

Data Path : Z:\HPCHEM1\BNA F\Data\BF113016\
 Data File : BF091351.D
 Acq On : 30 Nov 2016 13:46
 Operator : UM/SJ
 Sample : H5760-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 30 18:01:15 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

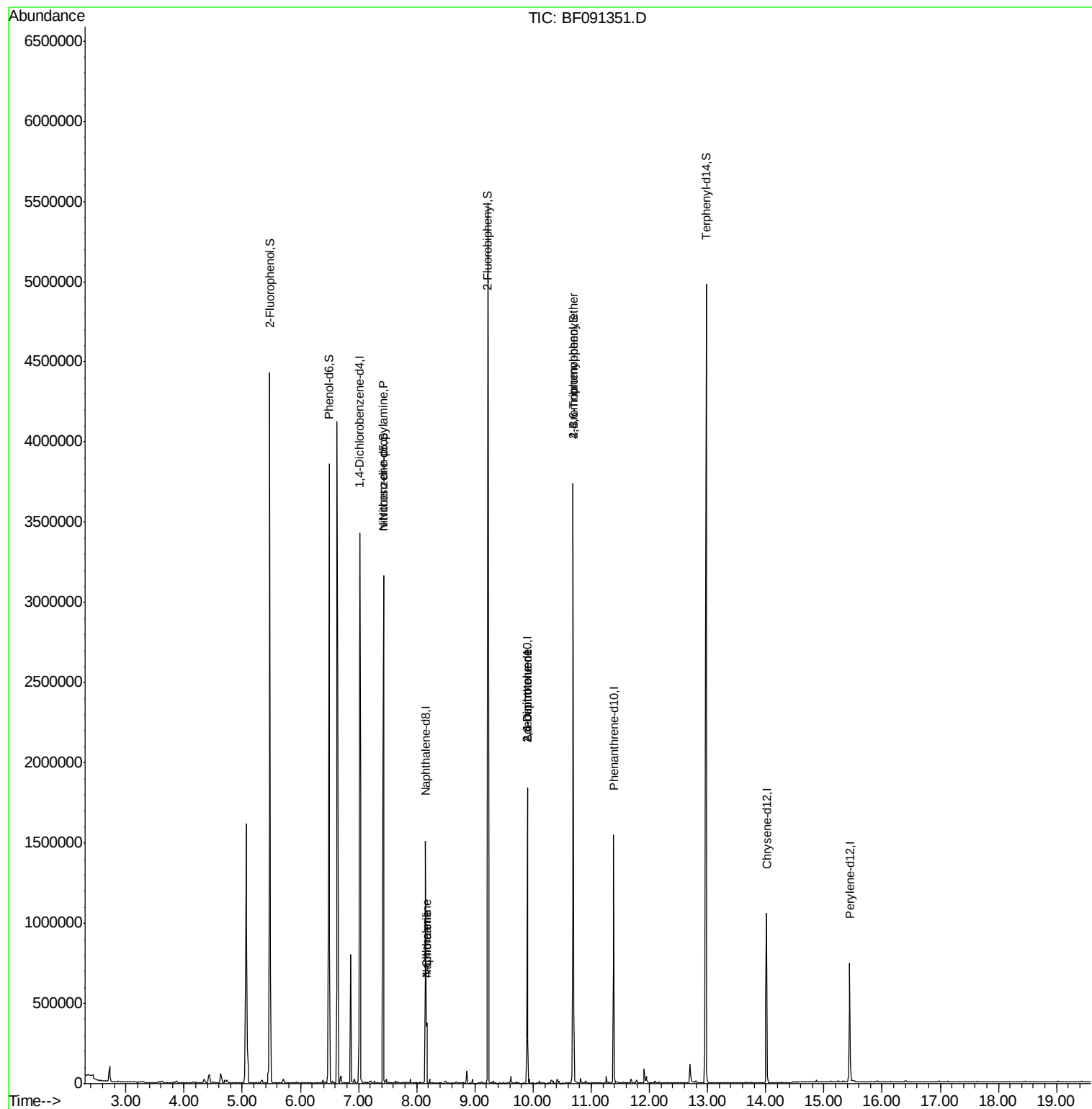
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	596745	20.00	ng	0.14
21) Naphthalene-d8	8.15	136	722687	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	387056	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	657165	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	439938	20.00	ng	-0.03
86) Perylene-d12	15.44	264	370627	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1172988	32.11	ng	0.00
7) Phenol-d6	6.49	99	1343515	29.88	ng	0.00
23) Nitrobenzene-d5	7.43	82	1175780	91.18	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	434328	118.53	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	1855514	86.80	ng	-0.02
78) Terphenyl-d14	12.97	244	1957953	96.73	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	162245	5.73	ng	# 70
31) Naphthalene	8.17	128	232677	6.77	ng	98
33) 4-Chloroaniline	8.17	127	29446	2.01	ng	# 35
50) 2,6-Dinitrotoluene	9.90	165	51116	9.76	ng	# 16
56) 2,4-Dinitrotoluene	9.90	165	51119	7.52	ng	# 33
66) 4-Bromophenyl-phenylether	10.69	248	27590	3.91	ng	# 1

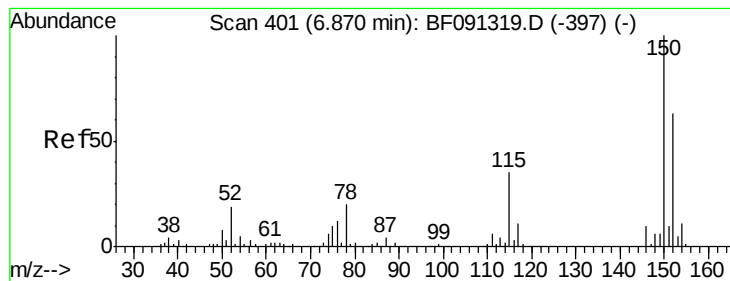
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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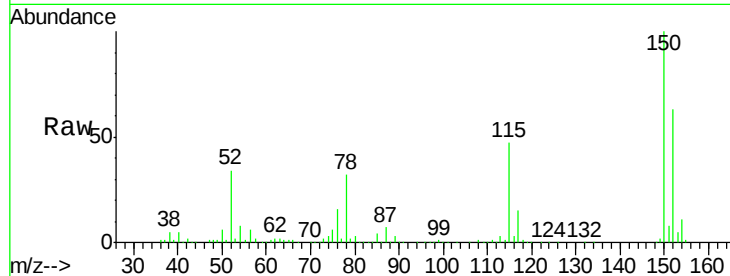


#1

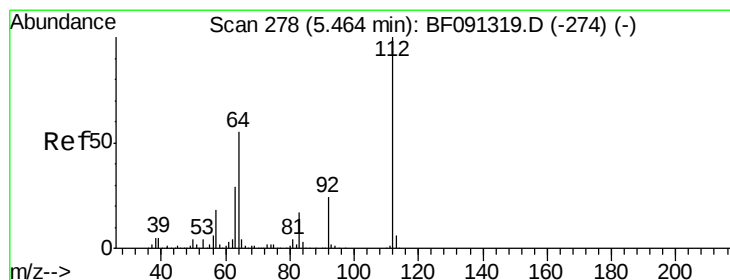
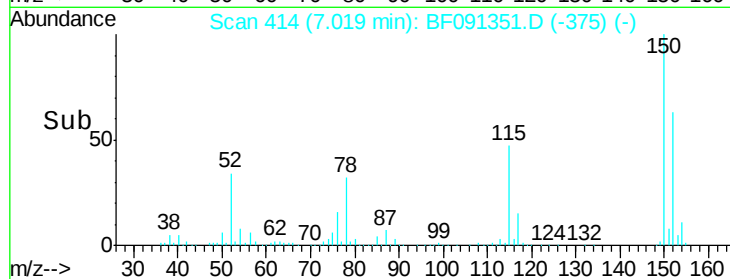
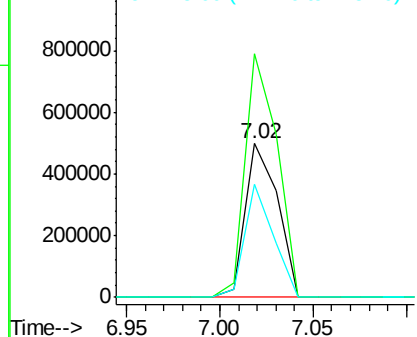
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.02 min Scan# 414
Delta R.T. 0.14 min
Lab File: BF091351.D
Acq: 30 Nov 2016 13:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 596745
Ion Ratio Lower Upper
152 100
150 158.6 122.5 183.7
115 74.1 51.8 77.8



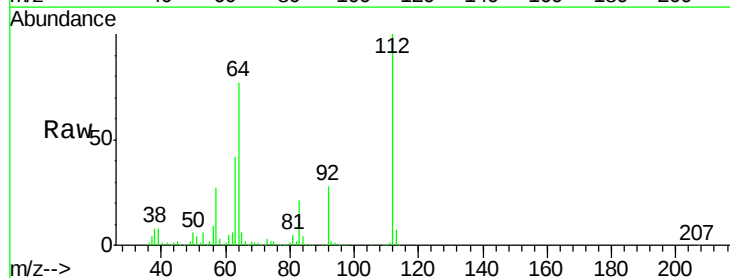
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



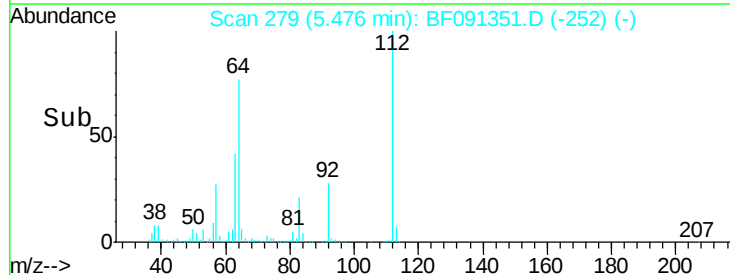
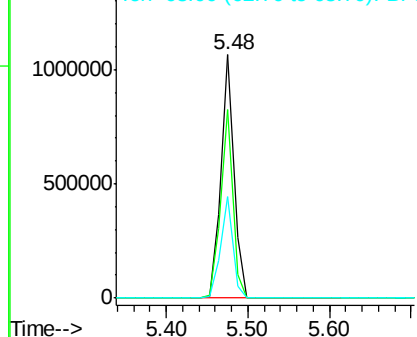
#5

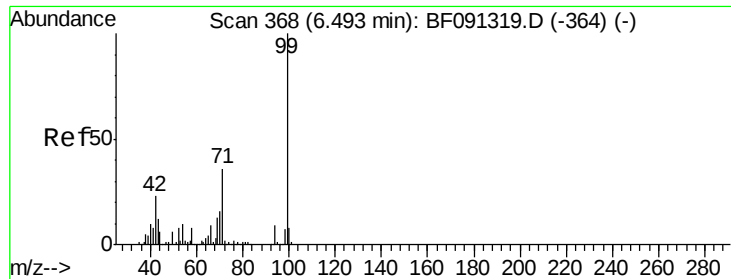
2-Fluorophenol
Concen: 32.11 ng
RT: 5.48 min Scan# 279
Delta R.T. 0.01 min
Lab File: BF091351.D
Acq: 30 Nov 2016 13:46

Tgt Ion:112 Resp: 1172988
Ion Ratio Lower Upper
112 100
64 77.2 61.5 92.3
63 41.8 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: 29.88 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF091351.D

Acq: 30 Nov 2016 13:46

Instrument :

BNA_F

ClientSampleId :

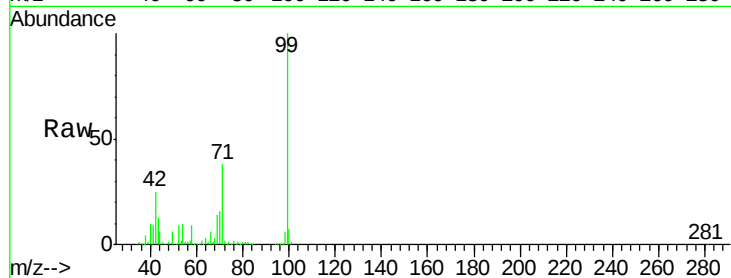
Tot Ion: 99 Resp: 1343515

Ion Ratio Lower Upper

99 100

42 25.1 20.6 31.0

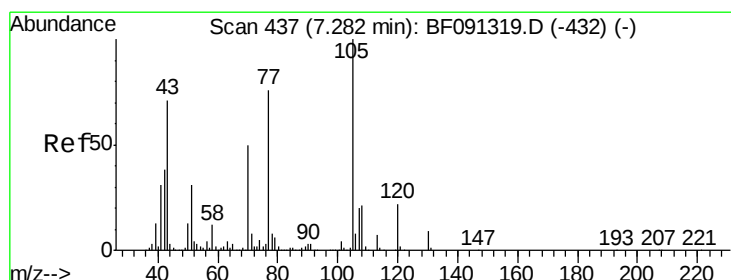
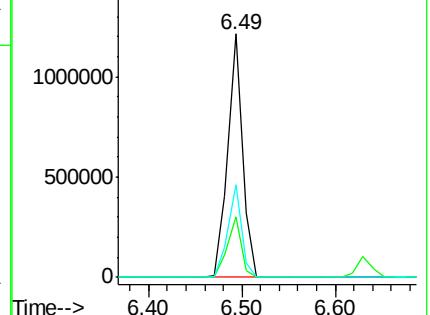
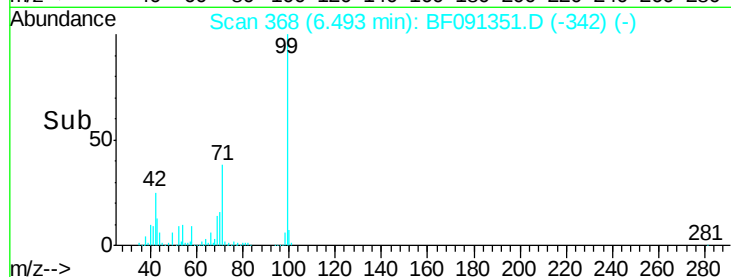
71 38.2 29.9 44.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.73 ng

RT: 7.43 min Scan# 450

Delta R.T. 0.13 min

Lab File: BF091351.D

Acq: 30 Nov 2016 13:46

Tgt Ion: 70 Resp: 162245

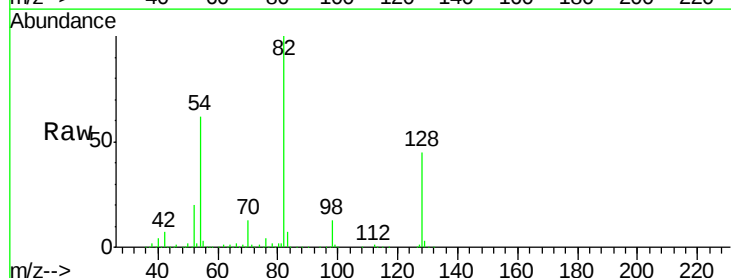
Ion Ratio Lower Upper

70 100

42 54.1 64.8 97.2#

101 0.0 6.2 9.4#

130 2.0 11.7 17.5#

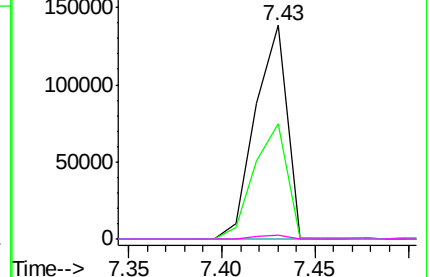
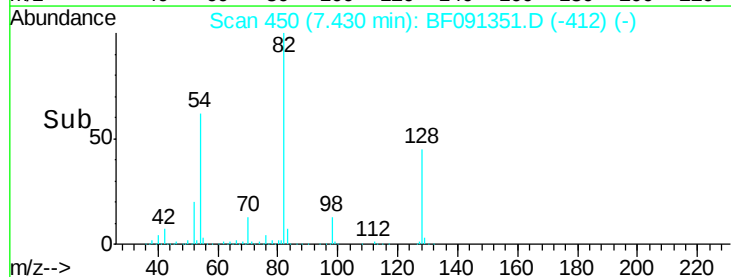


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF091351.D

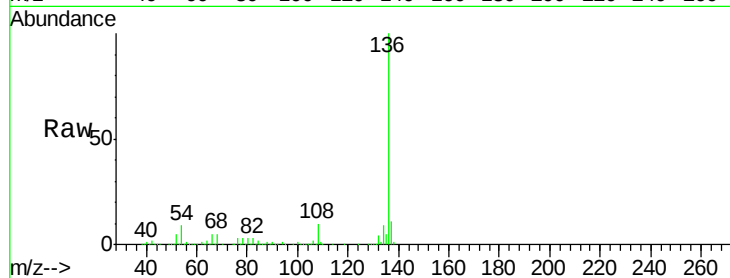
Acq: 30 Nov 2016 13:46

Instrument :

BNA_F

ClientSampled :

Tot Ion:136	Resp:	722687
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.1 13.7
54	9.2	9.1 13.7
68	4.9	5.9 8.9#

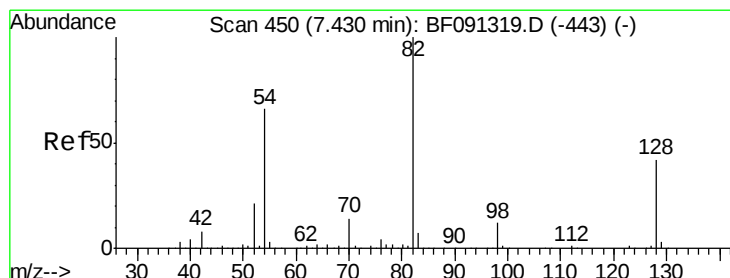
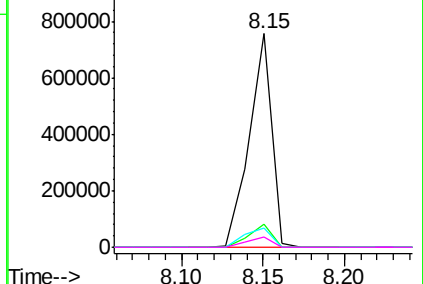
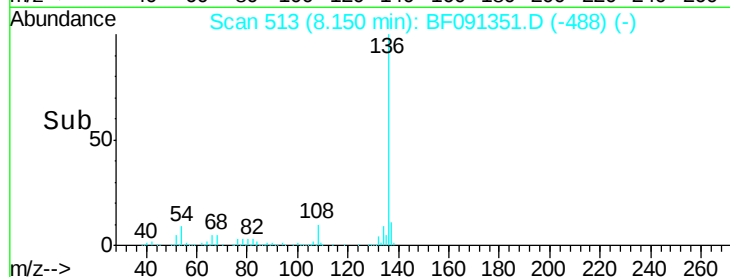


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.18 ng

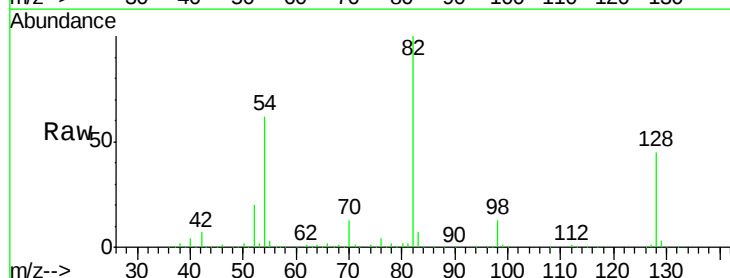
RT: 7.43 min Scan# 450

Delta R.T. -0.02 min

Lab File: BF091351.D

Acq: 30 Nov 2016 13:46

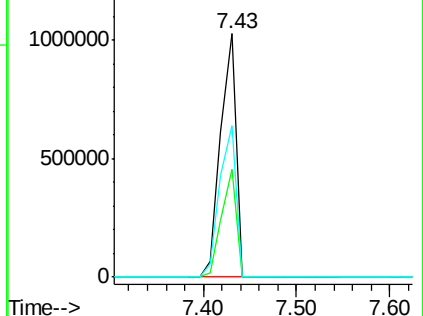
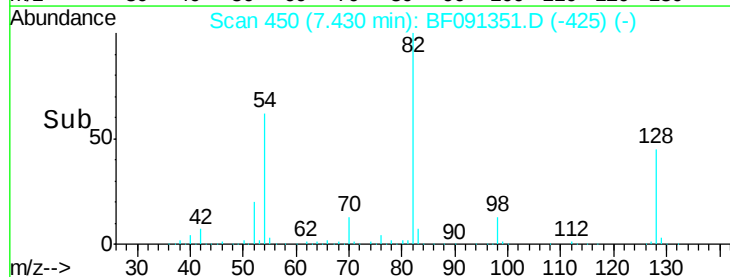
Tgt Ion: 82	Resp:	1175780
Ion Ratio	Lower	Upper
82	100	
128	44.6	31.8 47.6
54	62.0	49.1 73.7

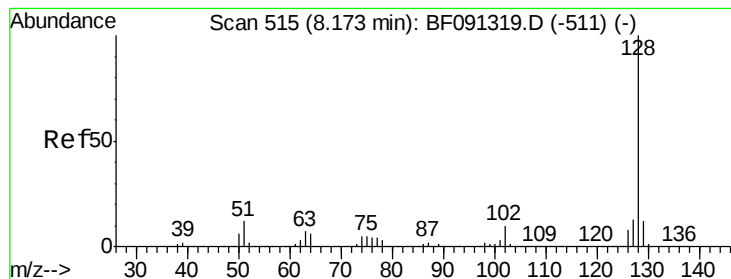


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 6.77 ng

RT: 8.17 min Scan# 515

Delta R.T. -0.02 min

Lab File: BF091351.D

Acq: 30 Nov 2016 13:46

Instrument :

BNA_F

ClientSampled :

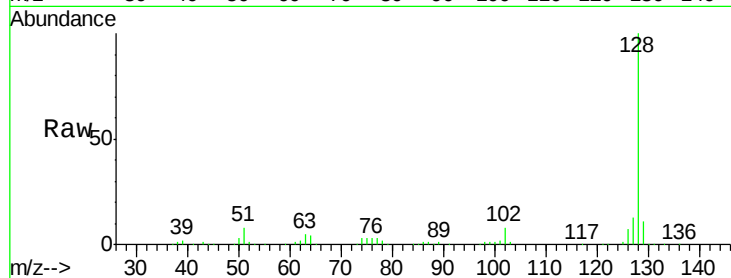
Tot Ion:128 Resp: 232677

Ion Ratio Lower Upper

128 100

129 10.7 9.1 13.7

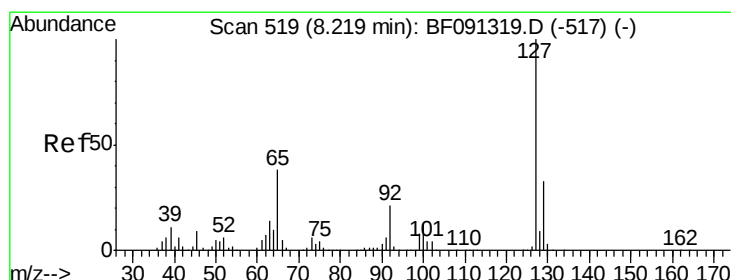
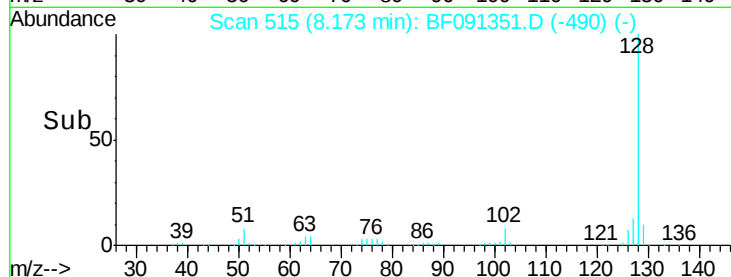
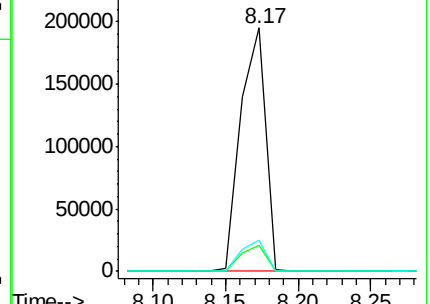
127 13.0 11.0 16.4



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



#33

4-Chloroaniline

Concen: 2.01 ng

RT: 8.17 min Scan# 515

Delta R.T. -0.06 min

Lab File: BF091351.D

Acq: 30 Nov 2016 13:46

Tgt Ion:127 Resp: 29446

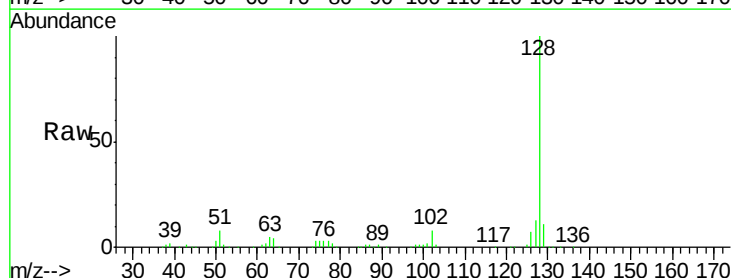
Ion Ratio Lower Upper

127 100

129 82.3 26.2 39.4#

65 1.5 26.6 39.8#

92 0.0 15.4 23.0#

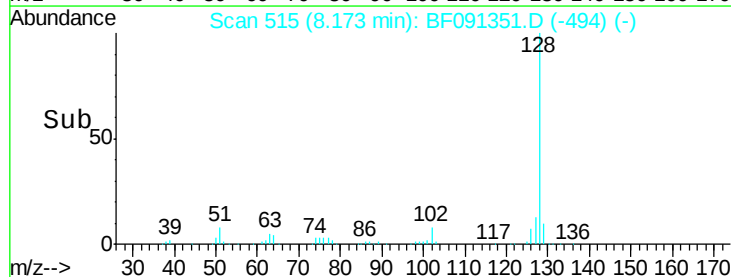
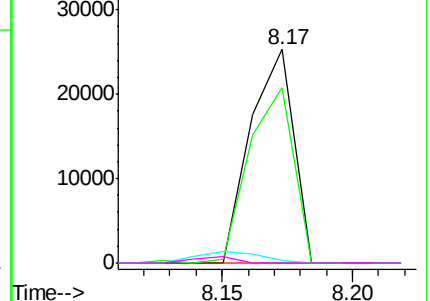


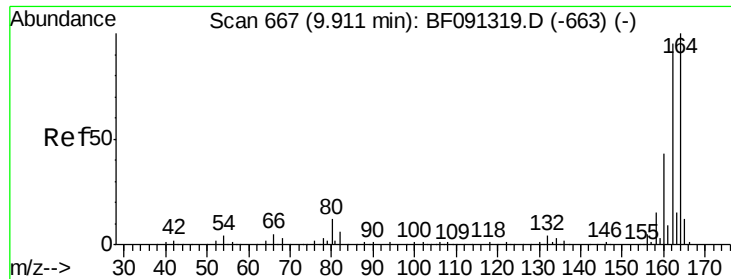
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

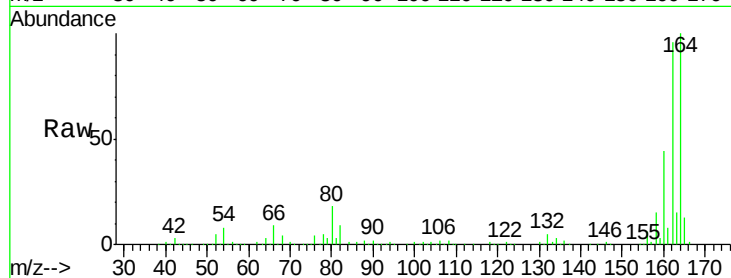




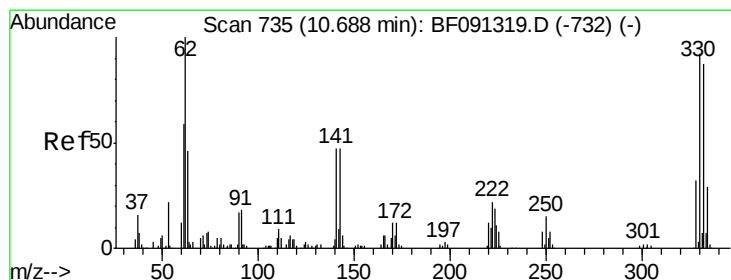
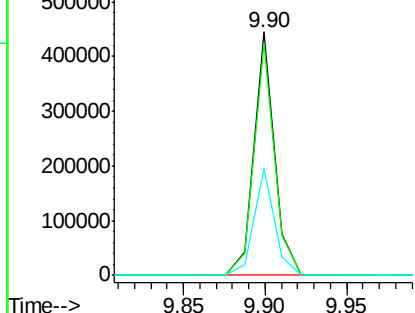
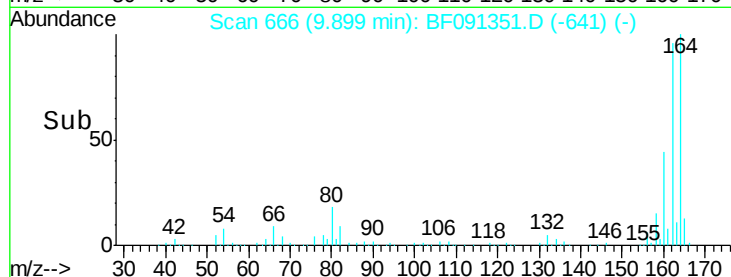
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 666
Delta R.T. -0.02 min
Lab File: BF091351.D
Acq: 30 Nov 2016 13:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 387056
Ion Ratio Lower Upper
164 100
162 95.5 82.6 124.0
160 43.6 36.7 55.1

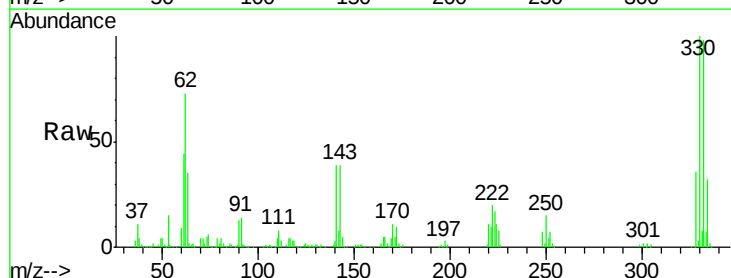


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

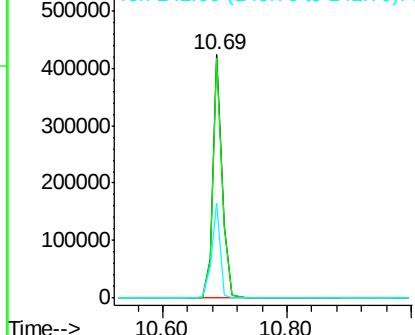
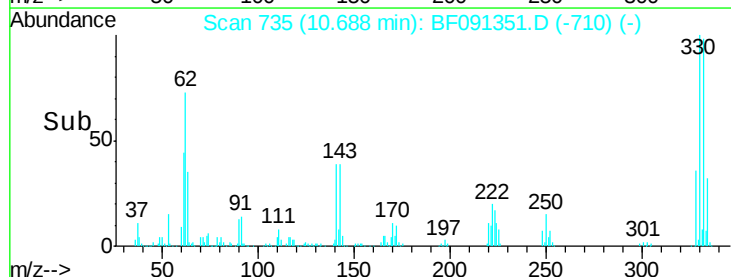


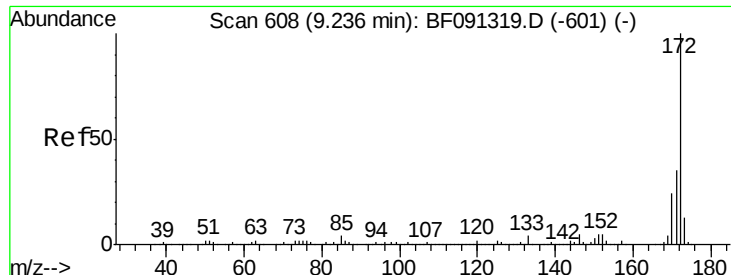
#41
2,4,6-Tribromophenol
Concen: 118.53 ng
RT: 10.69 min Scan# 735
Delta R.T. -0.02 min
Lab File: BF091351.D
Acq: 30 Nov 2016 13:46

Tgt Ion:330 Resp: 434328
Ion Ratio Lower Upper
330 100
332 98.2 76.2 114.4
141 36.4 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

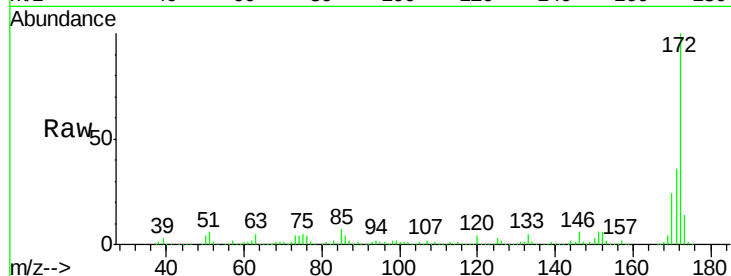




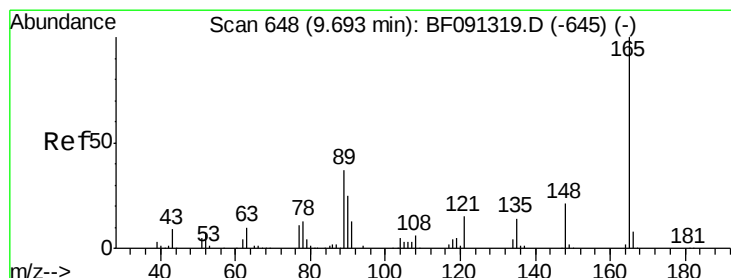
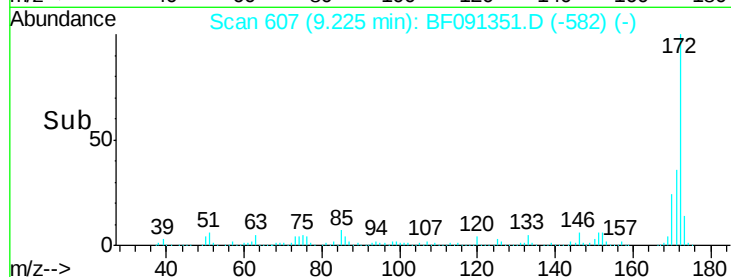
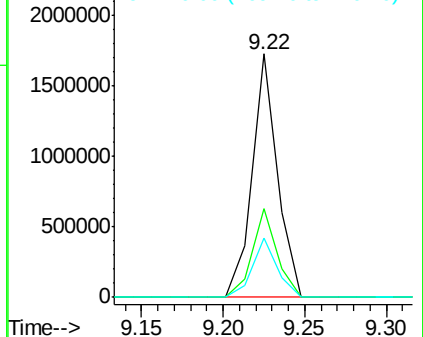
#44
2-Fluorobiphenyl
Concen: 86.80 ng
RT: 9.22 min Scan# 607
Delta R.T. -0.02 min
Lab File: BF091351.D
Acq: 30 Nov 2016 13:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1855514
Ion Ratio Lower Upper
172 100
171 36.2 29.4 44.0
170 24.5 19.7 29.5

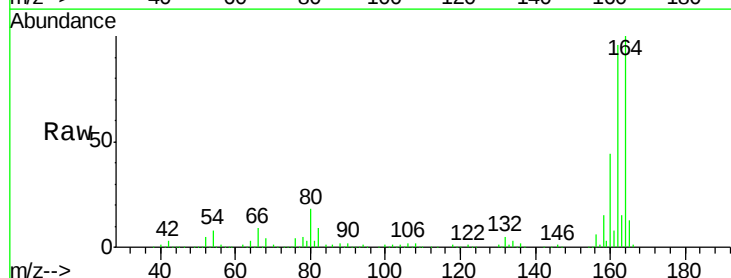


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

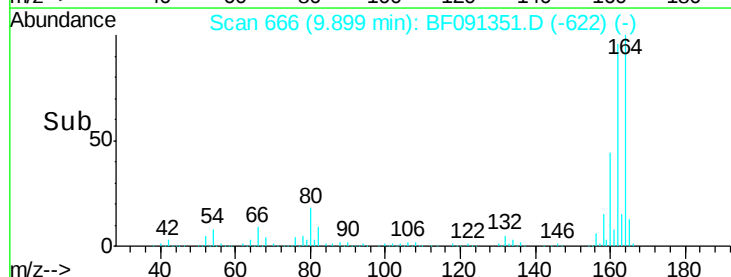
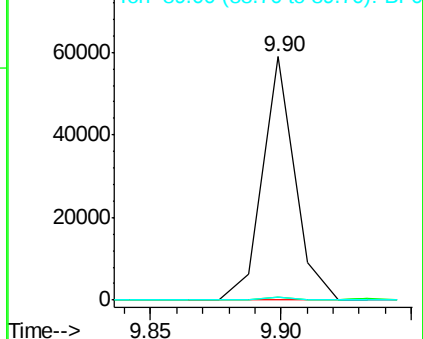


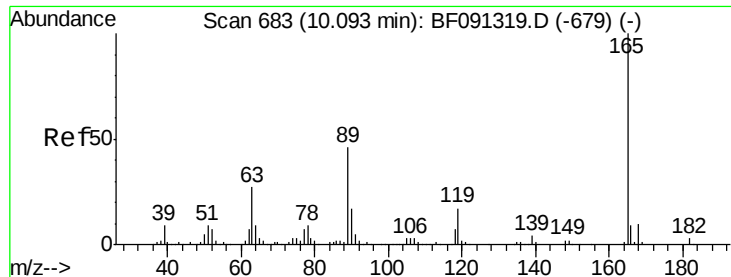
#50
2,6-Dinitrotoluene
Concen: 9.76 ng
RT: 9.90 min Scan# 666
Delta R.T. 0.20 min
Lab File: BF091351.D
Acq: 30 Nov 2016 13:46

Tgt Ion:165 Resp: 51116
Ion Ratio Lower Upper
165 100
63 1.0 59.4 89.0#
89 1.0 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

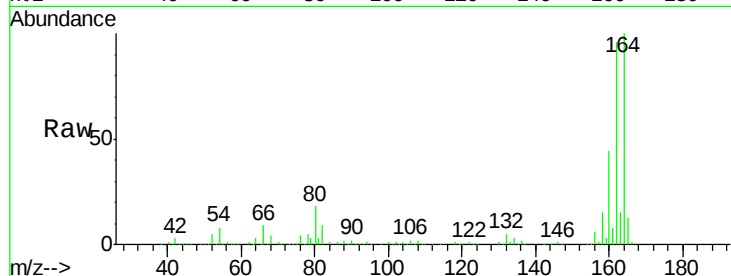




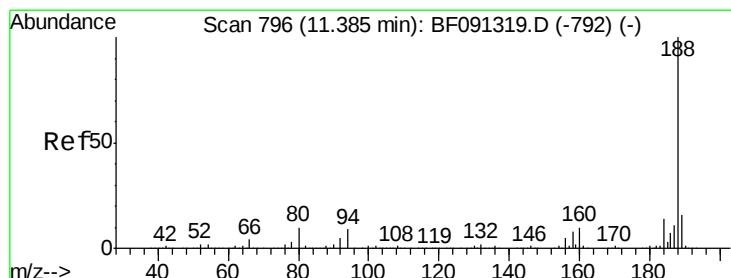
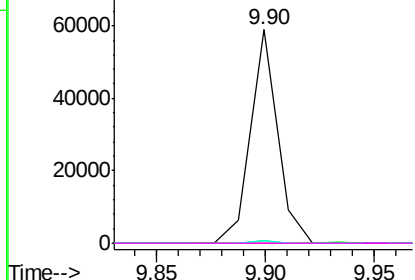
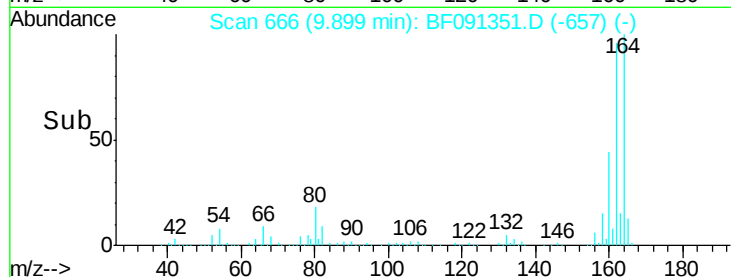
#56
 2,4-Dinitrotoluene
 Concen: 7.52 ng
 RT: 9.90 min Scan# 666
 Delta R.T. -0.20 min
 Lab File: BF091351.D
 Acq: 30 Nov 2016 13:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 51119
 Ion Ratio Lower Upper
 165 100
 63 1.0 29.0 43.4#
 89 1.0 43.1 64.7#
 182 0.0 1.9 2.9#

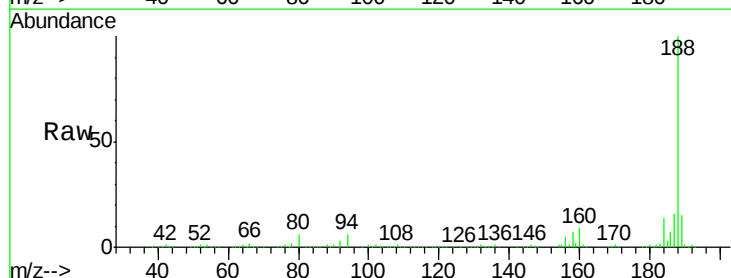


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

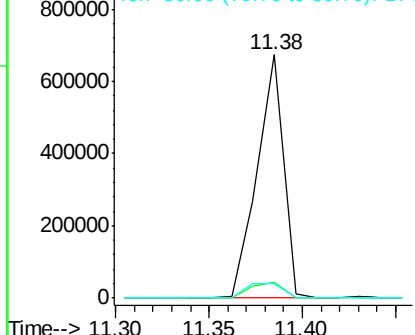
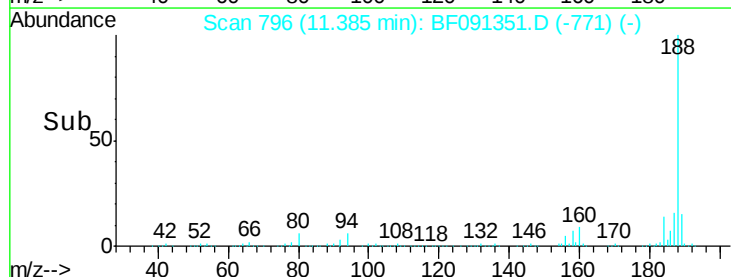


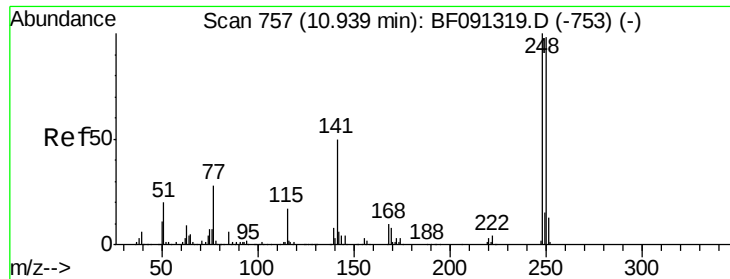
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 796
 Delta R.T. -0.02 min
 Lab File: BF091351.D
 Acq: 30 Nov 2016 13:46

Tgt Ion:188 Resp: 657165
 Ion Ratio Lower Upper
 188 100
 94 6.5 9.2 13.8#
 80 6.1 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

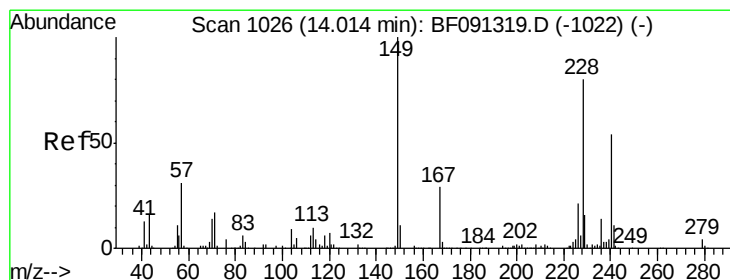
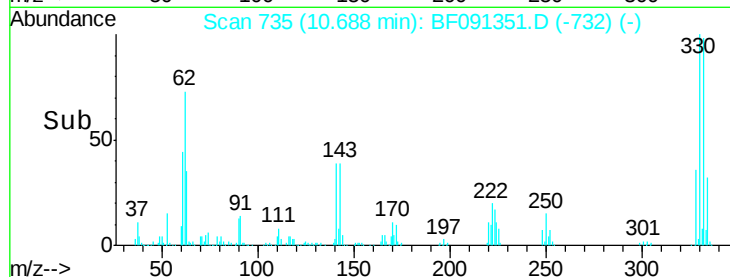
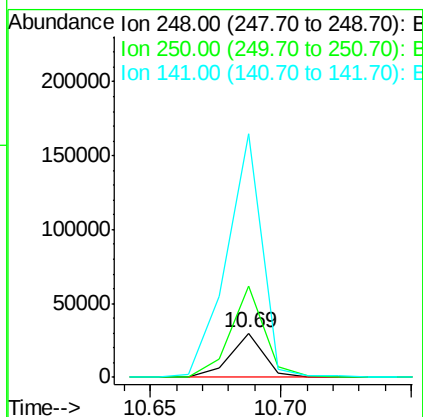
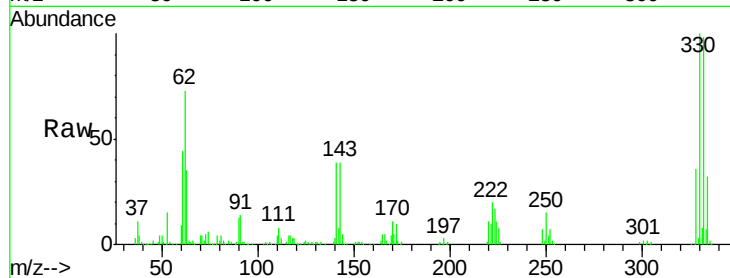




#66
4-Bromophenyl-phenylether
Concen: 3.91 ng
RT: 10.69 min Scan# 735
Delta R.T. -0.27 min
Lab File: BF091351.D
Acq: 30 Nov 2016 13:46

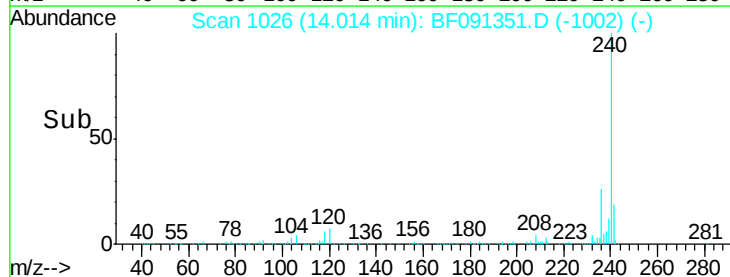
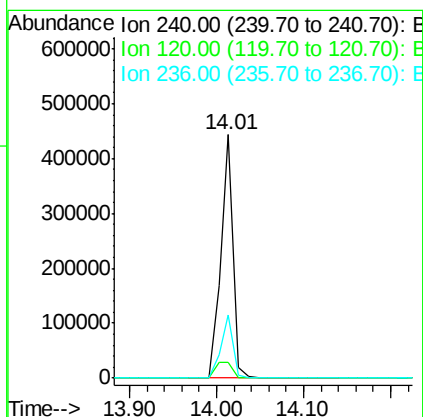
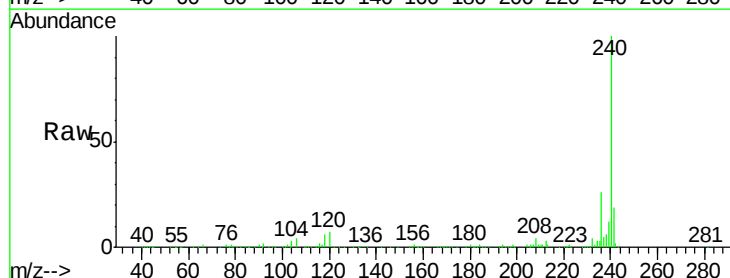
Instrument :
BNA_F
ClientSampled :

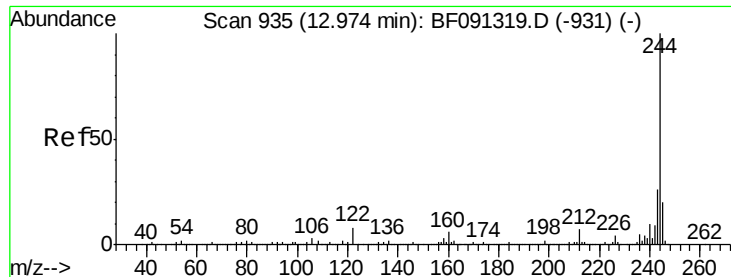
Tot Ion:248 Resp: 27590
Ion Ratio Lower Upper
248 100
250 203.6 78.2 117.4#
141 546.3 71.9 107.9#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1026
Delta R.T. -0.03 min
Lab File: BF091351.D
Acq: 30 Nov 2016 13:46

Tgt Ion:240 Resp: 439938
Ion Ratio Lower Upper
240 100
120 6.7 12.1 18.1#
236 25.7 21.0 31.6



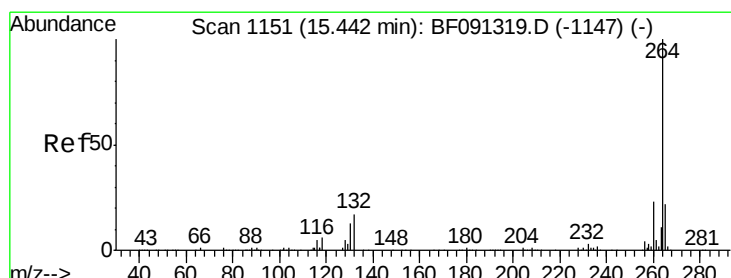
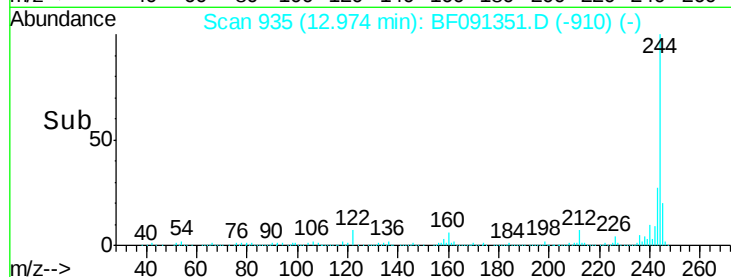
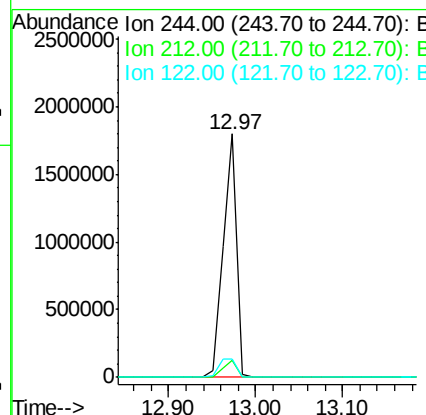
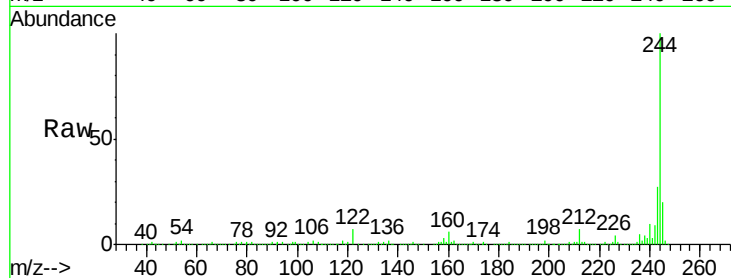


#78
 Terphenyl-d14
 Concen: 96.73 ng
 RT: 12.97 min Scan# 935
 Delta R.T. -0.02 min
 Lab File: BF091351.D
 Acq: 30 Nov 2016 13:46

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:244 Resp: 1957953

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.5	9.7
122	7.4	9.5	14.3#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1151
 Delta R.T. -0.03 min
 Lab File: BF091351.D
 Acq: 30 Nov 2016 13:46

Tgt Ion:264 Resp: 370627

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.8	28.2
265	21.1	17.0	25.6

