

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121615\
 Data File : BF083853.D
 Acq On : 16 Dec 2015 17:33
 Operator : UM/SJ
 Sample : G4793-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-02-121115

Quant Time: Dec 17 03:24:10 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 14 01:30:12 2015
 Response via : Initial Calibration

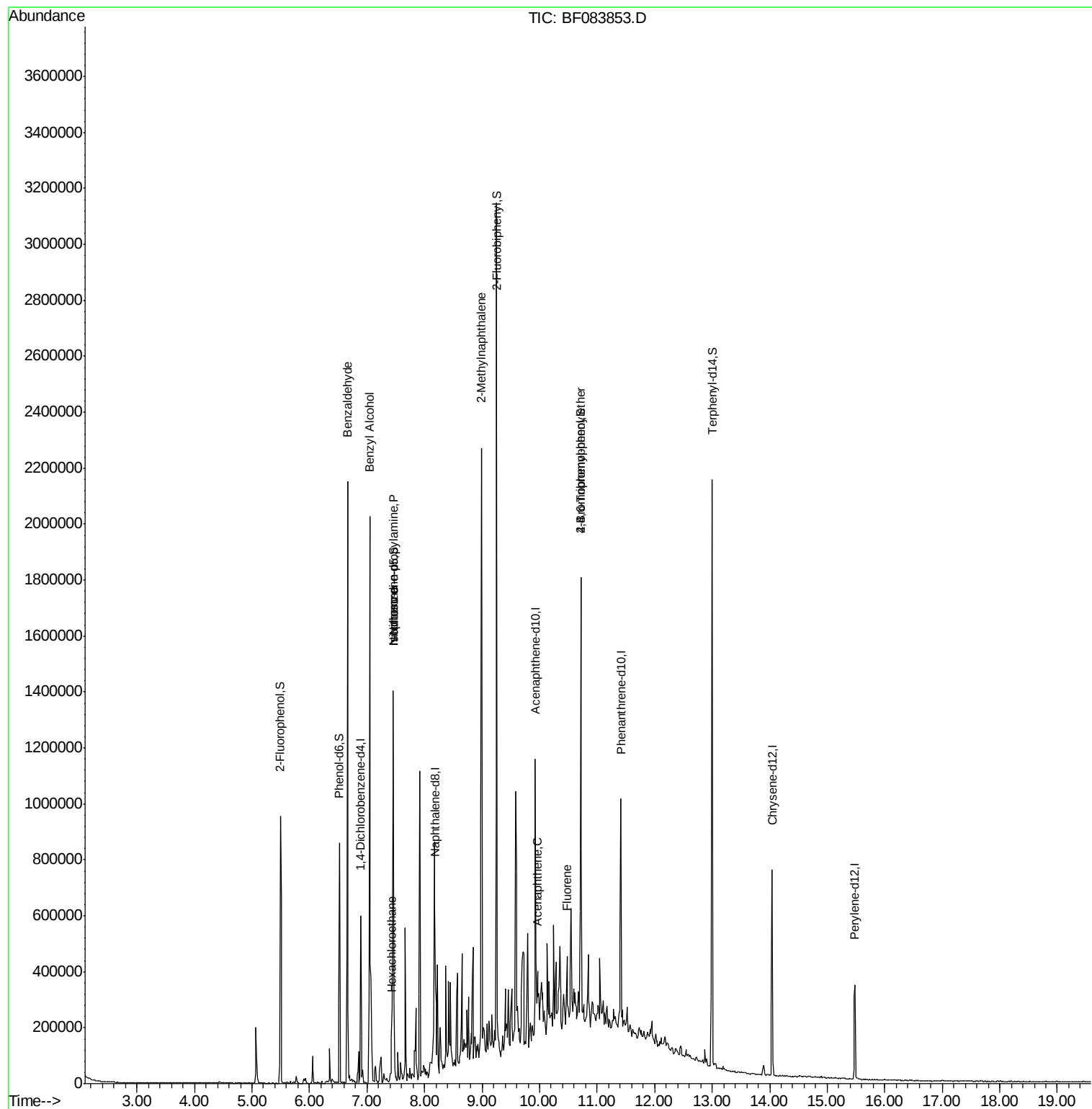
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	87337	20.00	ng	-0.03
21) Naphthalene-d8	8.18	136	345391	20.00	ng	-0.03
38) Acenaphthene-d10	9.93	164	177437	20.00	ng	-0.03
63) Phenanthrene-d10	11.41	188	306443	20.00	ng	-0.03
75) Chrysene-d12	14.04	240	254205	20.00	ng	-0.03
86) Perylene-d12	15.48	264	182964	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	361830	66.84	ng	-0.03
7) Phenol-d6	6.52	99	312523	45.59	ng	-0.02
23) Nitrobenzene-d5	7.46	82	595195	96.41	ng	-0.02
41) 2,4,6-Tribromophenol	10.72	330	240088	132.79	ng	-0.03
44) 2-Fluorobiphenyl	9.25	172	950513	76.03	ng	-0.03
78) Terphenyl-d14	13.00	244	1012633	85.69	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.66	77	13459	3.66	ng	92
15) Benzyl Alcohol	7.05	79	10967	2.18	ng	# 48
18) Hexachloroethane	7.42	117	46962	19.38	ng	# 1
19) n-Nitroso-di-n-propylamine	7.46	70	82310	19.61	ng	# 65
25) Isophorone	7.46	82	552561	45.62	ng	# 69
37) 2-Methylnaphthalene	8.99	142	595889	52.72	ng	94
51) Acenaphthene	9.96	154	44847	3.80	ng	93
57) Fluorene	10.48	166	65443	5.31	ng	98
66) 4-Bromophenyl-phenylether	10.72	248	15402	4.49	ng	# 1

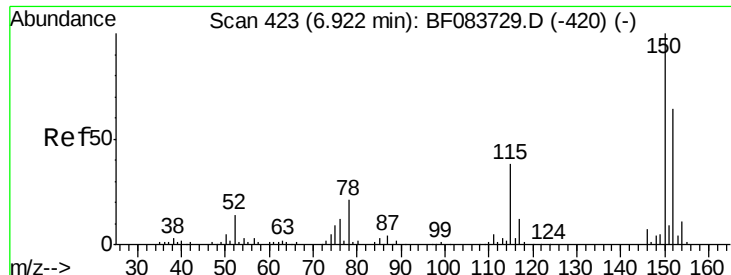
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.03 min

Lab File: BF083853.D

Acq: 16 Dec 2015 17:33

Instrument :

BNA_F

ClientSampleId :

MW-02-121115

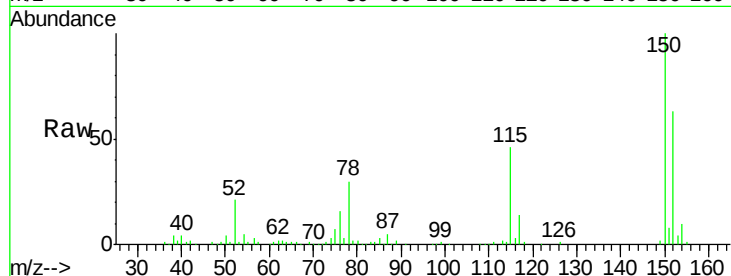
Tgt Ion:152 Resp: 87337

Ion Ratio Lower Upper

152 100

150 158.6 126.5 189.7

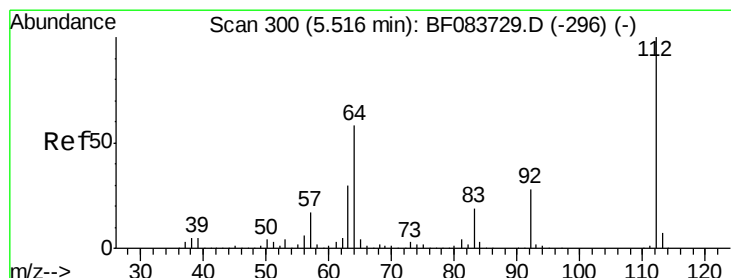
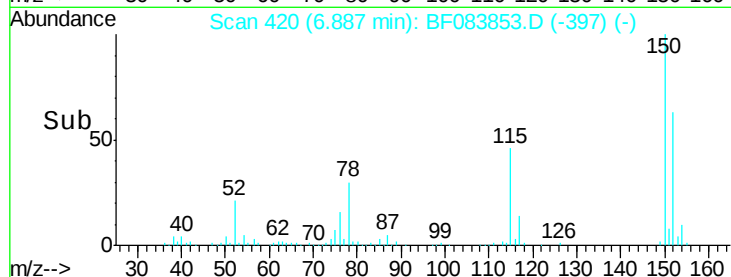
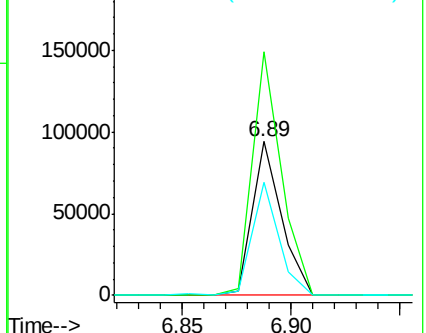
115 73.7 52.3 78.5



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: 66.84 ng

RT: 5.49 min Scan# 298

Delta R.T. -0.03 min

Lab File: BF083853.D

Acq: 16 Dec 2015 17:33

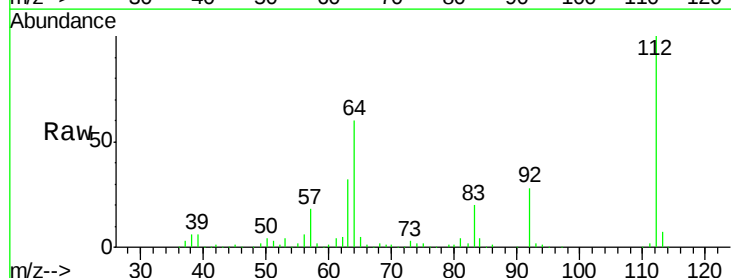
Tgt Ion:112 Resp: 361830

Ion Ratio Lower Upper

112 100

64 60.5 50.5 75.7

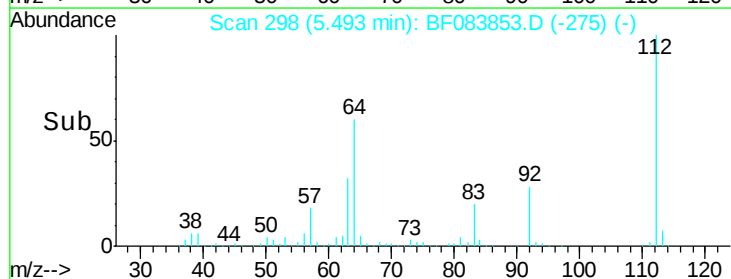
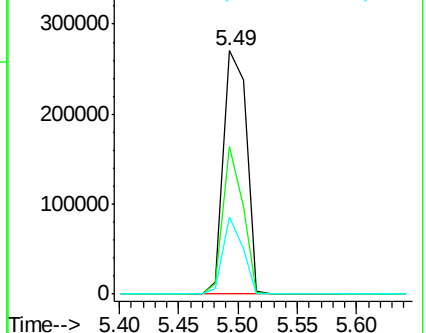
63 31.8 25.8 38.6



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: 45.59 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.02 min

Lab File: BF083853.D

Acq: 16 Dec 2015 17:33

Instrument :

BNA_F

ClientSampleId :

MW-02-121115

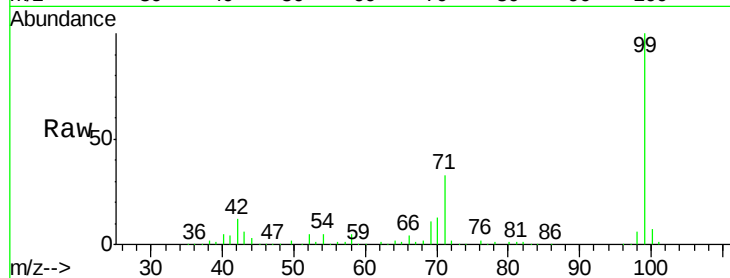
Tgt Ion: 99 Resp: 312523

Ion Ratio Lower Upper

99 100

42 12.4 17.3 25.9#

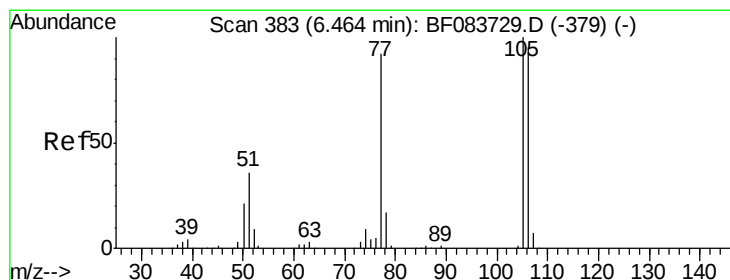
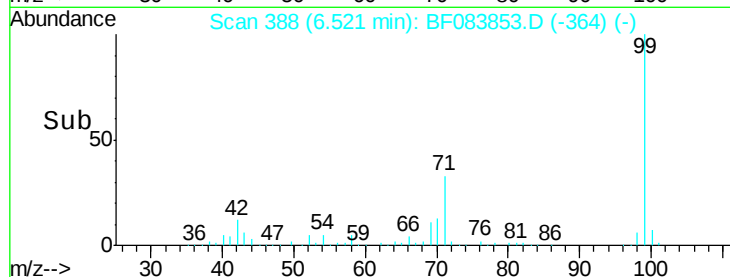
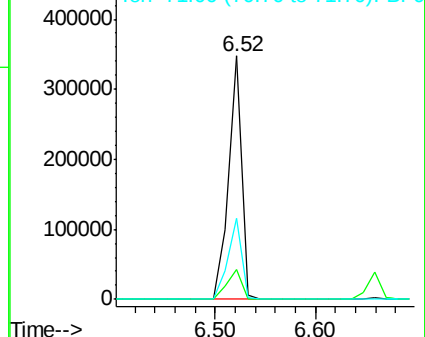
71 33.3 26.6 40.0



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: 3.66 ng

RT: 6.66 min Scan# 400

Delta R.T. 0.19 min

Lab File: BF083853.D

Acq: 16 Dec 2015 17:33

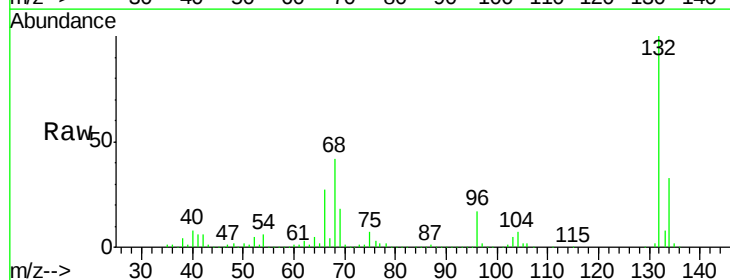
Tgt Ion: 77 Resp: 13459

Ion Ratio Lower Upper

77 100

105 83.2 71.8 111.8

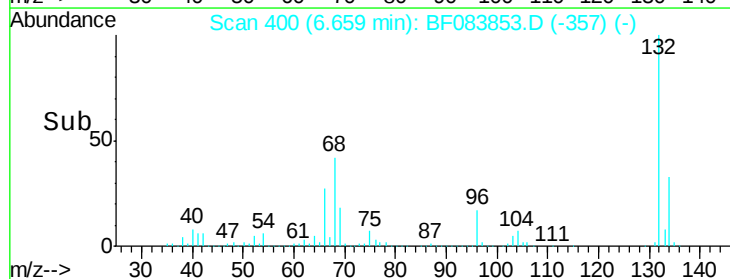
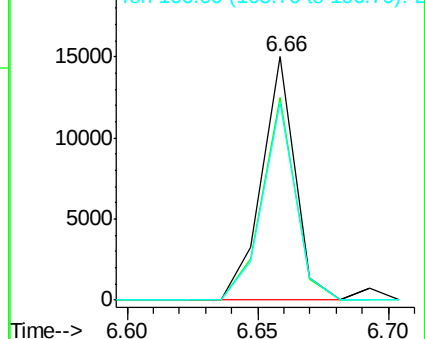
106 81.2 66.8 106.8

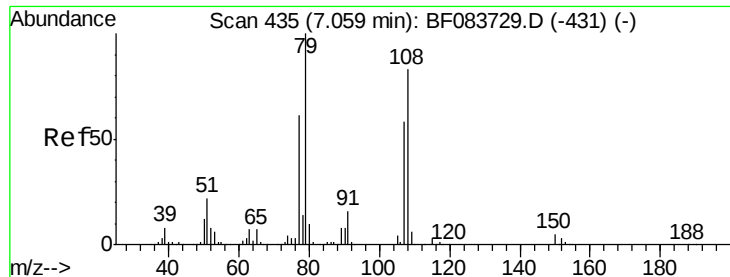


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.18 ng

RT: 7.05 min Scan# 434

Delta R.T. -0.01 min

Lab File: BF083853.D

Acq: 16 Dec 2015 17:33

Instrument :

BNA_F

ClientSampleId :

MW-02-121115

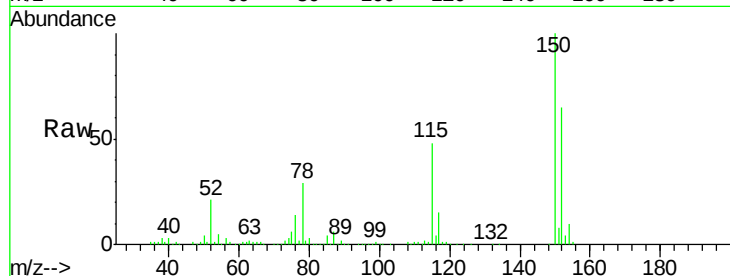
Tgt Ion: 79 Resp: 10967

Ion Ratio Lower Upper

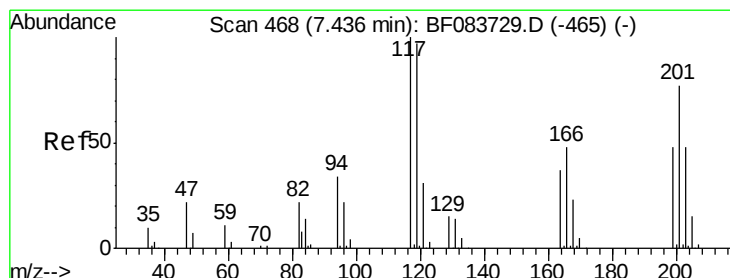
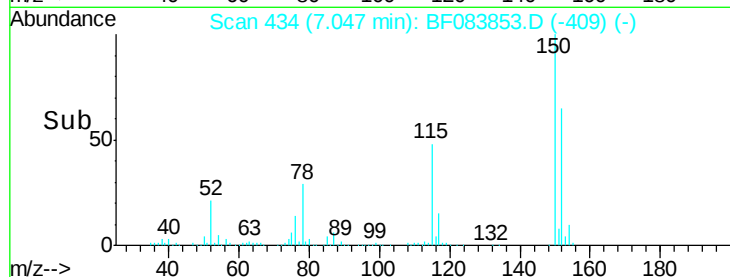
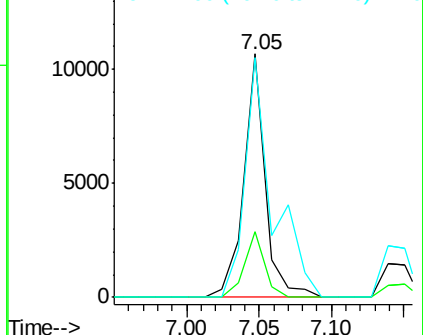
79 100

108 26.9 59.6 89.4#

77 98.3 49.8 74.6#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): B
Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 19.38 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.02 min

Lab File: BF083853.D

Acq: 16 Dec 2015 17:33

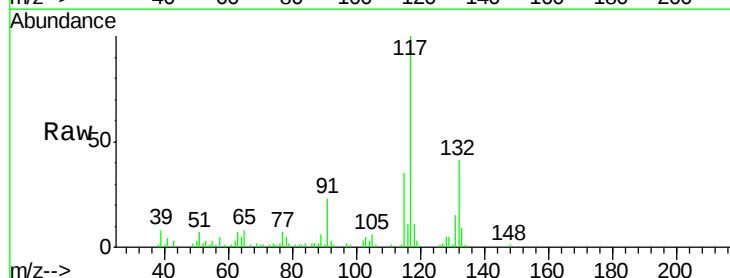
Tgt Ion: 117 Resp: 46962

Ion Ratio Lower Upper

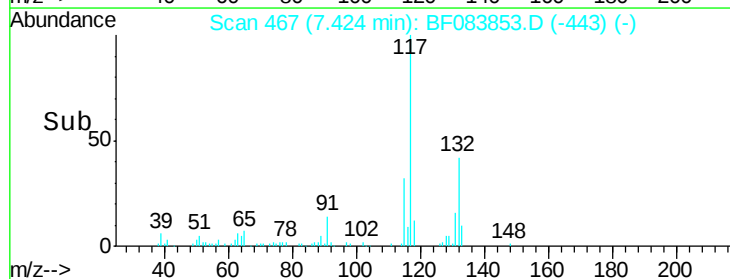
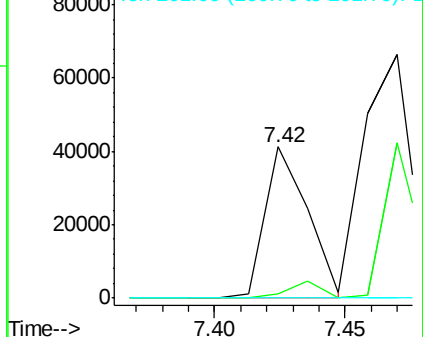
117 100

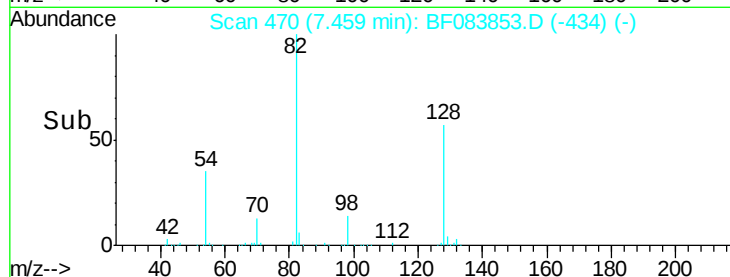
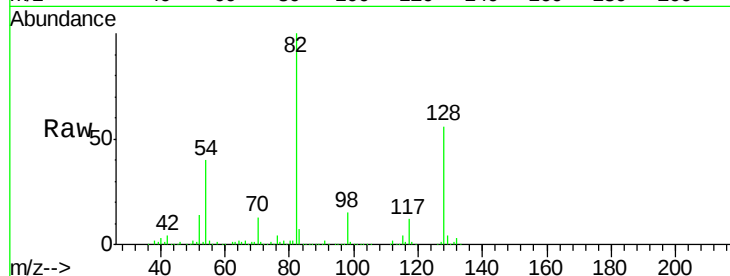
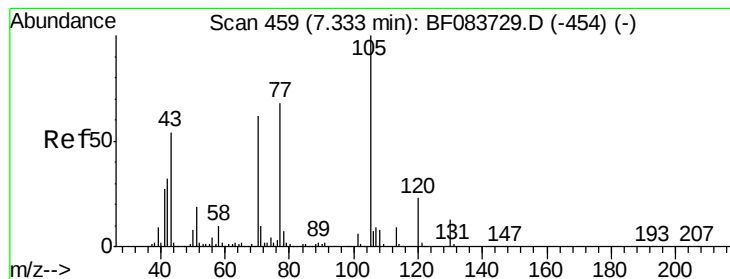
119 2.9 77.2 115.8#

201 0.0 86.8 130.2#



Abundance Ion 117.00 (116.70 to 117.70): B
Ion 119.00 (118.70 to 119.70): B
Ion 201.00 (200.70 to 201.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 19.61 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.11 min

Lab File: BF083853.D

Acq: 16 Dec 2015 17:33

Instrument :

BNA_F

ClientSampleId :

MW-02-121115

Tgt Ion: 70 Resp: 82310

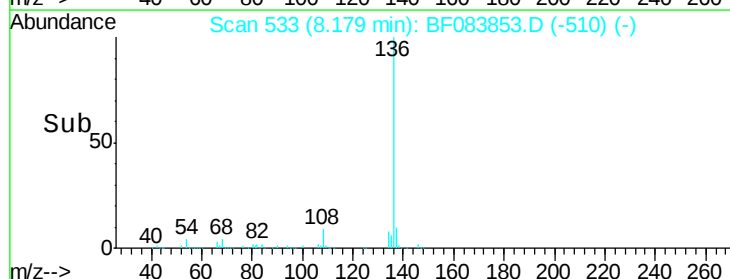
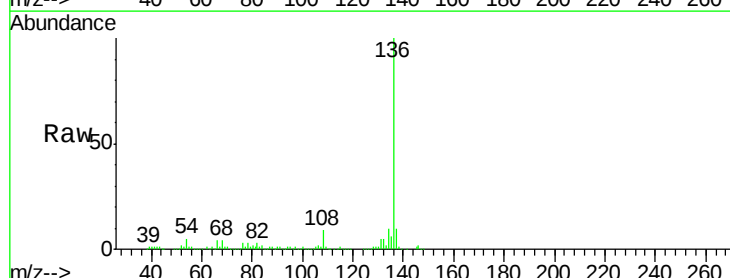
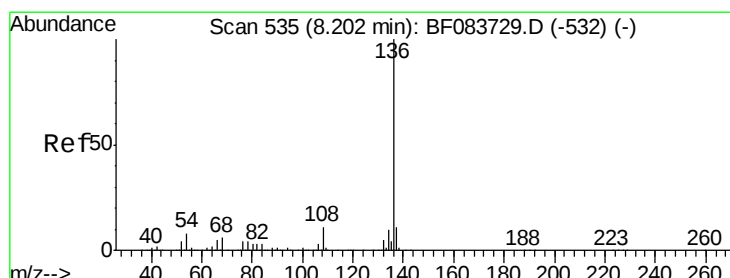
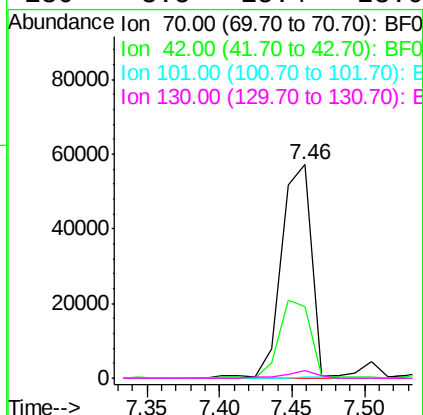
Ion Ratio Lower Upper

70 100

42 33.8 49.2 73.8#

101 0.7 7.1 10.7#

130 3.5 15.4 23.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.03 min

Lab File: BF083853.D

Acq: 16 Dec 2015 17:33

Tgt Ion:136 Resp: 345391

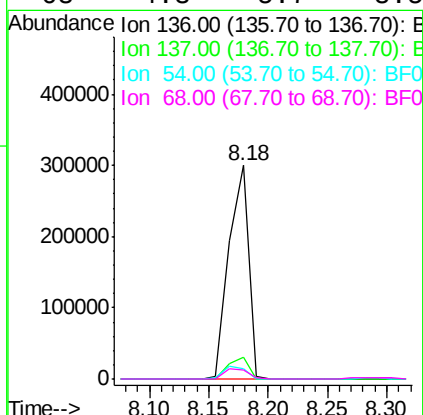
Ion Ratio Lower Upper

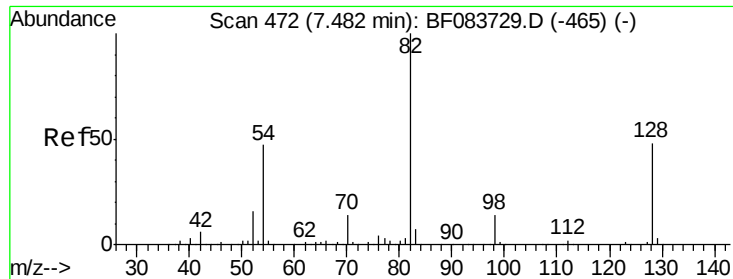
136 100

137 10.4 8.7 13.1

54 4.7 7.8 11.6#

68 4.3 5.7 8.5#

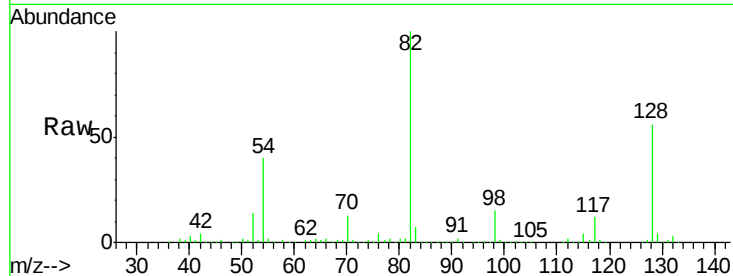




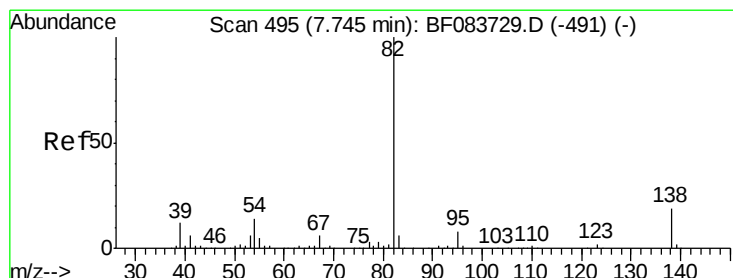
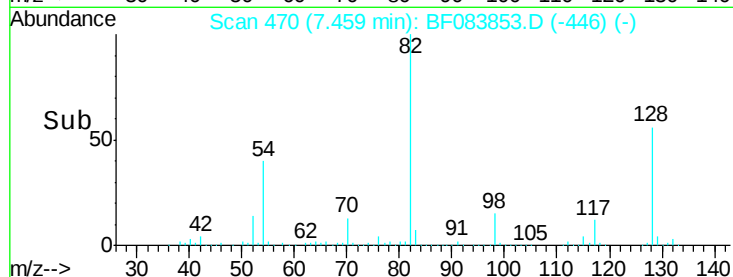
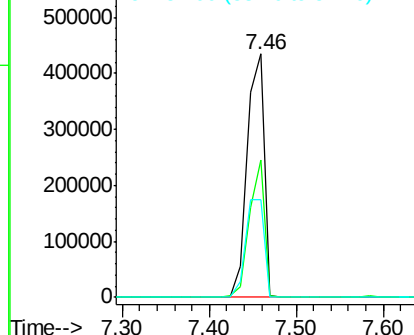
#23
Nitrobenzene-d5
Concen: 96.41 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.02 min
Lab File: BF083853.D
Acq: 16 Dec 2015 17:33

Instrument :
BNA_F
ClientSampleId :
MW-02-121115

Tgt Ion: 82 Resp: 595195
Ion Ratio Lower Upper
82 100
128 56.5 30.7 46.1#
54 40.0 42.5 63.7#

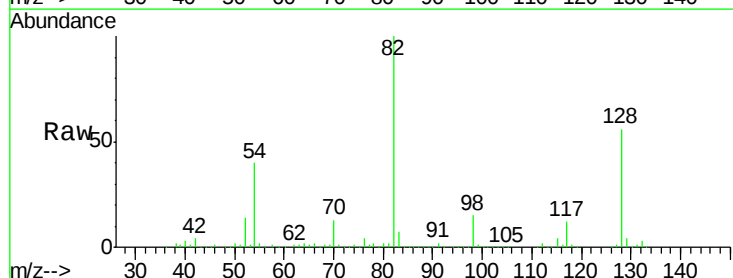


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

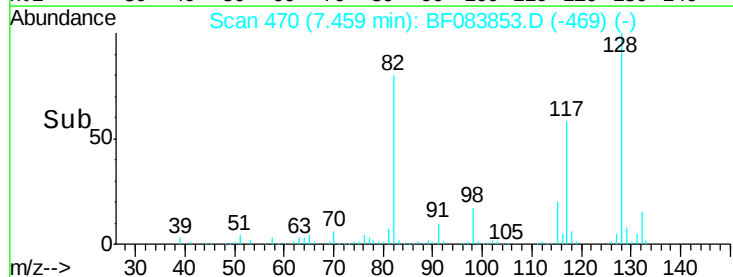
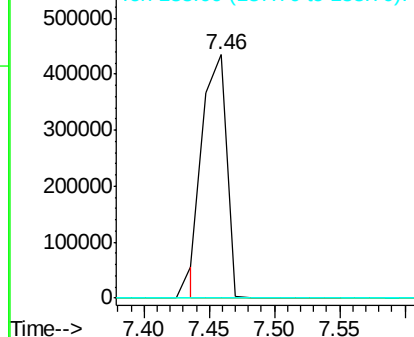


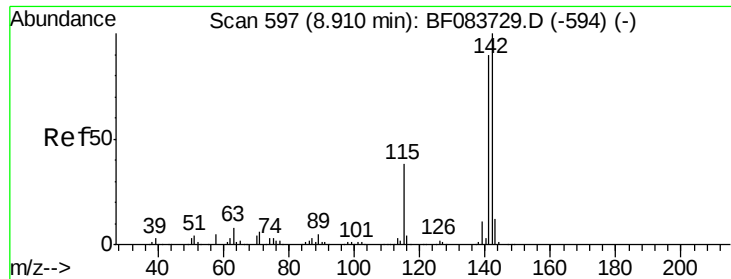
#25
Isophorone
Concen: 45.62 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.29 min
Lab File: BF083853.D
Acq: 16 Dec 2015 17:33

Tgt Ion: 82 Resp: 552561
Ion Ratio Lower Upper
82 100
95 0.1 5.0 7.4#
138 0.0 12.1 18.1#



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

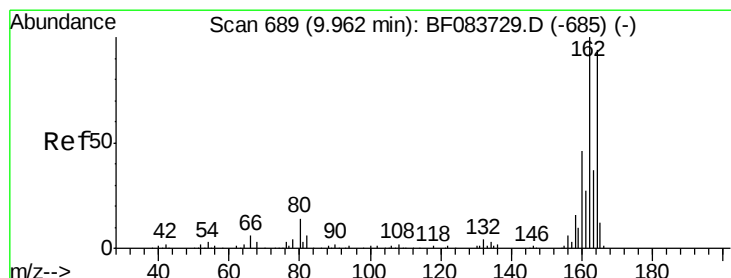
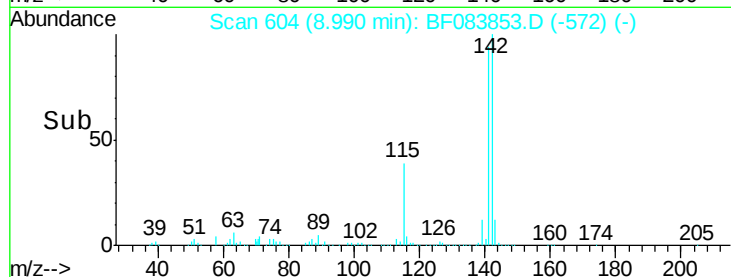
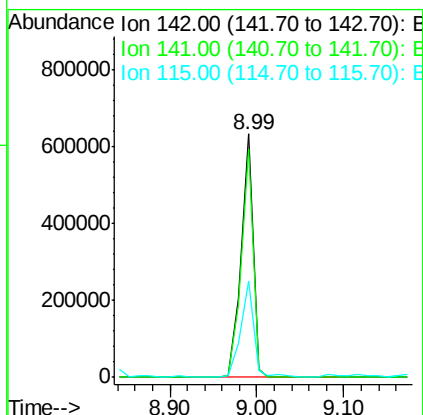
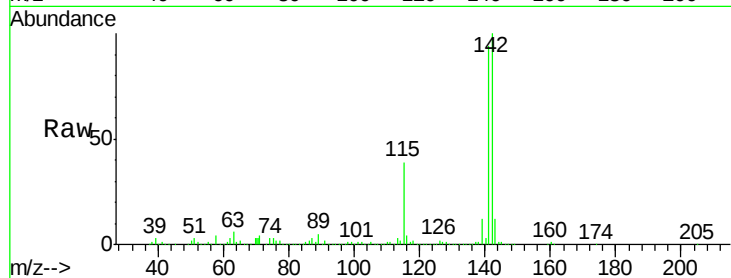




#37
 2-Methylnaphthalene
 Concen: 52.72 ng
 RT: 8.99 min Scan# 604
 Delta R.T. 0.07 min
 Lab File: BF083853.D
 Acq: 16 Dec 2015 17:33

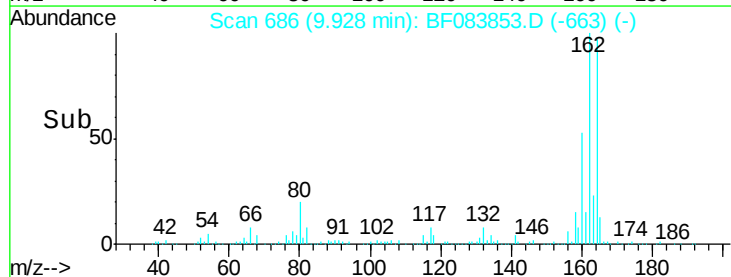
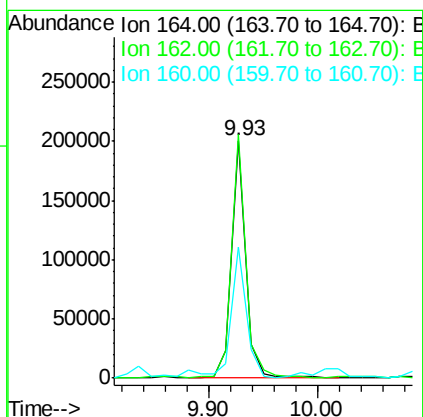
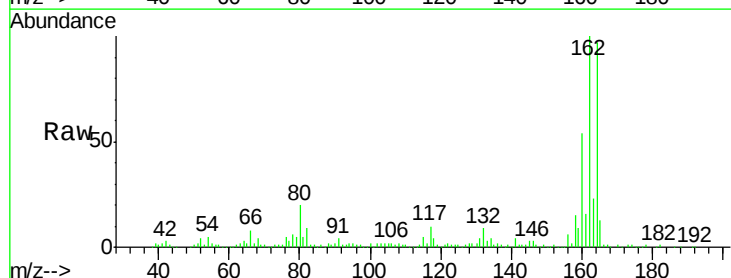
Instrument :
 BNA_F
 ClientSampleId :
 MW-02-121115

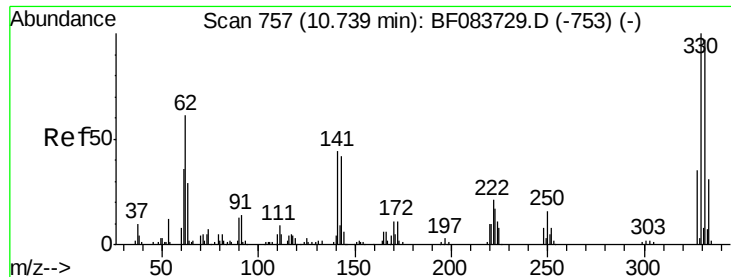
Tgt Ion:142 Resp: 595889
 Ion Ratio Lower Upper
 142 100
 141 93.9 70.3 105.5
 115 39.4 29.2 43.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.03 min
 Lab File: BF083853.D
 Acq: 16 Dec 2015 17:33

Tgt Ion:164 Resp: 177437
 Ion Ratio Lower Upper
 164 100
 162 102.6 78.8 118.2
 160 55.2 33.4 50.2#

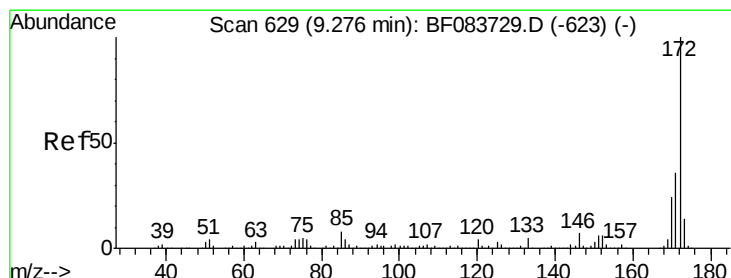
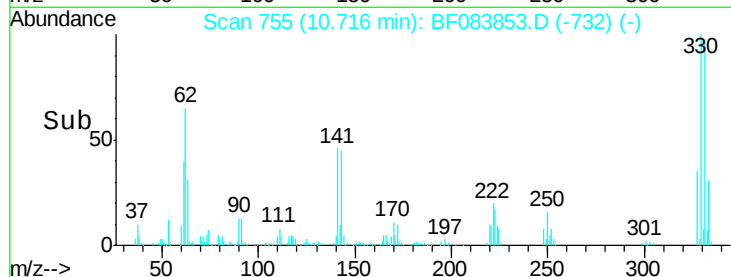
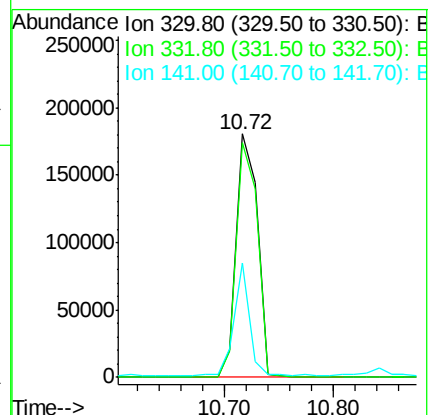
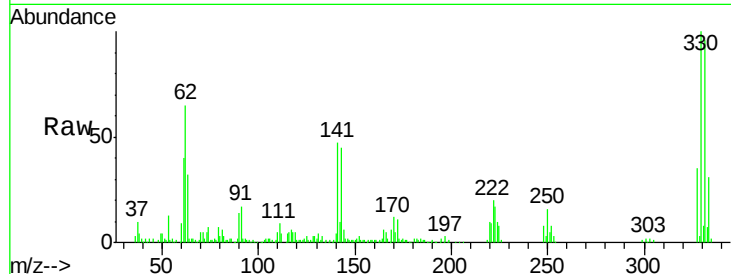




#41
 2,4,6-Tribromophenol
 Concen: 132.79 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.03 min
 Lab File: BF083853.D
 Acq: 16 Dec 2015 17:33

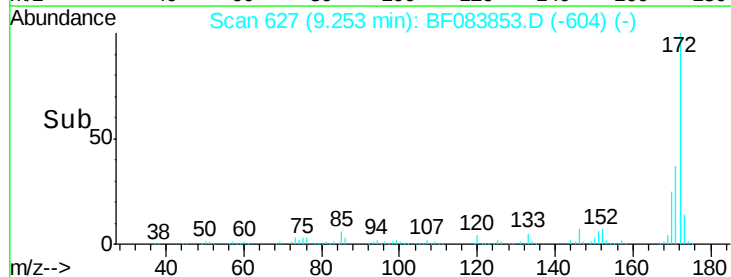
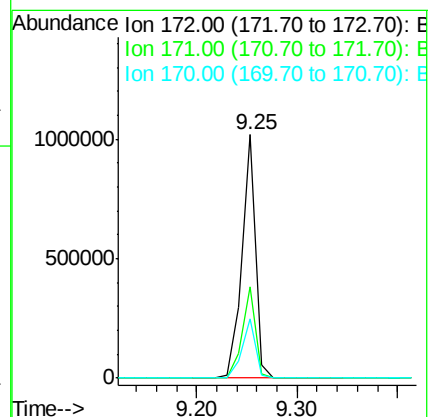
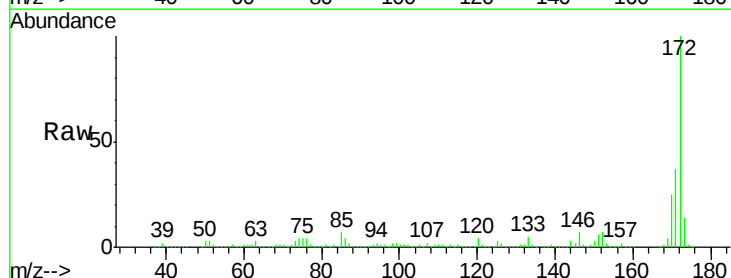
Instrument :
 BNA_F
 ClientSampleId :
 MW-02-121115

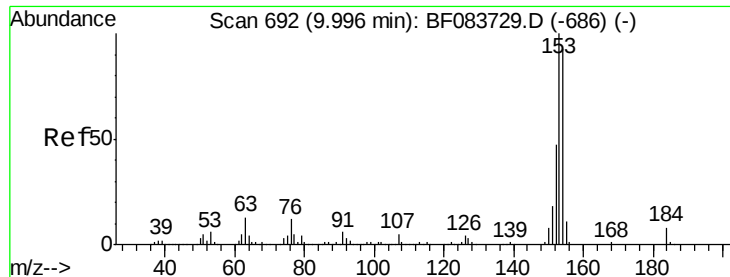
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	240088		
332	96.6	0.0	0.0	0.0#
141	33.8	0.0	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 76.03 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.03 min
 Lab File: BF083853.D
 Acq: 16 Dec 2015 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	950513		
171	37.4	28.6	42.8	
170	24.6	19.4	29.0	





#51

Acenaphthene

Concen: 3.80 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.03 min

Lab File: BF083853.D

Acq: 16 Dec 2015 17:33

Instrument :

BNA_F

ClientSampleId :

MW-02-121115

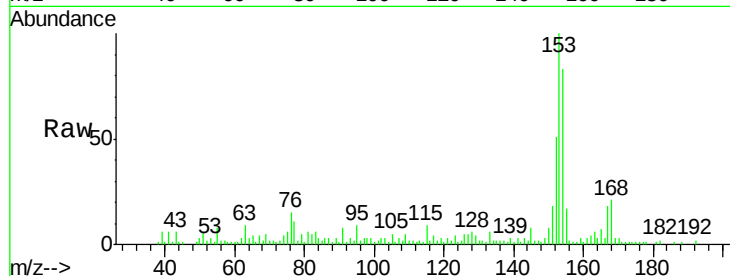
Tgt Ion:154 Resp: 44847

Ion Ratio Lower Upper

154 100

153 120.3 91.4 137.0

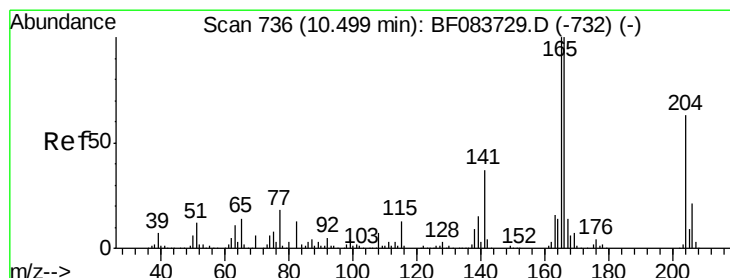
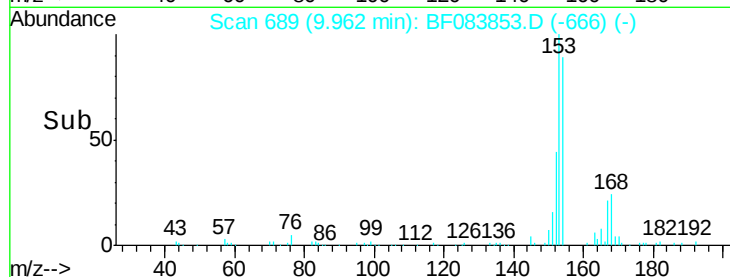
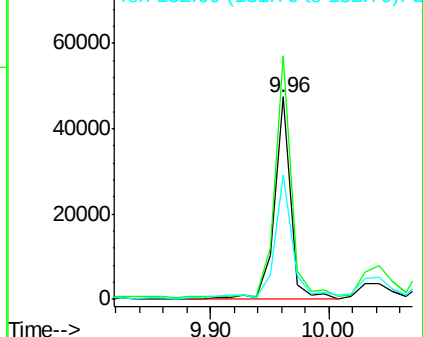
152 61.2 43.4 65.2



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



#57

Fluorene

Concen: 5.31 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.03 min

Lab File: BF083853.D

Acq: 16 Dec 2015 17:33

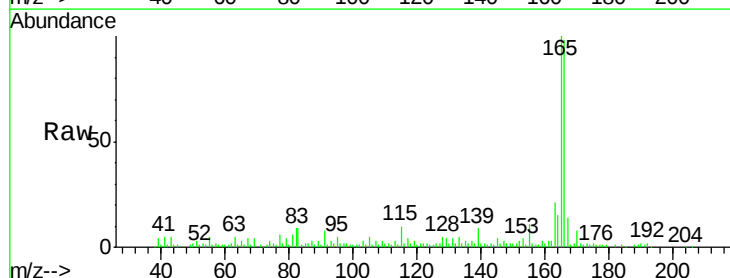
Tgt Ion:166 Resp: 65443

Ion Ratio Lower Upper

166 100

165 101.8 80.0 120.0

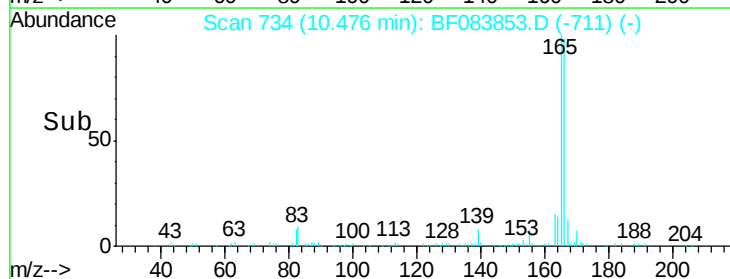
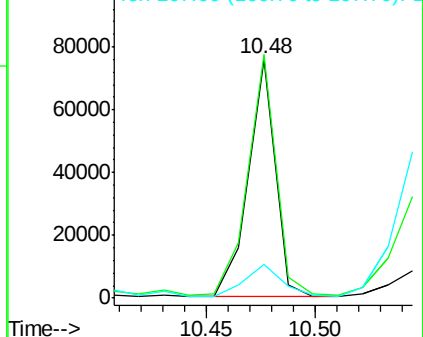
167 14.0 10.6 16.0

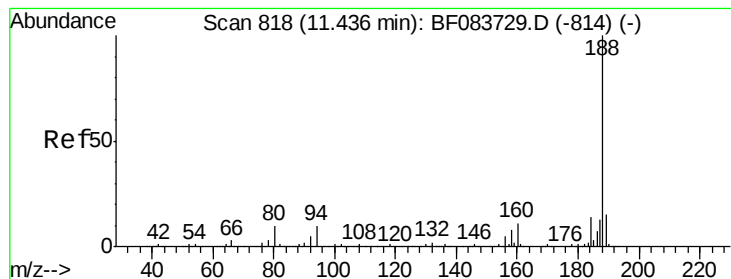


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.41 min Scan# 816

Delta R.T. -0.03 min

Lab File: BF083853.D

Acq: 16 Dec 2015 17:33

Instrument :

BNA_F

ClientSampleId :

MW-02-121115

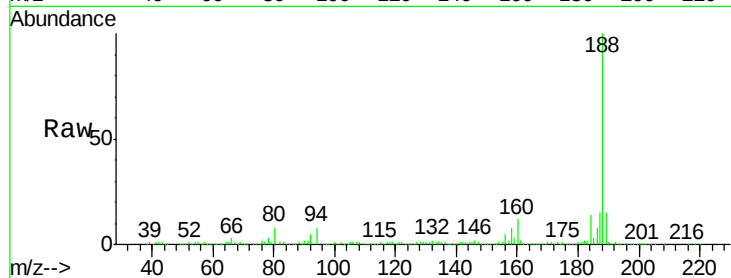
Tgt Ion:188 Resp: 306443

Ion Ratio Lower Upper

188 100

94 8.2 9.4 14.2#

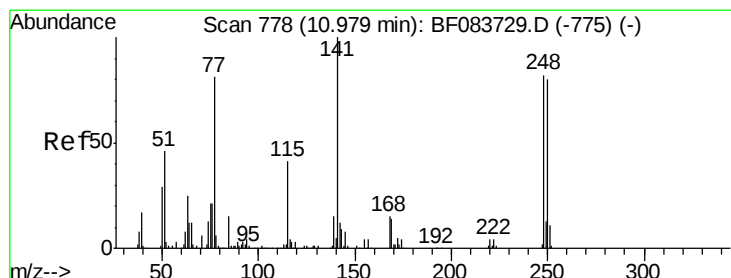
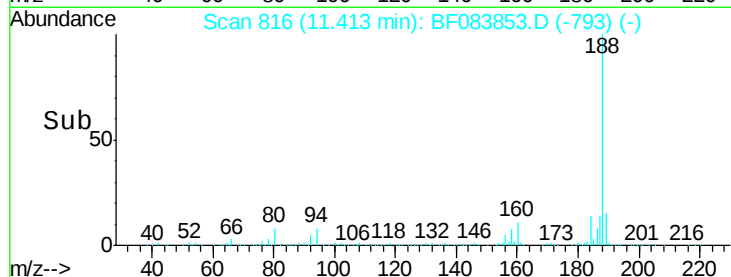
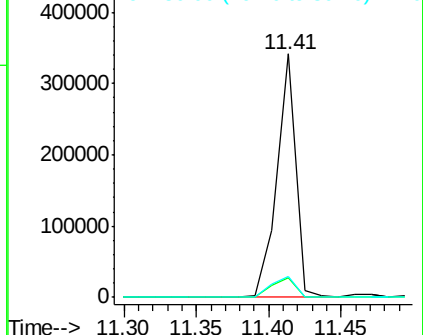
80 8.4 10.6 16.0#



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: 4.49 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.27 min

Lab File: BF083853.D

Acq: 16 Dec 2015 17:33

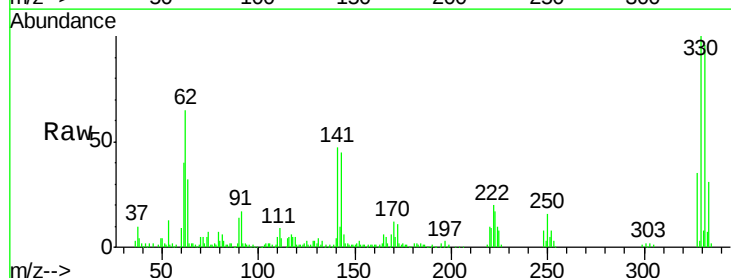
Tgt Ion:248 Resp: 15402

Ion Ratio Lower Upper

248 100

250 197.3 79.2 118.8#

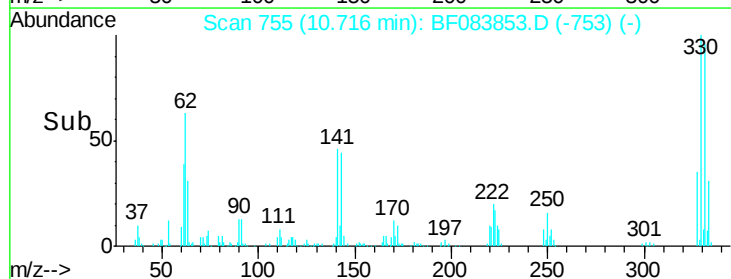
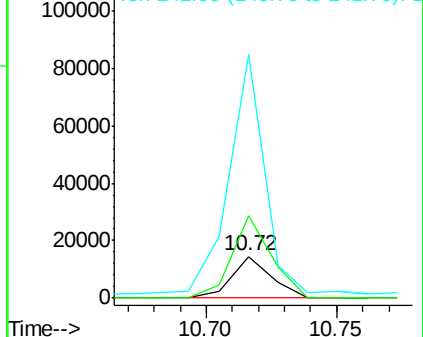
141 584.0 58.2 87.4#

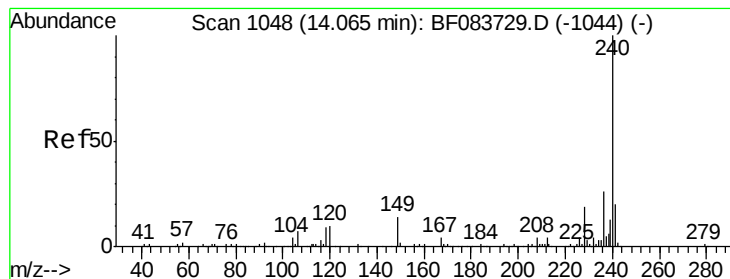


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.04 min Scan# 1046

Delta R.T. -0.03 min

Lab File: BF083853.D

Acq: 16 Dec 2015 17:33

Instrument :

BNA_F

ClientSampleId :

MW-02-121115

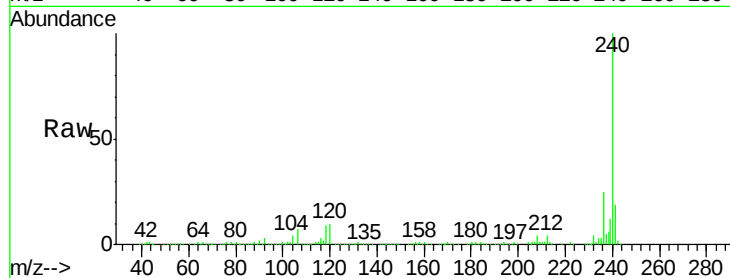
Tgt Ion:240 Resp: 254205

Ion Ratio Lower Upper

240 100

120 10.4 8.1 12.1

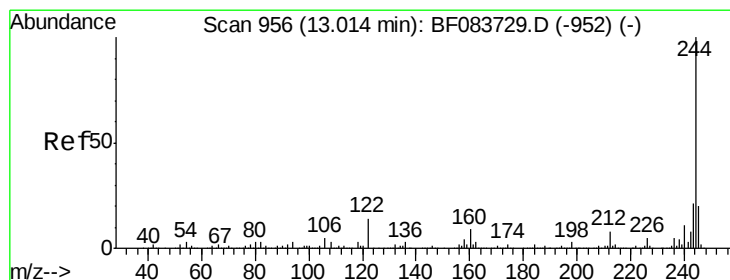
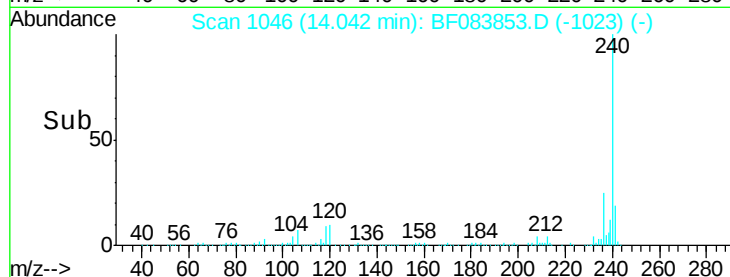
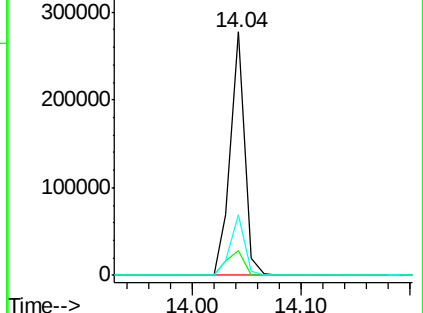
236 25.1 20.8 31.2



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: 85.69 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF083853.D

Acq: 16 Dec 2015 17:33

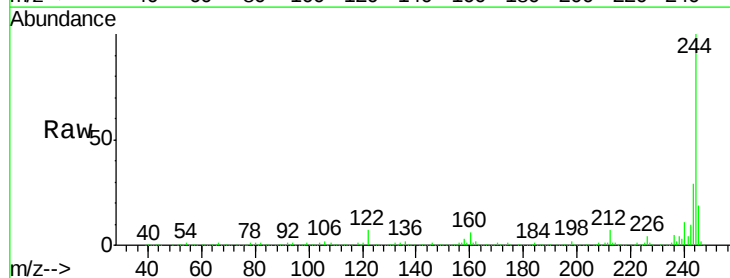
Tgt Ion:244 Resp: 1012633

Ion Ratio Lower Upper

244 100

212 6.6 6.1 9.1

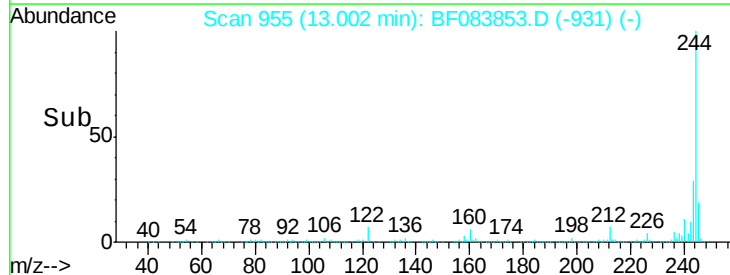
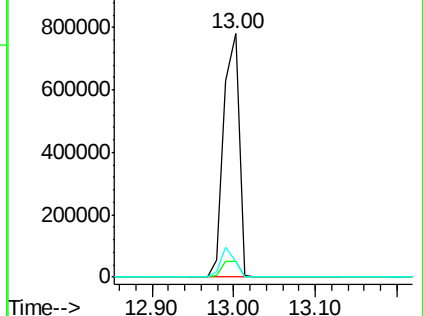
122 6.6 11.0 16.6#

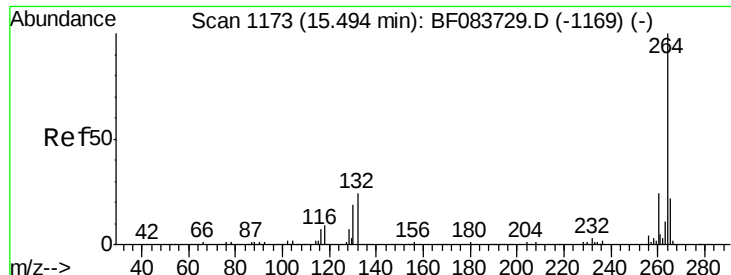


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

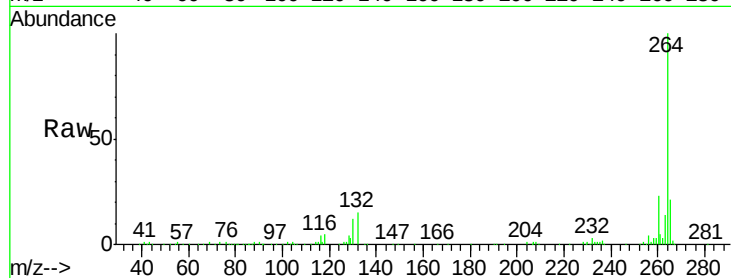




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF083853.D
Acq: 16 Dec 2015 17:33

Instrument :
BNA_F
ClientSampleId :
MW-02-121115

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.0
265	20.9	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

