

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121515\
 Data File : BF083804.D
 Acq On : 15 Dec 2015 8:14
 Operator : UM/IZ
 Sample : PB87256BL
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 15 10:36:50 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

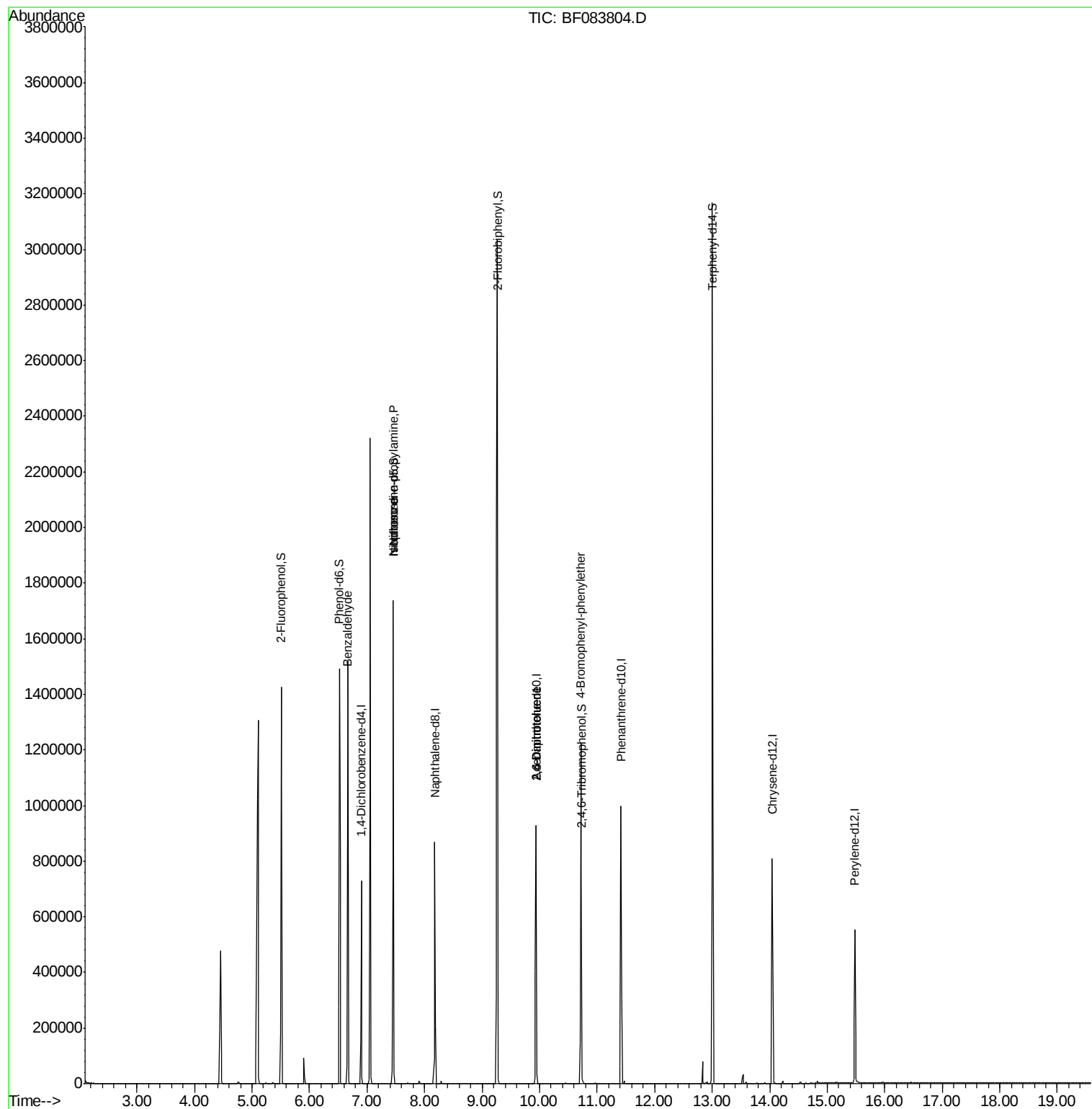
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	109014	20.00	ng	-0.02
21) Naphthalene-d8	8.18	136	406537	20.00	ng	-0.03
38) Acenaphthene-d10	9.94	164	210777	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	375952	20.00	ng	-0.03
75) Chrysene-d12	14.04	240	319949	20.00	ng	-0.03
86) Perylene-d12	15.48	264	251034	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	576191	85.27	ng	-0.02
7) Phenol-d6	6.52	99	691534	80.81	ng	-0.02
23) Nitrobenzene-d5	7.46	82	625466	86.08	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	206344	96.07	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1244852	87.23	ng	-0.02
78) Terphenyl-d14	13.00	244	1125033	75.64	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.66	77	12765	2.78	ng	Qvalue 88
19) n-Nitroso-di-n-propylamine	7.46	70	85883	16.39	ng	# 70
25) Isophorone	7.46	82	614013	43.07	ng	# 69
50) 2,6-Dinitrotoluene	9.94	165	26986	7.74	ng	# 17
56) 2,4-Dinitrotoluene	9.94	165	26981	5.92	ng	# 12
66) 4-Bromophenyl-phenylether	10.72	248	13077	3.11	ng	# 1

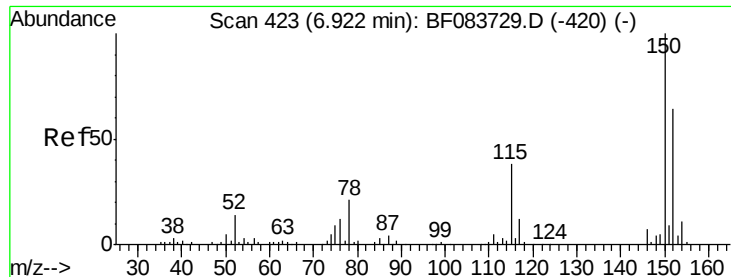
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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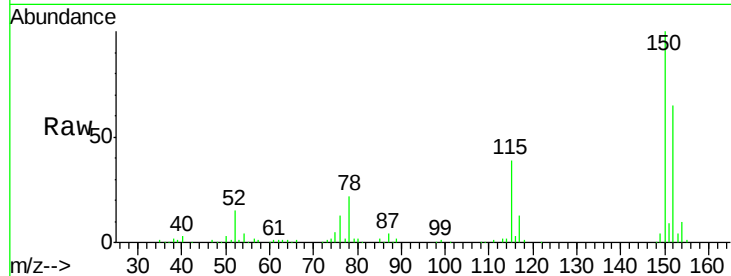


#1

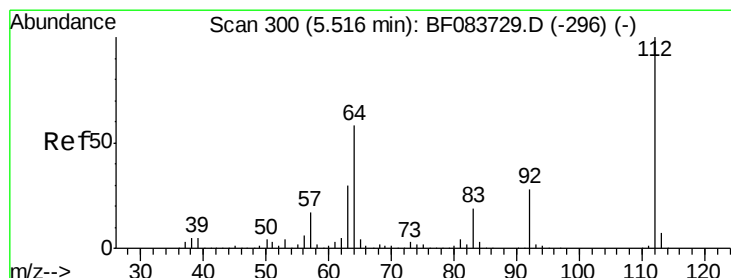
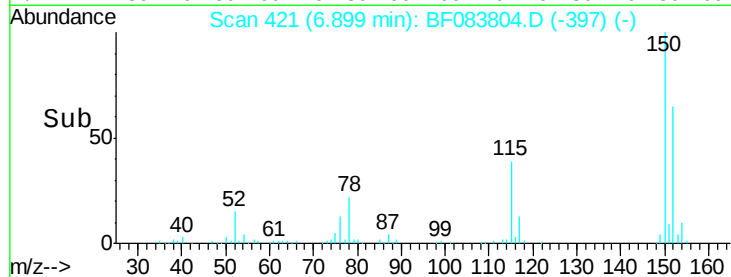
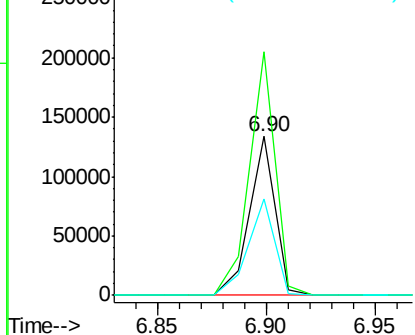
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.02 min
Lab File: BF083804.D
Acq: 15 Dec 2015 8:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 109014
Ion Ratio Lower Upper
152 100
150 153.5 126.5 189.7
115 60.4 52.3 78.5



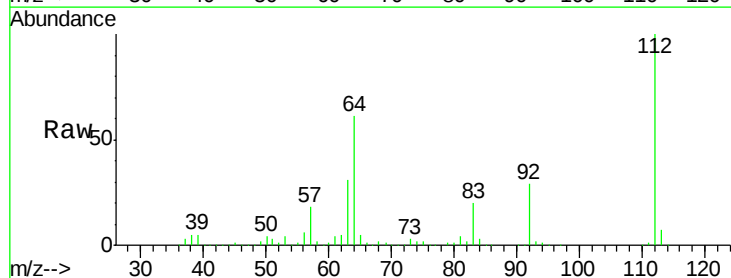
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



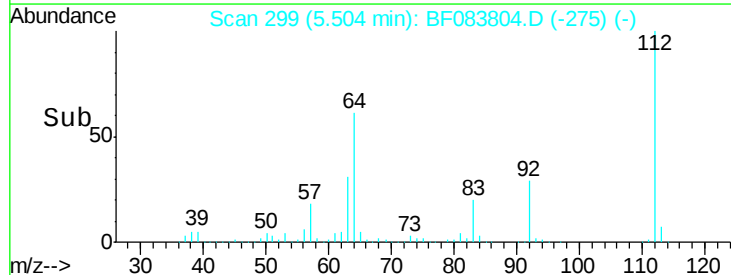
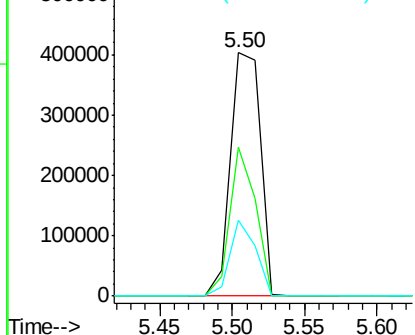
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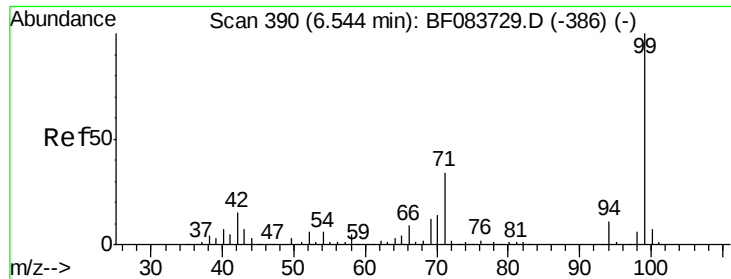
2-Fluorophenol
Concen: 85.27 ng
RT: 5.50 min Scan# 299
Delta R.T. -0.02 min
Lab File: BF083804.D
Acq: 15 Dec 2015 8:14

Tgt Ion:112 Resp: 576191
Ion Ratio Lower Upper
112 100
64 61.3 50.5 75.7
63 31.4 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: 80.81 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.02 min

Lab File: BF083804.D

Acq: 15 Dec 2015 8:14

Instrument :

BNA_F

ClientSampleId :

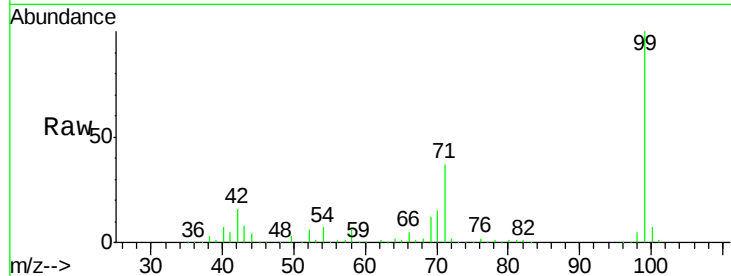
Tot Ion: 99 Resp: 691534

Ion Ratio Lower Upper

99 100

42 16.5 17.3 25.9#

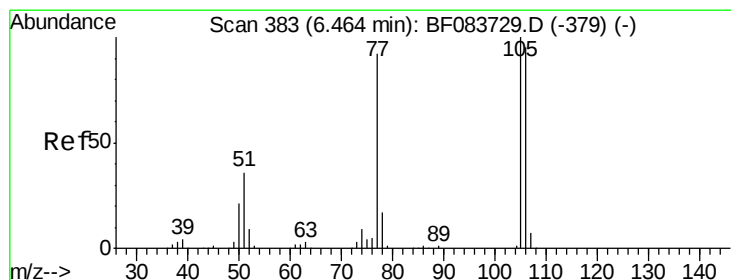
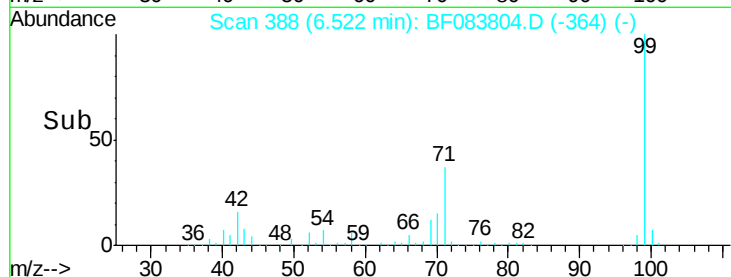
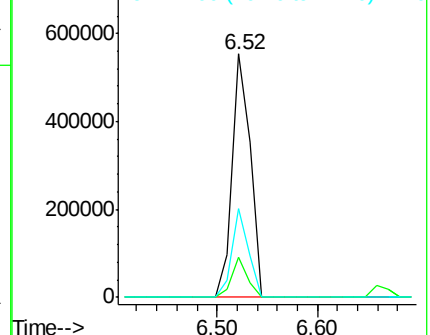
71 36.6 26.6 40.0



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: 2.78 ng

RT: 6.66 min Scan# 400

Delta R.T. 0.19 min

Lab File: BF083804.D

Acq: 15 Dec 2015 8:14

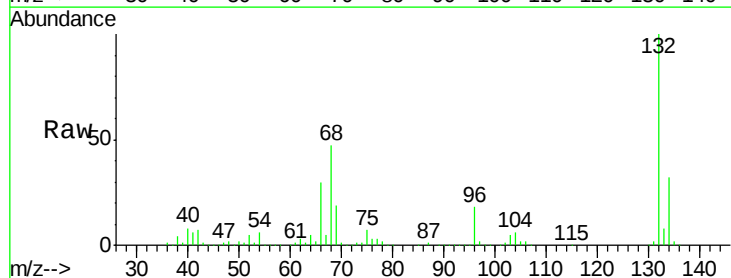
Tgt Ion: 77 Resp: 12765

Ion Ratio Lower Upper

77 100

105 77.8 71.8 111.8

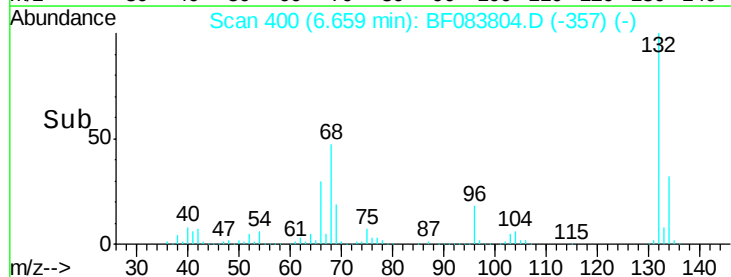
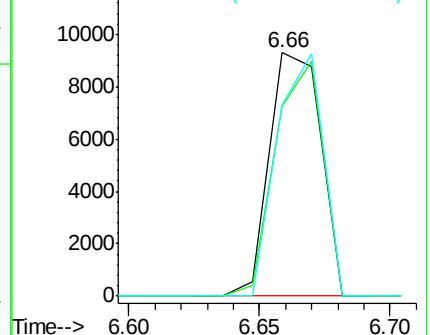
106 78.2 66.8 106.8

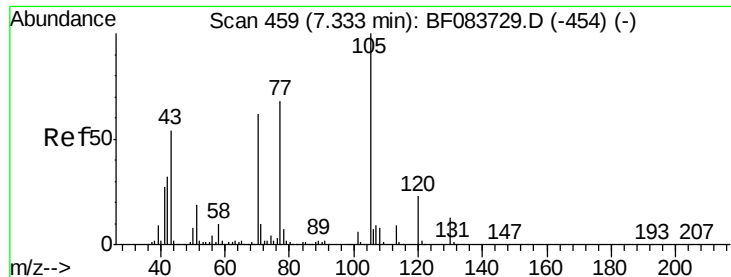


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

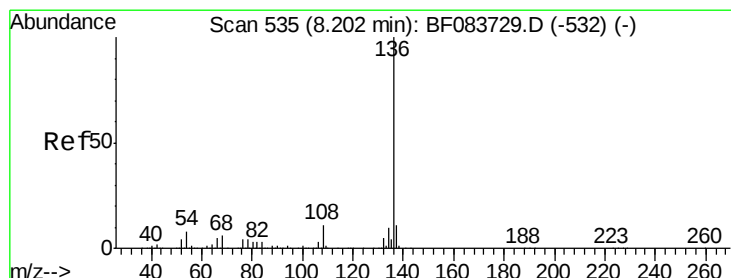
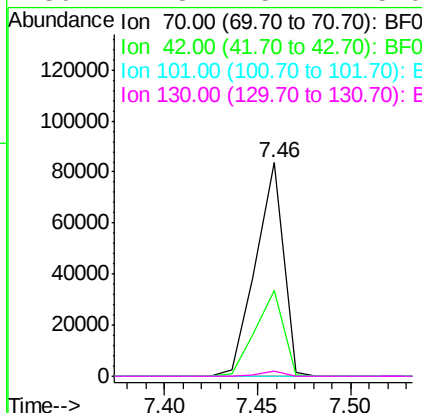
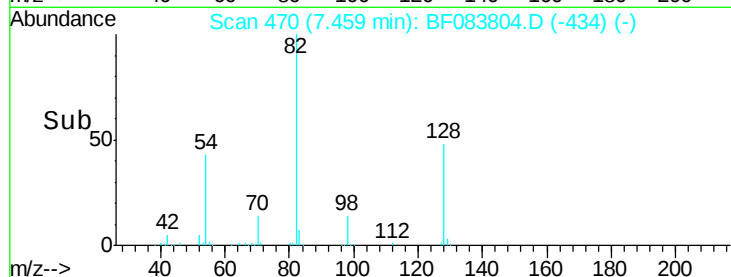
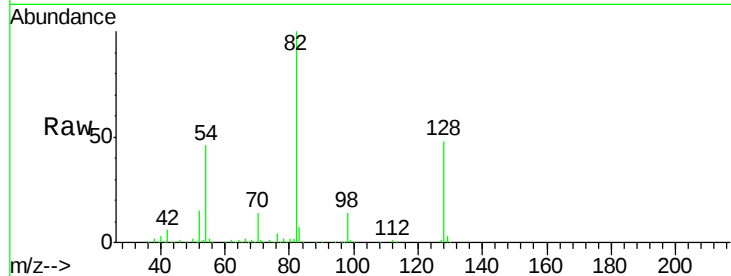




#19
n-Nitroso-di-n-propylamine
Concen: 16.39 ng
RT: 7.46 min Scan# 470
Delta R.T. 0.11 min
Lab File: BF083804.D
Acq: 15 Dec 2015 8:14

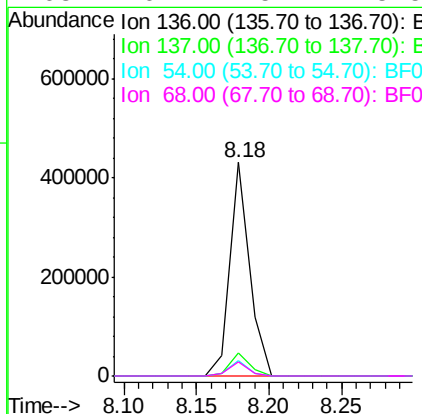
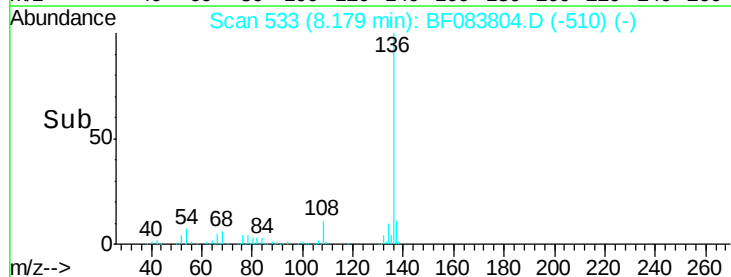
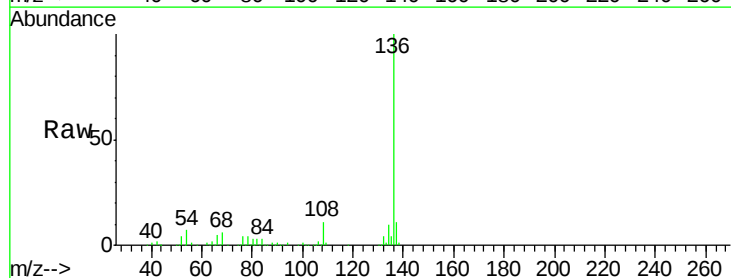
Instrument :
BNA_F
ClientSampleId :

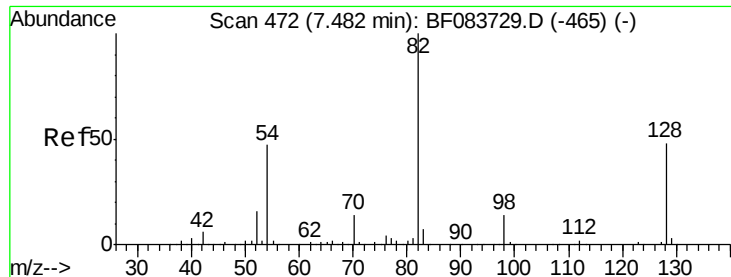
Tot Ion: 70 Resp: 85883
Ion Ratio Lower Upper
70 100
42 40.2 49.2 73.8#
101 0.0 7.1 10.7#
130 2.3 15.4 23.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.03 min
Lab File: BF083804.D
Acq: 15 Dec 2015 8:14

Tgt Ion: 136 Resp: 406537
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.5 7.8 11.6#
68 6.4 5.7 8.5

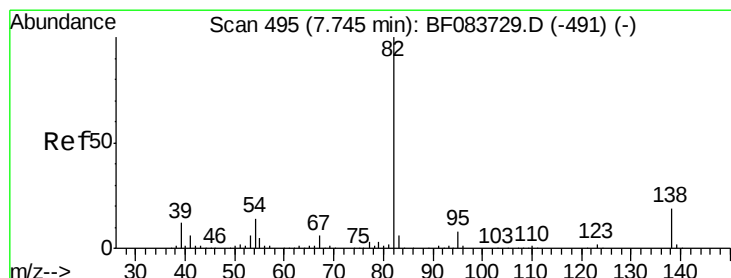
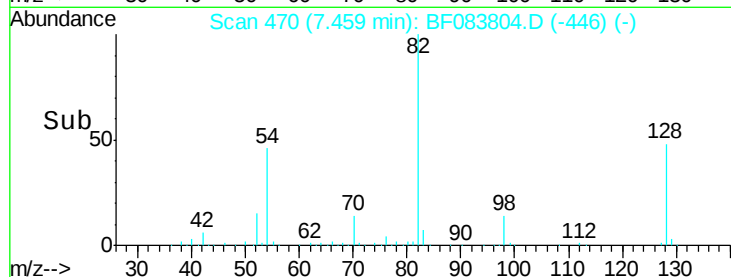
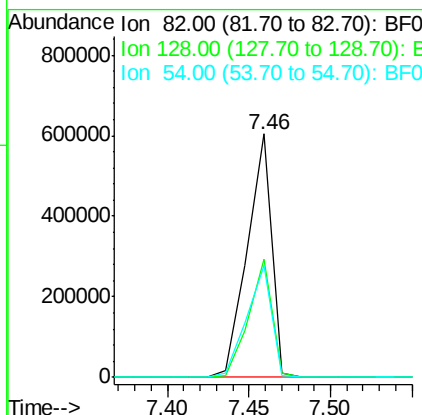
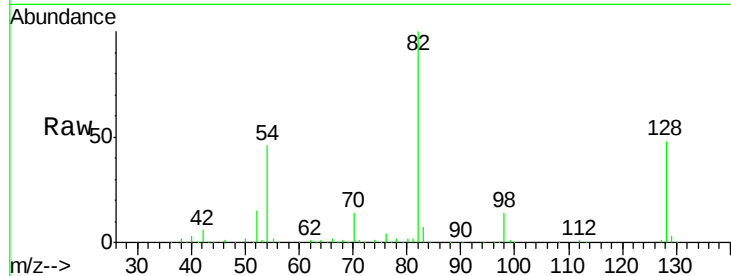




#23
 Nitrobenzene-d5
 Concen: 86.08 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.02 min
 Lab File: BF083804.D
 Acq: 15 Dec 2015 8:14

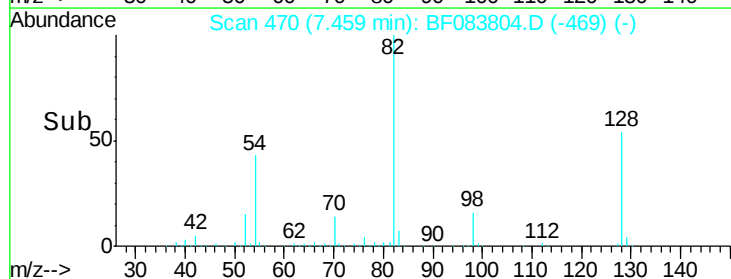
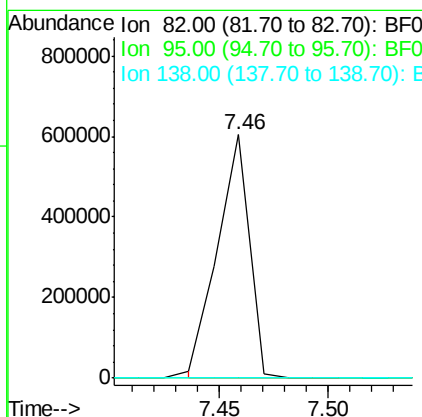
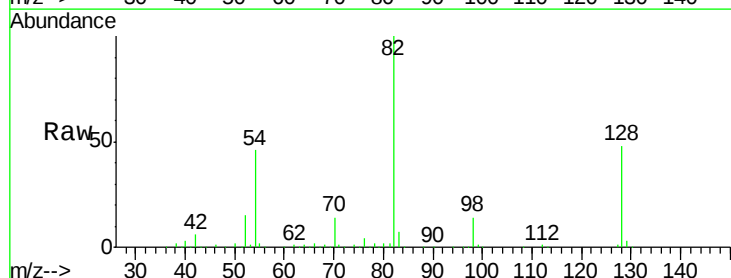
Instrument :
 BNA_F
 ClientSampleId :

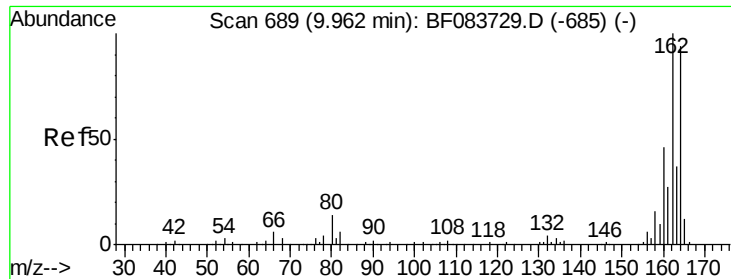
Tot Ion: 82 Resp: 625466
 Ion Ratio Lower Upper
 82 100
 128 48.3 30.7 46.1#
 54 45.8 42.5 63.7



#25
 Isophorone
 Concen: 43.07 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.29 min
 Lab File: BF083804.D
 Acq: 15 Dec 2015 8:14

Tgt Ion: 82 Resp: 614013
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.0 7.4#
 138 0.0 12.1 18.1#

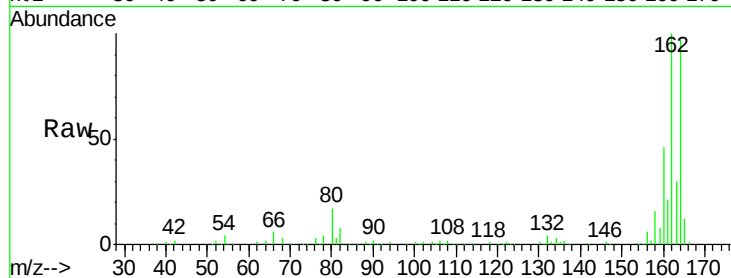




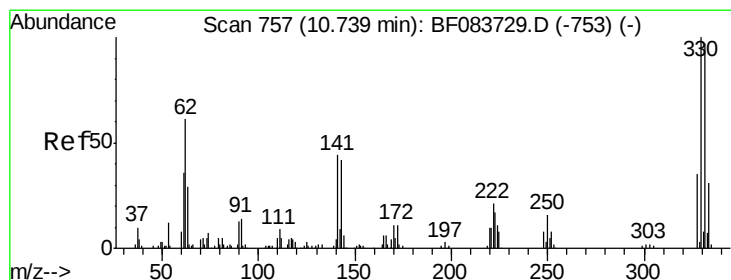
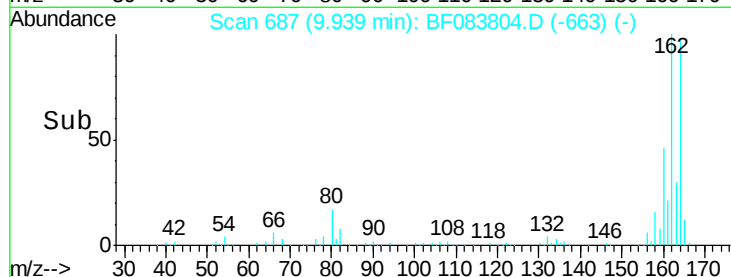
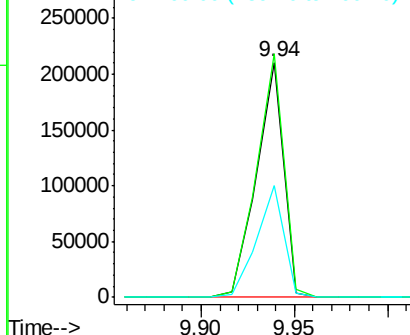
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.02 min
 Lab File: BF083804.D
 Acq: 15 Dec 2015 8:14

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:164 Resp: 210777
 Ion Ratio Lower Upper
 164 100
 162 103.6 78.8 118.2
 160 47.4 33.4 50.2

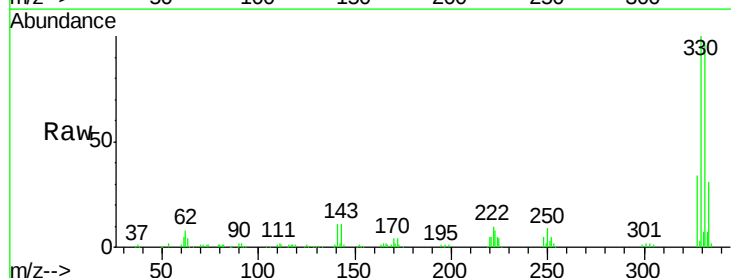


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

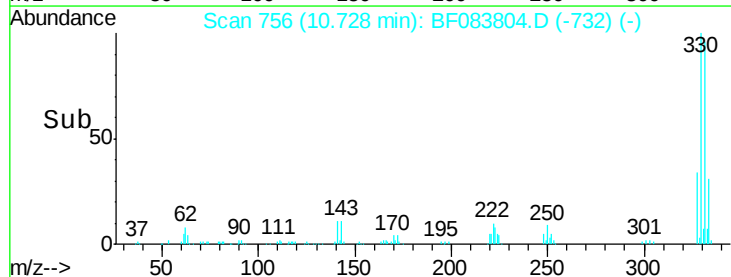
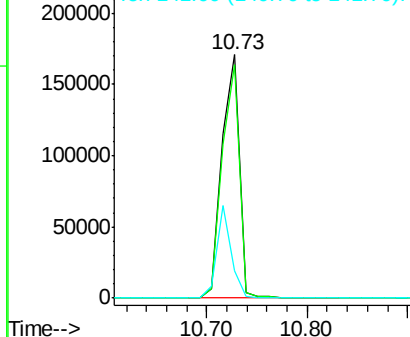


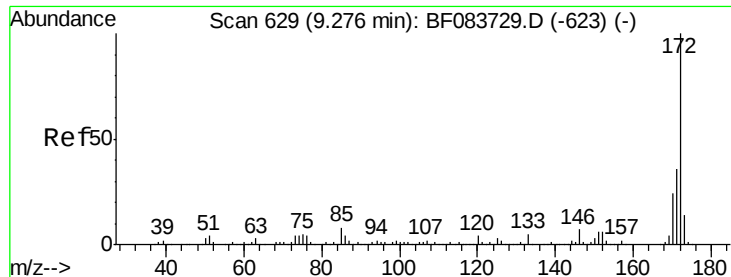
#41
 2,4,6-Tribromophenol
 Concen: 96.07 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: BF083804.D
 Acq: 15 Dec 2015 8:14

Tgt Ion:330 Resp: 206344
 Ion Ratio Lower Upper
 330 100
 332 95.2 0.0 0.0#
 141 31.5 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



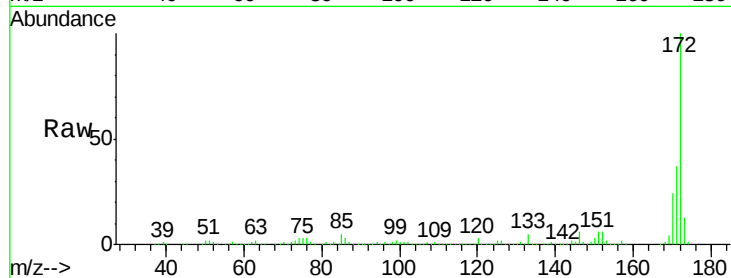


#44
 2-Fluorobiphenyl
 Concen: 87.23 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.02 min
 Lab File: BF083804.D
 Acq: 15 Dec 2015 8:14

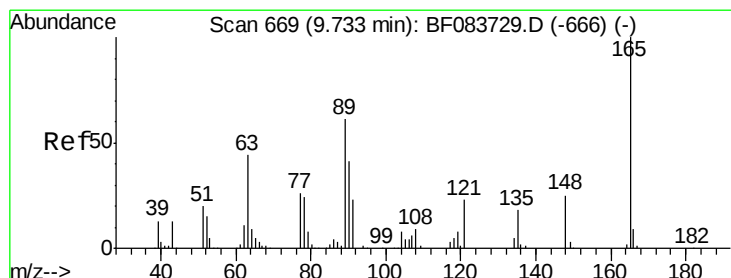
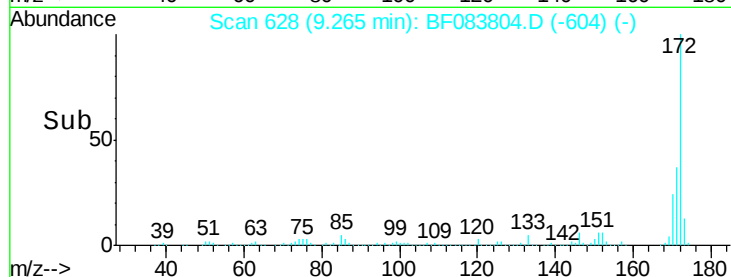
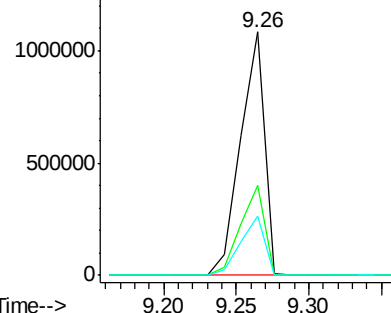
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1244852

Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.6	42.8
170	24.2	19.4	29.0



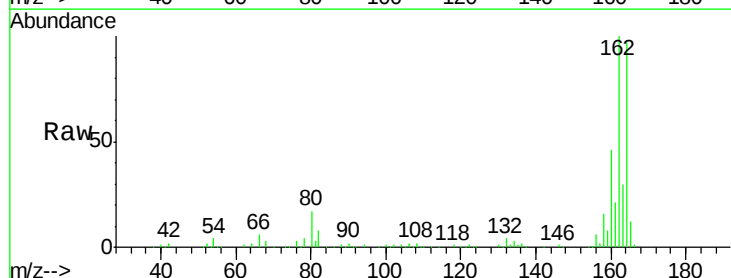
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



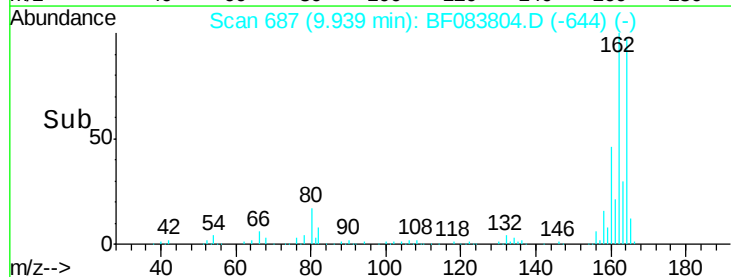
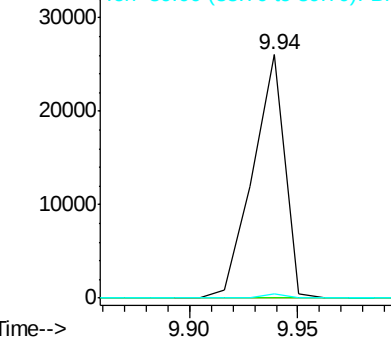
#50
 2,6-Dinitrotoluene
 Concen: 7.74 ng
 RT: 9.94 min Scan# 687
 Delta R.T. 0.20 min
 Lab File: BF083804.D
 Acq: 15 Dec 2015 8:14

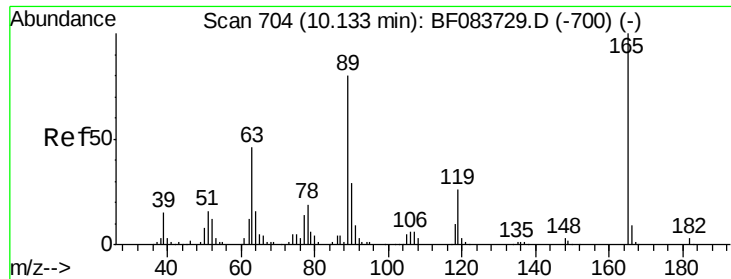
Tgt Ion:165 Resp: 26986

Ion	Ratio	Lower	Upper
165	100		
63	0.0	56.9	85.3#
89	1.5	52.1	78.1#



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

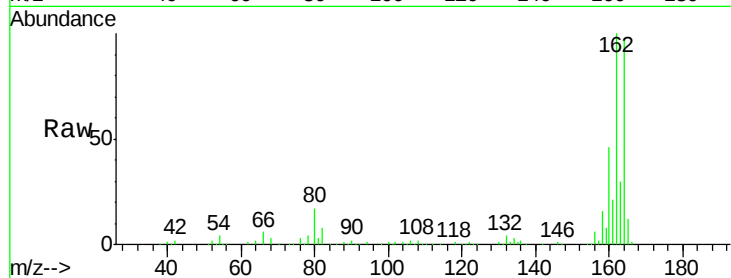




#56
 2,4-Dinitrotoluene
 Concen: 5.92 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.20 min
 Lab File: BF083804.D
 Acq: 15 Dec 2015 8:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.4	77.2#
89	1.5	72.6	108.8#
182	0.0	1.4	2.0#

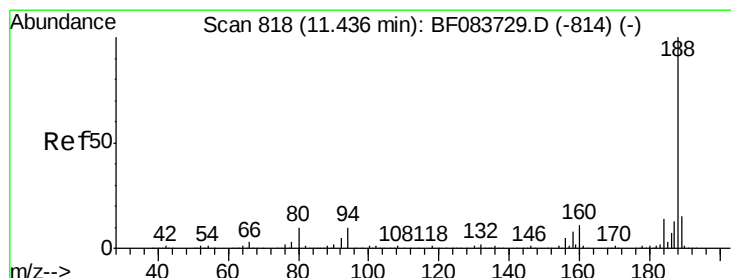
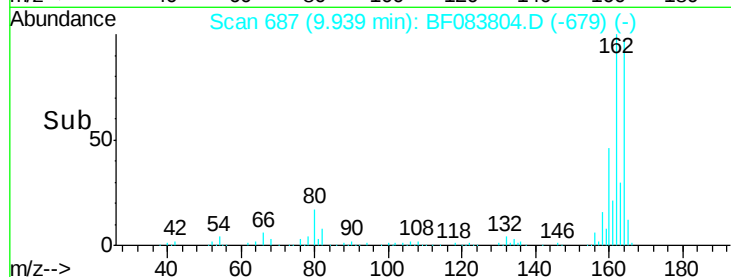
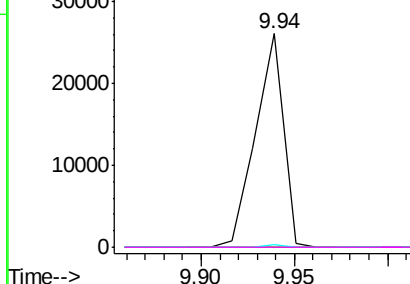


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

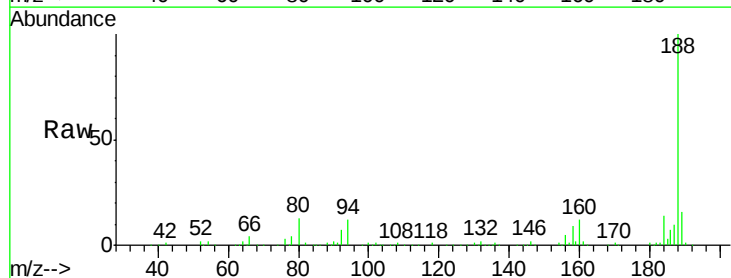
Ion 89.00 (88.70 to 89.70): BF0

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: BF083804.D
 Acq: 15 Dec 2015 8:14

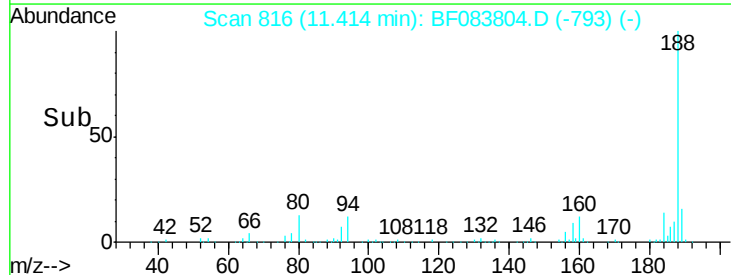
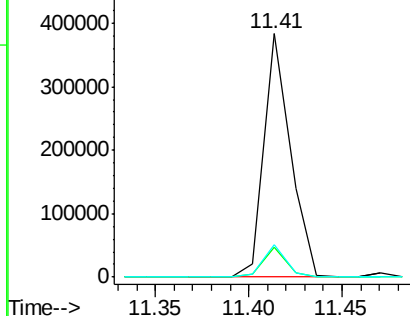
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.0	9.4	14.2
80	13.2	10.6	16.0

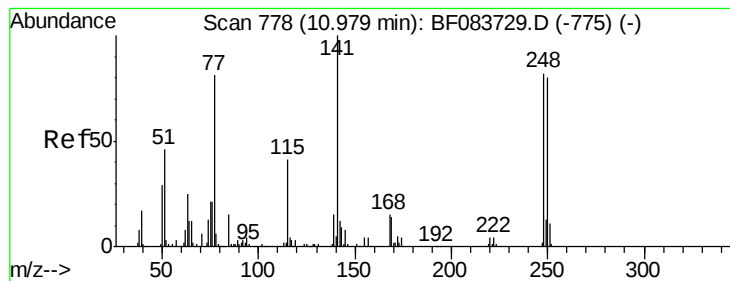


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.11 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.27 min

Lab File: BF083804.D

Acq: 15 Dec 2015 8:14

Instrument :

BNA_F

ClientSampled :

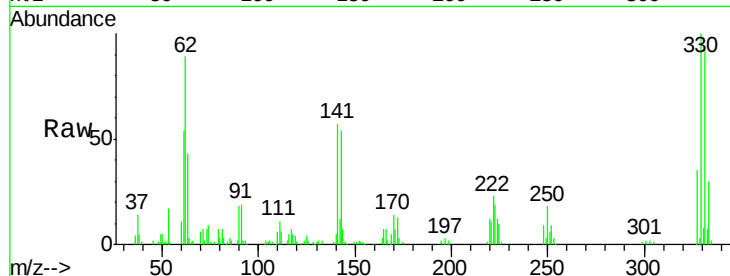
Tot Ion:248 Resp: 13077

Ion Ratio Lower Upper

248 100

250 202.4 79.2 118.8#

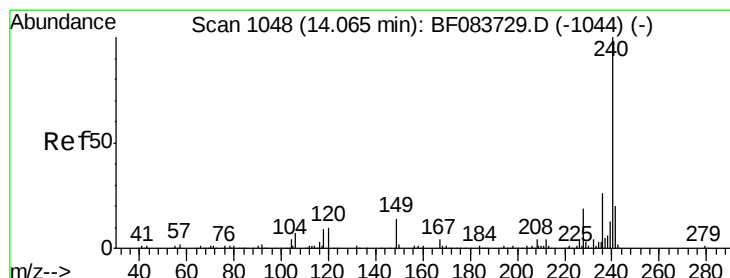
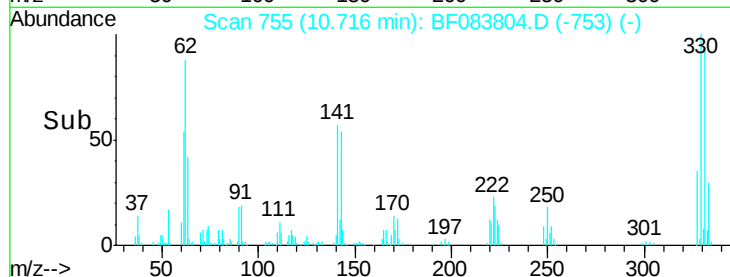
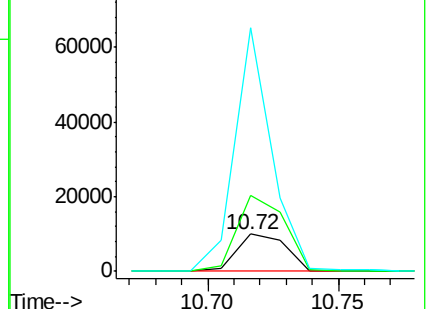
141 649.7 58.2 87.4#



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: BF083804.D

Acq: 15 Dec 2015 8:14

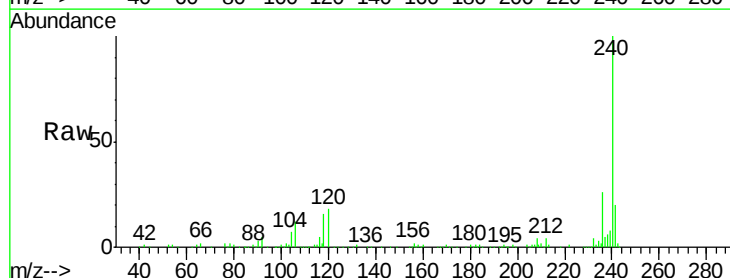
Tgt Ion:240 Resp: 319949

Ion Ratio Lower Upper

240 100

120 17.6 8.1 12.1#

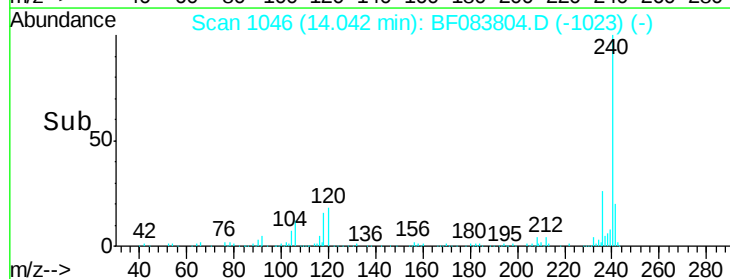
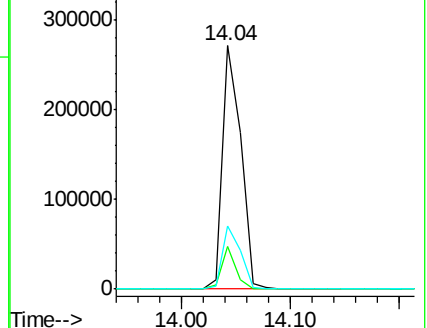
236 25.9 20.8 31.2

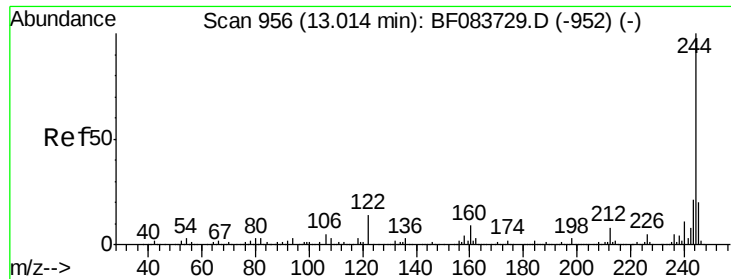


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



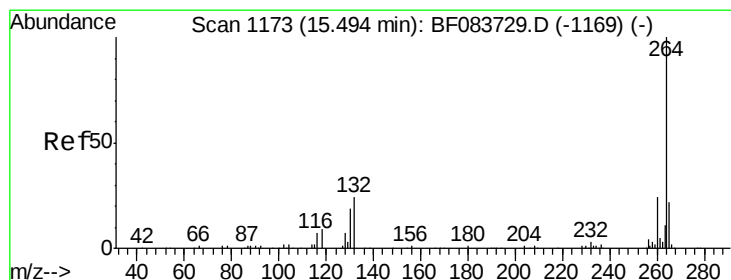
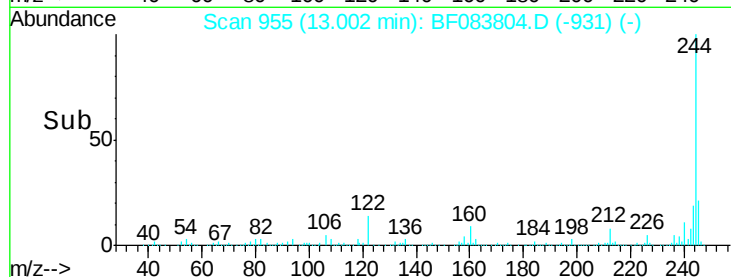
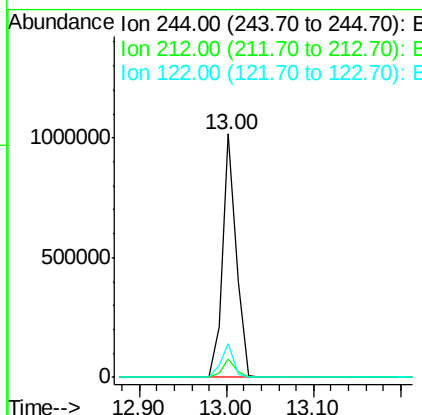
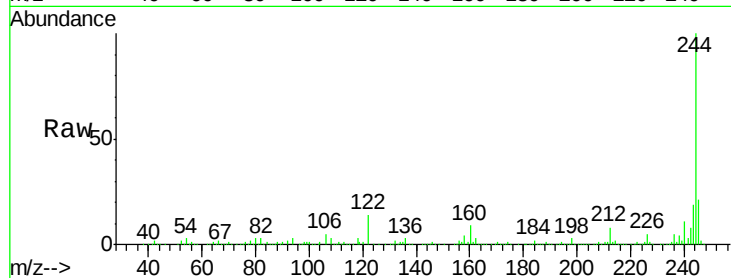


#78
 Terphenyl-d14
 Concen: 75.64 ng
 RT: 13.00 min Scan# 955
 Delta R.T. -0.02 min
 Lab File: BF083804.D
 Acq: 15 Dec 2015 8:14

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1125033

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	13.6	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: BF083804.D
 Acq: 15 Dec 2015 8:14

Tgt Ion:264 Resp: 251034

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.0
265	21.7	17.8	26.6

