

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010417\
 Data File : BF092088.D
 Acq On : 5 Jan 2017 00:37
 Operator : UM/SJ
 Sample : I1004-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-03

Quant Time: Jan 05 02:12:37 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 05 00:16:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	207740	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	623237	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	368268	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	715873	20.00	ng	0.00
75) Chrysene-d12	13.80	240	582500	20.00	ng	-0.01
86) Perylene-d12	15.18	264	481477	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	710874	57.14	ng	0.00
7) Phenol-d6	6.32	99	711004	46.81	ng	-0.01
23) Nitrobenzene-d5	7.24	82	1057611	94.36	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	461610	151.46	ng	0.00
44) 2-Fluorobiphenyl	9.03	172	1602222	89.88	ng	0.00
78) Terphenyl-d14	12.77	244	1892621	78.80	ng	0.00

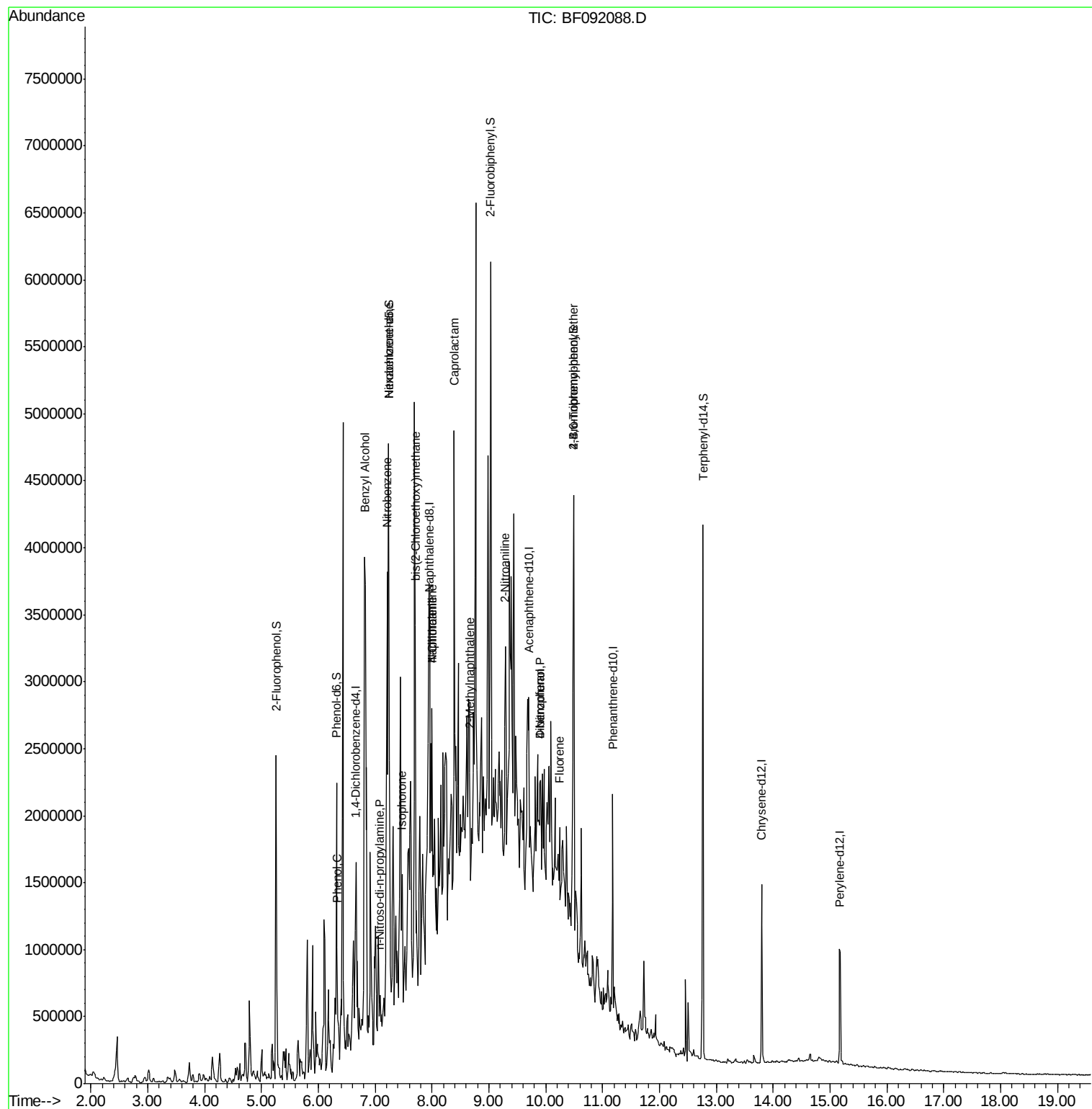
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.33	94	77861	4.50	ng	84
15) Benzyl Alcohol	6.81	79	32116	2.72	ng	# 48
18) Hexachloroethane	7.24	117	960891	168.55	ng	# 3
19) n-Nitroso-di-n-propylamine	7.09	70	21446	2.12	ng	# 74
24) Nitrobenzene	7.21	77	172599	14.46	ng	# 25
25) Isophorone	7.48	82	75941	3.67	ng	# 1
28) bis(2-Chloroethoxy)methane	7.70	93	29534	2.36	ng	# 1
31) Naphthalene	8.00	128	79507	2.79	ng	# 1
33) 4-Chloroaniline	8.00	127	28699	2.23	ng	# 1
35) Caprolactam	8.39	113	87227	32.10	ng	# 1
37) 2-Methylnaphthalene	8.66	142	290484	13.19	ng	98
47) 2-Nitroaniline	9.29	65	14471	2.04	ng	# 40
54) Dibenzofuran	9.90	168	95425	3.39	ng	# 73
55) 4-Nitrophenol	9.90	139	45599	10.53	ng	# 49
57) Fluorene	10.24	166	77407	3.78	ng	# 89
66) 4-Bromophenyl-phenylether	10.49	248	30948	4.16	ng	# 1
71) Anthracene	11.25	178	6954	Below	Cal	# 53
73) Di-n-butylphthalate	11.75	149	19419	Below	Cal	# 91
74) Fluoranthene	12.38	202	20614	Below	Cal	97
76) Benizidine	12.54	184	1907	Below	Cal	# 1

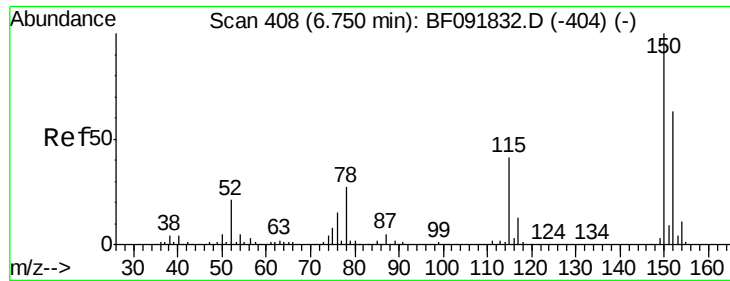
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 418

Delta R.T. -0.00 min

Lab File: BF092088.D

Acq: 5 Jan 2017 00:37

Instrument :

BNA_F

ClientSampleId :

MW-03

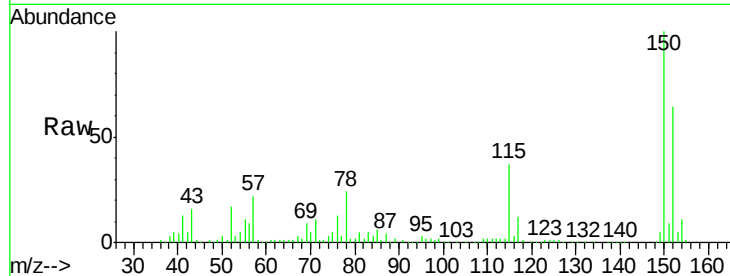
Tgt Ion:152 Resp: 207740

Ion Ratio Lower Upper

152 100

150 157.4 124.9 187.3

115 58.7 46.0 69.0



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

400000

300000

200000

100000

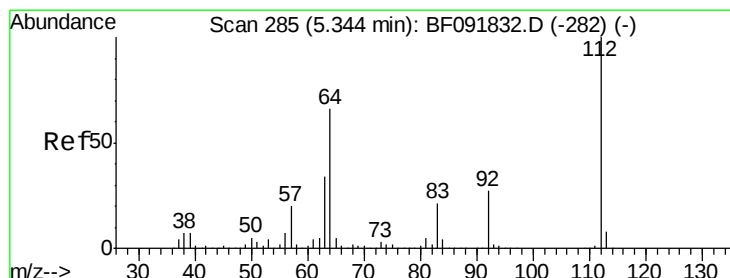
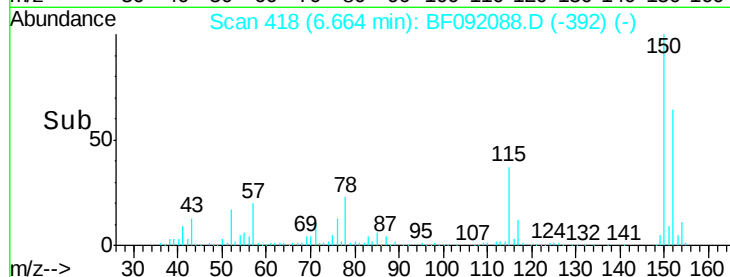
0

6.66

6.60

6.70

Time-->



#5

2-Fluorophenol

Concen: 57.14 ng

RT: 5.26 min Scan# 295

Delta R.T. -0.00 min

Lab File: BF092088.D

Acq: 5 Jan 2017 00:37

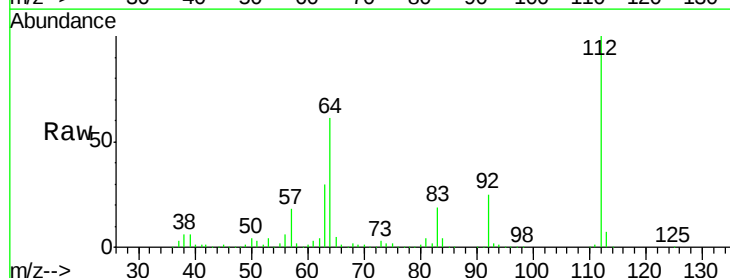
Tgt Ion:112 Resp: 710874

Ion Ratio Lower Upper

112 100

64 61.1 46.1 69.1

63 30.4 23.8 35.6



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

800000

600000

400000

200000

0

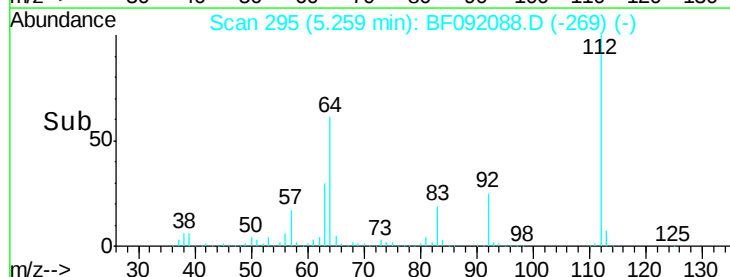
5.26

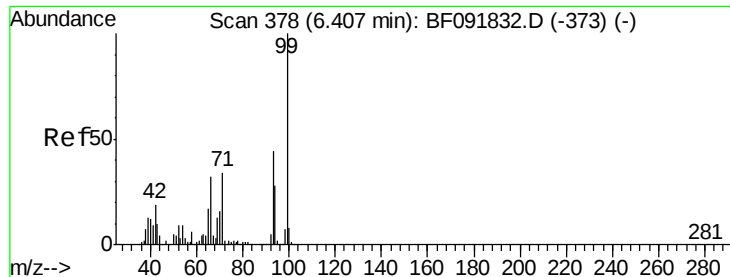
5.20

5.30

5.40

Time-->





#7

Phenol-d6

Concen: 46.81 ng

RT: 6.32 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF092088.D

Acq: 5 Jan 2017 00:37

Instrument :

BNA_F

ClientSampled :

MW-03

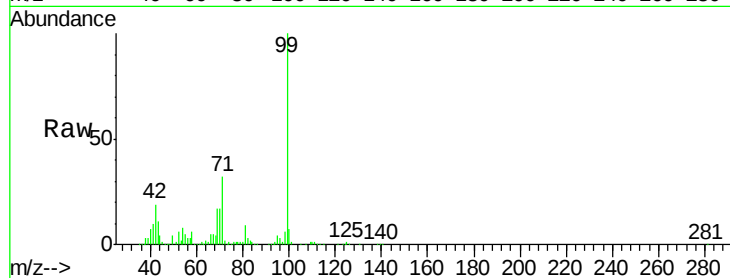
Tgt Ion: 99 Resp: 711004

Ion Ratio Lower Upper

99 100

42 18.8 15.6 23.4

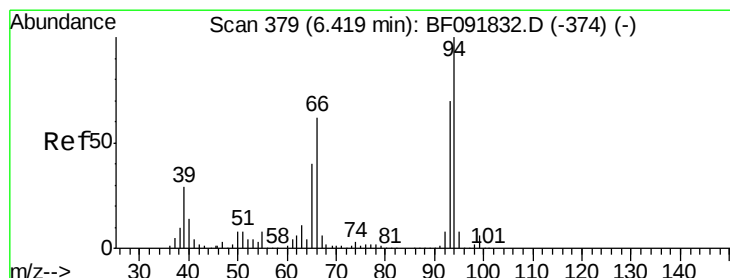
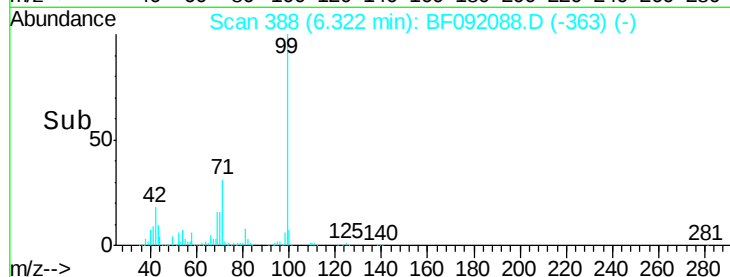
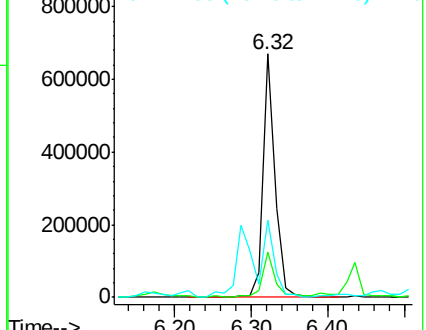
71 31.8 27.5 41.3



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



#10

Phenol

Concen: 4.50 ng

RT: 6.33 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF092088.D

Acq: 5 Jan 2017 00:37

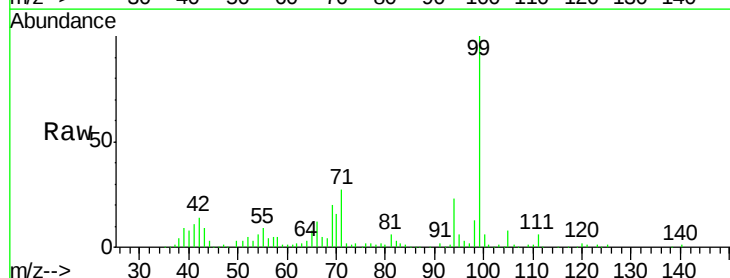
Tgt Ion: 94 Resp: 77861

Ion Ratio Lower Upper

94 100

65 32.9 21.4 61.4

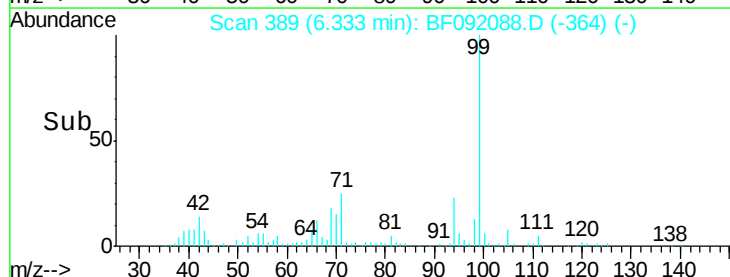
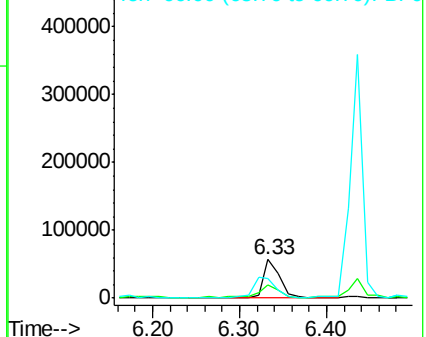
66 50.9 44.0 84.0

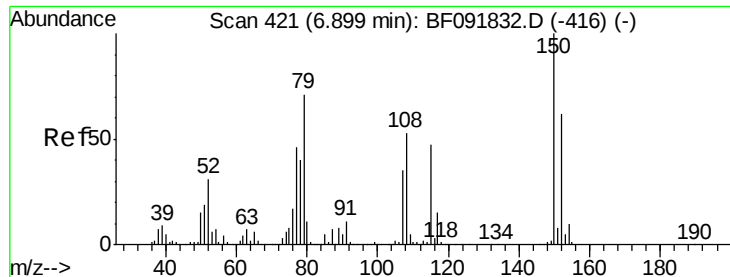


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.72 ng

RT: 6.81 min Scan# 431

Delta R.T. -0.01 min

Lab File: BF092088.D

Acq: 5 Jan 2017 00:37

Instrument :

BNA_F

ClientSampleId :

MW-03

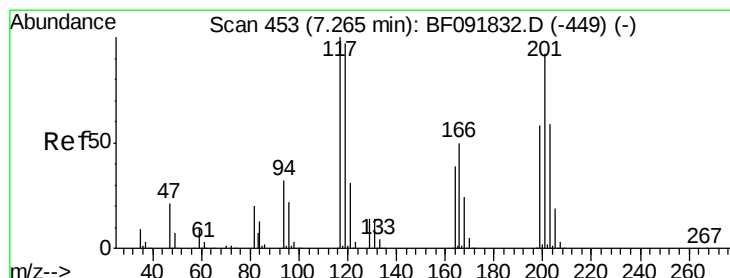
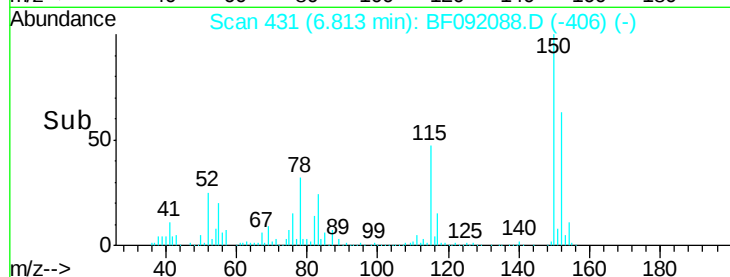
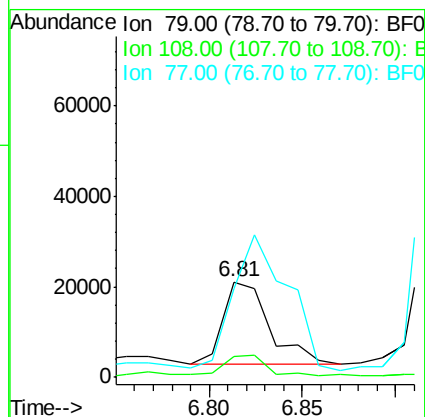
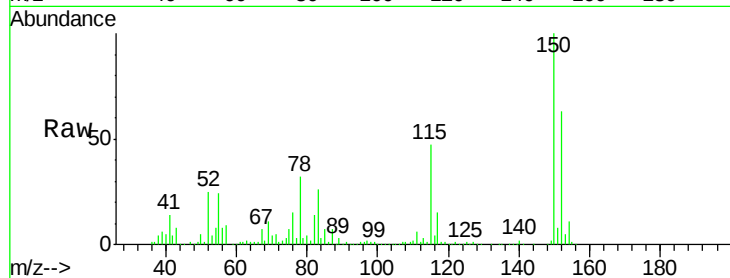
Tgt Ion: 79 Resp: 32116

Ion Ratio Lower Upper

79 100

108 22.4 61.4 92.0#

77 93.7 50.9 76.3#



#18

Hexachloroethane

Concen: 168.55 ng

RT: 7.24 min Scan# 468

Delta R.T. 0.06 min

Lab File: BF092088.D

Acq: 5 Jan 2017 00:37

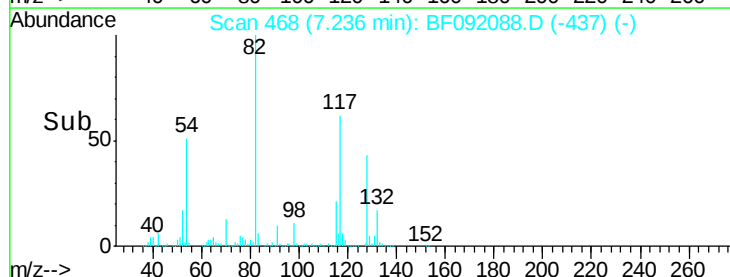
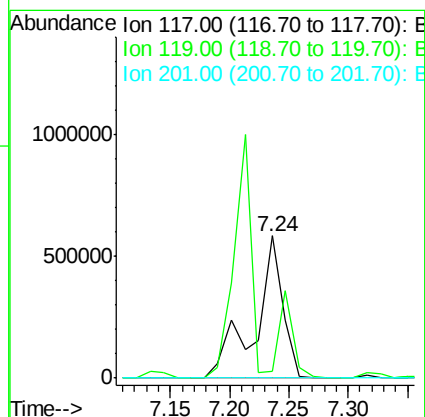
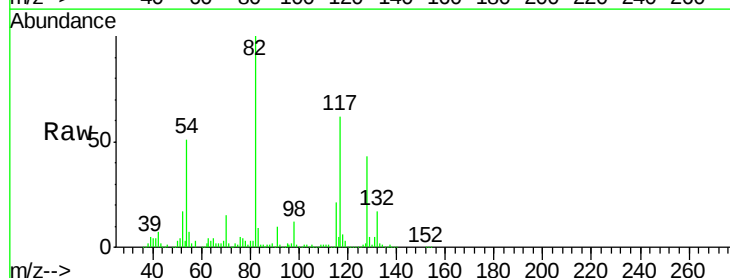
Tgt Ion: 117 Resp: 960891

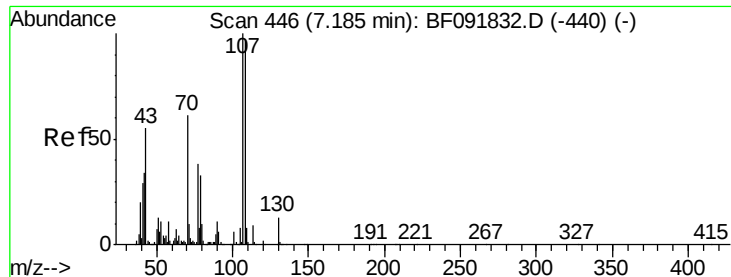
Ion Ratio Lower Upper

117 100

119 4.6 78.1 117.1#

201 0.0 78.6 117.8#

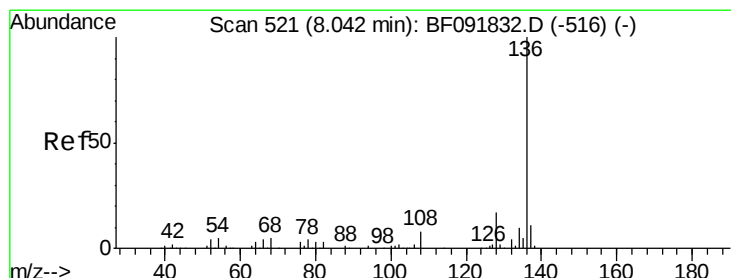
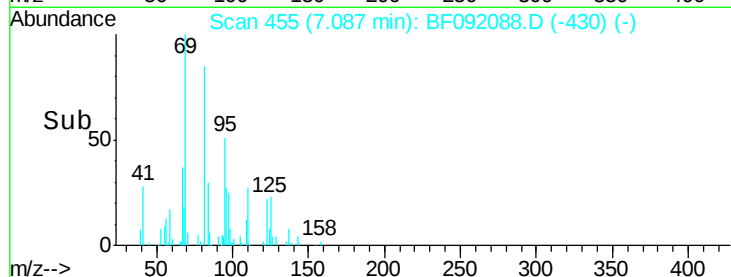
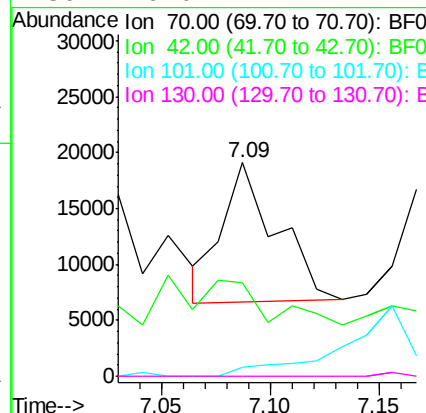
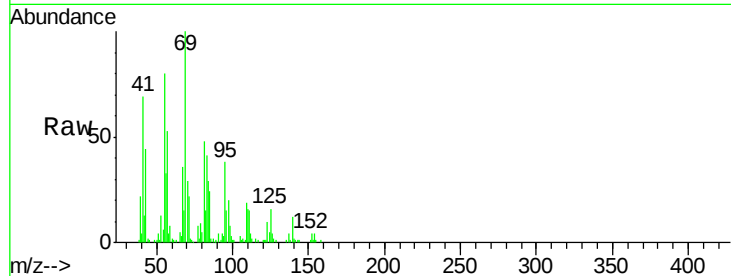




#19
n-Nitroso-di-n-propylamine
Concen: 2.12 ng
RT: 7.09 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF092088.D
Acq: 5 Jan 2017 00:37

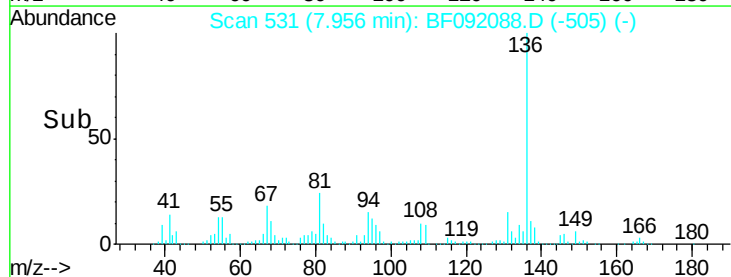
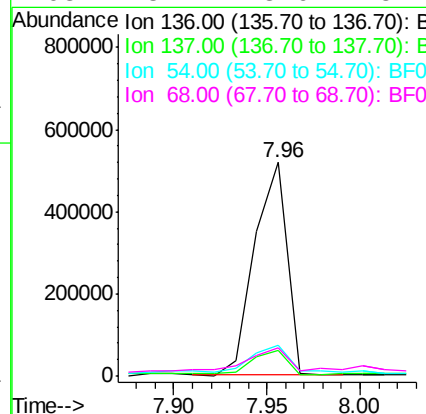
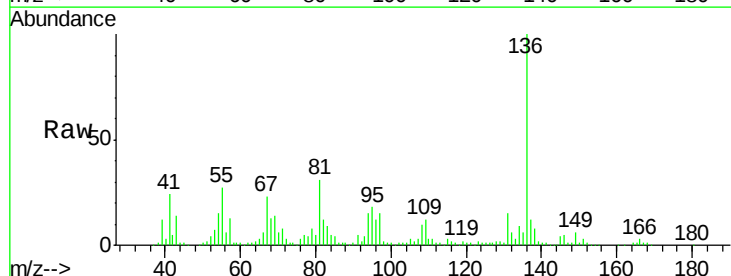
Instrument :
BNA_F
ClientSampleId :
MW-03

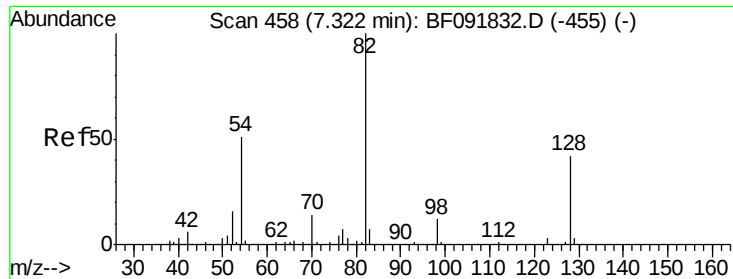
Tgt Ion: 70 Resp: 21446
Ion Ratio Lower Upper
70 100
42 43.7 49.4 74.0#
101 4.0 7.4 11.2#
130 0.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 531
Delta R.T. -0.00 min
Lab File: BF092088.D
Acq: 5 Jan 2017 00:37

Tgt Ion: 136 Resp: 623237
Ion Ratio Lower Upper
136 100
137 11.9 8.4 12.6
54 14.6 4.5 6.7#
68 13.1 3.6 5.4#

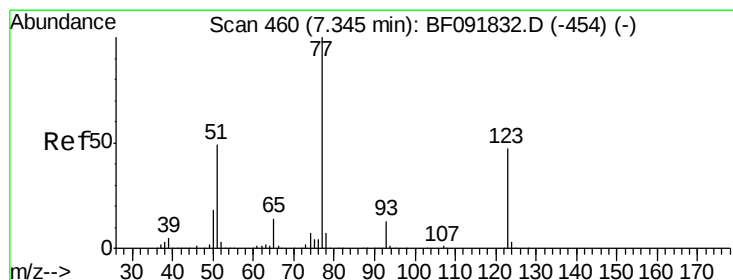
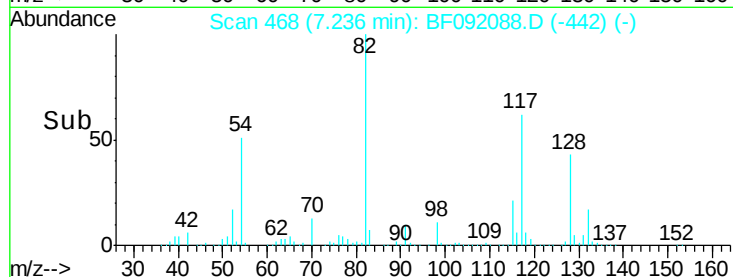
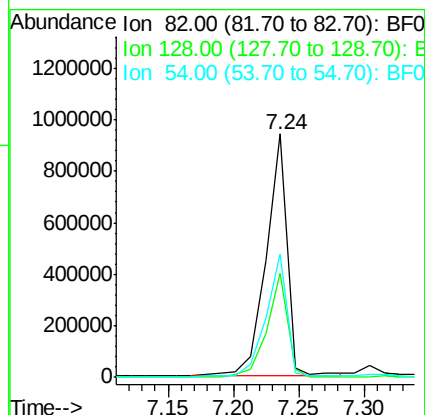
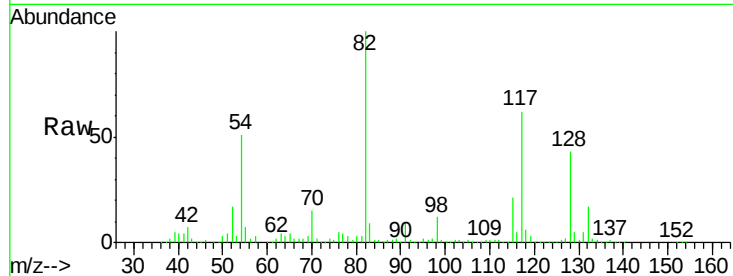




#23
 Nitrobenzene-d5
 Concen: 94.36 ng
 RT: 7.24 min Scan# 468
 Delta R.T. -0.00 min
 Lab File: BF092088.D
 Acq: 5 Jan 2017 00:37

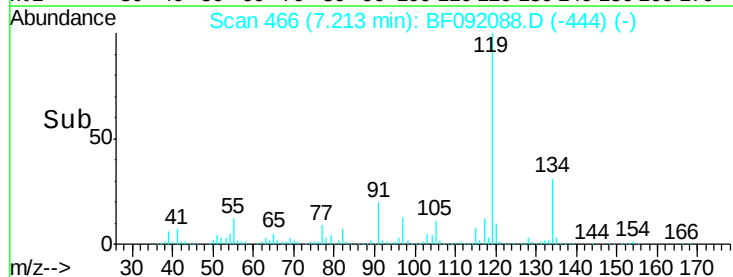
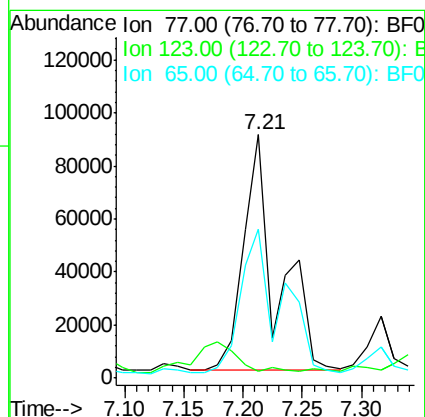
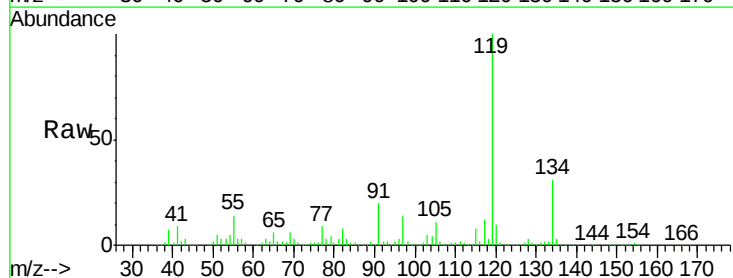
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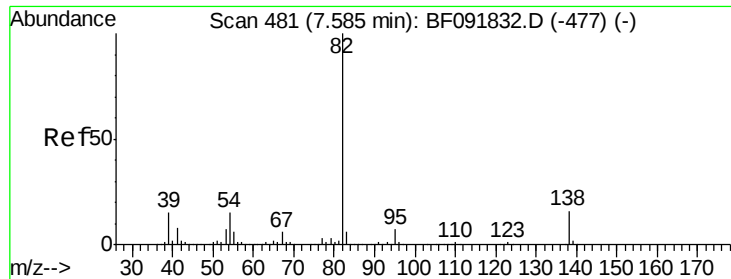
Tgt Ion: 82 Resp: 1057611
 Ion Ratio Lower Upper
 82 100
 128 42.6 34.6 52.0
 54 50.6 39.5 59.3



#24
 Nitrobenzene
 Concen: 14.46 ng
 RT: 7.21 min Scan# 466
 Delta R.T. -0.05 min
 Lab File: BF092088.D
 Acq: 5 Jan 2017 00:37

Tgt Ion: 77 Resp: 172599
 Ion Ratio Lower Upper
 77 100
 123 2.9 33.0 49.4#
 65 61.1 11.2 16.8#





#25

Isophorone

Concen: 3.67 ng

RT: 7.48 min Scan# 489

Delta R.T. -0.02 min

Lab File: BF092088.D

Acq: 5 Jan 2017 00:37

Instrument :

BNA_F

ClientSampleId :

MW-03

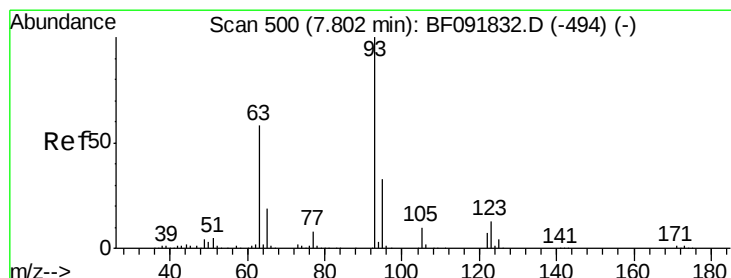
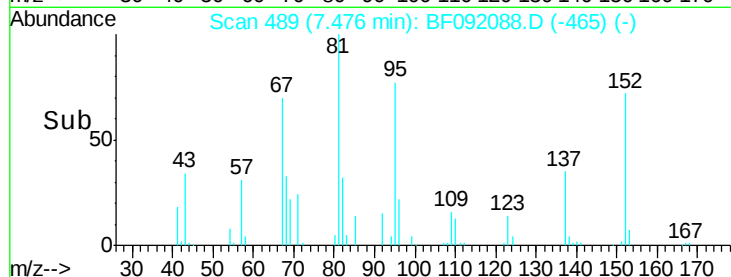
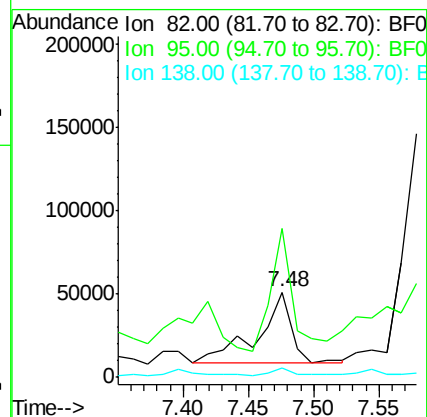
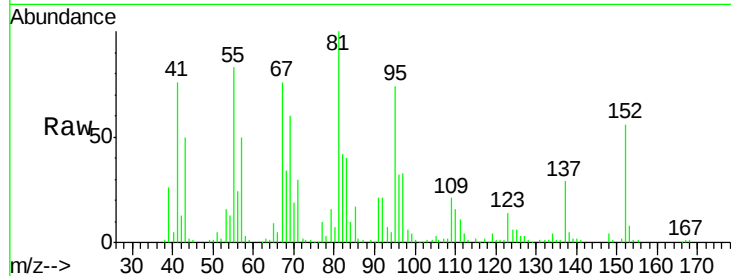
Tgt Ion: 82 Resp: 75941

Ion Ratio Lower Upper

82 100

95 174.9 5.6 8.4#

138 11.0 14.6 22.0#



#28

bis(2-Chloroethoxy)methane

Concen: 2.36 ng

RT: 7.70 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF092088.D

Acq: 5 Jan 2017 00:37

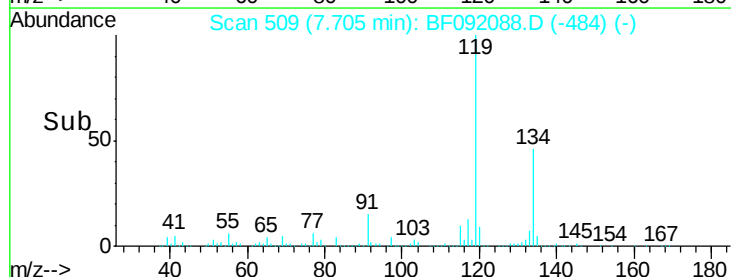
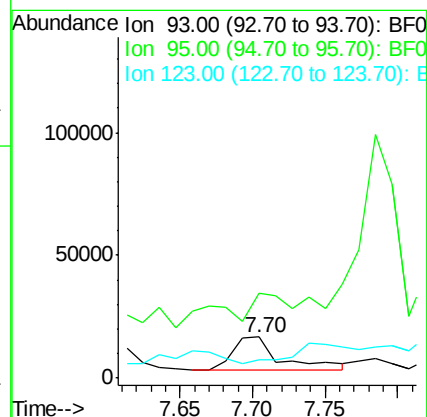
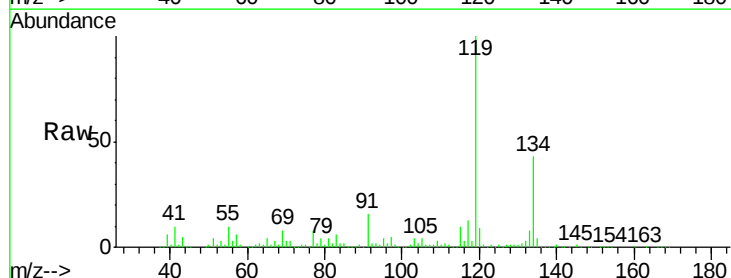
Tgt Ion: 93 Resp: 29534

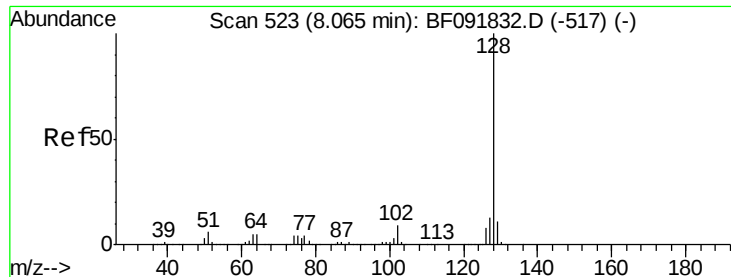
Ion Ratio Lower Upper

93 100

95 206.3 26.5 39.7#

123 43.1 8.6 13.0#

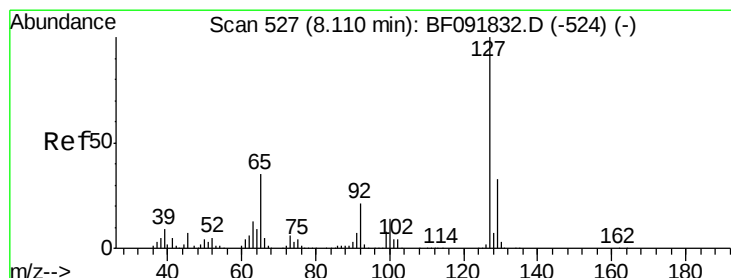
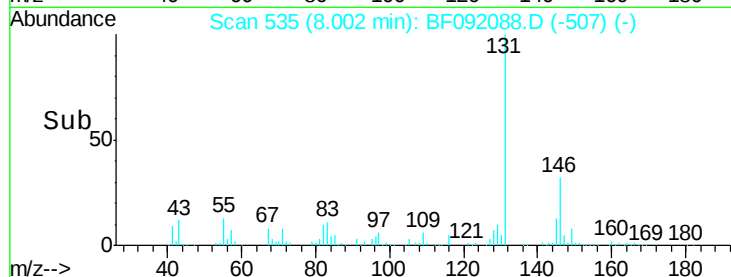
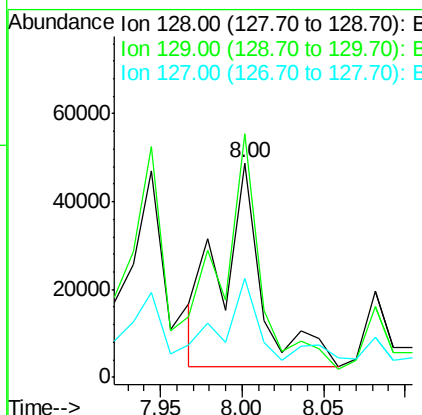
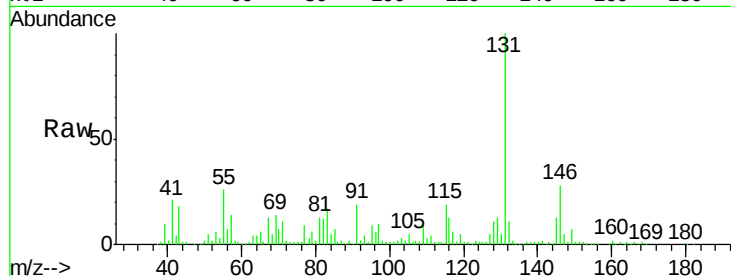




#31
Naphthalene
Concen: 2.79 ng
RT: 8.00 min Scan# 535
Delta R.T. 0.02 min
Lab File: BF092088.D
Acq: 5 Jan 2017 00:37

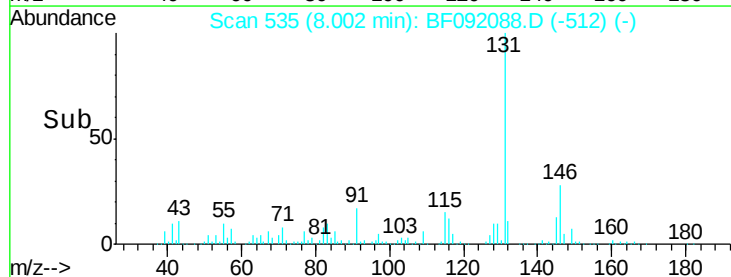
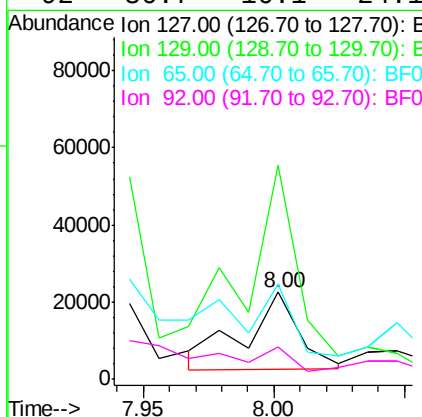
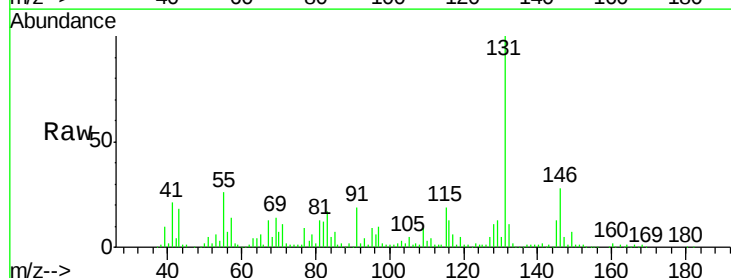
Instrument :
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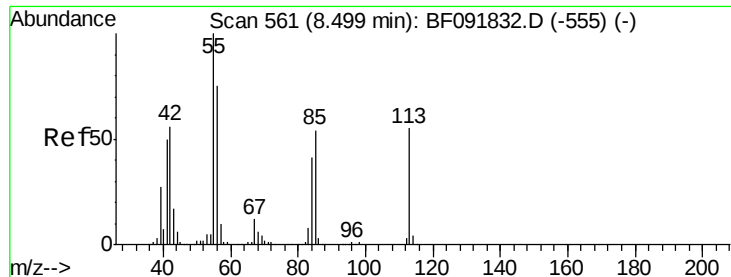
Tgt Ion:128 Resp: 79507
Ion Ratio Lower Upper
128 100
129 113.6 9.5 14.3#
127 46.0 10.8 16.2#



#33
4-Chloroaniline
Concen: 2.23 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.03 min
Lab File: BF092088.D
Acq: 5 Jan 2017 00:37

Tgt Ion:127 Resp: 28699
Ion Ratio Lower Upper
127 100
129 246.9 26.3 39.5#
65 109.5 25.8 38.8#
92 36.7 16.1 24.1#





#35

Caprolactam

Concen: 32.10 ng

RT: 8.39 min Scan# 569

Delta R.T. -0.02 min

Lab File: BF092088.D

Acq: 5 Jan 2017 00:37

Instrument :

BNA_F

ClientSampleId :

MW-03

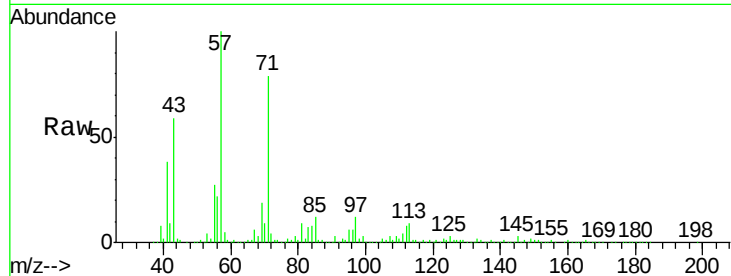
Tgt Ion:113 Resp: 87227

Ion Ratio Lower Upper

113 100

55 301.1 119.2 159.2#

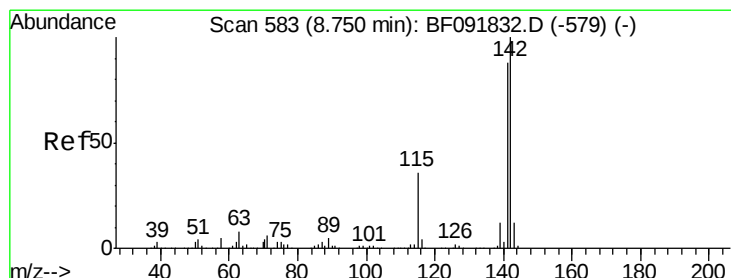
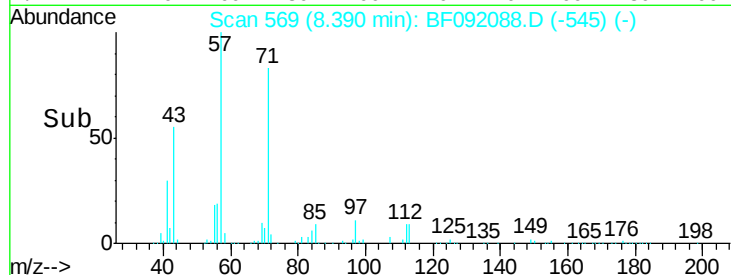
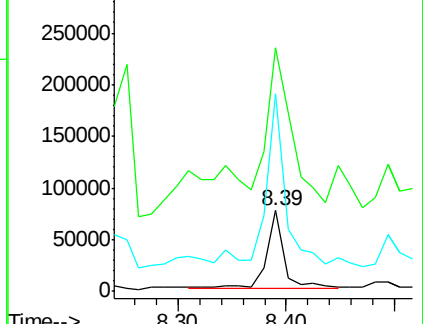
56 243.8 83.8 123.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 13.19 ng

RT: 8.66 min Scan# 593

Delta R.T. -0.00 min

Lab File: BF092088.D

Acq: 5 Jan 2017 00:37

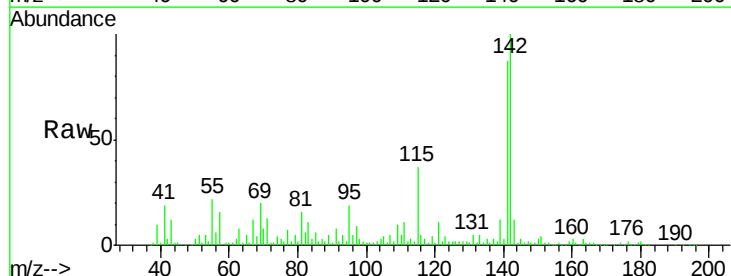
Tgt Ion:142 Resp: 290484

Ion Ratio Lower Upper

142 100

141 87.3 71.0 106.6

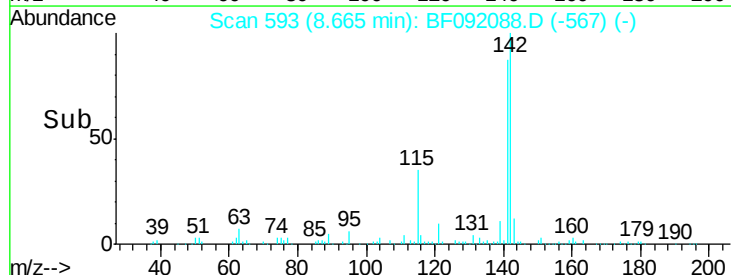
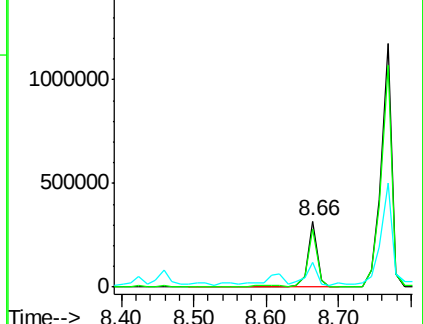
115 37.0 28.3 42.5

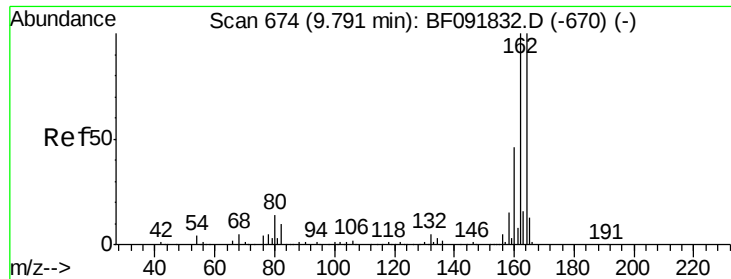


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.70 min Scan# 684

Delta R.T. -0.00 min

Lab File: BF092088.D

Acq: 5 Jan 2017 00:37

Instrument :

BNA_F

ClientSampleId :

MW-03

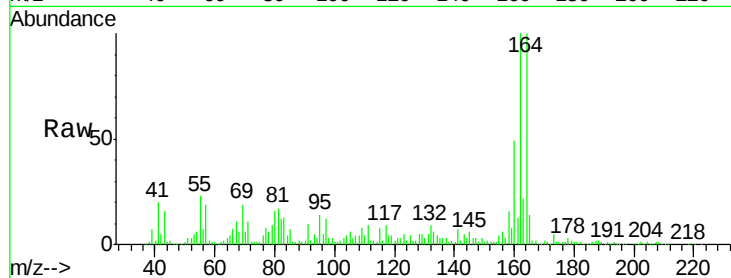
Tgt Ion:164 Resp: 368268

Ion Ratio Lower Upper

164 100

162 100.3 80.2 120.2

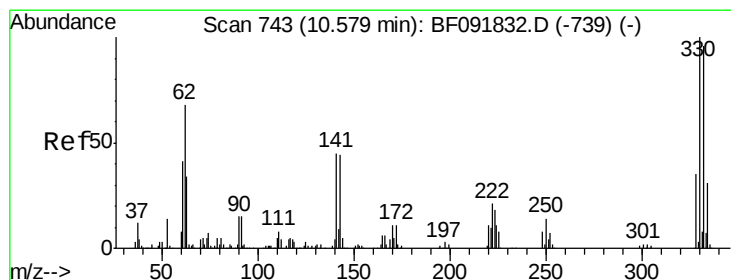
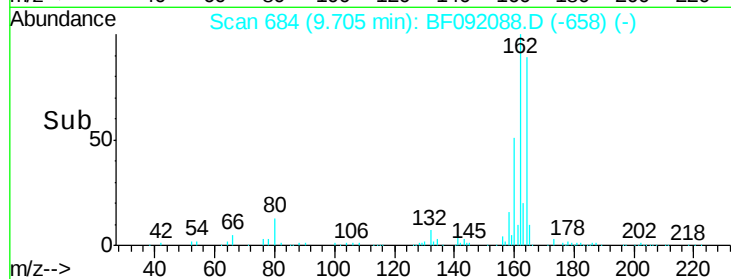
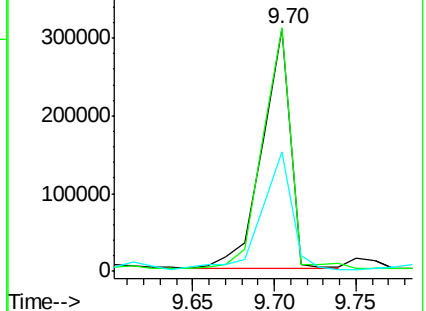
160 49.2 36.9 55.3



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: 151.46 ng

RT: 10.49 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF092088.D

Acq: 5 Jan 2017 00:37

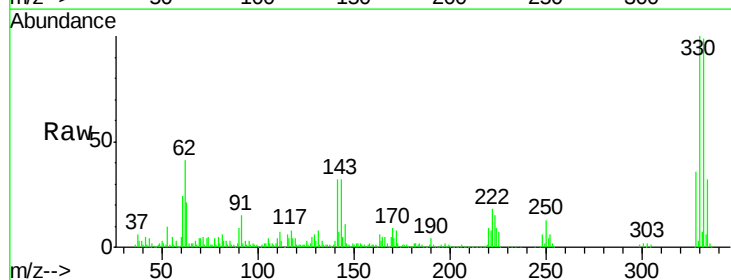
Tgt Ion:330 Resp: 461610

Ion Ratio Lower Upper

330 100

332 98.4 77.4 116.2

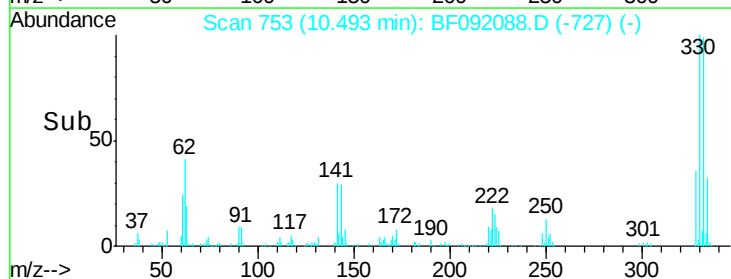
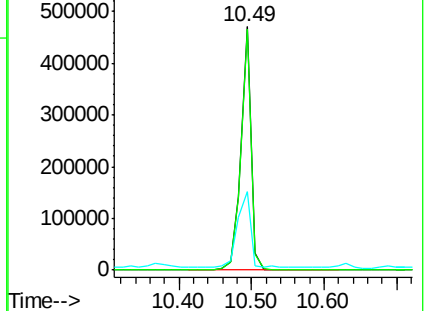
141 40.5 34.1 51.1

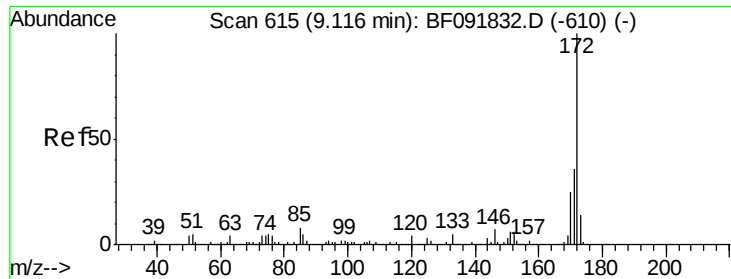


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

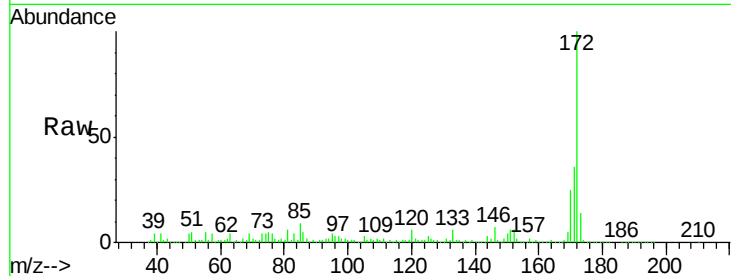




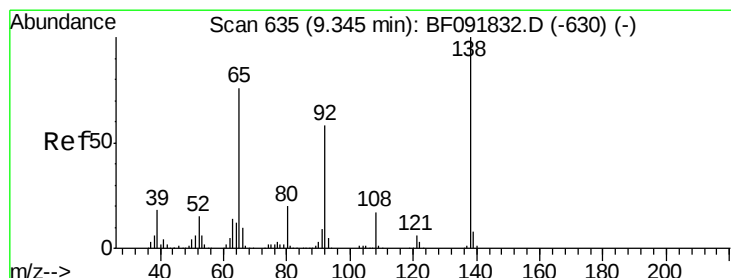
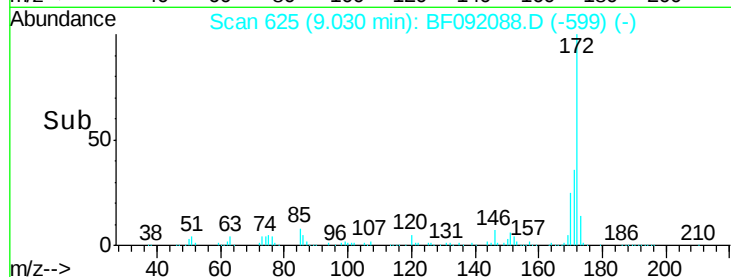
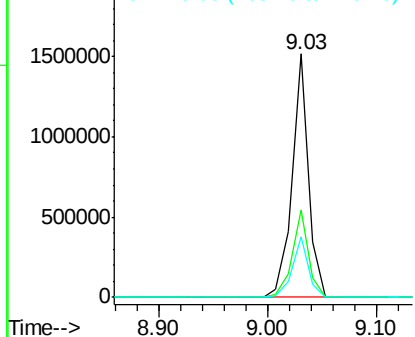
#44
 2-Fluorobiphenyl
 Concen: 89.88 ng
 RT: 9.03 min Scan# 625
 Delta R.T. -0.00 min
 Lab File: BF092088.D
 Acq: 5 Jan 2017 00:37

Instrument :
 BNA_F
 ClientSampleId :
 MW-03

Tgt Ion: 172 Resp: 1602222
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 24.8 20.2 30.4

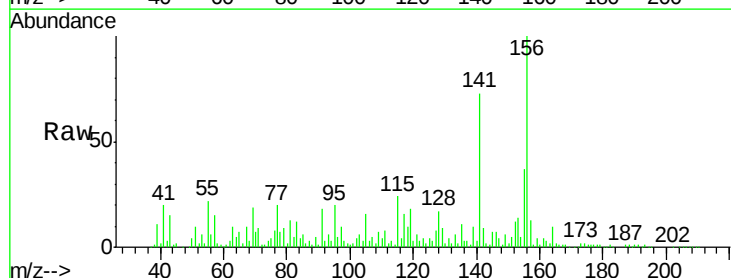


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

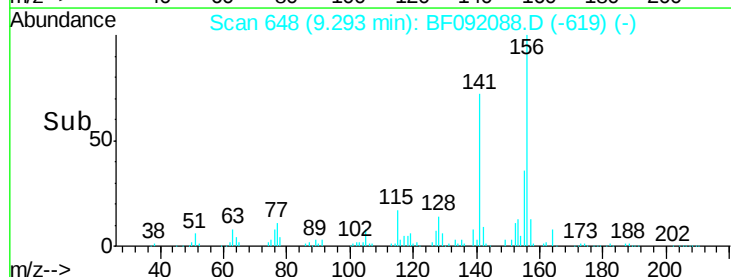
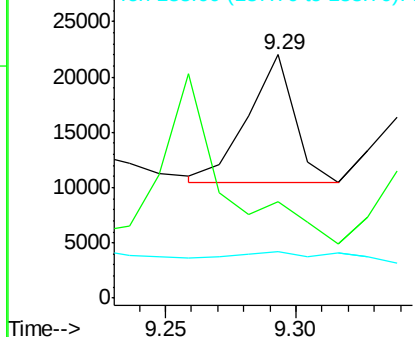


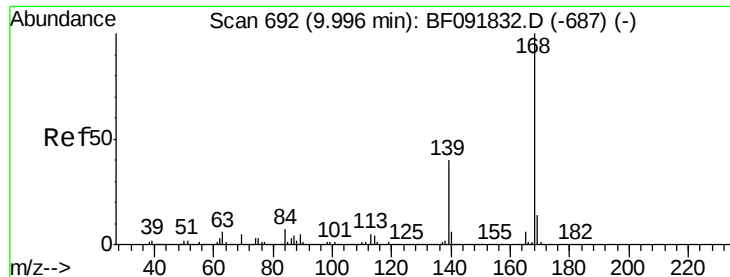
#47
 2-Nitroaniline
 Concen: 2.04 ng
 RT: 9.29 min Scan# 648
 Delta R.T. 0.03 min
 Lab File: BF092088.D
 Acq: 5 Jan 2017 00:37

Tgt Ion: 65 Resp: 14471
 Ion Ratio Lower Upper
 65 100
 92 39.7 53.9 80.9#
 138 19.1 76.8 115.2#



Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E

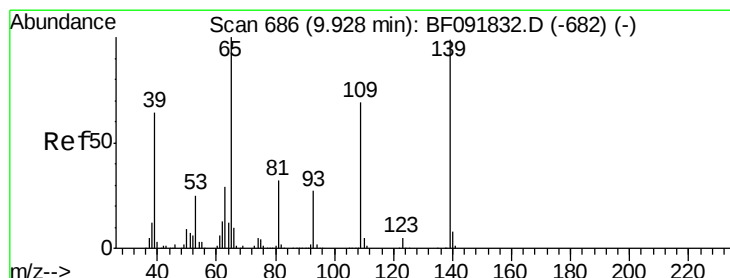
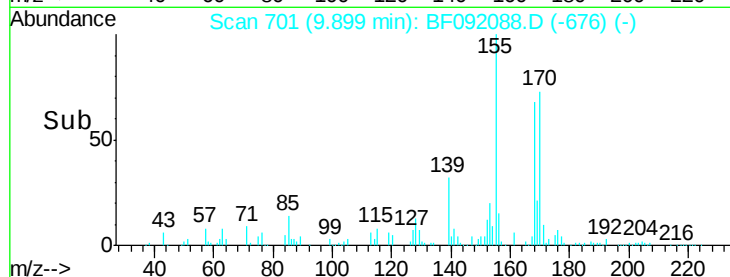
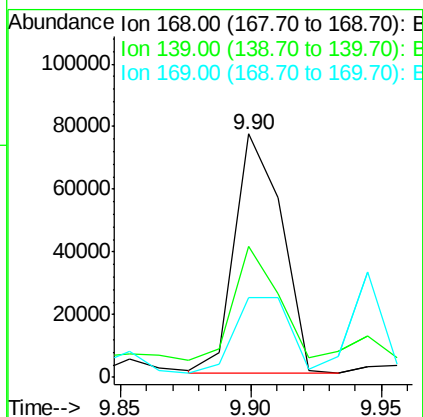
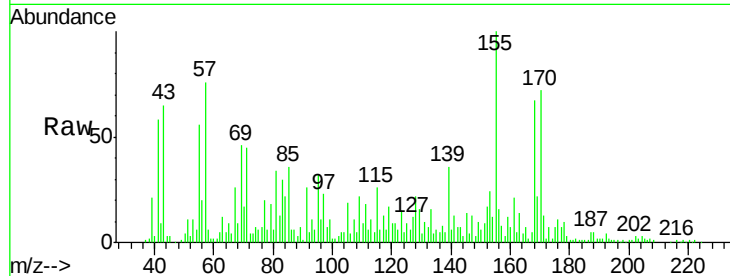




#54
Dibenzofuran
Concen: 3.39 ng
RT: 9.90 min Scan# 701
Delta R.T. -0.01 min
Lab File: BF092088.D
Acq: 5 Jan 2017 00:37

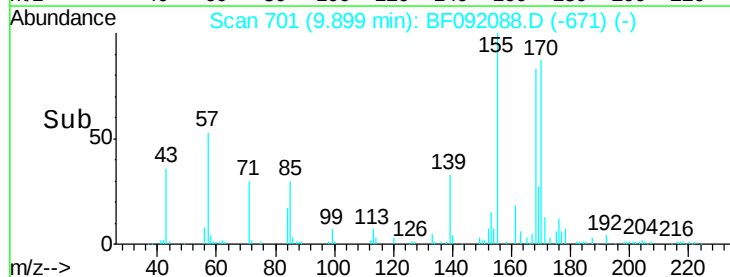
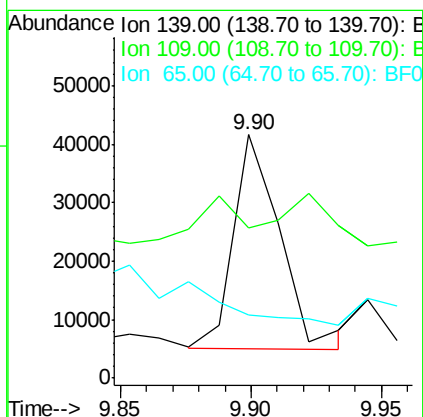
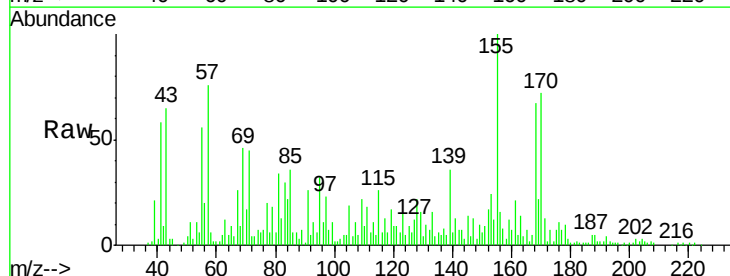
Instrument :
BNA_F
ClientSampleId :
MW-03

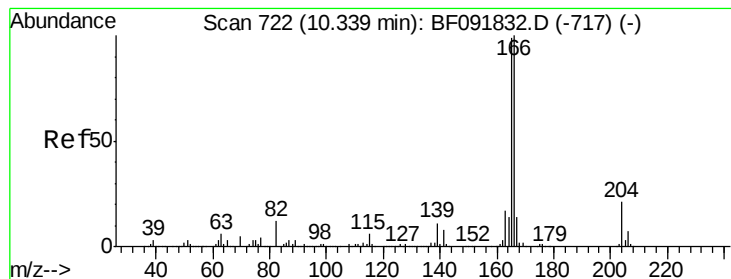
Tgt Ion:168 Resp: 95425
Ion Ratio Lower Upper
168 100
139 53.6 32.6 49.0#
169 32.7 11.3 16.9#



#55
4-Nitrophenol
Concen: 10.53 ng
RT: 9.90 min Scan# 701
Delta R.T. 0.05 min
Lab File: BF092088.D
Acq: 5 Jan 2017 00:37

Tgt Ion:139 Resp: 45599
Ion Ratio Lower Upper
139 100
109 61.7 52.2 92.2
65 25.9 85.8 125.8#





#57

Fluorene

Concen: 3.78 ng

RT: 10.24 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF092088.D

Acq: 5 Jan 2017 00:37

Instrument :

BNA_F

ClientSampleId :

MW-03

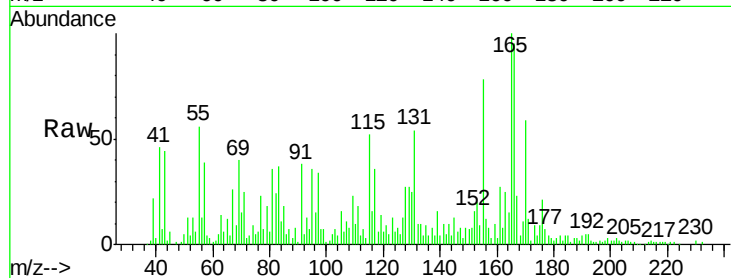
Tgt Ion:166 Resp: 77407

Ion Ratio Lower Upper

166 100

165 105.7 77.8 116.8

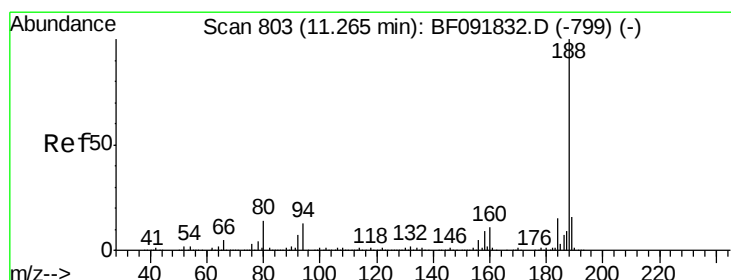
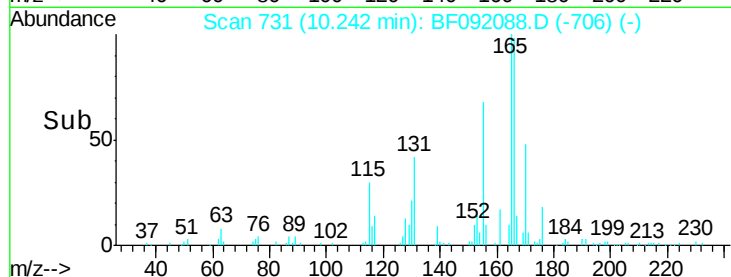
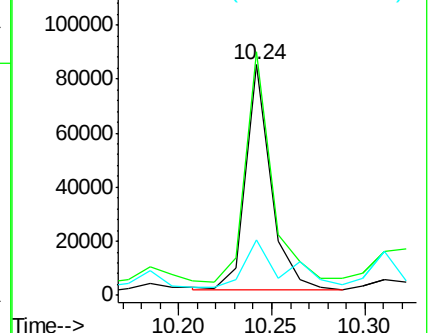
167 23.8 10.8 16.2#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.18 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF092088.D

Acq: 5 Jan 2017 00:37

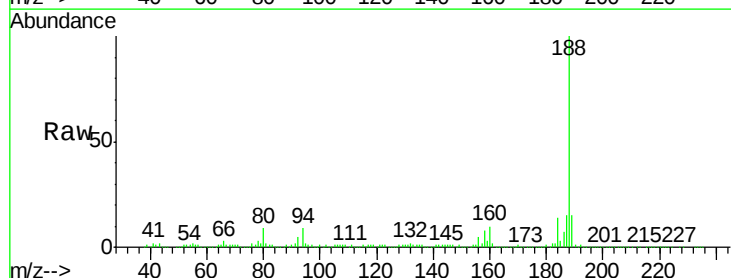
Tgt Ion:188 Resp: 715873

Ion Ratio Lower Upper

188 100

94 8.6 10.0 15.0#

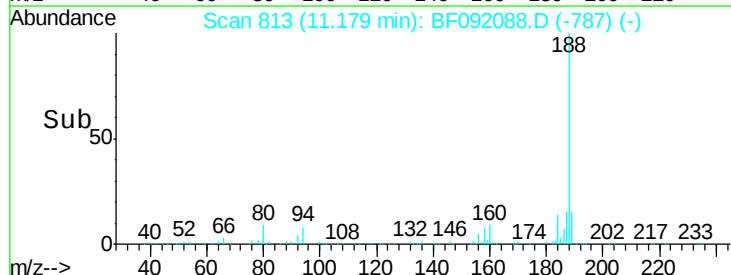
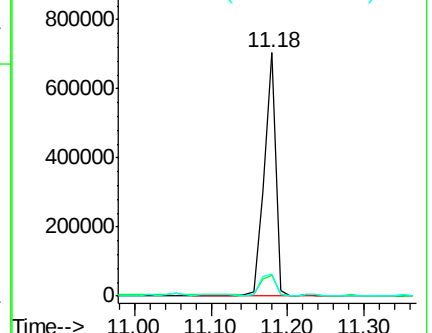
80 9.0 11.2 16.8#

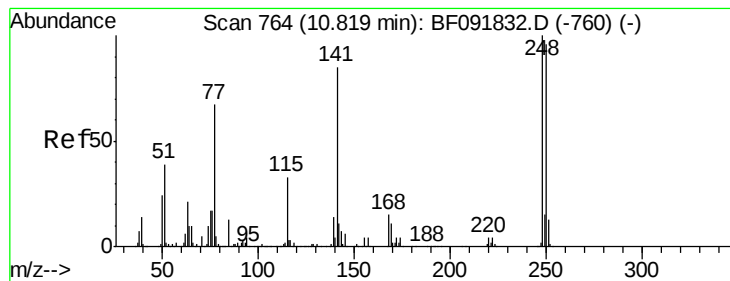


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.16 ng

RT: 10.49 min Scan# 753

Delta R.T. -0.24 min

Lab File: BF092088.D

Acq: 5 Jan 2017 00:37

Instrument :

BNA_F

ClientSampled :

MW-03

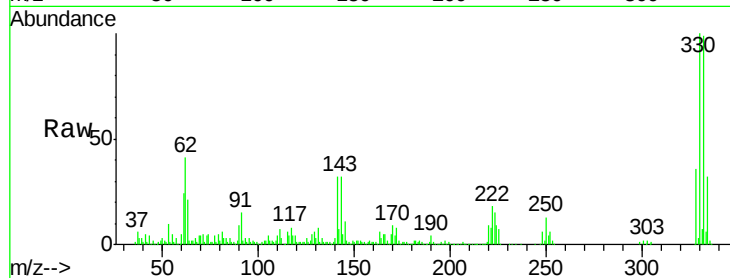
Tgt Ion:248 Resp: 30948

Ion Ratio Lower Upper

248 100

250 199.6 76.9 115.3#

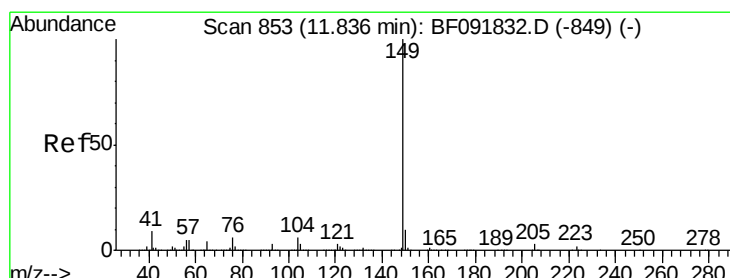
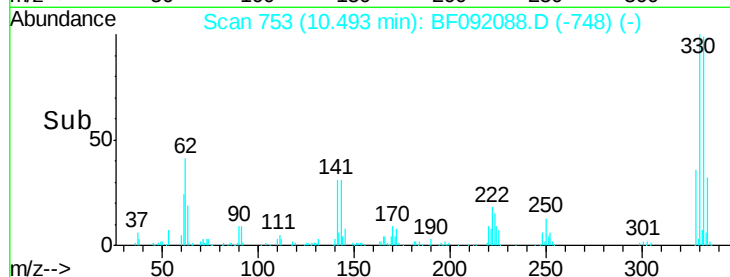
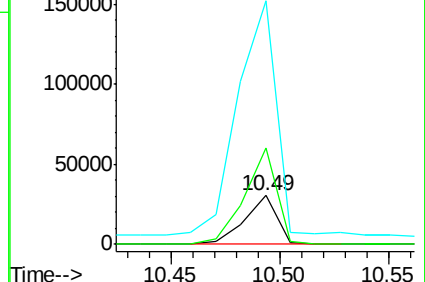
141 502.0 68.2 102.4#



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: 11.75 min Scan# 863

Delta R.T. -0.00 min

Lab File: BF092088.D

Acq: 5 Jan 2017 00:37

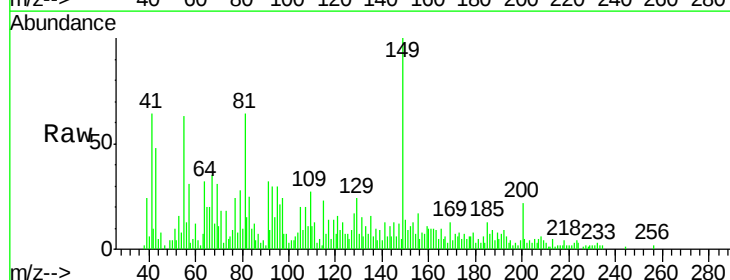
Tgt Ion:149 Resp: 19419

Ion Ratio Lower Upper

149 100

150 13.9 8.1 12.1#

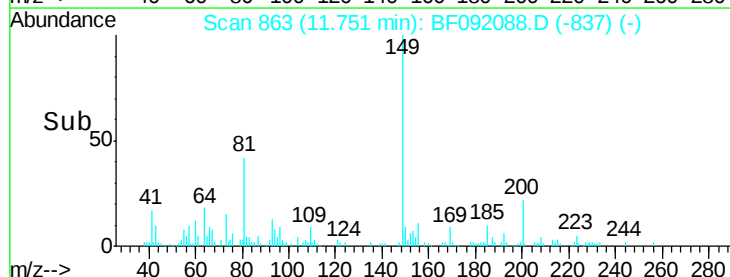
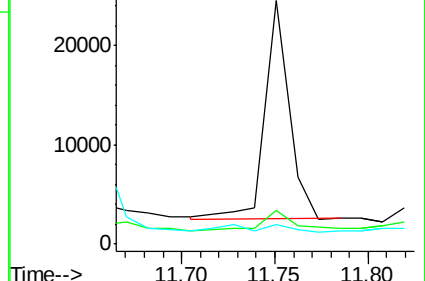
104 8.3 4.6 7.0#

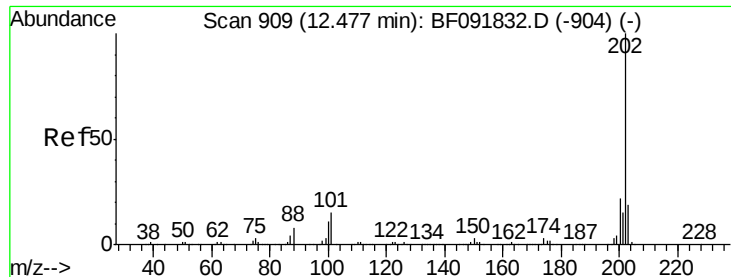


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 12.38 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF092088.D

Acq: 5 Jan 2017 00:37

Instrument :

BNA_F

ClientSampleId :

MW-03

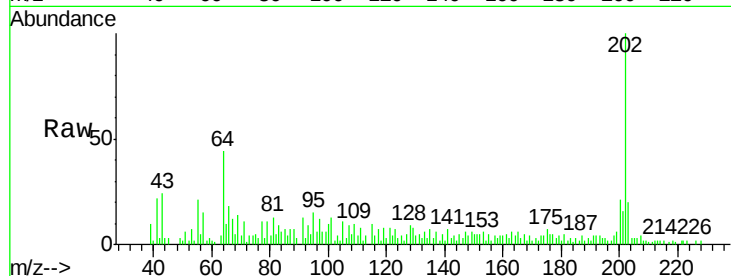
Tgt Ion:202 Resp: 20614

Ion Ratio Lower Upper

202 100

101 13.4 0.0 34.6

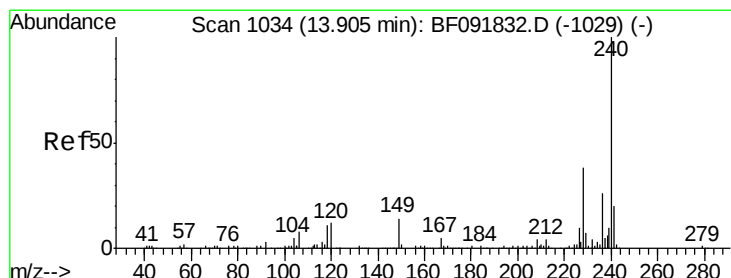
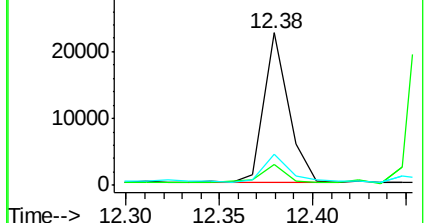
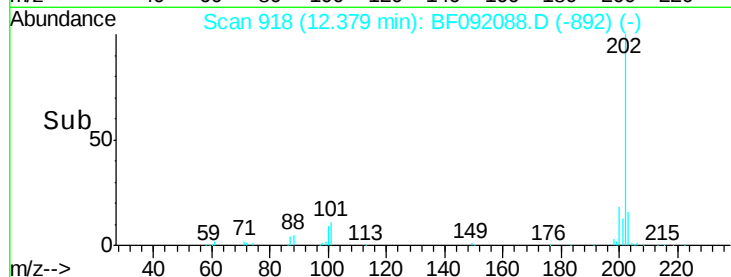
203 20.1 0.0 38.7



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: 13.80 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF092088.D

Acq: 5 Jan 2017 00:37

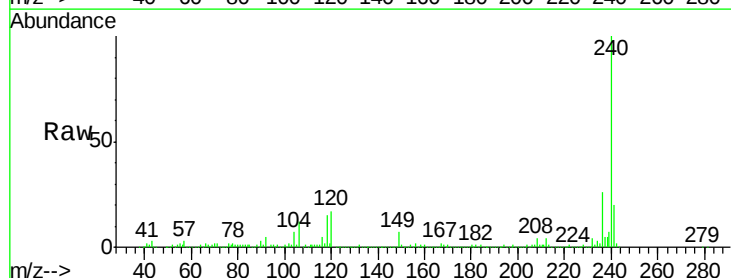
Tgt Ion:240 Resp: 582500

Ion Ratio Lower Upper

240 100

120 16.9 12.9 19.3

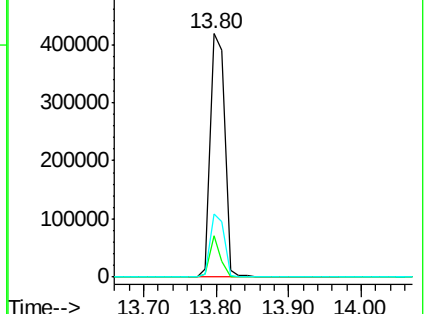
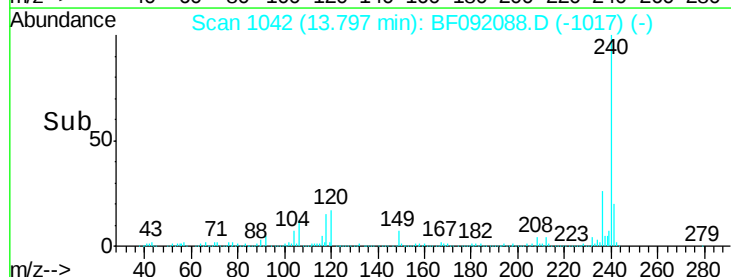
236 25.9 20.9 31.3

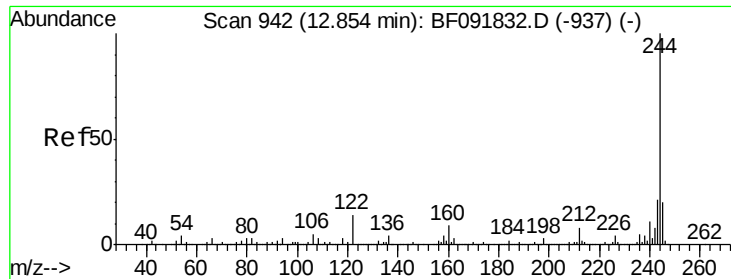


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

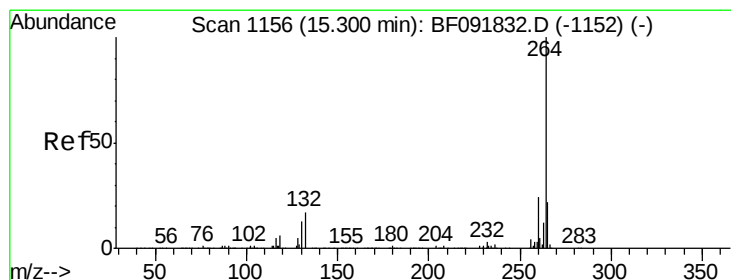
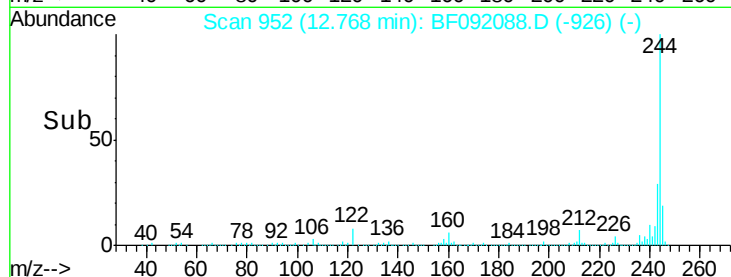
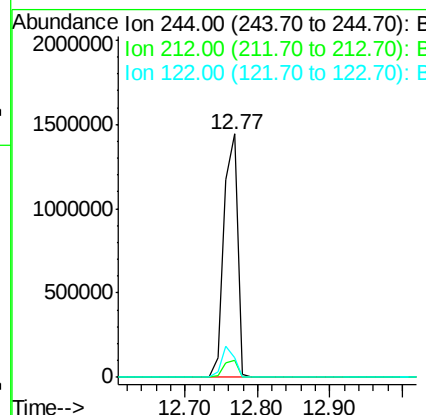
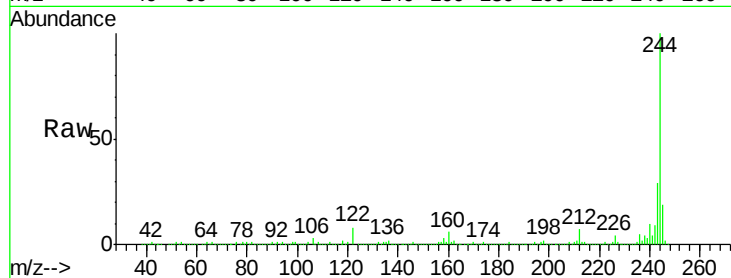




#78
 Terphenyl-d14
 Concen: 78.80 ng
 RT: 12.77 min Scan# 952
 Delta R.T. -0.00 min
 Lab File: BF092088.D
 Acq: 5 Jan 2017 00:37

Instrument :
 BNA_F
 ClientSampleId :
 MW-03

Tgt Ion:244 Resp: 1892621
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.2 9.2
 122 8.0 11.4 17.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.18 min Scan# 1163
 Delta R.T. -0.00 min
 Lab File: BF092088.D
 Acq: 5 Jan 2017 00:37

Tgt Ion:264 Resp: 481477
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.9 17.4 26.0

