

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020117\
 Data File : BF092721.D
 Acq On : 1 Feb 2017 22:58
 Operator : SJ/MA
 Sample : I1597-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-27-COMP

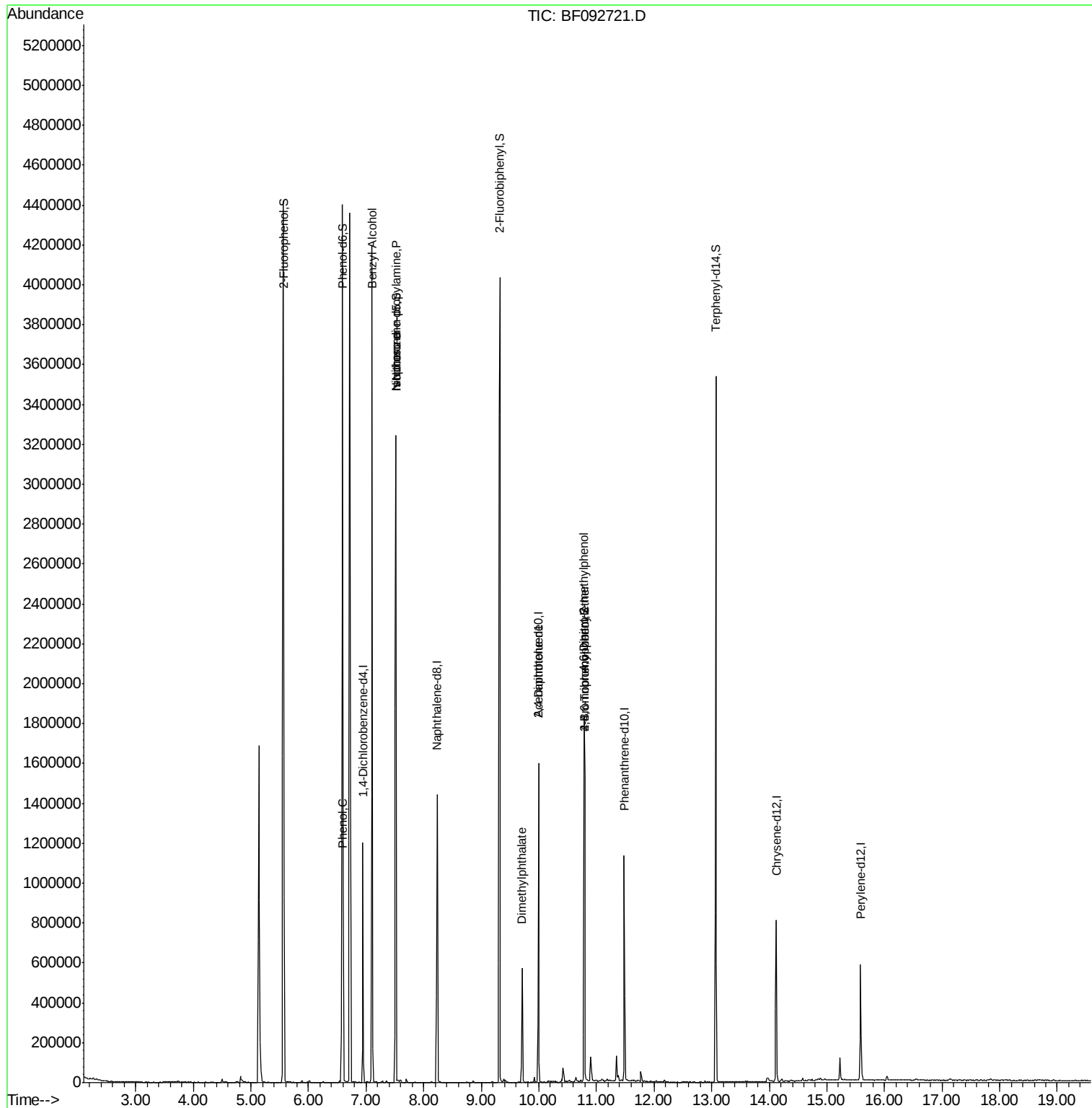
Quant Time: Feb 01 23:54:00 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	160551	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	650032	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	327617	20.00	ng	-0.01
63) Phenanthrene-d10	11.48	188	443403	20.00	ng	-0.01
75) Chrysene-d12	14.12	240	314577	20.00	ng	-0.02
86) Perylene-d12	15.59	264	256476	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	1341937	143.40	ng	-0.01
7) Phenol-d6	6.59	99	1711853	142.17	ng	-0.01
23) Nitrobenzene-d5	7.52	82	1255225	107.53	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	325912	137.54	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	1867173	103.25	ng	-0.01
78) Terphenyl-d14	13.07	244	1124634	84.00	ng	-0.01
Target Compounds						
10) Phenol	6.60	94	186807	13.26	ng	# 69
15) Benzyl Alcohol	7.10	79	18851	2.11	ng	# 28
19) n-Nitroso-di-n-propylamine	7.52	70	168046	21.92	ng	# 79
25) Isophorone	7.52	82	1202896	55.30	ng	# 65
49) Dimethylphthalate	9.71	163	208521	9.45	ng	100
56) 2,4-Dinitrotoluene	10.00	165	42054	6.63	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.78	198	670	2.90	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	23806	5.14	ng	# 1

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

```
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Sample    : I1597-04  
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ALS Vial  : 21 Sample Multiplier: 1
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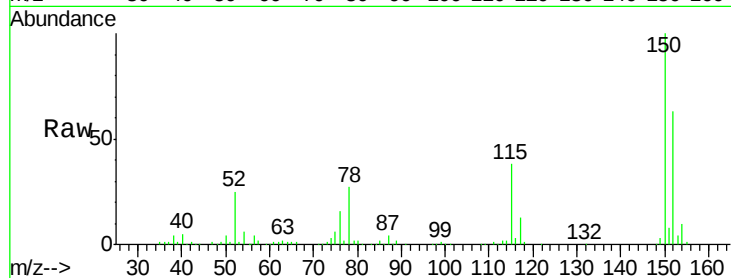


#1

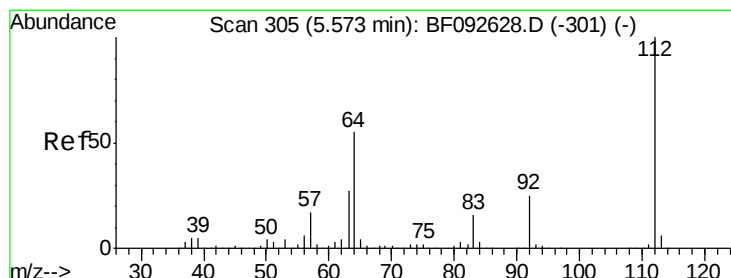
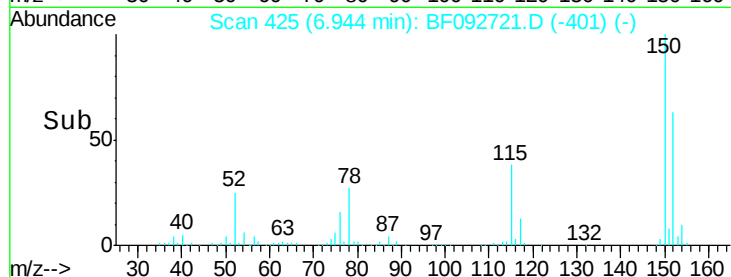
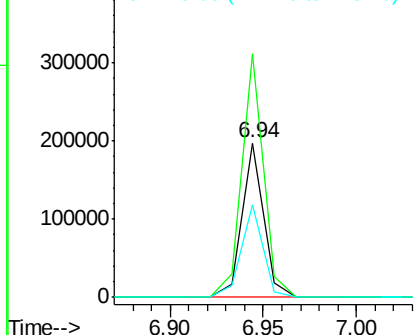
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 425
Delta R.T. -0.02 min
Lab File: BF092721.D
Acq: 1 Feb 2017 22:58

Instrument :
BNA_F
ClientSampleId :
SB-27-COMP

Tgt Ion:152 Resp: 160551
Ion Ratio Lower Upper
152 100
150 157.5 124.9 187.3
115 60.2 46.0 69.0



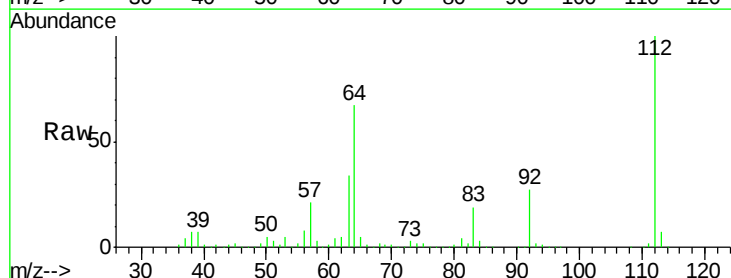
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



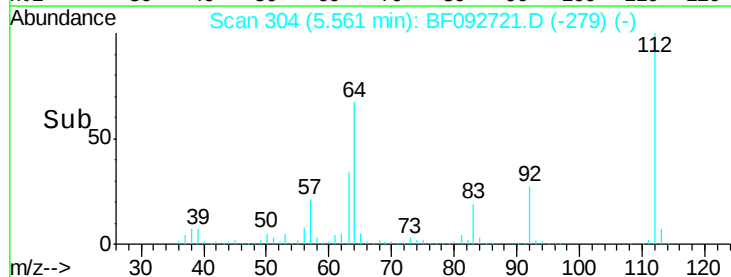
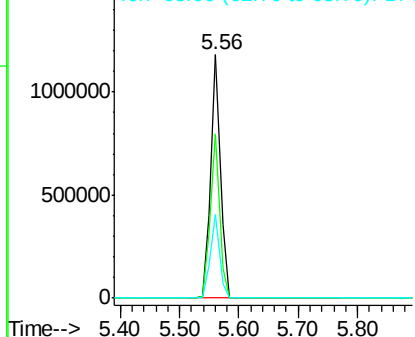
#5

2-Fluorophenol
Concen: 143.40 ng
RT: 5.56 min Scan# 304
Delta R.T. -0.01 min
Lab File: BF092721.D
Acq: 1 Feb 2017 22:58

Tgt Ion:112 Resp: 1341937
Ion Ratio Lower Upper
112 100
64 67.4 46.1 69.1
63 34.3 23.8 35.6



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: 142.17 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF092721.D

Acq: 1 Feb 2017 22:58

Instrument :

BNA_F

ClientSampleId :

SB-27-COMP

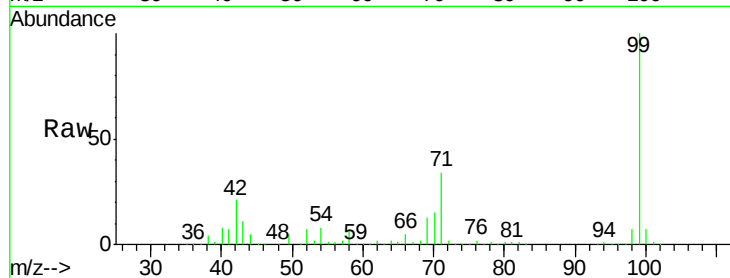
Tgt Ion: 99 Resp: 1711853

Ion Ratio Lower Upper

99 100

42 20.8 15.6 23.4

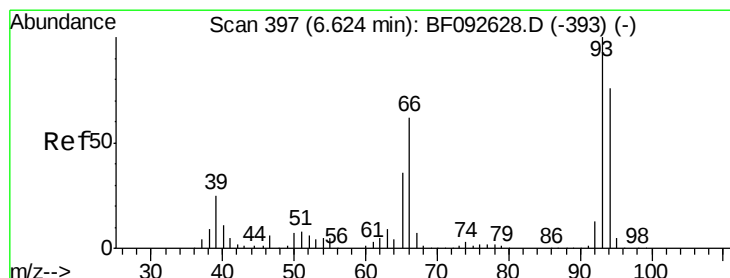
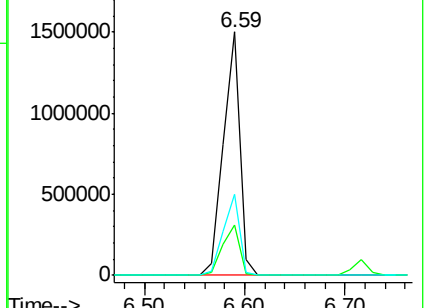
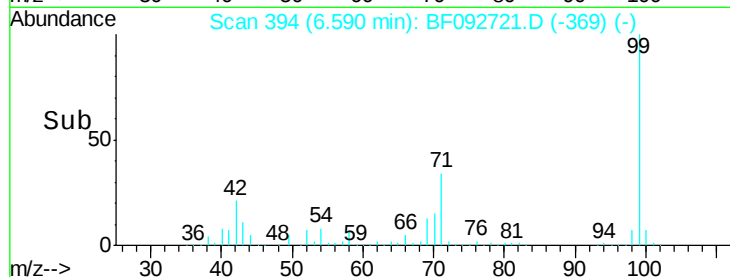
71 33.5 27.5 41.3



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



#10

Phenol

Concen: 13.26 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.02 min

Lab File: BF092721.D

Acq: 1 Feb 2017 22:58

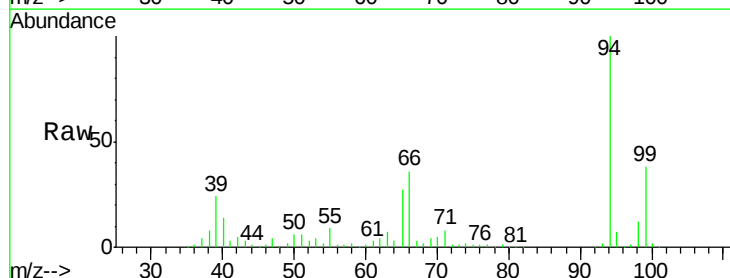
Tgt Ion: 94 Resp: 186807

Ion Ratio Lower Upper

94 100

65 27.0 21.4 61.4

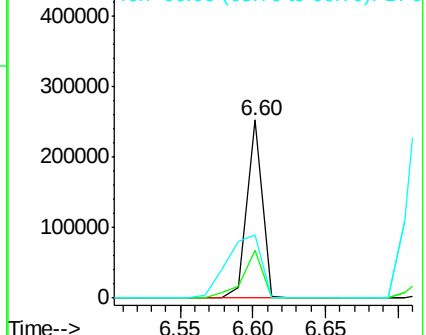
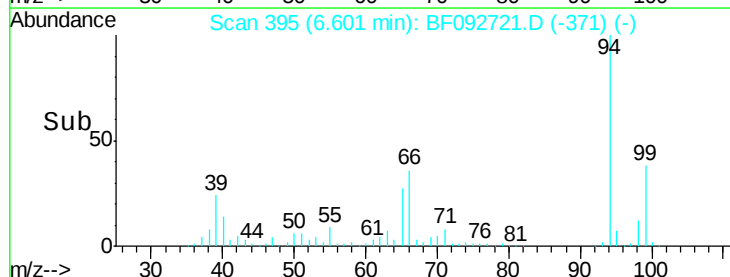
66 35.7 44.0 84.0#

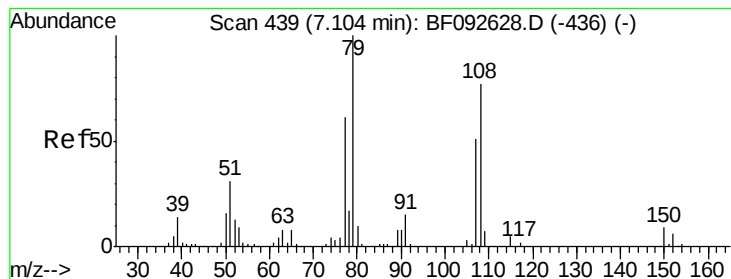


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.11 ng

RT: 7.10 min Scan# 439

Delta R.T. -0.00 min

Lab File: BF092721.D

Acq: 1 Feb 2017 22:58

Instrument :

BNA_F

ClientSampleId :

SB-27-COMP

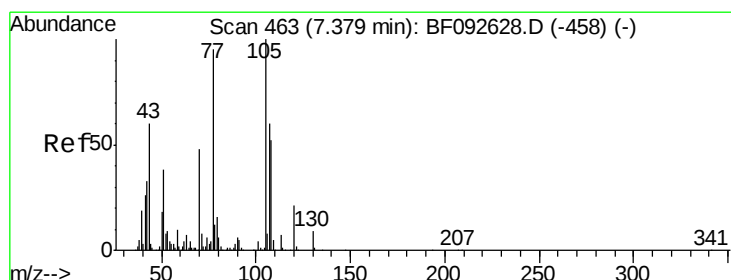
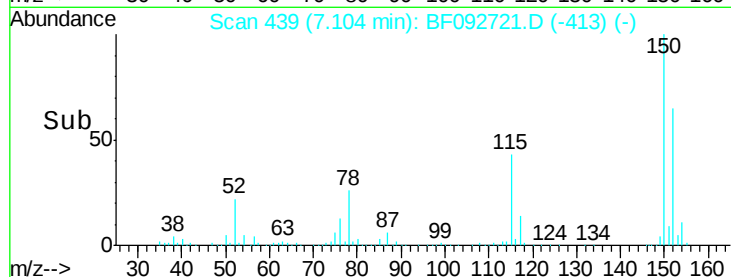
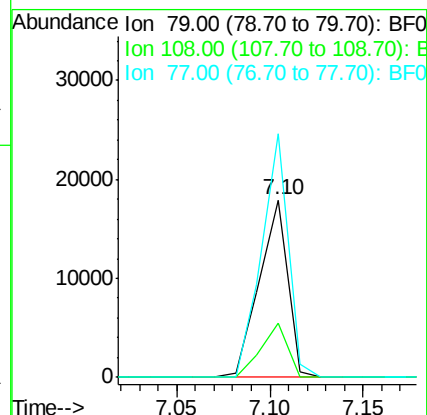
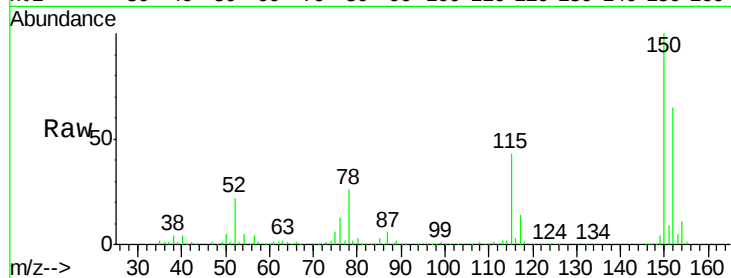
Tgt Ion: 79 Resp: 18851

Ion Ratio Lower Upper

79 100

108 30.3 61.4 92.0#

77 137.3 50.9 76.3#



#19

n-Nitroso-di-n-propylamine

Concen: 21.92 ng

RT: 7.52 min Scan# 475

Delta R.T. 0.14 min

Lab File: BF092721.D

Acq: 1 Feb 2017 22:58

Tgt Ion: 70 Resp: 168046

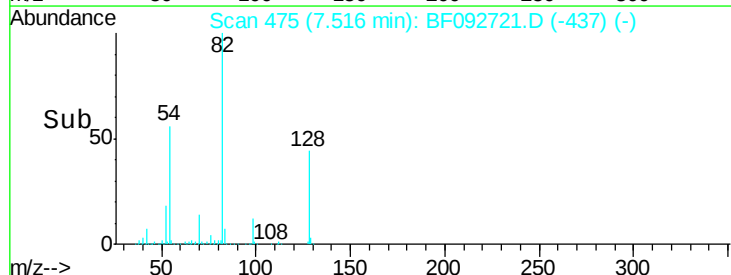
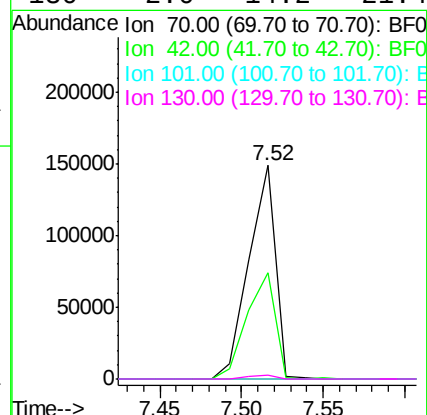
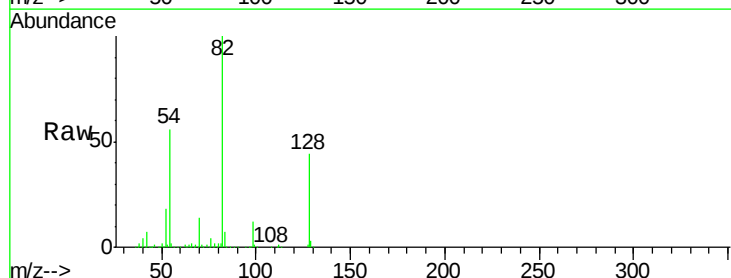
Ion Ratio Lower Upper

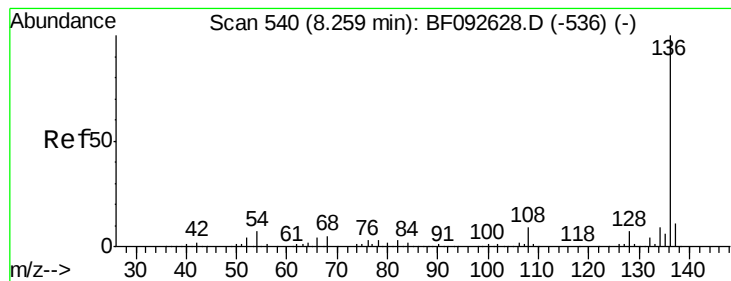
70 100

42 49.5 49.4 74.0

101 0.0 7.4 11.2#

130 2.0 14.2 21.4#

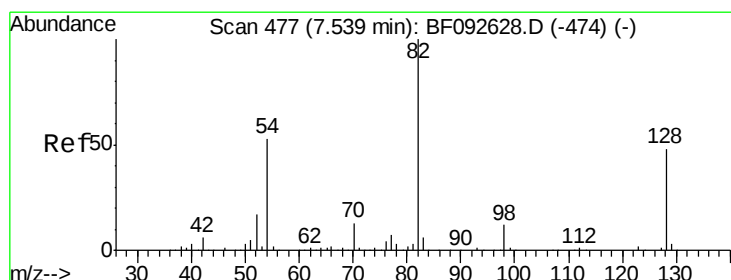
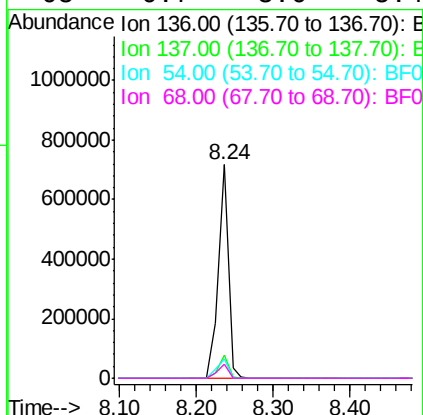
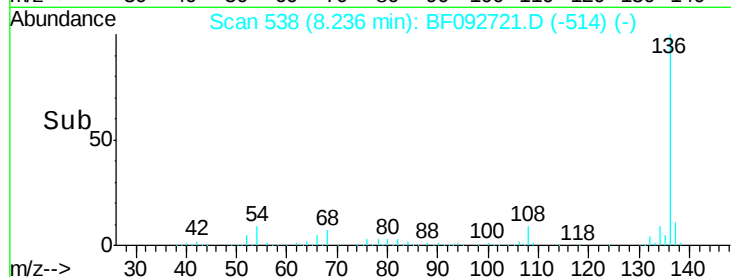
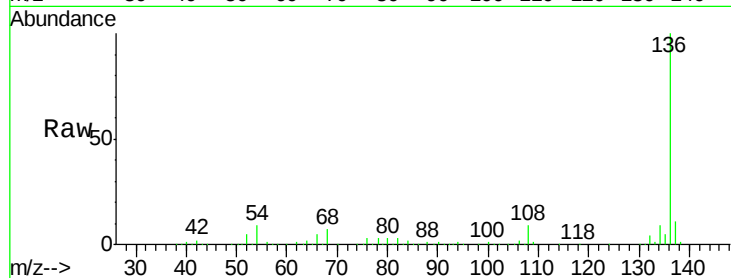




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 538
Delta R.T. -0.02 min
Lab File: BF092721.D
Acq: 1 Feb 2017 22:58

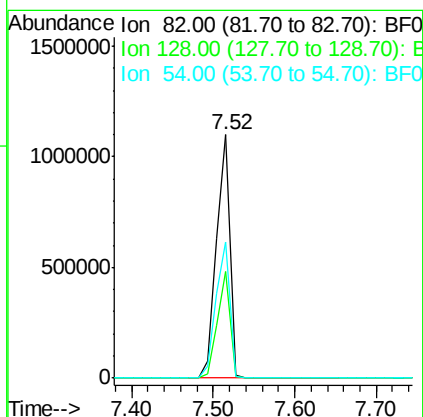
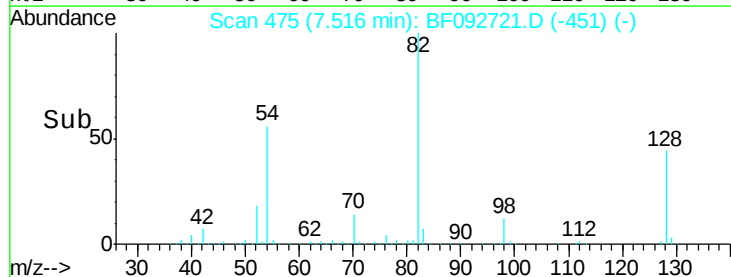
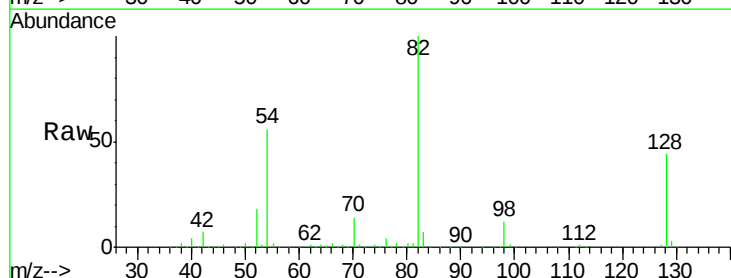
Instrument :
BNA_F
ClientSampleId :
SB-27-COMP

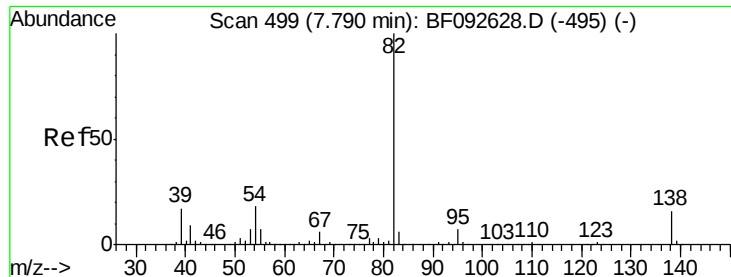
Tgt Ion: 136 Resp: 650032
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 9.2 4.5 6.7#
68 6.7 3.6 5.4#



#23
Nitrobenzene-d5
Concen: 107.53 ng
RT: 7.52 min Scan# 475
Delta R.T. -0.02 min
Lab File: BF092721.D
Acq: 1 Feb 2017 22:58

Tgt Ion: 82 Resp: 1255225
Ion Ratio Lower Upper
82 100
128 43.7 34.6 52.0
54 55.8 39.5 59.3





#25

Isophorone

Concen: 55.30 ng

RT: 7.52 min Scan# 475

Delta R.T. -0.27 min

Lab File: BF092721.D

Acq: 1 Feb 2017 22:58

Instrument :

BNA_F

ClientSampleId :

SB-27-COMP

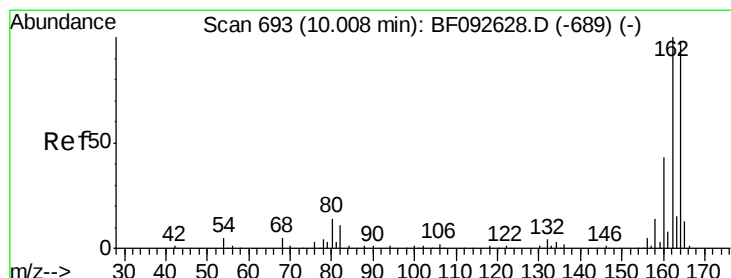
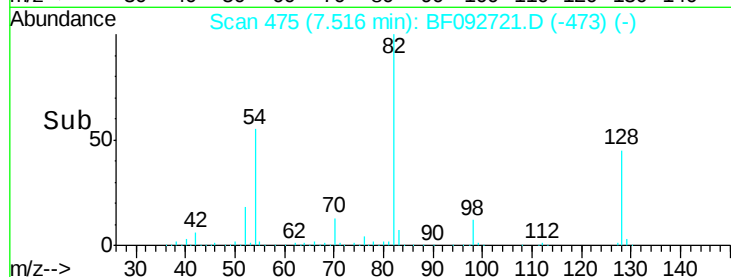
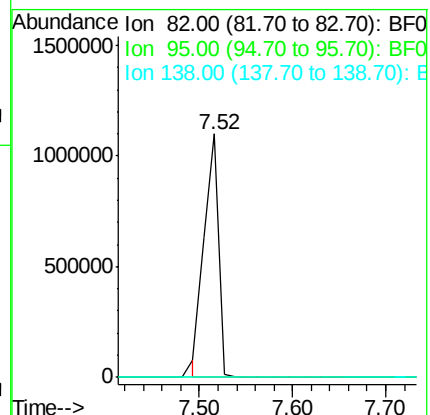
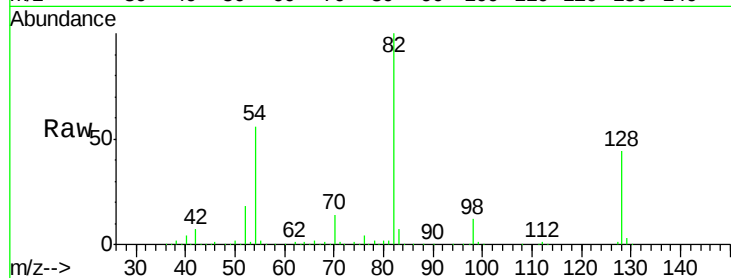
Tgt Ion: 82 Resp: 1202896

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.00 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF092721.D

Acq: 1 Feb 2017 22:58

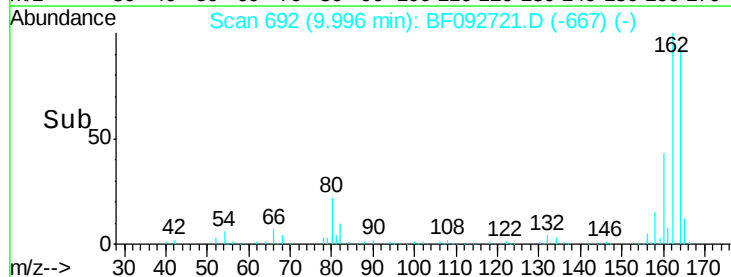
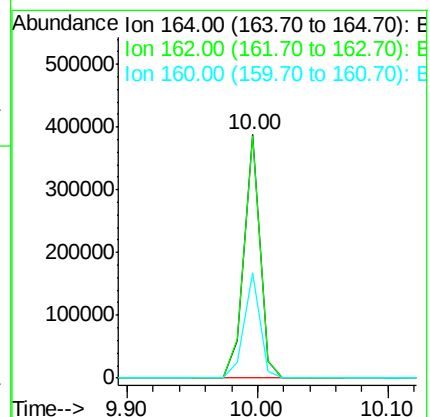
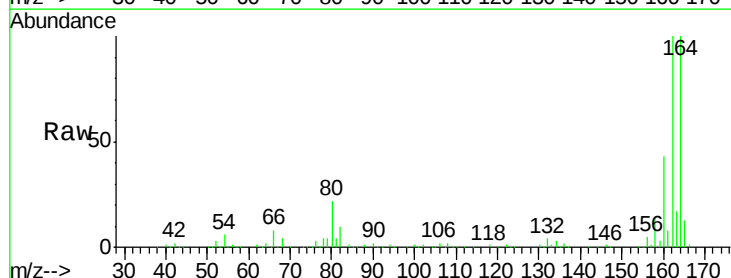
Tgt Ion: 164 Resp: 327617

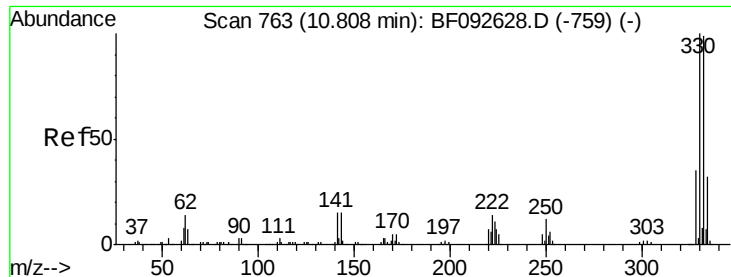
Ion Ratio Lower Upper

164 100

162 99.8 80.2 120.2

160 43.1 36.9 55.3

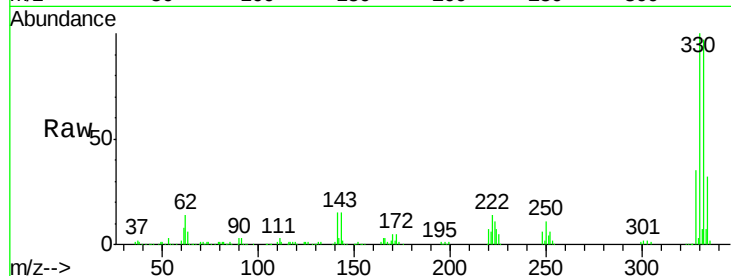




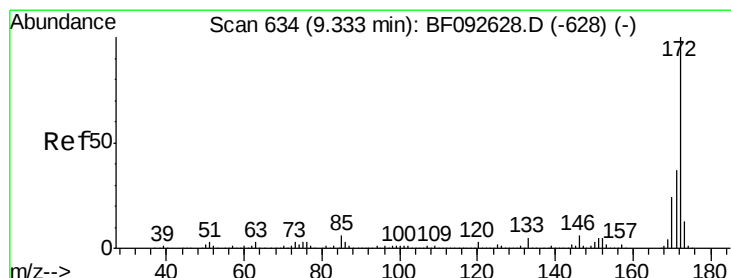
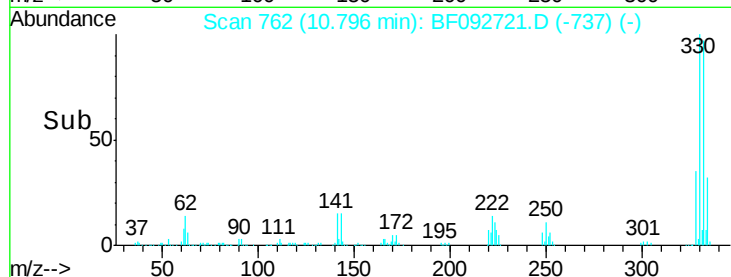
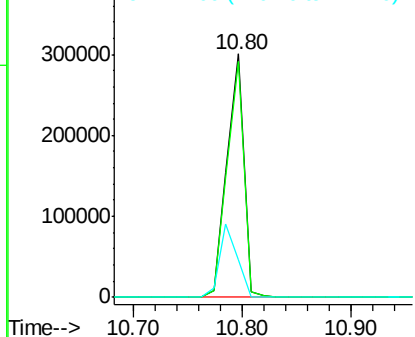
#41
 2,4,6-Tribromophenol
 Concen: 137.54 ng
 RT: 10.80 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: BF092721.D
 Acq: 1 Feb 2017 22:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-27-COMP

Tgt Ion:330 Resp: 325912
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.4 116.2
 141 31.7 34.1 51.1#

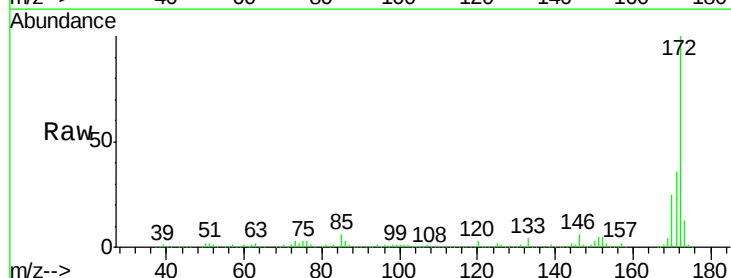


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

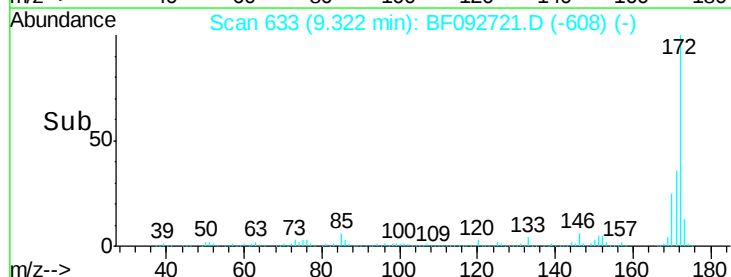
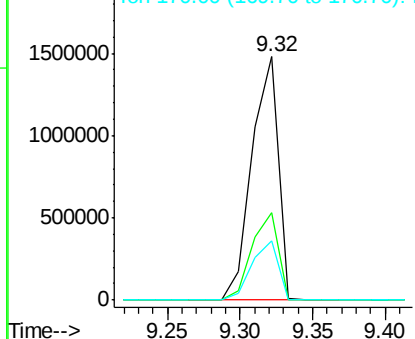


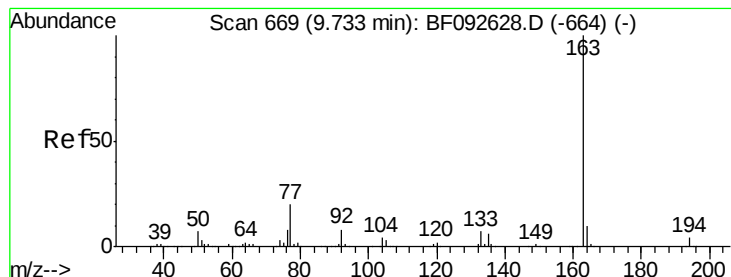
#44
 2-Fluorobiphenyl
 Concen: 103.25 ng
 RT: 9.32 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: BF092721.D
 Acq: 1 Feb 2017 22:58

Tgt Ion:172 Resp: 1867173
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 24.5 20.2 30.4



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: 9.45 ng

RT: 9.71 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF092721.D

Acq: 1 Feb 2017 22:58

Instrument :

BNA_F

ClientSampleId :

SB-27-COMP

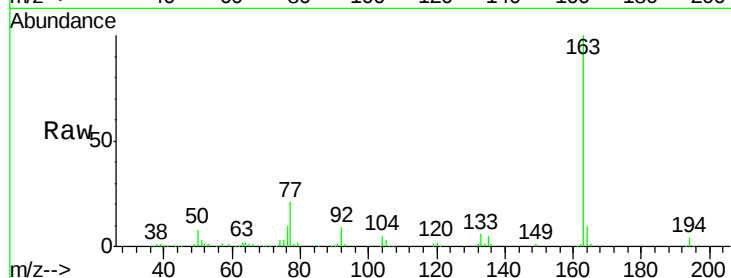
Tgt Ion:163 Resp: 208521

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

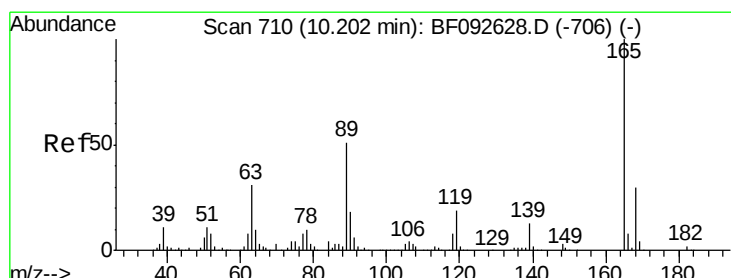
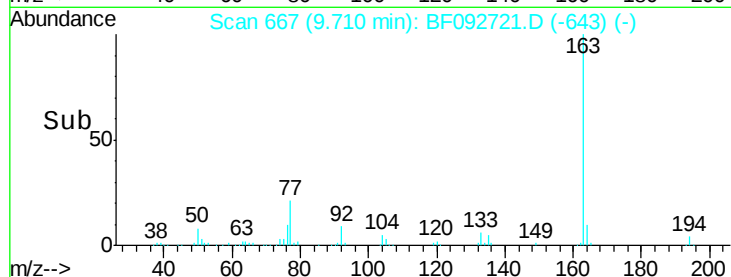
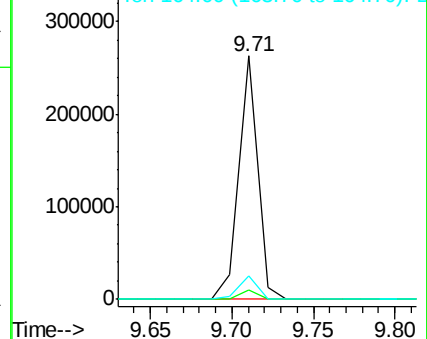
164 9.8 8.0 12.0



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



#56

2,4-Dinitrotoluene

Concen: 6.63 ng

RT: 10.00 min Scan# 692

Delta R.T. -0.21 min

Lab File: BF092721.D

Acq: 1 Feb 2017 22:58

Tgt Ion:165 Resp: 42054

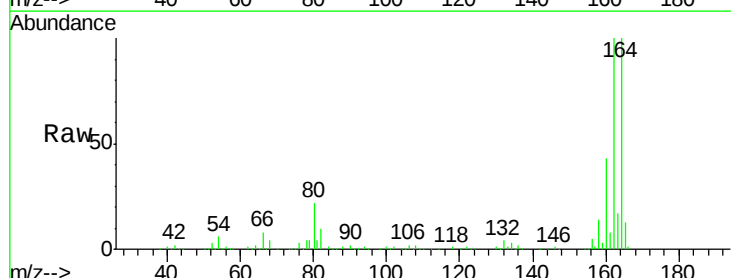
Ion Ratio Lower Upper

165 100

63 1.0 40.2 60.4#

89 0.0 62.5 93.7#

182 0.0 1.8 2.8#

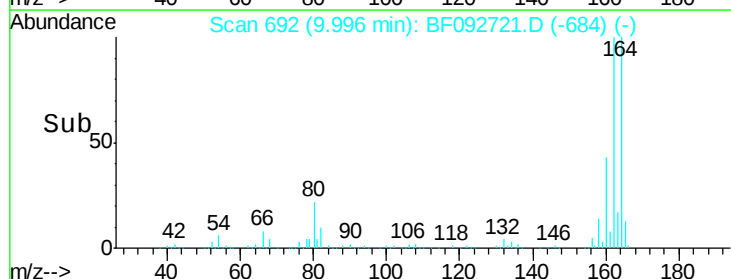
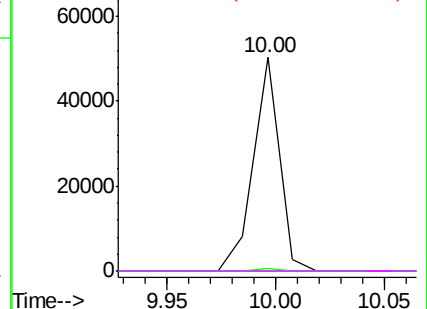


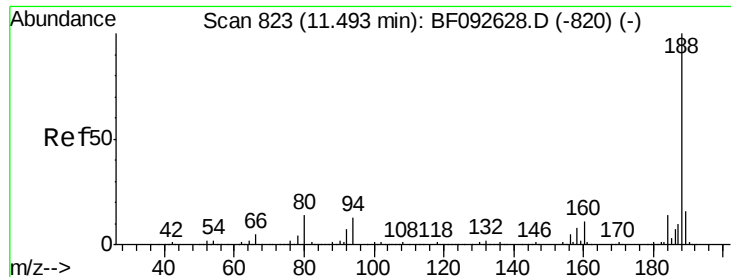
Abundance Ion 165.00 (164.70 to 165.70): E

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

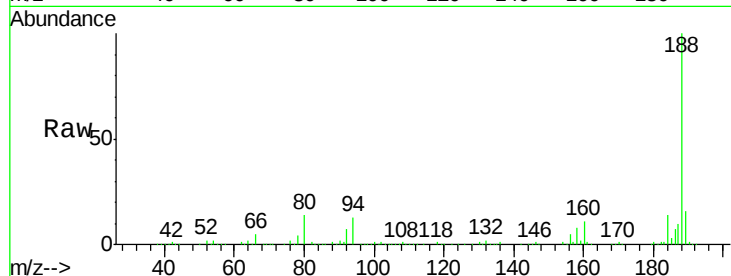




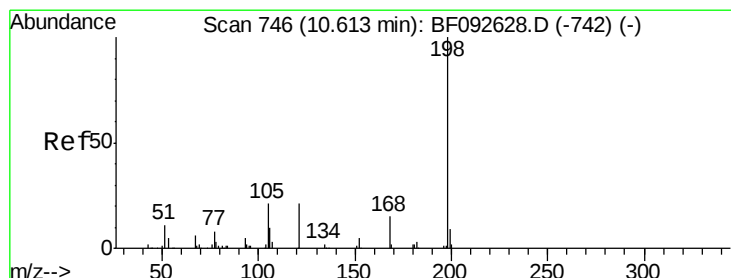
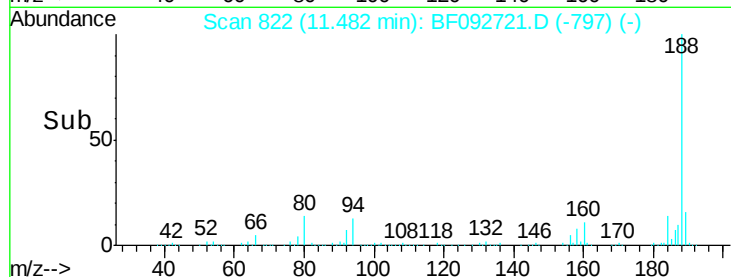
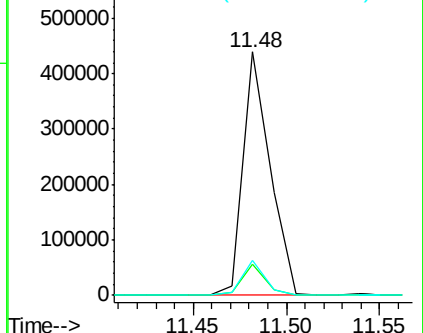
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.48 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF092721.D
Acq: 1 Feb 2017 22:58

Instrument :
BNA_F
ClientSampleId :
SB-27-COMP

Tgt Ion:188 Resp: 443403
Ion Ratio Lower Upper
188 100
94 13.0 10.0 15.0
80 14.2 11.2 16.8

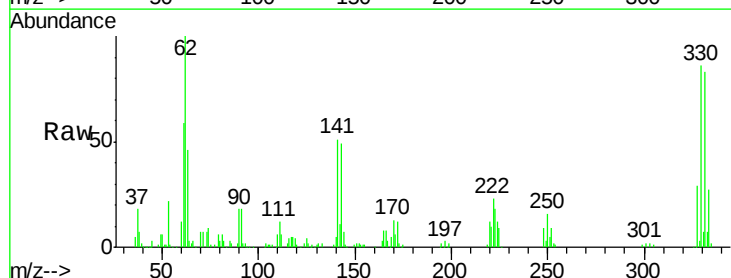


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

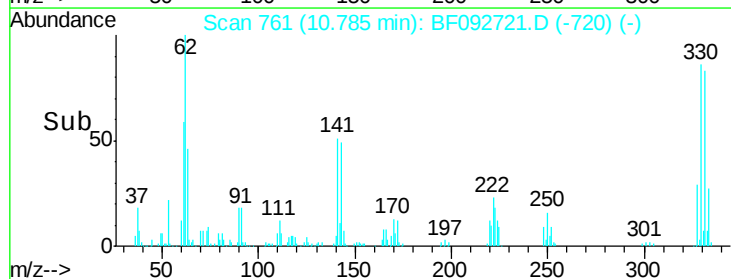
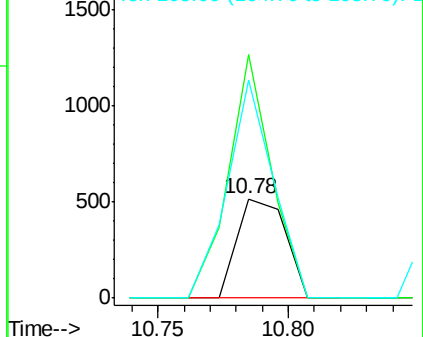


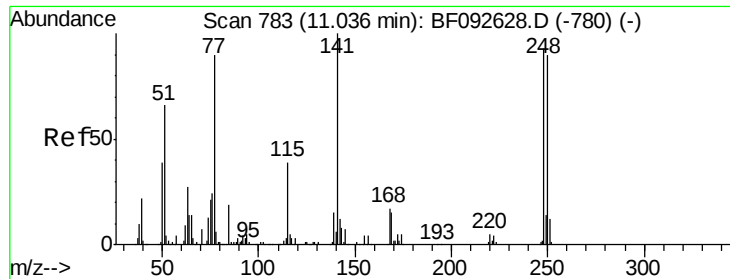
#64
4,6-Dinitro-2-methylphenol
Concen: 2.90 ng
RT: 10.78 min Scan# 761
Delta R.T. 0.17 min
Lab File: BF092721.D
Acq: 1 Feb 2017 22:58

Tgt Ion:198 Resp: 670
Ion Ratio Lower Upper
198 100
51 244.6 6.7 46.7#
105 219.5 16.6 56.6#



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: 5.14 ng

RT: 10.80 min Scan# 762

Delta R.T. -0.24 min

Lab File: BF092721.D

Acq: 1 Feb 2017 22:58

Instrument :

BNA_F

ClientSampleId :

SB-27-COMP

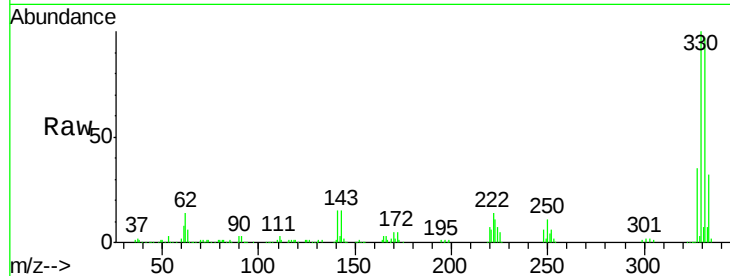
Tgt Ion:248 Resp: 23806

Ion Ratio Lower Upper

248 100

250 196.7 76.9 115.3#

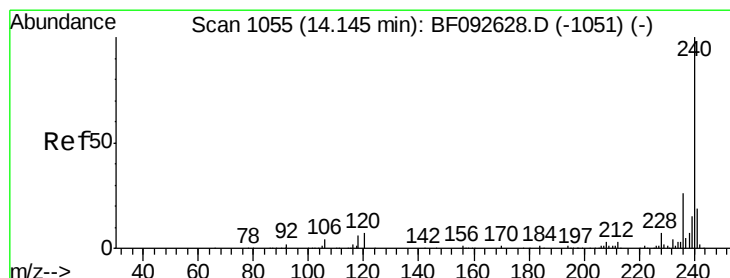
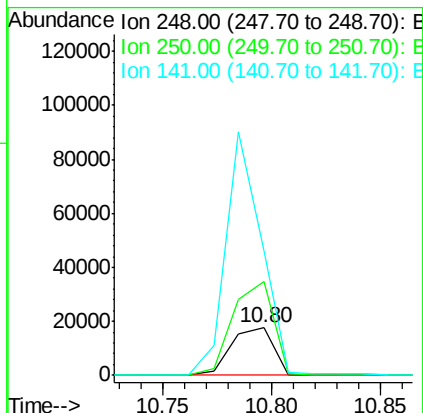
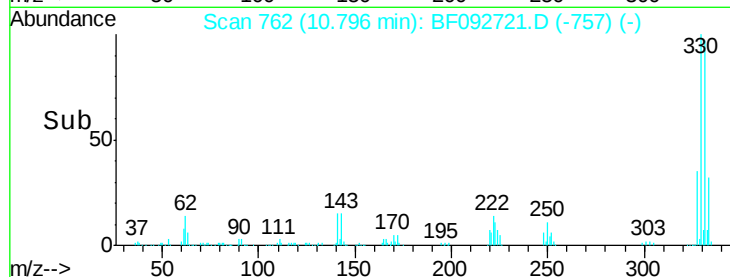
141 261.8 68.2 102.4#



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: 14.12 min Scan# 1053

Delta R.T. -0.02 min

Lab File: BF092721.D

Acq: 1 Feb 2017 22:58

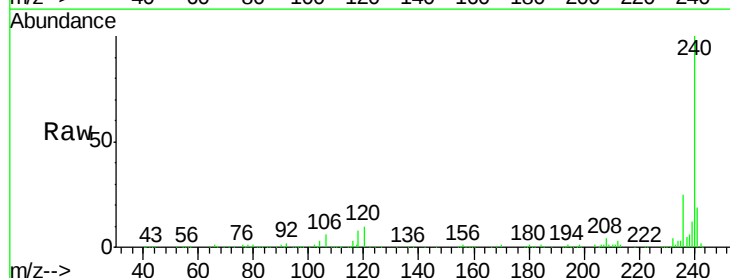
Tgt Ion:240 Resp: 314577

Ion Ratio Lower Upper

240 100

120 10.1 12.9 19.3#

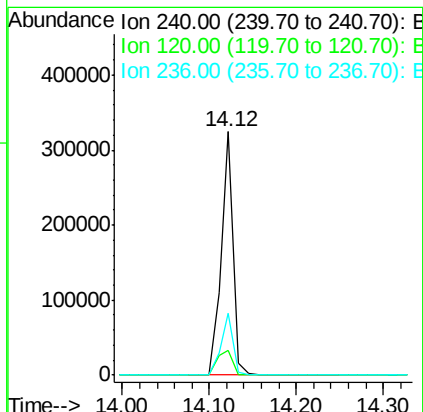
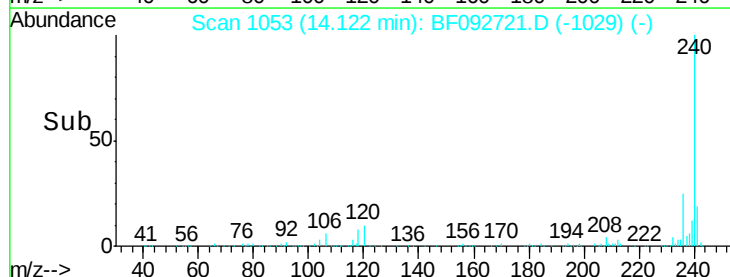
236 25.3 20.9 31.3

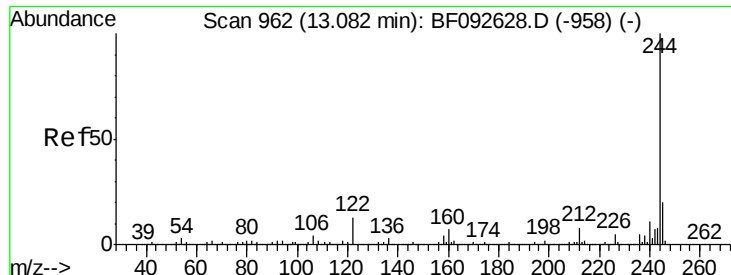


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

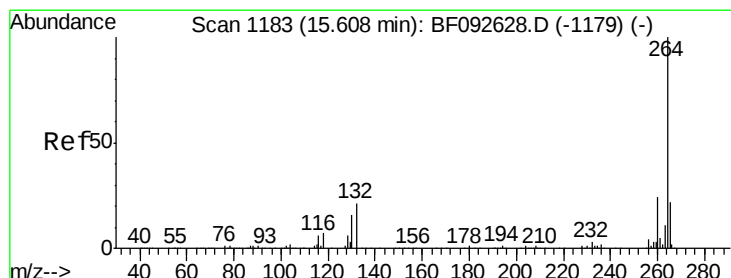
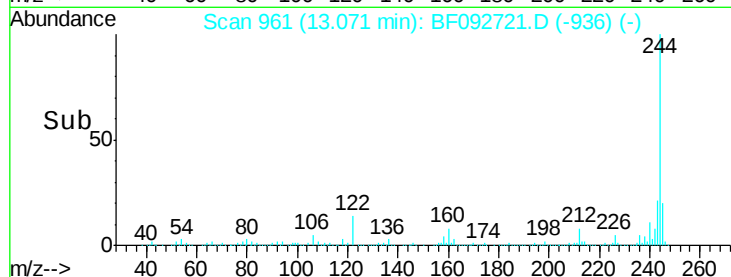
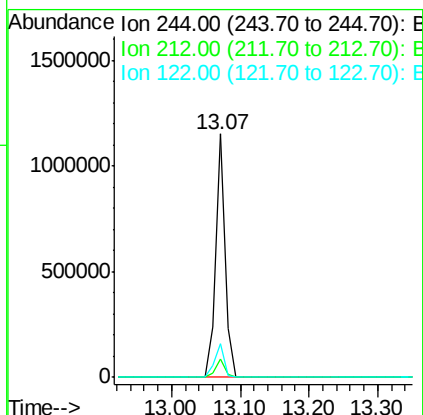
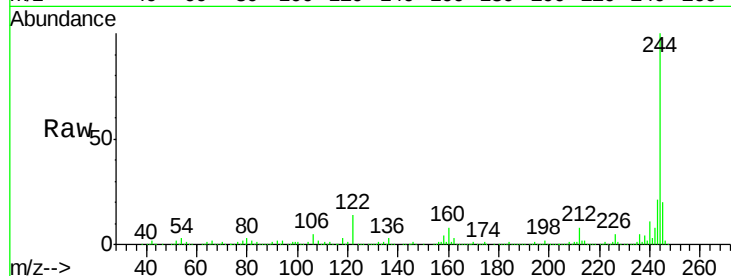




#78
 Terphenyl-d14
 Concen: 84.00 ng
 RT: 13.07 min Scan# 961
 Delta R.T. -0.01 min
 Lab File: BF092721.D
 Acq: 1 Feb 2017 22:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-27-COMP

Tgt Ion:244 Resp: 1124634
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 13.8 11.4 17.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.59 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF092721.D
 Acq: 1 Feb 2017 22:58

Tgt Ion:264 Resp: 256476
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.2 28.8
 265 22.0 17.4 26.0

