

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
 Data File : BF091691.D
 Acq On : 16 Dec 2016 23:45
 Operator : UM/SJ
 Sample : H6121-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-01-13

Quant Time: Dec 17 04:04:13 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

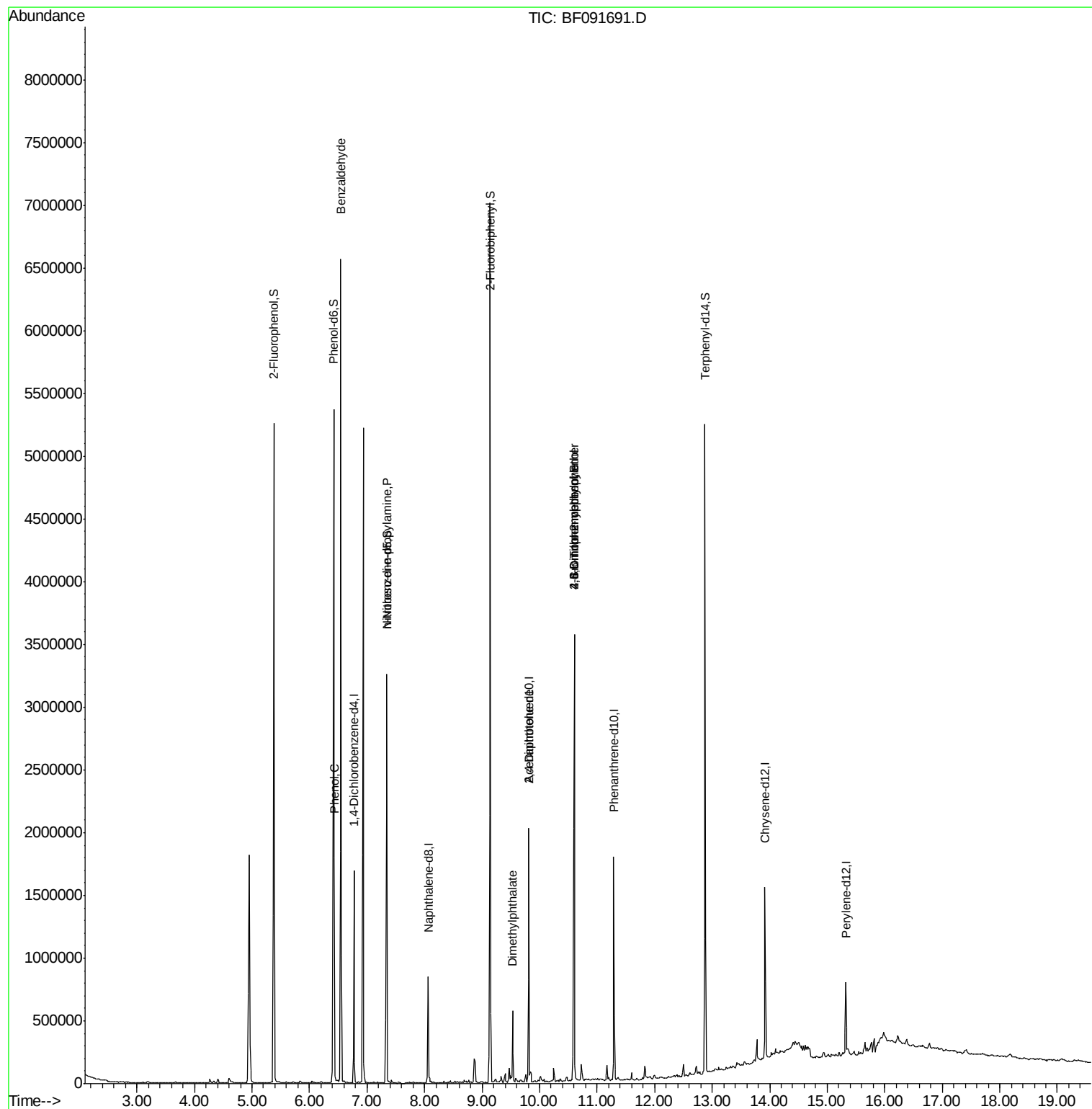
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	233820	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	591611	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	474199	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	664863	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	521711	20.00	ng	-0.02
86) Perylene-d12	15.32	264	258840	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1965956	141.65	ng	0.00
7) Phenol-d6	6.42	99	2210390	127.75	ng	-0.01
23) Nitrobenzene-d5	7.34	82	1461998	137.93	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	482703	122.56	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	2208405	80.47	ng	-0.01
78) Terphenyl-d14	12.88	244	1649207	71.73	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.54	77	43640	3.67	ng	Qvalue 88
10) Phenol	6.43	94	132719	6.56	ng	97
19) n-Nitroso-di-n-propylamine	7.34	70	198997	18.39	ng	# 59
20) 3+4-Methylphenols	6.93	107	318	Below Cal	#	1
49) Dimethylphthalate	9.53	163	257884	8.59	ng	98
56) 2,4-Dinitrotoluene	9.81	165	62595	7.58	ng	# 33
57) Fluorene	10.35	166	5773	Below Cal	#	83
64) 4,6-Dinitro-2-methylphenol	10.60	198	1162	3.22	ng	# 8
66) 4-Bromophenyl-phenylether	10.60	248	32670	4.79	ng	# 1

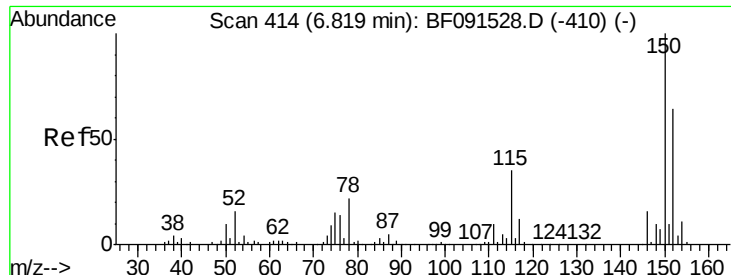
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF091691.D

Acq: 16 Dec 2016 23:45

Instrument :

BNA_F

ClientSampleId :

EP-01-13

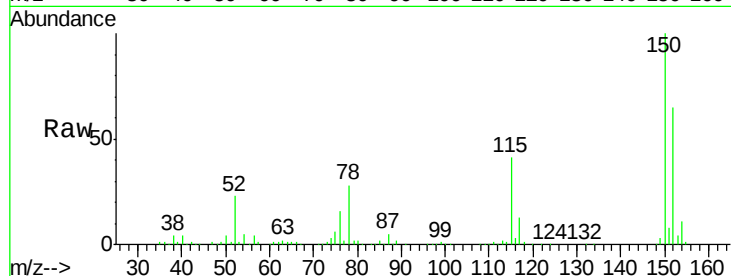
Tgt Ion:152 Resp: 233820

Ion Ratio Lower Upper

152 100

150 153.1 122.5 183.7

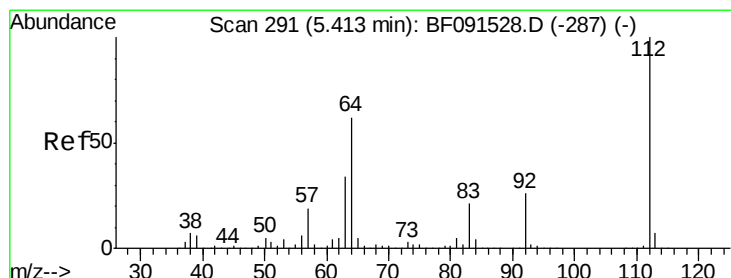
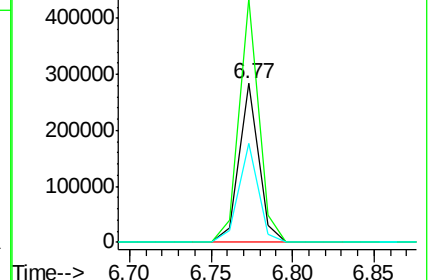
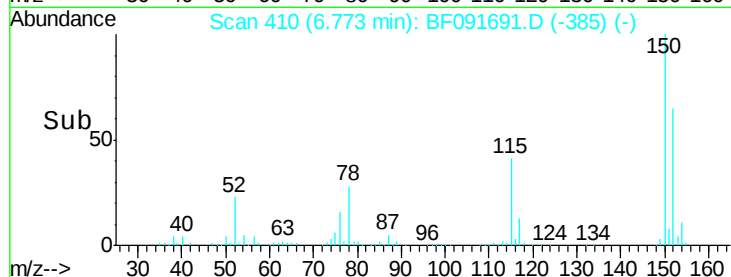
115 62.0 51.8 77.8



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: 141.65 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.00 min

Lab File: BF091691.D

Acq: 16 Dec 2016 23:45

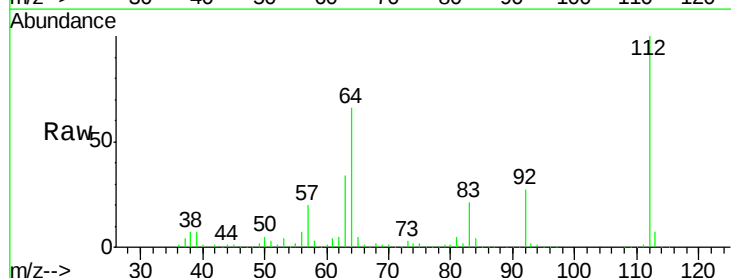
Tgt Ion:112 Resp: 1965956

Ion Ratio Lower Upper

112 100

64 65.8 61.5 92.3

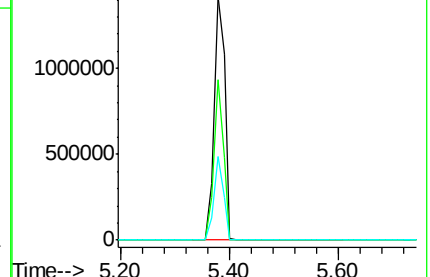
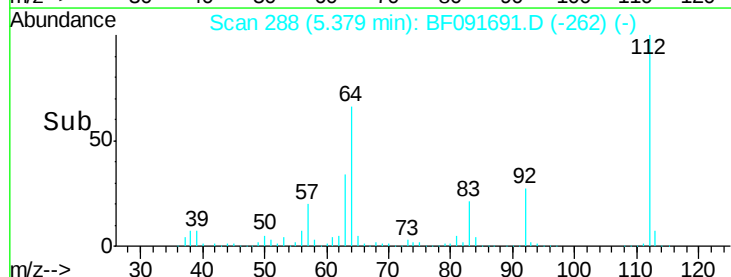
63 34.3 33.3 49.9

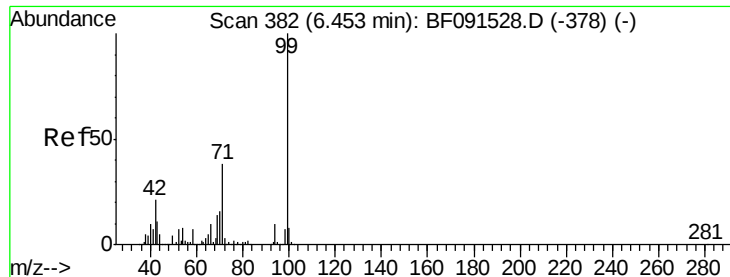


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 127.75 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF091691.D

Acq: 16 Dec 2016 23:45

Instrument :

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ClientSampleId :

EP-01-13

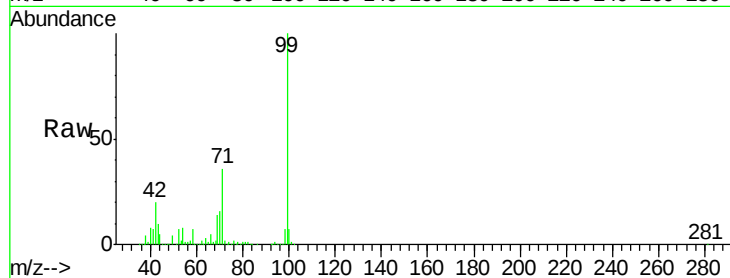
Tgt Ion: 99 Resp: 2210390

Ion Ratio Lower Upper

99 100

42 20.2 20.6 31.0#

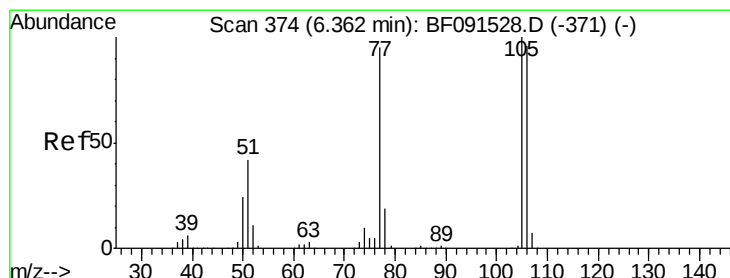
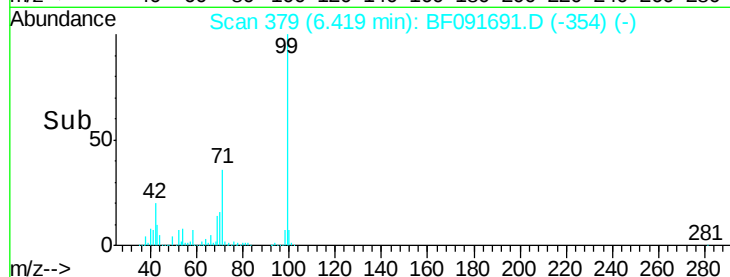
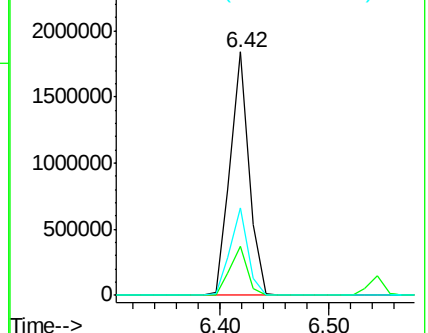
71 35.7 29.9 44.9



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: 3.67 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.22 min

Lab File: BF091691.D

Acq: 16 Dec 2016 23:45

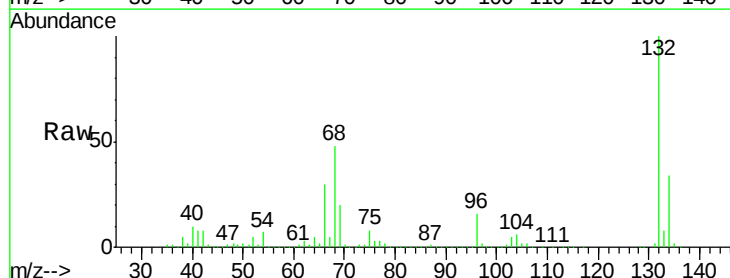
Tgt Ion: 77 Resp: 43640

Ion Ratio Lower Upper

77 100

105 77.6 66.4 106.4

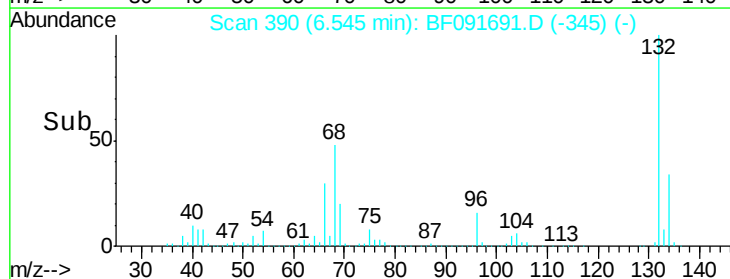
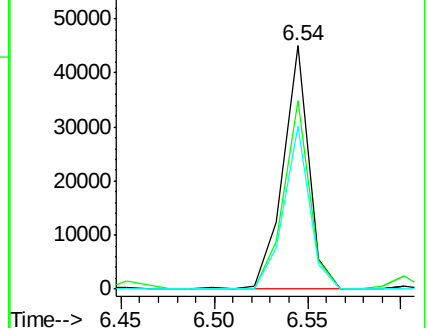
106 67.1 60.9 100.9

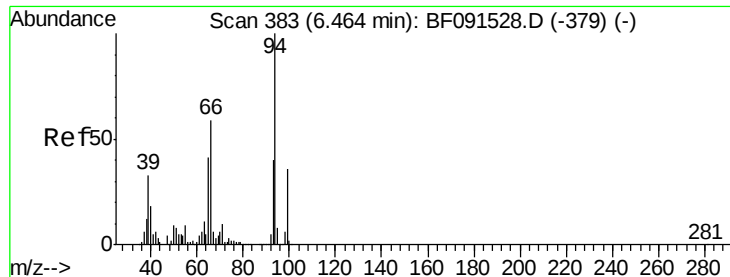


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 6.56 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF091691.D

Acq: 16 Dec 2016 23:45

Instrument :

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ClientSampleId :

EP-01-13

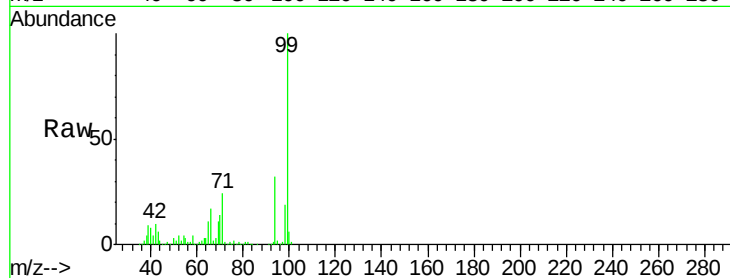
Tgt Ion: 94 Resp: 132719

Ion Ratio Lower Upper

94 100

65 33.4 16.9 56.9

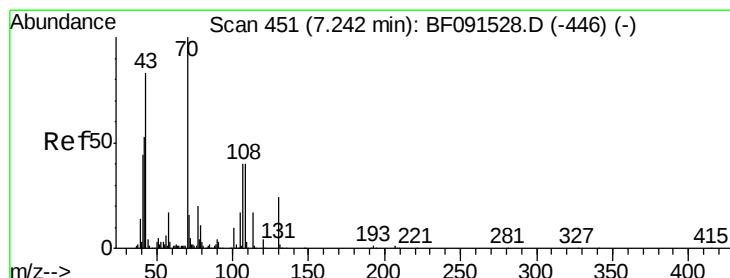
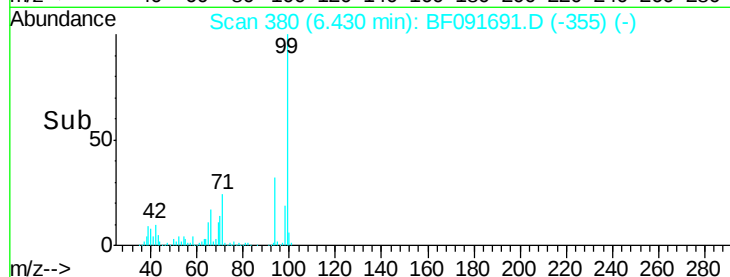
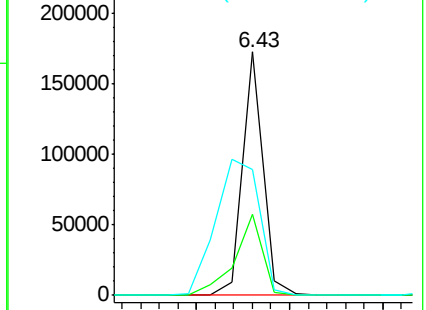
66 51.8 30.6 70.6



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 18.39 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.14 min

Lab File: BF091691.D

Acq: 16 Dec 2016 23:45

Tgt Ion: 70 Resp: 198997

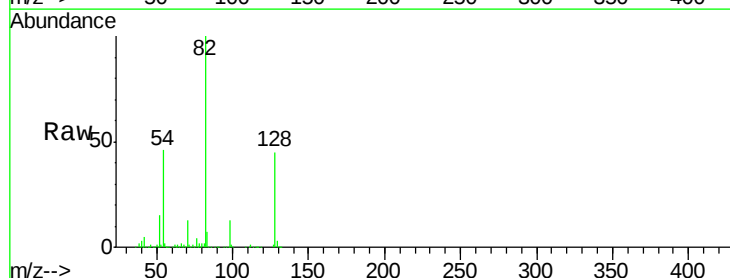
Ion Ratio Lower Upper

70 100

42 41.3 64.8 97.2#

101 0.0 6.2 9.4#

130 2.1 11.7 17.5#

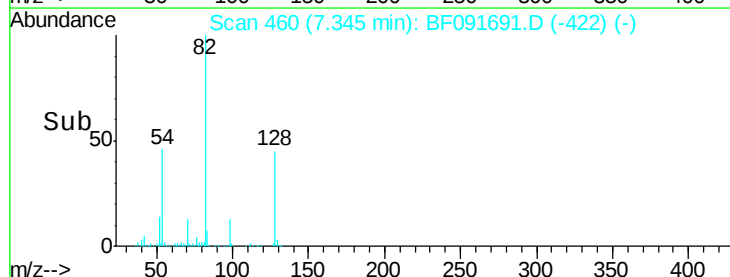
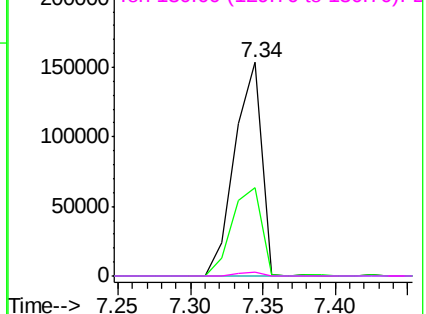


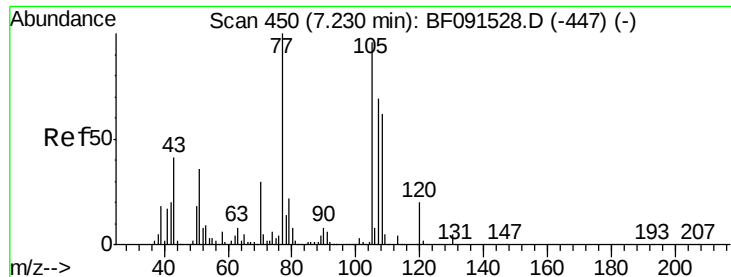
Abundance Ion 70.00 (69.70 to 70.70): BF0

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





#20

3+4-Methylphenols

Concen: Below Cal

RT: 6.93 min Scan# 424

Delta R.T. -0.27 min

Lab File: BF091691.D

Acq: 16 Dec 2016 23:45

Instrument :

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ClientSampleId :

EP-01-13

Tgt Ion:107 Resp: 318

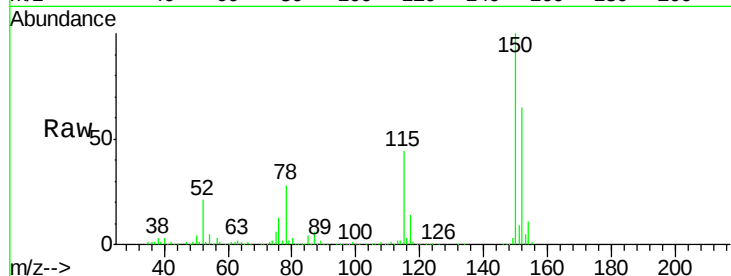
Ion Ratio Lower Upper

107 100

108 1618.3 64.6 104.6#

77 6834.5 30.9 70.9#

79 5382.8 9.3 49.3#

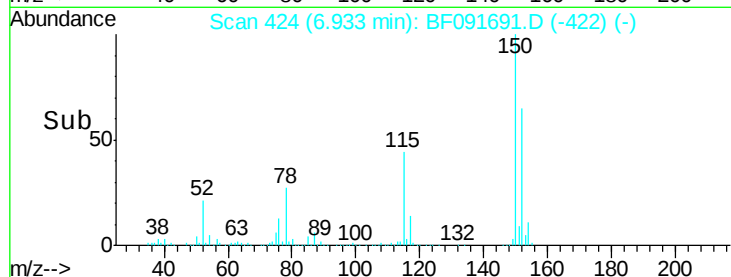


Abundance Ion 107.00 (106.70 to 107.70): E

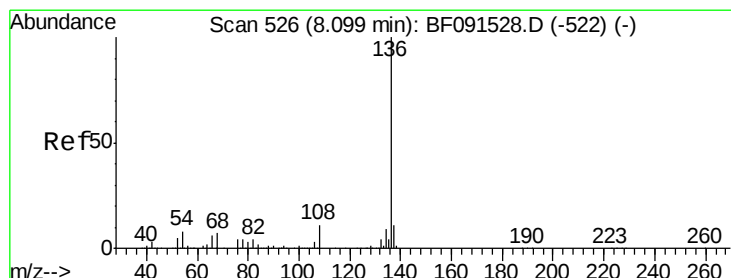
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF091691.D

Acq: 16 Dec 2016 23:45

Tgt Ion:136 Resp: 591611

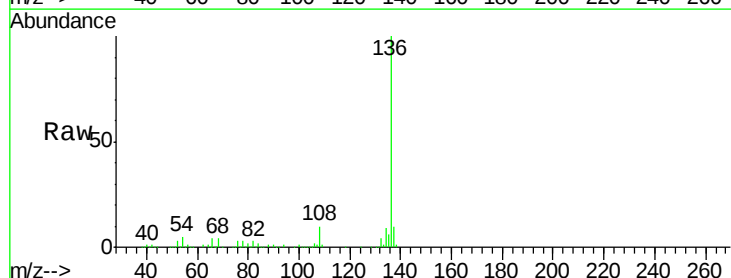
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 5.1 9.1 13.7#

68 4.1 5.9 8.9#

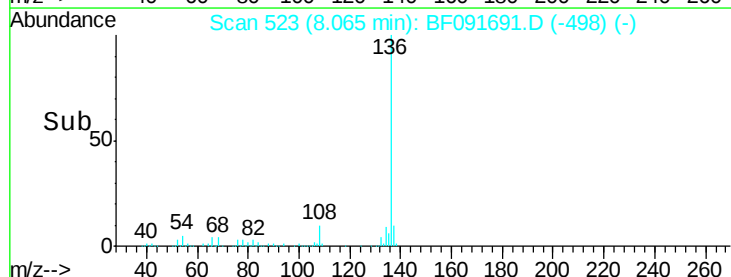


Abundance Ion 136.00 (135.70 to 136.70): E

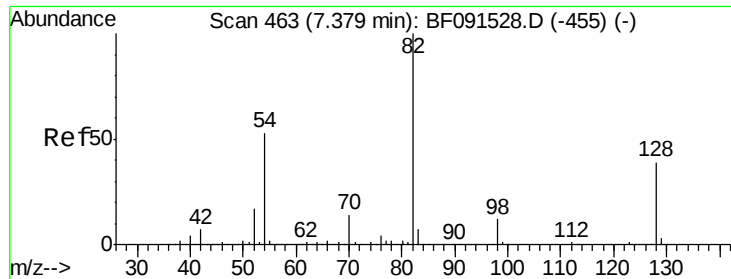
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



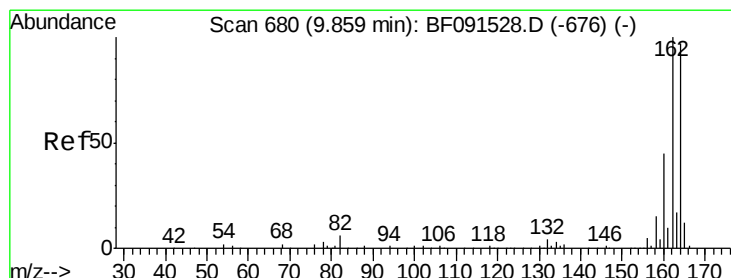
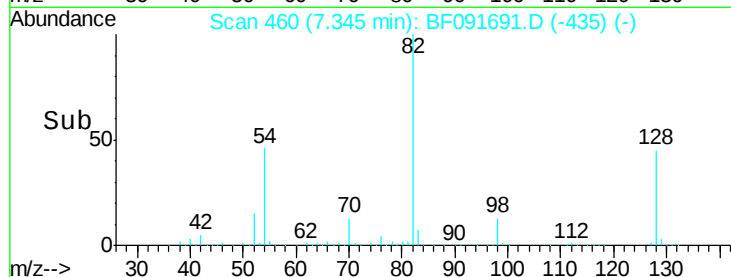
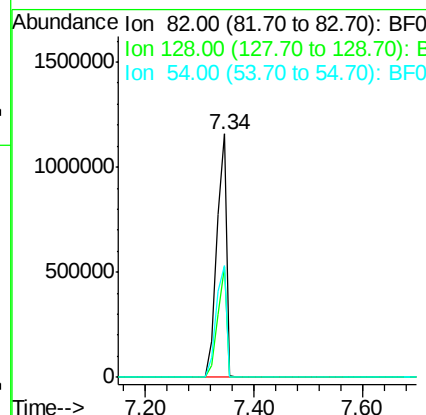
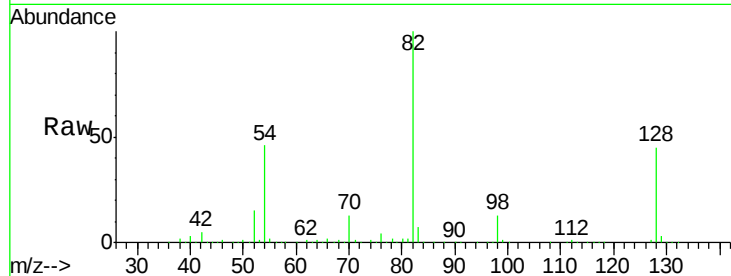
Time-->



#23
 Nitrobenzene-d5
 Concen: 137.93 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF091691.D
 Acq: 16 Dec 2016 23:45

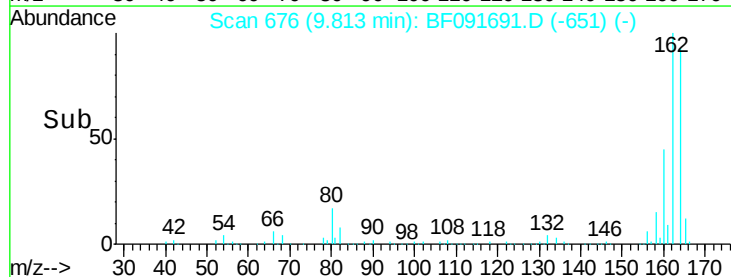
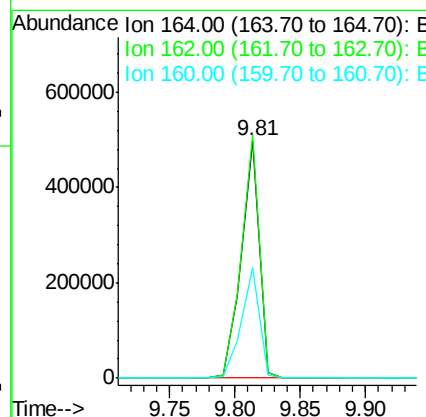
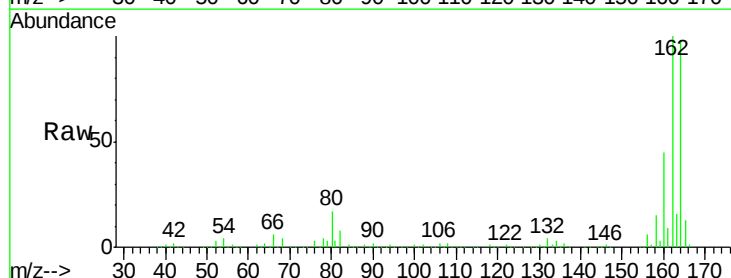
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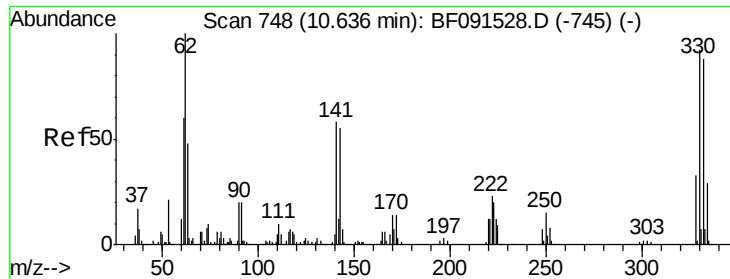
Tgt Ion: 82 Resp: 1461998
 Ion Ratio Lower Upper
 82 100
 128 45.3 31.8 47.6
 54 45.9 49.1 73.7#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF091691.D
 Acq: 16 Dec 2016 23:45

Tgt Ion: 164 Resp: 474199
 Ion Ratio Lower Upper
 164 100
 162 102.4 82.6 124.0
 160 46.3 36.7 55.1

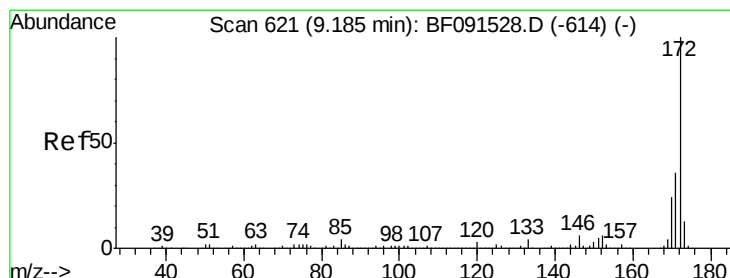
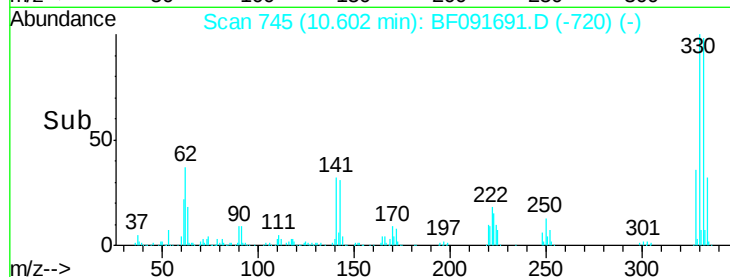
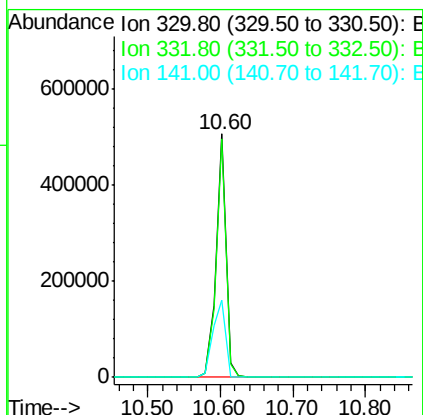
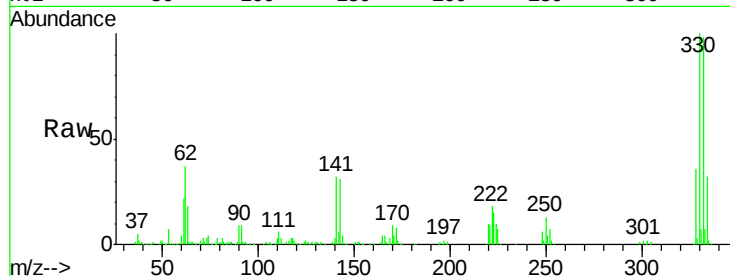




#41
 2,4,6-Tribromophenol
 Concen: 122.56 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF091691.D
 Acq: 16 Dec 2016 23:45

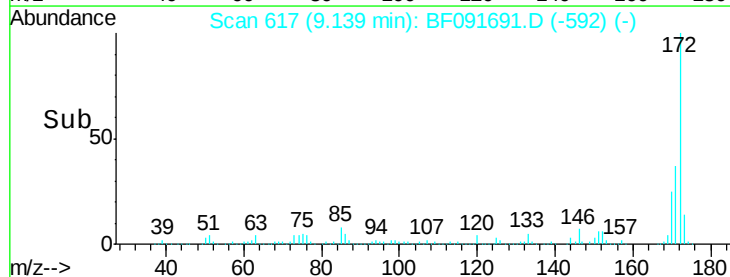
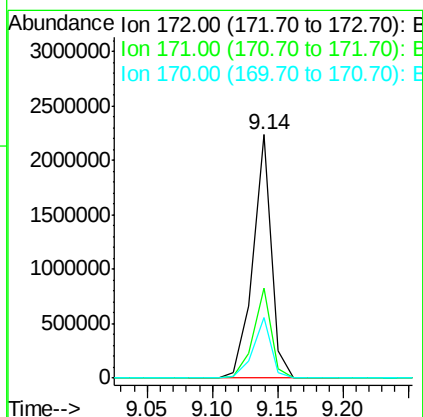
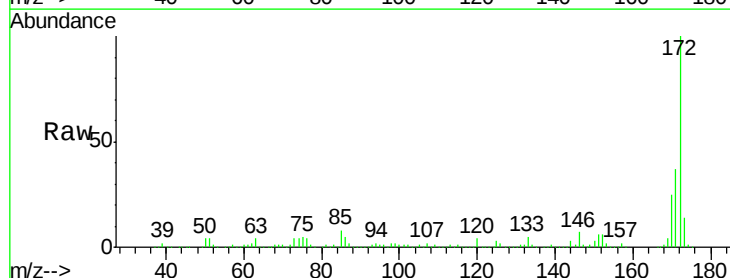
Instrument :
 BNA_F
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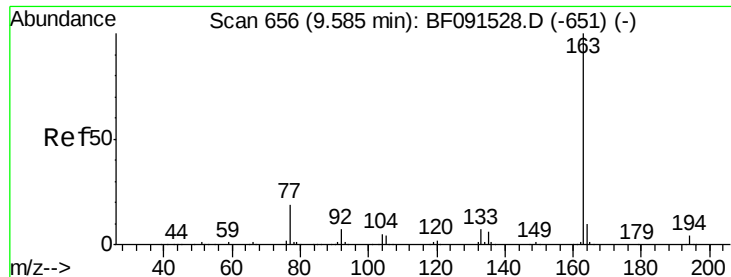
Tgt Ion:330 Resp: 482703
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.2 114.4
 141 40.1 33.6 50.4



#44
 2-Fluorobiphenyl
 Concen: 80.47 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF091691.D
 Acq: 16 Dec 2016 23:45

Tgt Ion:172 Resp: 2208405
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.4 44.0
 170 25.0 19.7 29.5

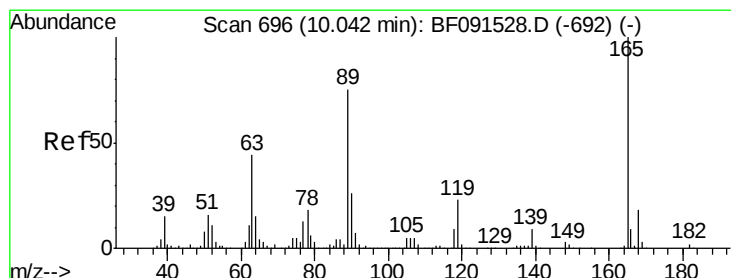
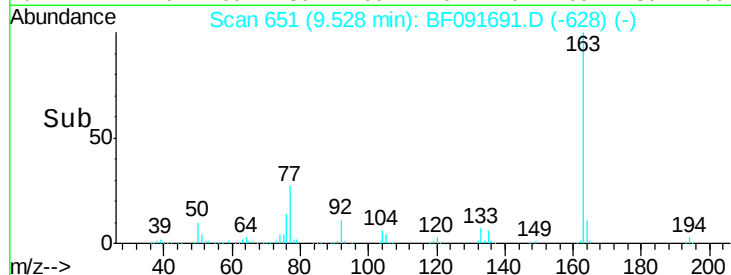
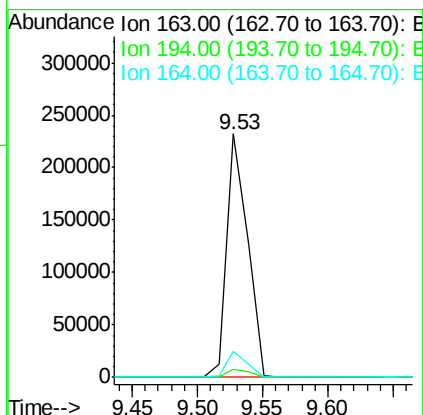
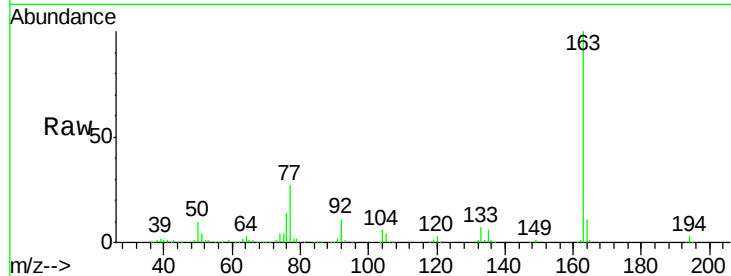




#49
Dimethylphthalate
Concen: 8.59 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.03 min
Lab File: BF091691.D
Acq: 16 Dec 2016 23:45

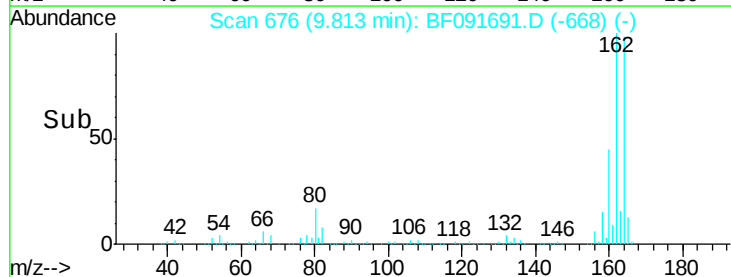
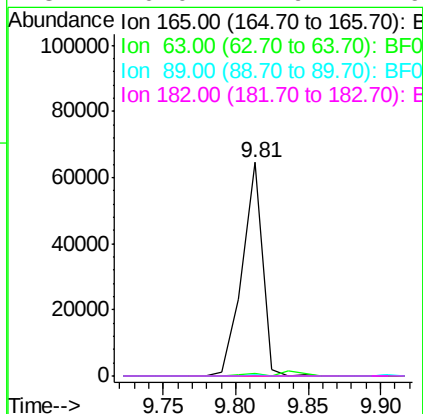
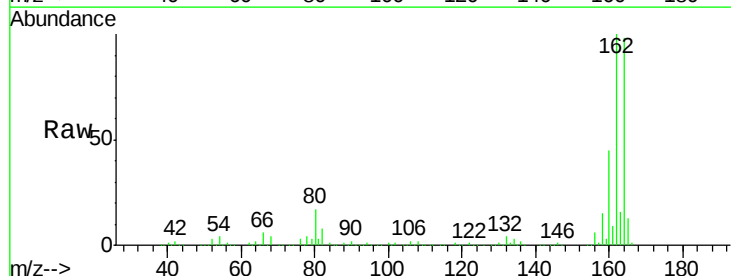
Instrument :
BNA_F
ClientSampleId :
EP-01-13

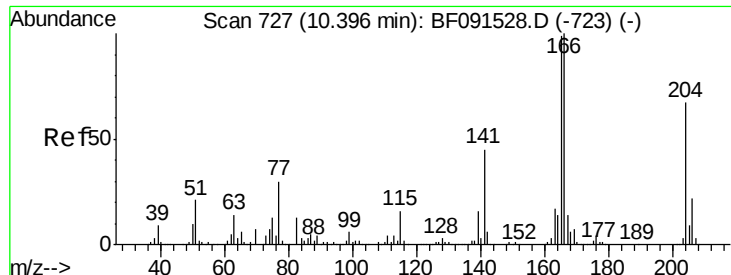
Tgt Ion:163 Resp: 257884
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.4
164 10.6 7.8 11.8



#56
2,4-Dinitrotoluene
Concen: 7.58 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.21 min
Lab File: BF091691.D
Acq: 16 Dec 2016 23:45

Tgt Ion:165 Resp: 62595
Ion Ratio Lower Upper
165 100
63 1.0 29.0 43.4#
89 0.9 43.1 64.7#
182 0.0 1.9 2.9#

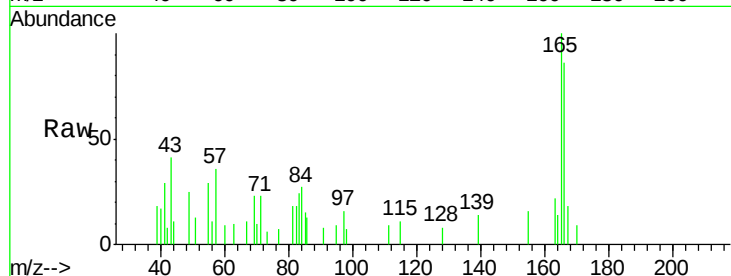




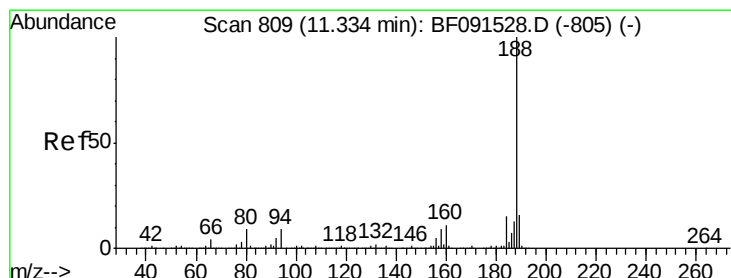
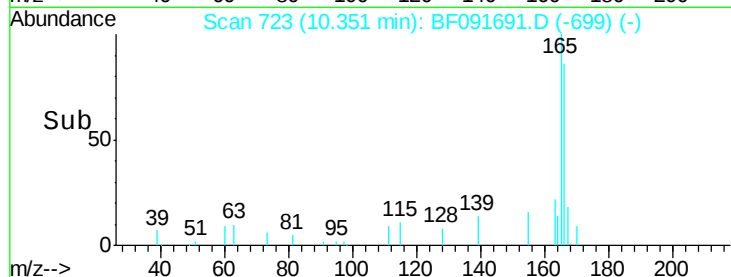
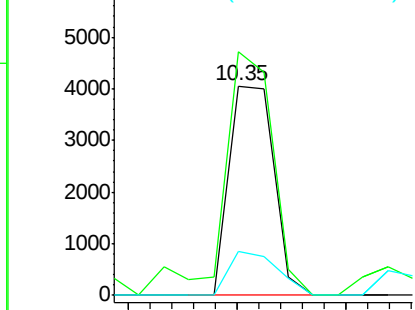
#57
 Fluorene
 Concen: Below Cal
 RT: 10.35 min Scan# 723
 Delta R.T. -0.02 min
 Lab File: BF091691.D
 Acq: 16 Dec 2016 23:45

Instrument :
 BNA_F
 ClientSampleId :
 EP-01-13

Tgt Ion:166 Resp: 5773
 Ion Ratio Lower Upper
 166 100
 165 116.3 80.0 120.0
 167 20.8 10.8 16.2#

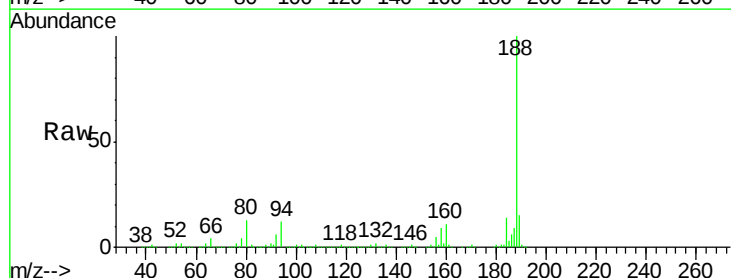


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

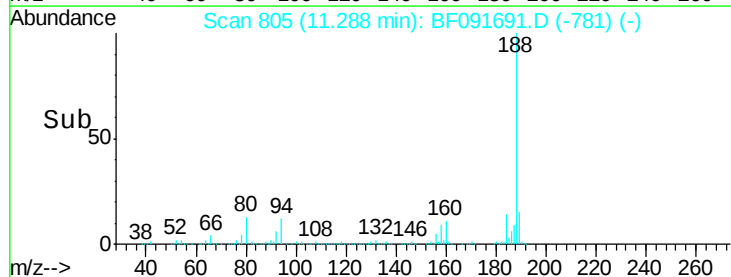
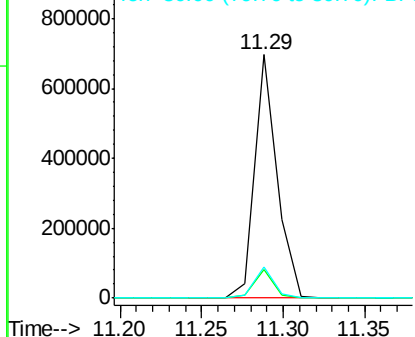


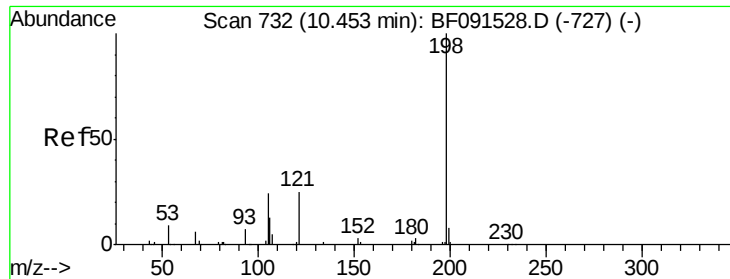
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 805
 Delta R.T. -0.02 min
 Lab File: BF091691.D
 Acq: 16 Dec 2016 23:45

Tgt Ion:188 Resp: 664863
 Ion Ratio Lower Upper
 188 100
 94 11.7 9.2 13.8
 80 12.8 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





#64

4,6-Dinitro-2-methylphenol

Concen: 3.22 ng

RT: 10.60 min Scan# 745

Delta R.T. 0.17 min

Lab File: BF091691.D

Acq: 16 Dec 2016 23:45

Instrument :

BNA_F

ClientSampled :

EP-01-13

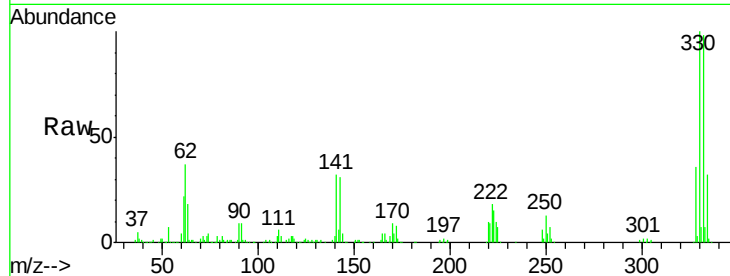
Tgt Ion:198 Resp: 1162

Ion Ratio Lower Upper

198 100

51 147.7 77.1 117.1#

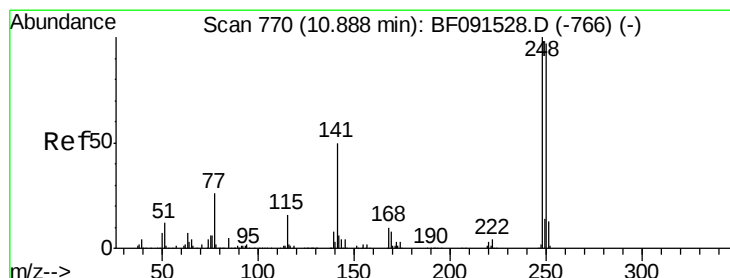
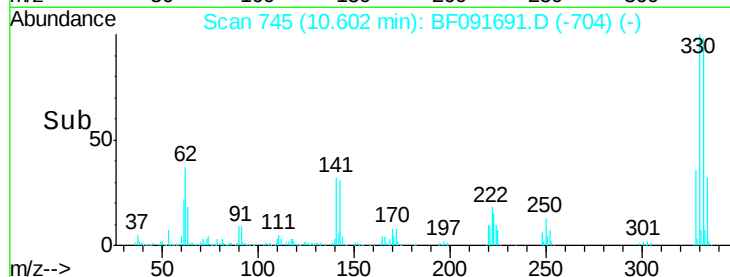
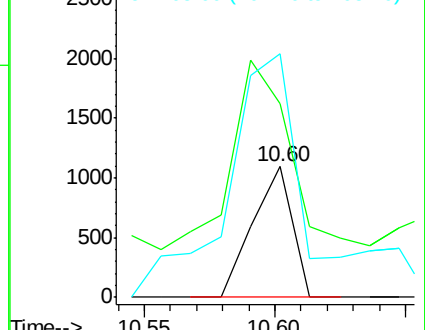
105 185.9 44.8 84.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.79 ng

RT: 10.60 min Scan# 745

Delta R.T. -0.25 min

Lab File: BF091691.D

Acq: 16 Dec 2016 23:45

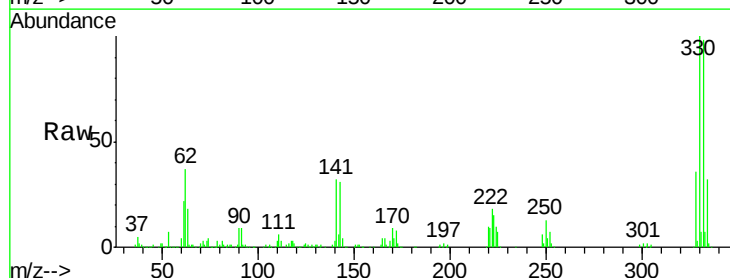
Tgt Ion:248 Resp: 32670

Ion Ratio Lower Upper

248 100

250 202.9 78.2 117.4#

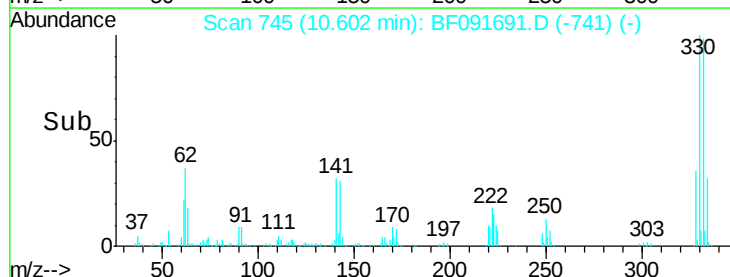
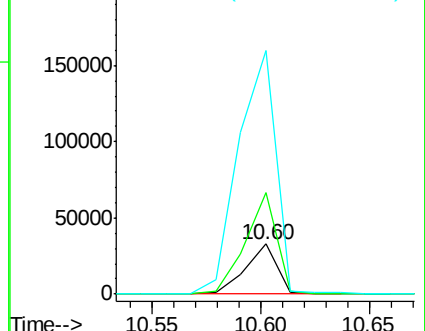
141 486.7 71.9 107.9#

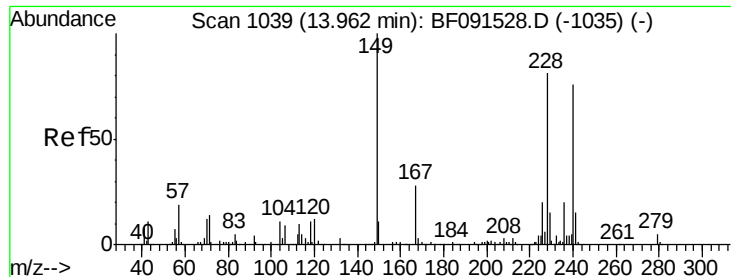


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.92 min Scan# 1035

Delta R.T. -0.02 min

Lab File: BF091691.D

Acq: 16 Dec 2016 23:45

Instrument :

BNA_F

ClientSampleId :

EP-01-13

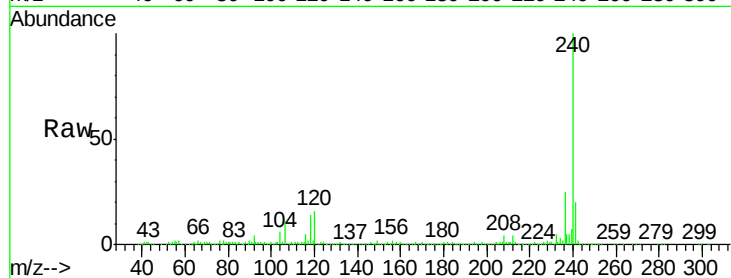
Tgt Ion:240 Resp: 521711

Ion Ratio Lower Upper

240 100

120 15.7 12.1 18.1

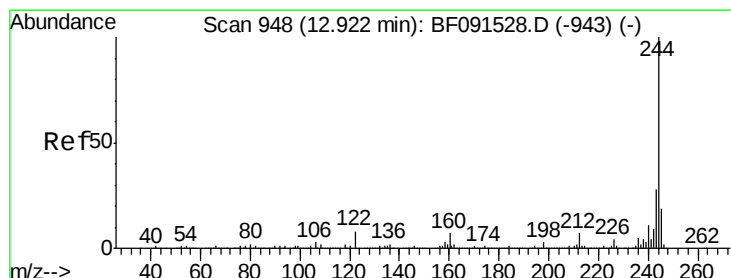
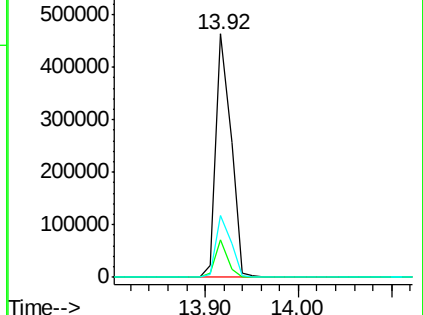
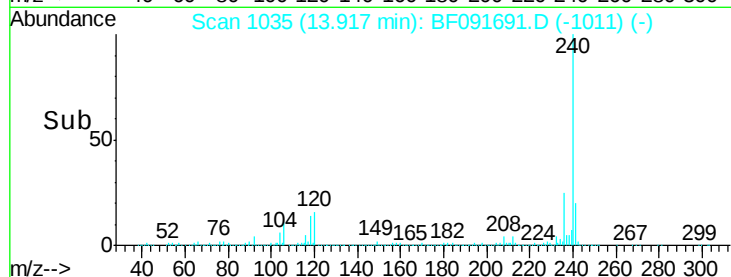
236 25.3 21.0 31.6



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: 71.73 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF091691.D

Acq: 16 Dec 2016 23:45

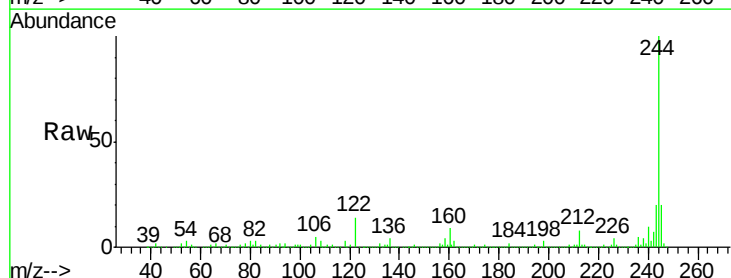
Tgt Ion:244 Resp: 1649207

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

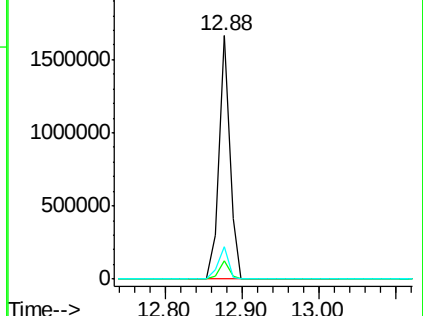
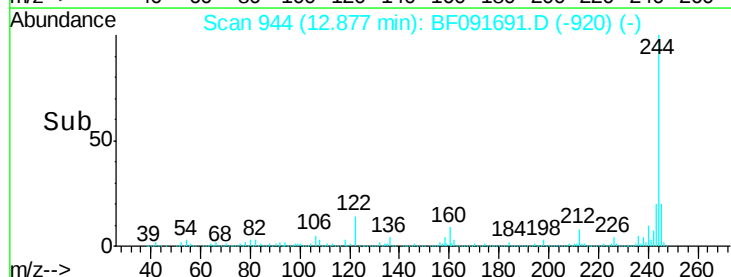
122 13.5 9.5 14.3

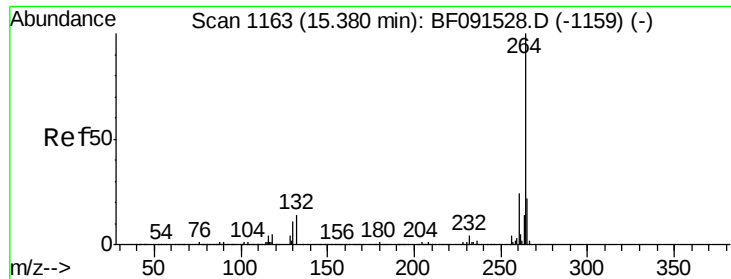


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.32 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BF091691.D
Acq: 16 Dec 2016 23:45

Instrument :
BNA_F
ClientSampleId :
EP-01-13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.8	28.2
265	21.1	17.0	25.6

