

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
 Data File : BF089419.D
 Acq On : 29 Jul 2016 20:05
 Operator : UM/SJ
 Sample : H4221-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-43-5.5-6.5

Quant Time: Jul 29 23:32:43 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

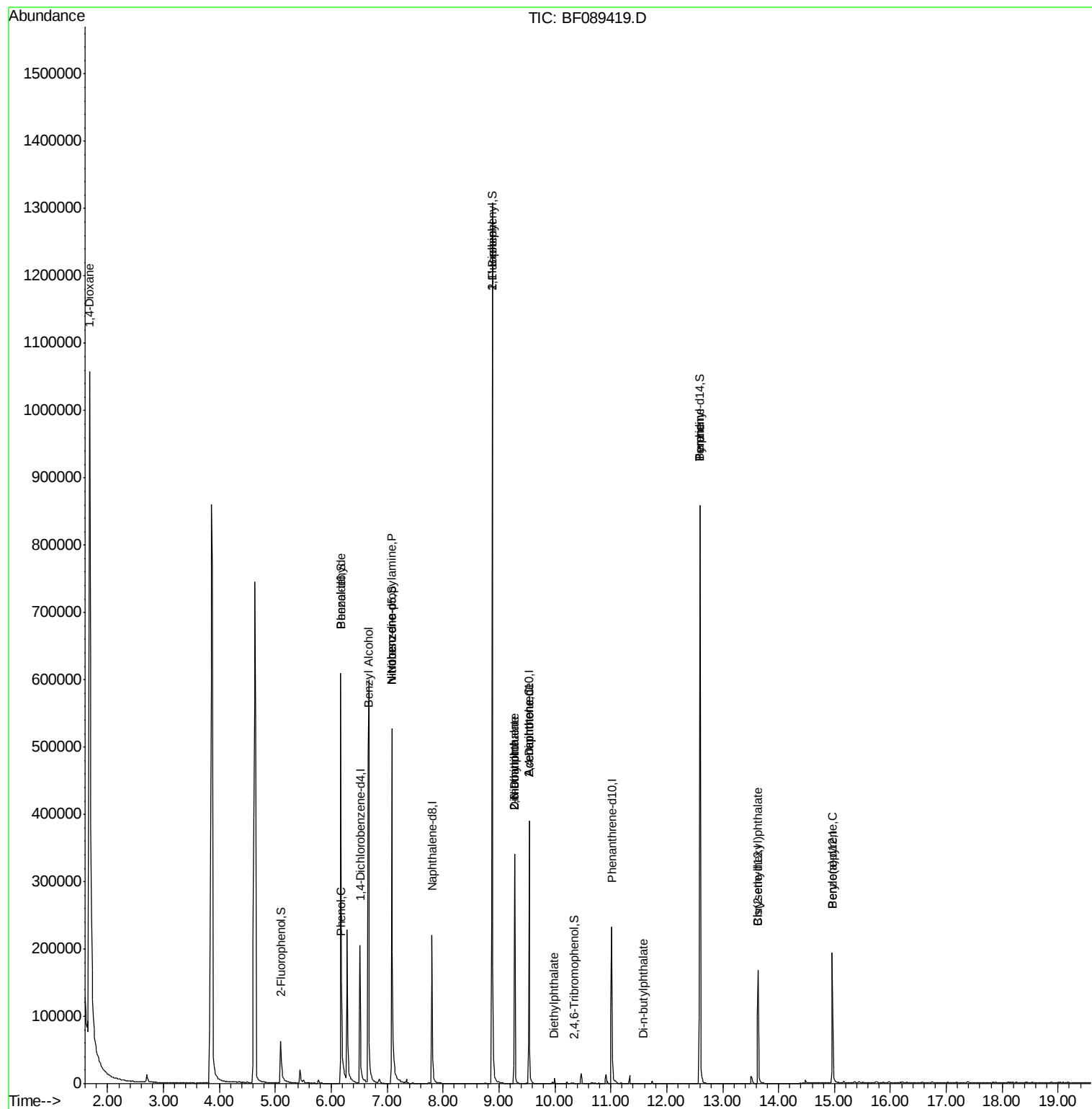
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	41978	20.00	ng	-0.03
21) Naphthalene-d8	7.80	136	165102	20.00	ng	-0.02
38) Acenaphthene-d10	9.54	164	77062	20.00	ng	-0.03
63) Phenanthrene-d10	11.02	188	119938	20.00	ng	-0.03
75) Chrysene-d12	13.63	240	83733	20.00	ng	-0.03
86) Perylene-d12	14.96	264	89386	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	38410	14.61	ng	-0.01
7) Phenol-d6	6.17	99	266276	76.64	ng	-0.03
23) Nitrobenzene-d5	7.08	82	240986	86.16	ng	-0.03
41) 2,4,6-Tribromophenol	10.34	330	237	0.37	ng	-0.02
44) 2-Fluorobiphenyl	8.88	172	428640	81.63	ng	-0.03
78) Terphenyl-d14	12.59	244	261527	73.10	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	1.68	88	60168	51.52	ng	# 26
9) Benzaldehyde	6.17	77	259	0.15	ng	# 1
10) Phenol	6.18	94	505	0.13	ng	# 1
15) Benzyl Alcohol	6.66	79	3722	1.73	ng	# 52
19) n-Nitroso-di-n-propylamine	7.08	70	31716	15.14	ng	# 81
24) Nitrobenzene	7.08	77	433	0.14	ng	# 38
45) 1,1'-Biphenyl	8.88	154	559	0.09	ng	# 1
47) 2-Nitroaniline	9.28	65	1124	0.77	ng	# 1
49) Dimethylphthalate	9.28	163	137265	23.40	ng	100
50) 2,6-Dinitrotoluene	9.28	165	1164	0.97	ng	# 1
51) Acenaphthene	9.54	154	252	0.06	ng	# 4
56) 2,4-Dinitrotoluene	9.54	165	9477	5.97	ng	# 7
59) Diethylphthalate	9.98	149	320	0.05	ng	# 62
73) Di-n-butylphthalate	11.59	149	749	0.10	ng	# 78
76) Benzidine	12.59	184	4119	1.33	ng	98
77) Pyrene	12.59	202	835	0.13	ng	# 46
83) Bis(2-ethylhexyl)phthalate	13.63	149	270	0.06	ng	# 55
89) Benzo(a)pyrene	14.96	252	228	0.05	ng	# 58

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.51 min Scan# 431

Delta R.T. -0.03 min

Lab File: BF089419.D

Acq: 29 Jul 2016 20:05

Instrument :

BNA_F

ClientSampleId :

SB-43-5.5-6.5

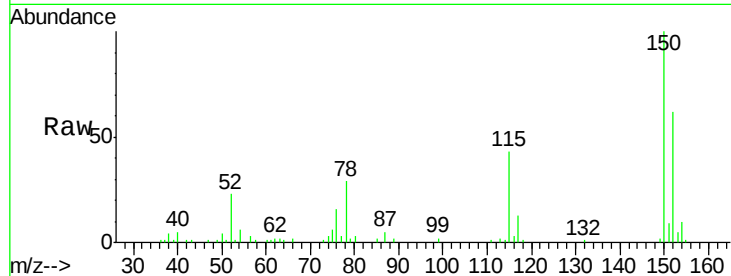
Tgt Ion:152 Resp: 41978

Ion Ratio Lower Upper

152 100

150 161.3 129.5 194.3

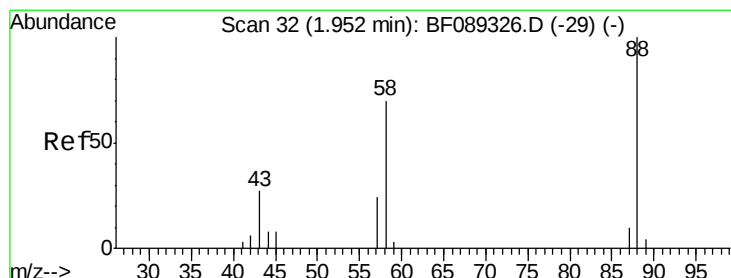
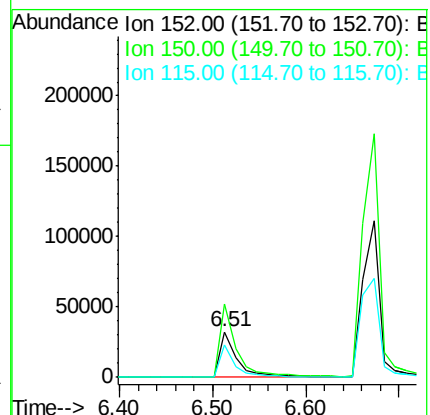
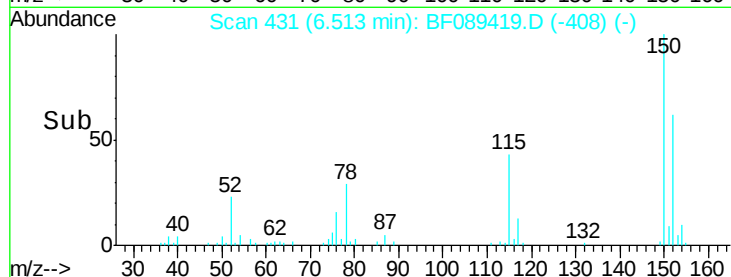
115 69.4 51.4 77.2



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: 51.52 ng

RT: 1.68 min Scan# 8

Delta R.T. -0.27 min

Lab File: BF089419.D

Acq: 29 Jul 2016 20:05

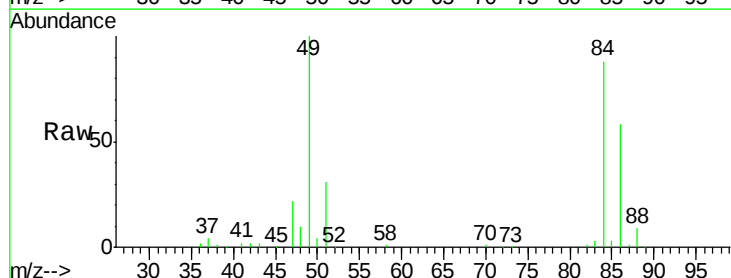
Tgt Ion: 88 Resp: 60168

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

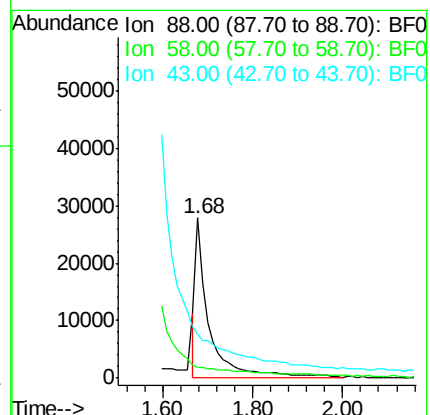
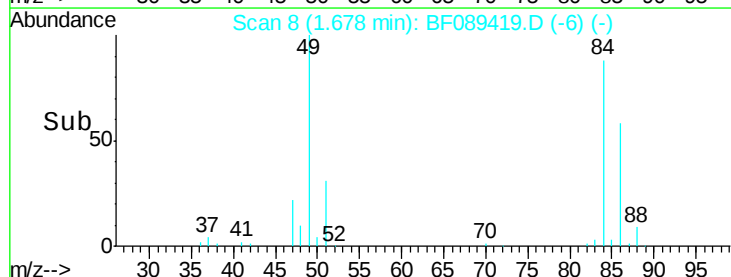
43 0.0 20.6 31.0#

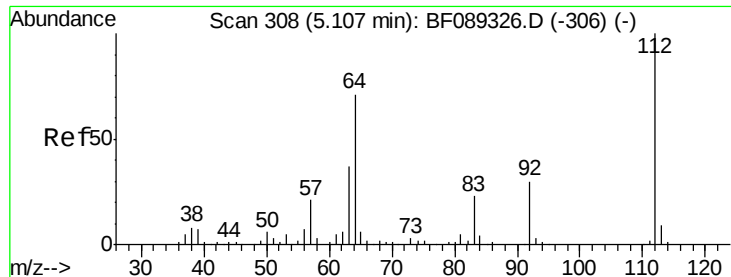


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 14.61 ng

RT: 5.10 min Scan# 307

Delta R.T. -0.01 min

Lab File: BF089419.D

Acq: 29 Jul 2016 20:05

Instrument :

BNA_F

ClientSampleId :

SB-43-5.5-6.5

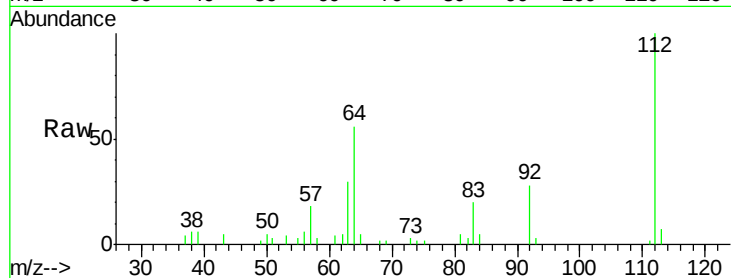
Tgt Ion: 112 Resp: 38410

Ion Ratio Lower Upper

112 100

64 56.2 55.0 82.6

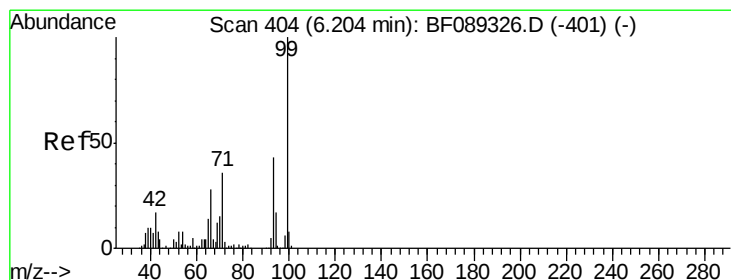
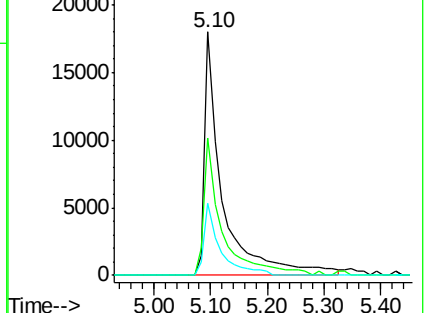
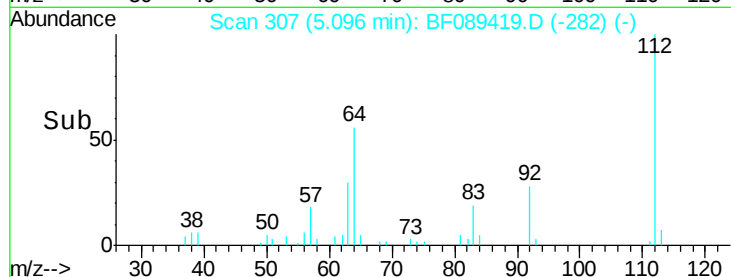
63 29.9 29.4 44.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 76.64 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.03 min

Lab File: BF089419.D

Acq: 29 Jul 2016 20:05

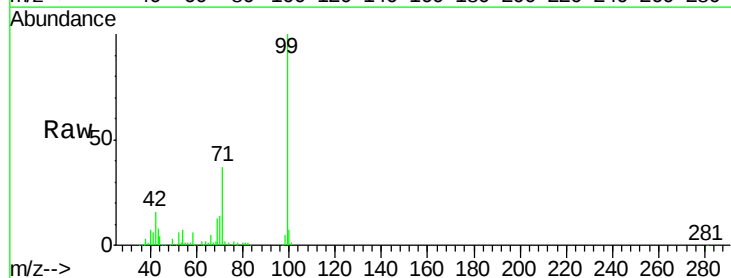
Tgt Ion: 99 Resp: 266276

Ion Ratio Lower Upper

99 100

42 16.5 13.6 20.4

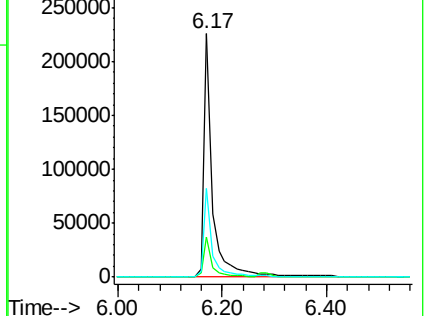
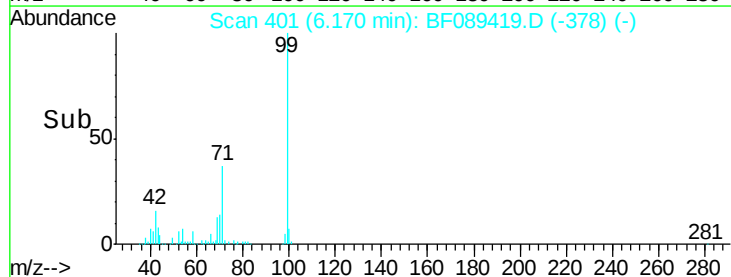
71 36.7 29.4 44.2

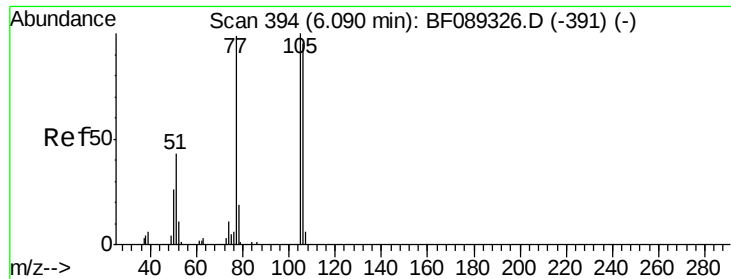


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 0.15 ng

RT: 6.17 min Scan# 401

Delta R.T. 0.08 min

Lab File: BF089419.D

Acq: 29 Jul 2016 20:05

Instrument :

BNA_F

ClientSampleId :

SB-43-5.5-6.5

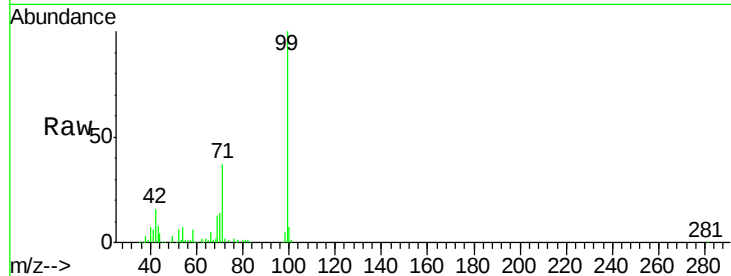
Tgt Ion: 77 Resp: 259

Ion Ratio Lower Upper

77 100

105 0.0 82.9 122.9#

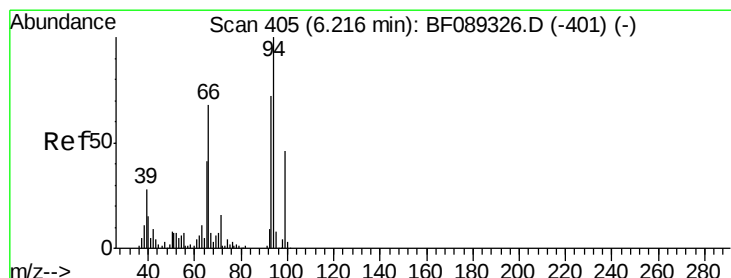
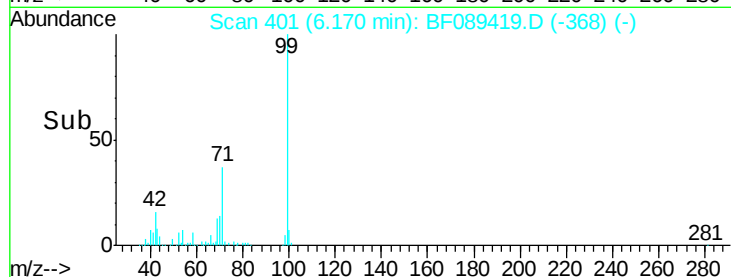
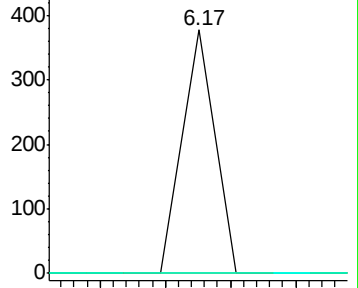
106 0.0 75.9 115.9#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 0.13 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.03 min

Lab File: BF089419.D

Acq: 29 Jul 2016 20:05

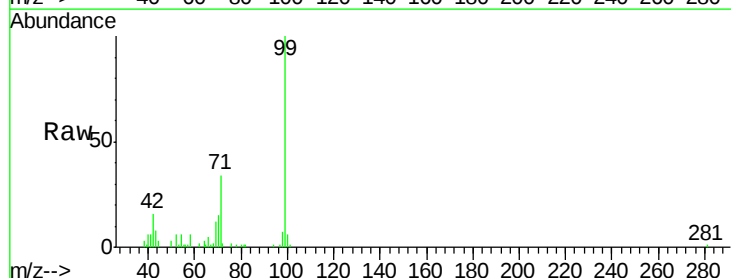
Tgt Ion: 94 Resp: 505

Ion Ratio Lower Upper

94 100

65 152.6 19.1 59.1#

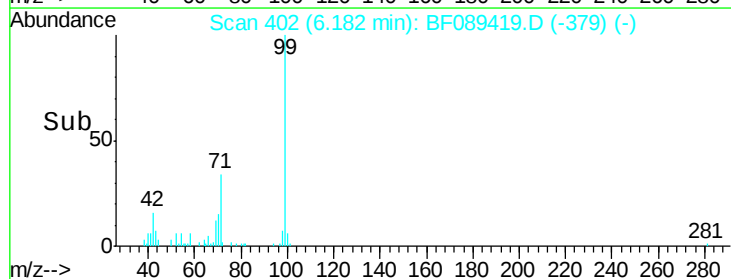
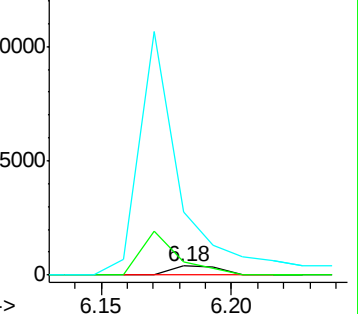
66 725.4 44.4 84.4#

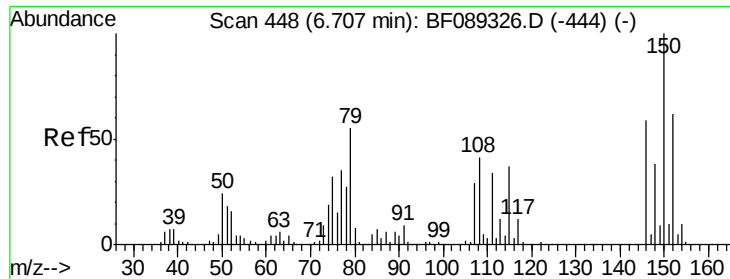


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 1.73 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.05 min

Lab File: BF089419.D

Acq: 29 Jul 2016 20:05

Instrument :

BNA_F

ClientSampleId :

SB-43-5.5-6.5

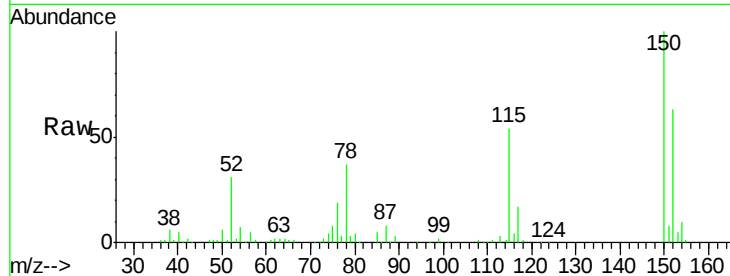
Tgt Ion: 79 Resp: 3722

Ion Ratio Lower Upper

79 100

108 24.6 59.8 89.6#

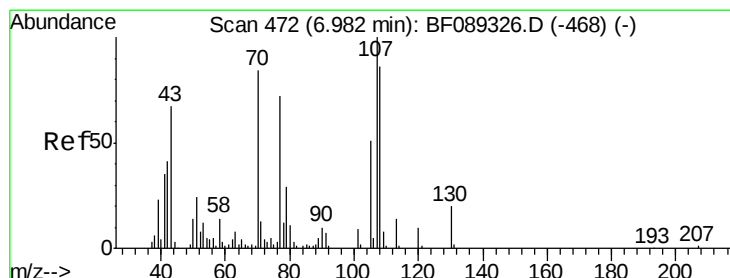
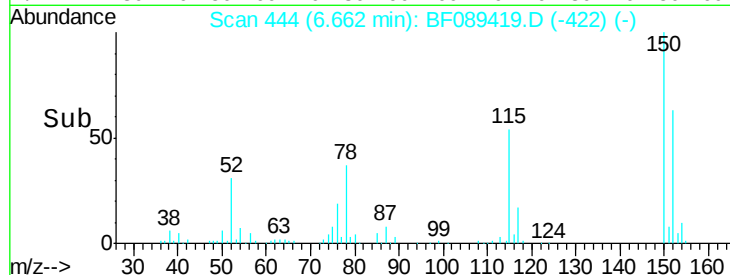
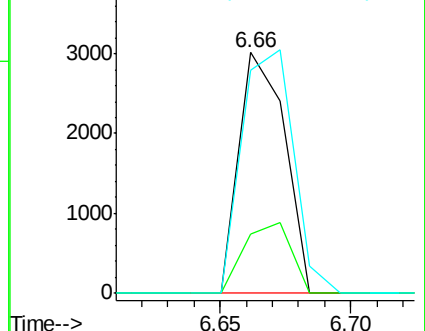
77 92.7 51.7 77.5#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 15.14 ng

RT: 7.08 min Scan# 481

Delta R.T. 0.10 min

Lab File: BF089419.D

Acq: 29 Jul 2016 20:05

Tgt Ion: 70 Resp: 31716

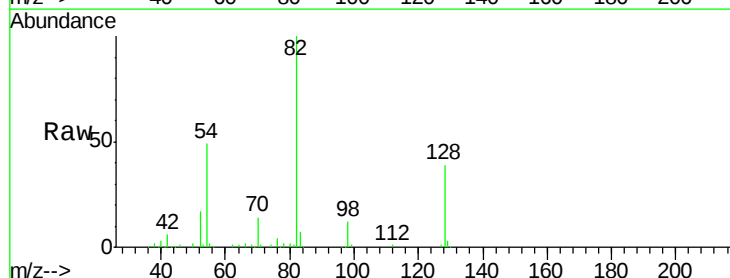
Ion Ratio Lower Upper

70 100

42 44.8 38.6 57.8

101 0.0 8.3 12.5#

130 1.9 19.0 28.4#

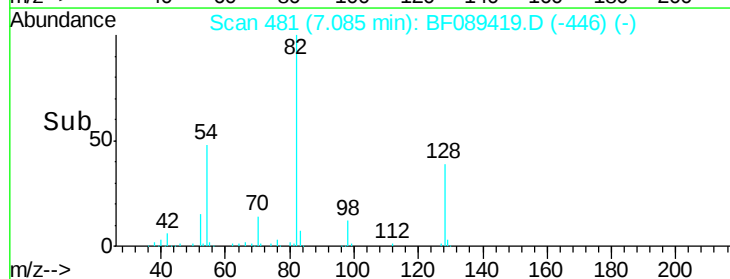
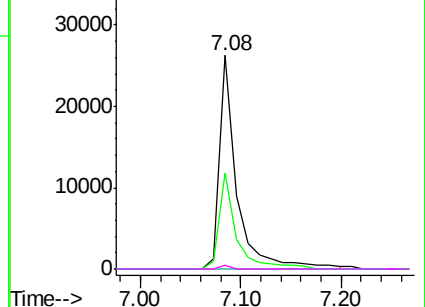


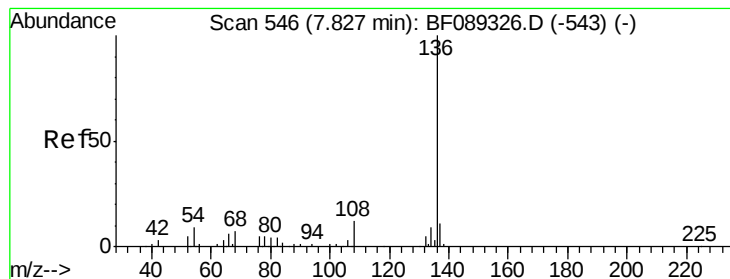
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.80 min Scan# 544

Delta R.T. -0.02 min

Lab File: BF089419.D

Acq: 29 Jul 2016 20:05

Instrument :

BNA_F

ClientSampleId :

SB-43-5.5-6.5

Tgt Ion: 136 Resp: 165102

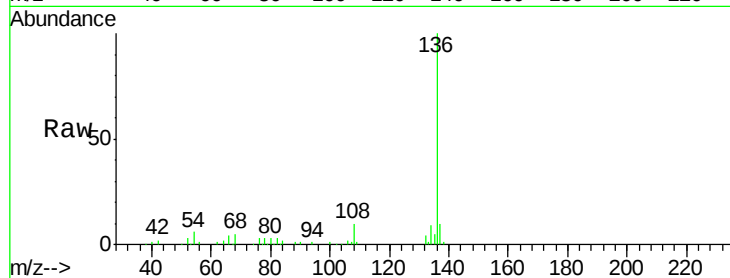
Ion Ratio Lower Upper

136 100

137 10.4 8.6 13.0

54 5.7 7.0 10.4#

68 4.6 4.9 7.3#

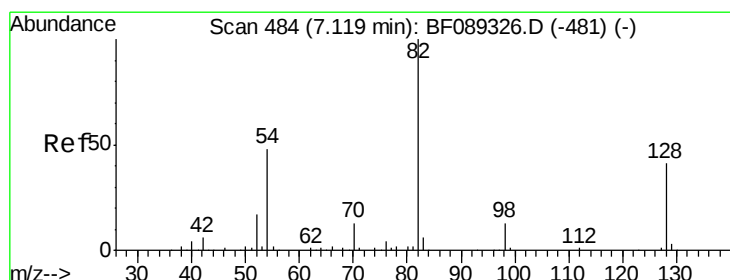
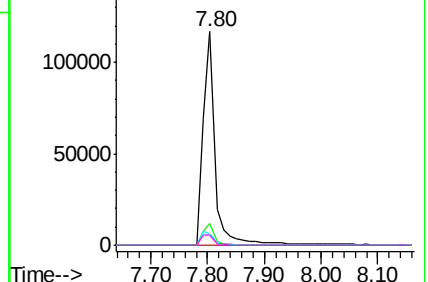
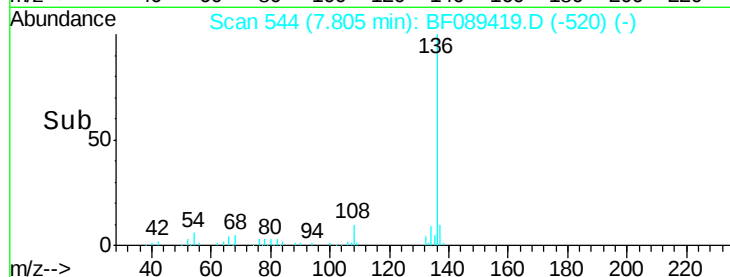


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.16 ng

RT: 7.08 min Scan# 481

Delta R.T. -0.03 min

Lab File: BF089419.D

Acq: 29 Jul 2016 20:05

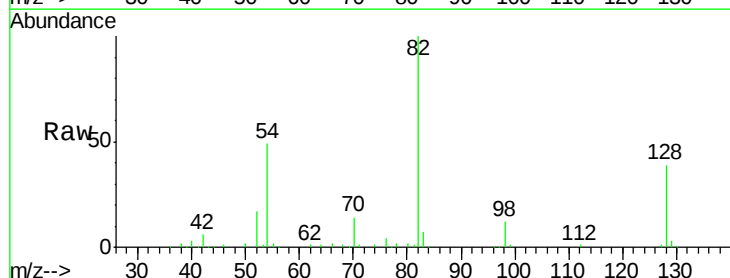
Tgt Ion: 82 Resp: 240986

Ion Ratio Lower Upper

82 100

128 39.4 32.5 48.7

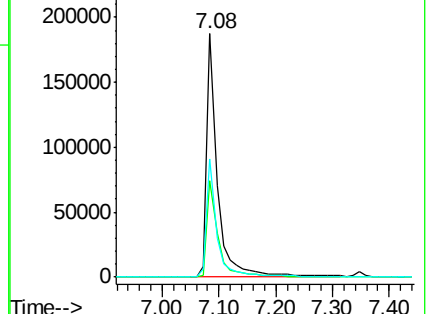
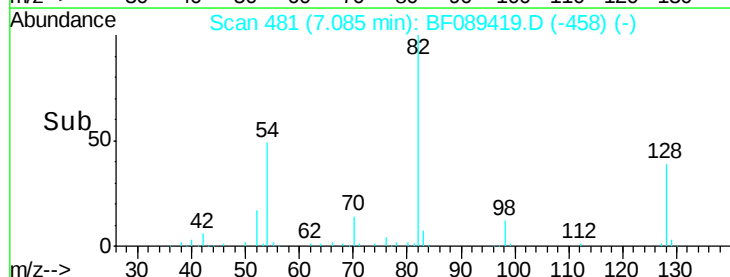
54 48.6 38.8 58.2

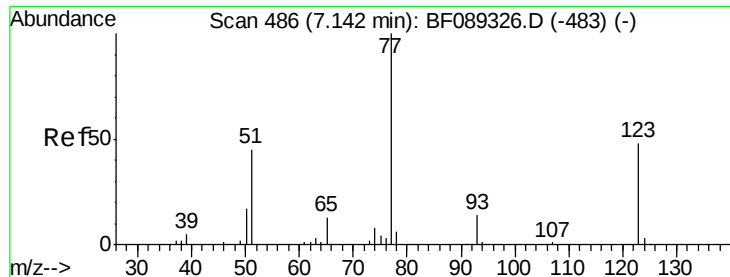


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

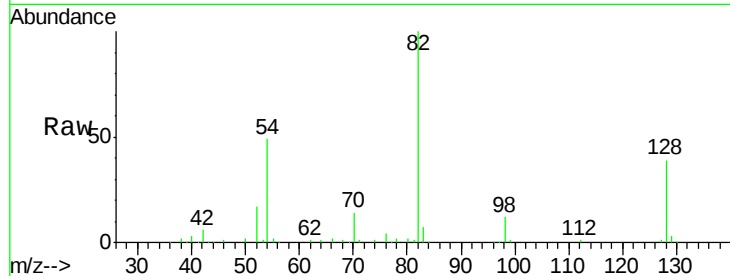




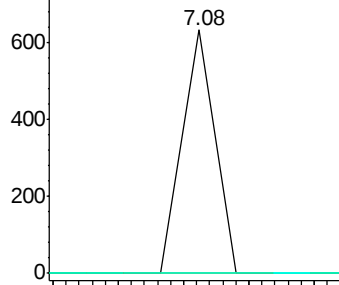
#24
 Nitrobenzene
 Concen: 0.14 ng
 RT: 7.08 min Scan# 481
 Delta R.T. -0.06 min
 Lab File: BF089419.D
 Acq: 29 Jul 2016 20:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-43-5.5-6.5

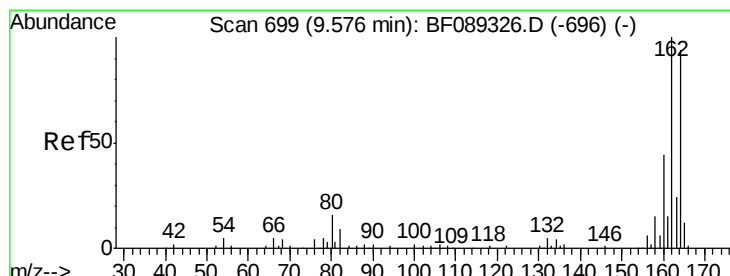
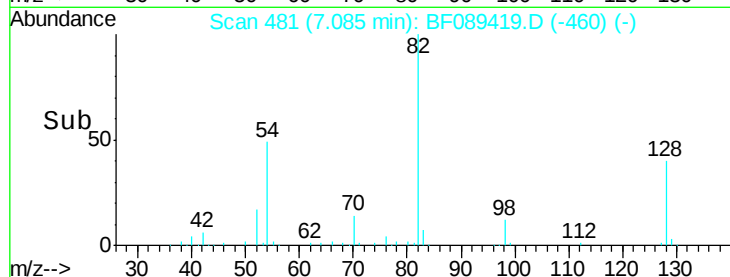
Tgt Ion: 77 Resp: 433
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.2 55.8#
 65 0.0 10.2 15.4#



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0

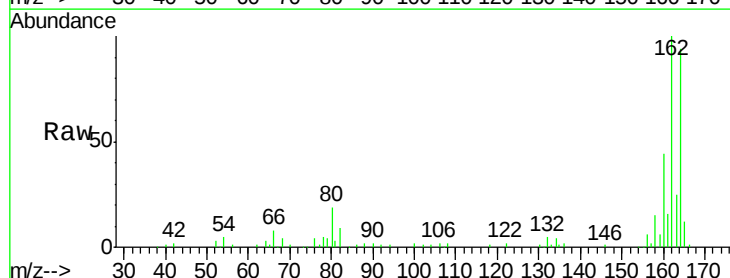


Time--> 7.04 7.06 7.08 7.10 7.12

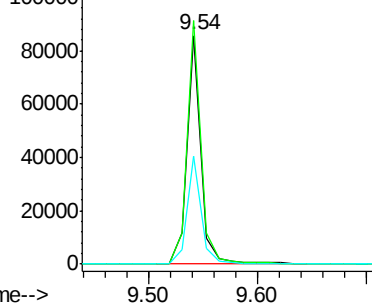


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.54 min Scan# 696
 Delta R.T. -0.03 min
 Lab File: BF089419.D
 Acq: 29 Jul 2016 20:05

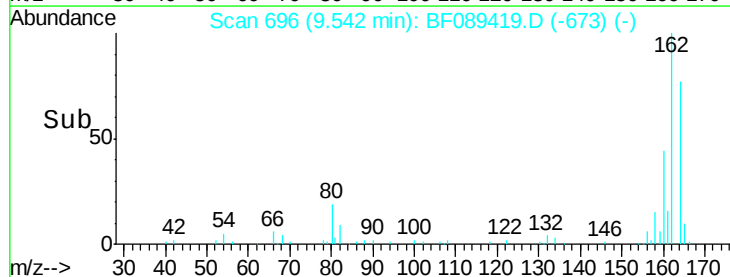
Tgt Ion: 164 Resp: 77062
 Ion Ratio Lower Upper
 164 100
 162 106.7 83.7 125.5
 160 47.2 37.8 56.6

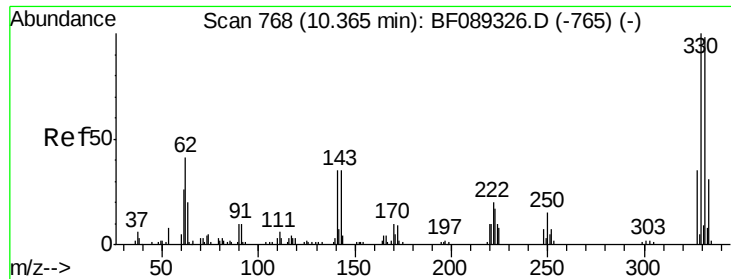


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E



Time--> 9.50 9.60

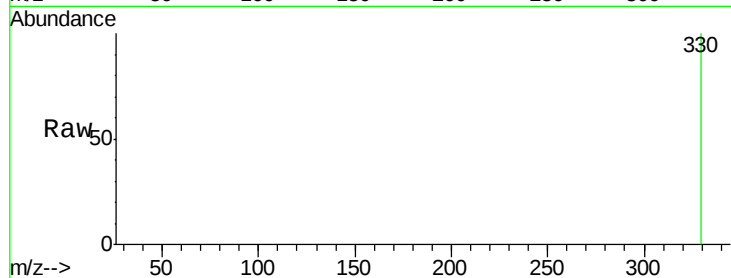




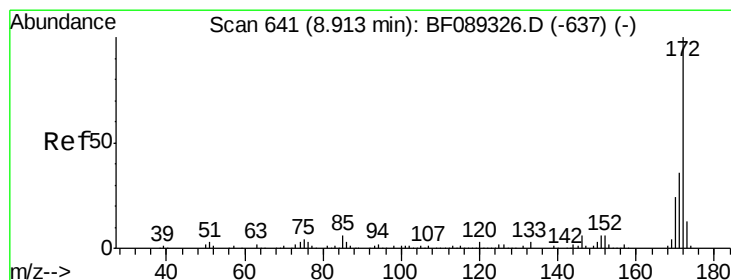
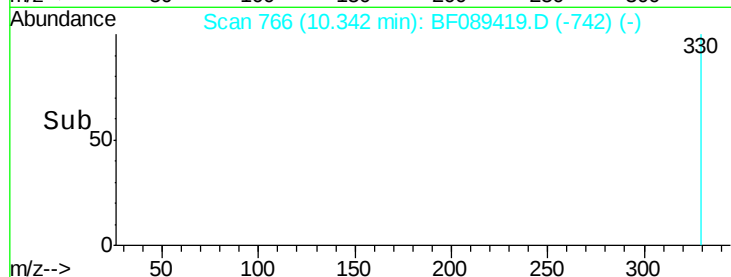
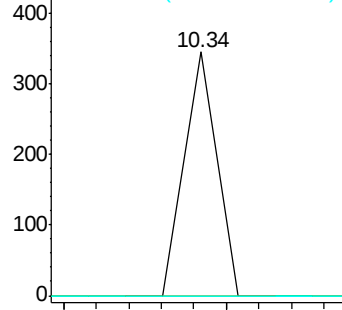
#41
 2,4,6-Tribromophenol
 Concen: 0.37 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089419.D
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Instrument :
 BNA_F
 ClientSampleId :
 SB-43-5.5-6.5

Tgt Ion:330 Resp: 237
 Ion Ratio Lower Upper
 330 100
 332 0.0 76.8 115.2#
 141 0.0 37.3 55.9#

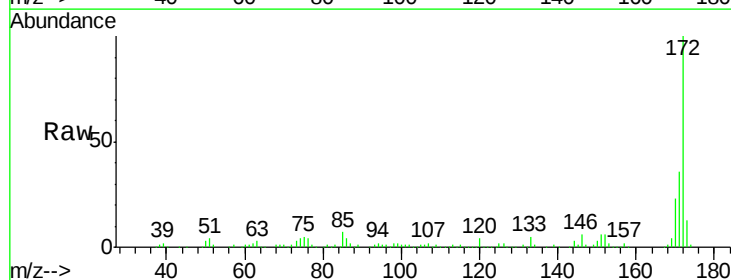


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

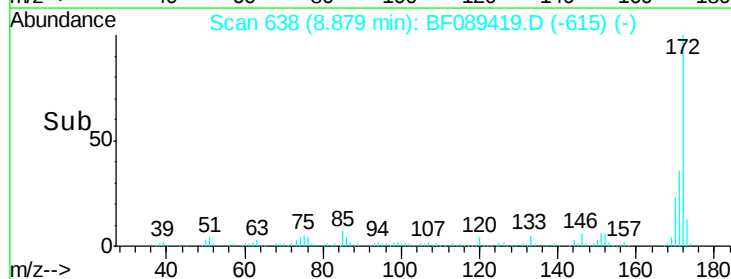
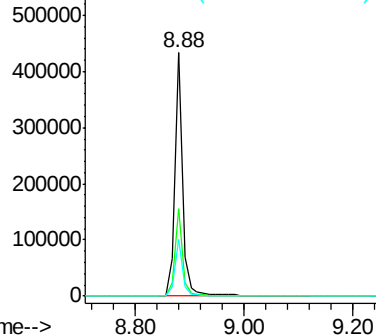


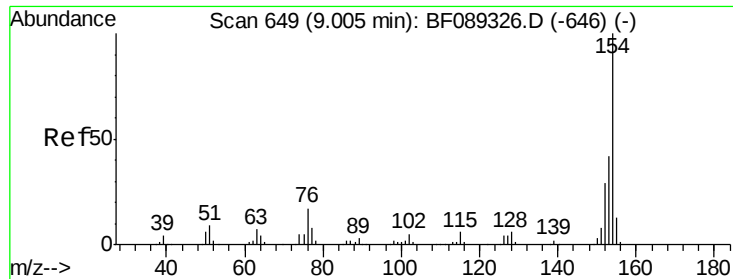
#44
 2-Fluorobiphenyl
 Concen: 81.63 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.03 min
 Lab File: BF089419.D
 Acq: 29 Jul 2016 20:05

Tgt Ion:172 Resp: 428640
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.2 43.8
 170 23.4 19.2 28.8



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

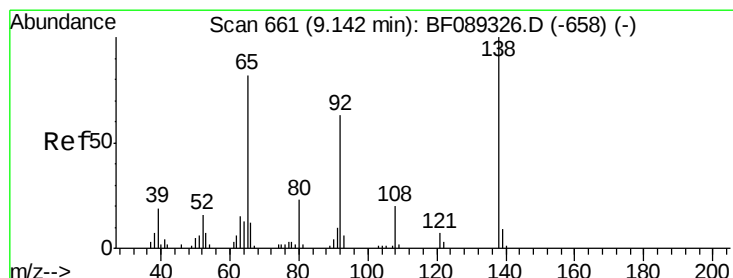
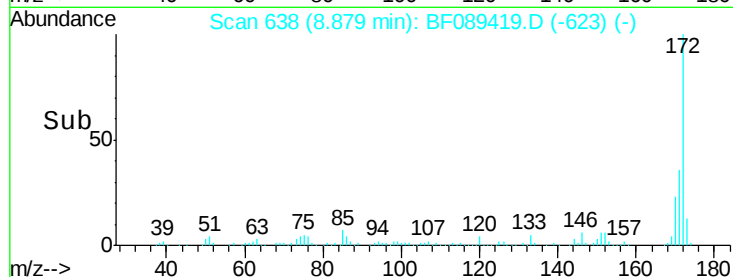
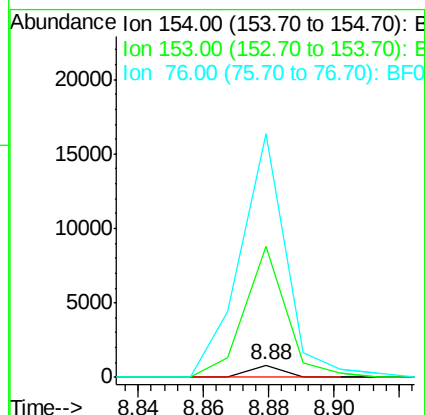
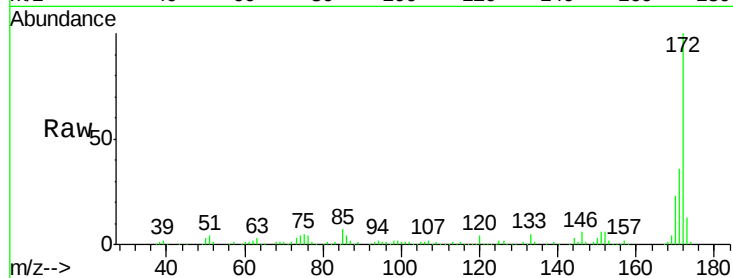




#45
 1,1'-Biphenyl
 Concen: 0.09 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.13 min
 Lab File: BF089419.D
 Acq: 29 Jul 2016 20:05

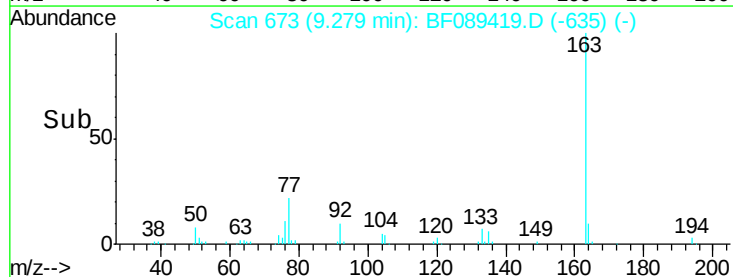
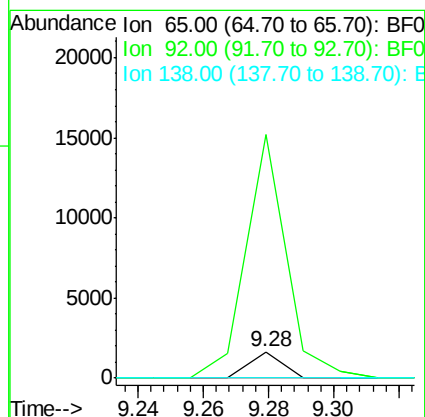
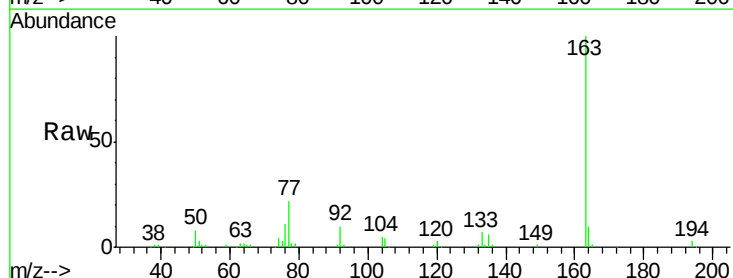
Instrument :
 BNA_F
 ClientSampleId :
 SB-43-5.5-6.5

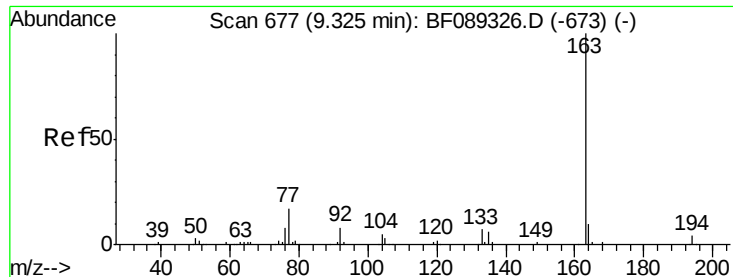
Tgt Ion:154 Resp: 559
 Ion Ratio Lower Upper
 154 100
 153 1074.7 21.0 61.0#
 76 2005.8 0.0 36.6#



#47
 2-Nitroaniline
 Concen: 0.77 ng
 RT: 9.28 min Scan# 673
 Delta R.T. 0.14 min
 Lab File: BF089419.D
 Acq: 29 Jul 2016 20:05

Tgt Ion: 65 Resp: 1124
 Ion Ratio Lower Upper
 65 100
 92 927.1 61.0 91.4#
 138 0.0 99.1 148.7#

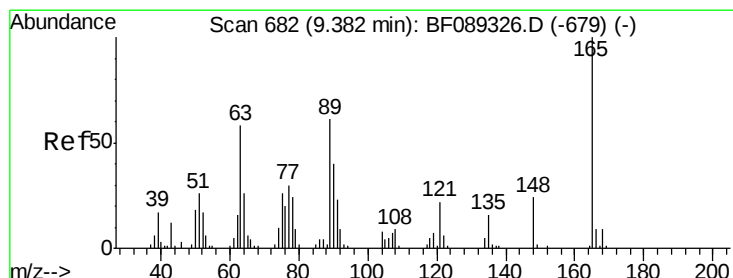
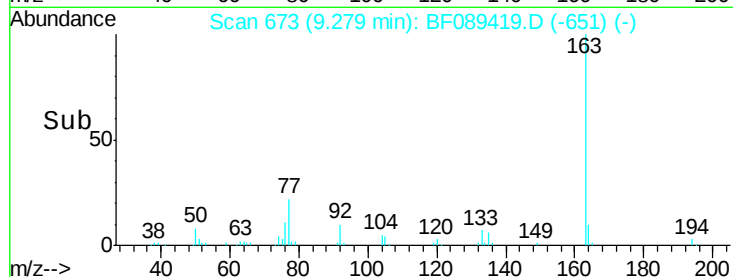
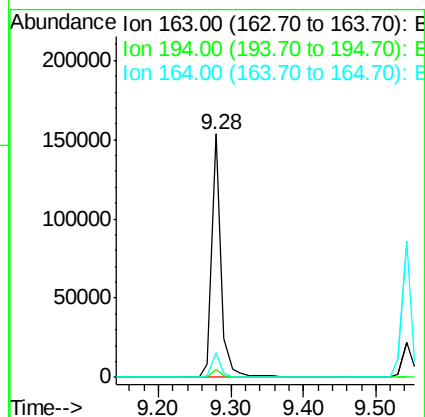
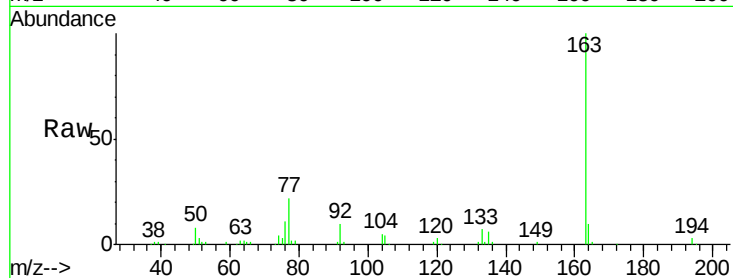




#49
Dimethylphthalate
Concen: 23.40 ng
RT: 9.28 min Scan# 673
Delta R.T. -0.05 min
Lab File: BF089419.D
Acq: 29 Jul 2016 20:05

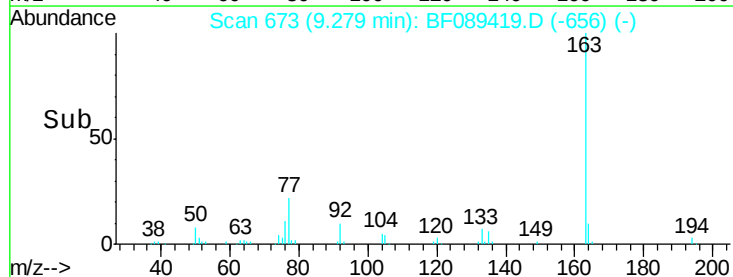
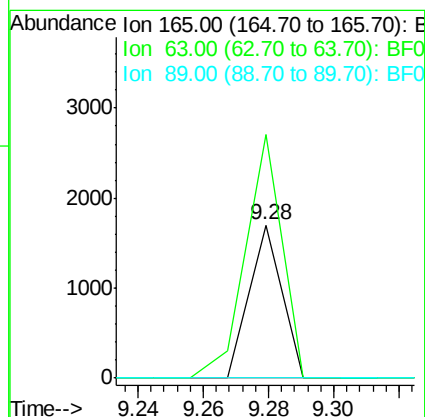
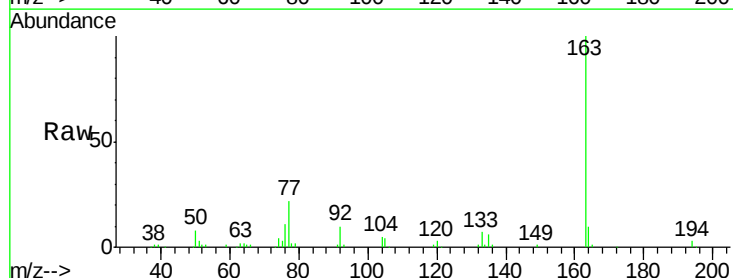
Instrument :
BNA_F
ClientSampleId :
SB-43-5.5-6.5

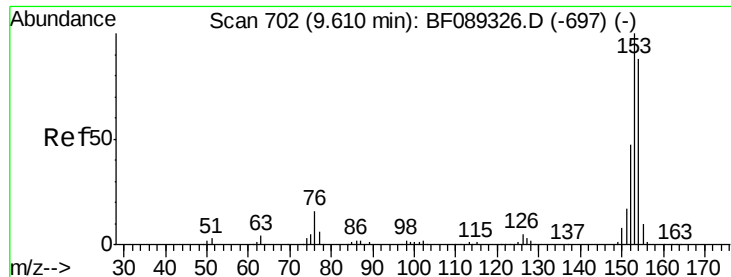
Tgt Ion:163 Resp: 137265
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 9.9 7.8 11.8



#50
2,6-Dinitrotoluene
Concen: 0.97 ng
RT: 9.28 min Scan# 673
Delta R.T. -0.10 min
Lab File: BF089419.D
Acq: 29 Jul 2016 20:05

Tgt Ion:165 Resp: 1164
Ion Ratio Lower Upper
165 100
63 159.3 43.5 65.3#
89 0.0 45.0 67.4#





#51

Acenaphthene

Concen: 0.06 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.07 min

Lab File: BF089419.D

Acq: 29 Jul 2016 20:05

Instrument :

BNA_F

ClientSampleId :

SB-43-5.5-6.5

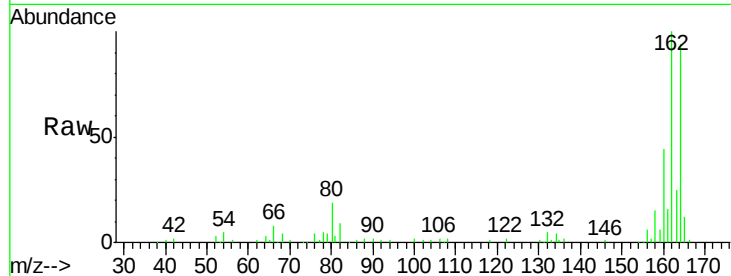
Tgt Ion:154 Resp: 252

Ion Ratio Lower Upper

154 100

153 0.0 91.4 137.2#

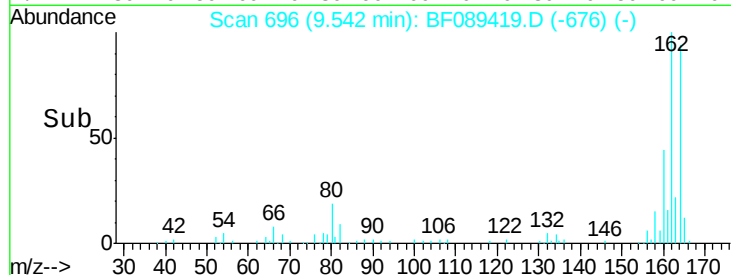
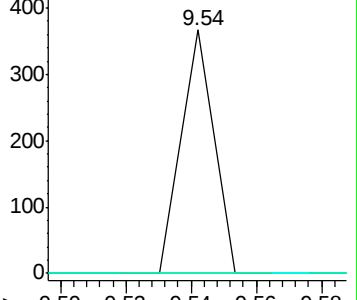
152 0.0 43.8 65.6#



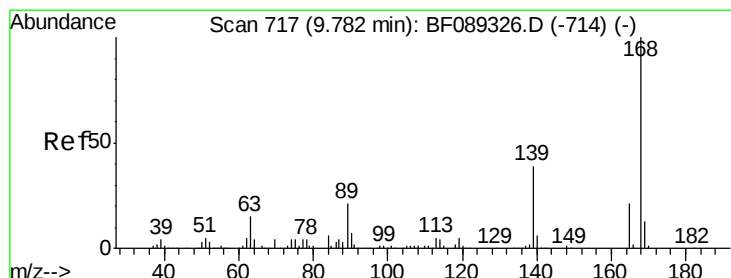
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->



#56

2,4-Dinitrotoluene

Concen: 5.97 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.24 min

Lab File: BF089419.D

Acq: 29 Jul 2016 20:05

Tgt Ion:165 Resp: 9477

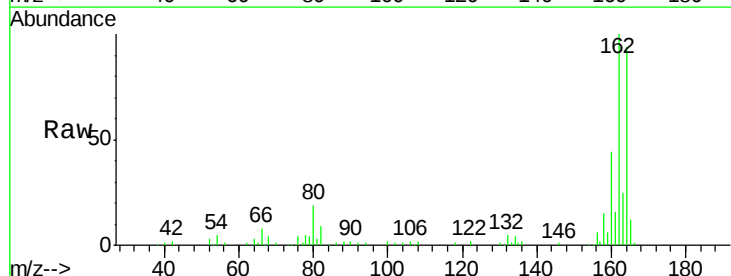
Ion Ratio Lower Upper

165 100

63 0.0 58.2 87.2#

89 0.0 79.1 118.7#

182 0.0 1.8 2.8#

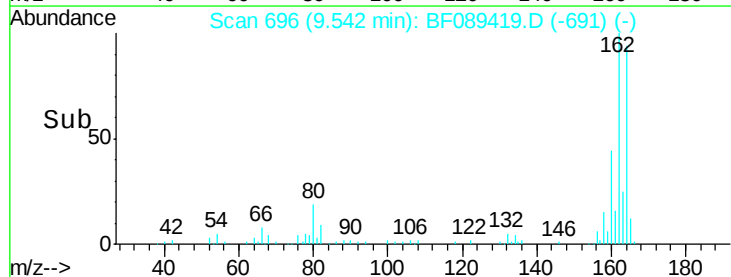
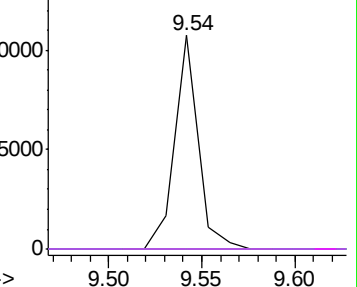


Abundance Ion 165.00 (164.70 to 165.70): E

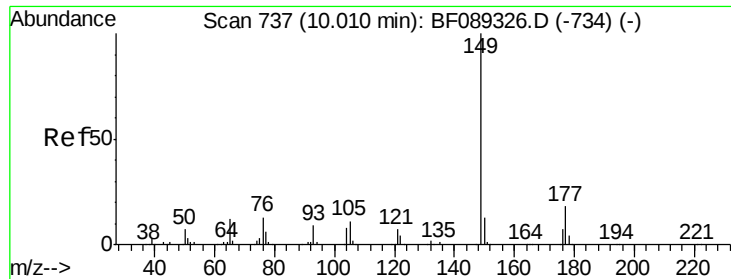
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



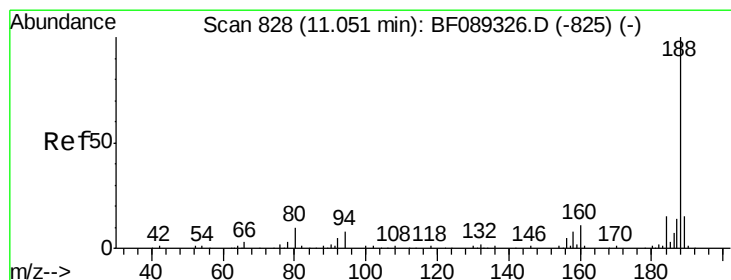
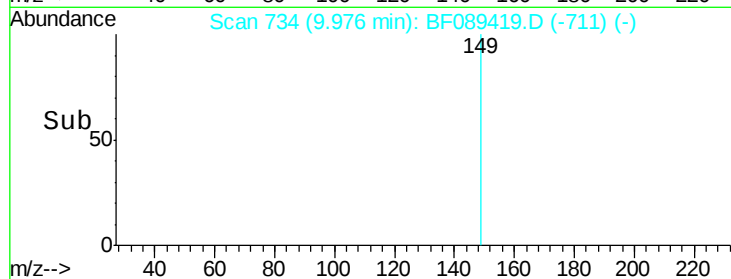
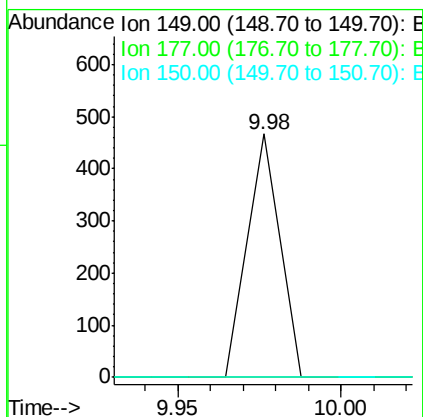
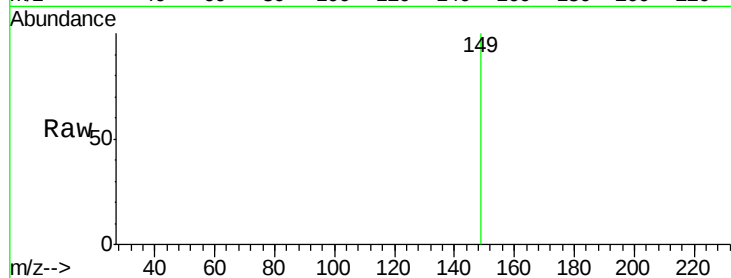
Time-->



#59
Diethylphthalate
Concen: 0.05 ng
RT: 9.98 min Scan# 734
Delta R.T. -0.03 min
Lab File: BF089419.D
Acq: 29 Jul 2016 20:05

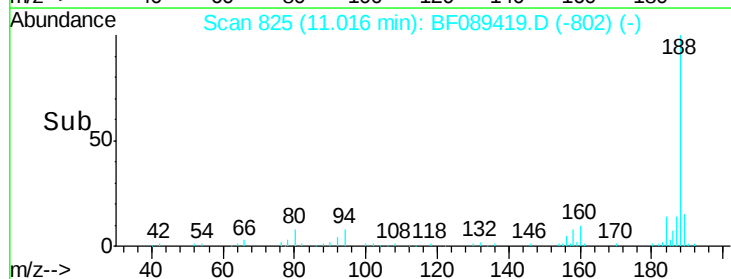
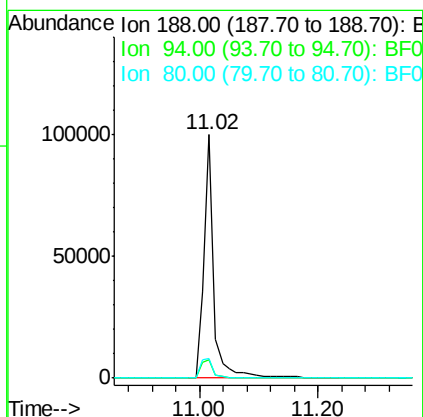
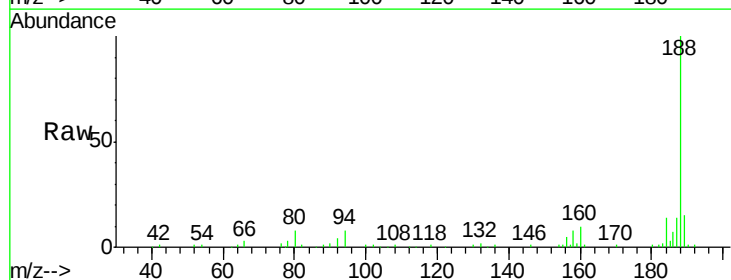
Instrument :
BNA_F
ClientSampleId :
SB-43-5.5-6.5

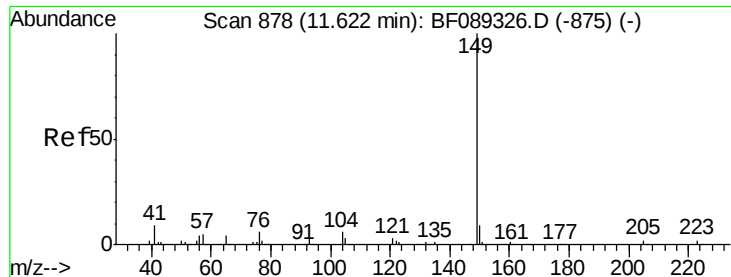
Tgt Ion:149 Resp: 320
Ion Ratio Lower Upper
149 100
177 0.0 15.1 22.7#
150 0.0 10.2 15.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.03 min
Lab File: BF089419.D
Acq: 29 Jul 2016 20:05

Tgt Ion:188 Resp: 119938
Ion Ratio Lower Upper
188 100
94 7.5 6.5 9.7
80 8.3 7.2 10.8

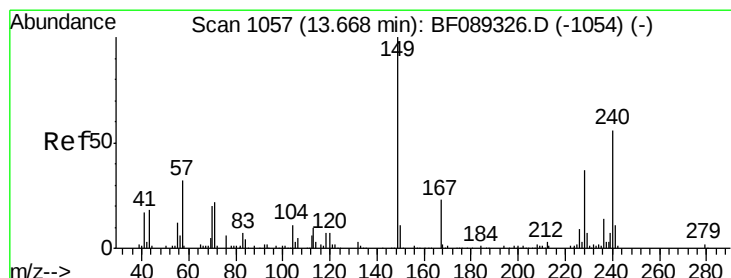
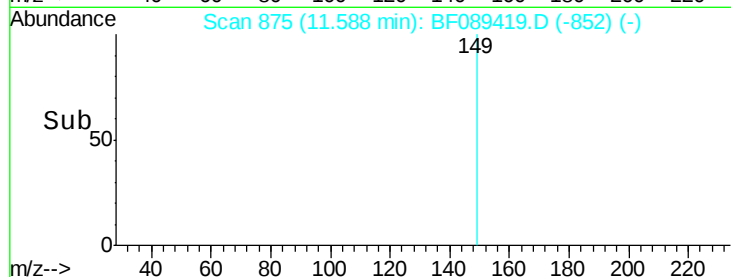
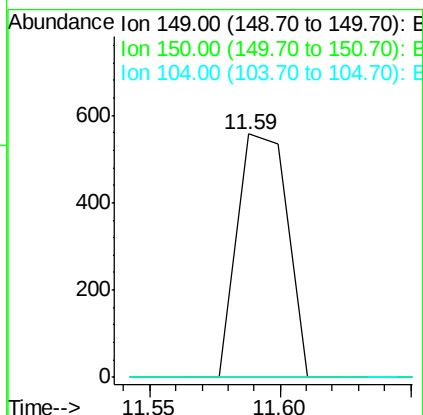
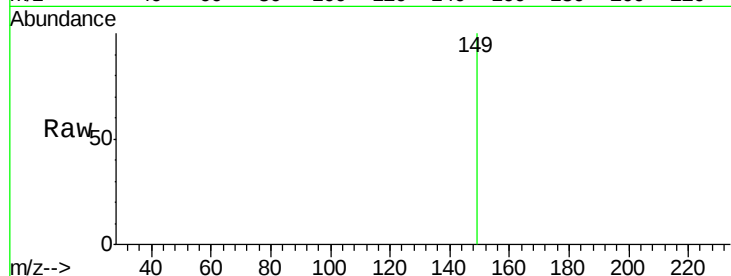




#73
Di-n-butylphthalate
Concen: 0.10 ng
RT: 11.59 min Scan# 875
Delta R.T. -0.03 min
Lab File: BF089419.D
Acq: 29 Jul 2016 20:05

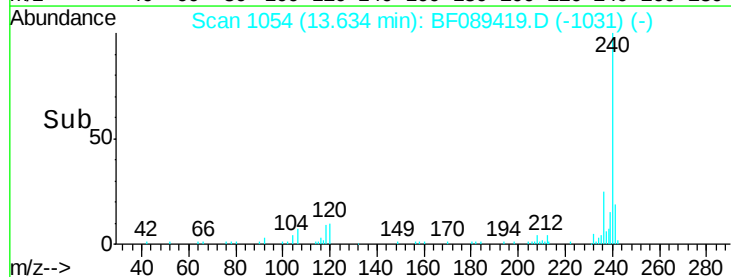
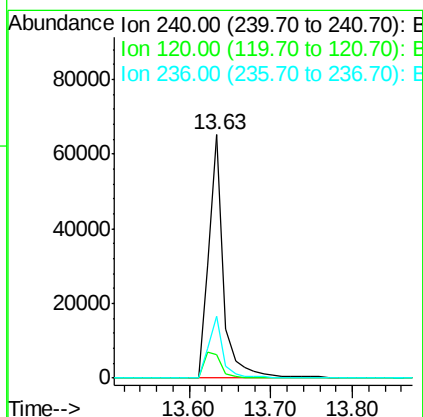
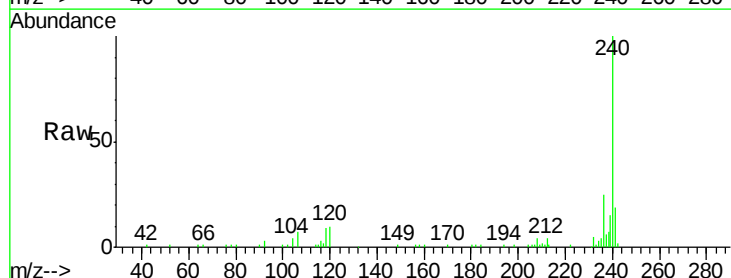
Instrument :
BNA_F
ClientSampleId :
SB-43-5.5-6.5

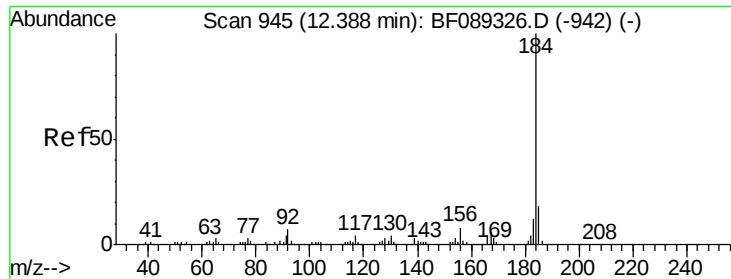
Tgt Ion:149 Resp: 749
Ion Ratio Lower Upper
149 100
150 0.0 7.4 11.0#
104 0.0 4.7 7.1#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.63 min Scan# 1054
Delta R.T. -0.03 min
Lab File: BF089419.D
Acq: 29 Jul 2016 20:05

Tgt Ion:240 Resp: 83733
Ion Ratio Lower Upper
240 100
120 9.5 9.1 13.7
236 25.3 20.6 30.8





#76

Benzidine

Concen: 1.33 ng

RT: 12.59 min Scan# 963

Delta R.T. 0.21 min

Lab File: BF089419.D

Acq: 29 Jul 2016 20:05

Instrument :

BNA_F

ClientSampleId :

SB-43-5.5-6.5

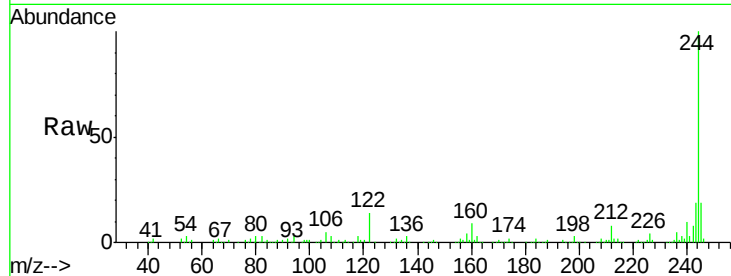
Tgt Ion:184 Resp: 4119

Ion Ratio Lower Upper

184 100

185 15.9 13.5 20.3

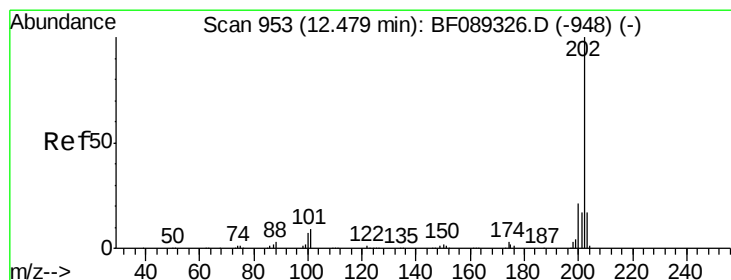
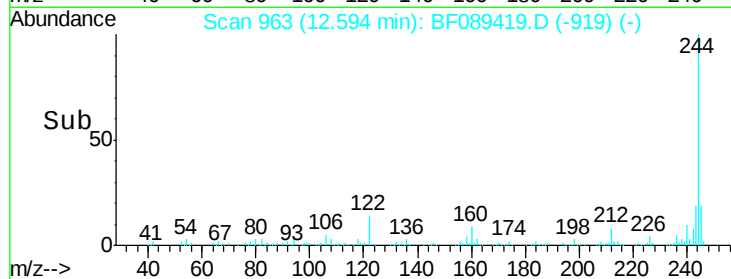
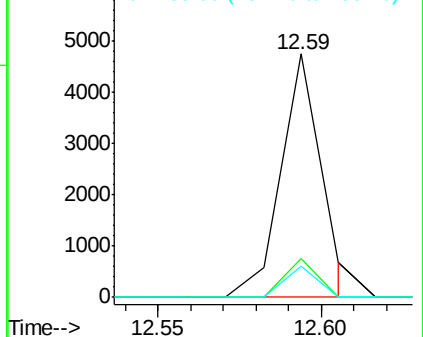
183 12.7 9.8 14.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 0.13 ng

RT: 12.59 min Scan# 963

Delta R.T. 0.13 min

Lab File: BF089419.D

Acq: 29 Jul 2016 20:05

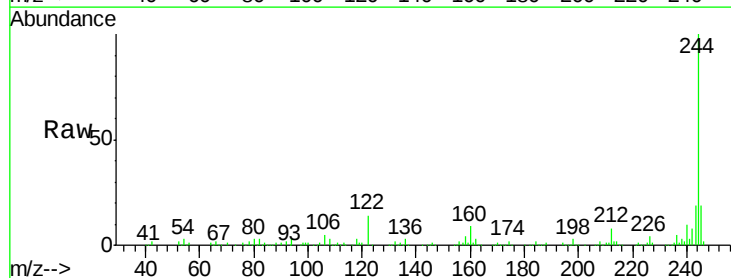
Tgt Ion:202 Resp: 835

Ion Ratio Lower Upper

202 100

200 51.9 16.9 25.3#

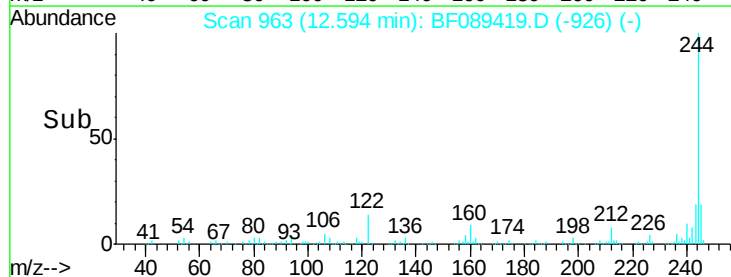
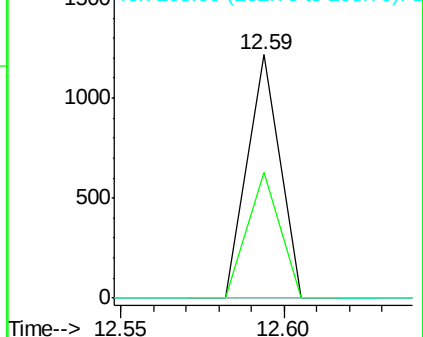
203 0.0 14.0 21.0#

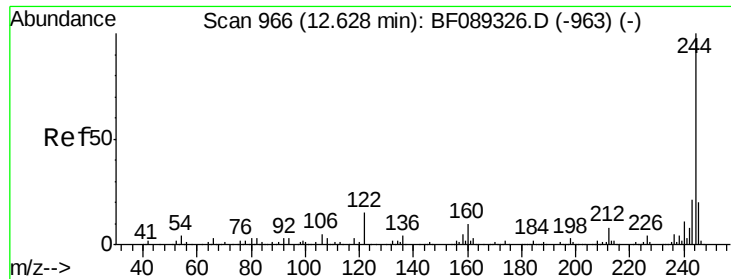


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

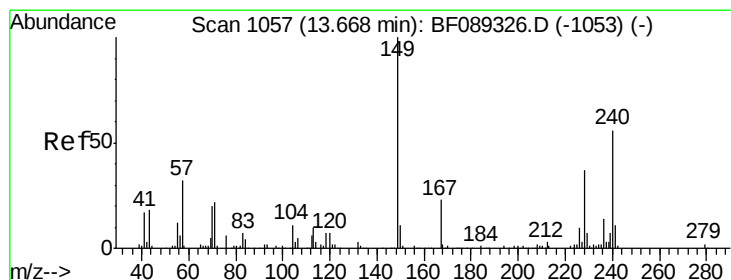
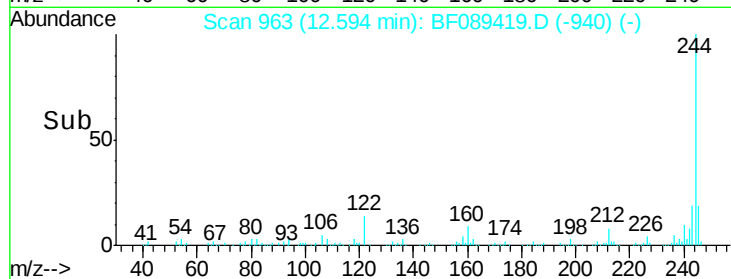
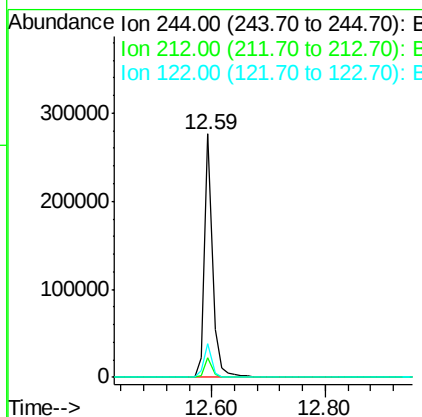
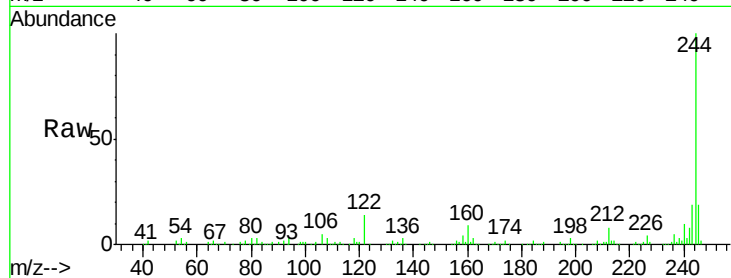




#78
 Terphenyl-d14
 Concen: 73.10 ng
 RT: 12.59 min Scan# 963
 Delta R.T. -0.03 min
 Lab File: BF089419.D
 Acq: 29 Jul 2016 20:05

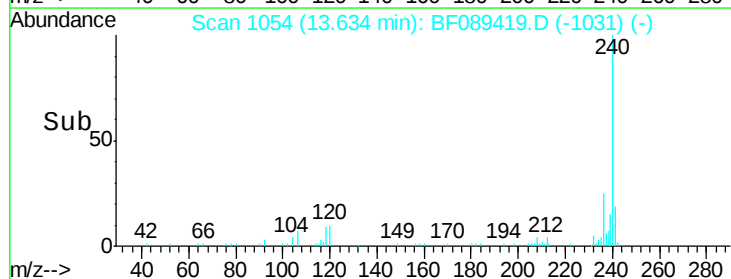
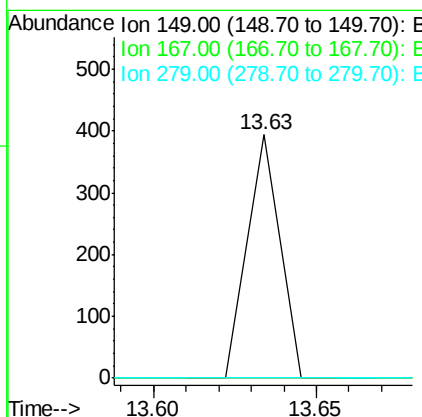
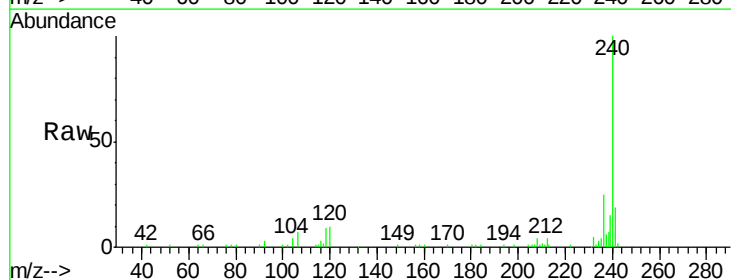
Instrument :
 BNA_F
 ClientSampleId :
 SB-43-5.5-6.5

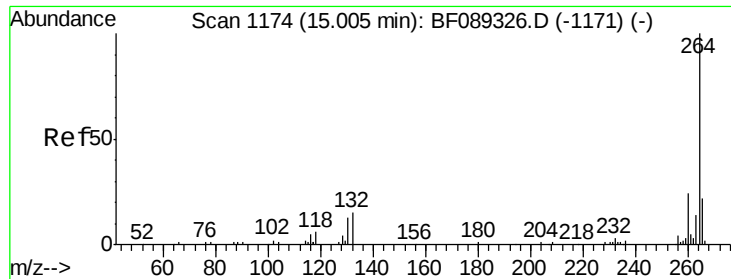
Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.5	9.7
122	13.9	11.4	17.0



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.06 ng
 RT: 13.63 min Scan# 1054
 Delta R.T. -0.03 min
 Lab File: BF089419.D
 Acq: 29 Jul 2016 20:05

Tgt Ion	Ratio	Lower	Upper
149	100		
167	0.0	18.8	28.2#
279	0.0	1.4	2.0#



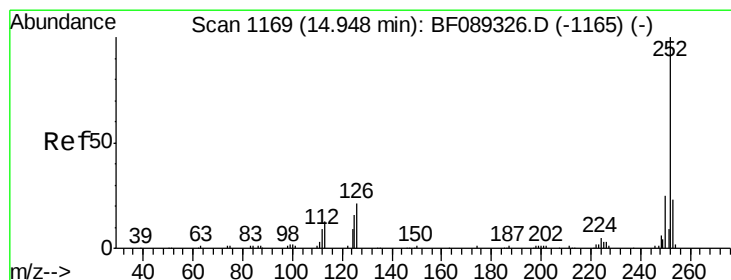
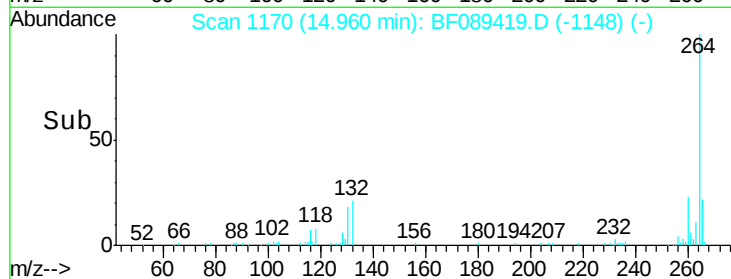
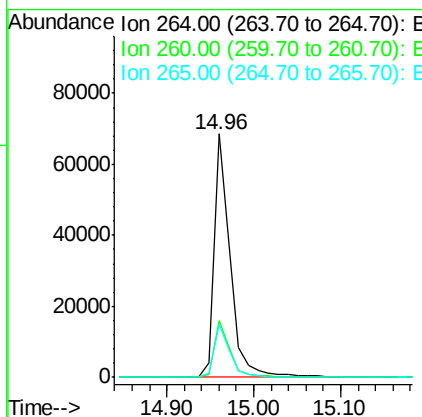
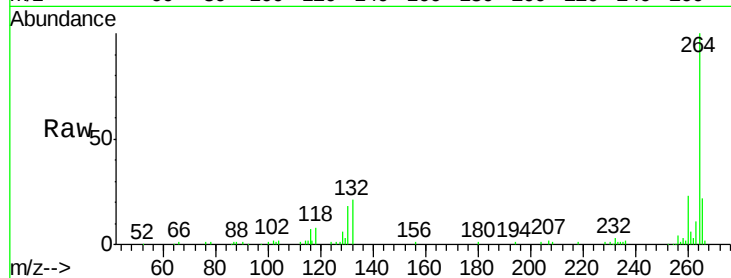


#86
Perylene-d12
Concen: 20.00 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.05 min
Lab File: BF089419.D
Acq: 29 Jul 2016 20:05

Instrument :
BNA_F
ClientSampleId :
SB-43-5.5-6.5

Tgt Ion: 264 Resp: 89386

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	21.8	17.5	26.3



#89
Benzo(a)pyrene
Concen: 0.05 ng
RT: 14.96 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF089419.D
Acq: 29 Jul 2016 20:05

Tgt Ion: 252 Resp: 228

Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.4	26.2#
125	0.0	12.4	18.6#

