

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121415\
 Data File : BF083789.D
 Acq On : 15 Dec 2015 00:44
 Operator : UM/IZ
 Sample : G4779-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-50

Quant Time: Dec 15 02:27:55 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

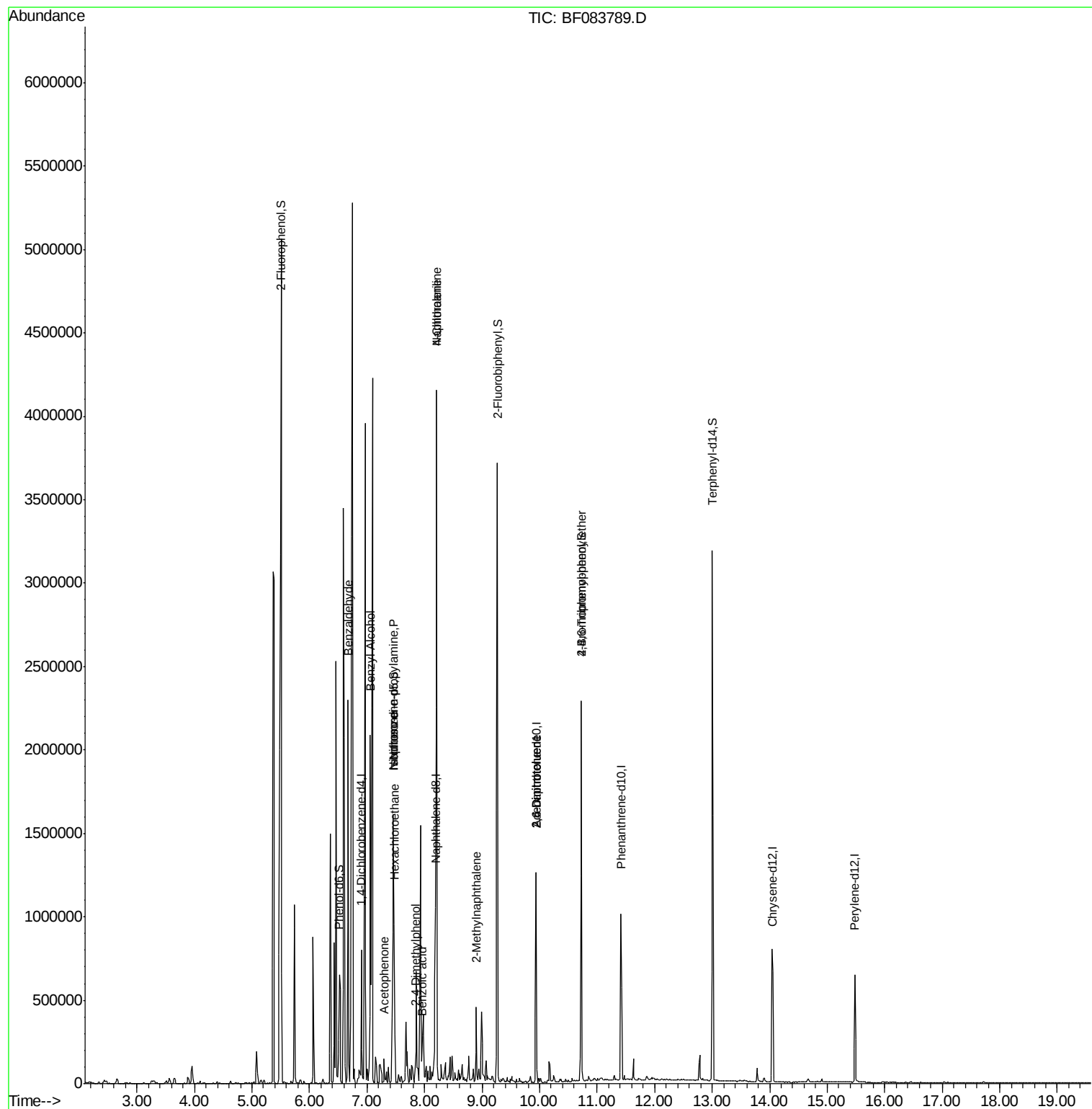
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	118073	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	492542	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	249382	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	426913	20.00	ng	-0.03
75) Chrysene-d12	14.05	240	378063	20.00	ng	-0.02
86) Perylene-d12	15.48	264	283757	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	264702	36.17	ng	-0.02
7) Phenol-d6	6.52	99	352957	38.08	ng	-0.02
23) Nitrobenzene-d5	7.46	82	564066	64.07	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	331999	130.65	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1259133	70.26	ng	-0.02
78) Terphenyl-d14	13.00	244	1254154	71.36	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.67	77	15768	3.17	ng	93
15) Benzyl Alcohol	7.06	79	16956	2.49	ng	# 46
18) Hexachloroethane	7.47	117	286029	87.32	ng	# 1
19) n-Nitroso-di-n-propylamine	7.46	70	76332	13.45	ng	# 73
22) Acetophenone	7.30	105	51122	4.23	ng	# 70
25) Isophorone	7.46	82	444616	25.74	ng	# 69
27) 2,4-Dimethylphenol	7.85	122	24390	2.82	ng	93
31) Naphthalene	8.21	128	2159761	84.12	ng	96
32) Benzoic acid	7.95	122	20223	3.75	ng	# 22
33) 4-Chloroaniline	8.21	127	315991	30.13	ng	# 31
37) 2-Methylnaphthalene	8.90	142	111712	6.93	ng	97
50) 2,6-Dinitrotoluene	9.94	165	31471	7.63	ng	# 18
56) 2,4-Dinitrotoluene	9.94	165	31473	5.84	ng	# 13
66) 4-Bromophenyl-phenylether	10.73	248	23049	4.83	ng	# 1

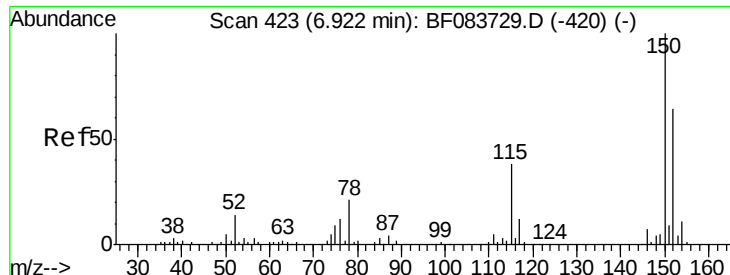
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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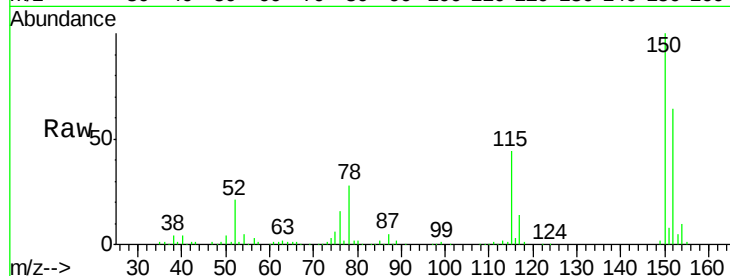


#1

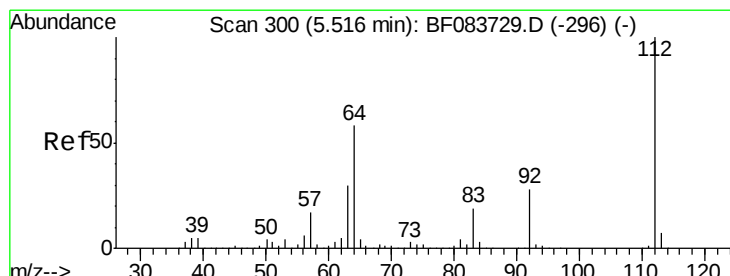
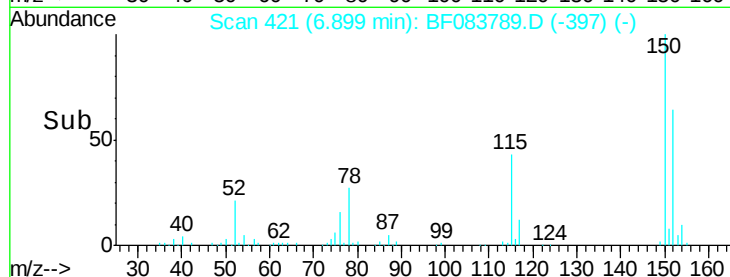
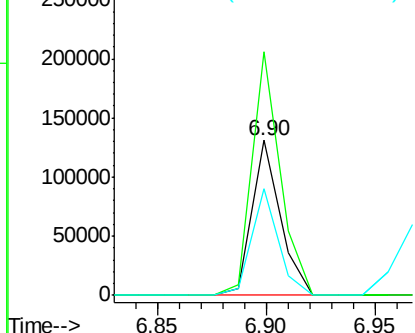
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.02 min
Lab File: BF083789.D
Acq: 15 Dec 2015 00:44

Instrument :
BNA_F
ClientSampleId :
W-50

Tgt Ion:152 Resp: 118073
Ion Ratio Lower Upper
152 100
150 157.3 126.5 189.7
115 69.1 52.3 78.5



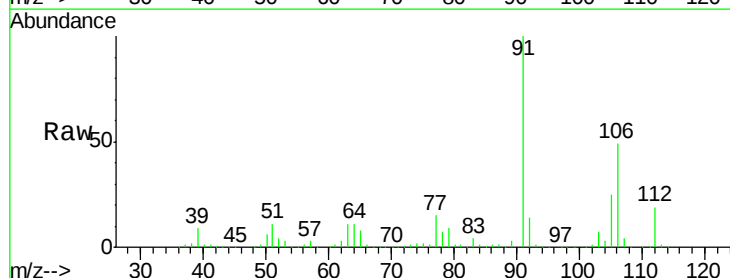
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



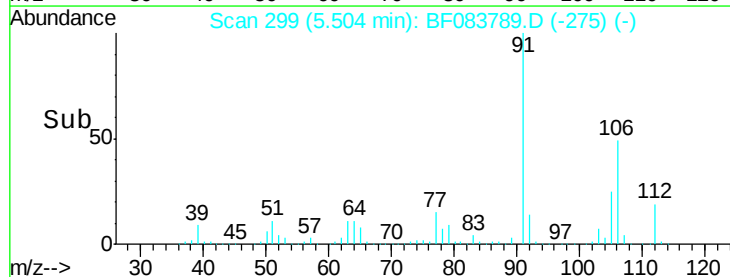
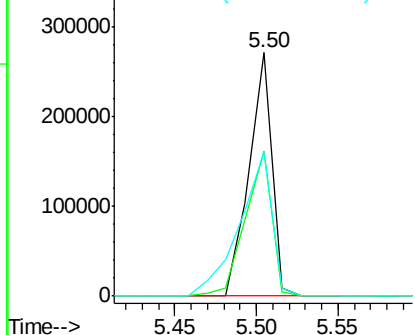
#5

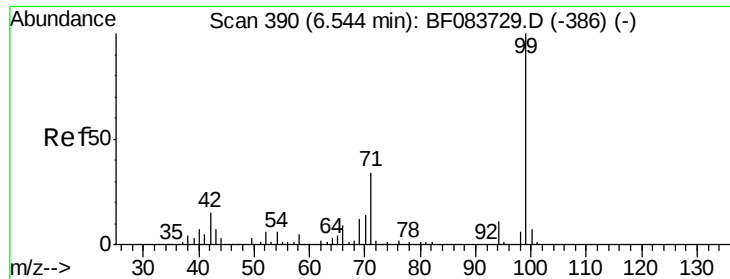
2-Fluorophenol
Concen: 36.17 ng
RT: 5.50 min Scan# 299
Delta R.T. -0.02 min
Lab File: BF083789.D
Acq: 15 Dec 2015 00:44

Tgt Ion:112 Resp: 264702
Ion Ratio Lower Upper
112 100
64 59.6 50.5 75.7
63 58.9 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: 38.08 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.02 min

Lab File: BF083789.D

Acq: 15 Dec 2015 00:44

Instrument :

BNA_F

ClientSampleId :

W-50

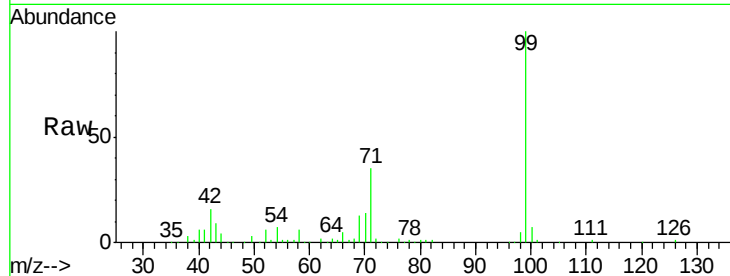
Tgt Ion: 99 Resp: 352957

Ion Ratio Lower Upper

99 100

42 16.0 17.3 25.9#

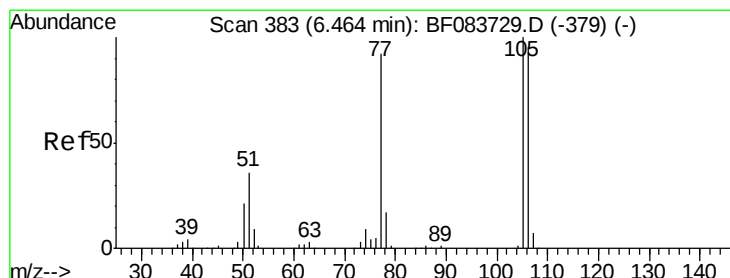
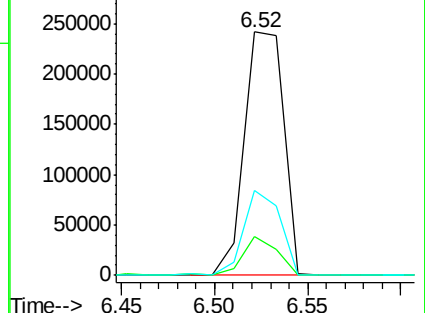
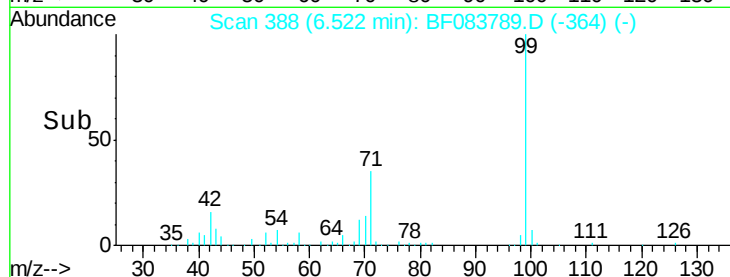
71 35.0 26.6 40.0



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: 3.17 ng

RT: 6.67 min Scan# 401

Delta R.T. 0.21 min

Lab File: BF083789.D

Acq: 15 Dec 2015 00:44

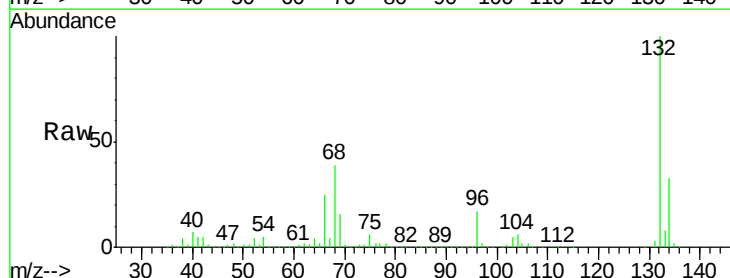
Tgt Ion: 77 Resp: 15768

Ion Ratio Lower Upper

77 100

105 82.3 71.8 111.8

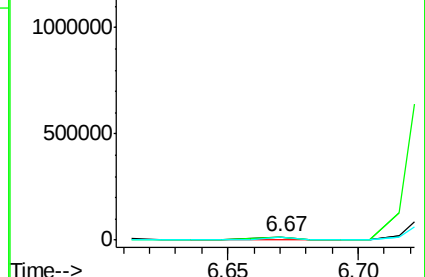
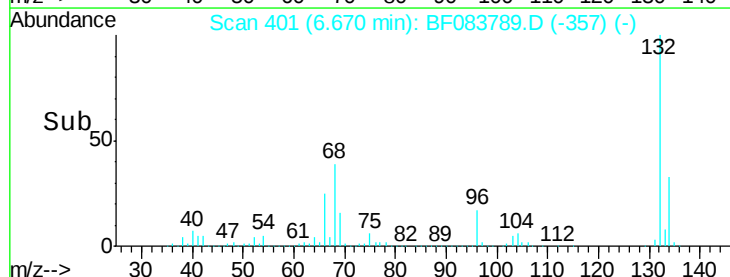
106 83.8 66.8 106.8

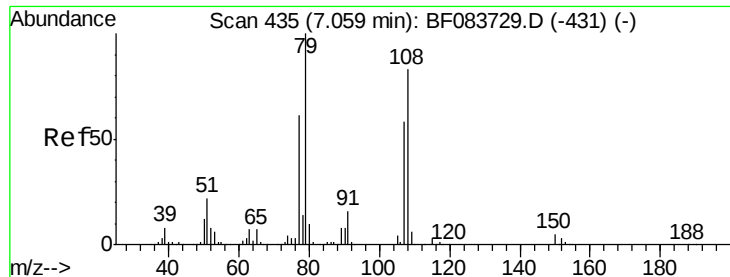


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.49 ng

RT: 7.06 min Scan# 435

Delta R.T. 0.00 min

Lab File: BF083789.D

Acq: 15 Dec 2015 00:44

Instrument :

BNA_F

ClientSampled :

W-50

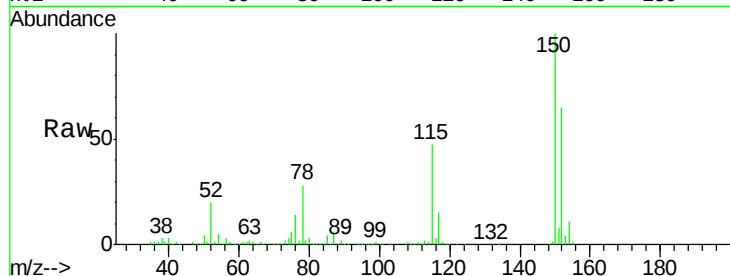
Tgt Ion: 79 Resp: 16956

Ion Ratio Lower Upper

79 100

108 28.4 59.6 89.4#

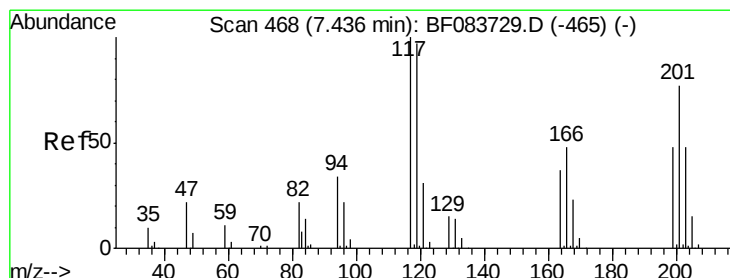
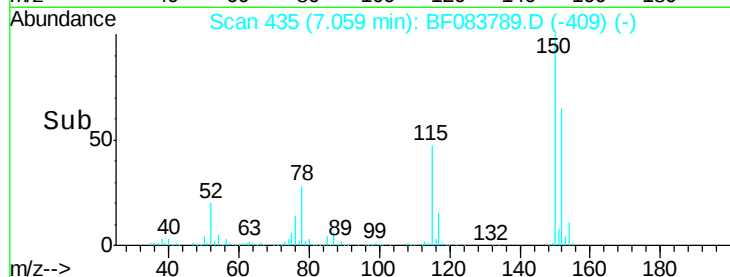
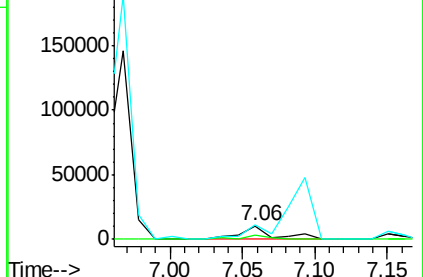
77 103.5 49.8 74.6#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 87.32 ng

RT: 7.47 min Scan# 471

Delta R.T. 0.02 min

Lab File: BF083789.D

Acq: 15 Dec 2015 00:44

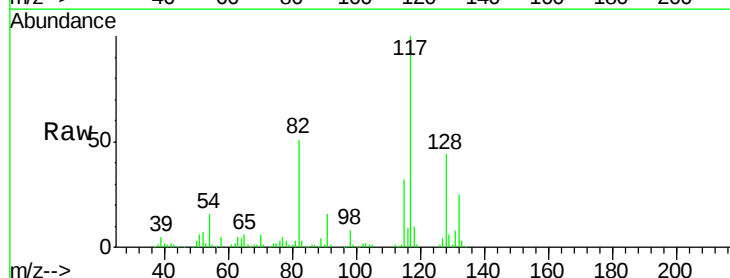
Tgt Ion: 117 Resp: 286029

Ion Ratio Lower Upper

117 100

119 1.1 77.2 115.8#

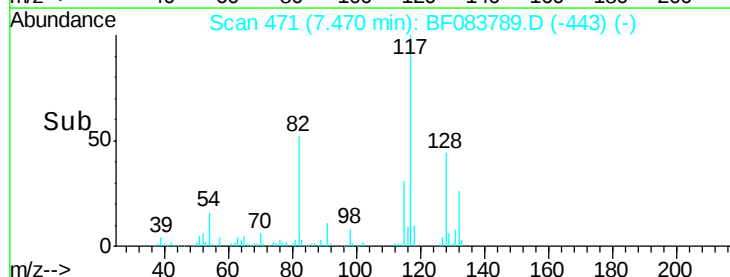
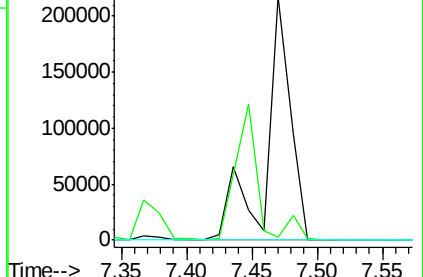
201 0.0 86.8 130.2#

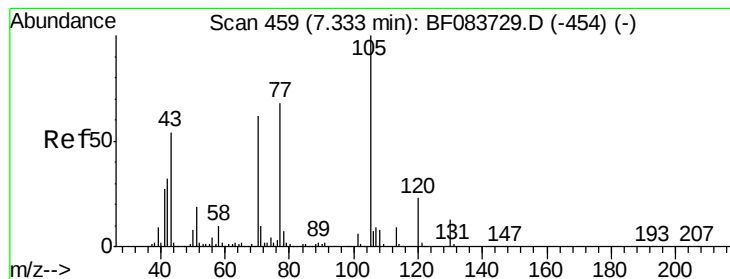


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 13.45 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.11 min

Lab File: BF083789.D

Acq: 15 Dec 2015 00:44

Instrument :

BNA_F

ClientSampleId :

W-50

Tgt Ion: 70 Resp: 76332

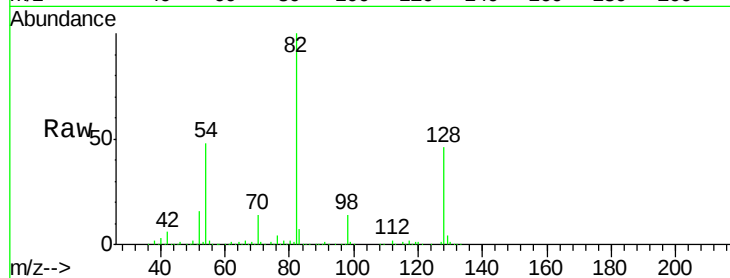
Ion Ratio Lower Upper

70 100

42 42.5 49.2 73.8#

101 0.0 7.1 10.7#

130 4.1 15.4 23.0#

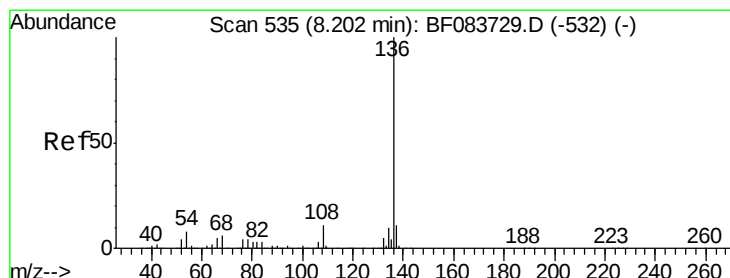
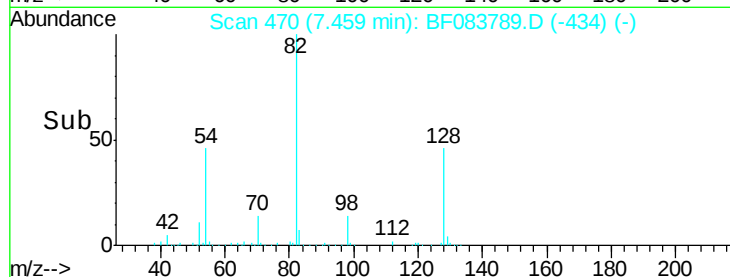
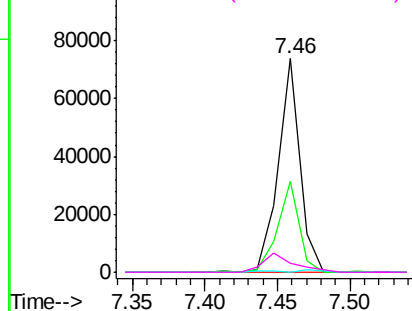


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.19 min Scan# 534

Delta R.T. -0.02 min

Lab File: BF083789.D

Acq: 15 Dec 2015 00:44

Tgt Ion: 136 Resp: 492542

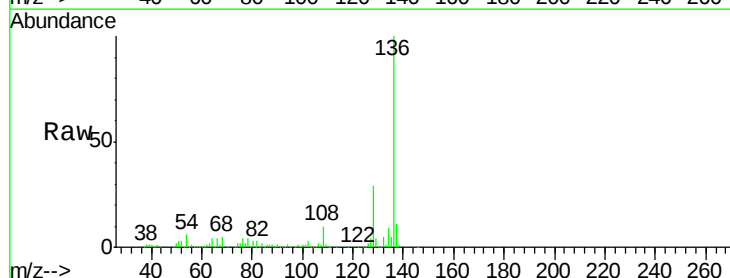
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 5.8 7.8 11.6#

68 4.6 5.7 8.5#

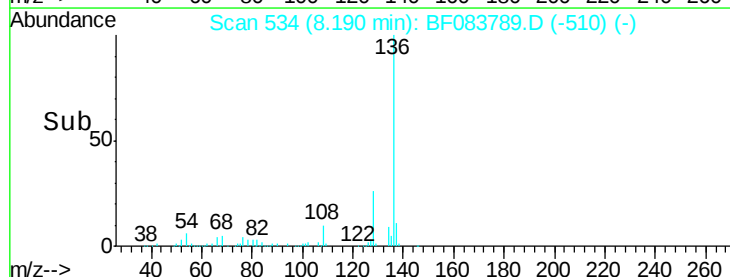
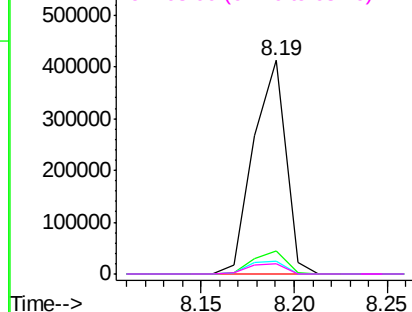


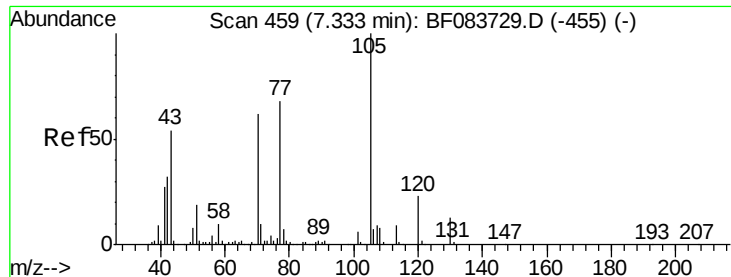
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 4.23 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.03 min

Lab File: BF083789.D

Acq: 15 Dec 2015 00:44

Instrument :

BNA_F

ClientSampleId :

W-50

Tgt Ion:105 Resp: 51122

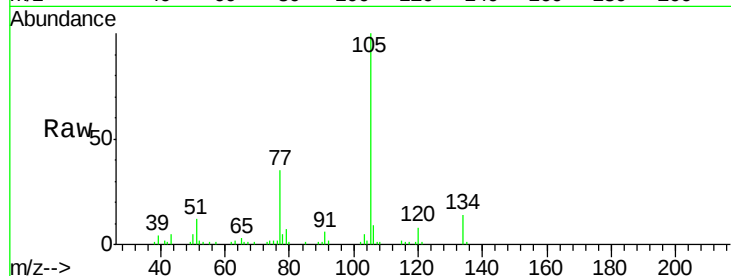
Ion Ratio Lower Upper

105 100

71 0.0 1.3 1.9#

51 11.8 23.8 35.8#

120 8.0 16.7 25.1#

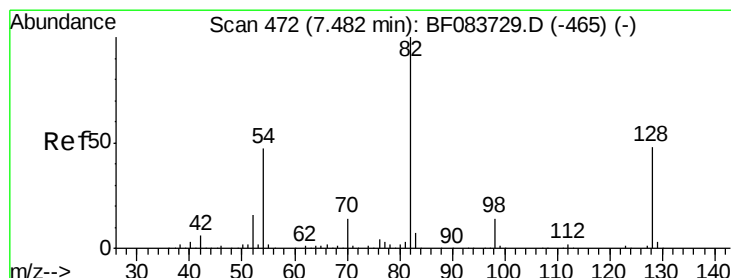
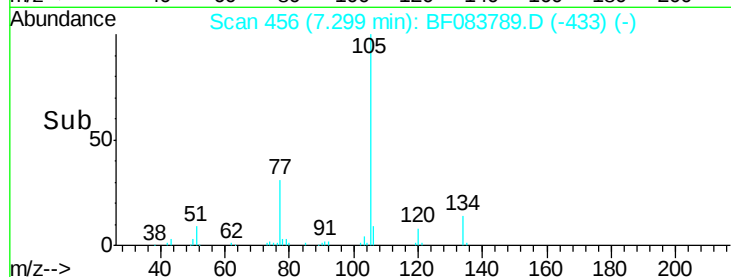
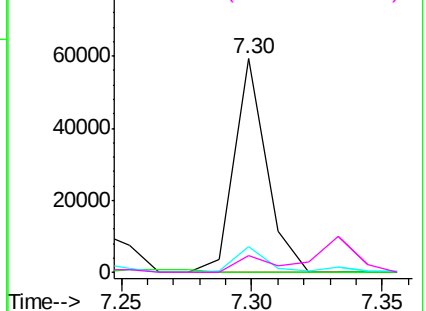


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 64.07 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF083789.D

Acq: 15 Dec 2015 00:44

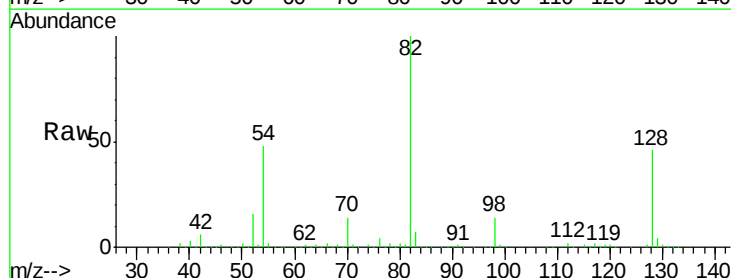
Tgt Ion: 82 Resp: 564066

Ion Ratio Lower Upper

82 100

128 46.3 30.7 46.1#

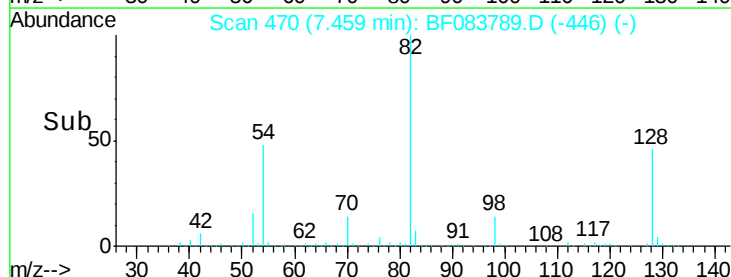
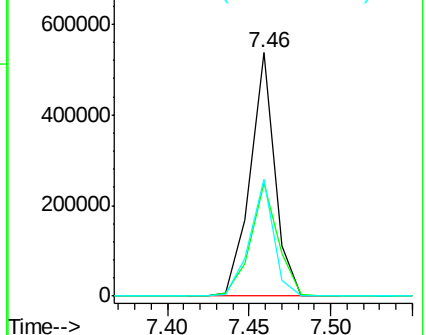
54 47.8 42.5 63.7

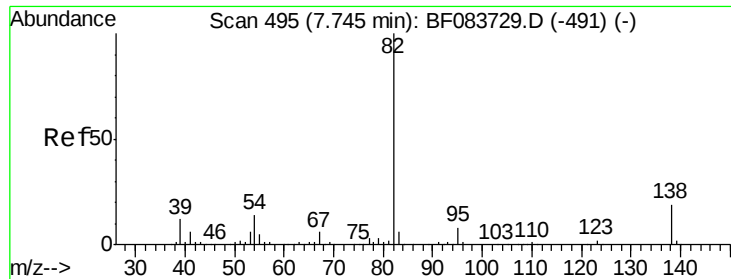


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 25.74 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.29 min

Lab File: BF083789.D

Acq: 15 Dec 2015 00:44

Instrument :

BNA_F

ClientSampleId :

W-50

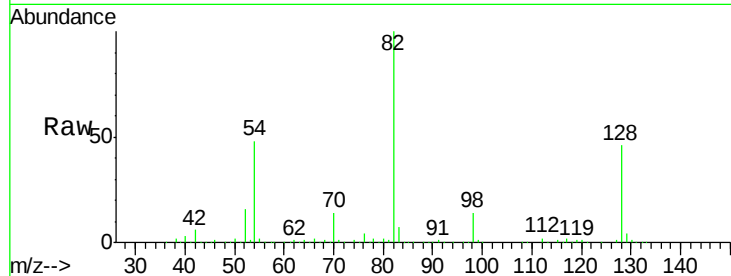
Tgt Ion: 82 Resp: 444616

Ion Ratio Lower Upper

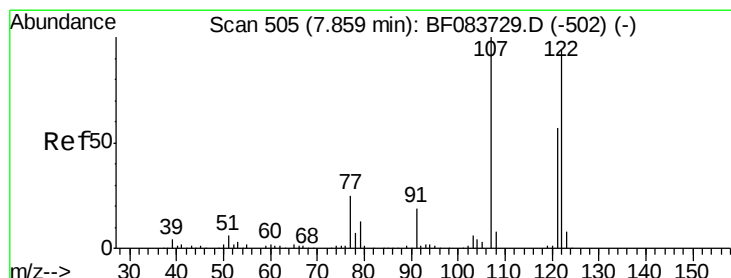
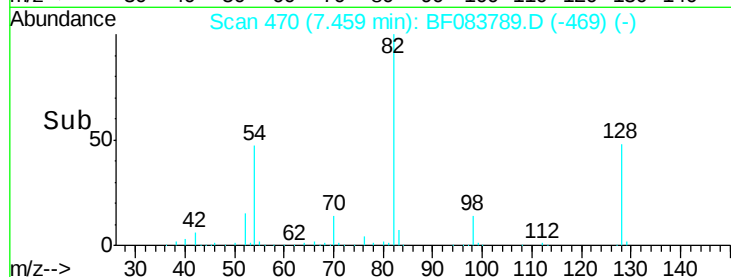
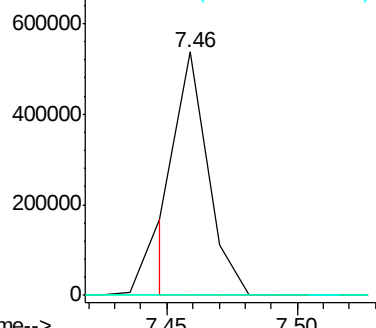
82 100

95 0.0 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): E



#27

2,4-Dimethylphenol

Concen: 2.82 ng

RT: 7.85 min Scan# 504

Delta R.T. -0.01 min

Lab File: BF083789.D

Acq: 15 Dec 2015 00:44

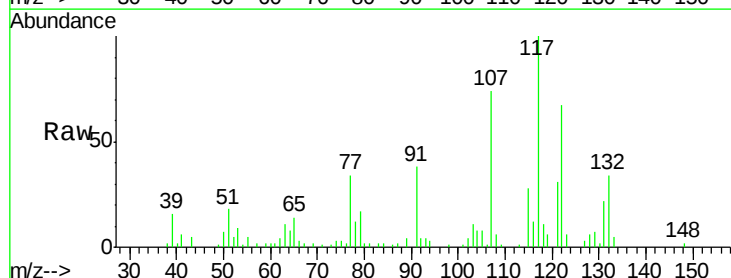
Tgt Ion: 122 Resp: 24390

Ion Ratio Lower Upper

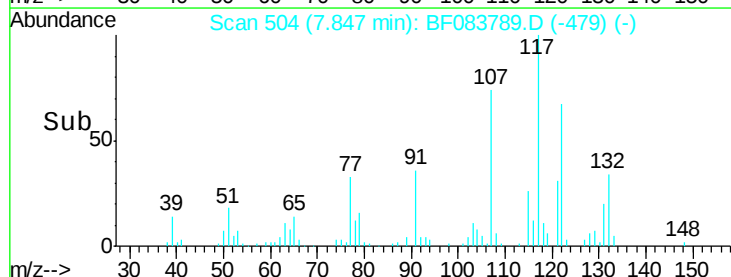
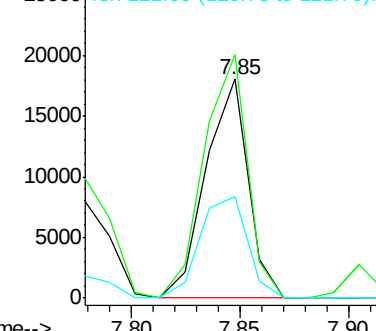
122 100

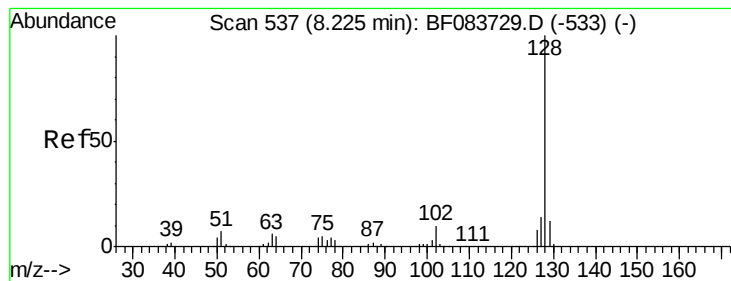
107 111.1 92.4 138.6

121 46.5 45.8 68.6



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 84.12 ng

RT: 8.21 min Scan# 536

Delta R.T. -0.02 min

Lab File: BF083789.D

Acq: 15 Dec 2015 00:44

Instrument :

BNA_F

ClientSampled :

W-50

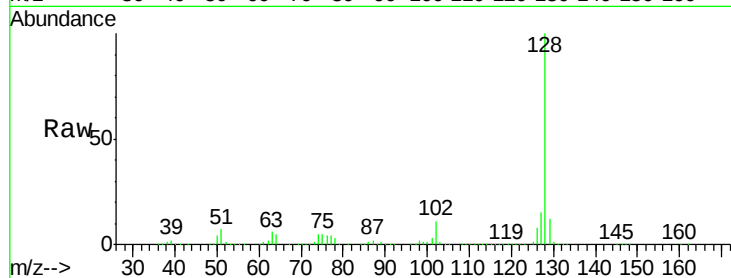
Tgt Ion:128 Resp: 2159761

Ion Ratio Lower Upper

128 100

129 12.3 8.6 13.0

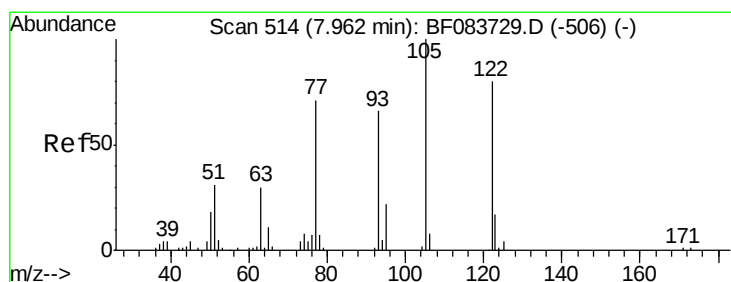
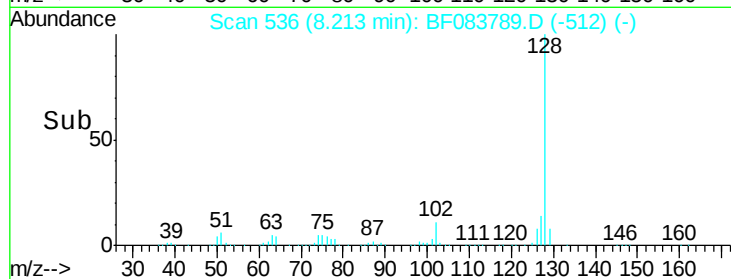
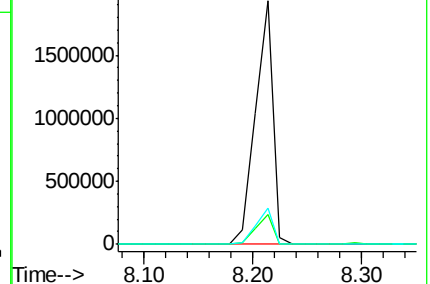
127 15.1 10.6 16.0



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



#32

Benzoic acid

Concen: 3.75 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.01 min

Lab File: BF083789.D

Acq: 15 Dec 2015 00:44

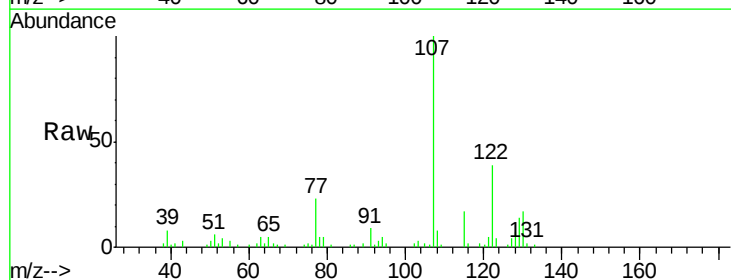
Tgt Ion:122 Resp: 20223

Ion Ratio Lower Upper

122 100

105 4.6 105.6 145.6#

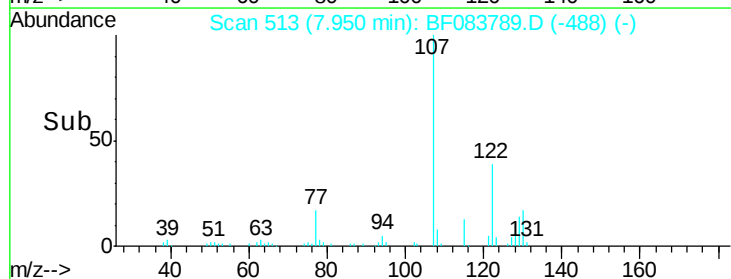
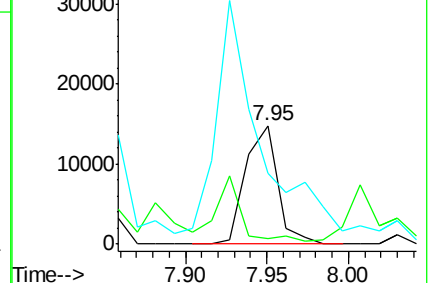
77 59.4 86.8 126.8#

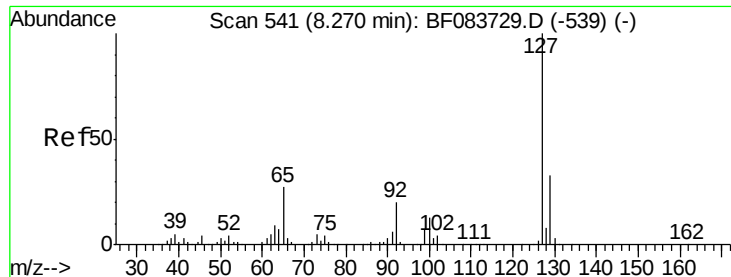


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

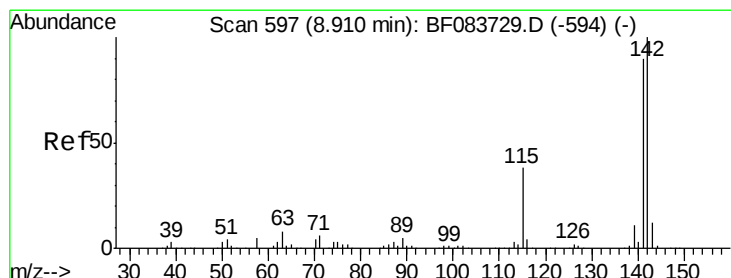
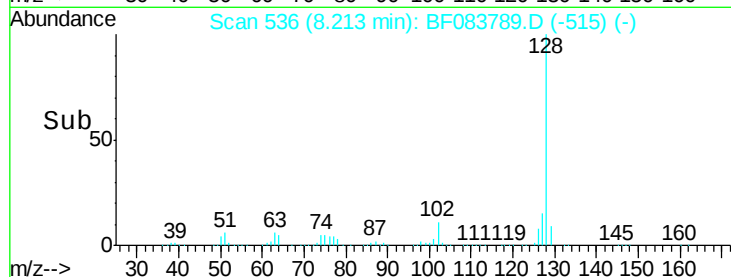
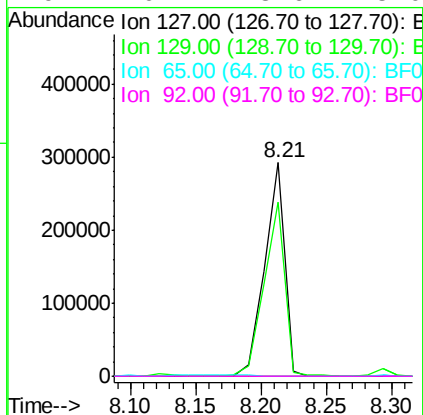
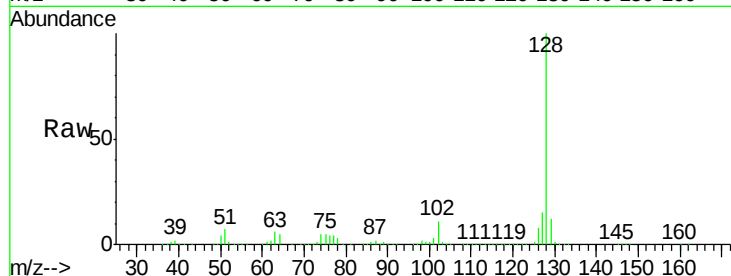




#33
4-Chloroaniline
Concen: 30.13 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.06 min
Lab File: BF083789.D
Acq: 15 Dec 2015 00:44

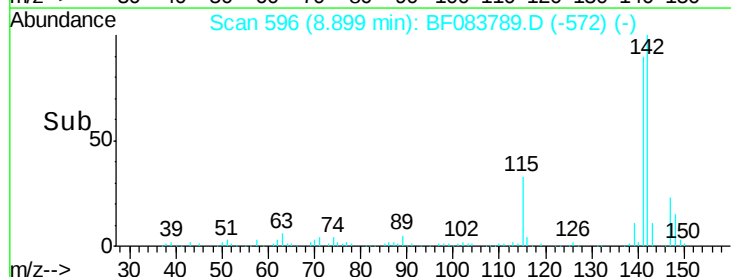
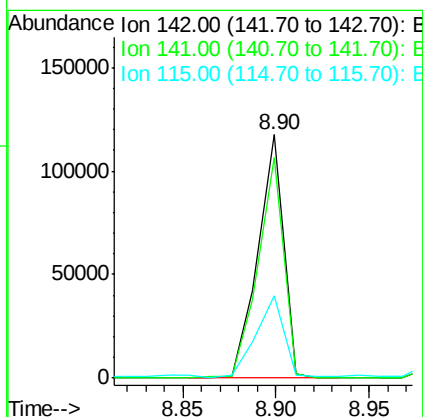
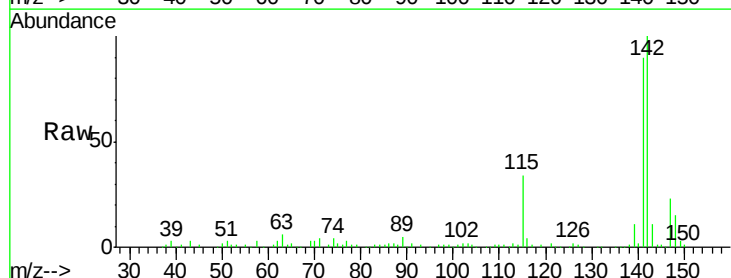
Instrument :
BNA_F
ClientSampleId :
W-50

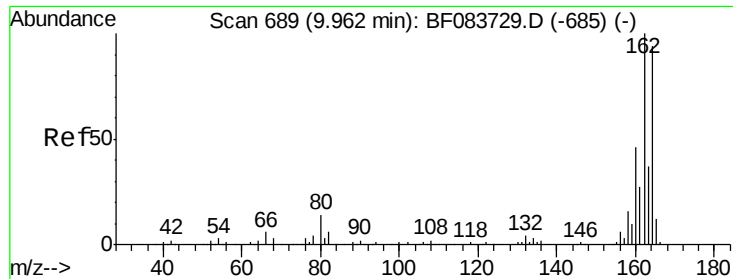
Tgt Ion	Ratio	Lower	Upper
127	100		
129	81.4	26.1	39.1#
65	0.0	33.5	50.3#
92	0.1	18.6	28.0#



#37
2-Methylnaphthalene
Concen: 6.93 ng
RT: 8.90 min Scan# 596
Delta R.T. -0.02 min
Lab File: BF083789.D
Acq: 15 Dec 2015 00:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	70.3	105.5
115	34.0	29.2	43.8

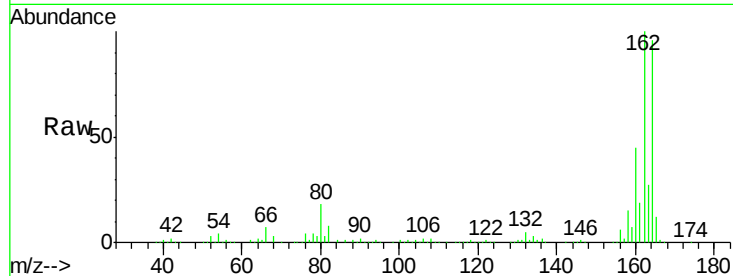




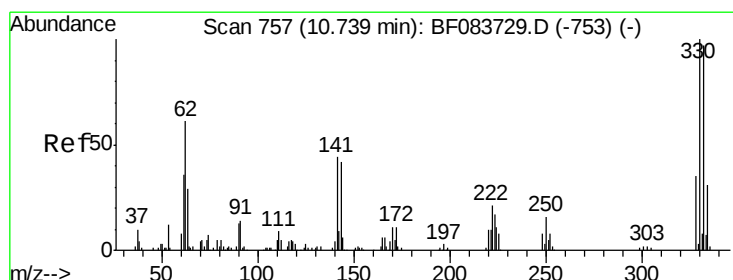
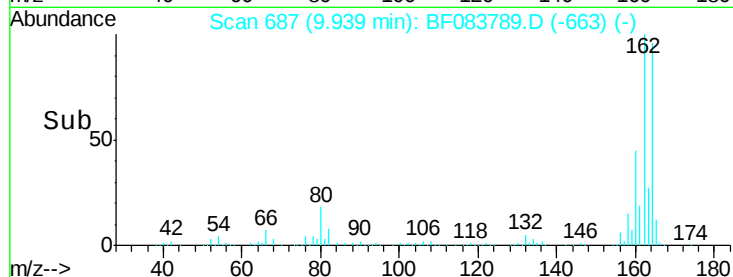
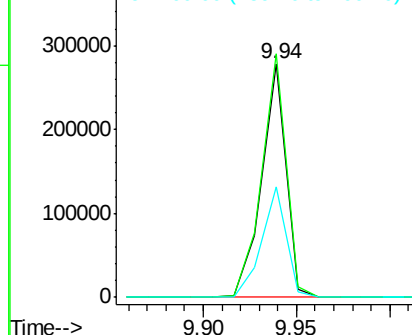
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF083789.D
Acq: 15 Dec 2015 00:44

Instrument :
BNA_F
ClientSampleId :
W-50

Tgt Ion:164 Resp: 249382
Ion Ratio Lower Upper
164 100
162 104.2 78.8 118.2
160 47.2 33.4 50.2

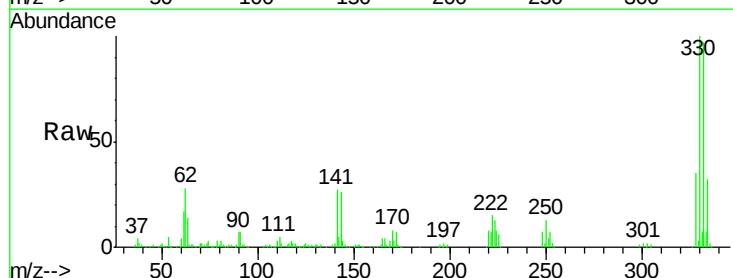


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

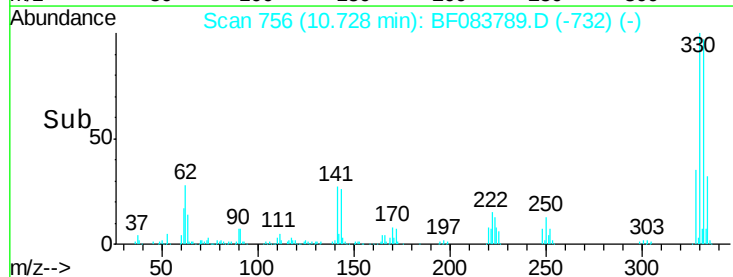
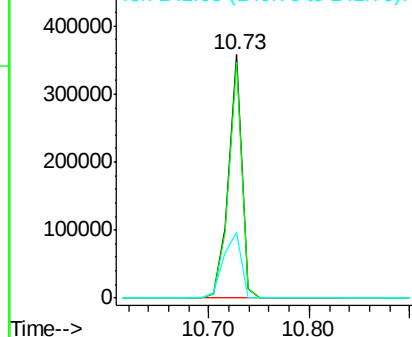


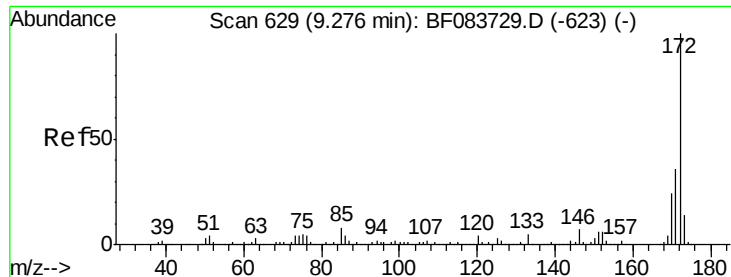
#41
2,4,6-Tribromophenol
Concen: 130.65 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.02 min
Lab File: BF083789.D
Acq: 15 Dec 2015 00:44

Tgt Ion:330 Resp: 331999
Ion Ratio Lower Upper
330 100
332 96.1 0.0 0.0#
141 36.0 0.0 0.0#



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

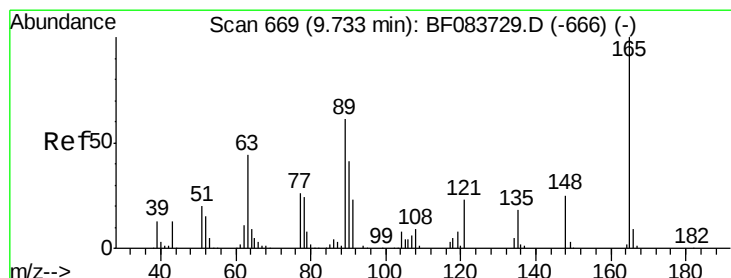
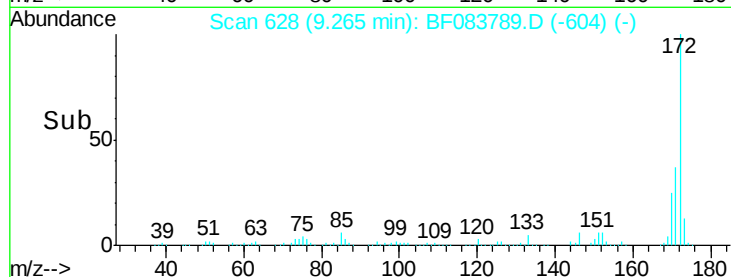
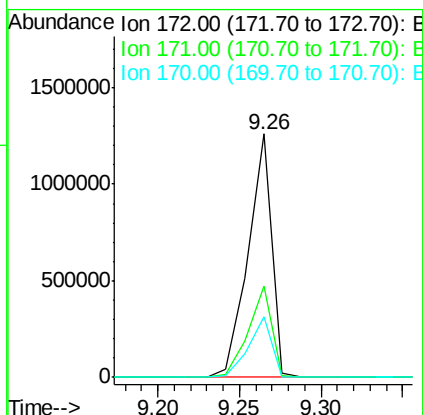
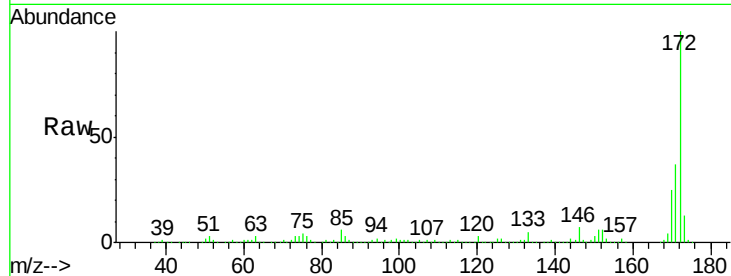




#44
2-Fluorobiphenyl
Concen: 70.26 ng
RT: 9.26 min Scan# 628
Delta R.T. -0.02 min
Lab File: BF083789.D
Acq: 15 Dec 2015 00:44

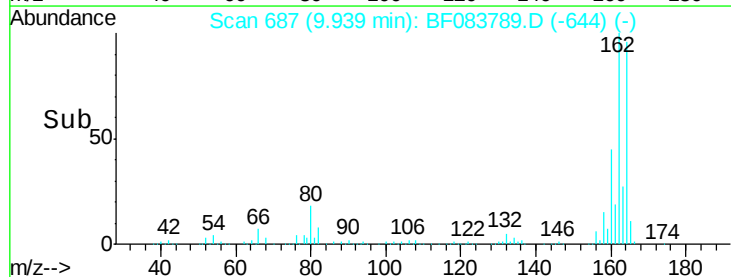
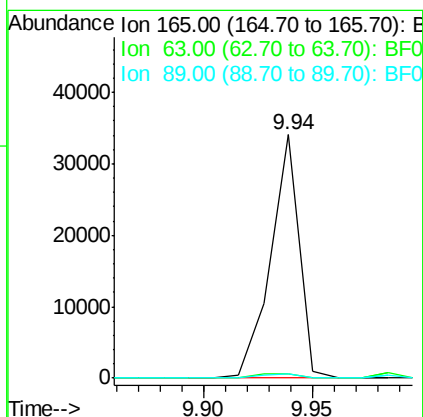
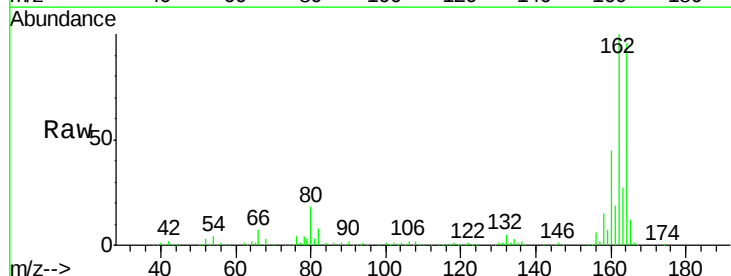
Instrument :
BNA_F
ClientSampleId :
W-50

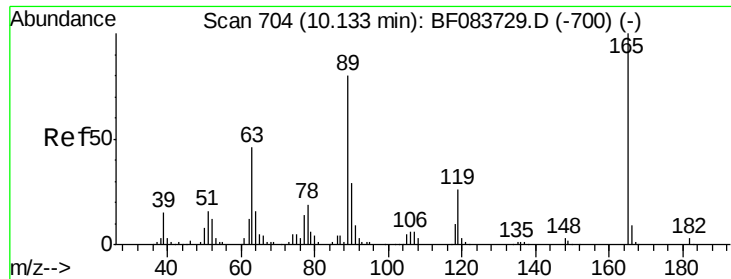
Tgt Ion:172 Resp: 1259133
Ion Ratio Lower Upper
172 100
171 37.4 28.6 42.8
170 24.9 19.4 29.0



#50
2,6-Dinitrotoluene
Concen: 7.63 ng
RT: 9.94 min Scan# 687
Delta R.T. 0.20 min
Lab File: BF083789.D
Acq: 15 Dec 2015 00:44

Tgt Ion:165 Resp: 31471
Ion Ratio Lower Upper
165 100
63 1.7 56.9 85.3#
89 2.0 52.1 78.1#





#56

2,4-Dinitrotoluene

Concen: 5.84 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.20 min

Lab File: BF083789.D

Acq: 15 Dec 2015 00:44

Instrument :

BNA_F

ClientSampleId :

W-50

Tgt Ion:165 Resp: 31473

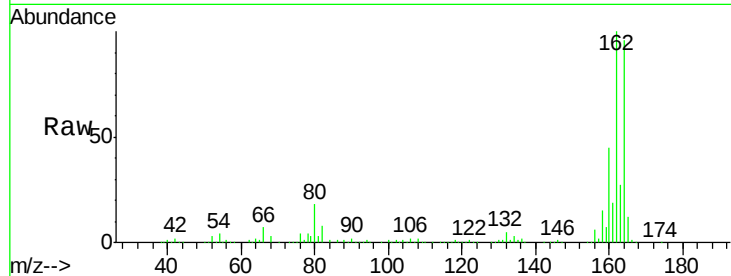
Ion Ratio Lower Upper

165 100

63 1.7 51.4 77.2#

89 2.0 72.6 108.8#

182 0.0 1.4 2.0#

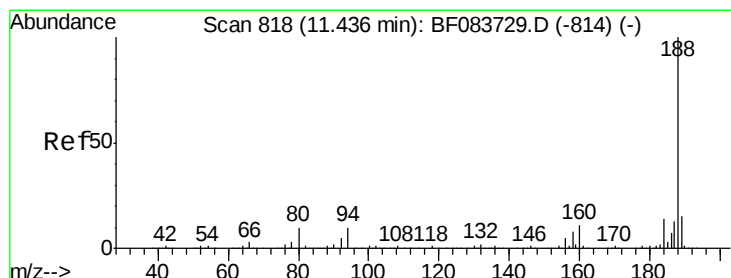
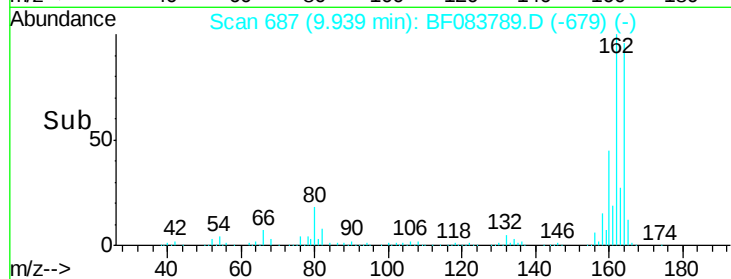
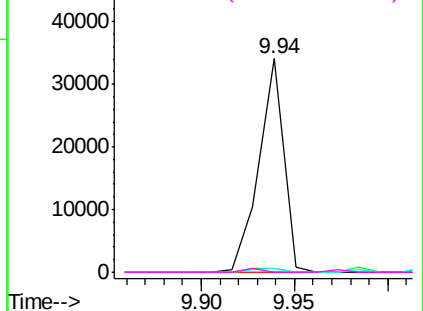


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.03 min

Lab File: BF083789.D

Acq: 15 Dec 2015 00:44

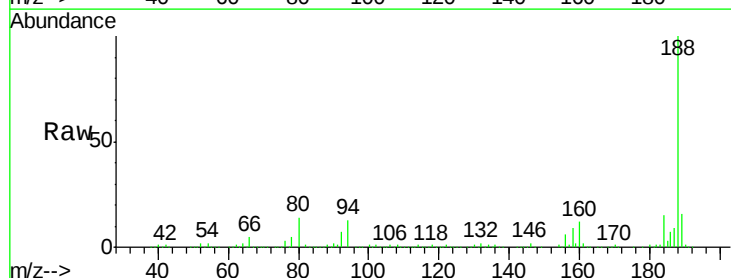
Tgt Ion:188 Resp: 426913

Ion Ratio Lower Upper

188 100

94 13.2 9.4 14.2

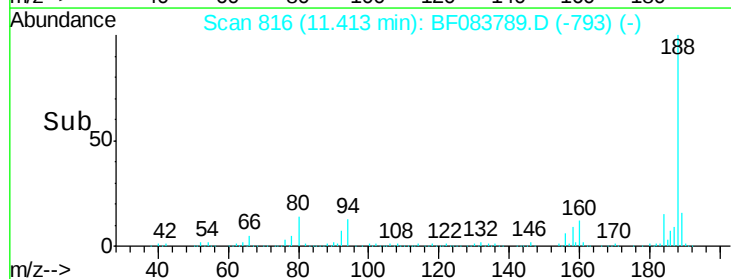
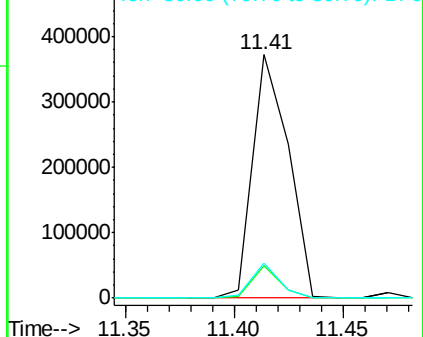
80 14.4 10.6 16.0

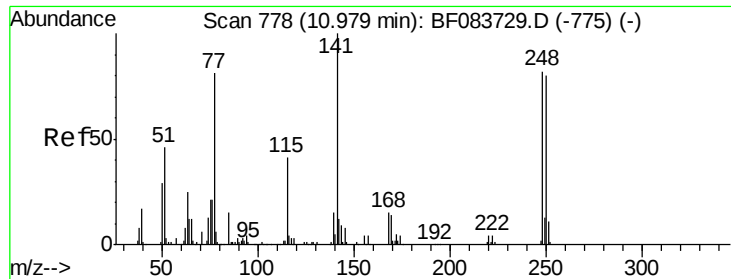


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

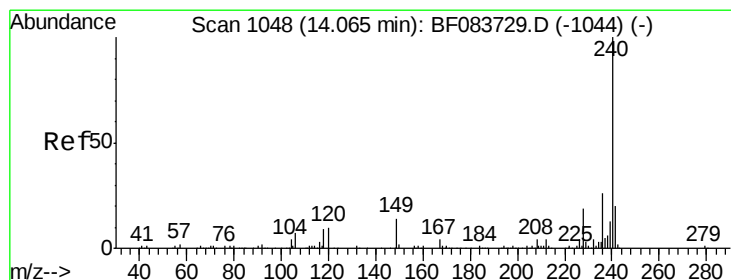
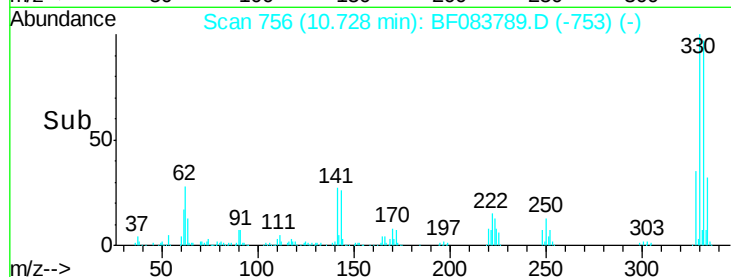
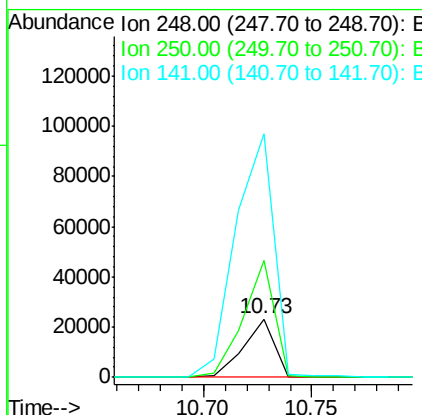
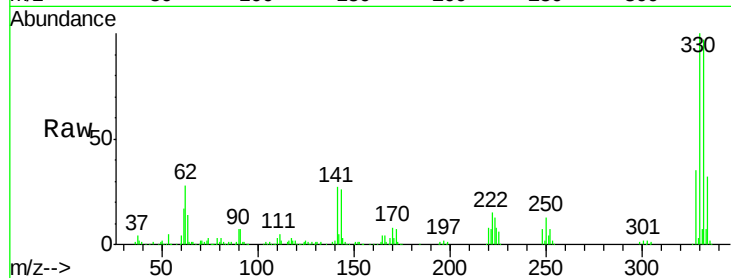




#66
 4-Bromophenyl-phenylether
 Concen: 4.83 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.26 min
 Lab File: BF083789.D
 Acq: 15 Dec 2015 00:44

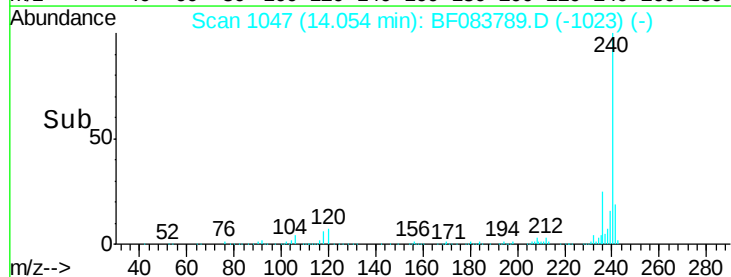
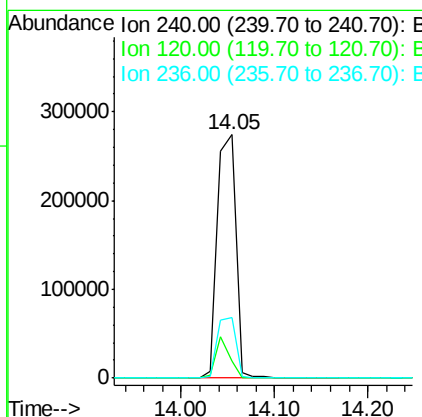
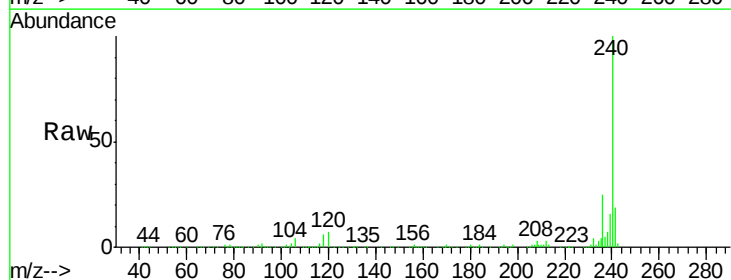
Instrument :
 BNA_F
 ClientSampleId :
 W-50

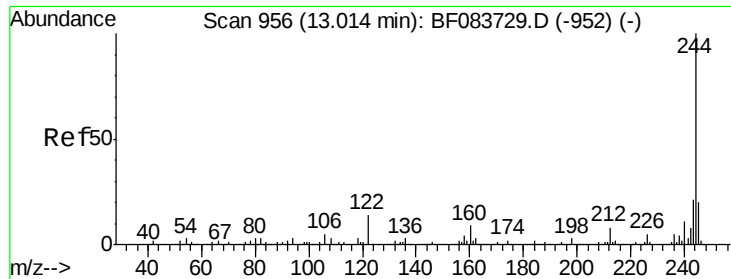
Tgt Ion:248 Resp: 23049
 Ion Ratio Lower Upper
 248 100
 250 199.3 79.2 118.8#
 141 416.7 58.2 87.4#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.02 min
 Lab File: BF083789.D
 Acq: 15 Dec 2015 00:44

Tgt Ion:240 Resp: 378063
 Ion Ratio Lower Upper
 240 100
 120 6.9 8.1 12.1#
 236 24.9 20.8 31.2

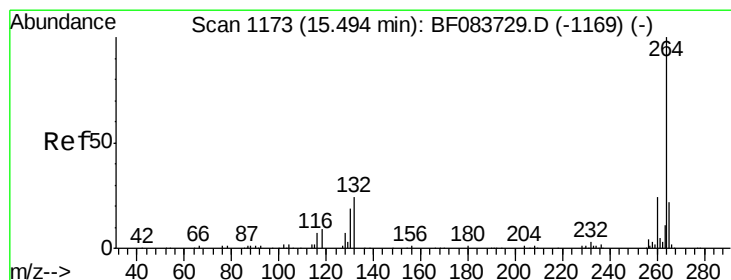
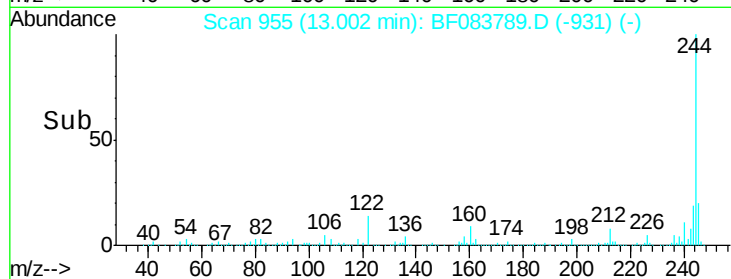
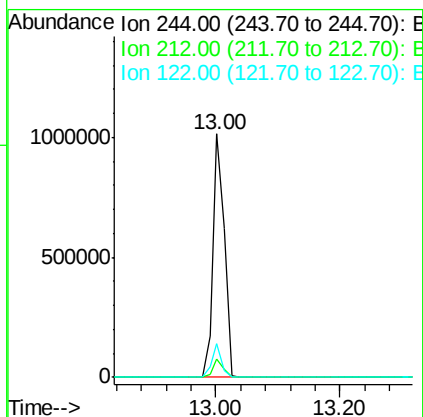
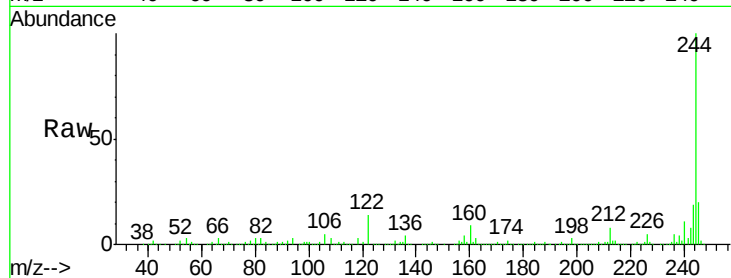




#78
 Terphenyl-d14
 Concen: 71.36 ng
 RT: 13.00 min Scan# 955
 Delta R.T. -0.02 min
 Lab File: BF083789.D
 Acq: 15 Dec 2015 00:44

Instrument :
 BNA_F
 ClientSampled :
 W-50

Tgt Ion:244 Resp: 1254154
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.1 9.1
 122 13.7 11.0 16.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.48 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: BF083789.D
 Acq: 15 Dec 2015 00:44

Tgt Ion:264 Resp: 283757
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.4 29.0
 265 21.8 17.8 26.6

