

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121716\
 Data File : BF091731.D
 Acq On : 18 Dec 2016 4:55
 Operator : UM/SJ
 Sample : H6101-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-A-121316

Quant Time: Dec 19 00:14:30 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

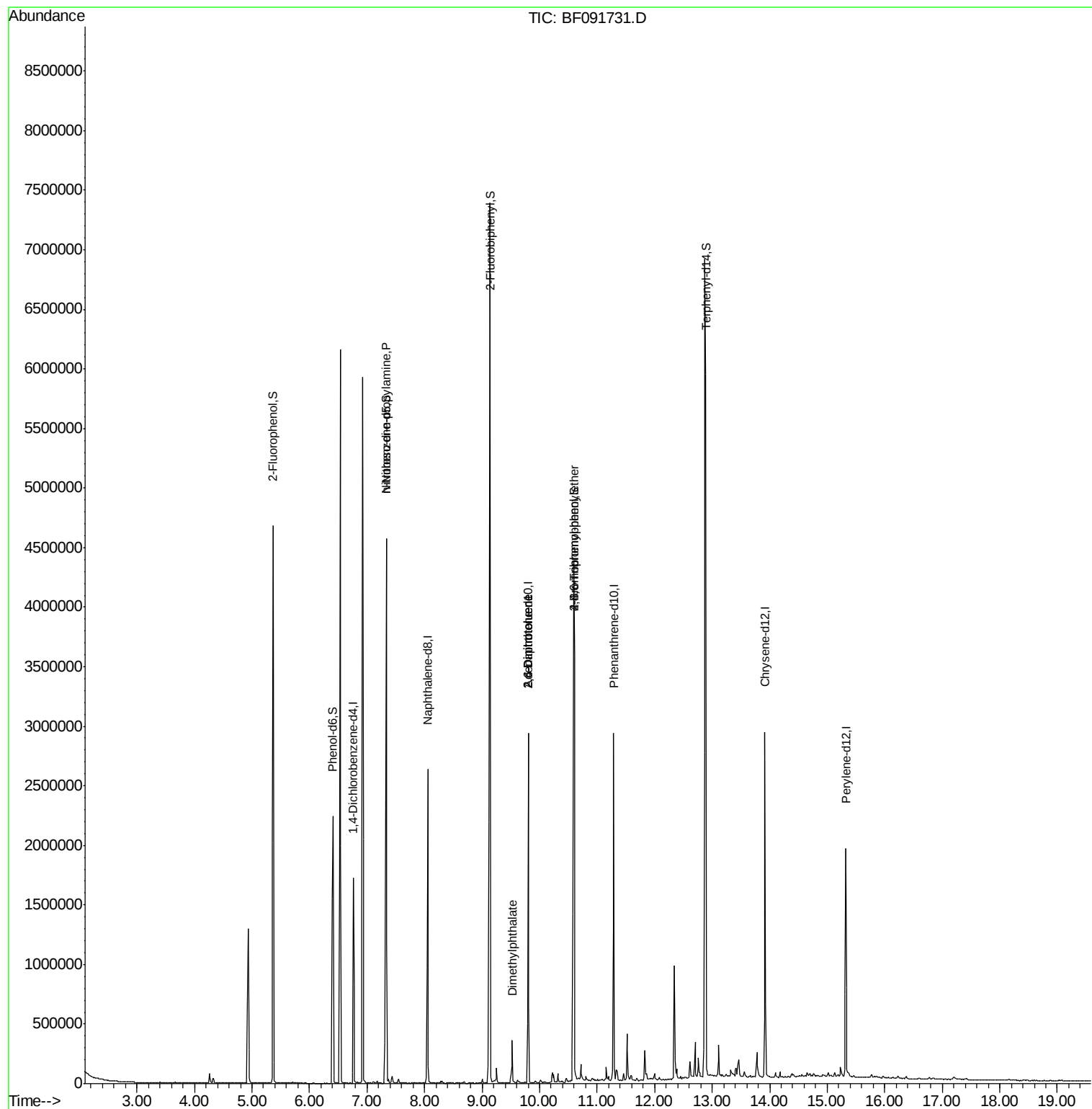
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	301591	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	1301046	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	660663	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	1180958	20.00	ng	0.00
75) Chrysene-d12	13.92	240	971237	20.00	ng	-0.01
86) Perylene-d12	15.32	264	878077	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1375762	76.43	ng	0.00
7) Phenol-d6	6.41	99	1001203	45.60	ng	-0.01
23) Nitrobenzene-d5	7.33	82	2031441	90.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	881348	157.32	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	3671455	111.65	ng	0.00
78) Terphenyl-d14	12.89	244	3577197	93.00	ng	0.01
Target Compounds						
9) Benzaldehyde	6.41	77	1630	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.33	70	269812	18.48 ng	#	78
49) Dimethylphthalate	9.53	163	166892	3.87 ng	#	99
50) 2,6-Dinitrotoluene	9.80	165	87621	9.26 ng	#	30
56) 2,4-Dinitrotoluene	9.80	165	87626	7.41 ng	#	19
66) 4-Bromophenyl-phenylether	10.60	248	55129	4.45 ng	#	1

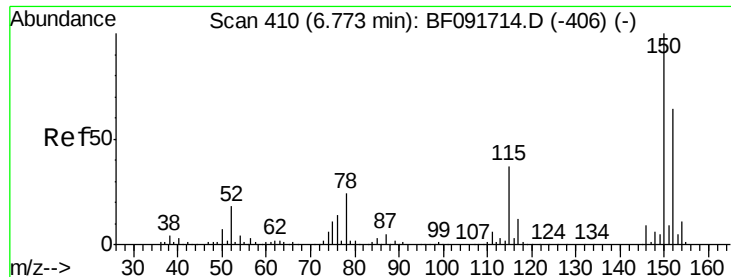
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Dec 17 22:53:54 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF091731.D

Acq: 18 Dec 2016 4:55

Instrument :

BNA_F

ClientSampleId :

DUP-A-121316

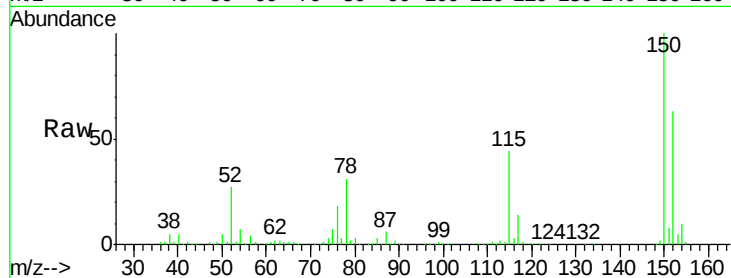
Tgt Ion:152 Resp: 301591

Ion Ratio Lower Upper

152 100

150 158.4 124.9 187.3

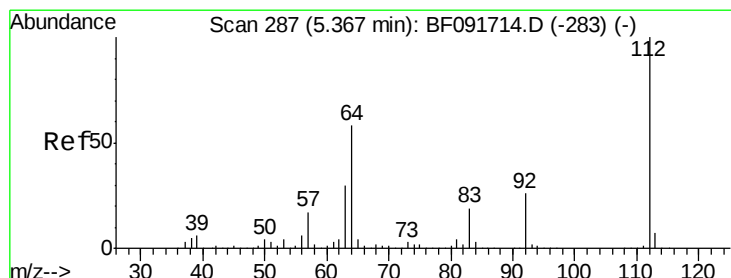
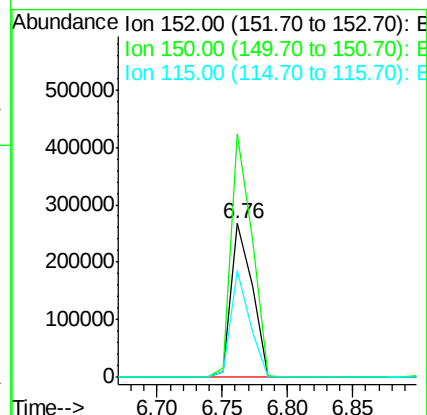
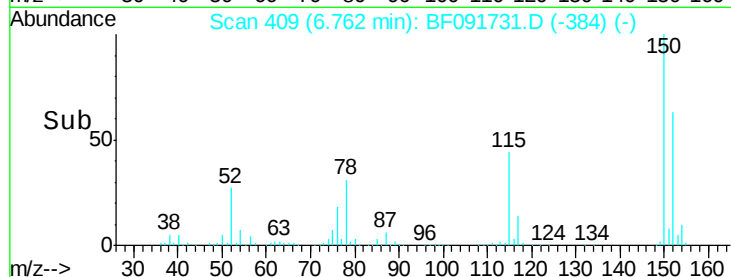
115 69.2 46.0 69.0#



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: 76.43 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.00 min

Lab File: BF091731.D

Acq: 18 Dec 2016 4:55

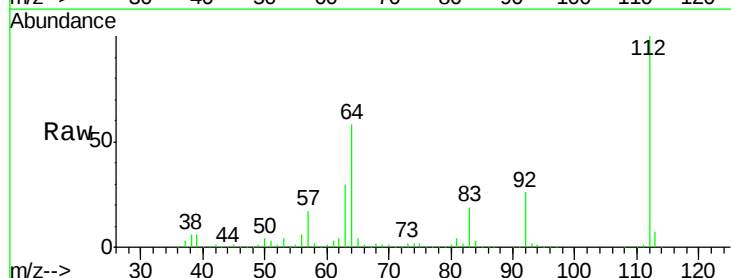
Tgt Ion:112 Resp: 1375762

Ion Ratio Lower Upper

112 100

64 58.3 46.1 69.1

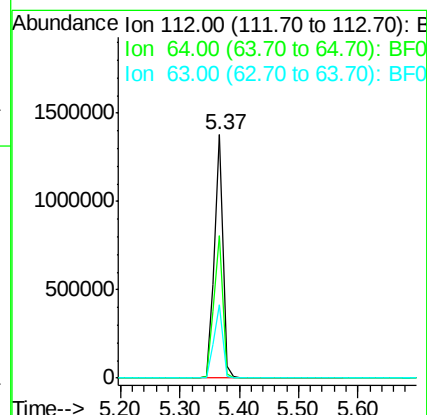
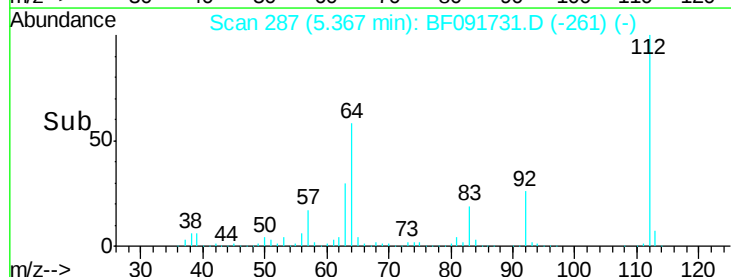
63 29.9 23.8 35.6

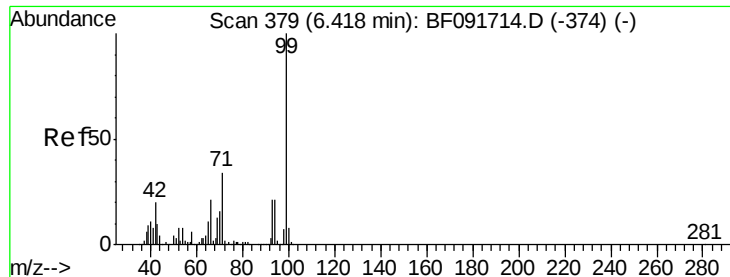


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 45.60 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF091731.D

Acq: 18 Dec 2016 4:55

Instrument :

BNA_F

ClientSampleId :

DUP-A-121316

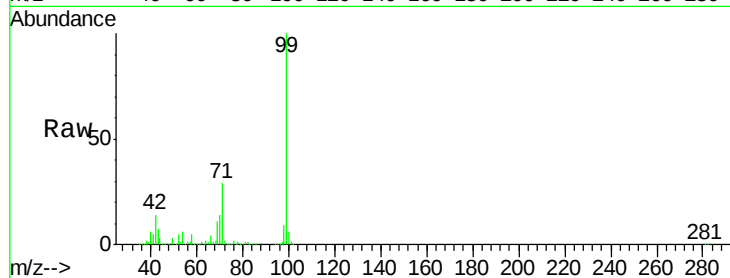
Tgt Ion: 99 Resp: 1001203

Ion Ratio Lower Upper

99 100

42 14.0 15.6 23.4#

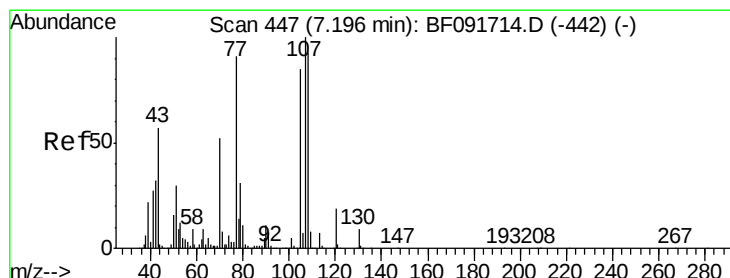
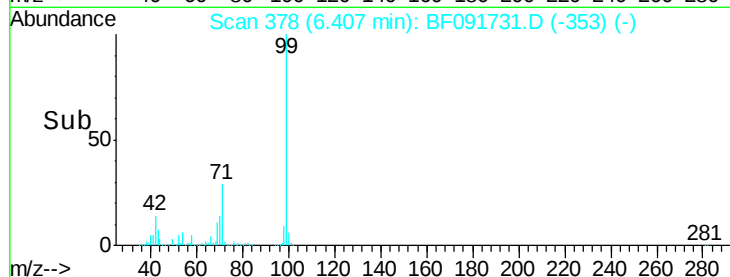
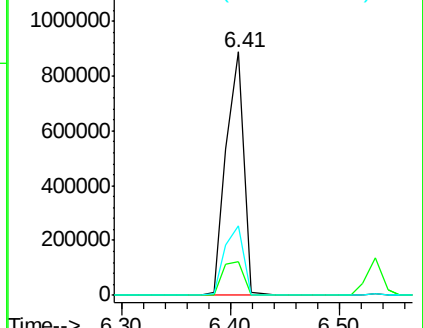
71 28.6 27.5 41.3



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: 18.48 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.14 min

Lab File: BF091731.D

Acq: 18 Dec 2016 4:55

Tgt Ion: 70 Resp: 269812

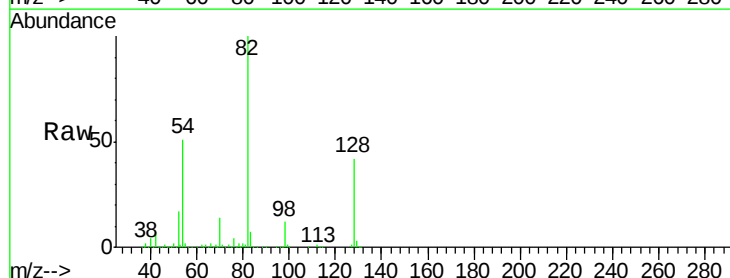
Ion Ratio Lower Upper

70 100

42 48.2 49.4 74.0#

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#

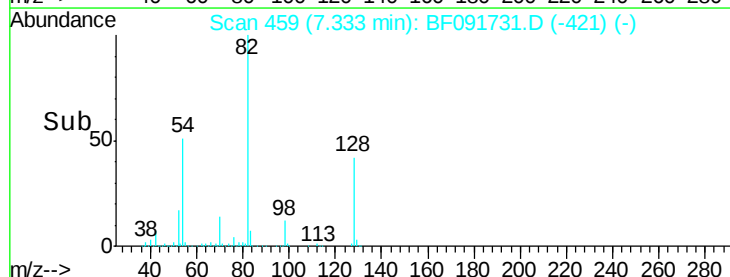
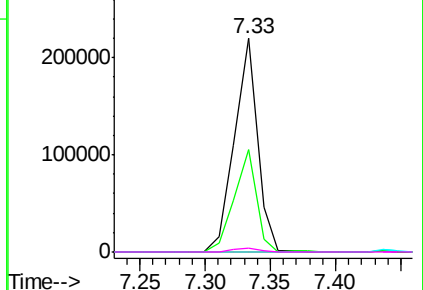


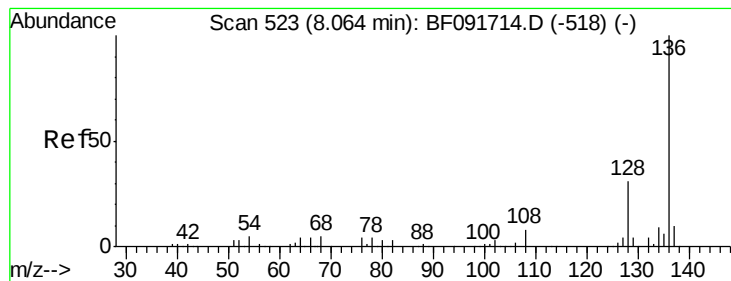
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF091731.D

Acq: 18 Dec 2016 4:55

Instrument :

BNA_F

ClientSampleId :

DUP-A-121316

Tgt Ion:136 Resp: 1301046

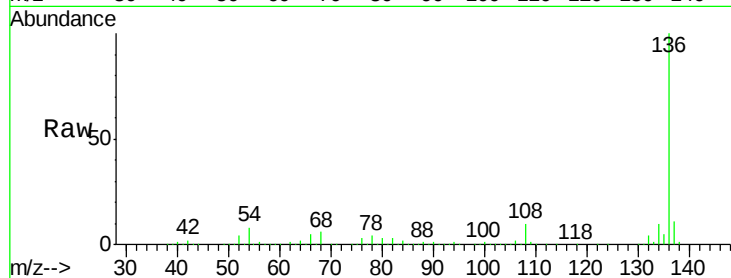
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 7.6 4.5 6.7#

68 5.9 3.6 5.4#

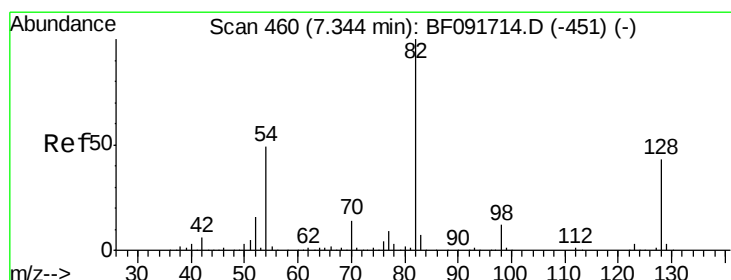
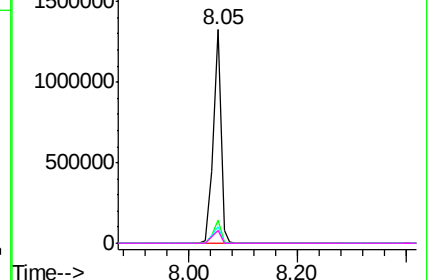
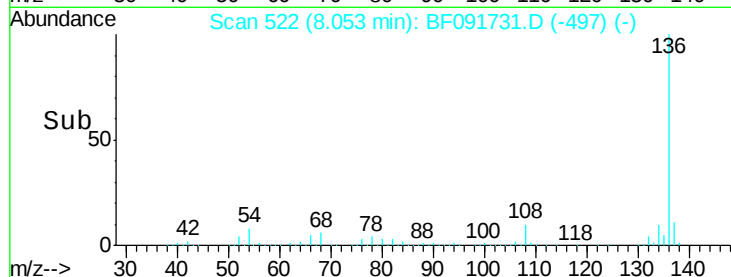


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.04 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.01 min

Lab File: BF091731.D

Acq: 18 Dec 2016 4:55

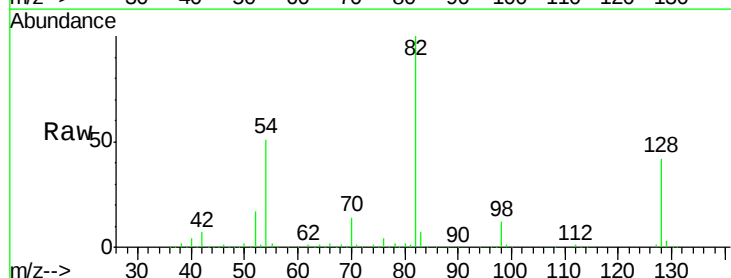
Tgt Ion: 82 Resp: 2031441

Ion Ratio Lower Upper

82 100

128 42.0 34.6 52.0

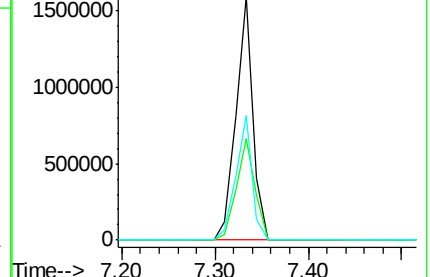
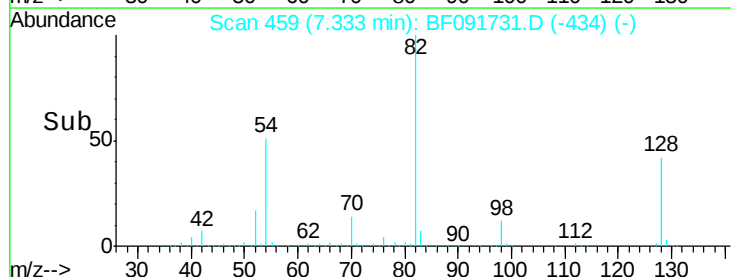
54 51.3 39.5 59.3

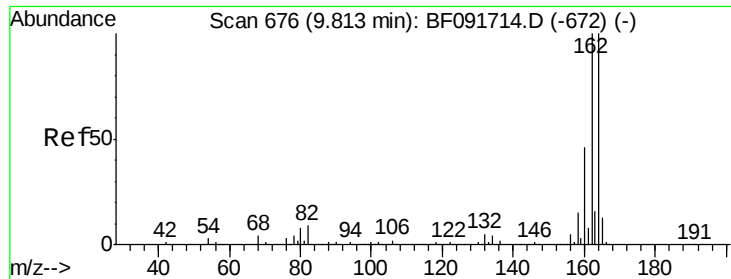


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF091731.D

Acq: 18 Dec 2016 4:55

Instrument :

BNA_F

ClientSampleId :

DUP-A-121316

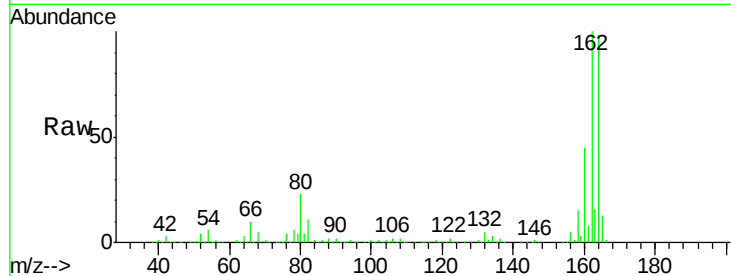
Tgt Ion:164 Resp: 660663

Ion Ratio Lower Upper

164 100

162 101.7 80.2 120.2

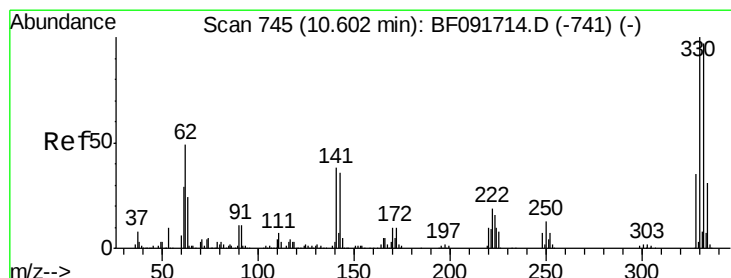
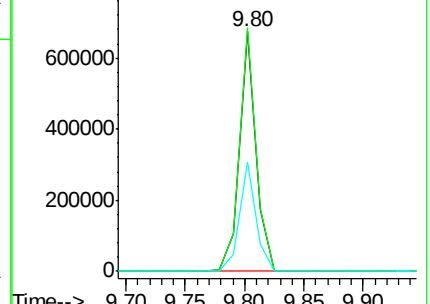
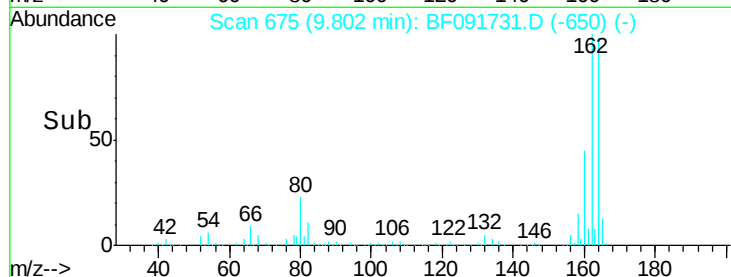
160 45.6 36.9 55.3



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: 157.32 ng

RT: 10.60 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF091731.D

Acq: 18 Dec 2016 4:55

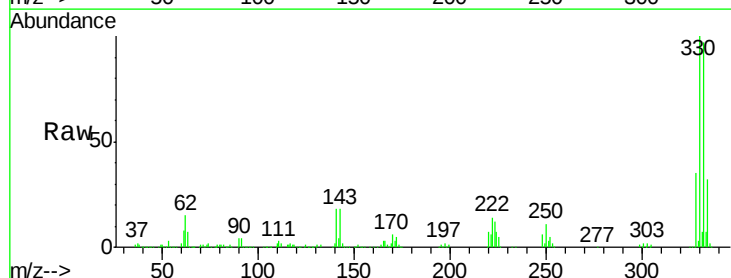
Tgt Ion:330 Resp: 881348

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.2

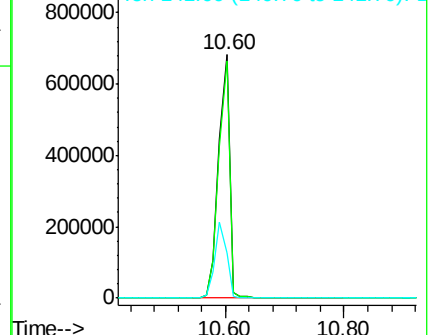
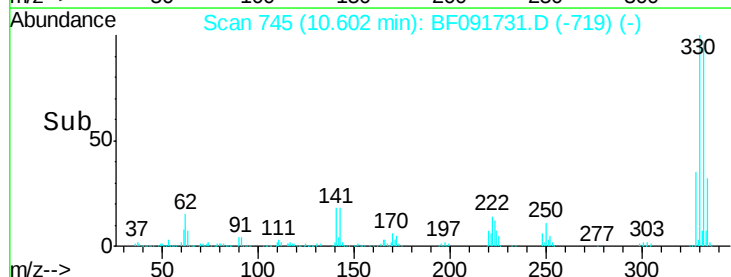
141 33.4 34.1 51.1#

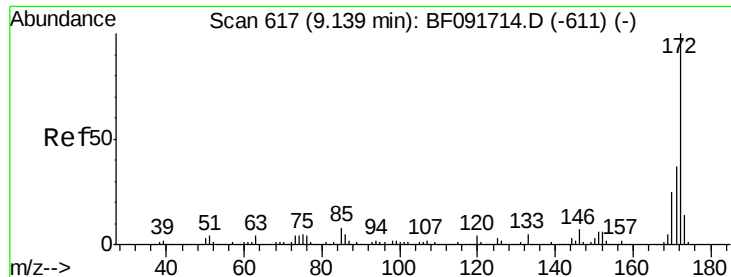


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

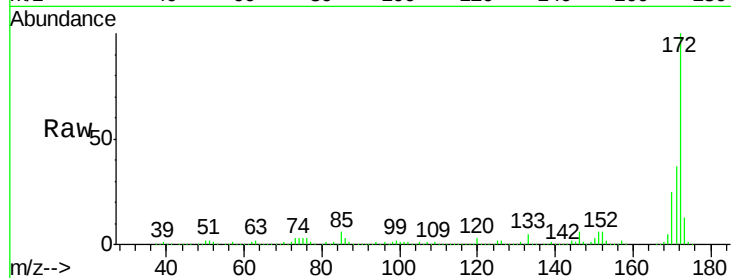




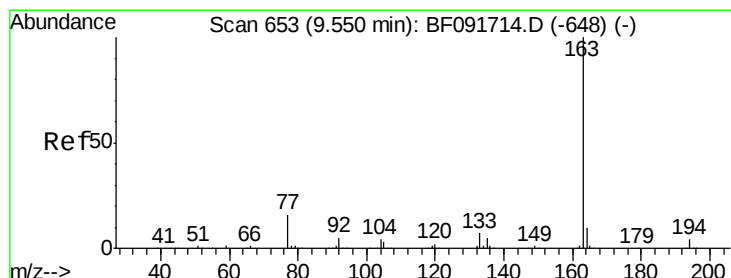
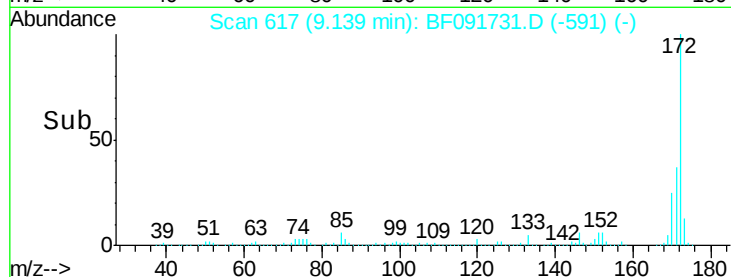
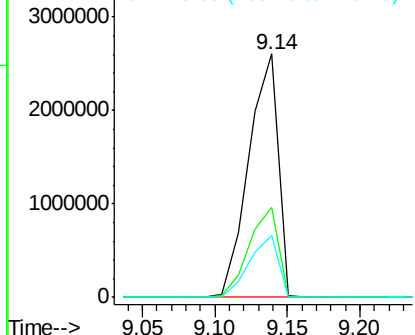
#44
 2-Fluorobiphenyl
 Concen: 111.65 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: BF091731.D
 Acq: 18 Dec 2016 4:55

Instrument :
 BNA_F
 ClientSampleId :
 DUP-A-121316

Tgt Ion:172 Resp: 3671455
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.4 44.0
 170 25.2 20.2 30.4

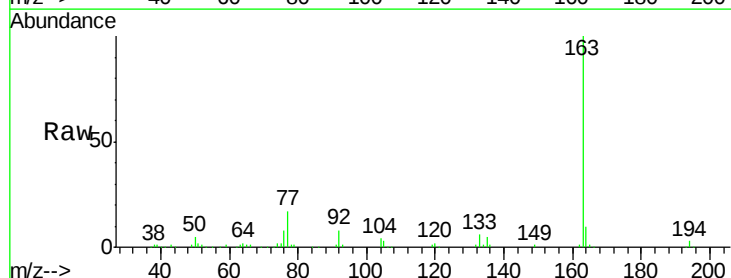


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

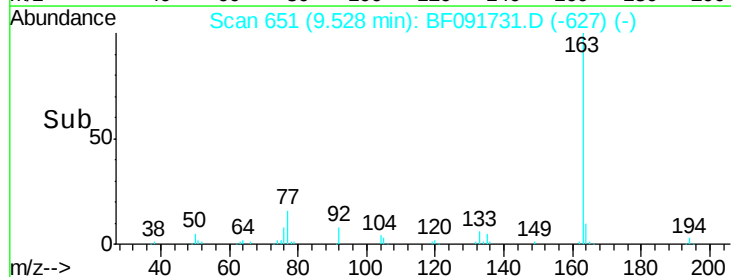
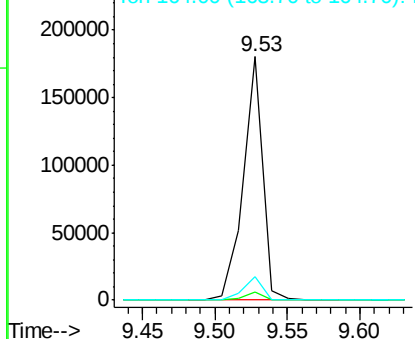


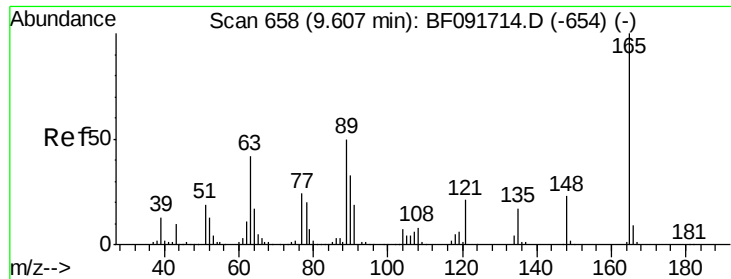
#49
 Dimethylphthalate
 Concen: 3.87 ng
 RT: 9.53 min Scan# 651
 Delta R.T. -0.02 min
 Lab File: BF091731.D
 Acq: 18 Dec 2016 4:55

Tgt Ion:163 Resp: 166892
 Ion Ratio Lower Upper
 163 100
 194 3.4 3.0 4.4
 164 9.7 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





#50

2,6-Dinitrotoluene

Concen: 9.26 ng

RT: 9.80 min Scan# 675

Delta R.T. 0.19 min

Lab File: BF091731.D

Acq: 18 Dec 2016 4:55

Instrument :

BNA_F

ClientSampleId :

DUP-A-121316

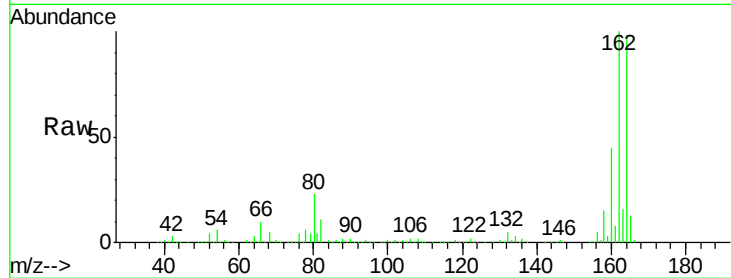
Tgt Ion:165 Resp: 87621

Ion Ratio Lower Upper

165 100

63 0.9 36.2 54.4#

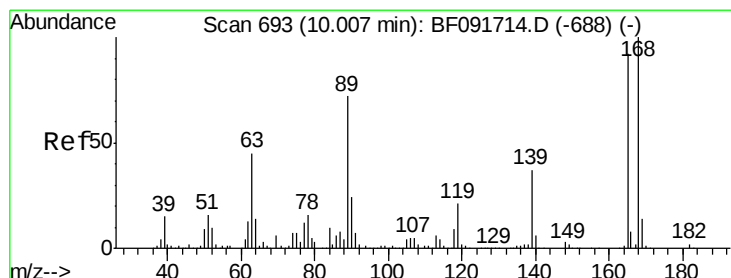
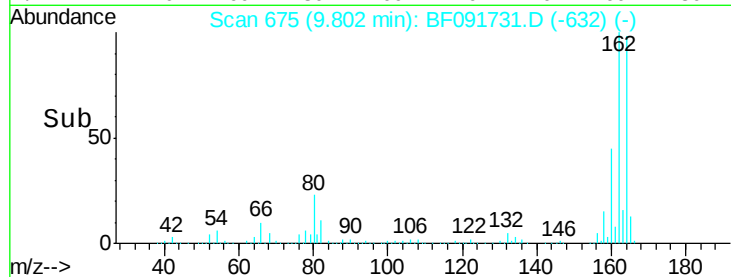
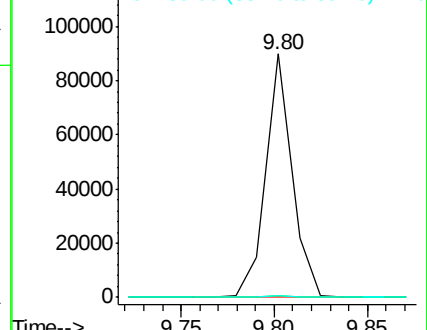
89 0.9 40.2 60.4#



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: 7.41 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.21 min

Lab File: BF091731.D

Acq: 18 Dec 2016 4:55

Tgt Ion:165 Resp: 87626

Ion Ratio Lower Upper

165 100

63 0.9 40.2 60.4#

89 0.9 62.5 93.7#

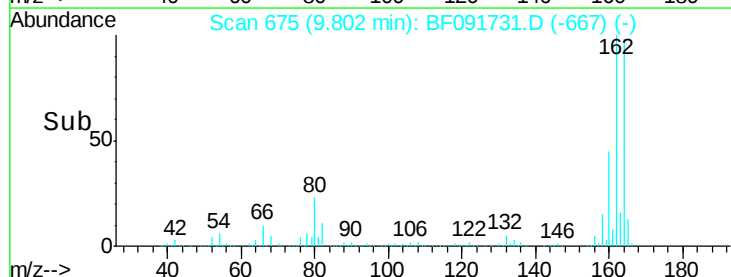
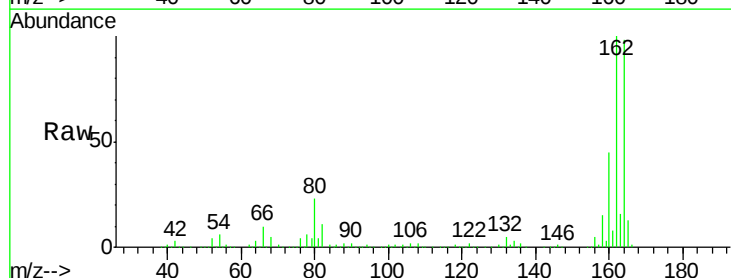
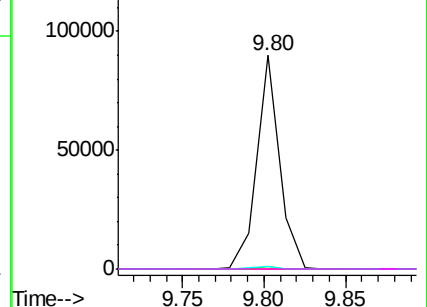
182 0.0 1.8 2.8#

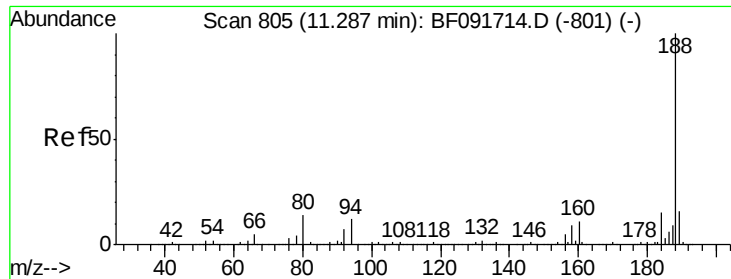
Abundance Ion 165.00 (164.70 to 165.70): E

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

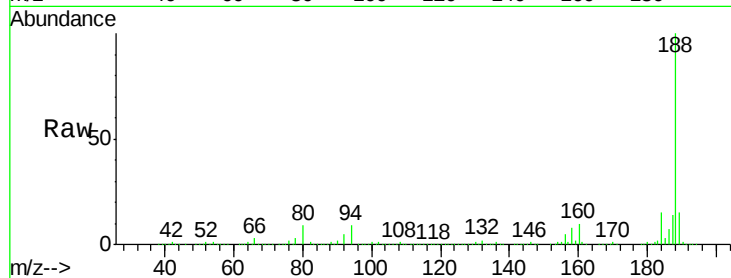




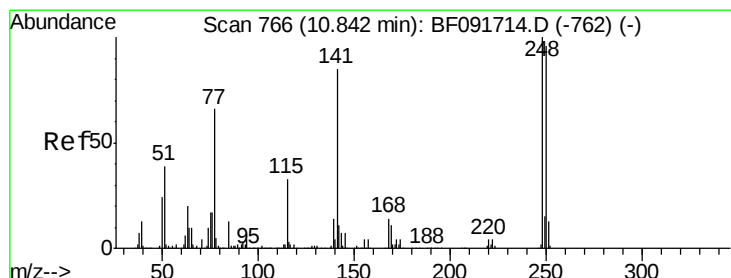
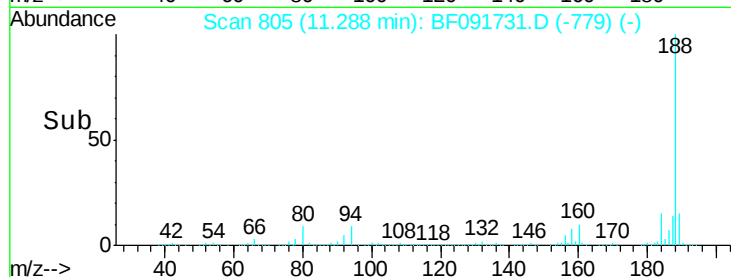
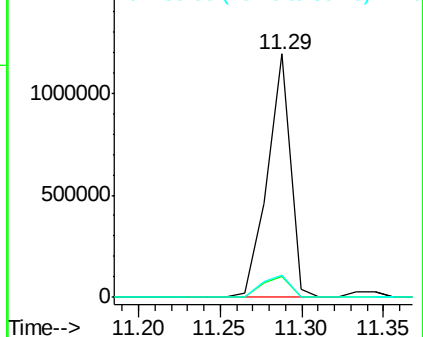
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF091731.D
Acq: 18 Dec 2016 4:55

Instrument :
BNA_F
ClientSampleId :
DUP-A-121316

Tgt Ion:188 Resp: 1180958
Ion Ratio Lower Upper
188 100
94 8.8 10.0 15.0#
80 9.4 11.2 16.8#

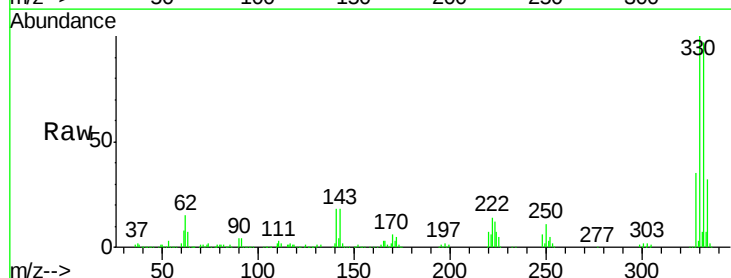


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

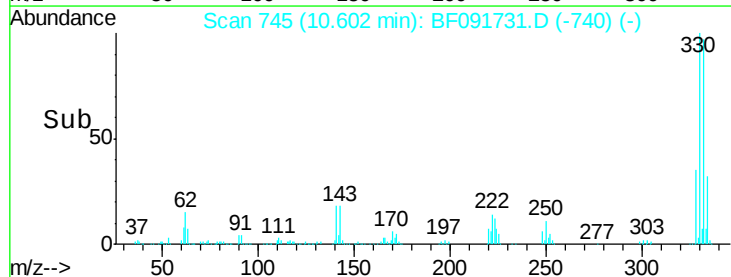
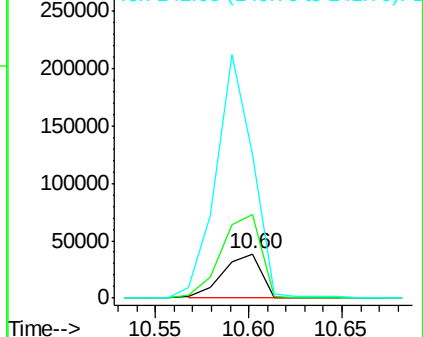


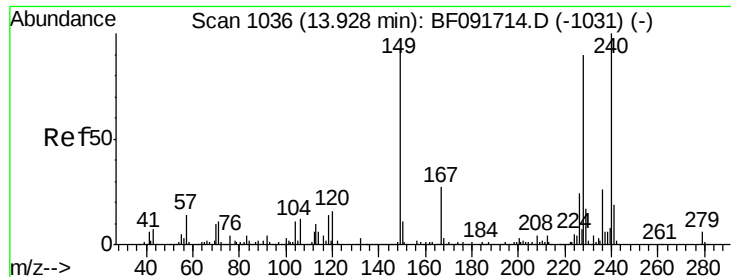
#66
4-Bromophenyl-phenylether
Concen: 4.45 ng
RT: 10.60 min Scan# 745
Delta R.T. -0.24 min
Lab File: BF091731.D
Acq: 18 Dec 2016 4:55

Tgt Ion:248 Resp: 55129
Ion Ratio Lower Upper
248 100
250 191.0 76.9 115.3#
141 327.5 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF091731.D

Acq: 18 Dec 2016 4:55

Instrument :

BNA_F

ClientSampleId :

DUP-A-121316

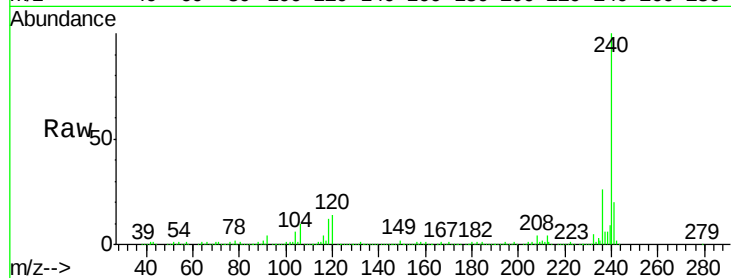
Tgt Ion:240 Resp: 971237

Ion Ratio Lower Upper

240 100

120 13.8 12.9 19.3

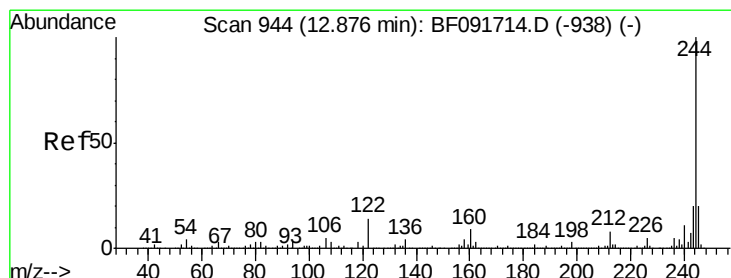
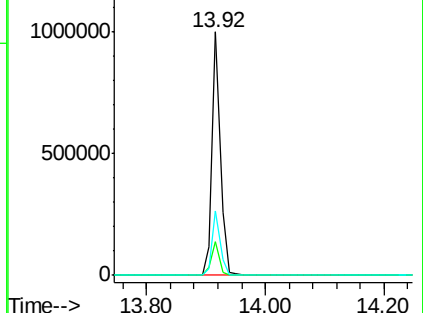
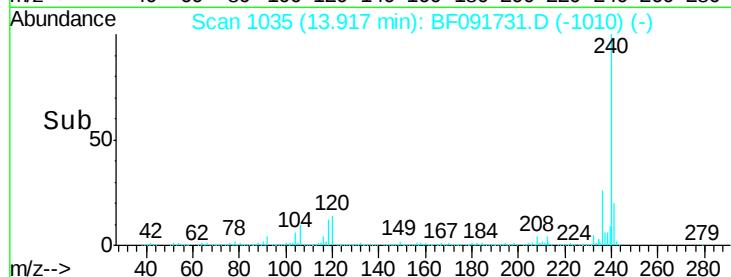
236 26.3 20.9 31.3



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: 93.00 ng

RT: 12.89 min Scan# 945

Delta R.T. 0.01 min

Lab File: BF091731.D

Acq: 18 Dec 2016 4:55

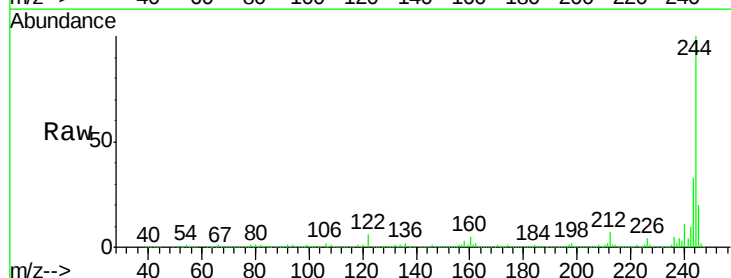
Tgt Ion:244 Resp: 3577197

Ion Ratio Lower Upper

244 100

212 6.8 6.2 9.2

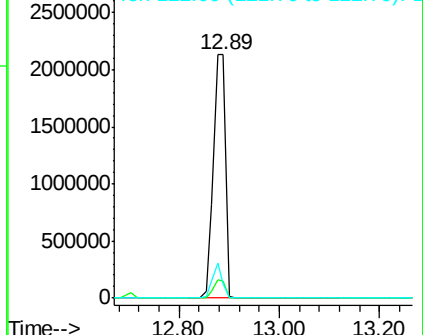
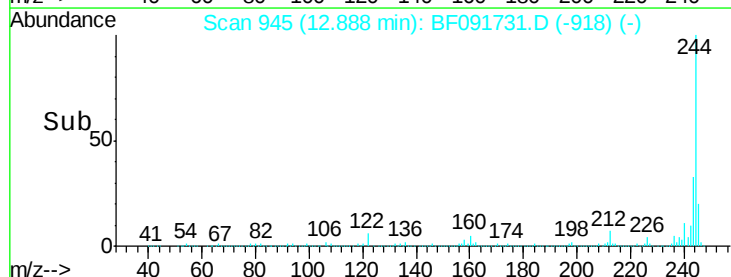
122 6.2 11.4 17.2#

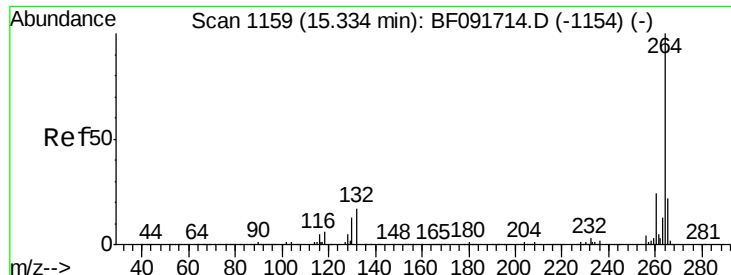


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.32 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF091731.D
Acq: 18 Dec 2016 4:55

Instrument :
BNA_F
ClientSampleId :
DUP-A-121316

Tgt Ion: 264 Resp: 878077
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 22.2 17.4 26.0

