

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
 Data File : BF089388.D
 Acq On : 29 Jul 2016 3:33
 Operator : UM/SJ
 Sample : H4221-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-46-6.0-7.0

Quant Time: Jul 29 07:05:04 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

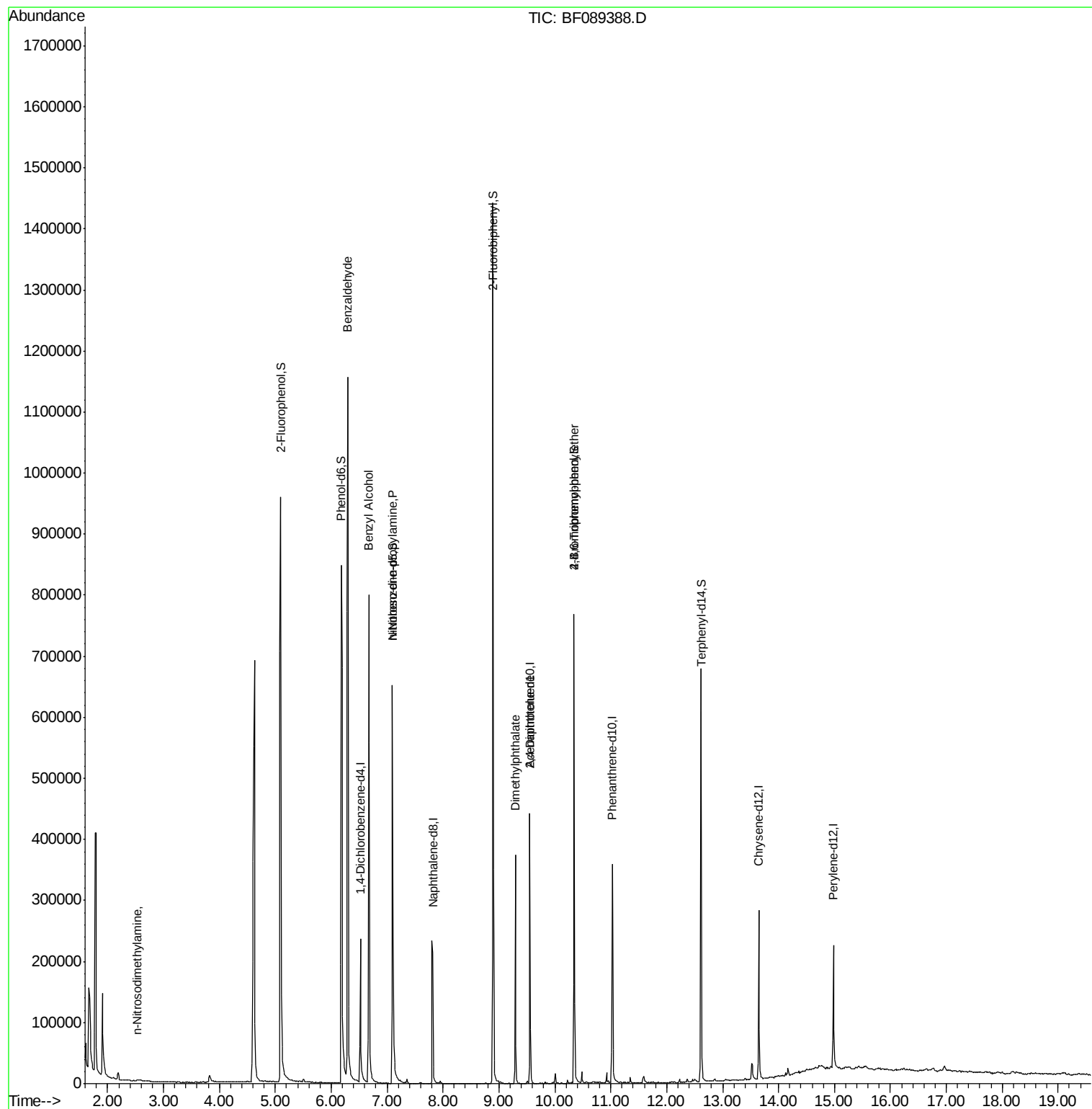
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	46777	20.00	ng	-0.02
21) Naphthalene-d8	7.82	136	182497	20.00	ng	-0.01
38) Acenaphthene-d10	9.55	164	83975	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	142028	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	101261	20.00	ng	-0.02
86) Perylene-d12	14.98	264	82116	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	411806	140.57	ng	-0.01
7) Phenol-d6	6.18	99	522675	135.00	ng	-0.02
23) Nitrobenzene-d5	7.10	82	299391	96.83	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	77179	110.97	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	491040	85.82	ng	-0.02
78) Terphenyl-d14	12.62	244	311533	72.01	ng	-0.01
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	2.52	42	226	7.89	ng	# 1
9) Benzaldehyde	6.30	77	10275	5.44	ng	83
15) Benzyl Alcohol	6.67	79	4910	2.04	ng	# 50
19) n-Nitroso-di-n-propylamine	7.10	70	40246	17.24	ng	# 82
49) Dimethylphthalate	9.29	163	144228	22.57	ng	99
56) 2,4-Dinitrotoluene	9.55	165	10630	6.15	ng	# 7
66) 4-Bromophenyl-phenylether	10.34	248	5842	4.31	ng	# 1

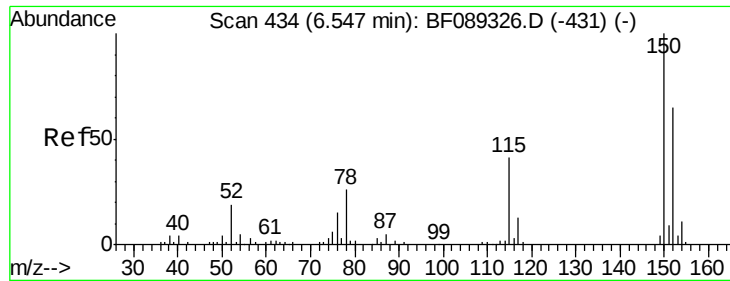
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
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QLast Update : Thu Jul 28 16:02:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.52 min Scan# 432

Delta R.T. -0.02 min

Lab File: BF089388.D

Acq: 29 Jul 2016 3:33

Instrument :

BNA_F

ClientSampleId :

SB-46-6.0-7.0

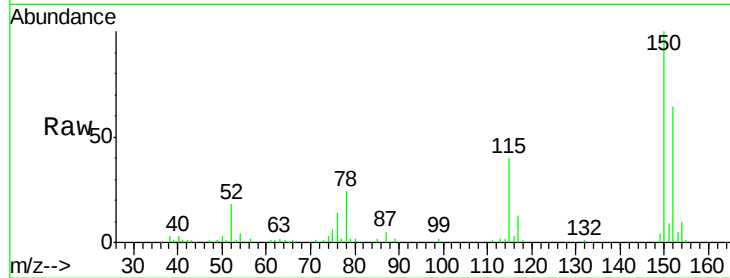
Tgt Ion:152 Resp: 46777

Ion Ratio Lower Upper

152 100

150 156.5 129.5 194.3

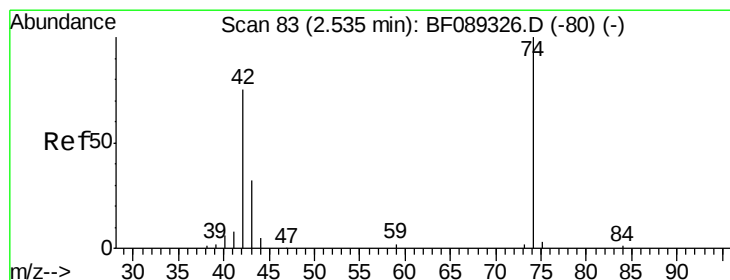
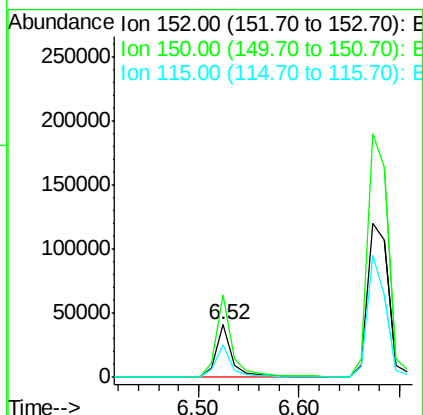
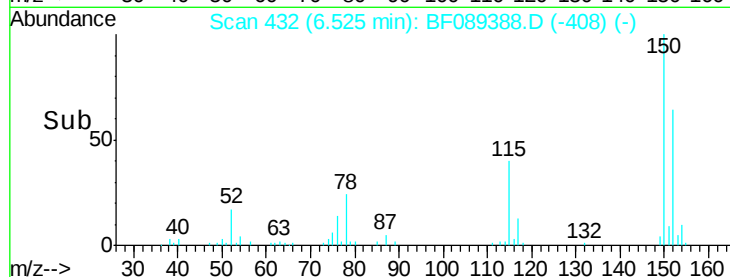
115 62.8 51.4 77.2



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



#4

n-Nitrosodimethylamine

Concen: 7.89 ng

RT: 2.52 min Scan# 82

Delta R.T. -0.01 min

Lab File: BF089388.D

Acq: 29 Jul 2016 3:33

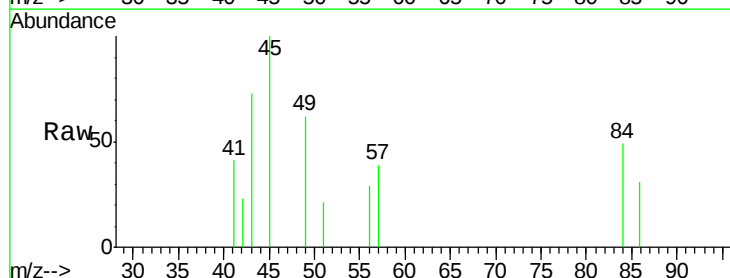
Tgt Ion: 42 Resp: 226

Ion Ratio Lower Upper

42 100

74 0.0 110.8 166.2#

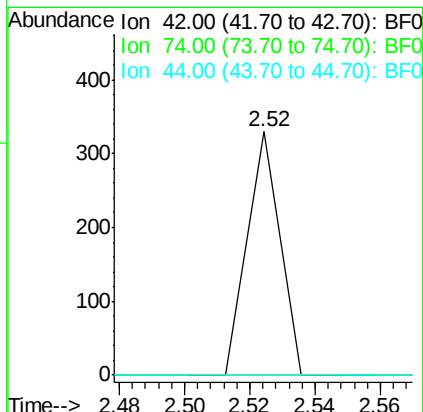
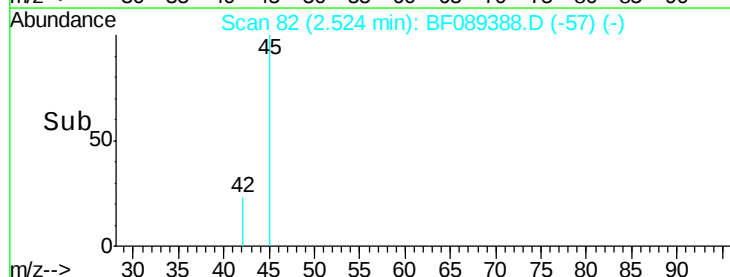
44 0.0 5.2 7.8#

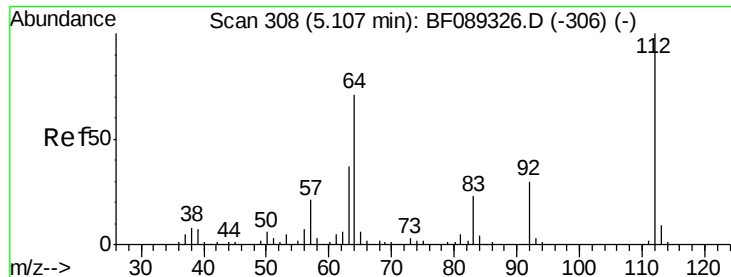


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 140.57 ng

RT: 5.10 min Scan# 307

Delta R.T. -0.01 min

Lab File: BF089388.D

Acq: 29 Jul 2016 3:33

Instrument :

BNA_F

ClientSampleId :

SB-46-6.0-7.0

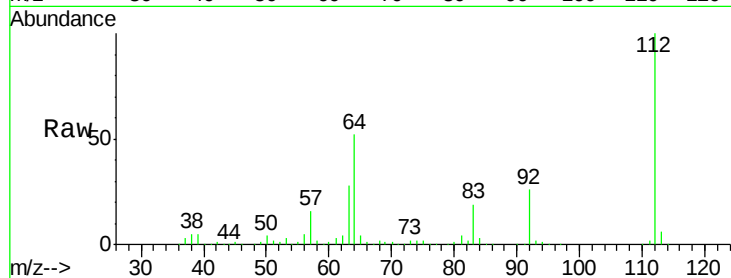
Tgt Ion: 112 Resp: 411806

Ion Ratio Lower Upper

112 100

64 51.8 55.0 82.6#

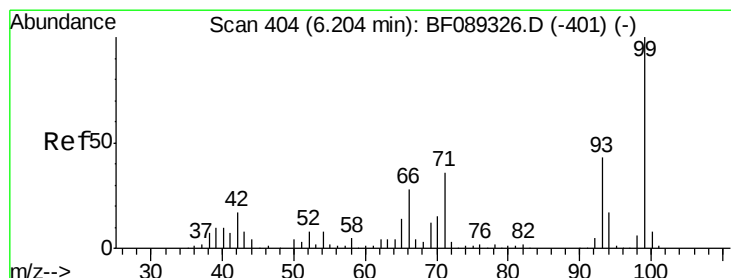
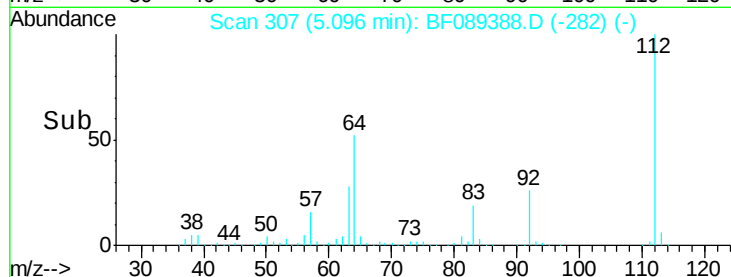
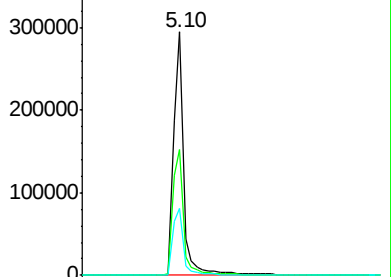
63 27.8 29.4 44.2#



Abundance Ion 112.00 (111.70 to 112.70): BF089326.D (-306) (-)

Ion 64.00 (63.70 to 64.70): BF089326.D (-306) (-)

Ion 63.00 (62.70 to 63.70): BF089326.D (-306) (-)



#7

Phenol-d6

Concen: 135.00 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF089388.D

Acq: 29 Jul 2016 3:33

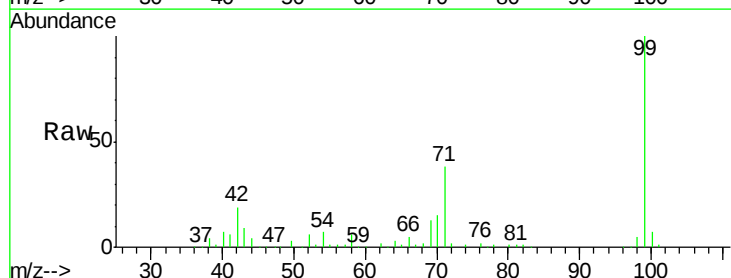
Tgt Ion: 99 Resp: 522675

Ion Ratio Lower Upper

99 100

42 18.7 13.6 20.4

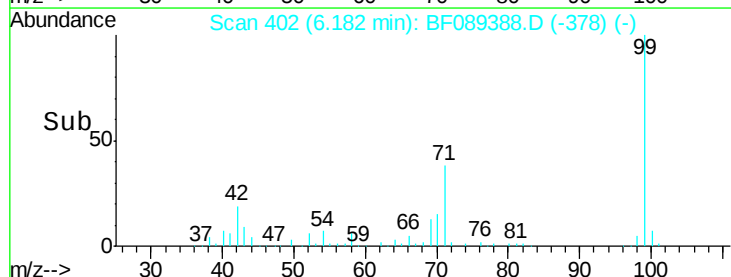
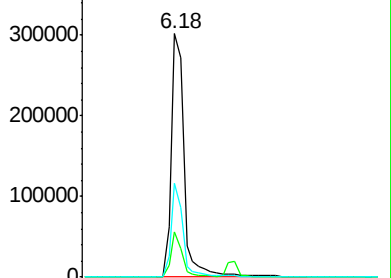
71 38.3 29.4 44.2

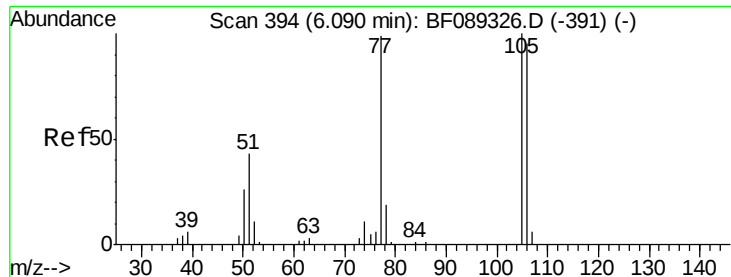


Abundance Ion 99.00 (98.70 to 99.70): BF089326.D (-401) (-)

Ion 42.00 (41.70 to 42.70): BF089326.D (-401) (-)

Ion 71.00 (70.70 to 71.70): BF089326.D (-401) (-)





#9

Benzaldehyde

Concen: 5.44 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.21 min

Lab File: BF089388.D

Acq: 29 Jul 2016 3:33

Instrument :

BNA_F

ClientSampleId :

SB-46-6.0-7.0

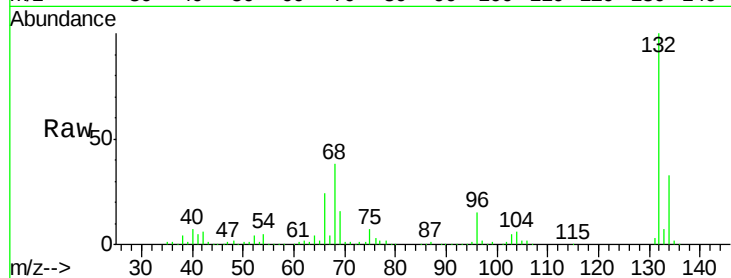
Tgt Ion: 77 Resp: 10275

Ion Ratio Lower Upper

77 100

105 85.4 82.9 122.9

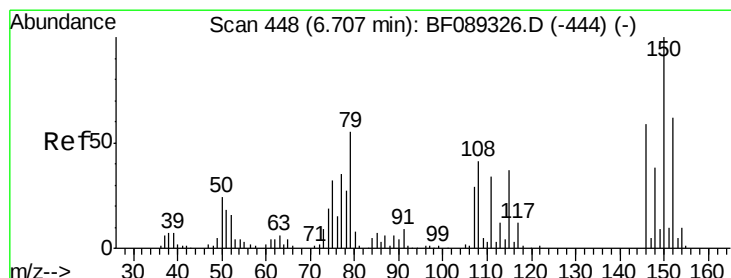
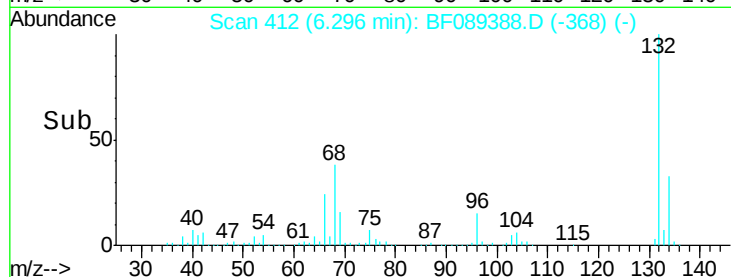
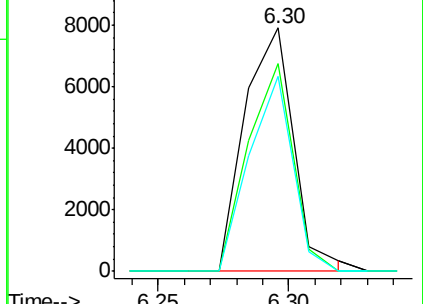
106 79.9 75.9 115.9



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: 2.04 ng

RT: 6.67 min Scan# 445

Delta R.T. -0.03 min

Lab File: BF089388.D

Acq: 29 Jul 2016 3:33

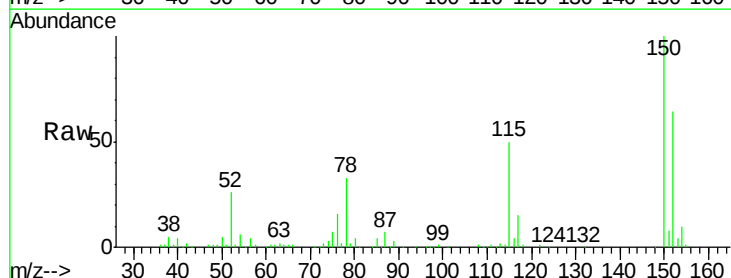
Tgt Ion: 79 Resp: 4910

Ion Ratio Lower Upper

79 100

108 28.9 59.8 89.6#

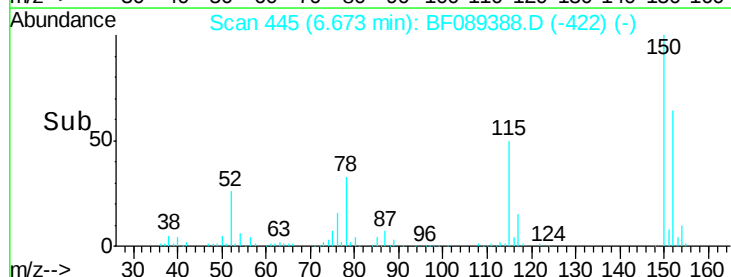
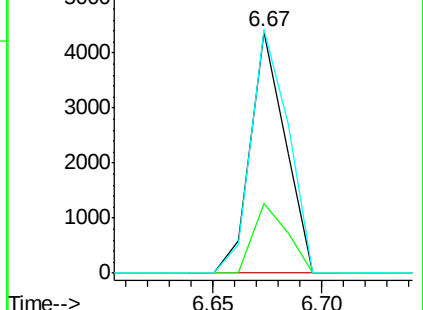
77 100.9 51.7 77.5#

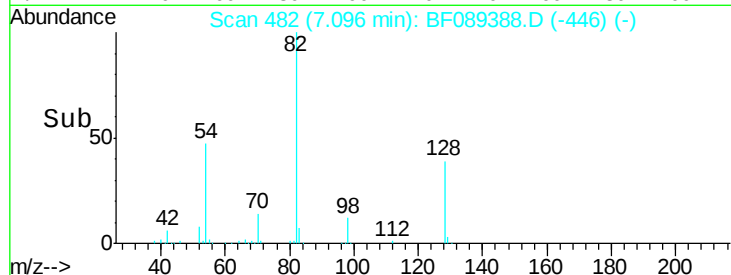
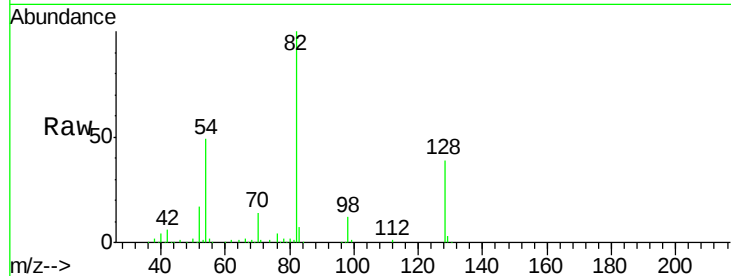
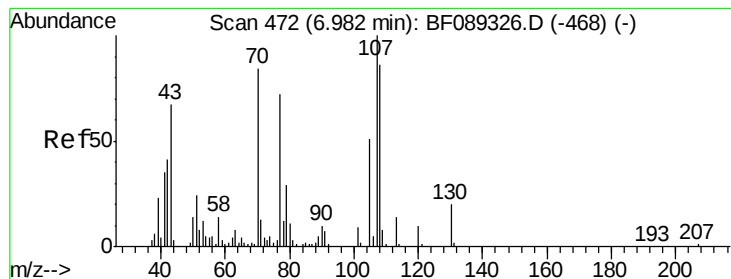


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 17.24 ng

RT: 7.10 min Scan# 482

Delta R.T. 0.11 min

Lab File: BF089388.D

Acq: 29 Jul 2016 3:33

Instrument :

BNA_F

ClientSampleId :

SB-46-6.0-7.0

Tgt Ion: 70 Resp: 40246

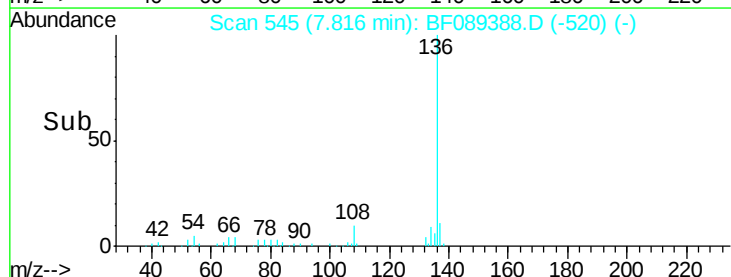
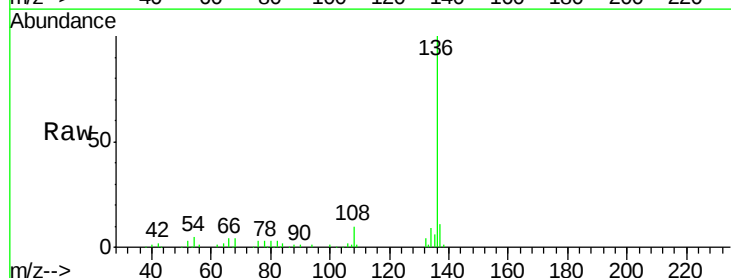
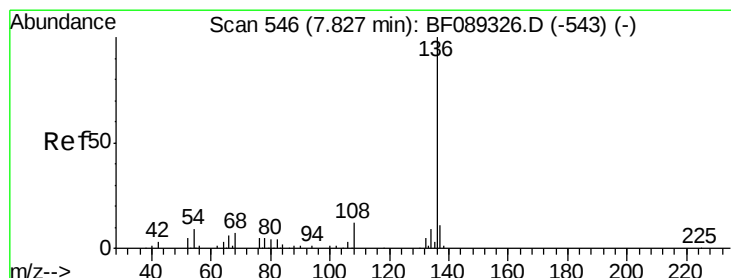
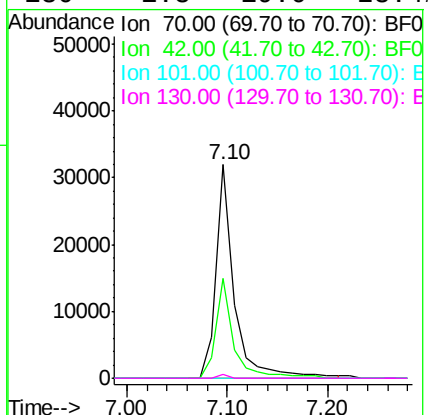
Ion Ratio Lower Upper

70 100

42 46.7 38.6 57.8

101 0.0 8.3 12.5#

130 1.8 19.0 28.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.82 min Scan# 545

Delta R.T. -0.01 min

Lab File: BF089388.D

Acq: 29 Jul 2016 3:33

Tgt Ion: 136 Resp: 182497

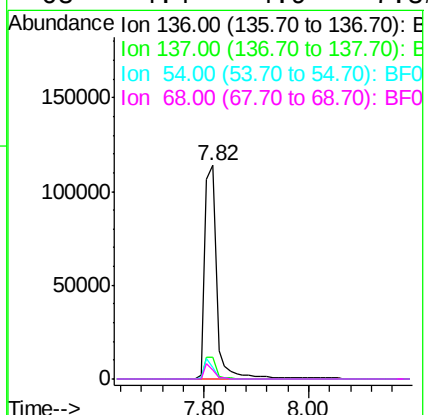
Ion Ratio Lower Upper

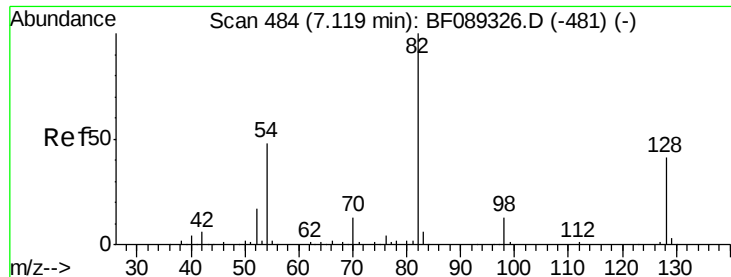
136 100

137 10.5 8.6 13.0

54 5.2 7.0 10.4#

68 4.4 4.9 7.3#

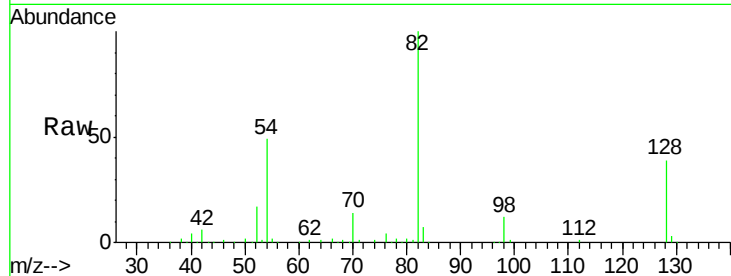




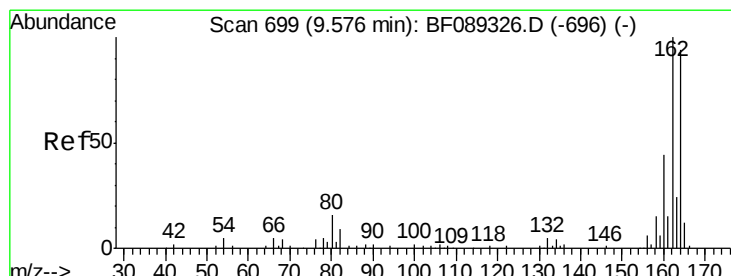
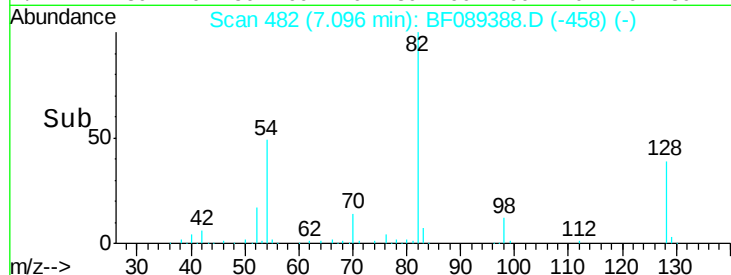
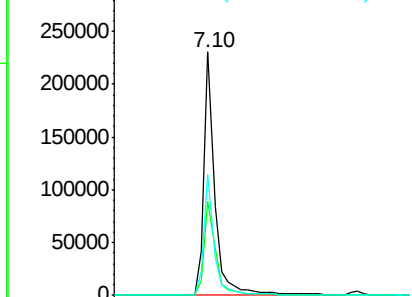
#23
 Nitrobenzene-d5
 Concen: 96.83 ng
 RT: 7.10 min Scan# 482
 Delta R.T. -0.02 min
 Lab File: BF089388.D
 Acq: 29 Jul 2016 3:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-46-6.0-7.0

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.6	32.5	48.7
54	49.4	38.8	58.2

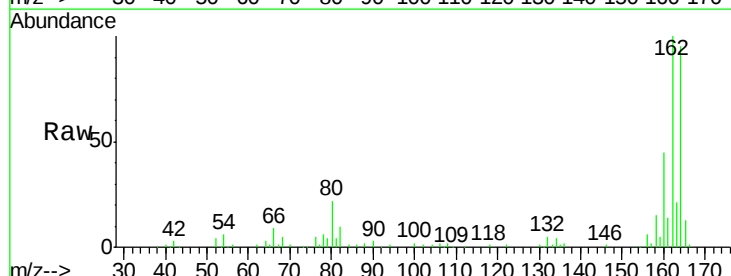


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

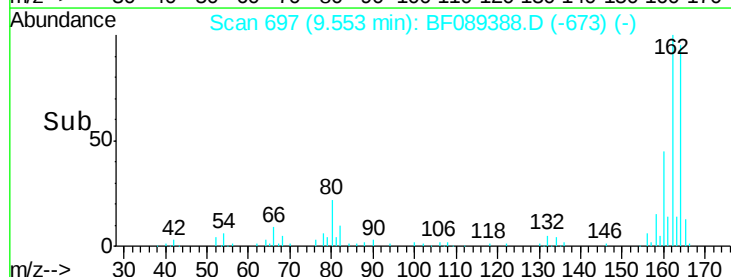
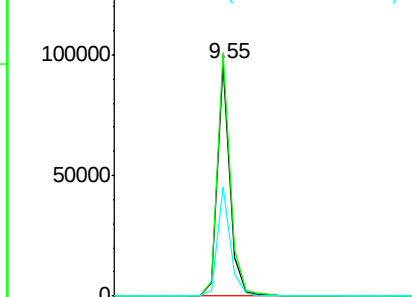


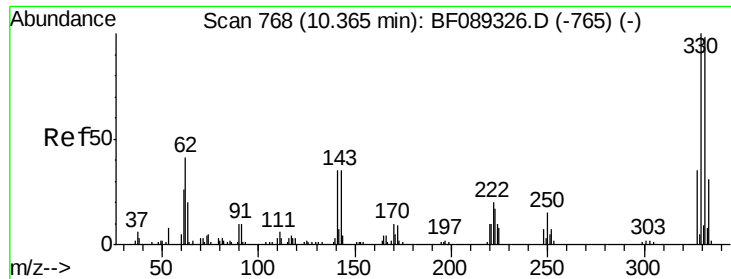
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: BF089388.D
 Acq: 29 Jul 2016 3:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	83.7	125.5
160	47.1	37.8	56.6



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

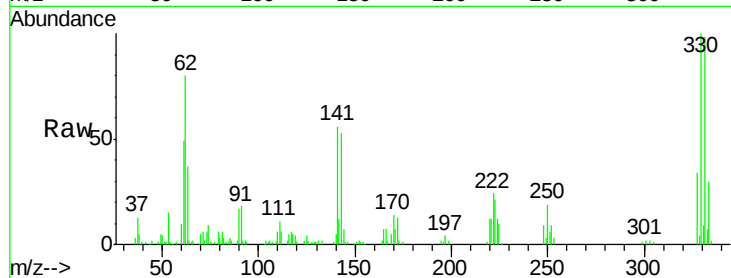




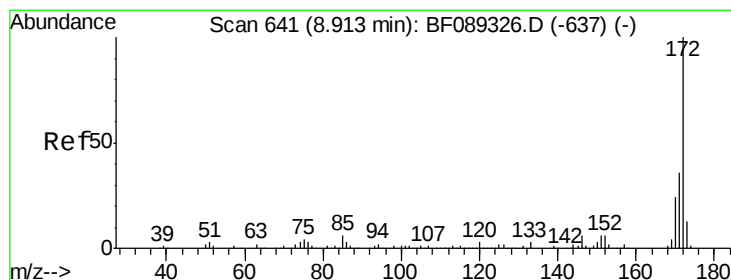
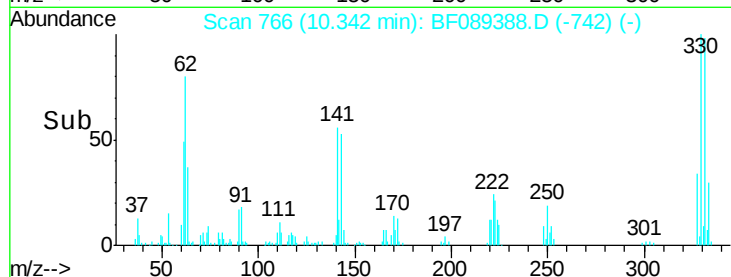
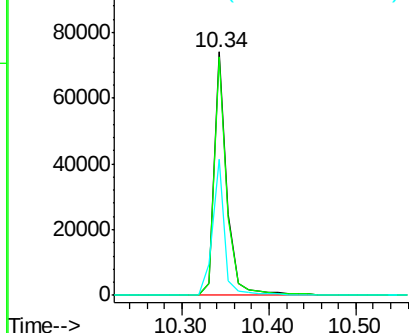
#41
 2,4,6-Tribromophenol
 Concen: 110.97 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089388.D
 Acq: 29 Jul 2016 3:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-46-6.0-7.0

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.8	115.2
141	52.2	37.3	55.9

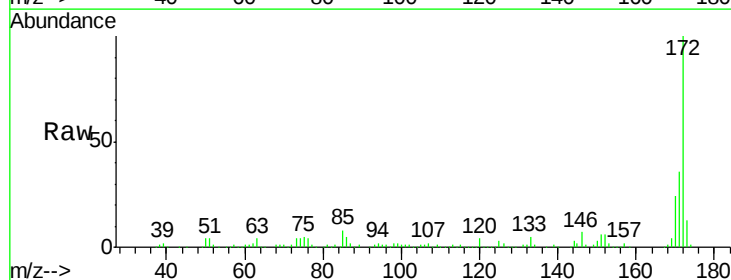


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

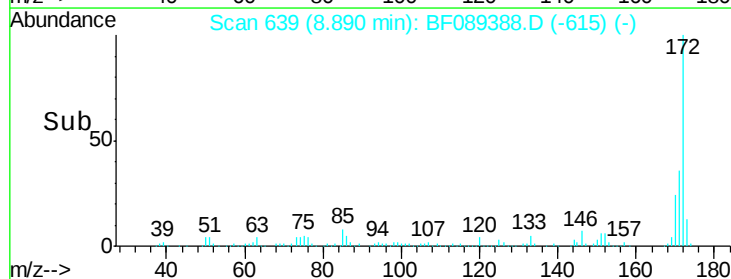
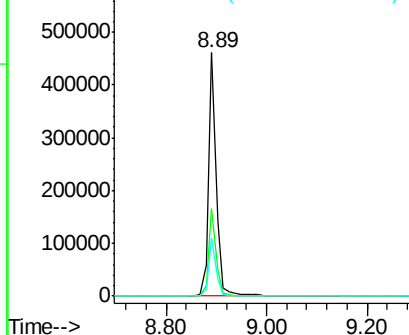


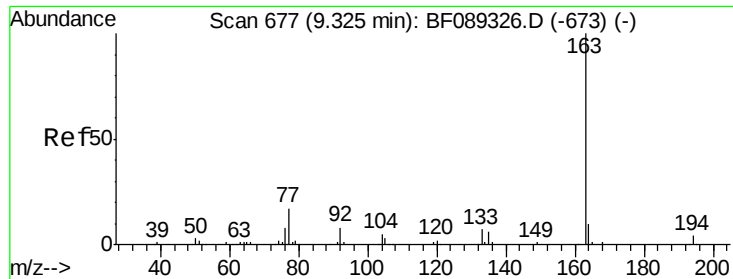
#44
 2-Fluorobiphenyl
 Concen: 85.82 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089388.D
 Acq: 29 Jul 2016 3:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.2	43.8
170	23.6	19.2	28.8



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

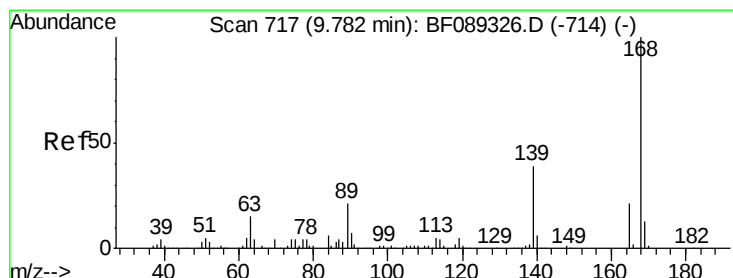
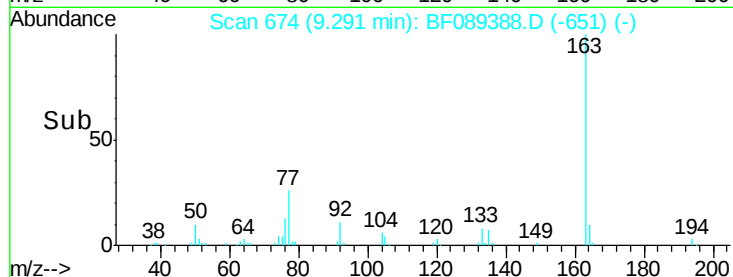
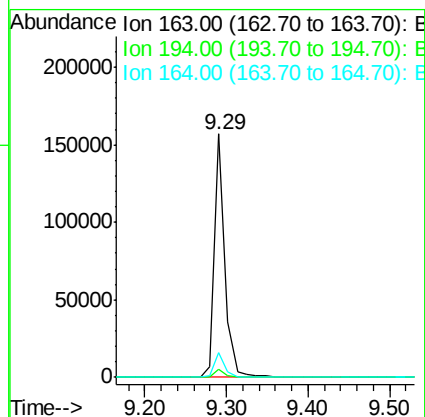
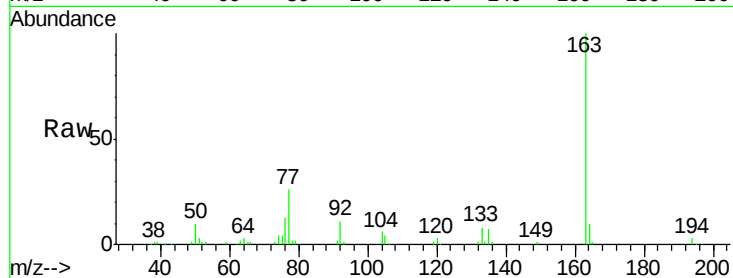




#49
Dimethylphthalate
Concen: 22.57 ng
RT: 9.29 min Scan# 674
Delta R.T. -0.03 min
Lab File: BF089388.D
Acq: 29 Jul 2016 3:33

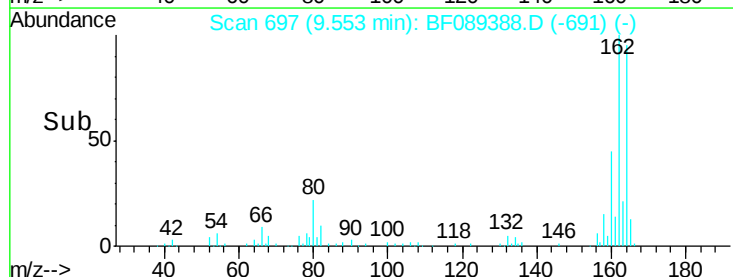
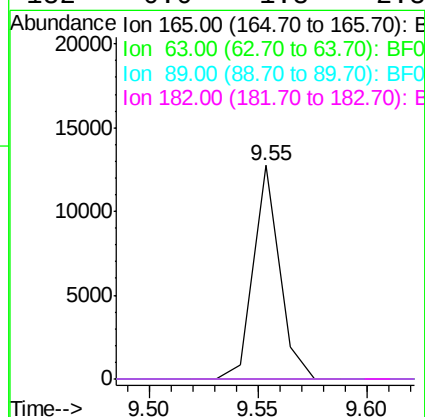
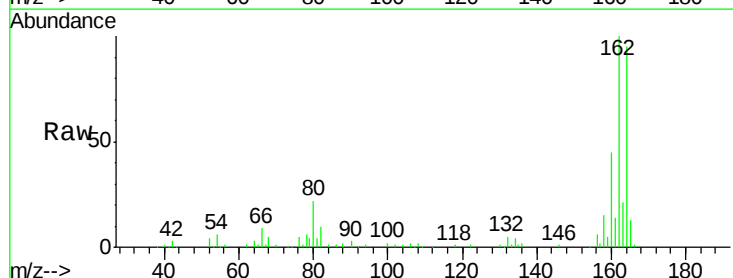
Instrument :
BNA_F
ClientSampleId :
SB-46-6.0-7.0

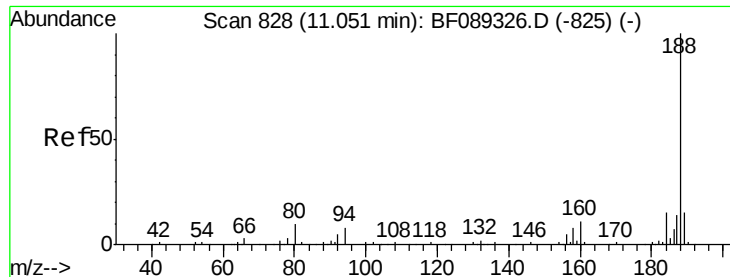
Tgt Ion:163 Resp: 144228
Ion Ratio Lower Upper
163 100
194 3.1 2.8 4.2
164 10.0 7.8 11.8



#56
2,4-Dinitrotoluene
Concen: 6.15 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.23 min
Lab File: BF089388.D
Acq: 29 Jul 2016 3:33

Tgt Ion:165 Resp: 10630
Ion Ratio Lower Upper
165 100
63 0.0 58.2 87.2#
89 0.0 79.1 118.7#
182 0.0 1.8 2.8#

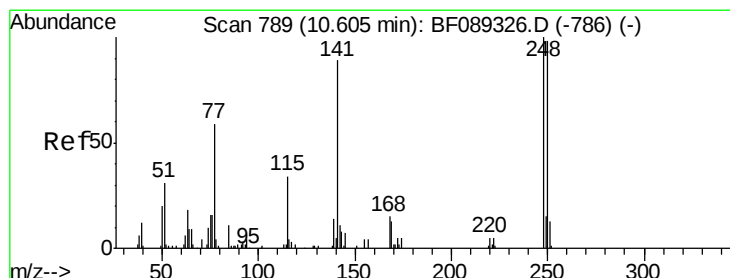
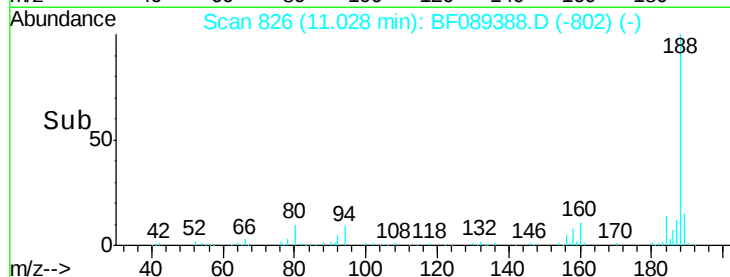
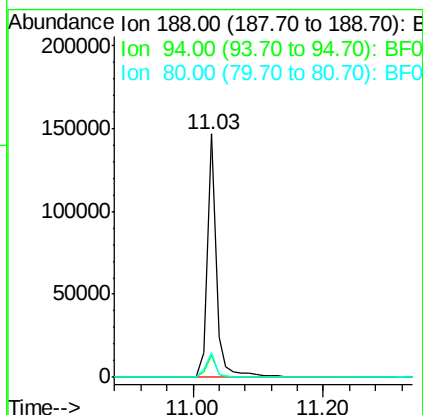
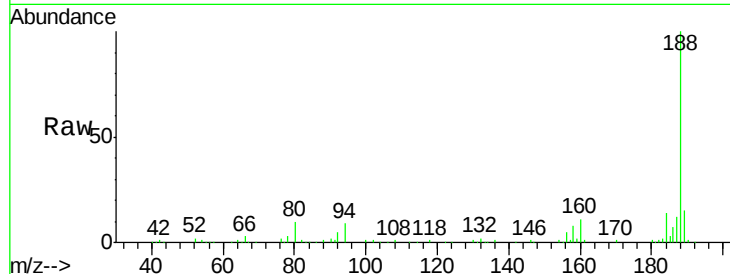




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: BF089388.D
 Acq: 29 Jul 2016 3:33

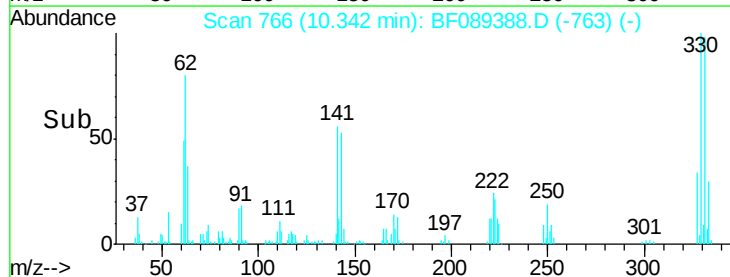
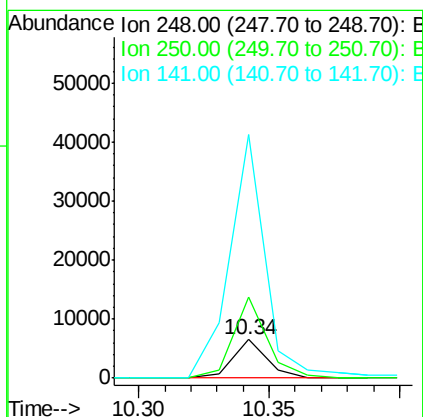
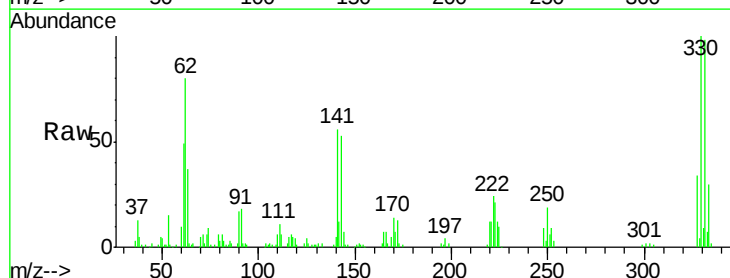
Instrument :
 BNA_F
 ClientSampleId :
 SB-46-6.0-7.0

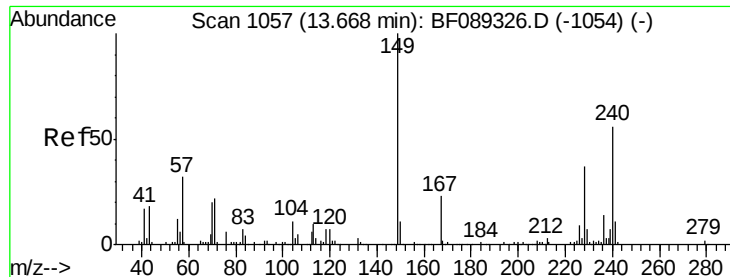
Tgt Ion:188 Resp: 142028
 Ion Ratio Lower Upper
 188 100
 94 8.9 6.5 9.7
 80 10.0 7.2 10.8



#66
 4-Bromophenyl-phenylether
 Concen: 4.31 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.26 min
 Lab File: BF089388.D
 Acq: 29 Jul 2016 3:33

Tgt Ion:248 Resp: 5842
 Ion Ratio Lower Upper
 248 100
 250 212.4 78.2 117.2#
 141 634.3 62.0 93.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.65 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF089388.D

Acq: 29 Jul 2016 3:33

Instrument :

BNA_F

ClientSampleId :

SB-46-6.0-7.0

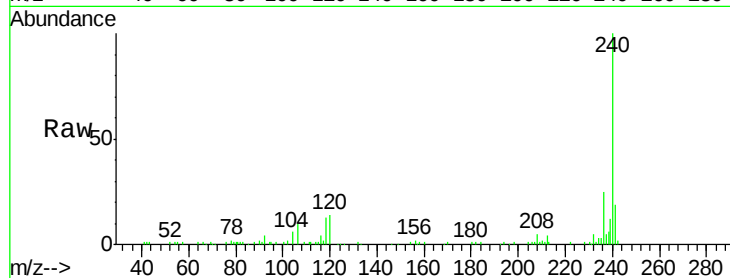
Tgt Ion:240 Resp: 101261

Ion Ratio Lower Upper

240 100

120 13.6 9.1 13.7

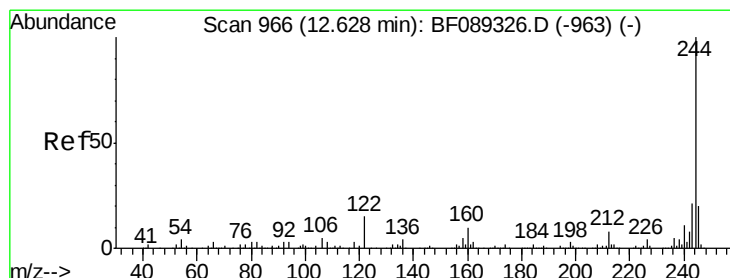
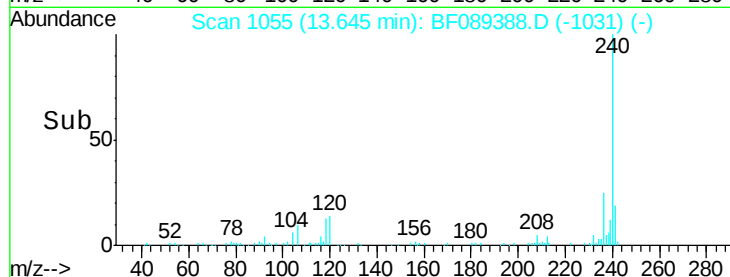
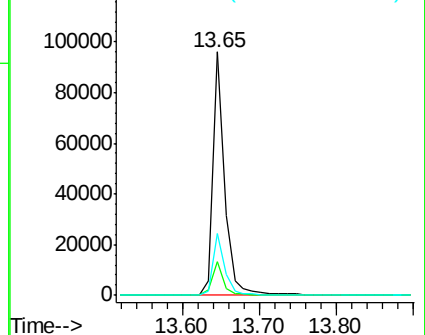
236 25.3 20.6 30.8



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: 72.01 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF089388.D

Acq: 29 Jul 2016 3:33

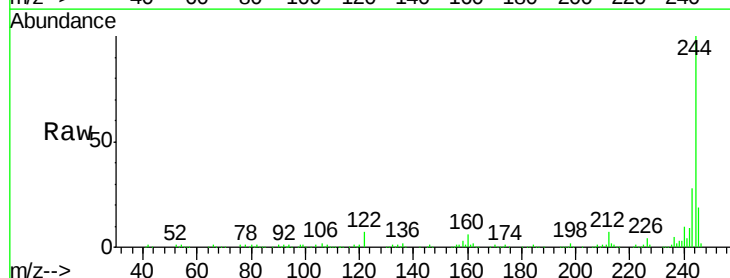
Tgt Ion:244 Resp: 311533

Ion Ratio Lower Upper

244 100

212 6.9 6.5 9.7

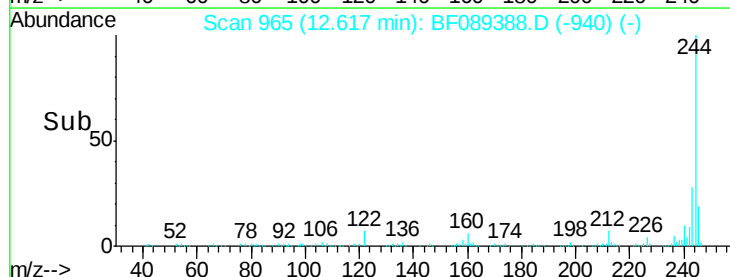
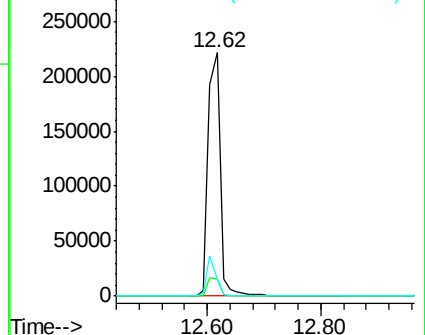
122 7.2 11.4 17.0#

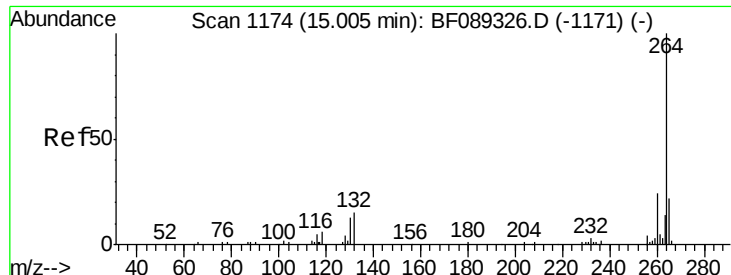


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

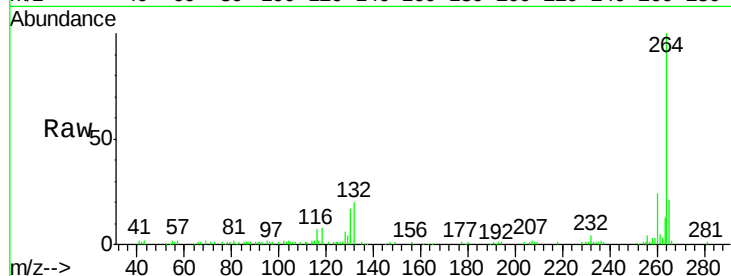




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089388.D
Acq: 29 Jul 2016 3:33

Instrument :
BNA_F
ClientSampleId :
SB-46-6.0-7.0

Tgt Ion: 264 Resp: 82116
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.4
265 21.3 17.5 26.3



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

