

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121516\
 Data File : BF091655.D
 Acq On : 16 Dec 2016 5:11
 Operator : UM/SJ
 Sample : PB95362TB
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB95362TB

Quant Time: Dec 16 05:39:54 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

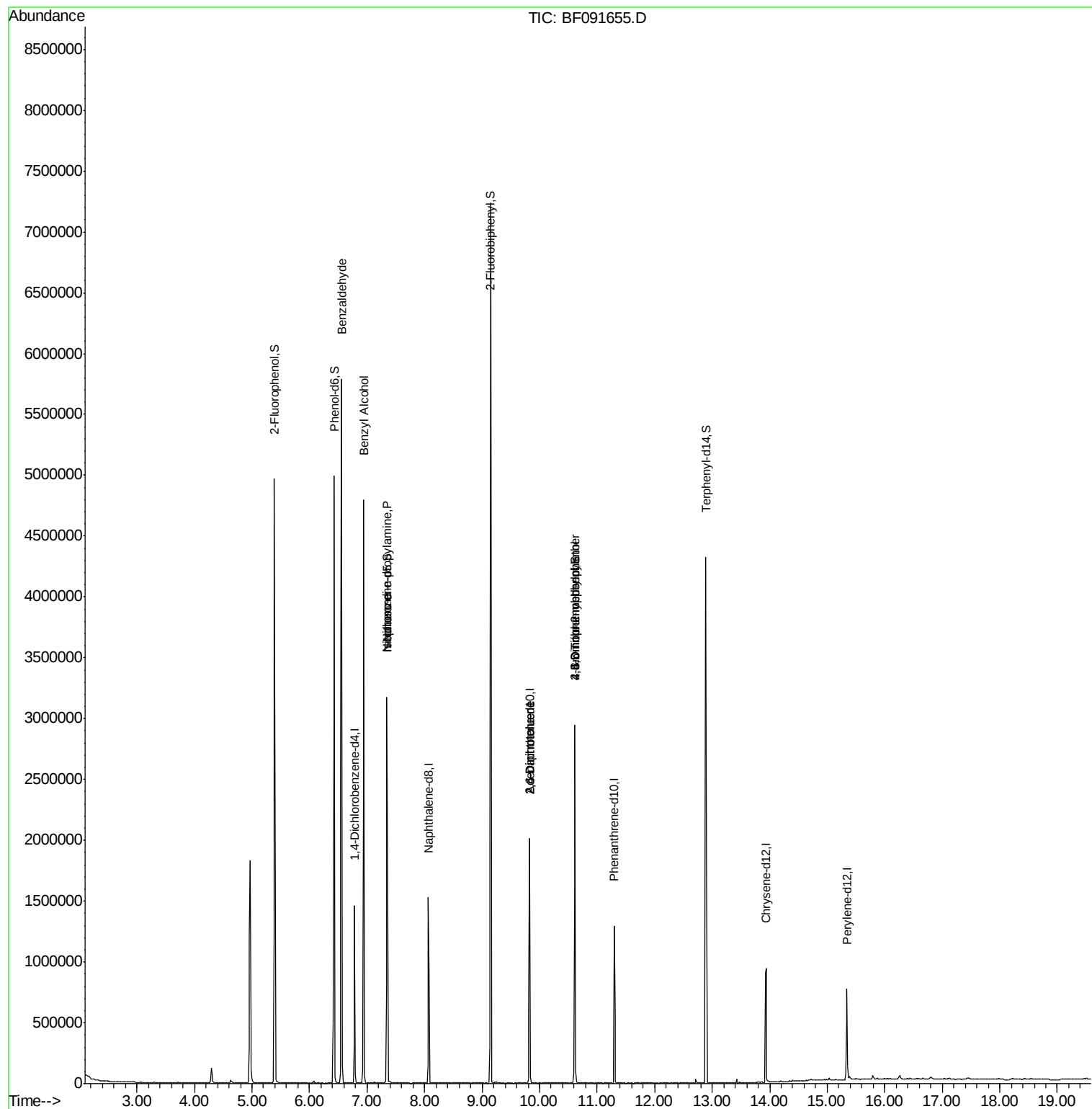
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	214240	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	920492	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	442502	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	520166	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	486934	20.00	ng	0.00
86) Perylene-d12	15.35	264	357083	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1705708	134.13	ng	0.01
7) Phenol-d6	6.43	99	1956667	123.42	ng	0.00
23) Nitrobenzene-d5	7.34	82	1456258	88.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	395140	107.51	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2214594	86.48	ng	0.00
78) Terphenyl-d14	12.89	244	1511031	70.42	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.56	77	43053	3.95	ng	Qvalue 87
15) Benzyl Alcohol	6.94	79	25107	2.01	ng	# 29
19) n-Nitroso-di-n-propylamine	7.34	70	189540	19.12	ng	# 66
20) 3+4-Methylphenols	6.94	107	318	Below Cal	#	1
25) Isophorone	7.34	82	1254725	42.80	ng	# 67
50) 2,6-Dinitrotoluene	9.82	165	57283	9.31	ng	# 16
56) 2,4-Dinitrotoluene	9.82	165	57283	7.43	ng	# 33
57) Fluorene	10.61	166	20405	Below Cal	#	90
64) 4,6-Dinitro-2-methylphenol	10.61	198	987	3.24	ng	# 63
66) 4-Bromophenyl-phenylether	10.61	248	27810	5.21	ng	# 1

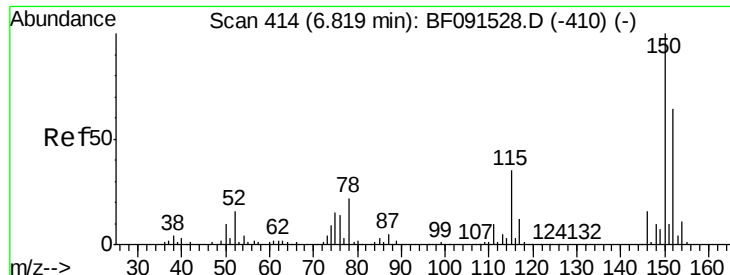
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF091655.D

Acq: 16 Dec 2016 5:11

Instrument :

BNA_F

ClientSampleId :

PB95362TB

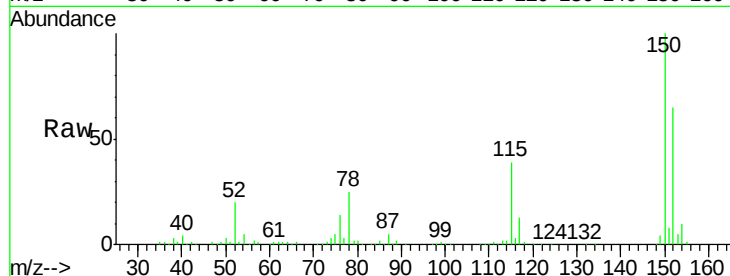
Tgt Ion:152 Resp: 214240

Ion Ratio Lower Upper

152 100

150 153.7 122.5 183.7

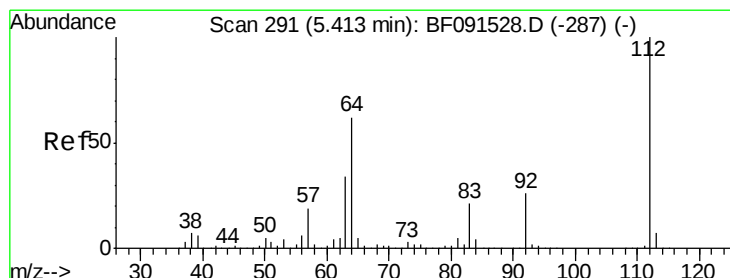
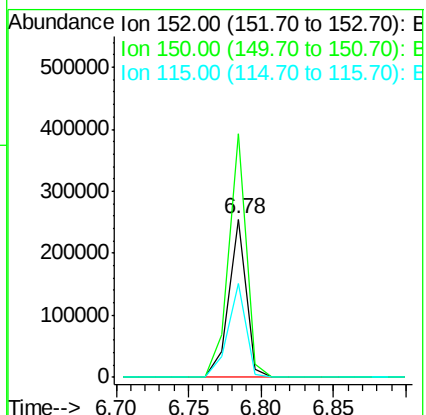
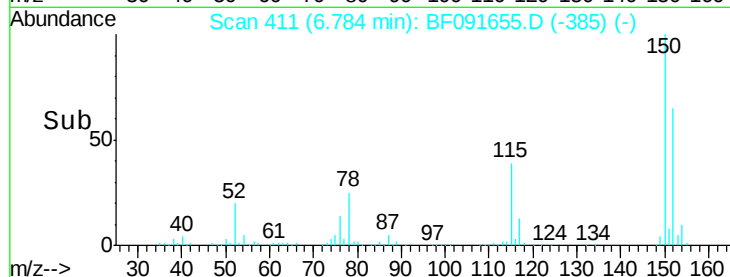
115 59.6 51.8 77.8



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: 134.13 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF091655.D

Acq: 16 Dec 2016 5:11

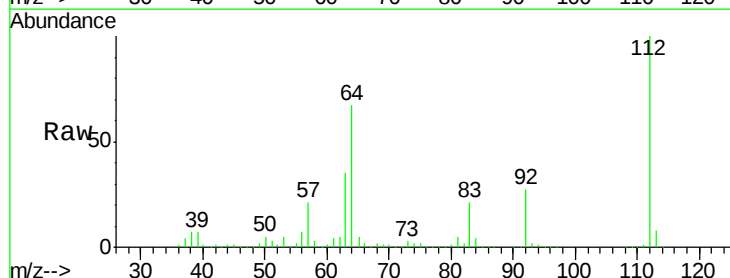
Tgt Ion:112 Resp: 1705708

Ion Ratio Lower Upper

112 100

64 66.6 61.5 92.3

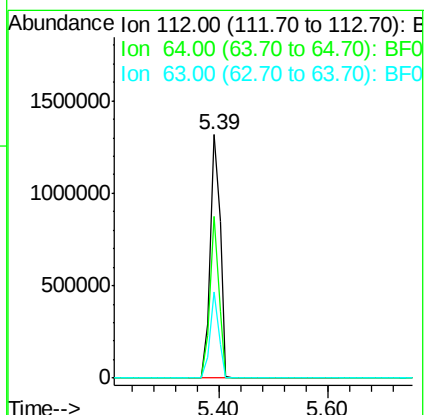
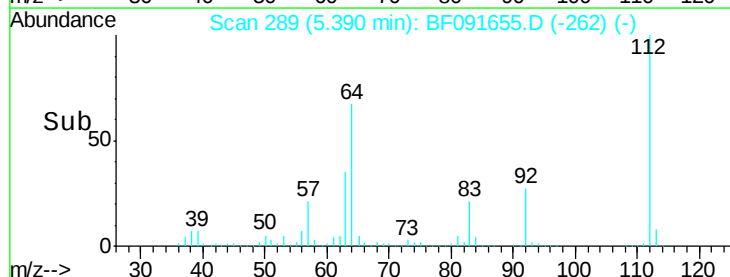
63 35.3 33.3 49.9



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: 123.42 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF091655.D

Acq: 16 Dec 2016 5:11

Instrument :

BNA_F

ClientSampleId :

PB95362TB

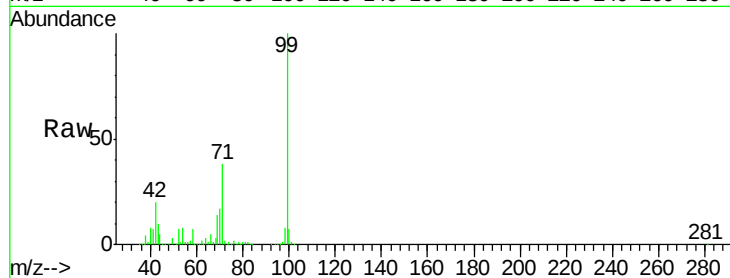
Tgt Ion: 99 Resp: 1956667

Ion Ratio Lower Upper

99 100

42 20.5 20.6 31.0#

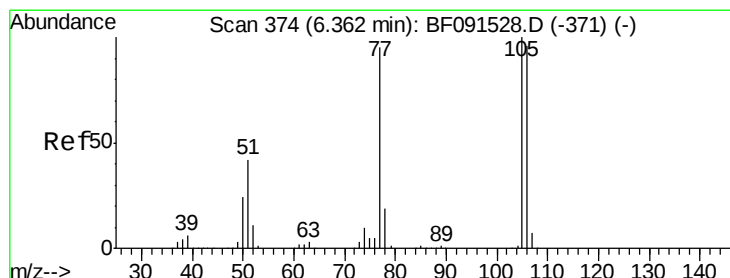
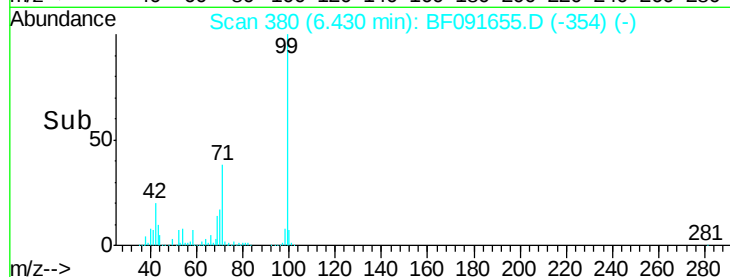
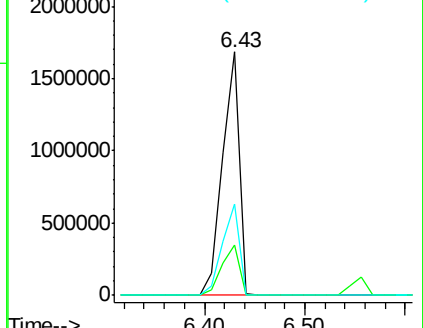
71 37.5 29.9 44.9



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.95 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.23 min

Lab File: BF091655.D

Acq: 16 Dec 2016 5:11

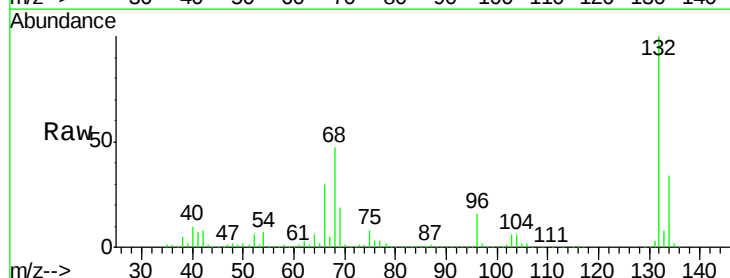
Tgt Ion: 77 Resp: 43053

Ion Ratio Lower Upper

77 100

105 76.8 66.4 106.4

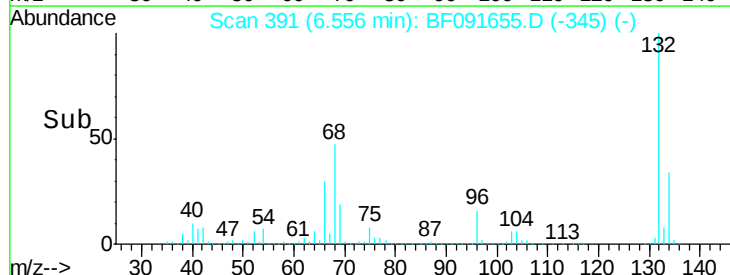
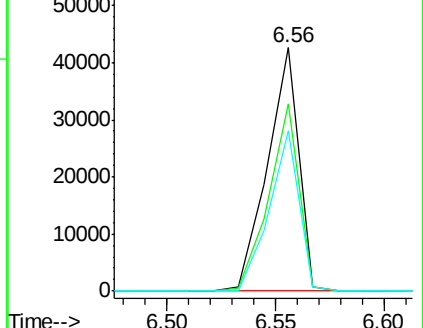
106 66.0 60.9 100.9

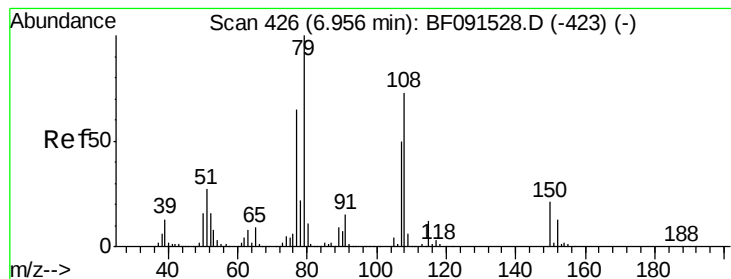


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 6.94 min Scan# 425

Delta R.T. 0.01 min

Lab File: BF091655.D

Acq: 16 Dec 2016 5:11

Instrument :

BNA_F

ClientSampleId :

PB95362TB

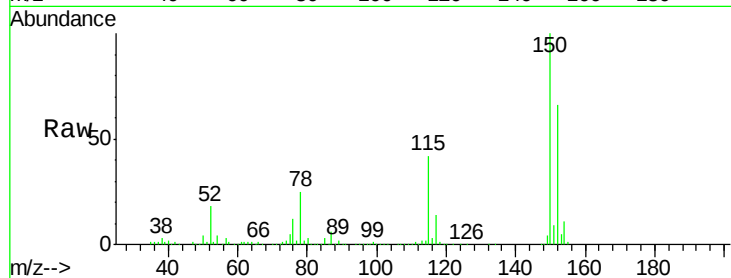
Tgt Ion: 79 Resp: 25107

Ion Ratio Lower Upper

79 100

108 30.0 62.7 94.1#

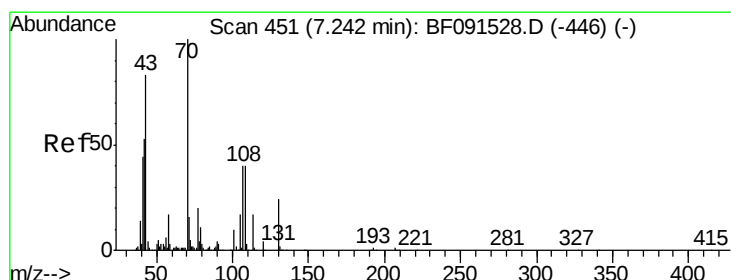
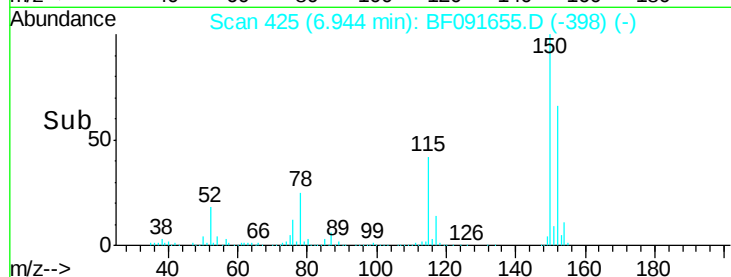
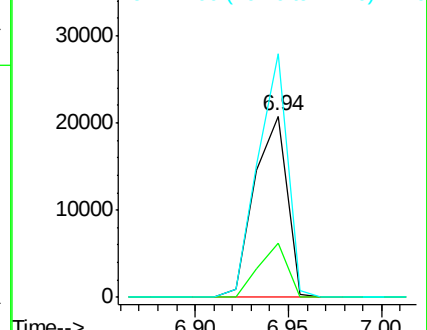
77 134.5 51.7 77.5#



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: 19.12 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.14 min

Lab File: BF091655.D

Acq: 16 Dec 2016 5:11

Tgt Ion: 70 Resp: 189540

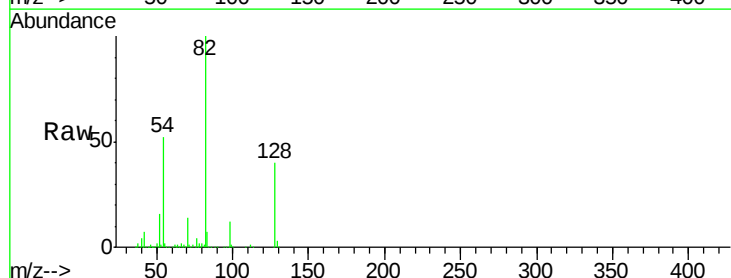
Ion Ratio Lower Upper

70 100

42 49.6 64.8 97.2#

101 0.0 6.2 9.4#

130 1.9 11.7 17.5#

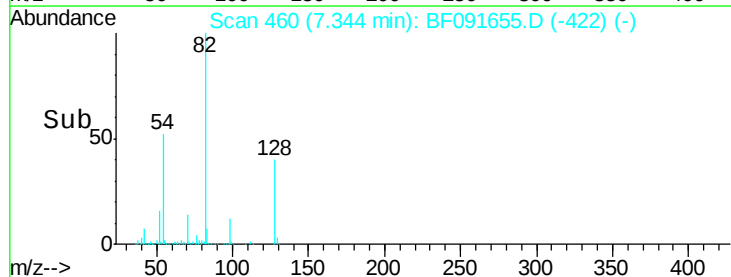
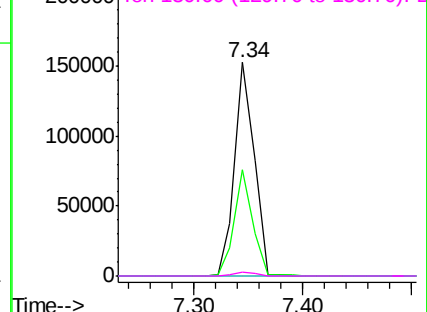


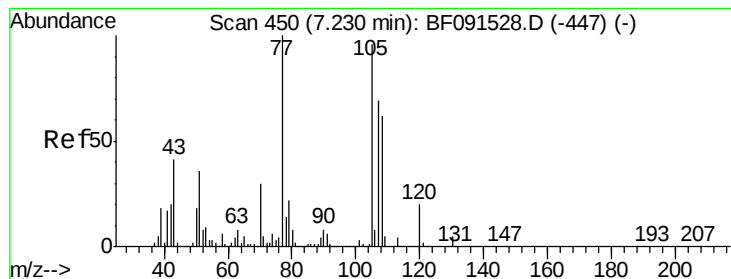
Abundance Ion 70.00 (69.70 to 70.70): BF0

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





#20

3+4-Methylphenols

Concen: Below Cal

RT: 6.94 min Scan# 425

Delta R.T. -0.26 min

Lab File: BF091655.D

Acq: 16 Dec 2016 5:11

Instrument :

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ClientSampleId :

PB95362TB

Tgt Ion:107 Resp: 318

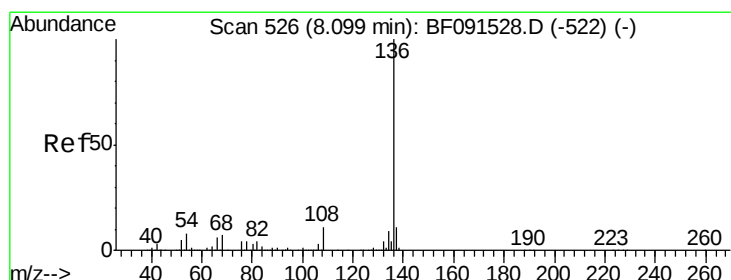
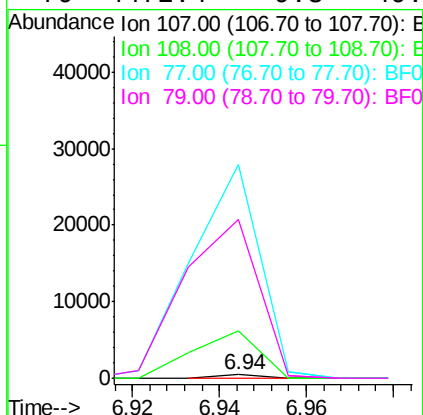
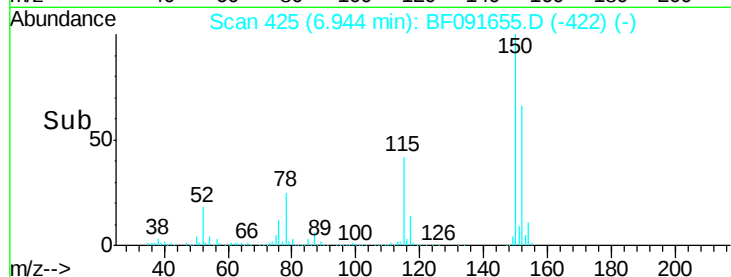
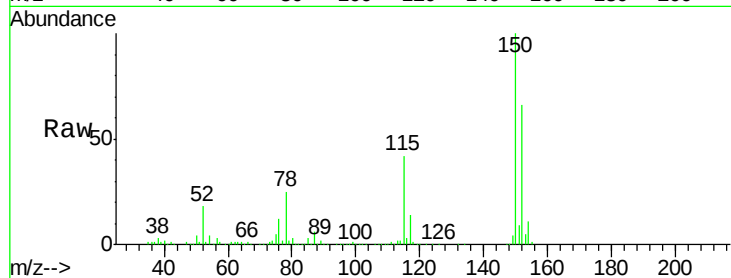
Ion Ratio Lower Upper

107 100

108 1342.0 64.6 104.6#

77 6013.8 30.9 70.9#

79 4472.4 9.3 49.3#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF091655.D

Acq: 16 Dec 2016 5:11

Tgt Ion:136 Resp: 920492

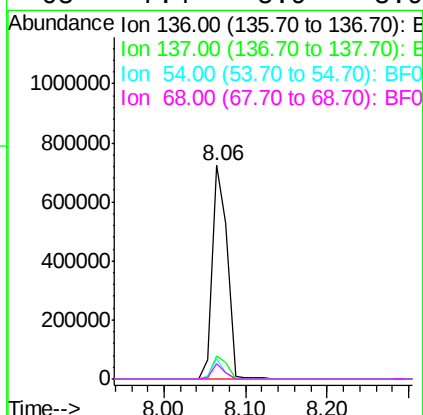
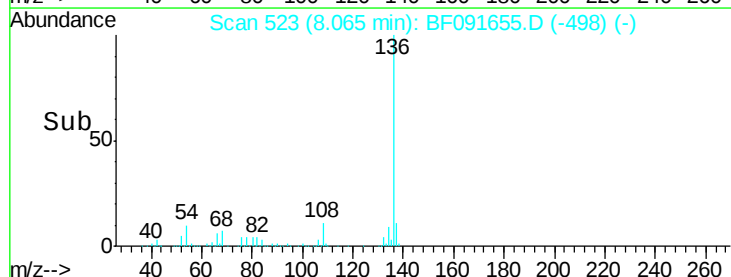
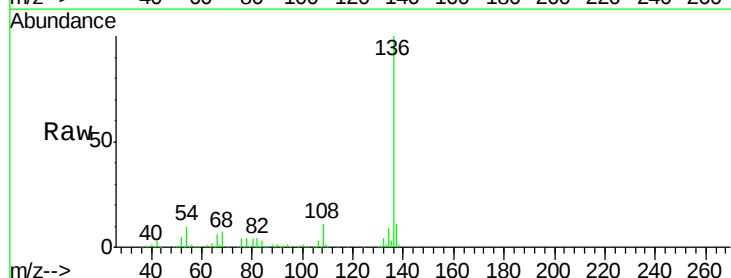
Ion Ratio Lower Upper

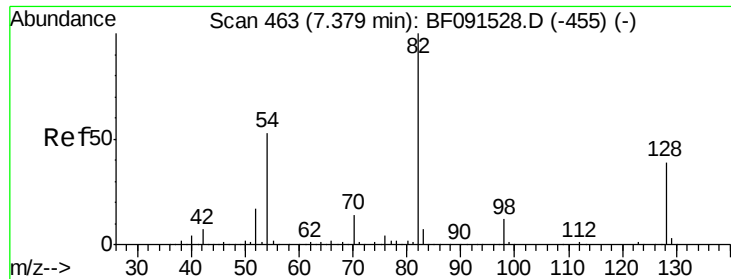
136 100

137 11.0 9.1 13.7

54 9.9 9.1 13.7

68 7.4 5.9 8.9

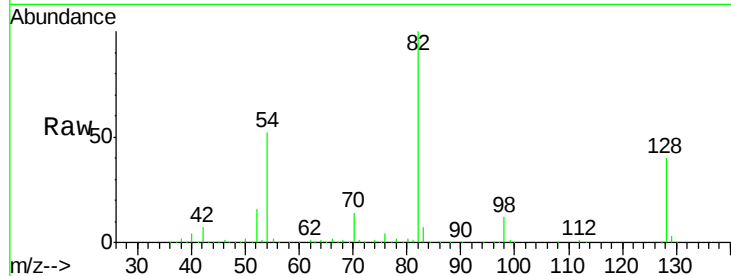




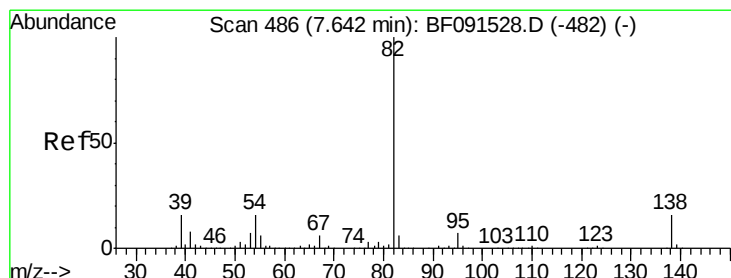
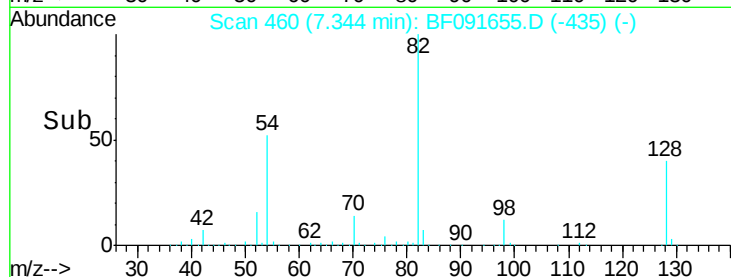
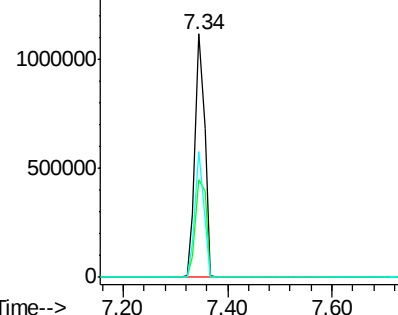
#23
 Nitrobenzene-d5
 Concen: 88.30 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF091655.D
 Acq: 16 Dec 2016 5:11

Instrument :
 BNA_F
 ClientSampleID :
 PB95362TB

Tgt Ion: 82 Resp: 1456258
 Ion Ratio Lower Upper
 82 100
 128 39.9 31.8 47.6
 54 51.8 49.1 73.7

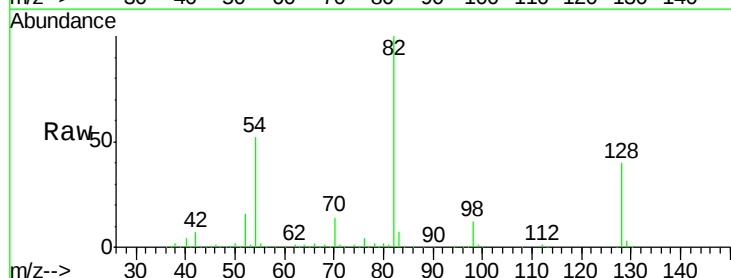


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

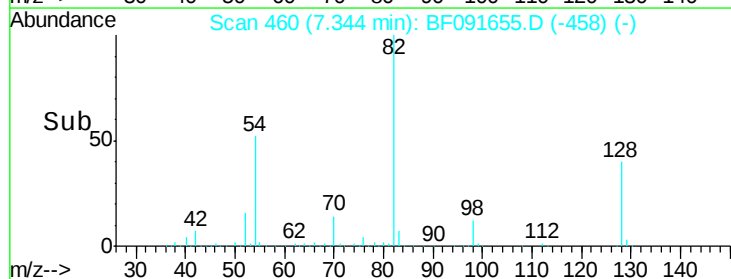
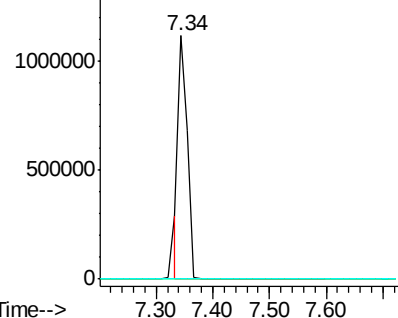


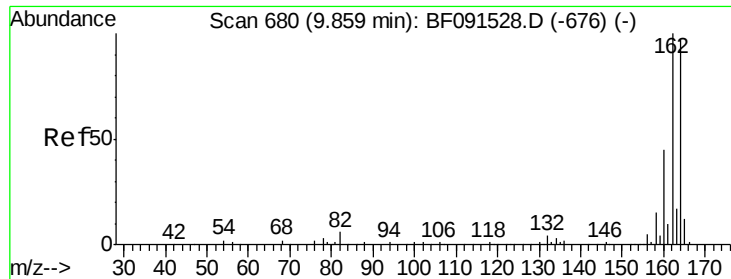
#25
 Isophorone
 Concen: 42.80 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.27 min
 Lab File: BF091655.D
 Acq: 16 Dec 2016 5:11

Tgt Ion: 82 Resp: 1254725
 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

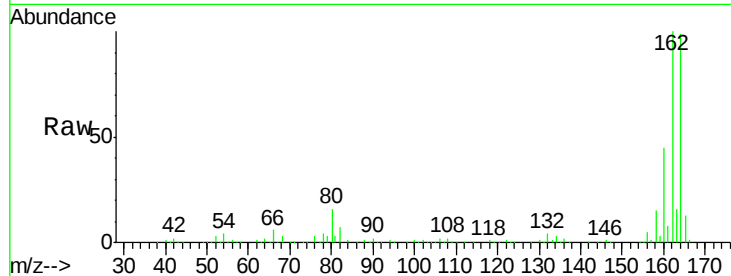




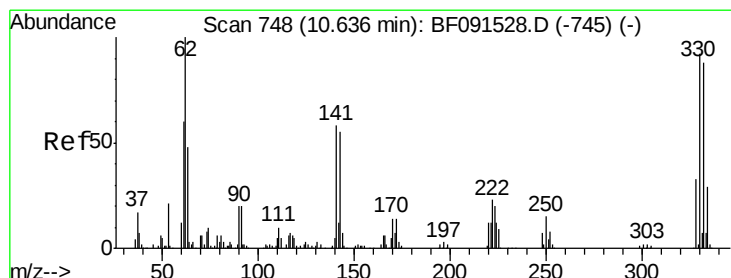
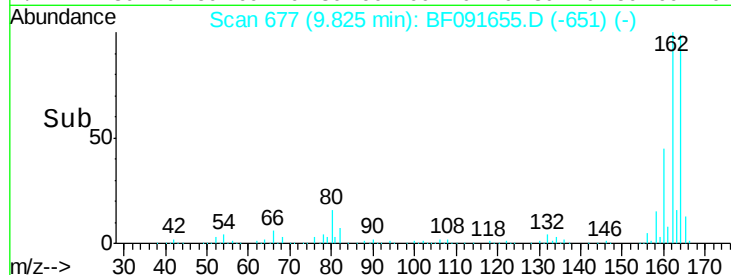
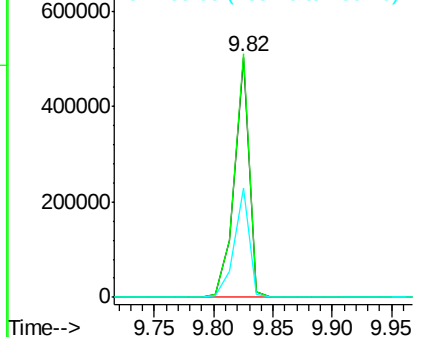
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: BF091655.D
 Acq: 16 Dec 2016 5:11

Instrument :
 BNA_F
 ClientSampleId :
 PB95362TB

Tgt Ion:164 Resp: 442502
 Ion Ratio Lower Upper
 164 100
 162 101.3 82.6 124.0
 160 45.6 36.7 55.1

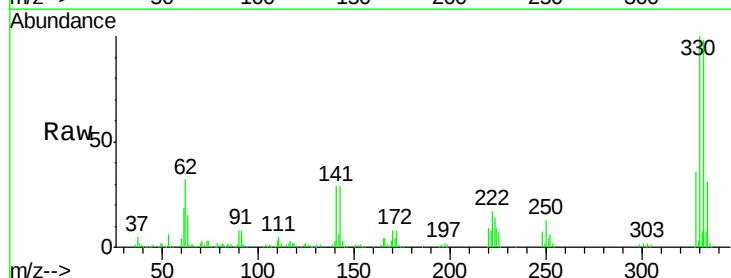


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

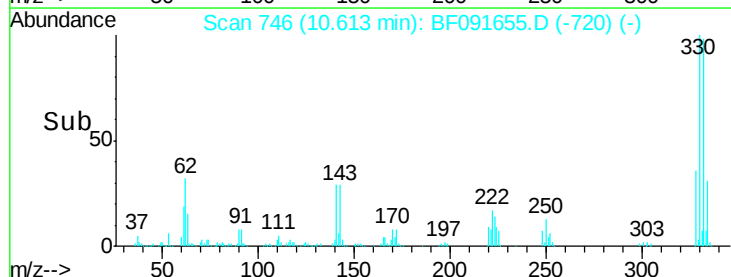
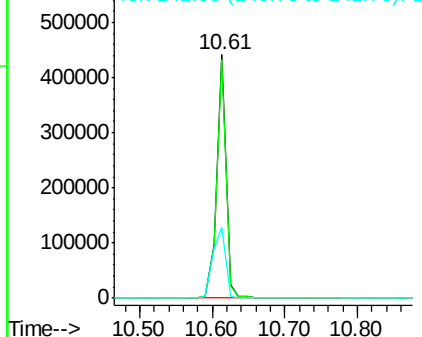


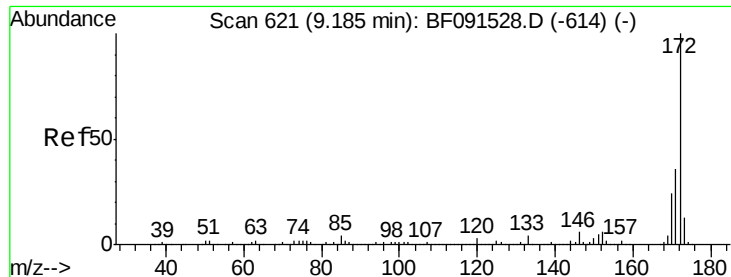
#41
 2,4,6-Tribromophenol
 Concen: 107.51 ng
 RT: 10.61 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: BF091655.D
 Acq: 16 Dec 2016 5:11

Tgt Ion:330 Resp: 395140
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.2 114.4
 141 39.3 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

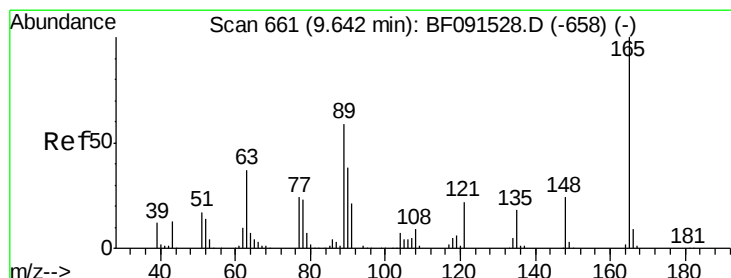
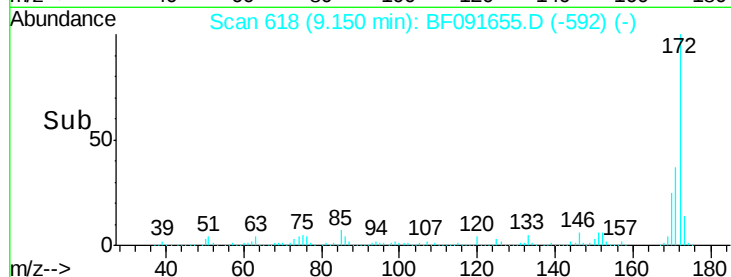
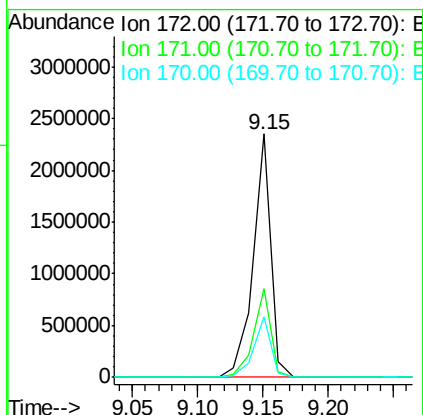
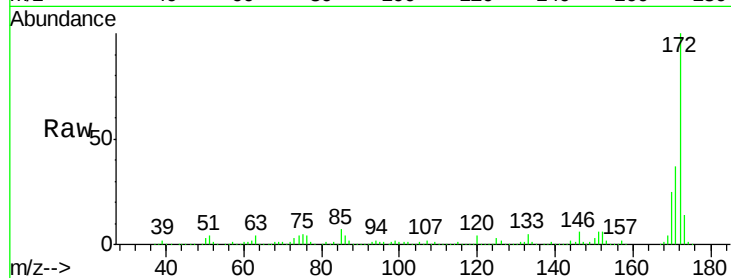




#44
 2-Fluorobiphenyl
 Concen: 86.48 ng
 RT: 9.15 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: BF091655.D
 Acq: 16 Dec 2016 5:11

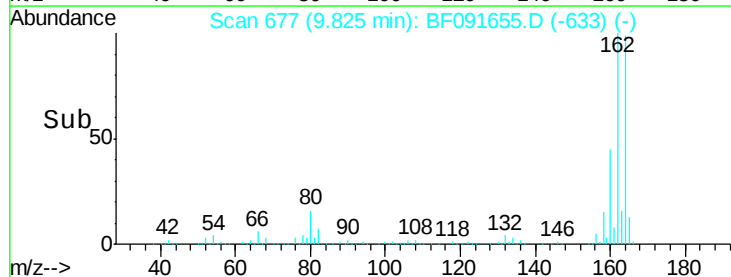
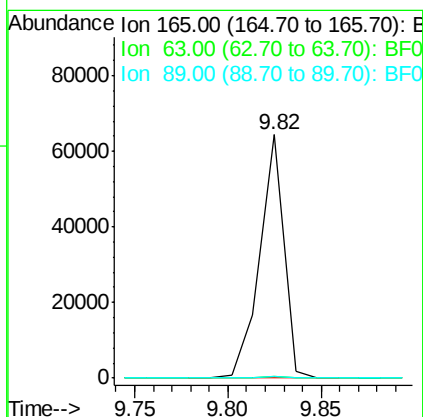
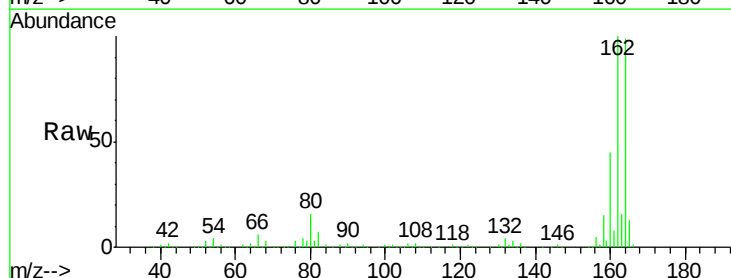
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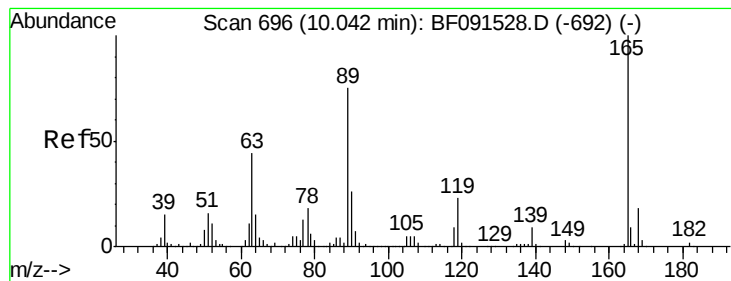
Tgt Ion:172 Resp: 2214594
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.9 19.7 29.5



#50
 2,6-Dinitrotoluene
 Concen: 9.31 ng
 RT: 9.82 min Scan# 677
 Delta R.T. 0.21 min
 Lab File: BF091655.D
 Acq: 16 Dec 2016 5:11

Tgt Ion:165 Resp: 57283
 Ion Ratio Lower Upper
 165 100
 63 0.8 59.4 89.0#
 89 0.8 50.8 76.2#

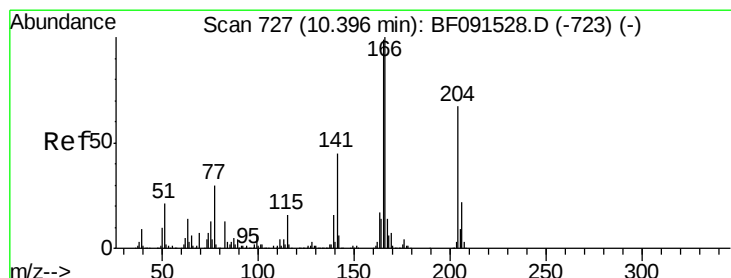
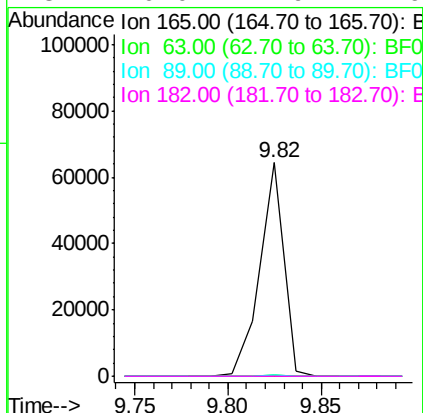
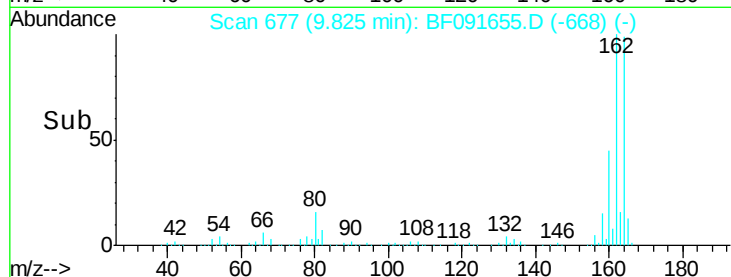
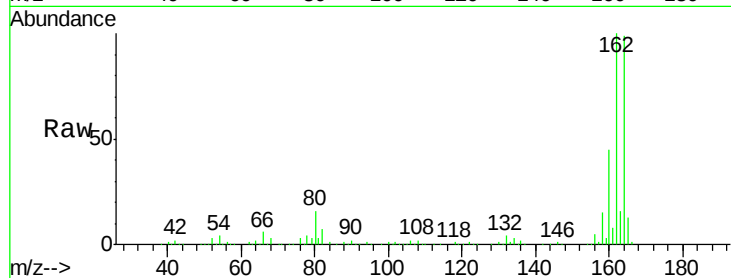




#56
 2,4-Dinitrotoluene
 Concen: 7.43 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.19 min
 Lab File: BF091655.D
 Acq: 16 Dec 2016 5:11

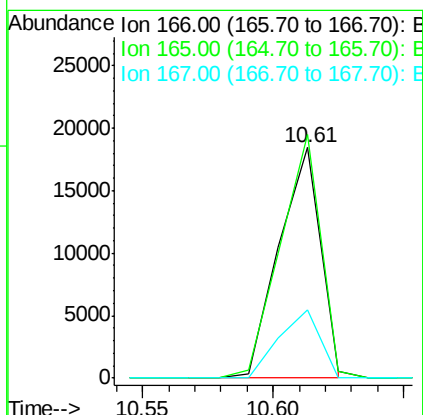
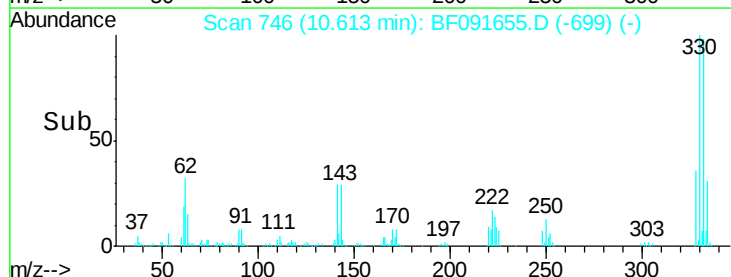
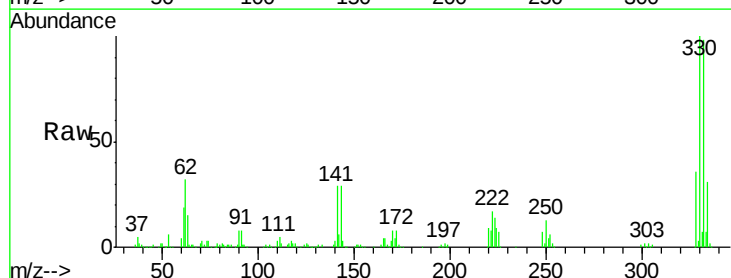
Instrument :
 BNA_F
 ClientSampleId :
 PB95362TB

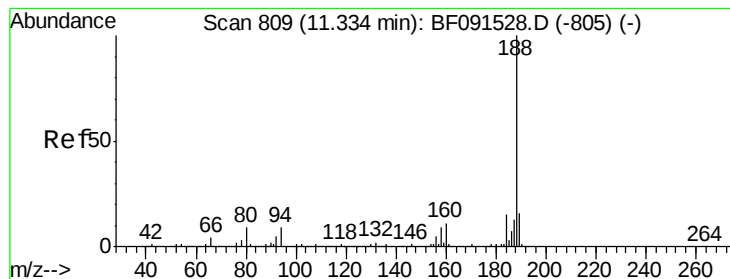
Tgt Ion:	165	Resp:	57283
Ion Ratio	Lower	Upper	
165	100		
63	0.8	29.0	43.4#
89	0.8	43.1	64.7#
182	0.0	1.9	2.9#



#57
 Fluorene
 Concen: Below Cal
 RT: 10.61 min Scan# 746
 Delta R.T. 0.24 min
 Lab File: BF091655.D
 Acq: 16 Dec 2016 5:11

Tgt Ion:	166	Resp:	20405
Ion Ratio	Lower	Upper	
166	100		
165	105.6	80.0	120.0
167	29.5	10.8	16.2#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF091655.D

Acq: 16 Dec 2016 5:11

Instrument :

BNA_F

ClientSampleId :

PB95362TB

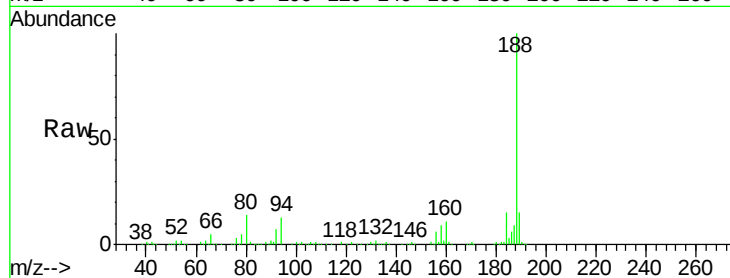
Tgt Ion:188 Resp: 520166

Ion Ratio Lower Upper

188 100

94 12.7 9.2 13.8

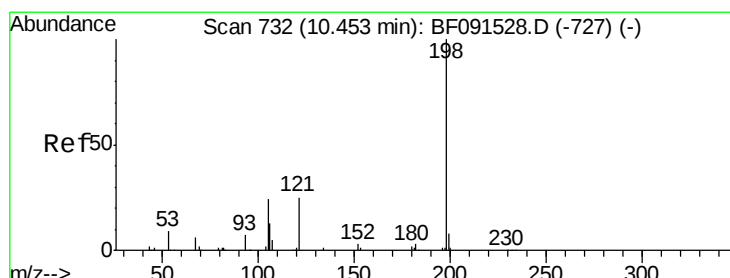
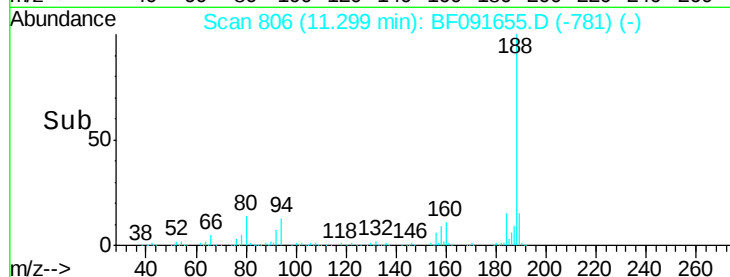
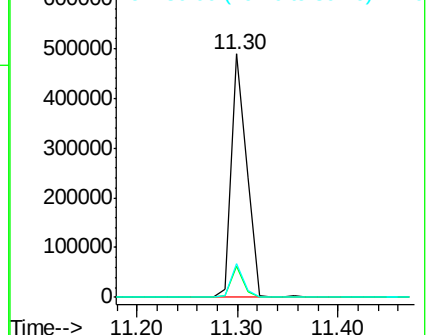
80 14.1 10.5 15.7



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: 3.24 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.18 min

Lab File: BF091655.D

Acq: 16 Dec 2016 5:11

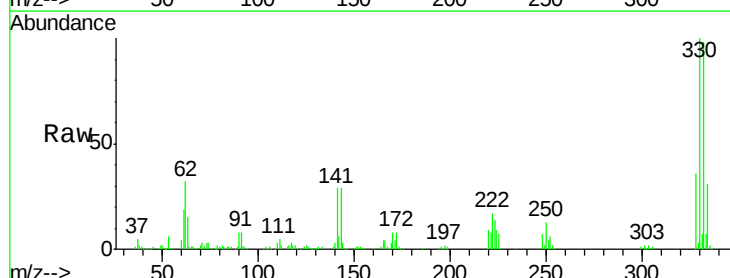
Tgt Ion:198 Resp: 987

Ion Ratio Lower Upper

198 100

51 105.8 77.1 117.1

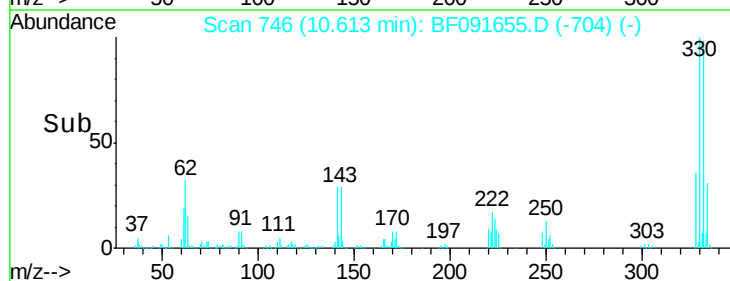
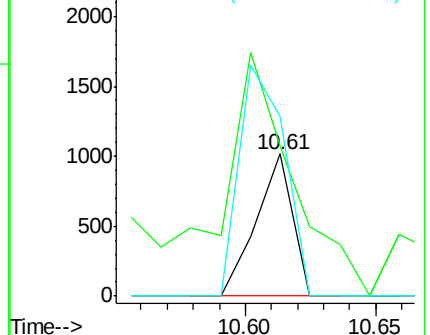
105 126.2 44.8 84.8#

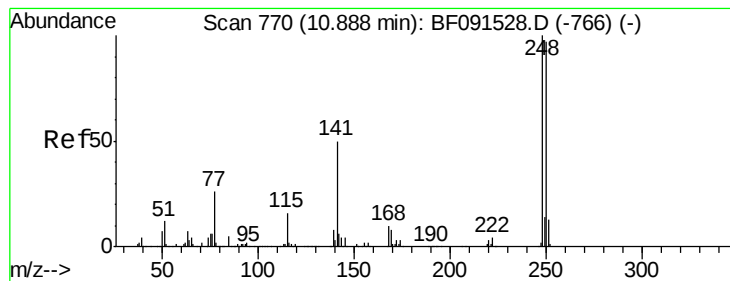


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 5.21 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.24 min

Lab File: BF091655.D

Acq: 16 Dec 2016 5:11

Instrument :

BNA_F

ClientSampleId :

PB95362TB

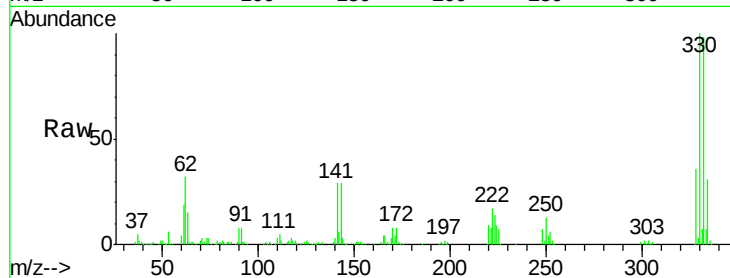
Tgt Ion:248 Resp: 27810

Ion Ratio Lower Upper

248 100

250 191.9 78.2 117.4#

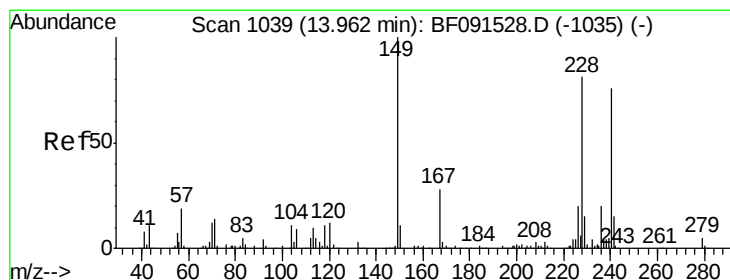
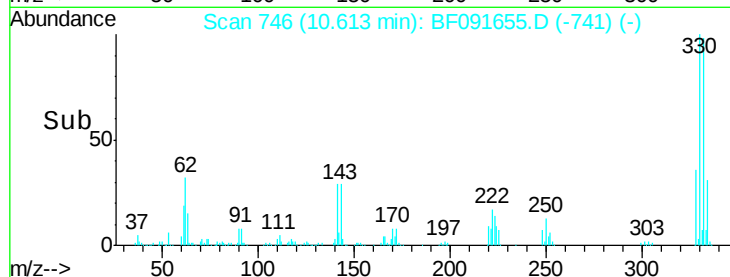
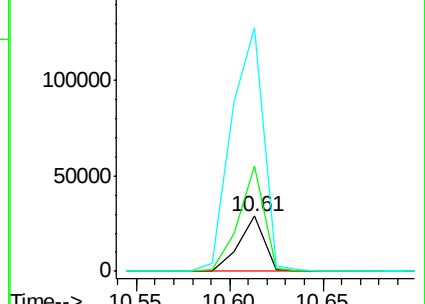
141 443.6 71.9 107.9#



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. 0.00 min

Lab File: BF091655.D

Acq: 16 Dec 2016 5:11

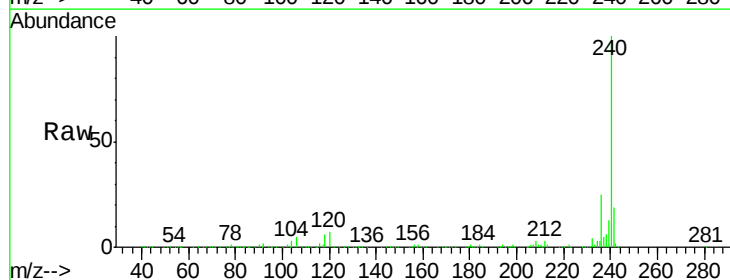
Tgt Ion:240 Resp: 486934

Ion Ratio Lower Upper

240 100

120 7.2 12.1 18.1#

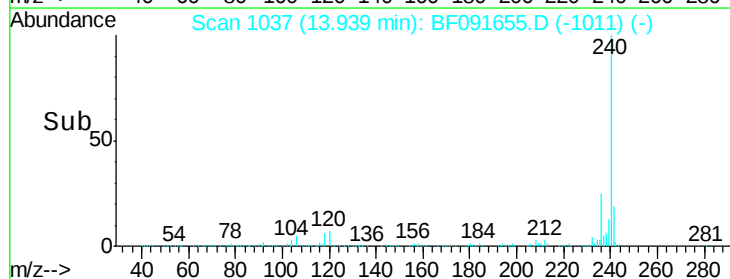
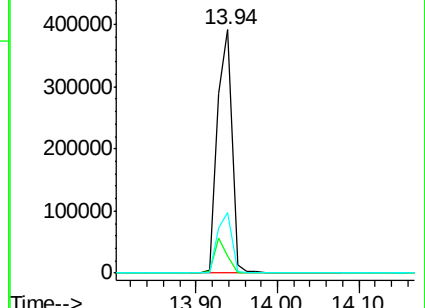
236 24.9 21.0 31.6

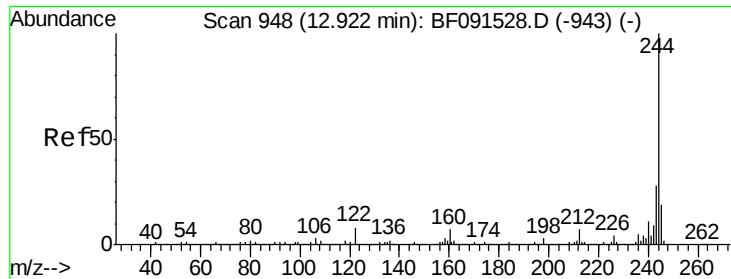


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

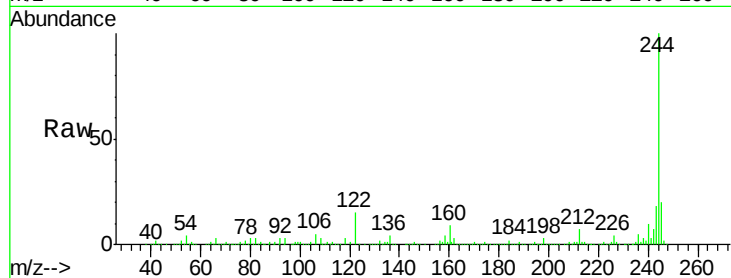




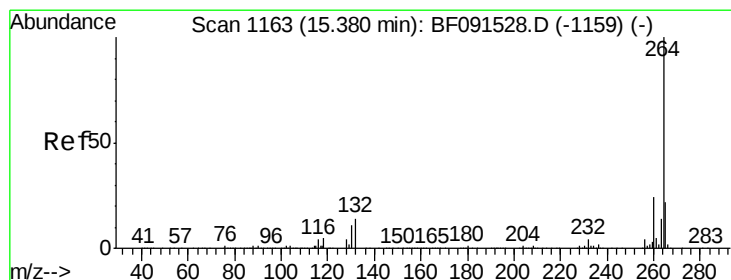
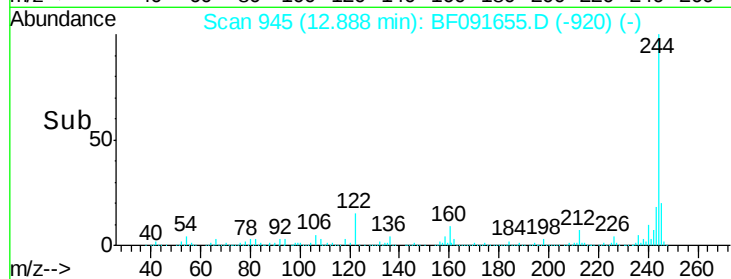
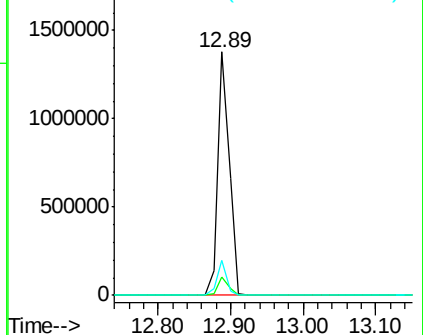
#78
 Terphenyl-d14
 Concen: 70.42 ng
 RT: 12.89 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: BF091655.D
 Acq: 16 Dec 2016 5:11

Instrument :
 BNA_F
 ClientSampleId :
 PB95362TB

Tgt Ion:244 Resp: 1511031
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.5 9.7
 122 14.5 9.5 14.3#

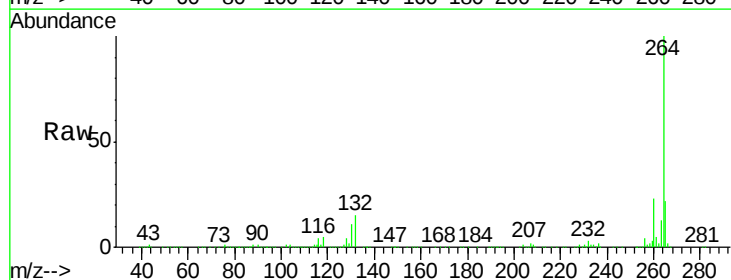


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.35 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: BF091655.D
 Acq: 16 Dec 2016 5:11

Tgt Ion:264 Resp: 357083
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.8 28.2
 265 21.7 17.0 25.6



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

