

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120516\
 Data File : BF091426.D
 Acq On : 5 Dec 2016 19:05
 Operator : UM/SJ
 Sample : H5838-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-14

Quant Time: Dec 06 00:07:17 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

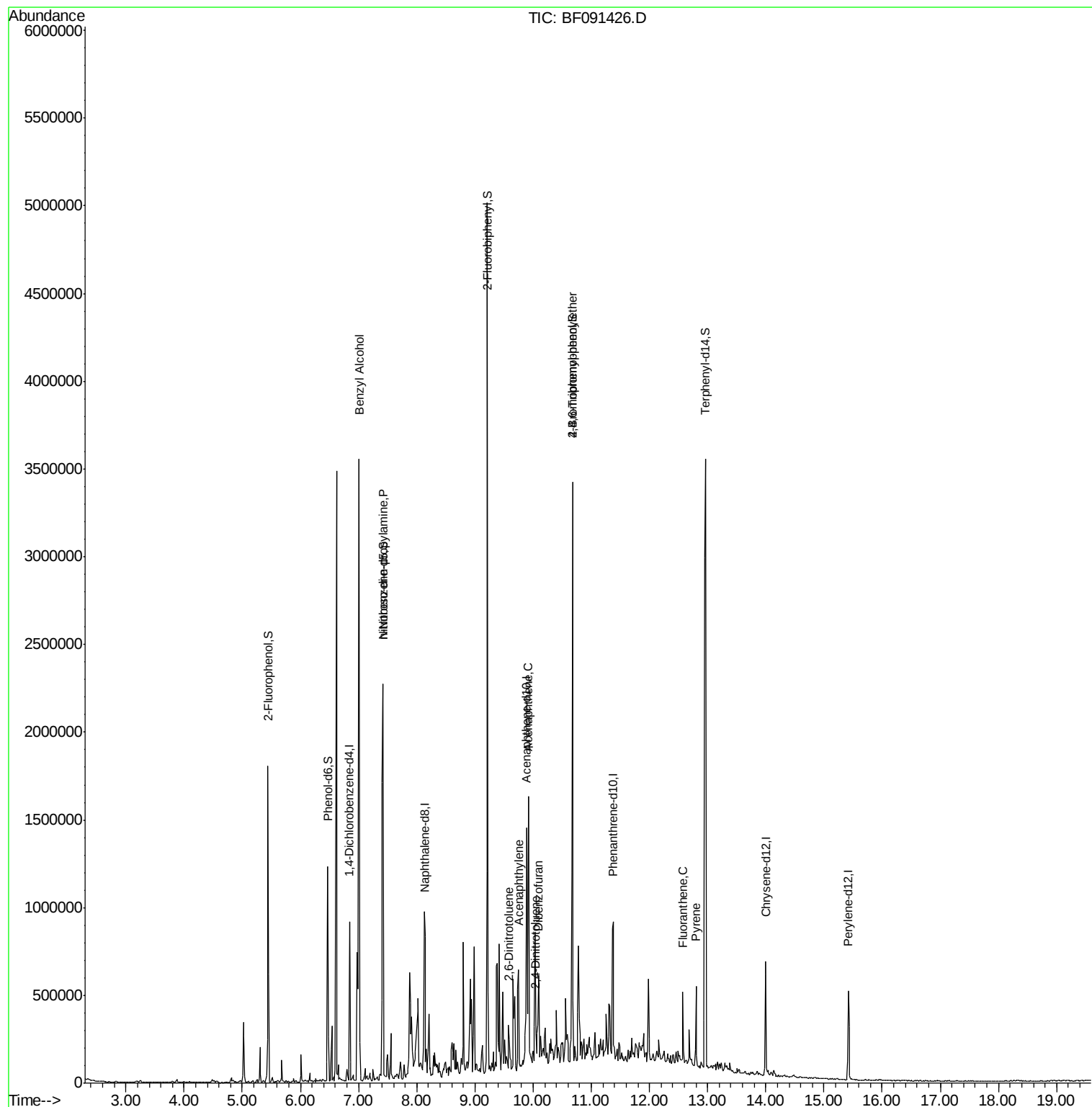
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	118714	20.00	ng	-0.03
21) Naphthalene-d8	8.14	136	448608	20.00	ng	-0.03
38) Acenaphthene-d10	9.89	164	281061	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	450741	20.00	ng	-0.03
75) Chrysene-d12	14.00	240	322872	20.00	ng	-0.04
86) Perylene-d12	15.42	264	257922	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	467258	64.30	ng	-0.03
7) Phenol-d6	6.47	99	351814	39.33	ng	-0.03
23) Nitrobenzene-d5	7.42	82	899224	112.33	ng	-0.03
41) 2,4,6-Tribromophenol	10.68	330	386848	145.39	ng	-0.03
44) 2-Fluorobiphenyl	9.21	172	1502906	96.82	ng	-0.03
78) Terphenyl-d14	12.96	244	1626672	109.50	ng	-0.03
Target Compounds						
15) Benzyl Alcohol	7.01	79	21360	2.98	ng	# 41
19) n-Nitroso-di-n-propylamine	7.42	70	122317	21.70	ng	# 66
48) Acenaphthylene	9.75	152	114370	4.83	ng	# 92
50) 2,6-Dinitrotoluene	9.58	165	14734	3.87	ng	# 65
51) Acenaphthene	9.92	154	327672	20.50	ng	97
54) Dibenzofuran	10.09	168	168273	7.86	ng	92
56) 2,4-Dinitrotoluene	10.05	165	13378	2.71	ng	# 68
66) 4-Bromophenyl-phenylether	10.68	248	24343	5.02	ng	# 1
74) Fluoranthene	12.57	202	158059	7.12	ng	99
77) Pyrene	12.80	202	185816	7.58	ng	98

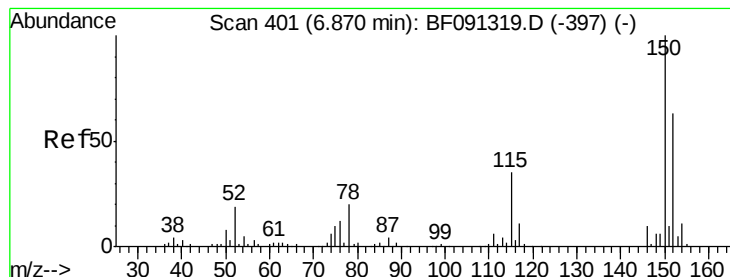
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 399

Delta R.T. -0.03 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

Instrument :

BNA_F

ClientSampleId :

MW-14

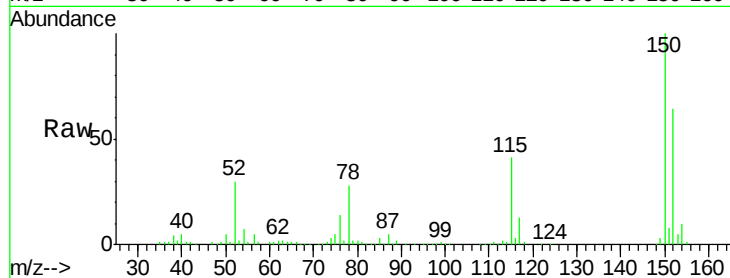
Tgt Ion:152 Resp: 118714

Ion Ratio Lower Upper

152 100

150 155.9 122.5 183.7

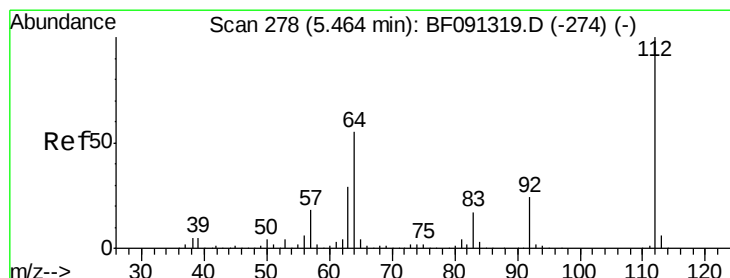
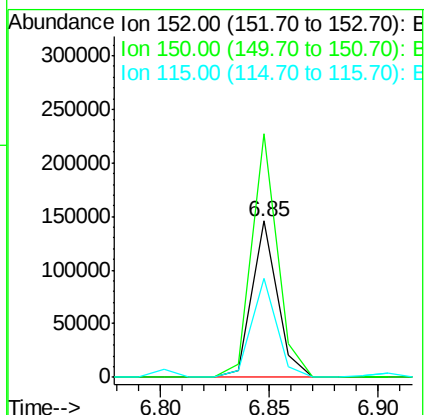
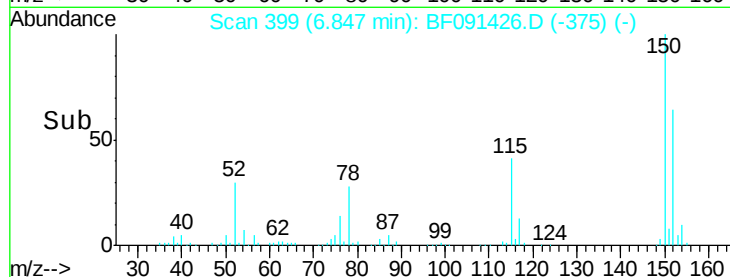
115 63.2 51.8 77.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 64.30 ng

RT: 5.44 min Scan# 276

Delta R.T. -0.03 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

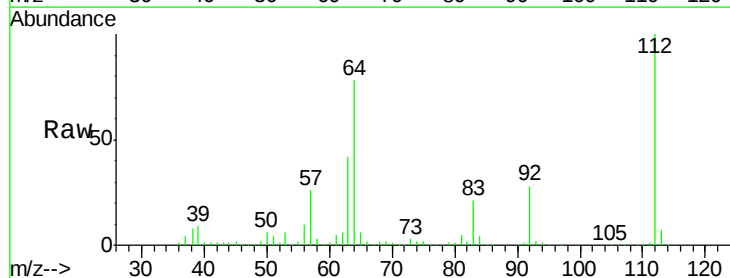
Tgt Ion:112 Resp: 467258

Ion Ratio Lower Upper

112 100

64 77.8 61.5 92.3

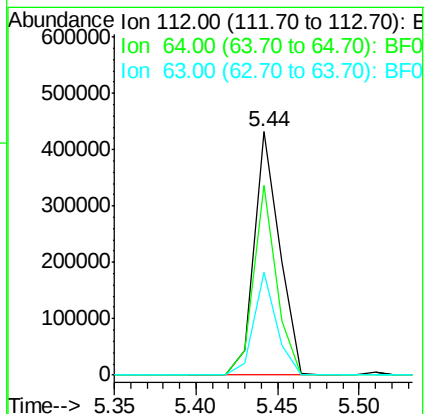
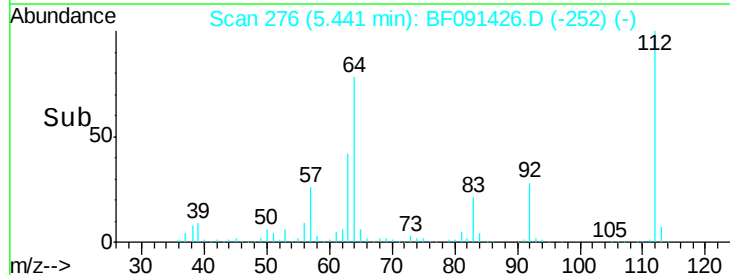
63 42.0 33.3 49.9

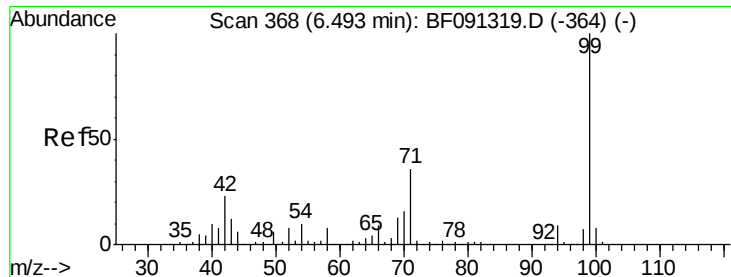


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.33 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.03 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

Instrument :

BNA_F

ClientSampled :

MW-14

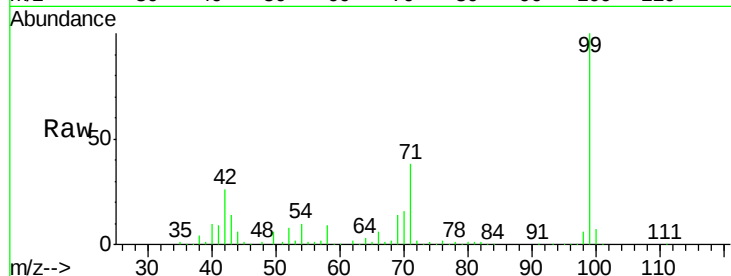
Tgt Ion: 99 Resp: 351814

Ion Ratio Lower Upper

99 100

42 25.9 20.6 31.0

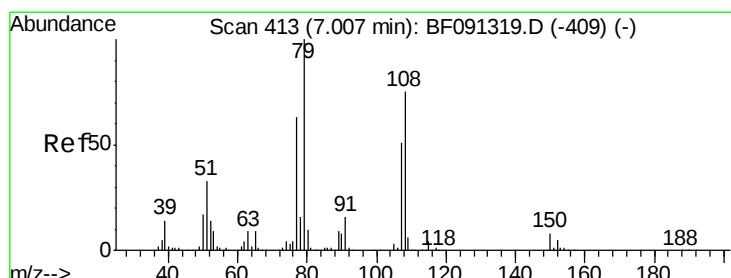
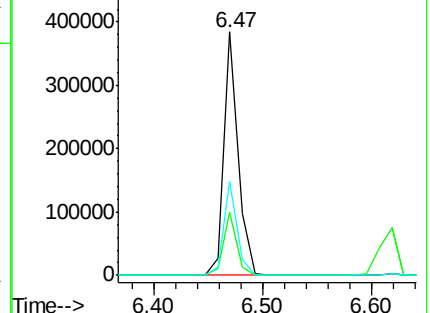
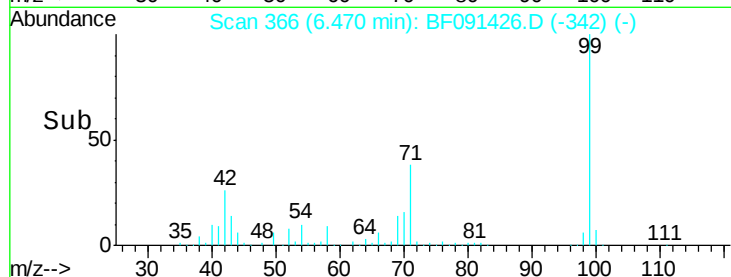
71 38.4 29.9 44.9



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



#15

Benzyl Alcohol

Concen: 2.98 ng

RT: 7.01 min Scan# 413

Delta R.T. -0.02 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

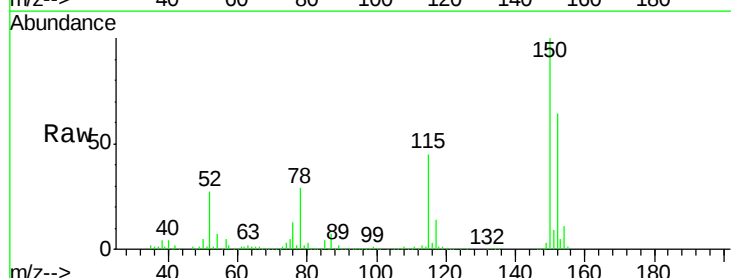
Tgt Ion: 79 Resp: 21360

Ion Ratio Lower Upper

79 100

108 26.5 62.7 94.1#

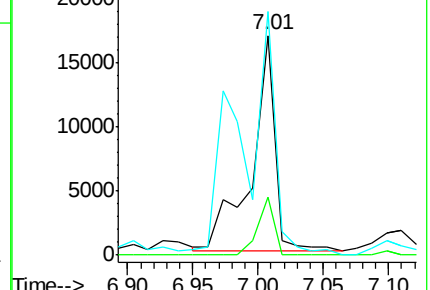
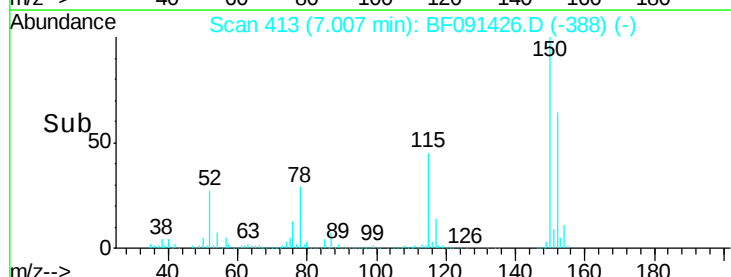
77 110.7 51.7 77.5#

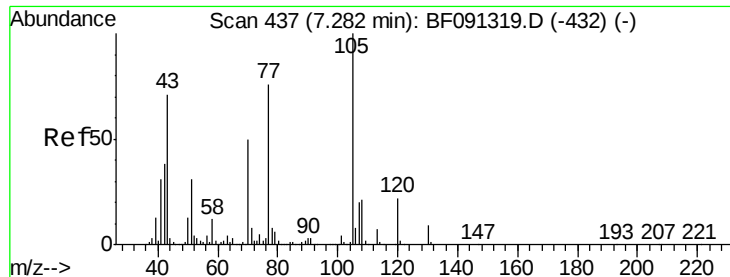


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

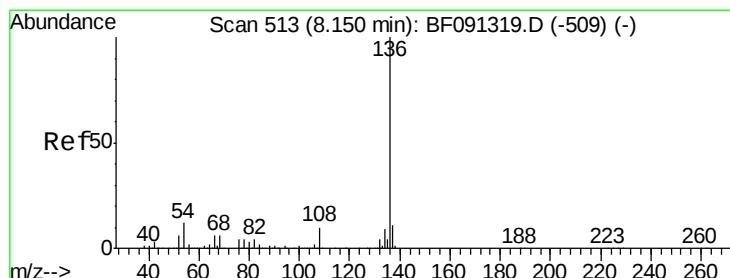
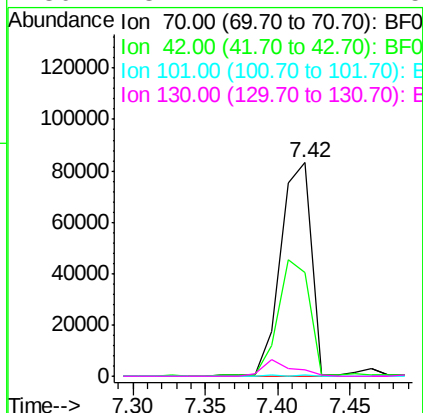
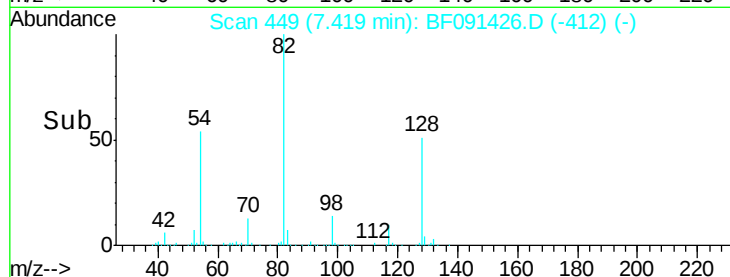
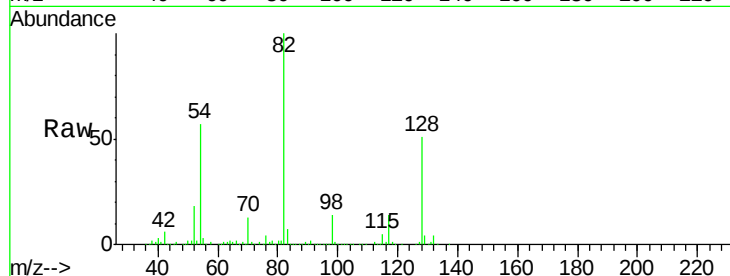




#19
n-Nitroso-di-n-propylamine
Concen: 21.70 ng
RT: 7.42 min Scan# 449
Delta R.T. 0.12 min
Lab File: BF091426.D
Acq: 5 Dec 2016 19:05

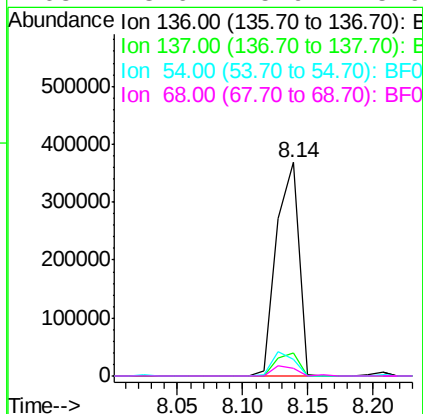
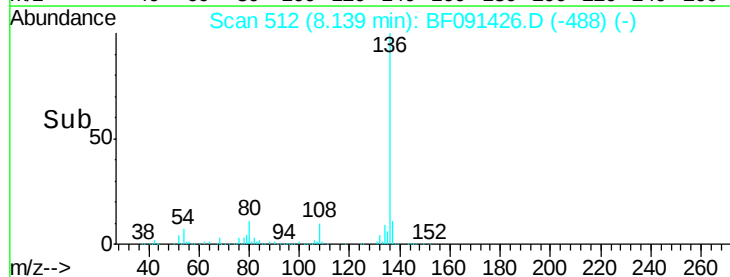
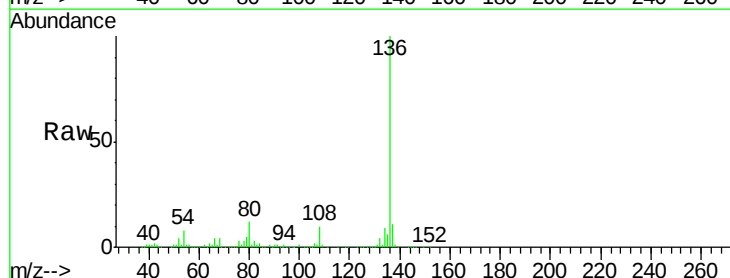
Instrument :
BNA_F
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MW-14

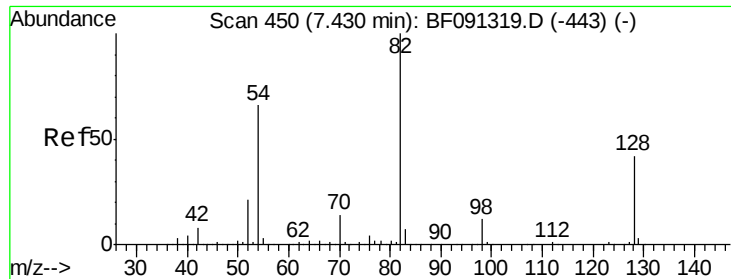
Tgt Ion: 70 Resp: 122317
Ion Ratio Lower Upper
70 100
42 48.6 64.8 97.2#
101 0.4 6.2 9.4#
130 3.1 11.7 17.5#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 512
Delta R.T. -0.03 min
Lab File: BF091426.D
Acq: 5 Dec 2016 19:05

Tgt Ion: 136 Resp: 448608
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 7.6 9.1 13.7#
68 3.6 5.9 8.9#

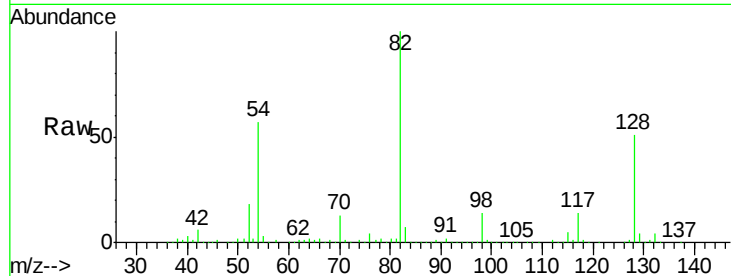




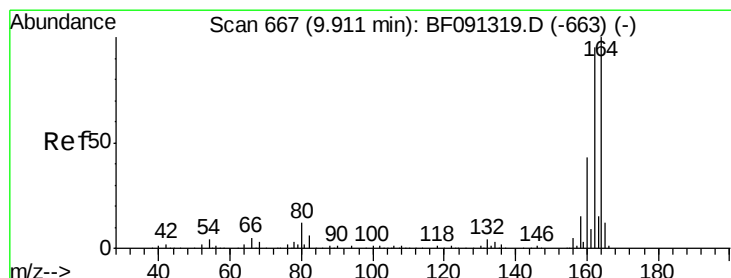
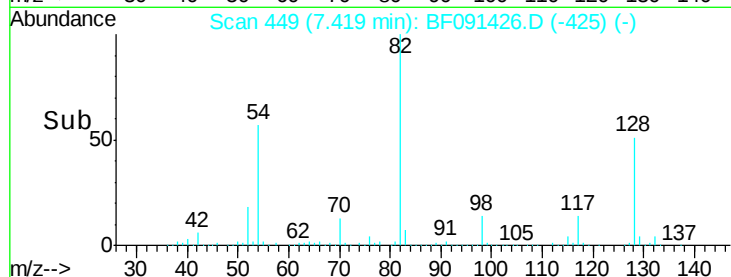
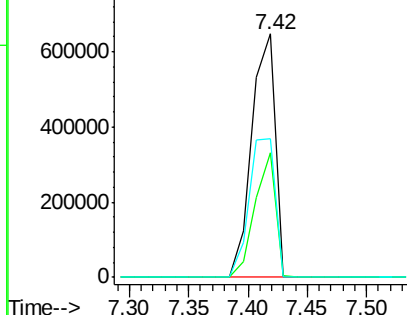
#23
 Nitrobenzene-d5
 Concen: 112.33 ng
 RT: 7.42 min Scan# 449
 Delta R.T. -0.03 min
 Lab File: BF091426.D
 Acq: 5 Dec 2016 19:05

Instrument :
 BNA_F
 ClientSampleId :
 MW-14

Tgt Ion: 82 Resp: 899224
 Ion Ratio Lower Upper
 82 100
 128 51.4 31.8 47.6#
 54 57.0 49.1 73.7

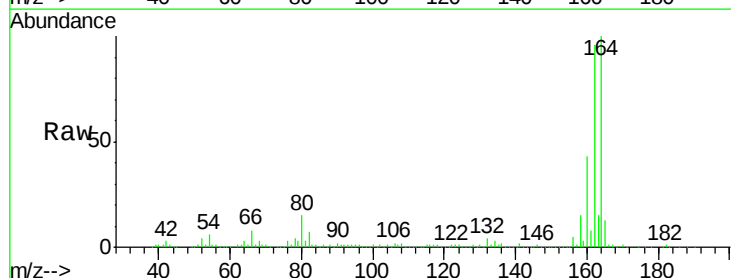


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

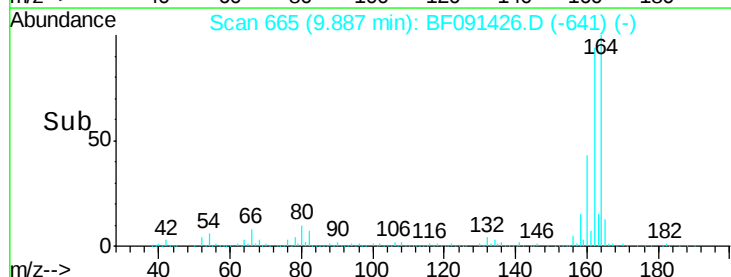
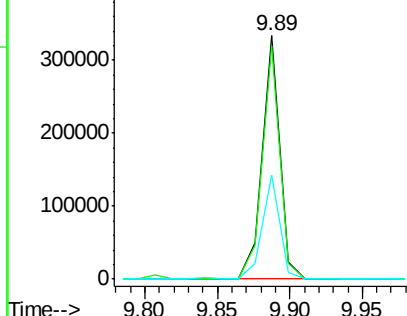


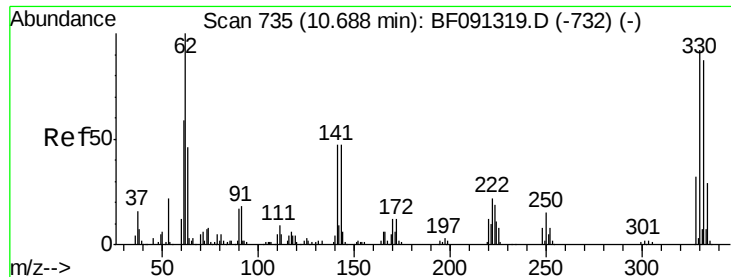
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 665
 Delta R.T. -0.03 min
 Lab File: BF091426.D
 Acq: 5 Dec 2016 19:05

Tgt Ion: 164 Resp: 281061
 Ion Ratio Lower Upper
 164 100
 162 95.7 82.6 124.0
 160 42.6 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

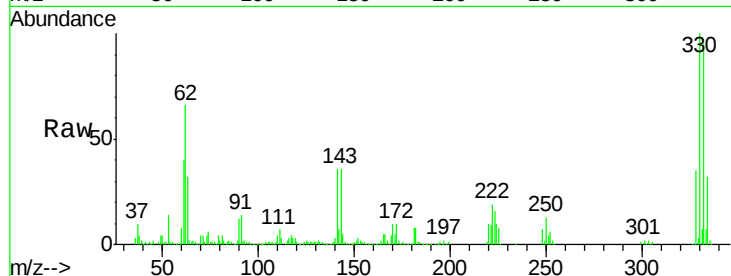




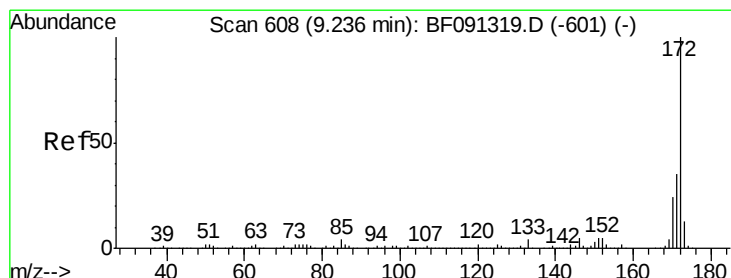
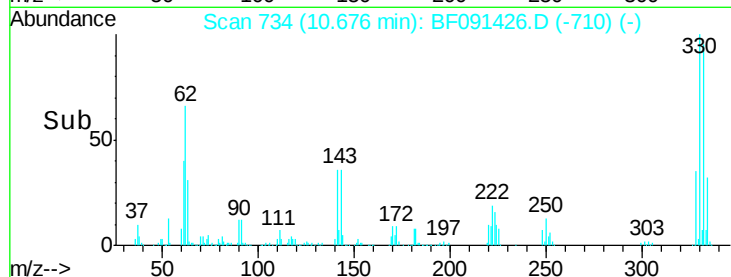
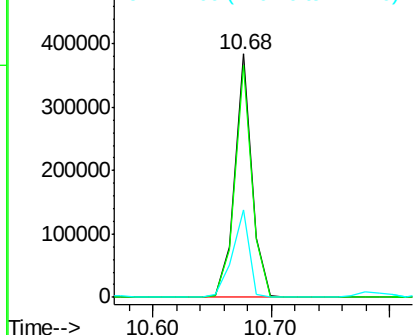
#41
 2,4,6-Tribromophenol
 Concen: 145.39 ng
 RT: 10.68 min Scan# 734
 Delta R.T. -0.03 min
 Lab File: BF091426.D
 Acq: 5 Dec 2016 19:05

Instrument :
 BNA_F
 ClientSampleId :
 MW-14

Tgt Ion:330 Resp: 386848
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.2 114.4
 141 35.1 33.6 50.4

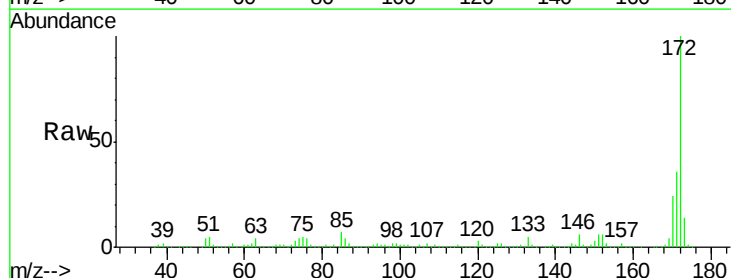


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

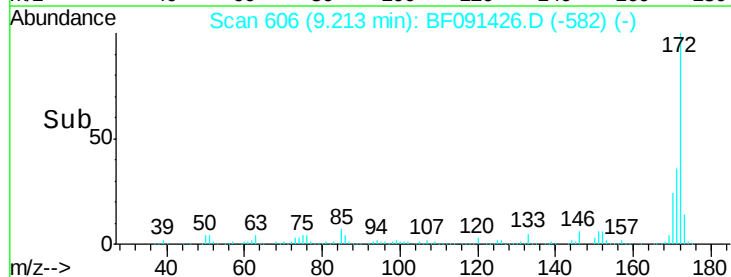
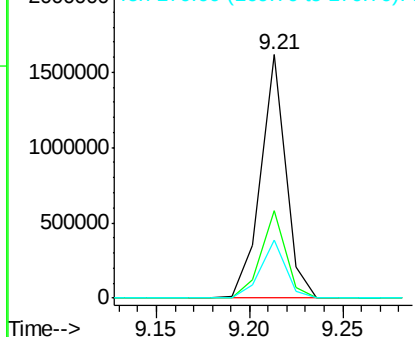


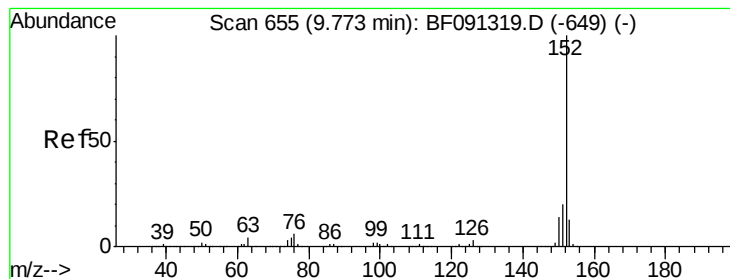
#44
 2-Fluorobiphenyl
 Concen: 96.82 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.03 min
 Lab File: BF091426.D
 Acq: 5 Dec 2016 19:05

Tgt Ion:172 Resp: 1502906
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.0
 170 24.1 19.7 29.5



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





#48

Acenaphthylene

Concen: 4.83 ng

RT: 9.75 min Scan# 653

Delta R.T. -0.03 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

Instrument :

BNA_F

ClientSampleId :

MW-14

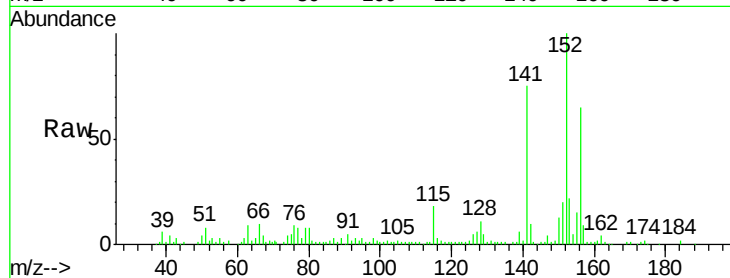
Tgt Ion:152 Resp: 114370

Ion Ratio Lower Upper

152 100

151 20.4 16.6 24.8

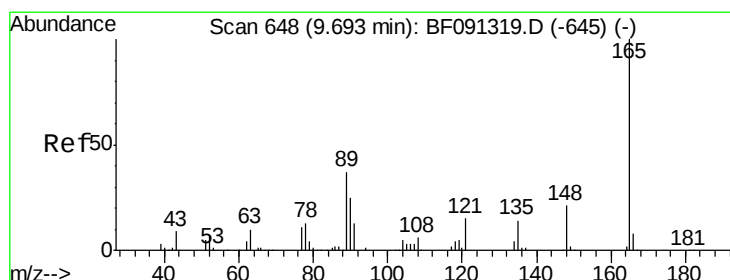
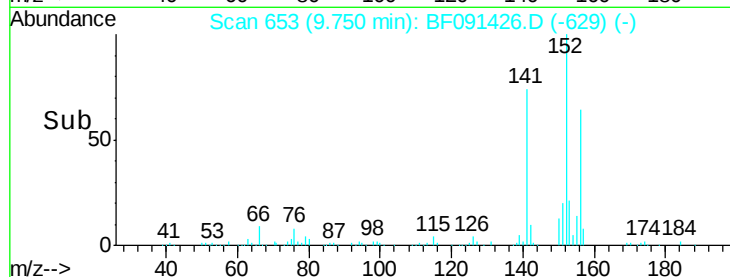
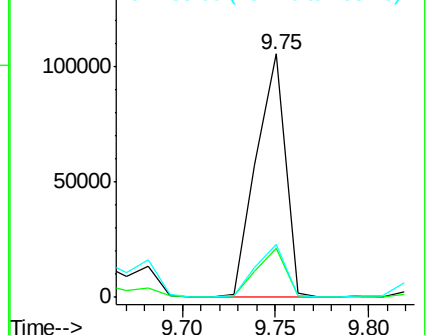
153 21.6 10.7 16.1#



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: 3.87 ng

RT: 9.58 min Scan# 638

Delta R.T. -0.12 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

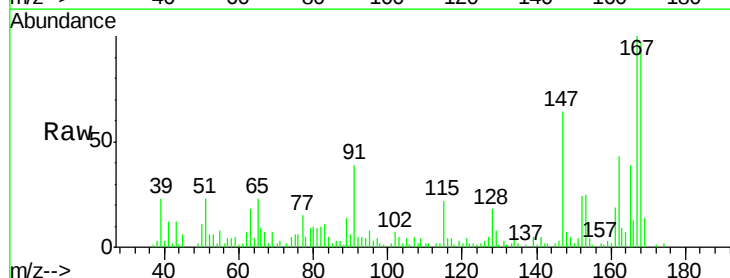
Tgt Ion:165 Resp: 14734

Ion Ratio Lower Upper

165 100

63 45.0 59.4 89.0#

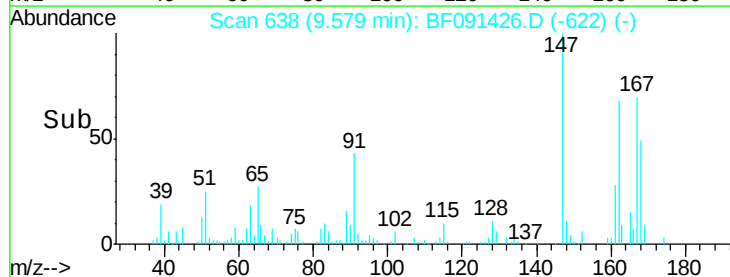
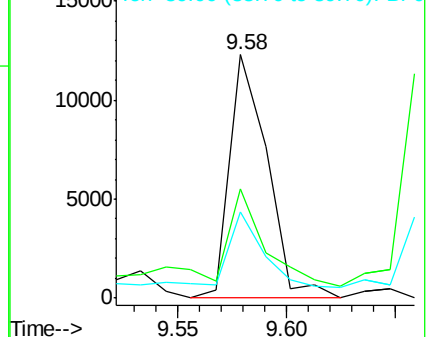
89 35.3 50.8 76.2#

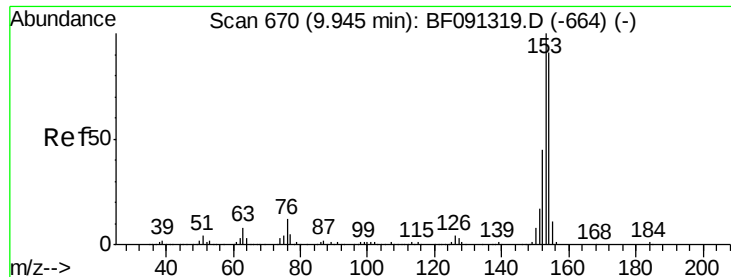


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 20.50 ng

RT: 9.92 min Scan# 668

Delta R.T. -0.03 min

Lab File: BF091426.D

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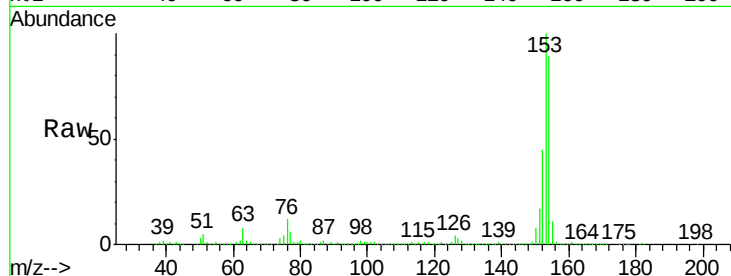
Tgt Ion:154 Resp: 327672

Ion Ratio Lower Upper

154 100

153 112.9 91.0 136.6

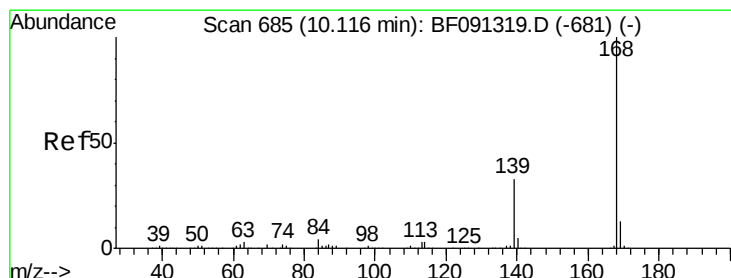
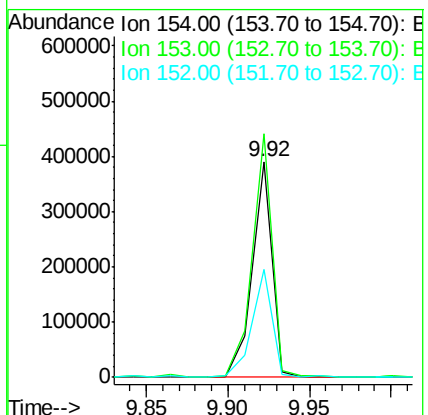
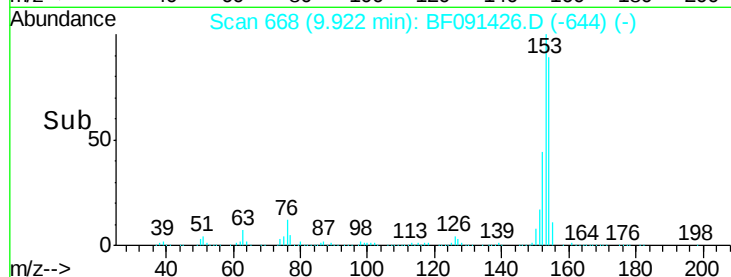
152 50.3 44.2 66.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 7.86 ng

RT: 10.09 min Scan# 683

Delta R.T. -0.03 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

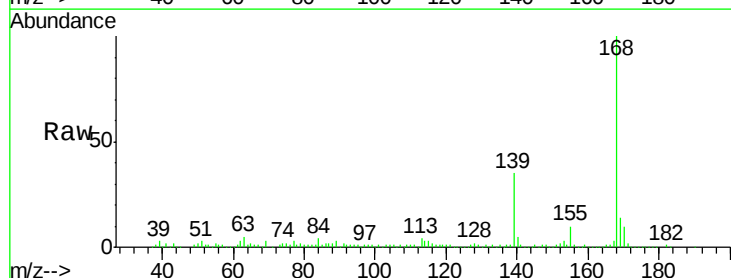
Tgt Ion:168 Resp: 168273

Ion Ratio Lower Upper

168 100

139 35.2 33.4 50.2

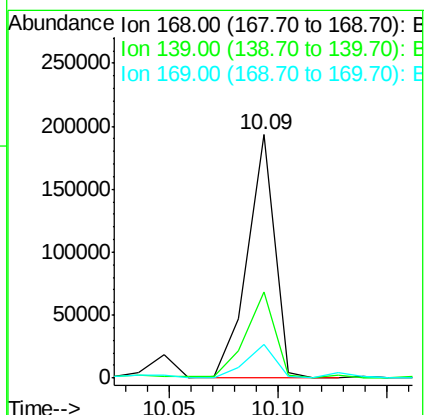
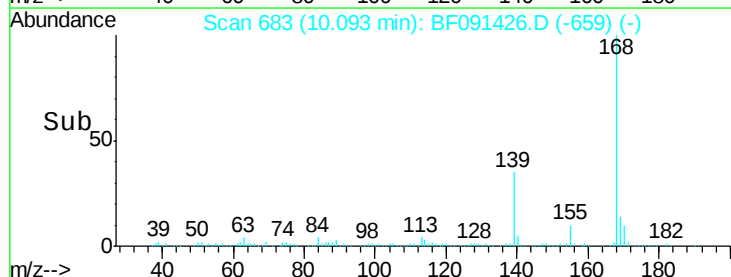
169 14.1 11.1 16.7

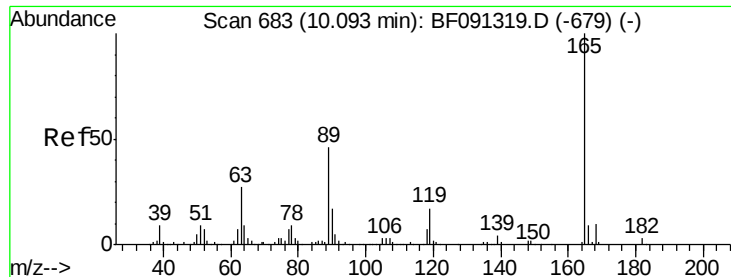


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

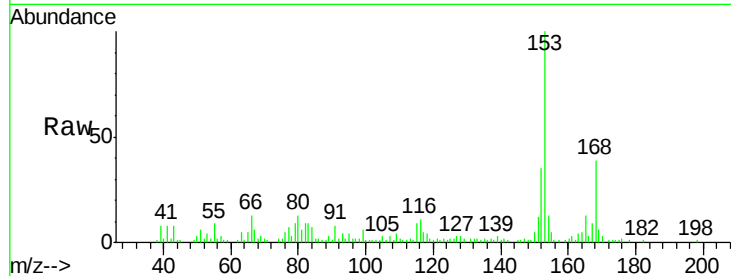




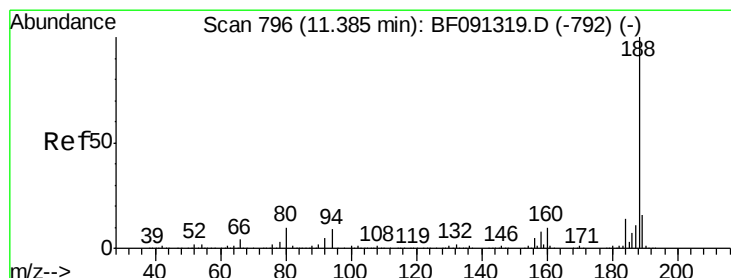
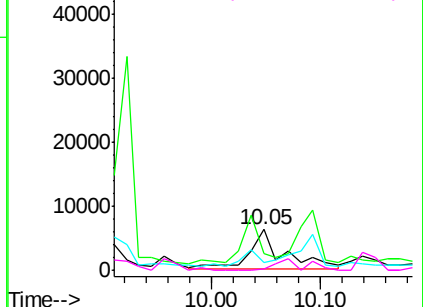
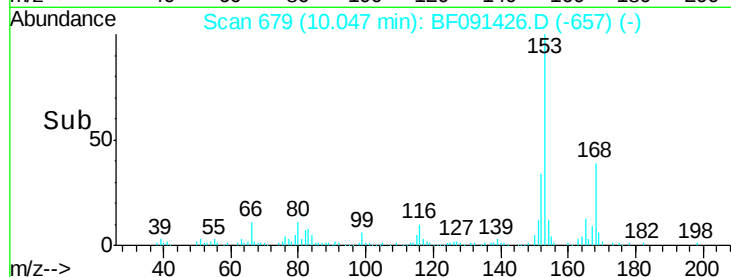
#56
 2,4-Dinitrotoluene
 Concen: 2.71 ng
 RT: 10.05 min Scan# 679
 Delta R.T. -0.05 min
 Lab File: BF091426.D
 Acq: 5 Dec 2016 19:05

Instrument :
 BNA_F
 ClientSampled :
 MW-14

Tgt Ion:165 Resp: 13378
 Ion Ratio Lower Upper
 165 100
 63 41.3 29.0 43.4
 89 19.3 43.1 64.7#
 182 4.7 1.9 2.9#

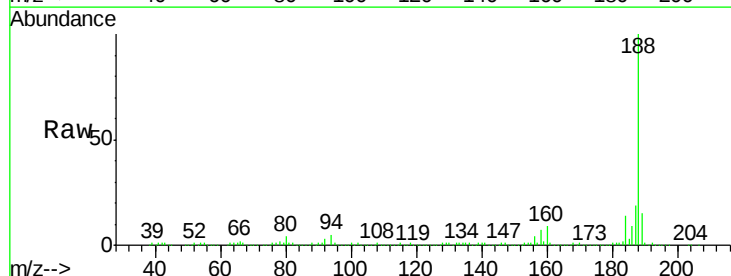


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

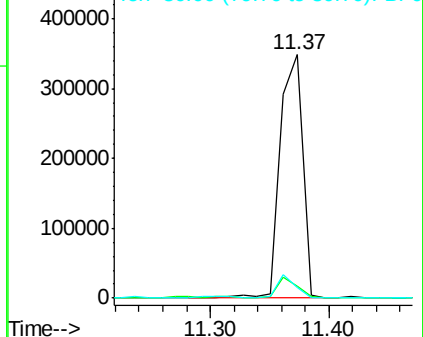
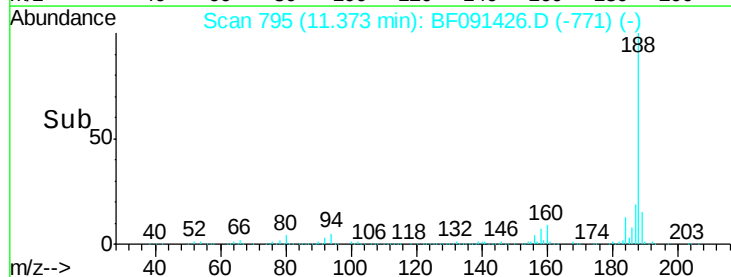


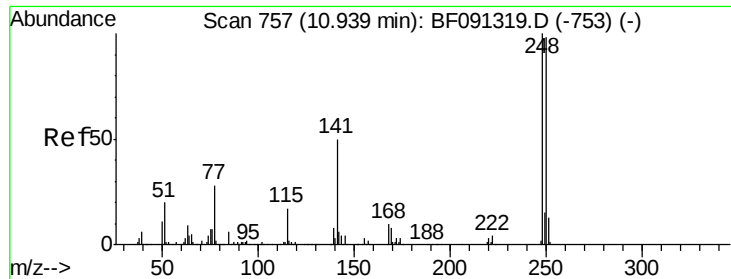
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 795
 Delta R.T. -0.03 min
 Lab File: BF091426.D
 Acq: 5 Dec 2016 19:05

Tgt Ion:188 Resp: 450741
 Ion Ratio Lower Upper
 188 100
 94 4.8 9.2 13.8#
 80 4.5 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

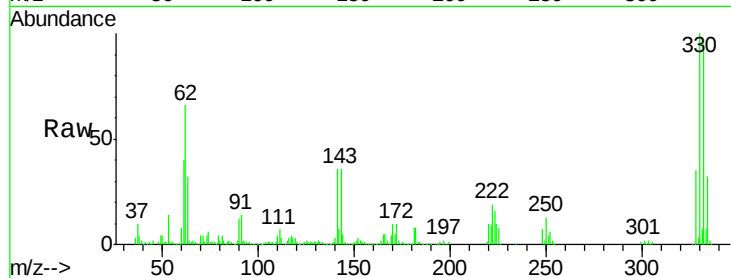




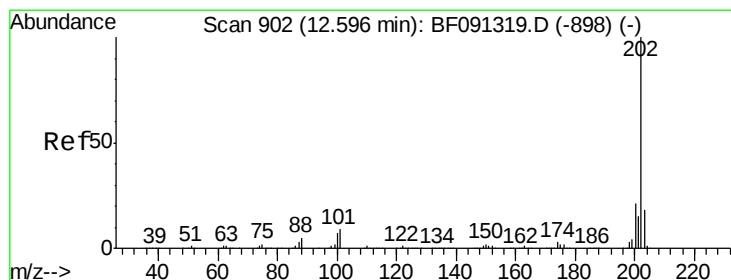
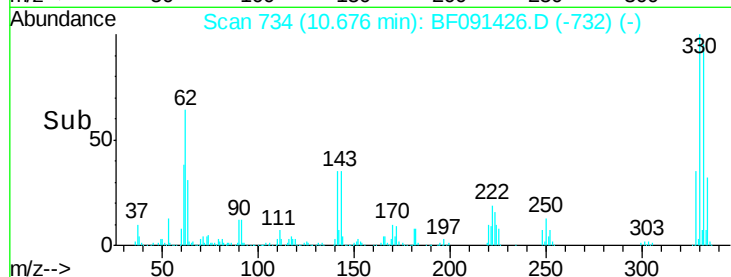
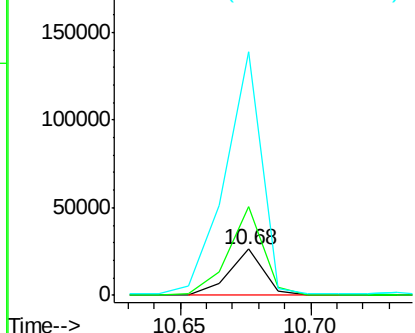
#66
4-Bromophenyl-phenylether
Concen: 5.02 ng
RT: 10.68 min Scan# 734
Delta R.T. -0.28 min
Lab File: BF091426.D
Acq: 5 Dec 2016 19:05

Instrument :
BNA_F
ClientSampleId :
MW-14

Tgt Ion:248 Resp: 24343
Ion Ratio Lower Upper
248 100
250 192.5 78.2 117.4#
141 529.2 71.9 107.9#

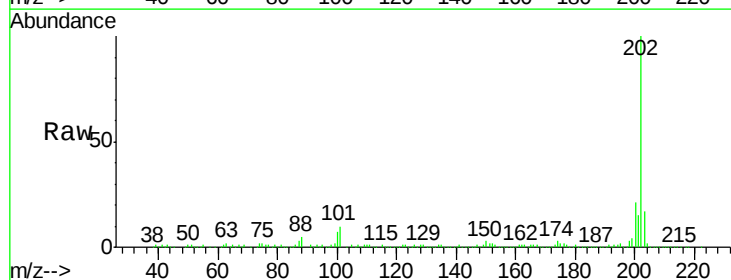


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

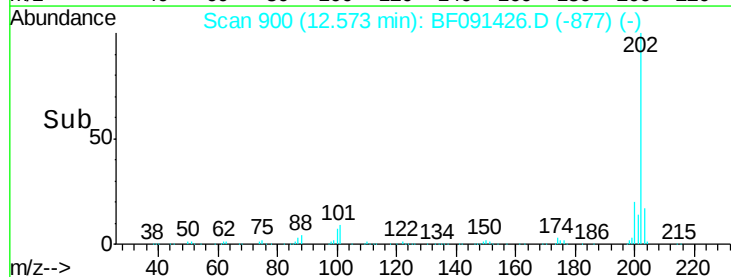
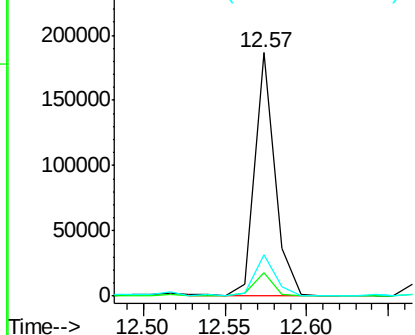


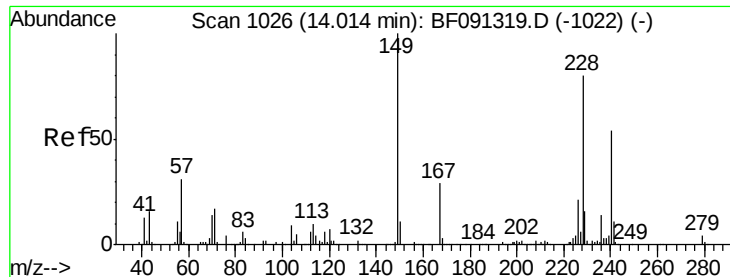
#74
Fluoranthene
Concen: 7.12 ng
RT: 12.57 min Scan# 900
Delta R.T. -0.04 min
Lab File: BF091426.D
Acq: 5 Dec 2016 19:05

Tgt Ion:202 Resp: 158059
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.5
203 17.1 0.0 37.8



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: 14.00 min Scan# 1025

Delta R.T. -0.04 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

Instrument :

BNA_F

ClientSampleId :

MW-14

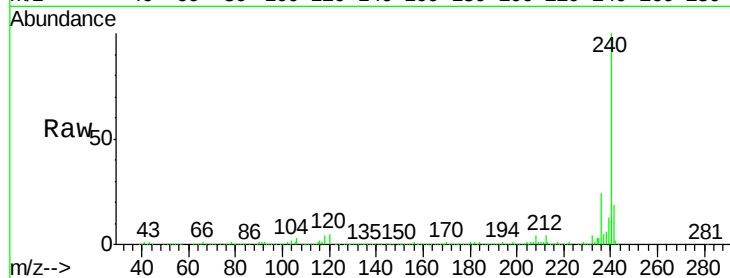
Tgt Ion:240 Resp: 322872

Ion Ratio Lower Upper

240 100

120 4.8 12.1 18.1#

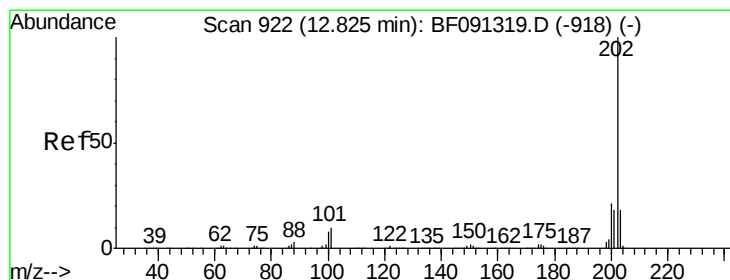
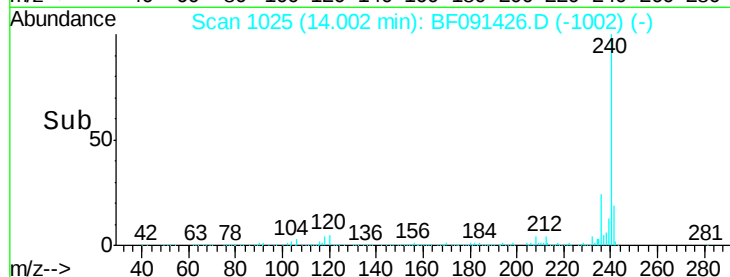
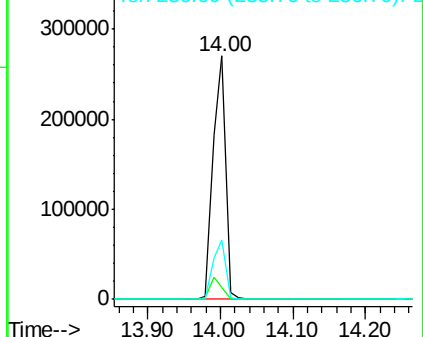
236 24.2 21.0 31.6



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



#77

Pyrene

Concen: 7.58 ng

RT: 12.80 min Scan# 920

Delta R.T. -0.04 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

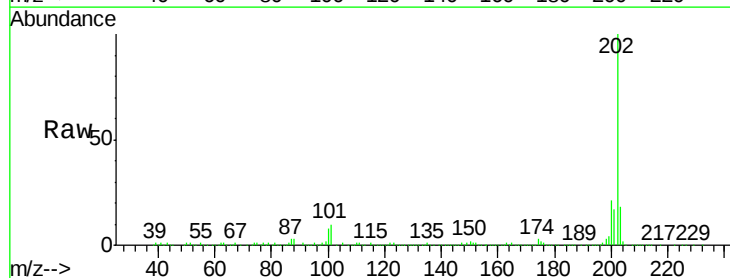
Tgt Ion:202 Resp: 185816

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

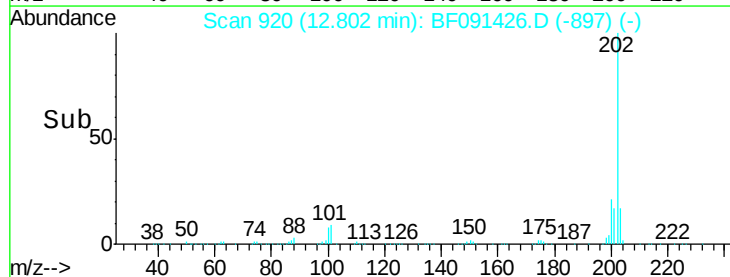
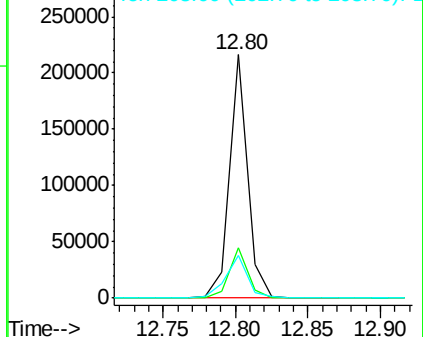
203 17.6 14.0 21.0

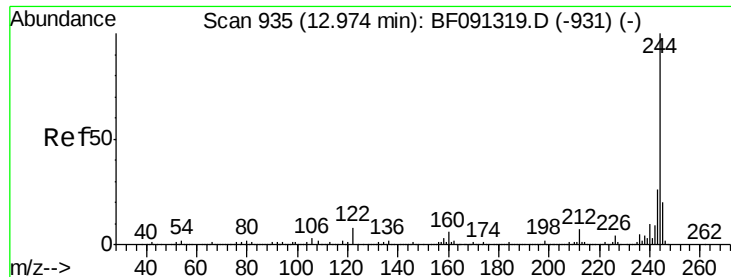


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

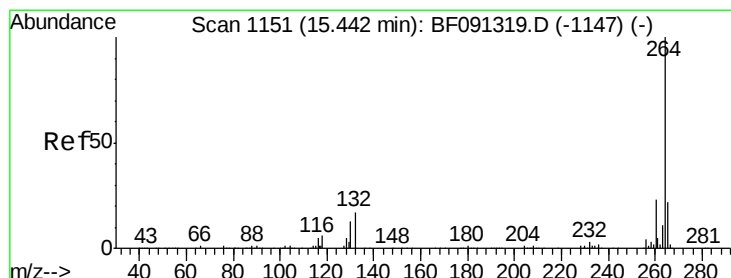
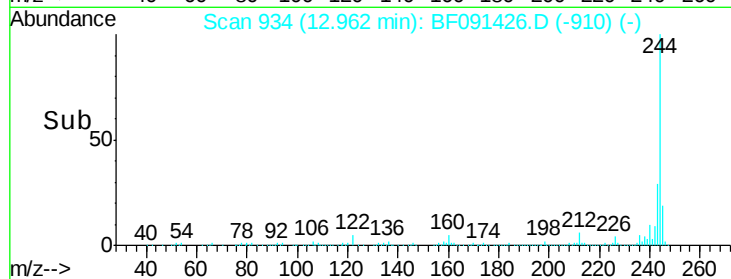
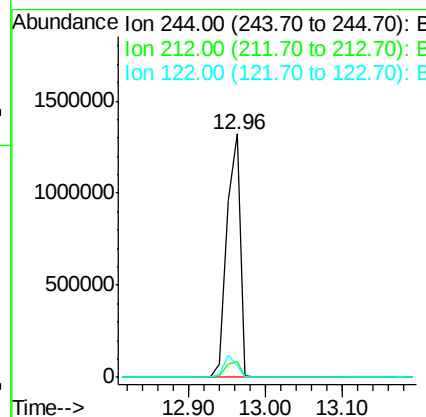
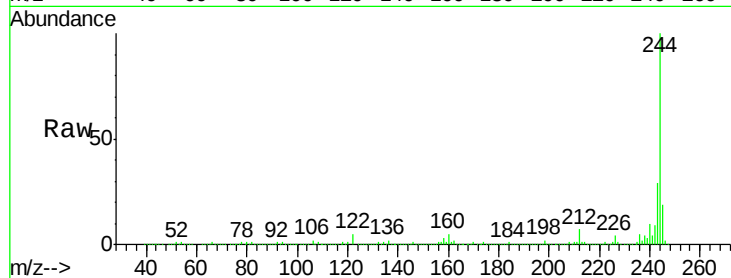




#78
 Terphenyl-d14
 Concen: 109.50 ng
 RT: 12.96 min Scan# 934
 Delta R.T. -0.03 min
 Lab File: BF091426.D
 Acq: 5 Dec 2016 19:05

Instrument :
 BNA_F
 ClientSampleId :
 MW-14

Tgt Ion:244 Resp: 1626672
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.5 9.7
 122 5.0 9.5 14.3#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.42 min Scan# 1149
 Delta R.T. -0.05 min
 Lab File: BF091426.D
 Acq: 5 Dec 2016 19:05

Tgt Ion:264 Resp: 257922
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.8 28.2
 265 21.2 17.0 25.6

