

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090716\
 Data File : BF090011.D
 Acq On : 7 Sep 2016 18:11
 Operator : UM/SJ
 Sample : H4676-19
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 07 18:54:19 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

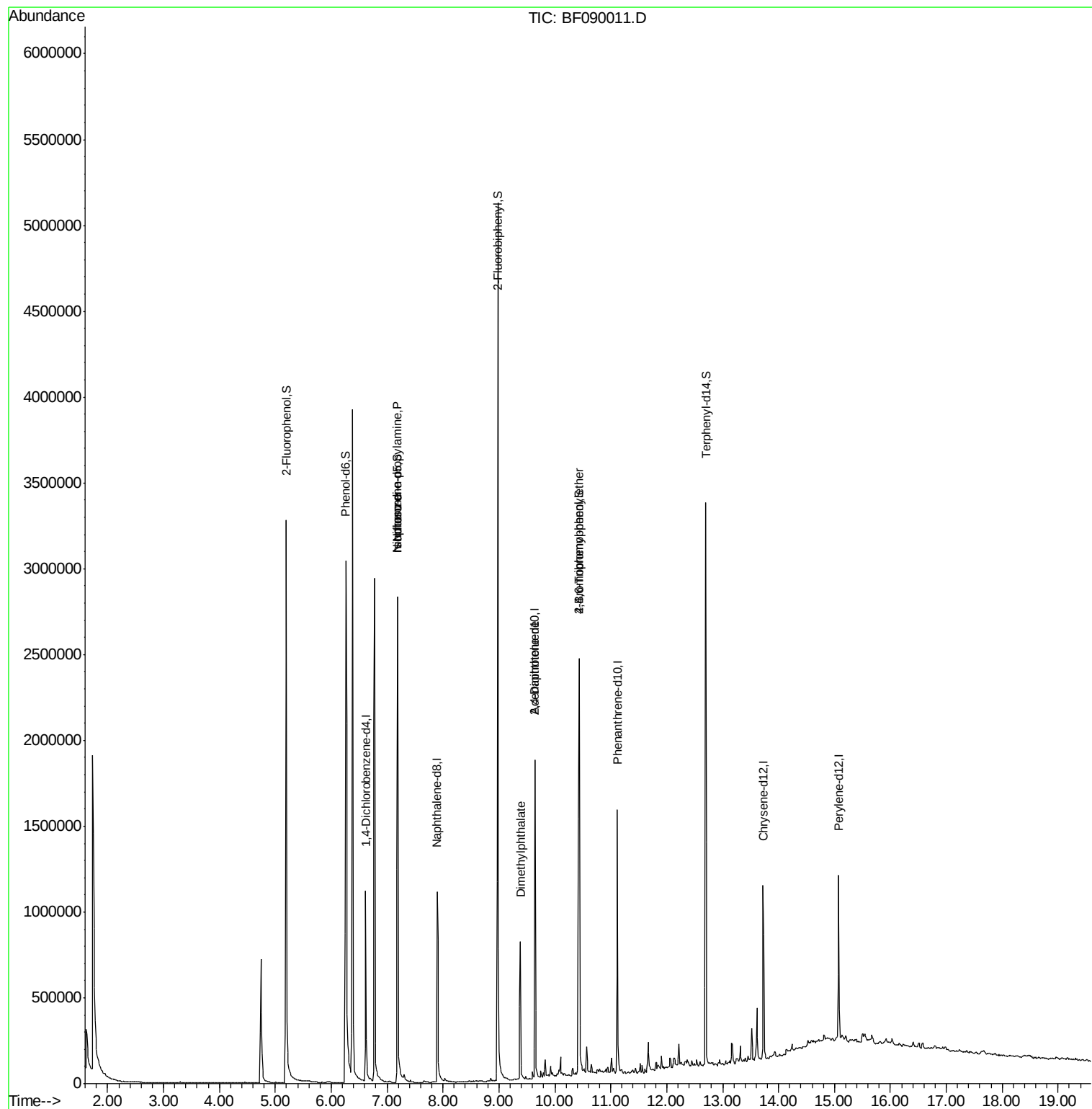
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	205773	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	806077	20.00	ng	-0.03
38) Acenaphthene-d10	9.64	164	397744	20.00	ng	-0.02
63) Phenanthrene-d10	11.12	188	678976	20.00	ng	-0.02
75) Chrysene-d12	13.73	240	473452	20.00	ng	-0.03
86) Perylene-d12	15.07	264	416028	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1456309	113.28	ng	-0.01
7) Phenol-d6	6.26	99	1828704	117.07	ng	-0.02
23) Nitrobenzene-d5	7.19	82	1133644	81.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.43	330	392542	100.04	ng	-0.02
44) 2-Fluorobiphenyl	8.98	172	1766239	72.89	ng	-0.02
78) Terphenyl-d14	12.70	244	1224511	63.89	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	150368	14.77	ng	# 80
25) Isophorone	7.19	82	1127427	39.89	ng	# 65
49) Dimethylphthalate	9.38	163	459564	15.99	ng	98
56) 2,4-Dinitrotoluene	9.64	165	50782	6.26	ng	# 29
66) 4-Bromophenyl-phenylether	10.43	248	27588	4.04	ng	# 1

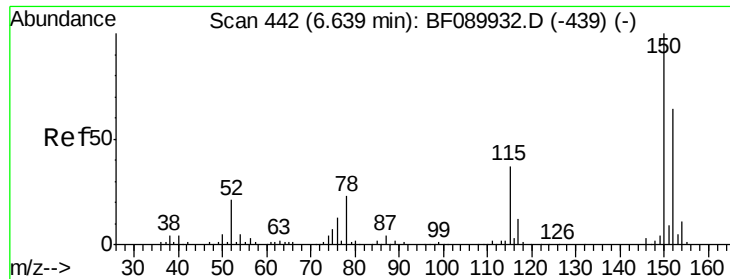
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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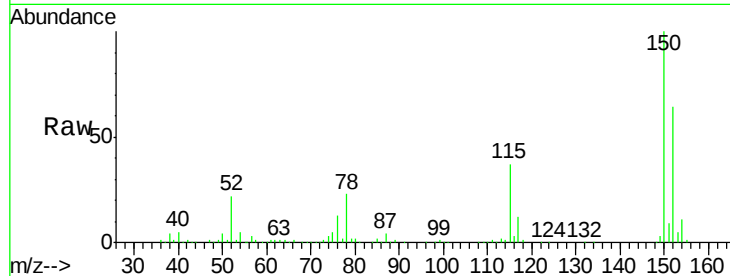


#1

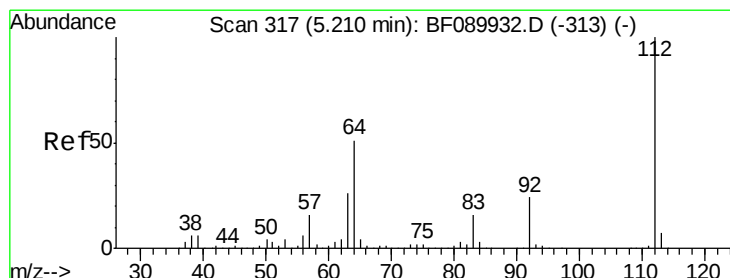
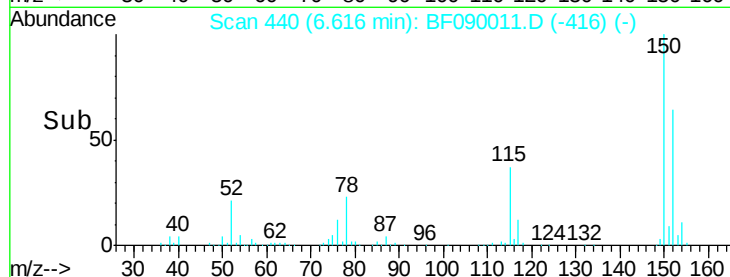
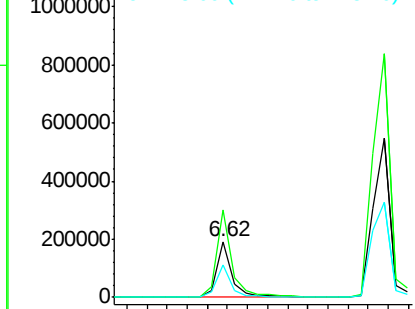
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 440
Delta R.T. -0.02 min
Lab File: BF090011.D
Acq: 7 Sep 2016 18:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 205773
Ion Ratio Lower Upper
152 100
150 156.0 127.4 191.2
115 58.3 46.3 69.5



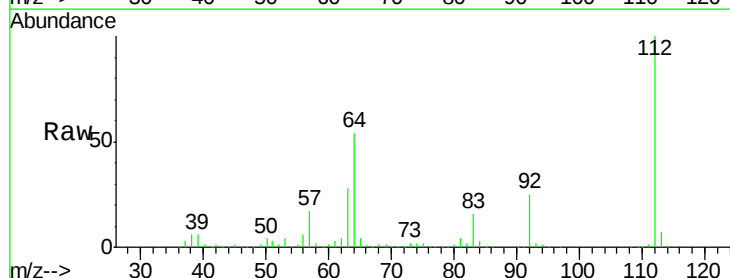
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



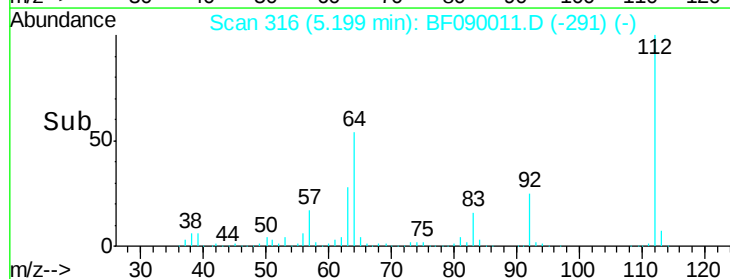
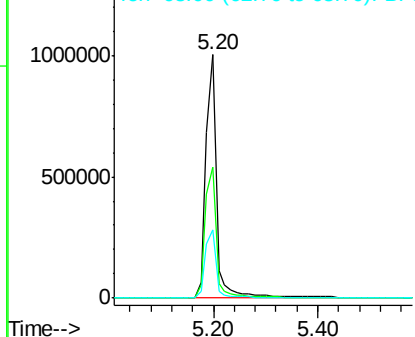
#5

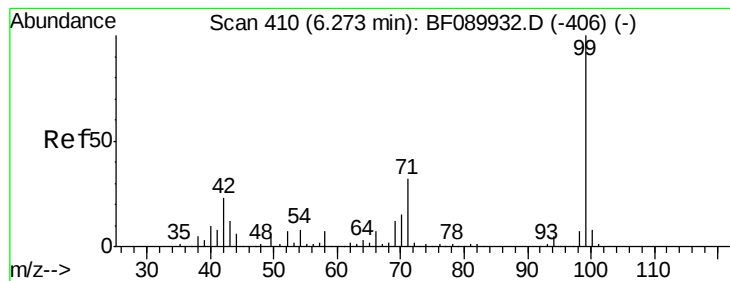
2-Fluorophenol
Concen: 113.28 ng
RT: 5.20 min Scan# 316
Delta R.T. -0.01 min
Lab File: BF090011.D
Acq: 7 Sep 2016 18:11

Tgt Ion:112 Resp: 1456309
Ion Ratio Lower Upper
112 100
64 54.0 41.1 61.7
63 28.1 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: 117.07 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF090011.D

Acq: 7 Sep 2016 18:11

Instrument :

BNA_F

ClientSampled :

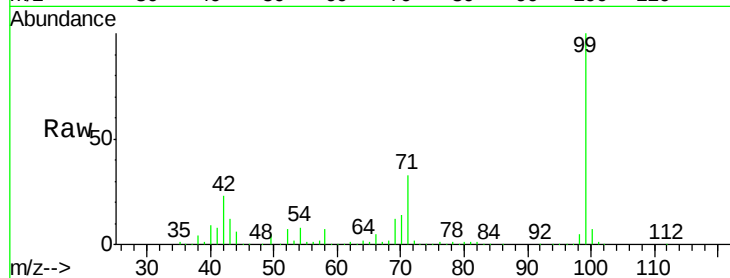
Tot Ion: 99 Resp: 1828704

Ion Ratio Lower Upper

99 100

42 23.4 18.6 27.8

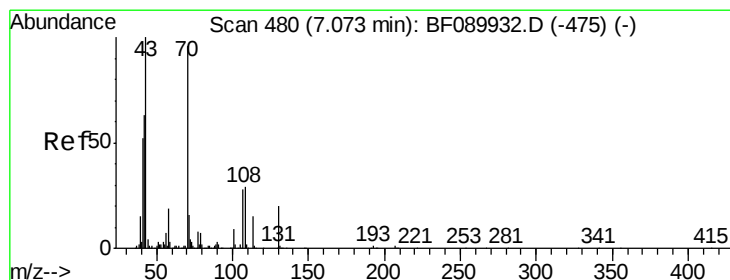
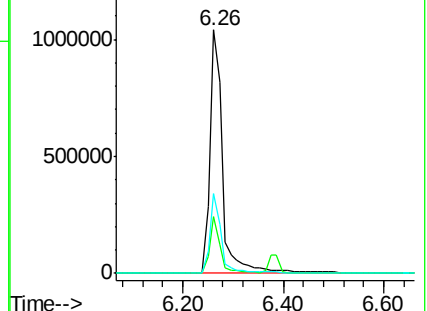
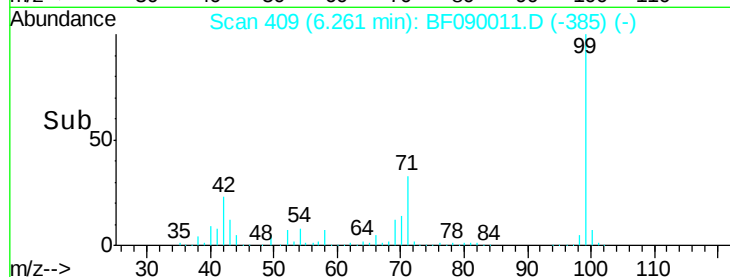
71 32.8 25.8 38.6



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: 14.77 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.11 min

Lab File: BF090011.D

Acq: 7 Sep 2016 18:11

Tgt Ion: 70 Resp: 150368

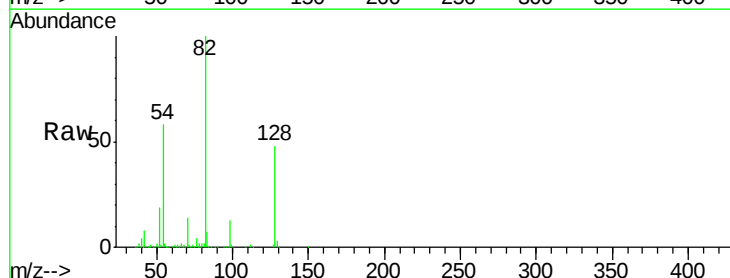
Ion Ratio Lower Upper

70 100

42 55.6 52.1 78.1

101 0.0 7.4 11.2#

130 2.1 17.0 25.4#

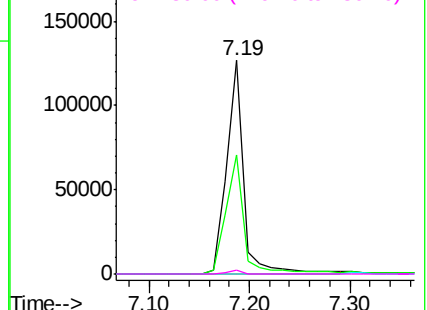
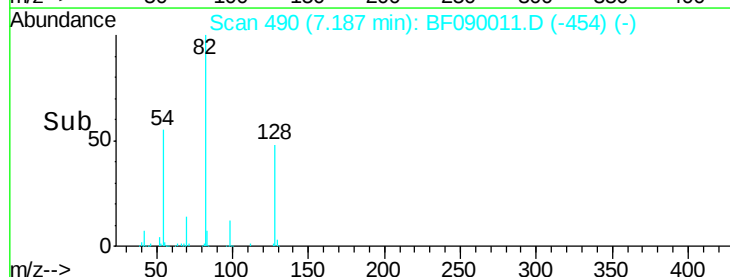


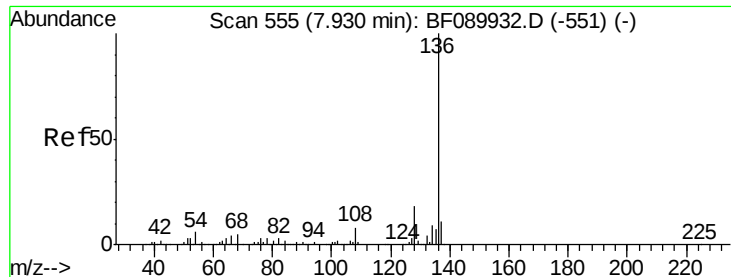
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF090011.D

Acq: 7 Sep 2016 18:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 806077

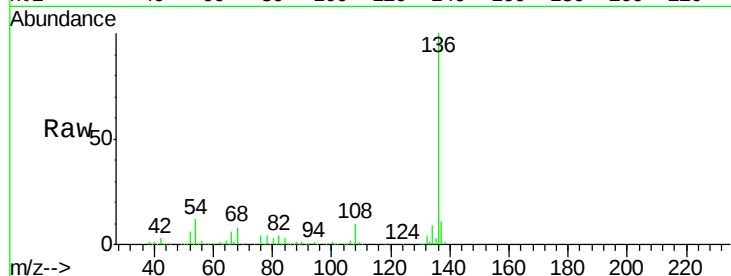
Ion Ratio Lower Upper

136 100

137 11.2 8.3 12.5

54 11.6 4.8 7.2#

68 7.7 3.7 5.5#

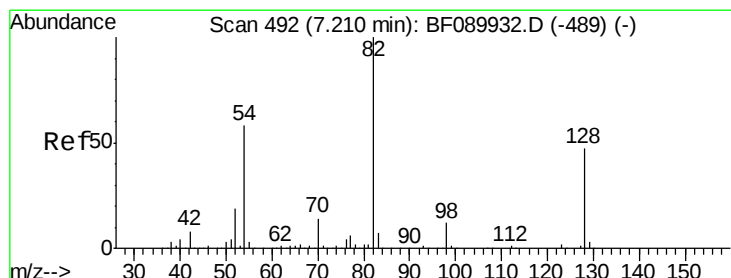
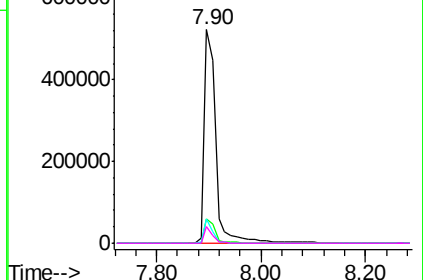
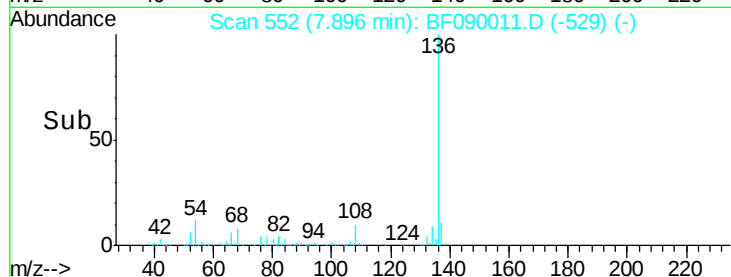


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.56 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.02 min

Lab File: BF090011.D

Acq: 7 Sep 2016 18:11

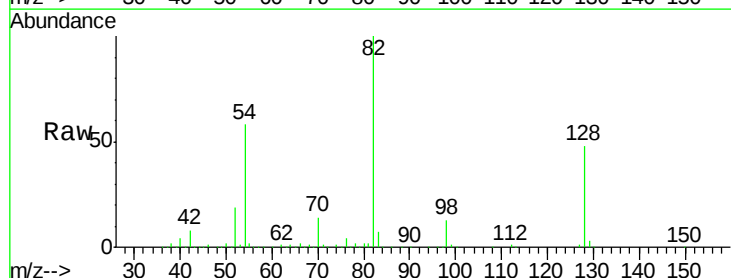
Tgt Ion: 82 Resp: 1133644

Ion Ratio Lower Upper

82 100

128 47.5 37.8 56.8

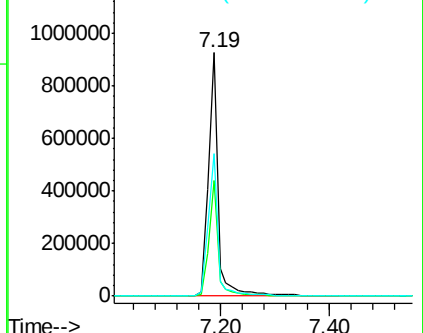
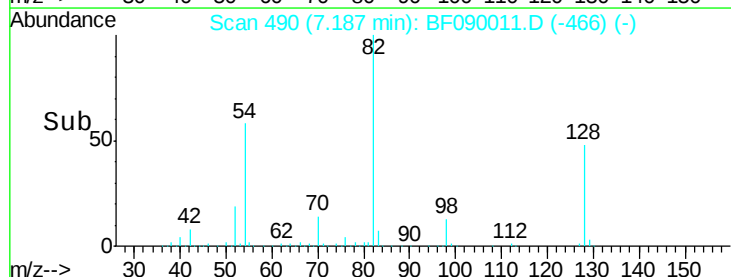
54 58.5 46.9 70.3

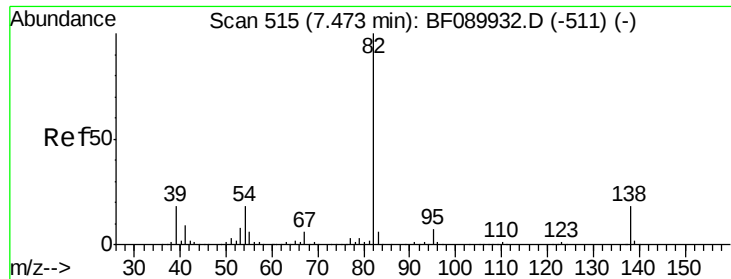


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 39.89 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.29 min

Lab File: BF090011.D

Acq: 7 Sep 2016 18:11

Instrument :

BNA_F

ClientSampleId :

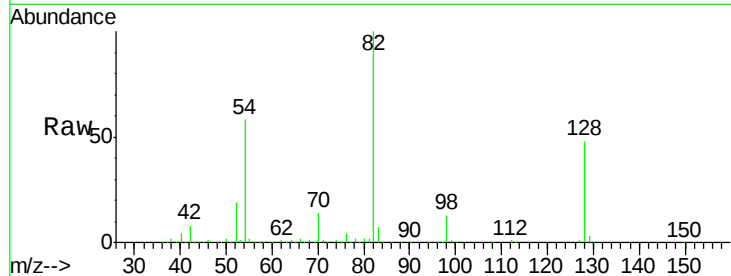
Tot Ion: 82 Resp: 1127427

Ion Ratio Lower Upper

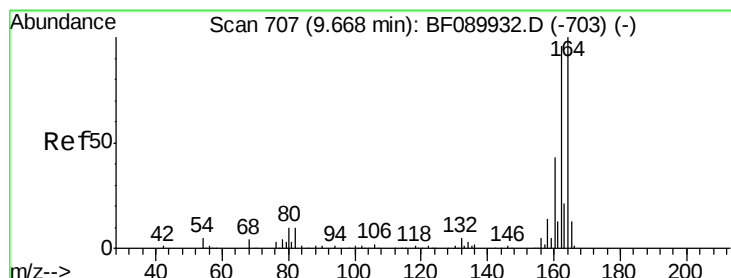
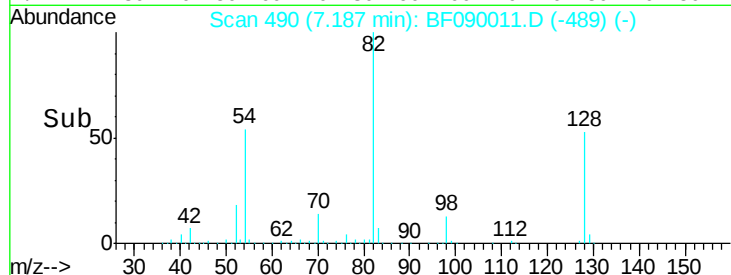
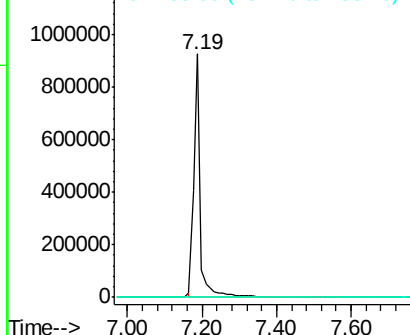
82 100

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: BF090011.D

Acq: 7 Sep 2016 18:11

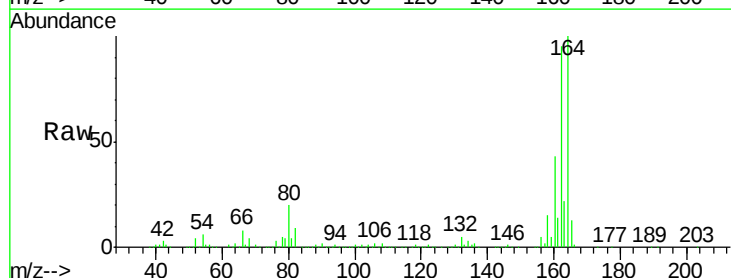
Tgt Ion:164 Resp: 397744

Ion Ratio Lower Upper

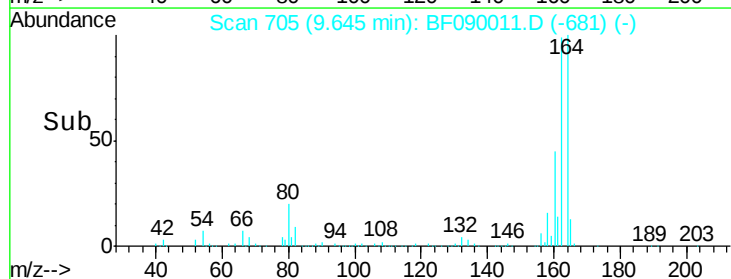
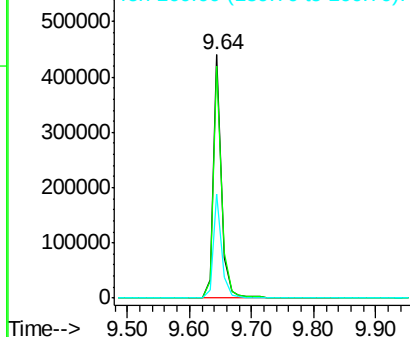
164 100

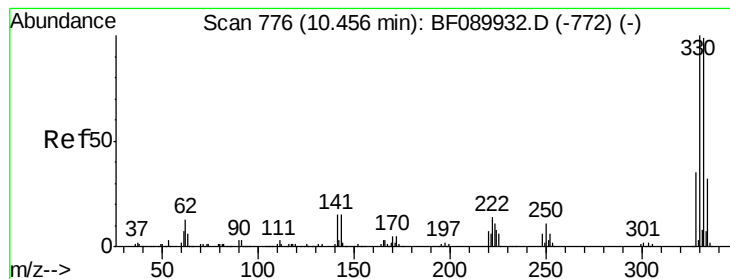
162 95.2 77.1 115.7

160 42.9 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: 100.04 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.02 min

Lab File: BF090011.D

Acq: 7 Sep 2016 18:11

Instrument :

BNA_F

ClientSampleId :

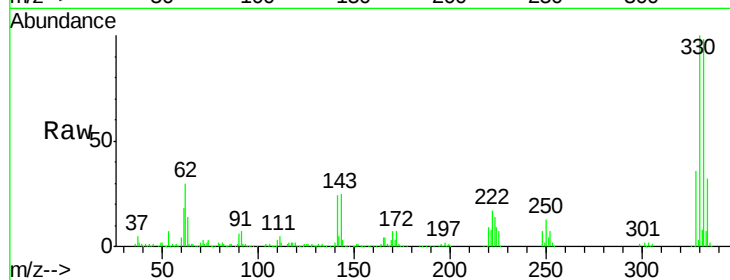
Tot Ion:330 Resp: 392542

Ion Ratio Lower Upper

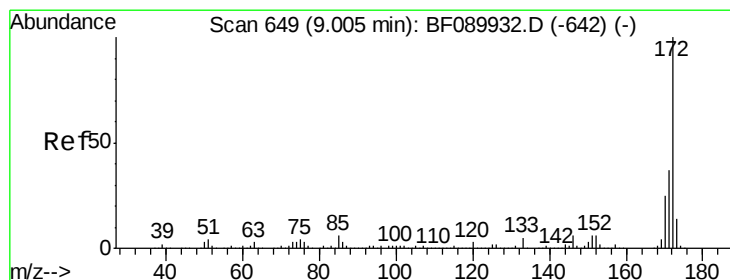
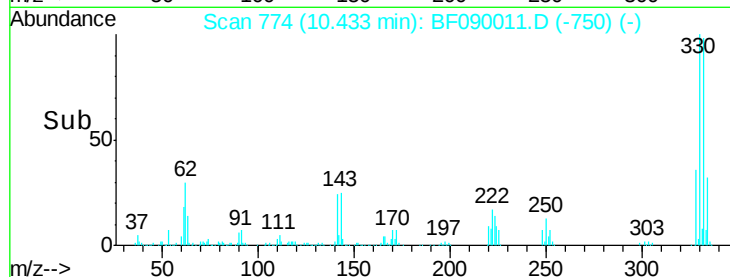
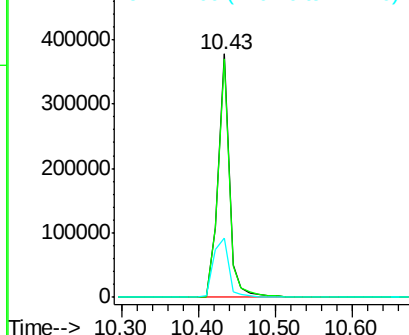
330 100

332 98.5 78.6 117.8

141 32.6 23.3 34.9



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: 72.89 ng

RT: 8.98 min Scan# 647

Delta R.T. -0.02 min

Lab File: BF090011.D

Acq: 7 Sep 2016 18:11

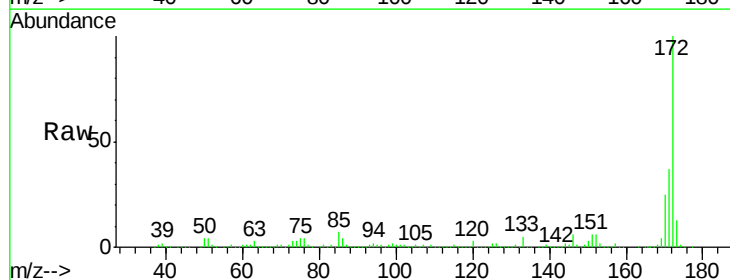
Tgt Ion:172 Resp: 1766239

Ion Ratio Lower Upper

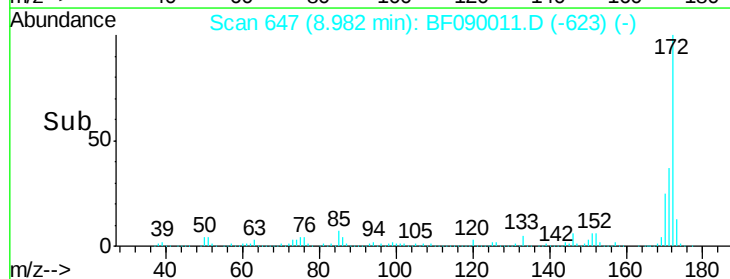
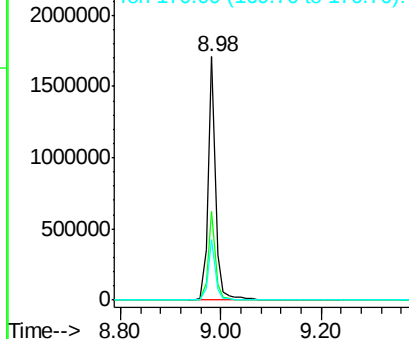
172 100

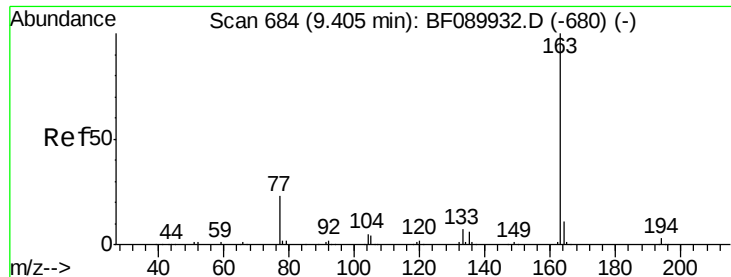
171 36.7 29.4 44.2

170 25.0 20.1 30.1



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

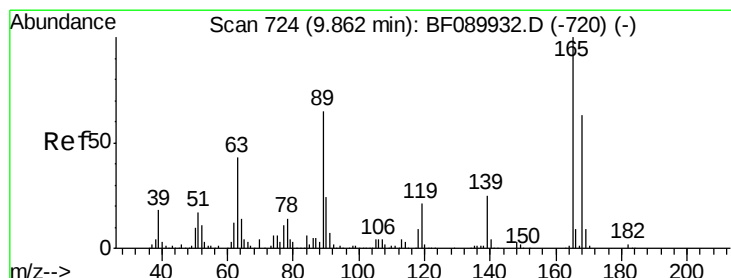
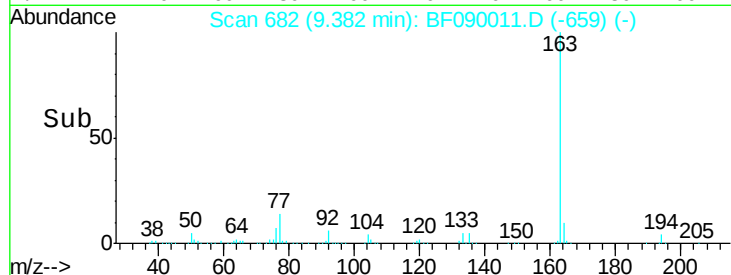
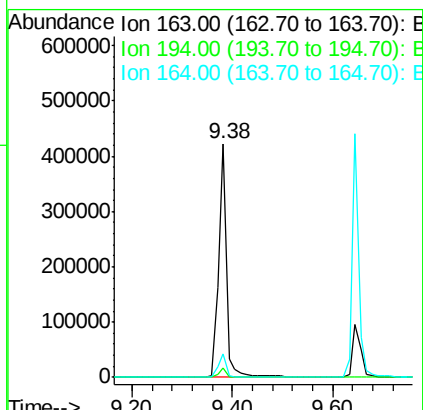
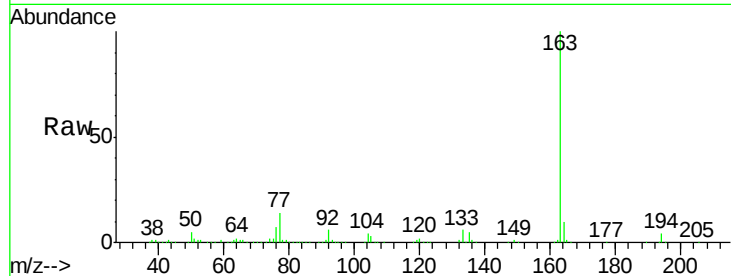




#49
Dimethylphthalate
Concen: 15.99 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.03 min
Lab File: BF090011.D
Acq: 7 Sep 2016 18:11

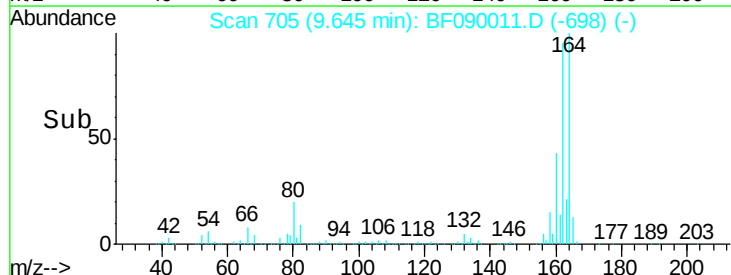
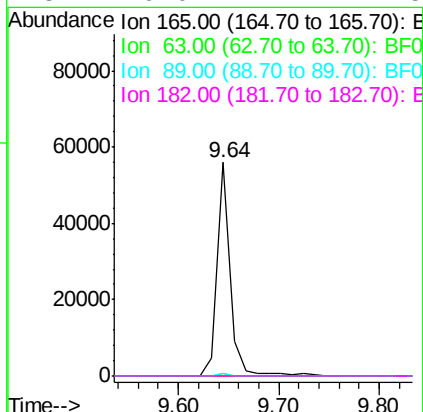
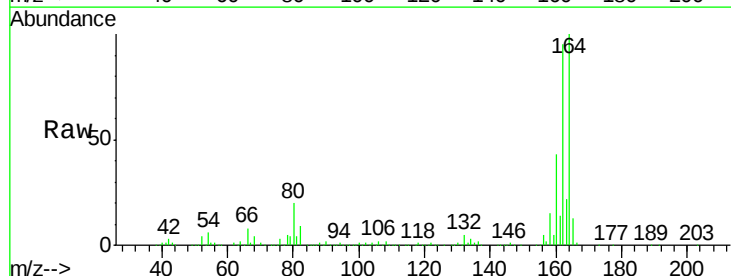
Instrument :
BNA_F
ClientSampled :

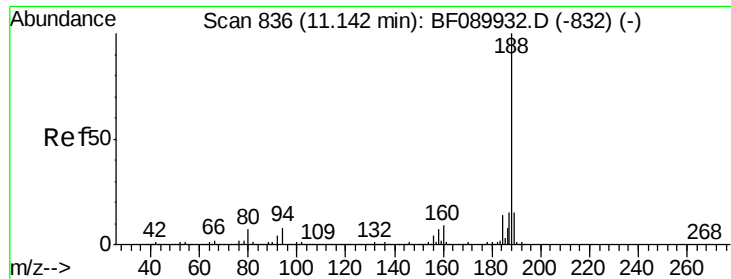
Tot Ion:163 Resp: 459564
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.3 9.0 13.4



#56
2,4-Dinitrotoluene
Concen: 6.26 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.22 min
Lab File: BF090011.D
Acq: 7 Sep 2016 18:11

Tgt Ion:165 Resp: 50782
Ion Ratio Lower Upper
165 100
63 1.3 32.5 48.7#
89 1.3 48.3 72.5#
182 0.0 1.7 2.5#

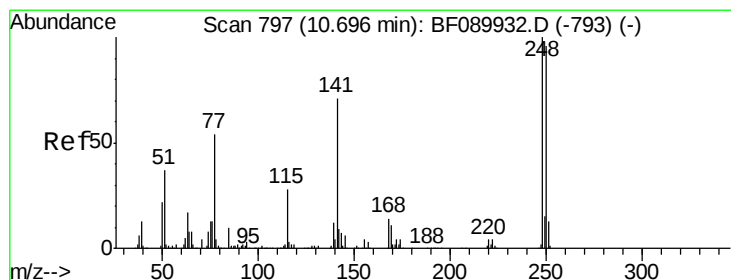
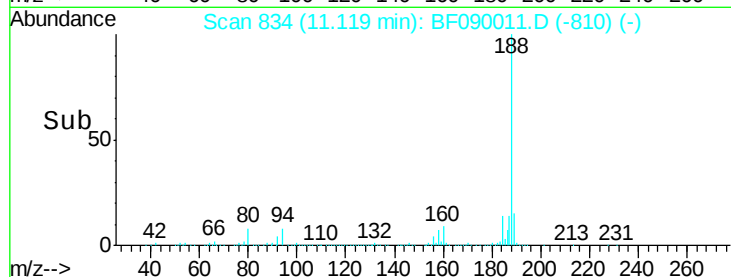
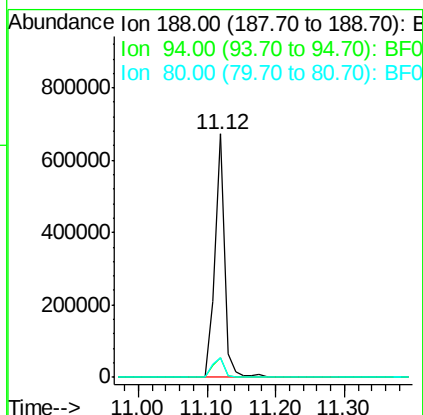
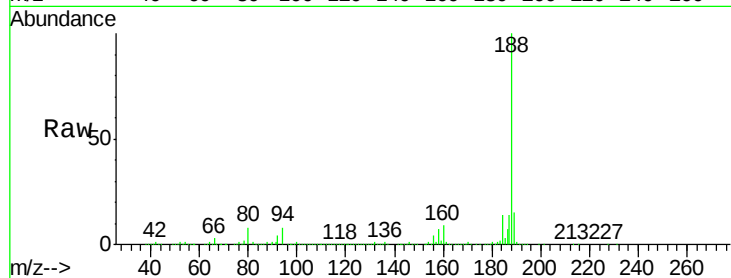




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.02 min
Lab File: BF090011.D
Acq: 7 Sep 2016 18:11

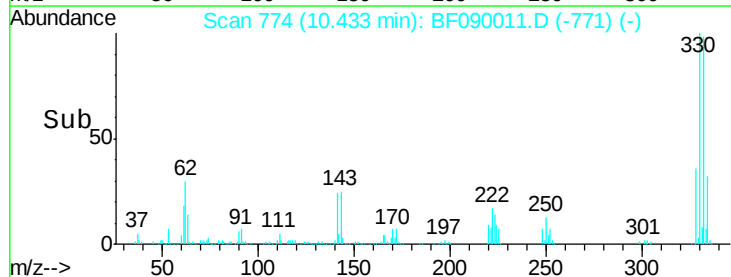
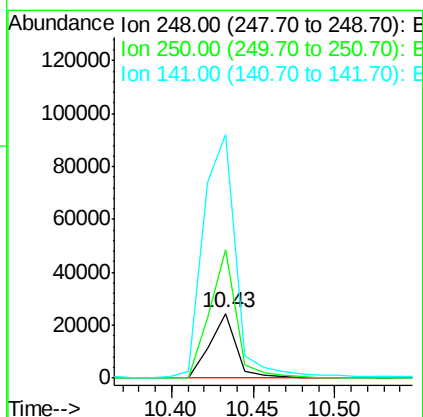
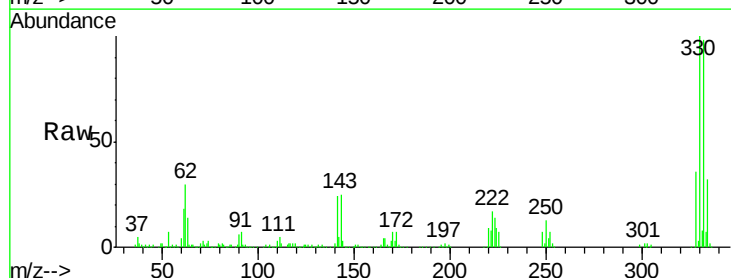
Instrument :
BNA_F
ClientSampleId :

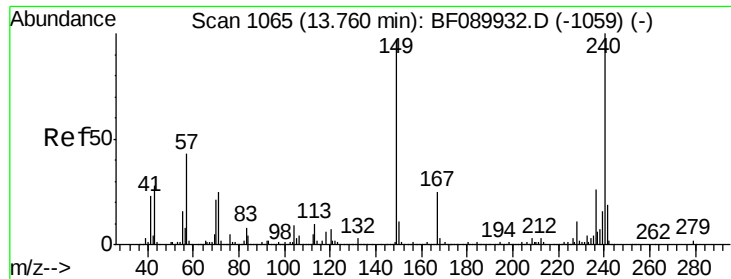
Tot Ion:188 Resp: 678976
Ion Ratio Lower Upper
188 100
94 7.9 5.9 8.9
80 8.0 5.8 8.8



#66
4-Bromophenyl-phenylether
Concen: 4.04 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.26 min
Lab File: BF090011.D
Acq: 7 Sep 2016 18:11

Tgt Ion:248 Resp: 27588
Ion Ratio Lower Upper
248 100
250 197.1 77.3 115.9#
141 374.5 55.8 83.8#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1062

Delta R.T. -0.03 min

Lab File: BF090011.D

Acq: 7 Sep 2016 18:11

Instrument :

BNA_F

ClientSampled :

Tot Ion:240 Resp: 473452

Ion Ratio Lower Upper

240 100

120 15.8 5.7 8.5#

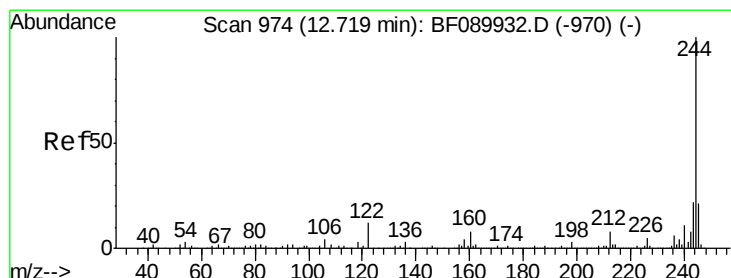
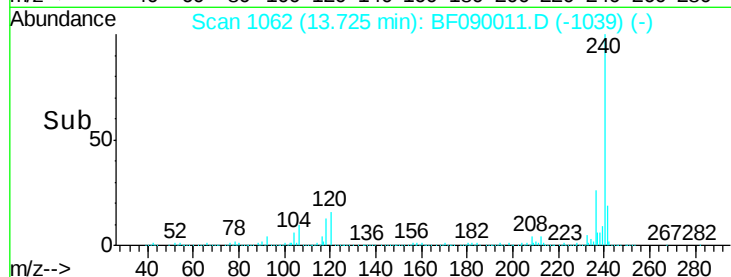
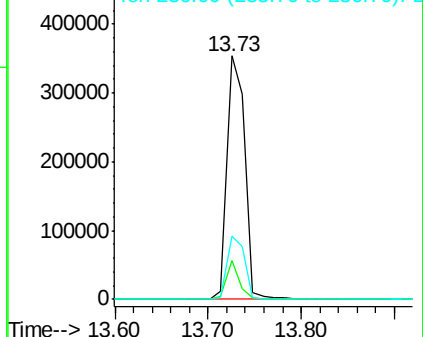
236 25.8 21.3 31.9



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: 63.89 ng

RT: 12.70 min Scan# 972

Delta R.T. -0.03 min

Lab File: BF090011.D

Acq: 7 Sep 2016 18:11

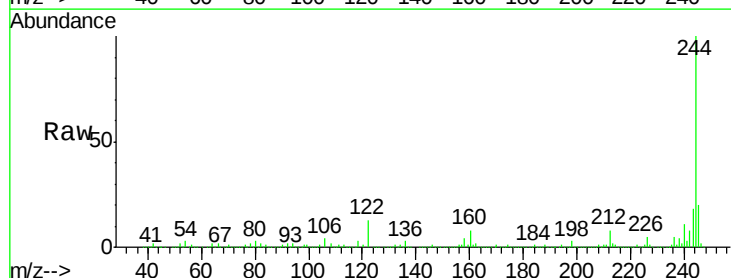
Tgt Ion:244 Resp: 1224511

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

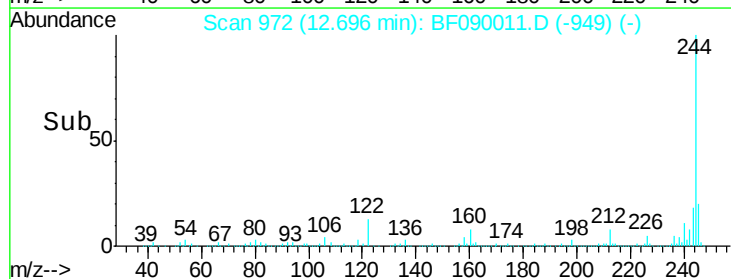
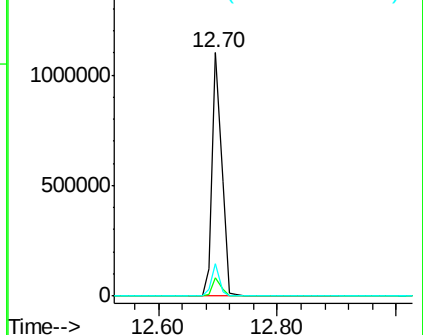
122 13.2 9.6 14.4

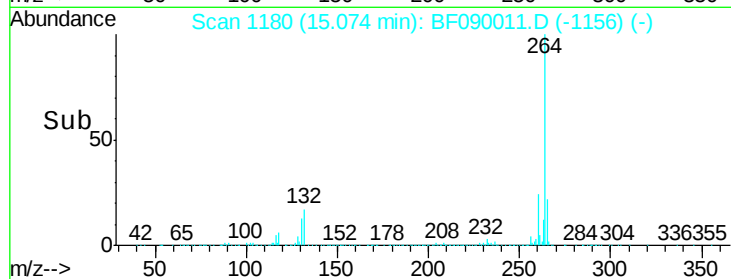
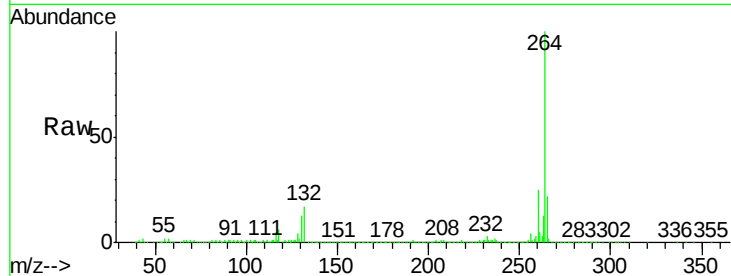
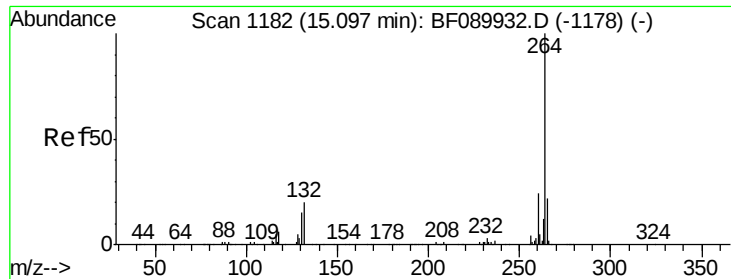


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF090011.D
 Acq: 7 Sep 2016 18:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.0
265	22.0	17.4	26.2

