

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120216\
 Data File : BF091386.D
 Acq On : 2 Dec 2016 9:15
 Operator : UM/SJ
 Sample : H5801-04DL 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-4A-112916DL

Quant Time: Dec 02 22:02:11 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

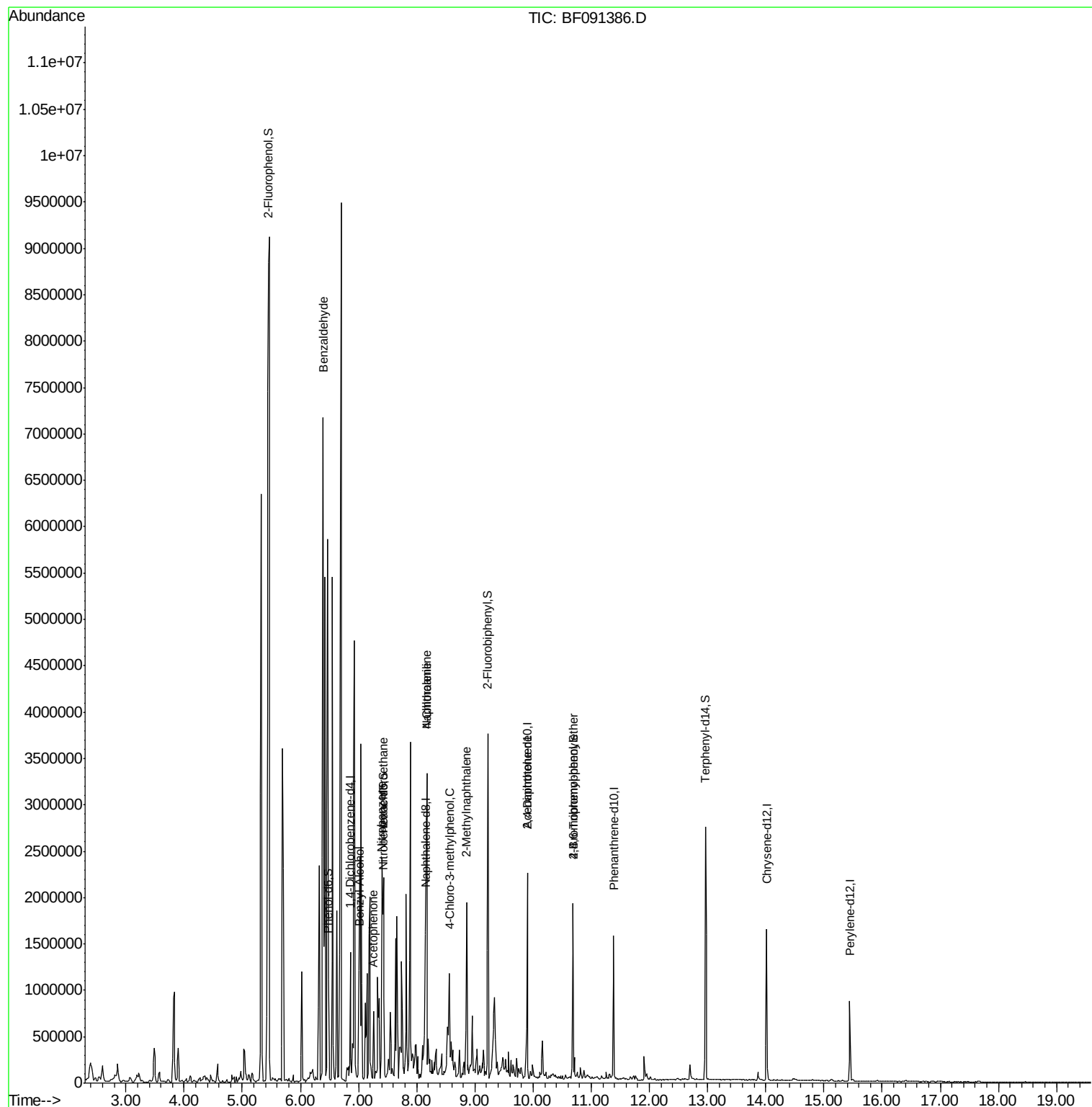
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	185197	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	751256	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	461355	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	744292	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	556905	20.00	ng	-0.03
86) Perylene-d12	15.44	264	412967	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	295250	26.04	ng	-0.02
7) Phenol-d6	6.48	99	322719	23.13	ng	-0.02
23) Nitrobenzene-d5	7.42	82	556747	41.53	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	306238	70.11	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	1228878	48.23	ng	-0.02
78) Terphenyl-d14	12.96	244	1071507	41.82	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.39	77	441640	49.21	ng	# 1
15) Benzyl Alcohol	7.01	79	22555	2.02	ng	# 60
18) Hexachloroethane	7.43	117	816200	167.14	ng	# 1
22) Acetophenone	7.26	105	239924	13.47	ng	# 60
24) Nitrobenzene	7.40	77	115673	8.43	ng	# 8
31) Naphthalene	8.17	128	1818322	50.93	ng	100
33) 4-Chloroaniline	8.17	127	261605	17.14	ng	# 36
36) 4-Chloro-3-methylphenol	8.56	107	73780	6.64	ng	# 23
37) 2-Methylnaphthalene	8.86	142	482971	19.91	ng	95
56) 2,4-Dinitrotoluene	9.90	165	59606	7.36	ng	# 35
66) 4-Bromophenyl-phenylether	10.69	248	19175	2.40	ng	# 1

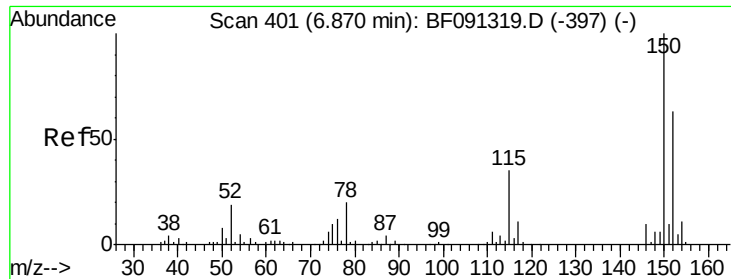
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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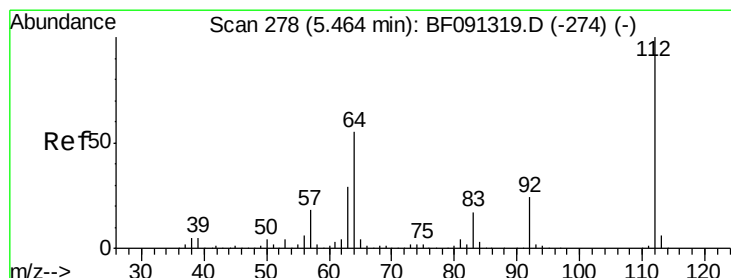
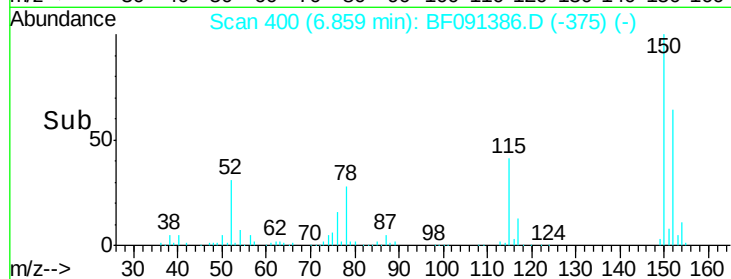
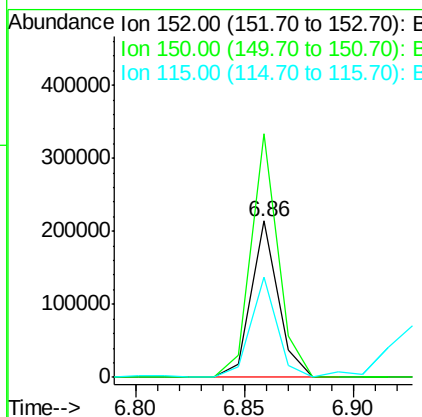
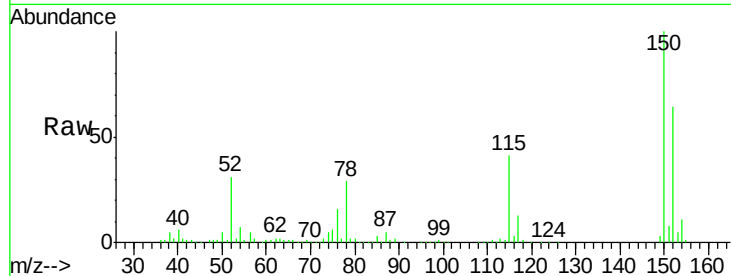




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 400
 Delta R.T. -0.02 min
 Lab File: BF091386.D
 Acq: 2 Dec 2016 9:15

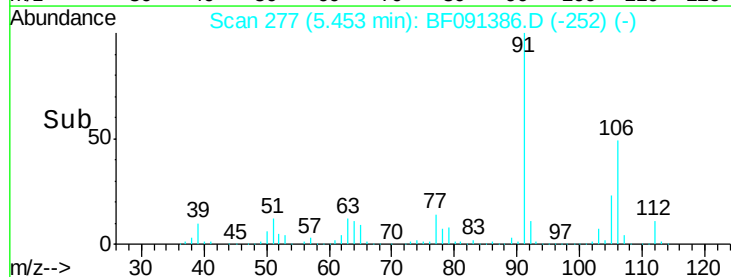
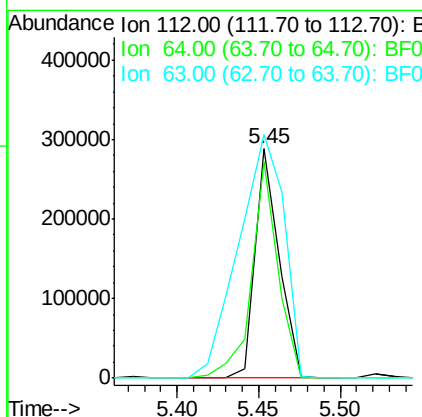
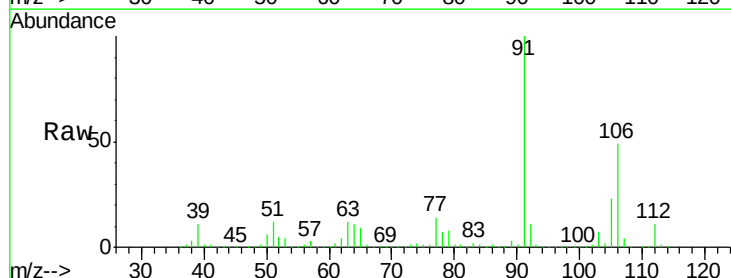
Instrument :
 BNA_F
 ClientSampleId :
 MW-4A-112916DL

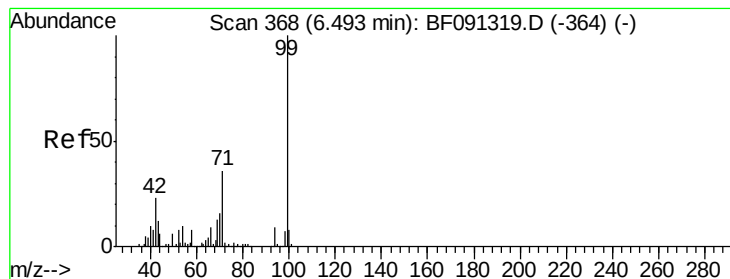
Tgt Ion:152 Resp: 185197
 Ion Ratio Lower Upper
 152 100
 150 155.7 122.5 183.7
 115 64.2 51.8 77.8



#5
 2-Fluorophenol
 Concen: 26.04 ng
 RT: 5.45 min Scan# 277
 Delta R.T. -0.02 min
 Lab File: BF091386.D
 Acq: 2 Dec 2016 9:15

Tgt Ion:112 Resp: 295250
 Ion Ratio Lower Upper
 112 100
 64 94.6 61.5 92.3#
 63 106.2 33.3 49.9#





#7

Phenol-d6

Concen: 23.13 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.02 min

Lab File: BF091386.D

Acq: 2 Dec 2016 9:15

Instrument :

BNA_F

ClientSampleId :

MW-4A-112916DL

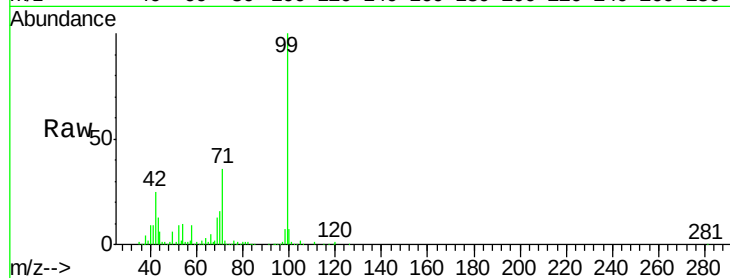
Tgt Ion: 99 Resp: 322719

Ion Ratio Lower Upper

99 100

42 25.0 20.6 31.0

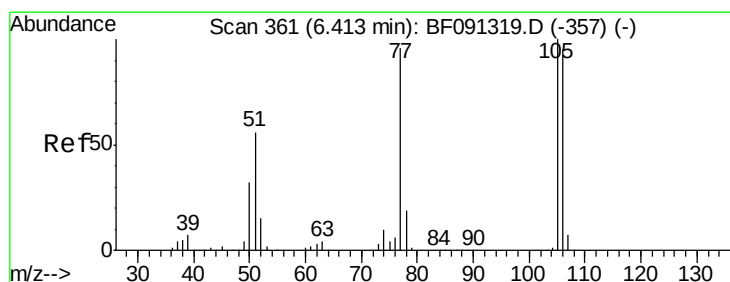
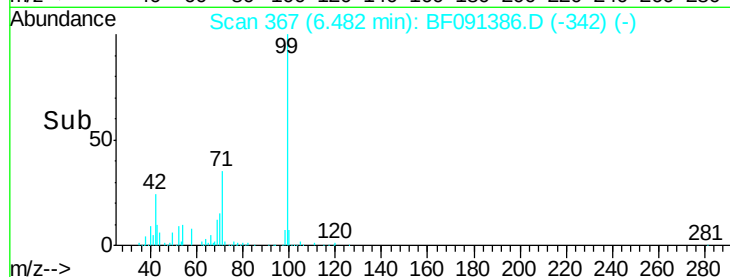
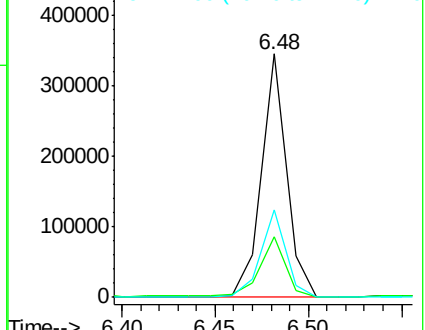
71 35.8 29.9 44.9



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: 49.21 ng

RT: 6.39 min Scan# 359

Delta R.T. -0.03 min

Lab File: BF091386.D

Acq: 2 Dec 2016 9:15

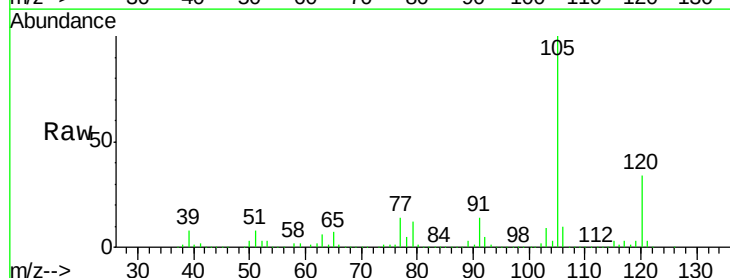
Tgt Ion: 77 Resp: 441640

Ion Ratio Lower Upper

77 100

105 705.6 66.4 106.4#

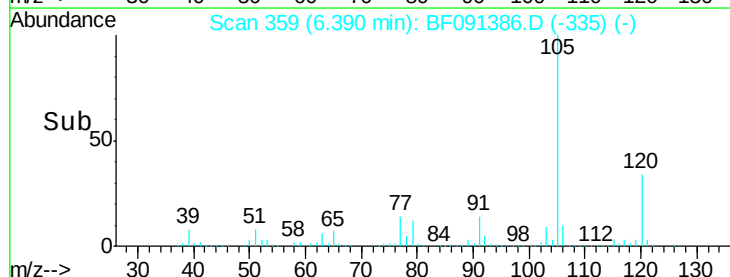
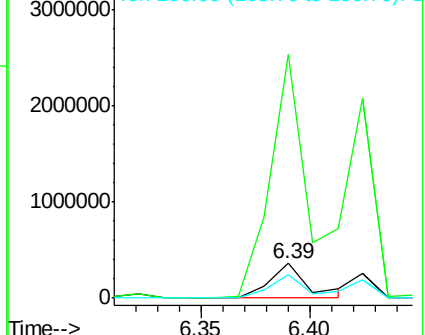
106 68.4 60.9 100.9

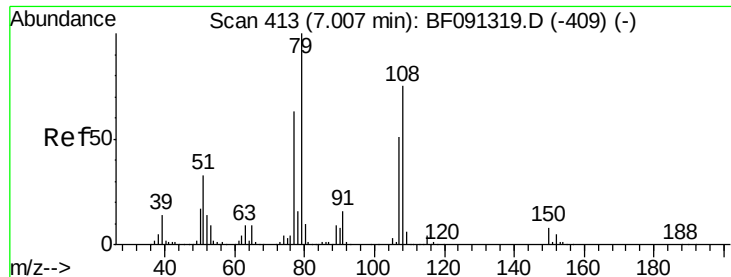


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 7.01 min Scan# 413

Delta R.T. -0.02 min

Lab File: BF091386.D

Acq: 2 Dec 2016 9:15

Instrument :

BNA_F

ClientSampleId :

MW-4A-112916DL

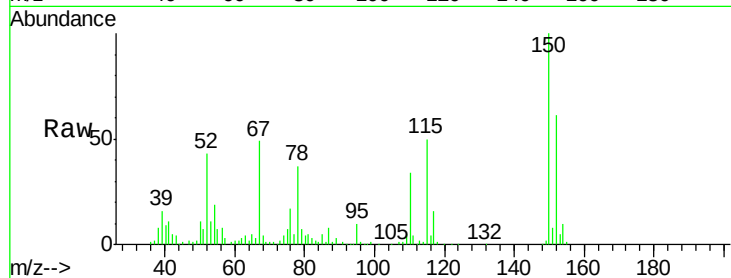
Tgt Ion: 79 Resp: 22555

Ion Ratio Lower Upper

79 100

108 17.8 62.7 94.1#

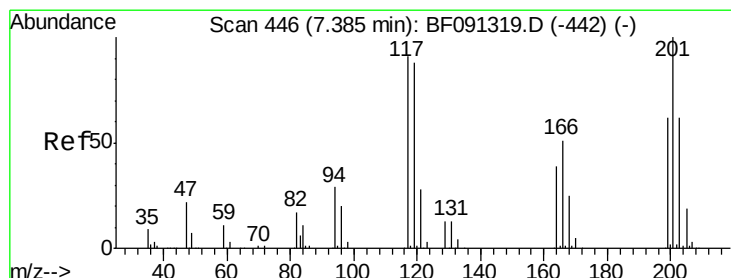
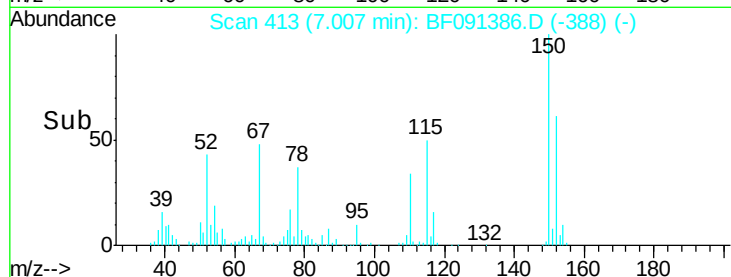
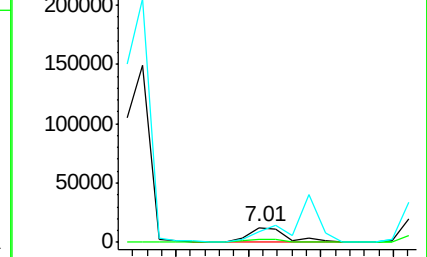
77 68.6 51.7 77.5



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 167.14 ng

RT: 7.43 min Scan# 450

Delta R.T. 0.03 min

Lab File: BF091386.D

Acq: 2 Dec 2016 9:15

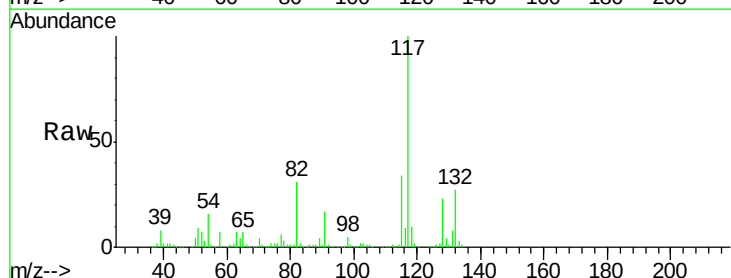
Tgt Ion: 117 Resp: 816200

Ion Ratio Lower Upper

117 100

119 2.3 78.6 118.0#

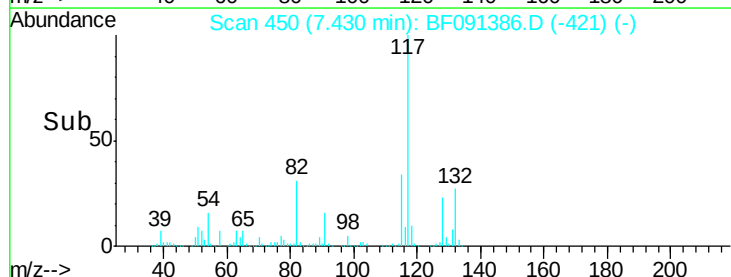
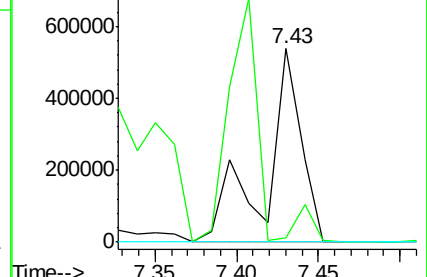
201 0.0 86.7 130.1#

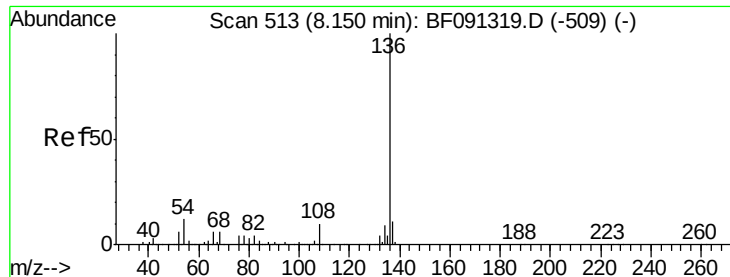


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

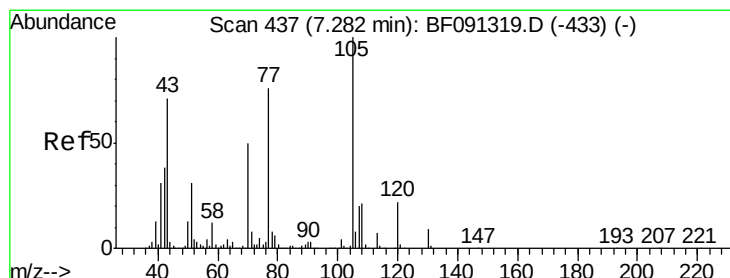
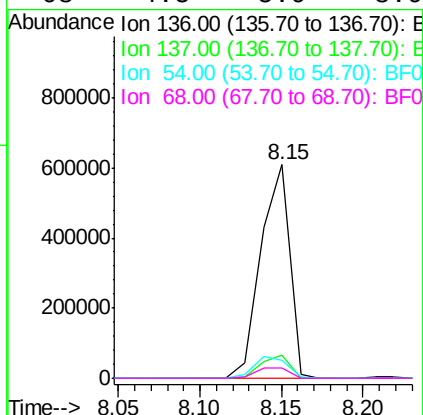
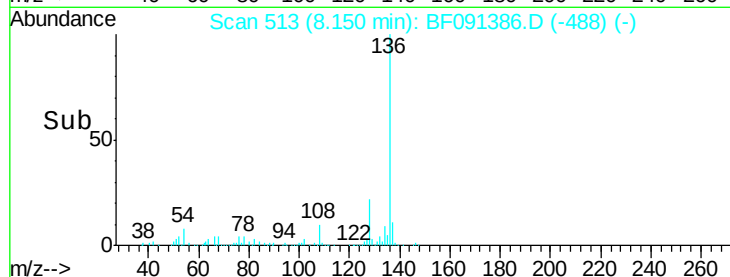
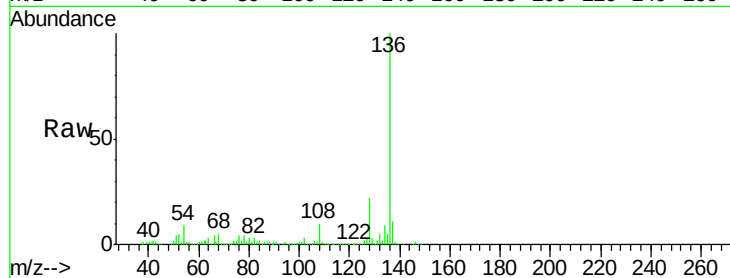




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF091386.D
Acq: 2 Dec 2016 9:15

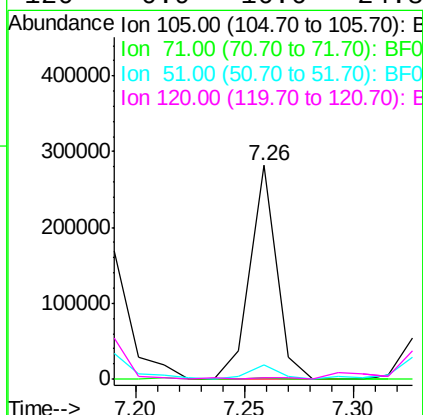
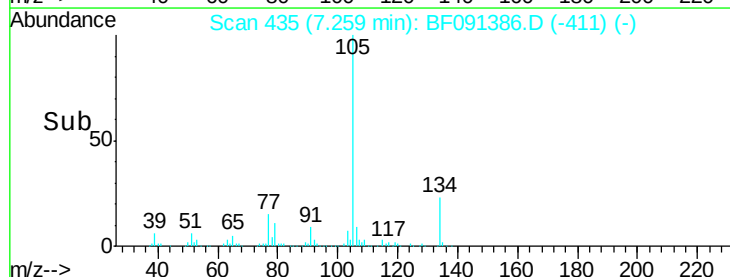
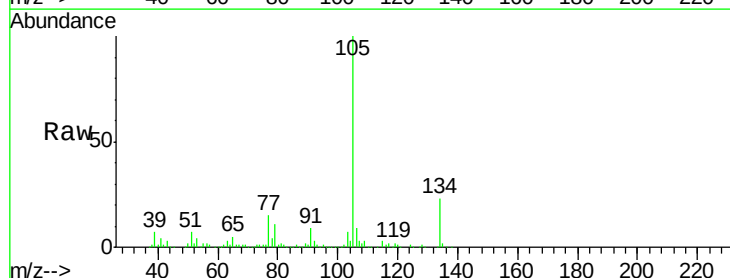
Instrument :
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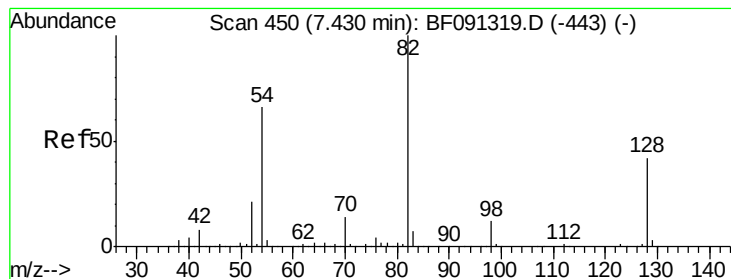
Tgt Ion:	136	Resp:	751256
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.1	13.7
54	8.5	9.1	13.7#
68	4.5	5.9	8.9#



#22
Acetophenone
Concen: 13.47 ng
RT: 7.26 min Scan# 435
Delta R.T. -0.03 min
Lab File: BF091386.D
Acq: 2 Dec 2016 9:15

Tgt Ion:	105	Resp:	239924
Ion Ratio	Lower	Upper	
105	100		
71	0.4	7.9	11.9#
51	6.8	24.5	36.7#
120	0.9	16.6	24.8#





#23

Nitrobenzene-d5

Concen: 41.53 ng

RT: 7.42 min Scan# 449

Delta R.T. -0.03 min

Lab File: BF091386.D

Acq: 2 Dec 2016 9:15

Instrument :

BNA_F

ClientSampleId :

MW-4A-112916DL

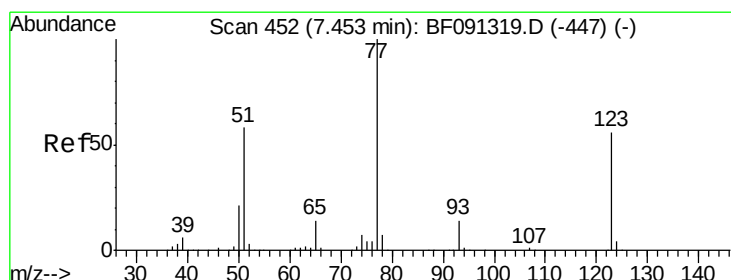
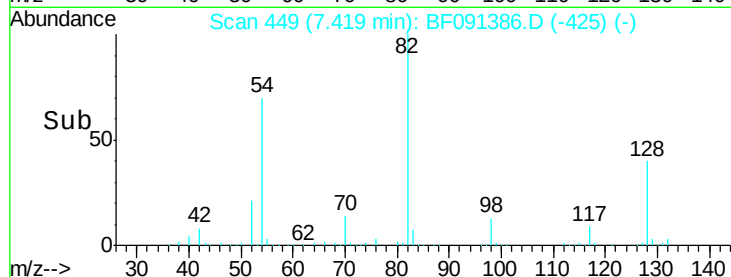
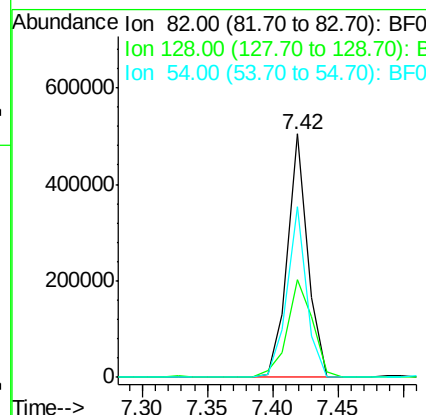
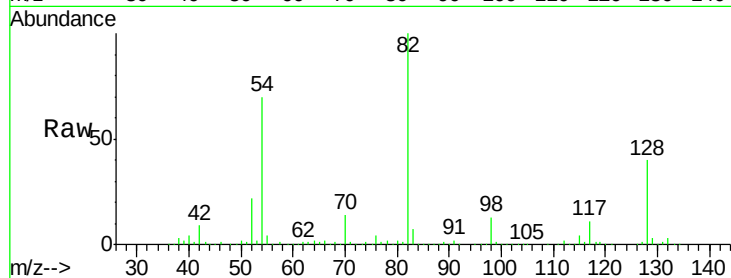
Tgt Ion: 82 Resp: 556747

Ion Ratio Lower Upper

82 100

128 40.1 31.8 47.6

54 70.1 49.1 73.7



#24

Nitrobenzene

Concen: 8.43 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.06 min

Lab File: BF091386.D

Acq: 2 Dec 2016 9:15

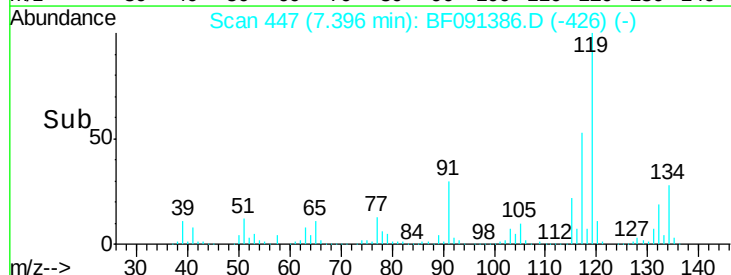
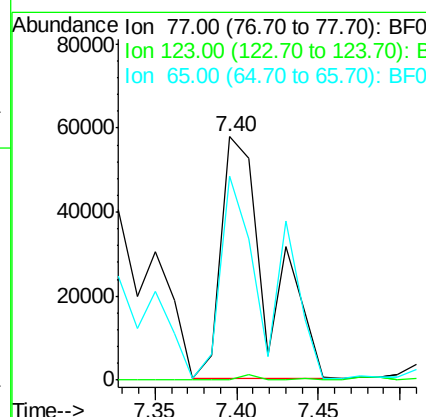
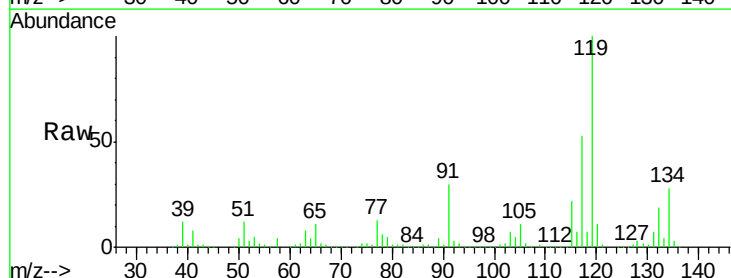
Tgt Ion: 77 Resp: 115673

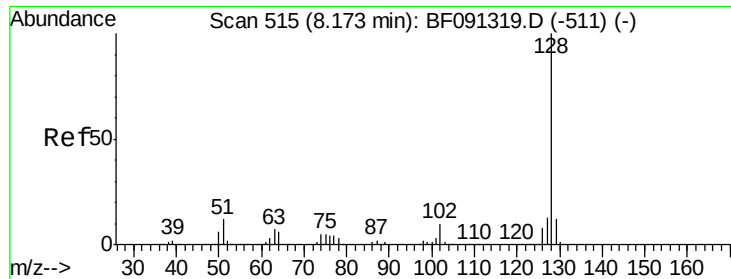
Ion Ratio Lower Upper

77 100

123 0.0 28.5 42.7#

65 83.6 12.5 18.7#

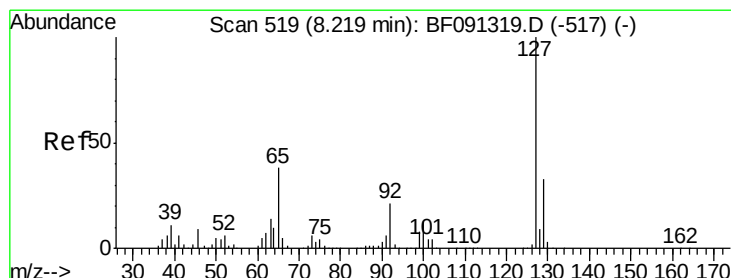
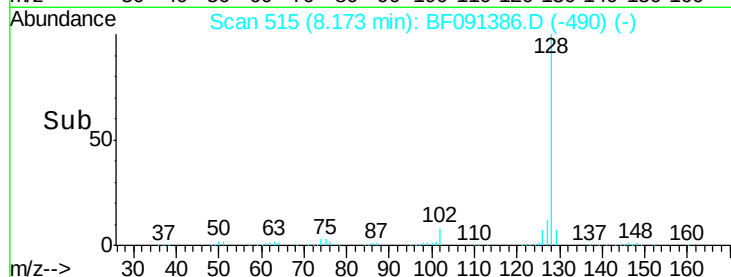
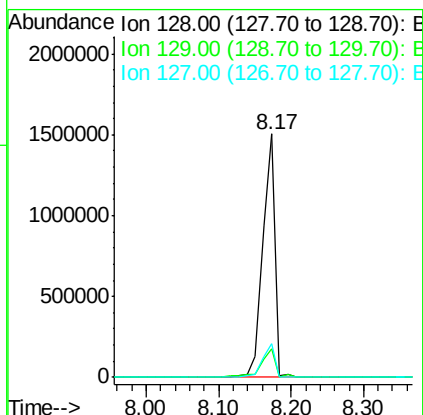
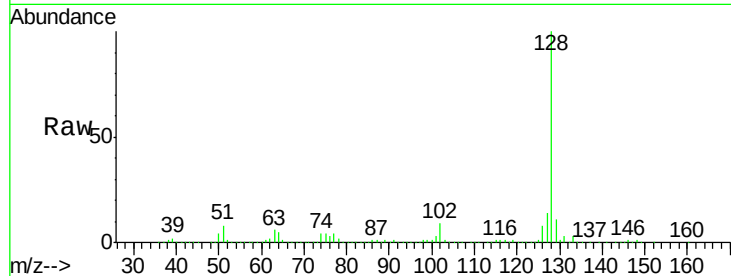




#31
Naphthalene
Concen: 50.93 ng
RT: 8.17 min Scan# 515
Delta R.T. -0.02 min
Lab File: BF091386.D
Acq: 2 Dec 2016 9:15

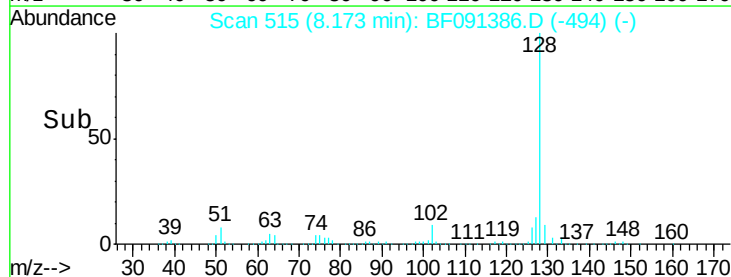
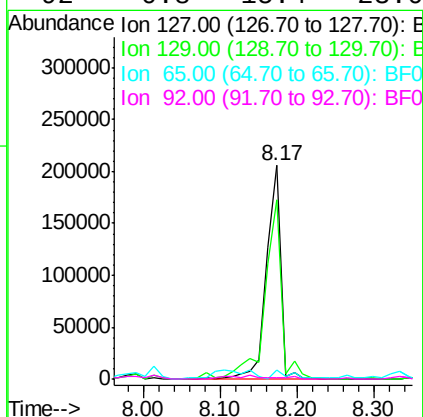
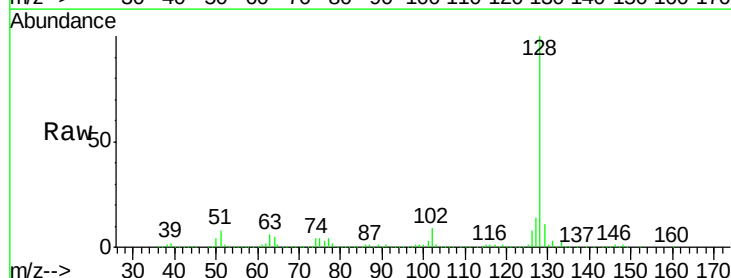
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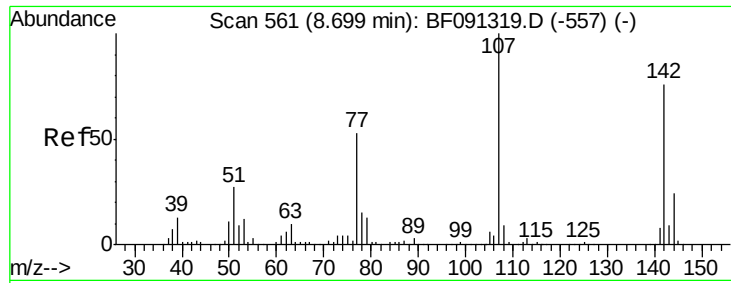
Tgt Ion:128 Resp: 1818322
Ion Ratio Lower Upper
128 100
129 11.5 9.1 13.7
127 13.7 11.0 16.4



#33
4-Chloroaniline
Concen: 17.14 ng
RT: 8.17 min Scan# 515
Delta R.T. -0.06 min
Lab File: BF091386.D
Acq: 2 Dec 2016 9:15

Tgt Ion:127 Resp: 261605
Ion Ratio Lower Upper
127 100
129 83.9 26.2 39.4#
65 3.9 26.6 39.8#
92 0.8 15.4 23.0#

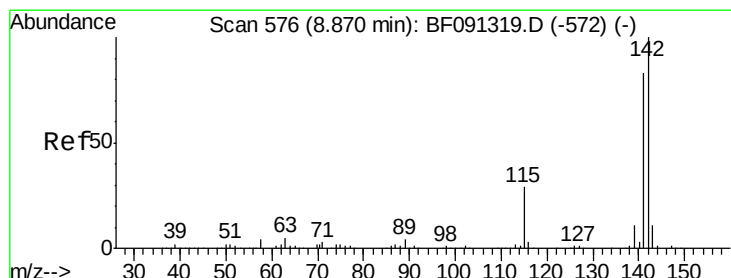
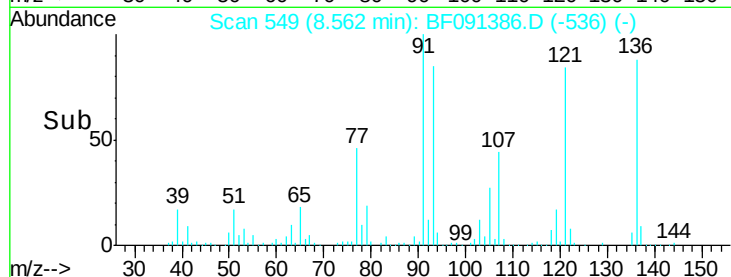
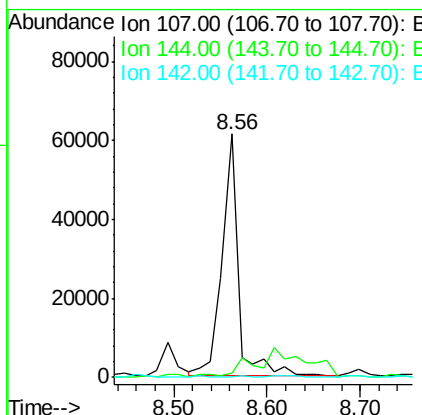
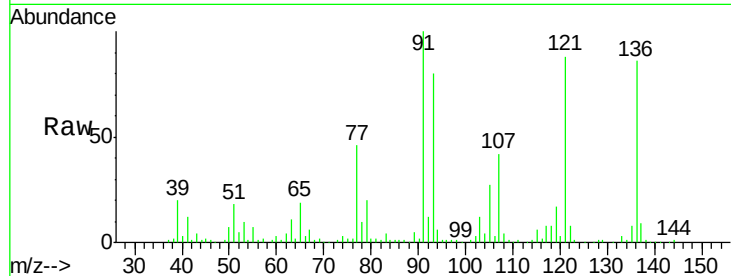




#36
 4-Chloro-3-methylphenol
 Concen: 6.64 ng
 RT: 8.56 min Scan# 549
 Delta R.T. -0.15 min
 Lab File: BF091386.D
 Acq: 2 Dec 2016 9:15

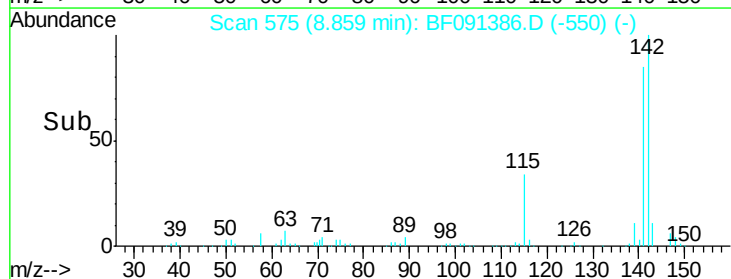
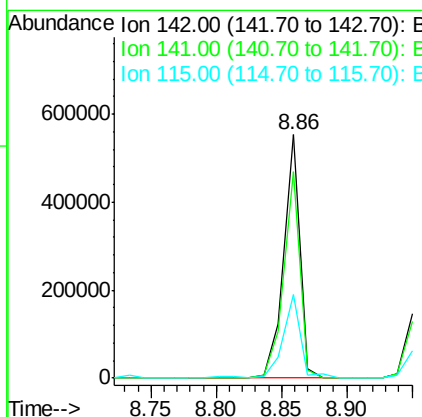
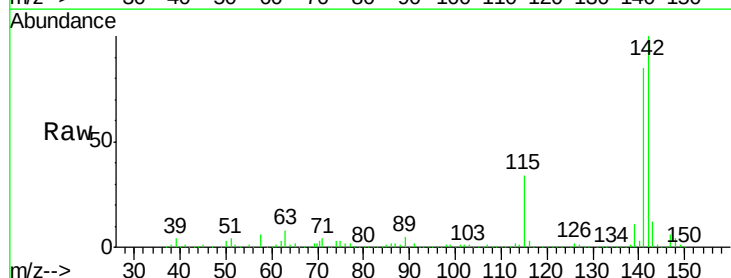
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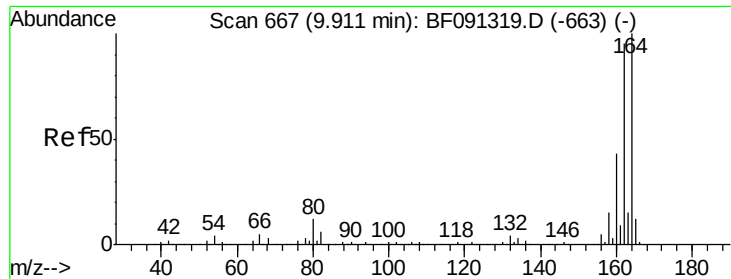
Tgt Ion:107 Resp: 73780
 Ion Ratio Lower Upper
 107 100
 144 1.7 18.9 28.3#
 142 0.0 58.5 87.7#



#37
 2-Methylnaphthalene
 Concen: 19.91 ng
 RT: 8.86 min Scan# 575
 Delta R.T. -0.02 min
 Lab File: BF091386.D
 Acq: 2 Dec 2016 9:15

Tgt Ion:142 Resp: 482971
 Ion Ratio Lower Upper
 142 100
 141 84.9 71.7 107.5
 115 34.5 25.0 37.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 666

Delta R.T. -0.02 min

Lab File: BF091386.D

Acq: 2 Dec 2016 9:15

Instrument :

BNA_F

ClientSampleId :

MW-4A-112916DL

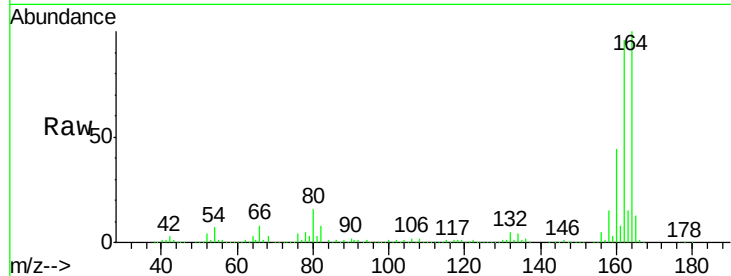
Tgt Ion:164 Resp: 461355

Ion Ratio Lower Upper

164 100

162 96.5 82.6 124.0

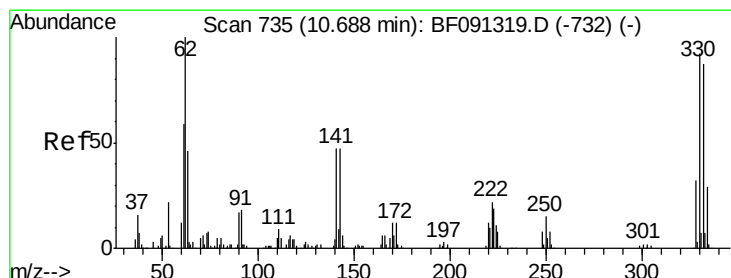
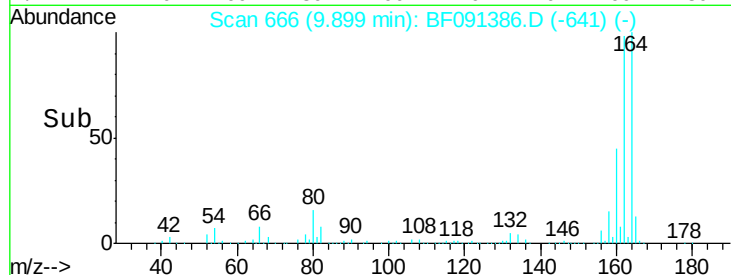
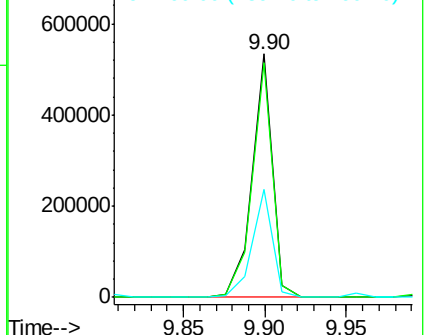
160 44.5 36.7 55.1



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: 70.11 ng

RT: 10.69 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF091386.D

Acq: 2 Dec 2016 9:15

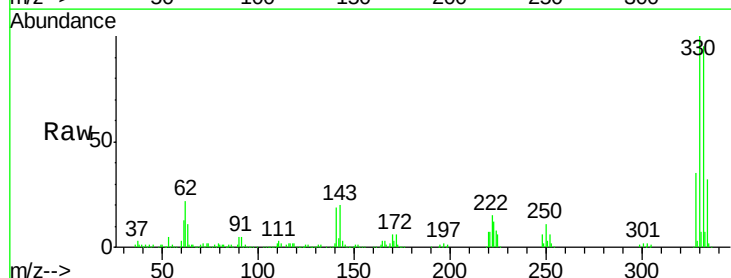
Tgt Ion:330 Resp: 306238

Ion Ratio Lower Upper

330 100

332 95.5 76.2 114.4

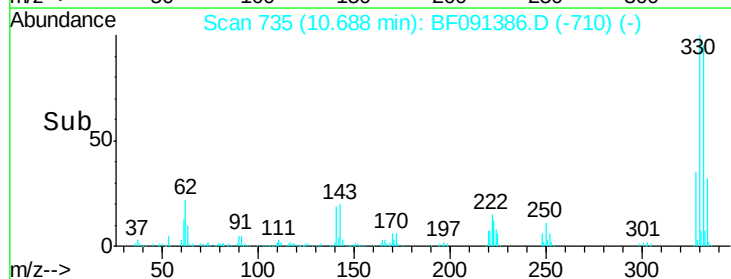
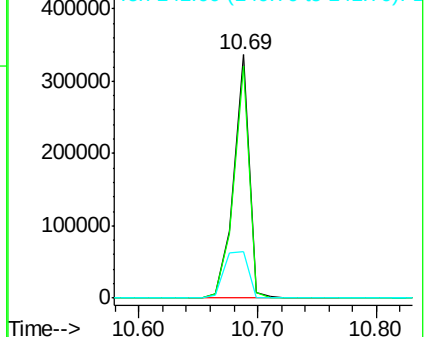
141 30.2 33.6 50.4#

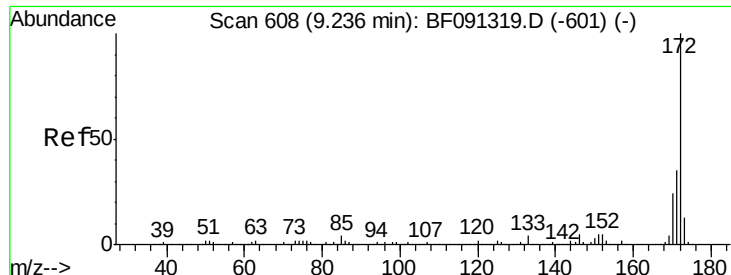


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

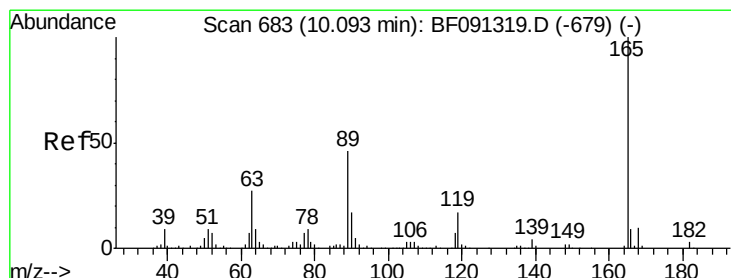
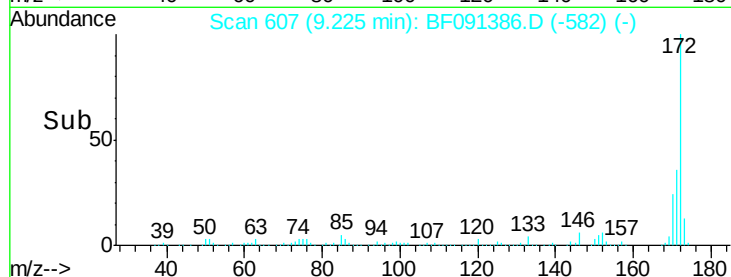
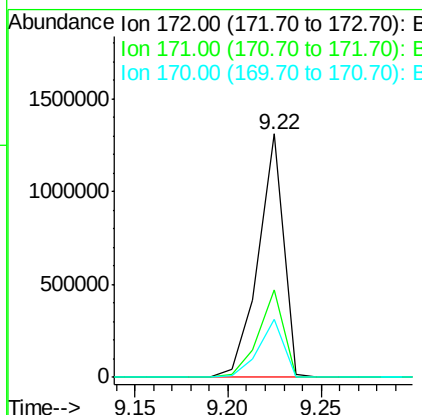
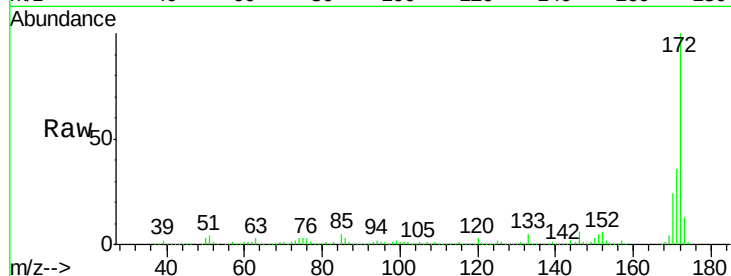




#44
 2-Fluorobiphenyl
 Concen: 48.23 ng
 RT: 9.22 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF091386.D
 Acq: 2 Dec 2016 9:15

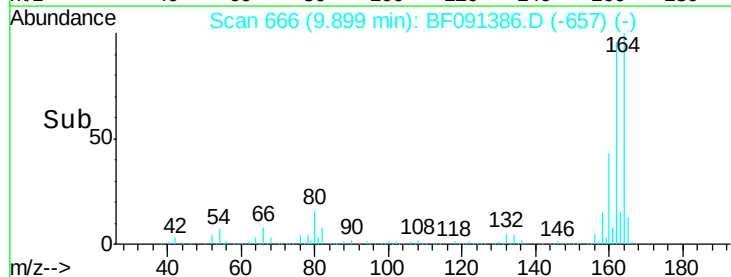
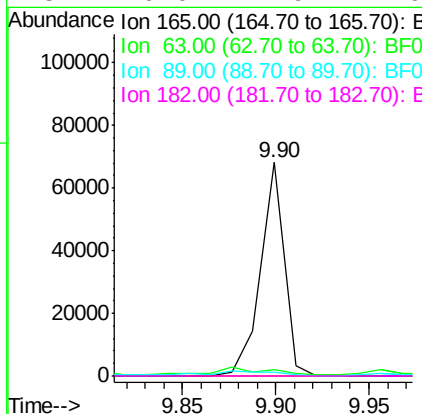
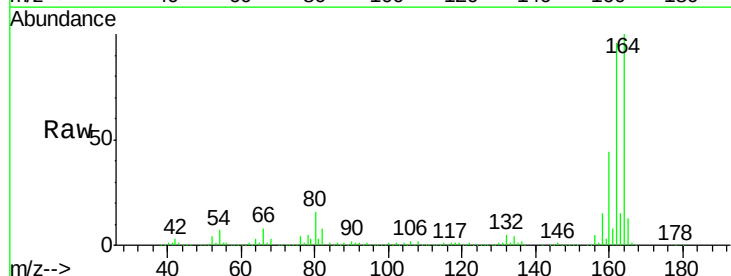
Instrument :
 BNA_F
 ClientSampleId :
 MW-4A-112916DL

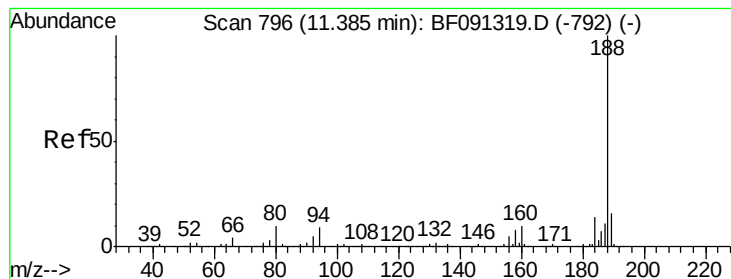
Tgt Ion:172 Resp: 1228878
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.0
 170 23.9 19.7 29.5



#56
 2,4-Dinitrotoluene
 Concen: 7.36 ng
 RT: 9.90 min Scan# 666
 Delta R.T. -0.20 min
 Lab File: BF091386.D
 Acq: 2 Dec 2016 9:15

Tgt Ion:165 Resp: 59606
 Ion Ratio Lower Upper
 165 100
 63 3.0 29.0 43.4#
 89 1.9 43.1 64.7#
 182 0.0 1.9 2.9#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 796

Delta R.T. -0.02 min

Lab File: BF091386.D

Acq: 2 Dec 2016 9:15

Instrument :

BNA_F

ClientSampleId :

MW-4A-112916DL

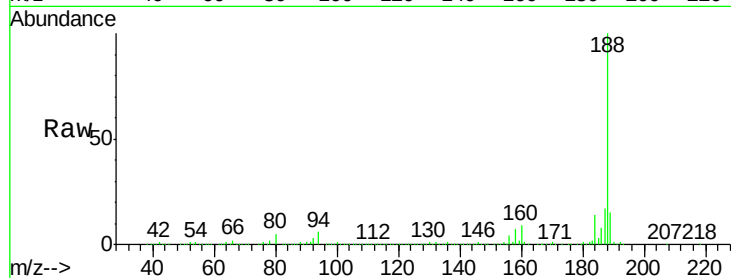
Tgt Ion:188 Resp: 744292

Ion Ratio Lower Upper

188 100

94 5.6 9.2 13.8#

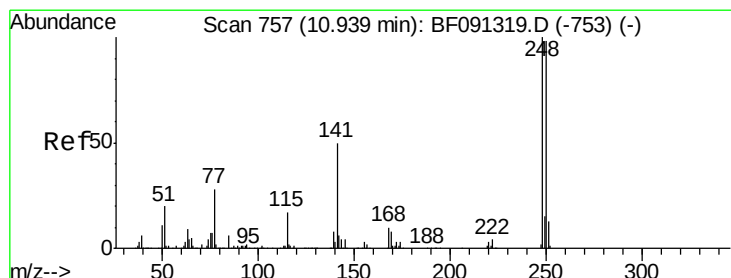
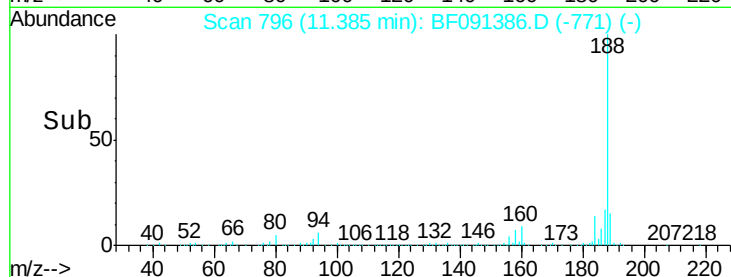
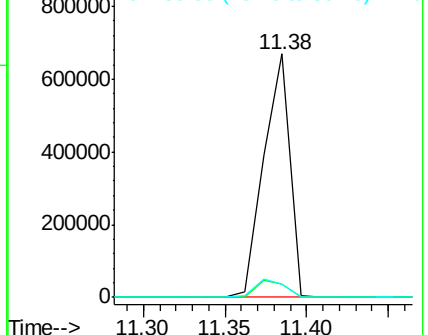
80 5.5 10.5 15.7#



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



#66

4-Bromophenyl-phenylether

Concen: 2.40 ng

RT: 10.69 min Scan# 735

Delta R.T. -0.27 min

Lab File: BF091386.D

Acq: 2 Dec 2016 9:15

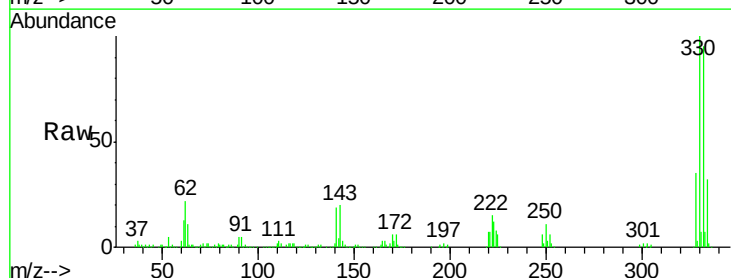
Tgt Ion:248 Resp: 19175

Ion Ratio Lower Upper

248 100

250 198.6 78.2 117.4#

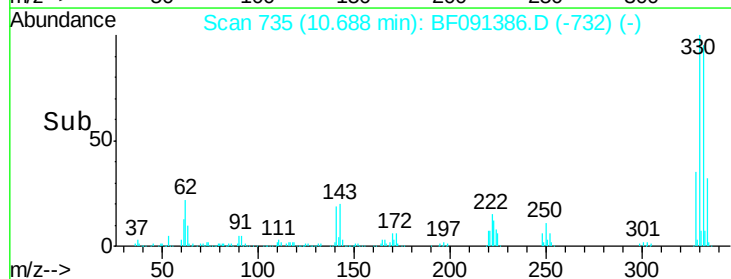
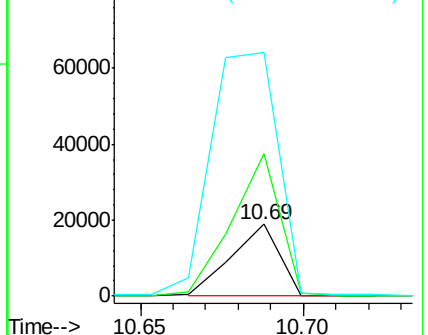
141 337.9 71.9 107.9#

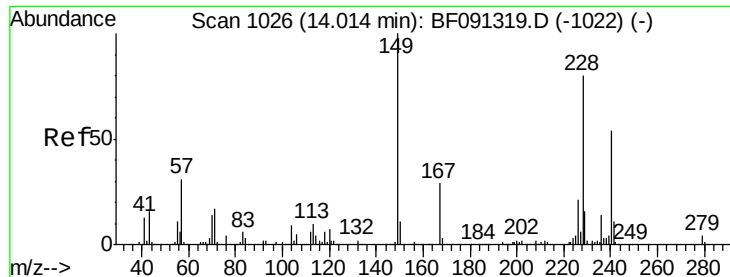


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.01 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BF091386.D

Acq: 2 Dec 2016 9:15

Instrument :

BNA_F

ClientSampleId :

MW-4A-112916DL

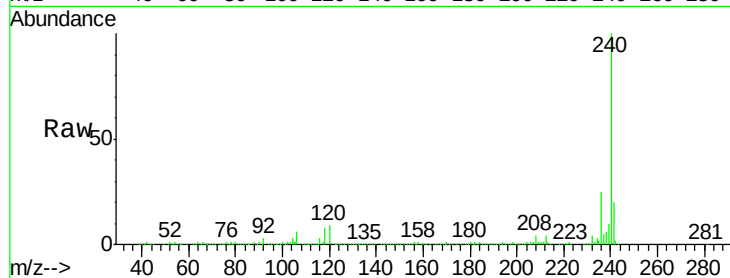
Tgt Ion:240 Resp: 556905

Ion Ratio Lower Upper

240 100

120 9.0 12.1 18.1#

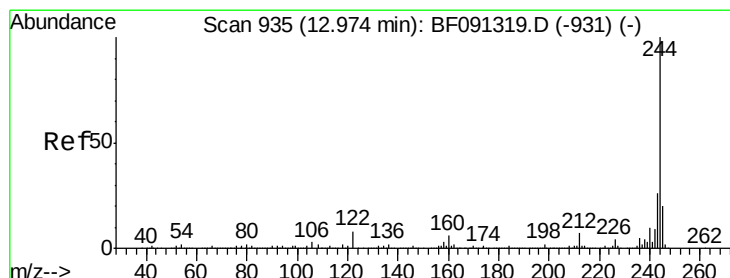
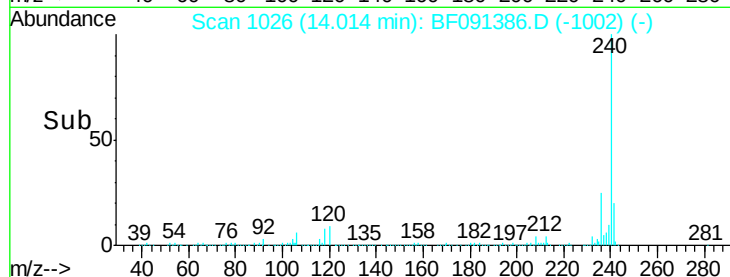
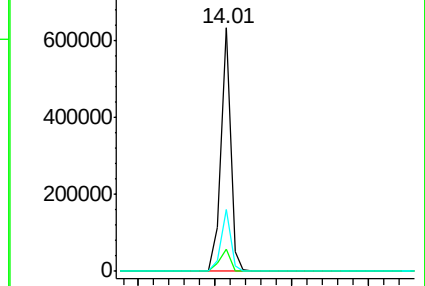
236 25.5 21.0 31.6



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: 41.82 ng

RT: 12.96 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF091386.D

Acq: 2 Dec 2016 9:15

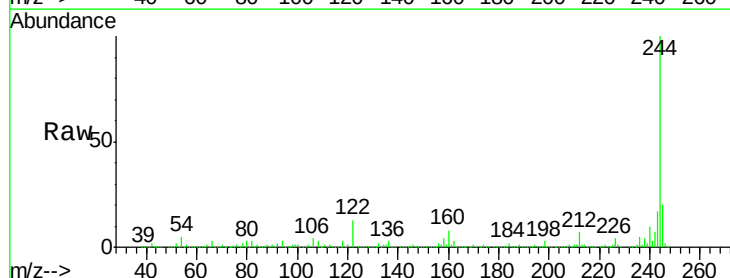
Tgt Ion:244 Resp: 1071507

Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

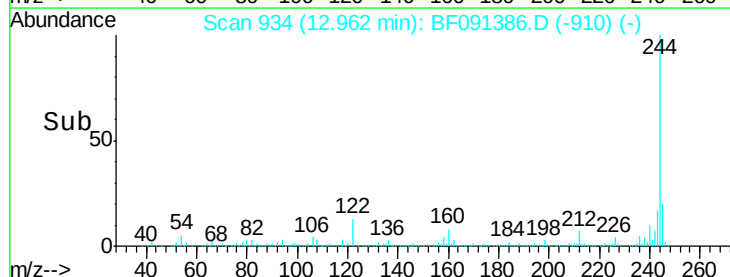
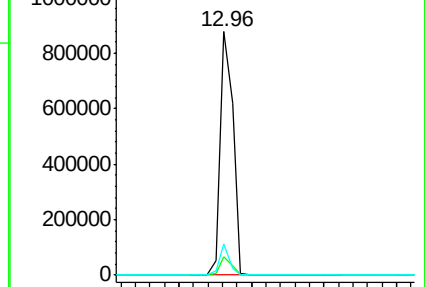
122 12.8 9.5 14.3

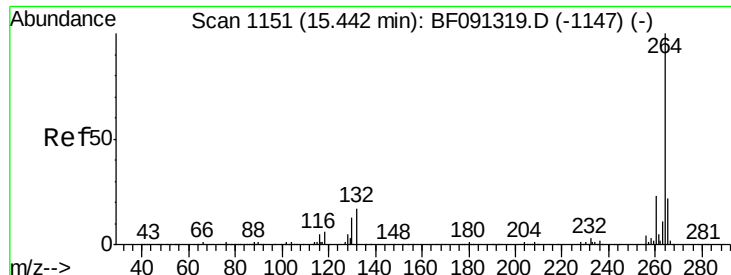


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.44 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF091386.D
Acq: 2 Dec 2016 9:15

Instrument :
BNA_F
ClientSampleId :
MW-4A-112916DL

Tgt Ion: 264 Resp: 412967
Ion Ratio Lower Upper
264 100
260 23.3 18.8 28.2
265 21.3 17.0 25.6

