

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081616\
 Data File : BF089747.D
 Acq On : 17 Aug 2016 6:42
 Operator : UM/SJ
 Sample : H4399-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB080416

Quant Time: Aug 17 07:07:09 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 19:45:04 2016
 Response via : Initial Calibration

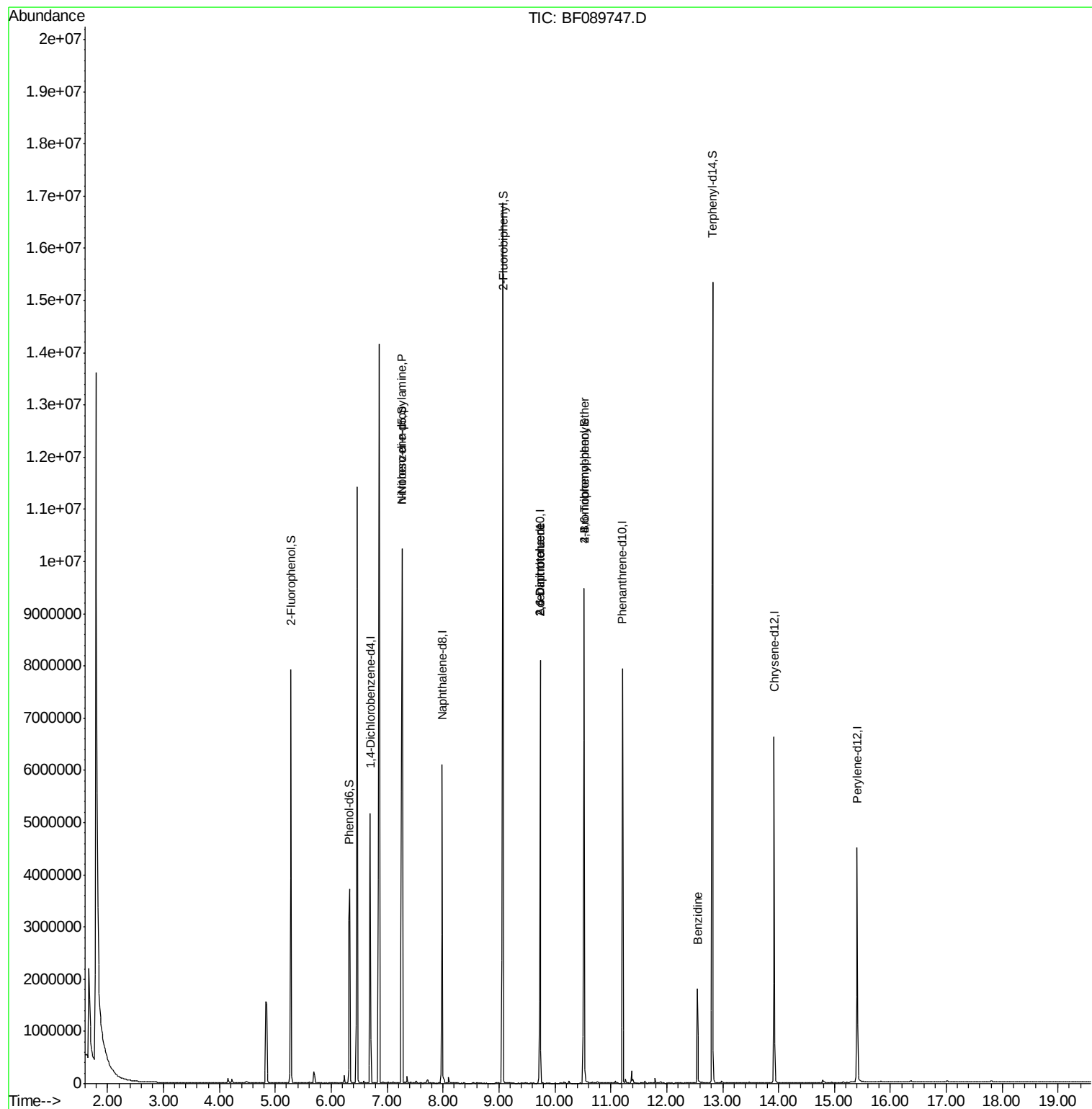
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	730425	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	3141791	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	1500927	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	2615776	20.00	ng	0.00
75) Chrysene-d12	13.92	240	2246198	20.00	ng	0.02
86) Perylene-d12	15.41	264	1888364	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	2533406	57.87	ng	0.00
7) Phenol-d6	6.33	99	1920921	34.50	ng	0.00
23) Nitrobenzene-d5	7.27	82	4035971	78.44	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	1519153	104.62	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	6728685	71.94	ng	0.00
78) Terphenyl-d14	12.82	244	5414320	72.01	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	565686	15.51	ng	# 73
50) 2,6-Dinitrotoluene	9.74	165	202330	8.23	ng	# 26
56) 2,4-Dinitrotoluene	9.74	165	202330	6.40	ng	# 35
66) 4-Bromophenyl-phenylether	10.52	248	92930	3.43	ng	# 1
76) Benzidine	12.55	184	805503	9.99	ng	98

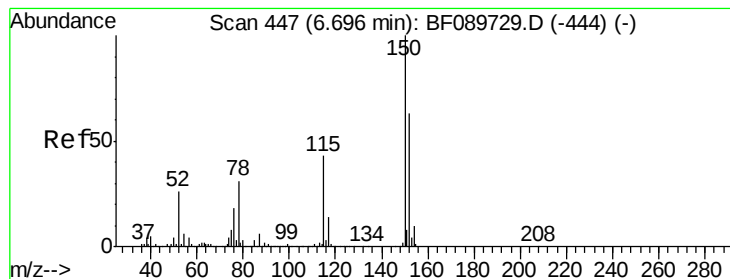
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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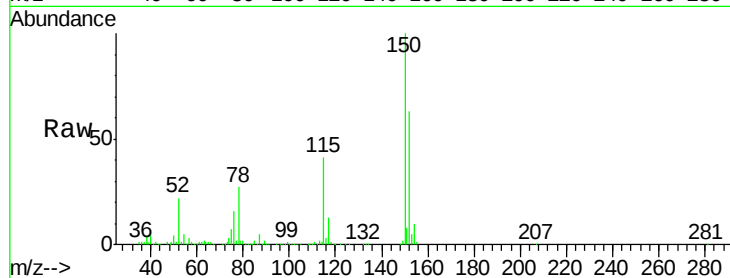




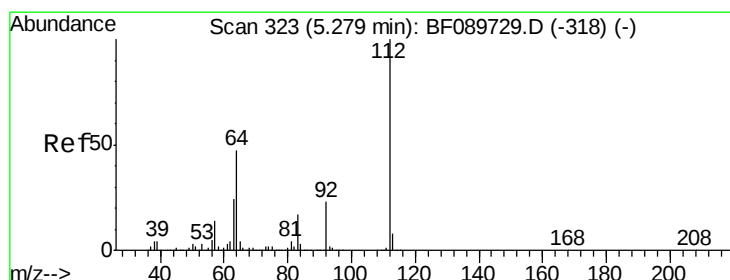
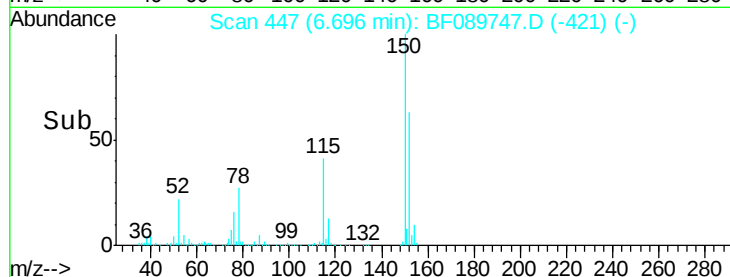
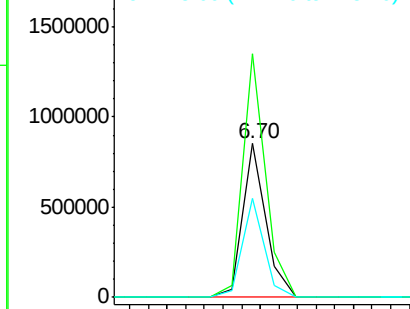
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.70 min Scan# 447
 Delta R.T. 0.00 min
 Lab File: BF089747.D
 Acq: 17 Aug 2016 6:42

Instrument :
 BNA_F
 ClientSampleId :
 FB080416

Tgt Ion:152 Resp: 730425
 Ion Ratio Lower Upper
 152 100
 150 158.7 125.3 187.9
 115 64.3 40.9 61.3#

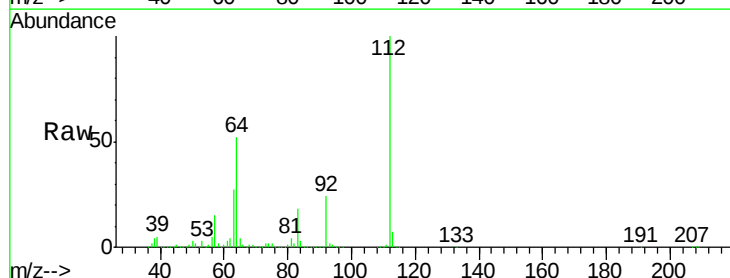


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

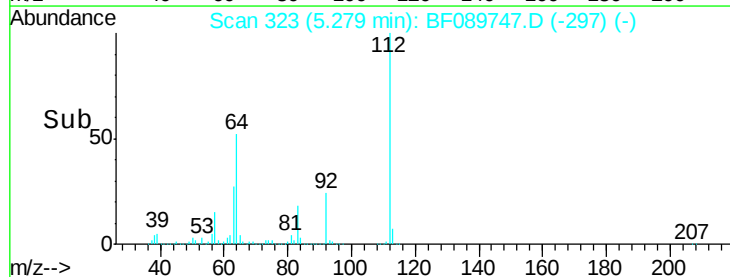
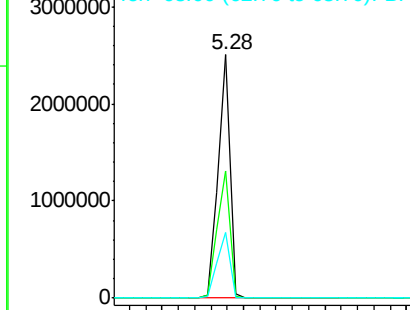


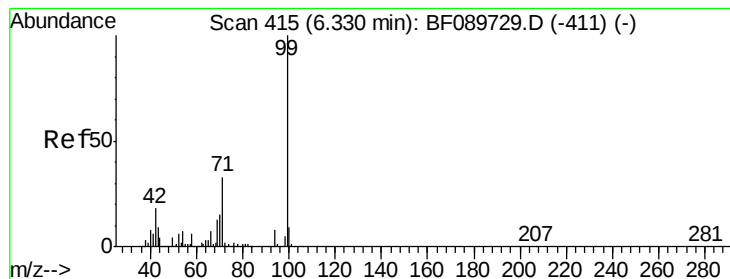
#5
 2-Fluorophenol
 Concen: 57.87 ng
 RT: 5.28 min Scan# 323
 Delta R.T. 0.00 min
 Lab File: BF089747.D
 Acq: 17 Aug 2016 6:42

Tgt Ion:112 Resp: 2533406
 Ion Ratio Lower Upper
 112 100
 64 52.1 45.0 67.4
 63 26.7 23.1 34.7



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: 34.50 ng

RT: 6.33 min Scan# 415

Delta R.T. 0.00 min

Lab File: BF089747.D

Acq: 17 Aug 2016 6:42

Instrument :

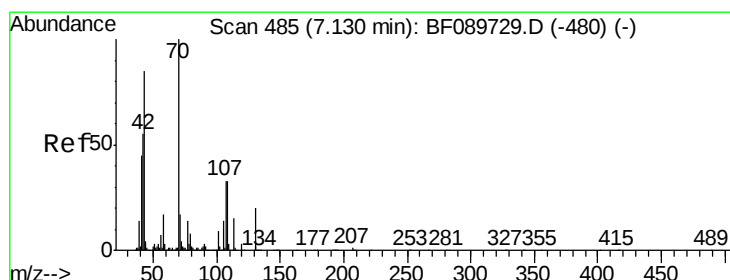
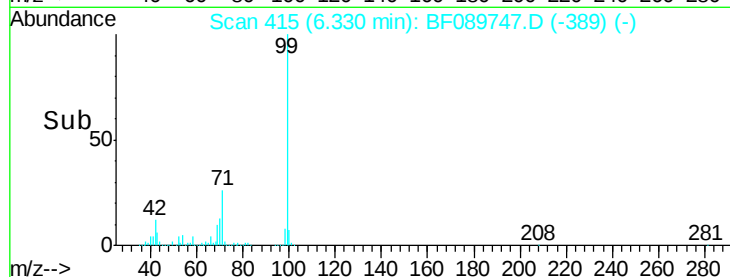
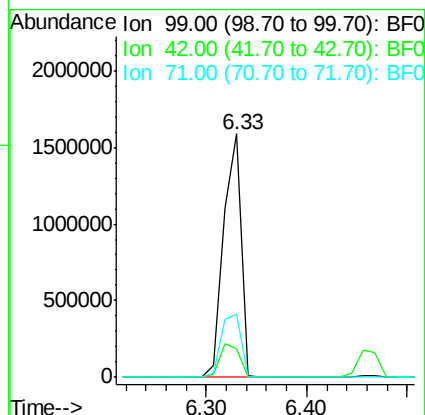
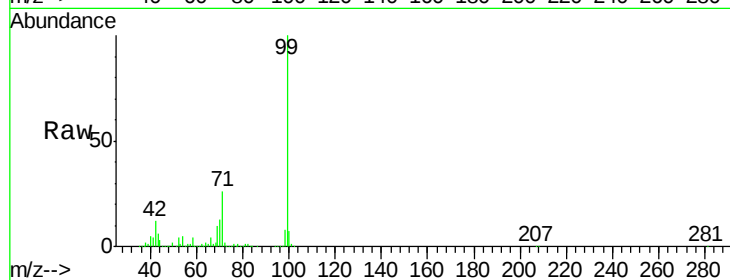
BNA_F

ClientSampleId :

FB080416

Tgt Ion: 99 Resp: 1920921

Ion	Ratio	Lower	Upper
99	100		
42	11.8	12.2	18.4#
71	26.1	23.8	35.8



#19

n-Nitroso-di-n-propylamine

Concen: 15.51 ng

RT: 7.27 min Scan# 497

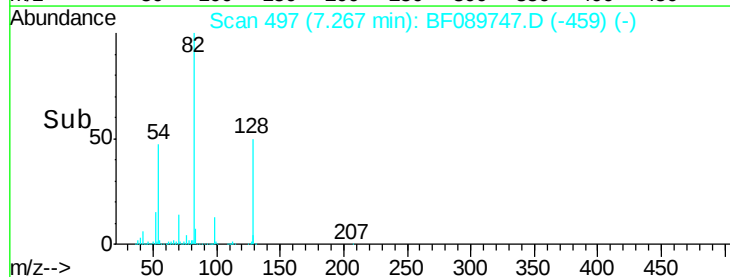
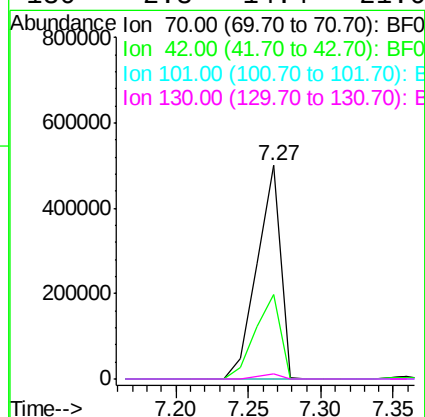
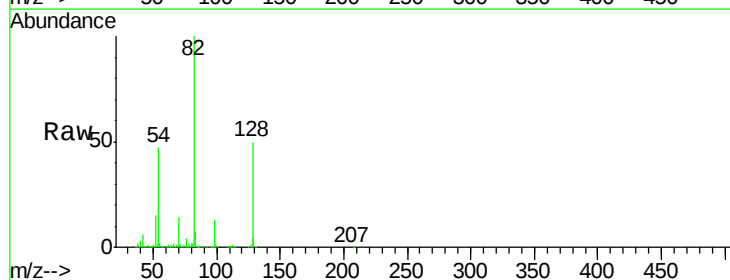
Delta R.T. 0.14 min

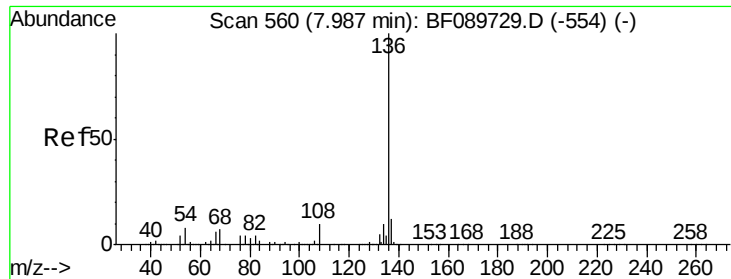
Lab File: BF089747.D

Acq: 17 Aug 2016 6:42

Tgt Ion: 70 Resp: 565686

Ion	Ratio	Lower	Upper
70	100		
42	39.7	46.3	69.5#
101	0.0	7.0	10.6#
130	2.3	14.4	21.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 560

Delta R.T. 0.00 min

Lab File: BF089747.D

Acq: 17 Aug 2016 6:42

Instrument :

BNA_F

ClientSampleId :

FB080416

Tgt Ion:136 Resp: 3141791

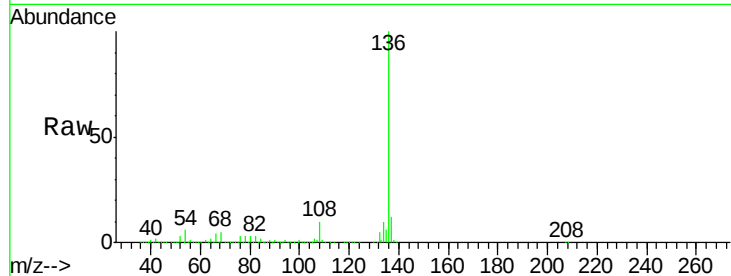
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 5.8 7.2 10.8#

68 5.2 5.8 8.8#

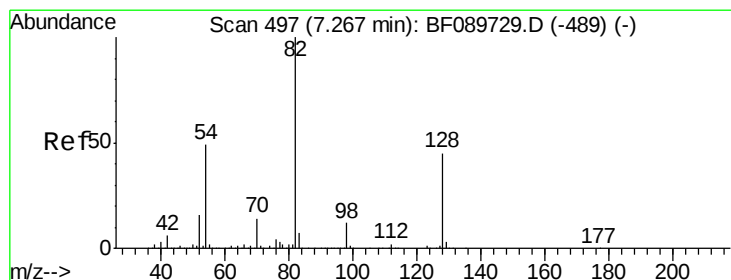
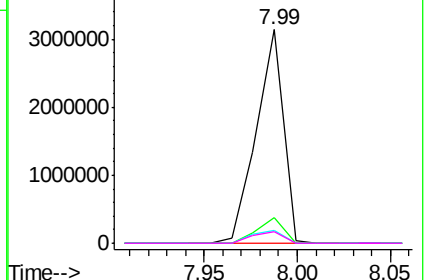
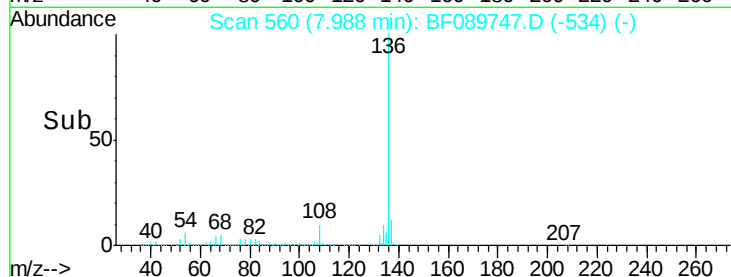


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 78.44 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.00 min

Lab File: BF089747.D

Acq: 17 Aug 2016 6:42

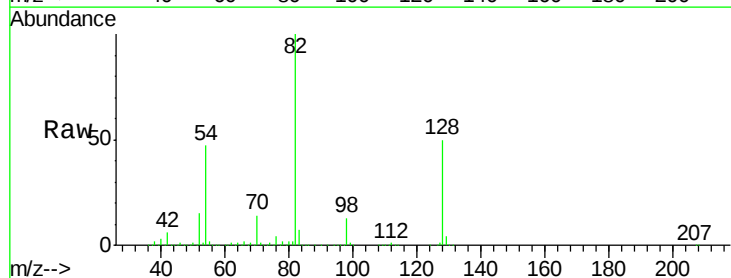
Tgt Ion: 82 Resp: 4035971

Ion Ratio Lower Upper

82 100

128 49.7 34.4 51.6

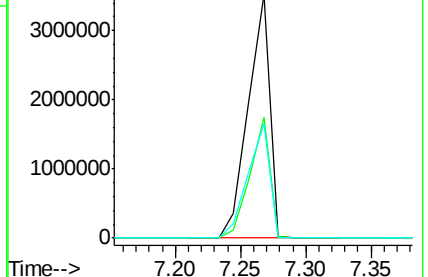
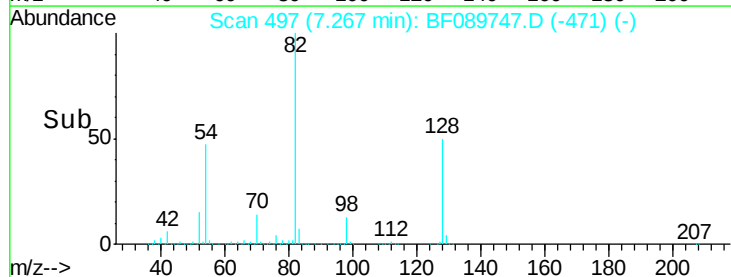
54 47.0 40.3 60.5

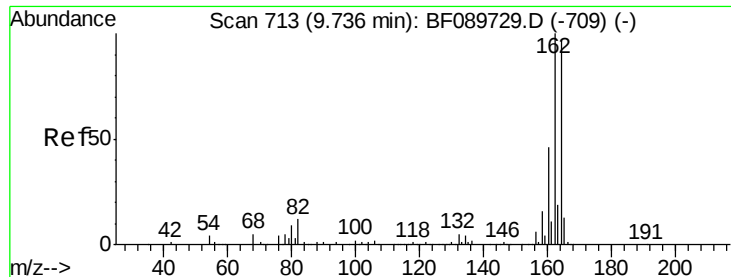


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 713

Delta R.T. 0.00 min

Lab File: BF089747.D

Acq: 17 Aug 2016 6:42

Instrument :

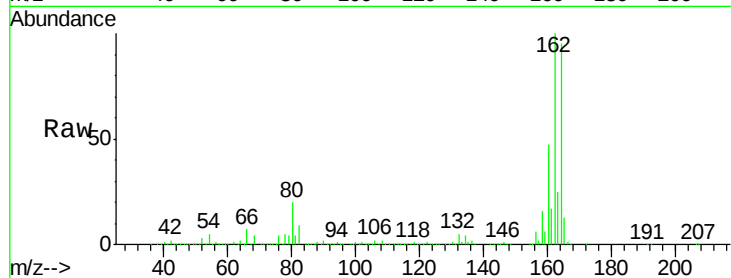
BNA_F

ClientSampleId :

FB080416

Tgt Ion:164 Resp: 1500927

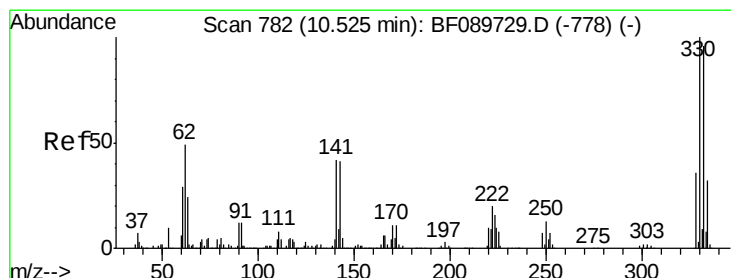
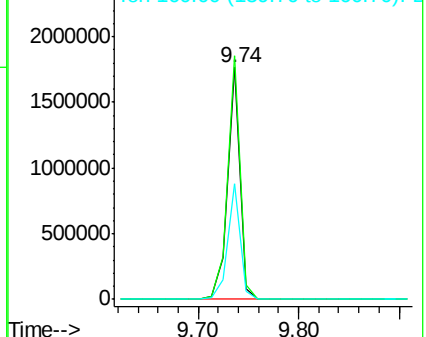
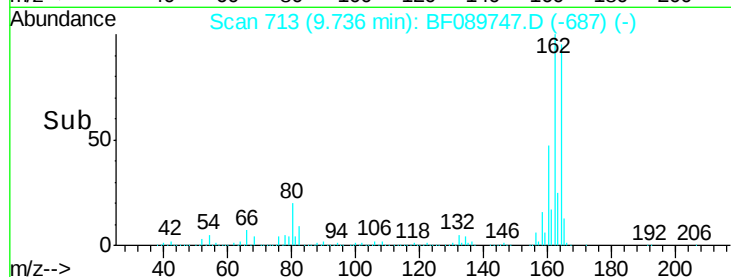
Ion	Ratio	Lower	Upper
164	100		
162	105.0	81.4	122.2
160	49.6	37.8	56.6



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: 104.62 ng

RT: 10.52 min Scan# 782

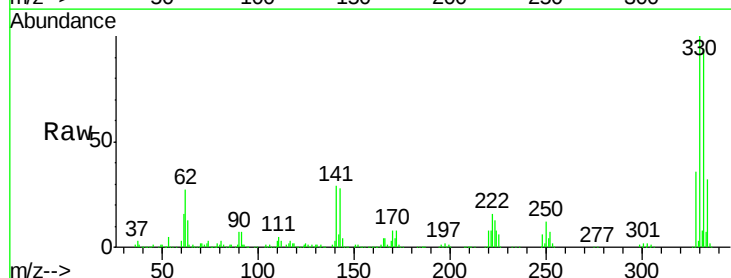
Delta R.T. 0.00 min

Lab File: BF089747.D

Acq: 17 Aug 2016 6:42

Tgt Ion:330 Resp: 1519153

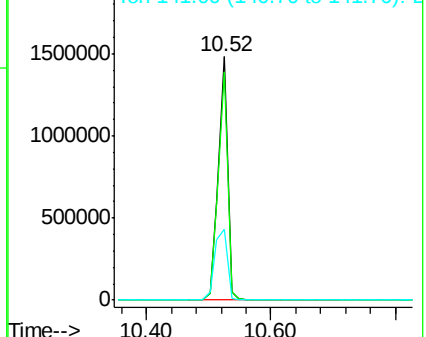
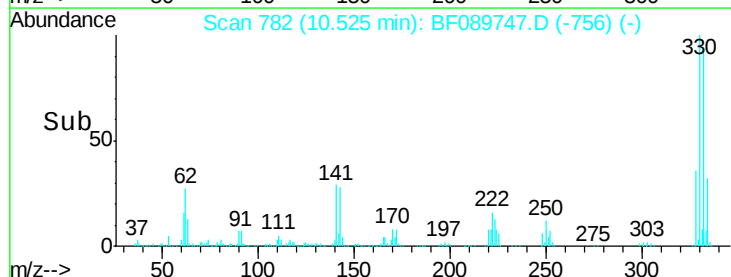
Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.7	115.1
141	39.1	30.2	45.2

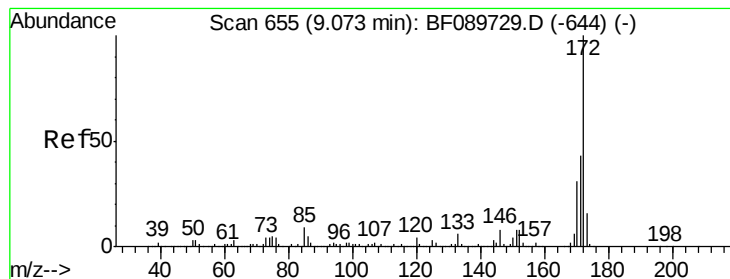


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 71.94 ng

RT: 9.07 min Scan# 655

Delta R.T. 0.00 min

Lab File: BF089747.D

Acq: 17 Aug 2016 6:42

Instrument :

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FB080416

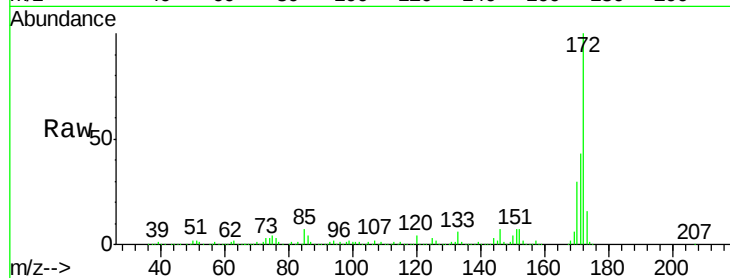
Tgt Ion:172 Resp: 6728685

Ion Ratio Lower Upper

172 100

171 42.6 30.5 45.7

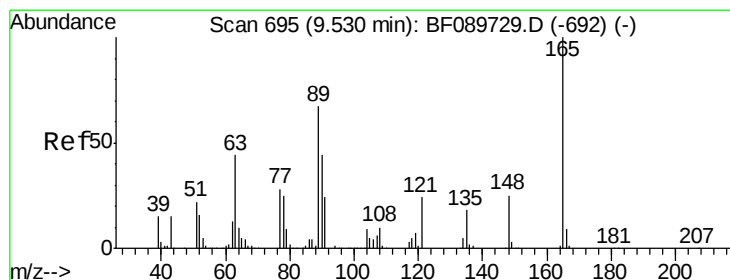
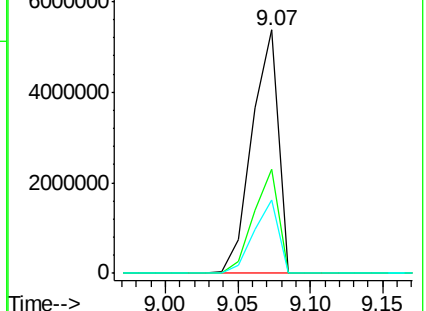
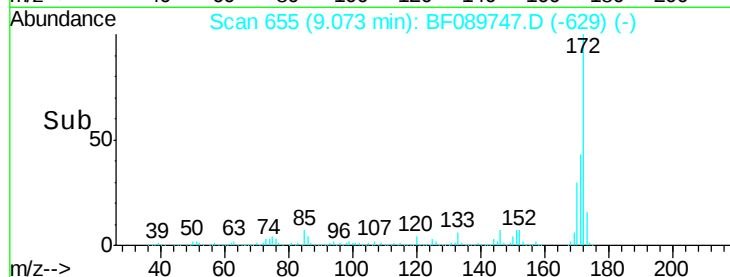
170 30.2 20.6 31.0



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: 8.23 ng

RT: 9.74 min Scan# 713

Delta R.T. 0.21 min

Lab File: BF089747.D

Acq: 17 Aug 2016 6:42

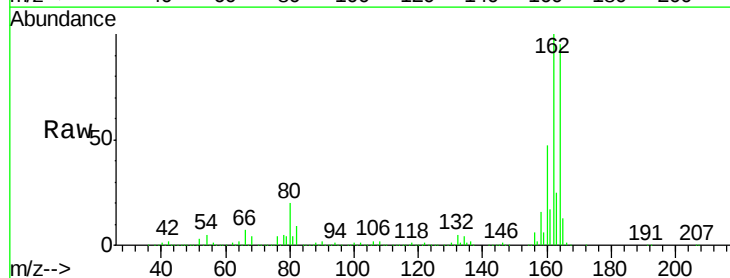
Tgt Ion:165 Resp: 202330

Ion Ratio Lower Upper

165 100

63 1.0 41.7 62.5#

89 1.5 44.6 67.0#



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

