

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120216\
 Data File : BF091403.D
 Acq On : 2 Dec 2016 21:43
 Operator : UM/SJ
 Sample : H5829-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EASTWALL-120116

Quant Time: Dec 02 22:24:58 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

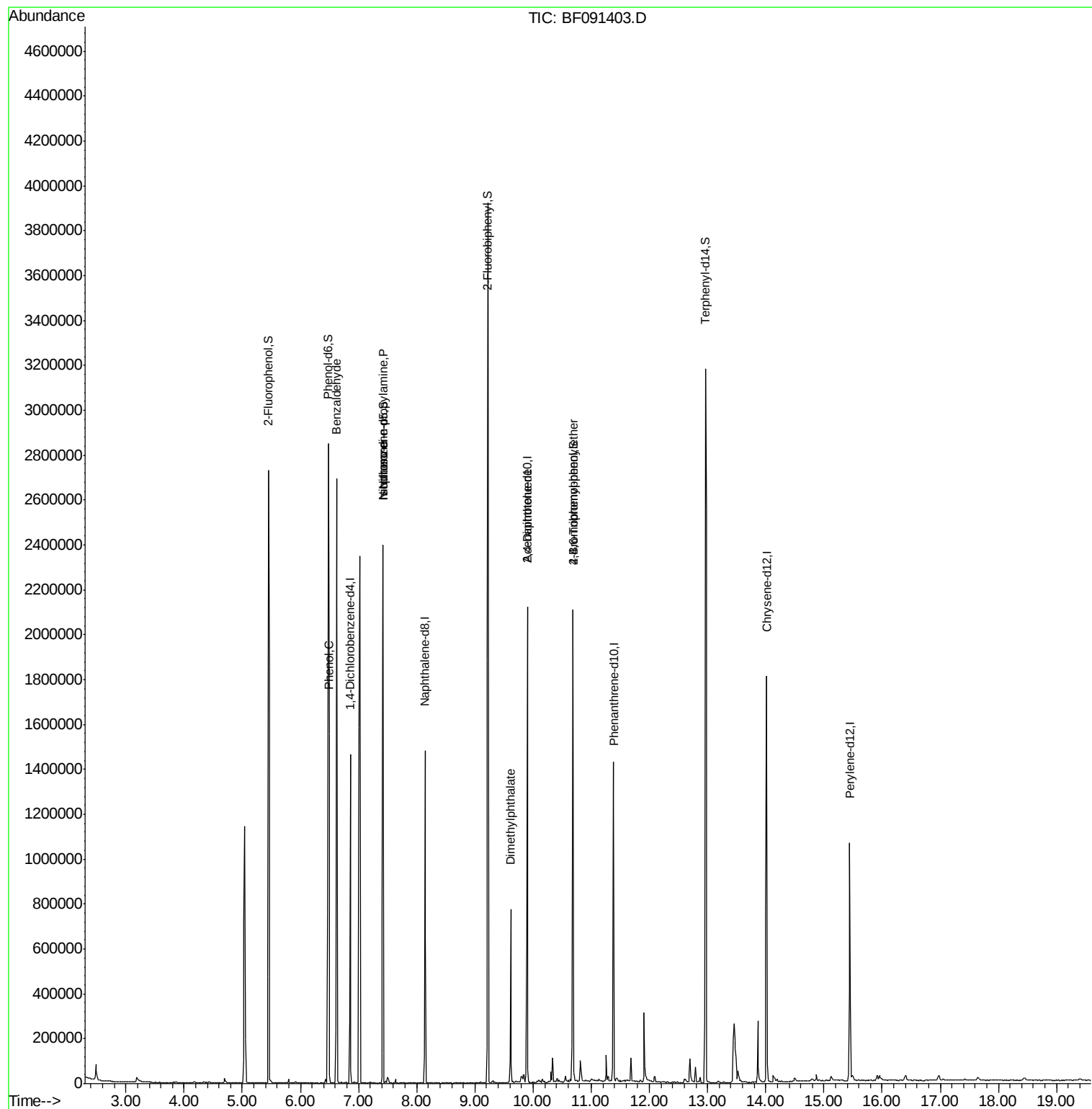
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	196461	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	732813	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	474954	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	792555	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	693390	20.00	ng	-0.03
86) Perylene-d12	15.44	264	501742	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	919475	76.46	ng	-0.02
7) Phenol-d6	6.48	99	1130723	76.38	ng	-0.02
23) Nitrobenzene-d5	7.42	82	723166	55.30	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	389429	86.61	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	1416963	54.02	ng	-0.02
78) Terphenyl-d14	12.96	244	1449282	45.43	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.62	77	21889	2.30	ng	Qvalue 81
10) Phenol	6.49	94	50692	2.91	ng	# 62
19) n-Nitroso-di-n-propylamine	7.42	70	98187	10.53	ng	# 75
25) Isophorone	7.42	82	556278	24.01	ng	# 67
49) Dimethylphthalate	9.61	163	281279	9.78	ng	98
56) 2,4-Dinitrotoluene	9.90	165	62752	7.53	ng	# 33
66) 4-Bromophenyl-phenylether	10.69	248	23352	2.74	ng	# 1

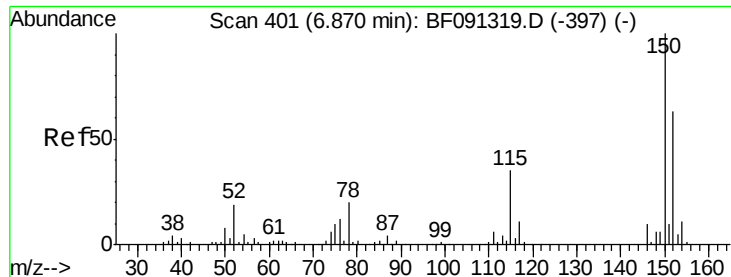
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF091403.D

Acq: 2 Dec 2016 21:43

Instrument :

BNA_F

ClientSampleId :

EASTWALL-120116

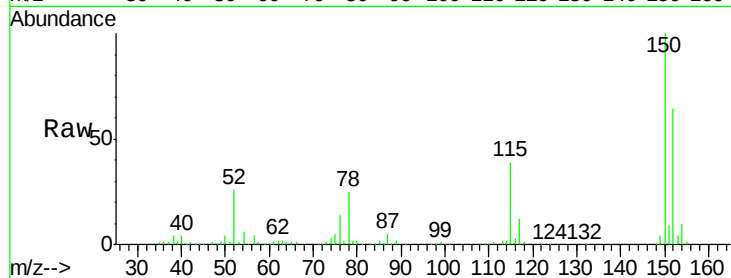
Tgt Ion:152 Resp: 196461

Ion Ratio Lower Upper

152 100

150 156.1 122.5 183.7

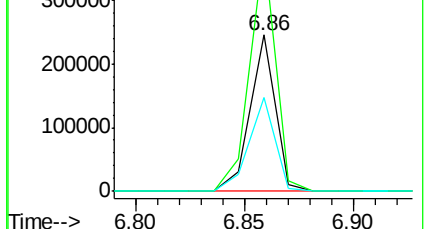
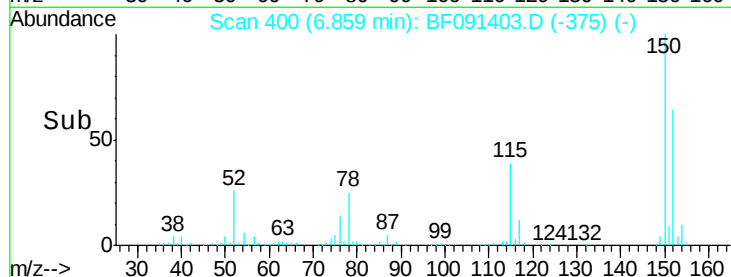
115 60.4 51.8 77.8



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: 76.46 ng

RT: 5.45 min Scan# 277

Delta R.T. -0.02 min

Lab File: BF091403.D

Acq: 2 Dec 2016 21:43

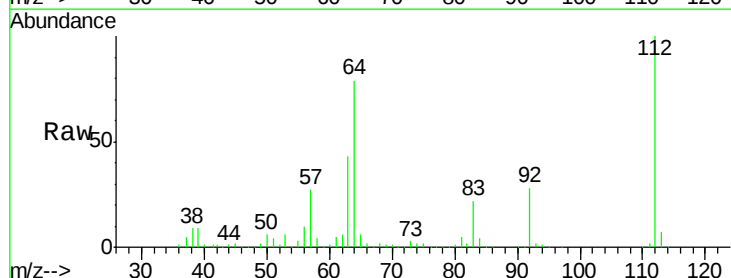
Tgt Ion:112 Resp: 919475

Ion Ratio Lower Upper

112 100

64 79.2 61.5 92.3

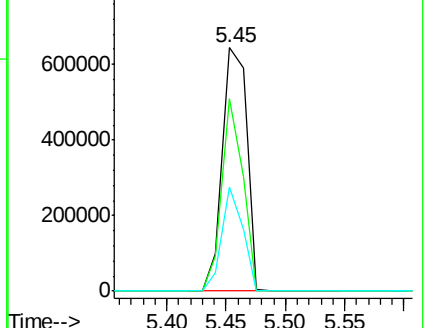
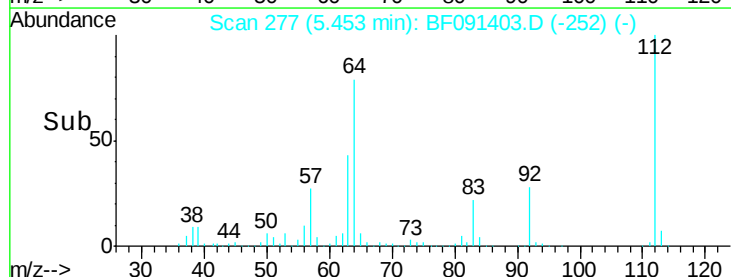
63 42.7 33.3 49.9

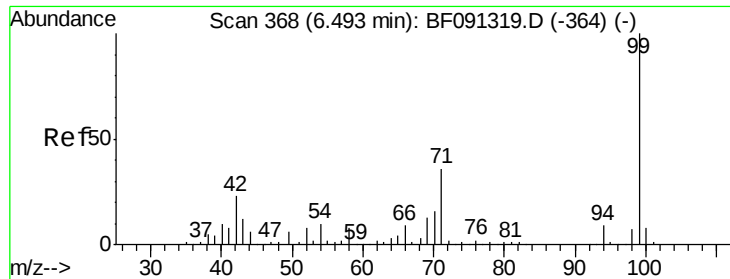


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 76.38 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.02 min

Lab File: BF091403.D

Acq: 2 Dec 2016 21:43

Instrument :

BNA_F

ClientSampleId :

EASTWALL-120116

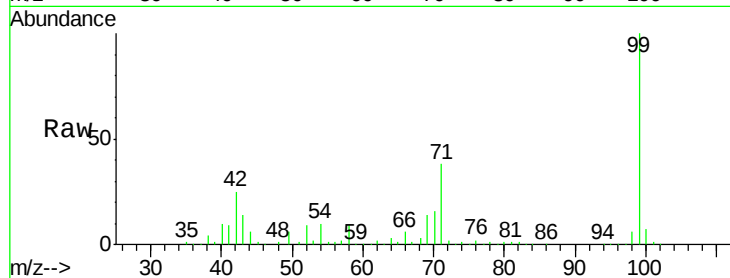
Tgt Ion: 99 Resp: 1130723

Ion Ratio Lower Upper

99 100

42 25.2 20.6 31.0

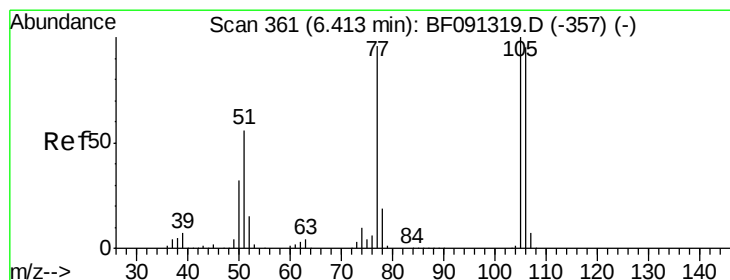
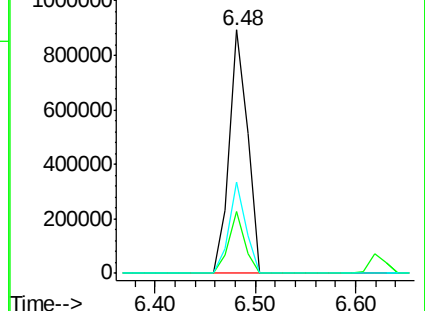
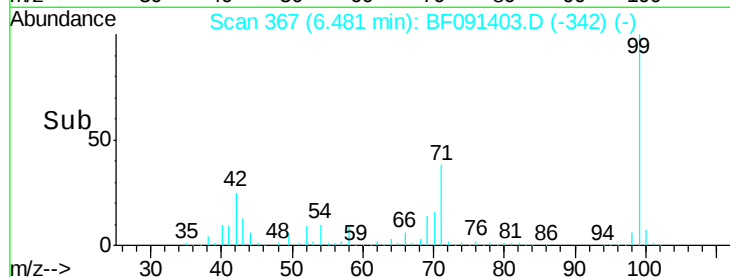
71 37.6 29.9 44.9



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



#9

Benzaldehyde

Concen: 2.30 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.20 min

Lab File: BF091403.D

Acq: 2 Dec 2016 21:43

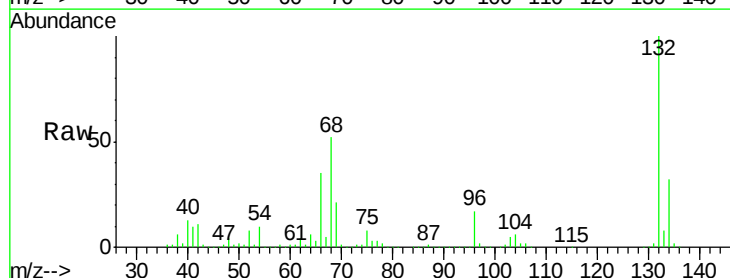
Tgt Ion: 77 Resp: 21889

Ion Ratio Lower Upper

77 100

105 69.3 66.4 106.4

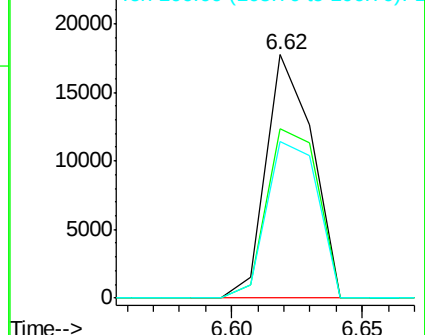
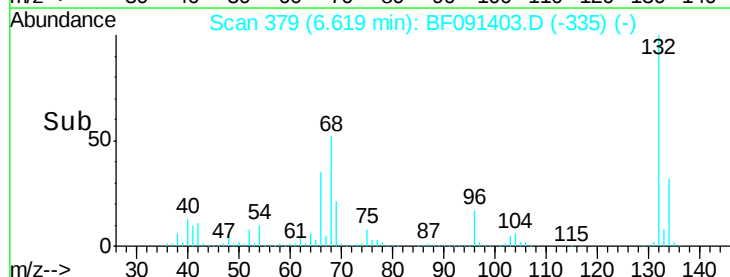
106 64.4 60.9 100.9

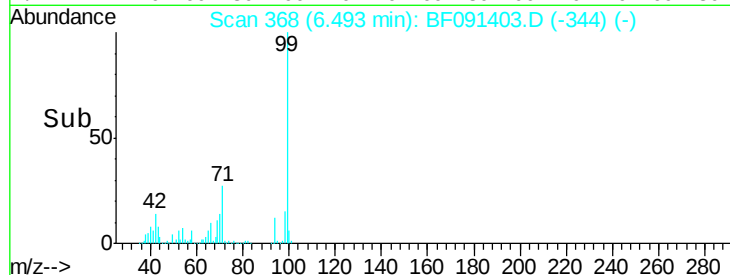
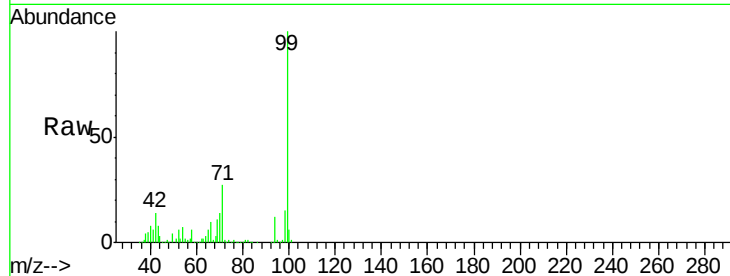
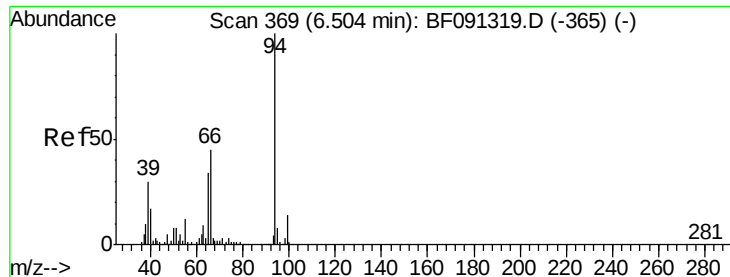


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.91 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.03 min

Lab File: BF091403.D

Acq: 2 Dec 2016 21:43

Instrument :

BNA_F

ClientSampleId :

EASTWALL-120116

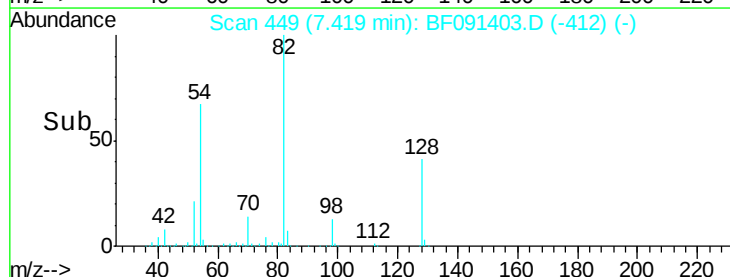
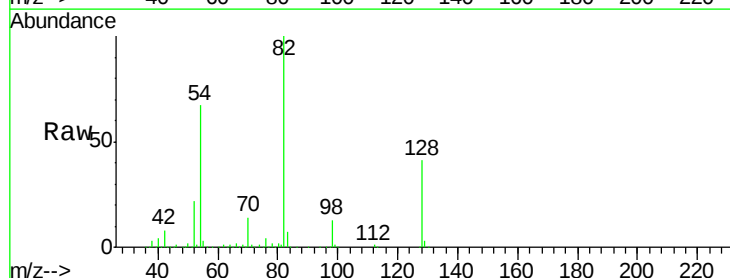
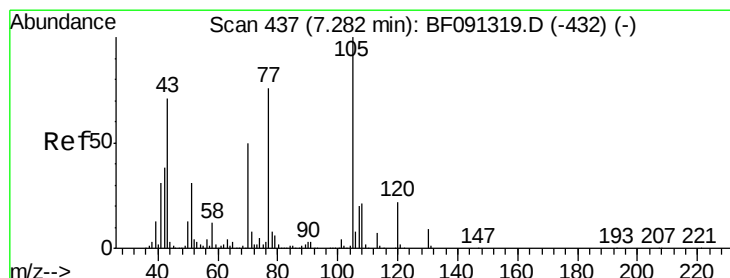
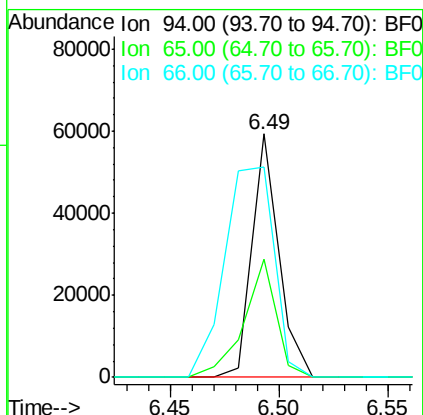
Tgt Ion: 94 Resp: 50692

Ion Ratio Lower Upper

94 100

65 48.3 16.9 56.9

66 86.4 30.6 70.6#



#19

n-Nitroso-di-n-propylamine

Concen: 10.53 ng

RT: 7.42 min Scan# 449

Delta R.T. 0.12 min

Lab File: BF091403.D

Acq: 2 Dec 2016 21:43

Tgt Ion: 70 Resp: 98187

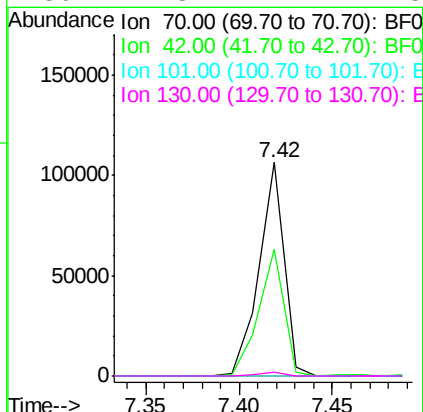
Ion Ratio Lower Upper

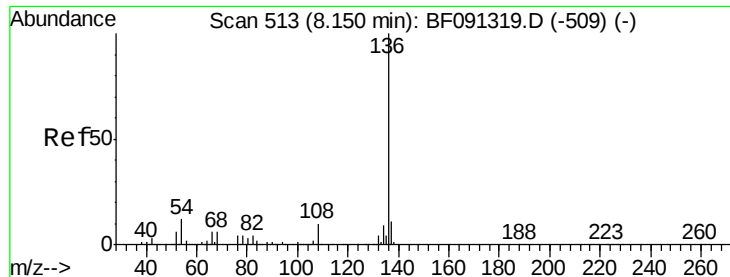
70 100

42 59.5 64.8 97.2#

101 0.0 6.2 9.4#

130 1.8 11.7 17.5#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 512

Delta R.T. -0.03 min

Lab File: BF091403.D

Acq: 2 Dec 2016 21:43

Instrument :

BNA_F

ClientSampleId :

EASTWALL-120116

Tgt Ion: 136 Resp: 732813

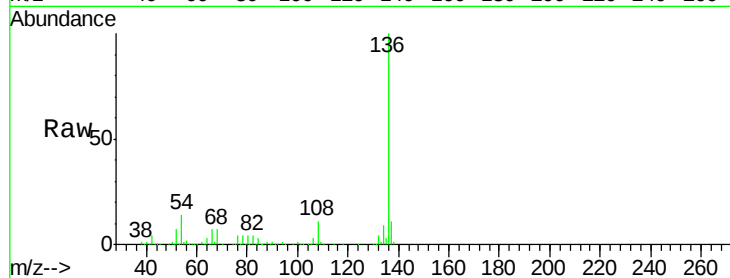
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 13.8 9.1 13.7#

68 6.6 5.9 8.9

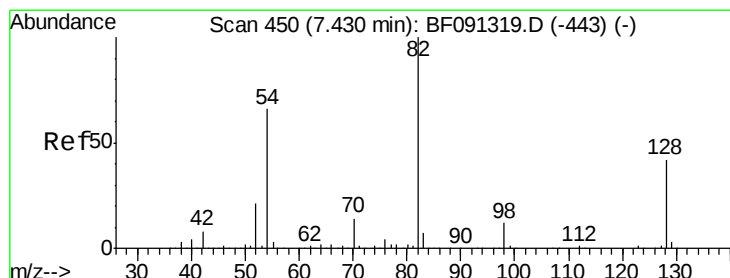
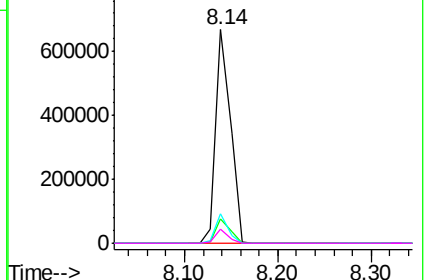
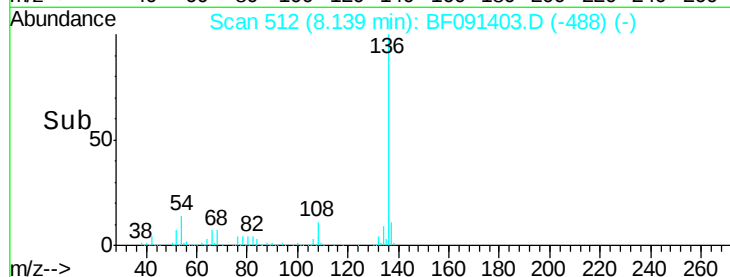


Abundance Ion 136.00 (135.70 to 136.70): E

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: 55.30 ng

RT: 7.42 min Scan# 449

Delta R.T. -0.03 min

Lab File: BF091403.D

Acq: 2 Dec 2016 21:43

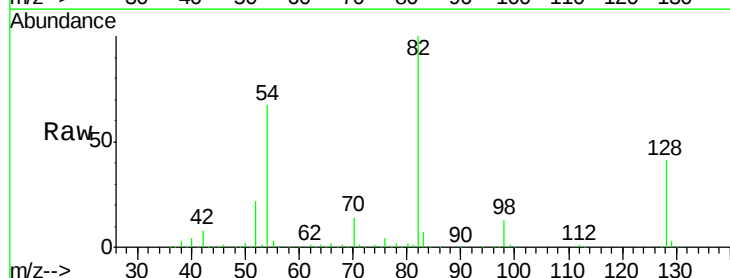
Tgt Ion: 82 Resp: 723166

Ion Ratio Lower Upper

82 100

128 40.7 31.8 47.6

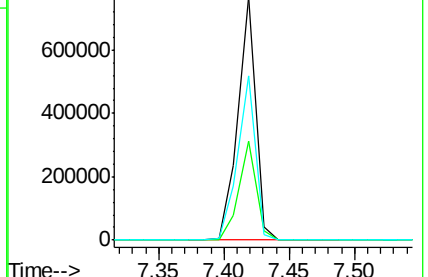
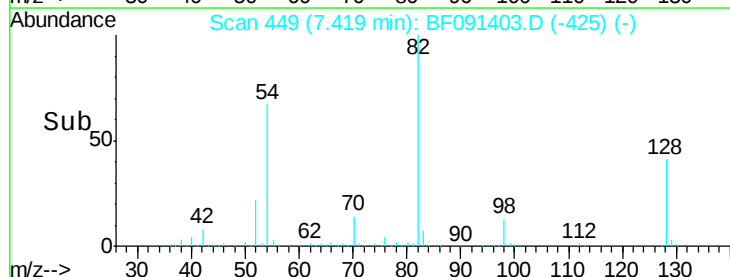
54 67.5 49.1 73.7

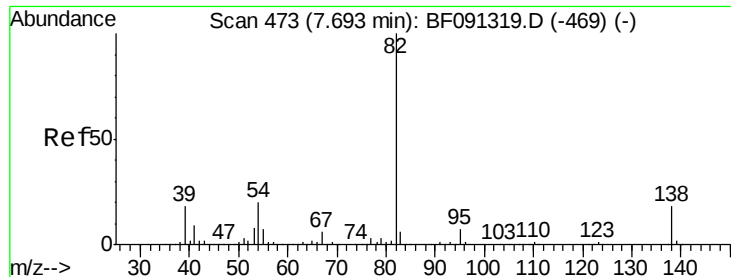


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 24.01 ng

RT: 7.42 min Scan# 449

Delta R.T. -0.29 min

Lab File: BF091403.D

Acq: 2 Dec 2016 21:43

Instrument :

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ClientSampleId :

EASTWALL-120116

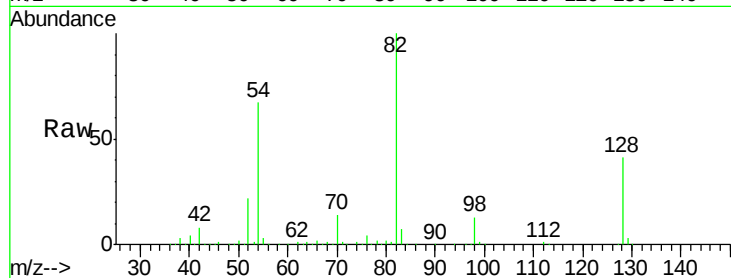
Tgt Ion: 82 Resp: 556278

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

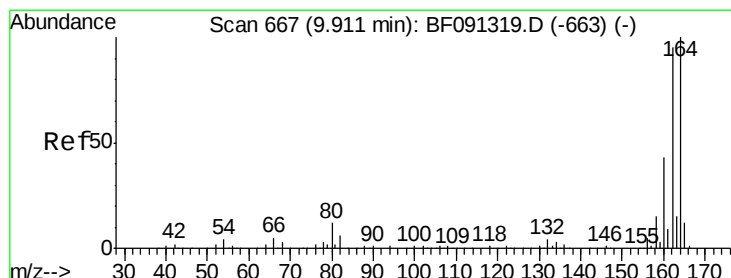
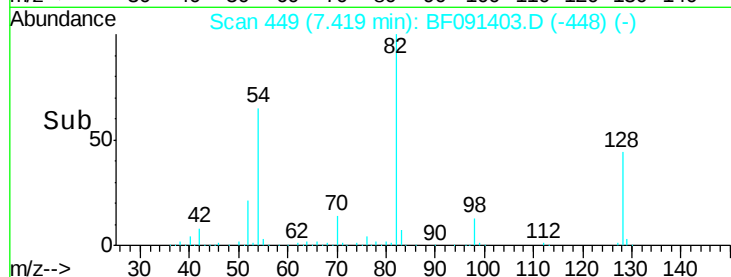
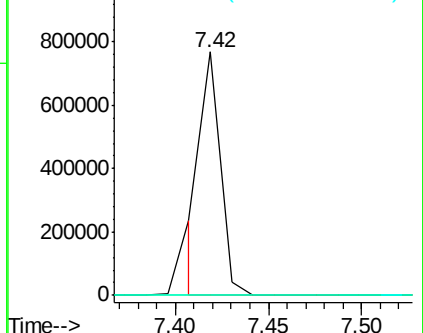
138 0.0 13.4 20.0#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 666

Delta R.T. -0.02 min

Lab File: BF091403.D

Acq: 2 Dec 2016 21:43

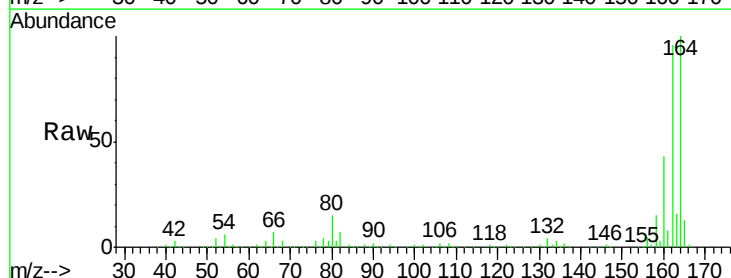
Tgt Ion: 164 Resp: 474954

Ion Ratio Lower Upper

164 100

162 96.3 82.6 124.0

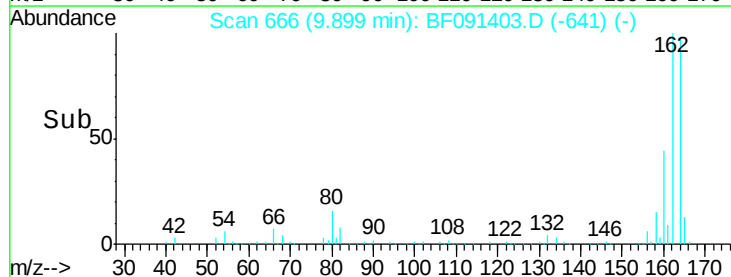
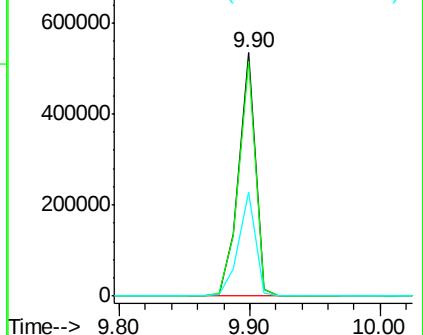
160 42.5 36.7 55.1

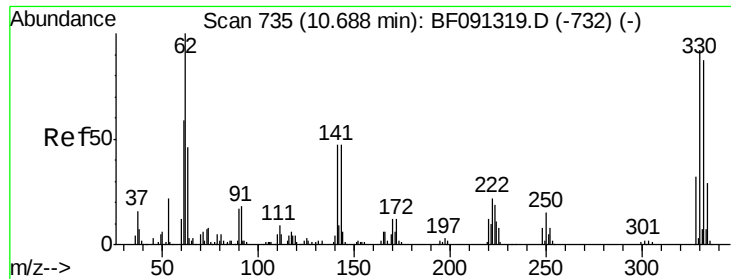


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

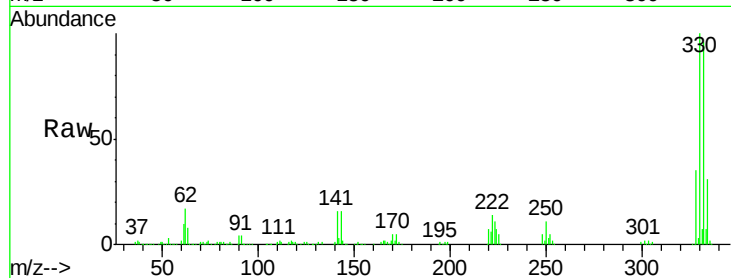




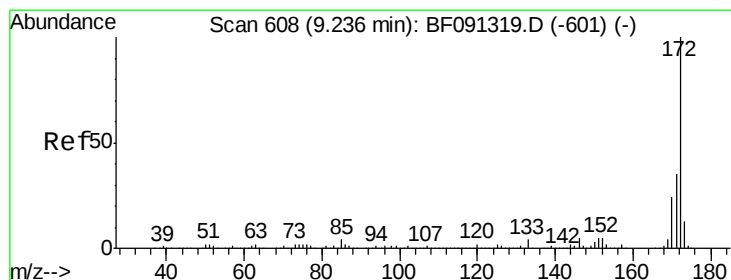
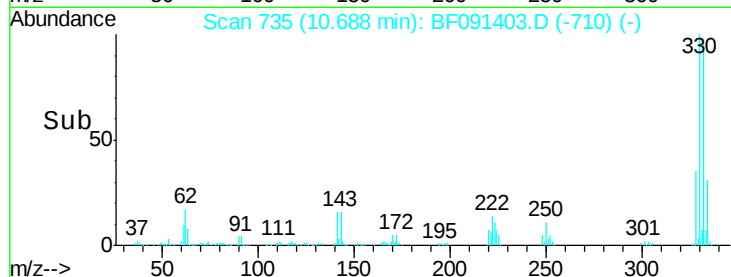
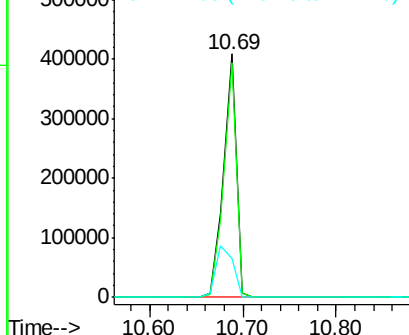
#41
 2,4,6-Tribromophenol
 Concen: 86.61 ng
 RT: 10.69 min Scan# 735
 Delta R.T. -0.02 min
 Lab File: BF091403.D
 Acq: 2 Dec 2016 21:43

Instrument :
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Tgt Ion:330 Resp: 389429
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.2 114.4
 141 28.6 33.6 50.4#

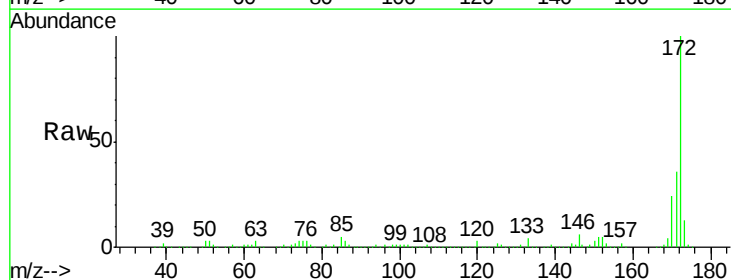


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

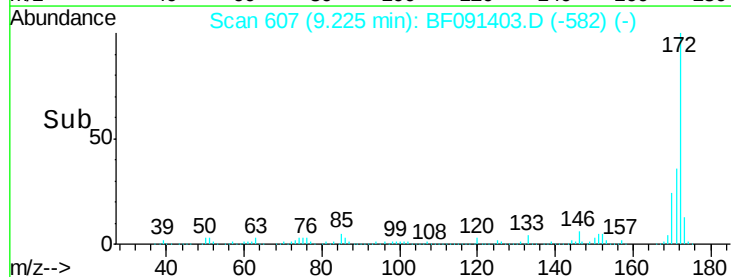
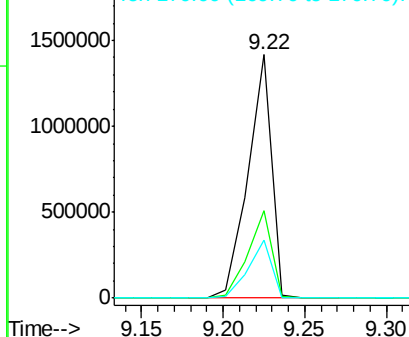


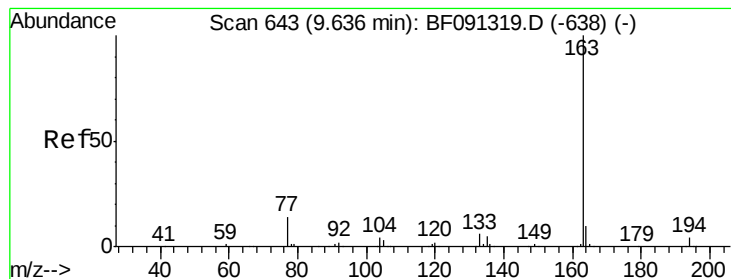
#44
 2-Fluorobiphenyl
 Concen: 54.02 ng
 RT: 9.22 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF091403.D
 Acq: 2 Dec 2016 21:43

Tgt Ion:172 Resp: 1416963
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.0
 170 24.1 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





#49

Dimethylphthalate

Concen: 9.78 ng

RT: 9.61 min Scan# 641

Delta R.T. -0.04 min

Lab File: BF091403.D

Acq: 2 Dec 2016 21:43

Instrument :

BNA_F

ClientSampleId :

EASTWALL-120116

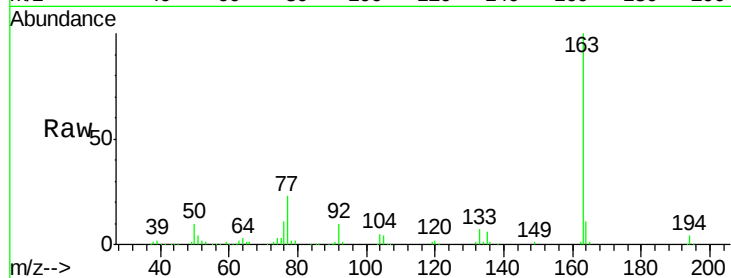
Tgt Ion:163 Resp: 281279

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

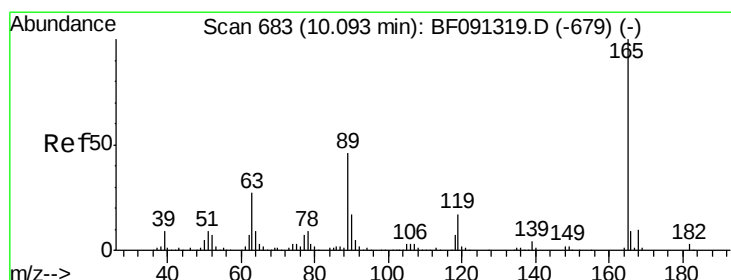
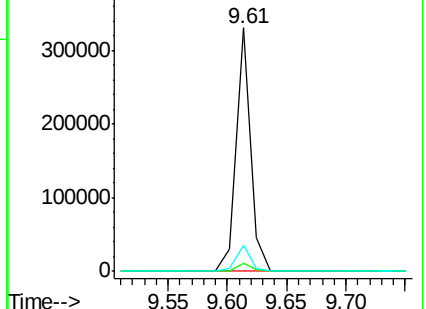
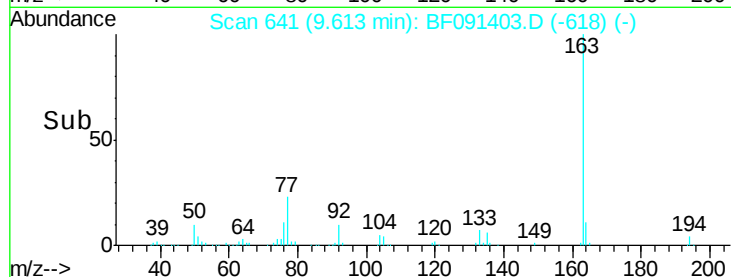
164 10.8 7.8 11.8



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: 7.53 ng

RT: 9.90 min Scan# 666

Delta R.T. -0.20 min

Lab File: BF091403.D

Acq: 2 Dec 2016 21:43

Tgt Ion:165 Resp: 62752

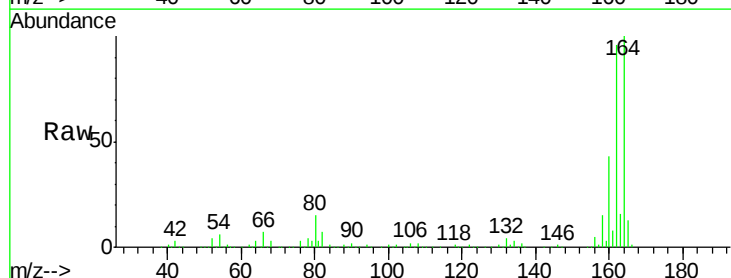
Ion Ratio Lower Upper

165 100

63 0.8 29.0 43.4#

89 1.0 43.1 64.7#

182 0.0 1.9 2.9#

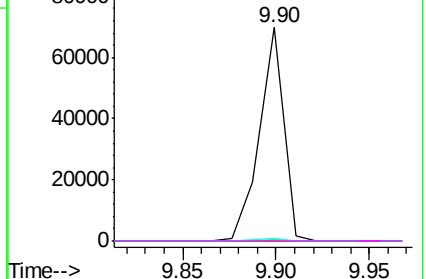
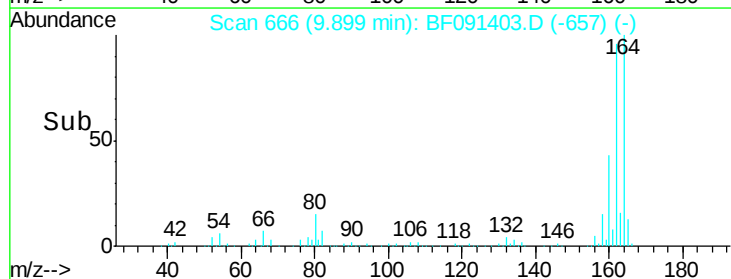


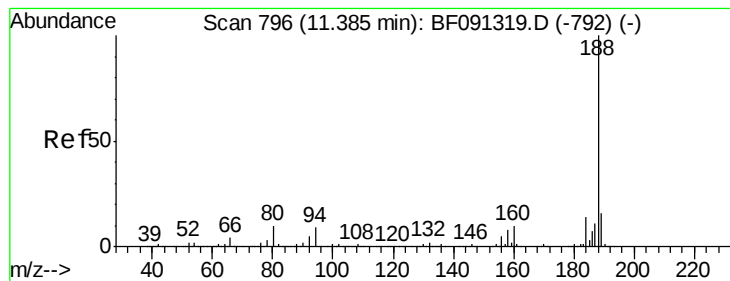
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF091403.D

Acq: 2 Dec 2016 21:43

Instrument :

BNA_F

ClientSampleId :

EASTWALL-120116

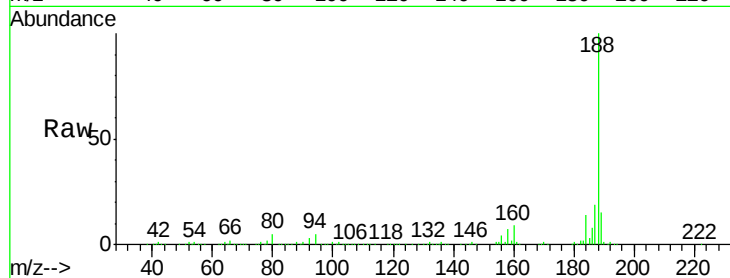
Tgt Ion:188 Resp: 792555

Ion Ratio Lower Upper

188 100

94 4.9 9.2 13.8#

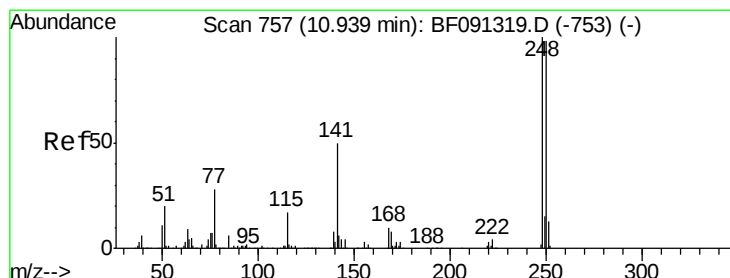
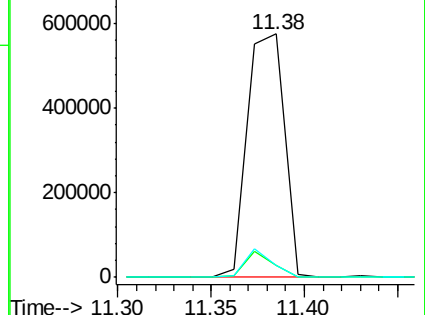
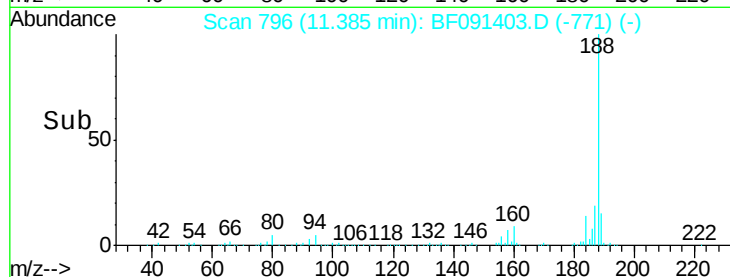
80 4.8 10.5 15.7#



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: 2.74 ng

RT: 10.69 min Scan# 735

Delta R.T. -0.27 min

Lab File: BF091403.D

Acq: 2 Dec 2016 21:43

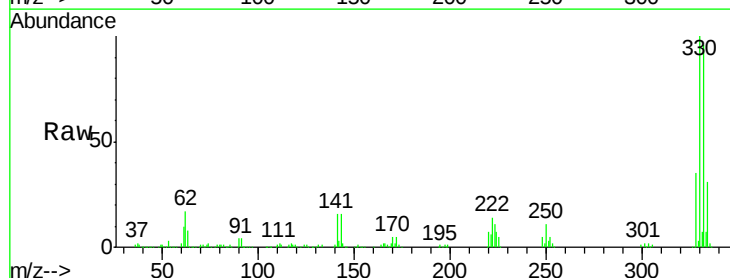
Tgt Ion:248 Resp: 23352

Ion Ratio Lower Upper

248 100

250 201.3 78.2 117.4#

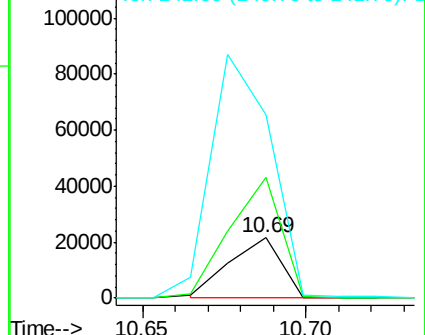
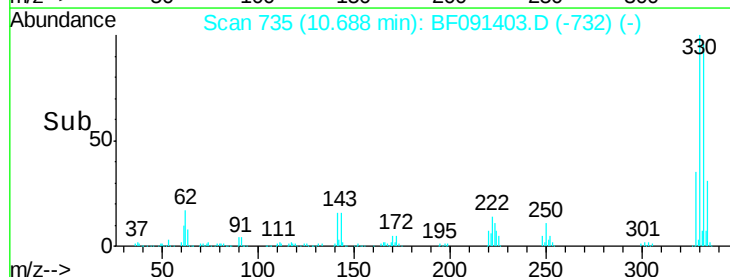
141 305.4 71.9 107.9#

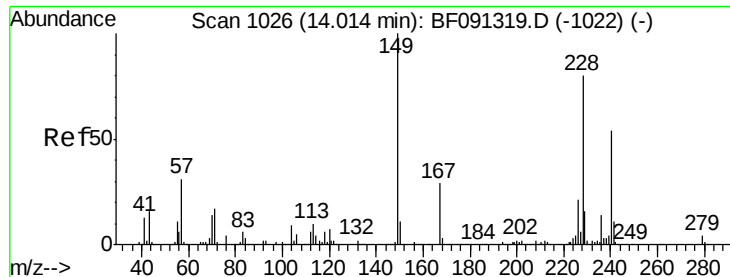


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.01 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BF091403.D

Acq: 2 Dec 2016 21:43

Instrument :

BNA_F

ClientSampleId :

EASTWALL-120116

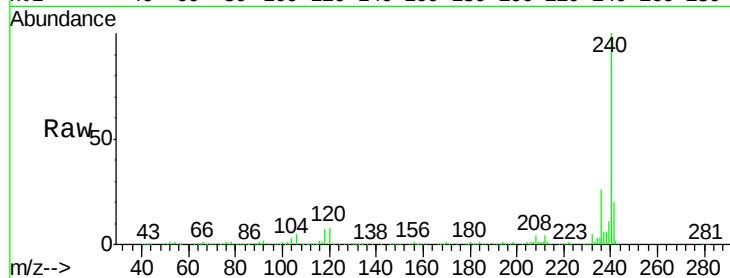
Tgt Ion:240 Resp: 693390

Ion Ratio Lower Upper

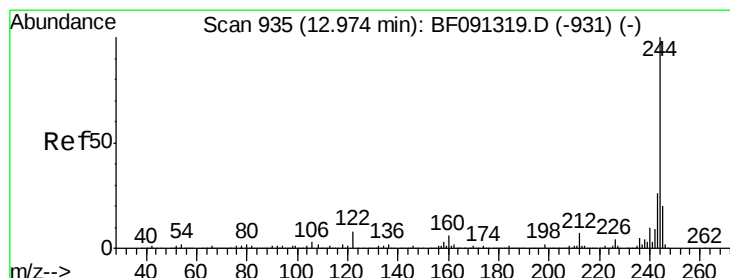
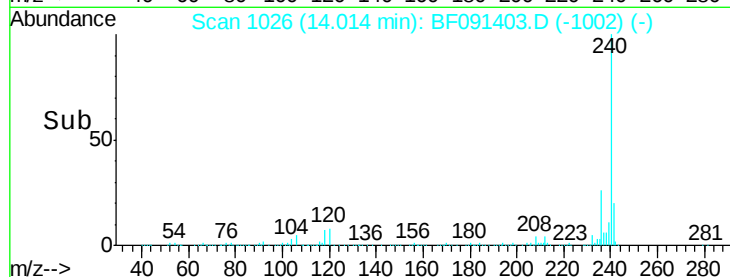
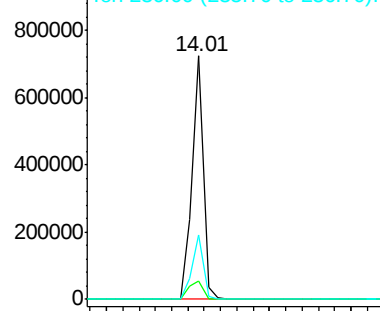
240 100

120 7.6 12.1 18.1#

236 26.3 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: 45.43 ng

RT: 12.96 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF091403.D

Acq: 2 Dec 2016 21:43

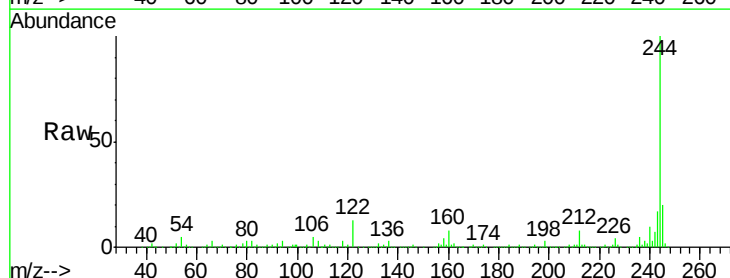
Tgt Ion:244 Resp: 1449282

Ion Ratio Lower Upper

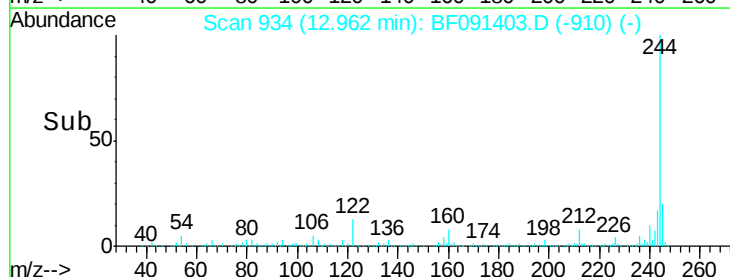
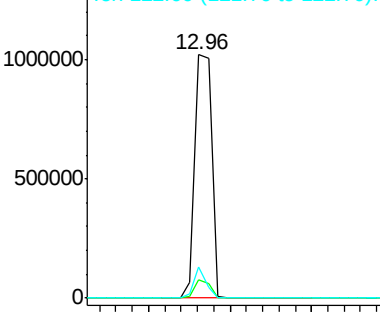
244 100

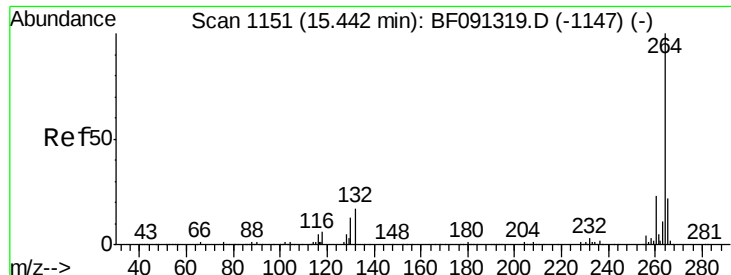
212 7.6 6.5 9.7

122 12.9 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

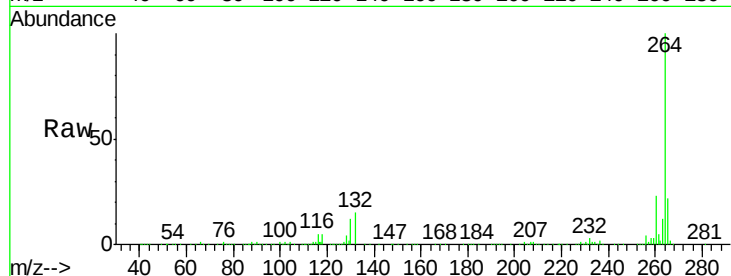




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF091403.D
Acq: 2 Dec 2016 21:43

Instrument :
BNA_F
ClientSampleId :
EASTWALL-120116

Tgt Ion:264 Resp: 501742
Ion Ratio Lower Upper
264 100
260 23.1 18.8 28.2
265 21.8 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

