

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121516\
 Data File : BF091654.D
 Acq On : 16 Dec 2016 4:43
 Operator : UM/SJ
 Sample : H5982-02
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 120916-DSDC-E-U-M

Quant Time: Dec 16 05:39:36 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

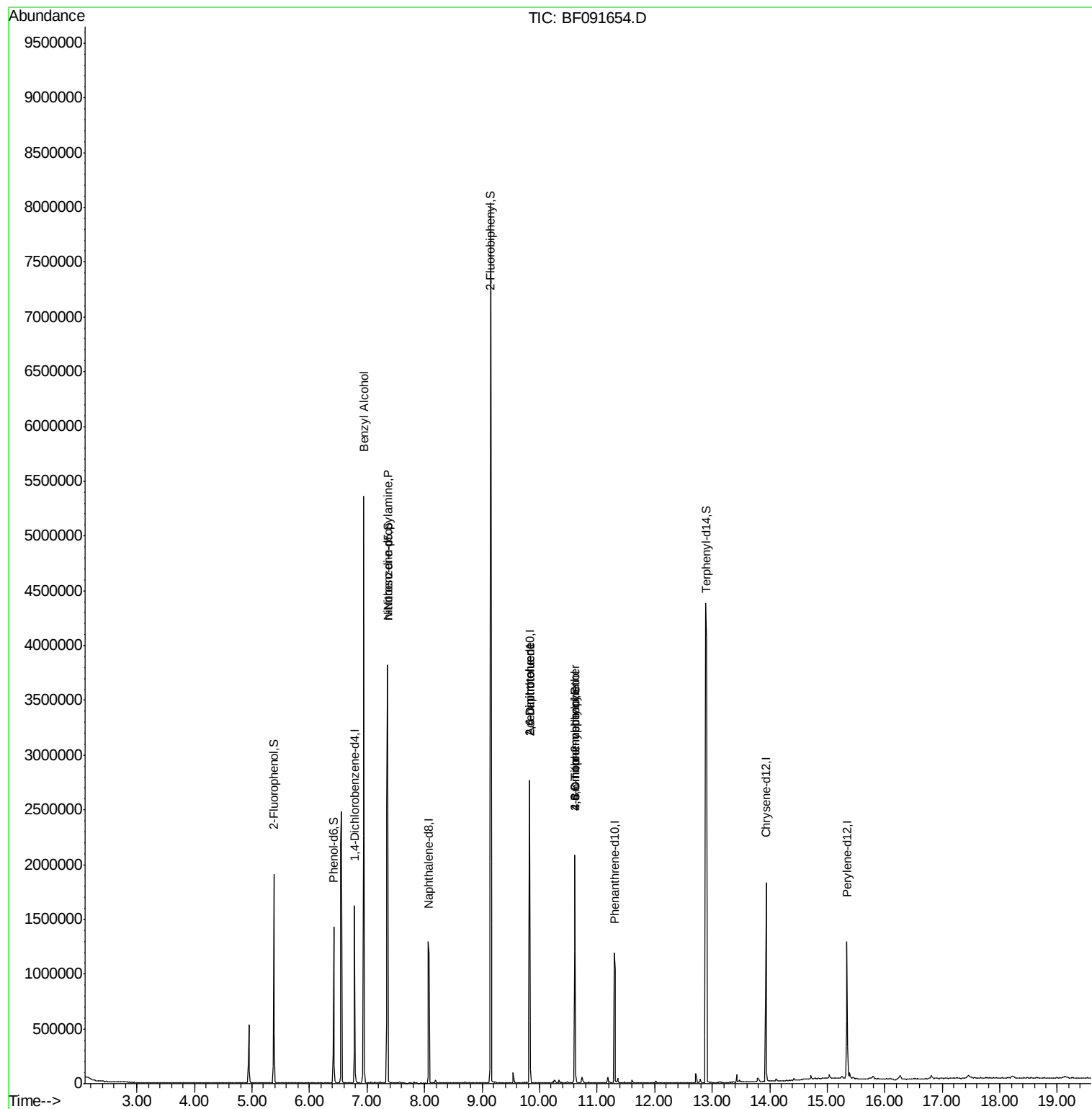
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	223575	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	883589	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	565444	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	623677	20.00	ng	0.00
75) Chrysene-d12	13.94	240	687033	20.00	ng	0.00
86) Perylene-d12	15.35	264	534068	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	488547	36.81	ng	0.00
7) Phenol-d6	6.42	99	425364	25.71	ng	-0.01
23) Nitrobenzene-d5	7.36	82	1654276	104.49	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	297186	63.28	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2632875	80.46	ng	0.00
78) Terphenyl-d14	12.90	244	2089070	69.00	ng	0.00
Target Compounds						
15) Benzyl Alcohol	6.94	79	27819	2.13	ng	# 46
19) n-Nitroso-di-n-propylamine	7.36	70	226618	21.91	ng	# 63
20) 3+4-Methylphenols	6.94	107	311	Below Cal		# 1
50) 2,6-Dinitrotoluene	9.82	165	73630	9.37	ng	# 16
56) 2,4-Dinitrotoluene	9.82	165	73634	7.48	ng	# 33
57) Fluorene	10.37	166	1745	Below Cal		# 93
64) 4,6-Dinitro-2-methylphenol	10.61	198	483	3.06	ng	# 5
66) 4-Bromophenyl-phenylether	10.61	248	20405	3.19	ng	# 1

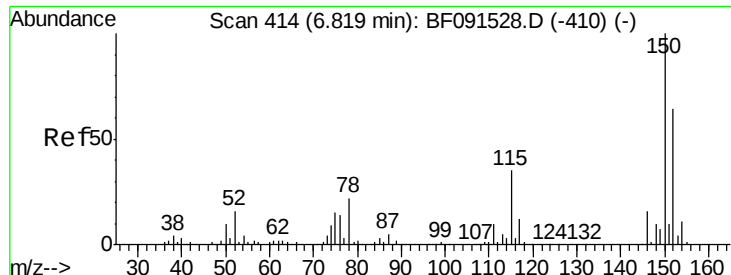
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF091654.D

Acq: 16 Dec 2016 4:43

Instrument :

BNA_F

ClientSampleId :

120916-DSDC-E-U-M

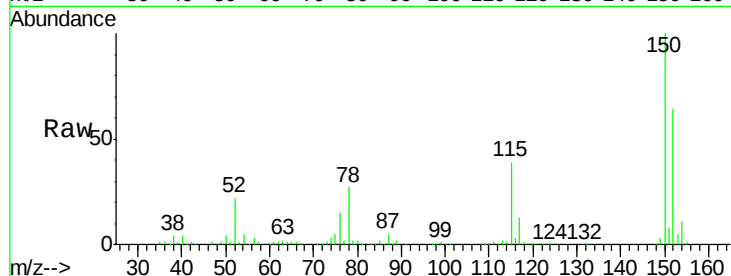
Tgt Ion:152 Resp: 223575

Ion Ratio Lower Upper

152 100

150 157.1 122.5 183.7

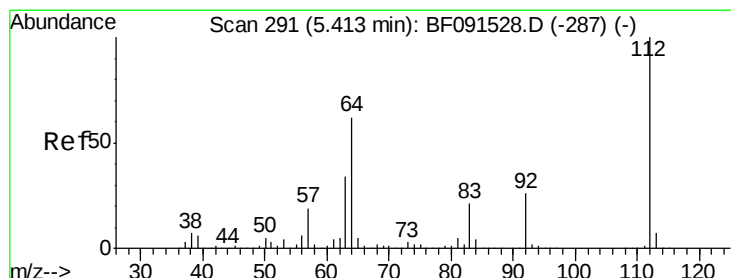
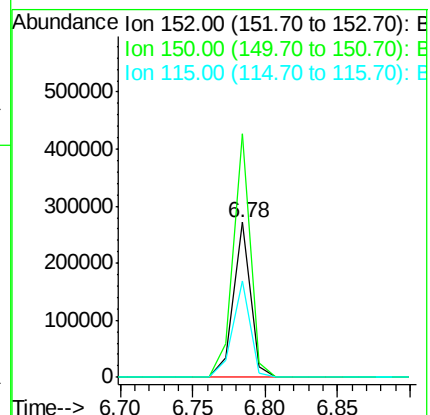
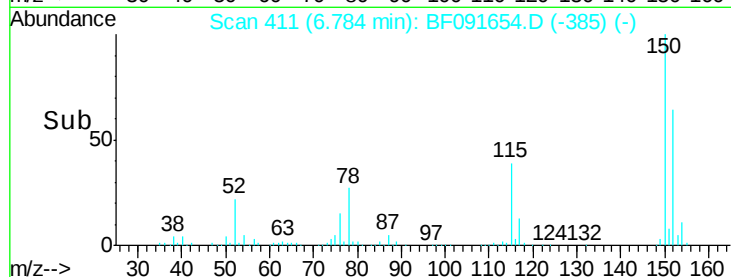
115 61.9 51.8 77.8



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: 36.81 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.00 min

Lab File: BF091654.D

Acq: 16 Dec 2016 4:43

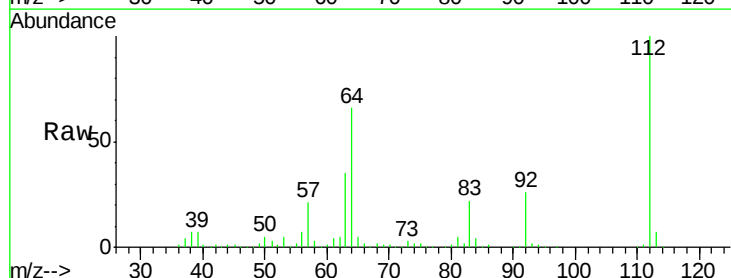
Tgt Ion:112 Resp: 488547

Ion Ratio Lower Upper

112 100

64 66.4 61.5 92.3

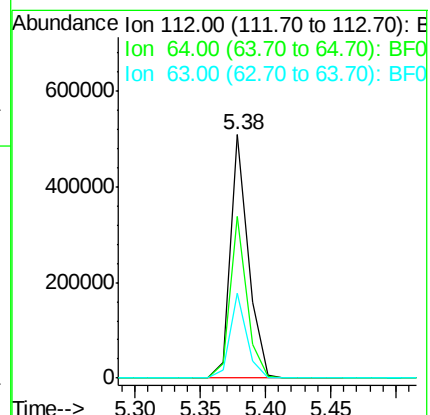
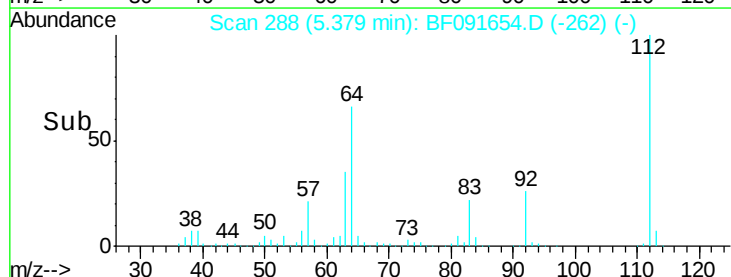
63 35.1 33.3 49.9

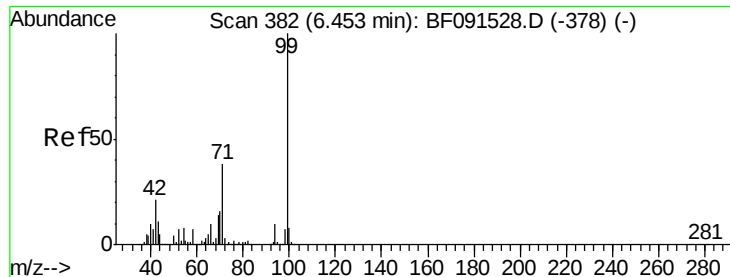


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 25.71 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF091654.D

Acq: 16 Dec 2016 4:43

Instrument :

BNA_F

ClientSampleId :

120916-DSDC-E-U-M

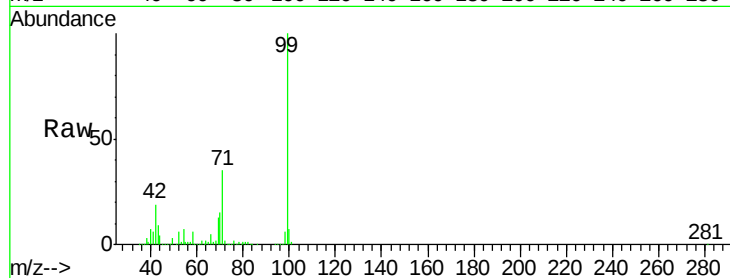
Tgt Ion: 99 Resp: 425364

Ion Ratio Lower Upper

99 100

42 18.8 20.6 31.0#

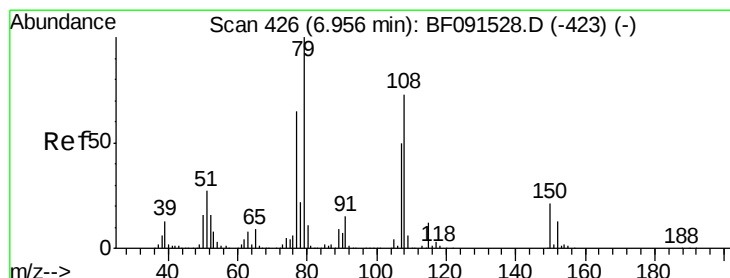
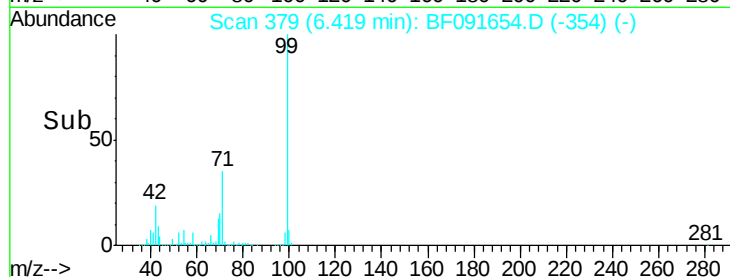
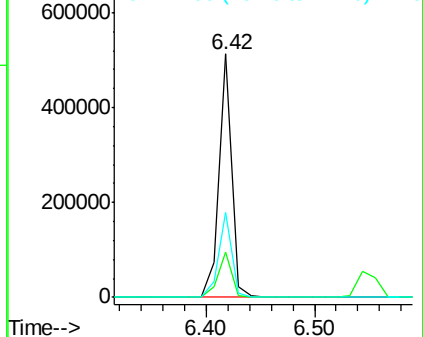
71 35.1 29.9 44.9



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



#15

Benzyl Alcohol

Concen: 2.13 ng

RT: 6.94 min Scan# 425

Delta R.T. 0.01 min

Lab File: BF091654.D

Acq: 16 Dec 2016 4:43

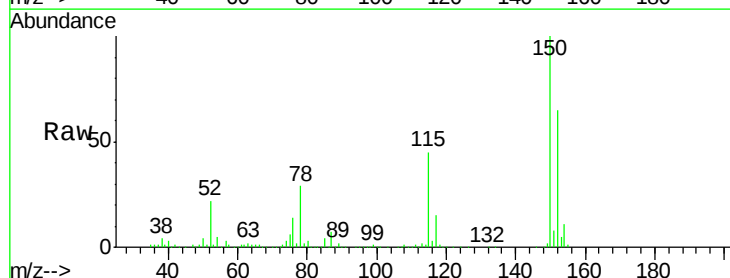
Tgt Ion: 79 Resp: 27819

Ion Ratio Lower Upper

79 100

108 28.8 62.7 94.1#

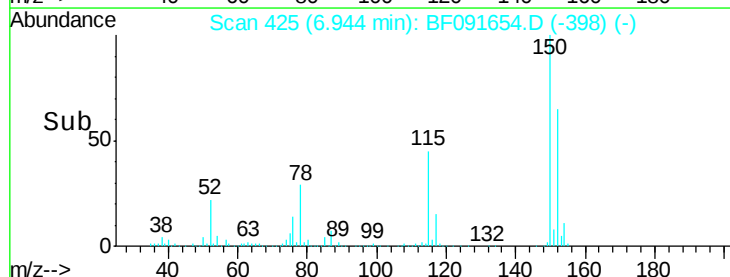
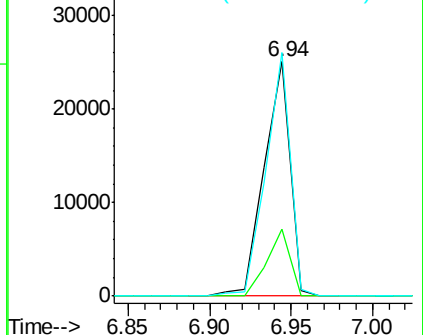
77 103.9 51.7 77.5#

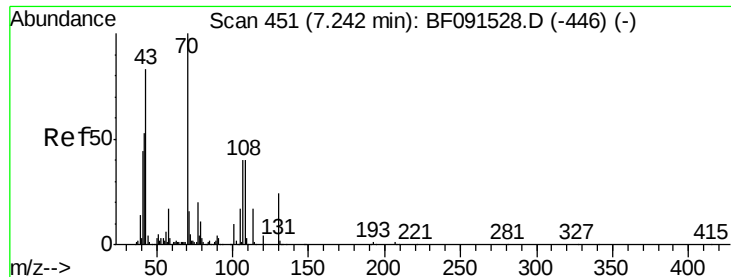


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

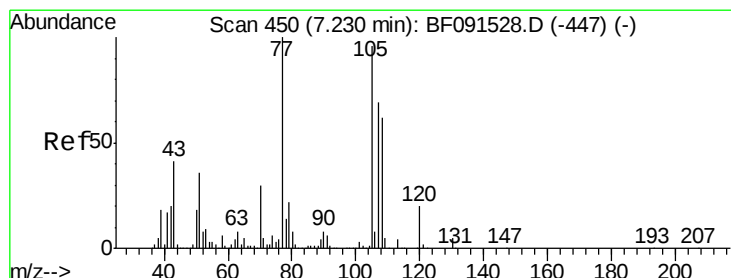
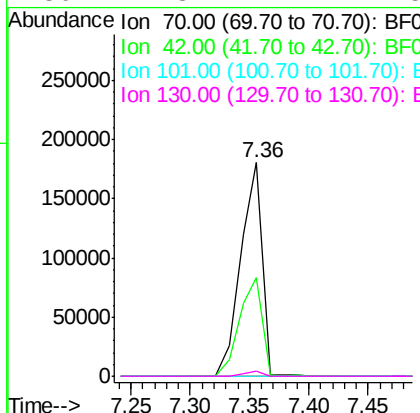
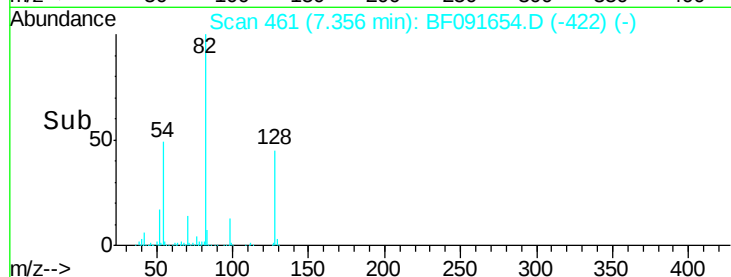
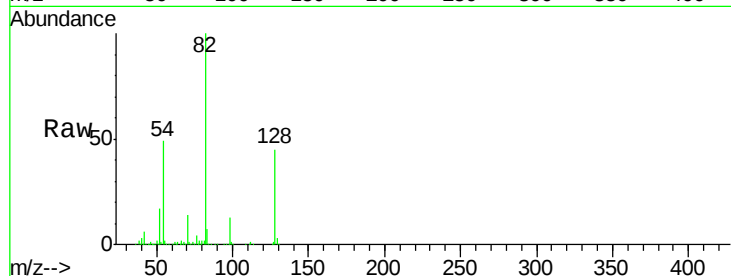




#19
n-Nitroso-di-n-propylamine
Concen: 21.91 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.15 min
Lab File: BF091654.D
Acq: 16 Dec 2016 4:43

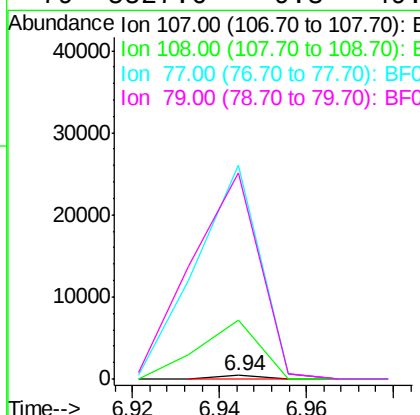
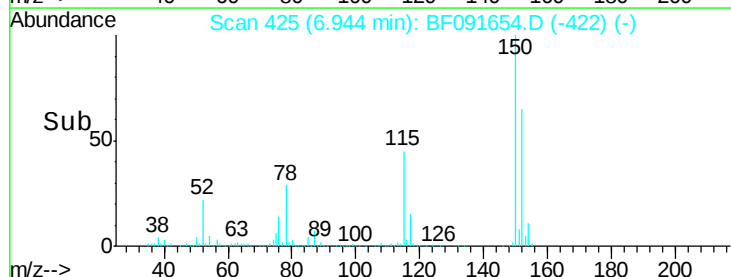
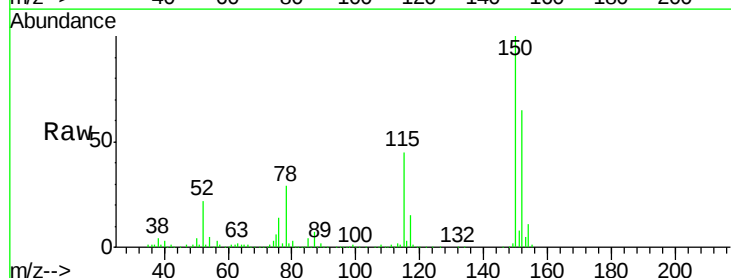
Instrument :
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120916-DSDC-E-U-M

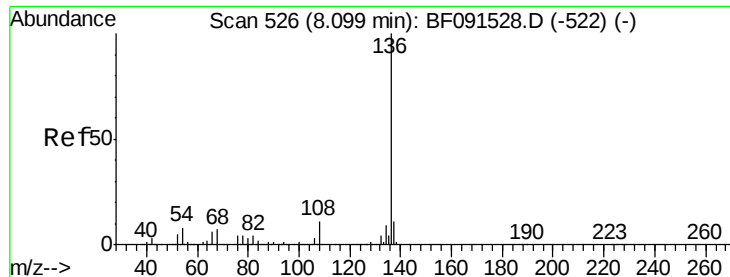
Tgt Ion: 70 Resp: 226618
Ion Ratio Lower Upper
70 100
42 46.3 64.8 97.2#
101 0.0 6.2 9.4#
130 2.3 11.7 17.5#



#20
3+4-Methylphenols
Concen: Below Cal
RT: 6.94 min Scan# 425
Delta R.T. -0.26 min
Lab File: BF091654.D
Acq: 16 Dec 2016 4:43

Tgt Ion:107 Resp: 311
Ion Ratio Lower Upper
107 100
108 1593.8 64.6 104.6#
77 5744.8 30.9 70.9#
79 5527.6 9.3 49.3#

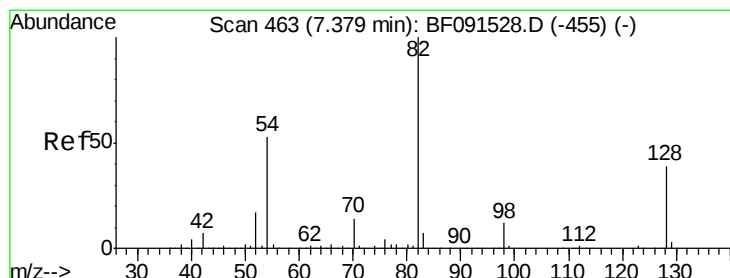
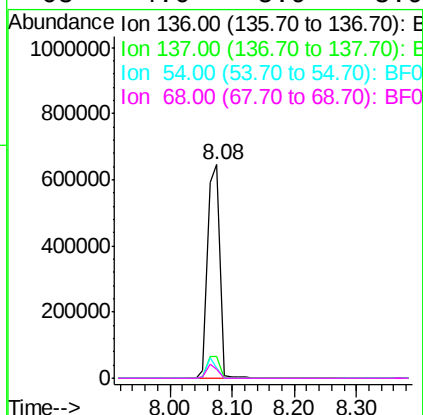
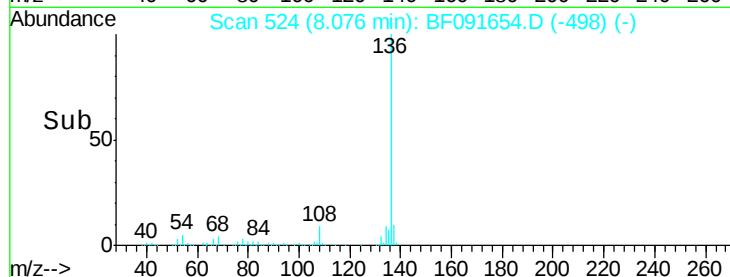
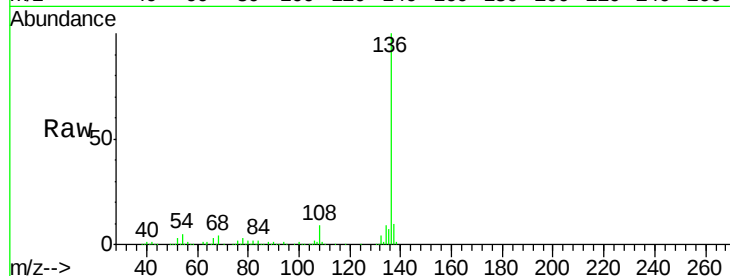




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. 0.00 min
Lab File: BF091654.D
Acq: 16 Dec 2016 4:43

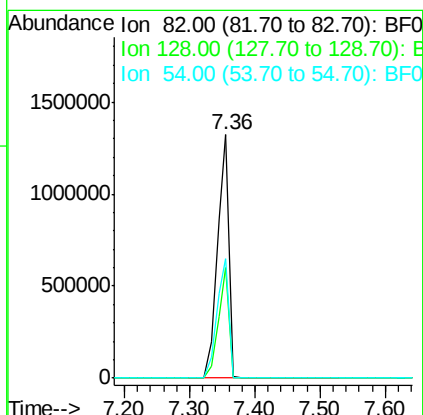
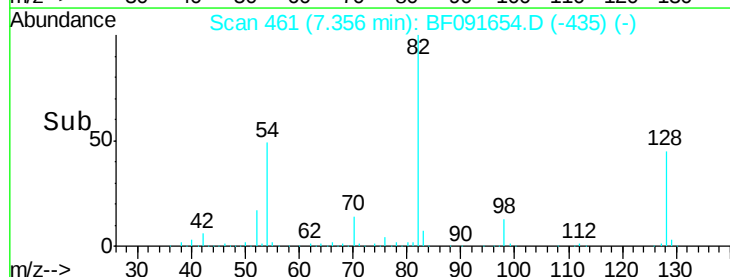
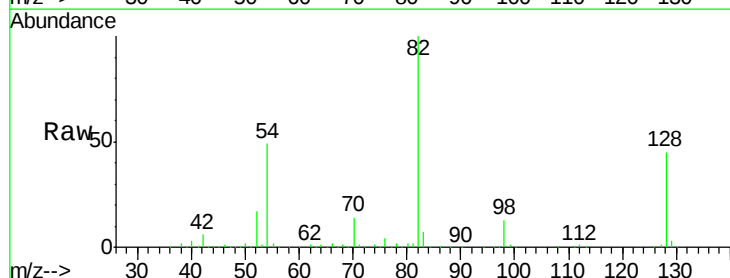
Instrument :
BNA_F
ClientSampleId :
120916-DSDC-E-U-M

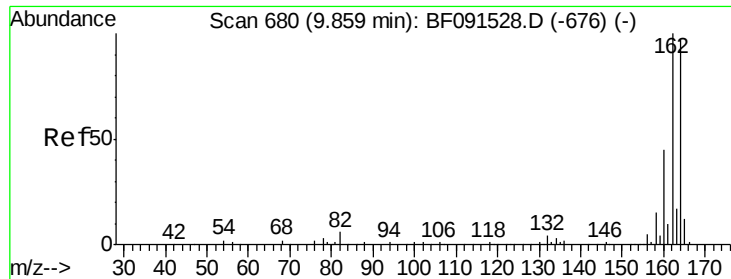
Tgt Ion:	136	Resp:	883589
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	4.7	9.1	13.7#
68	4.0	5.9	8.9#



#23
Nitrobenzene-d5
Concen: 104.49 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.00 min
Lab File: BF091654.D
Acq: 16 Dec 2016 4:43

Tgt Ion:	82	Resp:	1654276
Ion	Ratio	Lower	Upper
82	100		
128	45.1	31.8	47.6
54	49.3	49.1	73.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF091654.D

Acq: 16 Dec 2016 4:43

Instrument :

BNA_F

ClientSampleId :

120916-DSDC-E-U-M

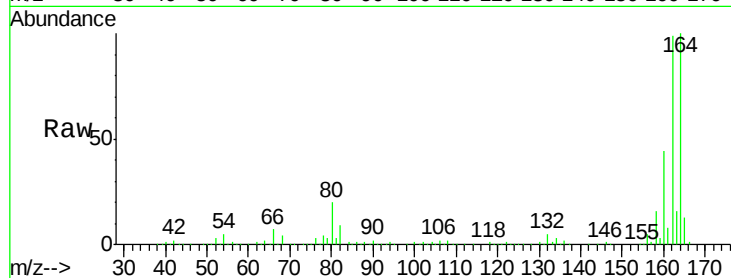
Tgt Ion:164 Resp: 565444

Ion Ratio Lower Upper

164 100

162 98.5 82.6 124.0

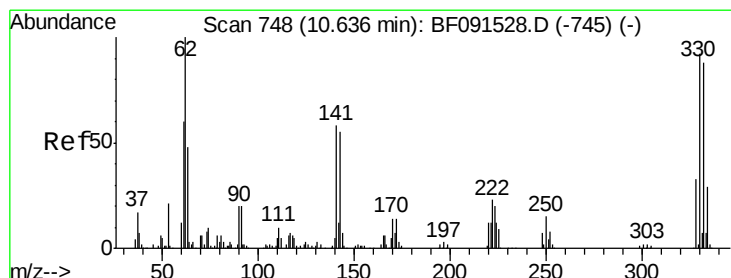
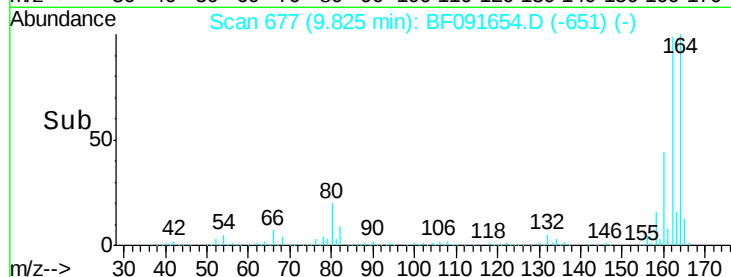
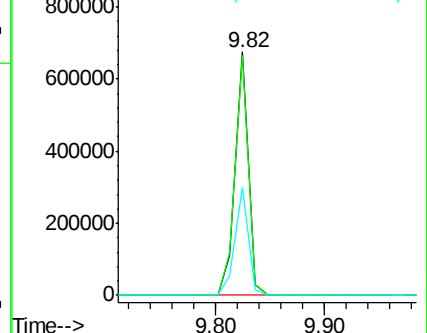
160 44.3 36.7 55.1



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: 63.28 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF091654.D

Acq: 16 Dec 2016 4:43

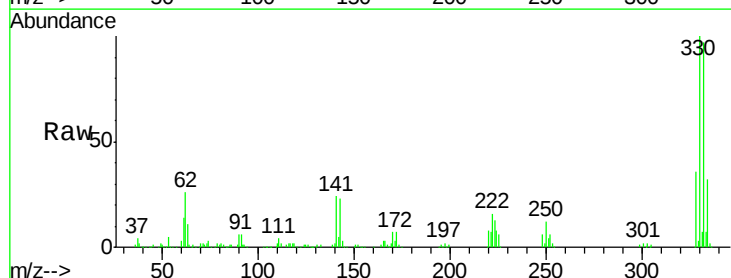
Tgt Ion:330 Resp: 297186

Ion Ratio Lower Upper

330 100

332 96.8 76.2 114.4

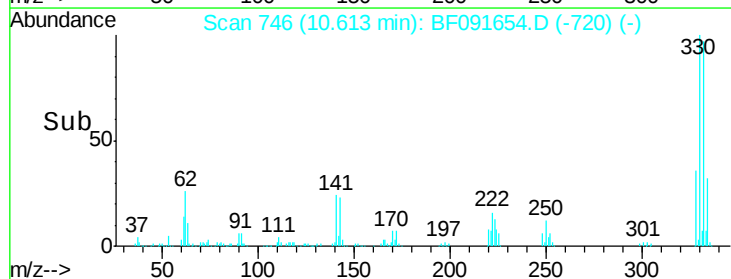
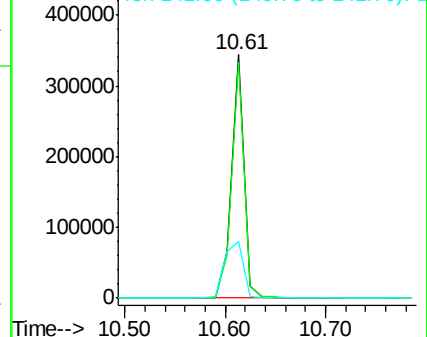
141 35.0 33.6 50.4

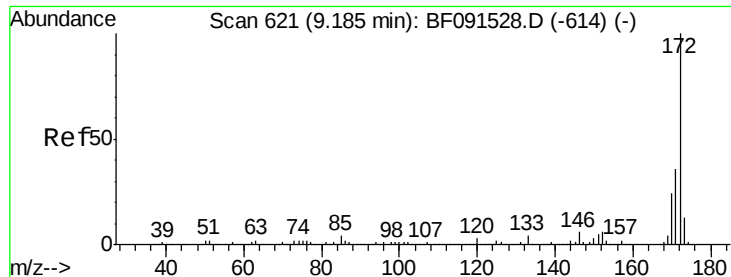


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

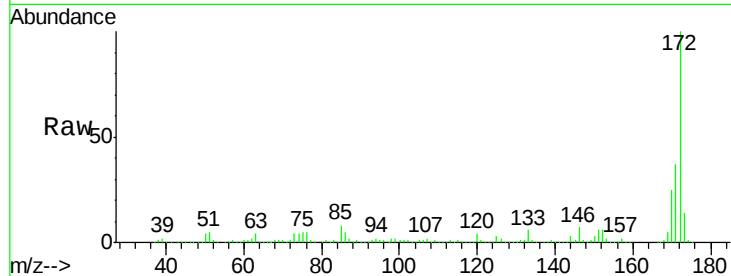




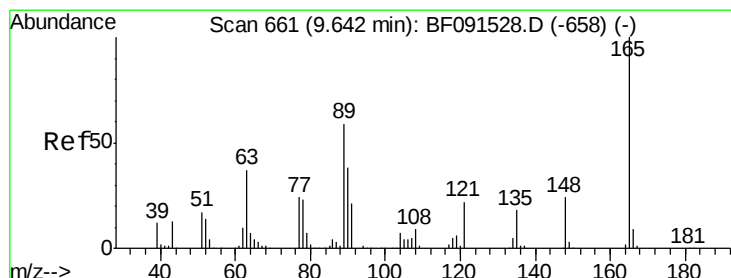
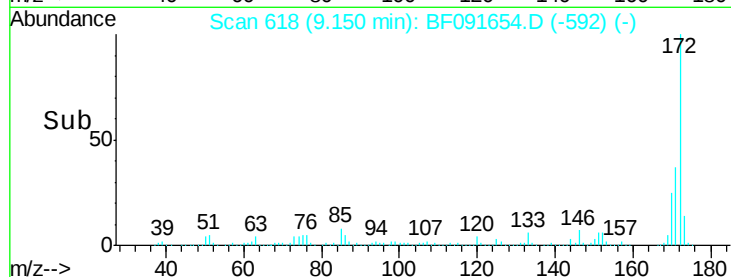
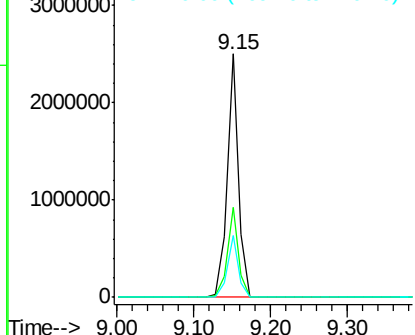
#44
 2-Fluorobiphenyl
 Concen: 80.46 ng
 RT: 9.15 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: BF091654.D
 Acq: 16 Dec 2016 4:43

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 120916-DSDC-E-U-M

Tgt Ion:172 Resp: 2632875
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.0
 170 25.1 19.7 29.5

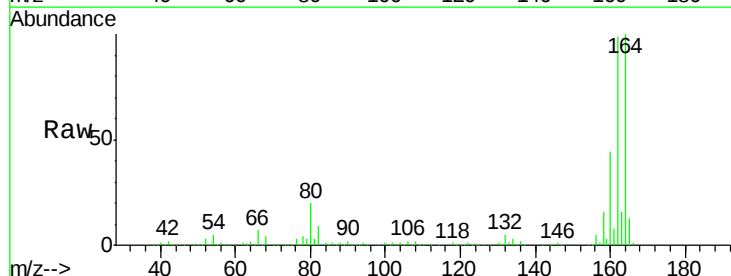


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

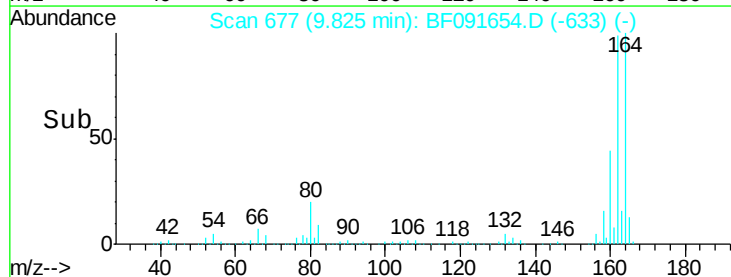
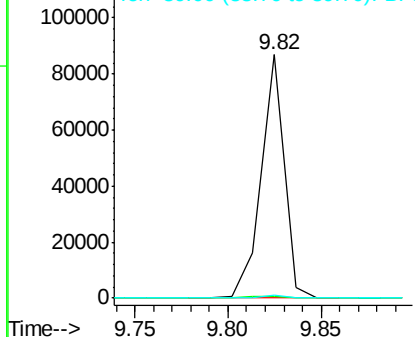


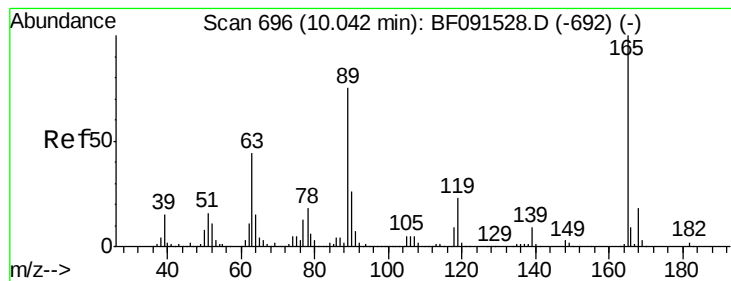
#50
 2,6-Dinitrotoluene
 Concen: 9.37 ng
 RT: 9.82 min Scan# 677
 Delta R.T. 0.21 min
 Lab File: BF091654.D
 Acq: 16 Dec 2016 4:43

Tgt Ion:165 Resp: 73630
 Ion Ratio Lower Upper
 165 100
 63 0.9 59.4 89.0#
 89 1.1 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: 7.48 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.19 min

Lab File: BF091654.D

Acq: 16 Dec 2016 4:43

Instrument :

BNA_F

ClientSampleId :

120916-DSDC-E-U-M

Tgt Ion:165 Resp: 73634

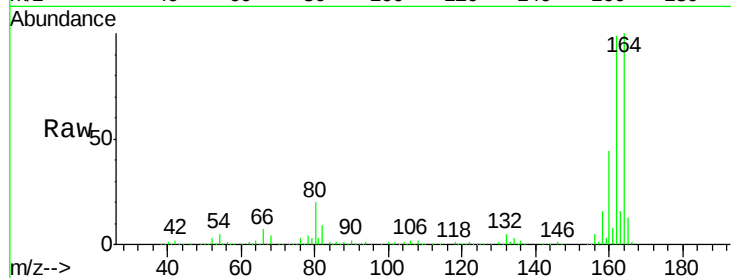
Ion Ratio Lower Upper

165 100

63 0.9 29.0 43.4#

89 1.1 43.1 64.7#

182 0.0 1.9 2.9#

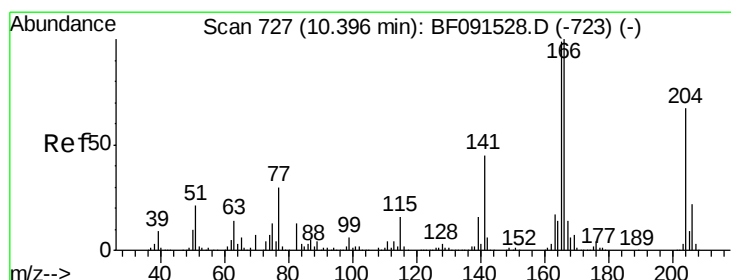
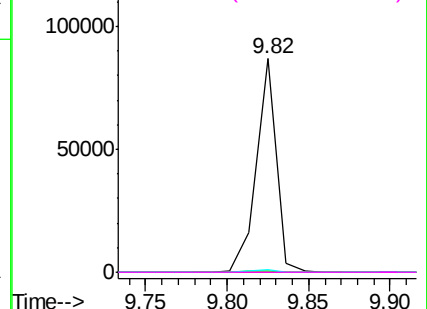
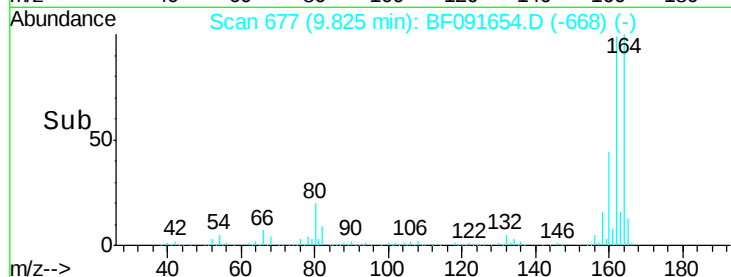


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.37 min Scan# 725

Delta R.T. -0.00 min

Lab File: BF091654.D

Acq: 16 Dec 2016 4:43

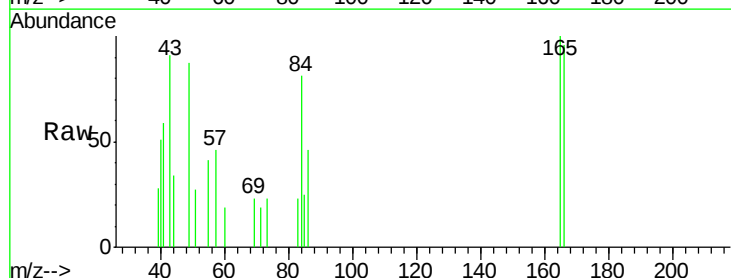
Tgt Ion:166 Resp: 1745

Ion Ratio Lower Upper

166 100

165 103.7 80.0 120.0

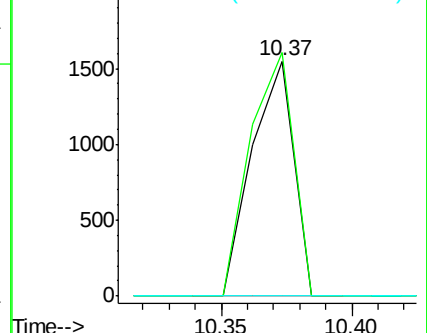
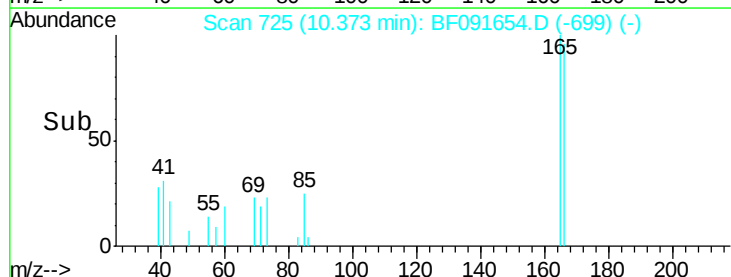
167 0.0 10.8 16.2#

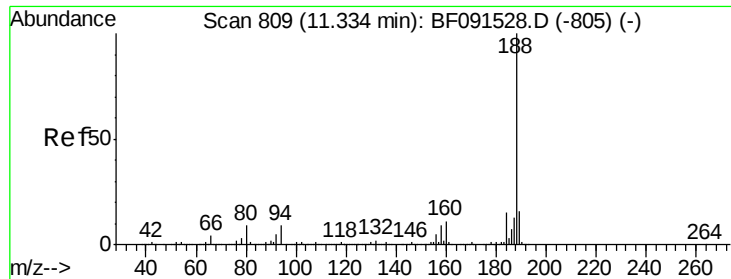


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

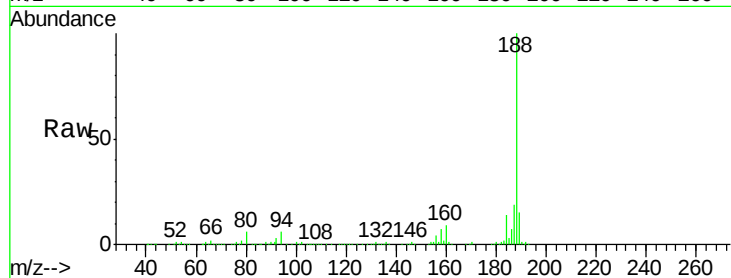




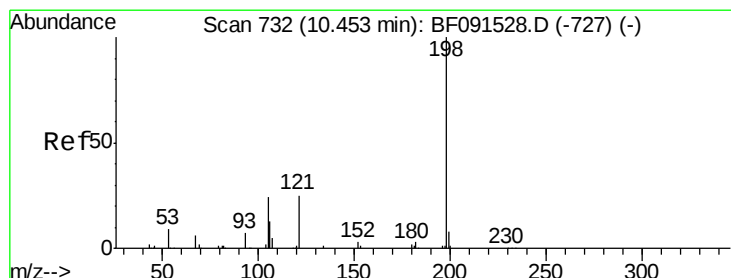
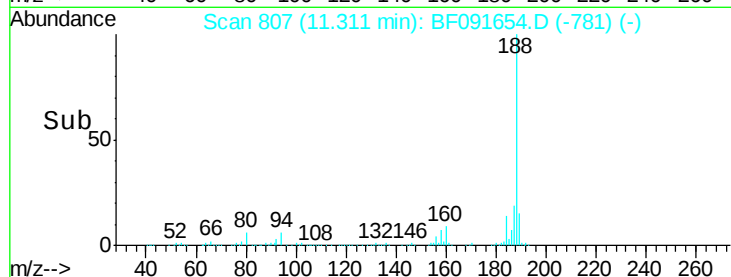
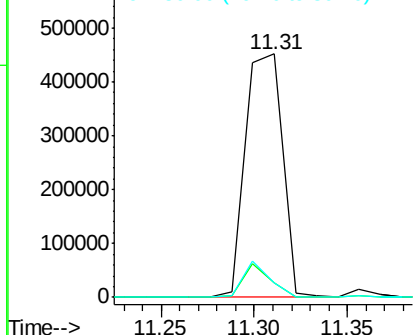
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF091654.D
Acq: 16 Dec 2016 4:43

Instrument :
BNA_F
ClientSampleId :
120916-DSDC-E-U-M

Tgt Ion:188 Resp: 623677
Ion Ratio Lower Upper
188 100
94 5.8 9.2 13.8#
80 5.9 10.5 15.7#

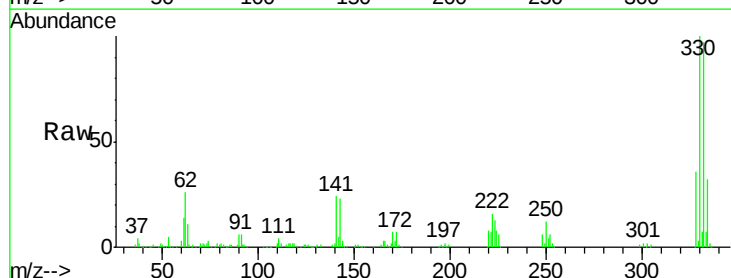


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

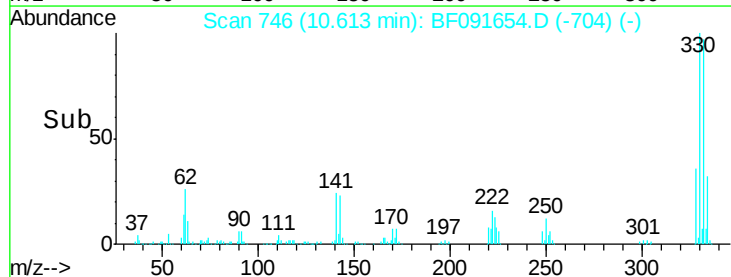
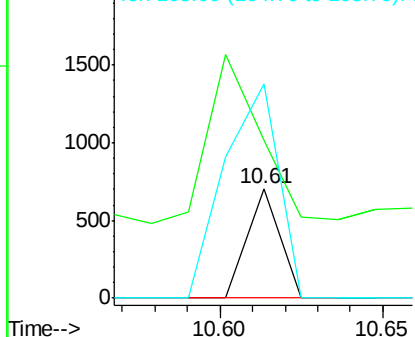


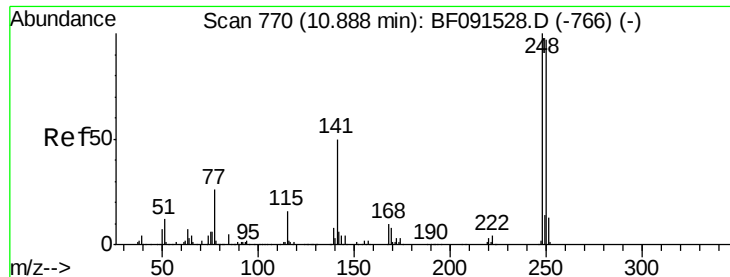
#64
4,6-Dinitro-2-methylphenol
Concen: 3.06 ng
RT: 10.61 min Scan# 746
Delta R.T. 0.18 min
Lab File: BF091654.D
Acq: 16 Dec 2016 4:43

Tgt Ion:198 Resp: 483
Ion Ratio Lower Upper
198 100
51 144.7 77.1 117.1#
105 195.2 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

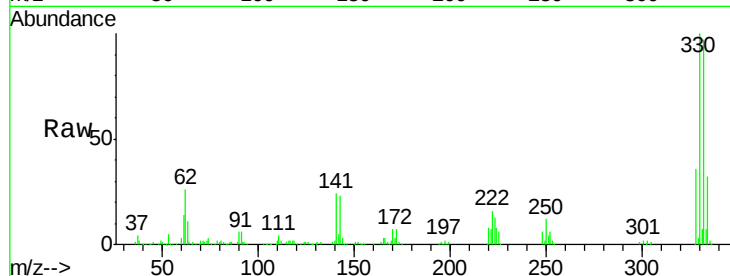




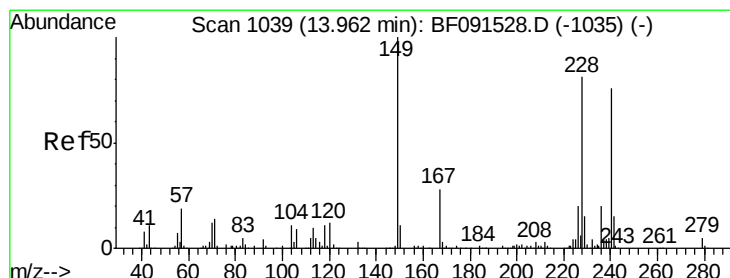
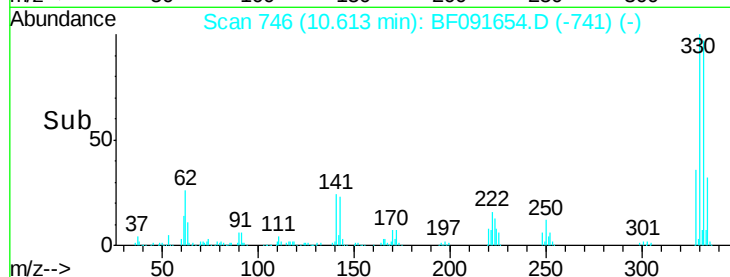
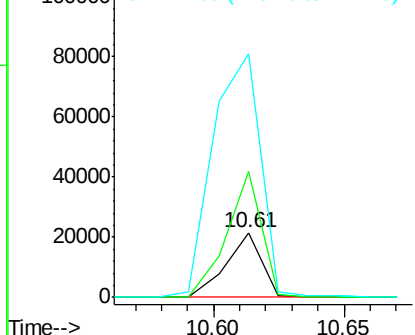
#66
4-Bromophenyl-phenylether
Concen: 3.19 ng
RT: 10.61 min Scan# 746
Delta R.T. -0.24 min
Lab File: BF091654.D
Acq: 16 Dec 2016 4:43

Instrument :
BNA_F
ClientSampleId :
120916-DSDC-E-U-M

Tgt Ion:248 Resp: 20405
Ion Ratio Lower Upper
248 100
250 195.6 78.2 117.4#
141 376.6 71.9 107.9#

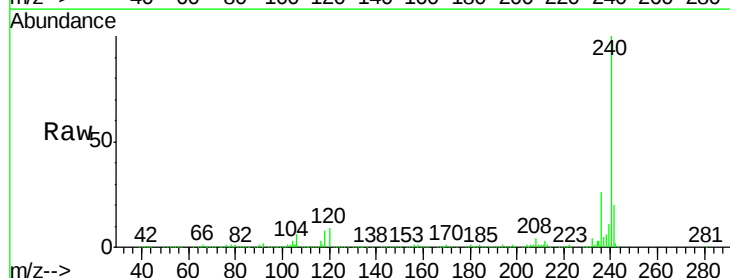


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

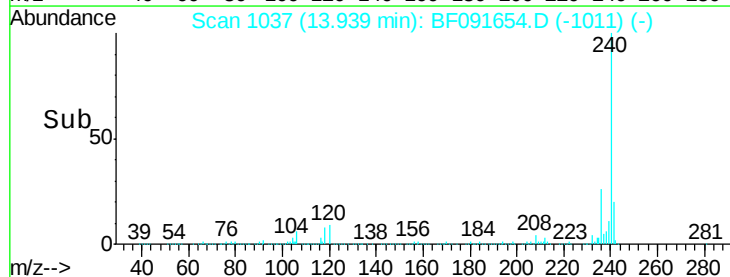
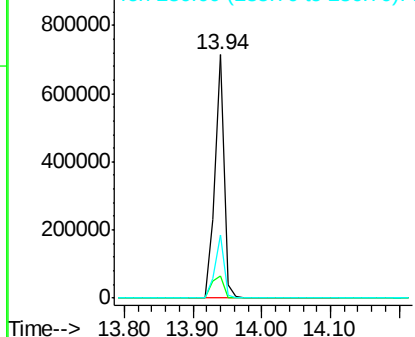


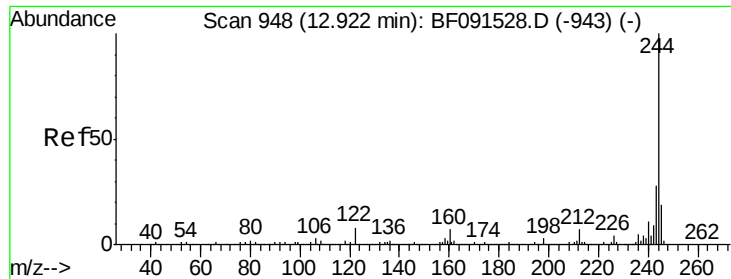
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.94 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BF091654.D
Acq: 16 Dec 2016 4:43

Tgt Ion:240 Resp: 687033
Ion Ratio Lower Upper
240 100
120 9.4 12.1 18.1#
236 25.7 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

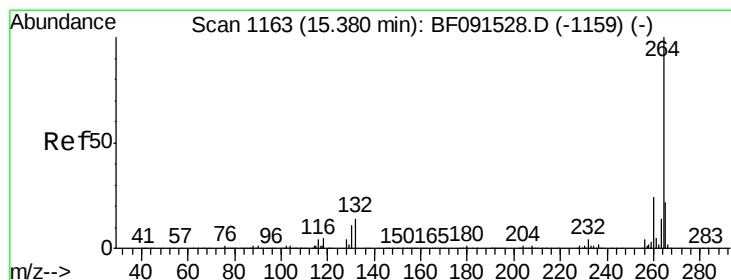
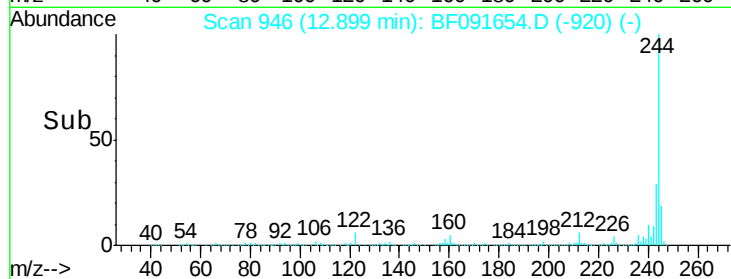
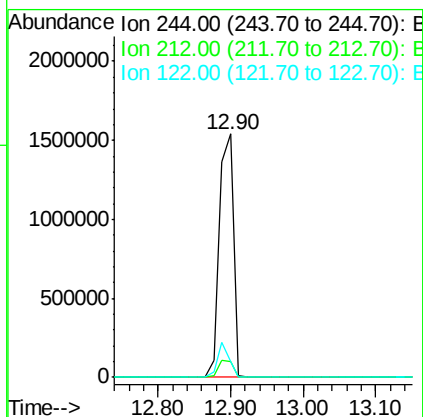
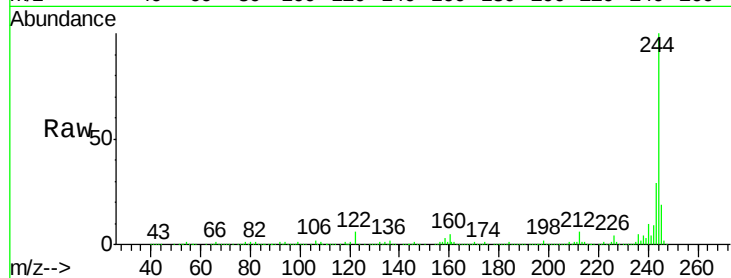




#78
 Terphenyl-d14
 Concen: 69.00 ng
 RT: 12.90 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: BF091654.D
 Acq: 16 Dec 2016 4:43

Instrument :
 BNA_F
 ClientSampleId :
 120916-DSDC-E-U-M

Tgt Ion:244 Resp: 2089070
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.5 9.7#
 122 6.5 9.5 14.3#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.35 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: BF091654.D
 Acq: 16 Dec 2016 4:43

Tgt Ion:264 Resp: 534068
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.8 28.2
 265 20.9 17.0 25.6

