

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090716\
 Data File : BF089997.D
 Acq On : 7 Sep 2016 9:40
 Operator : UM/SJ
 Sample : PB93246BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 07 14:57:23 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 02 13:29:08 2016
 Response via : Initial Calibration

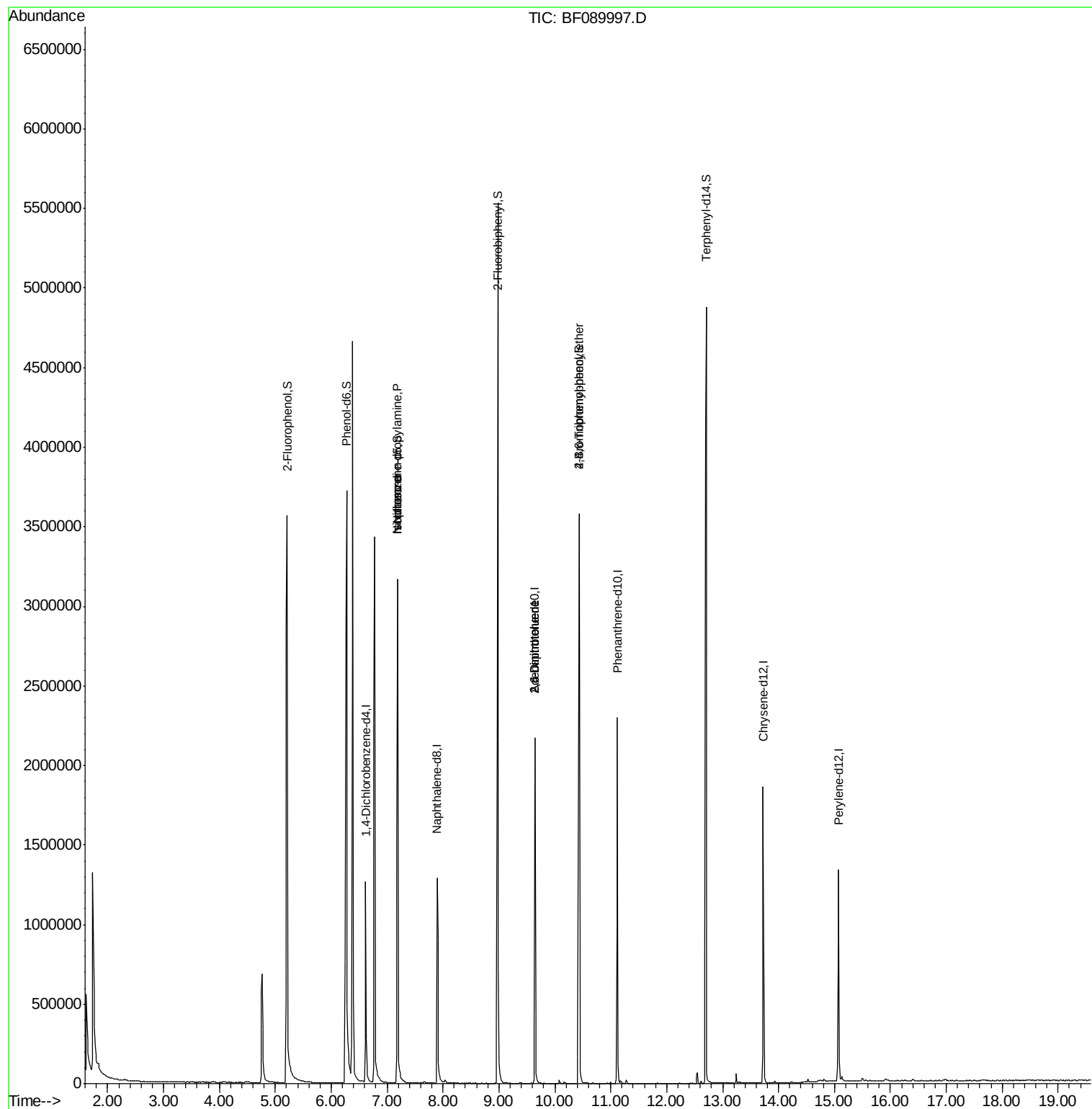
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	232516	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	913943	20.00	ng	-0.03
38) Acenaphthene-d10	9.64	164	486274	20.00	ng	-0.02
63) Phenanthrene-d10	11.12	188	997906	20.00	ng	-0.02
75) Chrysene-d12	13.73	240	763260	20.00	ng	-0.03
86) Perylene-d12	15.07	264	637634	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1704601	117.34	ng	0.00
7) Phenol-d6	6.27	99	2182508	123.65	ng	-0.01
23) Nitrobenzene-d5	7.19	82	1266618	80.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.43	330	507428	105.77	ng	-0.02
44) 2-Fluorobiphenyl	8.98	172	2125653	71.76	ng	-0.02
78) Terphenyl-d14	12.71	244	2377675	76.95	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	169126	14.70	ng	# 81
25) Isophorone	7.19	82	1220972	38.10	ng	# 65
50) 2,6-Dinitrotoluene	9.64	165	61615	7.88	ng	# 26
56) 2,4-Dinitrotoluene	9.64	165	61620	6.22	ng	# 29
66) 4-Bromophenyl-phenylether	10.43	248	35432	3.53	ng	# 1

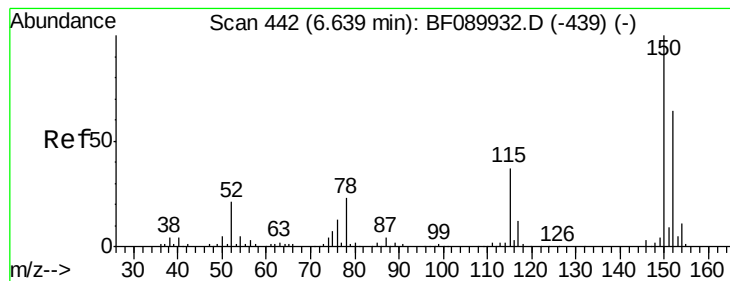
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 02 13:29:08 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.02 min

Lab File: BF089997.D

Acq: 7 Sep 2016 9:40

Instrument :

BNA_F

ClientSampleId :

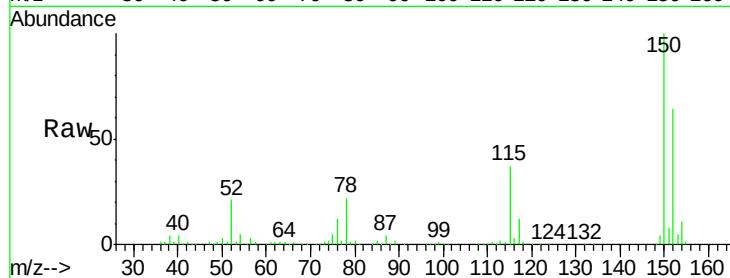
Tot Ion:152 Resp: 232516

Ion Ratio Lower Upper

152 100

150 156.3 127.4 191.2

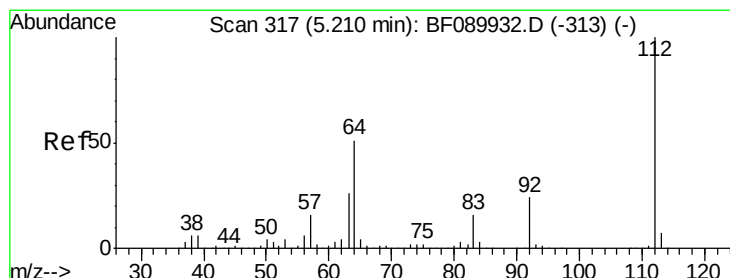
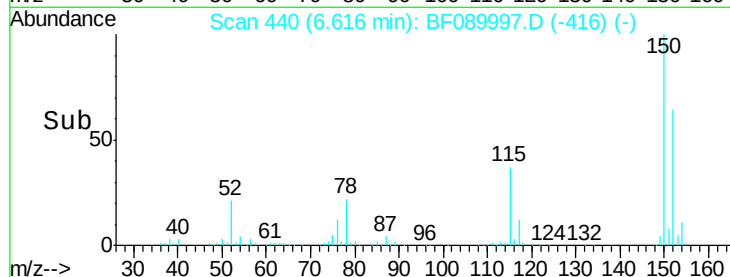
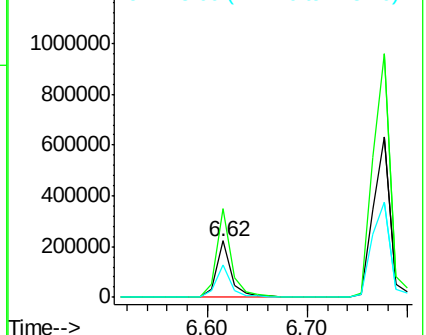
115 57.2 46.3 69.5



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: 117.34 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.00 min

Lab File: BF089997.D

Acq: 7 Sep 2016 9:40

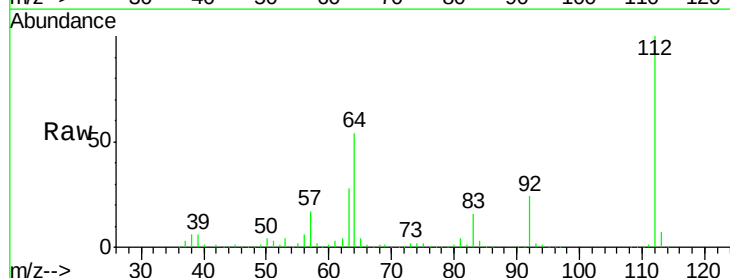
Tgt Ion:112 Resp: 1704601

Ion Ratio Lower Upper

112 100

64 53.7 41.1 61.7

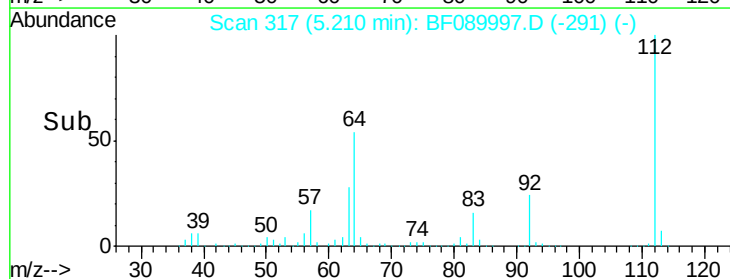
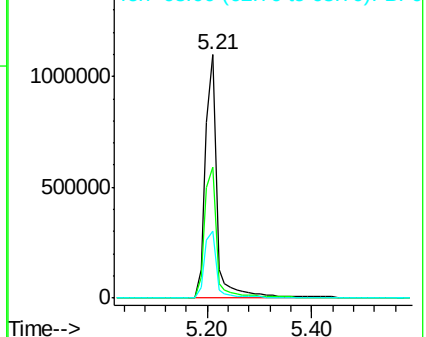
63 27.7 21.2 31.8

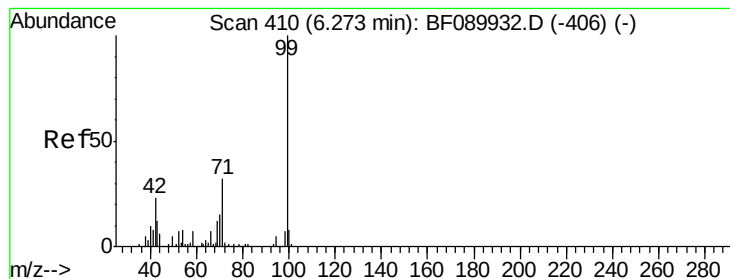


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 123.65 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF089997.D

Acq: 7 Sep 2016 9:40

Instrument :

BNA_F

ClientSampleId :

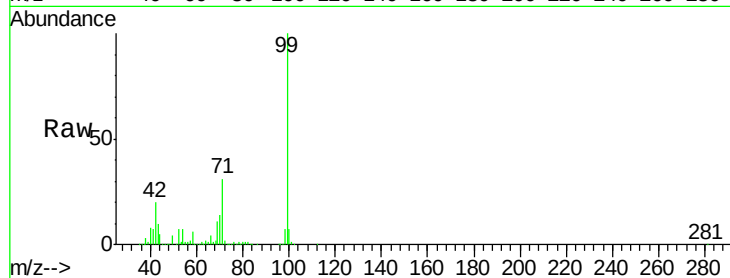
Tot Ion: 99 Resp: 2182508

Ion Ratio Lower Upper

99 100

42 19.6 18.6 27.8

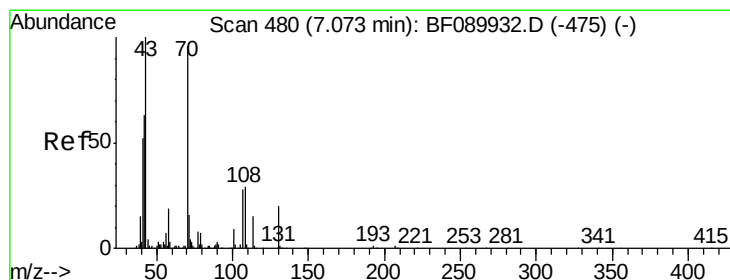
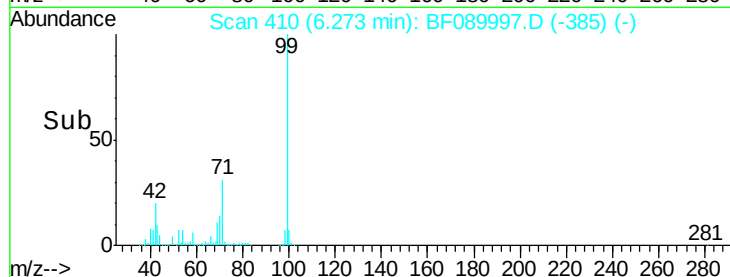
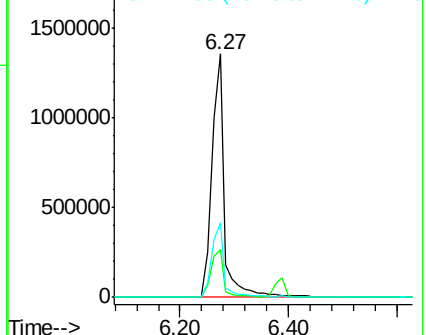
71 30.8 25.8 38.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.70 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.11 min

Lab File: BF089997.D

Acq: 7 Sep 2016 9:40

Tgt Ion: 70 Resp: 169126

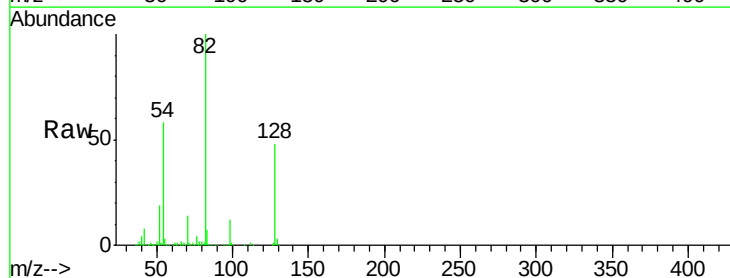
Ion Ratio Lower Upper

70 100

42 56.9 52.1 78.1

101 0.0 7.4 11.2#

130 2.2 17.0 25.4#

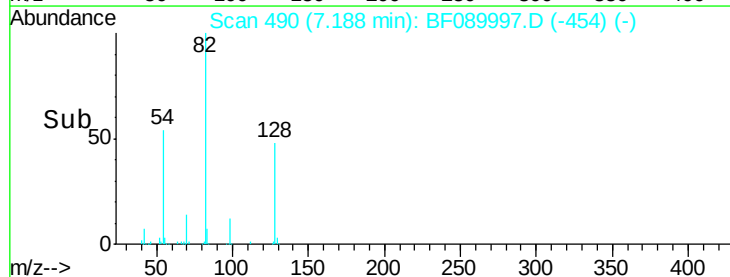
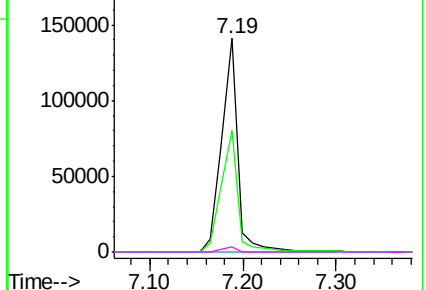


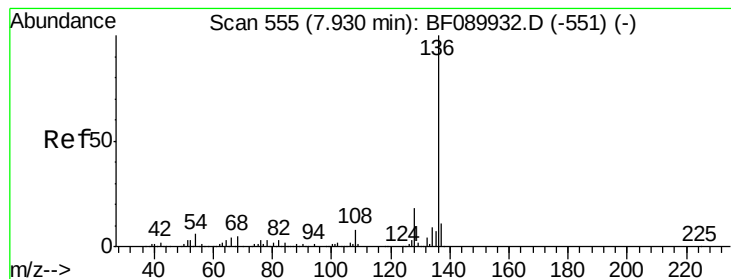
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.03 min

Lab File: BF089997.D

Acq: 7 Sep 2016 9:40

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 913943

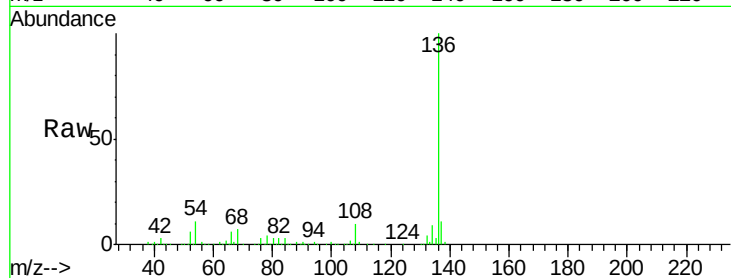
Ion Ratio Lower Upper

136 100

137 11.3 8.3 12.5

54 11.0 4.8 7.2#

68 7.2 3.7 5.5#

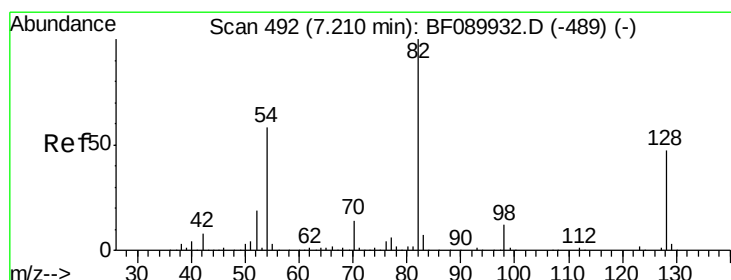
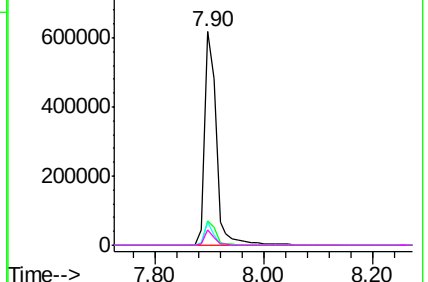
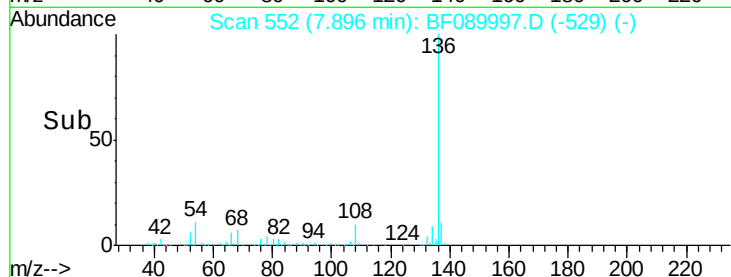


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 80.38 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.02 min

Lab File: BF089997.D

Acq: 7 Sep 2016 9:40

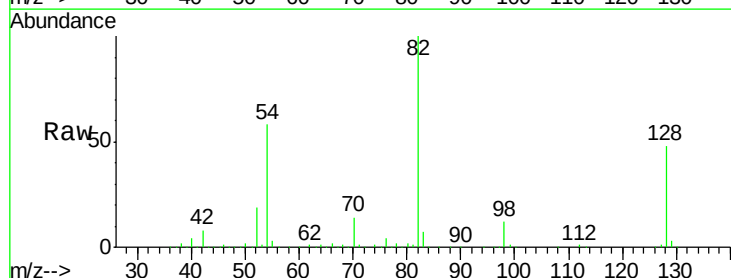
Tgt Ion: 82 Resp: 1266618

Ion Ratio Lower Upper

82 100

128 47.9 37.8 56.8

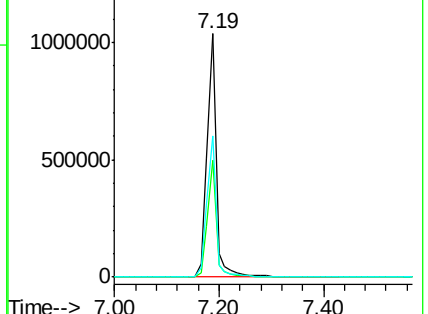
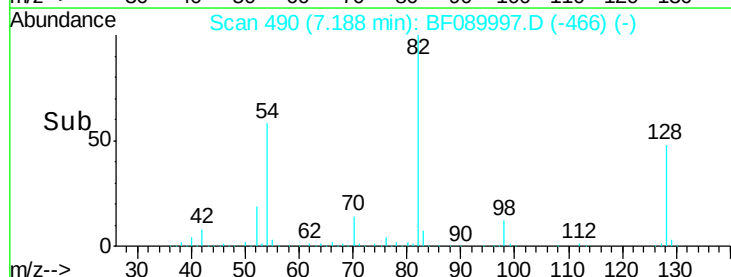
54 58.2 46.9 70.3

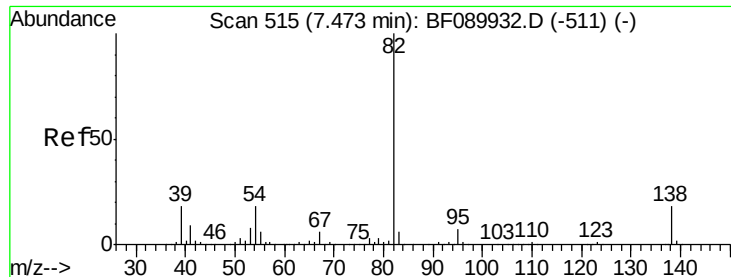


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 38.10 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.29 min

Lab File: BF089997.D

Acq: 7 Sep 2016 9:40

Instrument :

BNA_F

ClientSampleId :

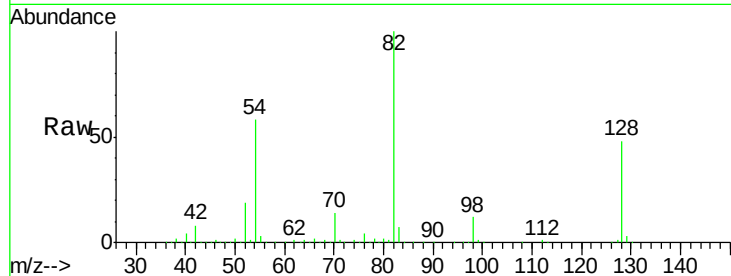
Tot Ion: 82 Resp: 1220972

Ion Ratio Lower Upper

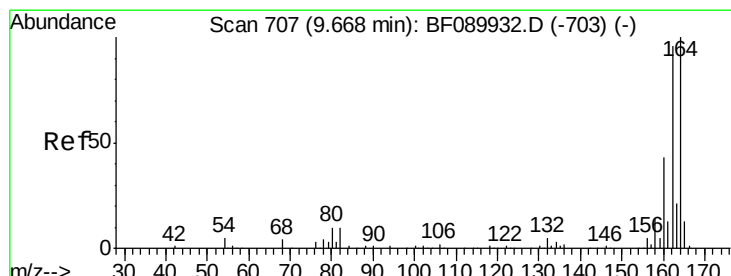
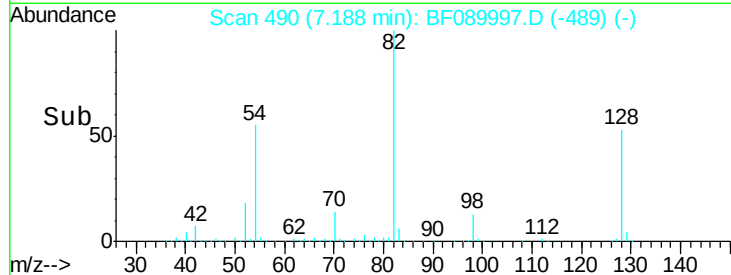
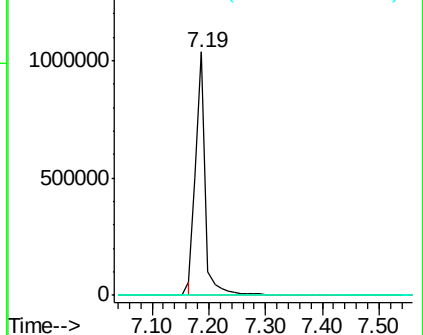
82 100

95 0.0 5.5 8.3#

138 0.0 14.4 21.6#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.02 min

Lab File: BF089997.D

Acq: 7 Sep 2016 9:40

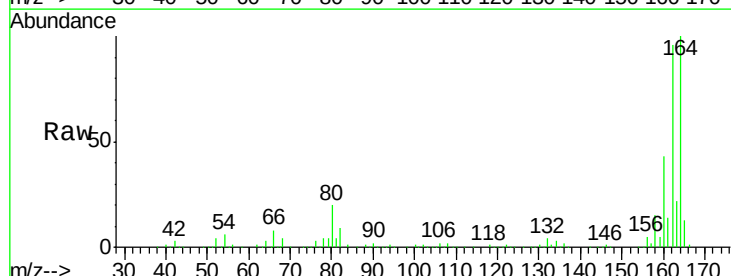
Tgt Ion: 164 Resp: 486274

Ion Ratio Lower Upper

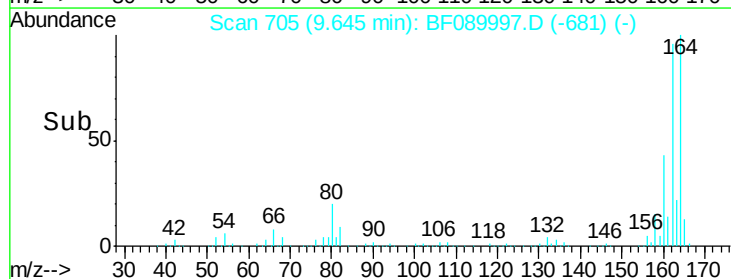
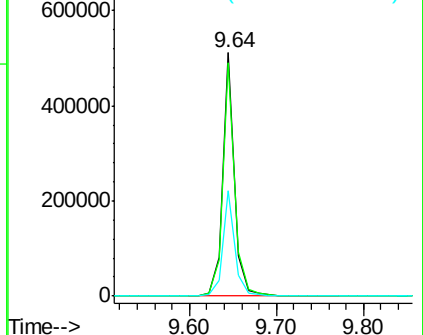
164 100

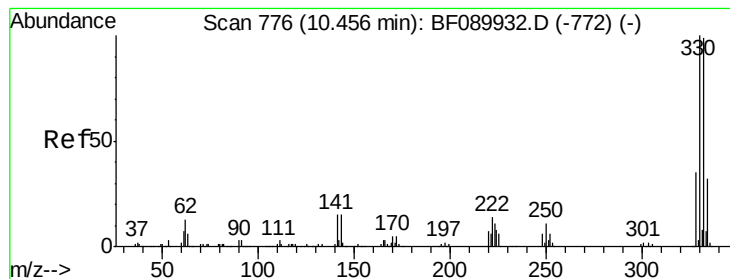
162 95.7 77.1 115.7

160 43.5 35.3 52.9



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

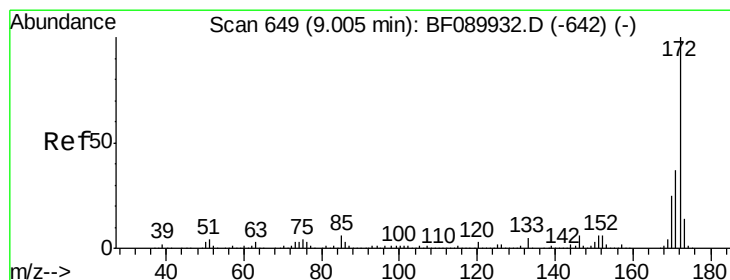
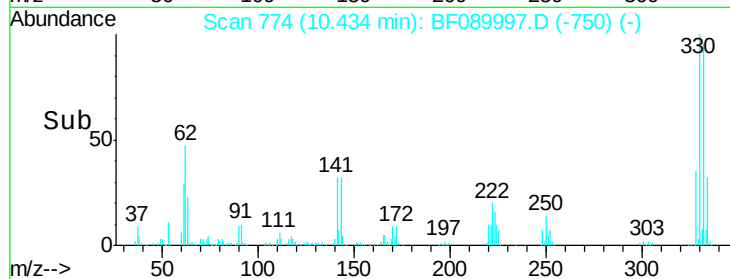
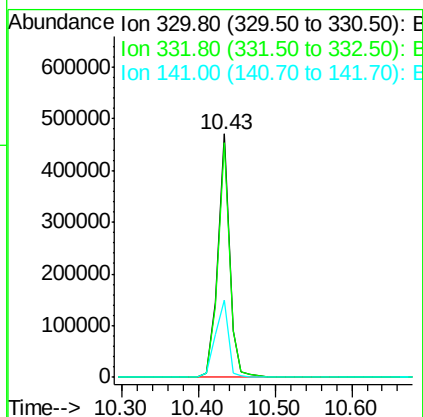
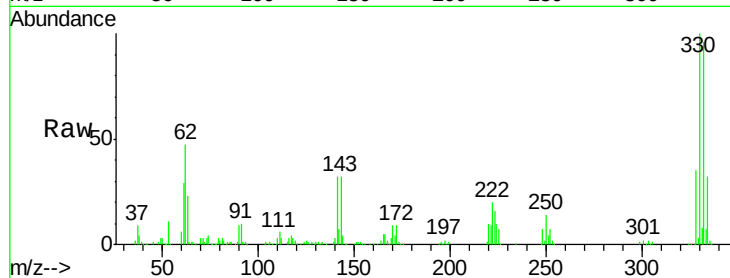




#41
 2,4,6-Tribromophenol
 Concen: 105.77 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.02 min
 Lab File: BF089997.D
 Acq: 7 Sep 2016 9:40

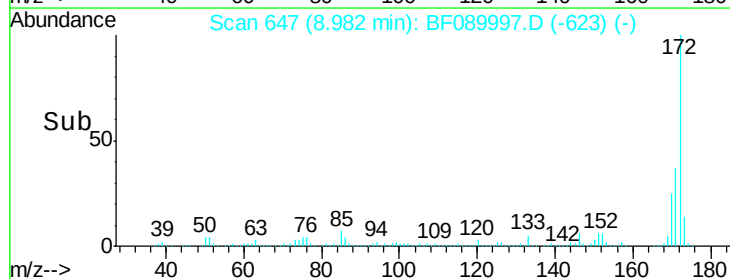
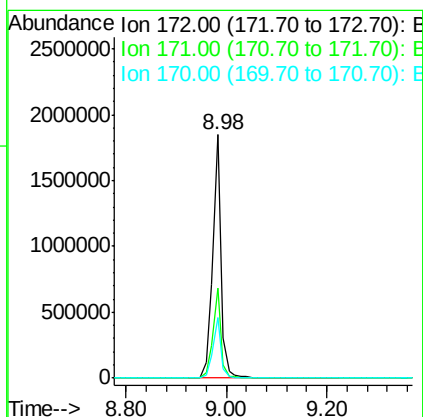
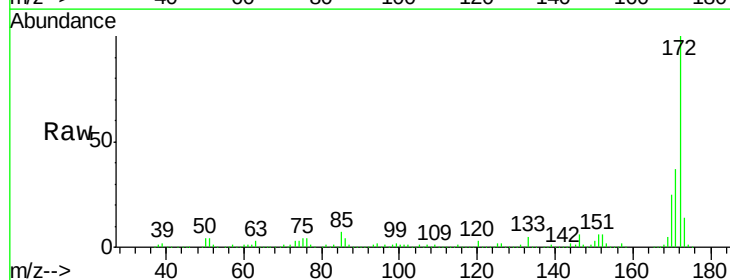
Instrument :
 BNA_F
 ClientSampleId :

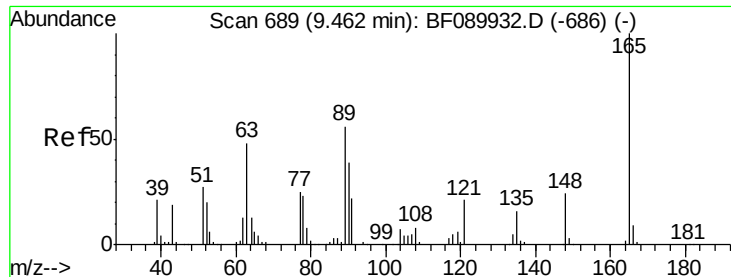
Tot Ion:330 Resp: 507428
 Ion Ratio Lower Upper
 330 100
 332 97.0 78.6 117.8
 141 34.4 23.3 34.9



#44
 2-Fluorobiphenyl
 Concen: 71.76 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.02 min
 Lab File: BF089997.D
 Acq: 7 Sep 2016 9:40

Tgt Ion:172 Resp: 2125653
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.4 44.2
 170 25.1 20.1 30.1

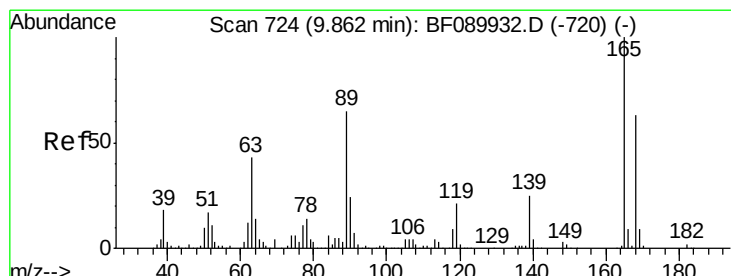
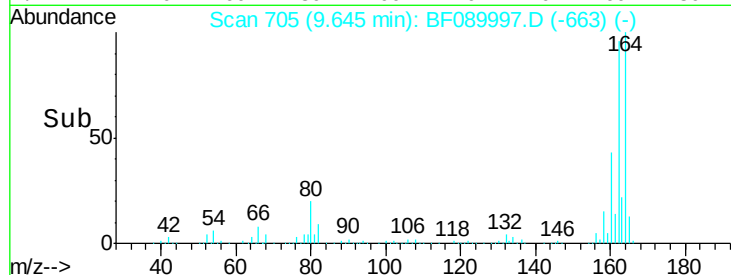
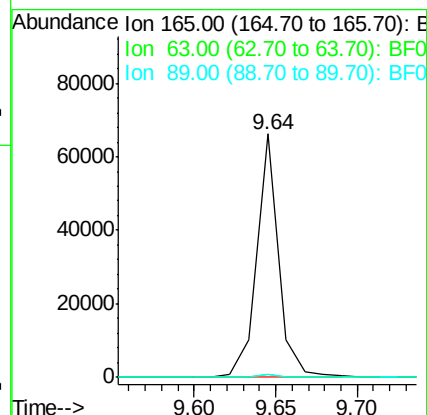
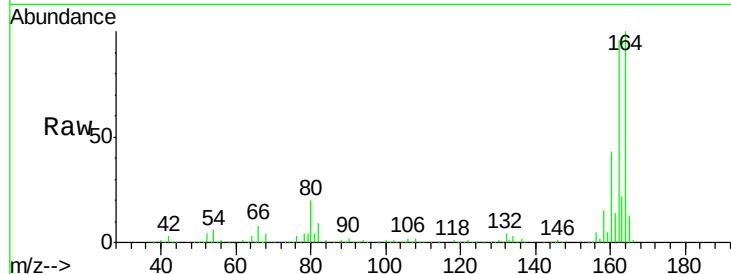




#50
 2,6-Dinitrotoluene
 Concen: 7.88 ng
 RT: 9.64 min Scan# 705
 Delta R.T. 0.18 min
 Lab File: BF089997.D
 Acq: 7 Sep 2016 9:40

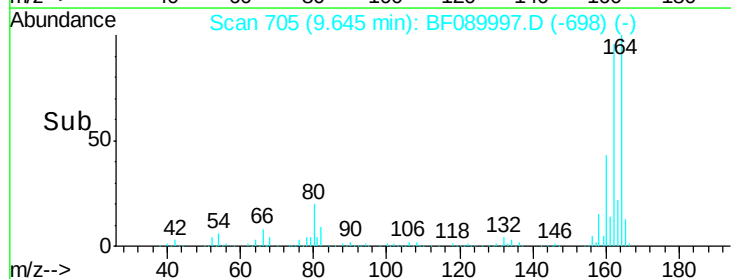
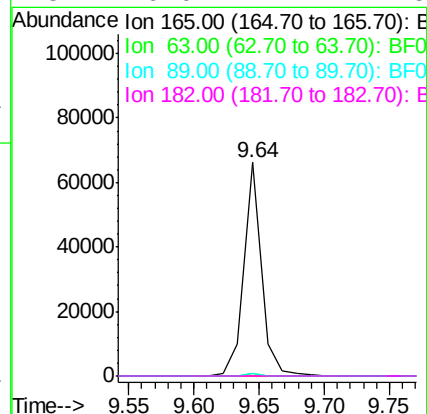
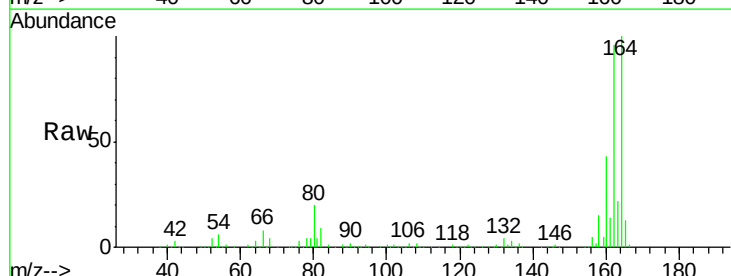
Instrument :
 BNA_F
 ClientSampleId :

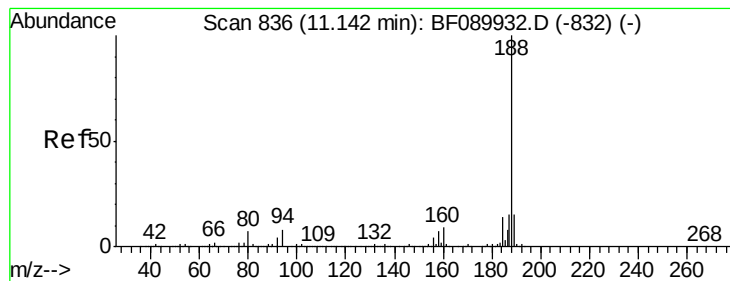
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	45.0	67.4#
89	1.0	41.5	62.3#



#56
 2,4-Dinitrotoluene
 Concen: 6.22 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.22 min
 Lab File: BF089997.D
 Acq: 7 Sep 2016 9:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	32.5	48.7#
89	1.0	48.3	72.5#
182	0.0	1.7	2.5#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 834

Delta R.T. -0.02 min

Lab File: BF089997.D

Acq: 7 Sep 2016 9:40

Instrument :

BNA_F

ClientSampleId :

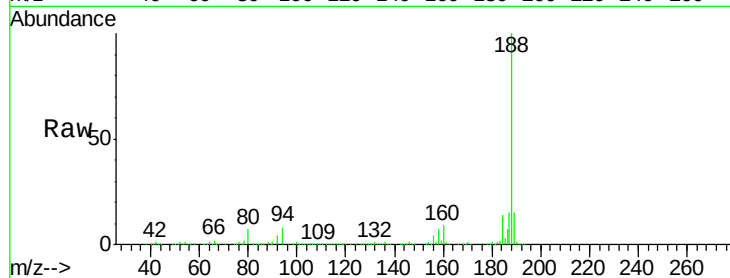
Tot Ion:188 Resp: 997906

Ion Ratio Lower Upper

188 100

94 7.5 5.9 8.9

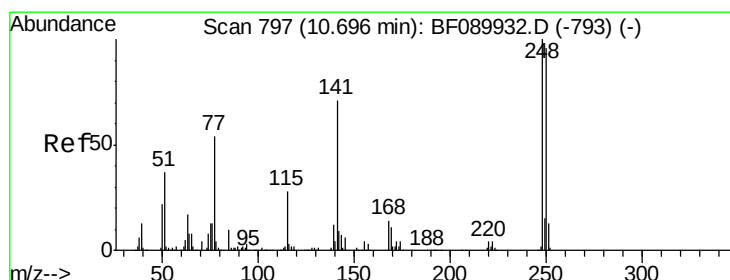
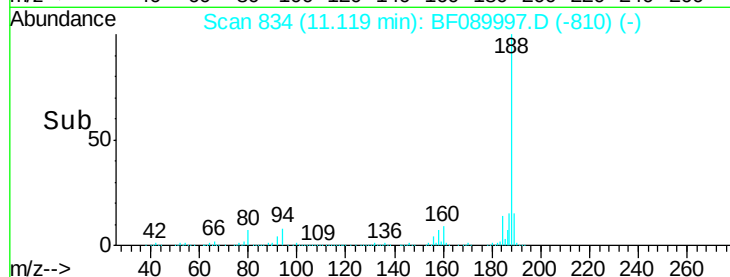
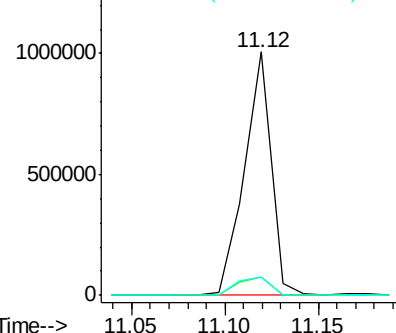
80 7.3 5.8 8.8



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: 3.53 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.26 min

Lab File: BF089997.D

Acq: 7 Sep 2016 9:40

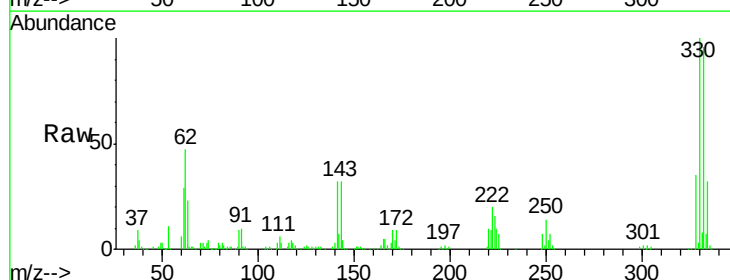
Tgt Ion:248 Resp: 35432

Ion Ratio Lower Upper

248 100

250 199.0 77.3 115.9#

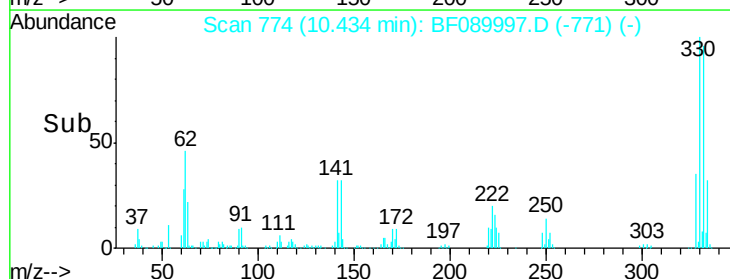
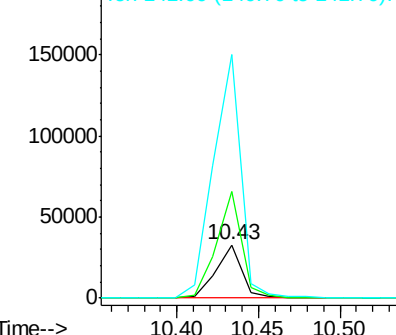
141 456.7 55.8 83.8#

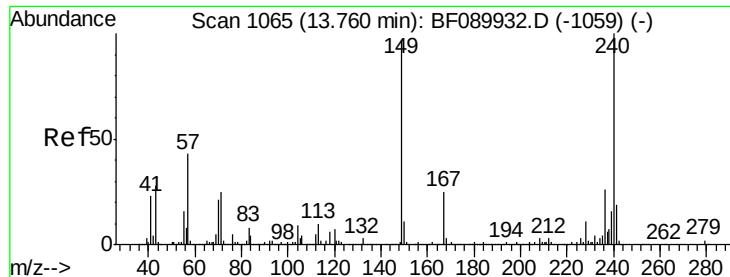


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.73 min Scan# 1062

Delta R.T. -0.03 min

Lab File: BF089997.D

Acq: 7 Sep 2016 9:40

Instrument :

BNA_F

ClientSampleId :

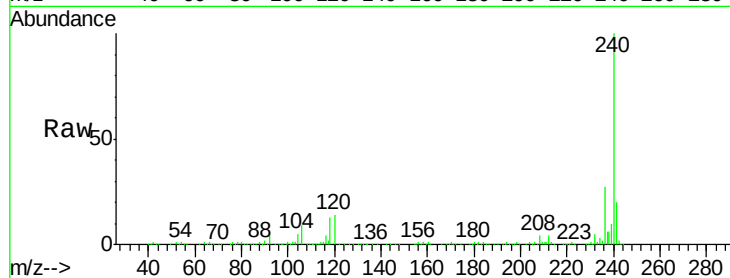
Tot Ion:240 Resp: 763260

Ion Ratio Lower Upper

240 100

120 14.3 5.7 8.5#

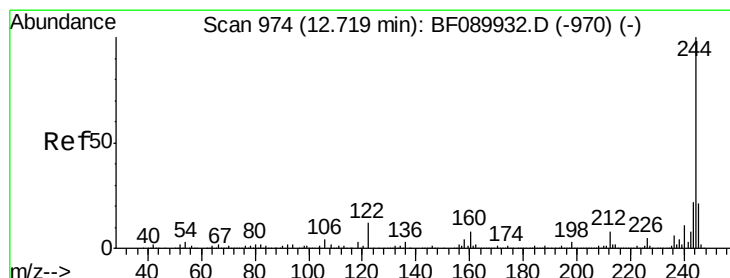
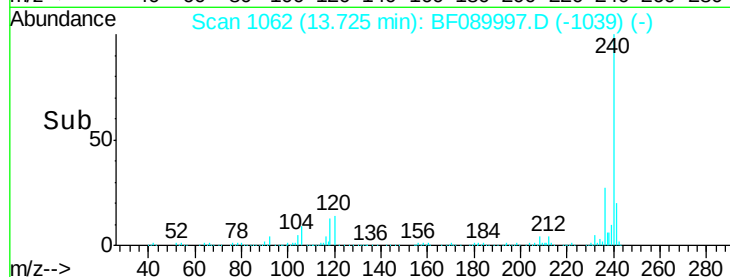
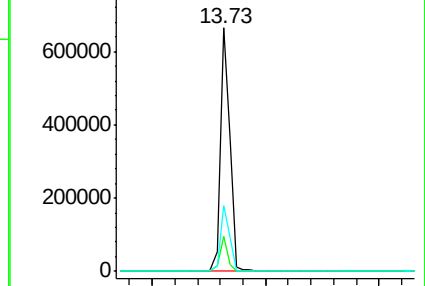
236 26.8 21.3 31.9



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: 76.95 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.02 min

Lab File: BF089997.D

Acq: 7 Sep 2016 9:40

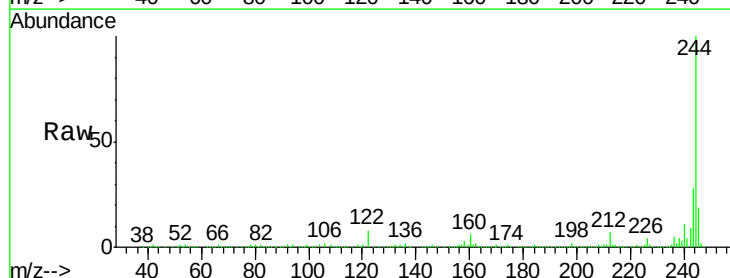
Tgt Ion:244 Resp: 2377675

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

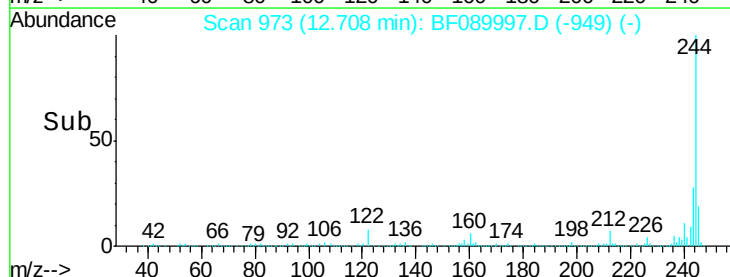
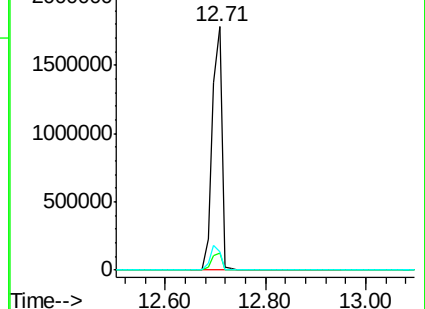
122 7.5 9.6 14.4#

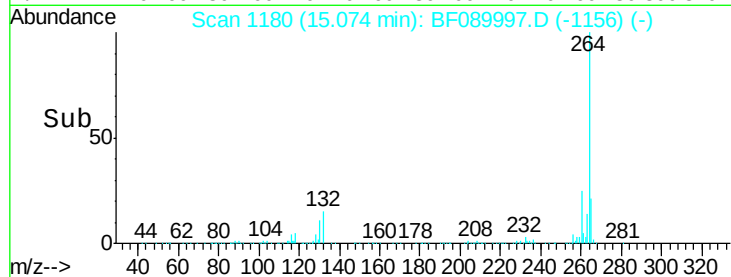
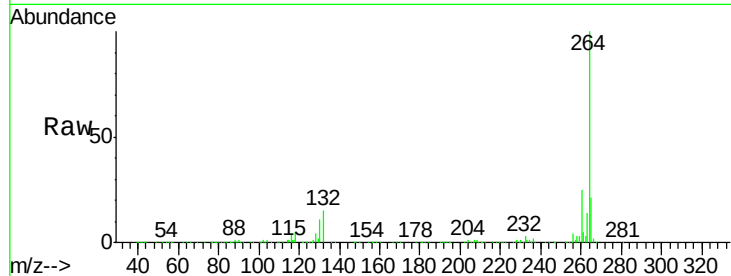
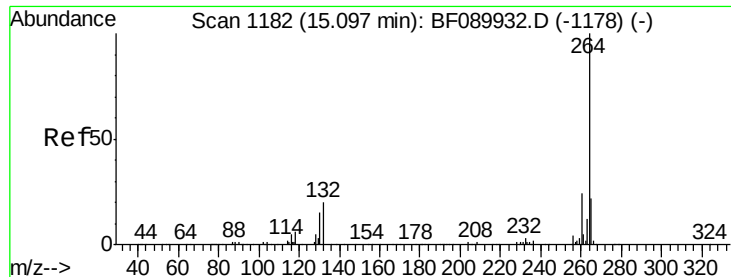


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.07 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BF089997.D
Acq: 7 Sep 2016 9:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.0
265	21.5	17.4	26.2

