

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122015\
 Data File : BF083954.D
 Acq On : 19 Dec 2015 15:07
 Operator : UM/SJ
 Sample : PB87359BL
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87359BL

Quant Time: Dec 21 00:44:45 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

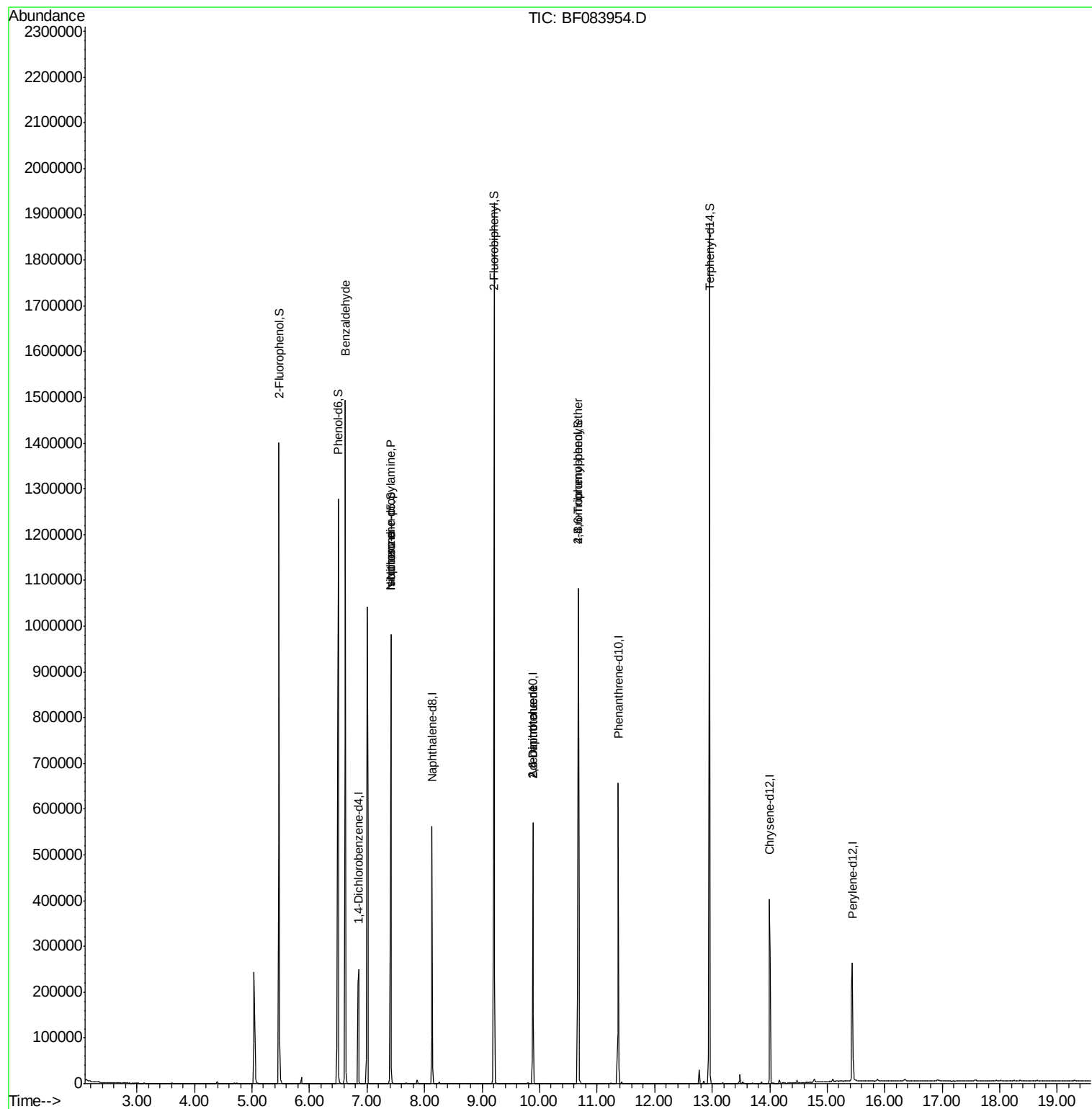
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	55831	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	246043	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	114007	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	221520	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	182636	20.00	ng	-0.03
86) Perylene-d12	15.44	264	136577	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	406681	113.99	ng	-0.01
7) Phenol-d6	6.50	99	562043	128.71	ng	-0.01
23) Nitrobenzene-d5	7.41	82	331098	76.80	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	145035	115.48	ng	-0.03
44) 2-Fluorobiphenyl	9.21	172	610757	73.66	ng	-0.03
78) Terphenyl-d14	12.96	244	684467	87.83	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.62	77	10663	4.05	ng	Qvalue 91
19) n-Nitroso-di-n-propylamine	7.41	70	46509	18.27	ng	# 75
25) Isophorone	7.41	82	244323	30.12	ng	# 66
31) Naphthalene	8.26	128	364	Below Cal	#	1
45) 1,1'-Biphenyl	9.21	154	1042	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.88	165	14693	7.04	ng	# 35
56) 2,4-Dinitrotoluene	9.88	165	14690	5.49	ng	# 20
57) Fluorene	10.67	166	5599	Below Cal	#	82
66) 4-Bromophenyl-phenylether	10.67	248	9467	3.50	ng	# 1
77) Pyrene	12.96	202	2629	Below Cal	#	72

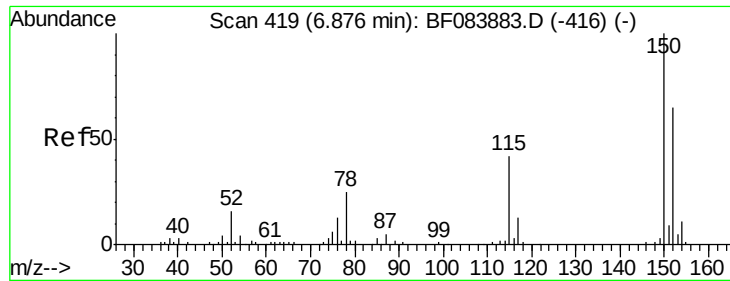
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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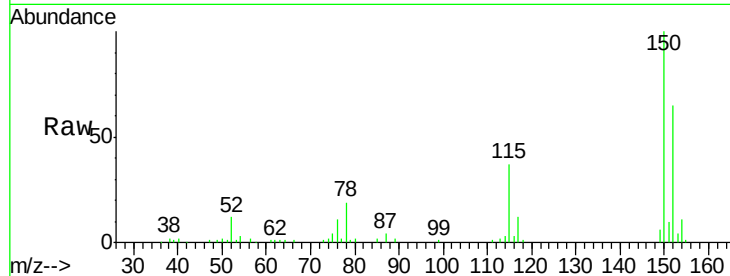


#1

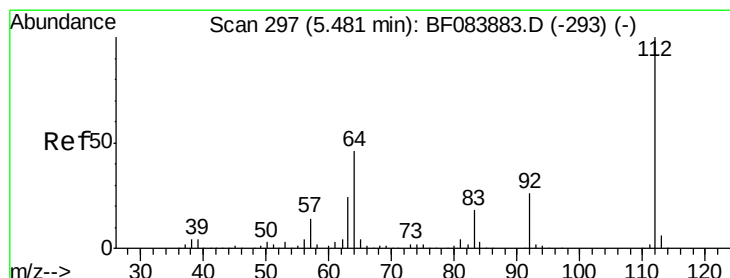
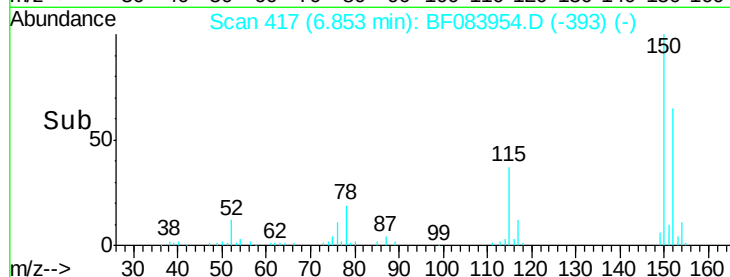
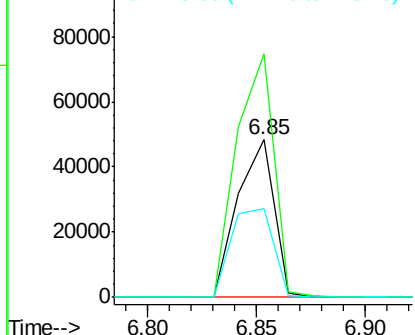
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.02 min
Lab File: BF083954.D
Acq: 19 Dec 2015 15:07

Instrument :
BNA_F
ClientSampleId :
PB87359BL

Tgt Ion:152 Resp: 55831
Ion Ratio Lower Upper
152 100
150 154.6 123.0 184.4
115 56.7 51.4 77.2



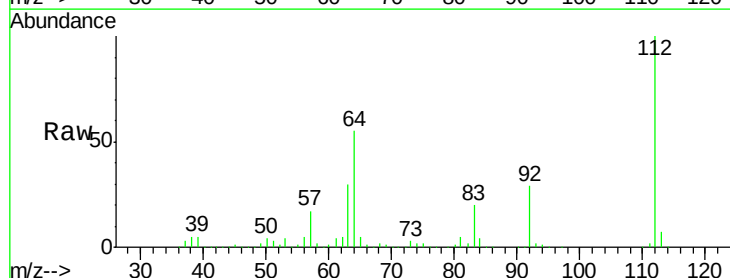
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



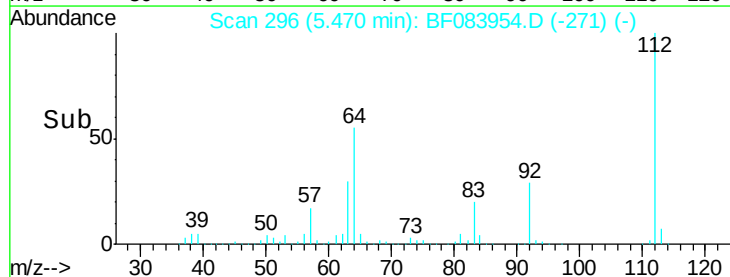
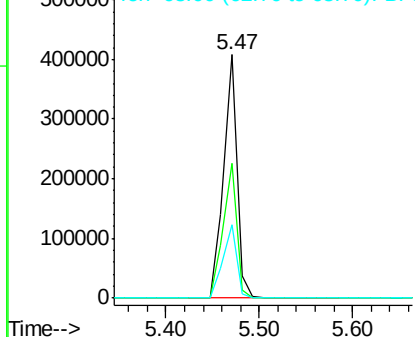
#5

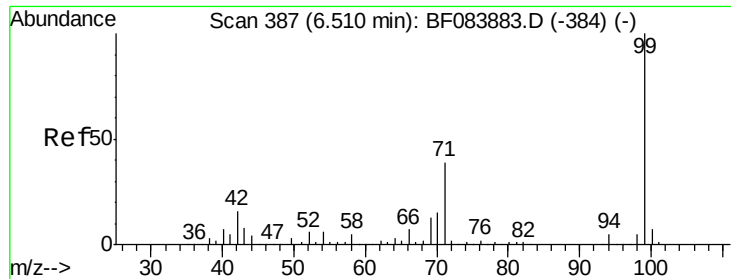
2-Fluorophenol
Concen: 113.99 ng
RT: 5.47 min Scan# 296
Delta R.T. -0.01 min
Lab File: BF083954.D
Acq: 19 Dec 2015 15:07

Tgt Ion:112 Resp: 406681
Ion Ratio Lower Upper
112 100
64 55.3 36.6 55.0#
63 30.3 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: 128.71 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF083954.D

Acq: 19 Dec 2015 15:07

Instrument :

BNA_F

ClientSampleId :

PB87359BL

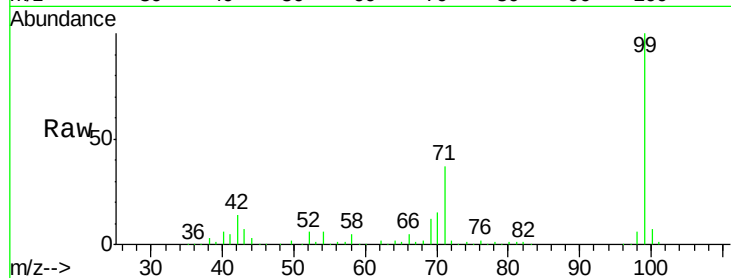
Tgt Ion: 99 Resp: 562043

Ion Ratio Lower Upper

99 100

42 14.2 12.8 19.2

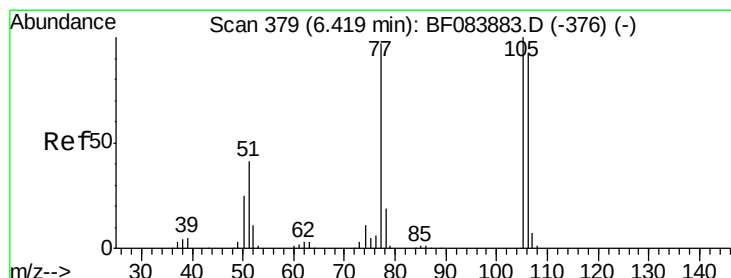
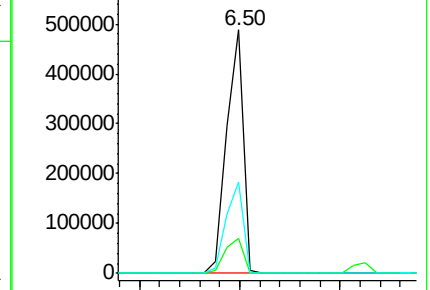
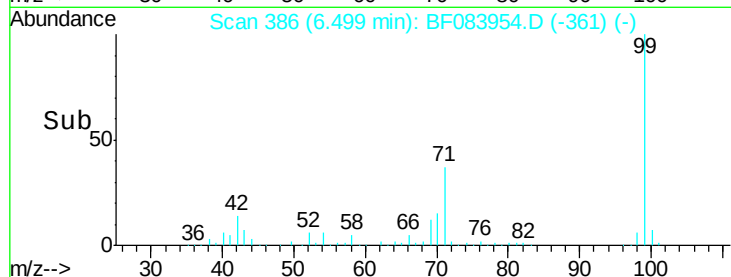
71 37.3 30.9 46.3



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: 4.05 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.21 min

Lab File: BF083954.D

Acq: 19 Dec 2015 15:07

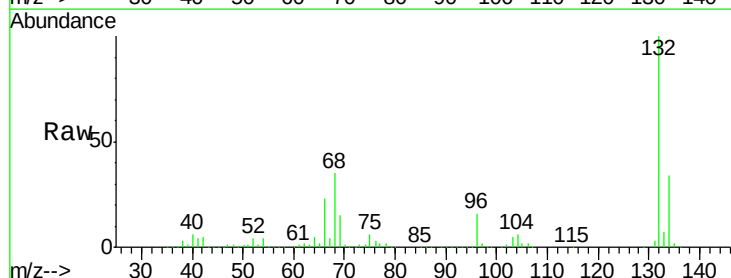
Tgt Ion: 77 Resp: 10663

Ion Ratio Lower Upper

77 100

105 87.8 83.0 123.0

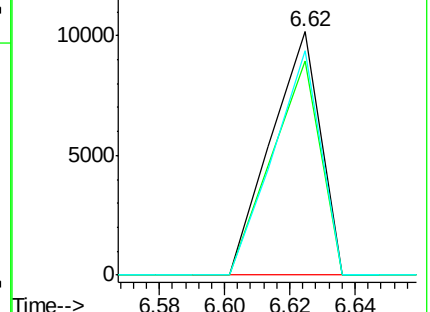
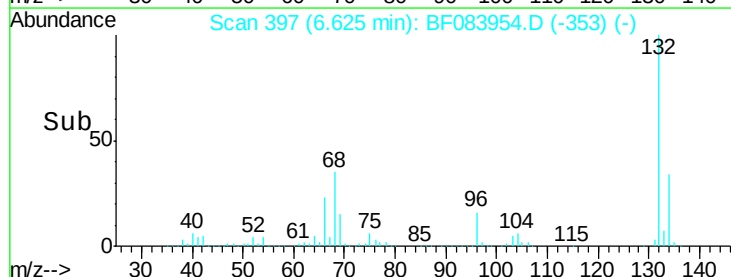
106 92.2 74.6 114.6

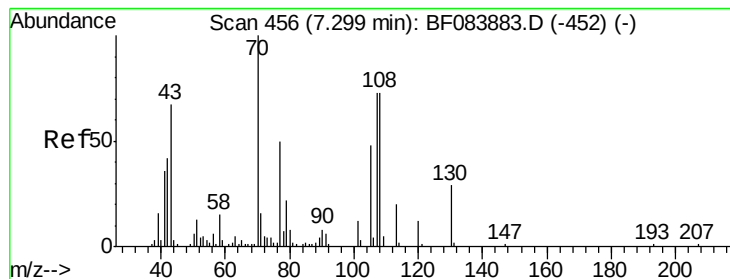


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 18.27 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.11 min

Lab File: BF083954.D

Acq: 19 Dec 2015 15:07

Instrument :

BNA_F

ClientSampleId :

PB87359BL

Tgt Ion: 70 Resp: 46509

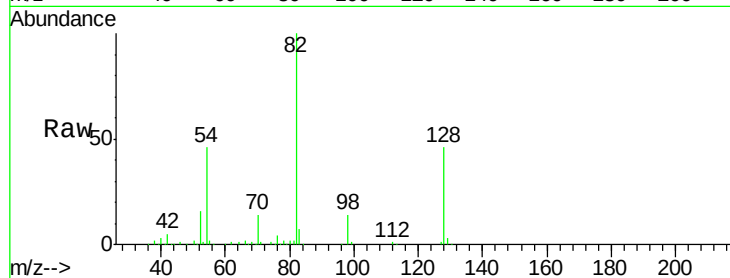
Ion Ratio Lower Upper

70 100

42 38.1 33.3 49.9

101 0.0 9.3 13.9#

130 1.8 23.4 35.0#

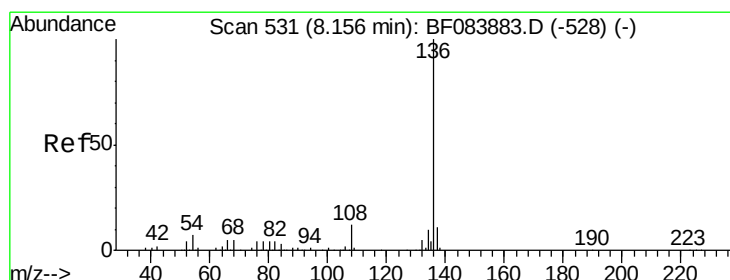
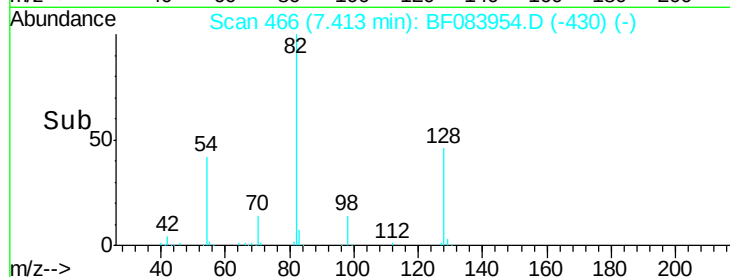
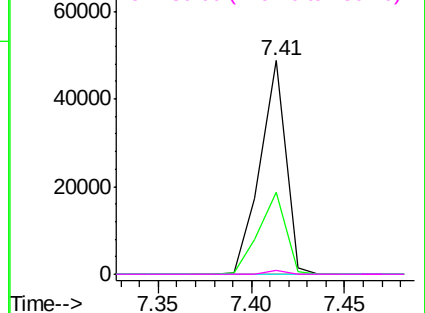


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.02 min

Lab File: BF083954.D

Acq: 19 Dec 2015 15:07

Tgt Ion: 136 Resp: 246043

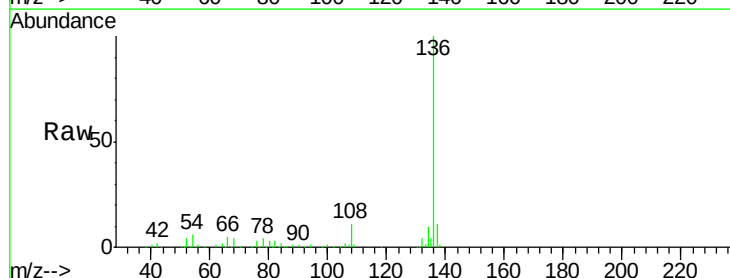
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 5.7 5.8 8.8#

68 4.2 4.2 6.2#

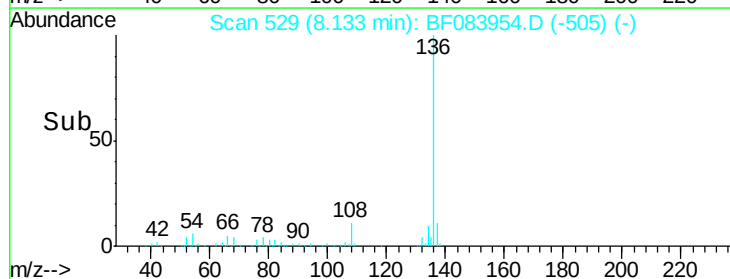
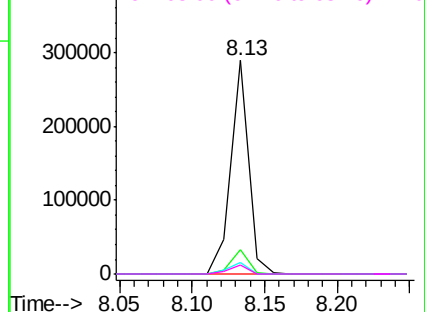


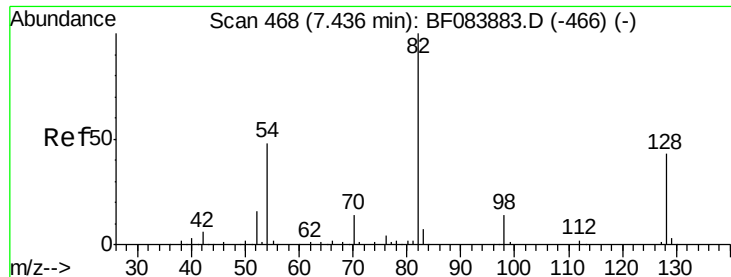
Abundance Ion 136.00 (135.70 to 136.70): E

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

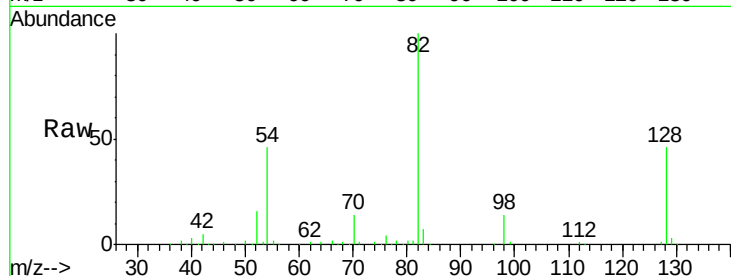




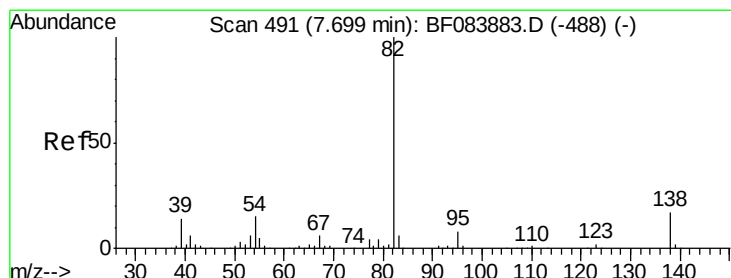
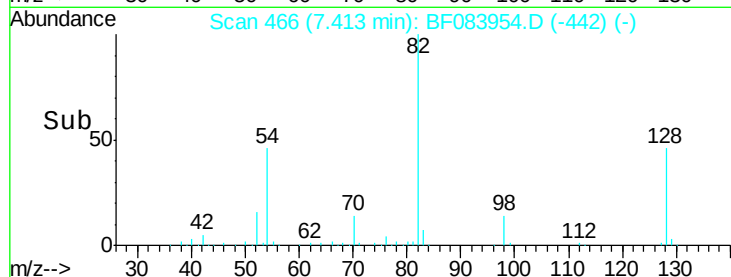
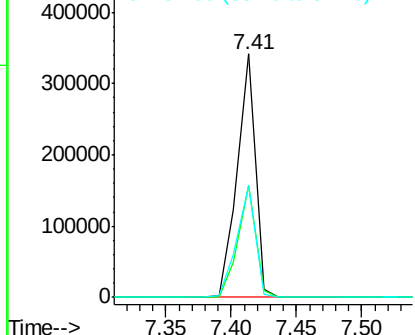
#23
 Nitrobenzene-d5
 Concen: 76.80 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.02 min
 Lab File: BF083954.D
 Acq: 19 Dec 2015 15:07

Instrument :
 BNA_F
 ClientSampleId :
 PB87359BL

Tgt Ion: 82 Resp: 331098
 Ion Ratio Lower Upper
 82 100
 128 45.8 34.6 51.8
 54 46.1 38.4 57.6

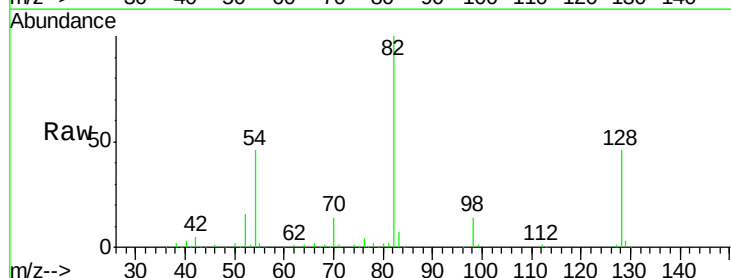


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

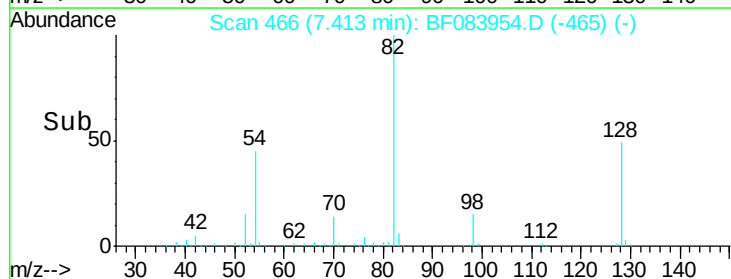
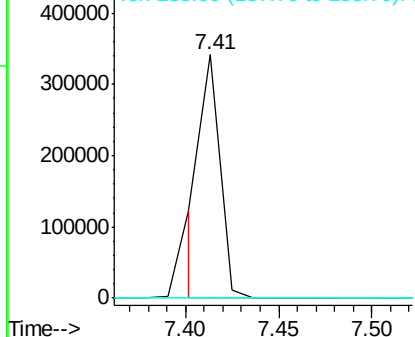


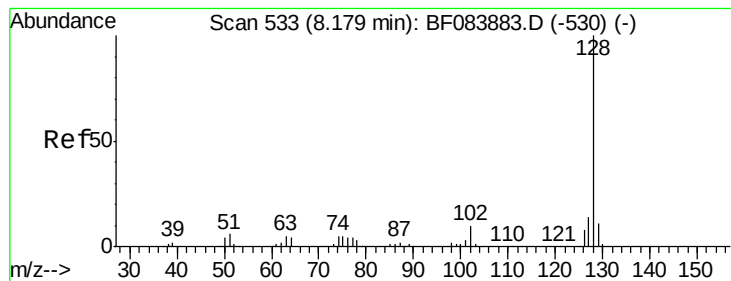
#25
 Isophorone
 Concen: 30.12 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.29 min
 Lab File: BF083954.D
 Acq: 19 Dec 2015 15:07

Tgt Ion: 82 Resp: 244323
 Ion Ratio Lower Upper
 82 100
 95 0.0 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): BF0





#31

Naphthalene

Concen: Below Cal

RT: 8.26 min Scan# 540

Delta R.T. 0.08 min

Lab File: BF083954.D

Acq: 19 Dec 2015 15:07

Instrument :

BNA_F

ClientSampleId :

PB87359BL

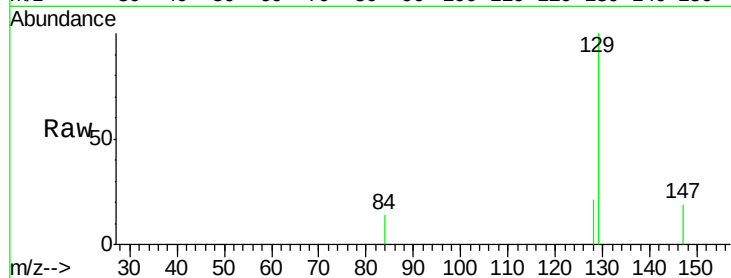
Tgt Ion:128 Resp: 364

Ion Ratio Lower Upper

128 100

129 484.2 9.1 13.7#

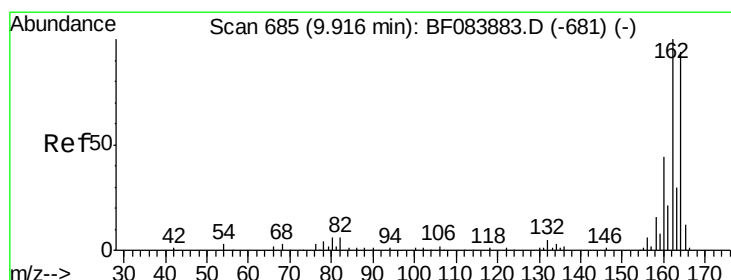
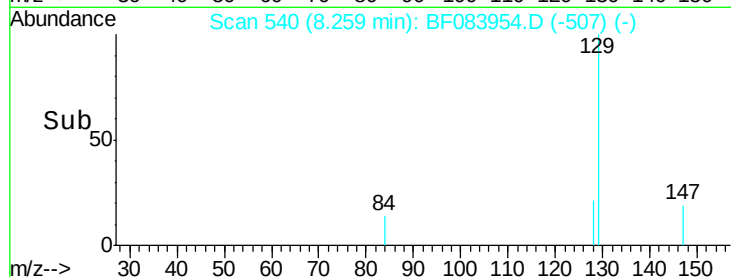
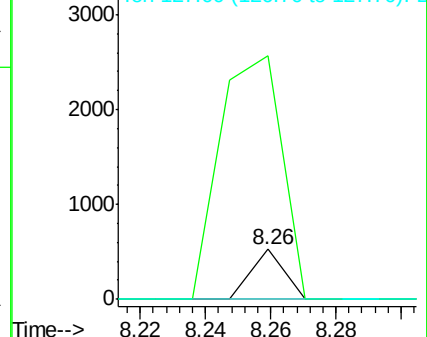
127 0.0 11.1 16.7#



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: 9.88 min Scan# 682

Delta R.T. -0.03 min

Lab File: BF083954.D

Acq: 19 Dec 2015 15:07

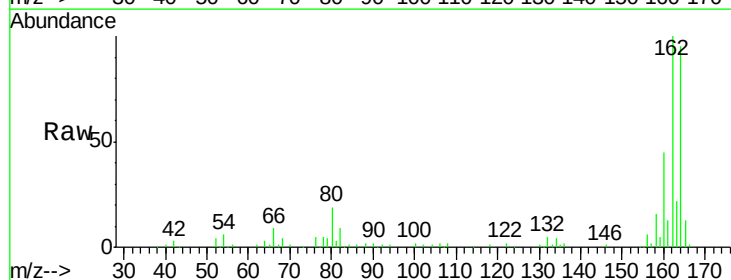
Tgt Ion:164 Resp: 114007

Ion Ratio Lower Upper

164 100

162 105.6 85.1 127.7

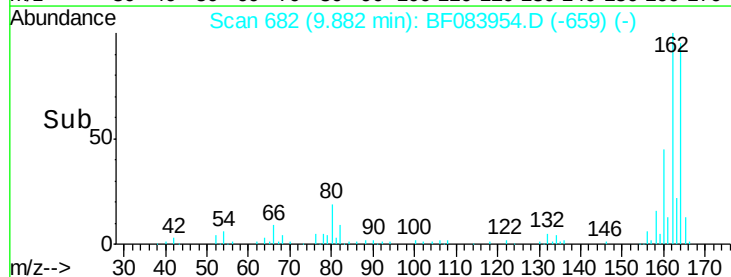
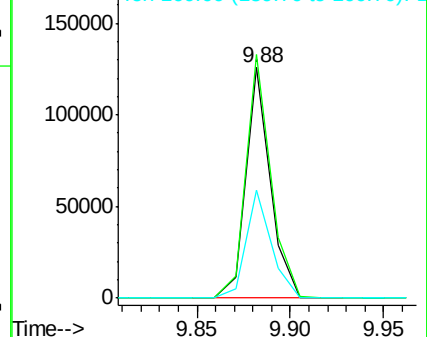
160 47.0 37.5 56.3

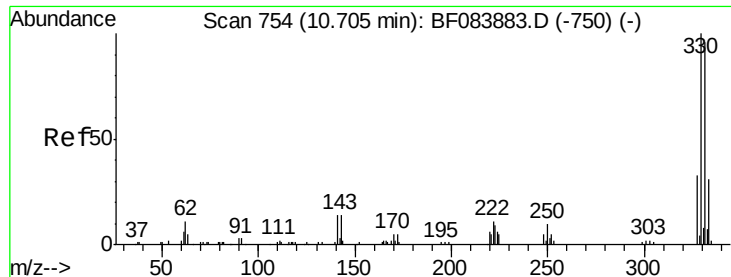


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

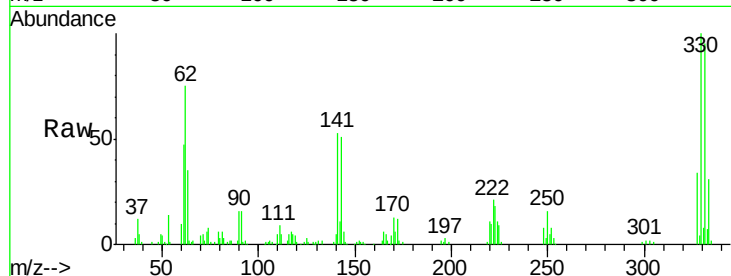




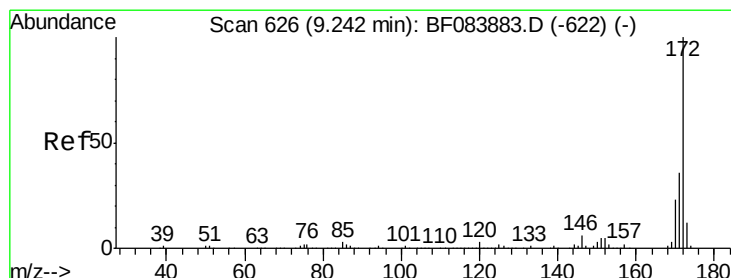
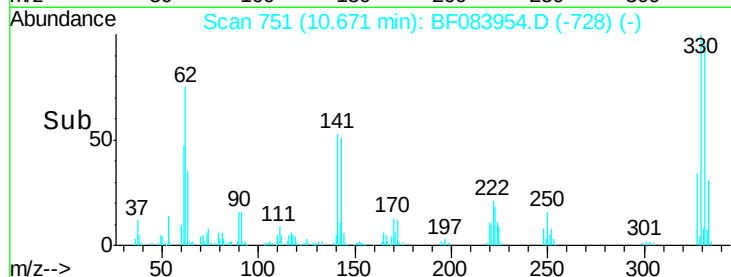
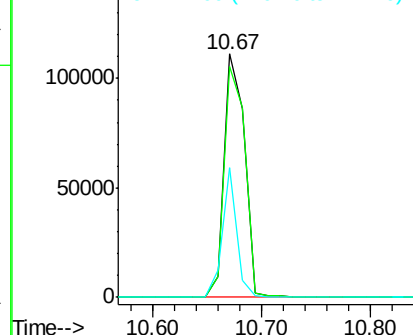
#41
 2,4,6-Tribromophenol
 Concen: 115.48 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.03 min
 Lab File: BF083954.D
 Acq: 19 Dec 2015 15:07

Instrument :
 BNA_F
 ClientSampleID :
 PB87359BL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.6	114.8
141	38.0	27.8	41.6

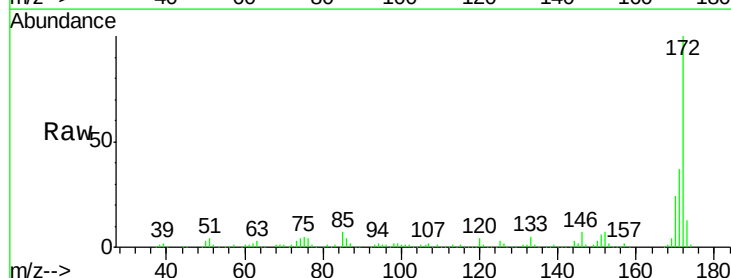


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

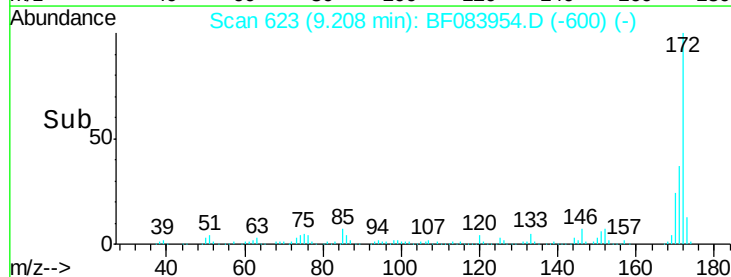
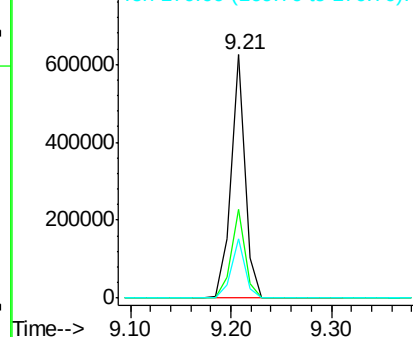


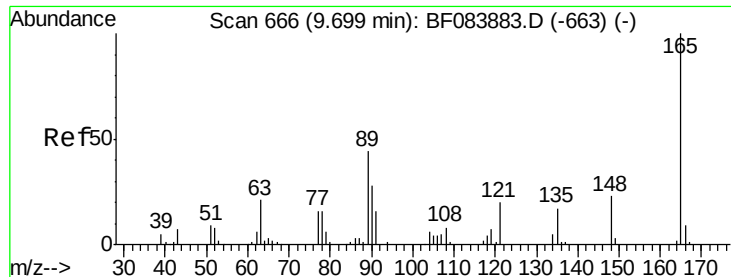
#44
 2-Fluorobiphenyl
 Concen: 73.66 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.03 min
 Lab File: BF083954.D
 Acq: 19 Dec 2015 15:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.9	43.3
170	24.4	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

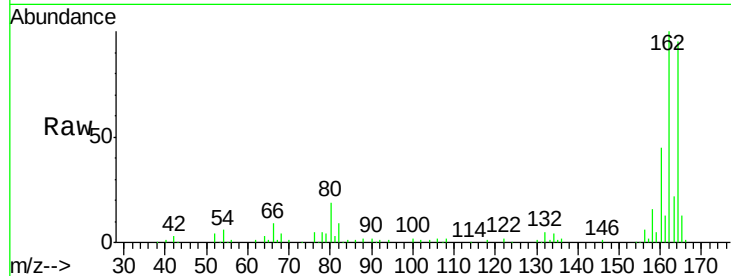




#50
 2,6-Dinitrotoluene
 Concen: 7.04 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.18 min
 Lab File: BF083954.D
 Acq: 19 Dec 2015 15:07

Instrument :
 BNA_F
 ClientSampleId :
 PB87359BL

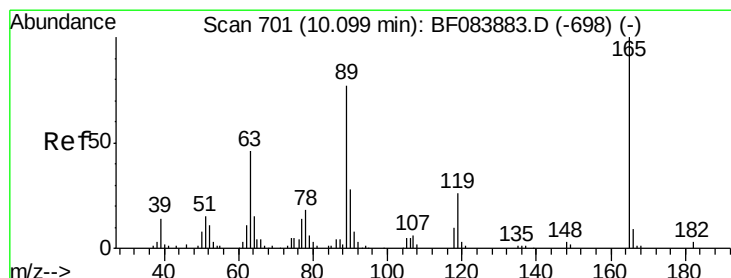
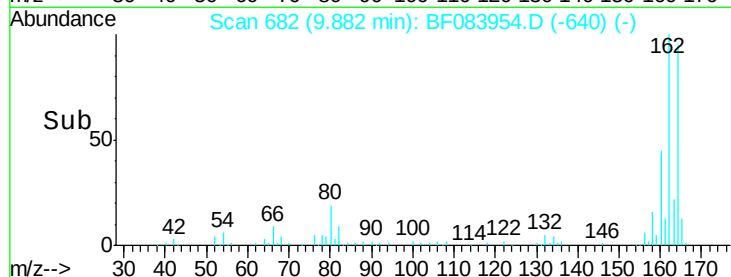
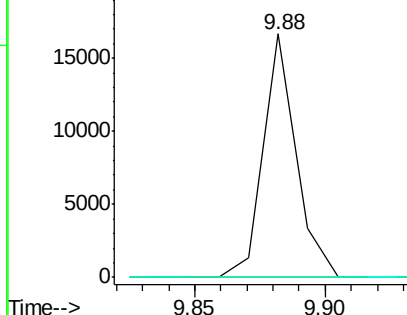
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.8	43.2#
89	0.0	35.1	52.7#



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: 5.49 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.22 min
 Lab File: BF083954.D
 Acq: 19 Dec 2015 15:07

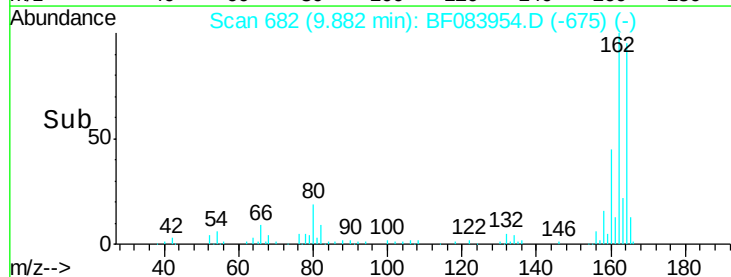
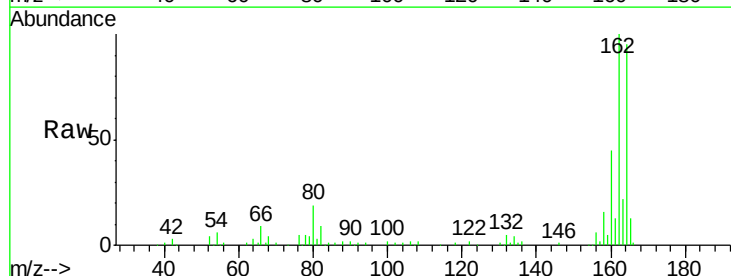
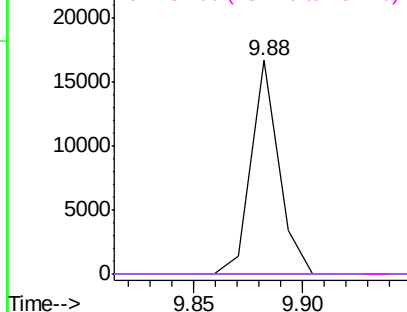
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.7	55.1#
89	0.0	61.9	92.9#
182	0.0	2.0	3.0#

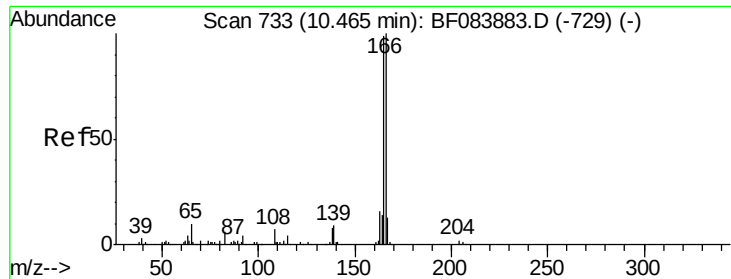
Abundance Ion 165.00 (164.70 to 165.70): E

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

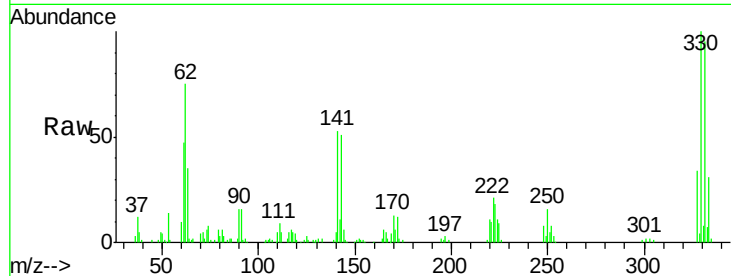




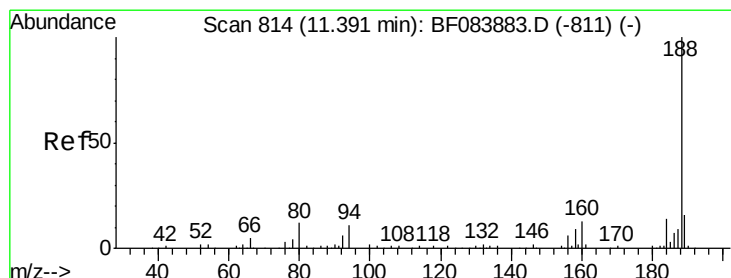
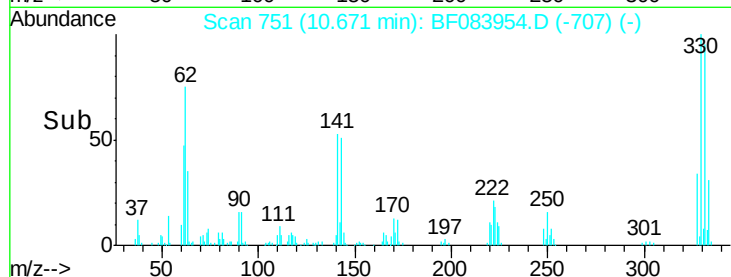
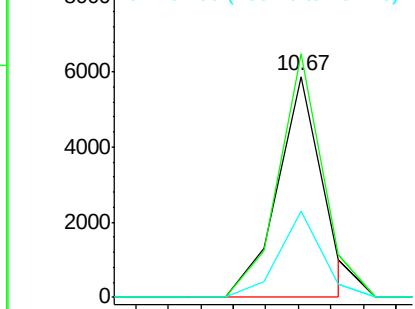
#57
 Fluorene
 Concen: Below Cal
 RT: 10.67 min Scan# 751
 Delta R.T. 0.21 min
 Lab File: BF083954.D
 Acq: 19 Dec 2015 15:07

Instrument :
 BNA_F
 ClientSampleId :
 PB87359BL

Tgt Ion:166 Resp: 5599
 Ion Ratio Lower Upper
 166 100
 165 110.2 79.1 118.7
 167 39.1 10.4 15.6#

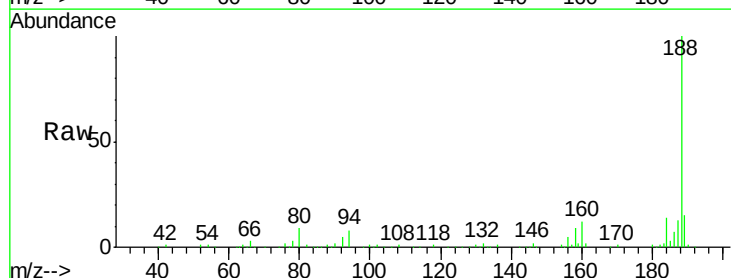


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

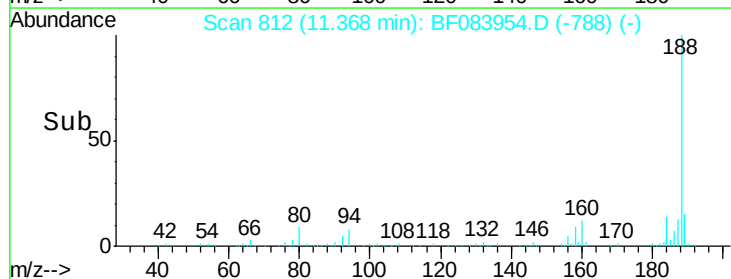
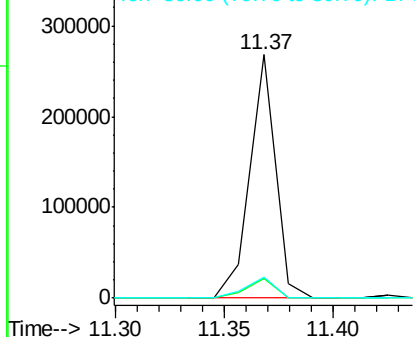


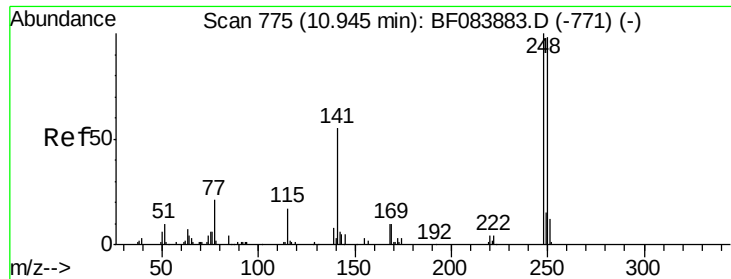
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: BF083954.D
 Acq: 19 Dec 2015 15:07

Tgt Ion:188 Resp: 221520
 Ion Ratio Lower Upper
 188 100
 94 8.0 9.0 13.4#
 80 8.6 9.6 14.4#



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: 3.50 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.27 min

Lab File: BF083954.D

Acq: 19 Dec 2015 15:07

Instrument :

BNA_F

ClientSampleId :

PB87359BL

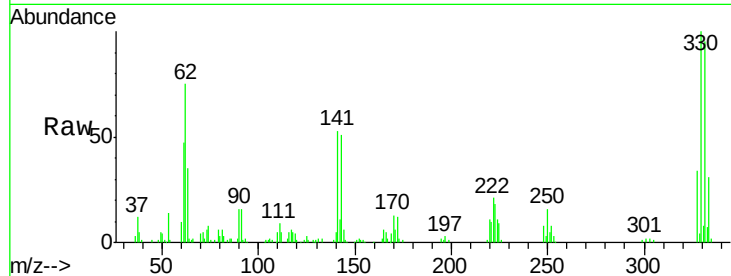
Tgt Ion:248 Resp: 9467

Ion Ratio Lower Upper

248 100

250 198.6 78.4 117.6#

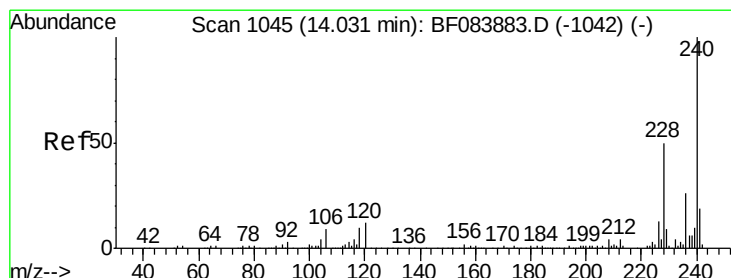
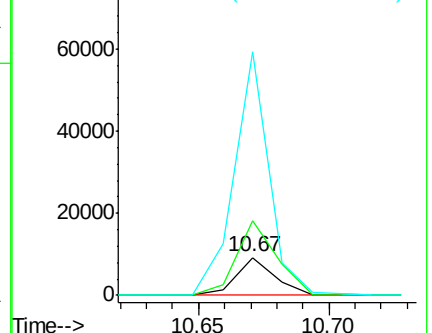
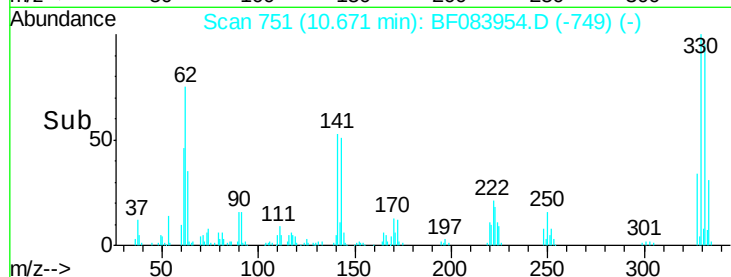
141 649.1 44.0 66.0#



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: BF083954.D

Acq: 19 Dec 2015 15:07

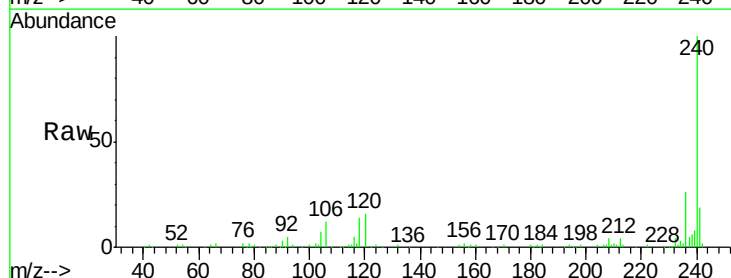
Tgt Ion:240 Resp: 182636

Ion Ratio Lower Upper

240 100

120 16.5 9.5 14.3#

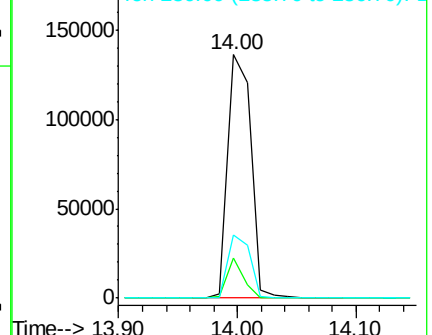
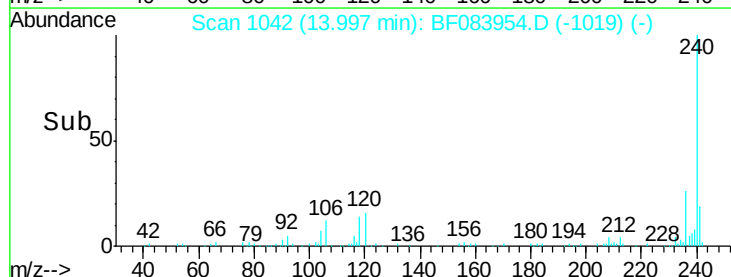
236 25.9 20.6 31.0

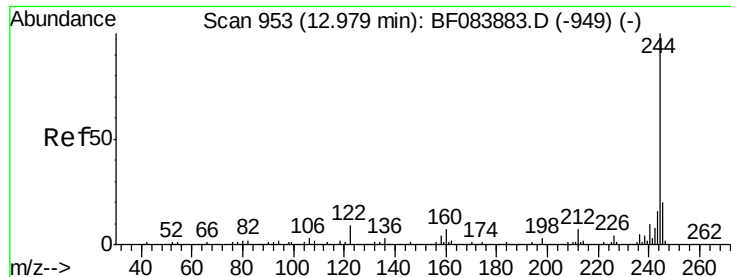


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 87.83 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.02 min

Lab File: BF083954.D

Acq: 19 Dec 2015 15:07

Instrument :

BNA_F

ClientSampleId :

PB87359BL

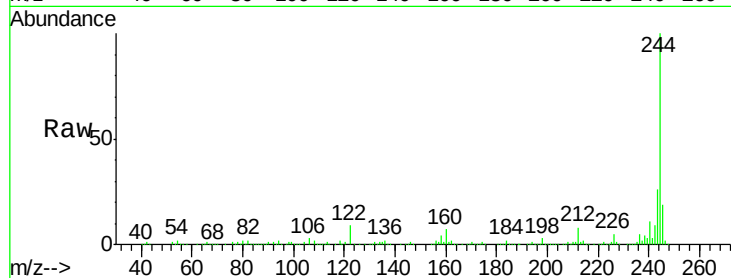
Tgt Ion:244 Resp: 684467

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

122 8.9 7.4 11.0



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

12.96

800000

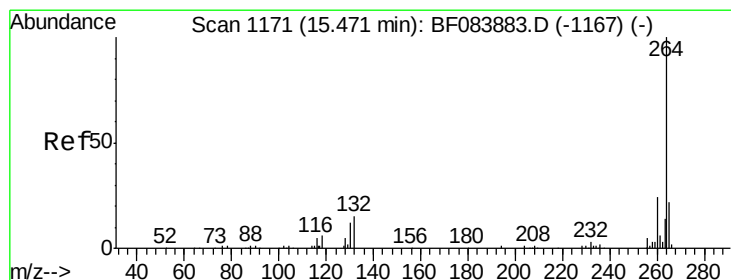
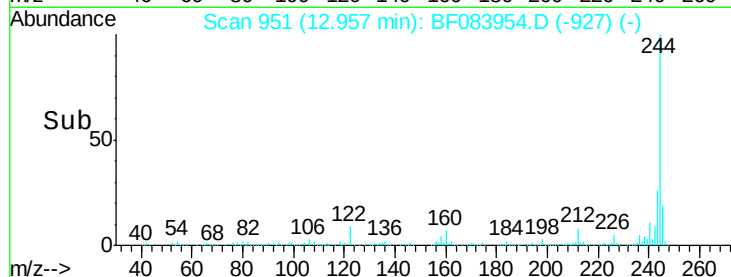
600000

400000

200000

0

Time--> 12.90 13.00



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.03 min

Lab File: BF083954.D

Acq: 19 Dec 2015 15:07

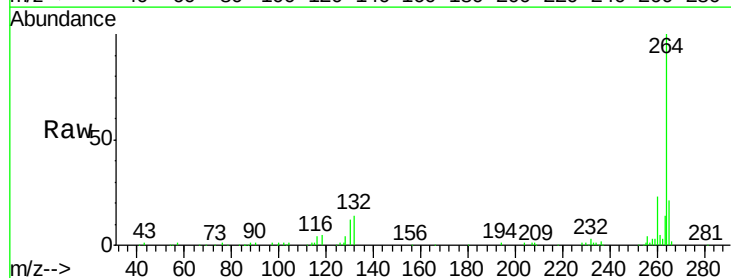
Tgt Ion:264 Resp: 136577

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

265 20.8 17.8 26.6



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

15.44

100000

50000

0

Time--> 15.40 15.50 15.60

