrene	12.81	202	8991	Below Cal		96

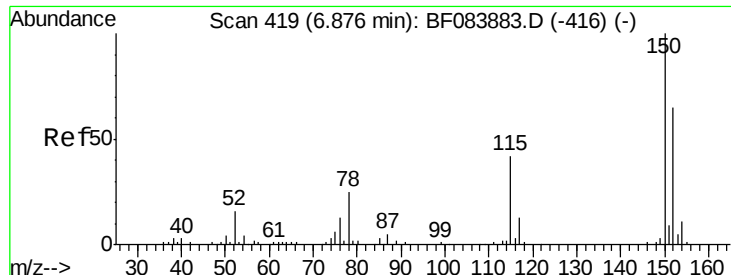
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.02 min

Lab File: BF083980.D

Acq: 20 Dec 2015 5:27

Instrument :

BNA_F

ClientSampleId :

UST-6

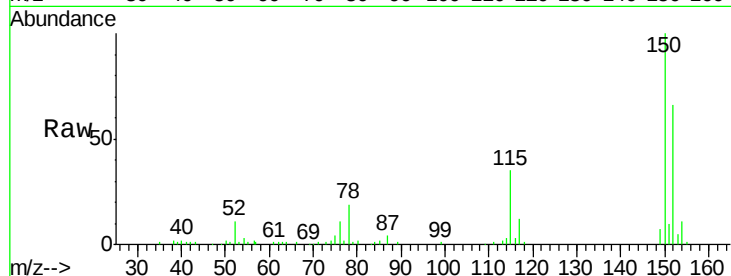
Tgt Ion:152 Resp: 71526

Ion Ratio Lower Upper

152 100

150 151.5 123.0 184.4

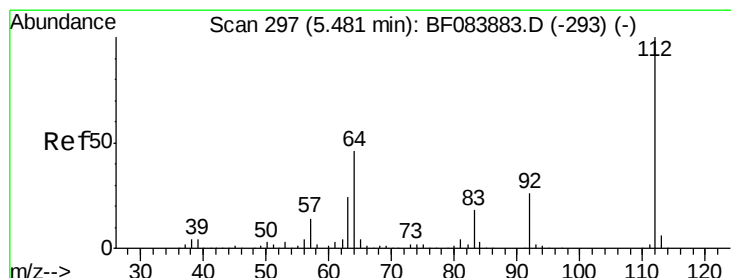
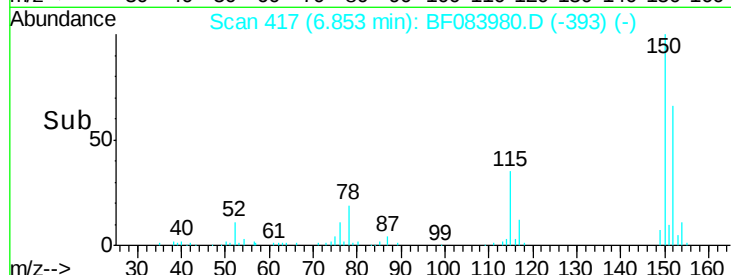
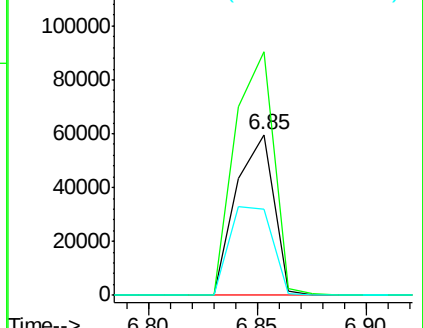
115 53.2 51.4 77.2



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: 89.18 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.01 min

Lab File: BF083980.D

Acq: 20 Dec 2015 5:27

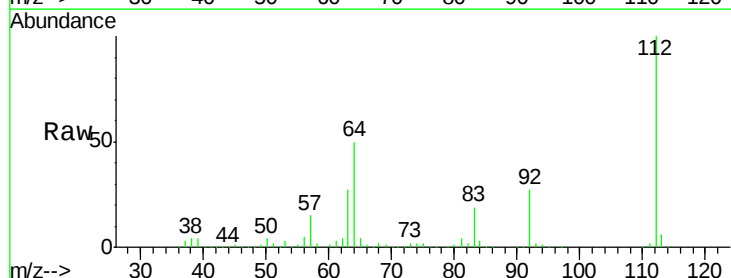
Tgt Ion:112 Resp: 407603

Ion Ratio Lower Upper

112 100

64 49.9 36.6 55.0

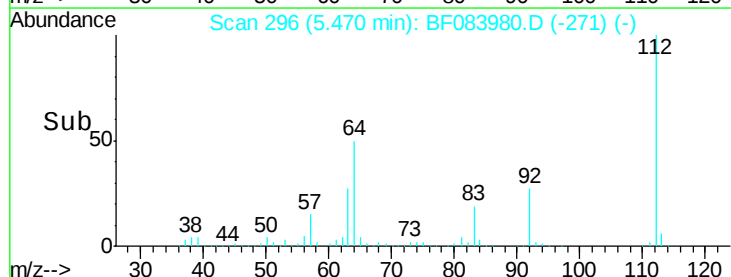
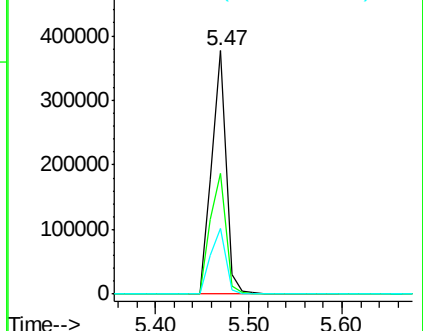
63 27.0 19.4 29.0

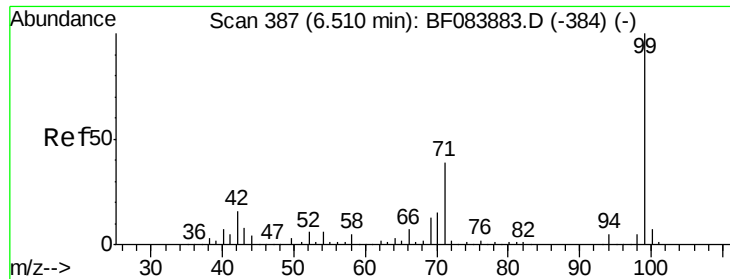


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 104.22 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF083980.D

Acq: 20 Dec 2015 5:27

Instrument :

BNA_F

ClientSampleId :

UST-6

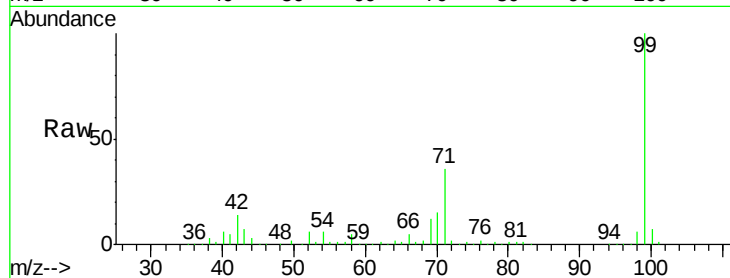
Tgt Ion: 99 Resp: 583027

Ion Ratio Lower Upper

99 100

42 14.1 12.8 19.2

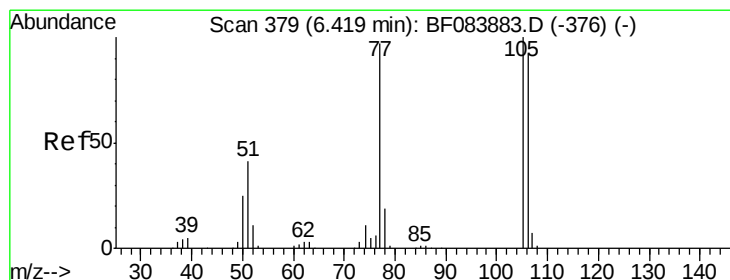
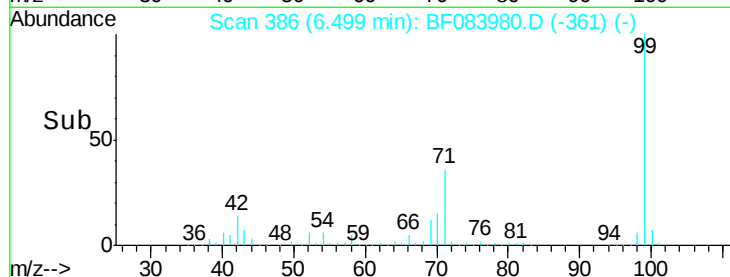
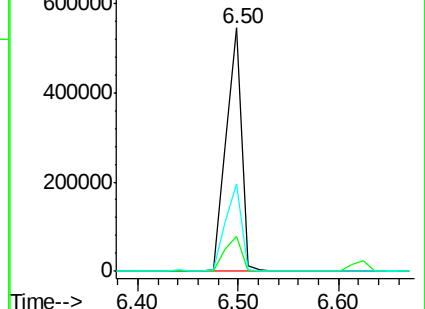
71 36.2 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.42 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.21 min

Lab File: BF083980.D

Acq: 20 Dec 2015 5:27

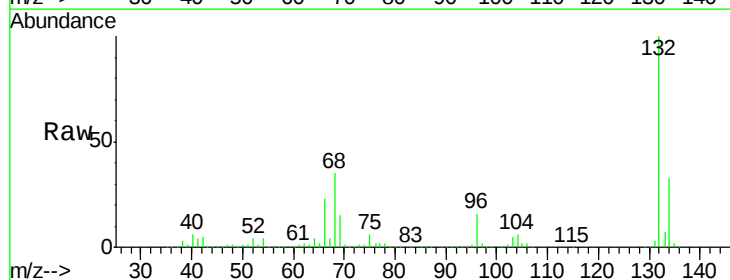
Tgt Ion: 77 Resp: 11528

Ion Ratio Lower Upper

77 100

105 84.5 83.0 123.0

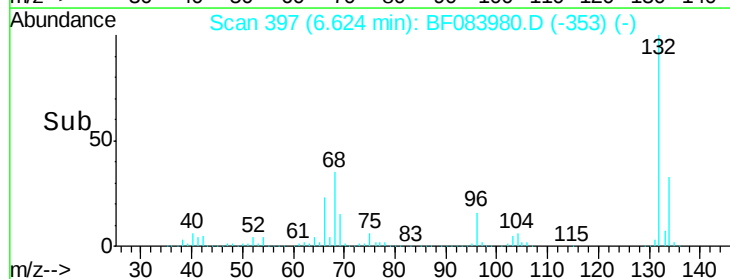
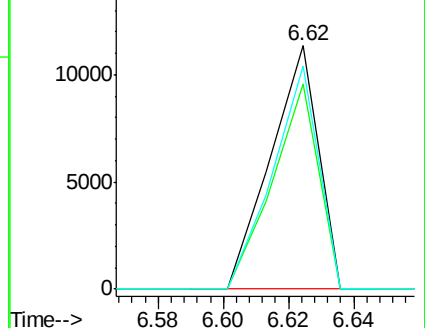
106 91.4 74.6 114.6

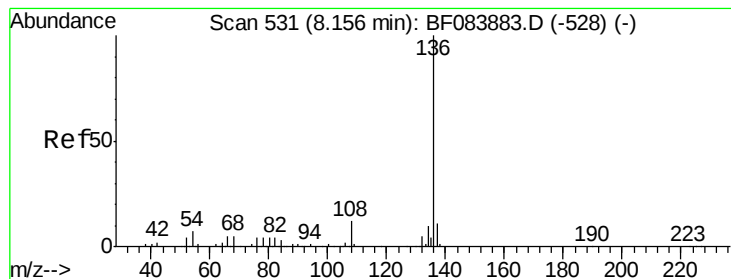


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.02 min

Lab File: BF083980.D

Acq: 20 Dec 2015 5:27

Instrument :

BNA_F

ClientSampleId :

UST-6

Tgt Ion:136 Resp: 254206

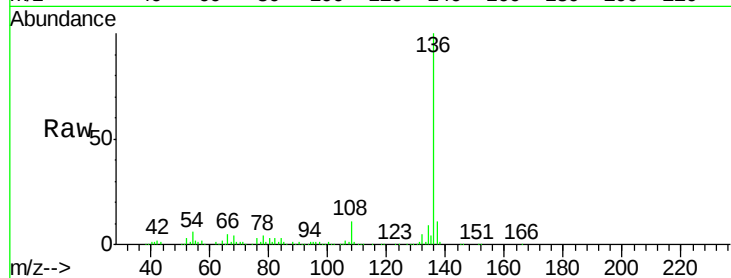
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 5.7 5.8 8.8#

68 4.4 4.2 6.2

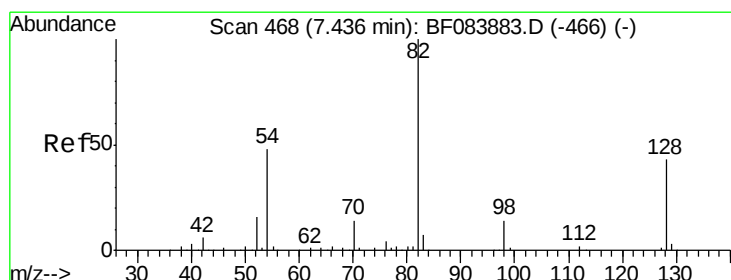
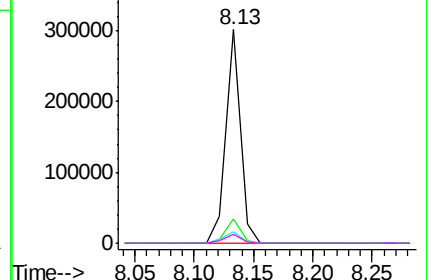
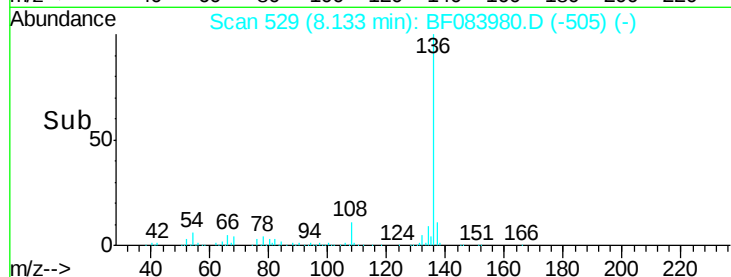


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.75 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.02 min

Lab File: BF083980.D

Acq: 20 Dec 2015 5:27

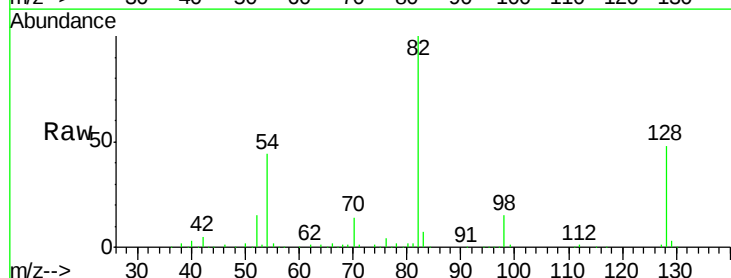
Tgt Ion: 82 Resp: 319579

Ion Ratio Lower Upper

82 100

128 48.1 34.6 51.8

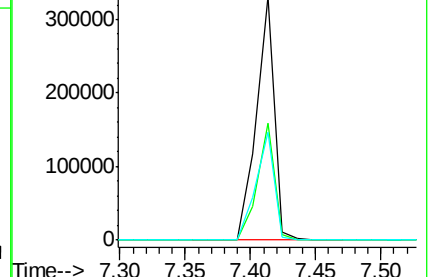
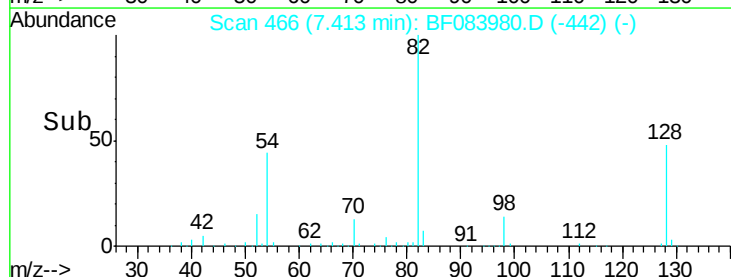
54 44.3 38.4 57.6

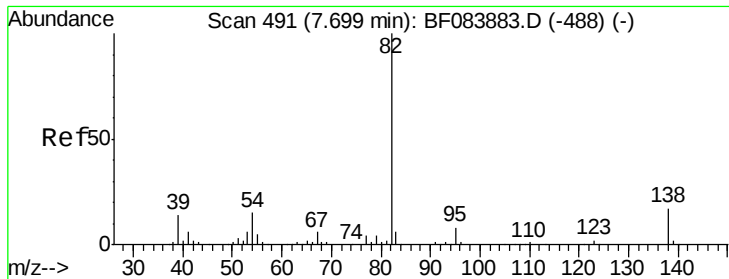


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 28.09 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.29 min

Lab File: BF083980.D

Acq: 20 Dec 2015 5:27

Instrument :

BNA_F

ClientSampleId :

UST-6

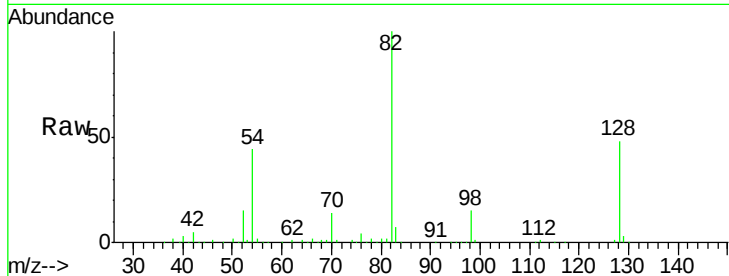
Tgt Ion: 82 Resp: 235427

Ion Ratio Lower Upper

82 100

95 0.2 6.6 10.0#

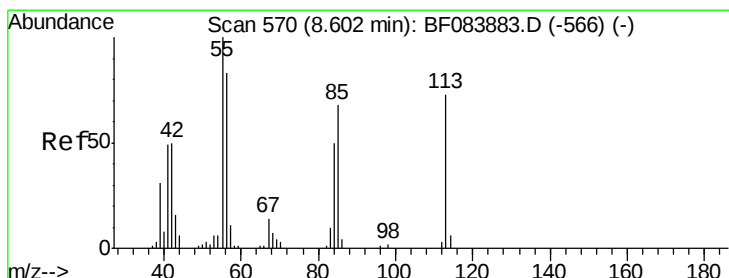
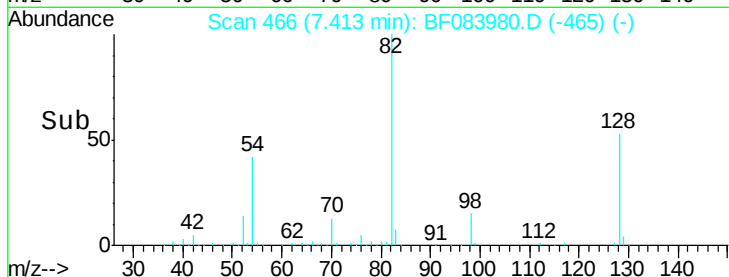
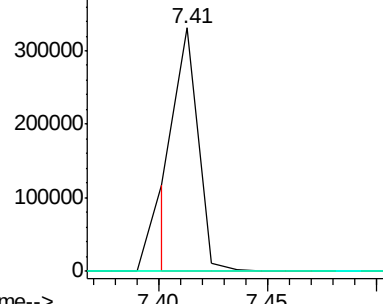
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#35

Caprolactam

Concen: 6.08 ng

RT: 8.57 min Scan# 567

Delta R.T. -0.03 min

Lab File: BF083980.D

Acq: 20 Dec 2015 5:27

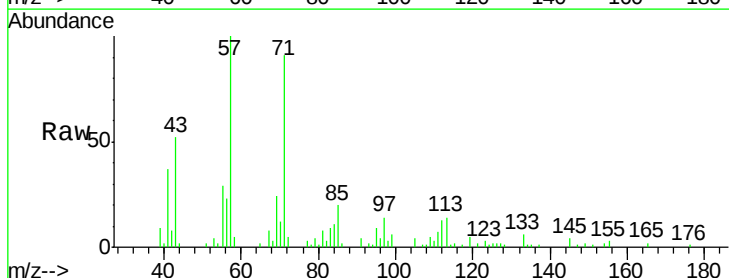
Tgt Ion: 113 Resp: 7489

Ion Ratio Lower Upper

113 100

55 203.1 116.9 156.9#

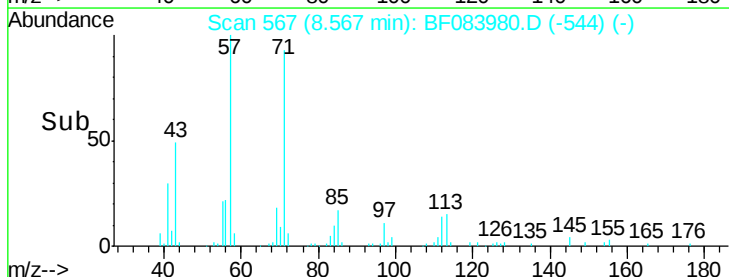
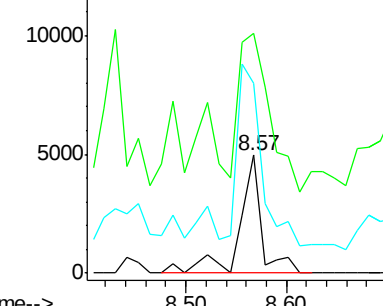
56 161.0 93.8 133.8#

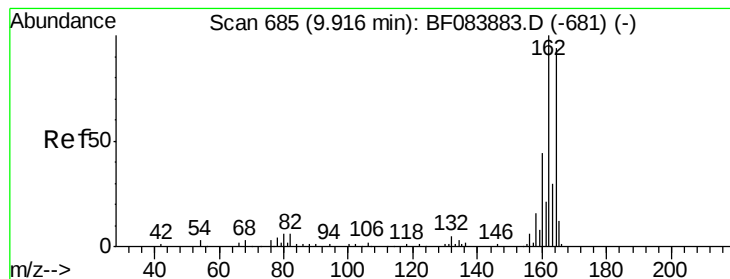


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.03 min

Lab File: BF083980.D

Acq: 20 Dec 2015 5:27

Instrument :

BNA_F

ClientSampleId :

UST-6

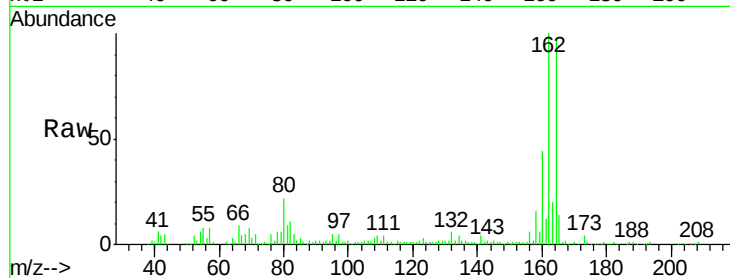
Tgt Ion:164 Resp: 134103

Ion Ratio Lower Upper

164 100

162 103.0 85.1 127.7

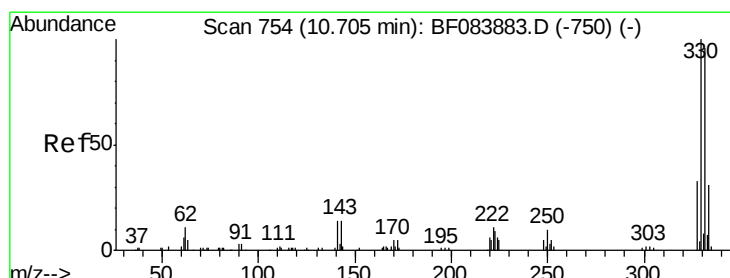
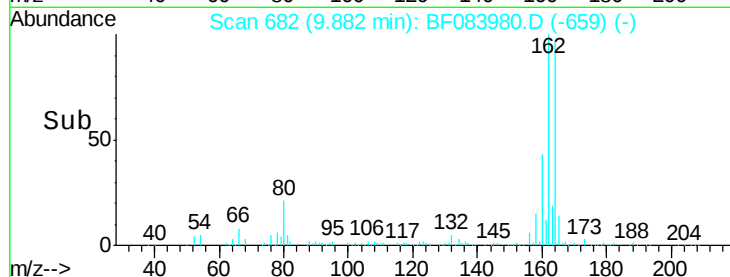
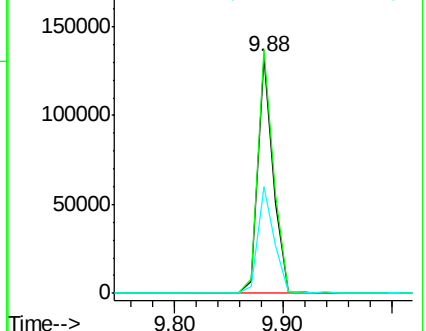
160 45.2 37.5 56.3



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: 81.26 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.03 min

Lab File: BF083980.D

Acq: 20 Dec 2015 5:27

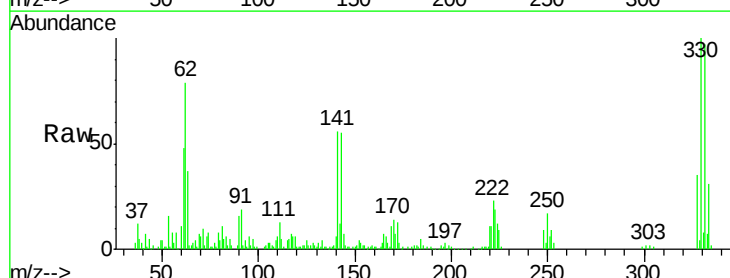
Tgt Ion:330 Resp: 120055

Ion Ratio Lower Upper

330 100

332 96.3 76.6 114.8

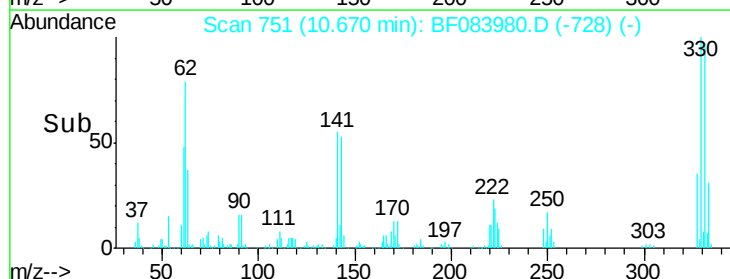
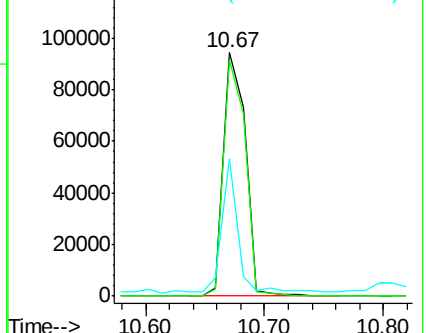
141 38.5 27.8 41.6

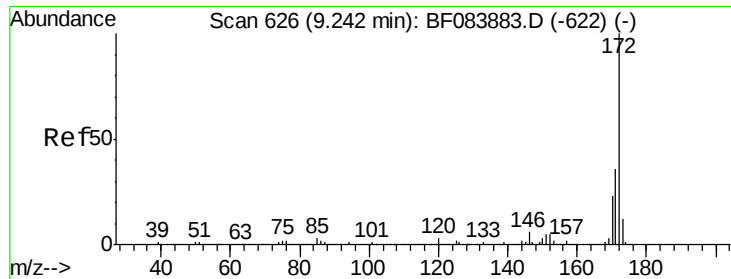


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 57.24 ng

RT: 9.21 min Scan# 623

Delta R.T. -0.03 min

Lab File: BF083980.D

Acq: 20 Dec 2015 5:27

Instrument :

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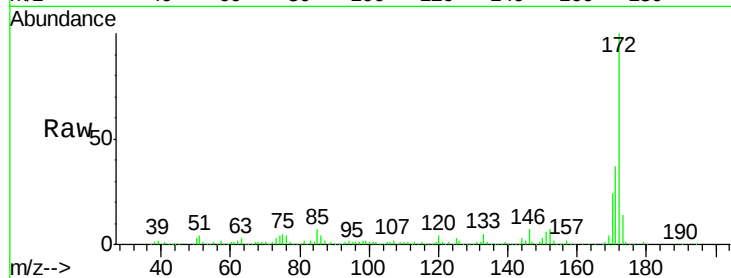
Tgt Ion:172 Resp: 575747

Ion Ratio Lower Upper

172 100

171 36.7 28.9 43.3

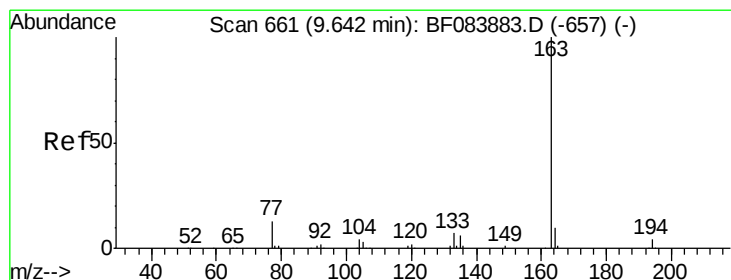
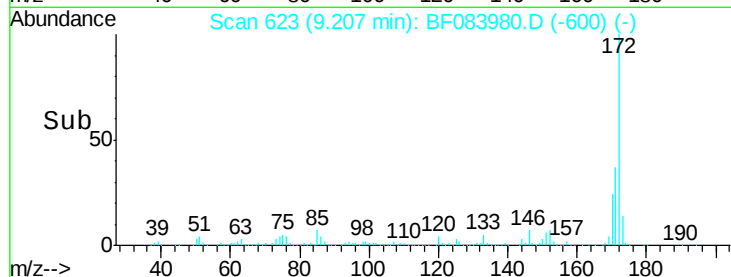
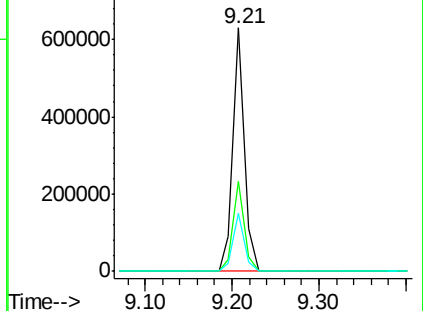
170 23.9 18.6 27.8



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: 12.41 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.03 min

Lab File: BF083980.D

Acq: 20 Dec 2015 5:27

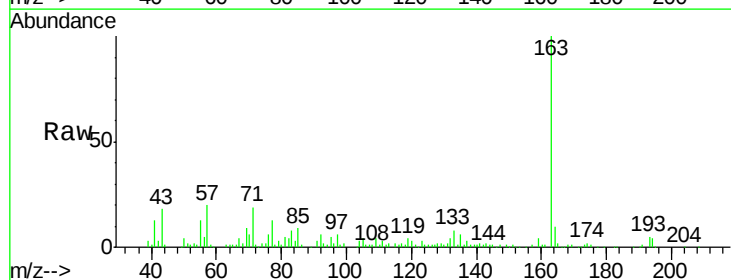
Tgt Ion:163 Resp: 139696

Ion Ratio Lower Upper

163 100

194 4.5 8.0 12.0#

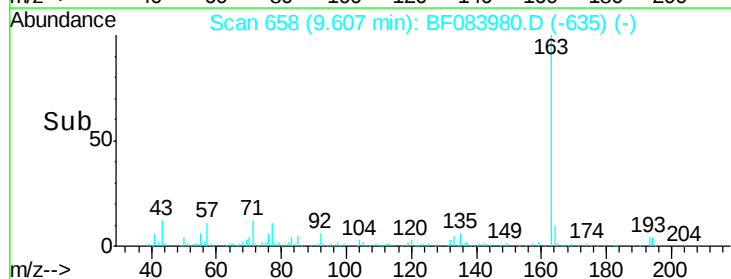
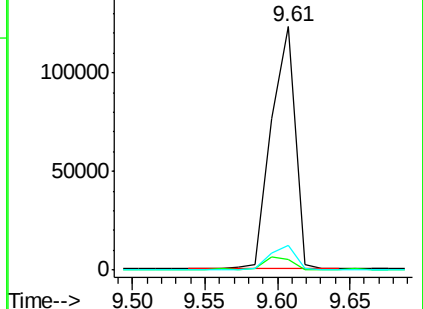
164 10.0 8.0 12.0

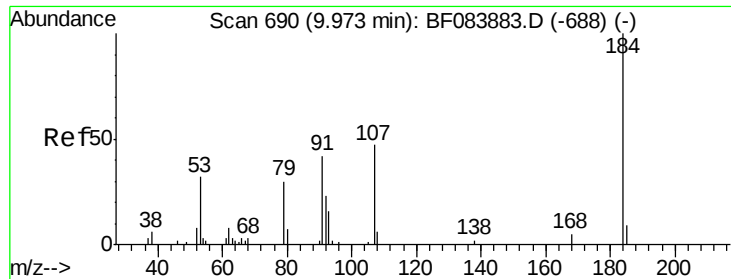


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

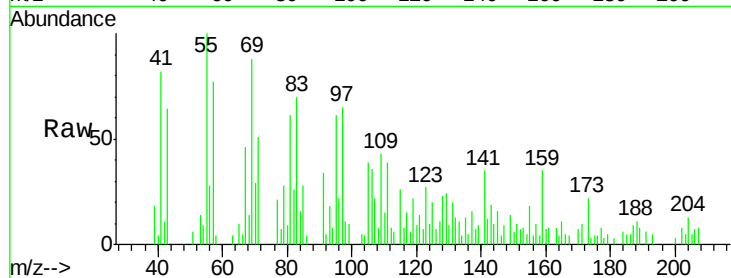




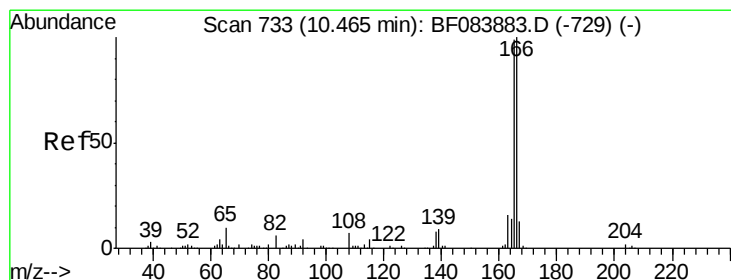
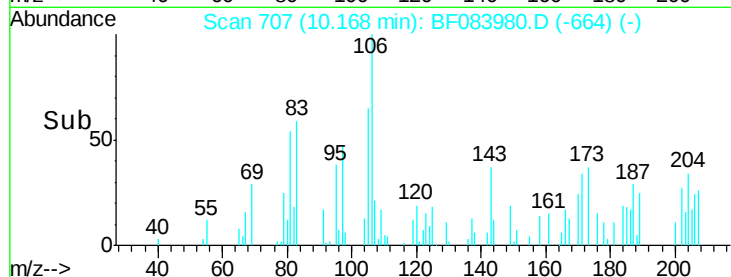
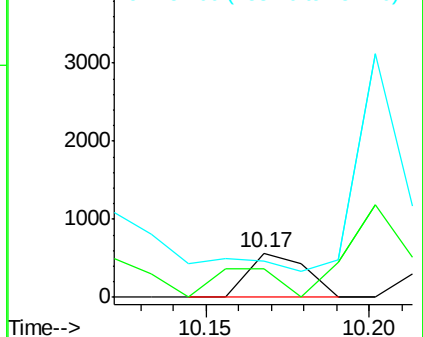
#53
2,4-Dinitrophenol
Concen: 10.97 ng
RT: 10.17 min Scan# 707
Delta R.T. 0.19 min
Lab File: BF083980.D
Acq: 20 Dec 2015 5:27

Instrument :
BNA_F
ClientSampleId :
UST-6

Tgt Ion:184 Resp: 686
Ion Ratio Lower Upper
184 100
63 64.2 43.1 64.7
154 81.2 60.5 90.7

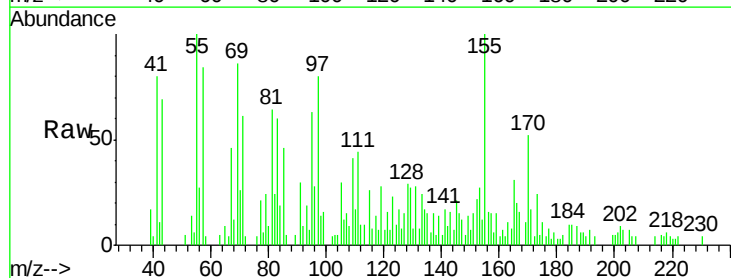


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

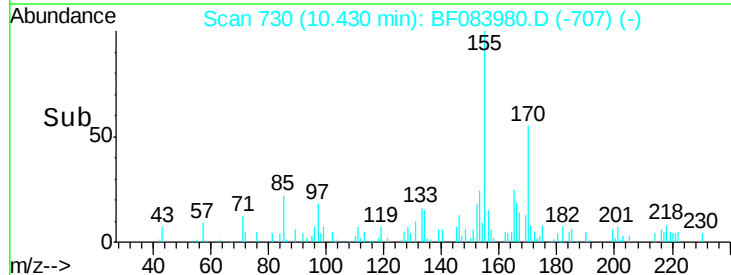
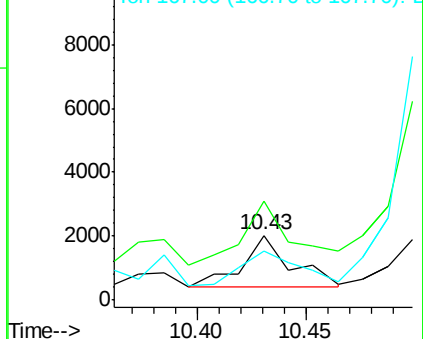


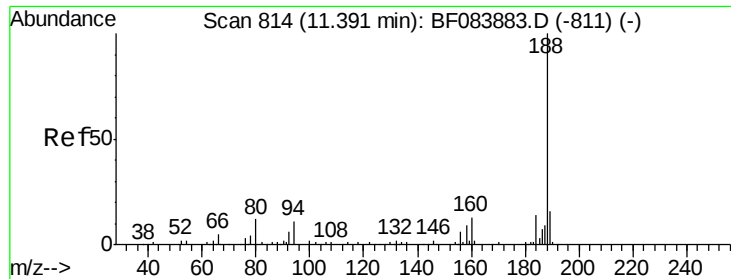
#57
Fluorene
Concen: Below Cal
RT: 10.43 min Scan# 730
Delta R.T. -0.03 min
Lab File: BF083980.D
Acq: 20 Dec 2015 5:27

Tgt Ion:166 Resp: 2500
Ion Ratio Lower Upper
166 100
165 152.1 79.1 118.7#
167 76.4 10.4 15.6#



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

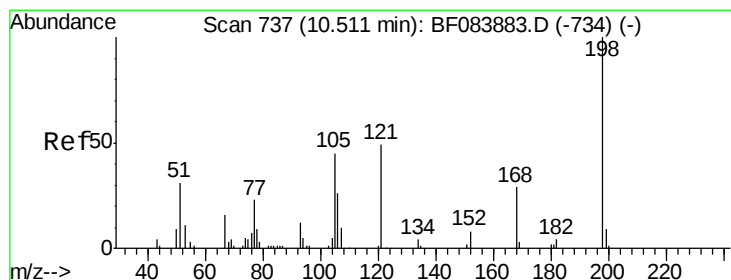
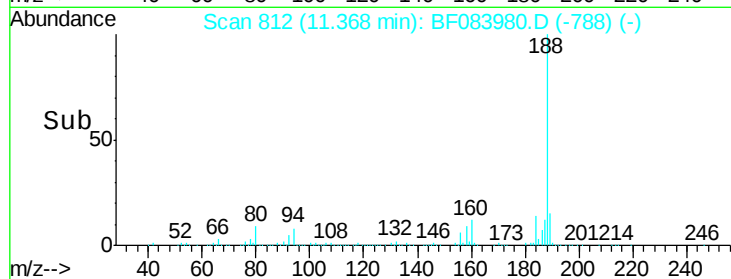
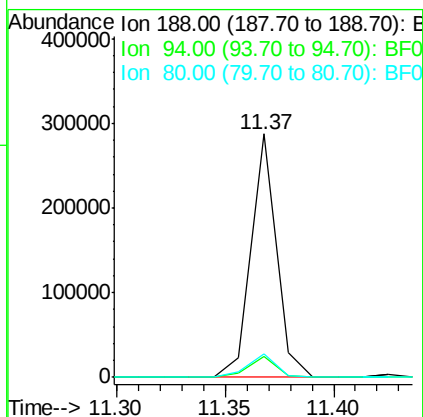
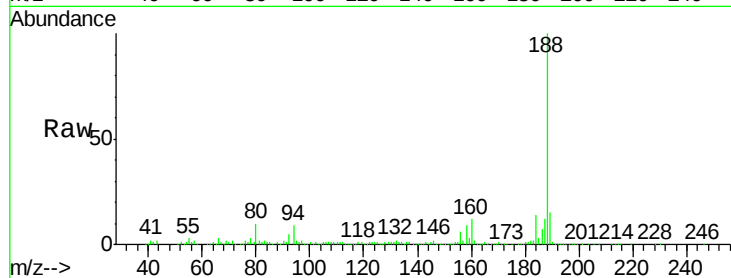




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF083980.D
Acq: 20 Dec 2015 5:27

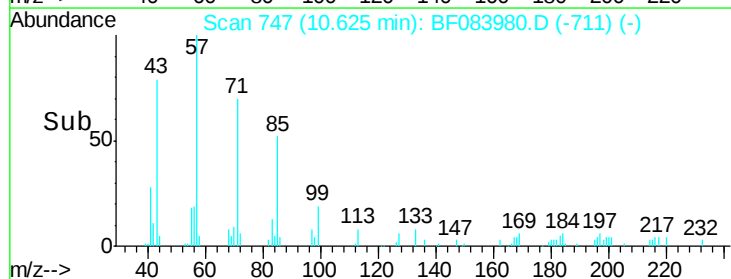
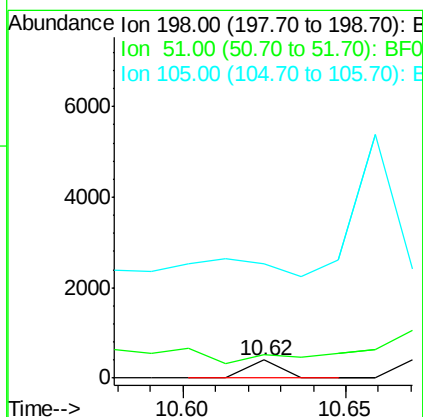
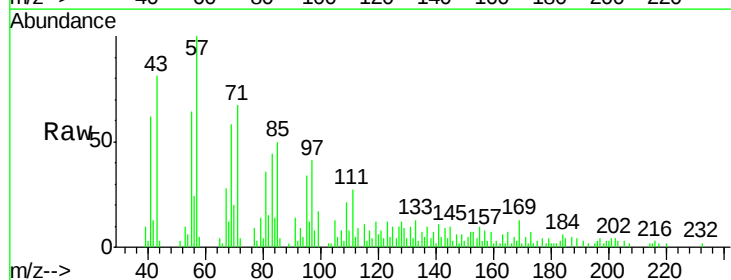
Instrument :
BNA_F
ClientSampleId :
UST-6

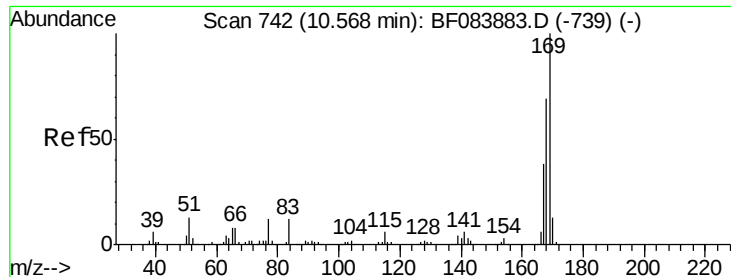
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	9.0	13.4#
80	9.7	9.6	14.4



#64
4,6-Dinitro-2-methylphenol
Concen: 4.10 ng
RT: 10.62 min Scan# 747
Delta R.T. 0.11 min
Lab File: BF083980.D
Acq: 20 Dec 2015 5:27

Tgt Ion	Ratio	Lower	Upper
198	100		
51	130.5	18.9	58.9#
105	642.0	26.4	66.4#





#65

n-Nitrosodiphenylamine

Concen: 2.24 ng

RT: 10.54 min Scan# 740

Delta R.T. -0.02 min

Lab File: BF083980.D

Acq: 20 Dec 2015 5:27

Instrument :

BNA_F

ClientSampleId :

UST-6

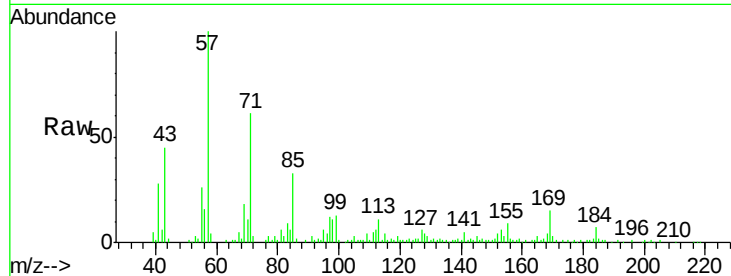
Tgt Ion:169 Resp: 19116

Ion Ratio Lower Upper

169 100

168 24.6 55.1 82.7#

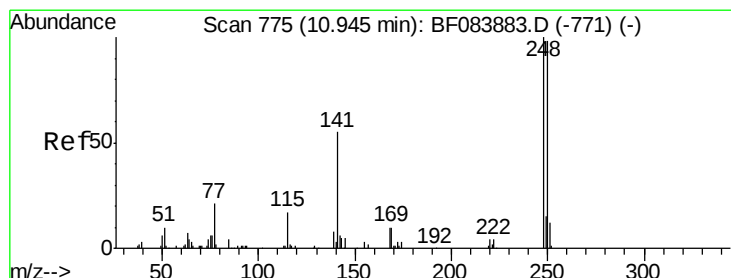
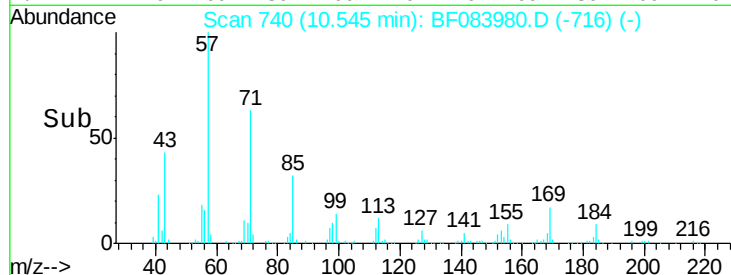
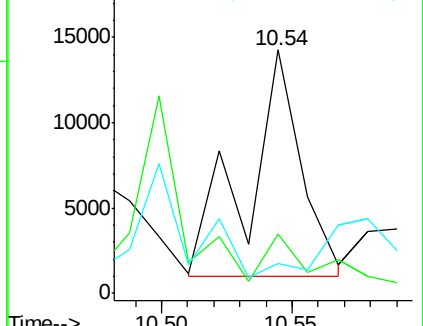
167 12.5 30.0 45.0#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 2.71 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.27 min

Lab File: BF083980.D

Acq: 20 Dec 2015 5:27

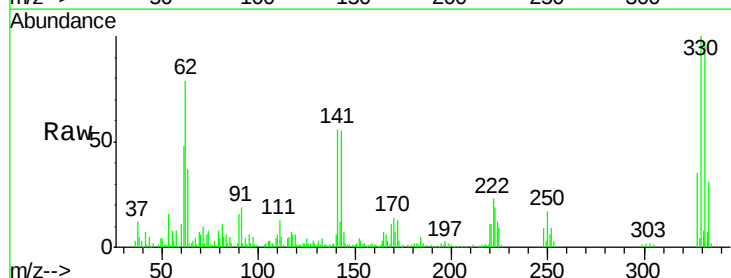
Tgt Ion:248 Resp: 7797

Ion Ratio Lower Upper

248 100

250 196.1 78.4 117.6#

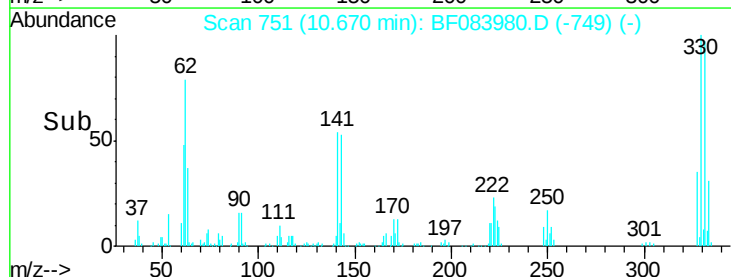
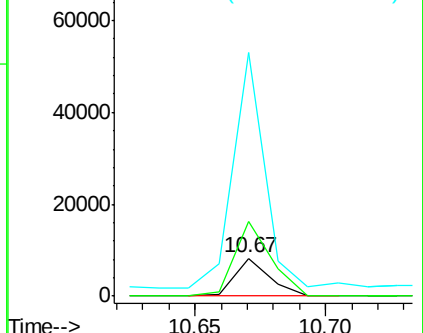
141 644.6 44.0 66.0#

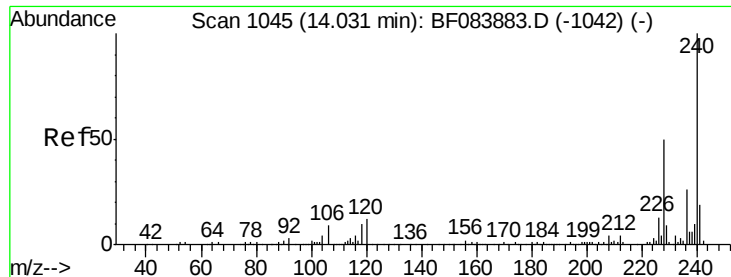


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

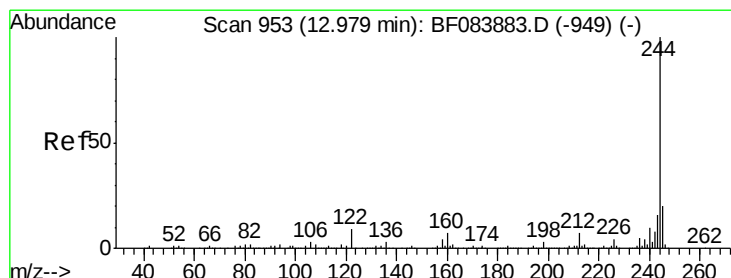
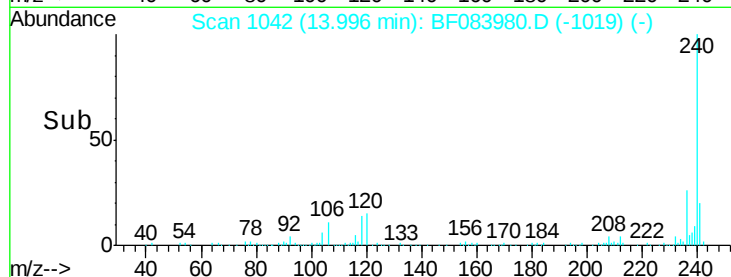
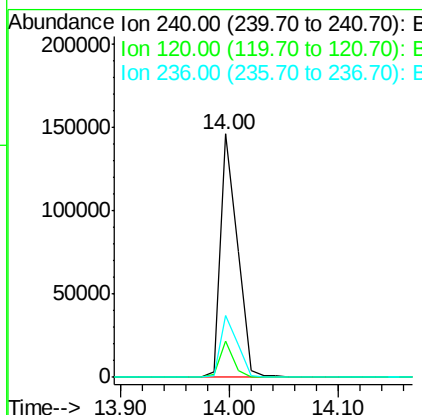
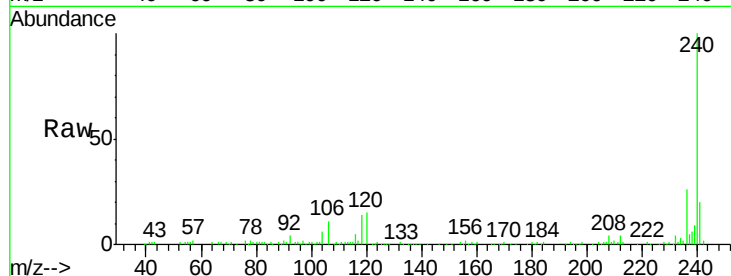




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.03 min
 Lab File: BF083980.D
 Acq: 20 Dec 2015 5:27

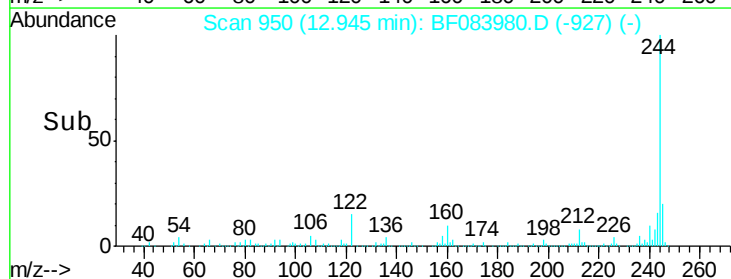
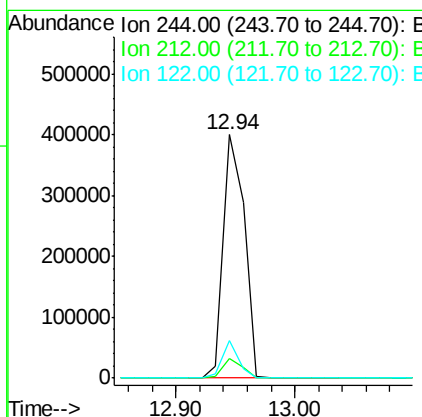
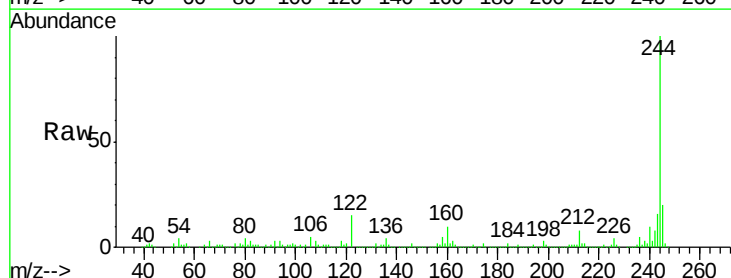
Instrument :
 BNA_F
 ClientSampleId :
 UST-6

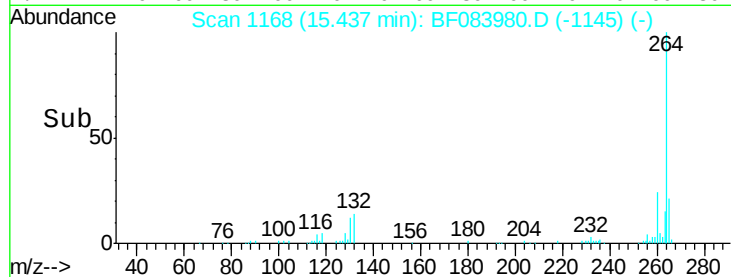
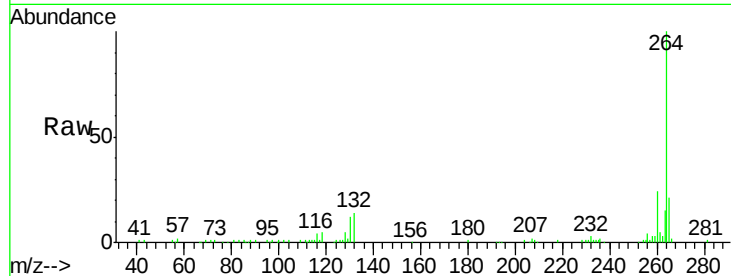
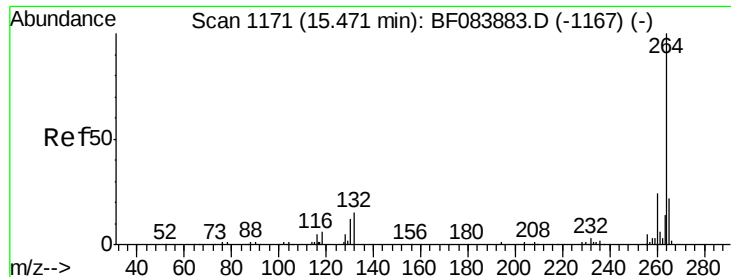
Tgt Ion: 240 Resp: 158800
 Ion Ratio Lower Upper
 240 100
 120 14.8 9.5 14.3#
 236 25.6 20.6 31.0



#78
 Terphenyl-d14
 Concen: 71.31 ng
 RT: 12.94 min Scan# 950
 Delta R.T. -0.03 min
 Lab File: BF083980.D
 Acq: 20 Dec 2015 5:27

Tgt Ion: 244 Resp: 491223
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.7 8.5
 122 15.5 7.4 11.0#





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.03 min

Lab File: BF083980.D

Acq: 20 Dec 2015 5:27

Instrument :

BNA_F

ClientSampleId :

UST-6

Tgt Ion: 264 Resp: 125040

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.2

265 21.2 17.8 26.6

