

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
 Data File : BF091707.D
 Acq On : 17 Dec 2016 8:17
 Operator : UM/SJ
 Sample : H6091-03
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KINGSBRIDGEFB-1-121316

Quant Time: Dec 17 22:28:29 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	147327	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	916546	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	414489	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	550331	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	515124	20.00	ng	-0.01
86) Perylene-d12	15.32	264	366434	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	523911	59.91	ng	0.00
7) Phenol-d6	6.42	99	376002	34.49	ng	-0.01
23) Nitrobenzene-d5	7.34	82	1167009	71.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	377268	109.58	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	2162618	90.15	ng	-0.01
78) Terphenyl-d14	12.88	244	1708359	75.25	ng	-0.02

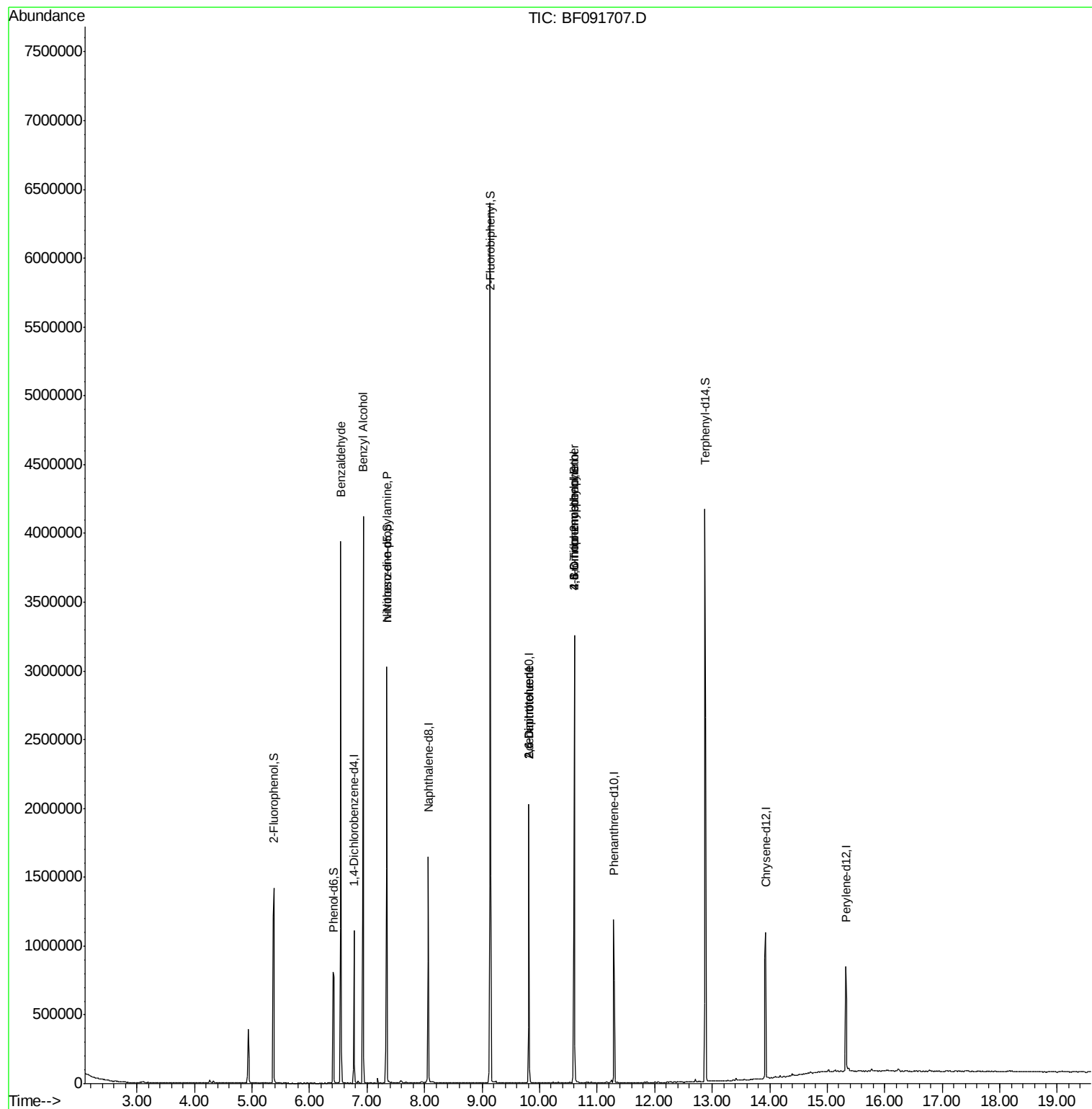
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.54	77	25796	3.44	ng	90
15) Benzyl Alcohol	6.93	79	19812	2.30	ng	# 37
19) n-Nitroso-di-n-propylamine	7.34	70	160707	23.57	ng	# 64
20) 3+4-Methylphenols	7.13	107	212	Below Cal	#	7
50) 2,6-Dinitrotoluene	9.81	165	52801	9.17	ng	# 16
56) 2,4-Dinitrotoluene	9.81	165	52804	7.31	ng	# 33
57) Fluorene	10.60	166	18972	Below Cal	#	90
64) 4,6-Dinitro-2-methylphenol	10.60	198	658	3.13	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	25347	4.49	ng	# 1

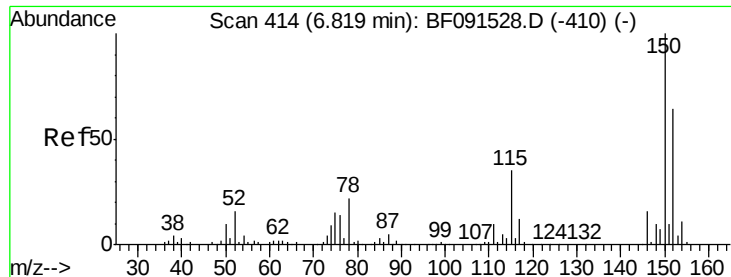
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF091707.D

Acq: 17 Dec 2016 8:17

Instrument :

BNA_F

ClientSampleId :

KINGSBRIDGEFB-1-121316

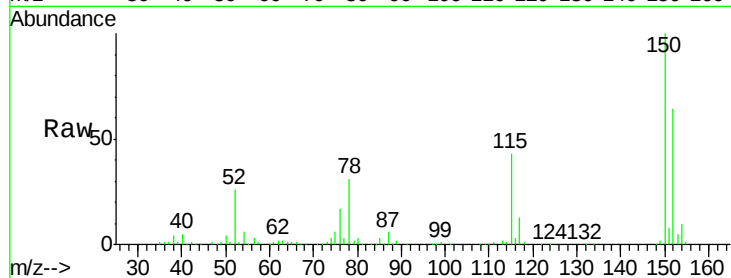
Tgt Ion:152 Resp: 147327

Ion Ratio Lower Upper

152 100

150 157.2 122.5 183.7

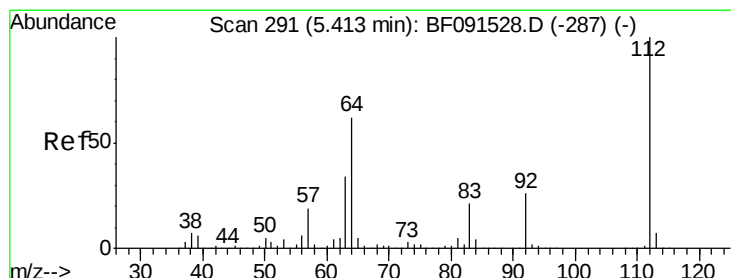
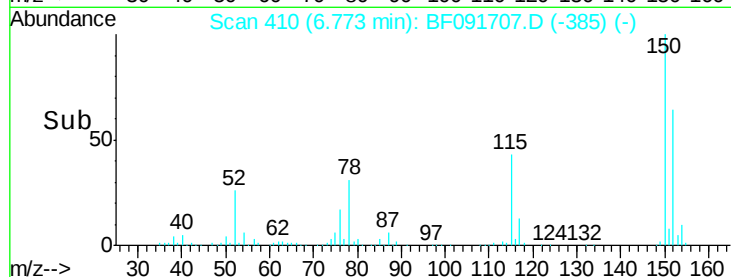
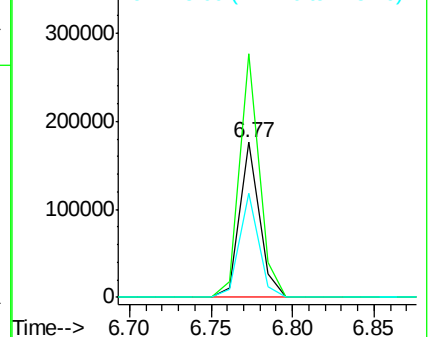
115 67.0 51.8 77.8



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: 59.91 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.00 min

Lab File: BF091707.D

Acq: 17 Dec 2016 8:17

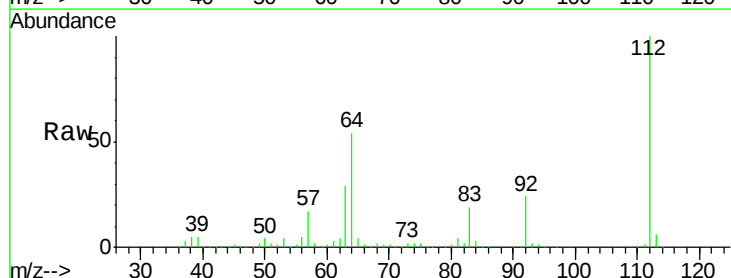
Tgt Ion:112 Resp: 523911

Ion Ratio Lower Upper

112 100

64 53.8 61.5 92.3#

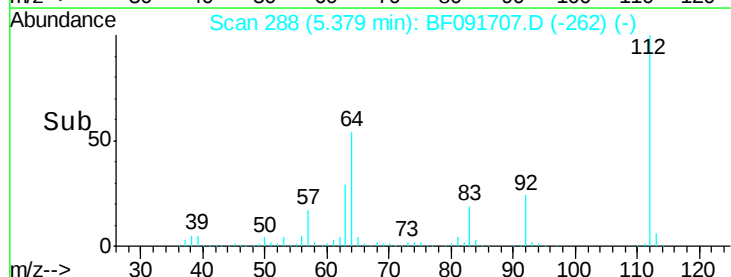
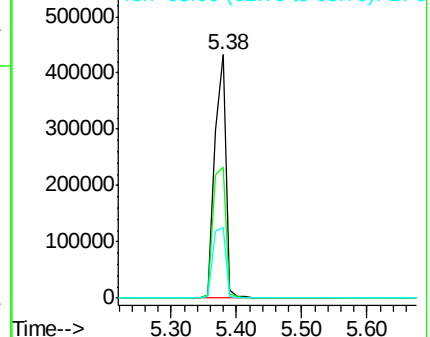
63 29.1 33.3 49.9#



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: 34.49 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF091707.D

Acq: 17 Dec 2016 8:17

Instrument :

BNA_F

ClientSampleId :

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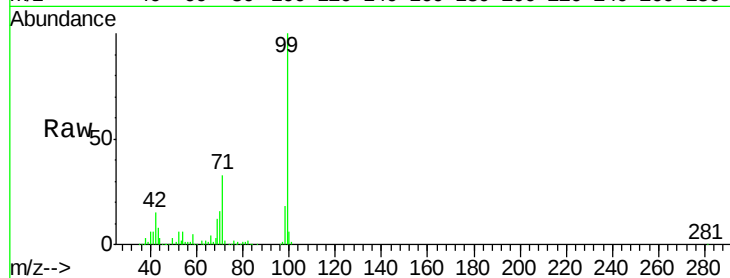
Tgt Ion: 99 Resp: 376002

Ion Ratio Lower Upper

99 100

42 15.4 20.6 31.0#

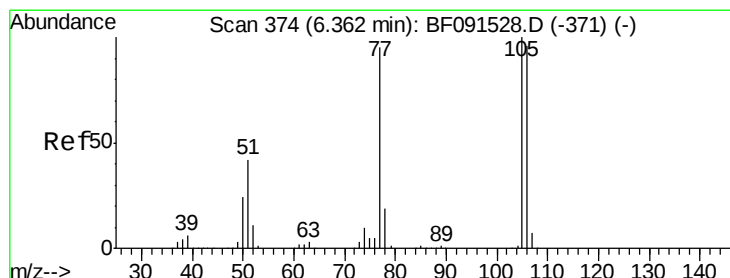
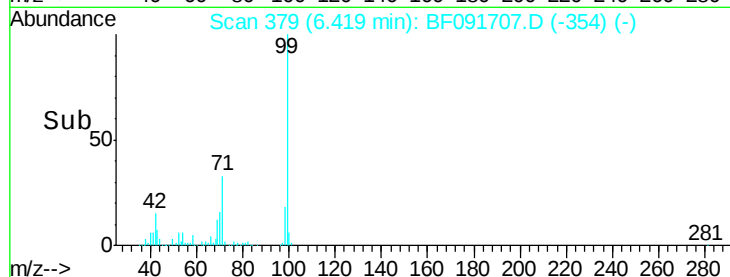
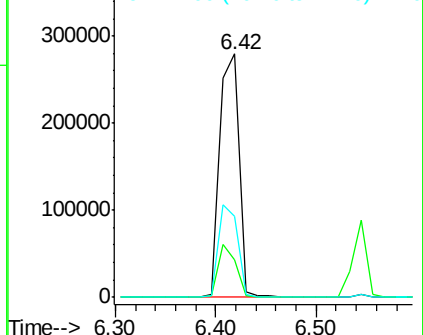
71 33.1 29.9 44.9



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: 3.44 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.22 min

Lab File: BF091707.D

Acq: 17 Dec 2016 8:17

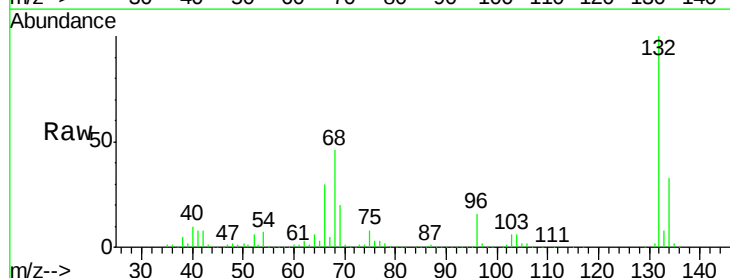
Tgt Ion: 77 Resp: 25796

Ion Ratio Lower Upper

77 100

105 81.3 66.4 106.4

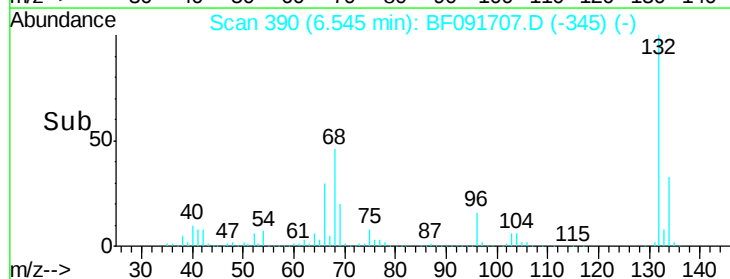
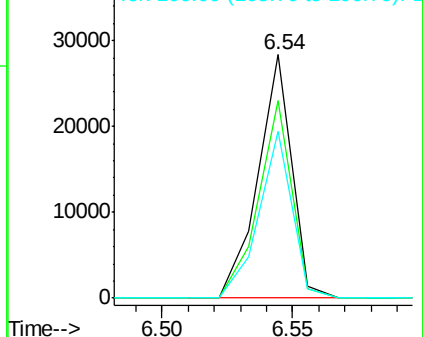
106 68.7 60.9 100.9

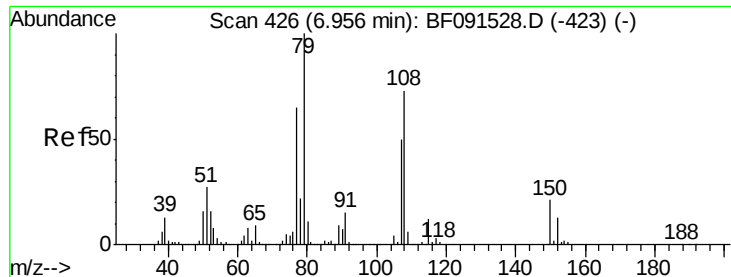


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 2.30 ng

RT: 6.93 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF091707.D

Acq: 17 Dec 2016 8:17

Instrument :

BNA_F

ClientSampleId :

KINGSBRIDGEFB-1-121316

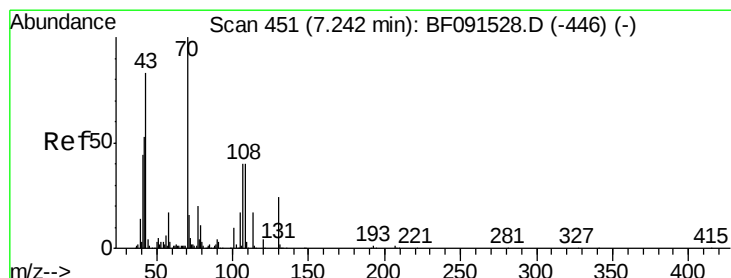
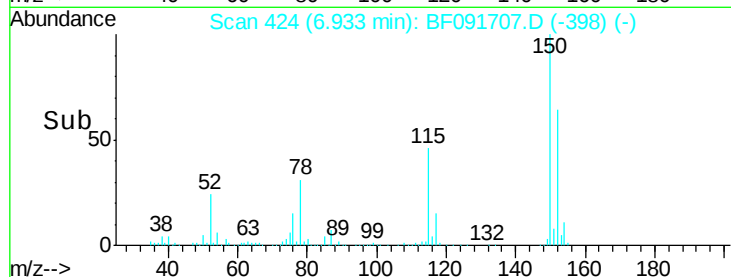
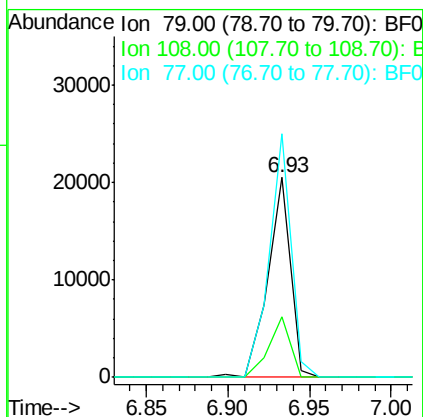
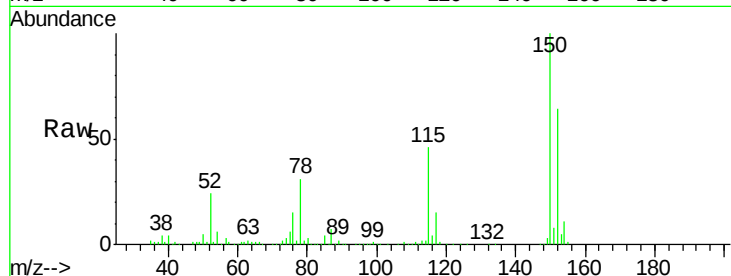
Tgt Ion: 79 Resp: 19812

Ion Ratio Lower Upper

79 100

108 30.0 62.7 94.1#

77 121.9 51.7 77.5#



#19

n-Nitroso-di-n-propylamine

Concen: 23.57 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.14 min

Lab File: BF091707.D

Acq: 17 Dec 2016 8:17

Tgt Ion: 70 Resp: 160707

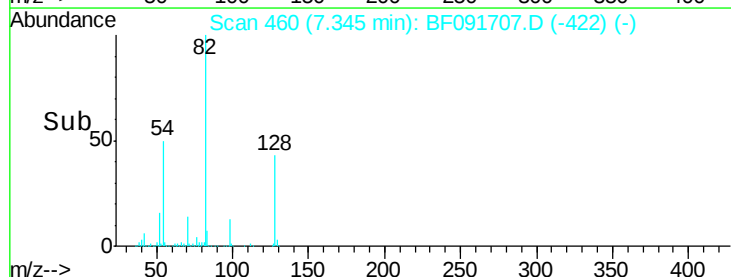
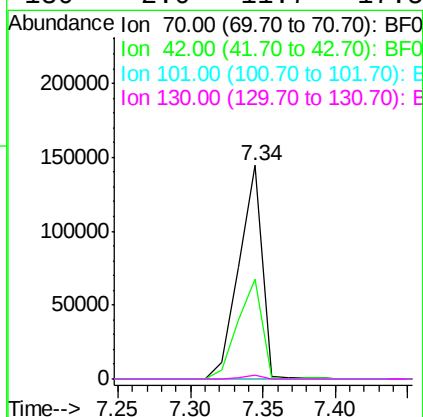
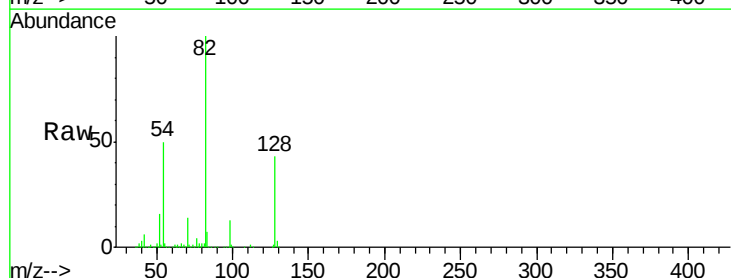
Ion Ratio Lower Upper

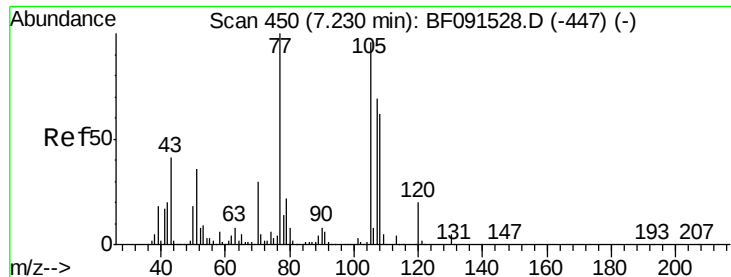
70 100

42 46.8 64.8 97.2#

101 0.0 6.2 9.4#

130 2.0 11.7 17.5#

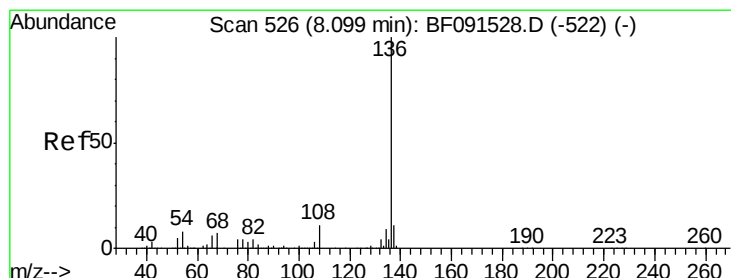
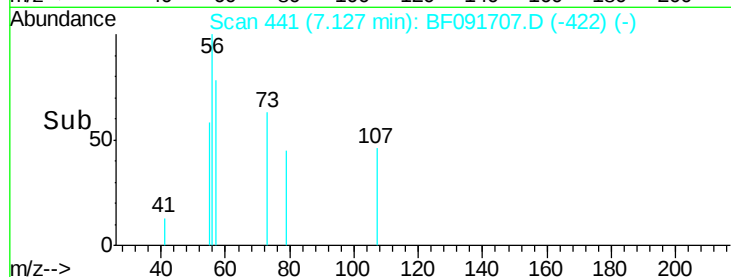
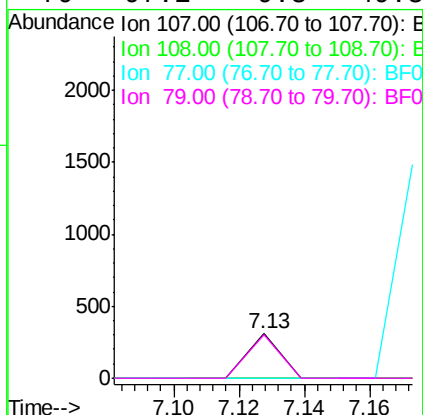
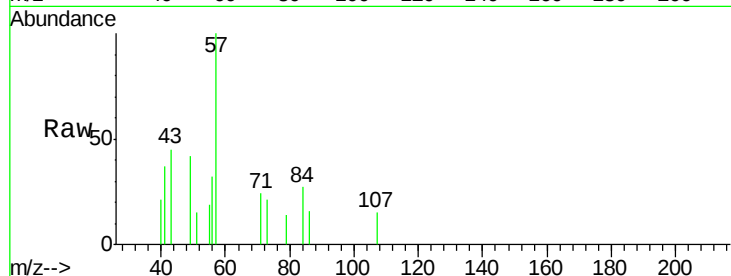




#20
3+4-Methylphenols
Concen: Below Cal
RT: 7.13 min Scan# 441
Delta R.T. -0.08 min
Lab File: BF091707.D
Acq: 17 Dec 2016 8:17

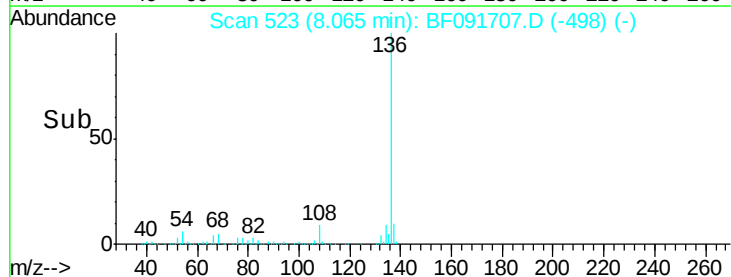
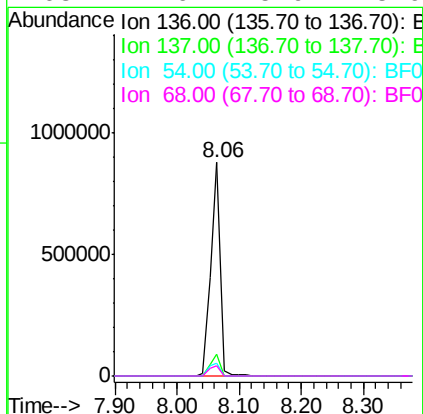
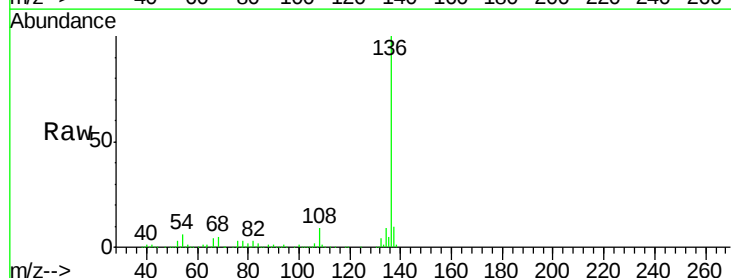
Instrument :
BNA_F
ClientSampleId :
KINGSBRIDGEFB-1-121316

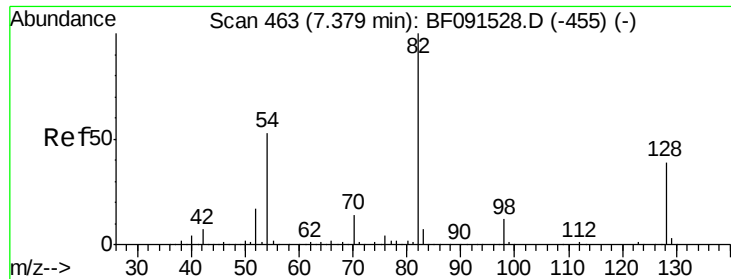
Tgt Ion	Ratio	Lower	Upper
107	100		
108	0.0	64.6	104.6#
77	0.0	30.9	70.9#
79	97.1	9.3	49.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF091707.D
Acq: 17 Dec 2016 8:17

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	5.7	9.1	13.7#
68	4.6	5.9	8.9#

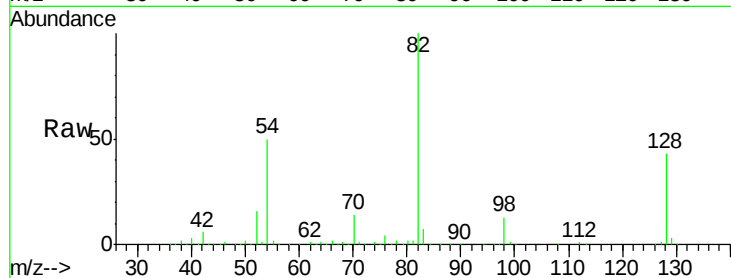




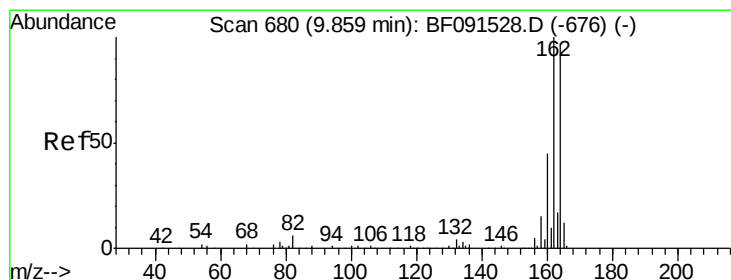
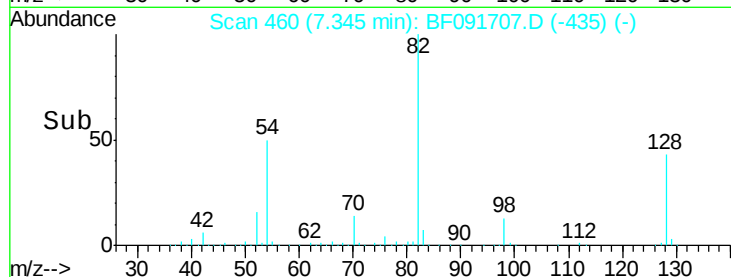
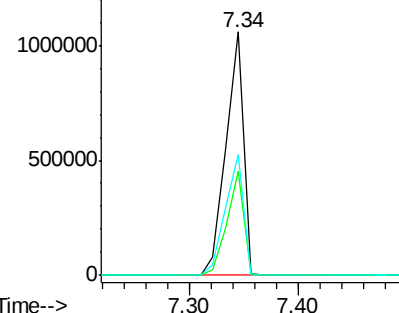
#23
 Nitrobenzene-d5
 Concen: 71.06 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF091707.D
 Acq: 17 Dec 2016 8:17

Instrument :
 BNA_F
 ClientSampleId :
 KINGSBRIDGEFB-1-121316

Tgt Ion: 82 Resp: 1167009
 Ion Ratio Lower Upper
 82 100
 128 42.8 31.8 47.6
 54 49.8 49.1 73.7

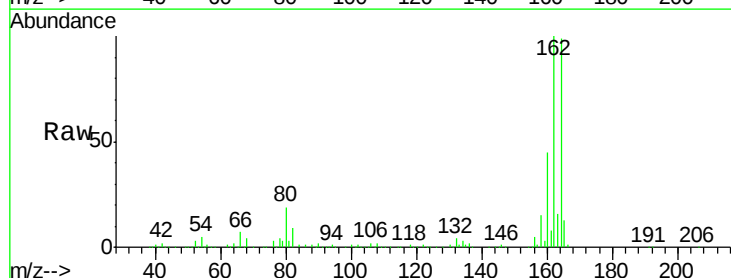


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

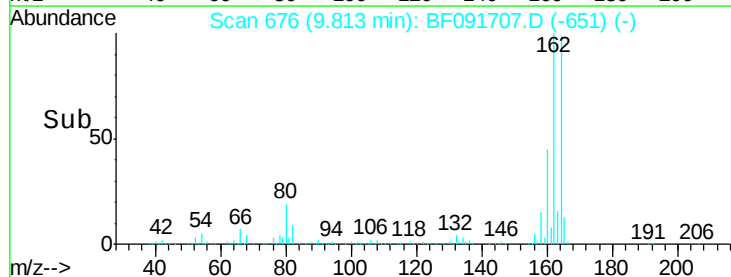
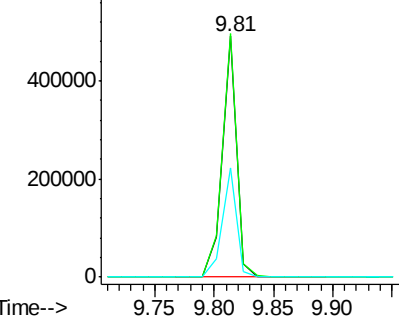


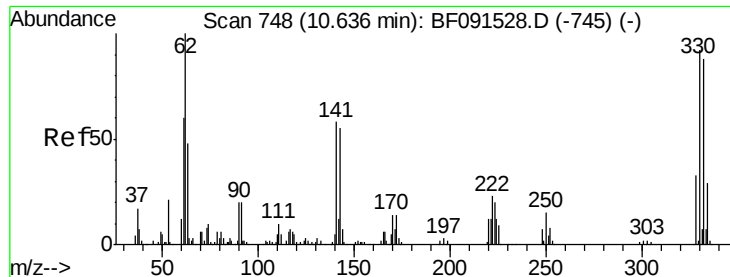
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF091707.D
 Acq: 17 Dec 2016 8:17

Tgt Ion: 164 Resp: 414489
 Ion Ratio Lower Upper
 164 100
 162 101.2 82.6 124.0
 160 45.4 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

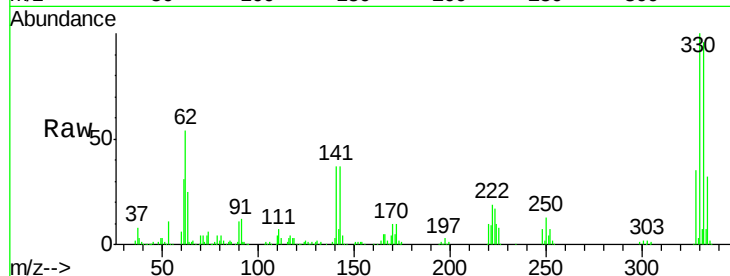




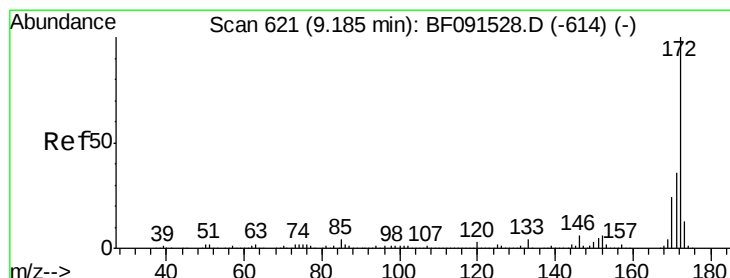
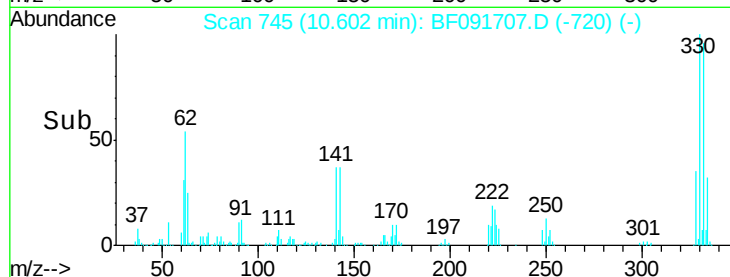
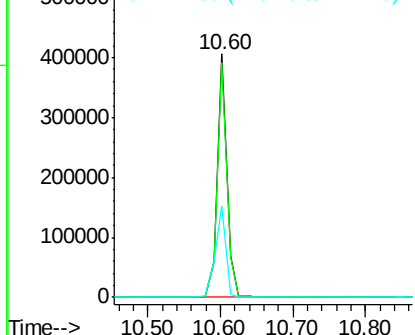
#41
 2,4,6-Tribromophenol
 Concen: 109.58 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF091707.D
 Acq: 17 Dec 2016 8:17

Instrument :
 BNA_F
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Tgt Ion:330 Resp: 377268
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.2 114.4
 141 40.7 33.6 50.4

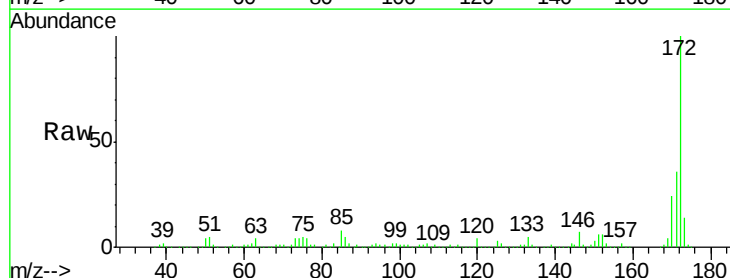


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

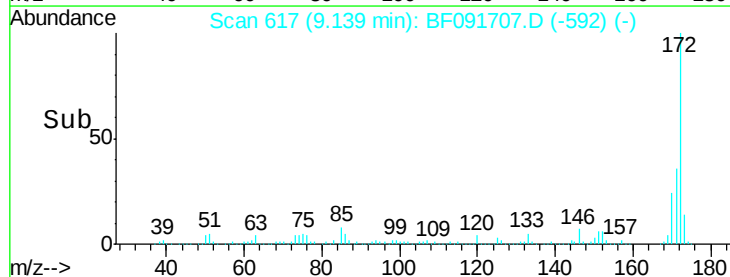
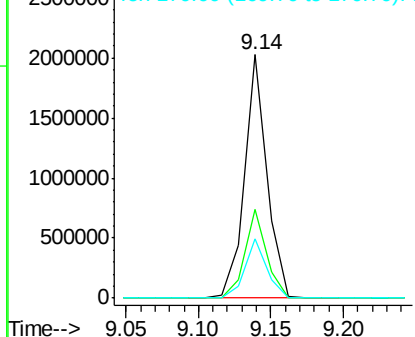


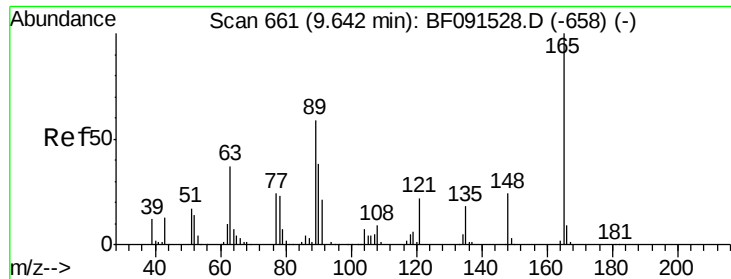
#44
 2-Fluorobiphenyl
 Concen: 90.15 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF091707.D
 Acq: 17 Dec 2016 8:17

Tgt Ion:172 Resp: 2162618
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 24.3 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

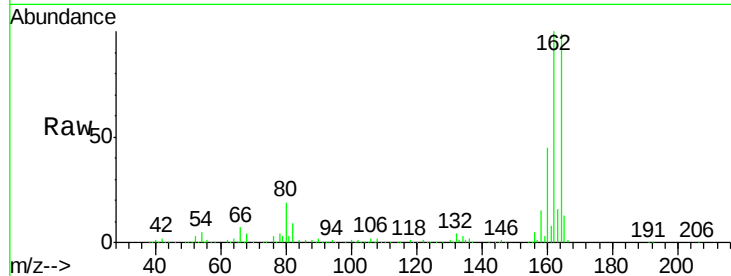




#50
 2,6-Dinitrotoluene
 Concen: 9.17 ng
 RT: 9.81 min Scan# 676
 Delta R.T. 0.19 min
 Lab File: BF091707.D
 Acq: 17 Dec 2016 8:17

Instrument :
 BNA_F
 ClientSampleId :
 KINGSBRIDGEFB-1-121316

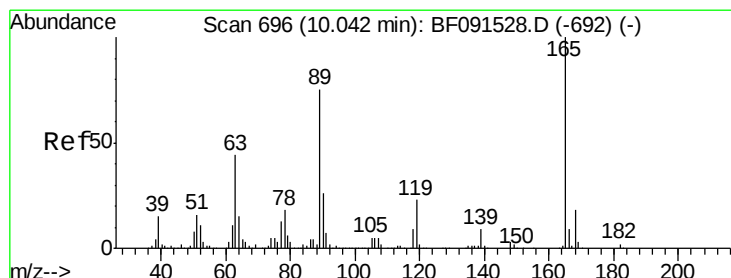
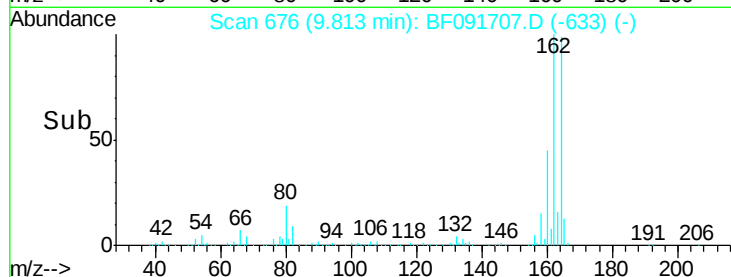
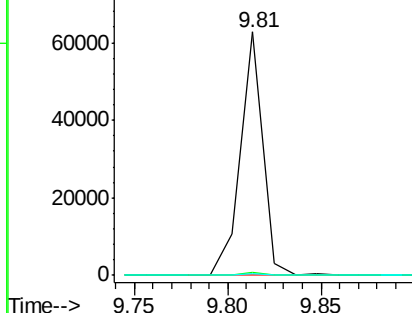
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	59.4	89.0#
89	0.8	50.8	76.2#



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: 7.31 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.21 min
 Lab File: BF091707.D
 Acq: 17 Dec 2016 8:17

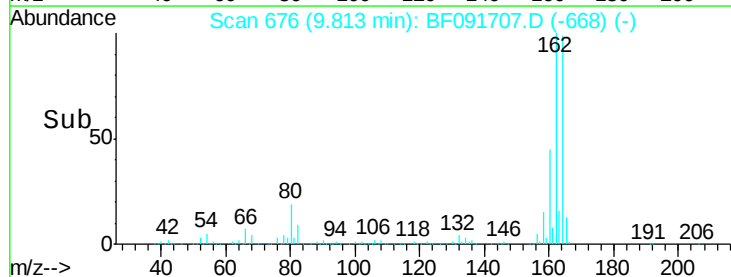
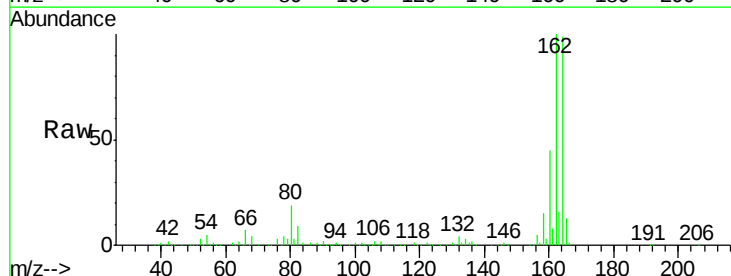
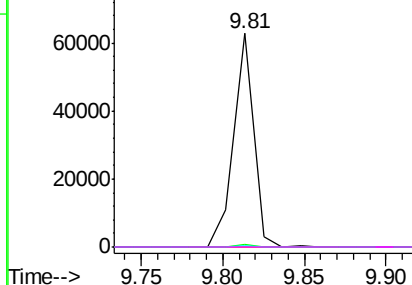
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	29.0	43.4#
89	0.8	43.1	64.7#
182	0.0	1.9	2.9#

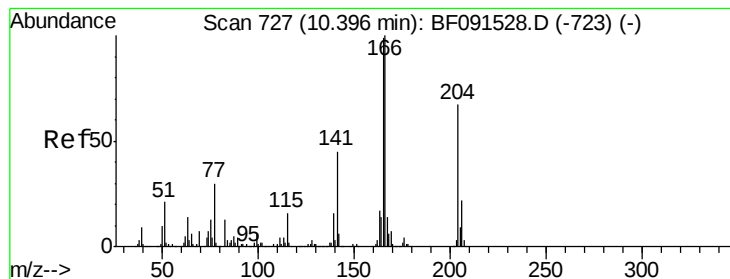
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: Below Cal

RT: 10.60 min Scan# 745

Delta R.T. 0.23 min

Lab File: BF091707.D

Acq: 17 Dec 2016 8:17

Instrument :

BNA_F

ClientSampleId :

KINGSBRIDGEFB-1-121316

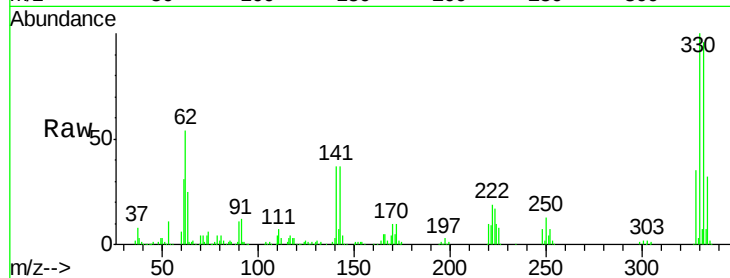
Tgt Ion:166 Resp: 18972

Ion Ratio Lower Upper

166 100

165 104.3 80.0 120.0

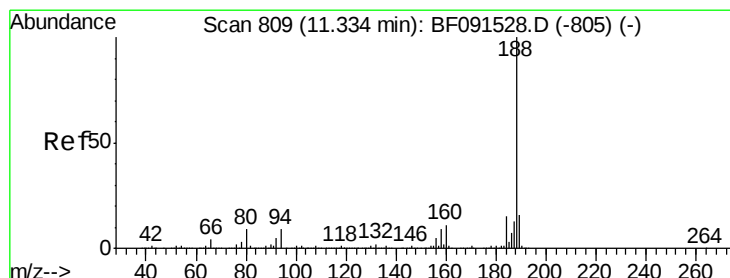
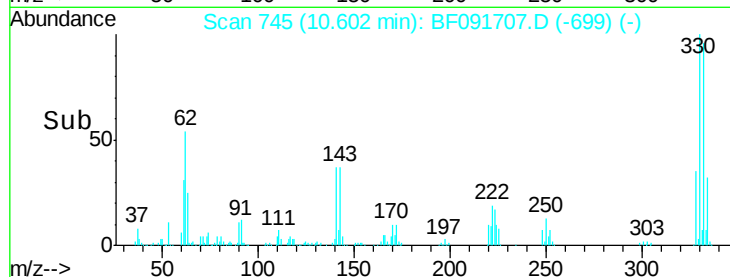
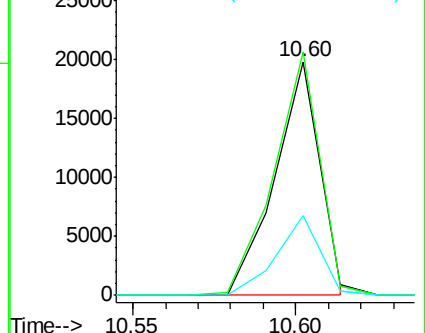
167 34.1 10.8 16.2#



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: BF091707.D

Acq: 17 Dec 2016 8:17

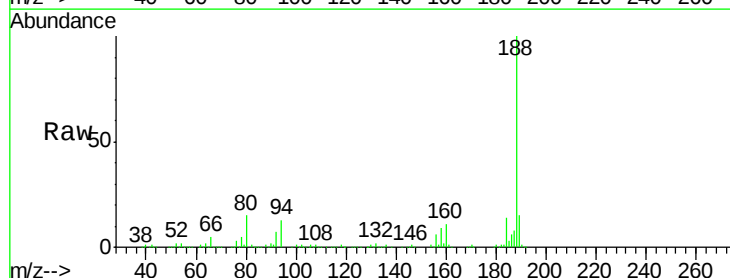
Tgt Ion:188 Resp: 550331

Ion Ratio Lower Upper

188 100

94 12.9 9.2 13.8

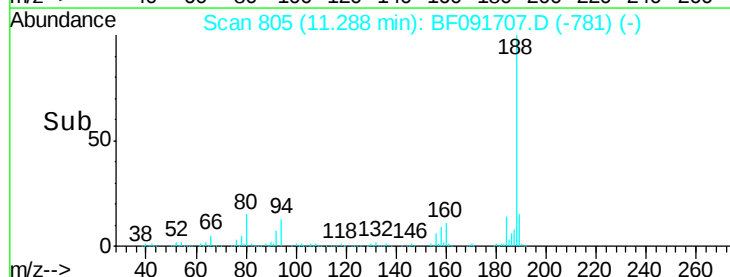
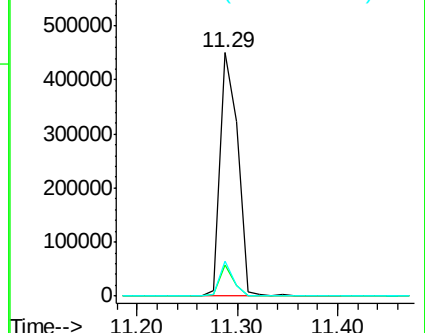
80 14.6 10.5 15.7

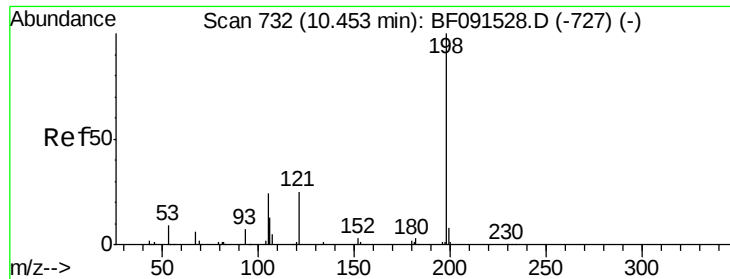


Abundance Ion 188.00 (187.70 to 188.70): E

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: 3.13 ng

RT: 10.60 min Scan# 745

Delta R.T. 0.17 min

Lab File: BF091707.D

Acq: 17 Dec 2016 8:17

Instrument :

BNA_F

ClientSampleId :

KINGSBRIDGEFB-1-121316

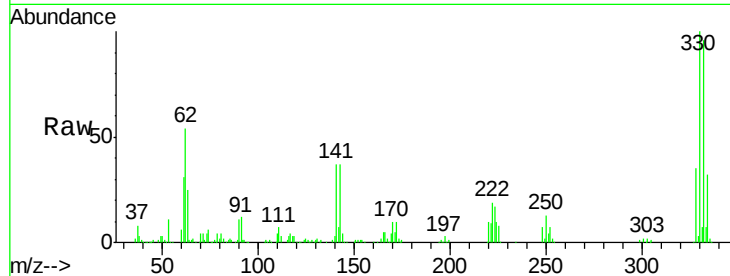
Tgt Ion:198 Resp: 658

Ion Ratio Lower Upper

198 100

51 227.2 77.1 117.1#

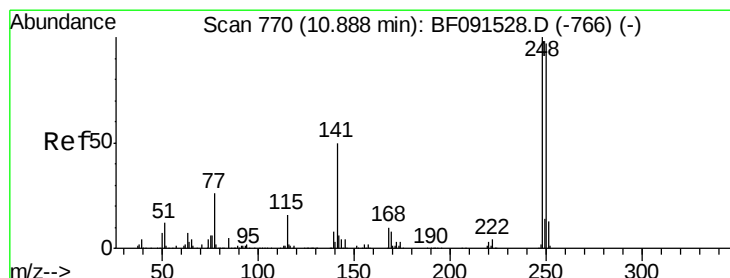
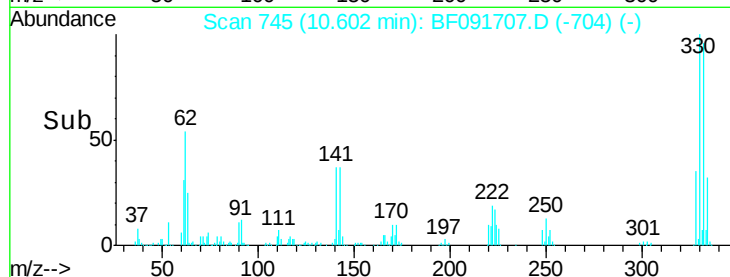
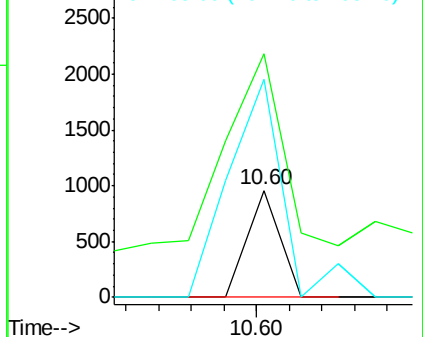
105 203.2 44.8 84.8#



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: 4.49 ng

RT: 10.60 min Scan# 745

Delta R.T. -0.25 min

Lab File: BF091707.D

Acq: 17 Dec 2016 8:17

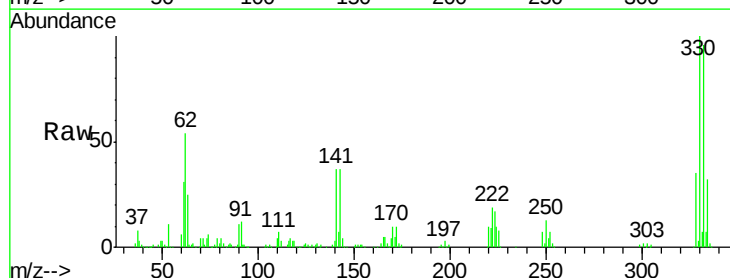
Tgt Ion:248 Resp: 25347

Ion Ratio Lower Upper

248 100

250 193.3 78.2 117.4#

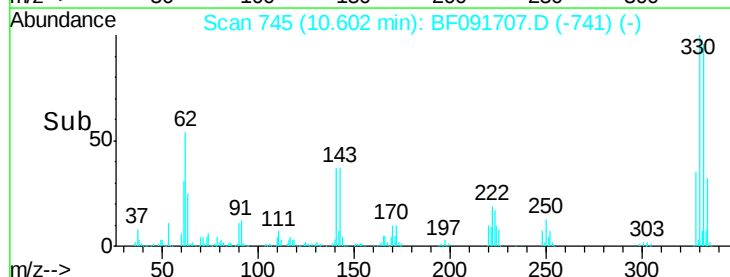
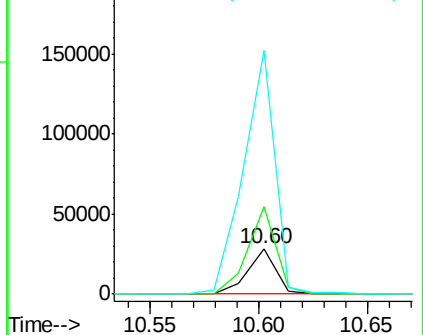
141 538.8 71.9 107.9#

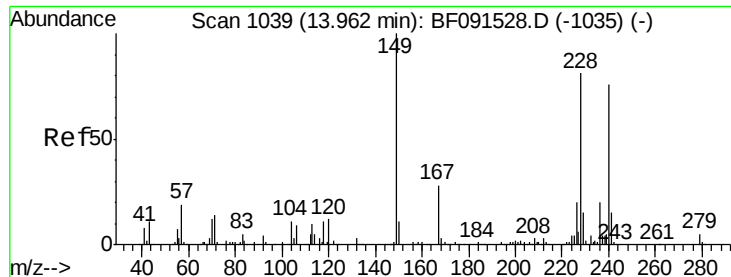


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.93 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF091707.D

Acq: 17 Dec 2016 8:17

Instrument :

BNA_F

ClientSampleId :

KINGSBRIDGEFB-1-121316

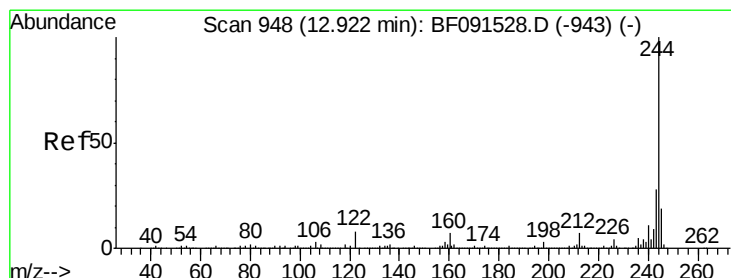
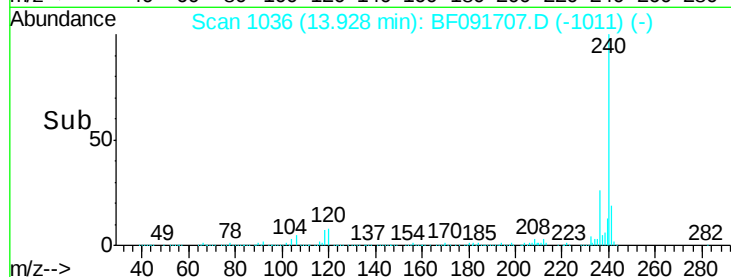
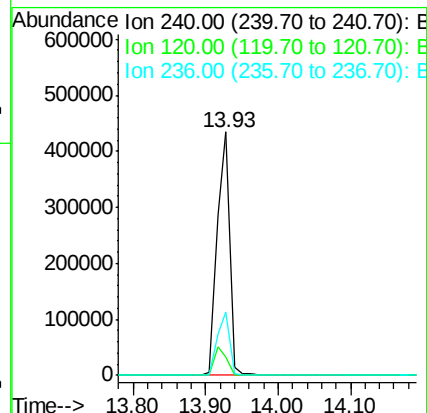
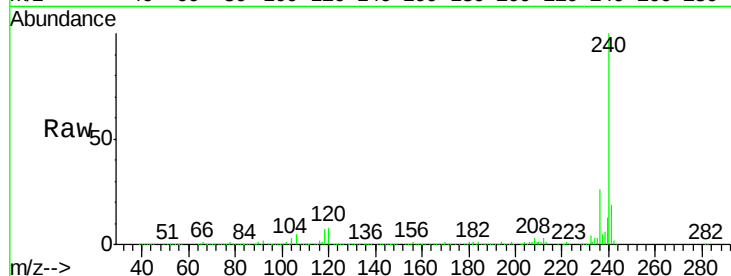
Tgt Ion:240 Resp: 515124

Ion Ratio Lower Upper

240 100

120 7.7 12.1 18.1#

236 25.7 21.0 31.6



#78

Terphenyl-d14

Concen: 75.25 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF091707.D

Acq: 17 Dec 2016 8:17

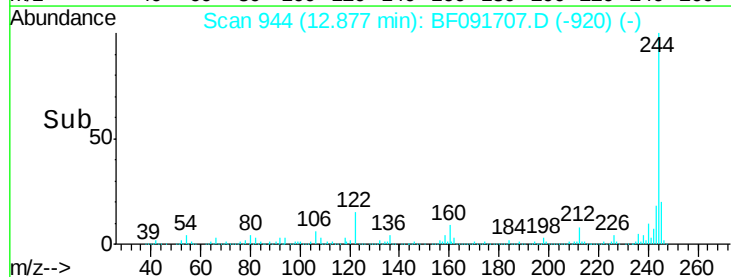
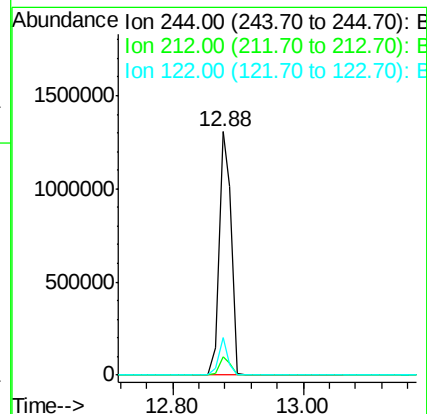
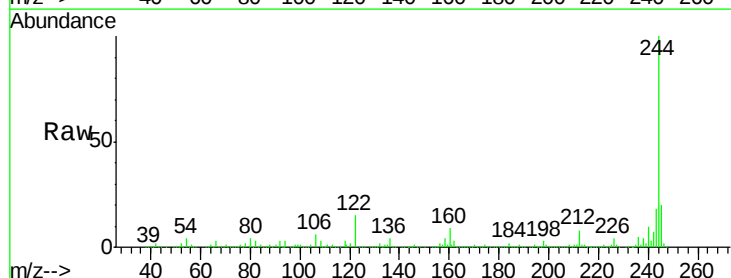
Tgt Ion:244 Resp: 1708359

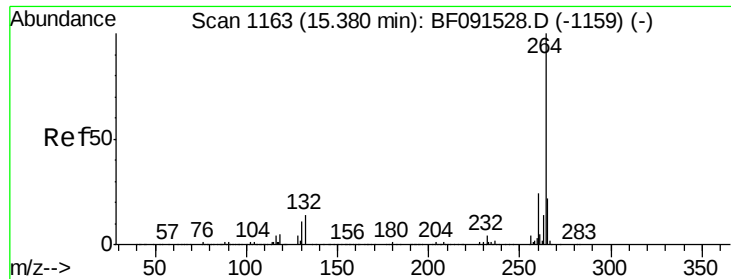
Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

122 15.2 9.5 14.3#

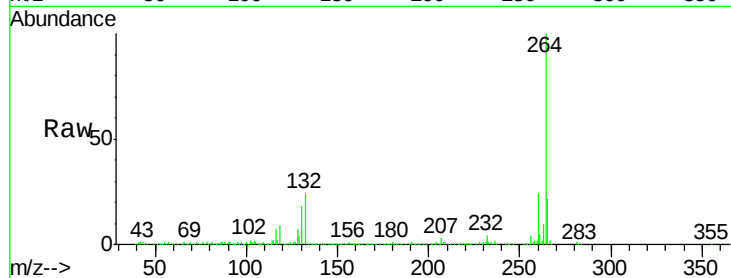




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BF091707.D
Acq: 17 Dec 2016 8:17

Instrument :
BNA_F
ClientSampleId :
KINGSBRIDGEFB-1-121316

Tgt Ion: 264 Resp: 366434
Ion Ratio Lower Upper
264 100
260 23.7 18.8 28.2
265 21.6 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

