

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120616\
 Data File : BF091452.D
 Acq On : 6 Dec 2016 12:01
 Operator : UM/SJ
 Sample : H5802-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Time: Dec 06 23:58:27 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

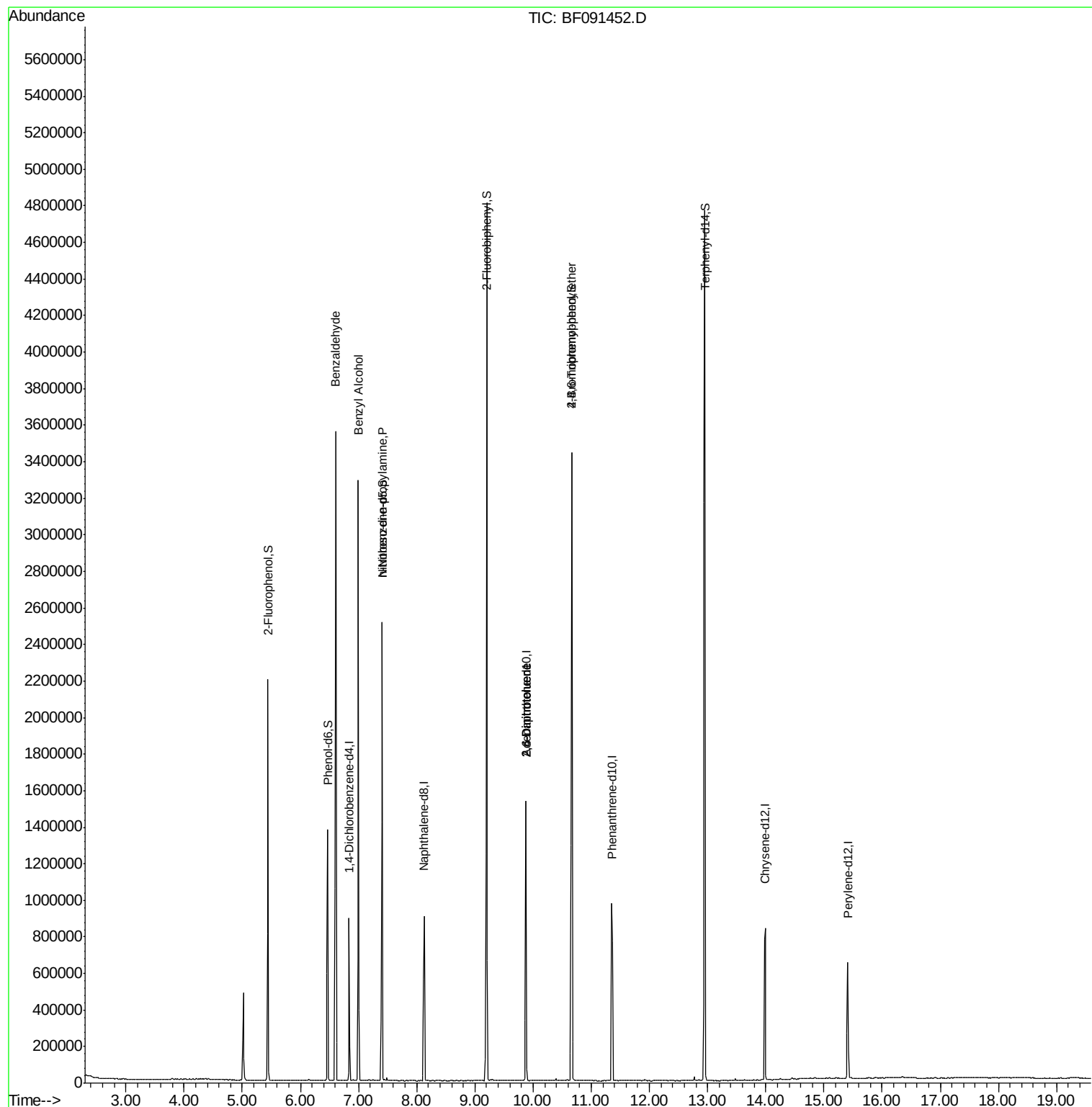
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	121258	20.00	ng	-0.04
21) Naphthalene-d8	8.13	136	505698	20.00	ng	-0.04
38) Acenaphthene-d10	9.88	164	326689	20.00	ng	-0.04
63) Phenanthrene-d10	11.35	188	511503	20.00	ng	-0.05
75) Chrysene-d12	13.99	240	449482	20.00	ng	-0.05
86) Perylene-d12	15.41	264	295067	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	529534	71.34	ng	-0.03
7) Phenol-d6	6.47	99	451089	49.37	ng	-0.03
23) Nitrobenzene-d5	7.41	82	947951	105.05	ng	-0.04
41) 2,4,6-Tribromophenol	10.66	330	417390	134.96	ng	-0.04
44) 2-Fluorobiphenyl	9.20	172	1571644	87.11	ng	-0.04
78) Terphenyl-d14	12.95	244	2016530	97.51	ng	-0.04
Target Compounds						
9) Benzaldehyde	6.61	77	21760	3.70	ng	Qvalue 87
15) Benzyl Alcohol	7.00	79	15129	2.07	ng	# 42
19) n-Nitroso-di-n-propylamine	7.41	70	130617	22.69	ng	# 69
50) 2,6-Dinitrotoluene	9.88	165	42129	9.53	ng	# 16
56) 2,4-Dinitrotoluene	9.88	165	42130	7.35	ng	# 33
66) 4-Bromophenyl-phenylether	10.66	248	28795	5.24	ng	# 1

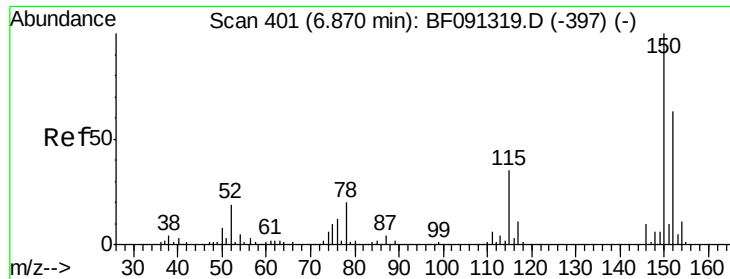
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 398

Delta R.T. -0.04 min

Lab File: BF091452.D

Acq: 6 Dec 2016 12:01

Instrument :

BNA_F

ClientSampleId :

FIELDBLANK

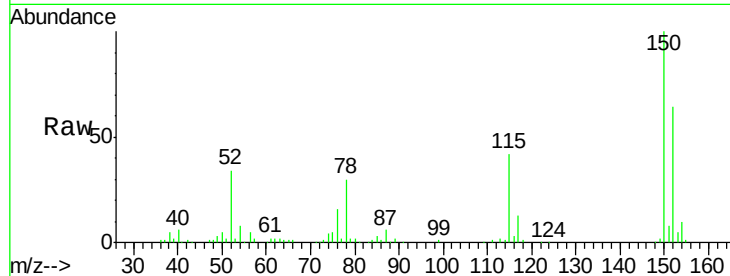
Tgt Ion:152 Resp: 121258

Ion Ratio Lower Upper

152 100

150 156.5 122.5 183.7

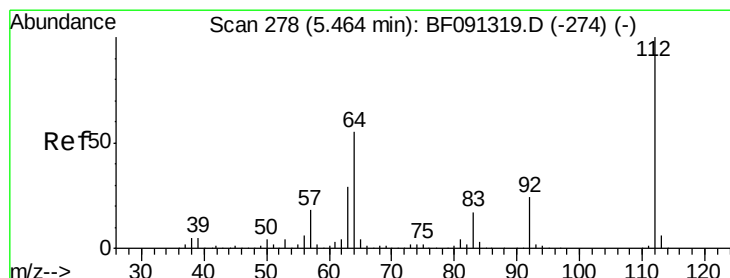
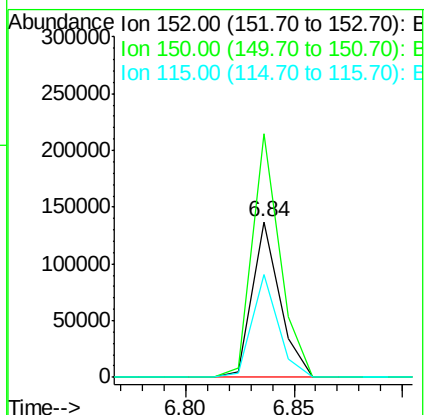
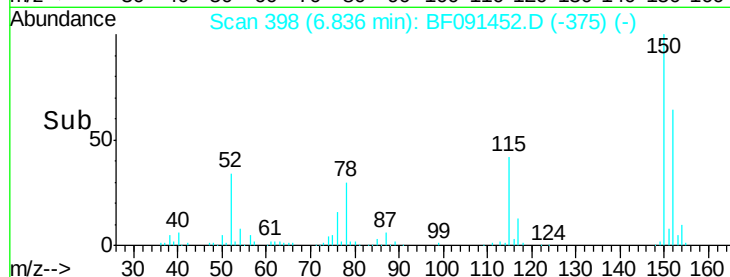
115 66.2 51.8 77.8



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: 71.34 ng

RT: 5.44 min Scan# 276

Delta R.T. -0.03 min

Lab File: BF091452.D

Acq: 6 Dec 2016 12:01

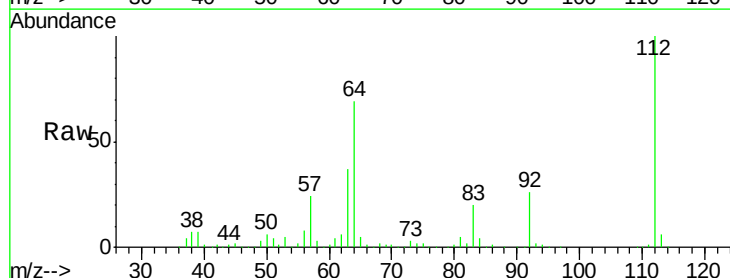
Tgt Ion:112 Resp: 529534

Ion Ratio Lower Upper

112 100

64 69.1 61.5 92.3

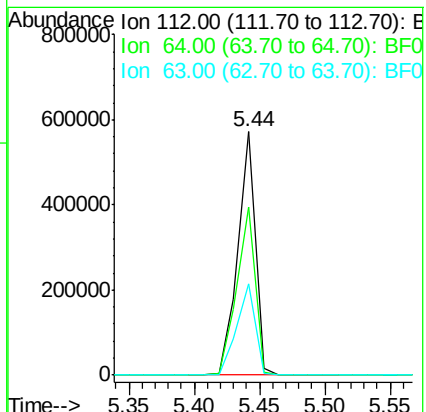
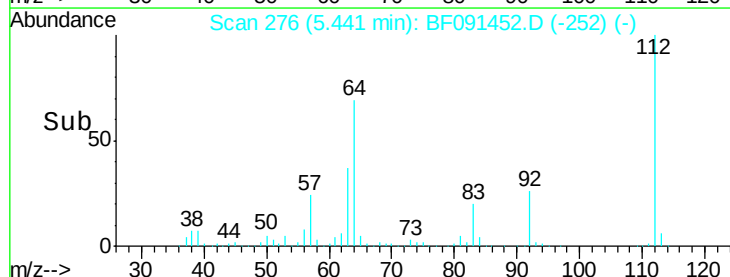
63 37.3 33.3 49.9

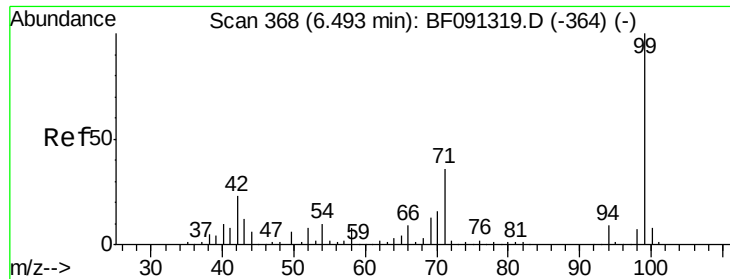


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 49.37 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.03 min

Lab File: BF091452.D

Acq: 6 Dec 2016 12:01

Instrument :

BNA_F

ClientSampleId :

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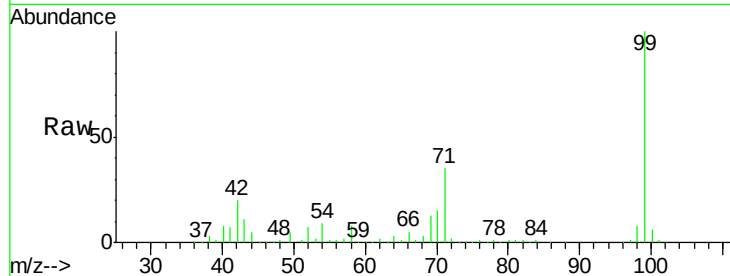
Tgt Ion: 99 Resp: 451089

Ion Ratio Lower Upper

99 100

42 20.4 20.6 31.0#

71 35.1 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

6.47

400000

300000

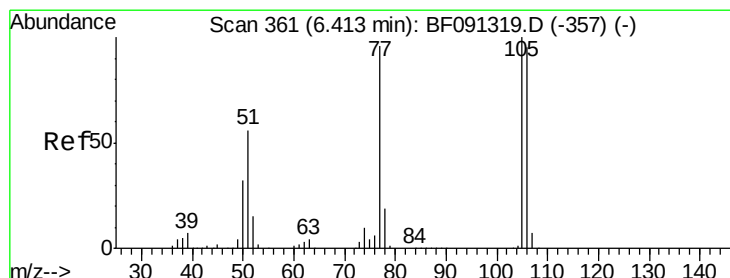
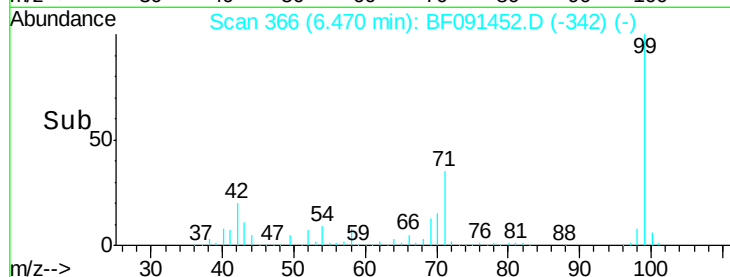
200000

100000

0

6.40 6.45 6.50 6.55

Time-->



#9

Benzaldehyde

Concen: 3.70 ng

RT: 6.61 min Scan# 378

Delta R.T. 0.19 min

Lab File: BF091452.D

Acq: 6 Dec 2016 12:01

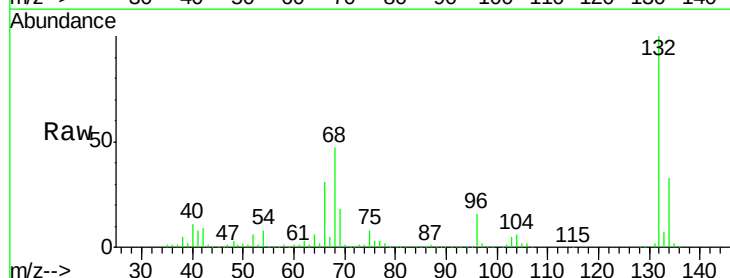
Tgt Ion: 77 Resp: 21760

Ion Ratio Lower Upper

77 100

105 75.9 66.4 106.4

106 68.4 60.9 100.9



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

6.61

30000

25000

20000

15000

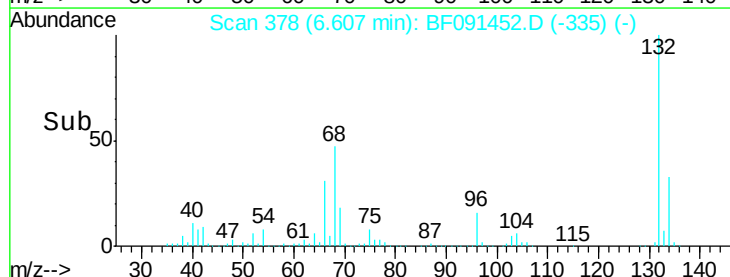
10000

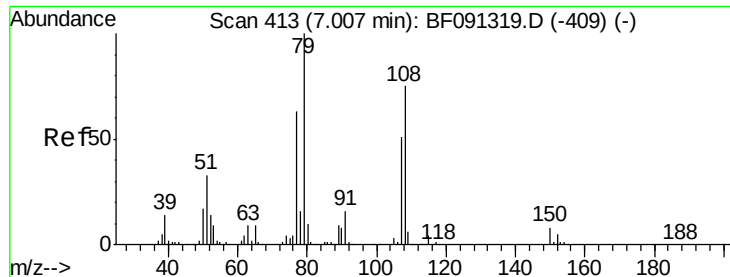
5000

0

6.55 6.60 6.65

Time-->





#15

Benzyl Alcohol

Concen: 2.07 ng

RT: 7.00 min Scan# 412

Delta R.T. -0.03 min

Lab File: BF091452.D

Acq: 6 Dec 2016 12:01

Instrument :

BNA_F

ClientSampleId :

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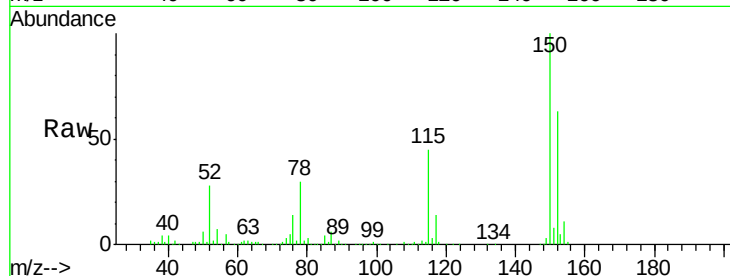
Tgt Ion: 79 Resp: 15129

Ion Ratio Lower Upper

79 100

108 24.9 62.7 94.1#

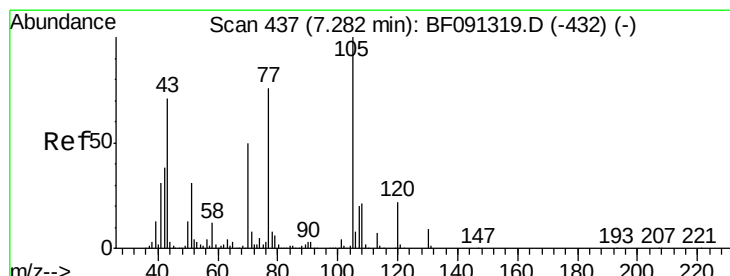
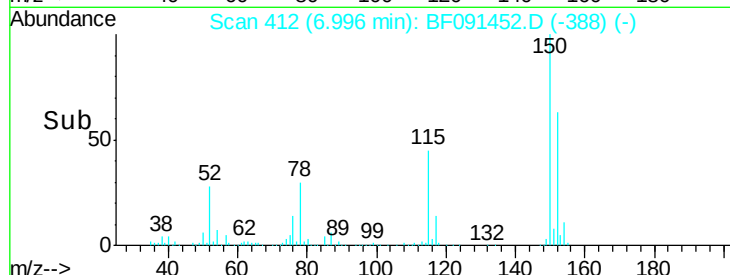
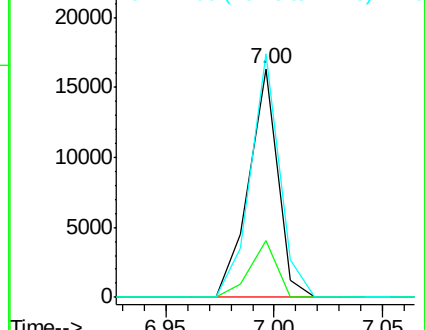
77 106.5 51.7 77.5#



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: 22.69 ng

RT: 7.41 min Scan# 448

Delta R.T. 0.11 min

Lab File: BF091452.D

Acq: 6 Dec 2016 12:01

Tgt Ion: 70 Resp: 130617

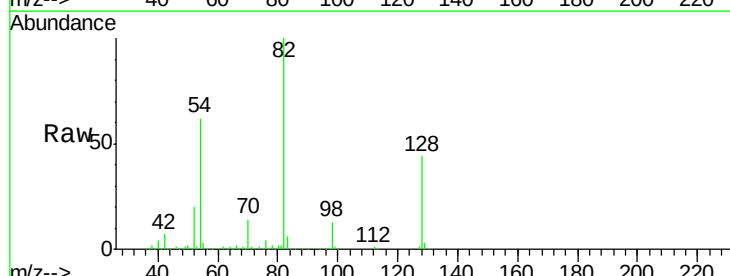
Ion Ratio Lower Upper

70 100

42 52.3 64.8 97.2#

101 0.0 6.2 9.4#

130 2.2 11.7 17.5#

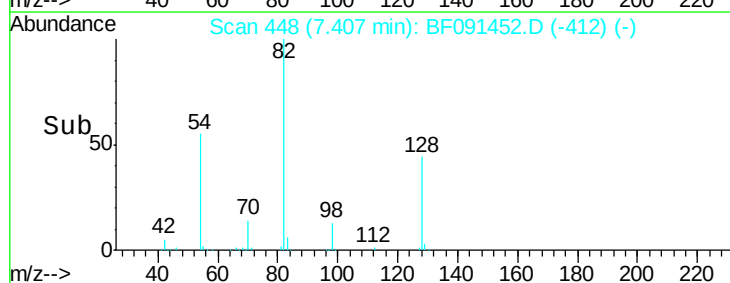
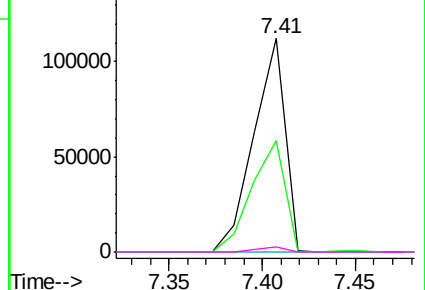


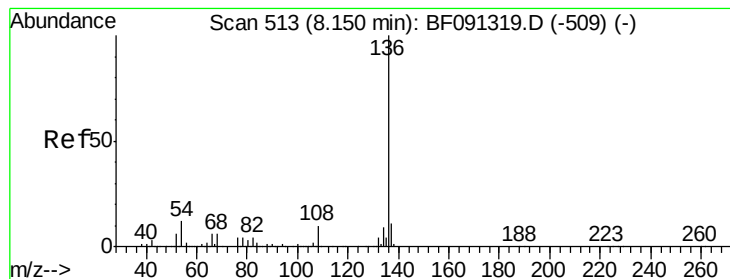
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.13 min Scan# 511

Delta R.T. -0.04 min

Lab File: BF091452.D

Acq: 6 Dec 2016 12:01

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 136 Resp: 505698

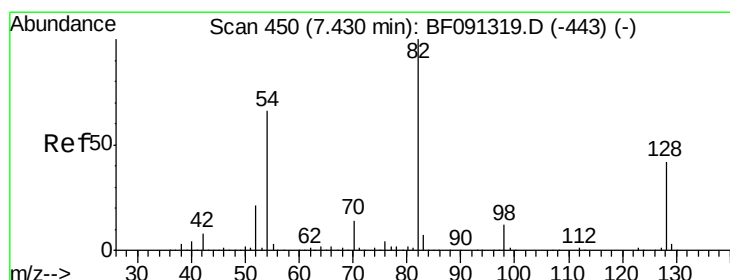
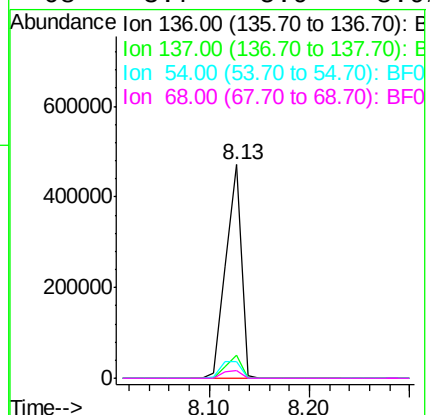
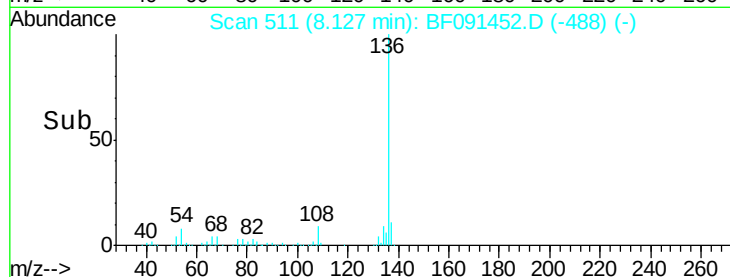
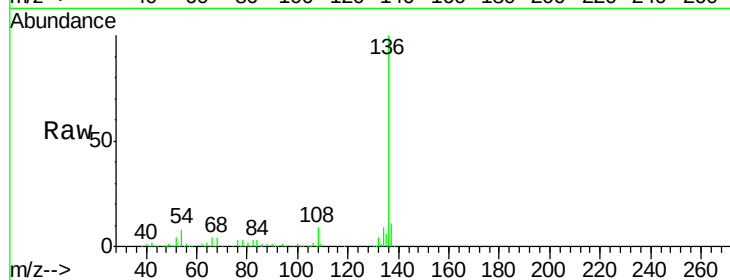
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 7.8 9.1 13.7#

68 3.7 5.9 8.9#



#23

Nitrobenzene-d5

Concen: 105.05 ng

RT: 7.41 min Scan# 448

Delta R.T. -0.04 min

Lab File: BF091452.D

Acq: 6 Dec 2016 12:01

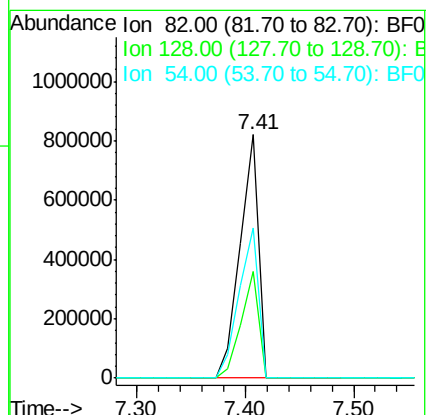
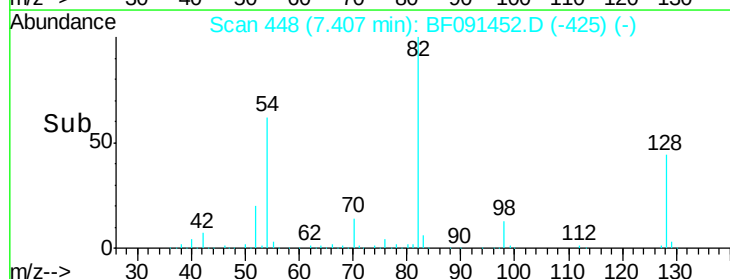
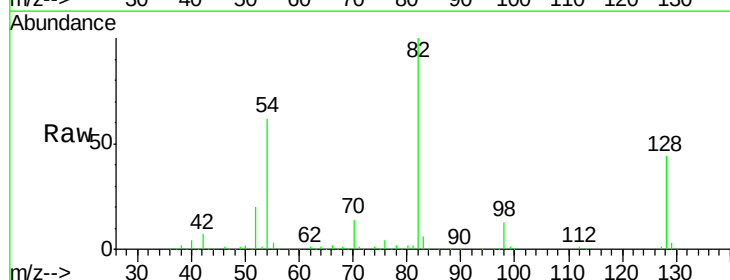
Tgt Ion: 82 Resp: 947951

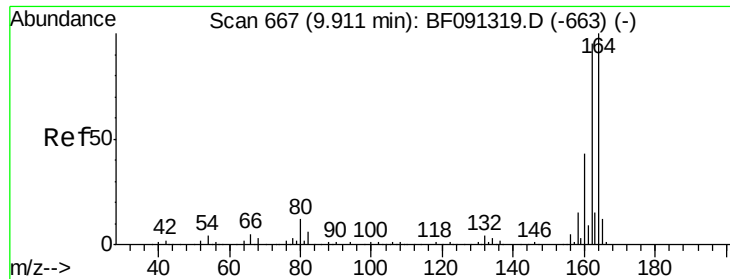
Ion Ratio Lower Upper

82 100

128 43.8 31.8 47.6

54 61.8 49.1 73.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 664

Delta R.T. -0.04 min

Lab File: BF091452.D

Acq: 6 Dec 2016 12:01

Instrument :

BNA_F

ClientSampleId :

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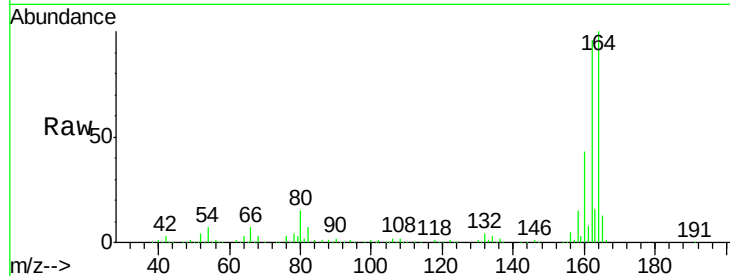
Tgt Ion:164 Resp: 326689

Ion Ratio Lower Upper

164 100

162 96.5 82.6 124.0

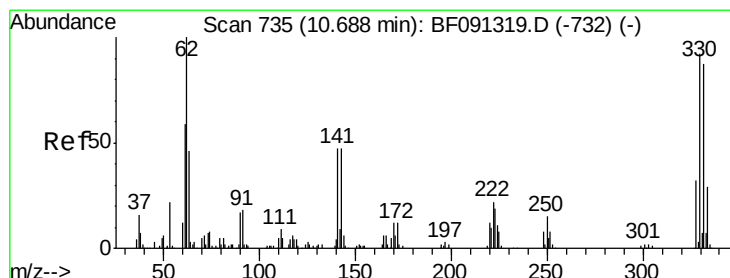
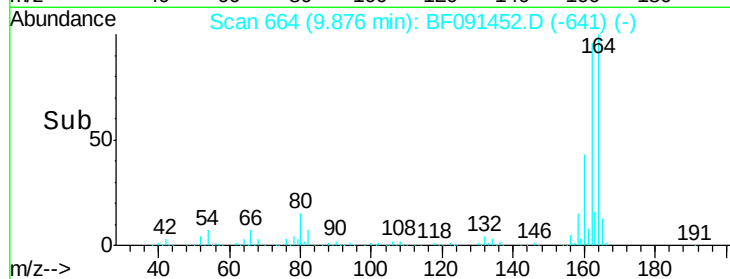
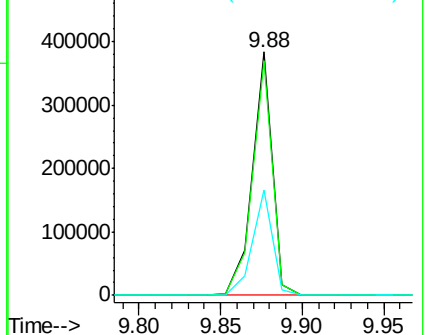
160 43.2 36.7 55.1



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: 134.96 ng

RT: 10.66 min Scan# 733

Delta R.T. -0.04 min

Lab File: BF091452.D

Acq: 6 Dec 2016 12:01

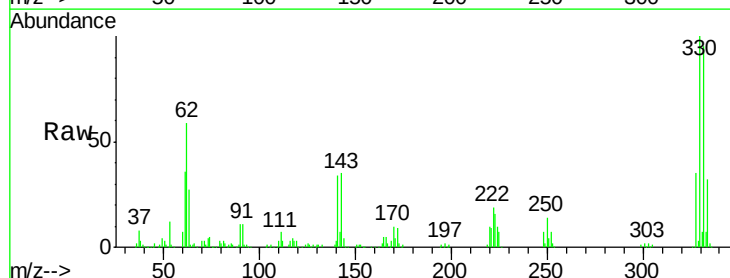
Tgt Ion:330 Resp: 417390

Ion Ratio Lower Upper

330 100

332 96.0 76.2 114.4

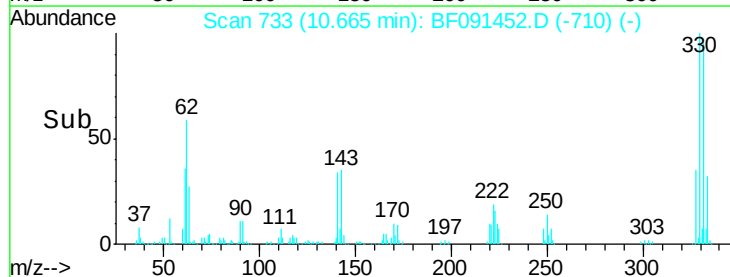
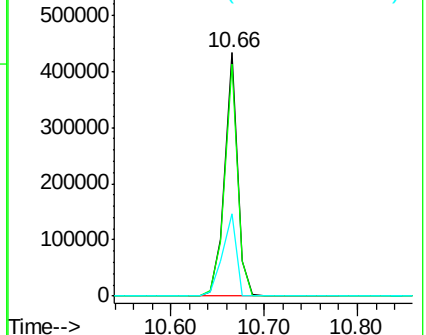
141 35.9 33.6 50.4

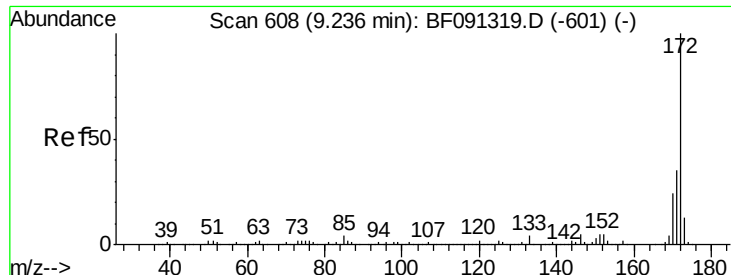


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

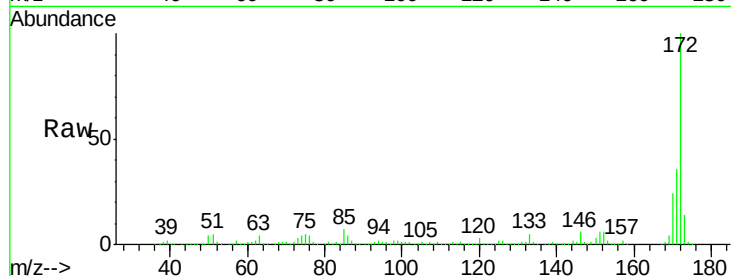




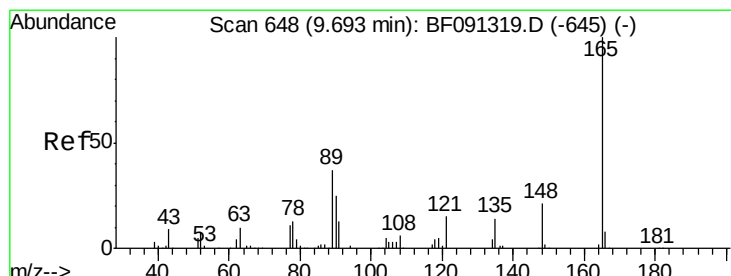
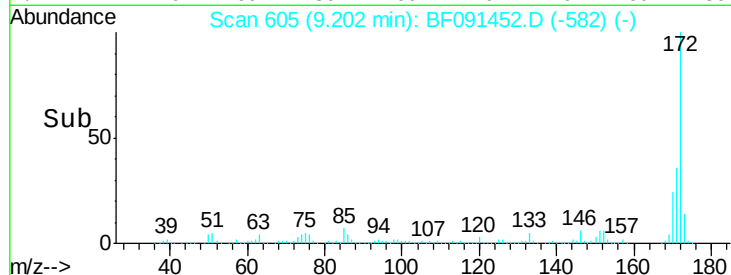
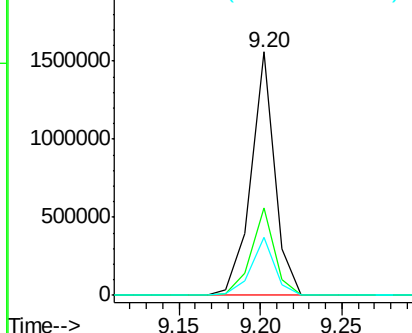
#44
 2-Fluorobiphenyl
 Concen: 87.11 ng
 RT: 9.20 min Scan# 605
 Delta R.T. -0.04 min
 Lab File: BF091452.D
 Acq: 6 Dec 2016 12:01

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:172 Resp: 1571644
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.0
 170 23.9 19.7 29.5

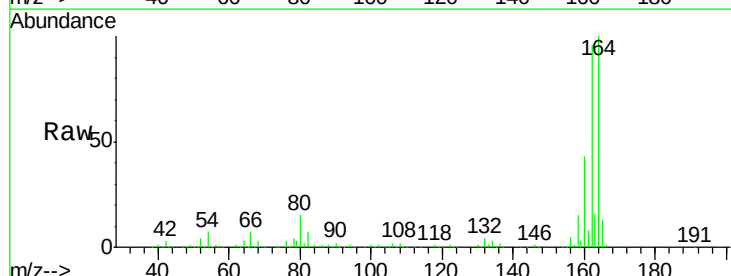


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

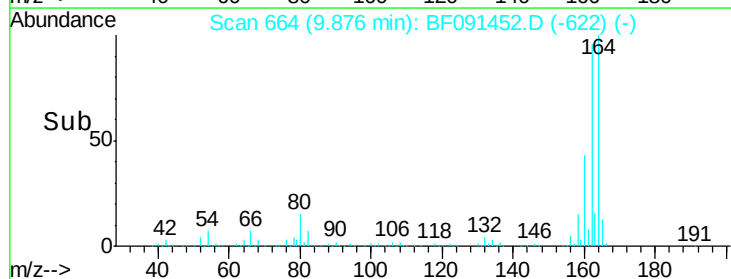
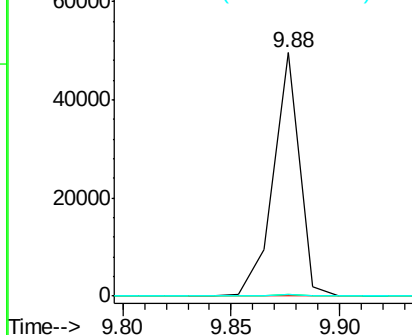


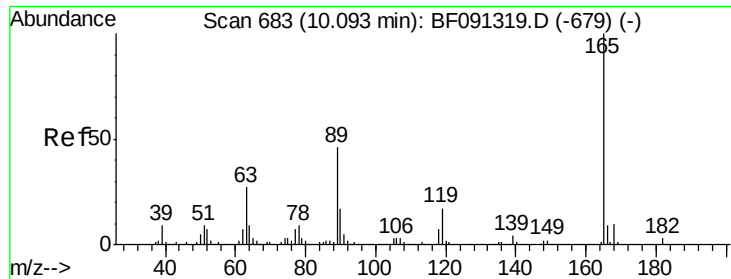
#50
 2,6-Dinitrotoluene
 Concen: 9.53 ng
 RT: 9.88 min Scan# 664
 Delta R.T. 0.18 min
 Lab File: BF091452.D
 Acq: 6 Dec 2016 12:01

Tgt Ion:165 Resp: 42129
 Ion Ratio Lower Upper
 165 100
 63 0.9 59.4 89.0#
 89 0.8 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

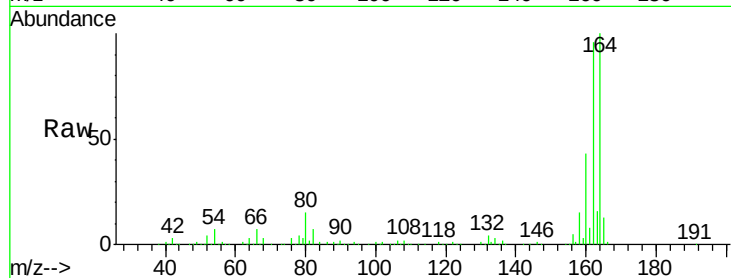




#56
 2,4-Dinitrotoluene
 Concen: 7.35 ng
 RT: 9.88 min Scan# 664
 Delta R.T. -0.22 min
 Lab File: BF091452.D
 Acq: 6 Dec 2016 12:01

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:	165	Resp:	42130
Ion	Ratio	Lower	Upper
165	100		
63	0.9	29.0	43.4#
89	0.8	43.1	64.7#
182	0.0	1.9	2.9#

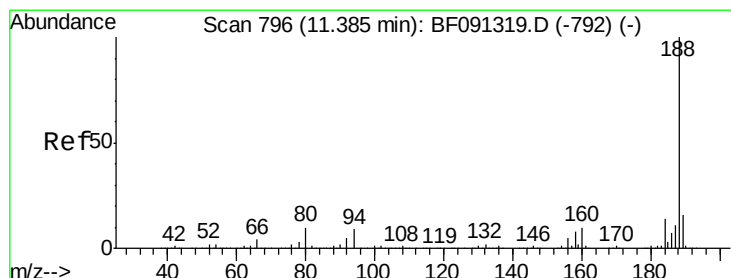
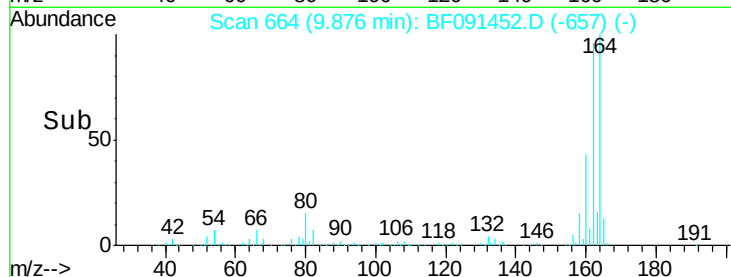
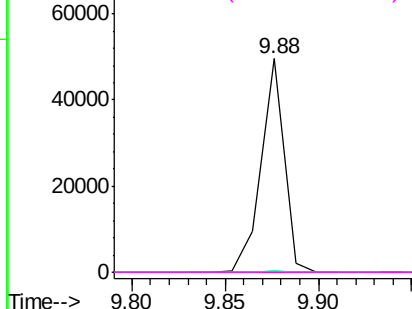


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

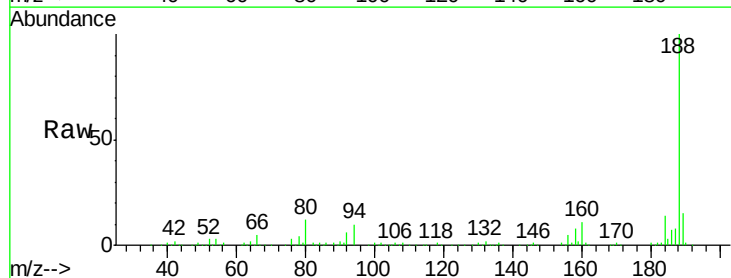
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.35 min Scan# 793
 Delta R.T. -0.05 min
 Lab File: BF091452.D
 Acq: 6 Dec 2016 12:01

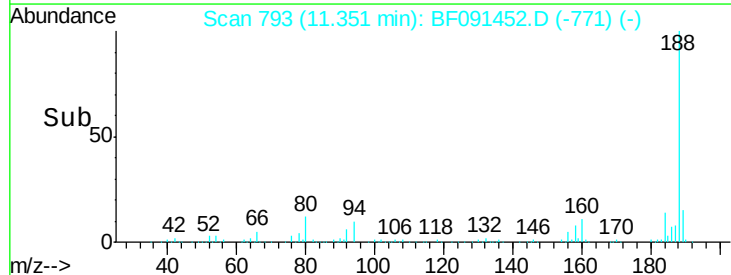
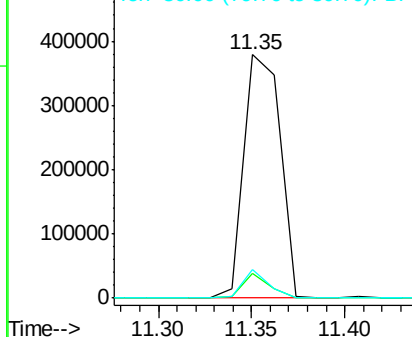
Tgt Ion:	188	Resp:	511503
Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.2	13.8
80	11.7	10.5	15.7

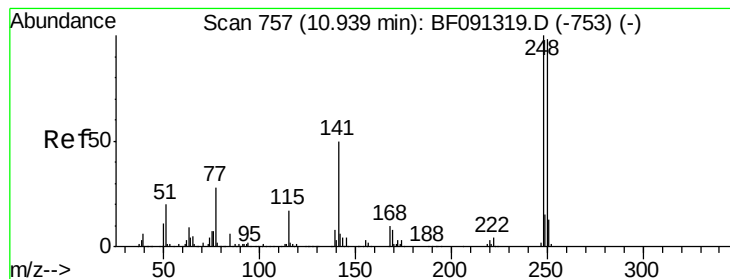


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 5.24 ng

RT: 10.66 min Scan# 733

Delta R.T. -0.29 min

Lab File: BF091452.D

Acq: 6 Dec 2016 12:01

Instrument :

BNA_F

ClientSampleId :

FIELDBLANK

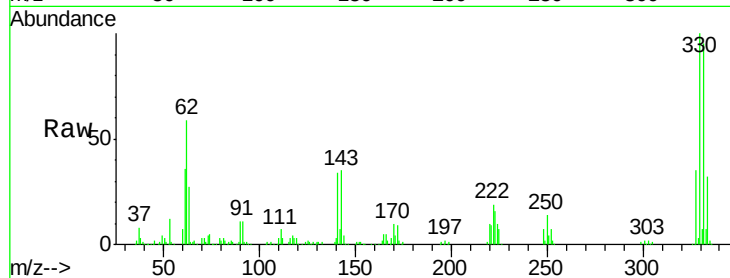
Tgt Ion:248 Resp: 28795

Ion Ratio Lower Upper

248 100

250 195.8 78.2 117.4#

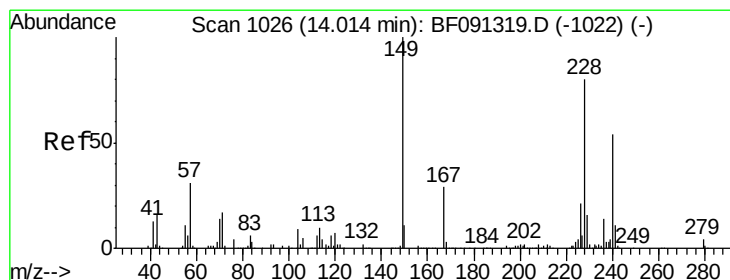
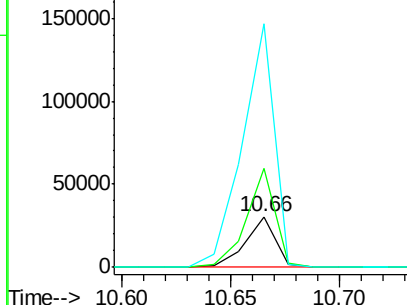
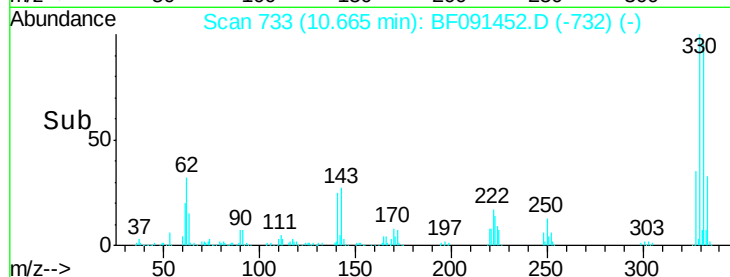
141 483.1 71.9 107.9#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1024

Delta R.T. -0.05 min

Lab File: BF091452.D

Acq: 6 Dec 2016 12:01

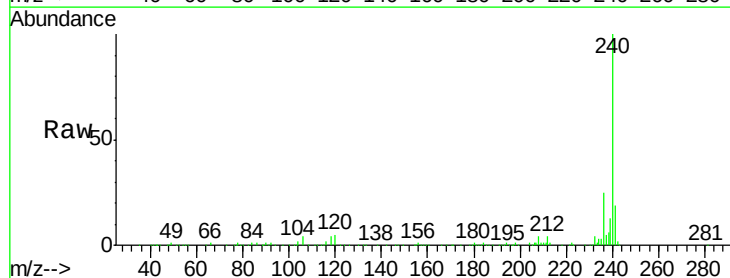
Tgt Ion:240 Resp: 449482

Ion Ratio Lower Upper

240 100

120 5.1 12.1 18.1#

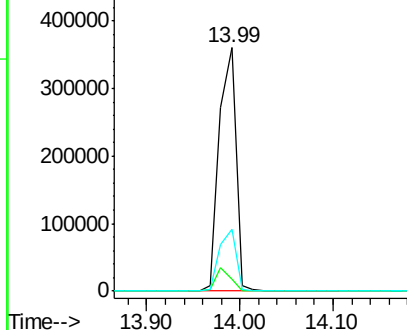
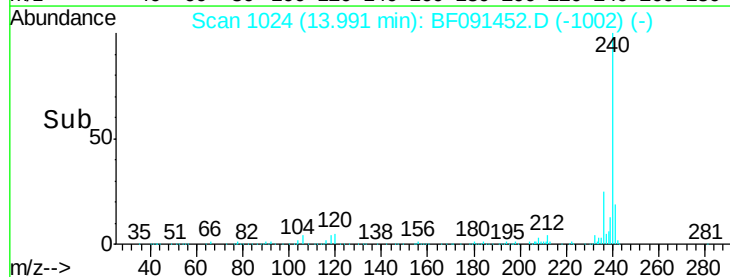
236 25.2 21.0 31.6

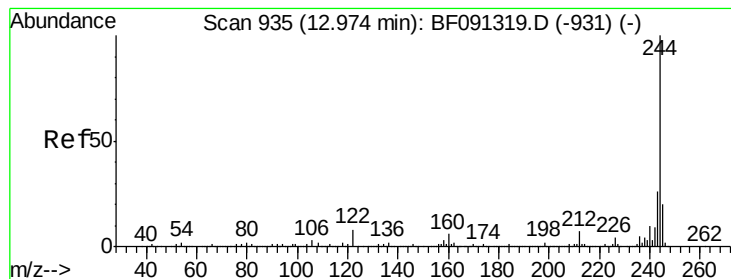


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 97.51 ng

RT: 12.95 min Scan# 933

Delta R.T. -0.04 min

Lab File: BF091452.D

Acq: 6 Dec 2016 12:01

Instrument :

BNA_F

ClientSampleId :

FIELDBLANK

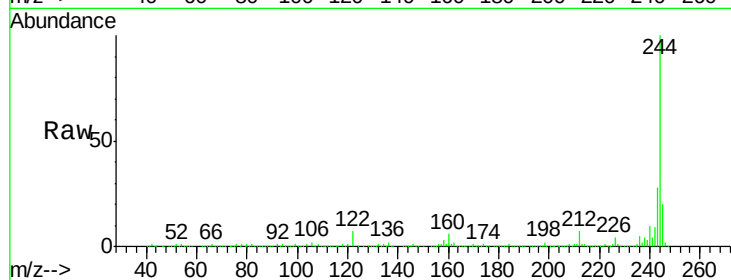
Tgt Ion:244 Resp: 2016530

Ion Ratio Lower Upper

244 100

212 7.0 6.5 9.7

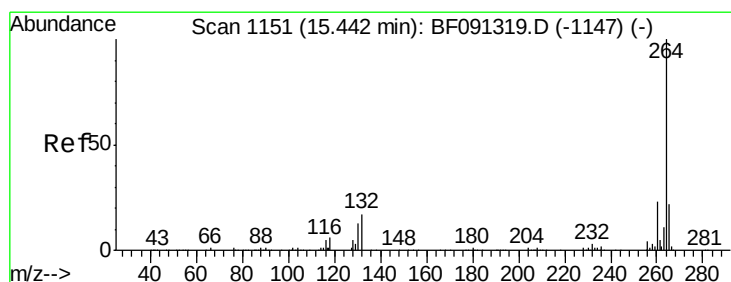
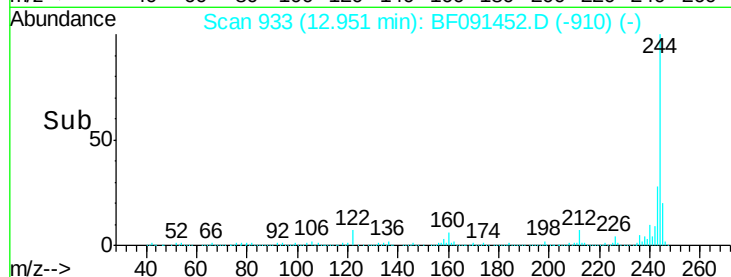
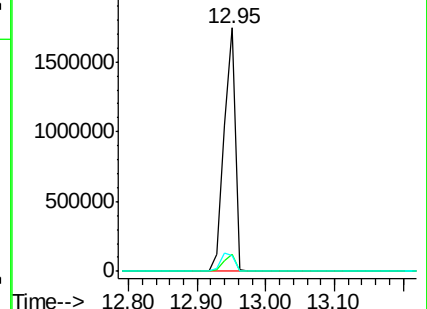
122 6.7 9.5 14.3#



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: 15.41 min Scan# 1148

Delta R.T. -0.06 min

Lab File: BF091452.D

Acq: 6 Dec 2016 12:01

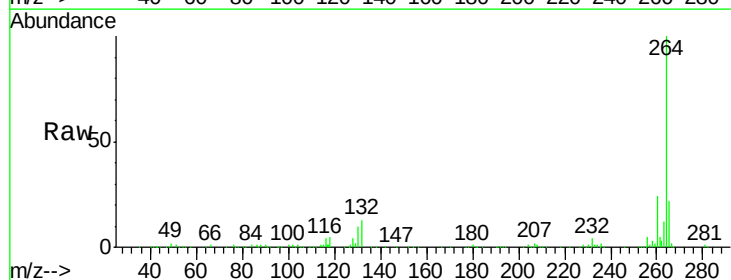
Tgt Ion:264 Resp: 295067

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 22.1 17.0 25.6



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

