

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121916\
 Data File : BF091800.D
 Acq On : 20 Dec 2016 3:43
 Operator : UM/SJ
 Sample : H6165-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SBW-1

Quant Time: Dec 20 06:00:16 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:53:54 2016
 Response via : Initial Calibration

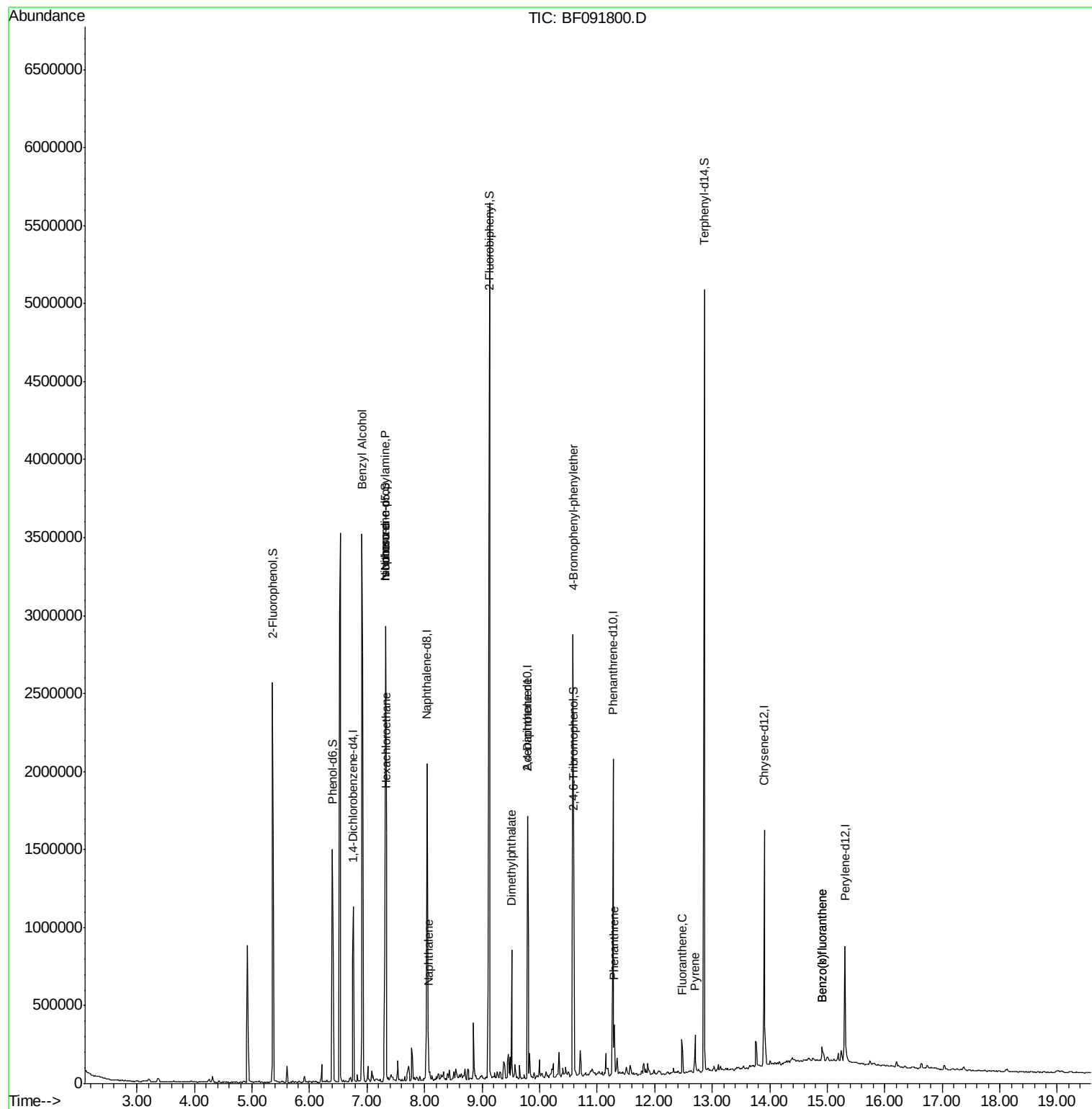
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	225764	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	902662	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	434449	20.00	ng	-0.02
63) Phenanthrene-d10	11.28	188	751270	20.00	ng	-0.01
75) Chrysene-d12	13.91	240	507286	20.00	ng	-0.02
86) Perylene-d12	15.31	264	431193	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	898748	66.70	ng	-0.01
7) Phenol-d6	6.40	99	637448	38.79	ng	-0.02
23) Nitrobenzene-d5	7.32	82	1268445	81.04	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	422046	114.56	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	2270982	105.02	ng	-0.01
78) Terphenyl-d14	12.86	244	1730184	86.12	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.30	77	2867	Below Cal		Qvalue 95
15) Benzyl Alcohol	6.91	79	25607	2.01 ng	#	52
18) Hexachloroethane	7.33	117	49635	8.11 ng	#	5
19) n-Nitroso-di-n-propylamine	7.32	70	167437	15.32 ng	#	77
25) Isophorone	7.32	82	1064605	35.65 ng	#	65
31) Naphthalene	8.06	128	100092	2.32 ng		99
49) Dimethylphthalate	9.52	163	306008	10.78 ng		100
56) 2,4-Dinitrotoluene	9.79	165	58182	7.49 ng	#	20
66) 4-Bromophenyl-phenylether	10.58	248	25327	3.21 ng	#	1
70) Phenanthrene	11.30	178	126636	3.37 ng		96
74) Fluoranthene	12.48	202	112046	2.86 ng		97
77) Pyrene	12.70	202	100240	2.74 ng		99
87) Benzo(b)fluoranthene	14.91	252	63187	2.31 ng		100
88) Benzo(k)fluoranthene	14.91	252	63187	3.29 ng		99

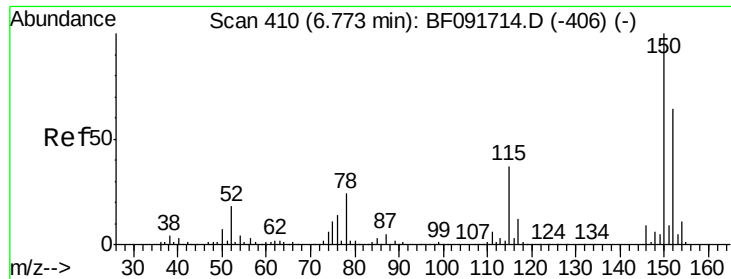
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF091800.D

Acq: 20 Dec 2016 3:43

Instrument :

BNA_F

ClientSampleId :

SBW-1

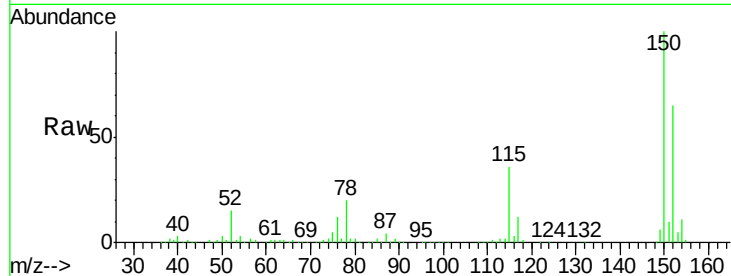
Tgt Ion:152 Resp: 225764

Ion Ratio Lower Upper

152 100

150 153.2 124.9 187.3

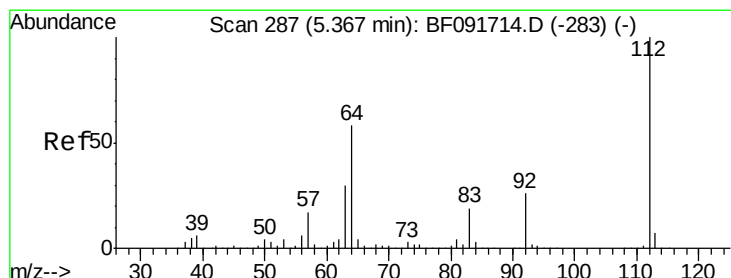
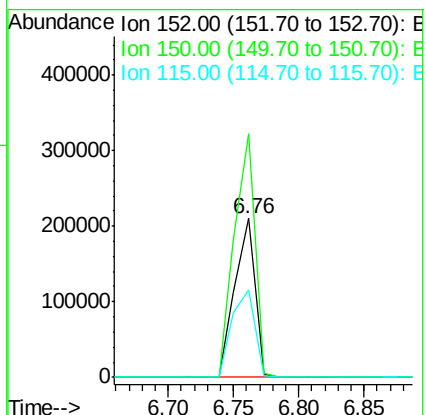
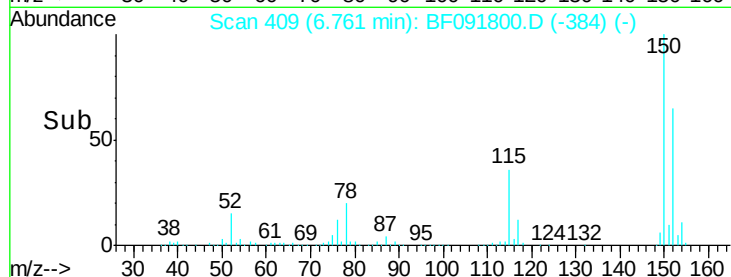
115 54.9 46.0 69.0



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: 66.70 ng

RT: 5.36 min Scan# 286

Delta R.T. -0.01 min

Lab File: BF091800.D

Acq: 20 Dec 2016 3:43

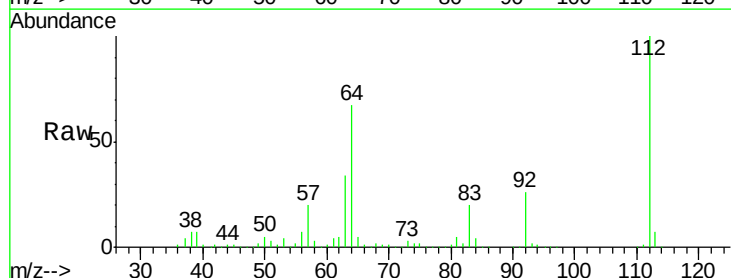
Tgt Ion:112 Resp: 898748

Ion Ratio Lower Upper

112 100

64 66.9 46.1 69.1

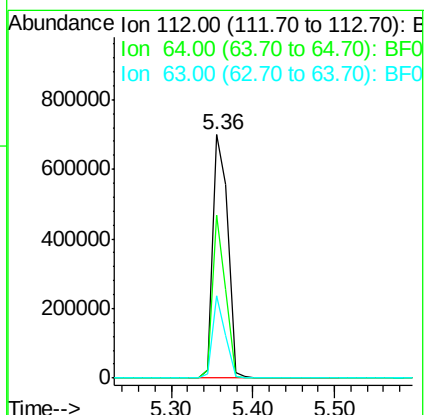
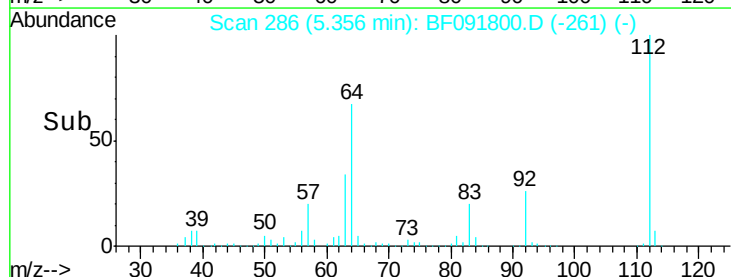
63 33.6 23.8 35.6

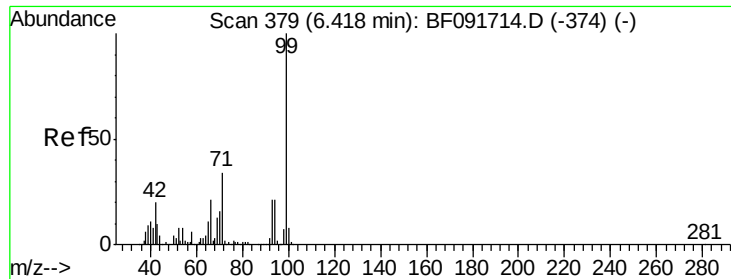


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 38.79 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF091800.D

Acq: 20 Dec 2016 3:43

Instrument :

BNA_F

ClientSampleId :

SBW-1

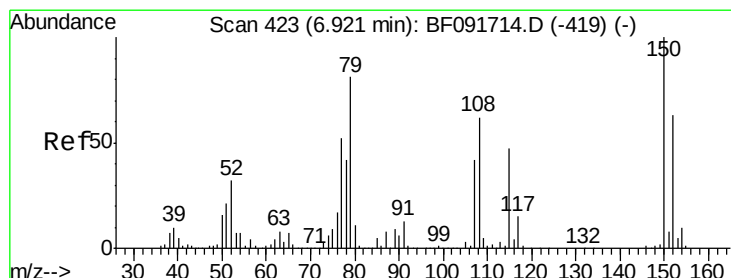
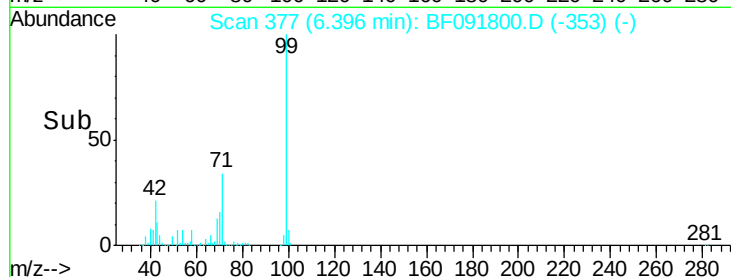
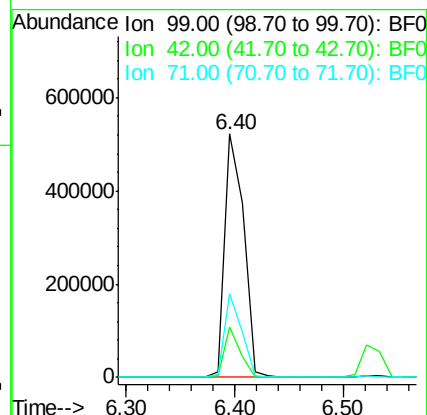
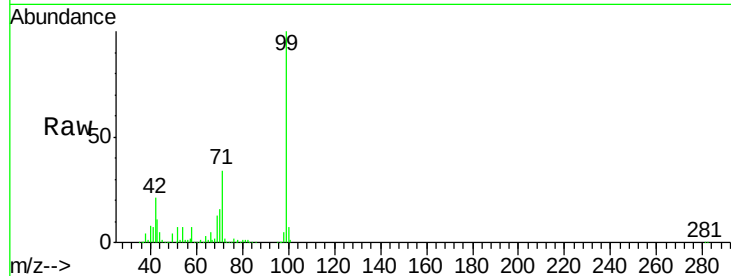
Tgt Ion: 99 Resp: 637448

Ion Ratio Lower Upper

99 100

42 20.6 15.6 23.4

71 34.4 27.5 41.3



#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 6.91 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF091800.D

Acq: 20 Dec 2016 3:43

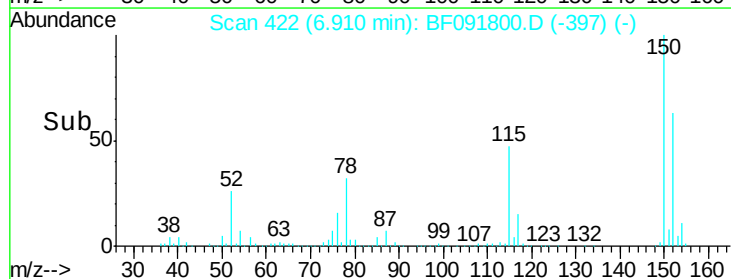
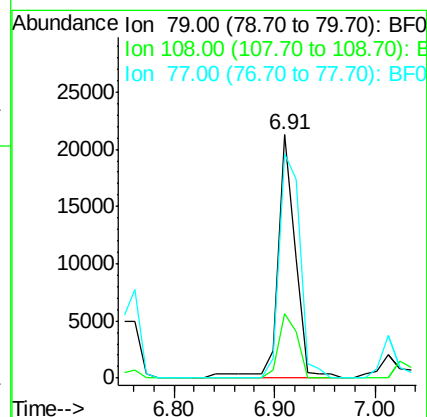
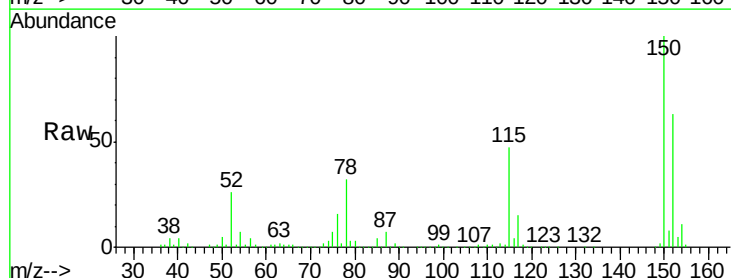
Tgt Ion: 79 Resp: 25607

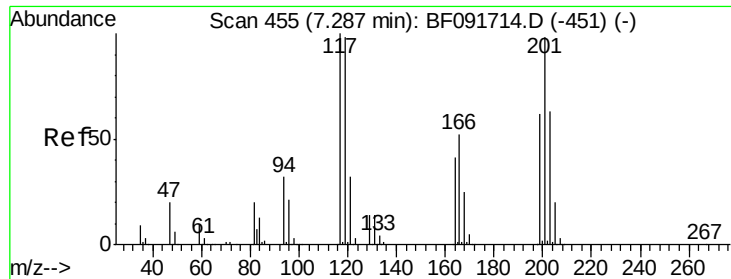
Ion Ratio Lower Upper

79 100

108 26.6 61.4 92.0#

77 92.0 50.9 76.3#





#18

Hexachloroethane

Concen: 8.11 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.05 min

Lab File: BF091800.D

Acq: 20 Dec 2016 3:43

Instrument :

BNA_F

ClientSampleId :

SBW-1

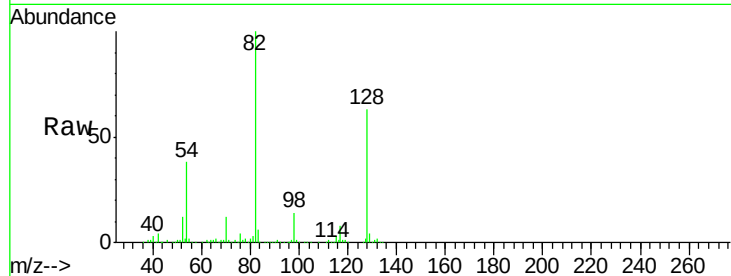
Tgt Ion: 117 Resp: 49635

Ion Ratio Lower Upper

117 100

119 8.0 78.1 117.1#

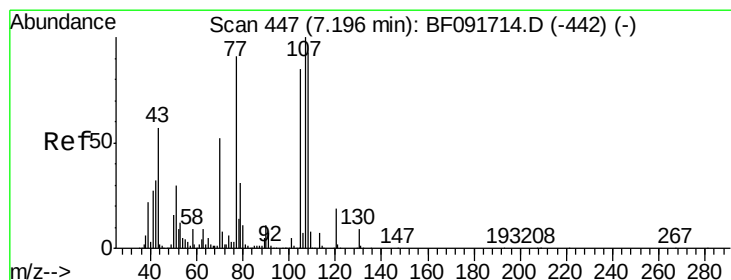
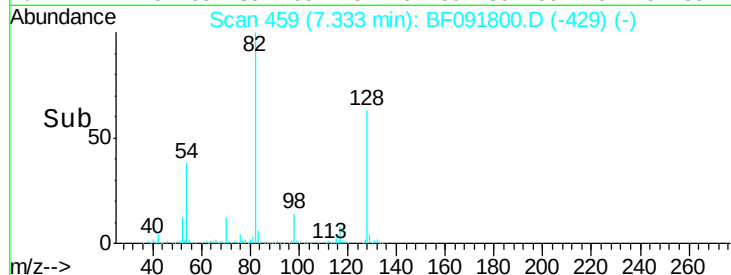
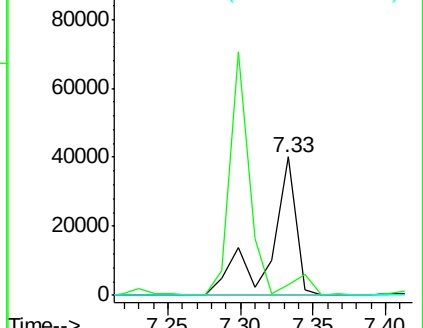
201 0.0 78.6 117.8#



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.32 ng

RT: 7.32 min Scan# 458

Delta R.T. 0.13 min

Lab File: BF091800.D

Acq: 20 Dec 2016 3:43

Tgt Ion: 70 Resp: 167437

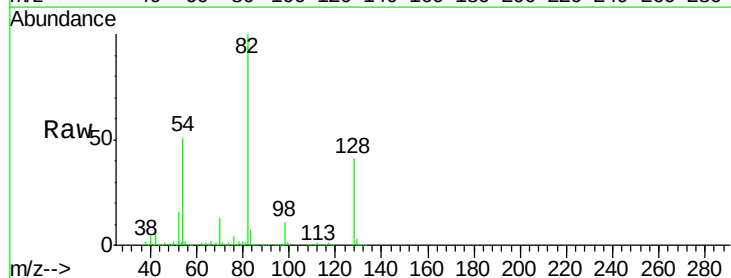
Ion Ratio Lower Upper

70 100

42 46.9 49.4 74.0#

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

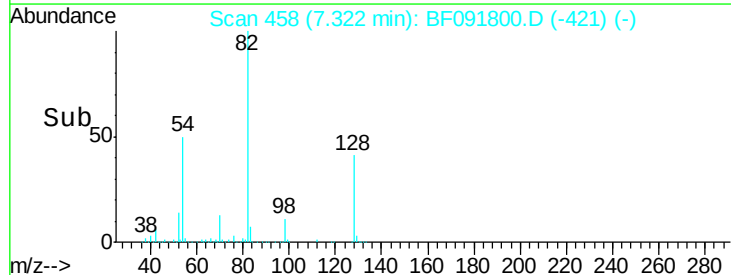
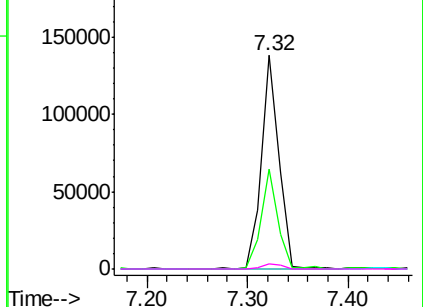


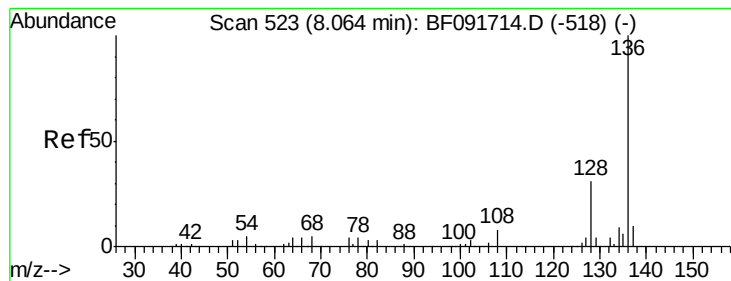
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

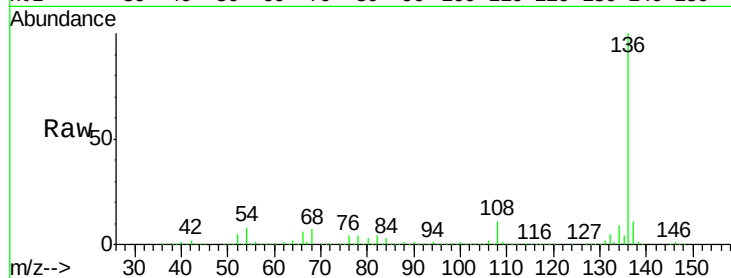




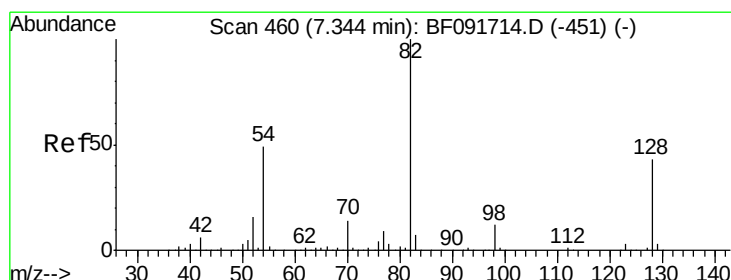
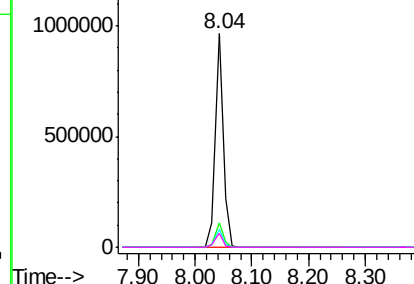
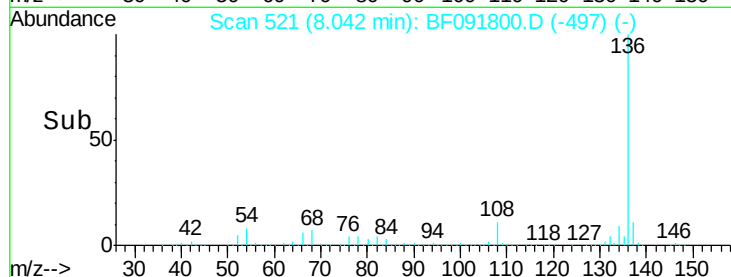
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF091800.D
Acq: 20 Dec 2016 3:43

Instrument :
BNA_F
ClientSampleId :
SBW-1

Tgt Ion: 136 Resp: 902662
Ion Ratio Lower Upper
136 100
137 11.4 8.4 12.6
54 8.5 4.5 6.7#
68 6.8 3.6 5.4#

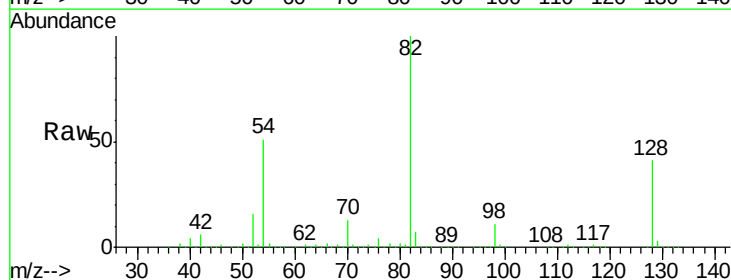


Abundance Ion 136.00 (135.70 to 136.70): E
1500000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

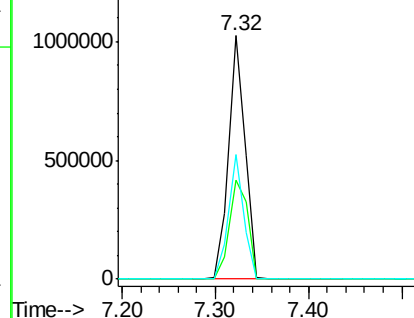
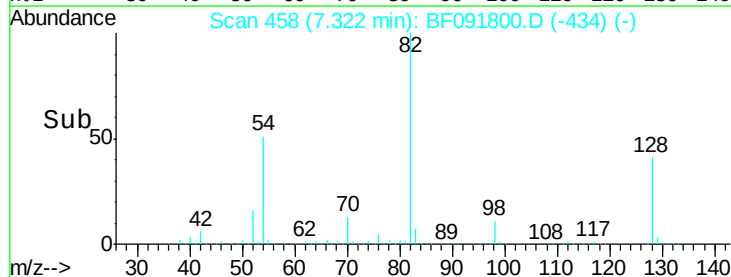


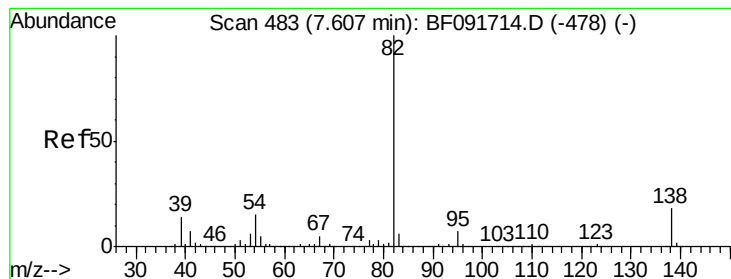
#23
Nitrobenzene-d5
Concen: 81.04 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF091800.D
Acq: 20 Dec 2016 3:43

Tgt Ion: 82 Resp: 1268445
Ion Ratio Lower Upper
82 100
128 40.7 34.6 52.0
54 51.0 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





#25

Isophorone

Concen: 35.65 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.29 min

Lab File: BF091800.D

Acq: 20 Dec 2016 3:43

Instrument :

BNA_F

ClientSampleId :

SBW-1

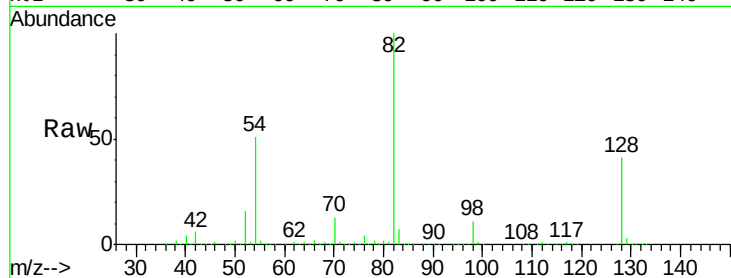
Tgt Ion: 82 Resp: 1064605

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

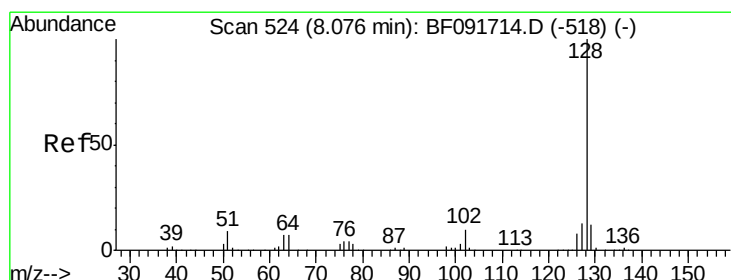
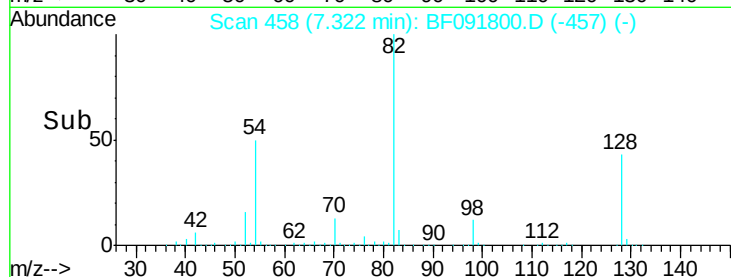
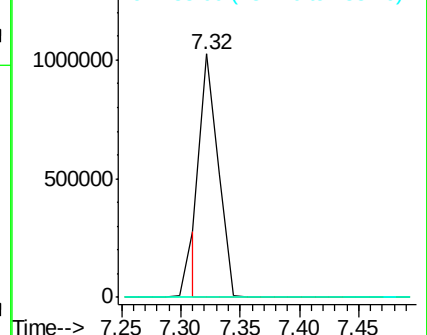
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 2.32 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF091800.D

Acq: 20 Dec 2016 3:43

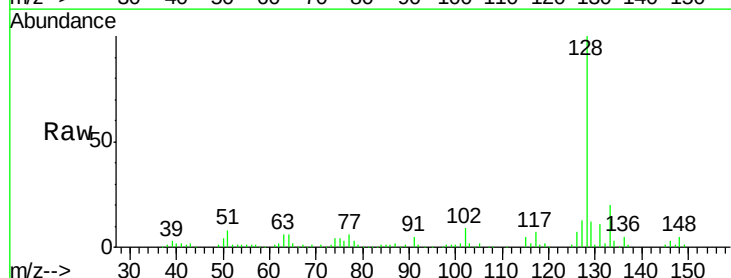
Tgt Ion: 128 Resp: 100092

Ion Ratio Lower Upper

128 100

129 12.4 9.5 14.3

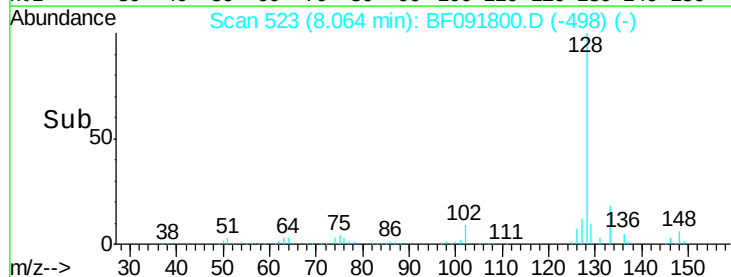
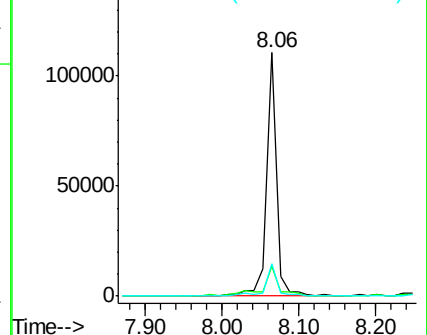
127 13.3 10.8 16.2

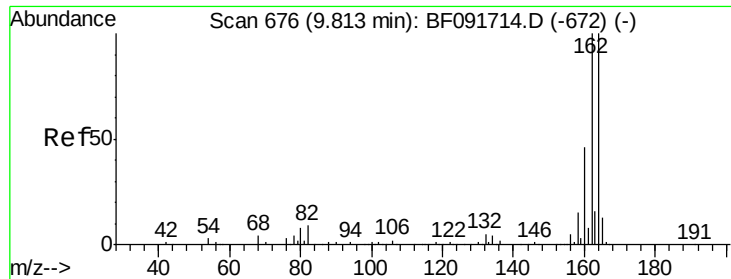


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

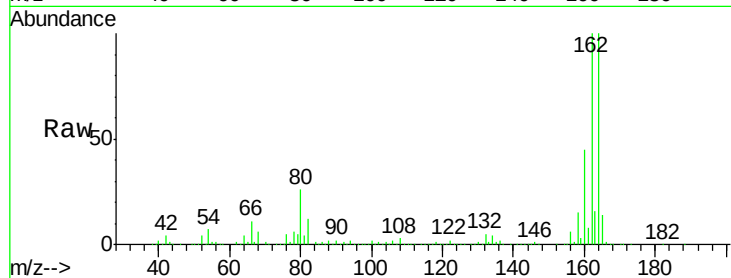




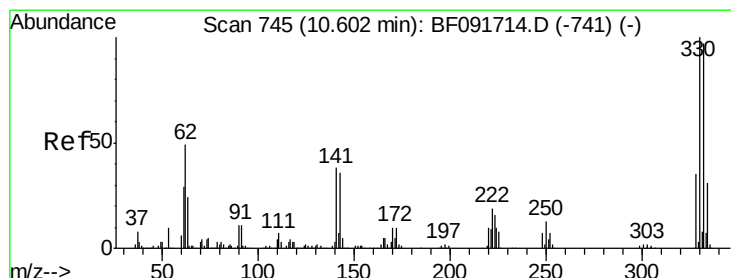
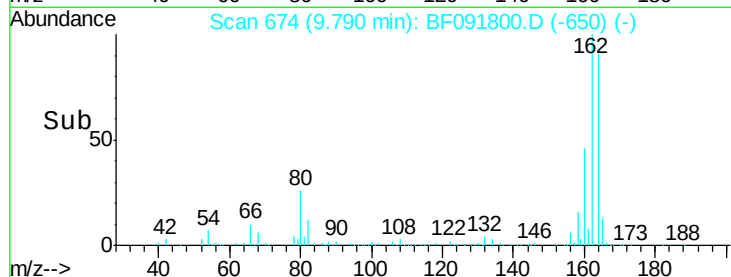
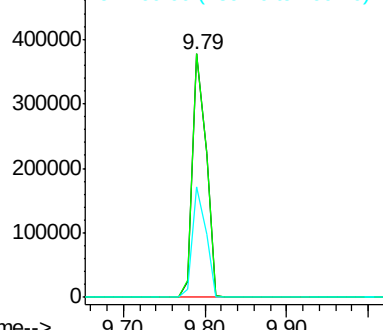
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.02 min
Lab File: BF091800.D
Acq: 20 Dec 2016 3:43

Instrument :
BNA_F
ClientSampled :
SBW-1

Tgt Ion:164 Resp: 434449
Ion Ratio Lower Upper
164 100
162 99.8 80.2 120.2
160 45.5 36.9 55.3

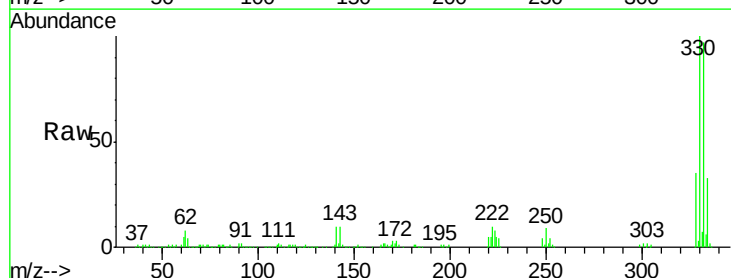


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

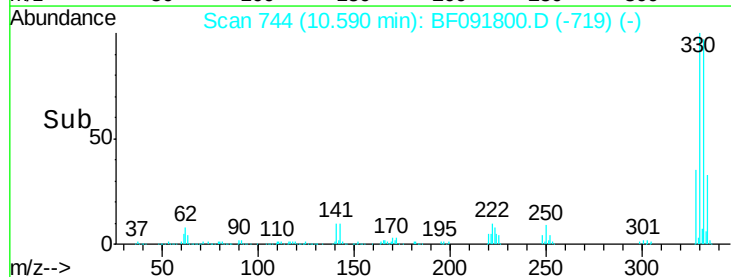
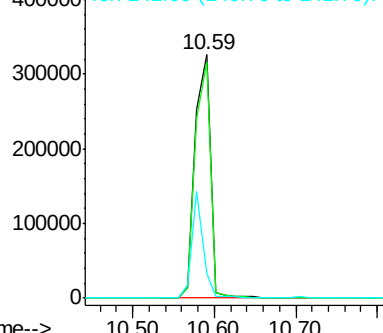


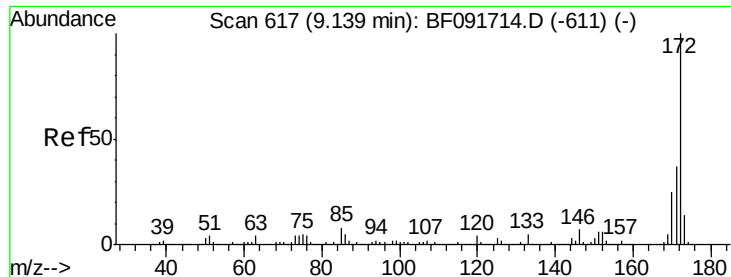
#41
2,4,6-Tribromophenol
Concen: 114.56 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF091800.D
Acq: 20 Dec 2016 3:43

Tgt Ion:330 Resp: 422046
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.2
141 32.7 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

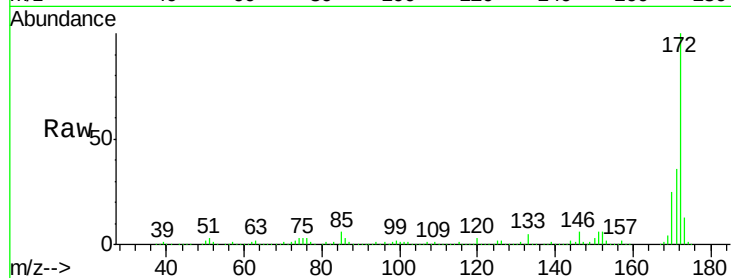




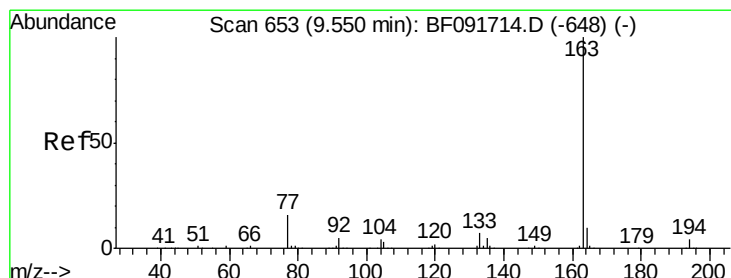
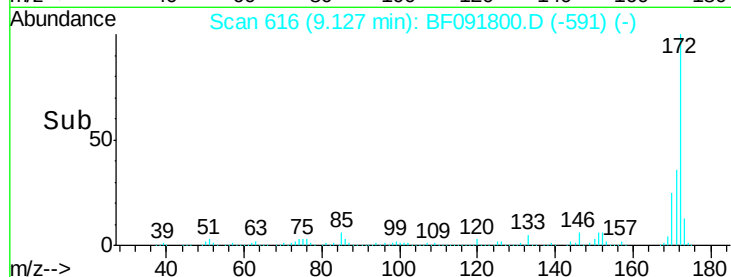
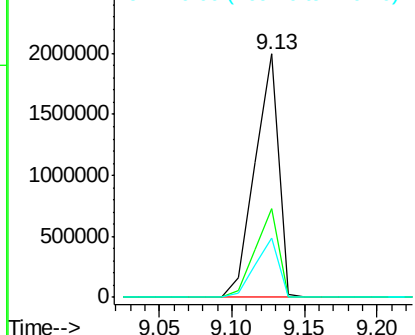
#44
 2-Fluorobiphenyl
 Concen: 105.02 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF091800.D
 Acq: 20 Dec 2016 3:43

Instrument :
 BNA_F
 ClientSampled :
 SBW-1

Tgt Ion:172 Resp: 2270982
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 24.6 20.2 30.4

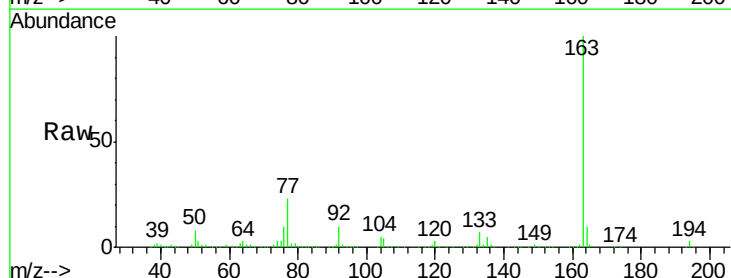


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

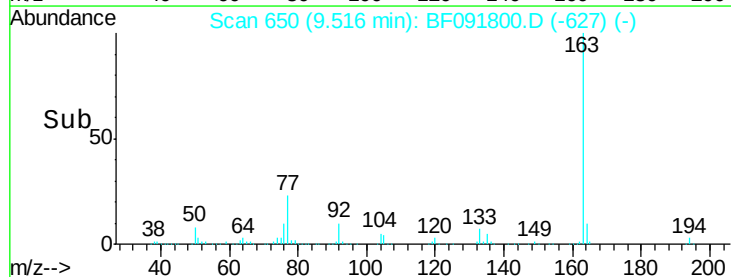
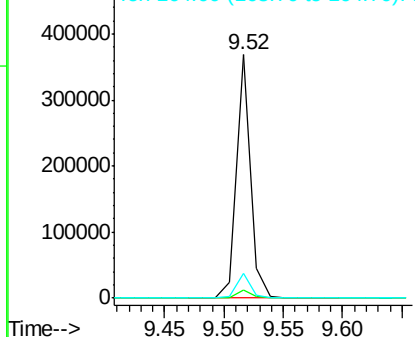


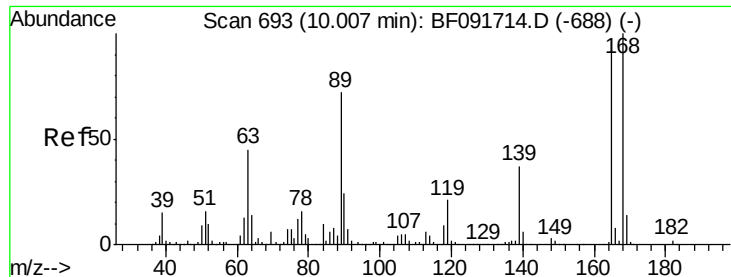
#49
 Dimethylphthalate
 Concen: 10.78 ng
 RT: 9.52 min Scan# 650
 Delta R.T. -0.03 min
 Lab File: BF091800.D
 Acq: 20 Dec 2016 3:43

Tgt Ion:163 Resp: 306008
 Ion Ratio Lower Upper
 163 100
 194 3.2 3.0 4.4
 164 10.0 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

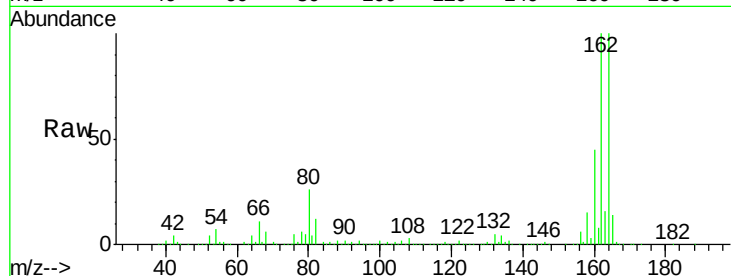




#56
 2,4-Dinitrotoluene
 Concen: 7.49 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.22 min
 Lab File: BF091800.D
 Acq: 20 Dec 2016 3:43

Instrument :
 BNA_F
 ClientSampleId :
 SBW-1

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	40.2	60.4#
89	1.7	62.5	93.7#
182	1.7	1.8	2.8#

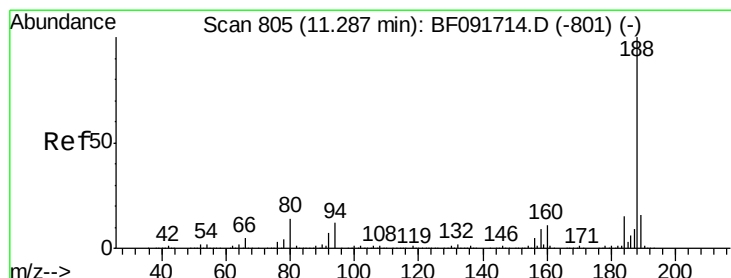
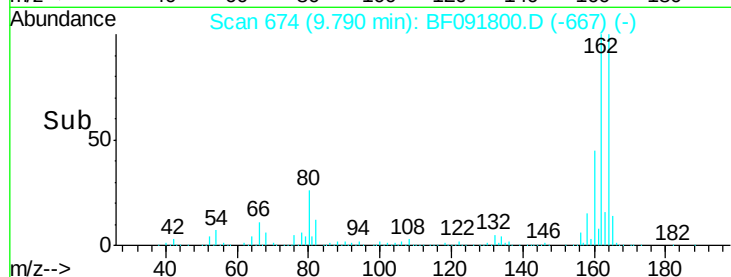
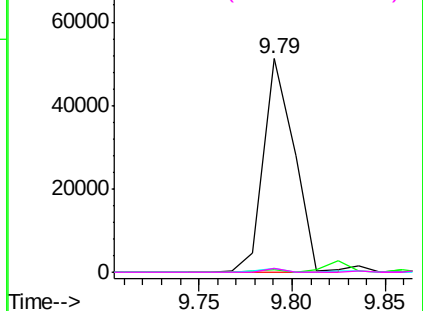


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

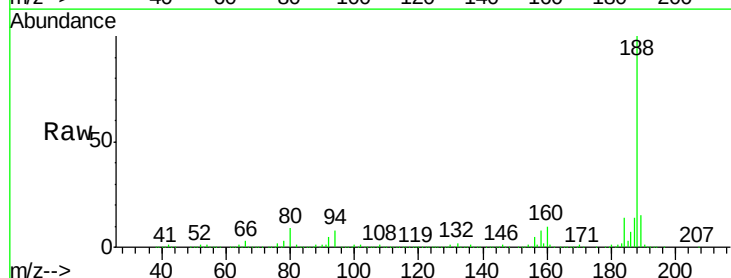
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.28 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF091800.D
 Acq: 20 Dec 2016 3:43

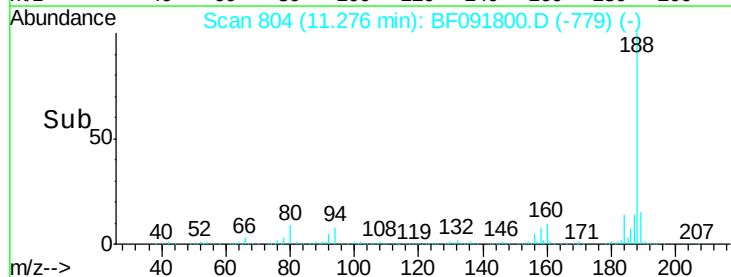
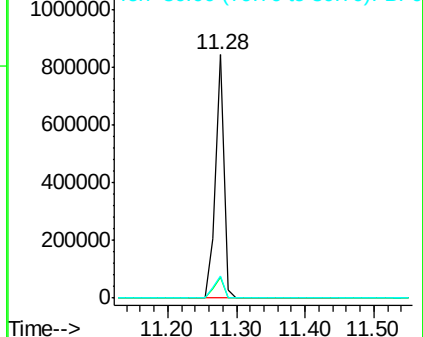
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	10.0	15.0#
80	9.1	11.2	16.8#

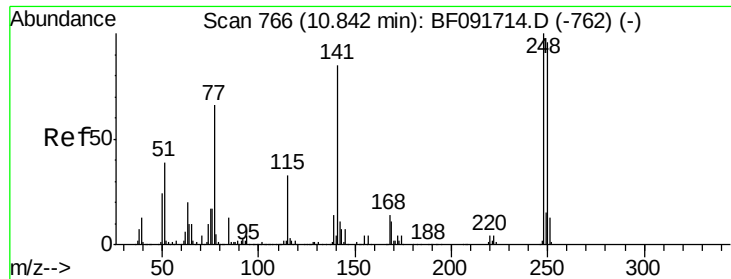


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.21 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.26 min

Lab File: BF091800.D

Acq: 20 Dec 2016 3:43

Instrument :

BNA_F

ClientSampleId :

SBW-1

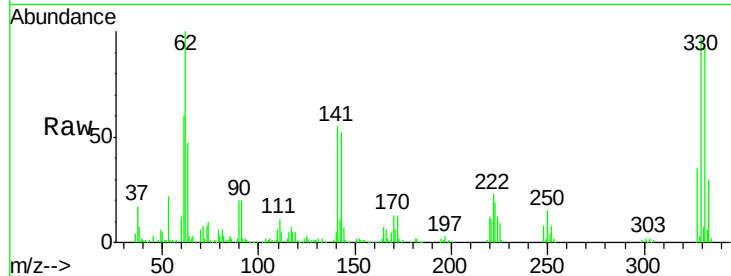
Tgt Ion:248 Resp: 25327

Ion Ratio Lower Upper

248 100

250 184.5 76.9 115.3#

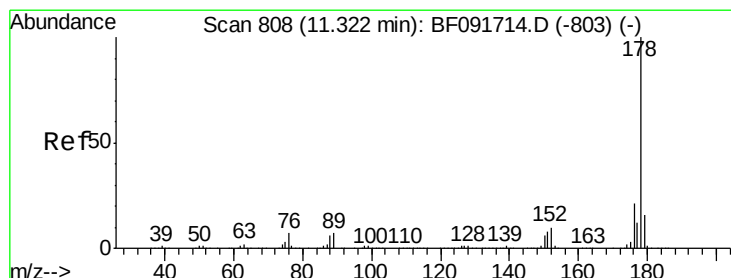
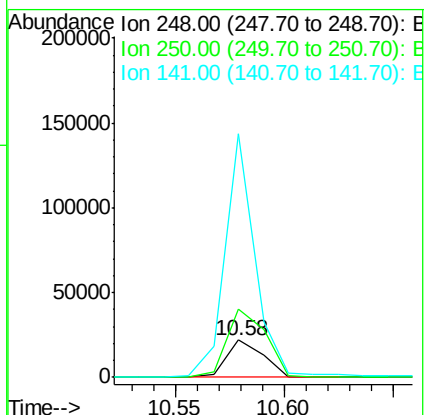
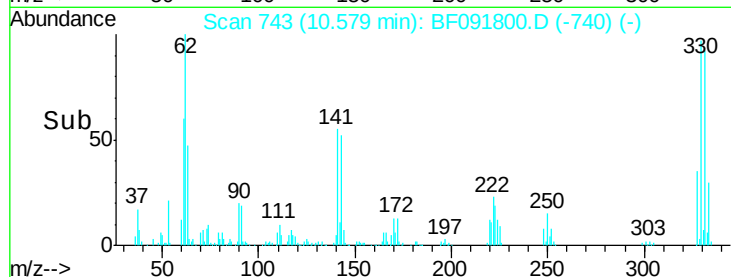
141 654.2 68.2 102.4#



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



#70

Phenanthrene

Concen: 3.37 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF091800.D

Acq: 20 Dec 2016 3:43

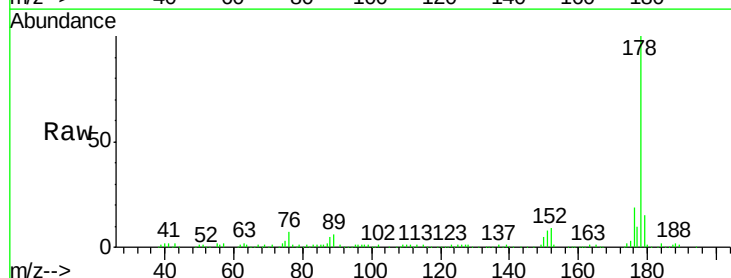
Tgt Ion:178 Resp: 126636

Ion Ratio Lower Upper

178 100

176 18.7 16.6 25.0

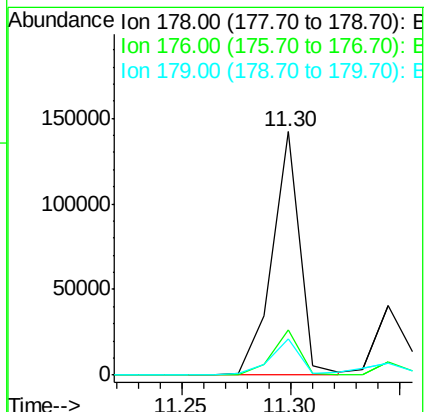
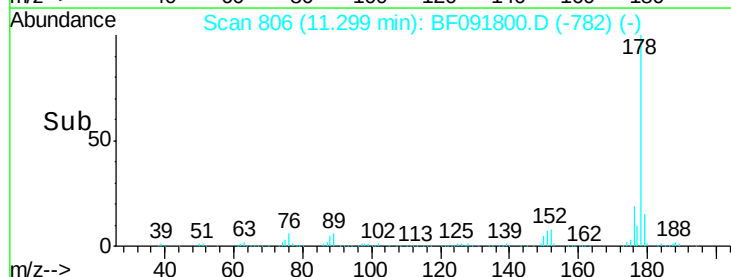
179 15.1 12.8 19.2

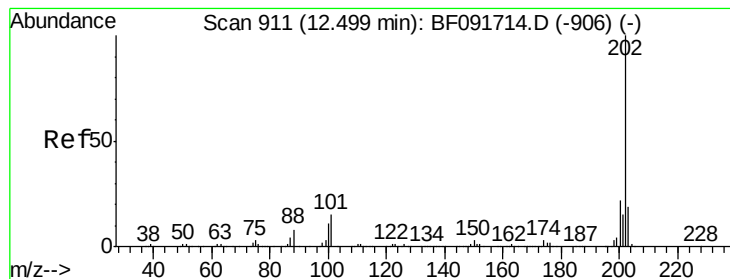


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 2.86 ng

RT: 12.48 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF091800.D

Acq: 20 Dec 2016 3:43

Instrument :

BNA_F

ClientSampleId :

SBW-1

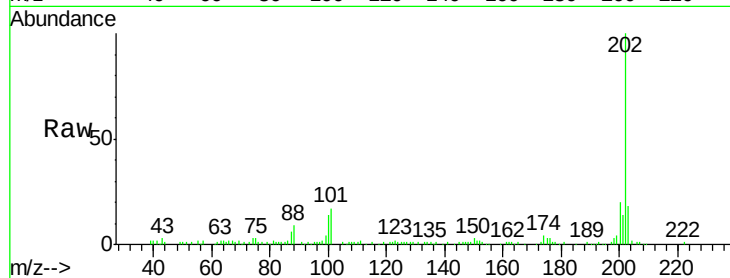
Tgt Ion: 202 Resp: 112046

Ion Ratio Lower Upper

202 100

101 16.5 0.0 34.6

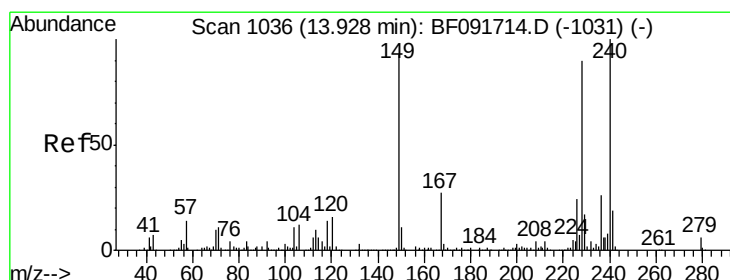
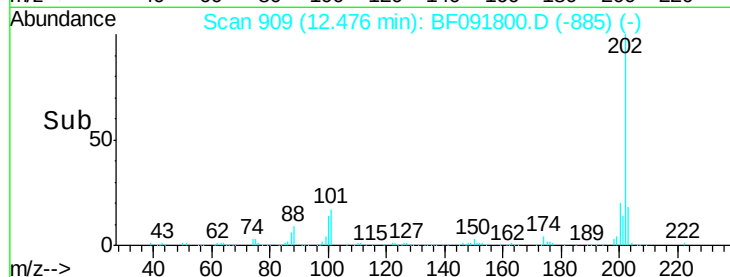
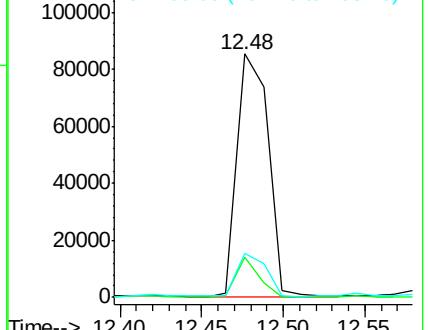
203 18.2 0.0 38.7



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: 13.91 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF091800.D

Acq: 20 Dec 2016 3:43

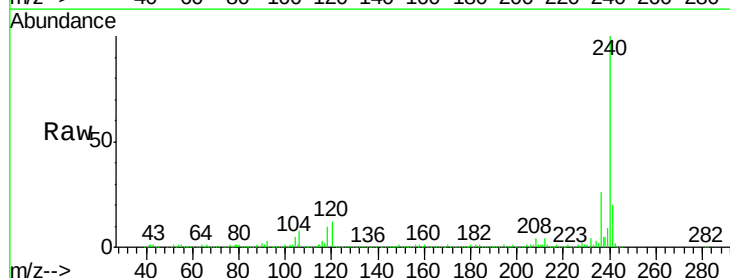
Tgt Ion: 240 Resp: 507286

Ion Ratio Lower Upper

240 100

120 11.8 12.9 19.3#

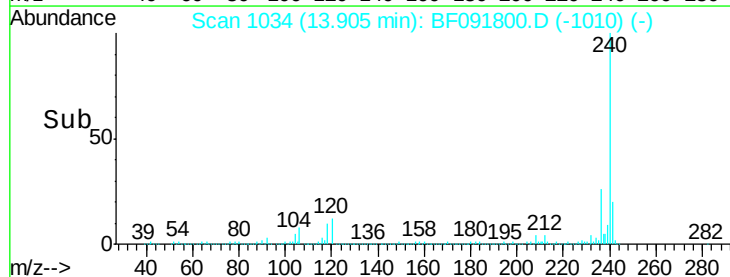
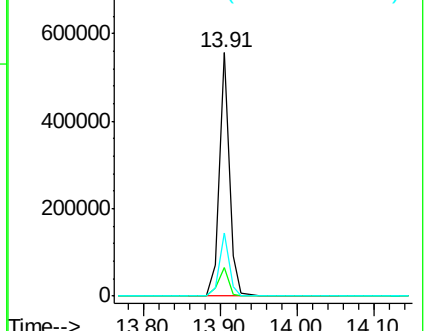
236 26.0 20.9 31.3

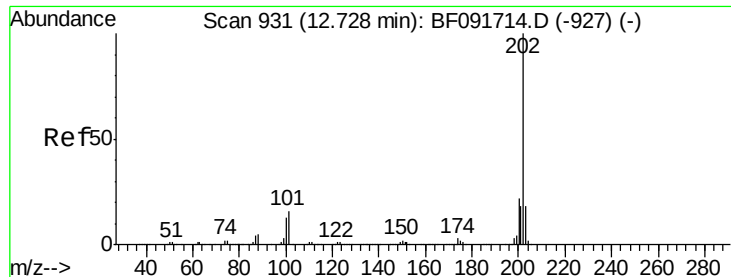


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.74 ng

RT: 12.70 min Scan# 929

Delta R.T. -0.02 min

Lab File: BF091800.D

Acq: 20 Dec 2016 3:43

Instrument :

BNA_F

ClientSampleId :

SBW-1

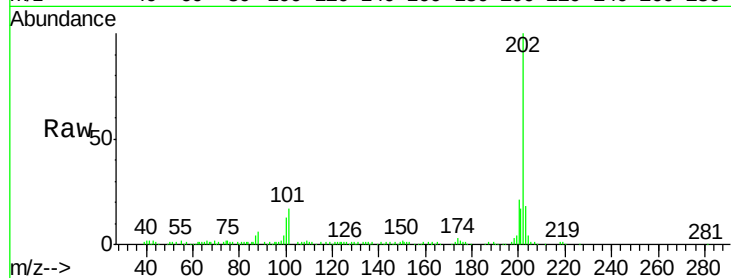
Tgt Ion:202 Resp: 100240

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

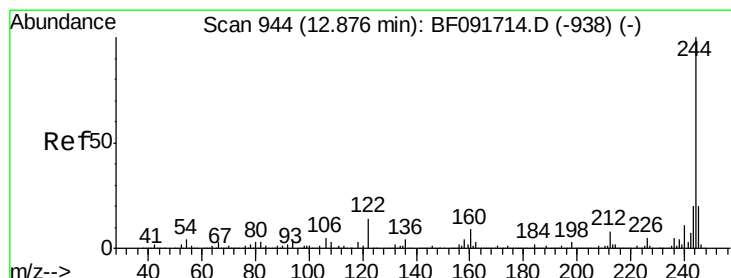
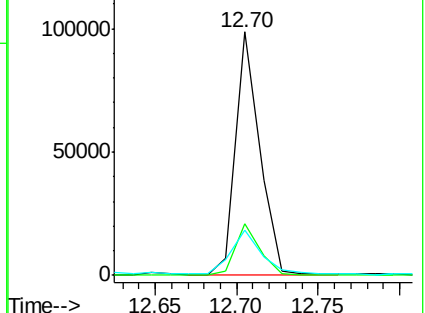
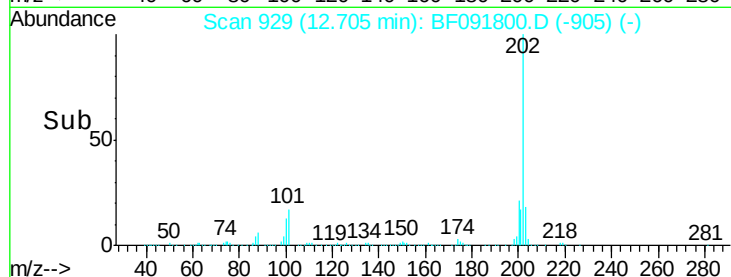
203 18.4 14.7 22.1



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: 86.12 ng

RT: 12.86 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF091800.D

Acq: 20 Dec 2016 3:43

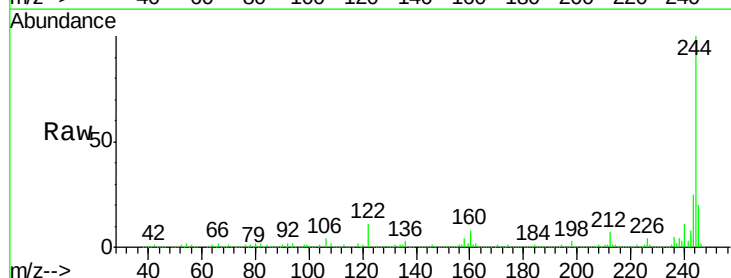
Tgt Ion:244 Resp: 1730184

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

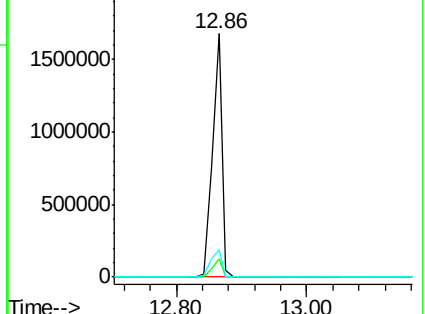
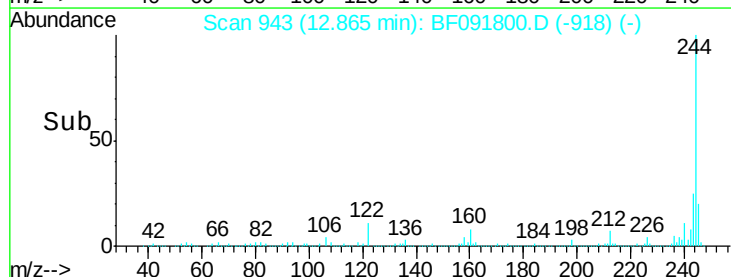
122 11.2 11.4 17.2#

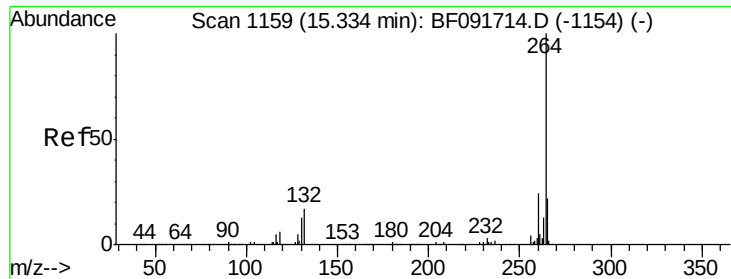


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

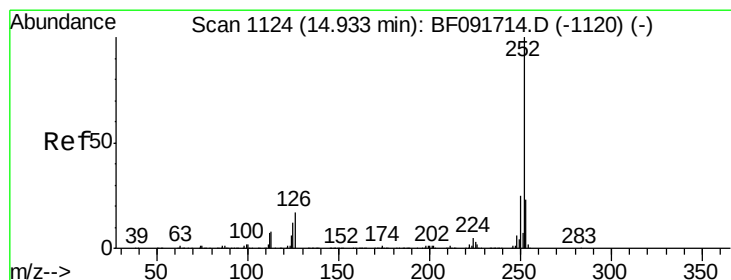
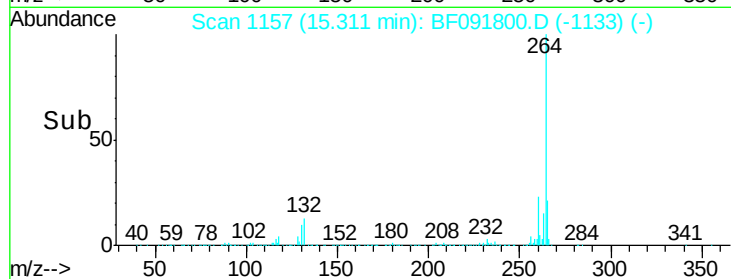
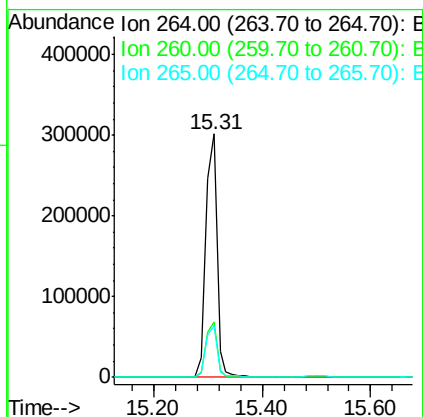
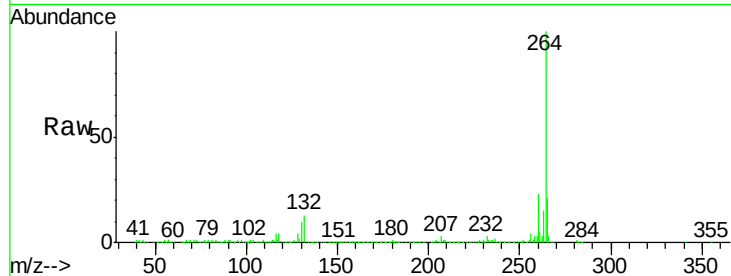




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF091800.D
Acq: 20 Dec 2016 3:43

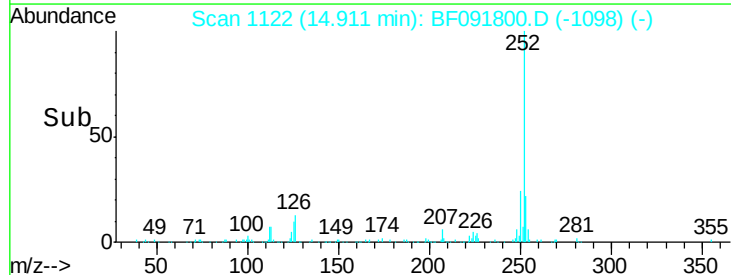
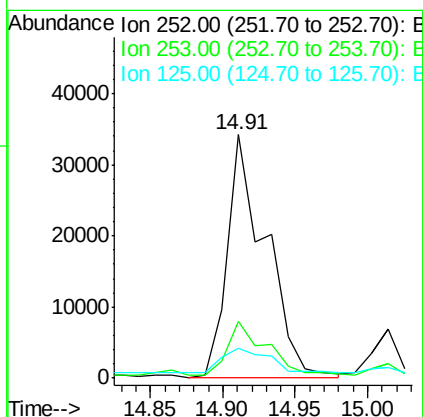
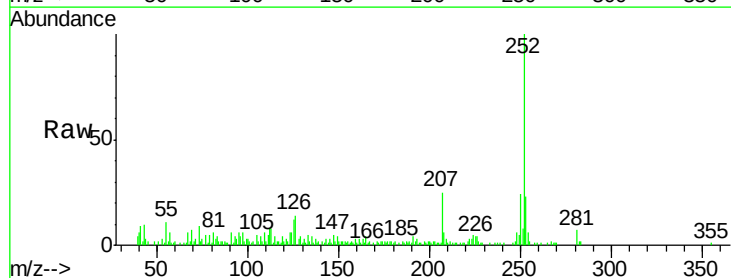
Instrument :
BNA_F
ClientSampleId :
SBW-1

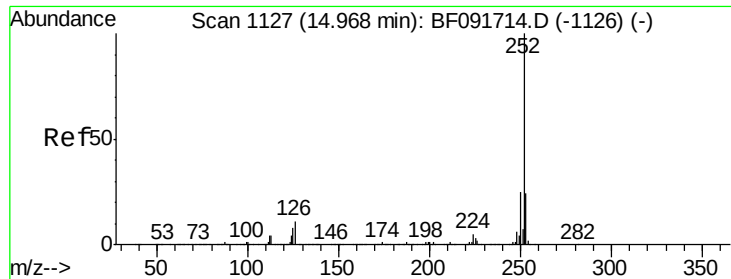
Tgt Ion:264 Resp: 431193
Ion Ratio Lower Upper
264 100
260 23.0 19.2 28.8
265 21.4 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 2.31 ng
RT: 14.91 min Scan# 1122
Delta R.T. -0.02 min
Lab File: BF091800.D
Acq: 20 Dec 2016 3:43

Tgt Ion:252 Resp: 63187
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.4
125 12.4 9.8 14.6





#88

Benzo(k)fluoranthene

Concen: 3.29 ng

RT: 14.91 min Scan# 1122

Delta R.T. -0.06 min

Lab File: BF091800.D

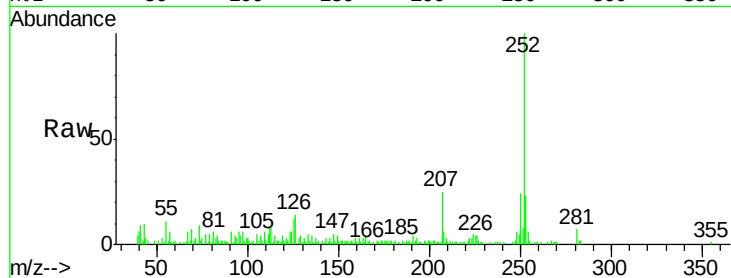
Acq: 20 Dec 2016 3:43

Instrument :

BNA_F

ClientSampleId :

SBW-1



Tgt Ion:	252	Resp:	63187
Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.5	27.7
125	12.4	8.9	13.3

