

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111516\
 Data File : BF091175.D
 Acq On : 15 Nov 2016 13:02
 Operator : UM/SJ
 Sample : H5636-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CPS073041

Quant Time: Nov 16 00:18:51 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	6.64	152	160341	20.00	ng	-0.02
21) Naphthalene-d8	7.92	136	687905	20.00	ng	-0.03
38) Acenaphthene-d10	9.66	164	365034	20.00	ng	-0.03
63) Phenanthrene-d10	11.15	188	676183	20.00	ng	-0.02
75) Chrysene-d12	13.78	240	576096	20.00	ng	-0.03
86) Perylene-d12	15.14	264	453493	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.22	112	729206	75.11	ng	-0.02
7) Phenol-d6	6.28	99	608146	46.15	ng	-0.03
23) Nitrobenzene-d5	7.21	82	1272074	100.88	ng	-0.03
41) 2,4,6-Tribromophenol	10.46	330	559088	169.41	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	1945208	91.74	ng	-0.03
78) Terphenyl-d14	12.74	244	2154917	93.34	ng	-0.02

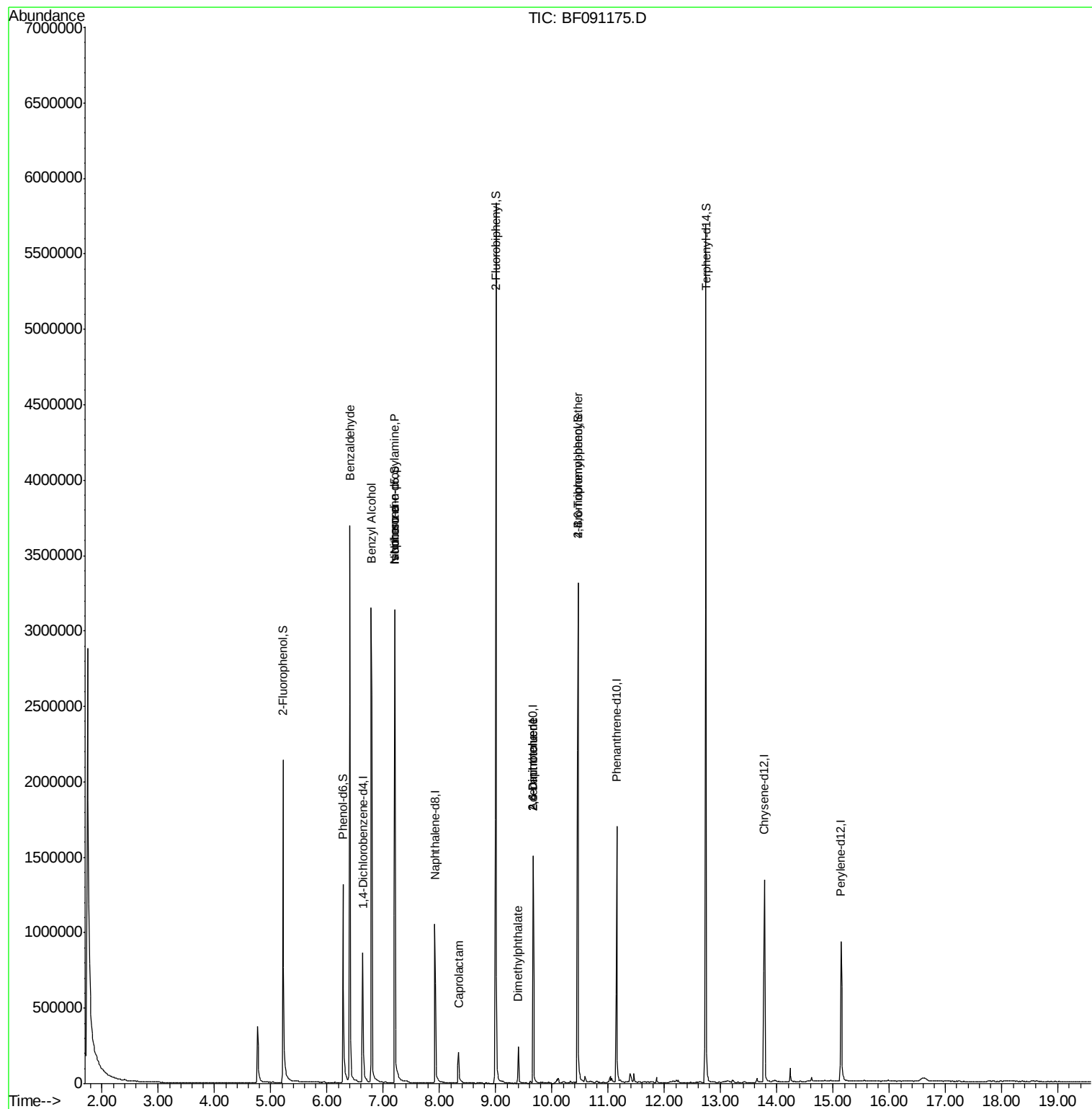
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.41	77	30715	4.20	ng	92
15) Benzyl Alcohol	6.78	79	20560	2.21	ng	# 52
19) n-Nitroso-di-n-propylamine	7.21	70	174243	19.08	ng	# 77
25) Isophorone	7.21	82	1273974	52.43	ng	# 67
35) Caprolactam	8.34	113	31819	11.91	ng	# 80
49) Dimethylphthalate	9.40	163	101838	4.25	ng	98
50) 2,6-Dinitrotoluene	9.66	165	46752	9.11	ng	# 12
56) 2,4-Dinitrotoluene	9.66	165	46754	7.16	ng	# 26
66) 4-Bromophenyl-phenylether	10.46	248	39101	5.56	ng	# 1

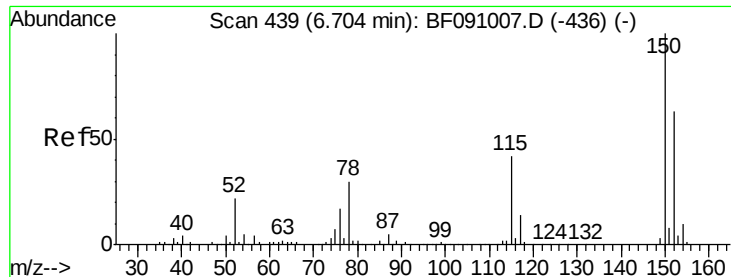
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 433

Delta R.T. -0.02 min

Lab File: BF091175.D

Acq: 15 Nov 2016 13:02

Instrument :

BNA_F

ClientSampleId :

CPS073041

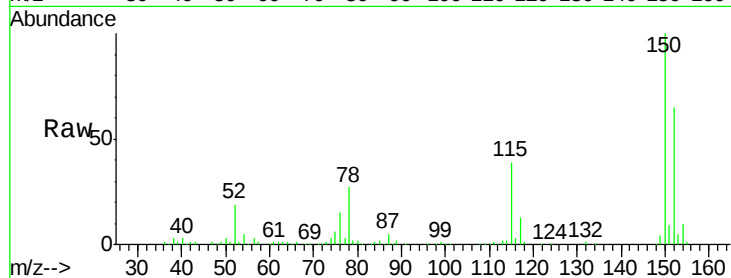
Tgt Ion:152 Resp: 160341

Ion Ratio Lower Upper

152 100

150 154.4 126.8 190.2

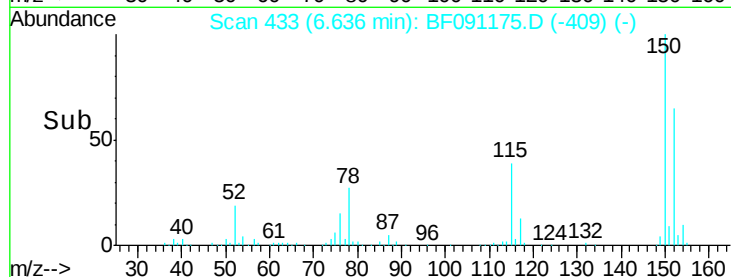
115 59.8 53.3 79.9



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



Time-->



#5

2-Fluorophenol

Concen: 75.11 ng

RT: 5.22 min Scan# 309

Delta R.T. -0.02 min

Lab File: BF091175.D

Acq: 15 Nov 2016 13:02

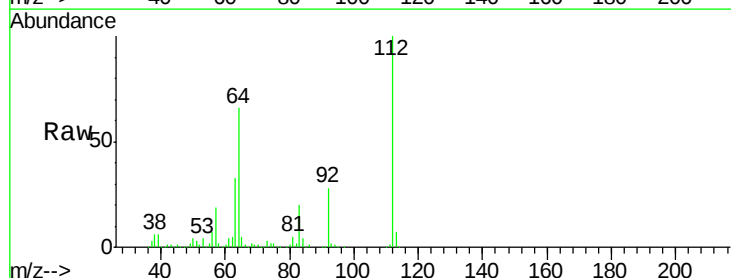
Tgt Ion:112 Resp: 729206

Ion Ratio Lower Upper

112 100

64 65.9 55.8 83.6

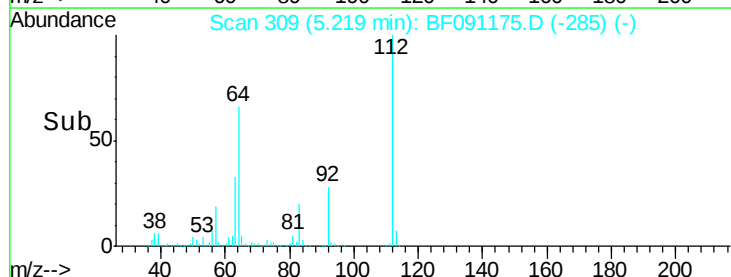
63 33.1 28.0 42.0



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



Time-->



#7

Phenol-d6

Concen: 46.15 ng

RT: 6.28 min Scan# 402

Delta R.T. -0.03 min

Lab File: BF091175.D

Acq: 15 Nov 2016 13:02

Instrument :

BNA_F

ClientSampleId :

CPS073041

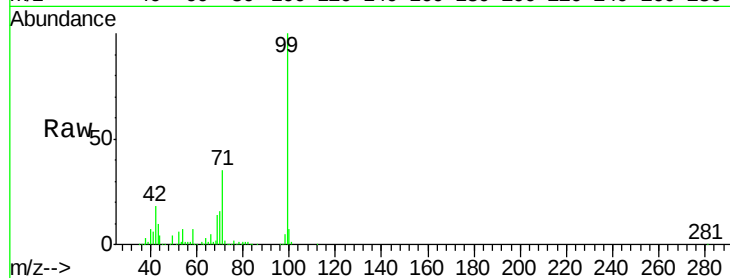
Tgt Ion: 99 Resp: 608146

Ion Ratio Lower Upper

99 100

42 18.3 13.9 20.9

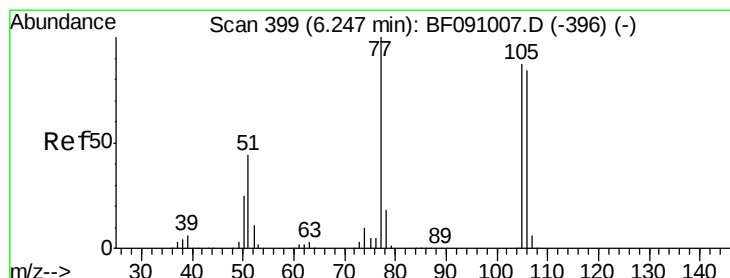
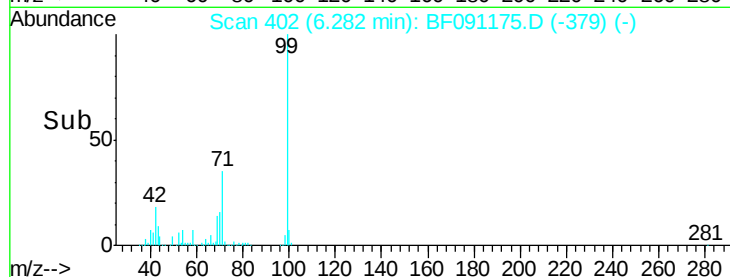
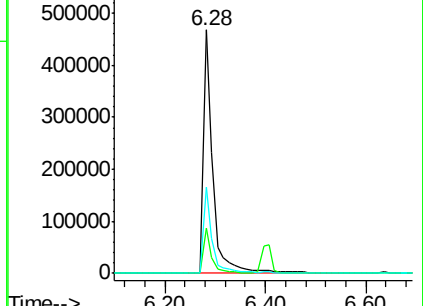
71 35.4 27.8 41.8



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: 4.20 ng

RT: 6.41 min Scan# 413

Delta R.T. 0.21 min

Lab File: BF091175.D

Acq: 15 Nov 2016 13:02

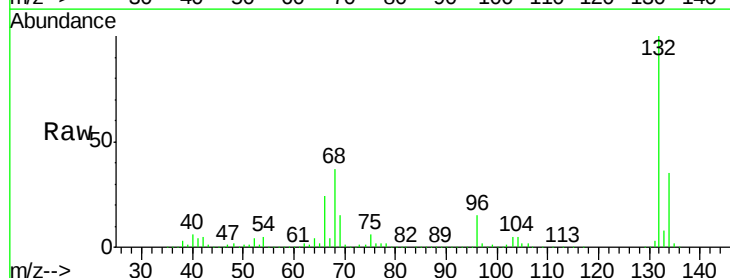
Tgt Ion: 77 Resp: 30715

Ion Ratio Lower Upper

77 100

105 83.2 66.8 106.8

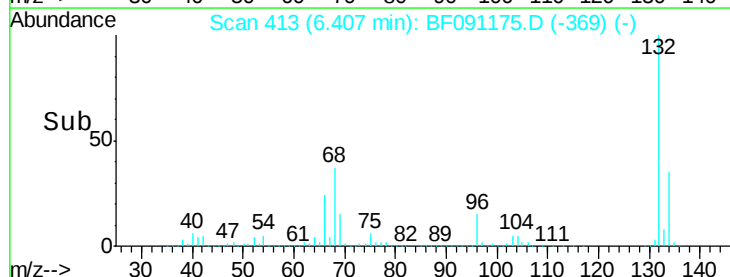
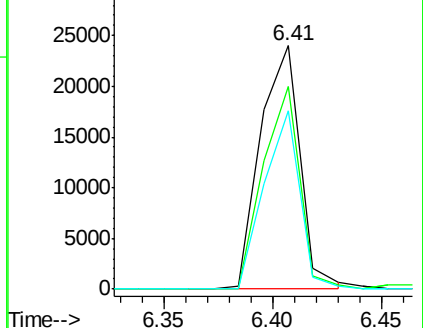
106 73.1 64.0 104.0

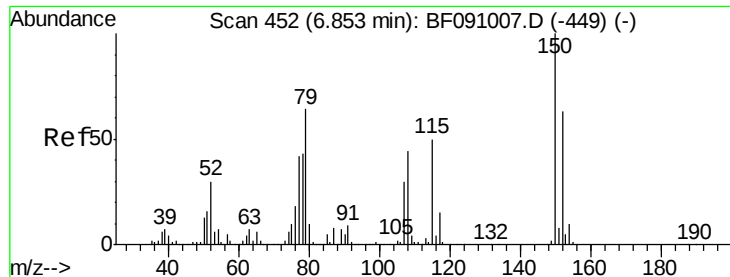


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.21 ng

RT: 6.78 min Scan# 446

Delta R.T. -0.03 min

Lab File: BF091175.D

Acq: 15 Nov 2016 13:02

Instrument :

BNA_F

ClientSampleId :

CPS073041

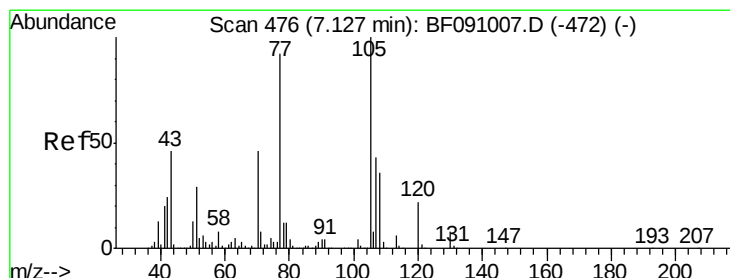
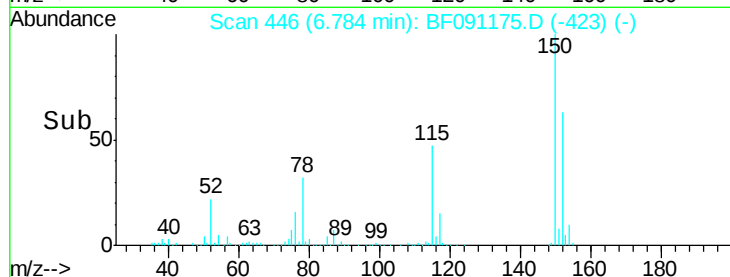
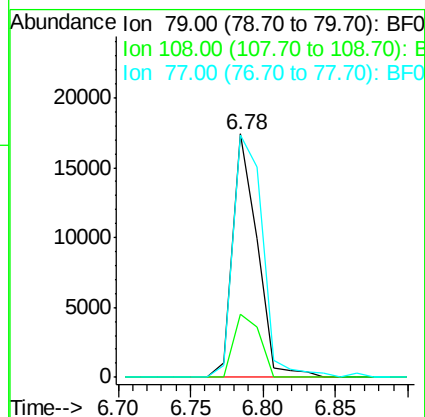
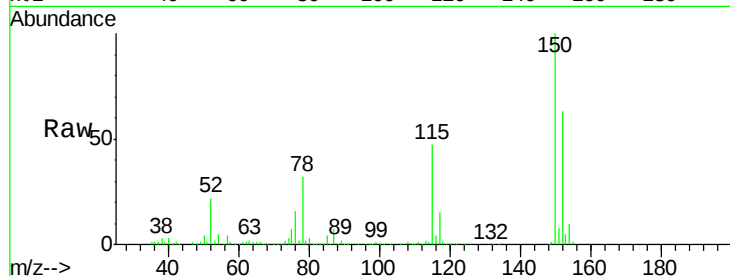
Tgt Ion: 79 Resp: 20560

Ion Ratio Lower Upper

79 100

108 26.1 55.7 83.5#

77 99.7 52.6 79.0#



#19

n-Nitroso-di-n-propylamine

Concen: 19.08 ng

RT: 7.21 min Scan# 483

Delta R.T. 0.11 min

Lab File: BF091175.D

Acq: 15 Nov 2016 13:02

Tgt Ion: 70 Resp: 174243

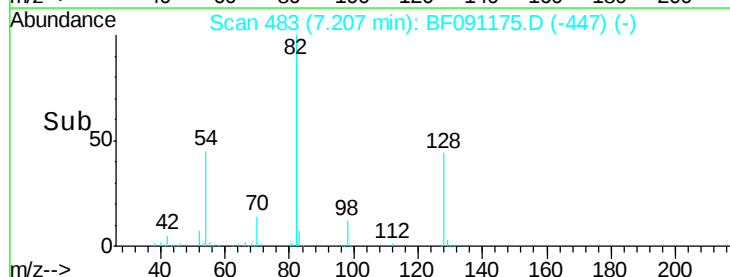
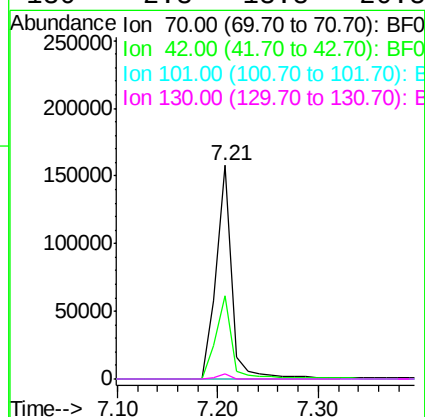
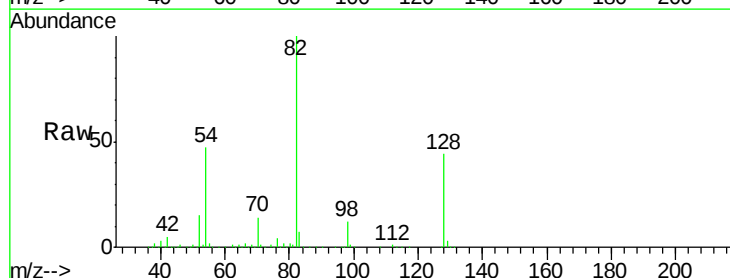
Ion Ratio Lower Upper

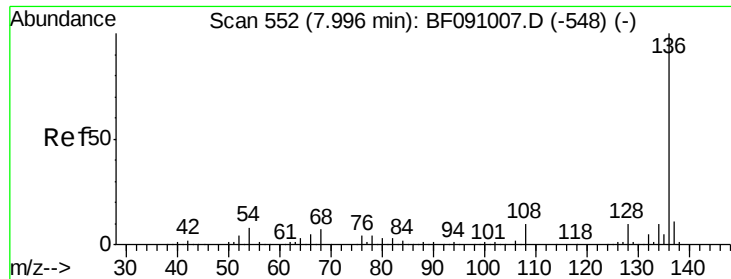
70 100

42 38.9 41.7 62.5#

101 0.0 6.7 10.1#

130 2.3 13.8 20.8#

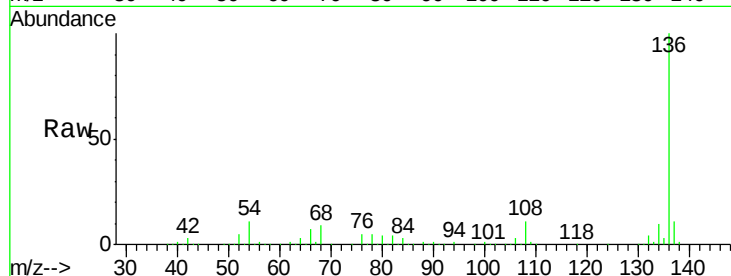




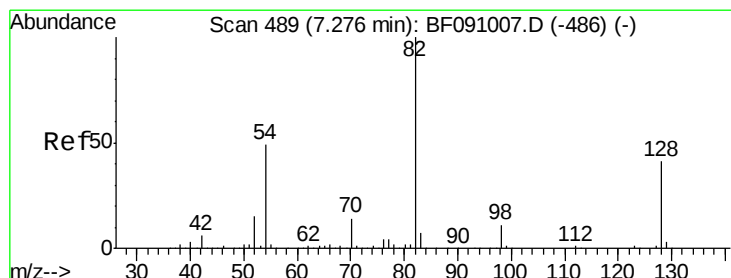
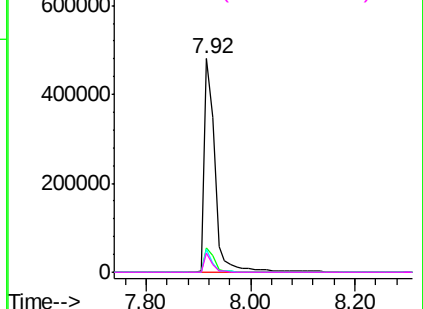
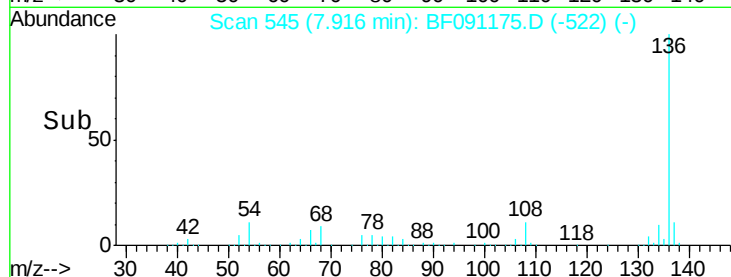
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 545
Delta R.T. -0.03 min
Lab File: BF091175.D
Acq: 15 Nov 2016 13:02

Instrument :
BNA_F
ClientSampleId :
CPS073041

Tgt Ion:	136	Resp:	687905
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	10.8	6.2	9.2#
68	8.9	5.5	8.3#

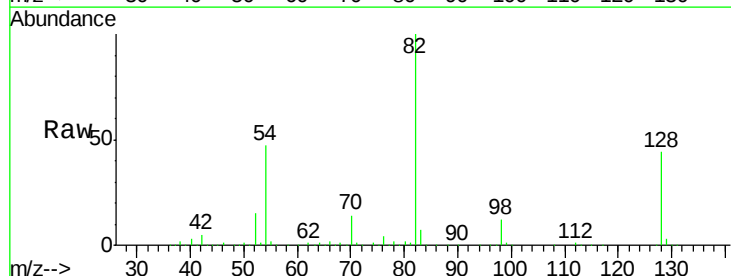


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

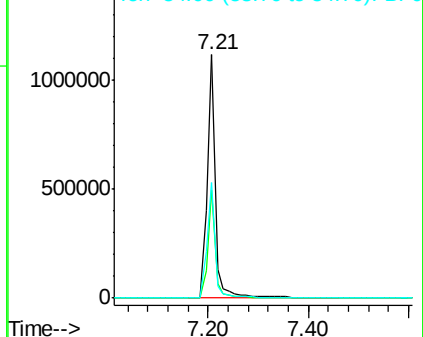
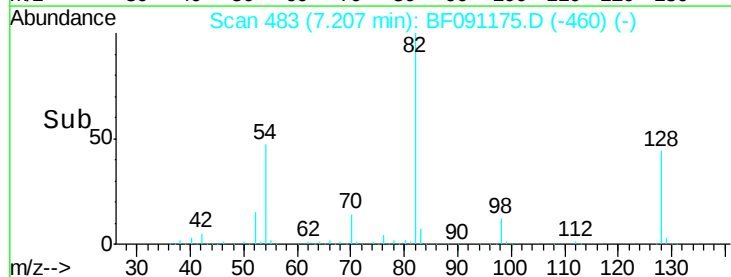


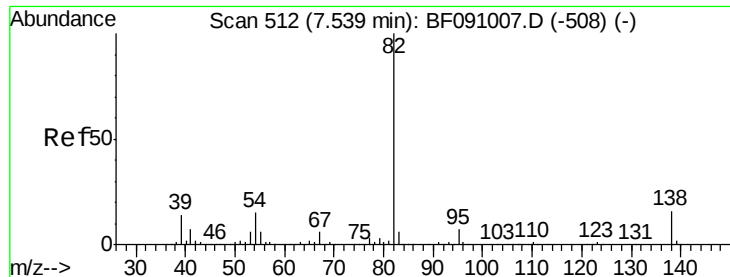
#23
Nitrobenzene-d5
Concen: 100.88 ng
RT: 7.21 min Scan# 483
Delta R.T. -0.03 min
Lab File: BF091175.D
Acq: 15 Nov 2016 13:02

Tgt Ion:	82	Resp:	1272074
Ion	Ratio	Lower	Upper
82	100		
128	44.4	32.4	48.6
54	47.3	39.2	58.8



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: 52.43 ng

RT: 7.21 min Scan# 483

Delta R.T. -0.29 min

Lab File: BF091175.D

Acq: 15 Nov 2016 13:02

Instrument :

BNA_F

ClientSampleId :

CPS073041

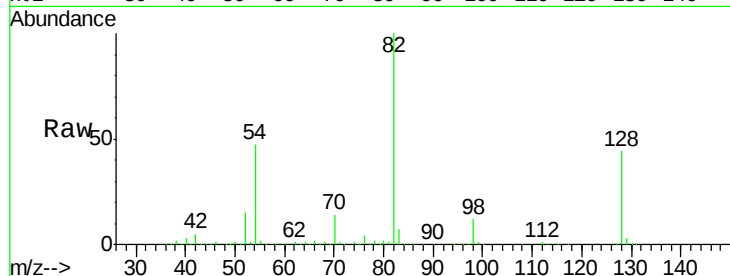
Tgt Ion: 82 Resp: 1273974

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

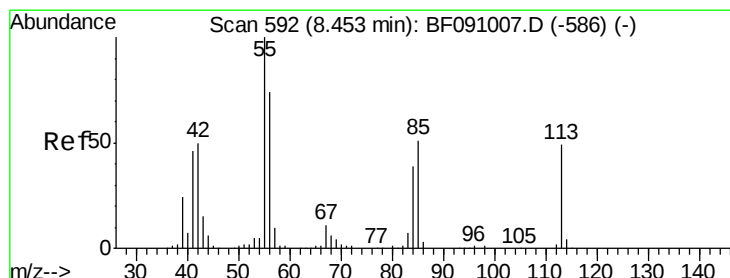
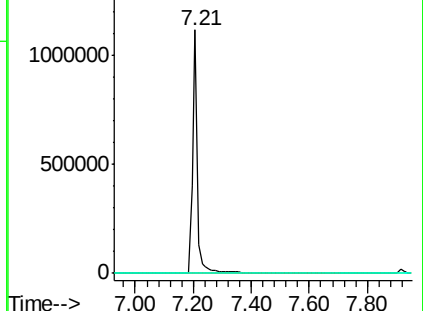
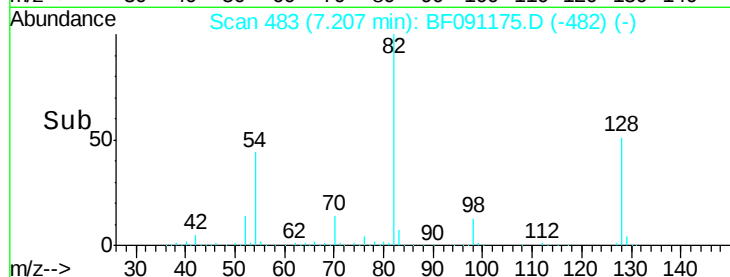
138 0.0 13.0 19.4#



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): BF0



#35

Caprolactam

Concen: 11.91 ng

RT: 8.34 min Scan# 582

Delta R.T. -0.08 min

Lab File: BF091175.D

Acq: 15 Nov 2016 13:02

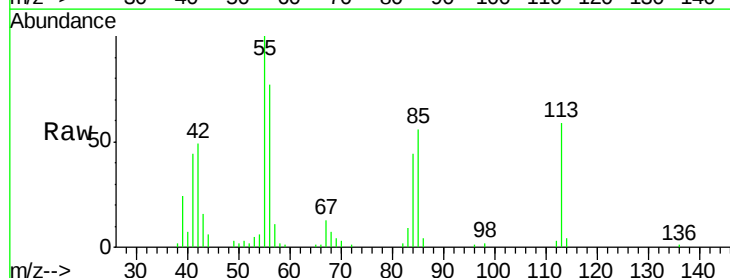
Tgt Ion: 113 Resp: 31819

Ion Ratio Lower Upper

113 100

55 169.3 184.1 224.1#

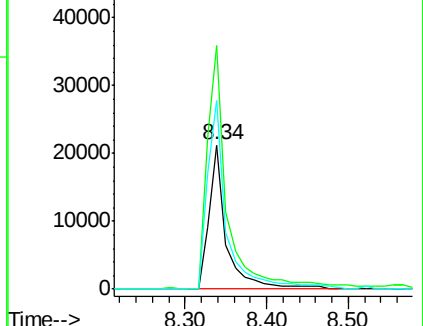
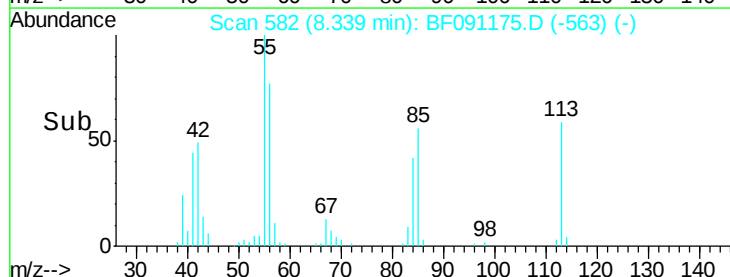
56 131.1 132.0 172.0#

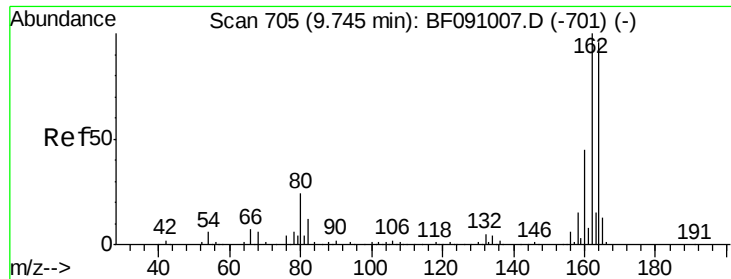


Abundance Ion 113.00 (112.70 to 113.70): BF0

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

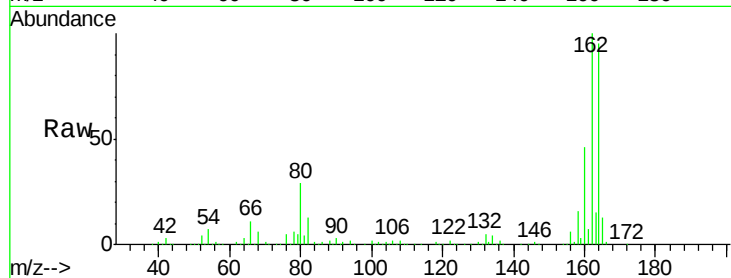




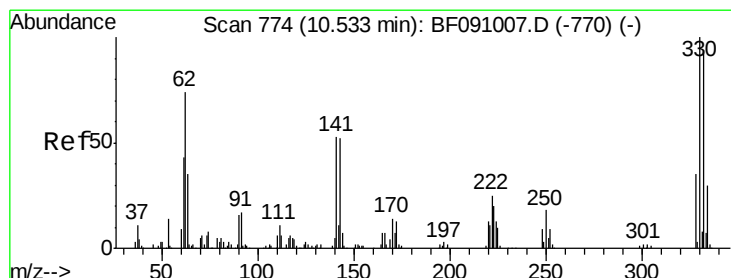
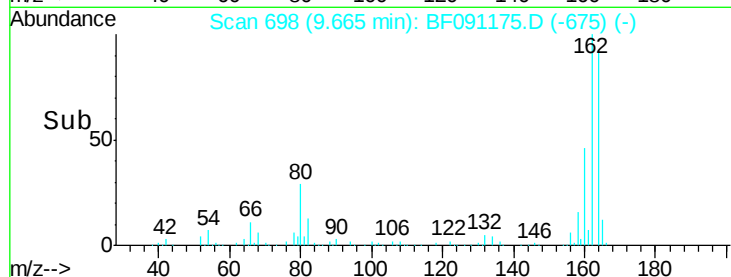
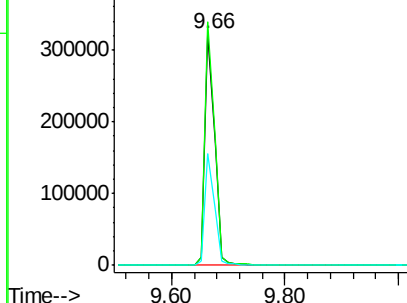
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 698
 Delta R.T. -0.03 min
 Lab File: BF091175.D
 Acq: 15 Nov 2016 13:02

Instrument :
 BNA_F
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 CPS073041

Tgt Ion:164 Resp: 365034
 Ion Ratio Lower Upper
 164 100
 162 105.2 83.6 125.4
 160 48.3 37.9 56.9

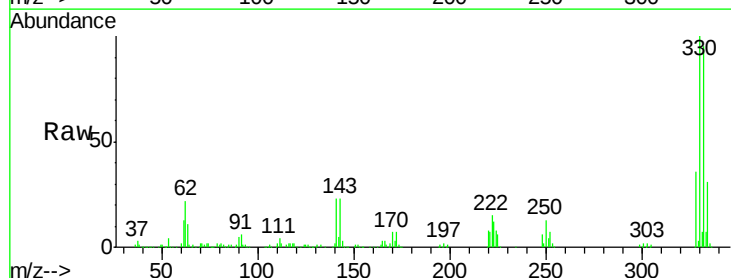


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

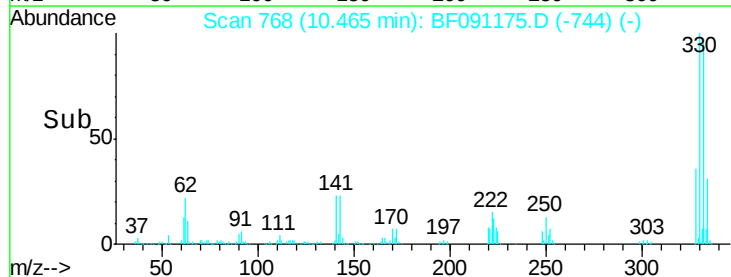
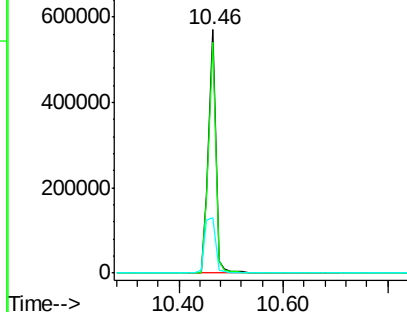


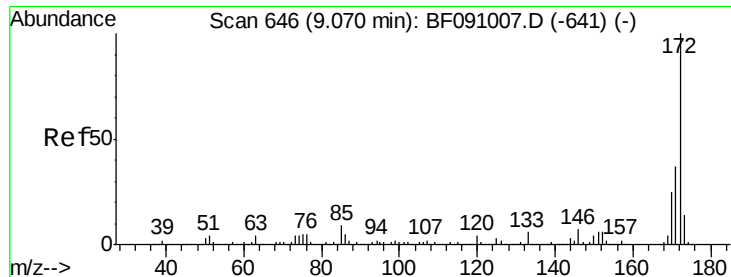
#41
 2,4,6-Tribromophenol
 Concen: 169.41 ng
 RT: 10.46 min Scan# 768
 Delta R.T. -0.02 min
 Lab File: BF091175.D
 Acq: 15 Nov 2016 13:02

Tgt Ion:330 Resp: 559088
 Ion Ratio Lower Upper
 330 100
 332 95.3 75.9 113.9
 141 34.9 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

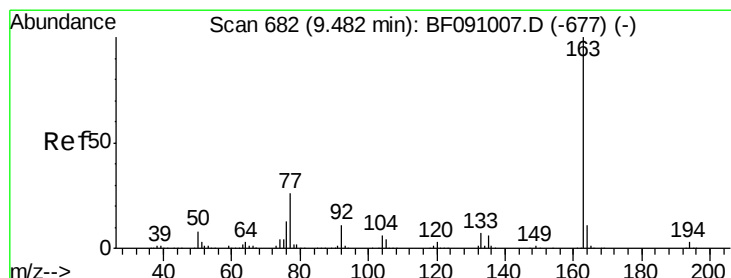
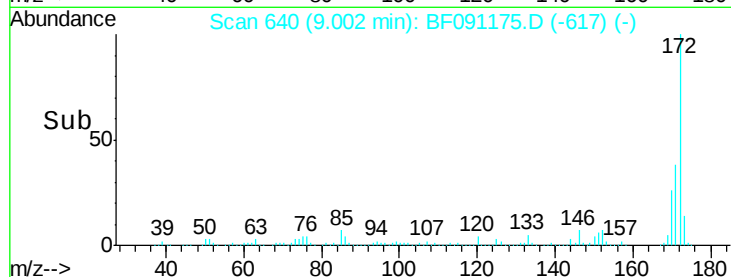
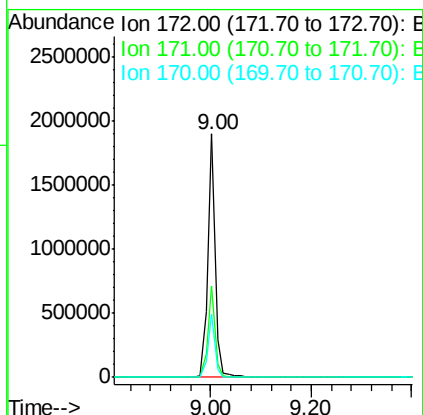
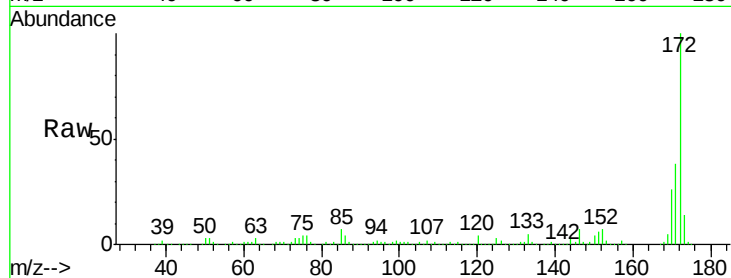




#44
 2-Fluorobiphenyl
 Concen: 91.74 ng
 RT: 9.00 min Scan# 640
 Delta R.T. -0.03 min
 Lab File: BF091175.D
 Acq: 15 Nov 2016 13:02

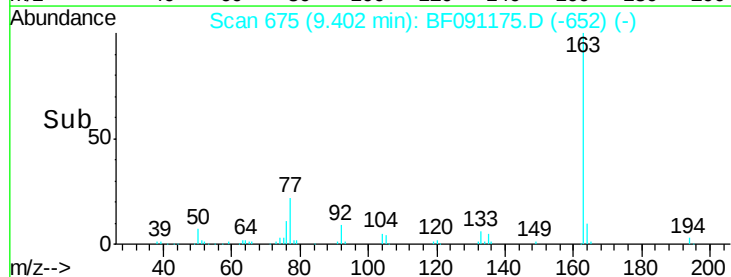
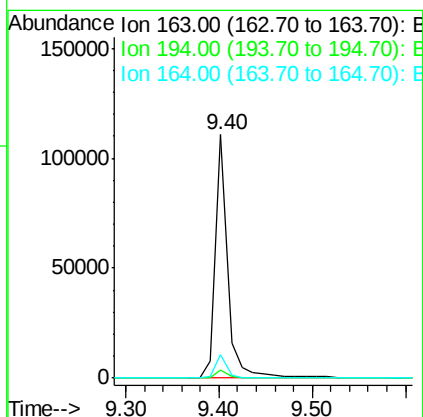
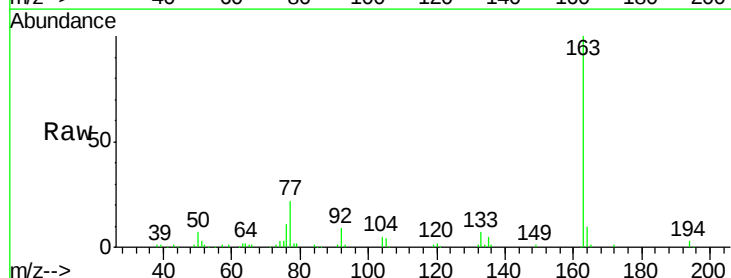
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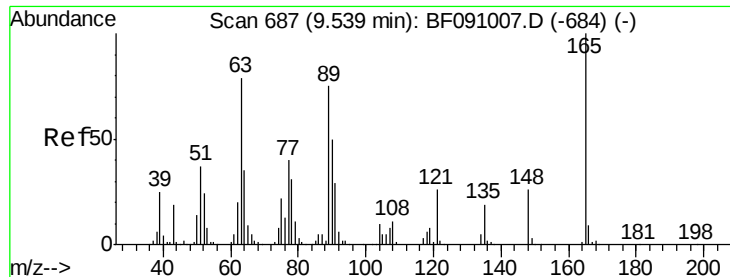
Tgt Ion:172 Resp: 1945208
 Ion Ratio Lower Upper
 172 100
 171 37.6 29.8 44.6
 170 25.7 20.3 30.5



#49
 Dimethylphthalate
 Concen: 4.25 ng
 RT: 9.40 min Scan# 675
 Delta R.T. -0.03 min
 Lab File: BF091175.D
 Acq: 15 Nov 2016 13:02

Tgt Ion:163 Resp: 101838
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.6 4.0
 164 9.9 8.7 13.1





#50

2,6-Dinitrotoluene

Concen: 9.11 ng

RT: 9.66 min Scan# 698

Delta R.T. 0.16 min

Lab File: BF091175.D

Acq: 15 Nov 2016 13:02

Instrument :

BNA_F

ClientSampleId :

CPS073041

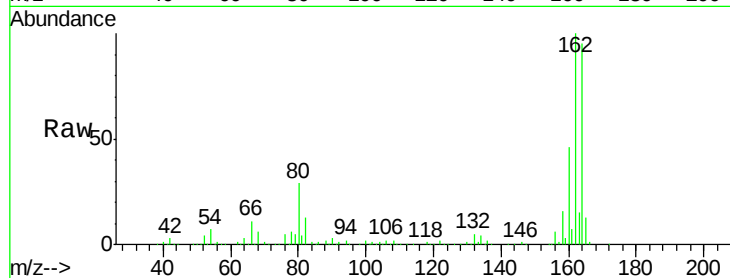
Tgt Ion:165 Resp: 46752

Ion Ratio Lower Upper

165 100

63 1.3 65.6 98.4#

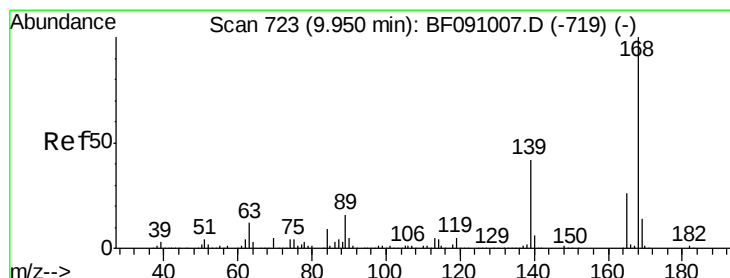
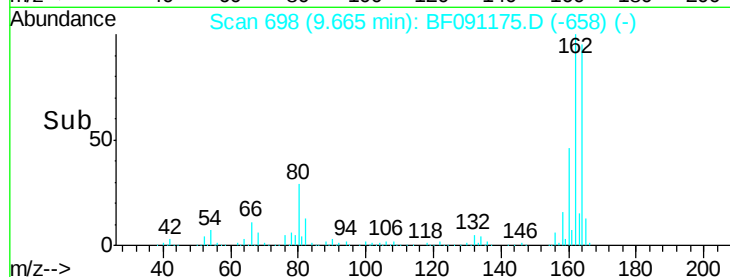
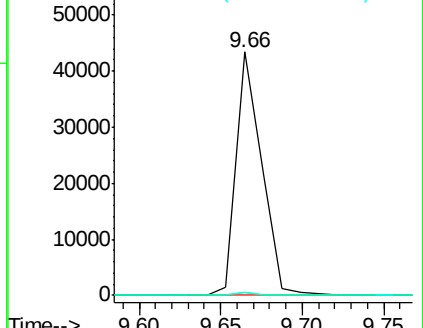
89 1.4 59.8 89.6#



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: 7.16 ng

RT: 9.66 min Scan# 698

Delta R.T. -0.24 min

Lab File: BF091175.D

Acq: 15 Nov 2016 13:02

Tgt Ion:165 Resp: 46754

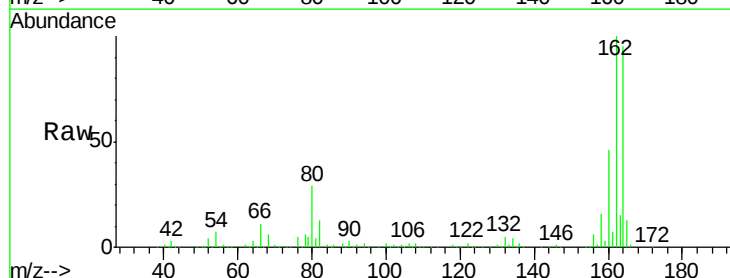
Ion Ratio Lower Upper

165 100

63 1.3 38.7 58.1#

89 1.4 50.6 76.0#

182 0.0 1.8 2.8#

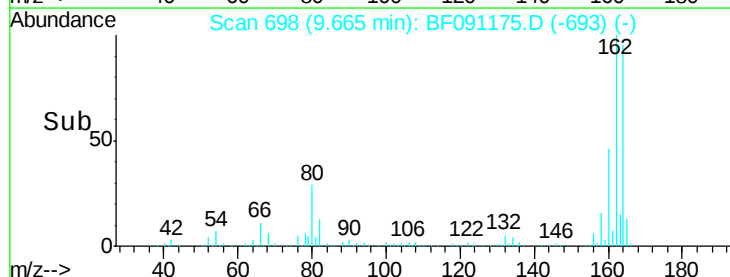
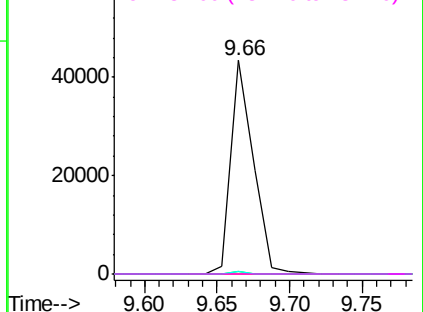


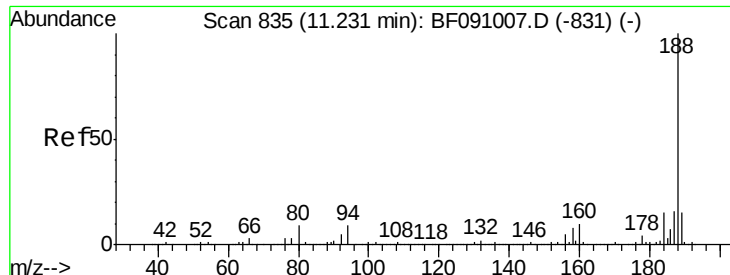
Abundance Ion 165.00 (164.70 to 165.70): E

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

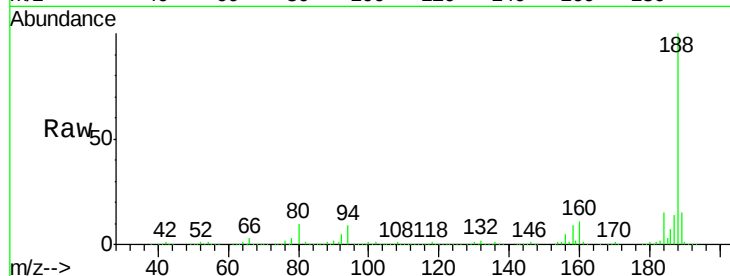




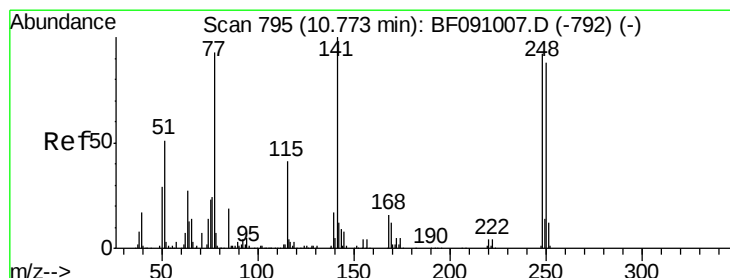
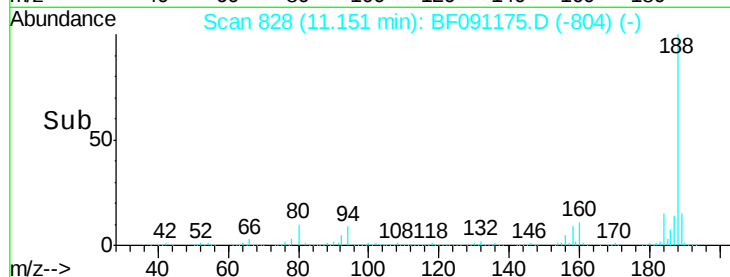
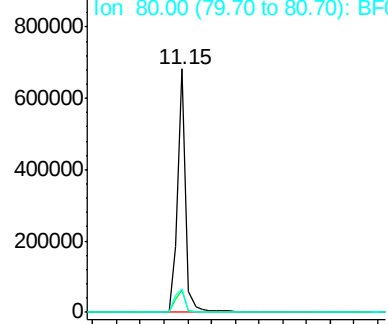
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.15 min Scan# 828
 Delta R.T. -0.02 min
 Lab File: BF091175.D
 Acq: 15 Nov 2016 13:02

Instrument :
 BNA_F
 ClientSampleId :
 CPS073041

Tgt Ion:188 Resp: 676183
 Ion Ratio Lower Upper
 188 100
 94 9.3 7.0 10.4
 80 9.7 7.5 11.3

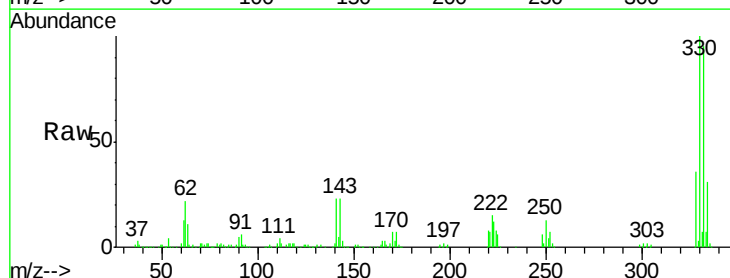


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

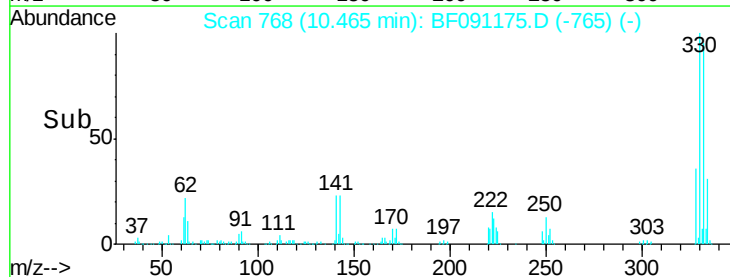
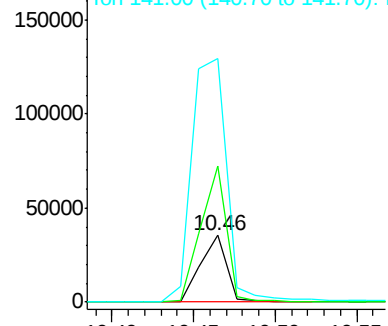


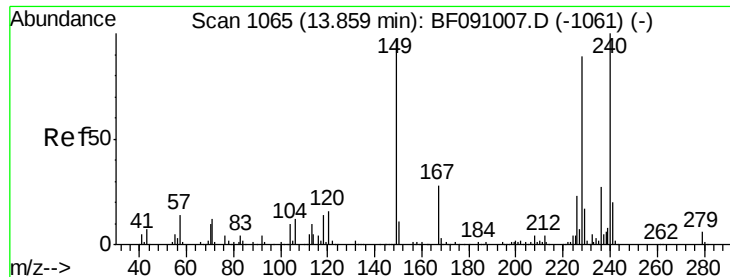
#66
 4-Bromophenyl-phenylether
 Concen: 5.56 ng
 RT: 10.46 min Scan# 768
 Delta R.T. -0.26 min
 Lab File: BF091175.D
 Acq: 15 Nov 2016 13:02

Tgt Ion:248 Resp: 39101
 Ion Ratio Lower Upper
 248 100
 250 203.0 76.3 114.5#
 141 363.7 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: 13.78 min Scan# 1058

Delta R.T. -0.03 min

Lab File: BF091175.D

Acq: 15 Nov 2016 13:02

Instrument :

BNA_F

ClientSampleId :

CPS073041

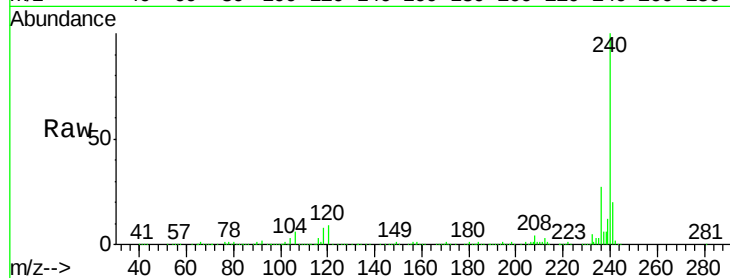
Tgt Ion:240 Resp: 576096

Ion Ratio Lower Upper

240 100

120 9.2 12.9 19.3#

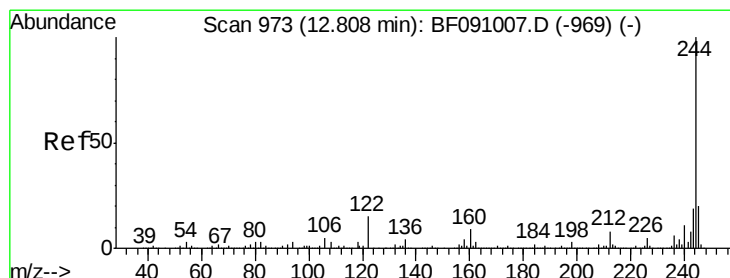
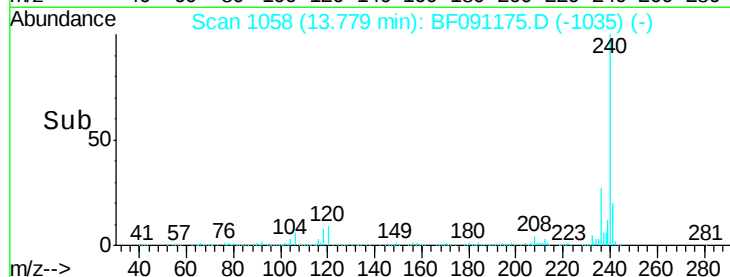
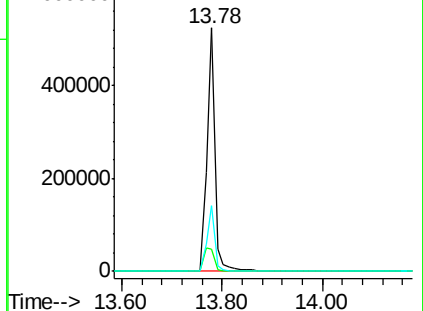
236 27.0 21.9 32.9



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: 93.34 ng

RT: 12.74 min Scan# 967

Delta R.T. -0.02 min

Lab File: BF091175.D

Acq: 15 Nov 2016 13:02

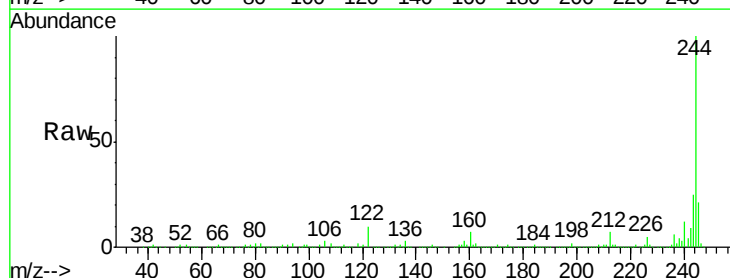
Tgt Ion:244 Resp: 2154917

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

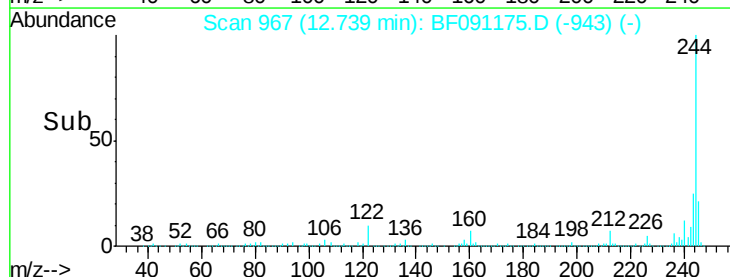
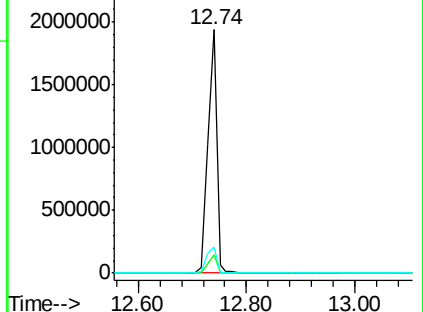
122 10.5 12.3 18.5#

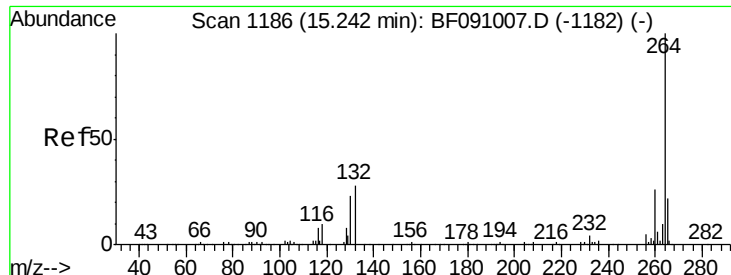


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.14 min Scan# 1177
Delta R.T. -0.05 min
Lab File: BF091175.D
Acq: 15 Nov 2016 13:02

Instrument :
BNA_F
ClientSampleId :
CPS073041

Tgt Ion:	264	Resp:	453493
Ion Ratio	Lower	Upper	
264	100		
260	25.4	20.6	30.8
265	22.2	17.8	26.8

