

Data Path : Z:\HPCHEM1\BNA F\Data\BF122316\
 Data File : BF091920.D
 Acq On : 23 Dec 2016 13:41
 Operator : UM/SJ
 Sample : H6156-25
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612

Quant Time: Dec 23 17:01:23 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

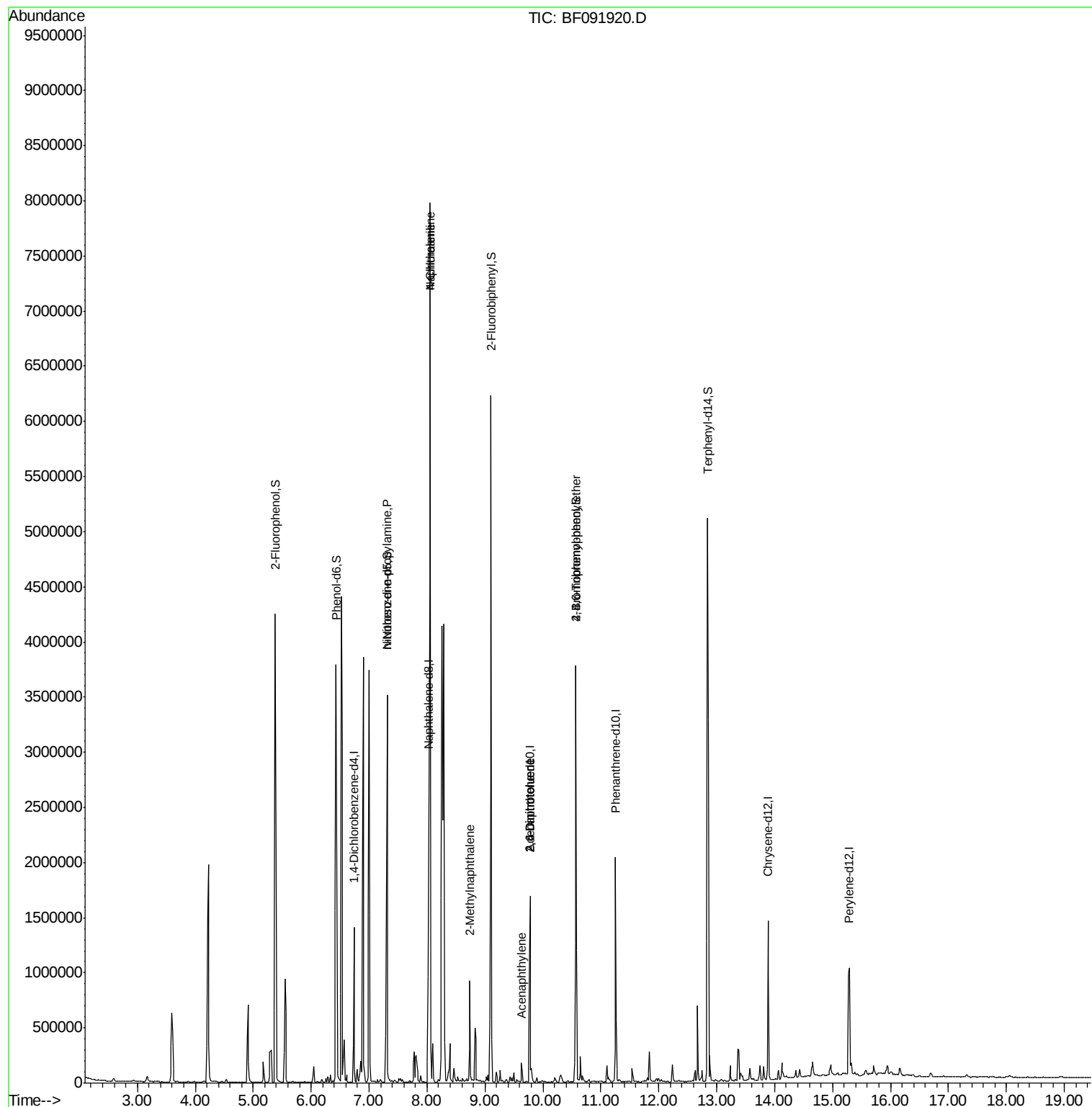
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	216042	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	907022	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	500706	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	780201	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	641848	20.00	ng	-0.02
86) Perylene-d12	15.29	264	501362	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1502811	116.15	ng	0.03
7) Phenol-d6	6.43	99	1845397	116.82	ng	0.02
23) Nitrobenzene-d5	7.31	82	1452357	89.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	559301	134.98	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	2221375	91.96	ng	-0.01
78) Terphenyl-d14	12.84	244	2253163	85.14	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	196175	18.67	ng	# 74
31) Naphthalene	8.05	128	4450833	107.22	ng	98
33) 4-Chloroaniline	8.05	127	634803	33.91	ng	# 33
37) 2-Methylnaphthalene	8.74	142	284149	8.48	ng	97
48) Acenaphthylene	9.63	152	94355	2.26	ng	98
50) 2,6-Dinitrotoluene	9.78	165	65308	9.32	ng	# 30
56) 2,4-Dinitrotoluene	9.78	165	65308	7.42	ng	# 19
66) 4-Bromophenyl-phenylether	10.57	248	33296	4.10	ng	# 1
71) Anthracene	11.33	178	6775	Below Cal		96
73) Di-n-butylphthalate	11.83	149	5223	Below Cal	#	90
74) Fluoranthene	12.47	202	1238	Below Cal		61

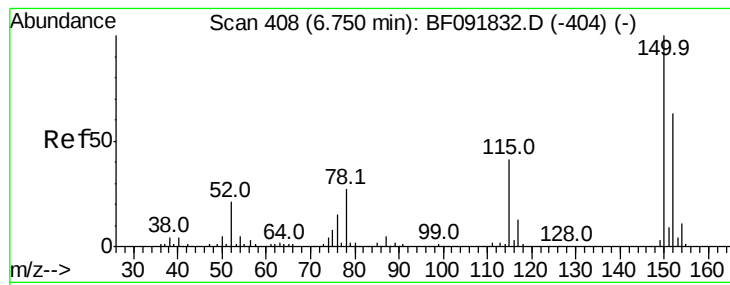
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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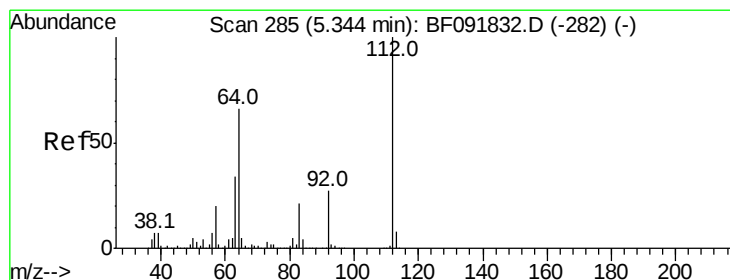
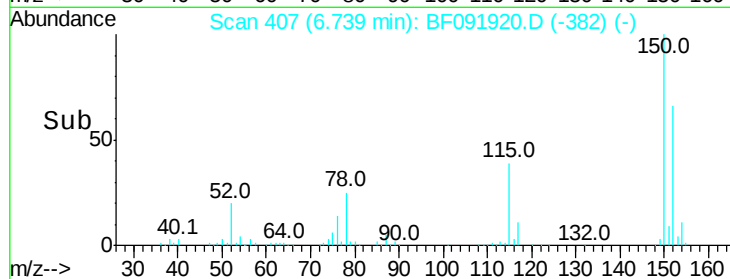
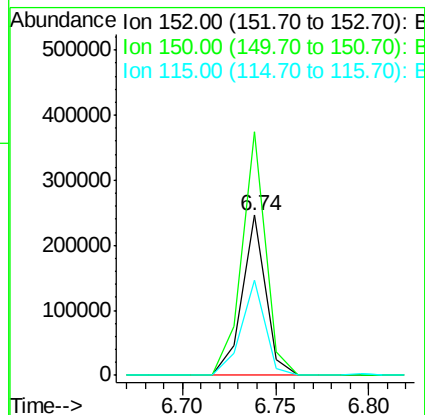
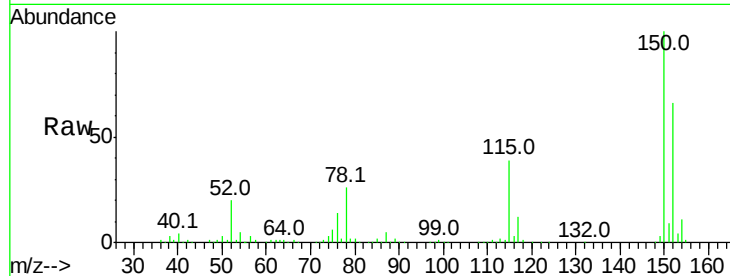


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.74 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: BF091920.D
 Acq: 23 Dec 2016 13:41

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612

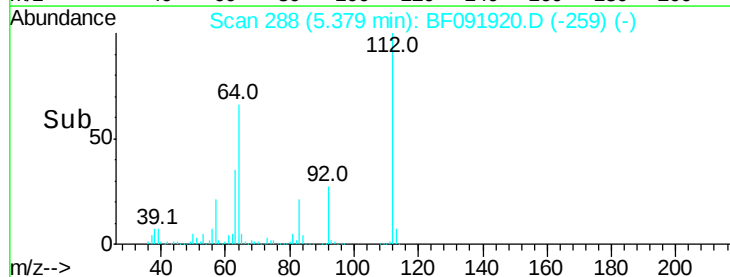
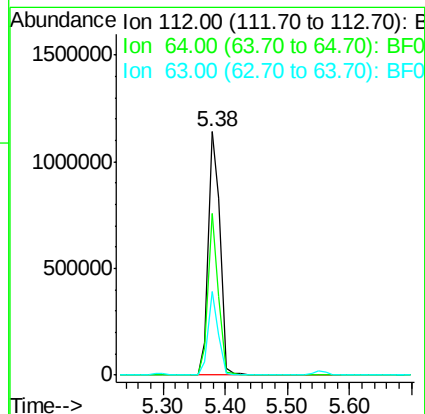
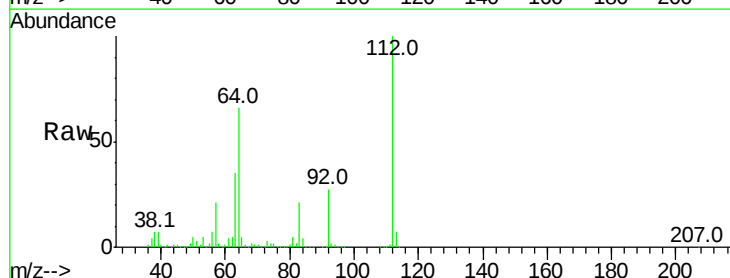
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.9	187.3
115	59.4	46.0	69.0

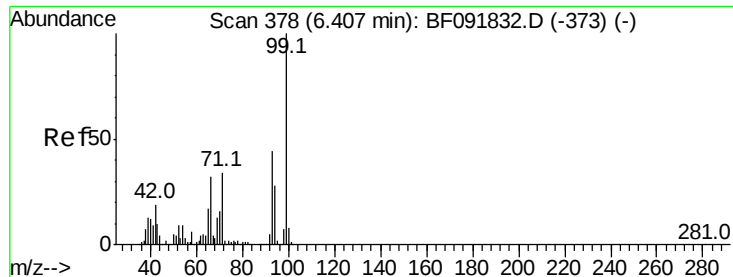


#5

2-Fluorophenol
 Concen: 116.15 ng
 RT: 5.38 min Scan# 288
 Delta R.T. 0.03 min
 Lab File: BF091920.D
 Acq: 23 Dec 2016 13:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.4	46.1	69.1
63	34.5	23.8	35.6





#7

Phenol-d6

Concen: 116.82 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.02 min

Lab File: BF091920.D

Acq: 23 Dec 2016 13:41

Instrument :

BNA_F

ClientSampleId :

WC-201612

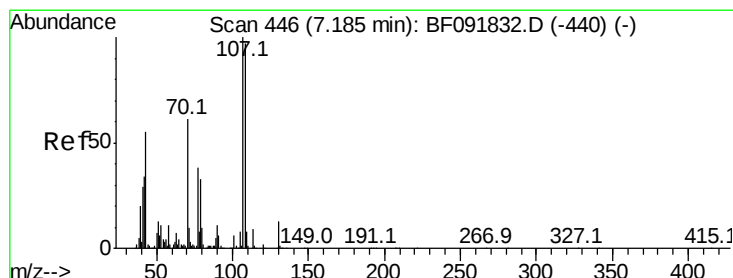
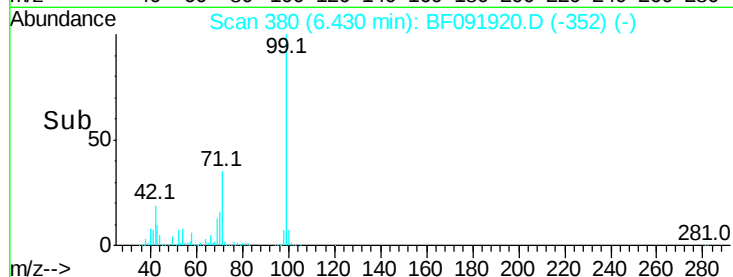
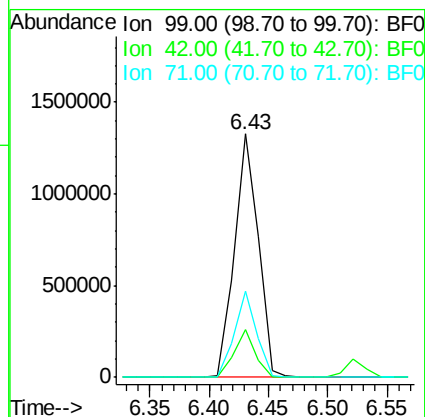
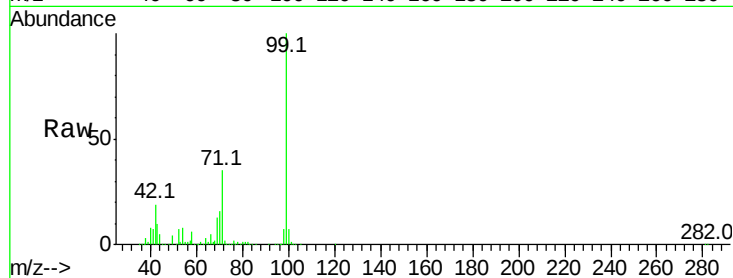
Tot Ion: 99 Resp: 1845397

Ion Ratio Lower Upper

99 100

42 19.5 15.6 23.4

71 35.3 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 18.67 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.13 min

Lab File: BF091920.D

Acq: 23 Dec 2016 13:41

Tgt Ion: 70 Resp: 196175

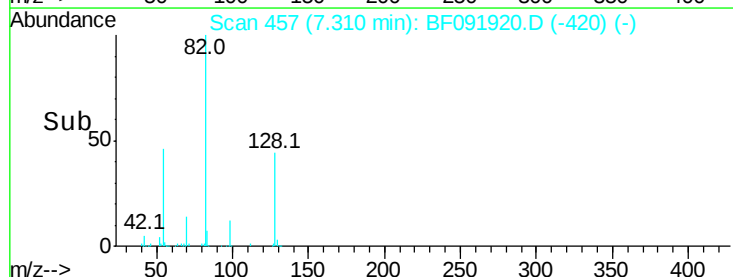
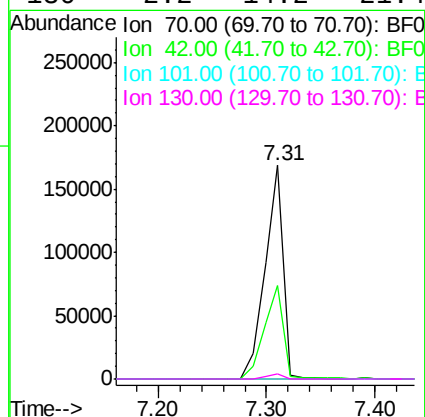
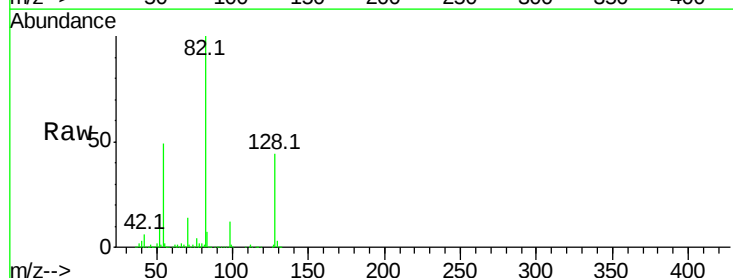
Ion Ratio Lower Upper

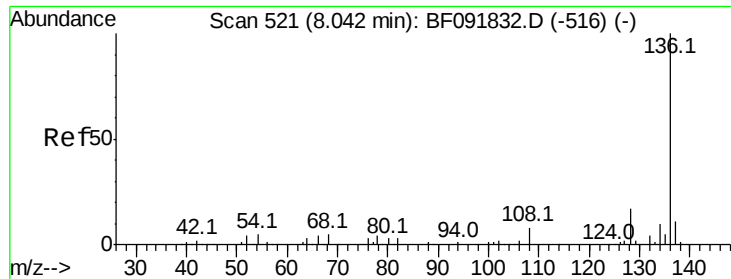
70 100

42 44.0 49.4 74.0#

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

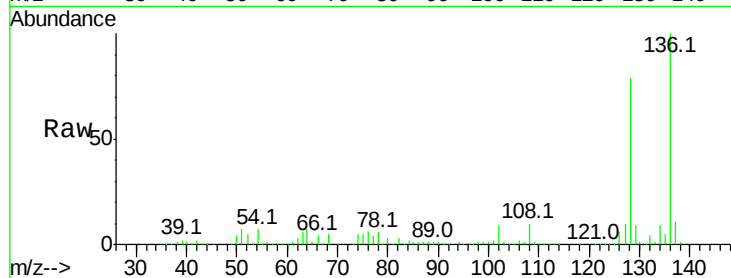




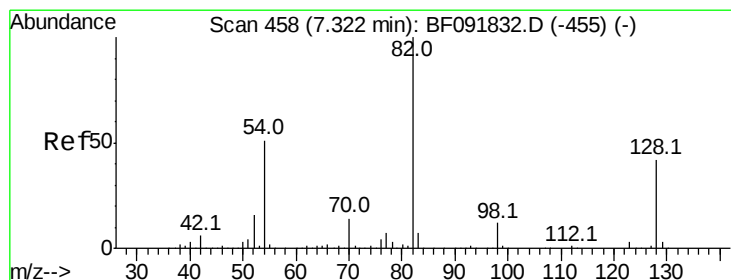
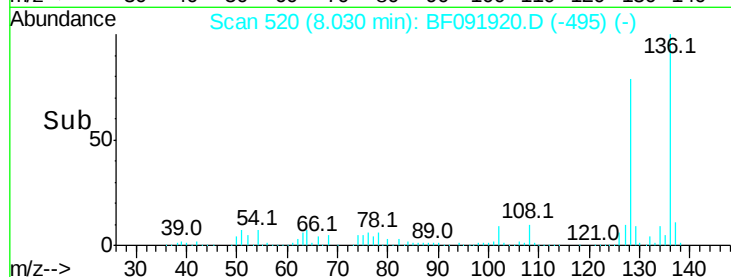
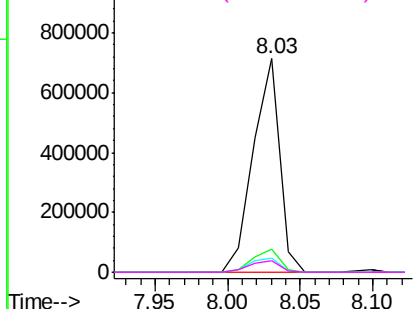
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF091920.D
Acq: 23 Dec 2016 13:41

Instrument :
BNA_F
ClientSampleId :
WC-201612

Tot Ion:	136	Resp:	907022
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	6.8	4.5	6.7#
68	5.3	3.6	5.4

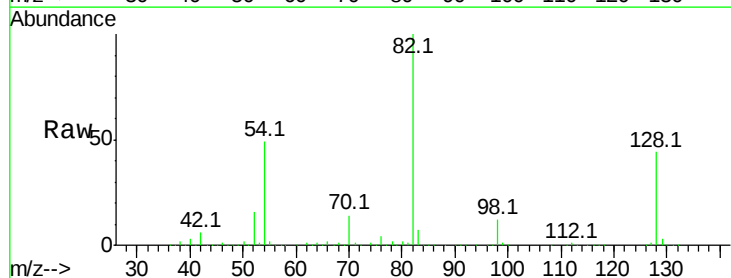


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

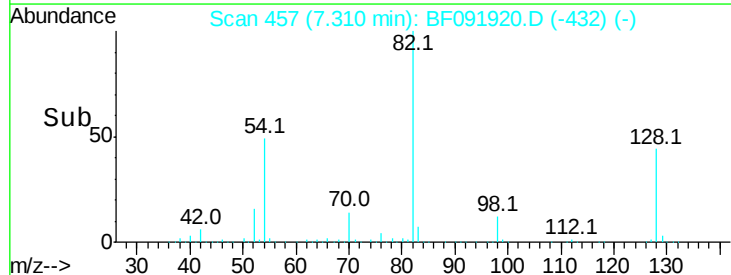
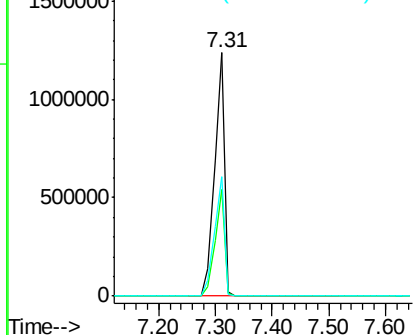


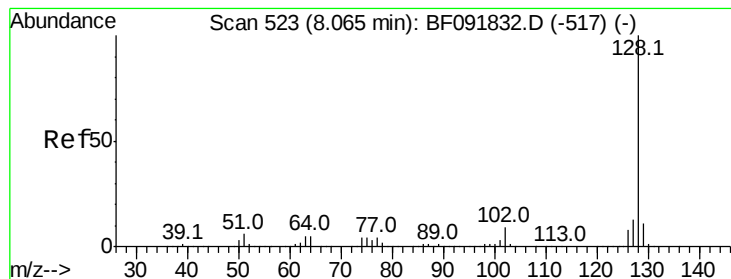
#23
Nitrobenzene-d5
Concen: 89.04 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF091920.D
Acq: 23 Dec 2016 13:41

Tgt Ion:	82	Resp:	1452357
Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.6	52.0
54	49.1	39.5	59.3



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





#31

Naphthalene

Concen: 107.22 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF091920.D

Acq: 23 Dec 2016 13:41

Instrument :

BNA_F

ClientSampleId :

WC-201612

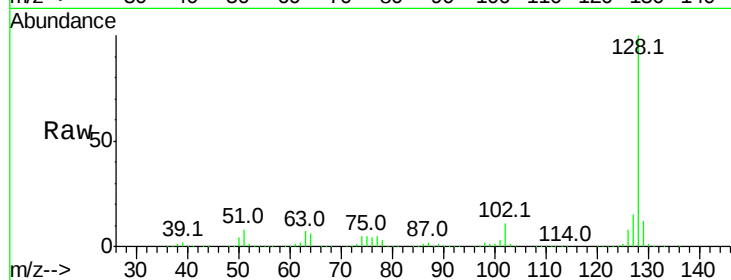
Tot Ion:128 Resp: 4450833

Ion Ratio Lower Upper

128 100

129 12.4 9.5 14.3

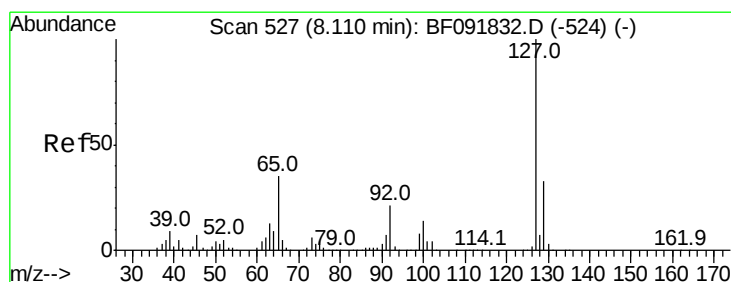
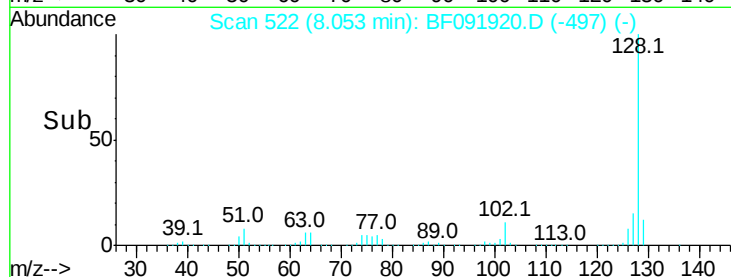
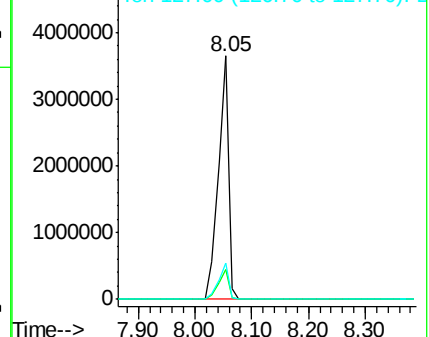
127 14.8 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 33.91 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.06 min

Lab File: BF091920.D

Acq: 23 Dec 2016 13:41

Tgt Ion:127 Resp: 634803

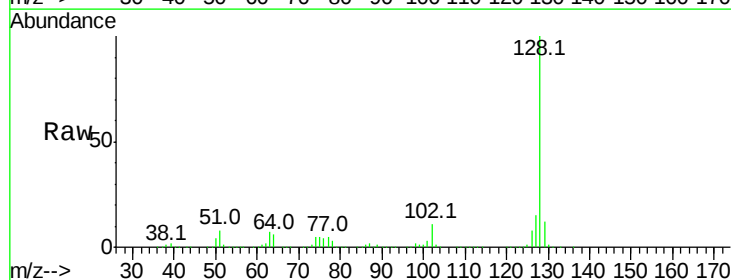
Ion Ratio Lower Upper

127 100

129 84.1 26.3 39.5#

65 0.0 25.8 38.8#

92 0.1 16.1 24.1#

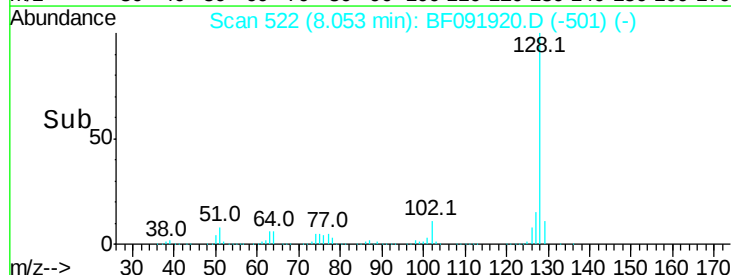
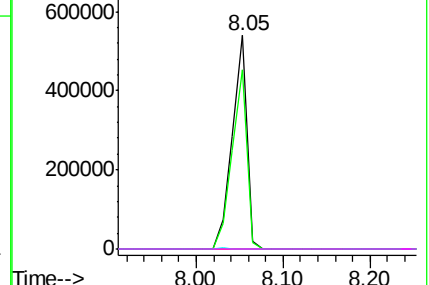


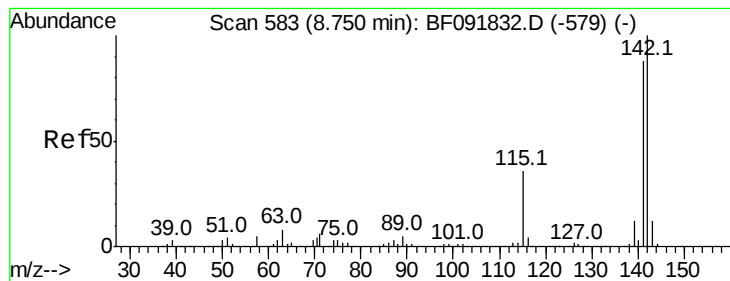
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#37

2-Methylnaphthalene

Concen: 8.48 ng

RT: 8.74 min Scan# 582

Delta R.T. -0.01 min

Lab File: BF091920.D

Acq: 23 Dec 2016 13:41

Instrument :

BNA_F

ClientSampleId :

WC-201612

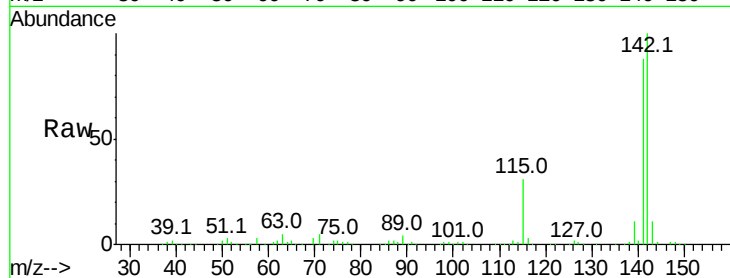
Tot Ion:142 Resp: 284149

Ion Ratio Lower Upper

142 100

141 88.3 71.0 106.6

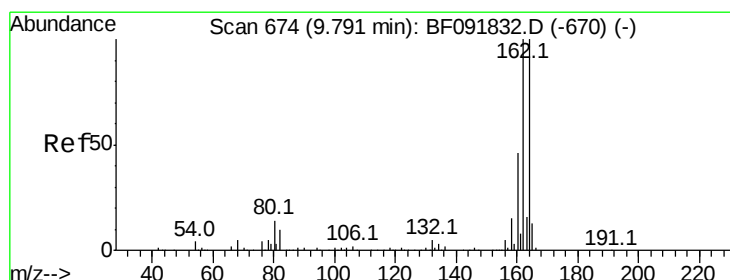
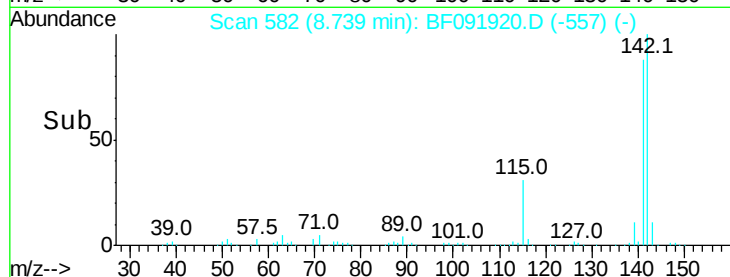
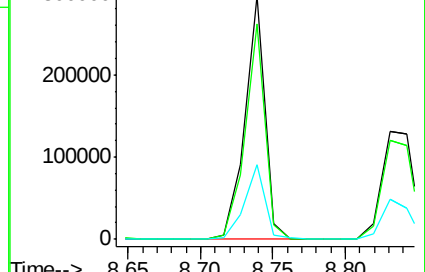
115 30.6 28.3 42.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF091920.D

Acq: 23 Dec 2016 13:41

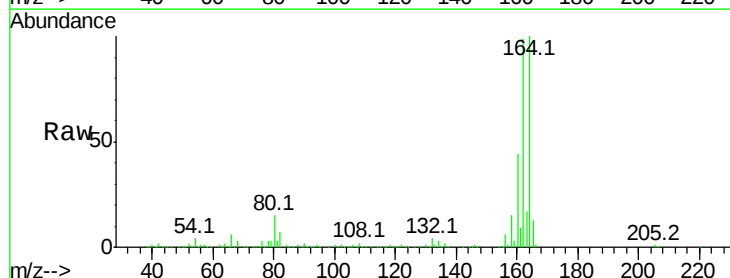
Tgt Ion:164 Resp: 500706

Ion Ratio Lower Upper

164 100

162 98.8 80.2 120.2

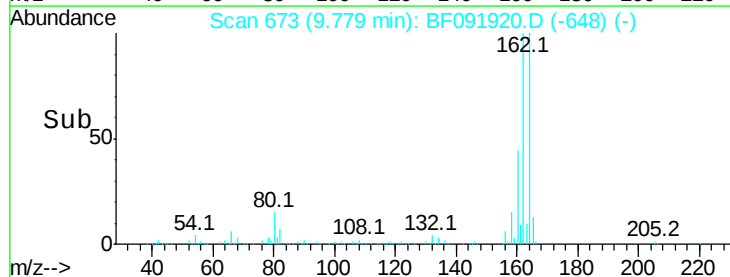
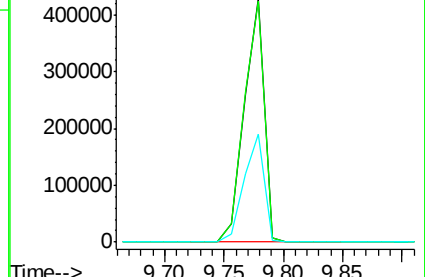
160 44.1 36.9 55.3

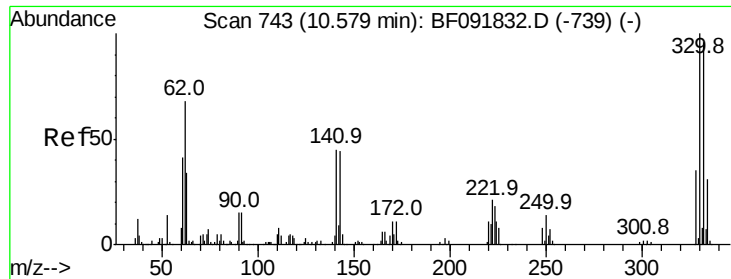


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

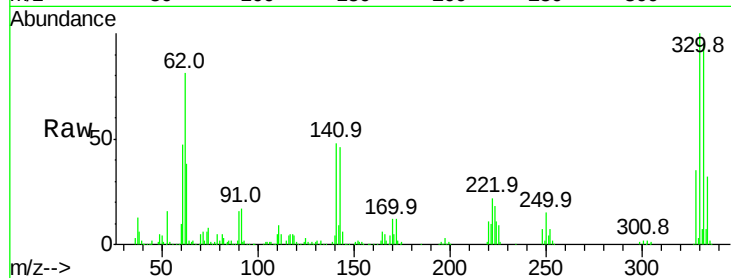




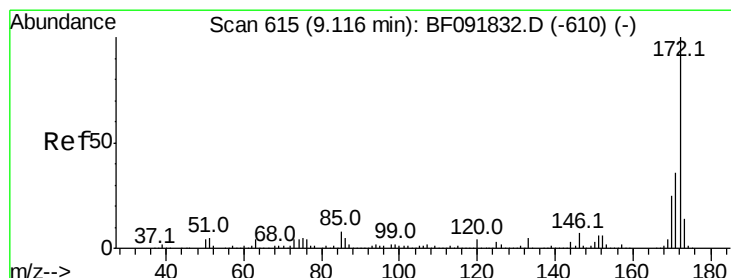
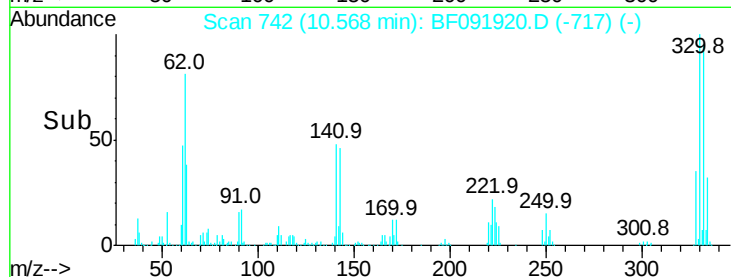
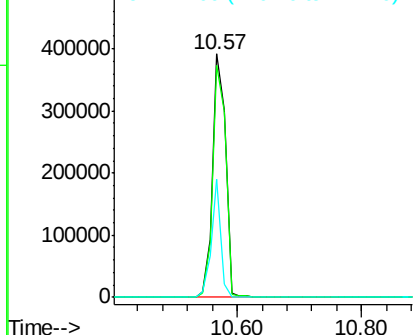
#41
 2,4,6-Tribromophenol
 Concen: 134.98 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.01 min
 Lab File: BF091920.D
 Acq: 23 Dec 2016 13:41

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612

Tot Ion:330 Resp: 559301
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.4 116.2
 141 35.4 34.1 51.1

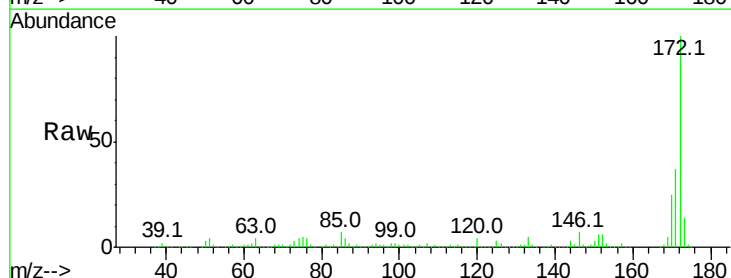


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

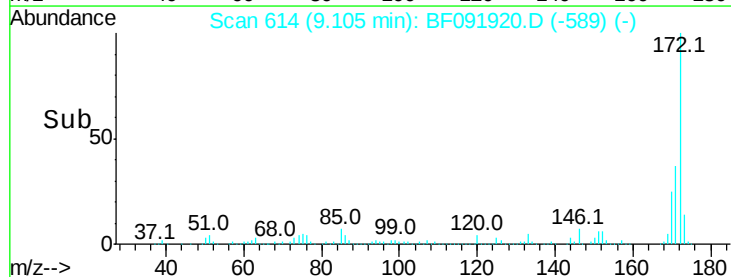
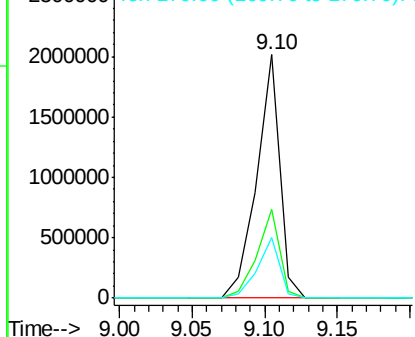


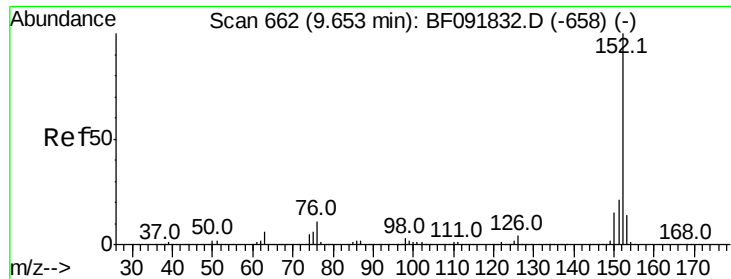
#44
 2-Fluorobiphenyl
 Concen: 91.96 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF091920.D
 Acq: 23 Dec 2016 13:41

Tgt Ion:172 Resp: 2221375
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.0
 170 24.7 20.2 30.4



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





#48

Acenaphthylene

Concen: 2.26 ng

RT: 9.63 min Scan# 660

Delta R.T. -0.02 min

Lab File: BF091920.D

Acq: 23 Dec 2016 13:41

Instrument :

BNA_F

ClientSampleId :

WC-201612

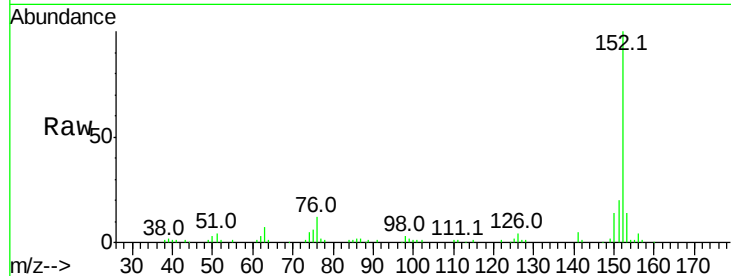
Tot Ion:152 Resp: 94355

Ion Ratio Lower Upper

152 100

151 19.6 16.9 25.3

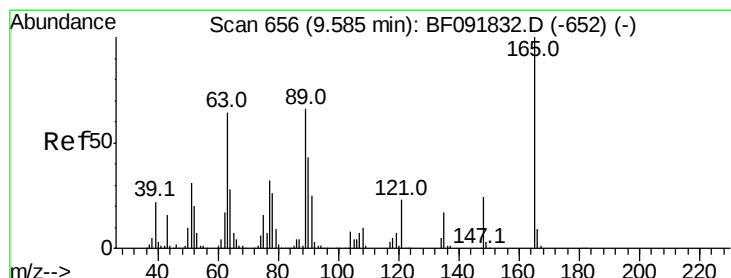
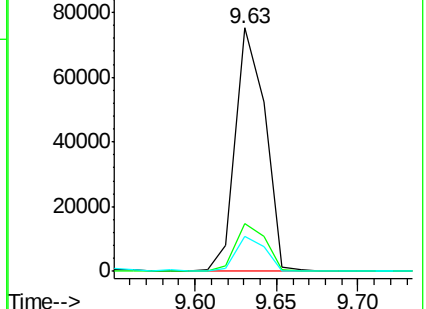
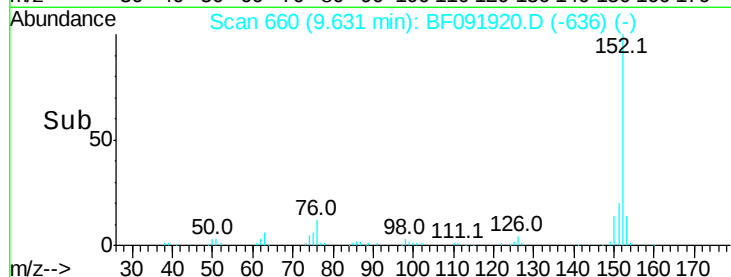
153 14.3 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 9.32 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.19 min

Lab File: BF091920.D

Acq: 23 Dec 2016 13:41

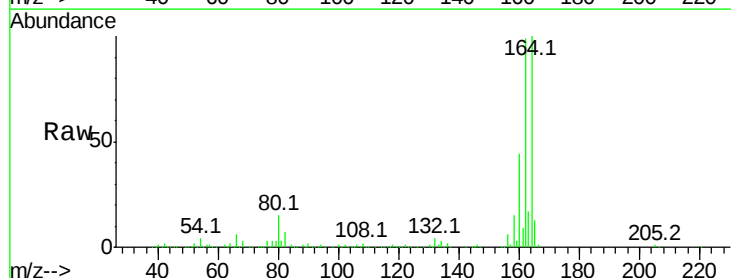
Tgt Ion:165 Resp: 65308

Ion Ratio Lower Upper

165 100

63 1.1 36.2 54.4#

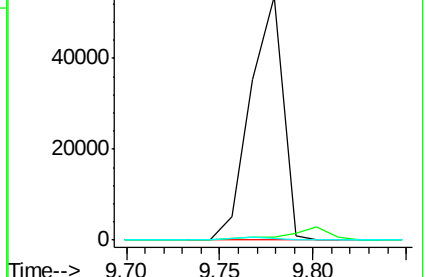
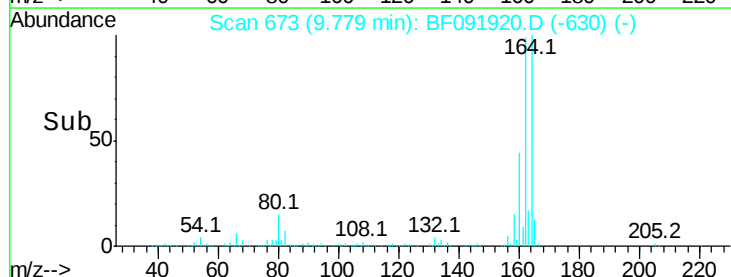
89 0.7 40.2 60.4#

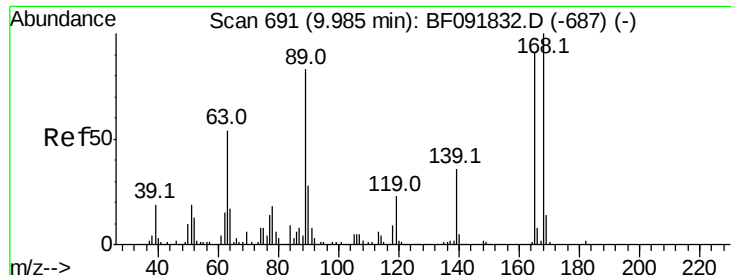


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 7.42 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.21 min

Lab File: BF091920.D

Acq: 23 Dec 2016 13:41

Instrument :

BNA_F

ClientSampleId :

WC-201612

Tot Ion:165 Resp: 65308

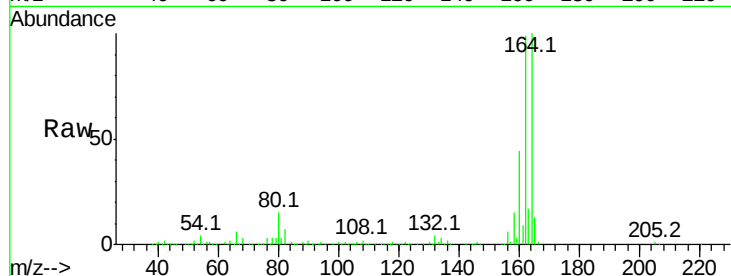
Ion Ratio Lower Upper

165 100

63 1.1 40.2 60.4#

89 0.7 62.5 93.7#

182 0.0 1.8 2.8#

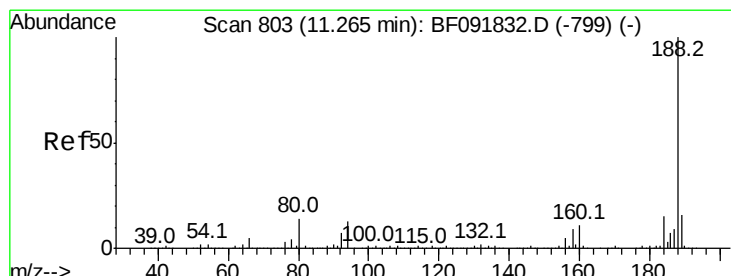
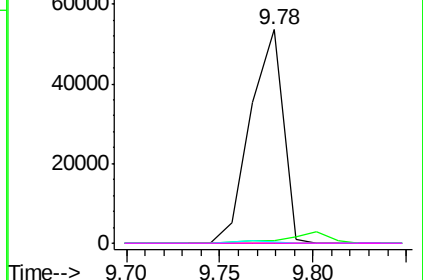
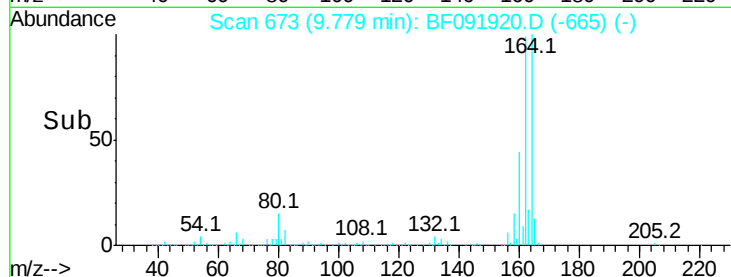


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.25 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF091920.D

Acq: 23 Dec 2016 13:41

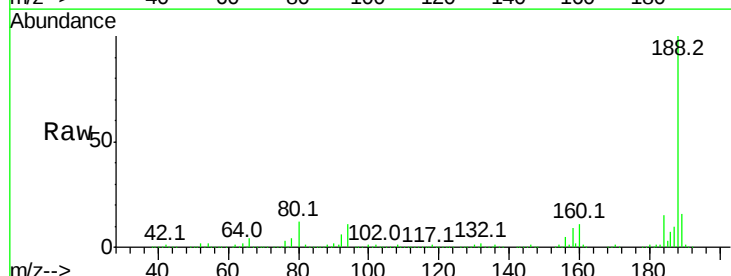
Tgt Ion:188 Resp: 780201

Ion Ratio Lower Upper

188 100

94 11.3 10.0 15.0

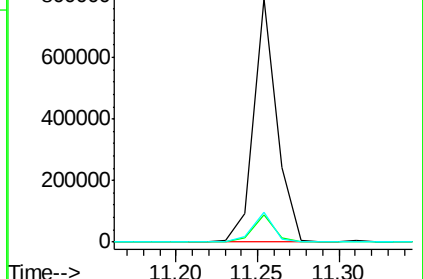
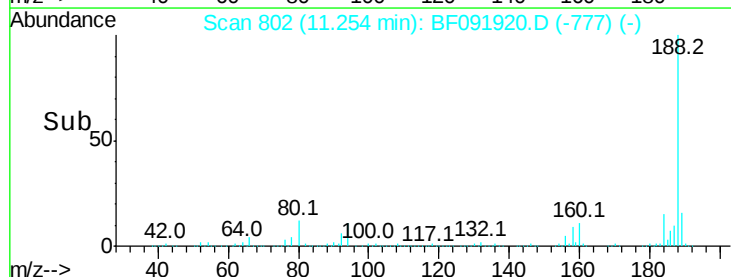
80 12.3 11.2 16.8

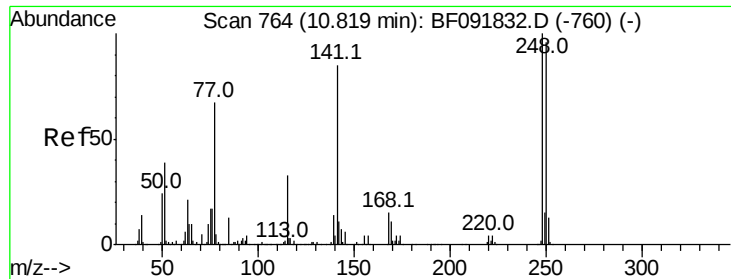


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

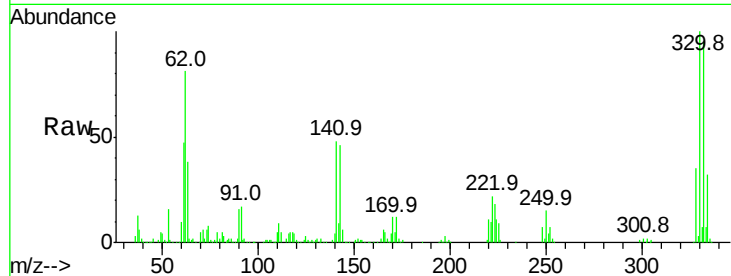




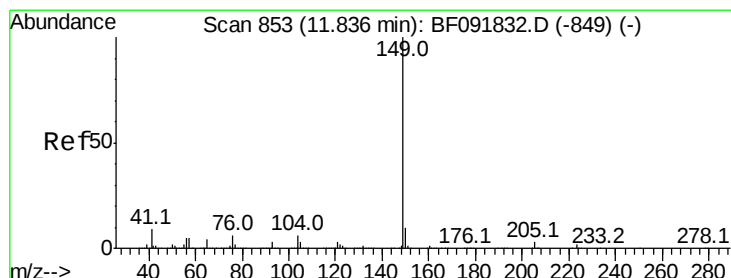
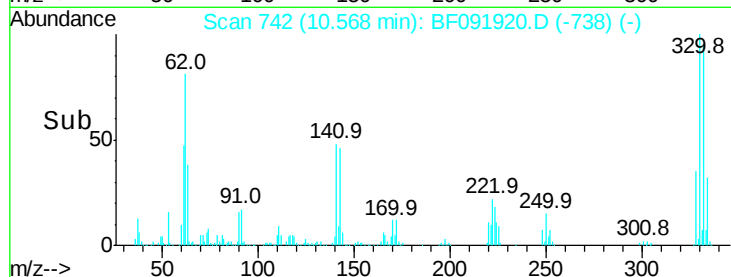
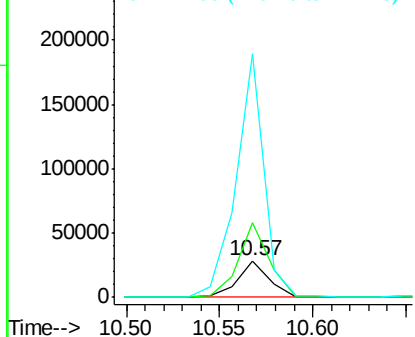
#66
4-Bromophenyl-phenylether
Concen: 4.10 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.25 min
Lab File: BF091920.D
Acq: 23 Dec 2016 13:41

Instrument :
BNA_F
ClientSampleId :
WC-201612

Tot Ion:248 Resp: 33296
Ion Ratio Lower Upper
248 100
250 203.9 76.9 115.3#
141 670.4 68.2 102.4#

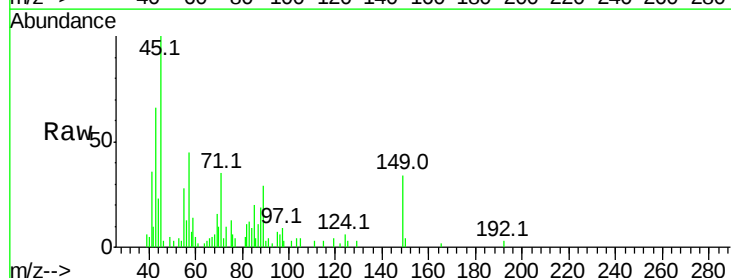


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

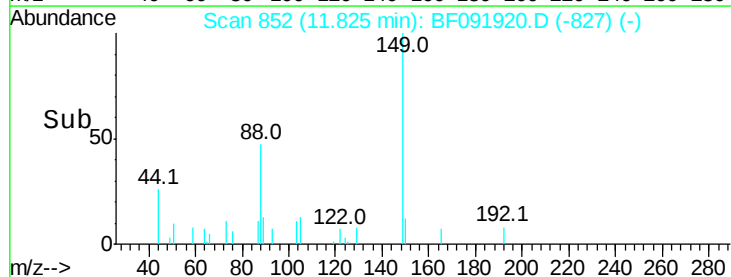
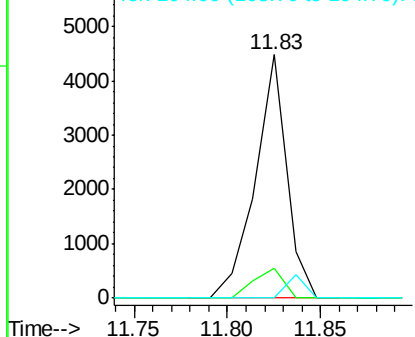


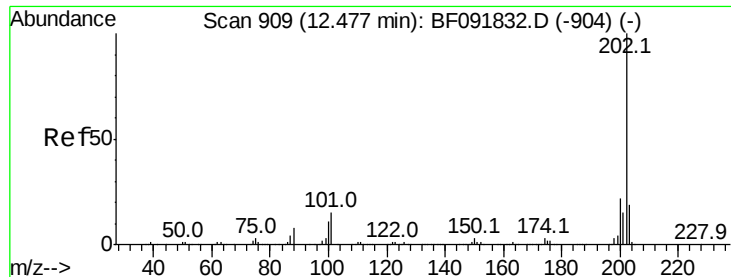
#73
Di-n-butylphthalate
Concen: Below Cal
RT: 11.83 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF091920.D
Acq: 23 Dec 2016 13:41

Tgt Ion:149 Resp: 5223
Ion Ratio Lower Upper
149 100
150 12.0 8.1 12.1
104 0.0 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 12.47 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF091920.D

Acq: 23 Dec 2016 13:41

Instrument :

BNA_F

ClientSampled :

WC-201612

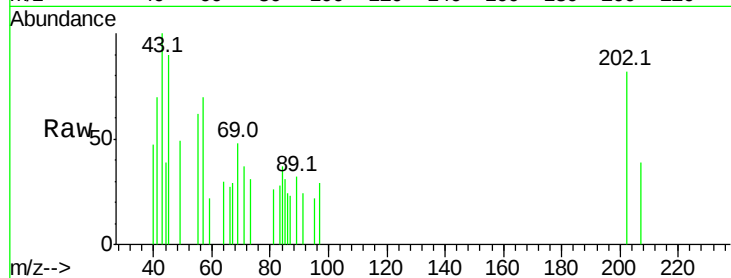
Tot Ion:202 Resp: 1238

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

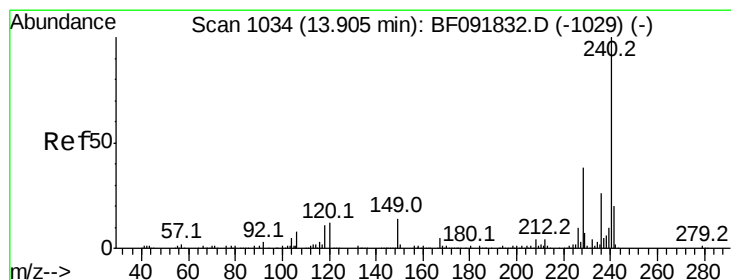
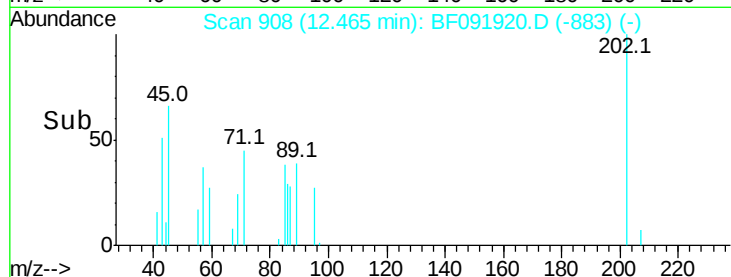
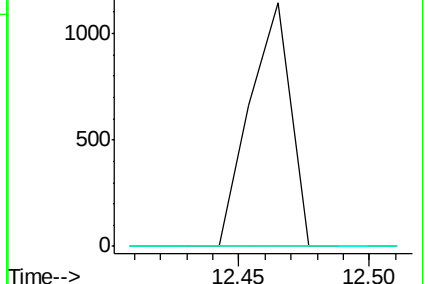
203 0.0 0.0 38.7



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: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF091920.D

Acq: 23 Dec 2016 13:41

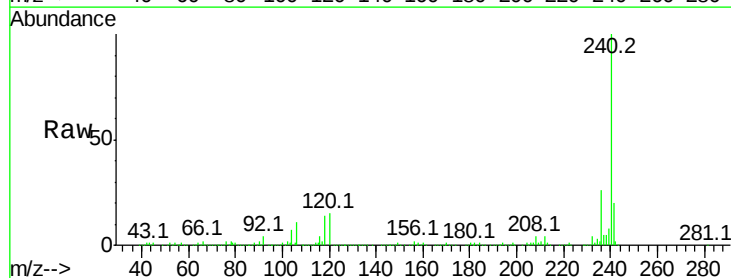
Tgt Ion:240 Resp: 641848

Ion Ratio Lower Upper

240 100

120 15.4 12.9 19.3

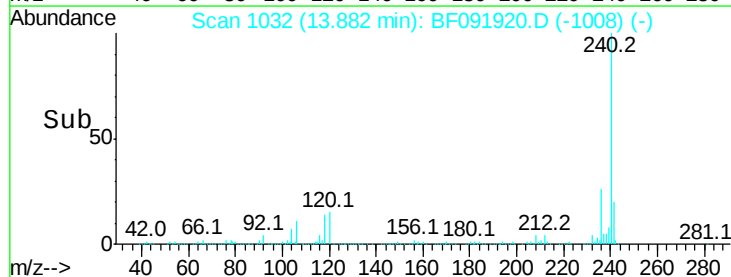
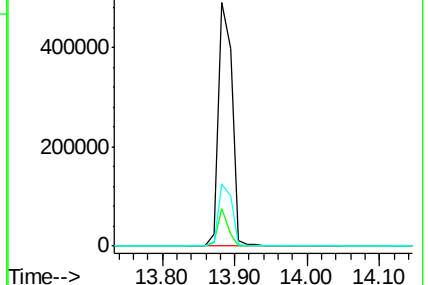
236 25.6 20.9 31.3

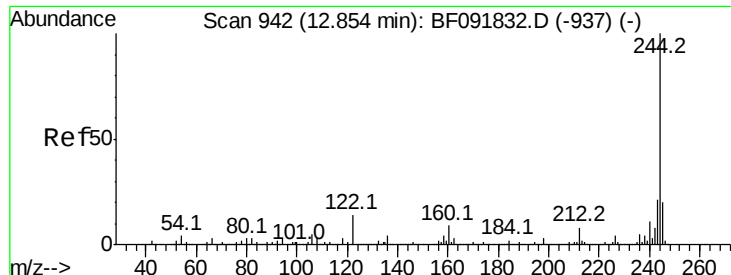


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

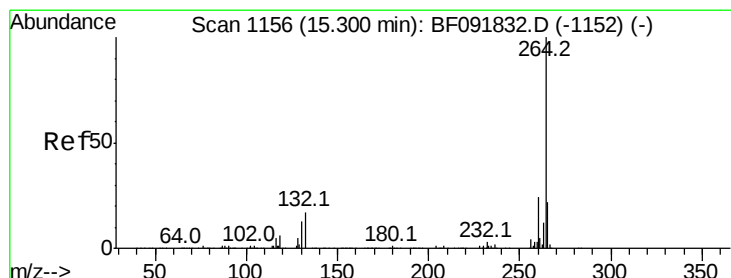
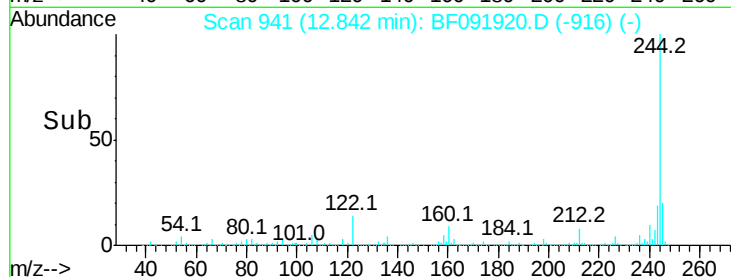
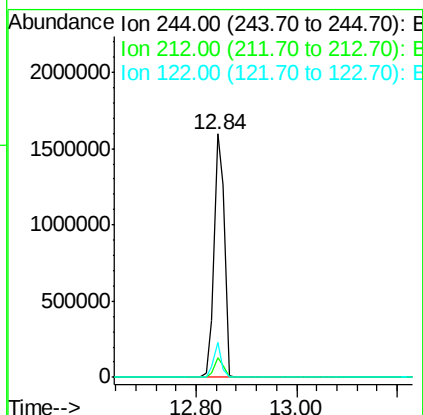
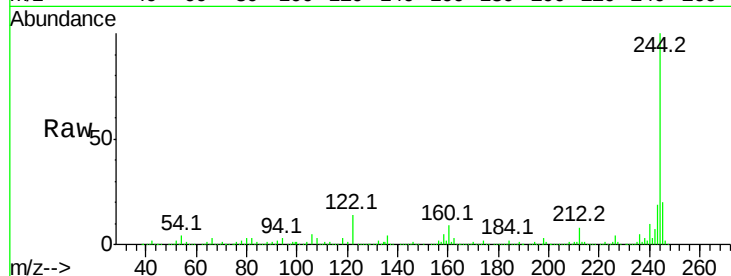




#78
 Terphenyl-d14
 Concen: 85.14 ng
 RT: 12.84 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BF091920.D
 Acq: 23 Dec 2016 13:41

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612

Tot Ion:244 Resp: 2253163
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.2
 122 14.5 11.4 17.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF091920.D
 Acq: 23 Dec 2016 13:41

Tgt Ion:264 Resp: 501362
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 20.7 17.4 26.0

