

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080216\
 Data File : BF089563.D
 Acq On : 2 Aug 2016 23:10
 Operator : UM/SJ
 Sample : H4288-17
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-67-5.5-6.5

Quant Time: Aug 03 01:09:20 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

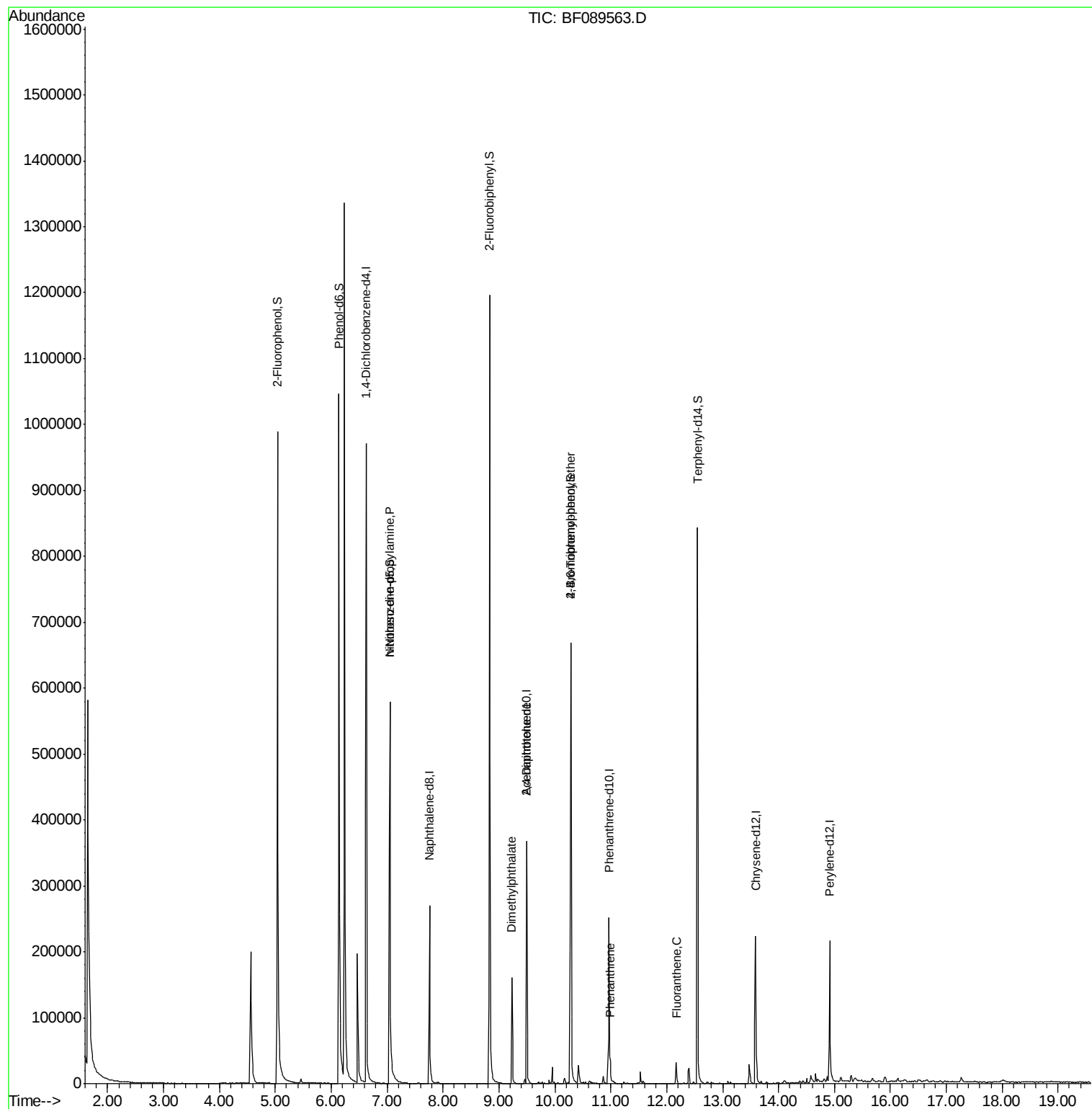
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	179649	20.00	ng	0.08
21) Naphthalene-d8	7.76	136	165771	20.00	ng	-0.07
38) Acenaphthene-d10	9.50	164	72377	20.00	ng	-0.08
63) Phenanthrene-d10	10.97	188	115869	20.00	ng	-0.08
75) Chrysene-d12	13.59	240	91957	20.00	ng	-0.08
86) Perylene-d12	14.91	264	91625	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	367462	32.66	ng	-0.07
7) Phenol-d6	6.14	99	481240	32.37	ng	-0.07
23) Nitrobenzene-d5	7.05	82	311108	110.78	ng	-0.07
41) 2,4,6-Tribromophenol	10.28	330	76569	127.73	ng	-0.08
44) 2-Fluorobiphenyl	8.83	172	460282	93.33	ng	-0.08
78) Terphenyl-d14	12.55	244	296512	75.47	ng	-0.08
Target Compounds						
2) 1,4-Dioxane	1.87	88	479	Below Cal	#	26
19) n-Nitroso-di-n-propylamine	7.05	70	41069	4.58 ng	#	78
49) Dimethylphthalate	9.23	163	75738	13.75 ng	#	98
56) 2,4-Dinitrotoluene	9.50	165	8840	5.93 ng	#	7
66) 4-Bromophenyl-phenylether	10.28	248	6039	5.46 ng	#	1
70) Phenanthrene	10.99	178	11955	2.00 ng		98
74) Fluoranthene	12.17	202	16011	2.55 ng		97

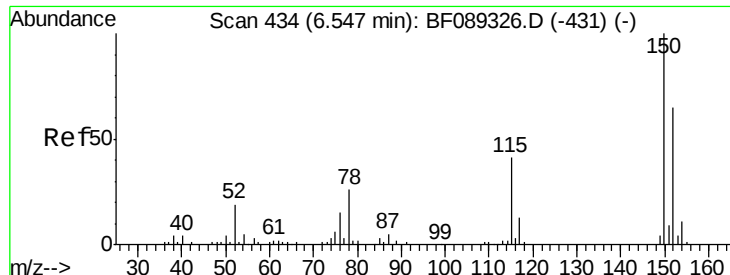
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 6.63 min Scan# 441

Delta R.T. 0.08 min

Lab File: BF089563.D

Acq: 2 Aug 2016 23:10

Instrument :

BNA_F

ClientSampleId :

SB-67-5.5-6.5

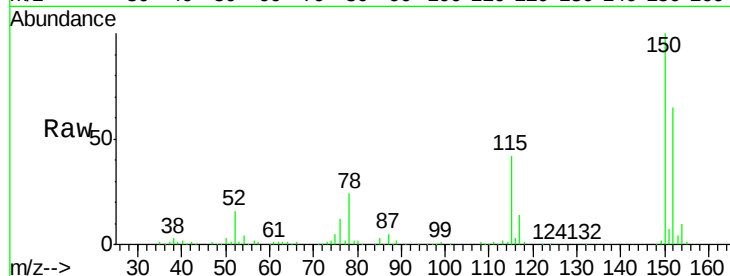
Tgt Ion:152 Resp: 179649

Ion Ratio Lower Upper

152 100

150 154.1 129.5 194.3

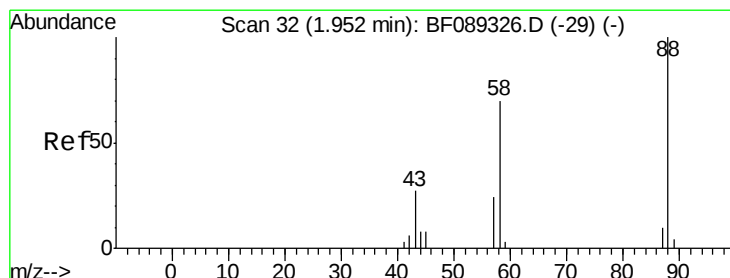
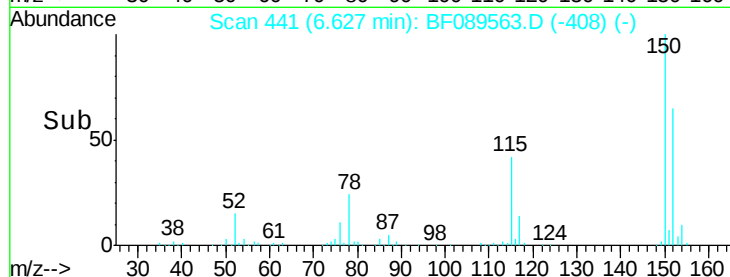
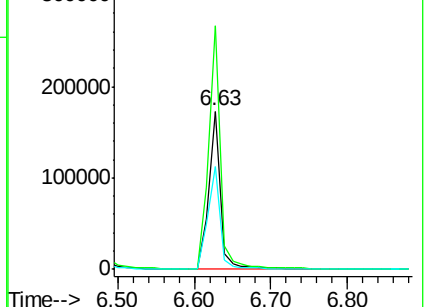
115 65.2 51.4 77.2



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



#2

1,4-Dioxane

Concen: Below Cal

RT: 1.87 min Scan# 25

Delta R.T. -0.08 min

Lab File: BF089563.D

Acq: 2 Aug 2016 23:10

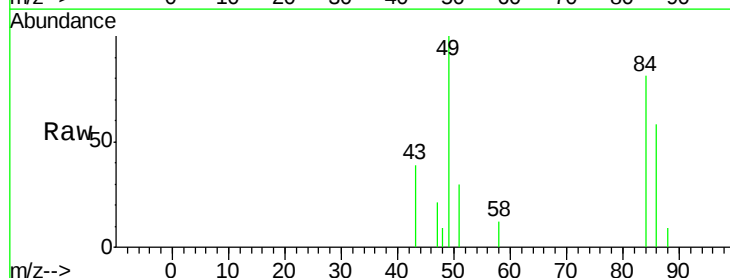
Tgt Ion: 88 Resp: 479

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

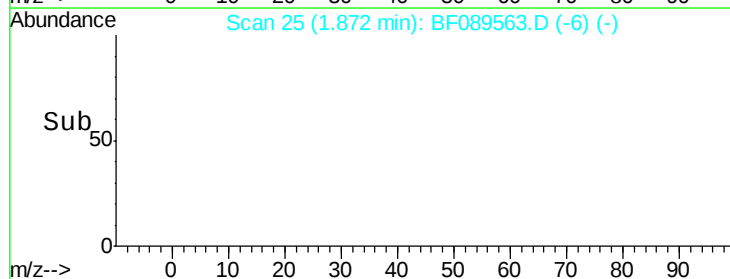
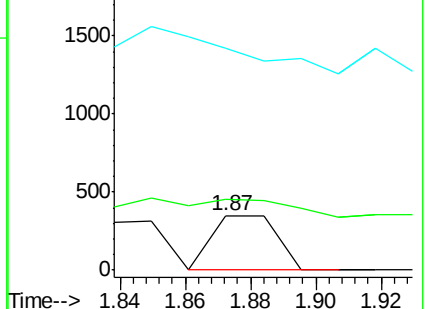
43 0.0 20.6 31.0#

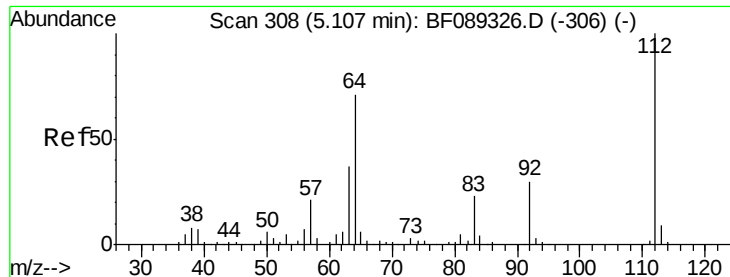


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 32.66 ng

RT: 5.04 min Scan# 302

Delta R.T. -0.07 min

Lab File: BF089563.D

Acq: 2 Aug 2016 23:10

Instrument :

BNA_F

ClientSampleId :

SB-67-5.5-6.5

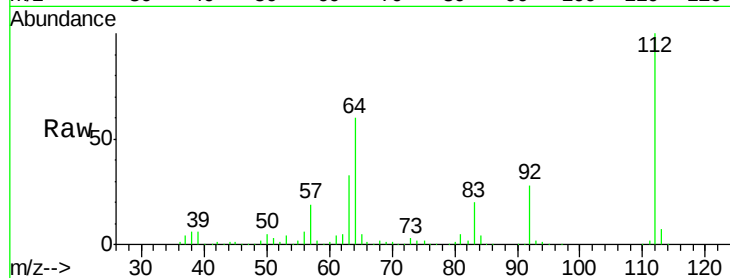
Tgt Ion: 112 Resp: 367462

Ion Ratio Lower Upper

112 100

64 60.2 55.0 82.6

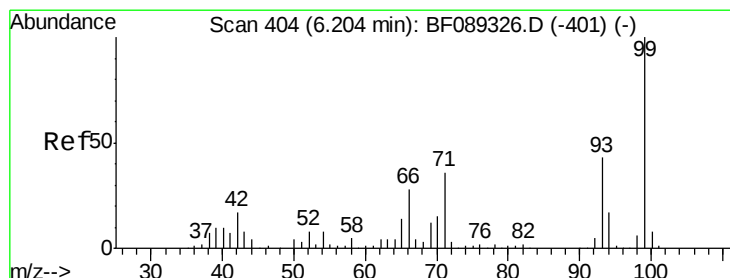
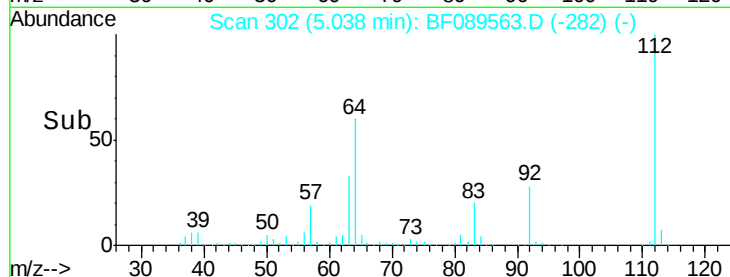
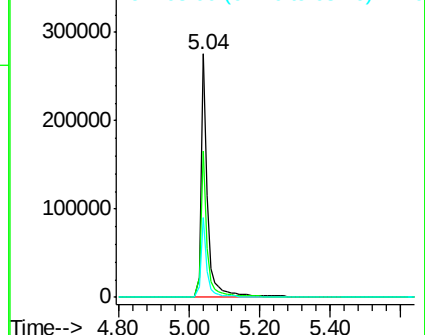
63 32.6 29.4 44.2



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: 32.37 ng

RT: 6.14 min Scan# 398

Delta R.T. -0.07 min

Lab File: BF089563.D

Acq: 2 Aug 2016 23:10

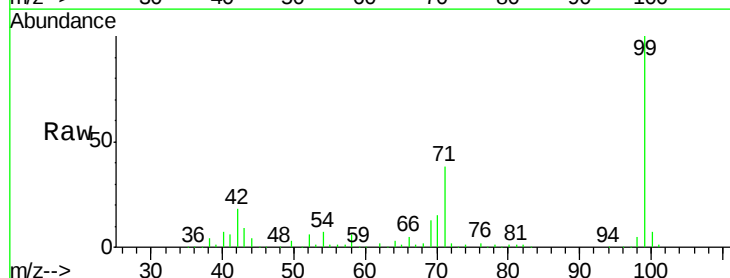
Tgt Ion: 99 Resp: 481240

Ion Ratio Lower Upper

99 100

42 18.4 13.6 20.4

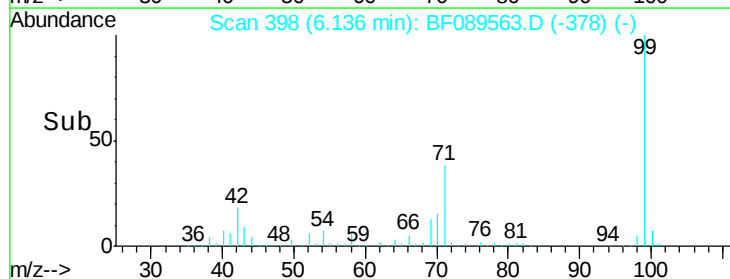
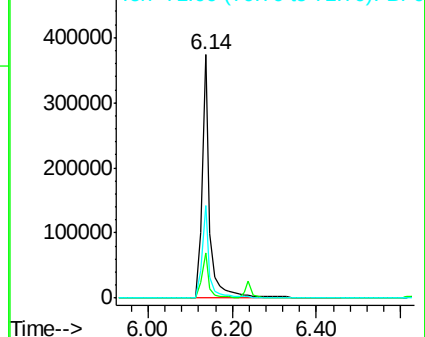
71 37.9 29.4 44.2

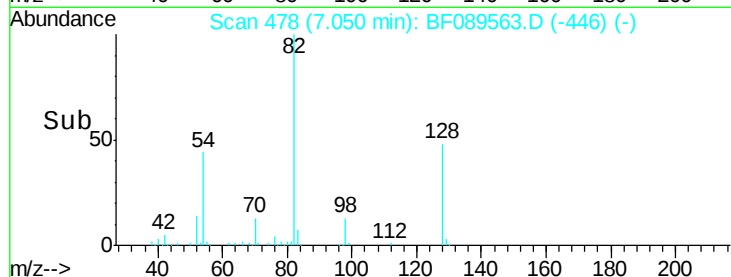
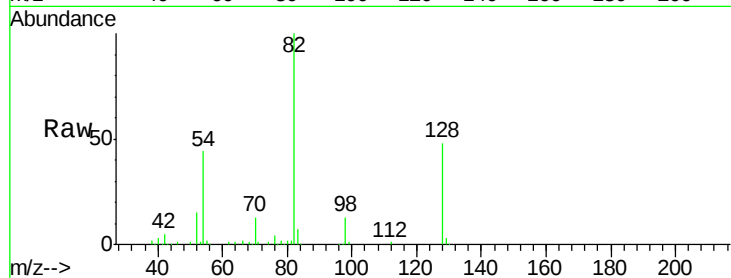
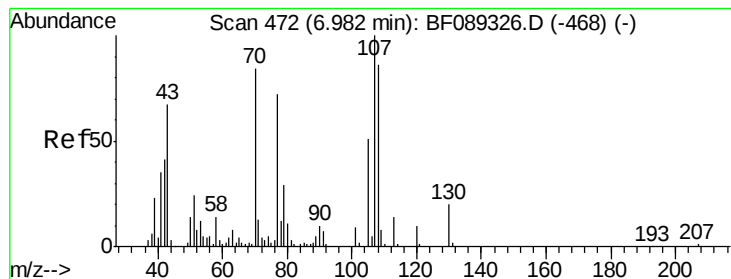


Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 4.58 ng

RT: 7.05 min Scan# 478

Delta R.T. 0.07 min

Lab File: BF089563.D

Acq: 2 Aug 2016 23:10

Instrument :

BNA_F

ClientSampleId :

SB-67-5.5-6.5

Tgt Ion: 70 Resp: 41069

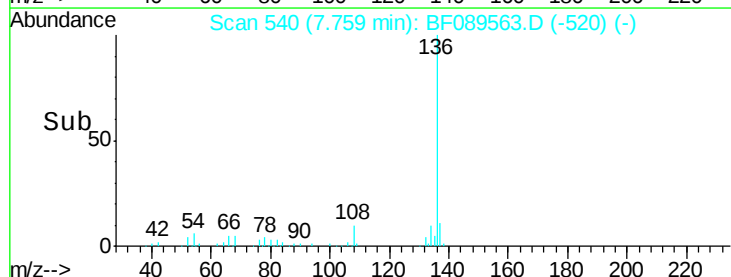
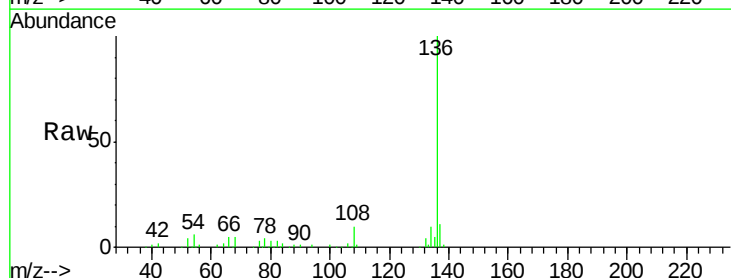
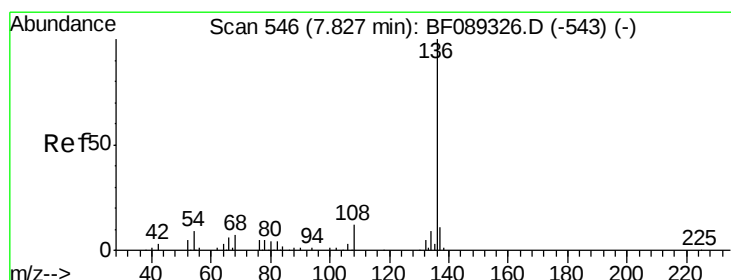
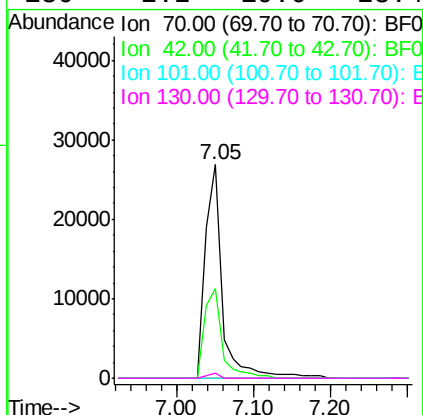
Ion Ratio Lower Upper

70 100

42 41.8 38.6 57.8

101 0.0 8.3 12.5#

130 2.2 19.0 28.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.76 min Scan# 540

Delta R.T. -0.07 min

Lab File: BF089563.D

Acq: 2 Aug 2016 23:10

Tgt Ion: 136 Resp: 165771

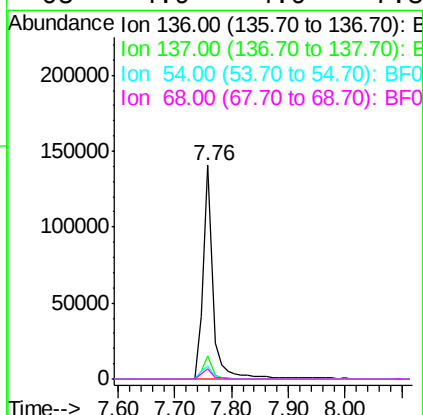
Ion Ratio Lower Upper

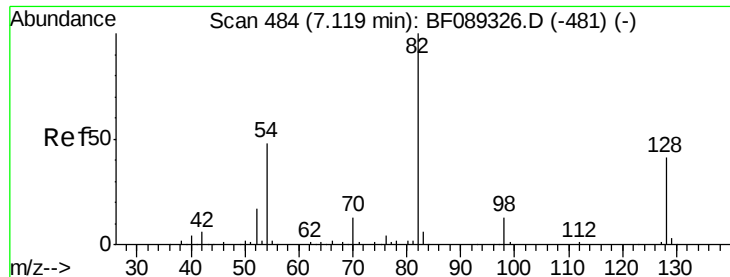
136 100

137 10.7 8.6 13.0

54 6.2 7.0 10.4#

68 4.9 4.9 7.3#

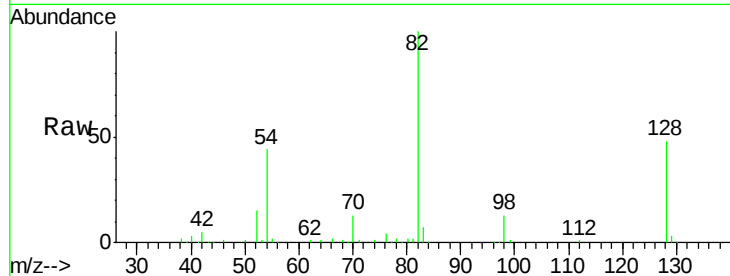




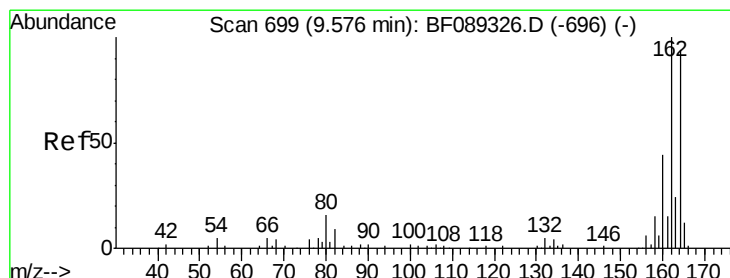
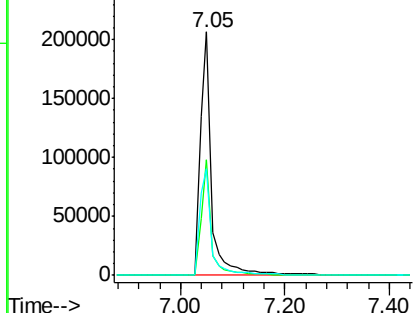
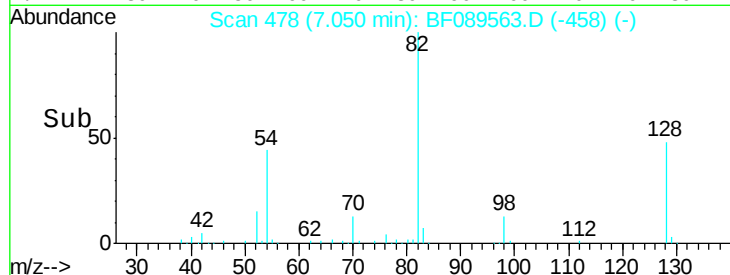
#23
 Nitrobenzene-d5
 Concen: 110.78 ng
 RT: 7.05 min Scan# 478
 Delta R.T. -0.07 min
 Lab File: BF089563.D
 Acq: 2 Aug 2016 23:10

Instrument :
 BNA_F
 ClientSampled :
 SB-67-5.5-6.5

Tgt Ion: 82 Resp: 311108
 Ion Ratio Lower Upper
 82 100
 128 47.6 32.5 48.7
 54 43.7 38.8 58.2

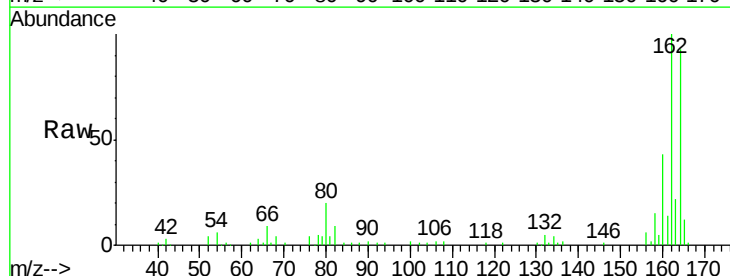


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

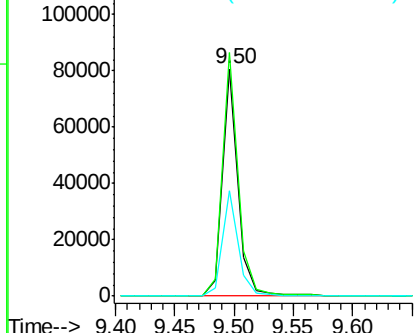
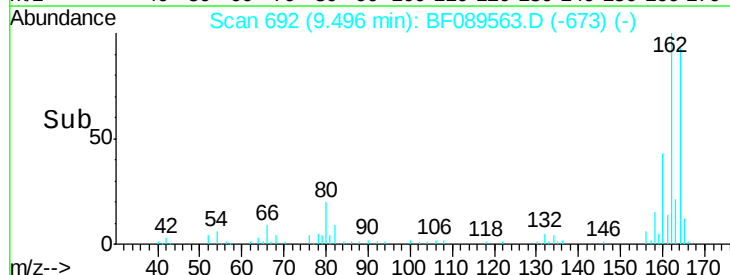


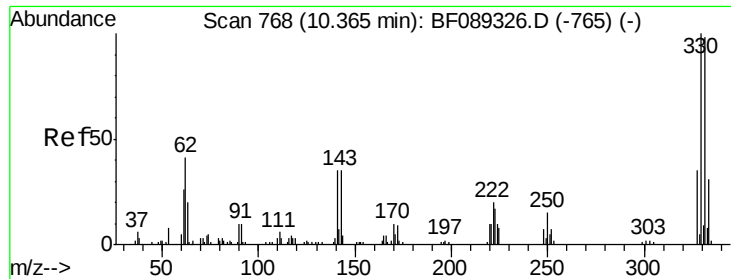
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.50 min Scan# 692
 Delta R.T. -0.08 min
 Lab File: BF089563.D
 Acq: 2 Aug 2016 23:10

Tgt Ion: 164 Resp: 72377
 Ion Ratio Lower Upper
 164 100
 162 107.0 83.7 125.5
 160 46.3 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

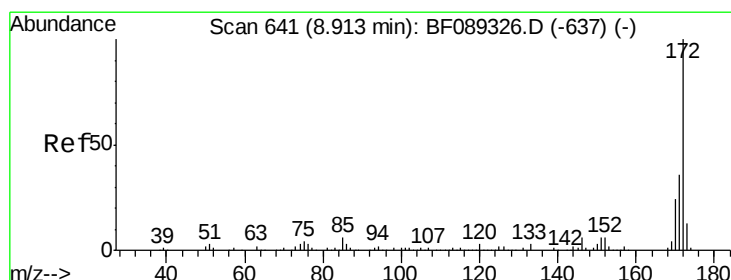
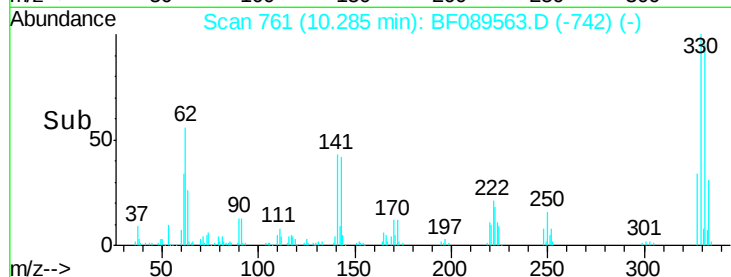
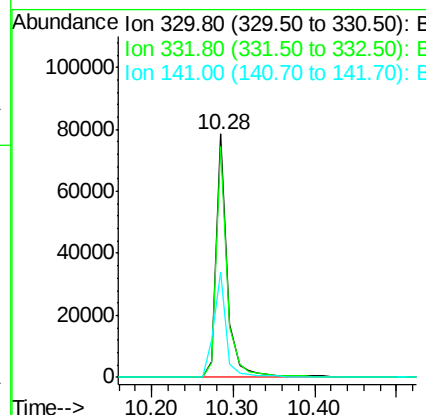
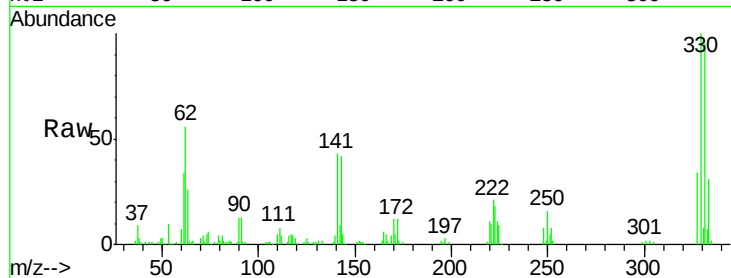




#41
 2,4,6-Tribromophenol
 Concen: 127.73 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.08 min
 Lab File: BF089563.D
 Acq: 2 Aug 2016 23:10

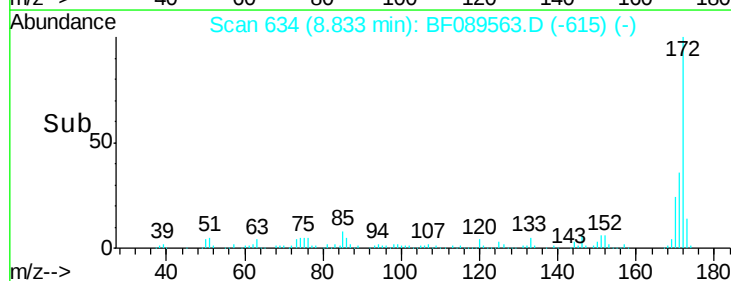
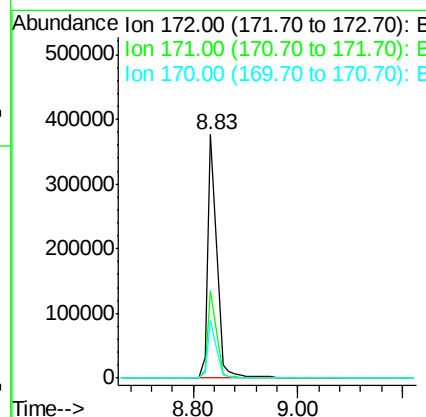
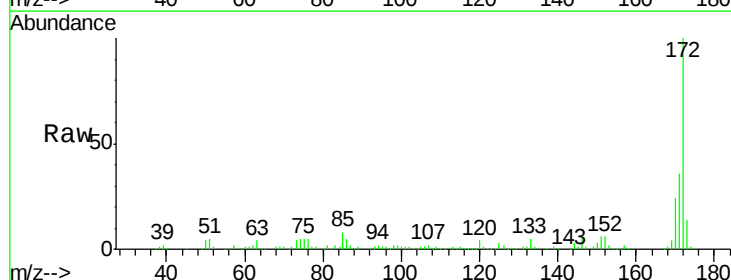
Instrument :
 BNA_F
 ClientSampleId :
 SB-67-5.5-6.5

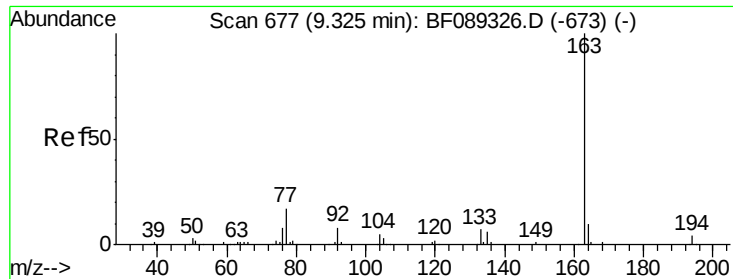
Tgt Ion:330 Resp: 76569
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.8 115.2
 141 48.6 37.3 55.9



#44
 2-Fluorobiphenyl
 Concen: 93.33 ng
 RT: 8.83 min Scan# 634
 Delta R.T. -0.08 min
 Lab File: BF089563.D
 Acq: 2 Aug 2016 23:10

Tgt Ion:172 Resp: 460282
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.2 43.8
 170 23.8 19.2 28.8

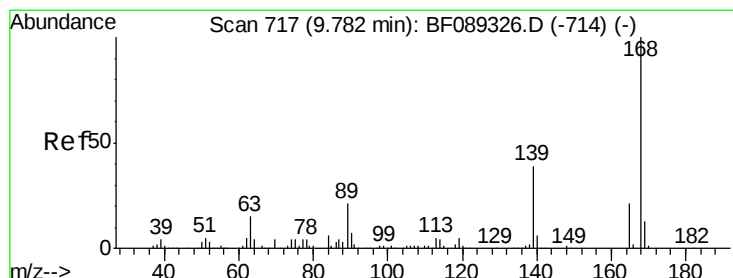
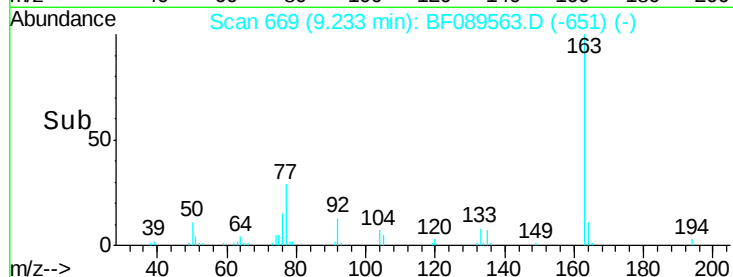
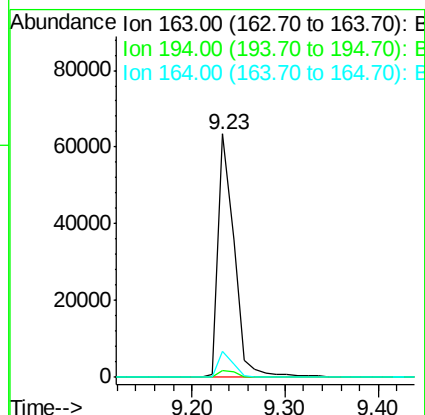
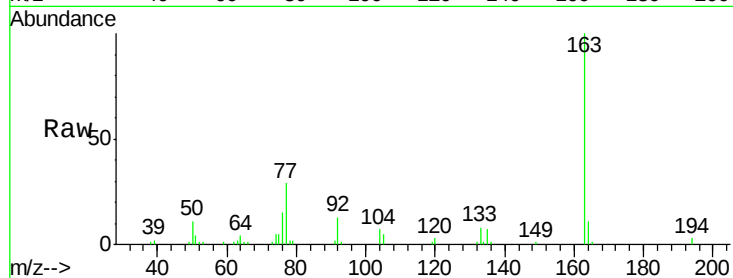




#49
Dimethylphthalate
Concen: 13.75 ng
RT: 9.23 min Scan# 669
Delta R.T. -0.09 min
Lab File: BF089563.D
Acq: 2 Aug 2016 23:10

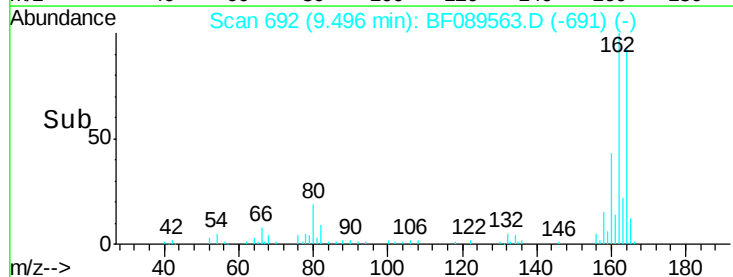
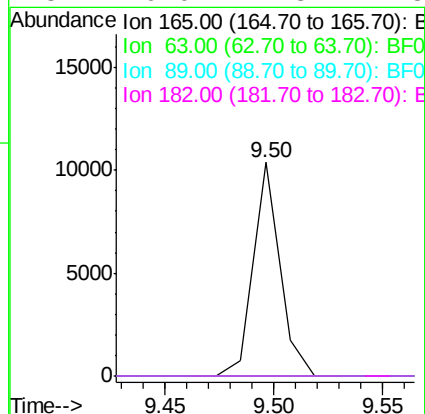
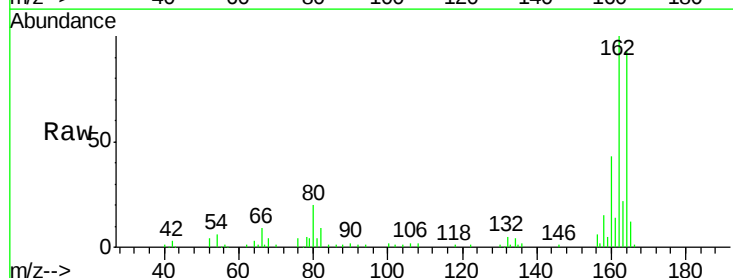
Instrument :
BNA_F
ClientSampleId :
SB-67-5.5-6.5

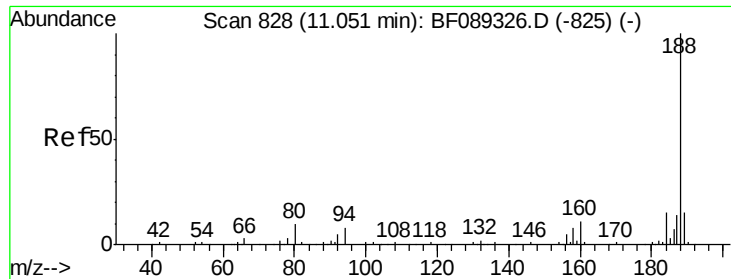
Tgt Ion:163 Resp: 75738
Ion Ratio Lower Upper
163 100
194 2.7 2.8 4.2#
164 10.5 7.8 11.8



#56
2,4-Dinitrotoluene
Concen: 5.93 ng
RT: 9.50 min Scan# 692
Delta R.T. -0.29 min
Lab File: BF089563.D
Acq: 2 Aug 2016 23:10

Tgt Ion:165 Resp: 8840
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#

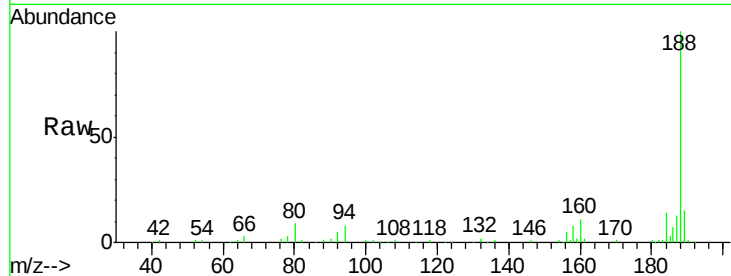




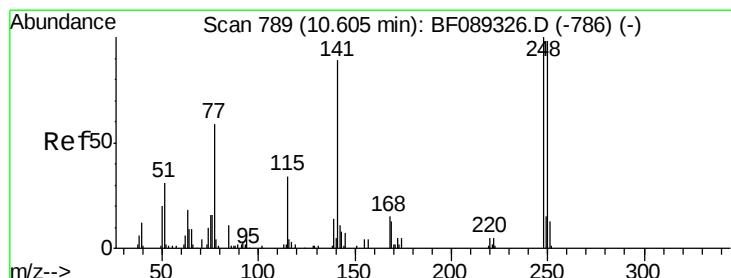
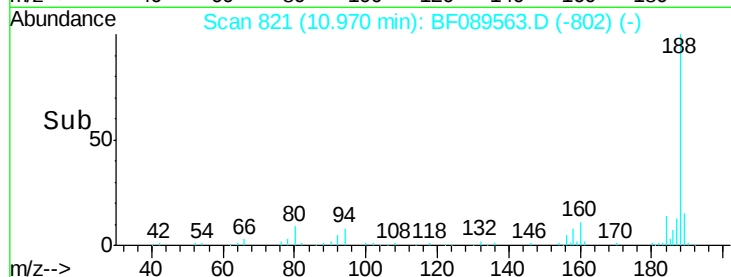
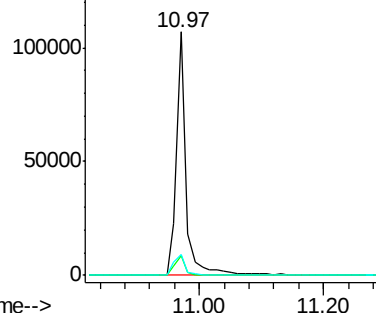
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.97 min Scan# 821
 Delta R.T. -0.08 min
 Lab File: BF089563.D
 Acq: 2 Aug 2016 23:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-67-5.5-6.5

Tgt Ion:188 Resp: 115869
 Ion Ratio Lower Upper
 188 100
 94 8.0 6.5 9.7
 80 8.7 7.2 10.8

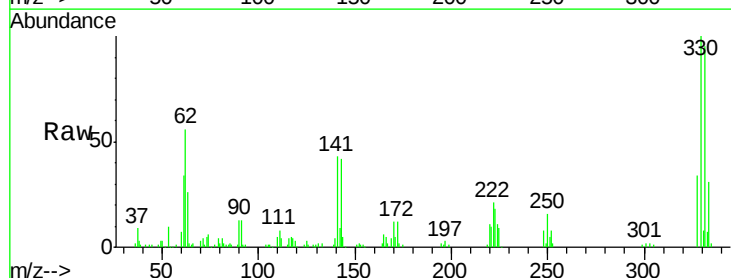


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

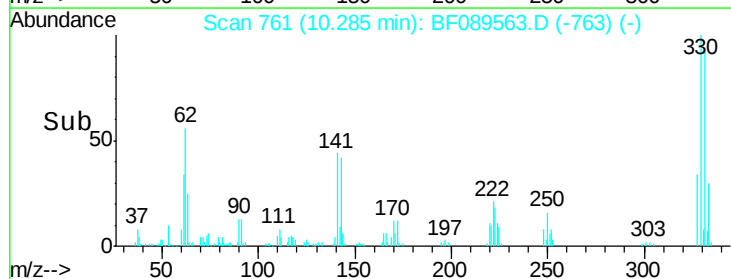
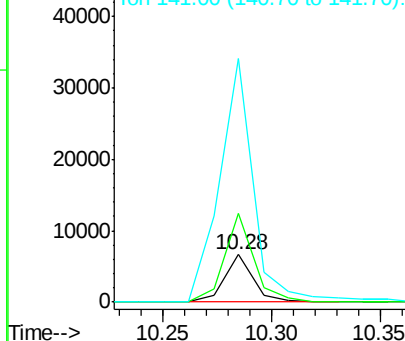


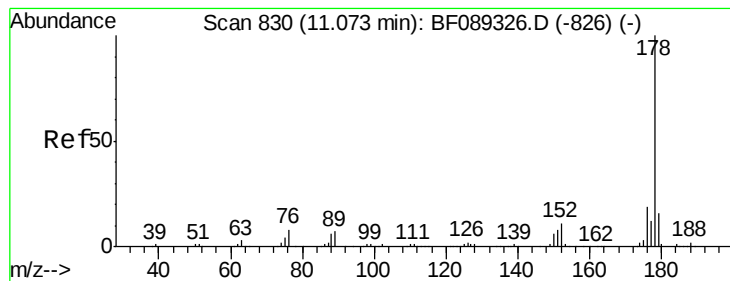
#66
 4-Bromophenyl-phenylether
 Concen: 5.46 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.32 min
 Lab File: BF089563.D
 Acq: 2 Aug 2016 23:10

Tgt Ion:248 Resp: 6039
 Ion Ratio Lower Upper
 248 100
 250 188.5 78.2 117.2#
 141 513.9 62.0 93.0#



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





#70

Phenanthrene

Concen: 2.00 ng

RT: 10.99 min Scan# 823

Delta R.T. -0.08 min

Lab File: BF089563.D

Acq: 2 Aug 2016 23:10

Instrument :

BNA_F

ClientSampleId :

SB-67-5.5-6.5

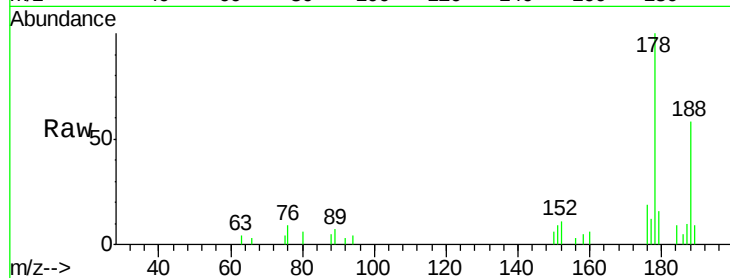
Tgt Ion:178 Resp: 11955

Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

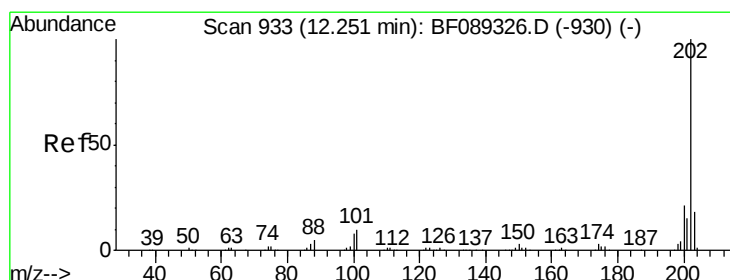
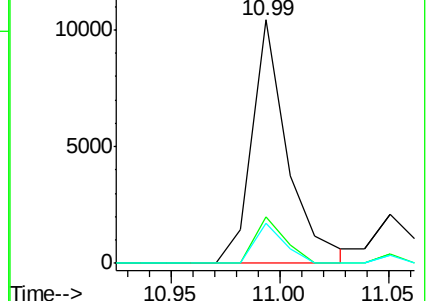
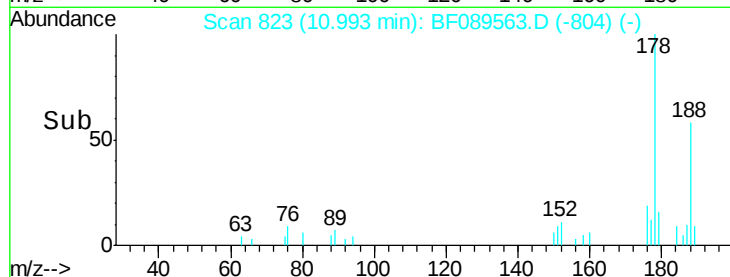
179 16.3 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 2.55 ng

RT: 12.17 min Scan# 926

Delta R.T. -0.08 min

Lab File: BF089563.D

Acq: 2 Aug 2016 23:10

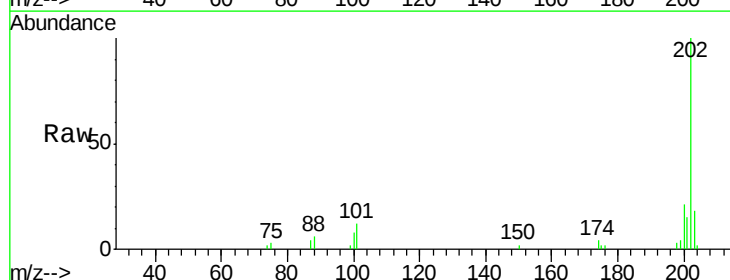
Tgt Ion:202 Resp: 16011

Ion Ratio Lower Upper

202 100

101 12.0 0.0 29.9

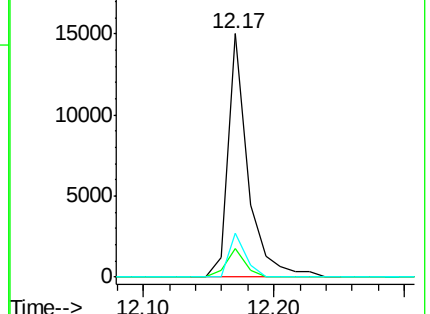
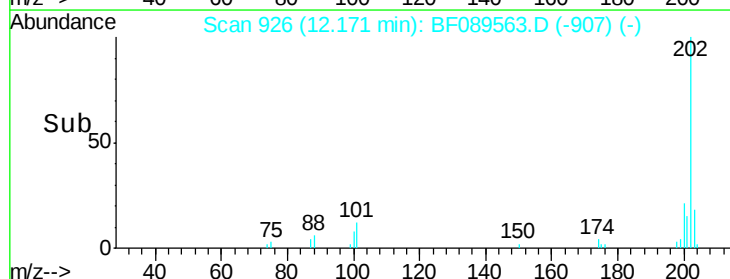
203 18.3 0.0 37.3

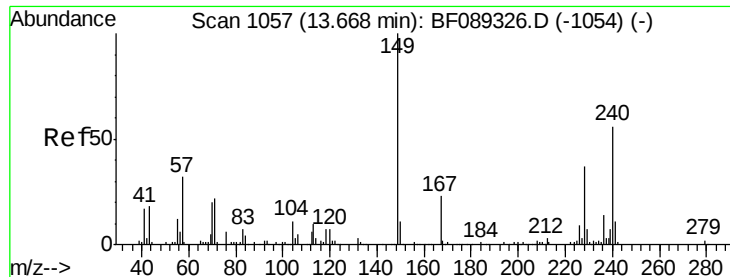


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.59 min Scan# 1050

Delta R.T. -0.08 min

Lab File: BF089563.D

Acq: 2 Aug 2016 23:10

Instrument :

BNA_F

ClientSampleId :

SB-67-5.5-6.5

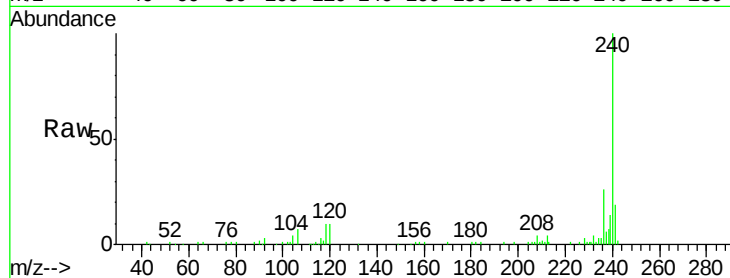
Tgt Ion:240 Resp: 91957

Ion Ratio Lower Upper

240 100

120 10.1 9.1 13.7

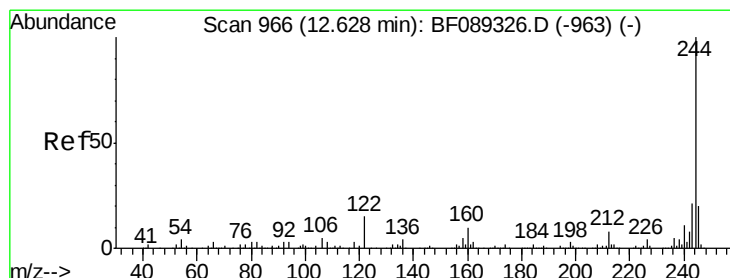
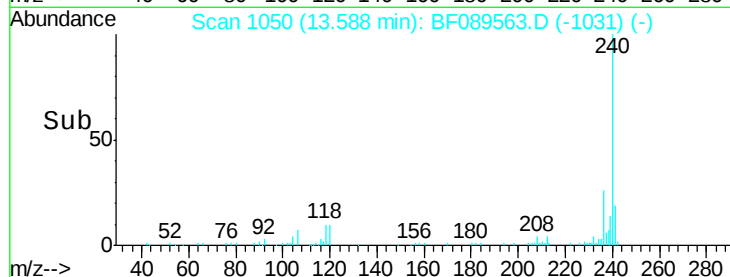
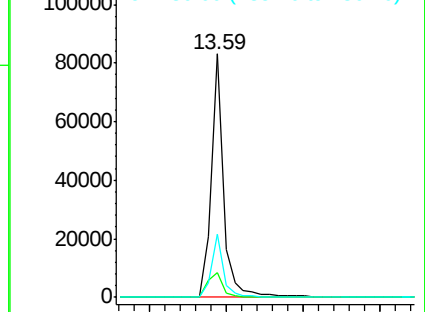
236 26.0 20.6 30.8



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: 75.47 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.08 min

Lab File: BF089563.D

Acq: 2 Aug 2016 23:10

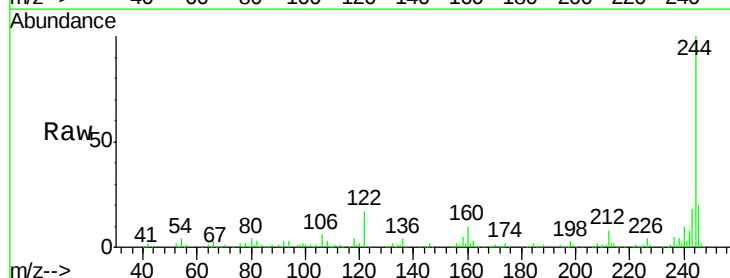
Tgt Ion:244 Resp: 296512

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

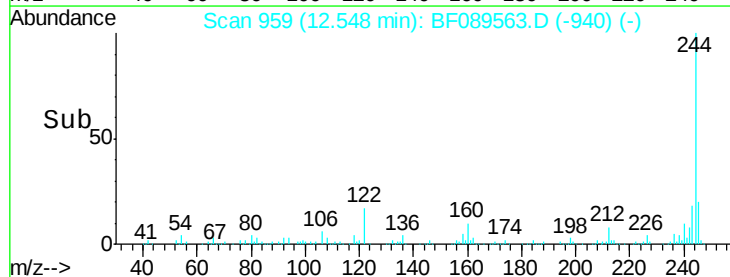
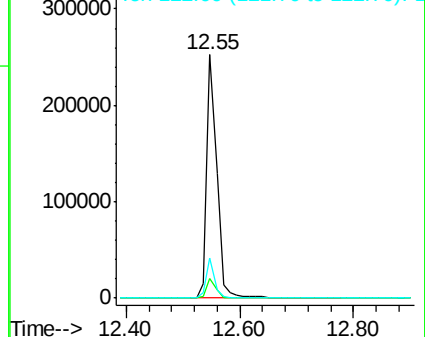
122 16.7 11.4 17.0

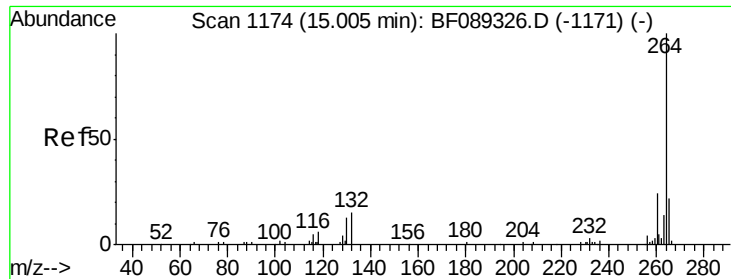


Abundance Ion 244.00 (243.70 to 244.70): E

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: 14.91 min Scan# 1166
Delta R.T. -0.09 min
Lab File: BF089563.D
Acq: 2 Aug 2016 23:10

Instrument :
BNA_F
ClientSampleId :
SB-67-5.5-6.5

Tgt Ion: 264 Resp: 91625
Ion Ratio Lower Upper
264 100
260 23.1 19.0 28.4
265 20.5 17.5 26.3

