

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122116\
 Data File : BF091869.D
 Acq On : 22 Dec 2016 7:33
 Operator : UM/SJ
 Sample : H6156-15
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-9

Quant Time: Dec 22 16:04:08 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

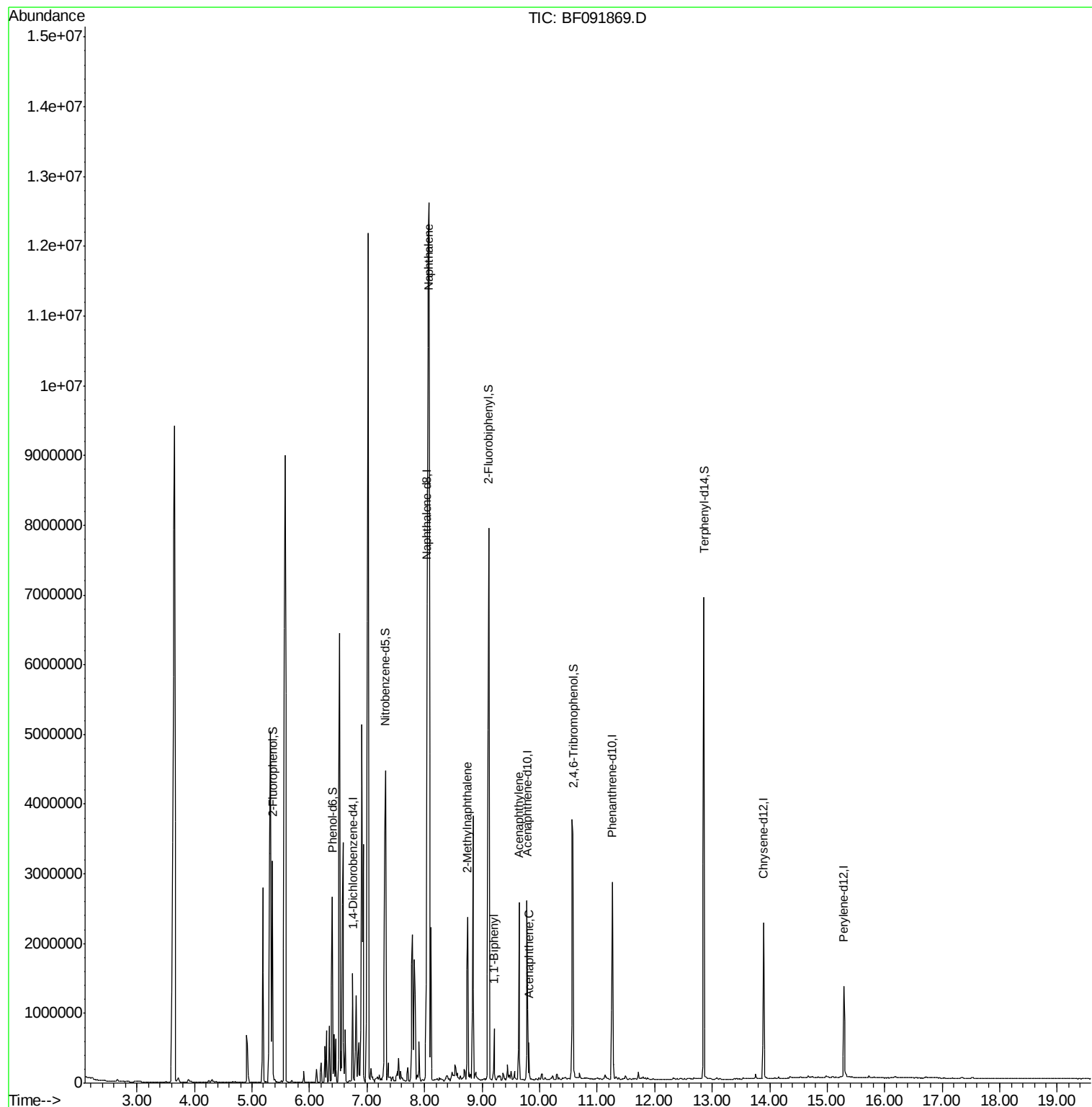
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	317346	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	1005733	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	631588	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	1083963	20.00	ng	0.00
75) Chrysene-d12	13.89	240	787708	20.00	ng	-0.01
86) Perylene-d12	15.29	264	633180	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1254914	66.03	ng	0.01
7) Phenol-d6	6.40	99	1105760	47.65	ng	-0.01
23) Nitrobenzene-d5	7.32	82	2301696	127.26	ng	0.00
41) 2,4,6-Tribromophenol	10.58	330	757364	144.90	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	3313792	111.53	ng	0.00
78) Terphenyl-d14	12.85	244	2401425	73.94	ng	0.00
Target Compounds						
31) Naphthalene	8.08	128	14277878	310.19	ng	Qvalue # 93
37) 2-Methylnaphthalene	8.75	142	893724	28.16	ng	97
45) 1,1'-Biphenyl	9.21	154	238267	5.51	ng	96
48) Acenaphthylene	9.64	152	1042782	19.80	ng	99
51) Acenaphthene	9.81	154	111732	3.13	ng	100

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

Instrument :

BNA_F

ClientSampleId :

MW-9

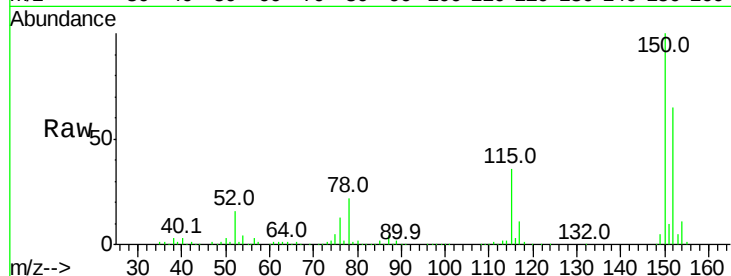
Tot Ion:152 Resp: 317346

Ion Ratio Lower Upper

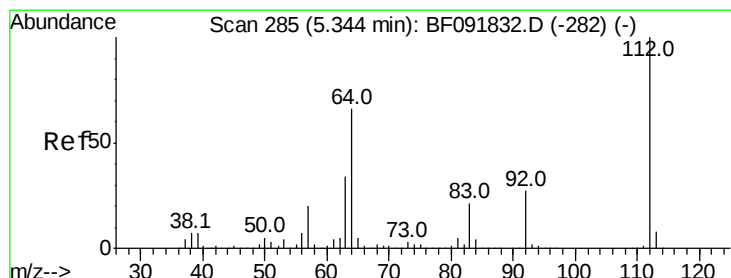
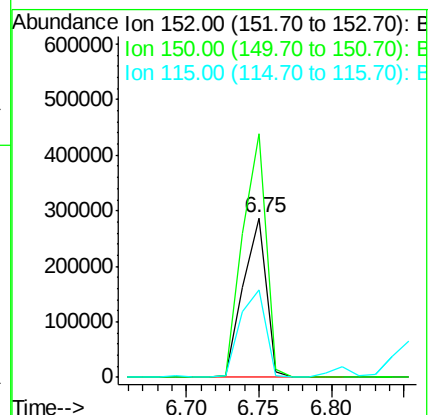
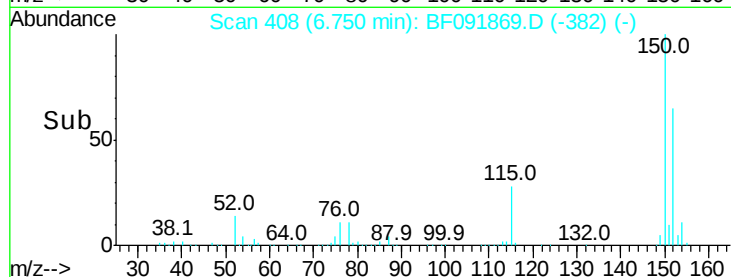
152 100

150 152.7 124.9 187.3

115 55.2 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



#5

2-Fluorophenol

Concen: 66.03 ng

RT: 5.36 min Scan# 286

Delta R.T. 0.01 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

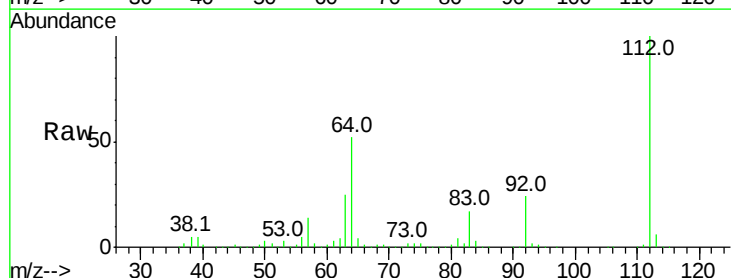
Tgt Ion:112 Resp: 1254914

Ion Ratio Lower Upper

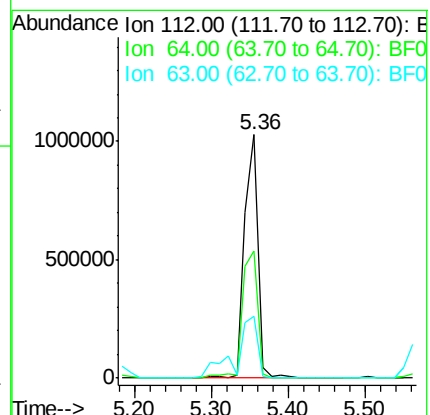
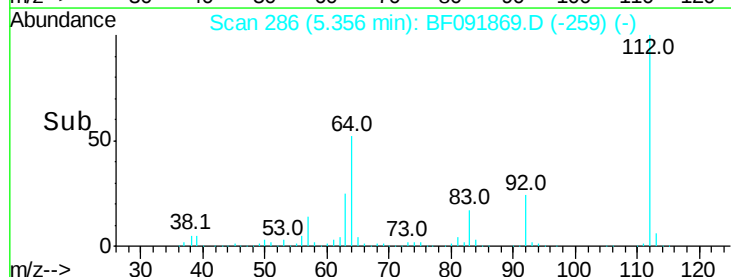
112 100

64 52.0 46.1 69.1

63 25.5 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





#7

Phenol-d6

Concen: 47.65 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

Instrument :

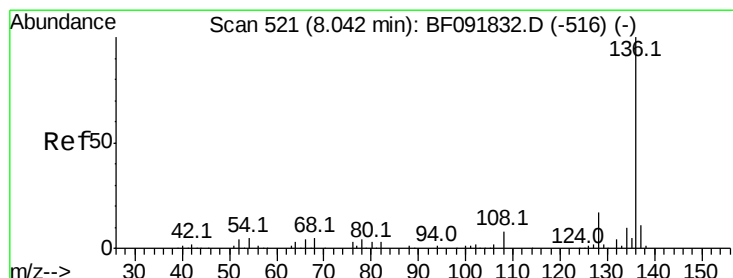
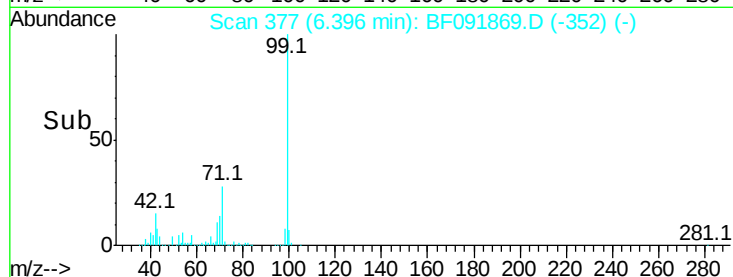
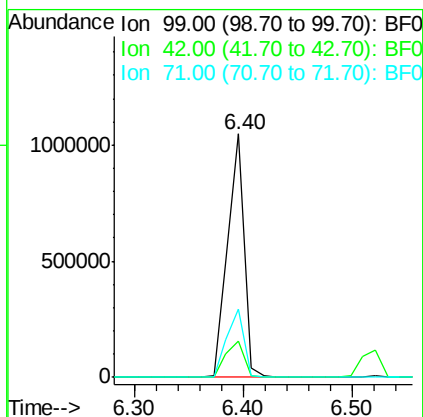
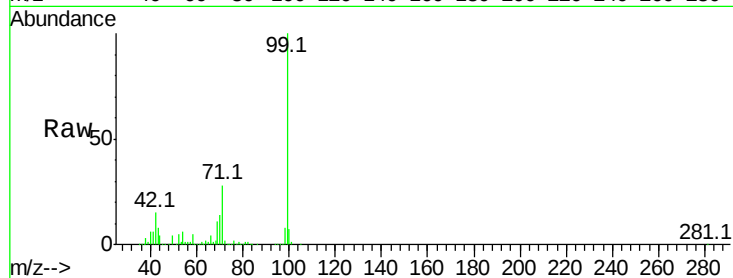
BNA_F

ClientSampled :

MW-9

Tot Ion: 99 Resp: 1105760

Ion	Ratio	Lower	Upper
99	100		
42	14.8	15.6	23.4#
71	28.2	27.5	41.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

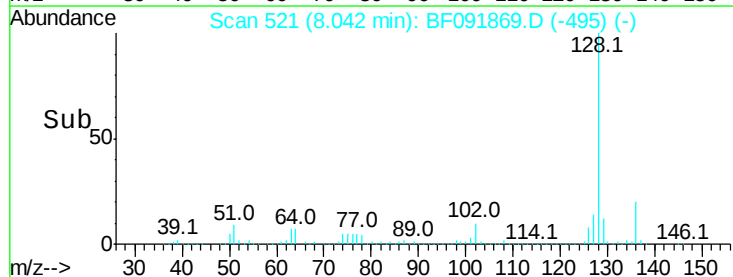
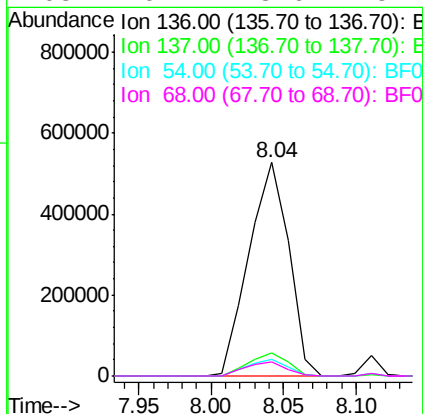
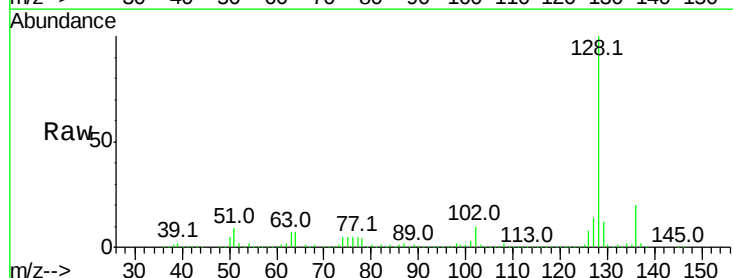
Delta R.T. -0.00 min

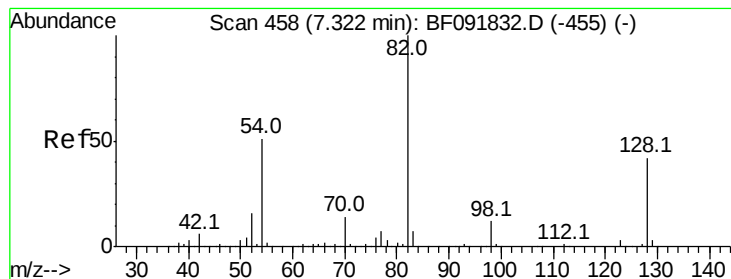
Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

Tgt Ion: 136 Resp: 1005733

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	7.9	4.5	6.7#
68	6.7	3.6	5.4#





#23

Nitrobenzene-d5

Concen: 127.26 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.00 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

Instrument :

BNA_F

ClientSampleId :

MW-9

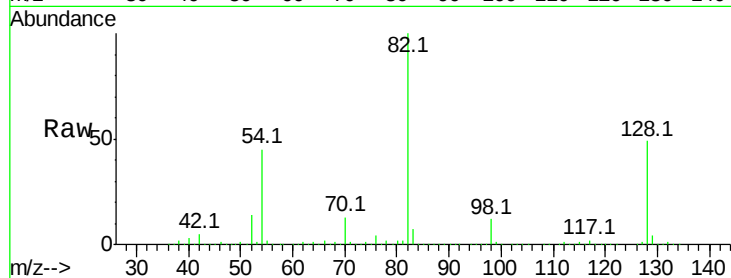
Tot Ion: 82 Resp: 2301696

Ion Ratio Lower Upper

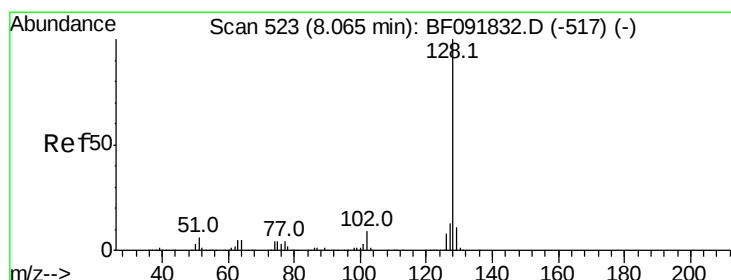
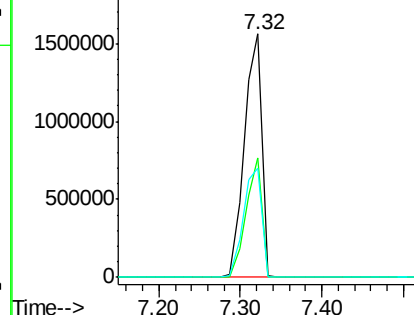
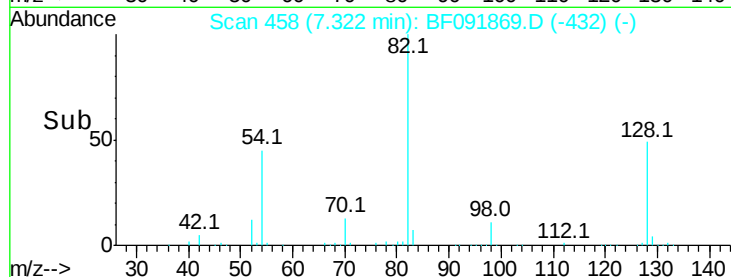
82 100

128 49.0 34.6 52.0

54 44.6 39.5 59.3



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



#31

Naphthalene

Concen: 310.19 ng

RT: 8.08 min Scan# 524

Delta R.T. 0.01 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

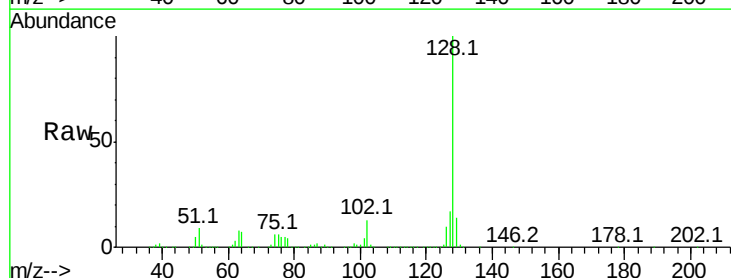
Tgt Ion:128 Resp:14277878

Ion Ratio Lower Upper

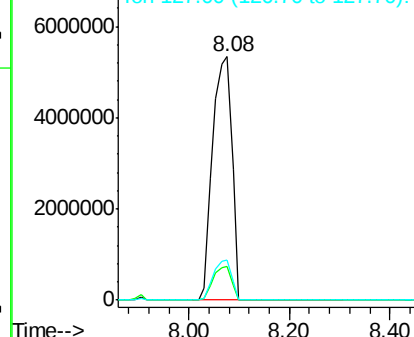
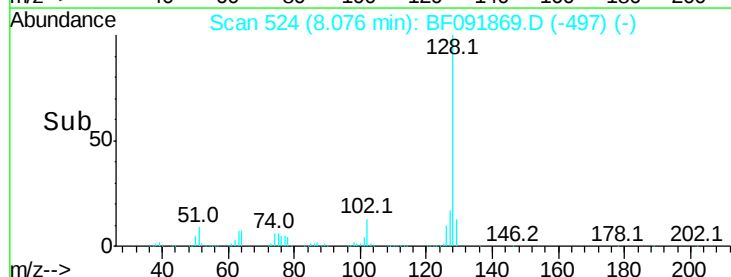
128 100

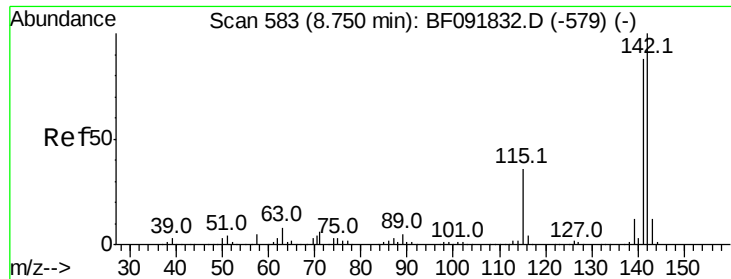
129 14.0 9.5 14.3

127 16.7 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

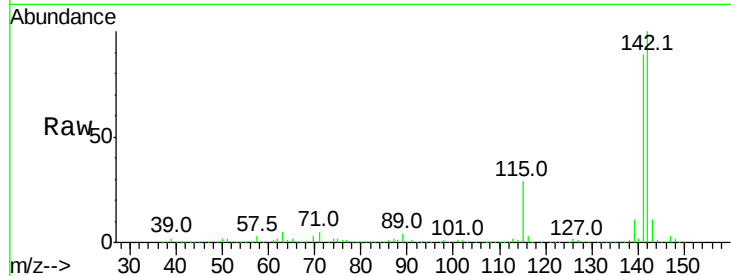




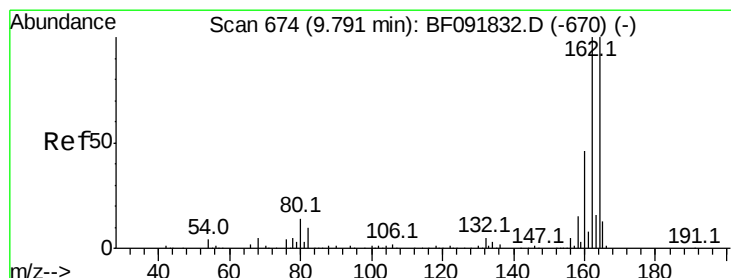
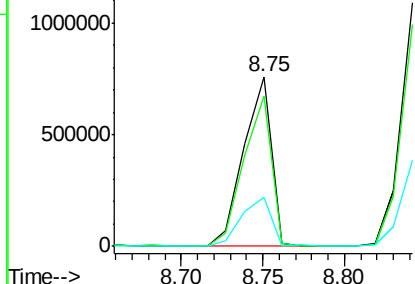
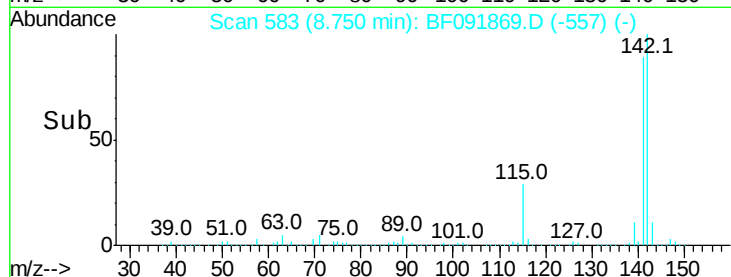
#37
2-Methylnaphthalene
Concen: 28.16 ng
RT: 8.75 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF091869.D
Acq: 22 Dec 2016 7:33

Instrument :
BNA_F
ClientSampleId :
MW-9

Tot Ion:142 Resp: 893724
Ion Ratio Lower Upper
142 100
141 88.6 71.0 106.6
115 29.1 28.3 42.5

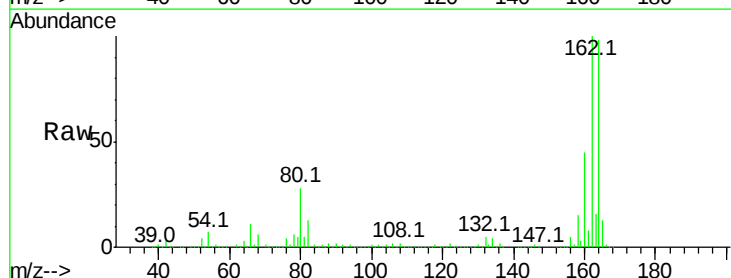


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

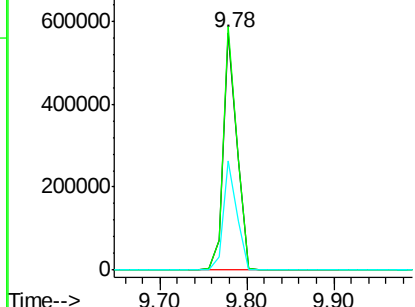
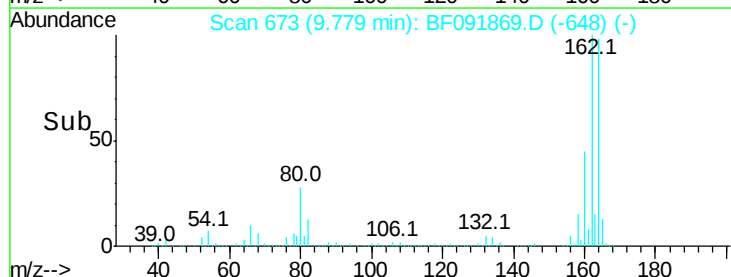


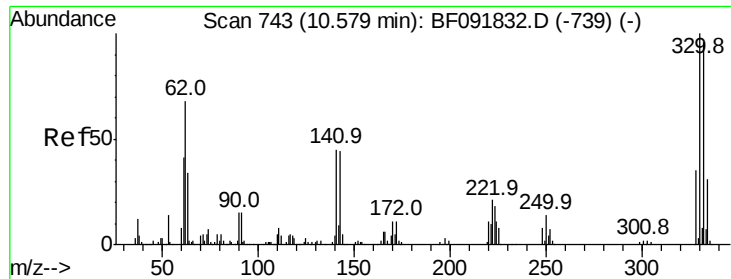
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF091869.D
Acq: 22 Dec 2016 7:33

Tgt Ion:164 Resp: 631588
Ion Ratio Lower Upper
164 100
162 102.4 80.2 120.2
160 46.0 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

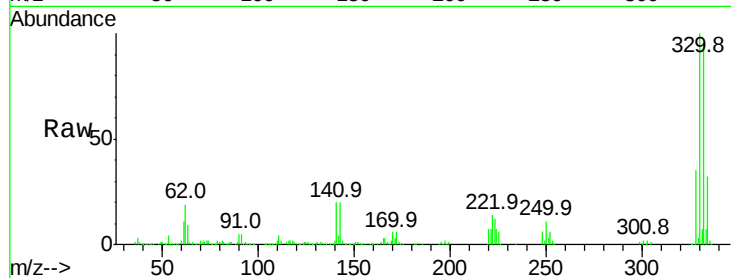




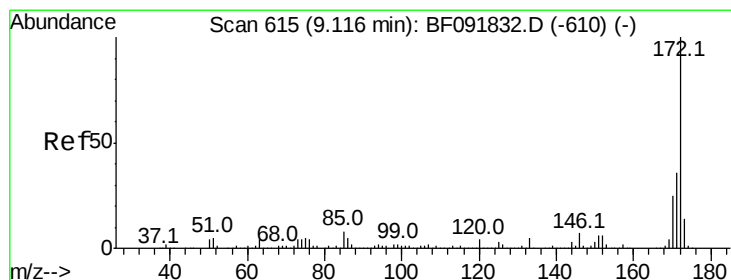
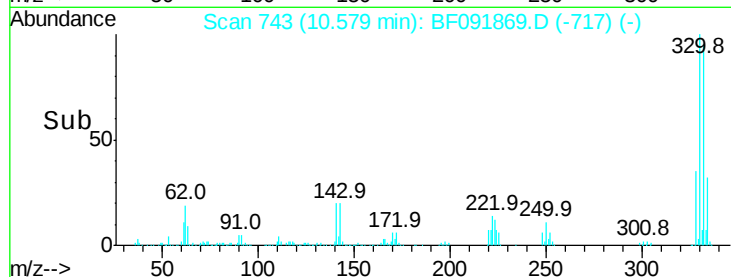
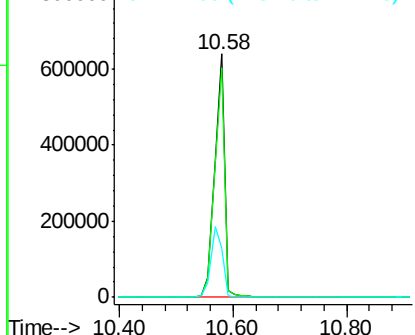
#41
 2,4,6-Tribromophenol
 Concen: 144.90 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: BF091869.D
 Acq: 22 Dec 2016 7:33

Instrument :
 BNA_F
 ClientSampleId :
 MW-9

Tot Ion:330 Resp: 757364
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.4 116.2
 141 33.5 34.1 51.1#

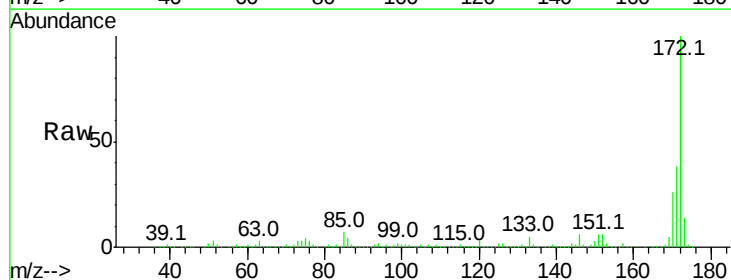


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

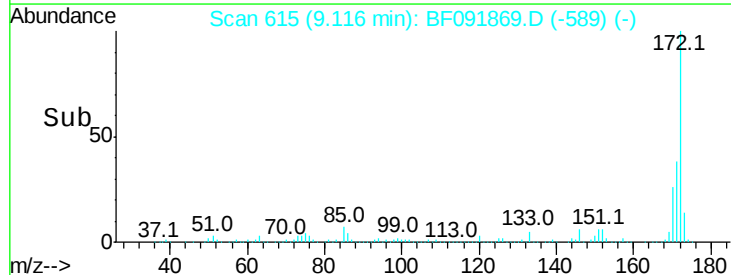
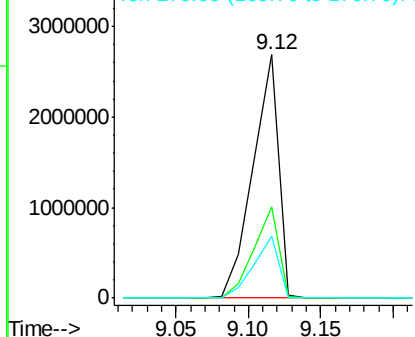


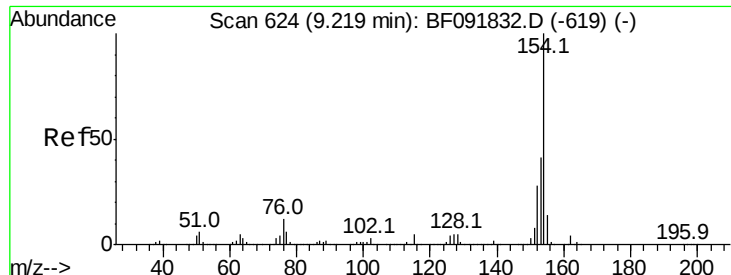
#44
 2-Fluorobiphenyl
 Concen: 111.53 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091869.D
 Acq: 22 Dec 2016 7:33

Tgt Ion:172 Resp: 3313792
 Ion Ratio Lower Upper
 172 100
 171 37.5 29.4 44.0
 170 25.5 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

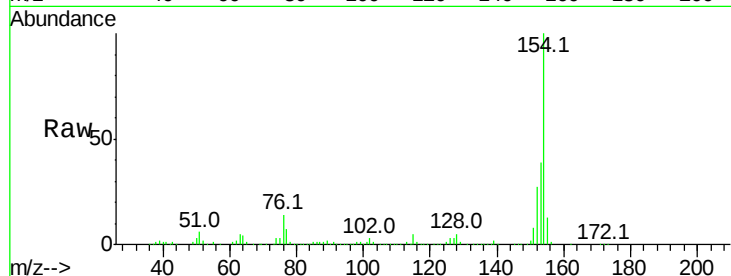




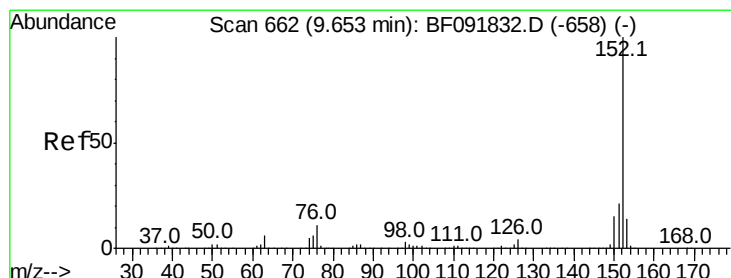
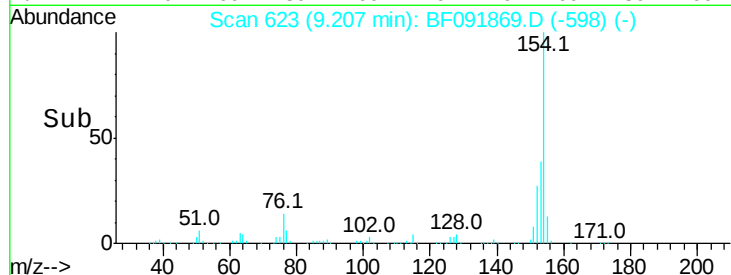
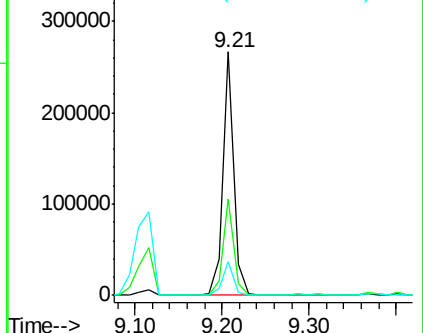
#45
1,1'-Biphenyl
Concen: 5.51 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF091869.D
Acq: 22 Dec 2016 7:33

Instrument :
BNA_F
ClientSampleId :
MW-9

Tot Ion:154 Resp: 238267
Ion Ratio Lower Upper
154 100
153 39.4 20.9 60.9
76 14.1 0.0 30.5

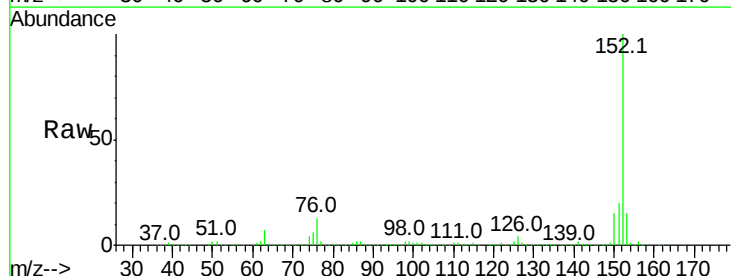


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

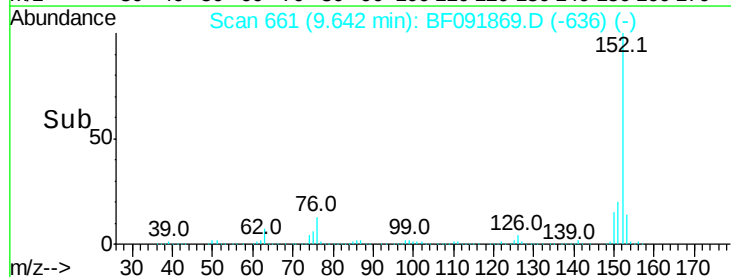
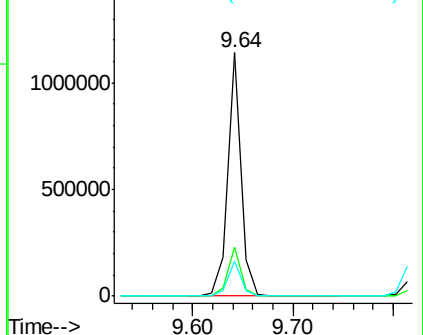


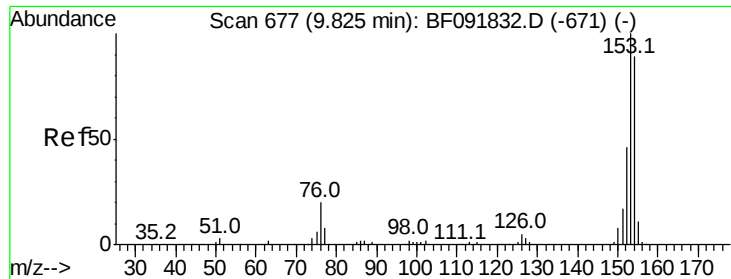
#48
Acenaphthylene
Concen: 19.80 ng
RT: 9.64 min Scan# 661
Delta R.T. -0.01 min
Lab File: BF091869.D
Acq: 22 Dec 2016 7:33

Tgt Ion:152 Resp: 1042782
Ion Ratio Lower Upper
152 100
151 20.3 16.9 25.3
153 14.5 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 3.13 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

Instrument :

BNA_F

ClientSampleId :

MW-9

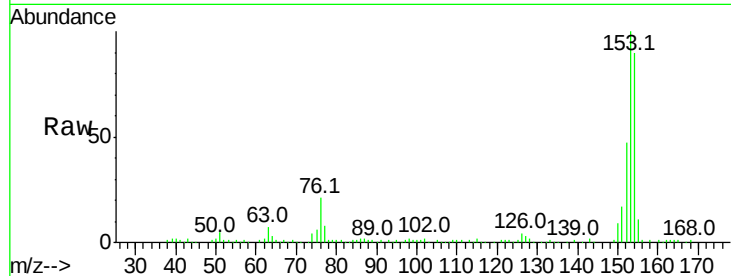
Tot Ion:154 Resp: 111732

Ion Ratio Lower Upper

154 100

153 111.1 88.6 133.0

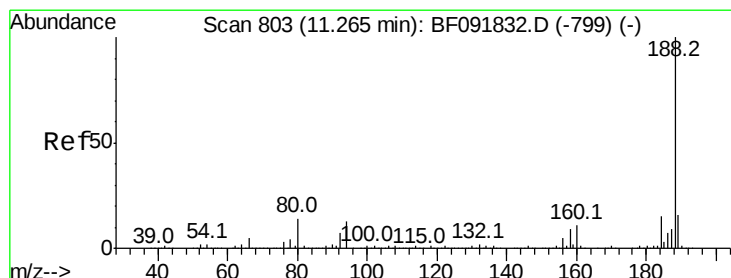
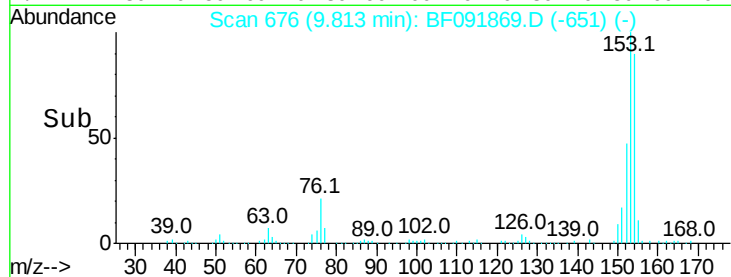
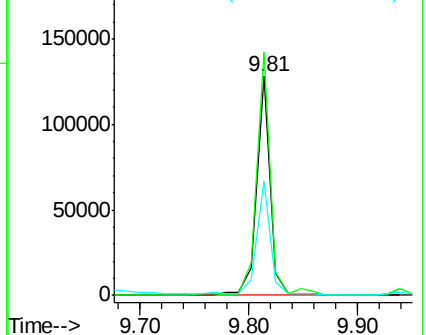
152 52.0 41.6 62.4



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

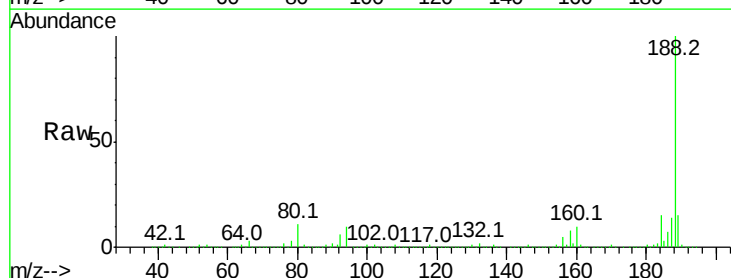
Tgt Ion:188 Resp: 1083963

Ion Ratio Lower Upper

188 100

94 10.1 10.0 15.0

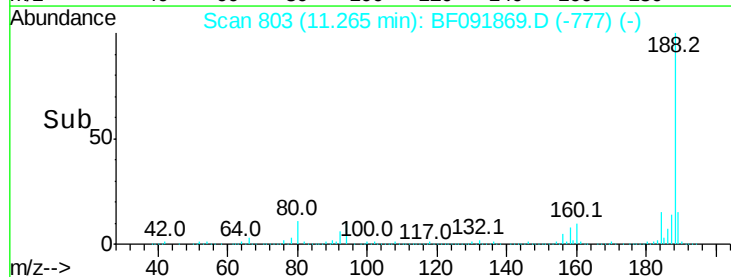
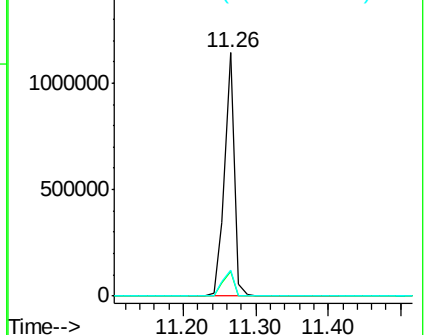
80 10.7 11.2 16.8#

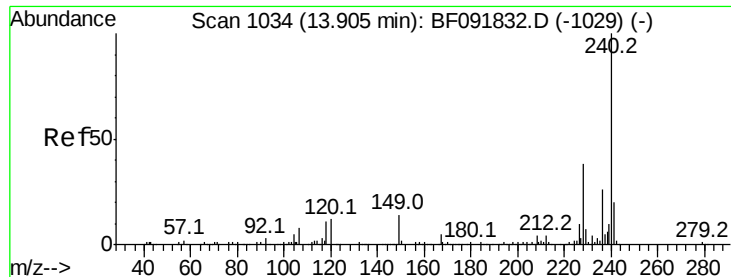


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

Instrument :

BNA_F

ClientSampled :

MW-9

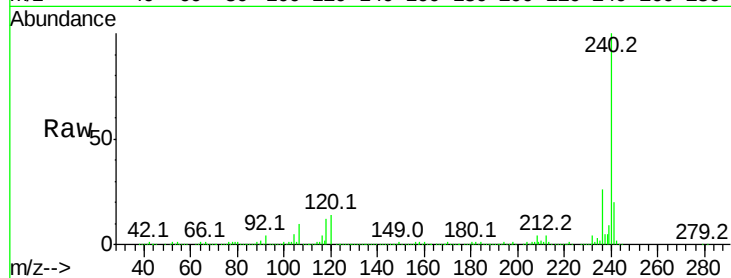
Tot Ion:240 Resp: 787708

Ion Ratio Lower Upper

240 100

120 14.0 12.9 19.3

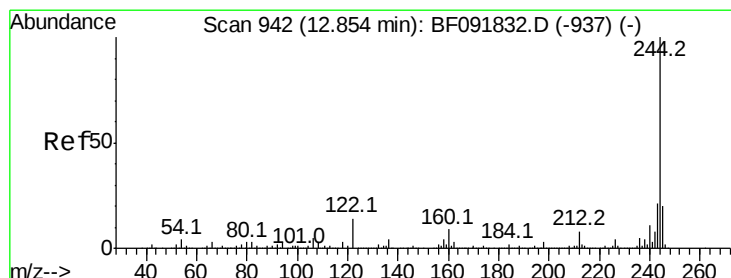
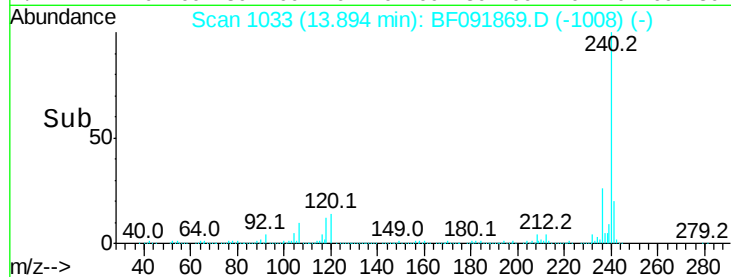
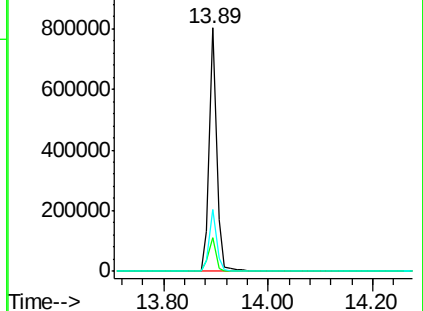
236 25.6 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 73.94 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

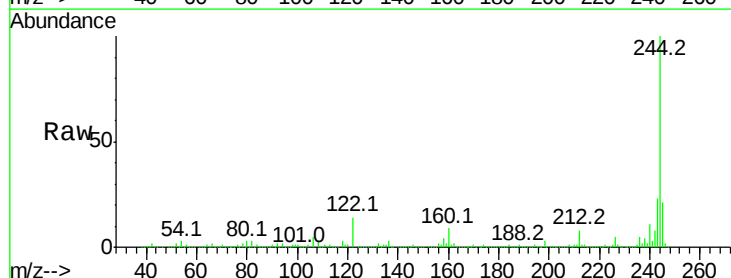
Tgt Ion:244 Resp: 2401425

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

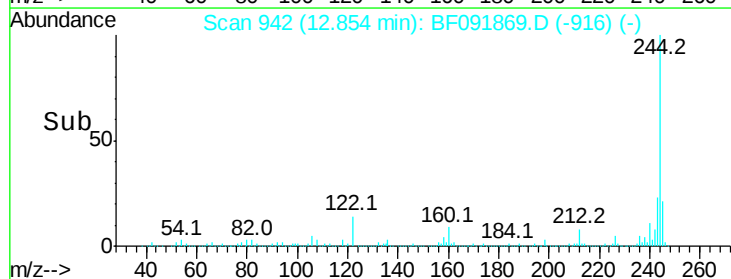
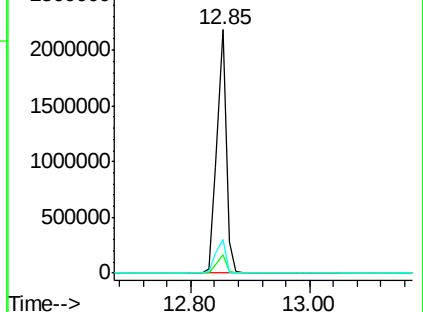
122 13.8 11.4 17.2

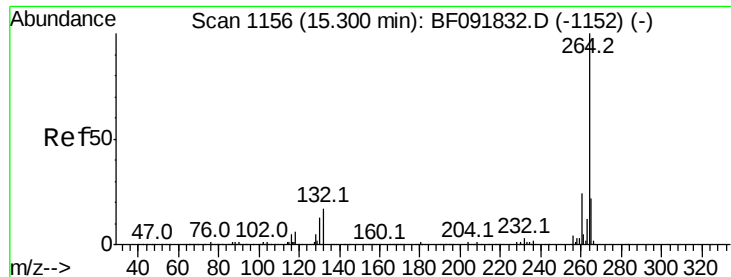


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

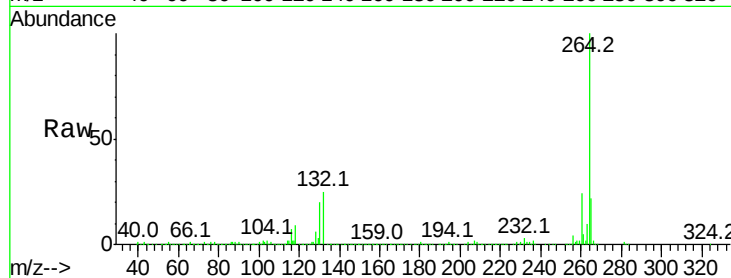




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF091869.D
Acq: 22 Dec 2016 7:33

Instrument :
BNA_F
ClientSampleId :
MW-9

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.6	17.4	26.0



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

