

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
 Data File : BF089888.D
 Acq On : 24 Aug 2016 21:20
 Operator : UM/SJ
 Sample : H4577-15
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB01-081816

Quant Time: Aug 25 12:22:10 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

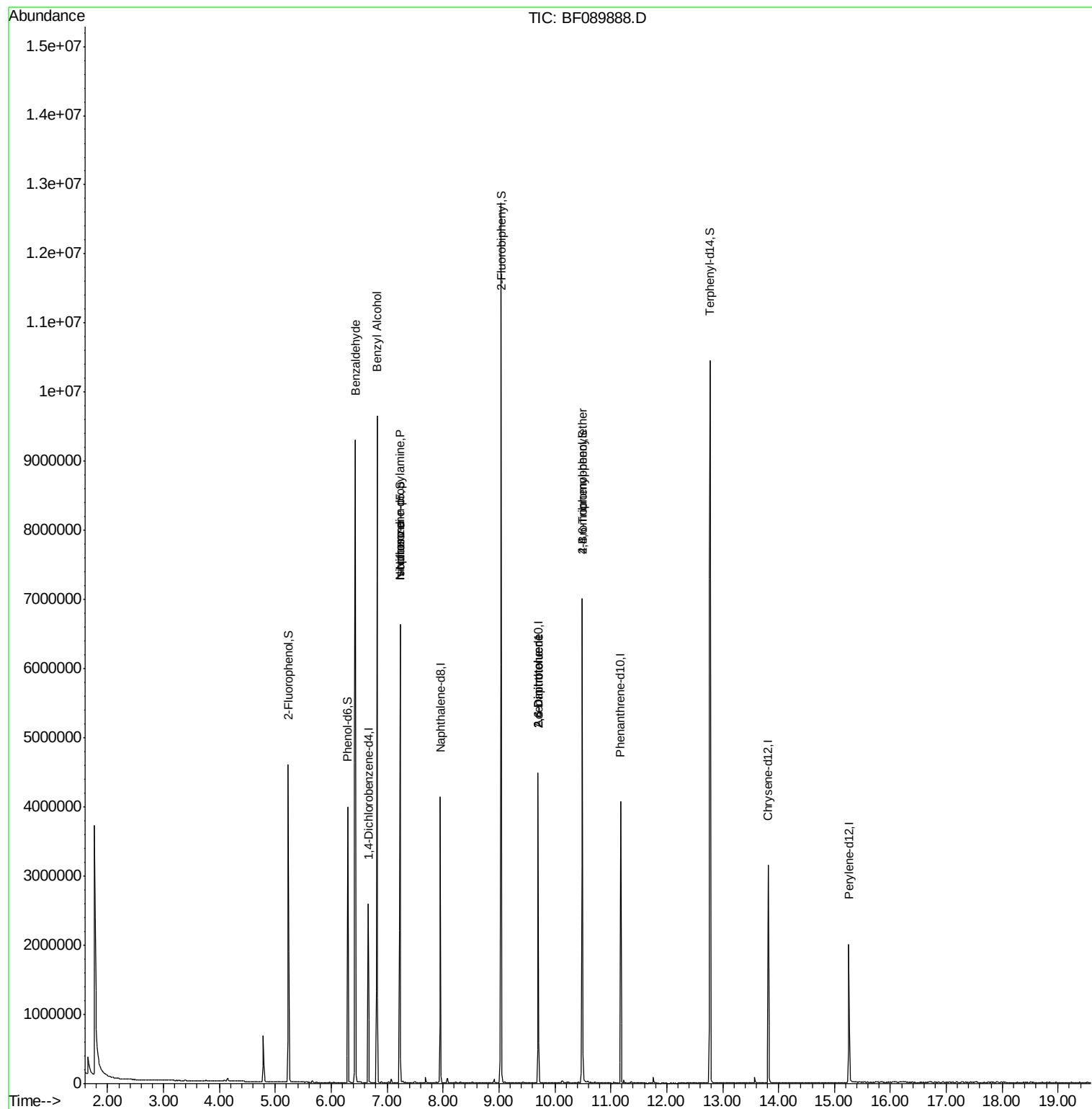
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	415796	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	1786204	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	825437	20.00	ng	-0.01
63) Phenanthrene-d10	11.18	188	1408091	20.00	ng	-0.01
75) Chrysene-d12	13.82	240	1096208	20.00	ng	-0.06
86) Perylene-d12	15.26	264	861878	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	1527728	63.01	ng	-0.02
7) Phenol-d6	6.30	99	1187660	39.90	ng	-0.02
23) Nitrobenzene-d5	7.23	82	2252741	78.35	ng	-0.02
41) 2,4,6-Tribromophenol	10.49	330	922641	117.62	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	4283714	91.21	ng	-0.01
78) Terphenyl-d14	12.78	244	3966167	81.85	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.43	77	66059	3.41	ng	Qvalue 90
15) Benzyl Alcohol	6.82	79	40382	2.05	ng	# 49
19) n-Nitroso-di-n-propylamine	7.23	70	306644	16.11	ng	# 73
25) Isophorone	7.23	82	1690462	29.15	ng	# 67
50) 2,6-Dinitrotoluene	9.70	165	110298	8.22	ng	# 26
56) 2,4-Dinitrotoluene	9.70	165	110305	6.34	ng	# 35
66) 4-Bromophenyl-phenylether	10.49	248	57842	3.92	ng	# 1

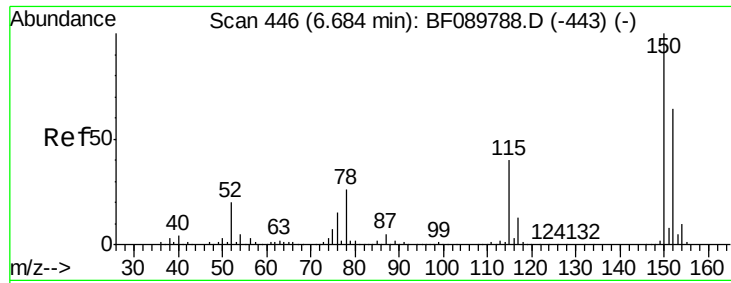
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.02 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

Instrument :

BNA_F

ClientSampleId :

FB01-081816

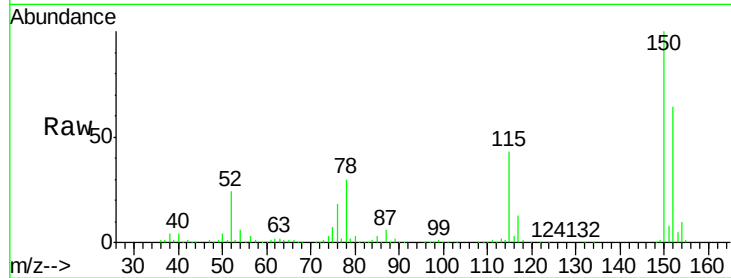
Tgt Ion:152 Resp: 415796

Ion Ratio Lower Upper

152 100

150 156.5 125.3 187.9

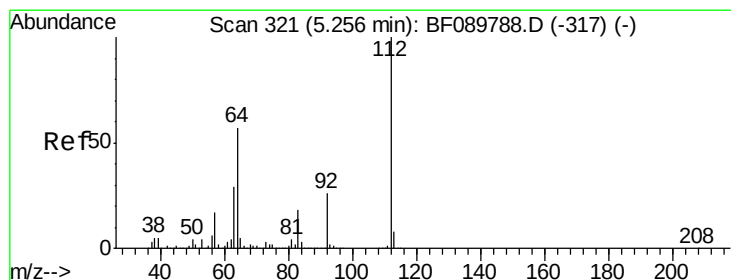
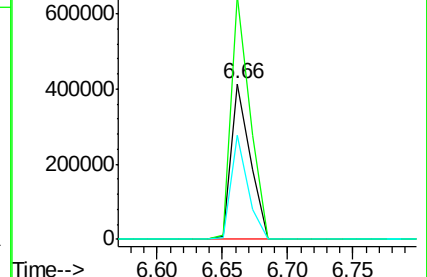
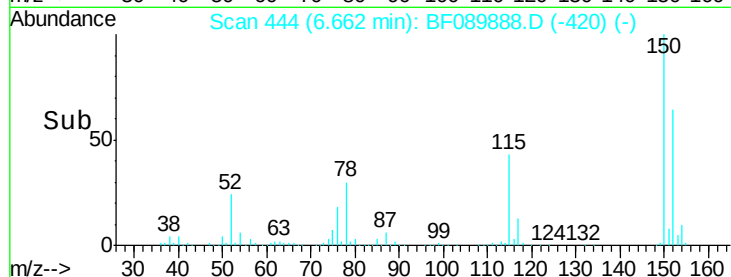
115 66.7 40.9 61.3#



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: 63.01 ng

RT: 5.23 min Scan# 319

Delta R.T. -0.02 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

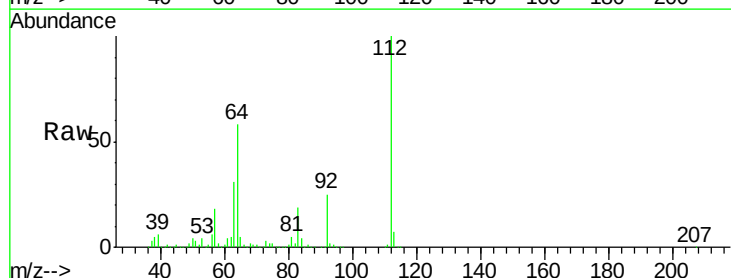
Tgt Ion:112 Resp: 1527728

Ion Ratio Lower Upper

112 100

64 58.4 45.0 67.4

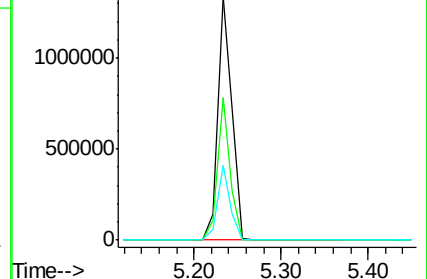
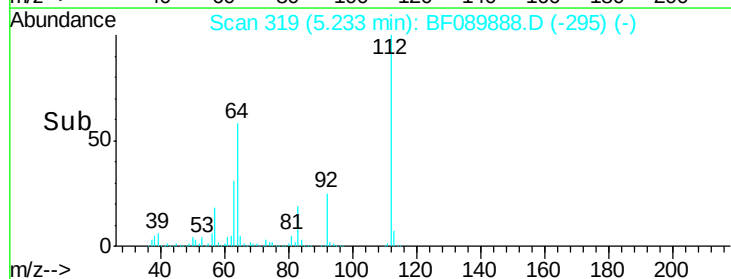
63 30.6 23.1 34.7

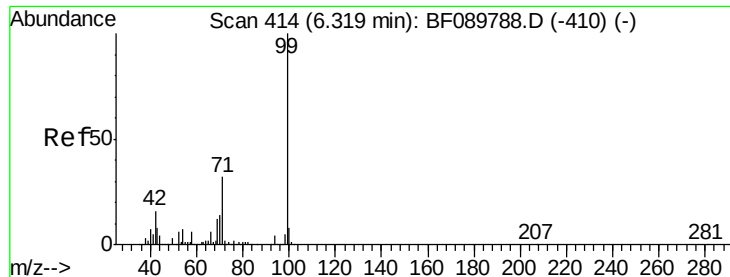


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.90 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.02 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

Instrument :

BNA_F

ClientSampleId :

FB01-081816

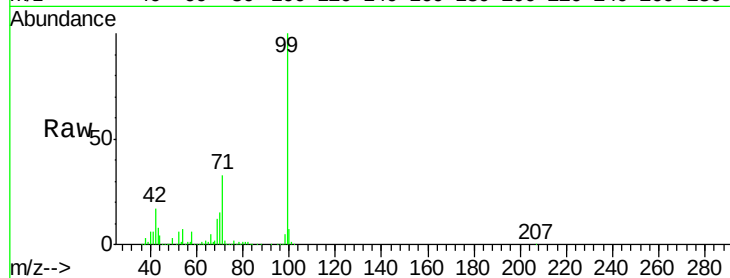
Tgt Ion: 99 Resp: 1187660

Ion Ratio Lower Upper

99 100

42 17.0 12.2 18.4

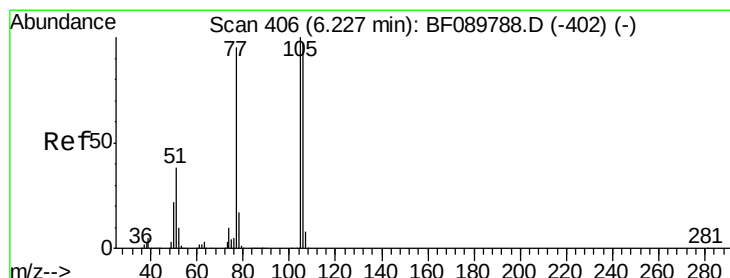
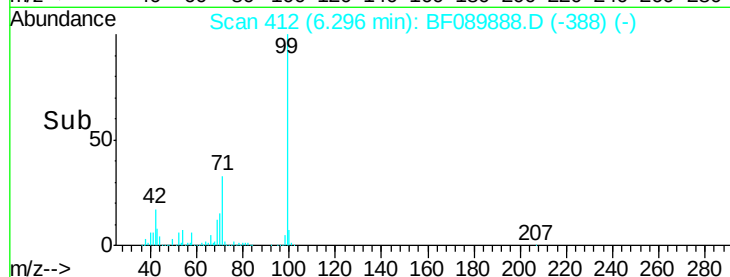
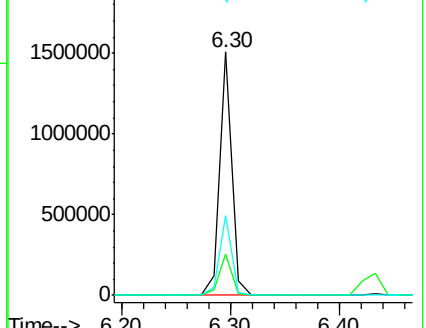
71 32.6 23.8 35.8



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: 3.41 ng

RT: 6.43 min Scan# 424

Delta R.T. 0.21 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

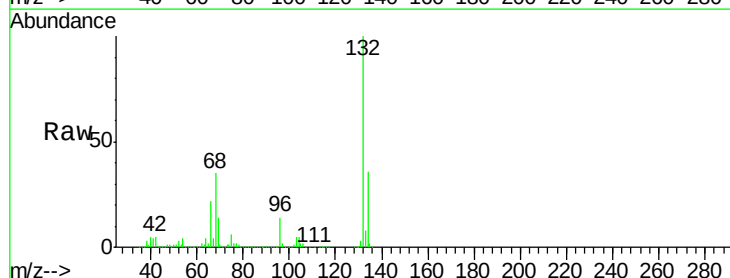
Tgt Ion: 77 Resp: 66059

Ion Ratio Lower Upper

77 100

105 87.1 73.3 113.3

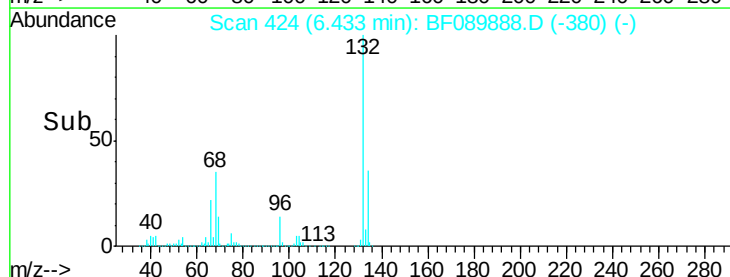
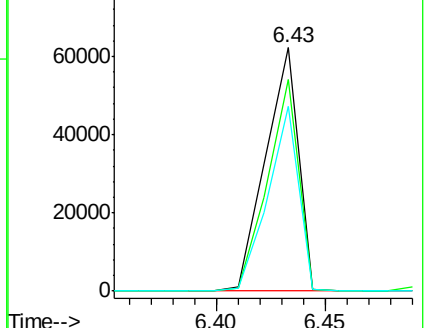
106 75.7 68.6 108.6

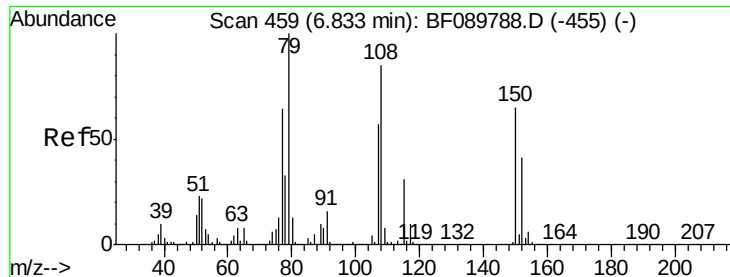


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.05 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

Instrument :

BNA_F

ClientSampleId :

FB01-081816

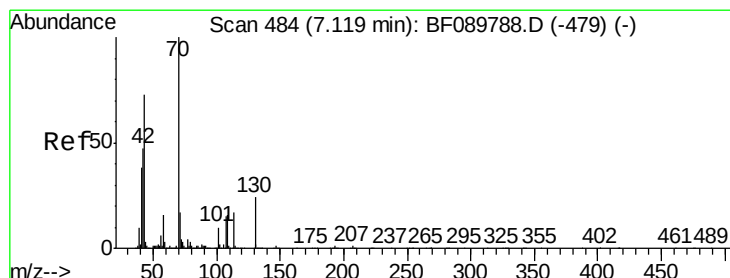
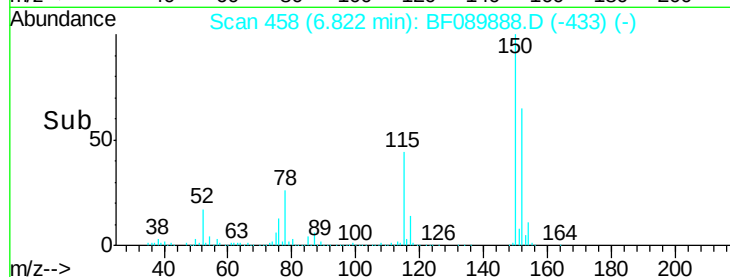
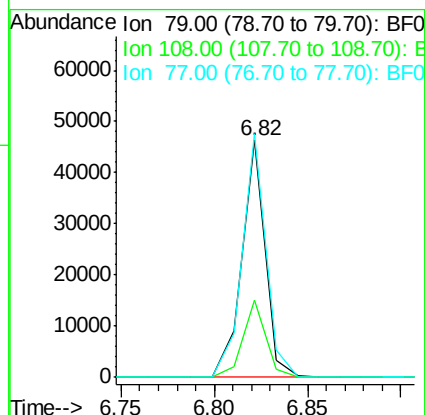
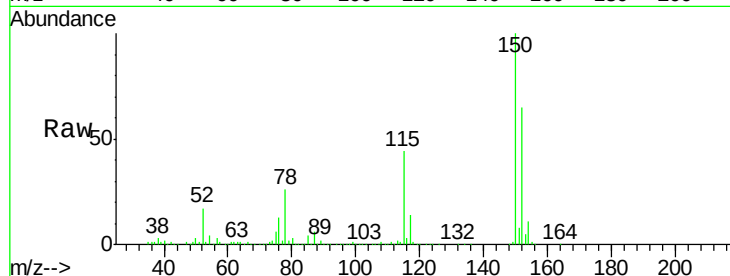
Tgt Ion: 79 Resp: 40382

Ion Ratio Lower Upper

79 100

108 32.7 62.5 93.7#

77 102.9 51.5 77.3#



#19

n-Nitroso-di-n-propylamine

Concen: 16.11 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.11 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

Tgt Ion: 70 Resp: 306644

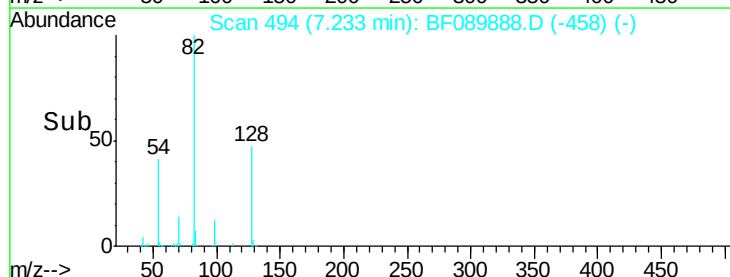
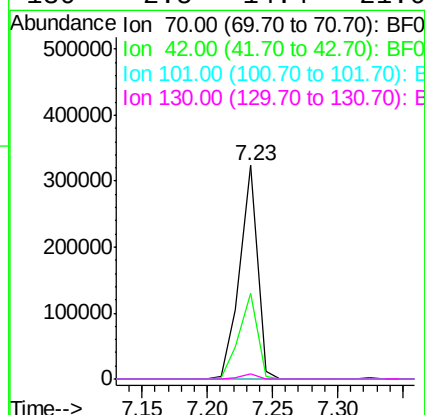
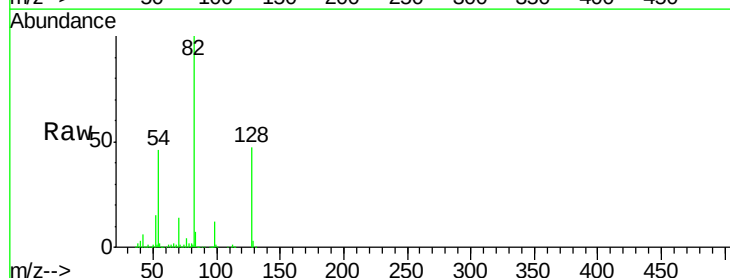
Ion Ratio Lower Upper

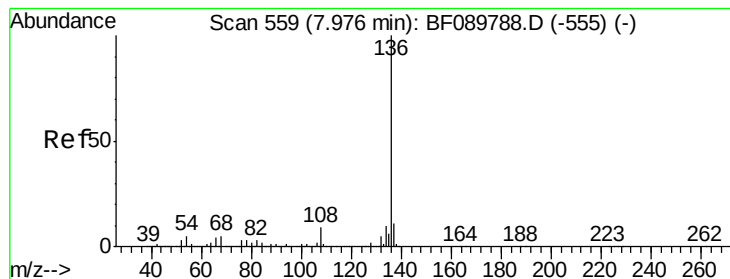
70 100

42 39.9 46.3 69.5#

101 0.0 7.0 10.6#

130 2.5 14.4 21.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 557

Delta R.T. -0.02 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

Instrument :

BNA_F

ClientSampleId :

FB01-081816

Tgt Ion:136 Resp: 1786204

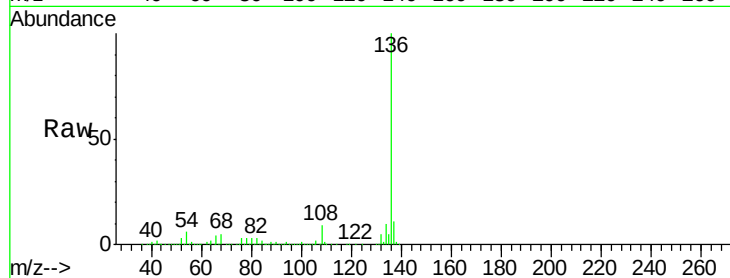
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 5.6 7.2 10.8#

68 5.0 5.8 8.8#

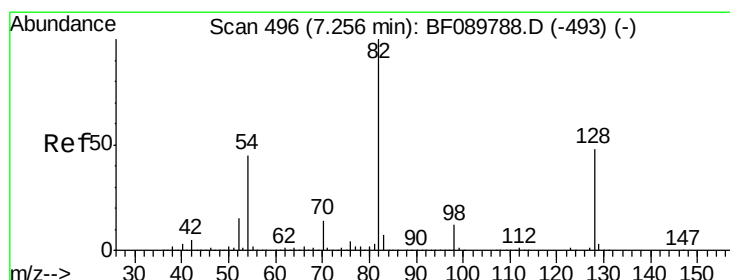
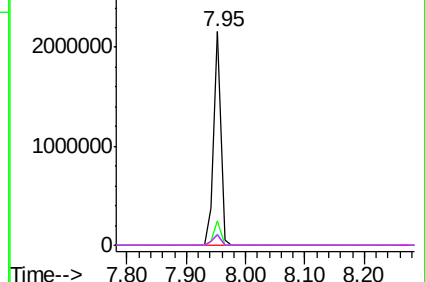
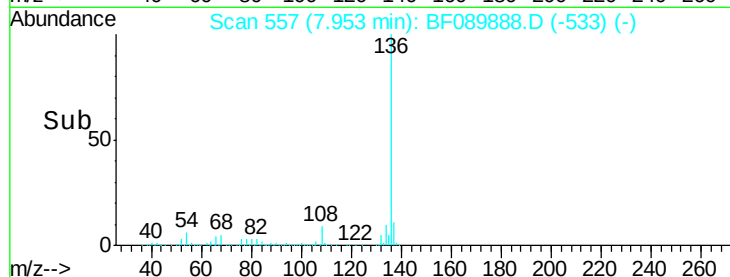


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.35 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.02 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

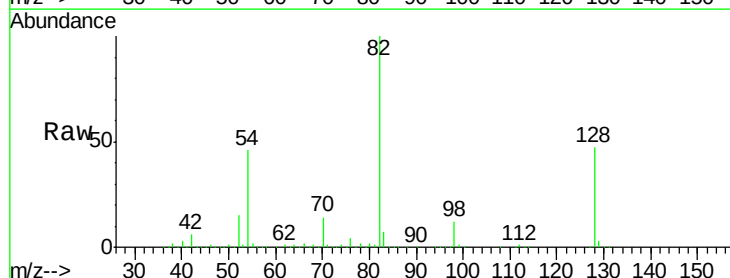
Tgt Ion: 82 Resp: 2252741

Ion Ratio Lower Upper

82 100

128 46.7 34.4 51.6

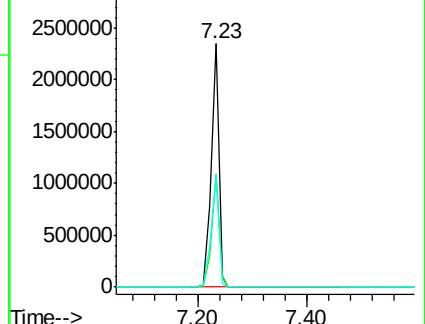
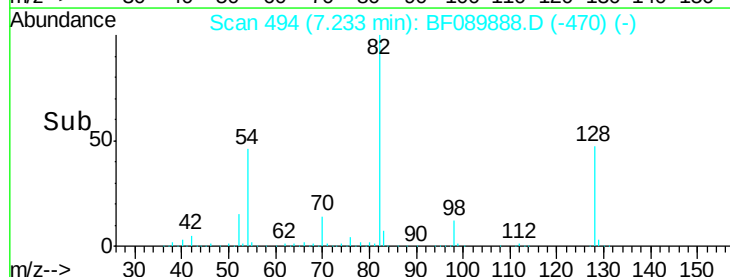
54 45.9 40.3 60.5

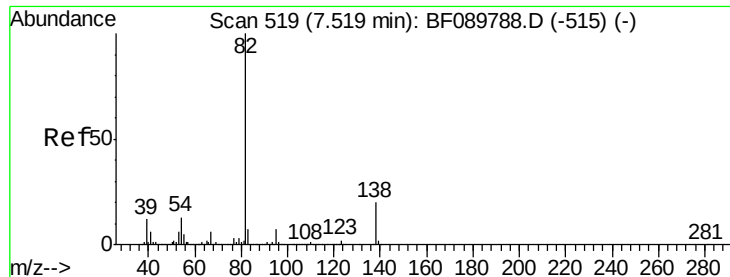


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 29.15 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.29 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

Instrument :

BNA_F

ClientSampleId :

FB01-081816

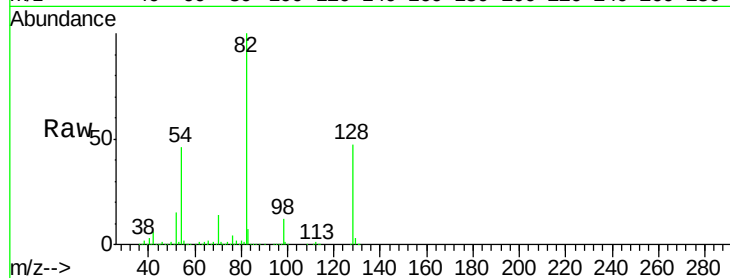
Tgt Ion: 82 Resp: 1690462

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.0 19.4#

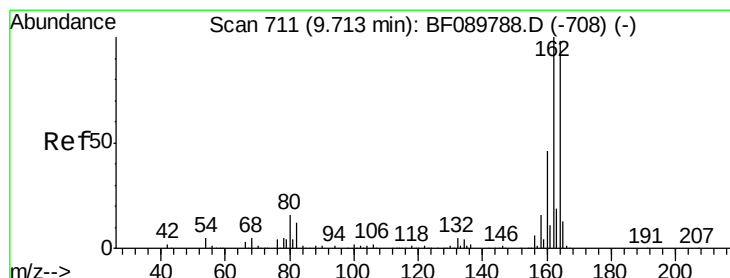
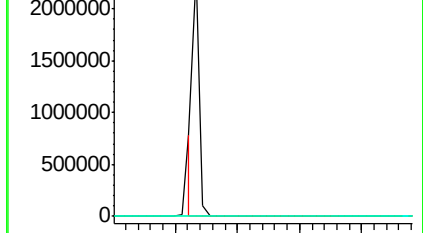
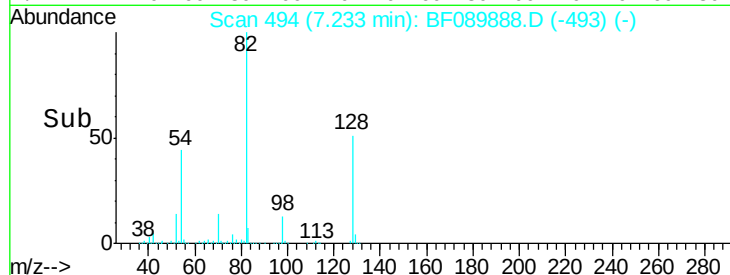


Abundance Ion 82.00 (81.70 to 82.70): BF089788.D (-515) (-)

Ion 95.00 (94.70 to 95.70): BF089788.D (-515) (-)

Ion 138.00 (137.70 to 138.70): BF089788.D (-515) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

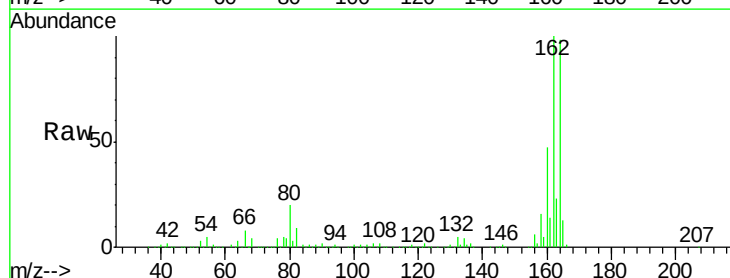
Tgt Ion: 164 Resp: 825437

Ion Ratio Lower Upper

164 100

162 102.1 81.4 122.2

160 47.9 37.8 56.6

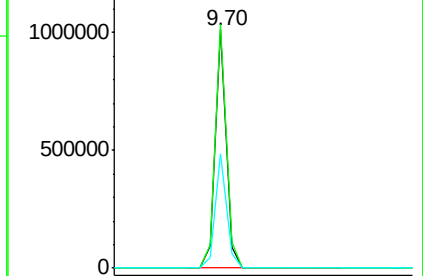
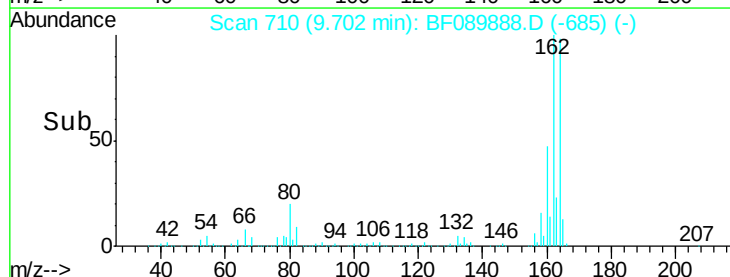


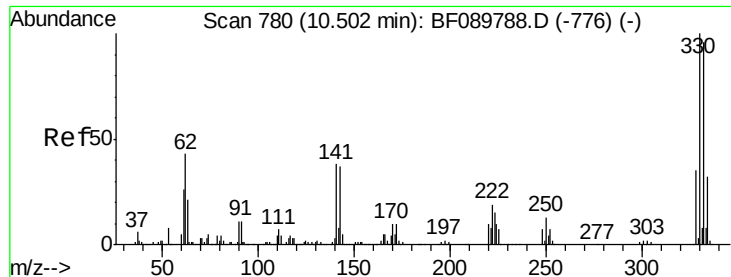
Abundance Ion 164.00 (163.70 to 164.70): BF089788.D (-708) (-)

Ion 162.00 (161.70 to 162.70): BF089788.D (-708) (-)

Ion 160.00 (159.70 to 160.70): BF089788.D (-708) (-)

Time-->

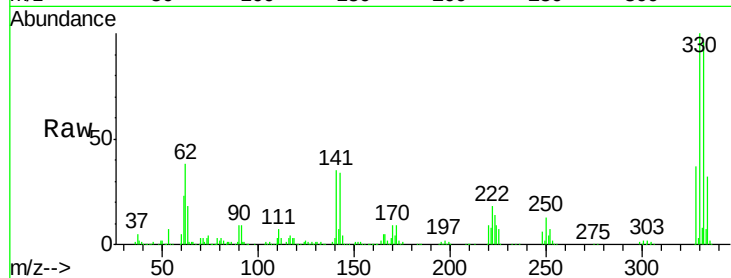




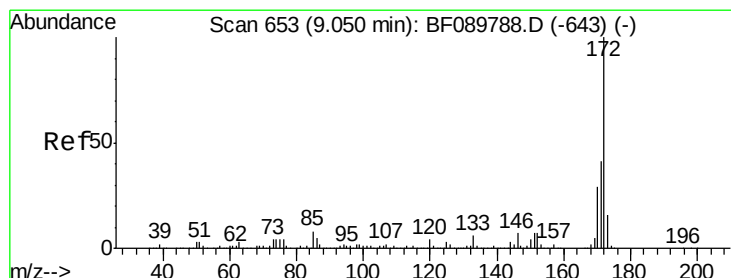
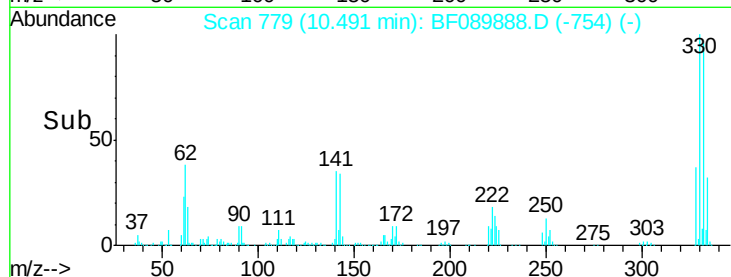
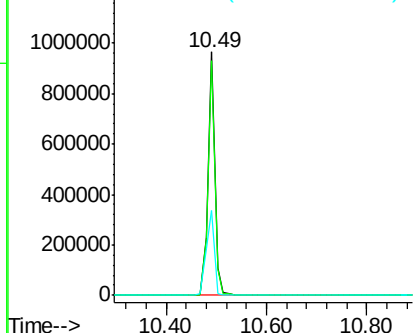
#41
 2,4,6-Tribromophenol
 Concen: 117.62 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089888.D
 Acq: 24 Aug 2016 21:20

Instrument :
 BNA_F
 ClientSampleId :
 FB01-081816

Tgt Ion:330 Resp: 922641
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.7 115.1
 141 40.8 30.2 45.2

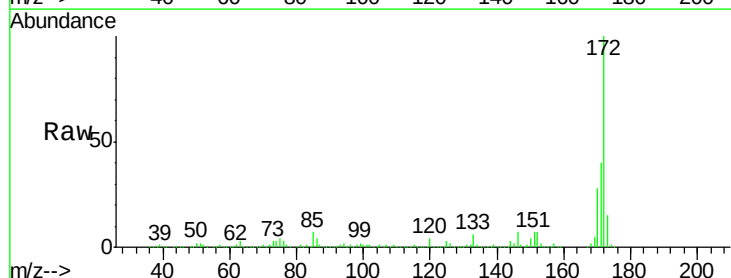


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

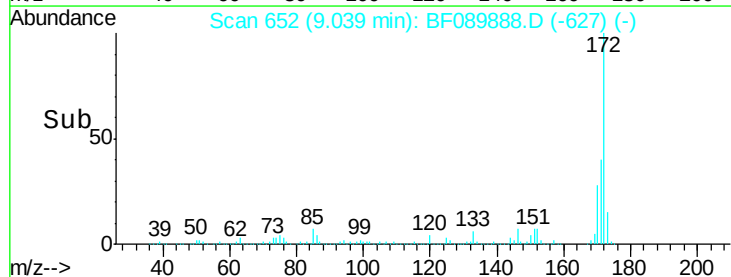
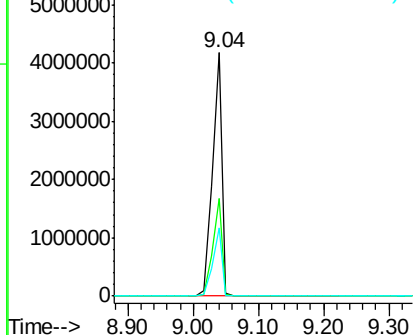


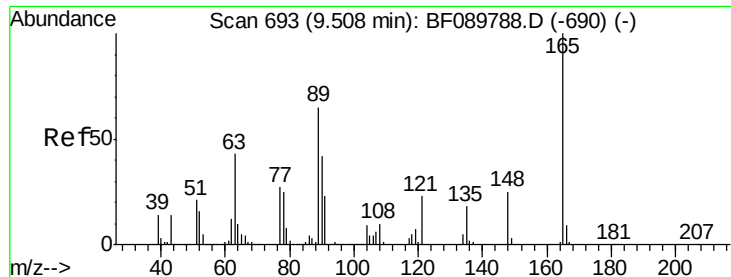
#44
 2-Fluorobiphenyl
 Concen: 91.21 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: BF089888.D
 Acq: 24 Aug 2016 21:20

Tgt Ion:172 Resp: 4283714
 Ion Ratio Lower Upper
 172 100
 171 40.0 30.5 45.7
 170 27.9 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: 8.22 ng

RT: 9.70 min Scan# 710

Delta R.T. 0.19 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

Instrument :

BNA_F

ClientSampleId :

FB01-081816

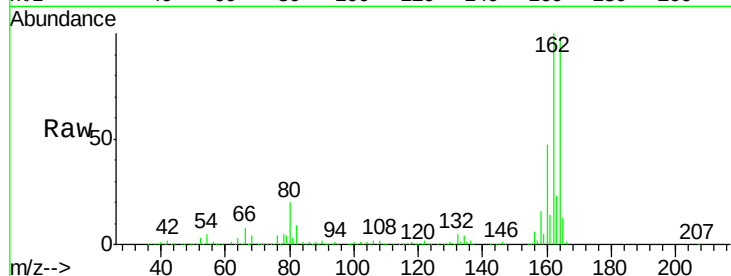
Tgt Ion:165 Resp: 110298

Ion Ratio Lower Upper

165 100

63 1.1 41.7 62.5#

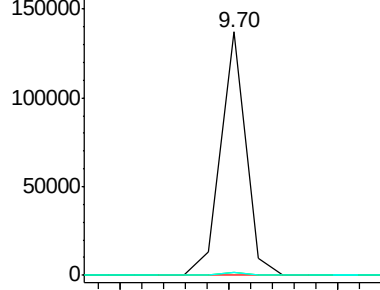
89 1.3 44.6 67.0#



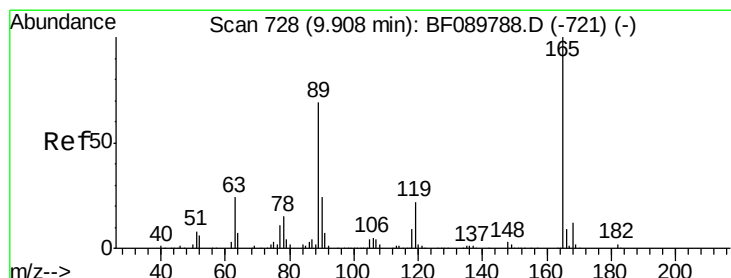
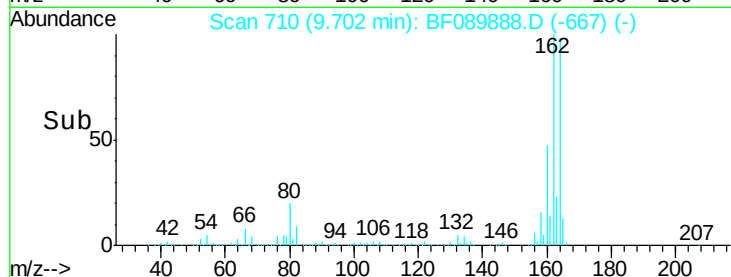
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



Time-->



#56

2,4-Dinitrotoluene

Concen: 6.34 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.21 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

Tgt Ion:165 Resp: 110305

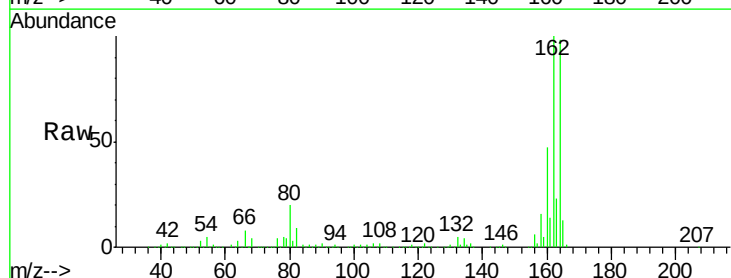
Ion Ratio Lower Upper

165 100

63 1.1 23.7 35.5#

89 1.3 44.0 66.0#

182 0.0 2.0 3.0#

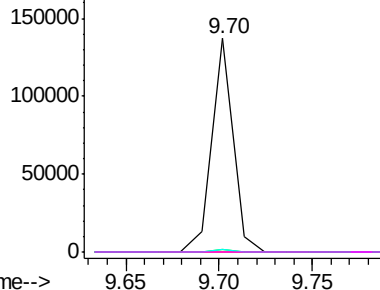


Abundance Ion 165.00 (164.70 to 165.70): E

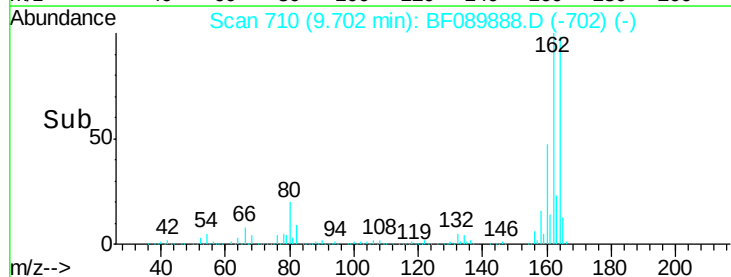
Ion 63.00 (62.70 to 63.70): BF0

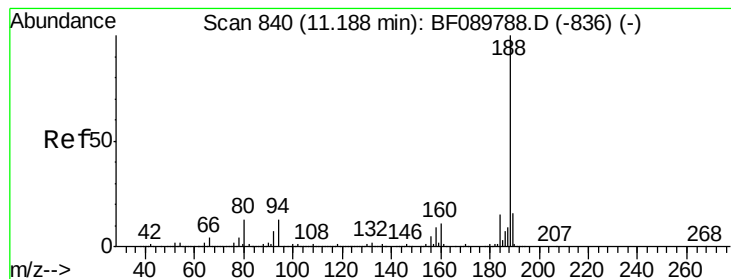
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.18 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

Instrument :

BNA_F

ClientSampleId :

FB01-081816

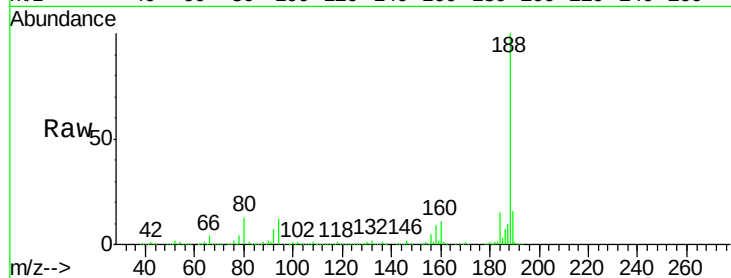
Tgt Ion:188 Resp: 1408091

Ion Ratio Lower Upper

188 100

94 12.1 10.2 15.2

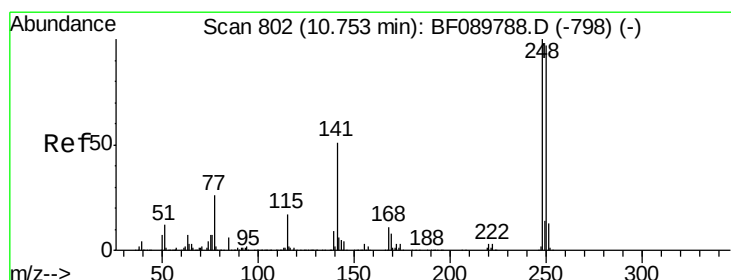
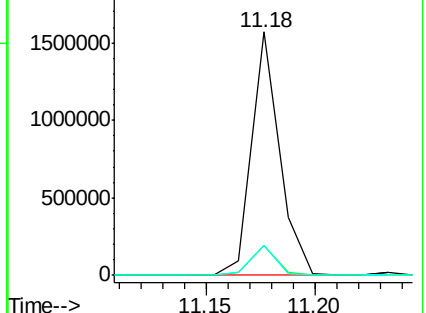
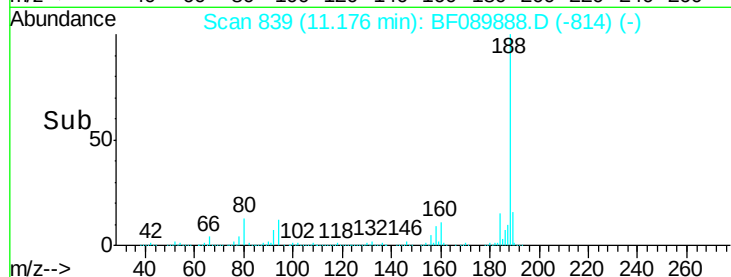
80 12.5 10.9 16.3



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: 3.92 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.26 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

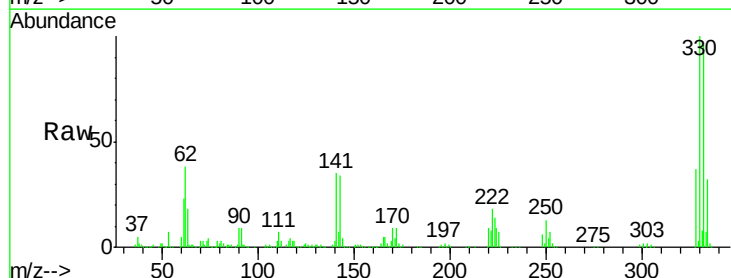
Tgt Ion:248 Resp: 57842

Ion Ratio Lower Upper

248 100

250 198.3 78.6 117.8#

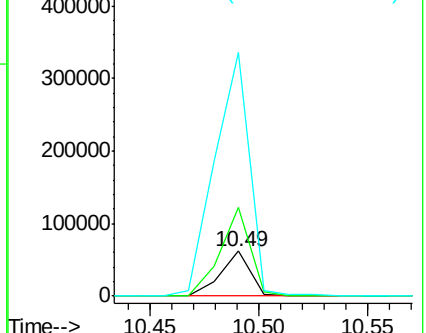
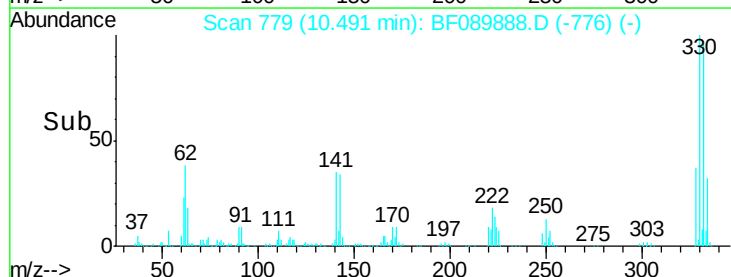
141 543.0 31.4 47.2#

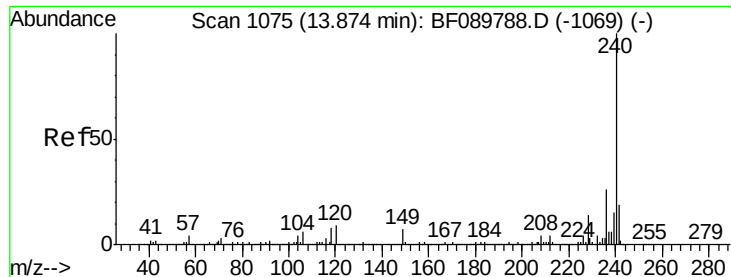


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.82 min Scan# 1070

Delta R.T. -0.06 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

Instrument :

BNA_F

ClientSampleId :

FB01-081816

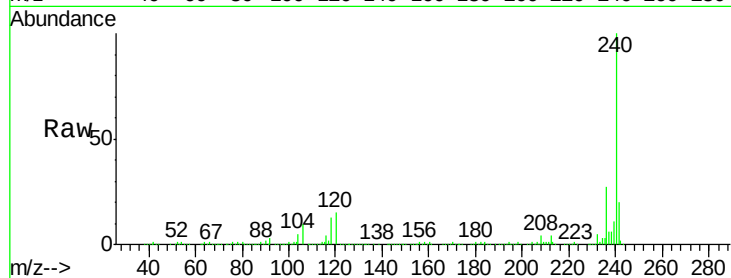
Tgt Ion:240 Resp: 1096208

Ion Ratio Lower Upper

240 100

120 14.5 8.3 12.5#

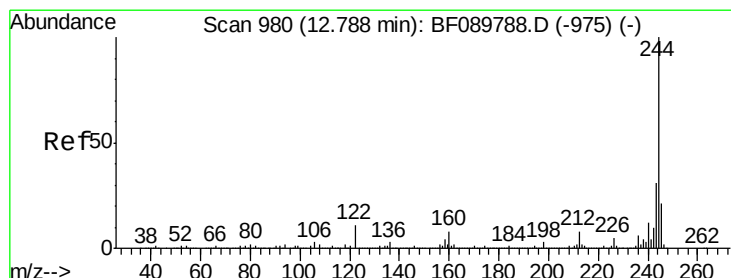
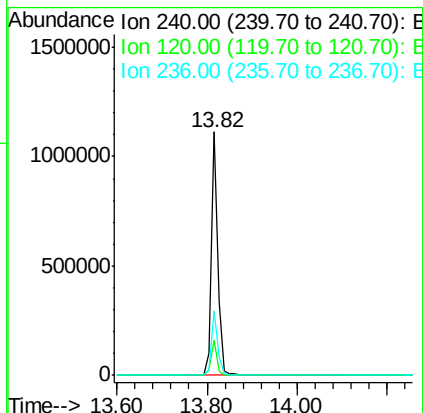
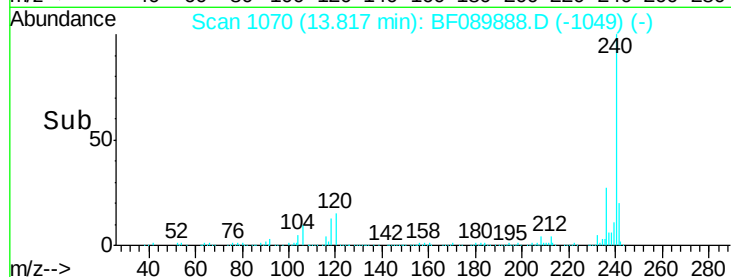
236 26.6 21.3 31.9



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: 81.85 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF089888.D

Acq: 24 Aug 2016 21:20

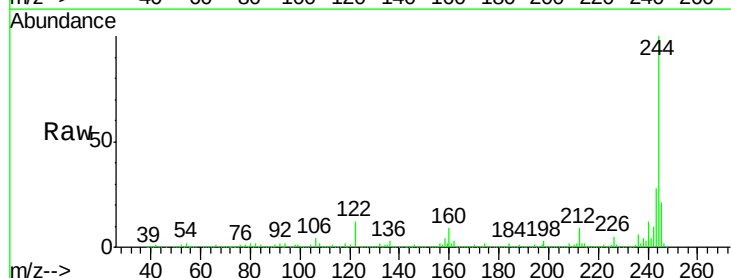
Tgt Ion:244 Resp: 3966167

Ion Ratio Lower Upper

244 100

212 8.6 6.3 9.5

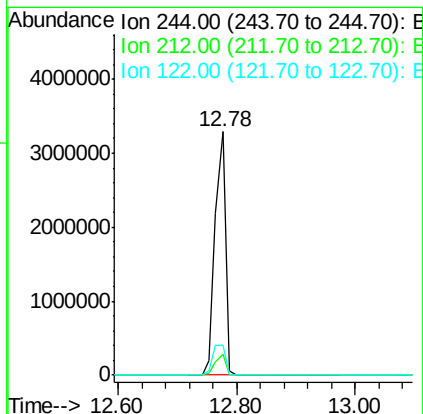
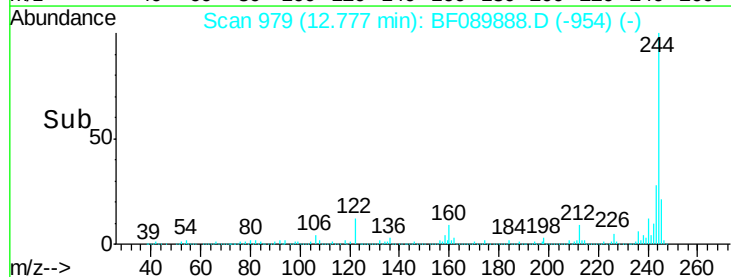
122 12.4 12.0 18.0

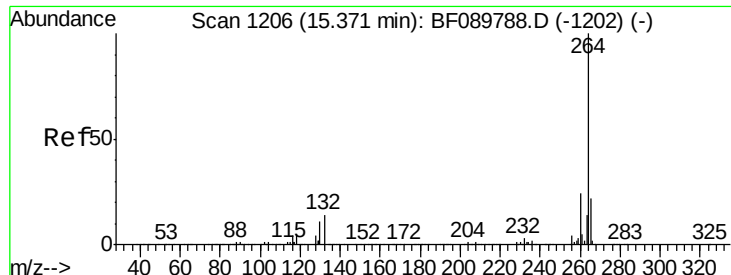


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.26 min Scan# 1196
Delta R.T. -0.11 min
Lab File: BF089888.D
Acq: 24 Aug 2016 21:20

Instrument :
BNA_F
ClientSampleId :
FB01-081816

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.2	30.2
265	22.4	17.4	26.2

