

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111616\
 Data File : BF091192.D
 Acq On : 16 Nov 2016 17:09
 Operator : UM/SJ
 Sample : H5636-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CPS043041

Quant Time: Nov 16 23:52:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	180644	20.00	ng	-0.05
21) Naphthalene-d8	7.90	136	783510	20.00	ng	-0.05
38) Acenaphthene-d10	9.65	164	383638	20.00	ng	-0.05
63) Phenanthrene-d10	11.14	188	712099	20.00	ng	-0.03
75) Chrysene-d12	13.77	240	568442	20.00	ng	-0.05
86) Perylene-d12	15.14	264	469145	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	567048	51.84	ng	-0.05
7) Phenol-d6	6.27	99	475008	32.00	ng	-0.05
23) Nitrobenzene-d5	7.20	82	1472797	102.54	ng	-0.05
41) 2,4,6-Tribromophenol	10.45	330	475603	137.13	ng	-0.03
44) 2-Fluorobiphenyl	8.99	172	2139903	96.03	ng	-0.05
78) Terphenyl-d14	12.74	244	2462278	108.09	ng	-0.02

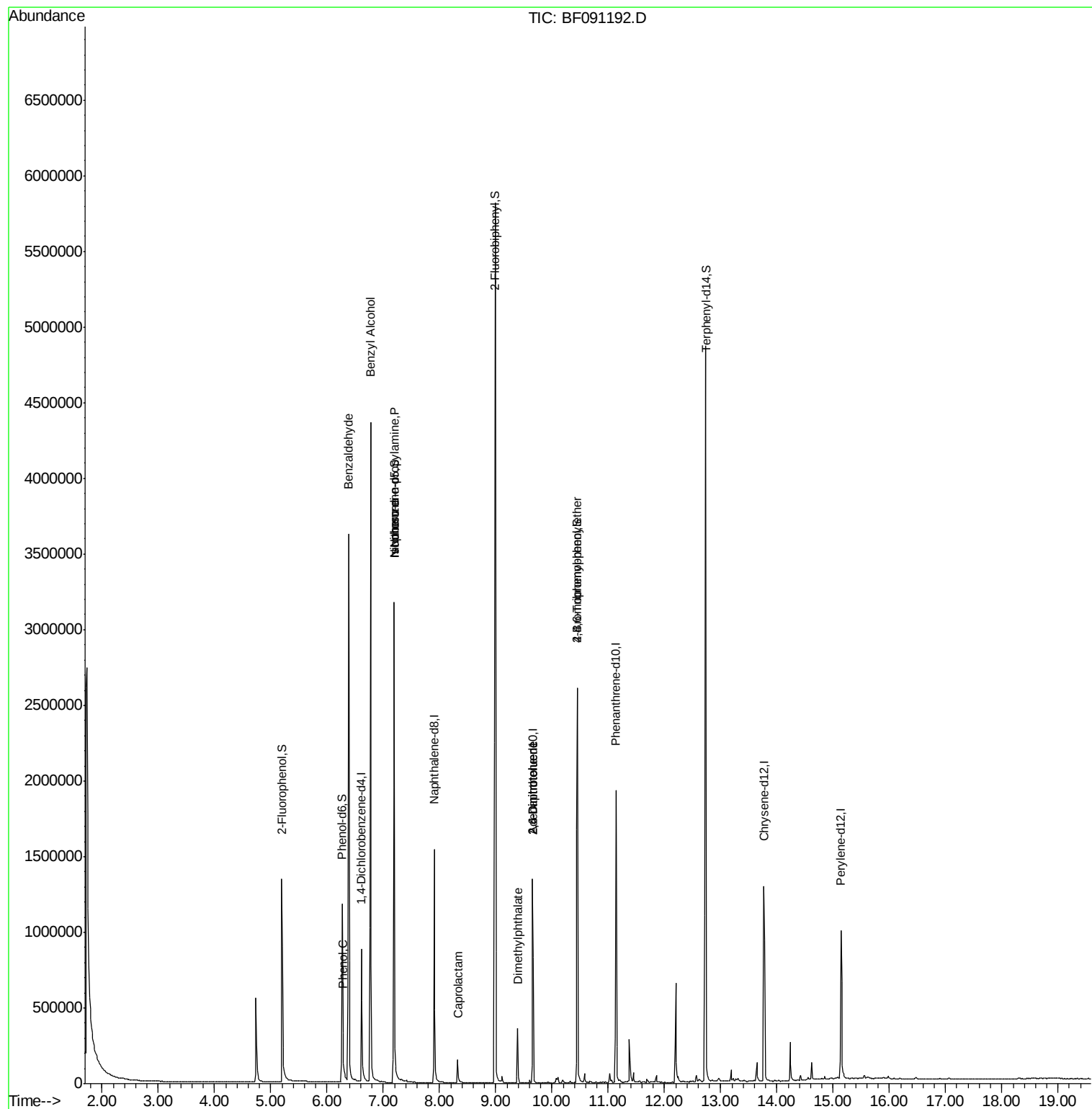
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.38	77	24395	2.96	ng	84
10) Phenol	6.28	94	44648	2.72	ng	# 67
15) Benzyl Alcohol	6.77	79	22398	2.14	ng	# 48
19) n-Nitroso-di-n-propylamine	7.20	70	200613	19.50	ng	# 76
25) Isophorone	7.20	82	1433248	51.79	ng	# 67
35) Caprolactam	8.33	113	23281	7.65	ng	# 71
49) Dimethylphthalate	9.39	163	145763	5.79	ng	98
50) 2,6-Dinitrotoluene	9.65	165	48139	8.93	ng	# 11
56) 2,4-Dinitrotoluene	9.65	165	48141	7.02	ng	# 26
66) 4-Bromophenyl-phenylether	10.45	248	31035	4.19	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: 6.61 min Scan# 431

Delta R.T. -0.05 min

Lab File: BF091192.D

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Instrument :

BNA_F

ClientSampleId :

CPS043041

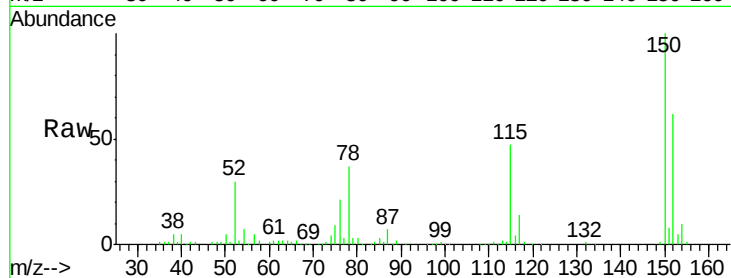
Tgt Ion:152 Resp: 180644

Ion Ratio Lower Upper

152 100

150 160.7 126.8 190.2

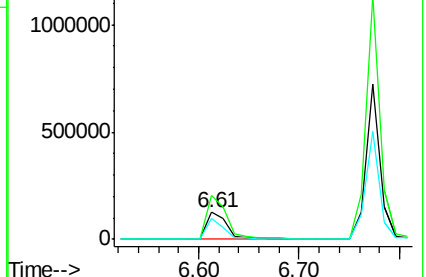
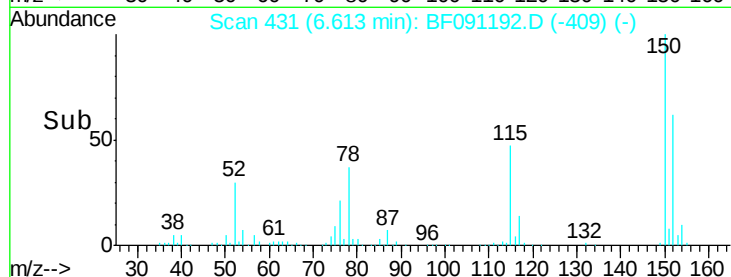
115 75.1 53.3 79.9



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: 51.84 ng

RT: 5.20 min Scan# 307

Delta R.T. -0.05 min

Lab File: BF091192.D

Acq: 16 Nov 2016 17:09

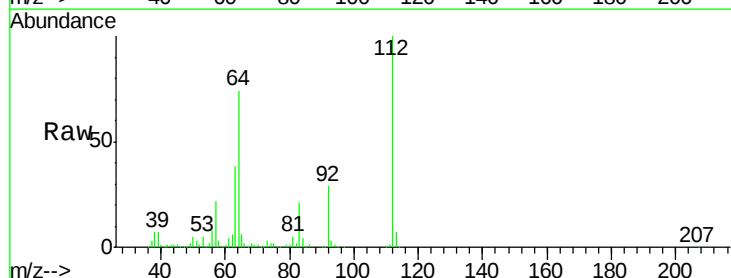
Tgt Ion:112 Resp: 567048

Ion Ratio Lower Upper

112 100

64 74.3 55.8 83.6

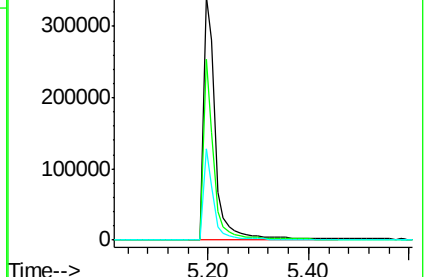
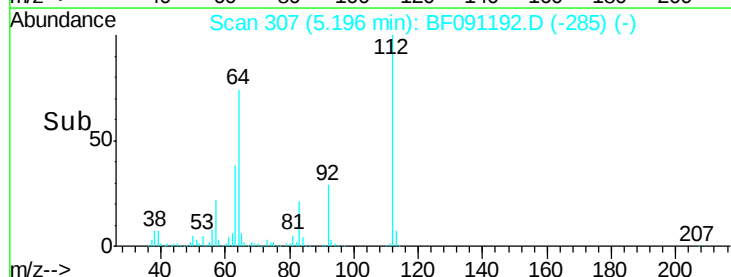
63 37.6 28.0 42.0

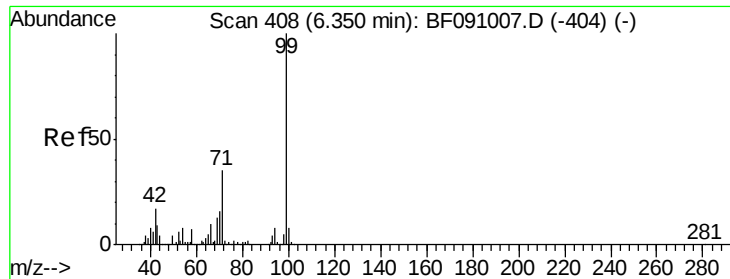


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 32.00 ng

RT: 6.27 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF091192.D

Acq: 16 Nov 2016 17:09

Instrument :

BNA_F

ClientSampleId :

CPS043041

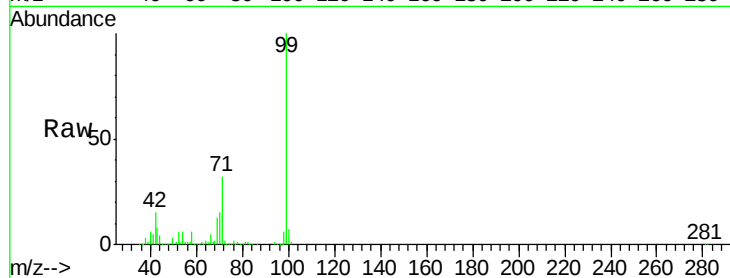
Tgt Ion: 99 Resp: 475008

Ion Ratio Lower Upper

99 100

42 15.1 13.9 20.9

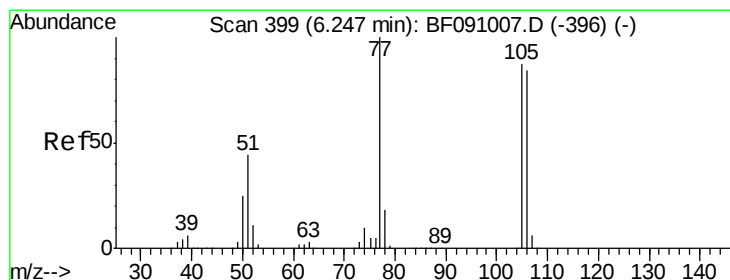
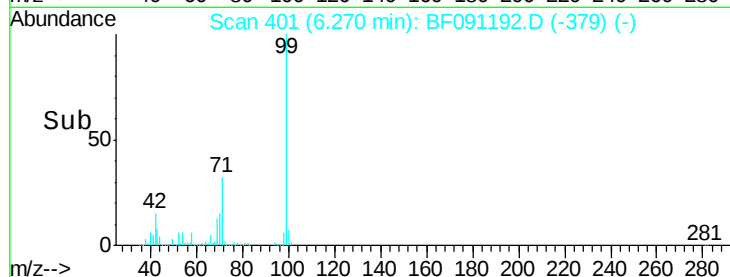
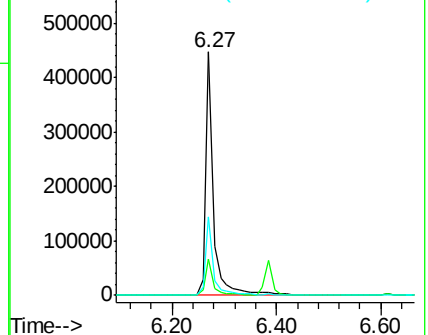
71 32.3 27.8 41.8



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: 2.96 ng

RT: 6.38 min Scan# 411

Delta R.T. 0.18 min

Lab File: BF091192.D

Acq: 16 Nov 2016 17:09

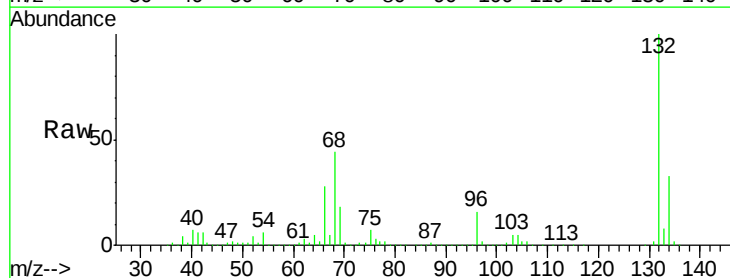
Tgt Ion: 77 Resp: 24395

Ion Ratio Lower Upper

77 100

105 73.9 66.8 106.8

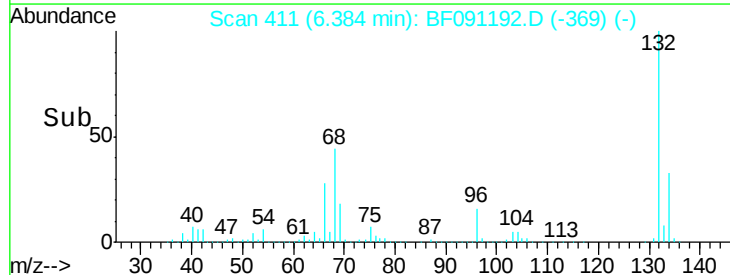
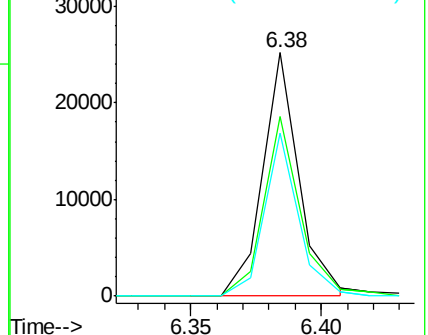
106 66.8 64.0 104.0

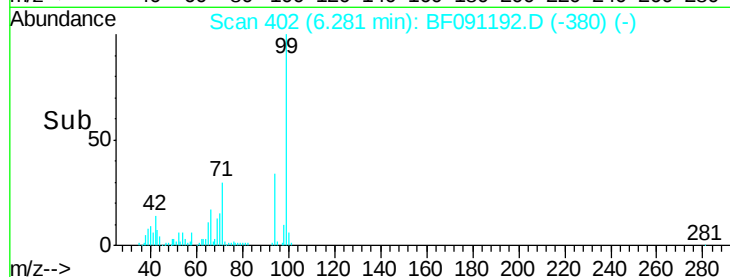
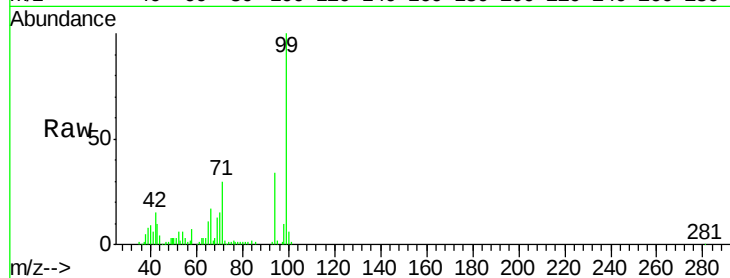
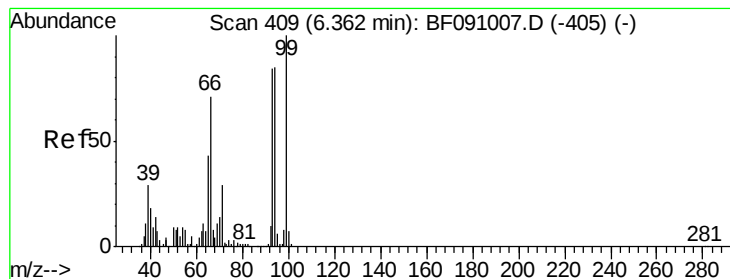


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 2.72 ng

RT: 6.28 min Scan# 402

Delta R.T. -0.05 min

Lab File: BF091192.D

Acq: 16 Nov 2016 17:09

Instrument :

BNA_F

ClientSampleId :

CPS043041

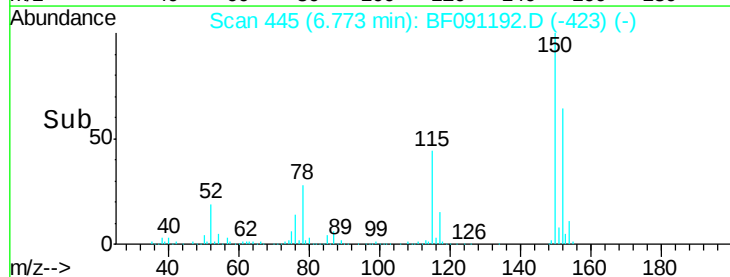
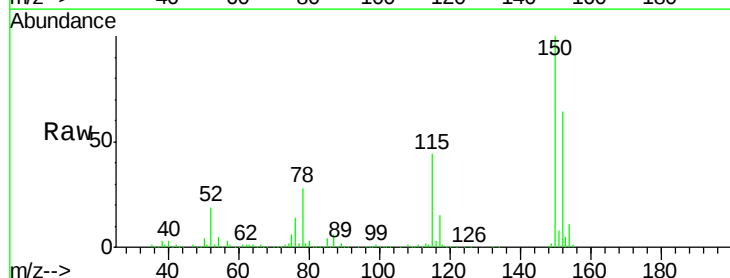
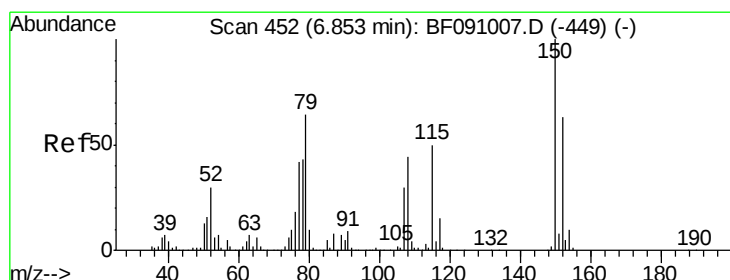
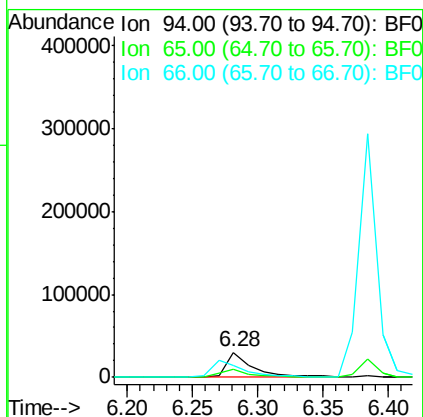
Tgt Ion: 94 Resp: 44648

Ion Ratio Lower Upper

94 100

65 31.6 30.4 70.4

66 49.4 62.9 102.9#



#15

Benzyl Alcohol

Concen: 2.14 ng

RT: 6.77 min Scan# 445

Delta R.T. -0.05 min

Lab File: BF091192.D

Acq: 16 Nov 2016 17:09

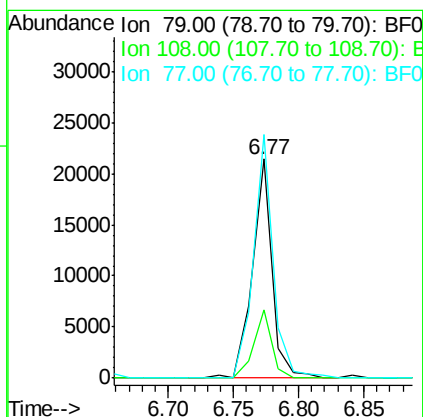
Tgt Ion: 79 Resp: 22398

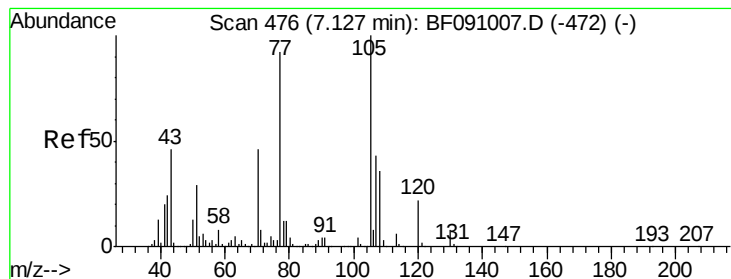
Ion Ratio Lower Upper

79 100

108 30.9 55.7 83.5#

77 111.1 52.6 79.0#





#19

n-Nitroso-di-n-propylamine

Concen: 19.50 ng

RT: 7.20 min Scan# 482

Delta R.T. 0.10 min

Lab File: BF091192.D

Acq: 16 Nov 2016 17:09

Instrument :

BNA_F

ClientSampleId :

CPS043041

Tgt Ion: 70 Resp: 200613

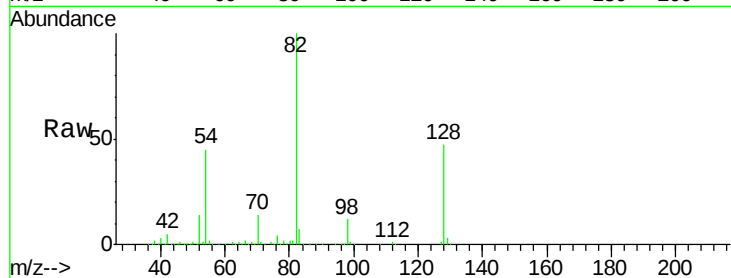
Ion Ratio Lower Upper

70 100

42 37.2 41.7 62.5#

101 0.0 6.7 10.1#

130 2.4 13.8 20.8#

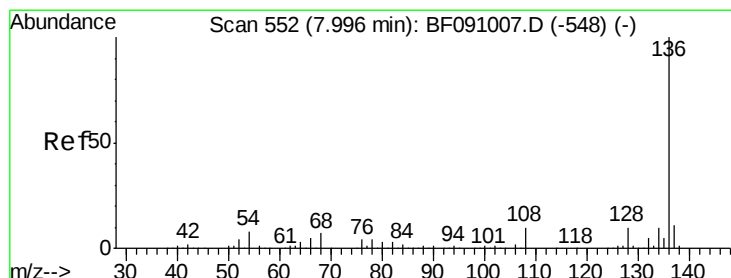
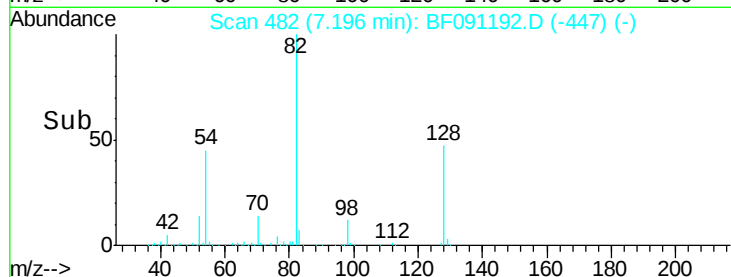
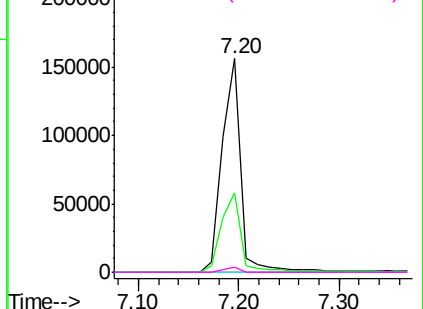


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 544

Delta R.T. -0.05 min

Lab File: BF091192.D

Acq: 16 Nov 2016 17:09

Tgt Ion: 136 Resp: 783510

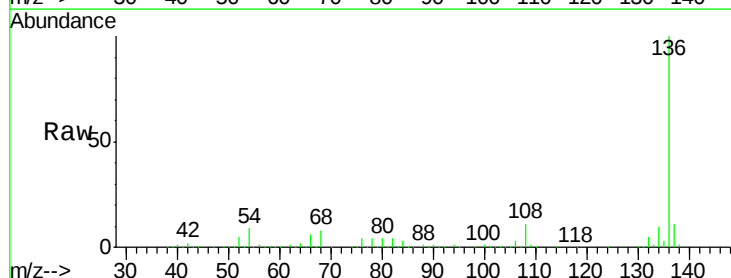
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 9.5 6.2 9.2#

68 8.0 5.5 8.3

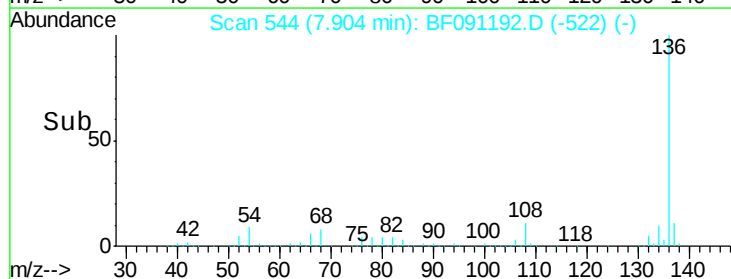
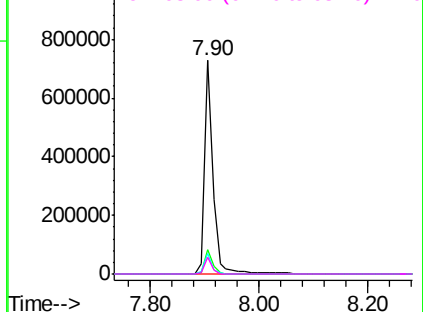


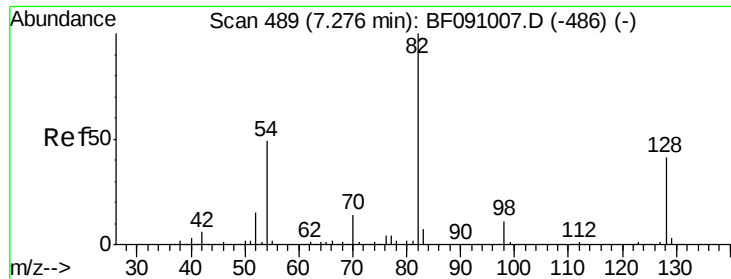
Abundance Ion 136.00 (135.70 to 136.70): E

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

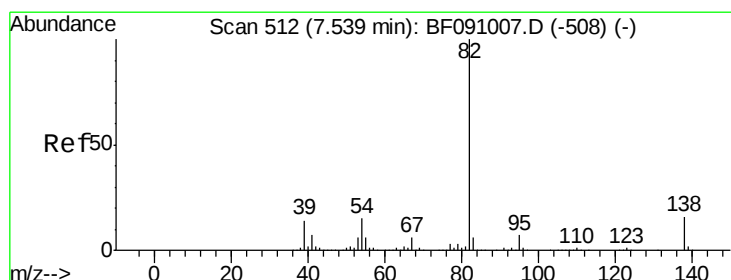
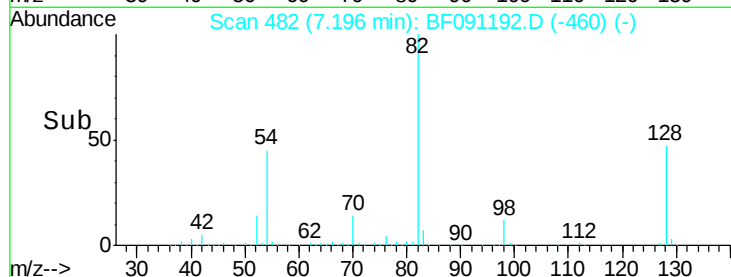
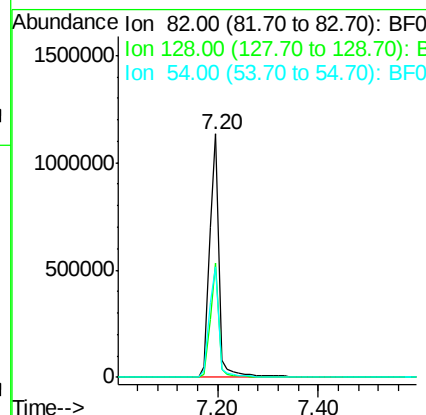
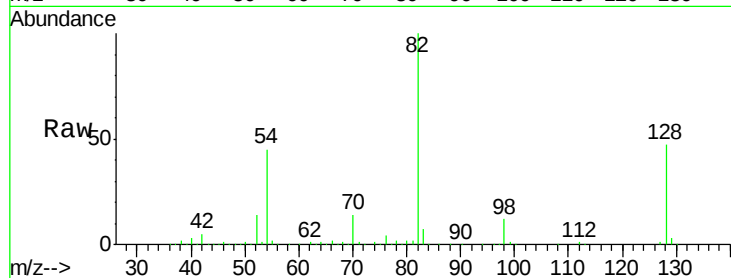




#23
 Nitrobenzene-d5
 Concen: 102.54 ng
 RT: 7.20 min Scan# 482
 Delta R.T. -0.05 min
 Lab File: BF091192.D
 Acq: 16 Nov 2016 17:09

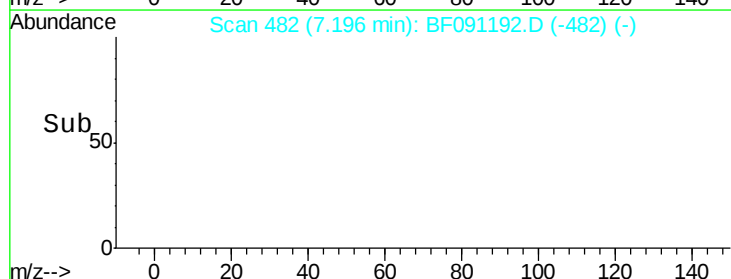
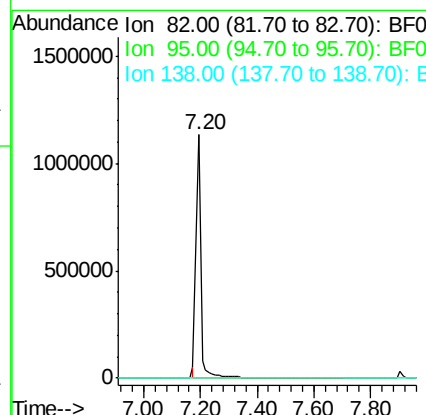
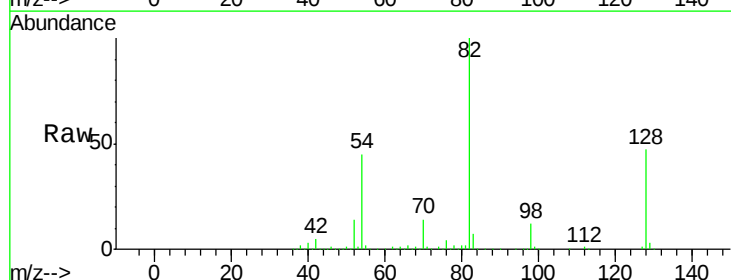
Instrument :
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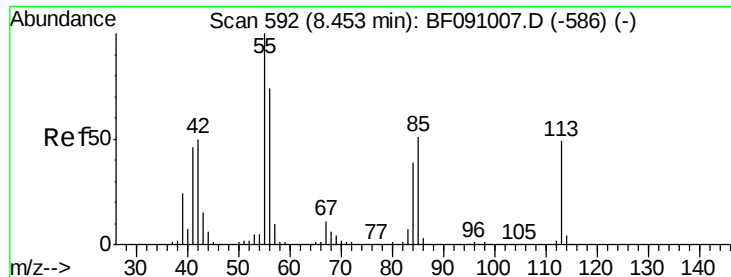
Tgt Ion: 82 Resp: 1472797
 Ion Ratio Lower Upper
 82 100
 128 46.7 32.4 48.6
 54 45.3 39.2 58.8



#25
 Isophorone
 Concen: 51.79 ng
 RT: 7.20 min Scan# 482
 Delta R.T. -0.30 min
 Lab File: BF091192.D
 Acq: 16 Nov 2016 17:09

Tgt Ion: 82 Resp: 1433248
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.0#
 138 0.0 13.0 19.4#

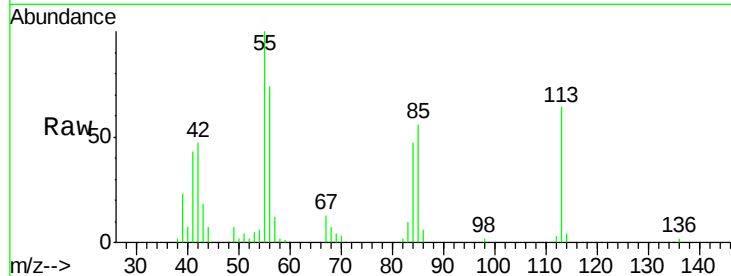




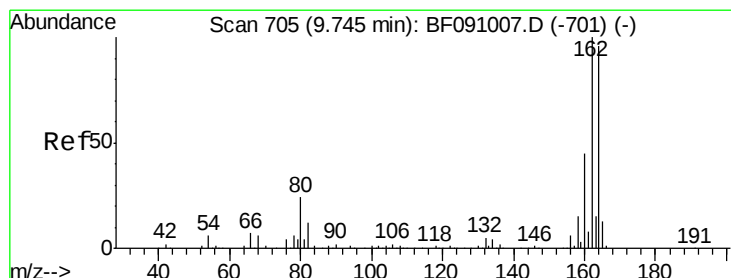
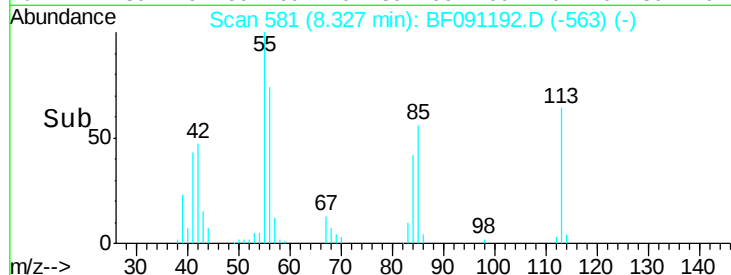
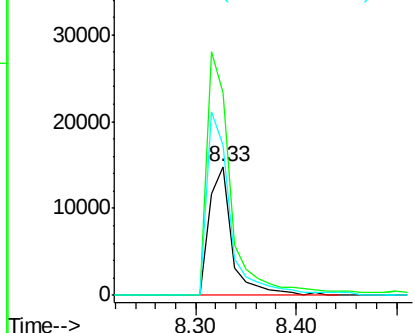
#35
 Caprolactam
 Concen: 7.65 ng
 RT: 8.33 min Scan# 581
 Delta R.T. -0.09 min
 Lab File: BF091192.D
 Acq: 16 Nov 2016 17:09

Instrument :
 BNA_F
 ClientSampleId :
 CPS043041

Tgt Ion:113 Resp: 23281
 Ion Ratio Lower Upper
 113 100
 55 157.0 184.1 224.1#
 56 116.9 132.0 172.0#

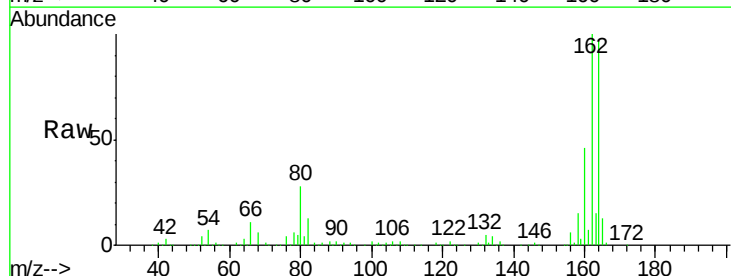


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

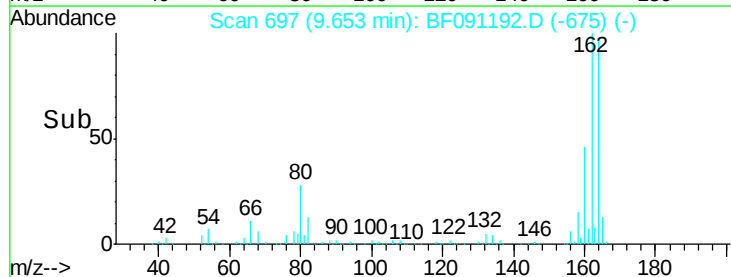
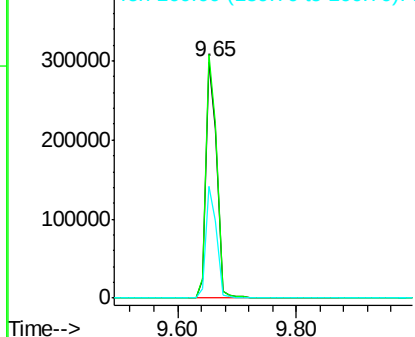


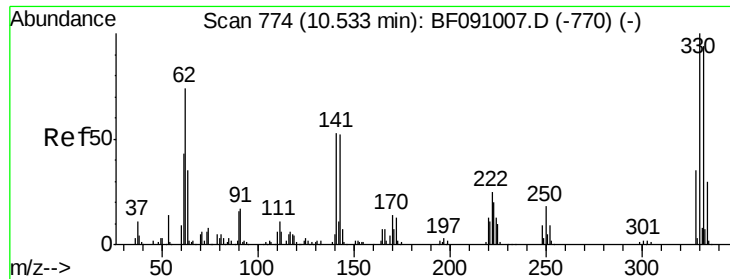
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.65 min Scan# 697
 Delta R.T. -0.05 min
 Lab File: BF091192.D
 Acq: 16 Nov 2016 17:09

Tgt Ion:164 Resp: 383638
 Ion Ratio Lower Upper
 164 100
 162 103.0 83.6 125.4
 160 47.3 37.9 56.9



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

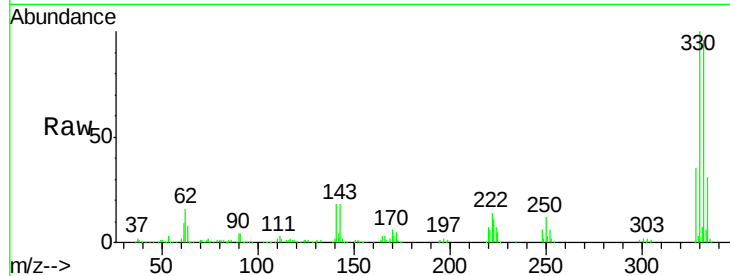




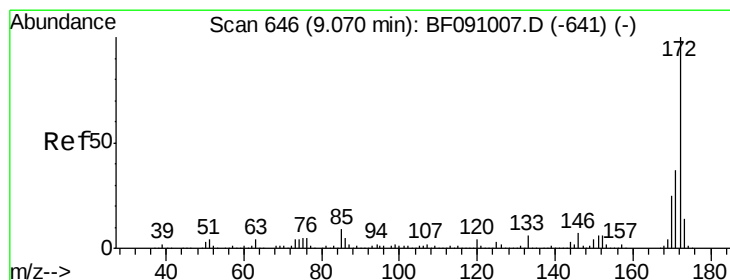
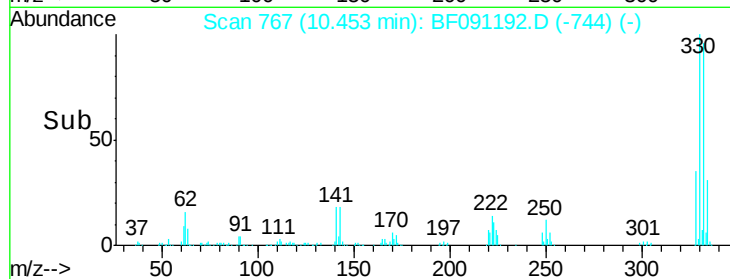
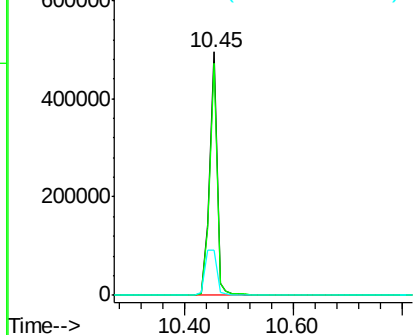
#41
 2,4,6-Tribromophenol
 Concen: 137.13 ng
 RT: 10.45 min Scan# 767
 Delta R.T. -0.03 min
 Lab File: BF091192.D
 Acq: 16 Nov 2016 17:09

Instrument :
 BNA_F
 ClientSampleId :
 CPS043041

Tgt Ion: 330 Resp: 475603
 Ion Ratio Lower Upper
 330 100
 332 95.8 75.9 113.9
 141 29.8 36.1 54.1#

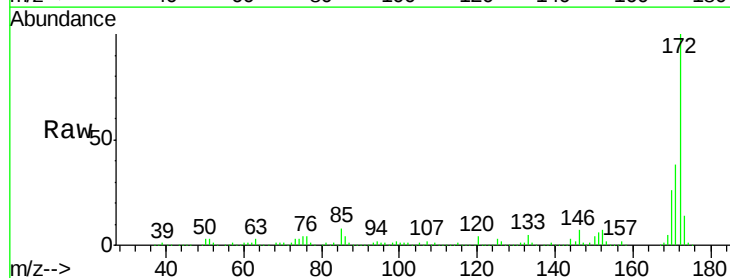


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

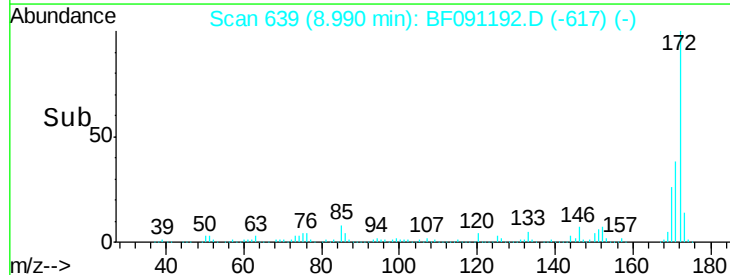
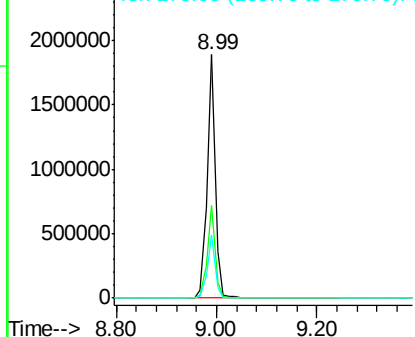


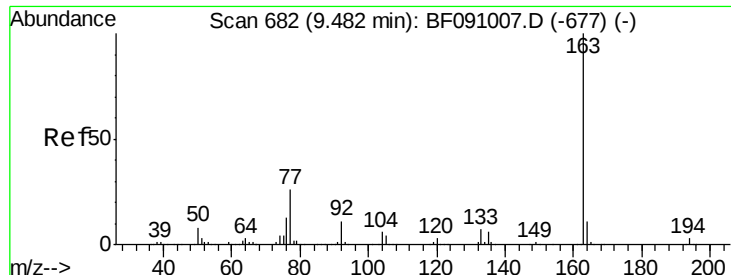
#44
 2-Fluorobiphenyl
 Concen: 96.03 ng
 RT: 8.99 min Scan# 639
 Delta R.T. -0.05 min
 Lab File: BF091192.D
 Acq: 16 Nov 2016 17:09

Tgt Ion: 172 Resp: 2139903
 Ion Ratio Lower Upper
 172 100
 171 38.1 29.8 44.6
 170 26.2 20.3 30.5



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

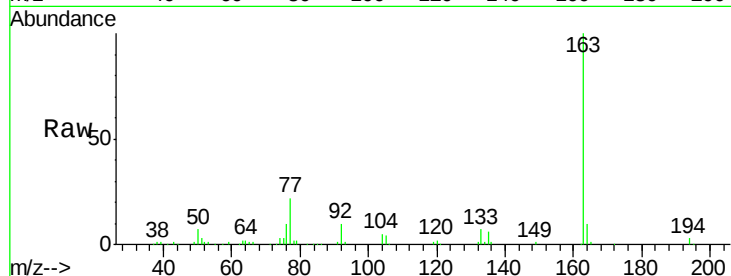




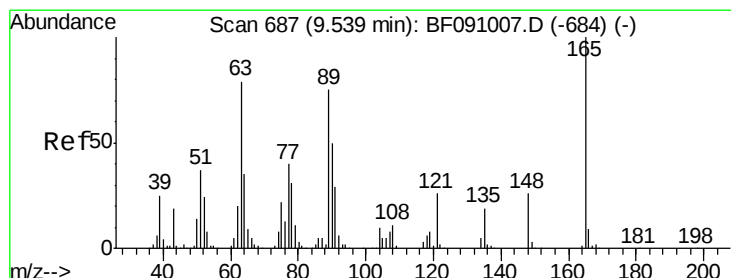
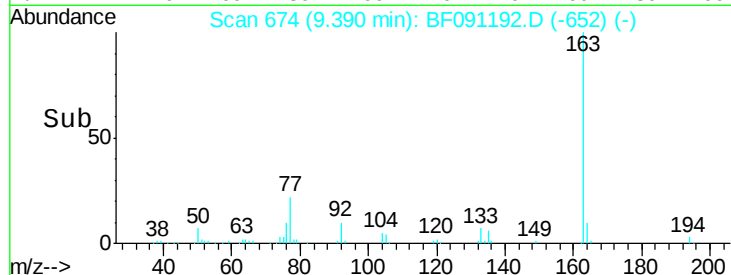
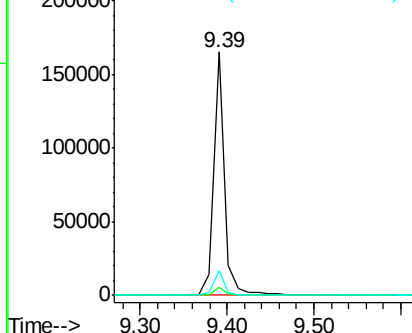
#49
Dimethylphthalate
Concen: 5.79 ng
RT: 9.39 min Scan# 674
Delta R.T. -0.05 min
Lab File: BF091192.D
Acq: 16 Nov 2016 17:09

Instrument :
BNA_F
ClientSampleId :
CPS043041

Tgt Ion:163 Resp: 145763
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.0 8.7 13.1

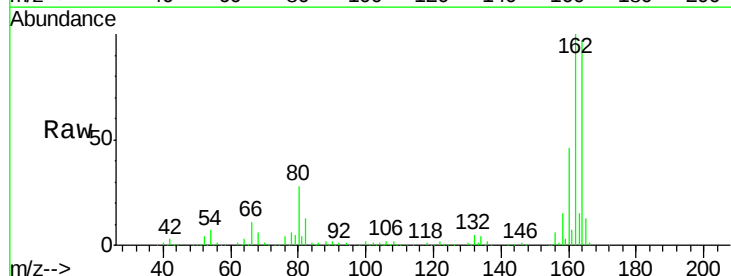


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

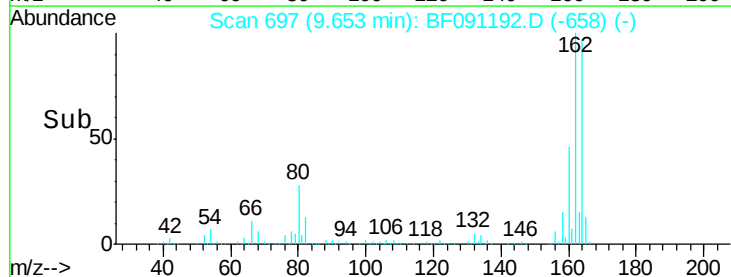
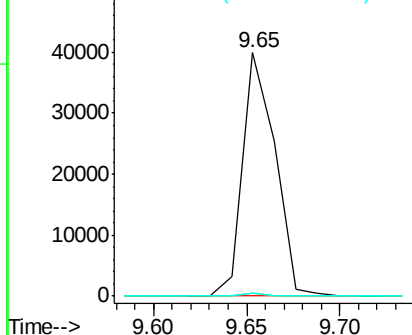


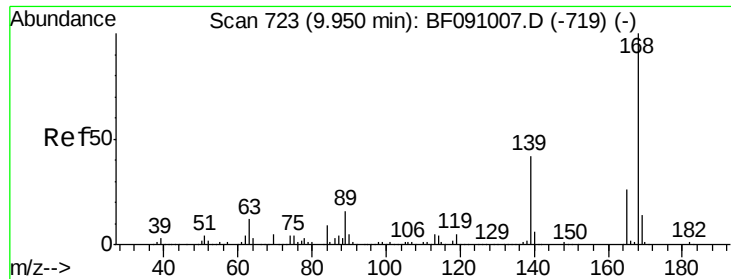
#50
2,6-Dinitrotoluene
Concen: 8.93 ng
RT: 9.65 min Scan# 697
Delta R.T. 0.15 min
Lab File: BF091192.D
Acq: 16 Nov 2016 17:09

Tgt Ion:165 Resp: 48139
Ion Ratio Lower Upper
165 100
63 1.2 65.6 98.4#
89 1.1 59.8 89.6#



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

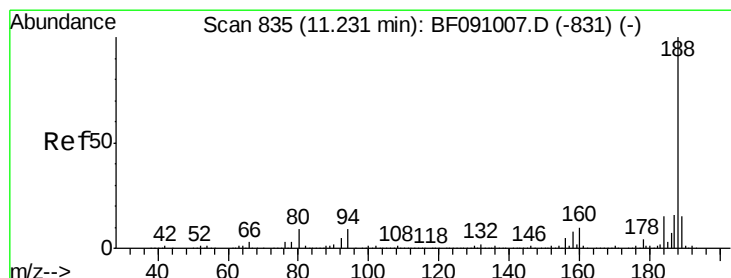
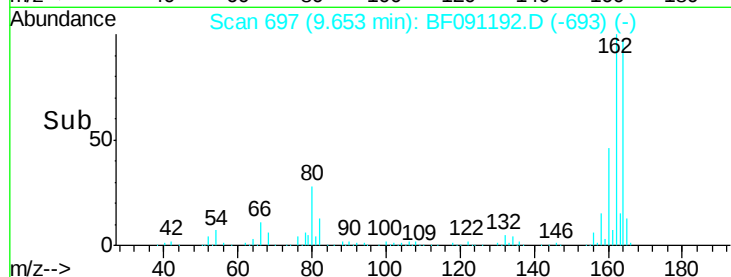
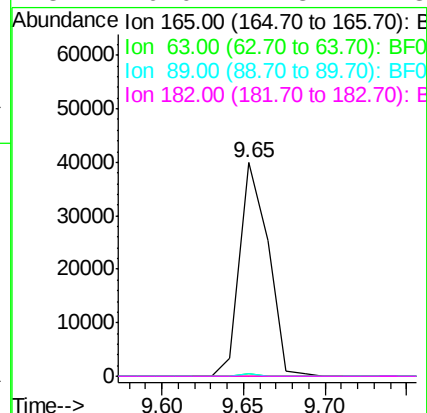
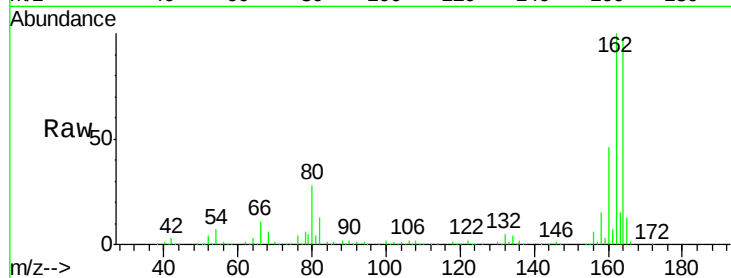




#56
2,4-Dinitrotoluene
Concen: 7.02 ng
RT: 9.65 min Scan# 697
Delta R.T. -0.25 min
Lab File: BF091192.D
Acq: 16 Nov 2016 17:09

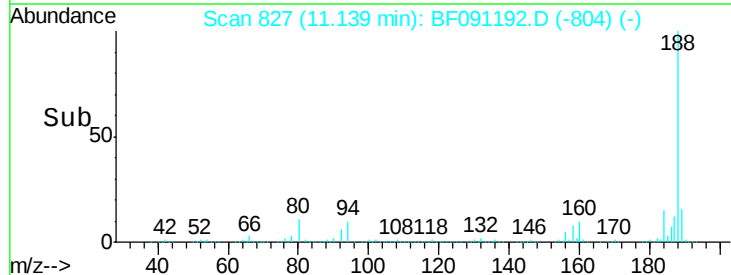
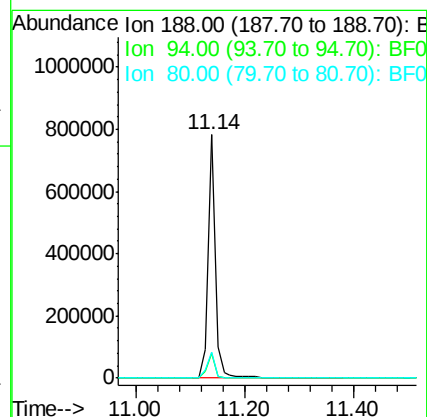
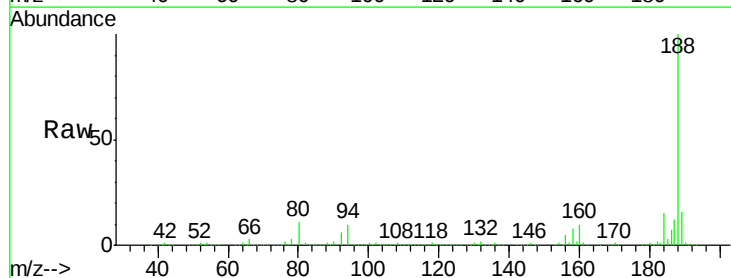
Instrument :
BNA_F
ClientSampleId :
CPS043041

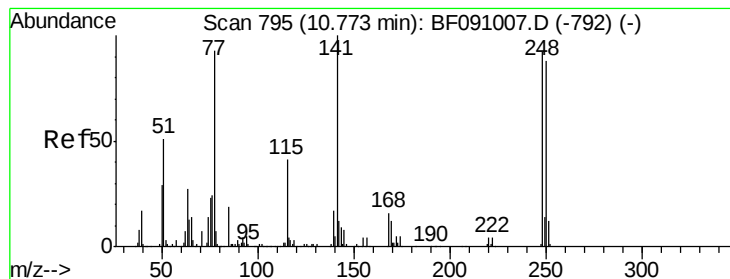
Tgt Ion:165 Resp: 48141
Ion Ratio Lower Upper
165 100
63 1.2 38.7 58.1#
89 1.1 50.6 76.0#
182 0.0 1.8 2.8#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 827
Delta R.T. -0.03 min
Lab File: BF091192.D
Acq: 16 Nov 2016 17:09

Tgt Ion:188 Resp: 712099
Ion Ratio Lower Upper
188 100
94 10.2 7.0 10.4
80 10.9 7.5 11.3





#66

4-Bromophenyl-phenylether

Concen: 4.19 ng

RT: 10.45 min Scan# 767

Delta R.T. -0.27 min

Lab File: BF091192.D

Acq: 16 Nov 2016 17:09

Instrument :

BNA_F

ClientSampleId :

CPS043041

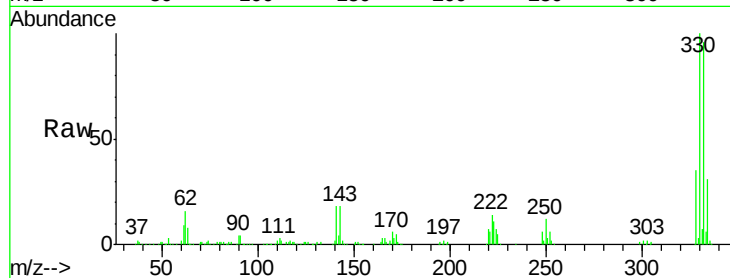
Tgt Ion:248 Resp: 31035

Ion Ratio Lower Upper

248 100

250 197.7 76.3 114.5#

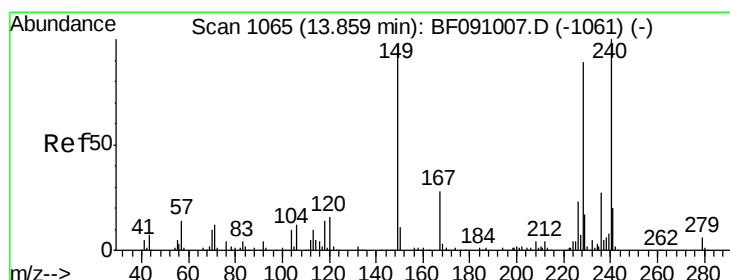
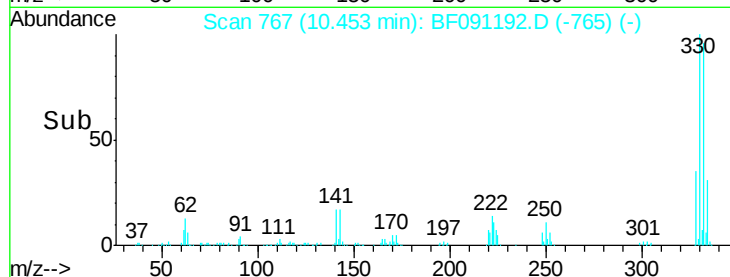
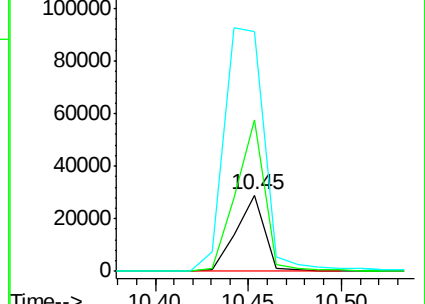
141 314.0 86.8 130.2#



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: 13.77 min Scan# 1057

Delta R.T. -0.05 min

Lab File: BF091192.D

Acq: 16 Nov 2016 17:09

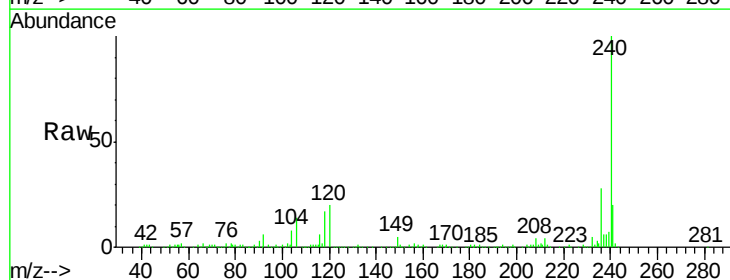
Tgt Ion:240 Resp: 568442

Ion Ratio Lower Upper

240 100

120 19.8 12.9 19.3#

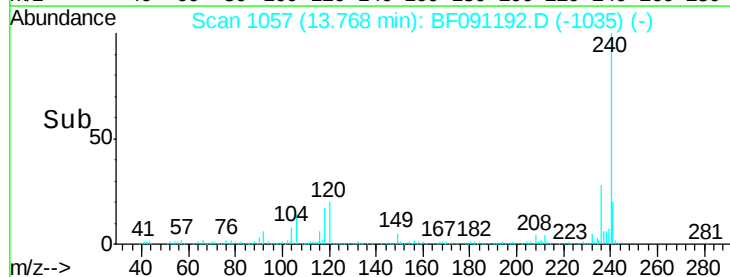
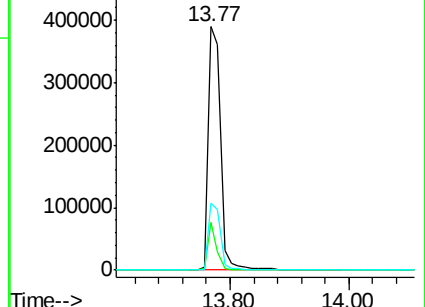
236 27.5 21.9 32.9

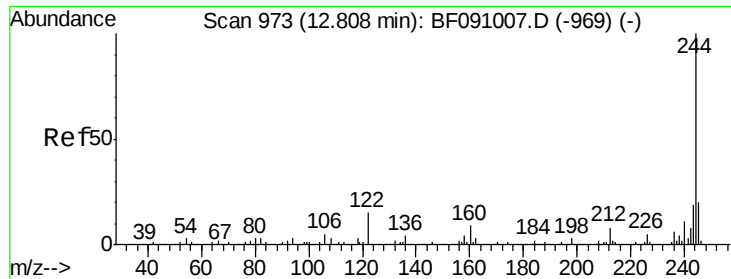


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

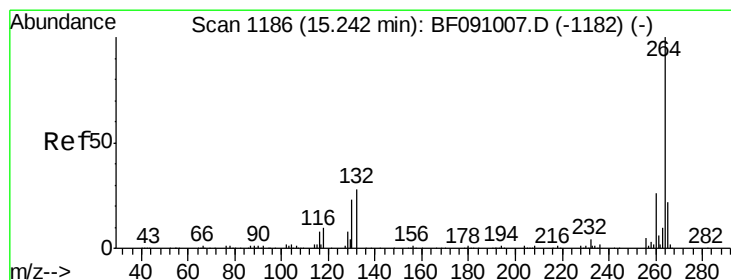
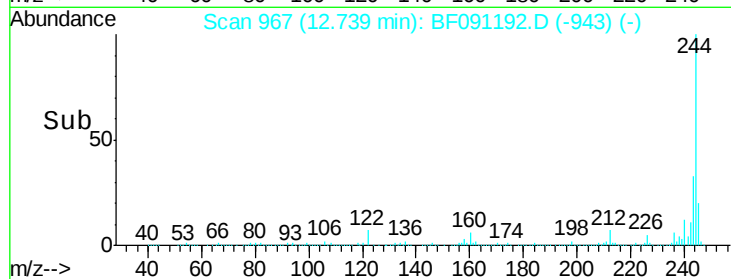
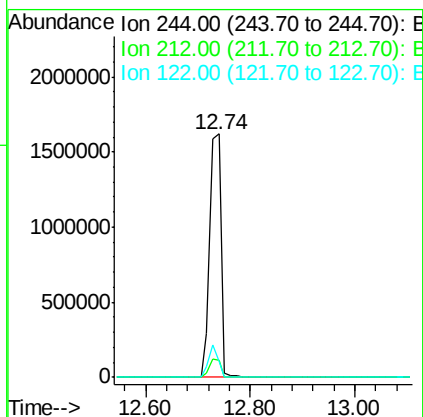
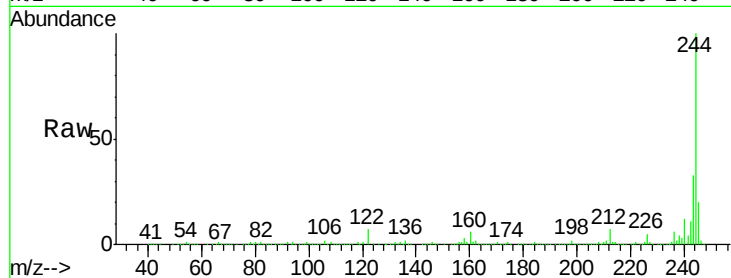




#78
 Terphenyl-d14
 Concen: 108.09 ng
 RT: 12.74 min Scan# 967
 Delta R.T. -0.02 min
 Lab File: BF091192.D
 Acq: 16 Nov 2016 17:09

Instrument :
 BNA_F
 ClientSampleId :
 CPS043041

Tgt Ion:244 Resp: 2462278
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.4 9.6
 122 6.6 12.3 18.5#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.14 min Scan# 1177
 Delta R.T. -0.05 min
 Lab File: BF091192.D
 Acq: 16 Nov 2016 17:09

Tgt Ion:264 Resp: 469145
 Ion Ratio Lower Upper
 264 100
 260 24.9 20.6 30.8
 265 21.7 17.8 26.8

