

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121516\
 Data File : BF091635.D
 Acq On : 15 Dec 2016 18:24
 Operator : UM/SJ
 Sample : H6012-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6-6-7

Quant Time: Dec 16 00:13:05 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

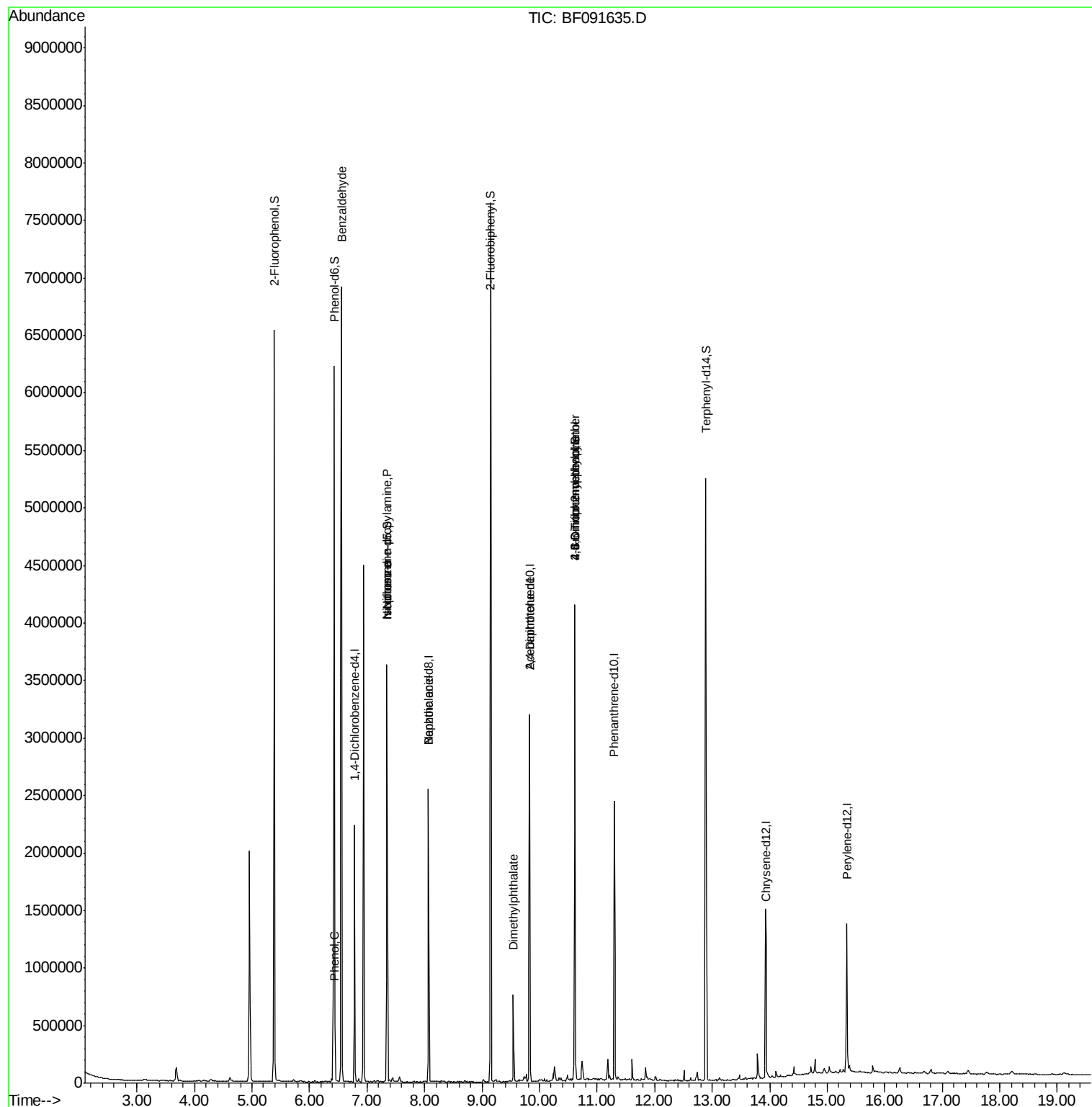
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	335938	20.00	ng	-0.03
21) Naphthalene-d8	8.06	136	1302861	20.00	ng	-0.03
38) Acenaphthene-d10	9.82	164	695442	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	994719	20.00	ng	-0.03
75) Chrysene-d12	13.94	240	679507	20.00	ng	-0.02
86) Perylene-d12	15.35	264	641252	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1929336	96.76	ng	-0.02
7) Phenol-d6	6.43	99	2627127	105.68	ng	-0.02
23) Nitrobenzene-d5	7.34	82	1526906	65.41	ng	-0.03
41) 2,4,6-Tribromophenol	10.61	330	525341	90.95	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	2301120	57.17	ng	-0.03
78) Terphenyl-d14	12.89	244	1751459	58.49	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.56	77	52160	3.05	ng	Qvalue 86
10) Phenol	6.44	94	155810	5.36	ng	# 70
19) n-Nitroso-di-n-propylamine	7.34	70	199171	12.81	ng	# 64
20) 3+4-Methylphenols	6.93	107	550	Below Cal		# 1
25) Isophorone	7.34	82	1309178	31.55	ng	# 67
32) Benzoic acid	8.06	122	371	4.92	ng	# 1
49) Dimethylphthalate	9.54	163	327402	7.43	ng	# 99
56) 2,4-Dinitrotoluene	9.82	165	93047	7.68	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.61	198	1704	3.21	ng	# 18
66) 4-Bromophenyl-phenylether	10.61	248	36198	3.55	ng	# 1

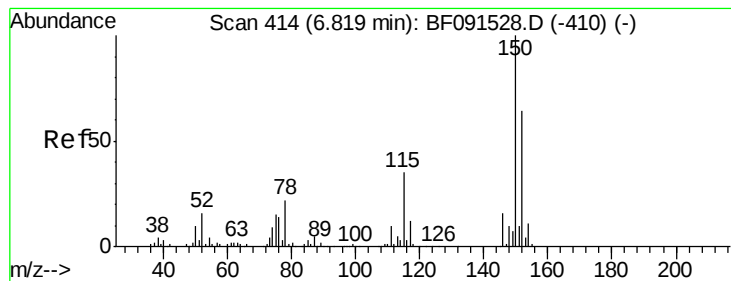
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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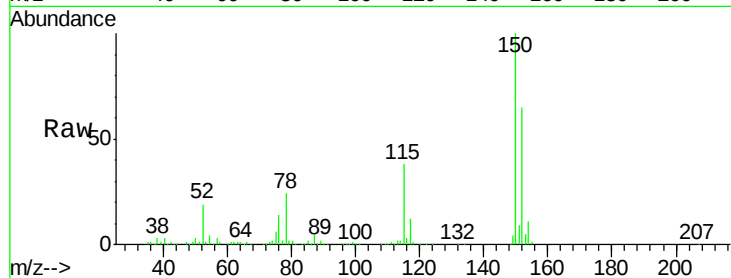




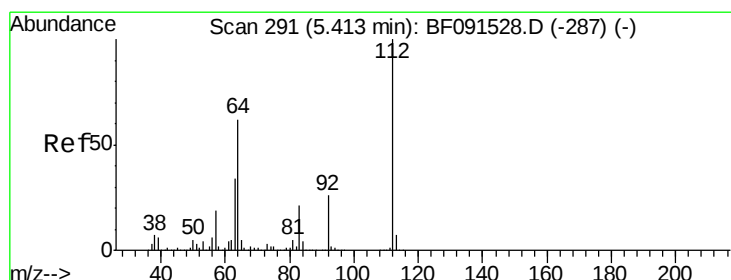
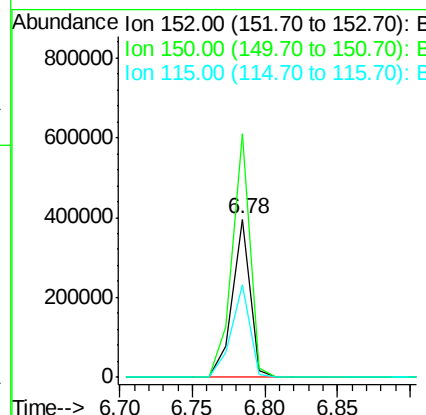
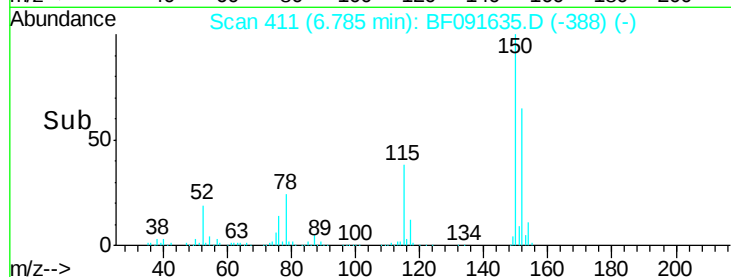
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.78 min Scan# 411
 Delta R.T. -0.03 min
 Lab File: BF091635.D
 Acq: 15 Dec 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-6-6-7

Tgt Ion:152 Resp: 335938
 Ion Ratio Lower Upper
 152 100
 150 154.2 122.5 183.7
 115 58.2 51.8 77.8

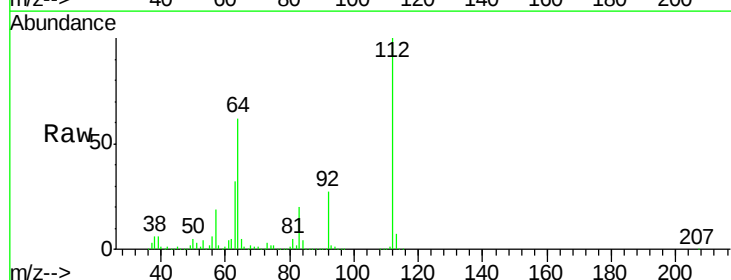


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

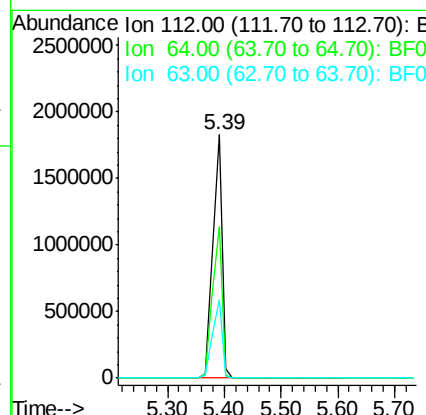
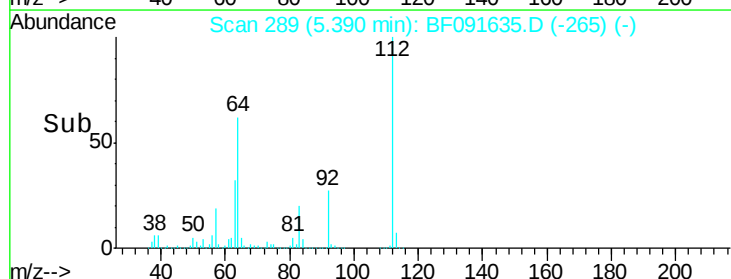


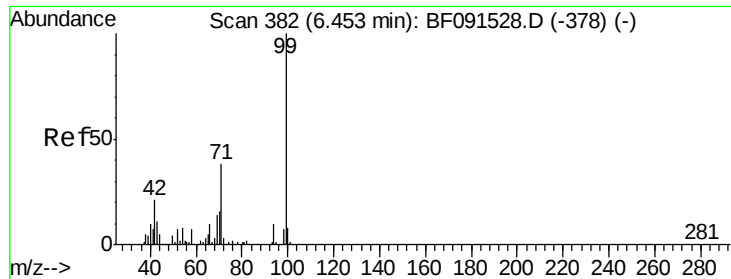
#5
 2-Fluorophenol
 Concen: 96.76 ng
 RT: 5.39 min Scan# 289
 Delta R.T. -0.02 min
 Lab File: BF091635.D
 Acq: 15 Dec 2016 18:24

Tgt Ion:112 Resp: 1929336
 Ion Ratio Lower Upper
 112 100
 64 62.0 61.5 92.3
 63 32.2 33.3 49.9#



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: 105.68 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF091635.D

Acq: 15 Dec 2016 18:24

Instrument :

BNA_F

ClientSampleId :

SB-6-6-7

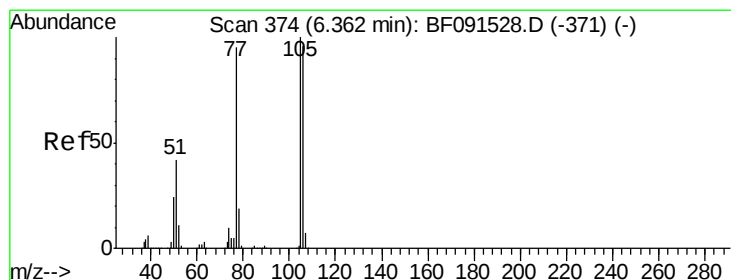
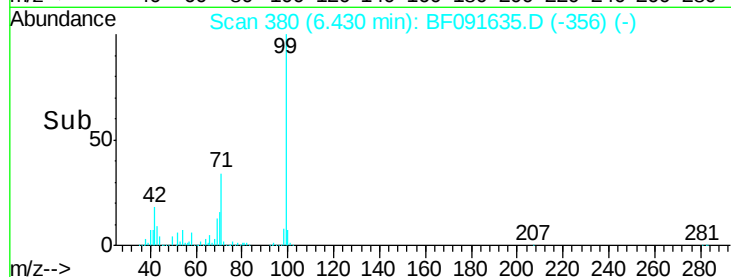
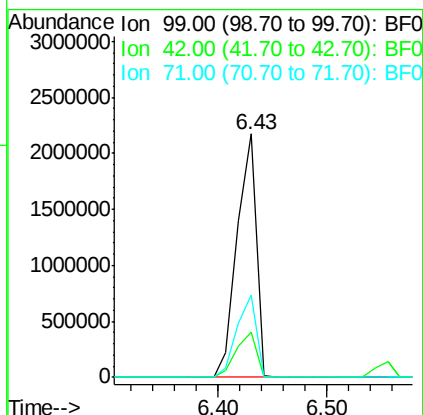
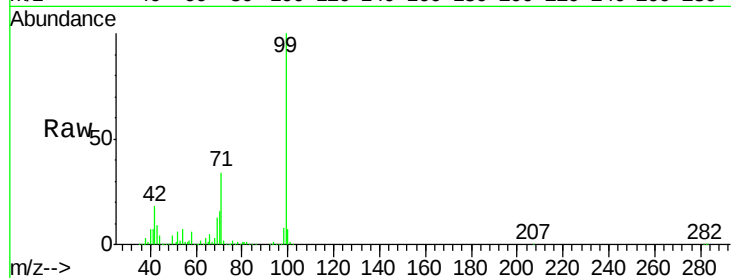
Tgt Ion: 99 Resp: 2627127

Ion Ratio Lower Upper

99 100

42 18.4 20.6 31.0#

71 34.0 29.9 44.9



#9

Benzaldehyde

Concen: 3.05 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.19 min

Lab File: BF091635.D

Acq: 15 Dec 2016 18:24

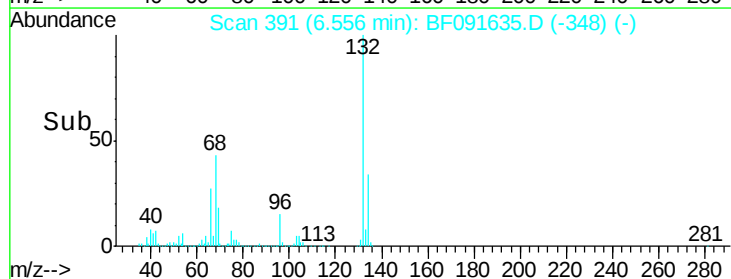
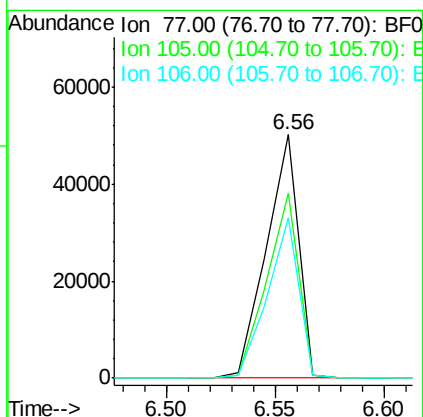
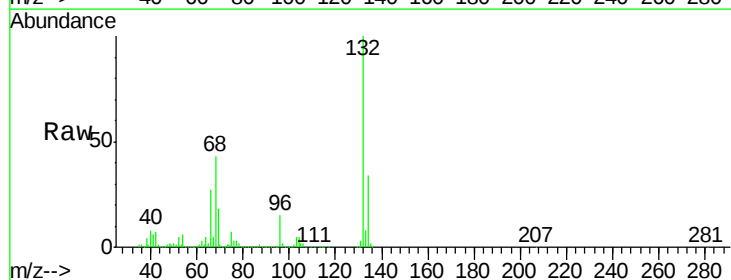
Tgt Ion: 77 Resp: 52160

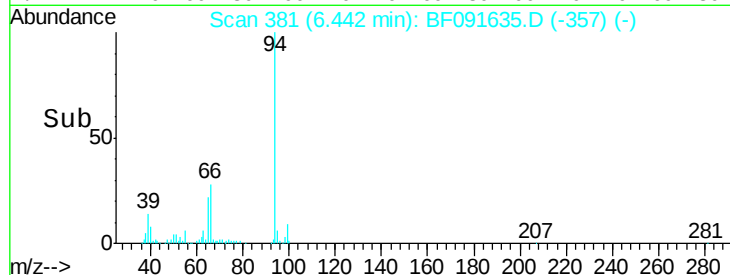
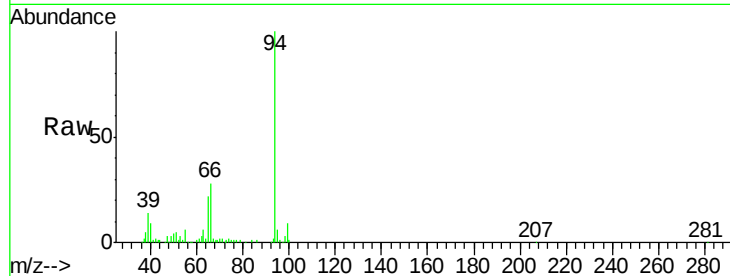
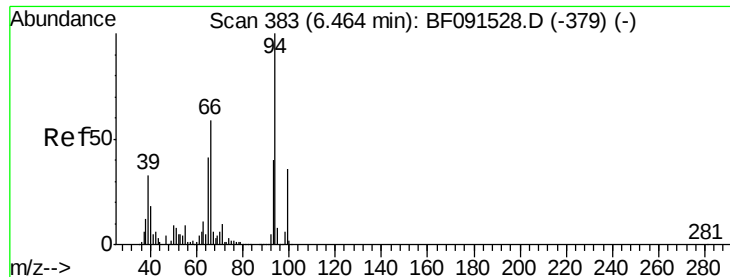
Ion Ratio Lower Upper

77 100

105 75.7 66.4 106.4

106 66.1 60.9 100.9





#10

Phenol

Concen: 5.36 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.02 min

Lab File: BF091635.D

Acq: 15 Dec 2016 18:24

Instrument :

BNA_F

ClientSampleId :

SB-6-6-7

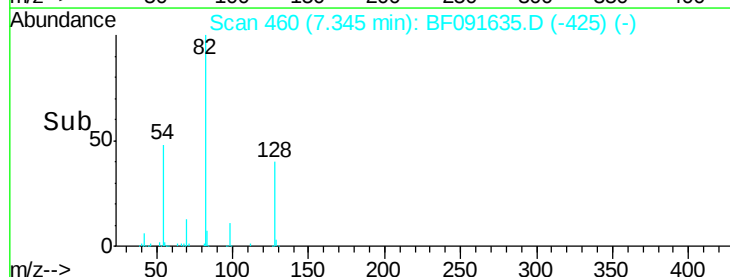
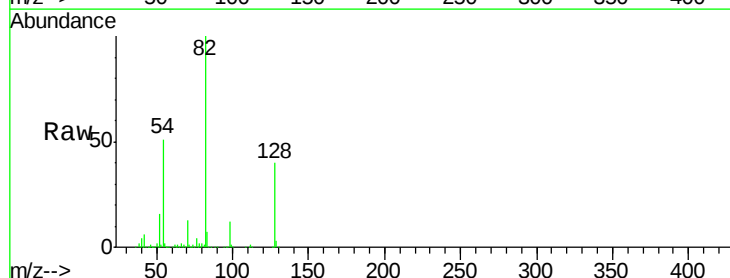
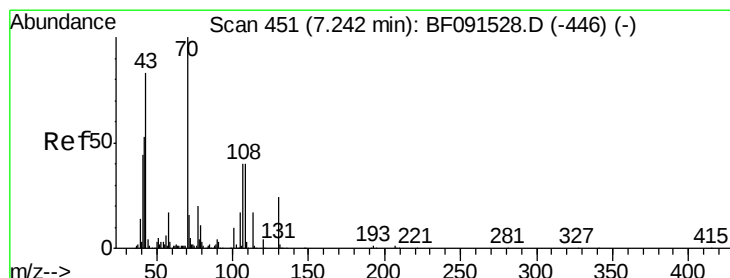
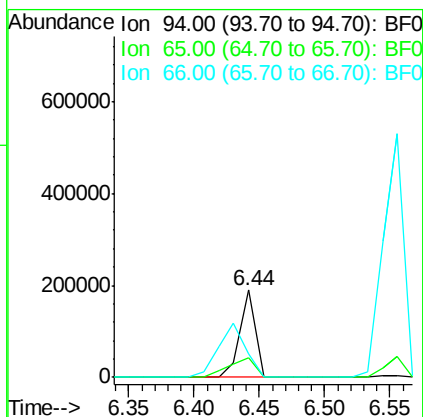
Tgt Ion: 94 Resp: 155810

Ion Ratio Lower Upper

94 100

65 22.0 16.9 56.9

66 27.6 30.6 70.6#



#19

n-Nitroso-di-n-propylamine

Concen: 12.81 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.10 min

Lab File: BF091635.D

Acq: 15 Dec 2016 18:24

Tgt Ion: 70 Resp: 199171

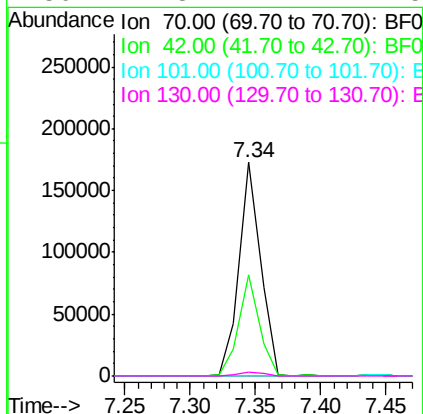
Ion Ratio Lower Upper

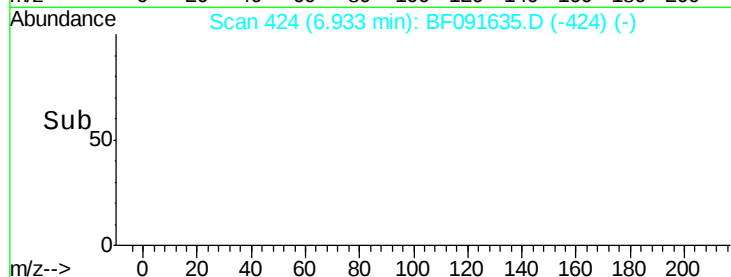
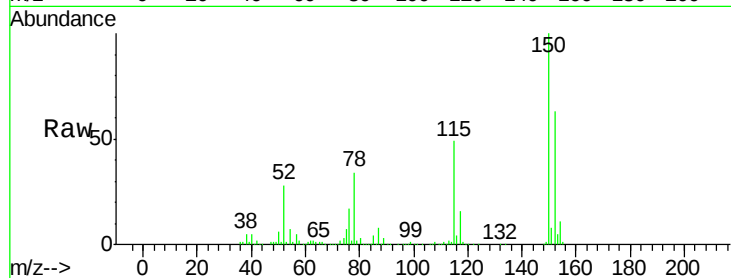
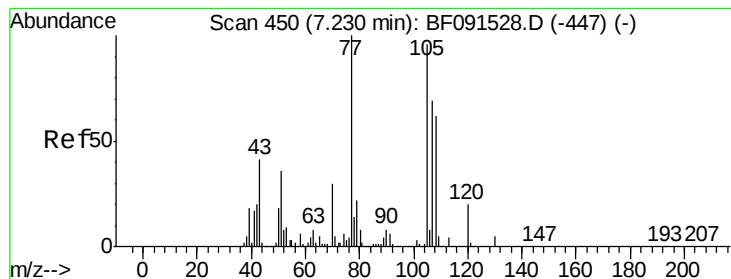
70 100

42 47.6 64.8 97.2#

101 0.0 6.2 9.4#

130 1.8 11.7 17.5#





#20

3+4-Methylphenols

Concen: Below Cal

RT: 6.93 min Scan# 424

Delta R.T. -0.30 min

Lab File: BF091635.D

Acq: 15 Dec 2016 18:24

Instrument :

BNA_F

ClientSampleId :

SB-6-6-7

Tgt Ion:107 Resp: 550

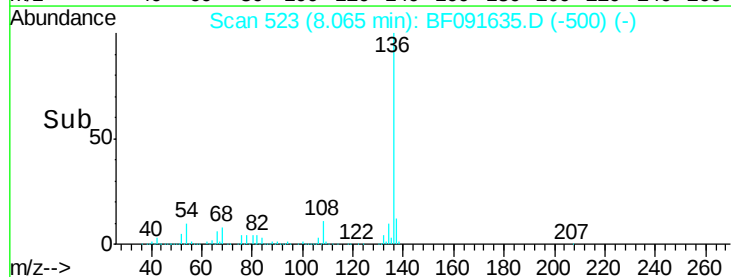
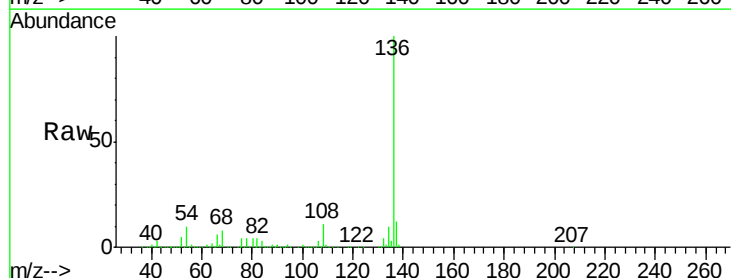
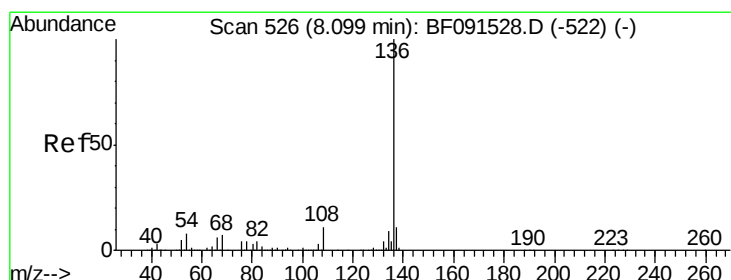
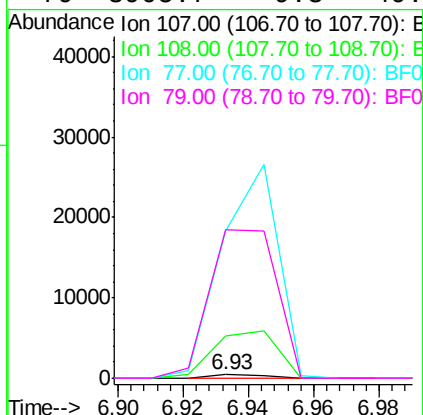
Ion Ratio Lower Upper

107 100

108 1091.8 64.6 104.6#

77 3870.3 30.9 70.9#

79 3905.7 9.3 49.3#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.03 min

Lab File: BF091635.D

Acq: 15 Dec 2016 18:24

Tgt Ion:136 Resp: 1302861

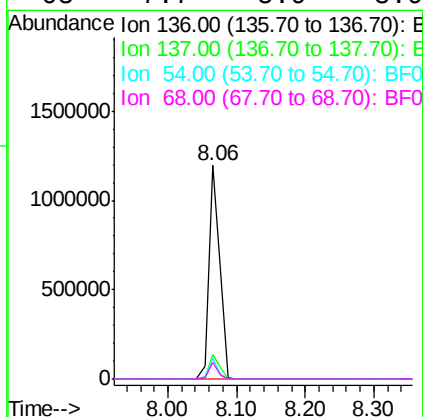
Ion Ratio Lower Upper

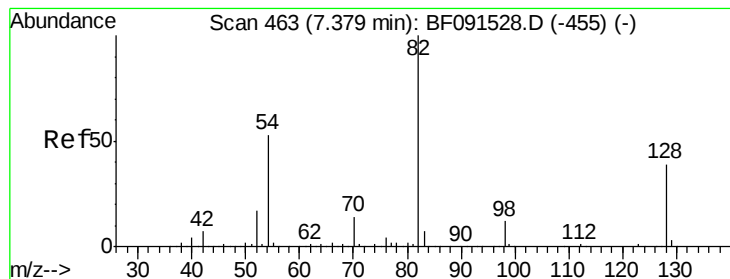
136 100

137 11.6 9.1 13.7

54 9.8 9.1 13.7

68 7.7 5.9 8.9





#23

Nitrobenzene-d5

Concen: 65.41 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.03 min

Lab File: BF091635.D

Acq: 15 Dec 2016 18:24

Instrument :

BNA_F

ClientSampleId :

SB-6-6-7

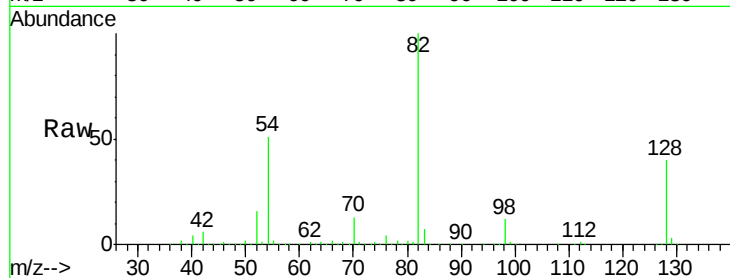
Tgt Ion: 82 Resp: 1526906

Ion Ratio Lower Upper

82 100

128 40.4 31.8 47.6

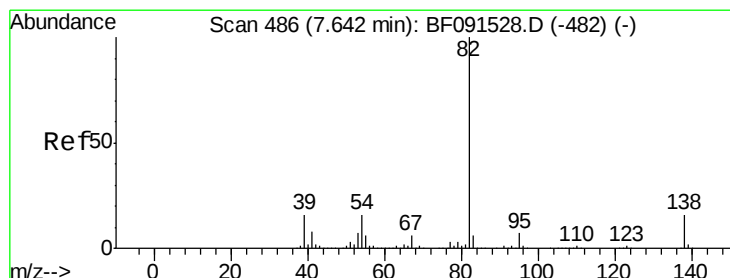
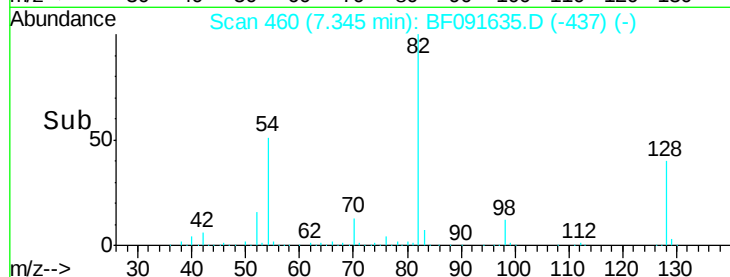
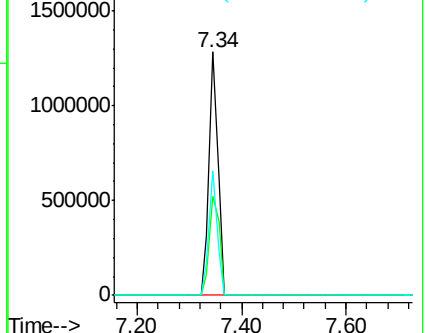
54 51.4 49.1 73.7



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 31.55 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.30 min

Lab File: BF091635.D

Acq: 15 Dec 2016 18:24

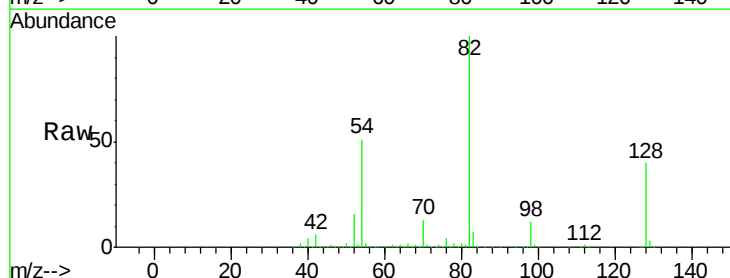
Tgt Ion: 82 Resp: 1309178

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

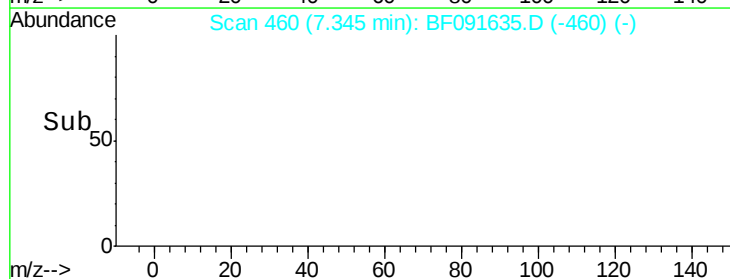
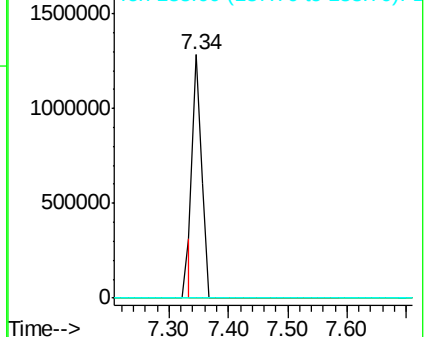
138 0.0 13.4 20.0#

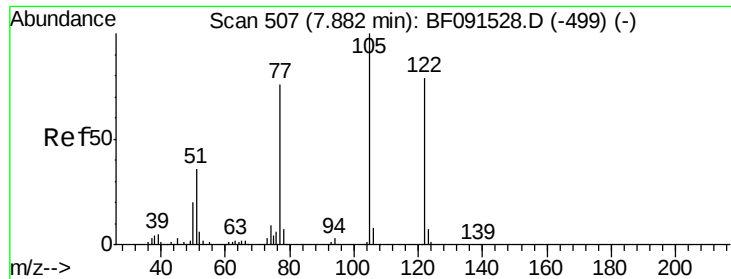


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

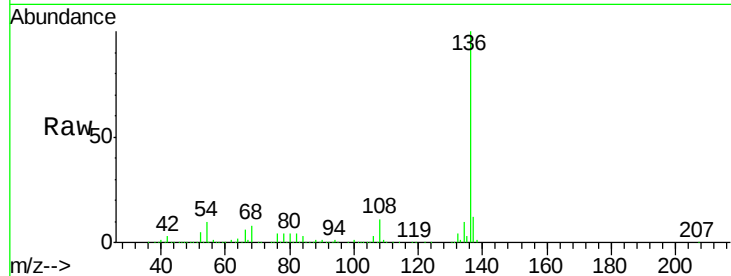




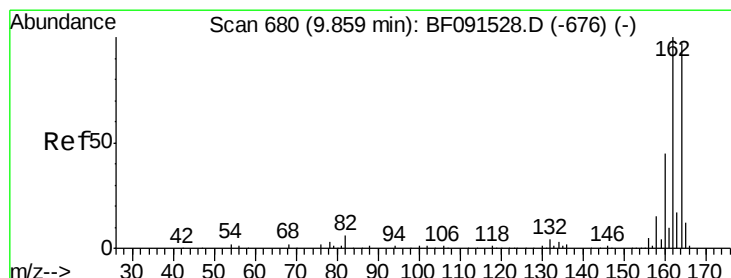
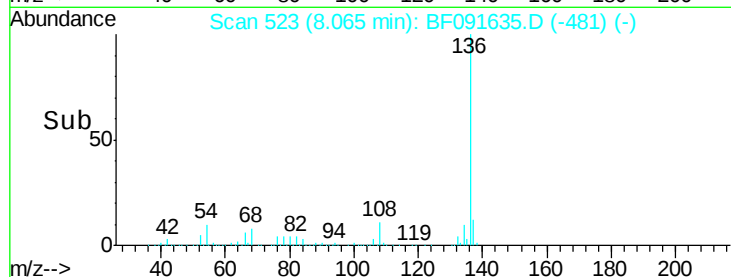
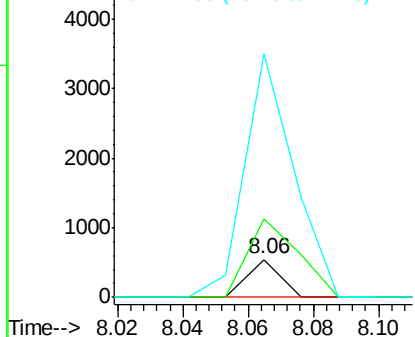
#32
Benzoic acid
Concen: 4.92 ng
RT: 8.06 min Scan# 523
Delta R.T. 0.18 min
Lab File: BF091635.D
Acq: 15 Dec 2016 18:24

Instrument :
BNA_F
ClientSampleId :
SB-6-6-7

Tgt Ion:122 Resp: 371
Ion Ratio Lower Upper
122 100
105 208.3 113.0 153.0#
77 646.4 82.0 122.0#

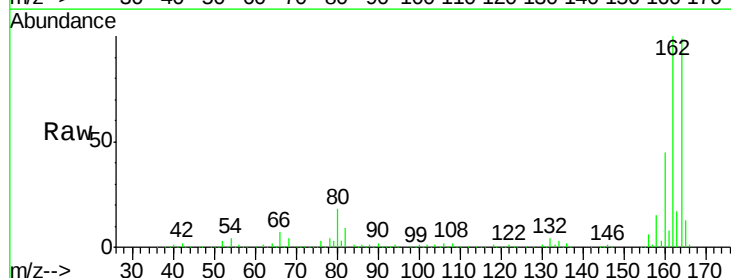


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

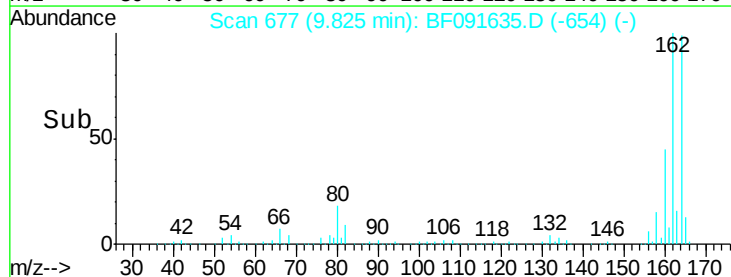
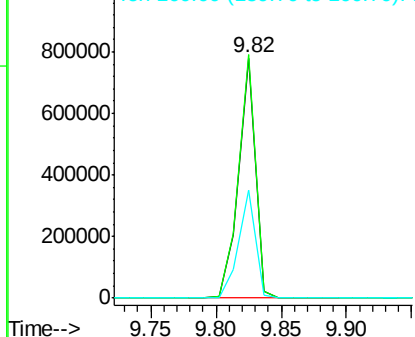


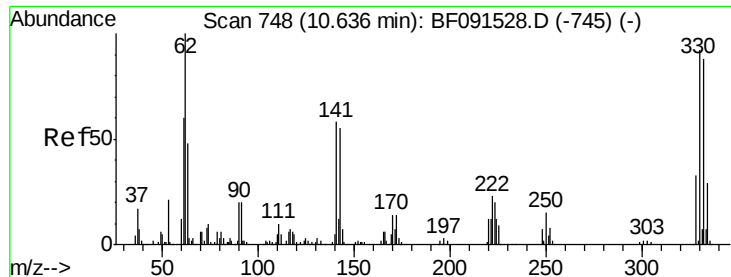
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.03 min
Lab File: BF091635.D
Acq: 15 Dec 2016 18:24

Tgt Ion:164 Resp: 695442
Ion Ratio Lower Upper
164 100
162 101.5 82.6 124.0
160 45.3 36.7 55.1



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

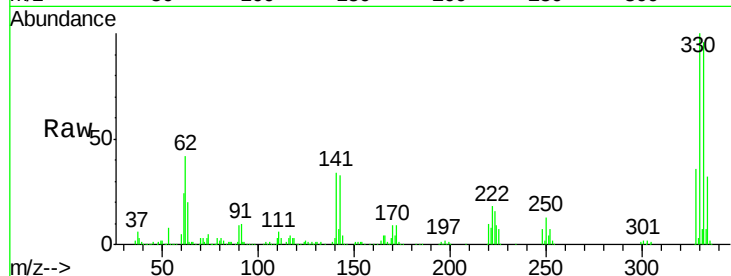




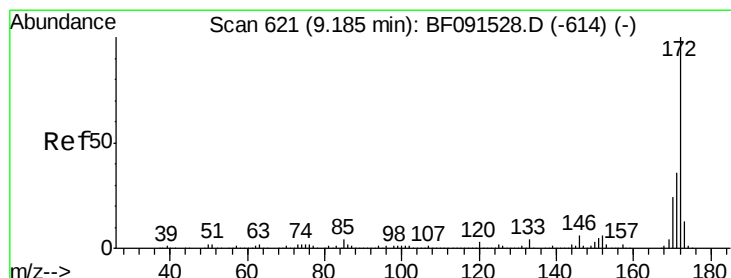
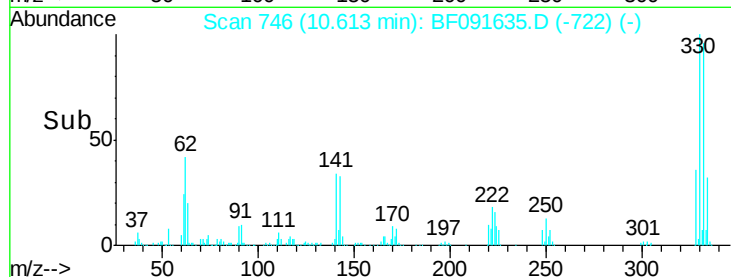
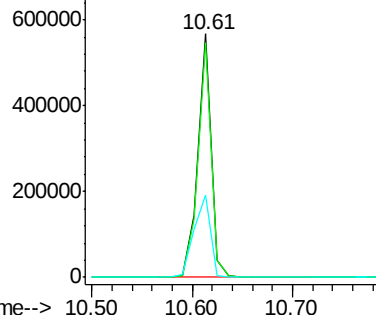
#41
 2,4,6-Tribromophenol
 Concen: 90.95 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.02 min
 Lab File: BF091635.D
 Acq: 15 Dec 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-6-6-7

Tgt Ion:330 Resp: 525341
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.2 114.4
 141 41.4 33.6 50.4

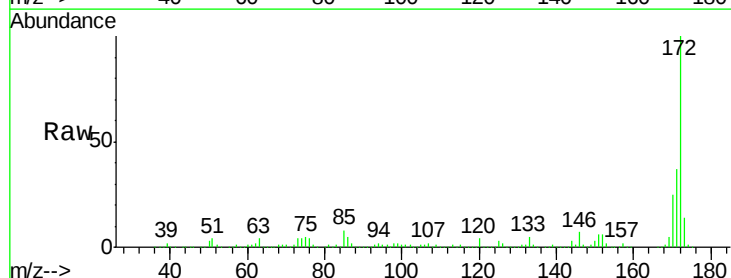


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

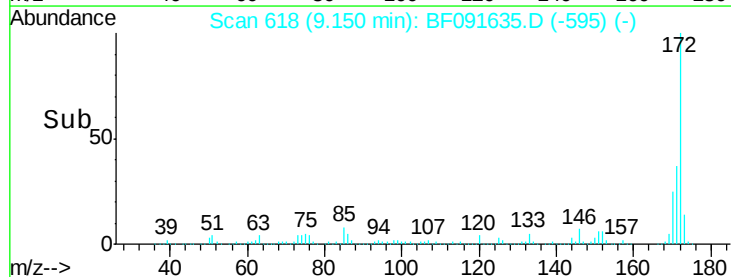
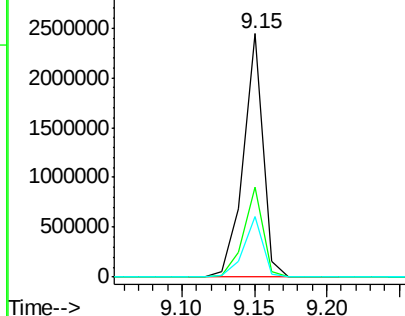


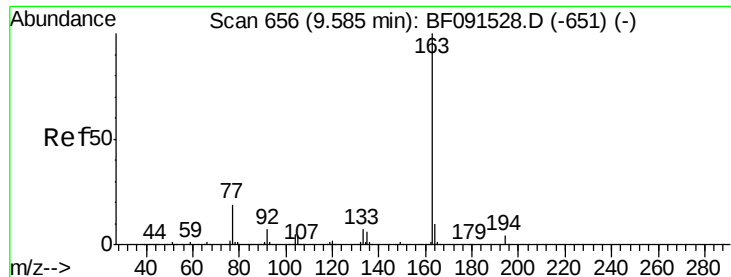
#44
 2-Fluorobiphenyl
 Concen: 57.17 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.03 min
 Lab File: BF091635.D
 Acq: 15 Dec 2016 18:24

Tgt Ion:172 Resp: 2301120
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.0
 170 25.0 19.7 29.5



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

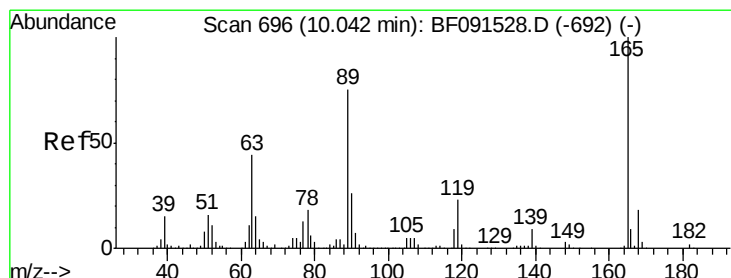
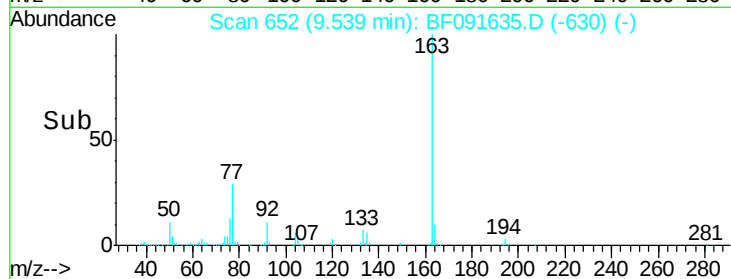
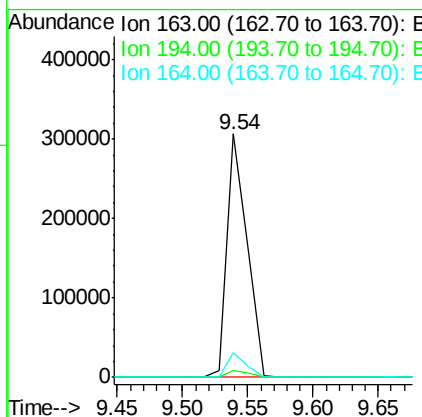
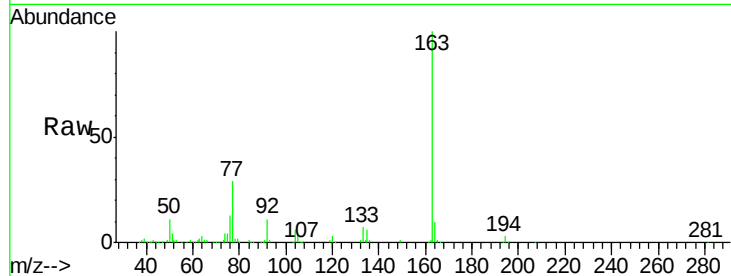




#49
Dimethylphthalate
Concen: 7.43 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.05 min
Lab File: BF091635.D
Acq: 15 Dec 2016 18:24

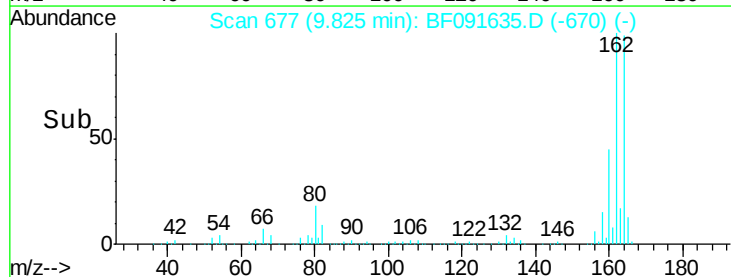
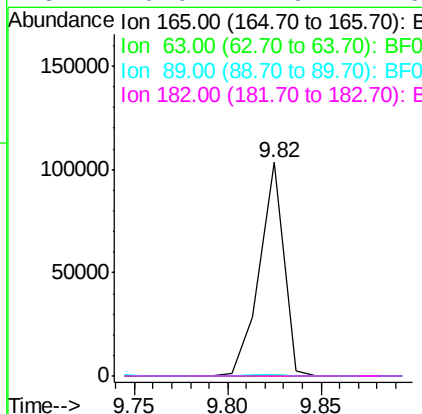
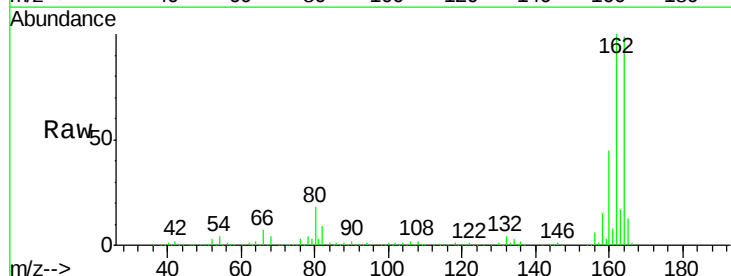
Instrument :
BNA_F
ClientSampleId :
SB-6-6-7

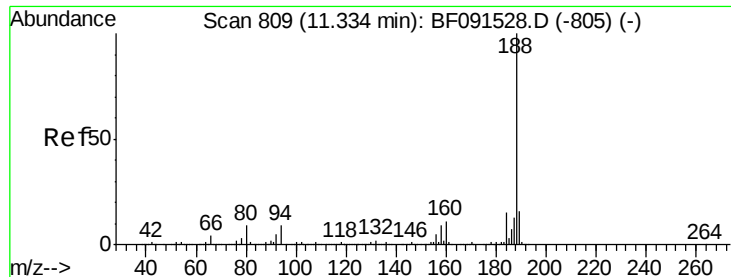
Tgt Ion:163 Resp: 327402
Ion Ratio Lower Upper
163 100
194 2.9 3.0 4.4#
164 10.2 7.8 11.8



#56
2,4-Dinitrotoluene
Concen: 7.68 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.22 min
Lab File: BF091635.D
Acq: 15 Dec 2016 18:24

Tgt Ion:165 Resp: 93047
Ion Ratio Lower Upper
165 100
63 0.8 29.0 43.4#
89 0.9 43.1 64.7#
182 0.0 1.9 2.9#

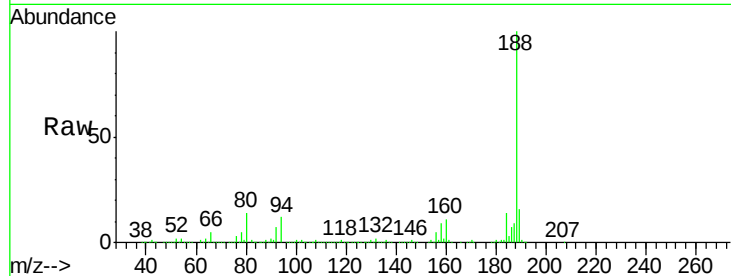




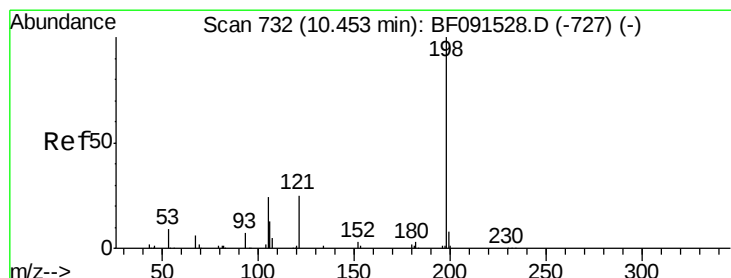
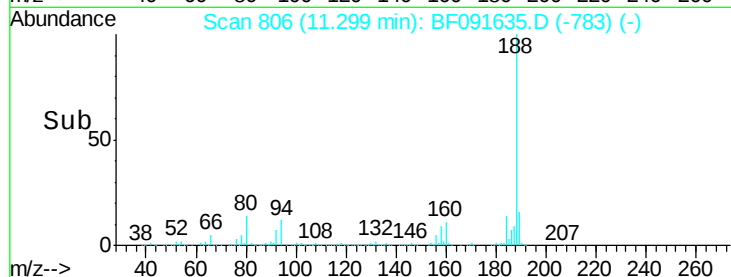
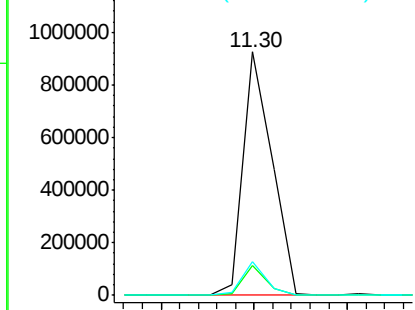
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.03 min
Lab File: BF091635.D
Acq: 15 Dec 2016 18:24

Instrument :
BNA_F
ClientSampleId :
SB-6-6-7

Tgt Ion:188 Resp: 994719
Ion Ratio Lower Upper
188 100
94 12.4 9.2 13.8
80 14.1 10.5 15.7

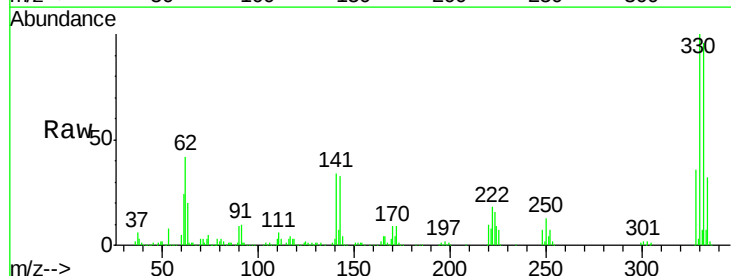


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

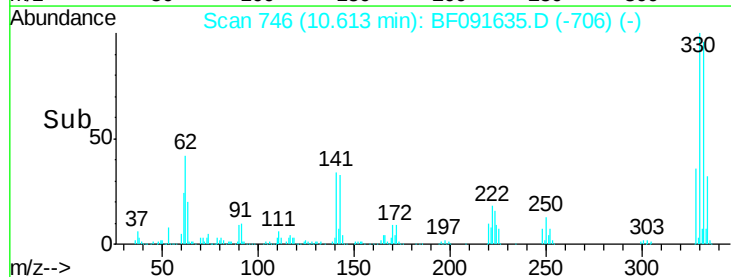
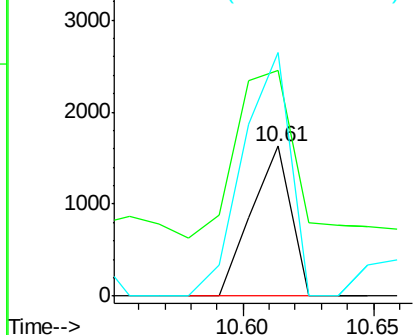


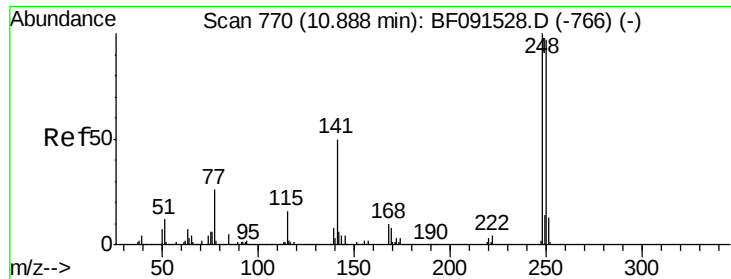
#64
4,6-Dinitro-2-methylphenol
Concen: 3.21 ng
RT: 10.61 min Scan# 746
Delta R.T. 0.16 min
Lab File: BF091635.D
Acq: 15 Dec 2016 18:24

Tgt Ion:198 Resp: 1704
Ion Ratio Lower Upper
198 100
51 150.5 77.1 117.1#
105 162.2 44.8 84.8#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.55 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.27 min

Lab File: BF091635.D

Acq: 15 Dec 2016 18:24

Instrument :

BNA_F

ClientSampleId :

SB-6-6-7

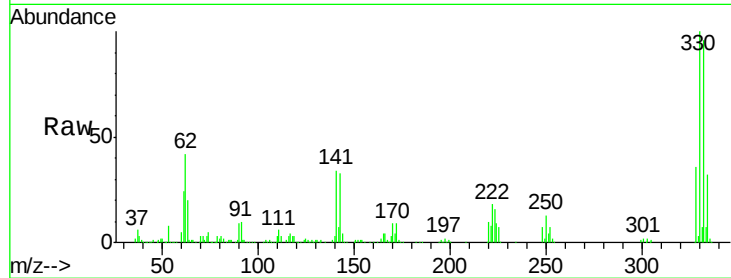
Tgt Ion:248 Resp: 36198

Ion Ratio Lower Upper

248 100

250 198.3 78.2 117.4#

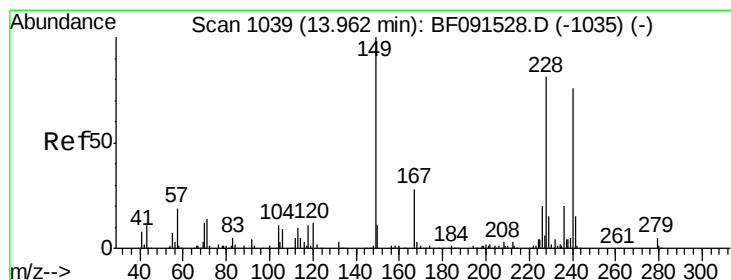
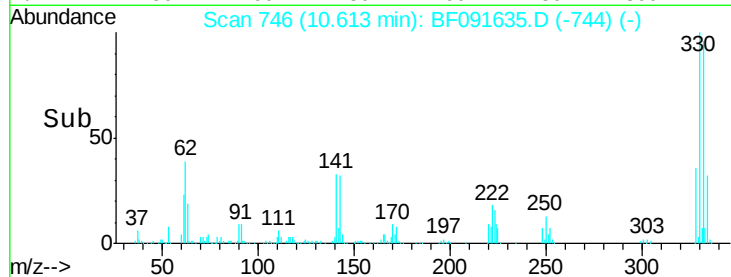
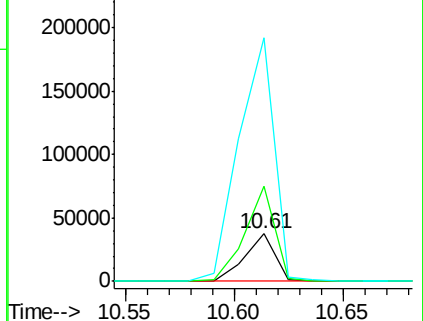
141 510.3 71.9 107.9#



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: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF091635.D

Acq: 15 Dec 2016 18:24

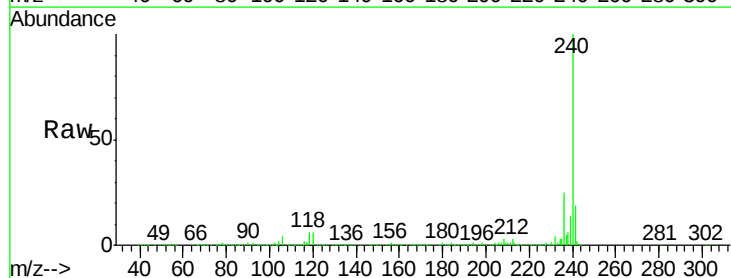
Tgt Ion:240 Resp: 679507

Ion Ratio Lower Upper

240 100

120 6.4 12.1 18.1#

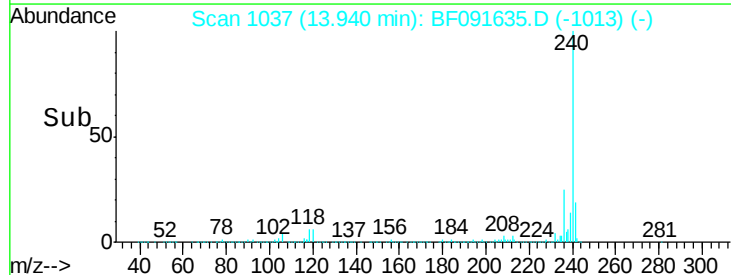
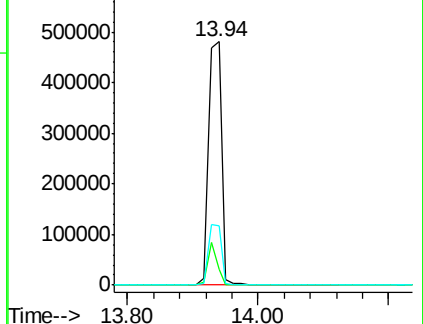
236 24.5 21.0 31.6

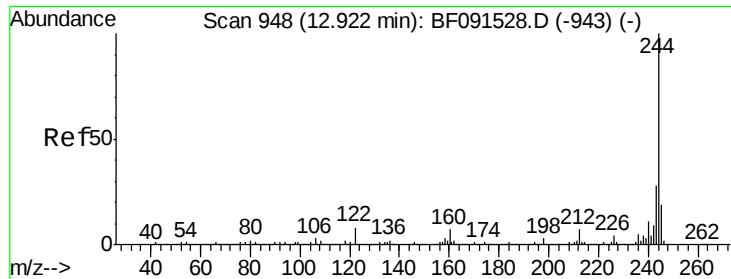


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

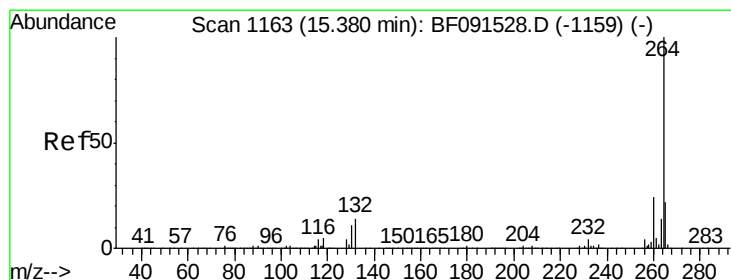
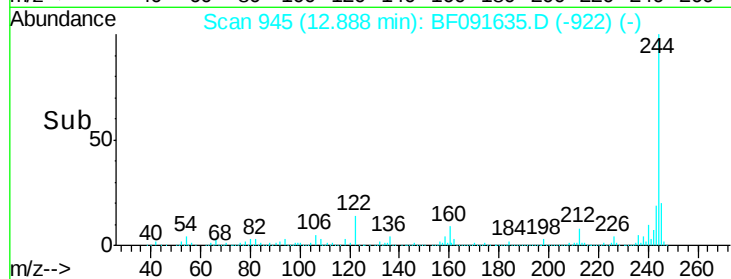
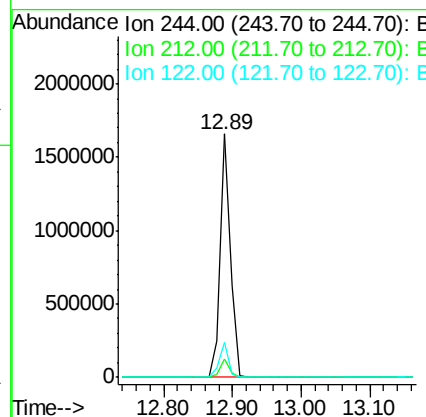
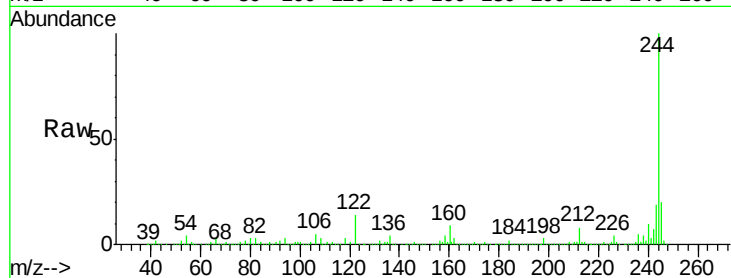




#78
 Terphenyl-d14
 Concen: 58.49 ng
 RT: 12.89 min Scan# 945
 Delta R.T. -0.03 min
 Lab File: BF091635.D
 Acq: 15 Dec 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-6-6-7

Tgt Ion:244 Resp: 1751459
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.5 9.7
 122 14.5 9.5 14.3#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.35 min Scan# 1160
 Delta R.T. -0.03 min
 Lab File: BF091635.D
 Acq: 15 Dec 2016 18:24

Tgt Ion:264 Resp: 641252
 Ion Ratio Lower Upper
 264 100
 260 24.5 18.8 28.2
 265 21.7 17.0 25.6

