

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020117\
 Data File : BF092728.D
 Acq On : 2 Feb 2017 3:31
 Operator : SJ/MA
 Sample : I1615-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Feb 02 04:01:00 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	162635	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	623312	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	294034	20.00	ng	-0.01
63) Phenanthrene-d10	11.48	188	390082	20.00	ng	-0.01
75) Chrysene-d12	14.12	240	339236	20.00	ng	-0.02
86) Perylene-d12	15.60	264	294561	20.00	ng	-0.01

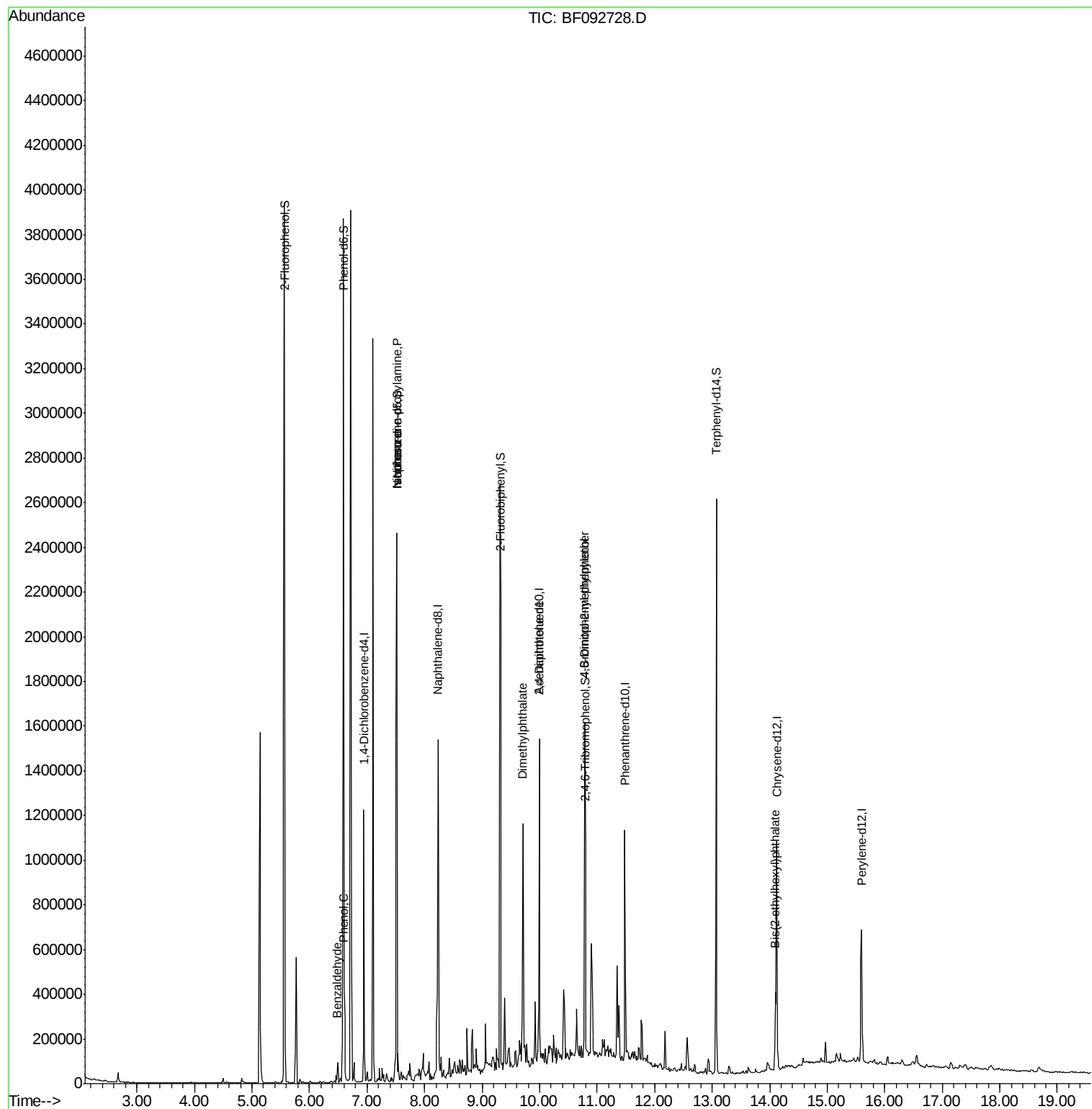
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	1085012	114.46	ng	-0.01
7) Phenol-d6	6.59	99	1470306	120.54	ng	-0.01
23) Nitrobenzene-d5	7.52	82	953355	85.17	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	217160	102.11	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	1193542	73.54	ng	-0.01
78) Terphenyl-d14	13.07	244	752712	52.14	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	17802	2.04	ng	91
10) Phenol	6.60	94	105588	7.40	ng	# 64
19) n-Nitroso-di-n-propylamine	7.52	70	132467	17.06	ng	# 79
25) Isophorone	7.52	82	924417	44.32	ng	# 65
49) Dimethylphthalate	9.71	163	347275	17.53	ng	99
56) 2,4-Dinitrotoluene	10.00	165	43711	7.68	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.78	198	568	2.89	ng	# 1
66) 4-Bromophenyl-phenylether	10.78	248	16010	3.93	ng	# 1
83) Bis(2-ethylhexyl)phthalate	14.10	149	94833	6.73	ng	95

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

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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: BF092728.D

Acq: 2 Feb 2017 3:31

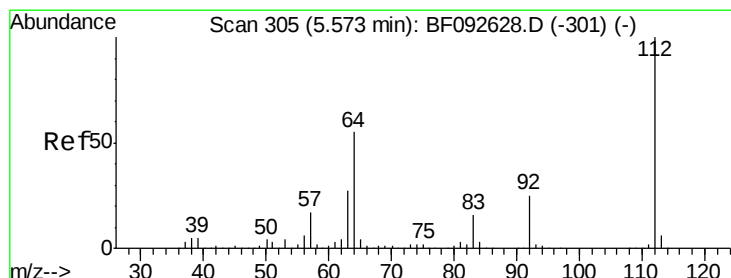
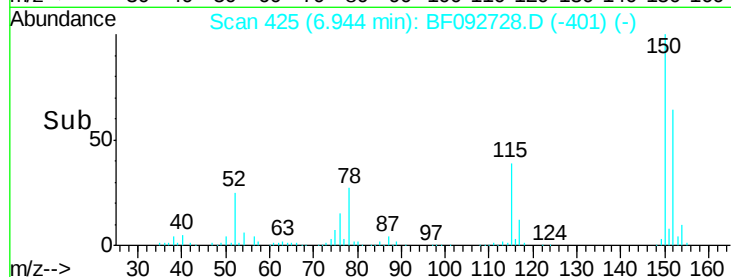
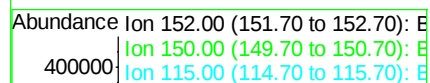
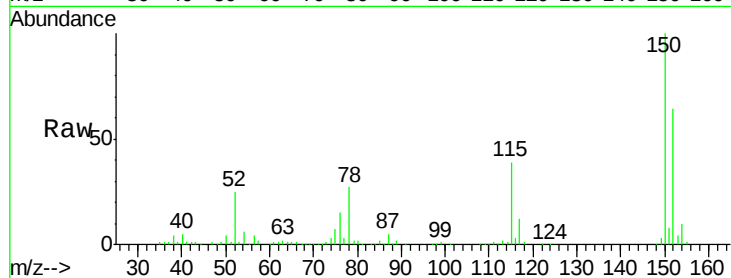
Tgt Ion:152 Resp: 162635

Ion Ratio Lower Upper

152 100

150 155.6 124.9 187.3

115 60.5 46.0 69.0



#5

2-Fluorophenol

Concen: 114.46 ng

RT: 5.56 min Scan# 304

Delta R.T. -0.01 min

Lab File: BF092728.D

Acq: 2 Feb 2017 3:31

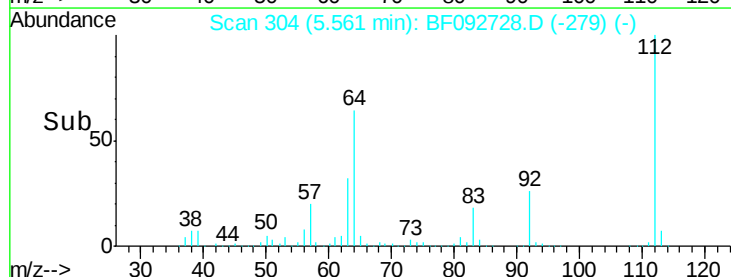
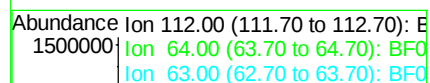
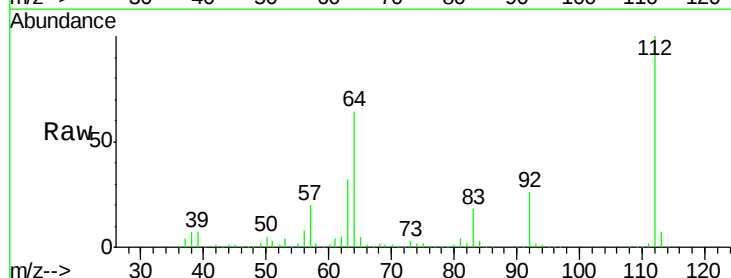
Tgt Ion:112 Resp: 1085012

Ion Ratio Lower Upper

112 100

64 64.0 46.1 69.1

63 32.4 23.8 35.6





#7

Phenol-d6

Concen: 120.54 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF092728.D

Acq: 2 Feb 2017 3:31

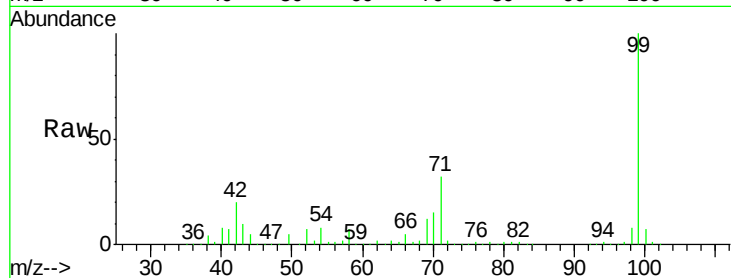
Tgt Ion: 99 Resp: 1470306

Ion Ratio Lower Upper

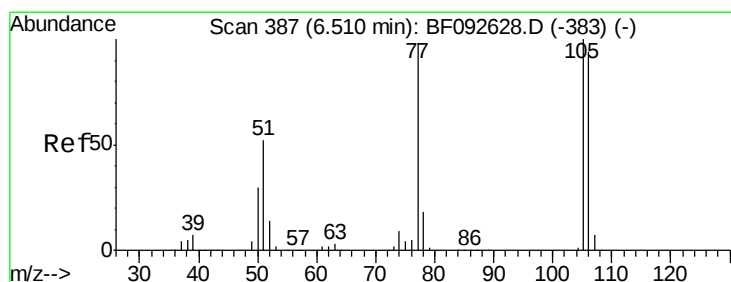
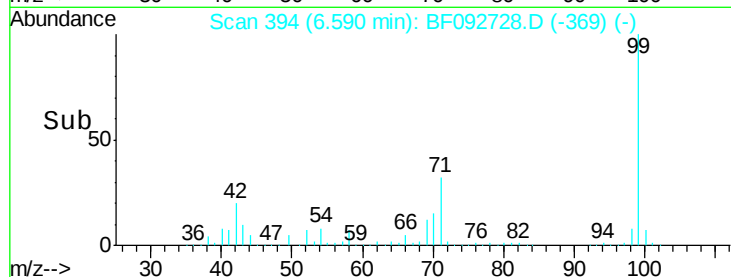
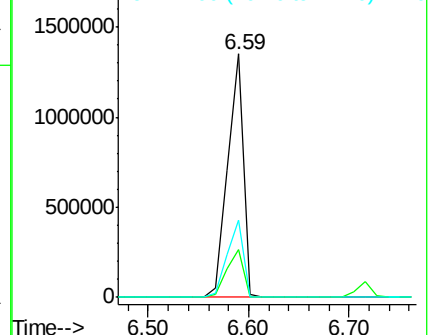
99 100

42 19.6 15.6 23.4

71 32.0 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



#9

Benzaldehyde

Concen: 2.04 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF092728.D

Acq: 2 Feb 2017 3:31

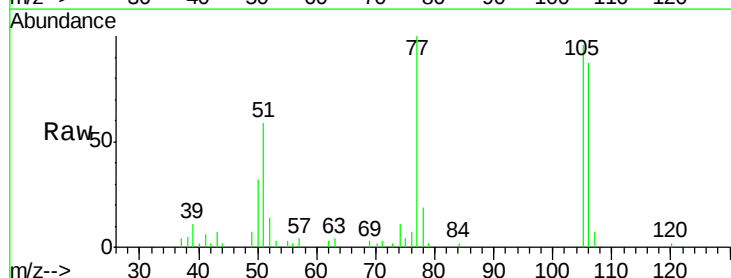
Tgt Ion: 77 Resp: 17802

Ion Ratio Lower Upper

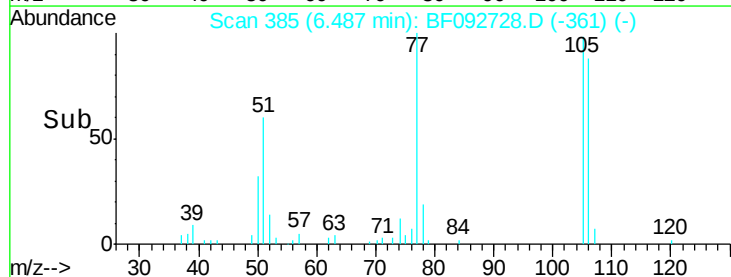
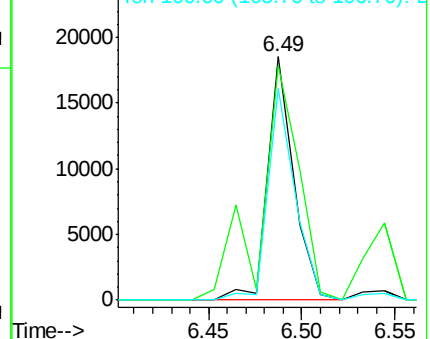
77 100

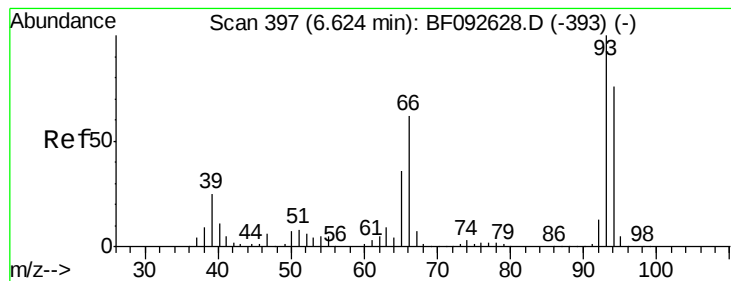
105 96.3 83.9 123.9

106 86.8 77.6 117.6



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 7.40 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.02 min

Lab File: BF092728.D

Acq: 2 Feb 2017 3:31

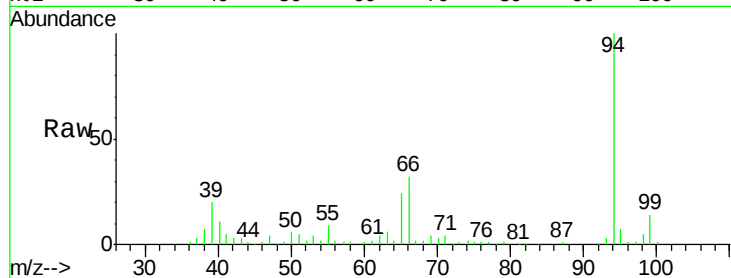
Tgt Ion: 94 Resp: 105588

Ion Ratio Lower Upper

94 100

65 24.0 21.4 61.4

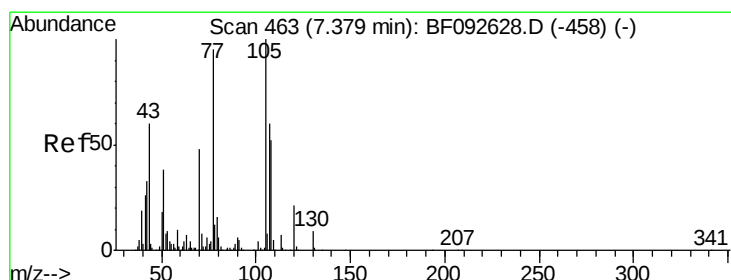
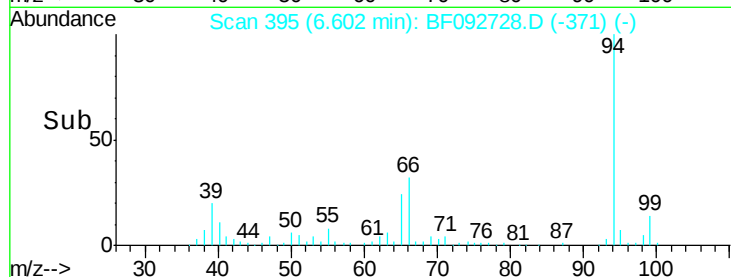
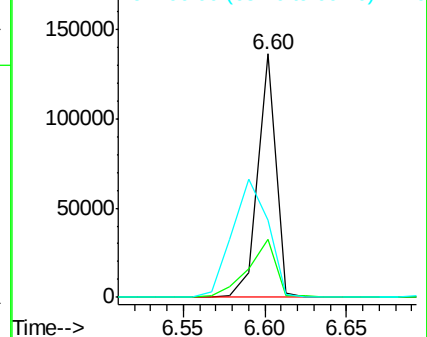
66 31.8 44.0 84.0#



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.06 ng

RT: 7.52 min Scan# 475

Delta R.T. 0.14 min

Lab File: BF092728.D

Acq: 2 Feb 2017 3:31

Tgt Ion: 70 Resp: 132467

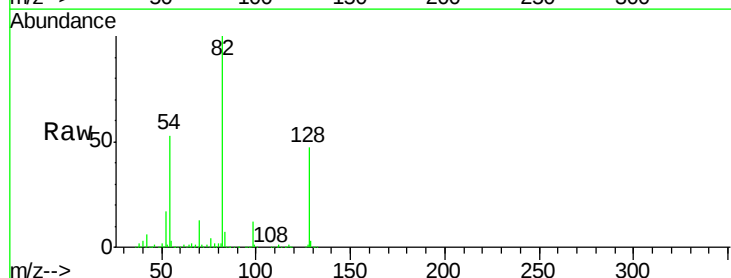
Ion Ratio Lower Upper

70 100

42 49.0 49.4 74.0#

101 0.0 7.4 11.2#

130 2.3 14.2 21.4#

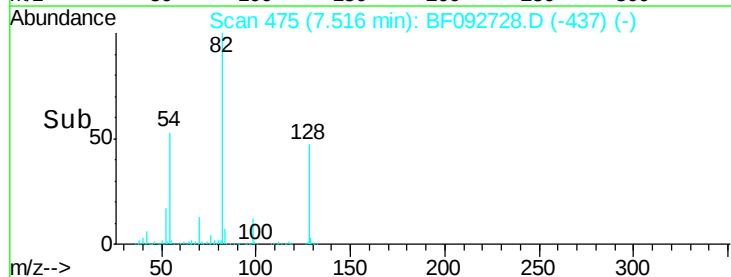
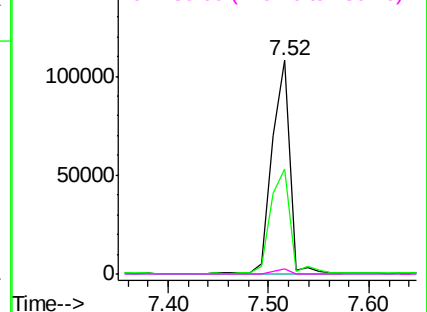


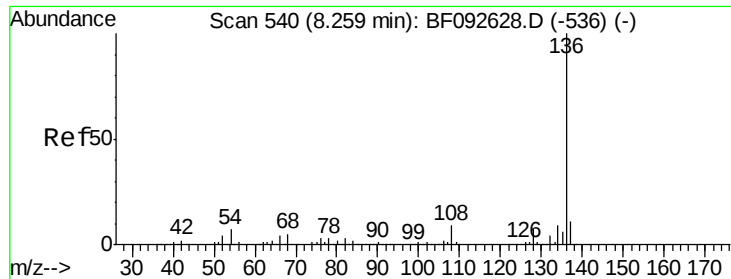
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

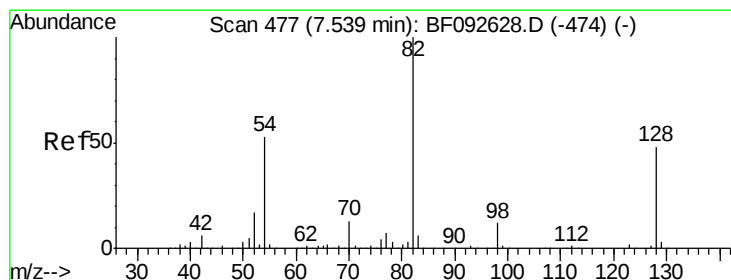
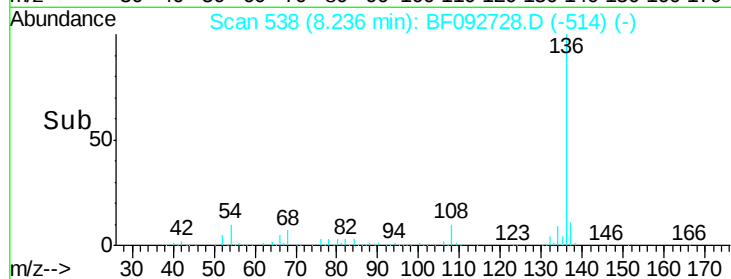
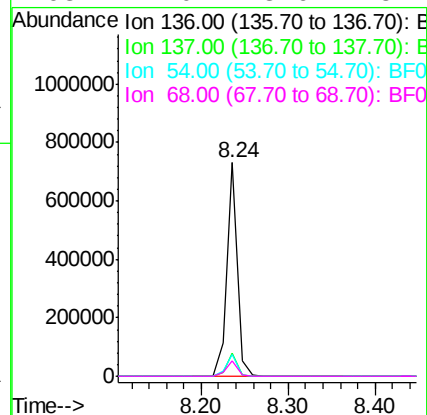
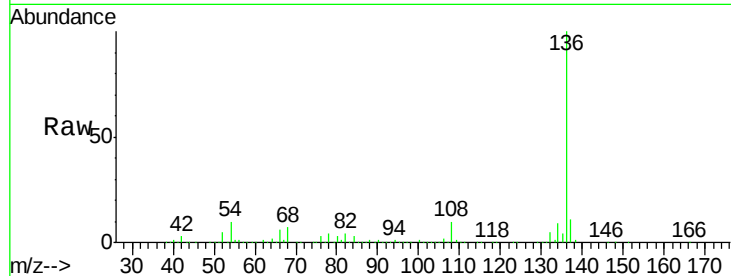
Ion 130.00 (129.70 to 130.70): BF0





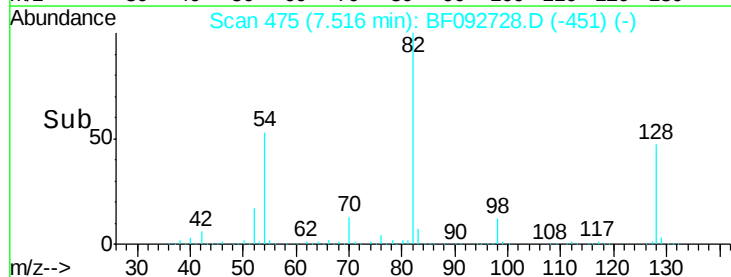
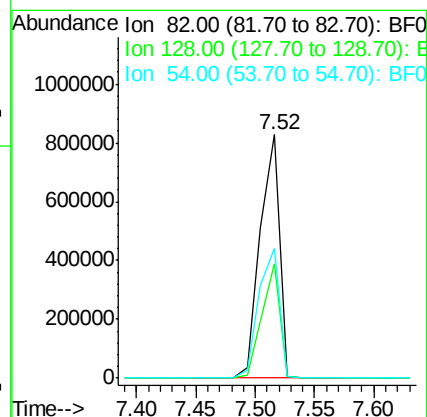
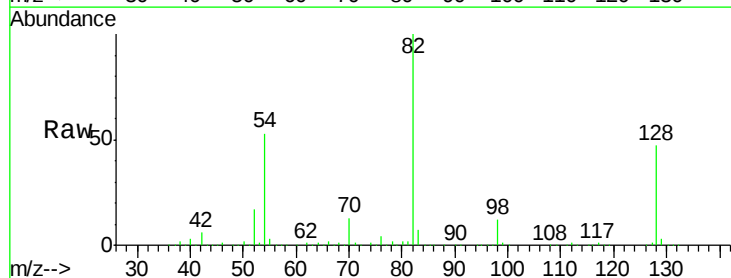
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 538
Delta R.T. -0.02 min
Lab File: BF092728.D
Acq: 2 Feb 2017 3:31

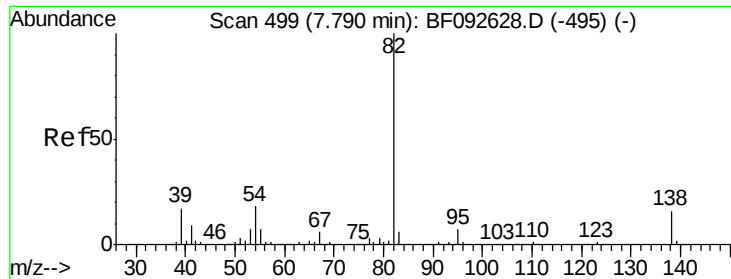
Tgt Ion:	136	Resp:	623312
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	10.3	4.5	6.7#
68	7.0	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 85.17 ng
RT: 7.52 min Scan# 475
Delta R.T. -0.02 min
Lab File: BF092728.D
Acq: 2 Feb 2017 3:31

Tgt Ion:	82	Resp:	953355
Ion	Ratio	Lower	Upper
82	100		
128	46.7	34.6	52.0
54	53.2	39.5	59.3





#25

Isophorone

Concen: 44.32 ng

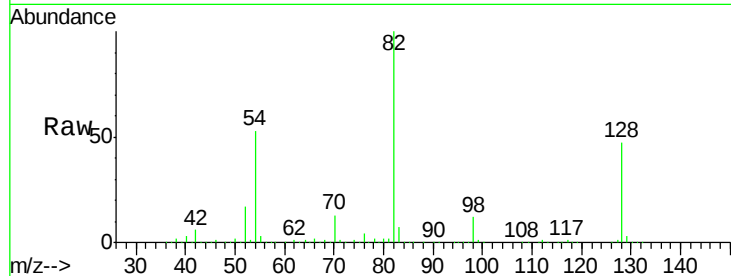
RT: 7.52 min Scan# 475

Delta R.T. -0.27 min

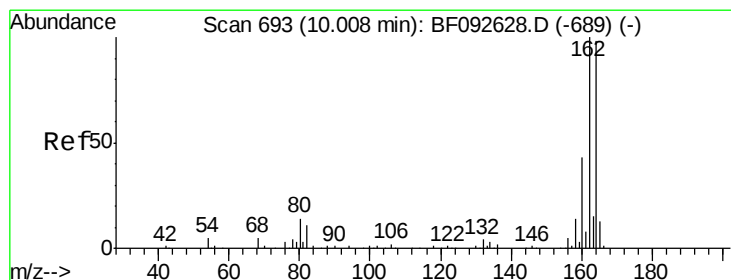
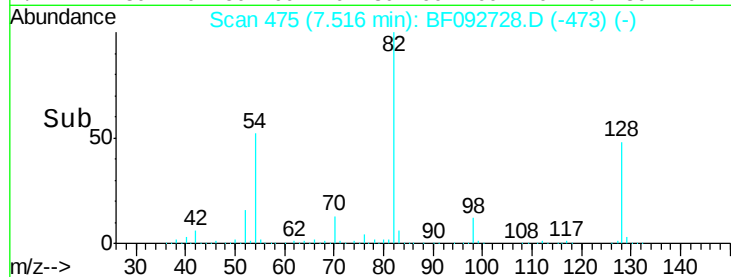
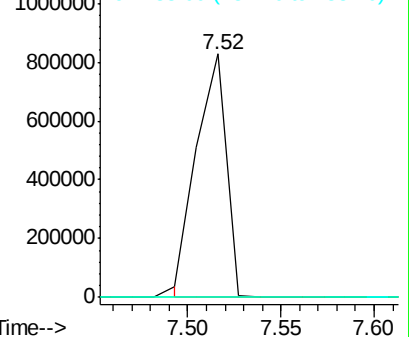
Lab File: BF092728.D

Acq: 2 Feb 2017 3:31

Tgt Ion:	82	Resp:	924417
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

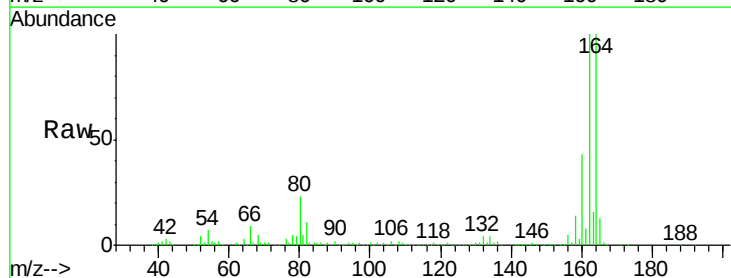
RT: 10.00 min Scan# 692

Delta R.T. -0.01 min

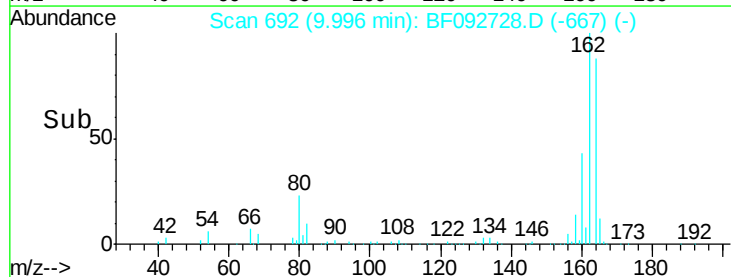
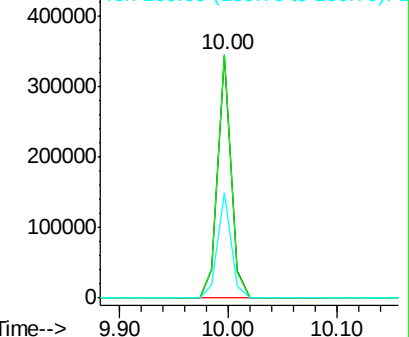
Lab File: BF092728.D

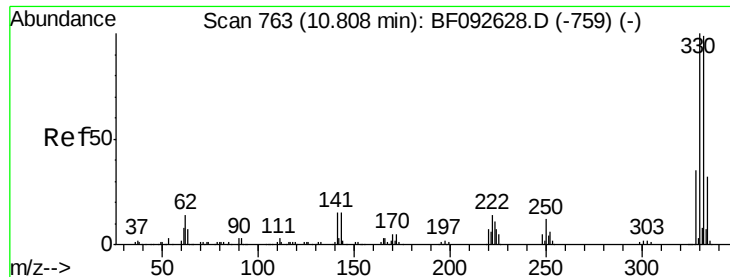
Acq: 2 Feb 2017 3:31

Tgt Ion:	164	Resp:	294034
Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.2	120.2
160	43.3	36.9	55.3



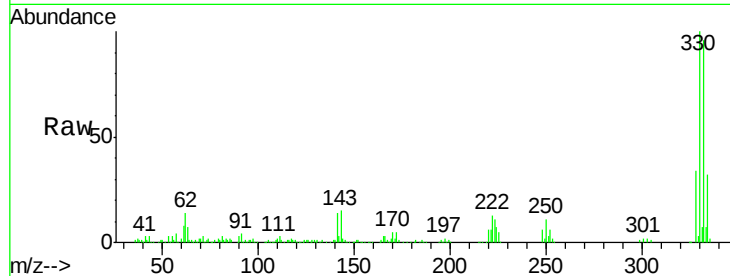
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



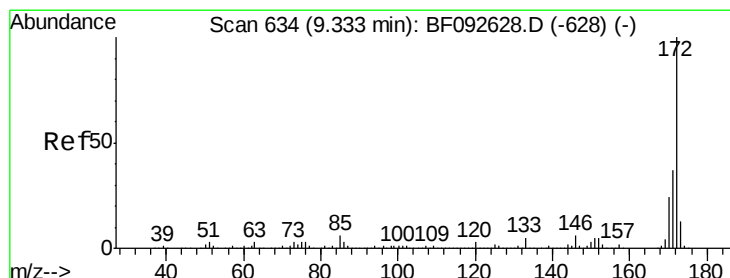
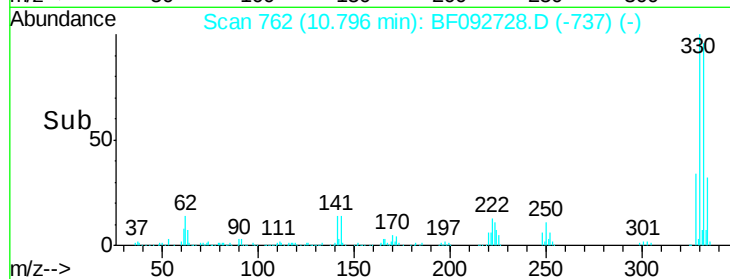
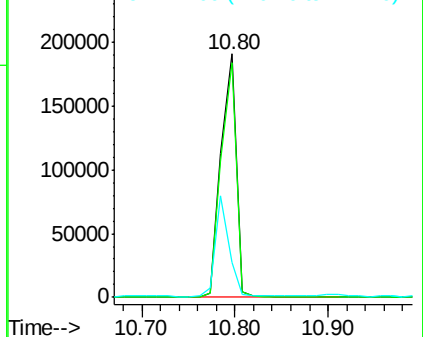


#41
 2,4,6-Tribromophenol
 Concen: 102.11 ng
 RT: 10.80 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: BF092728.D
 Acq: 2 Feb 2017 3:31

Tgt Ion:330 Resp: 217160
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.4 116.2
 141 36.7 34.1 51.1

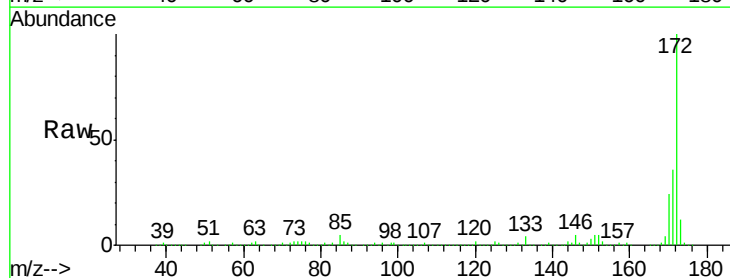


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

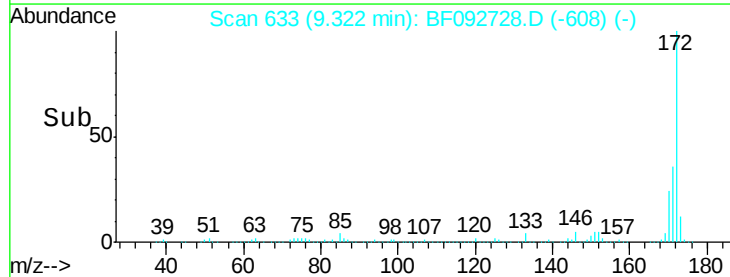
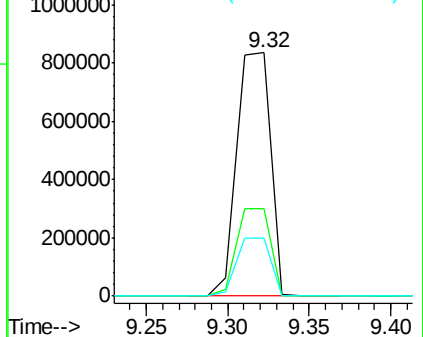


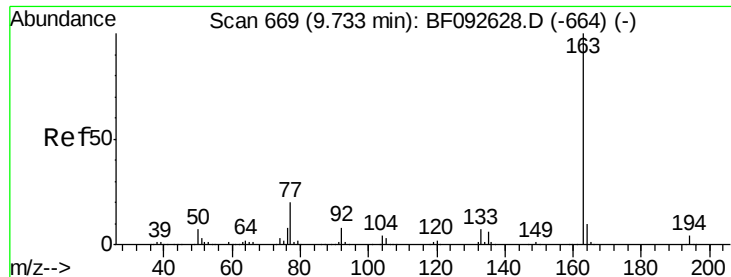
#44
 2-Fluorobiphenyl
 Concen: 73.54 ng
 RT: 9.32 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: BF092728.D
 Acq: 2 Feb 2017 3:31

Tgt Ion:172 Resp: 1193542
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 24.0 20.2 30.4



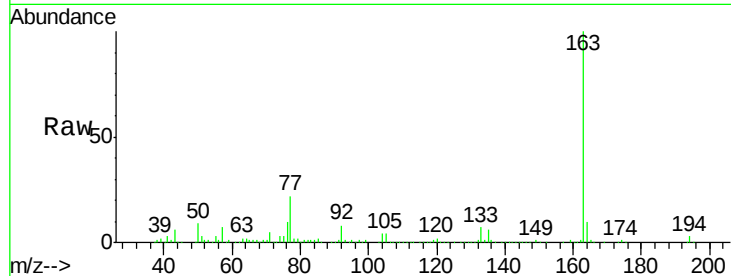
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



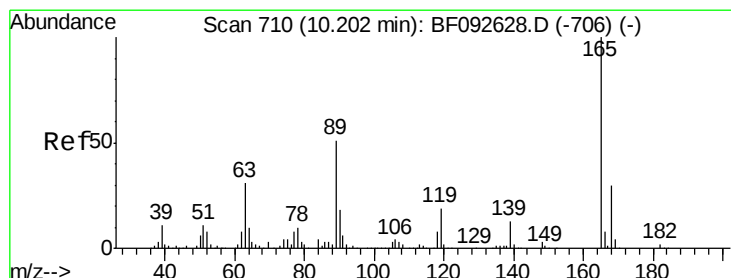
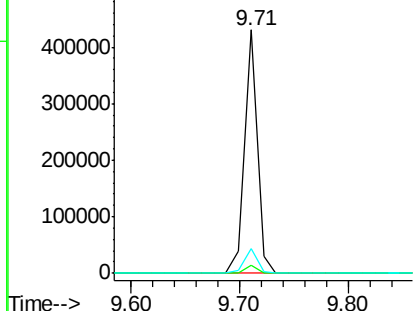
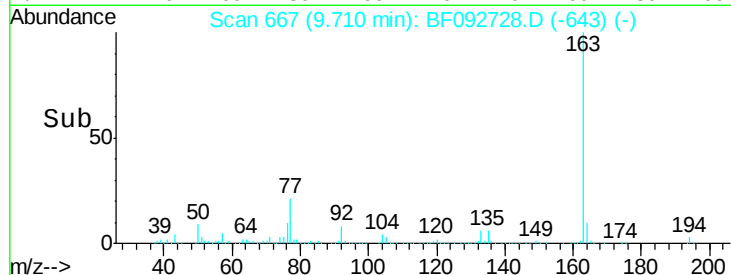


#49
Dimethylphthalate
Concen: 17.53 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF092728.D
Acq: 2 Feb 2017 3:31

Tgt Ion:163 Resp: 347275
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.4
164 10.1 8.0 12.0

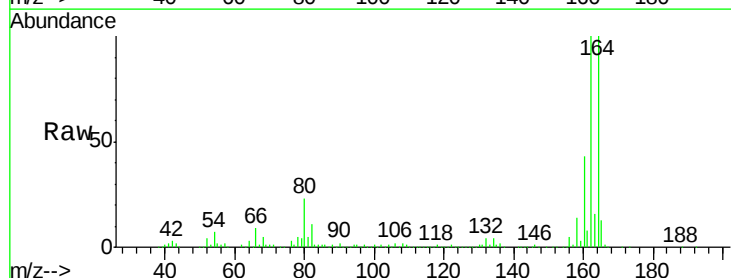


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

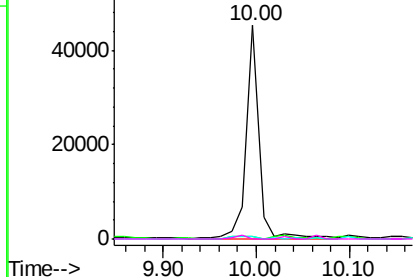
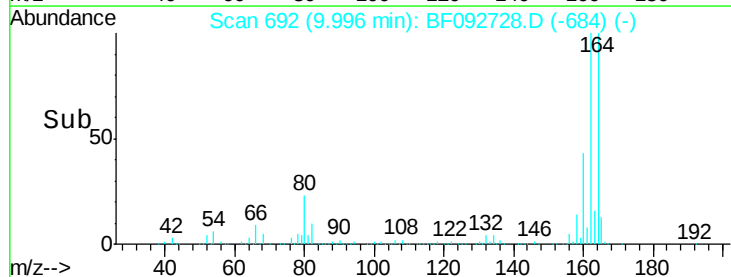


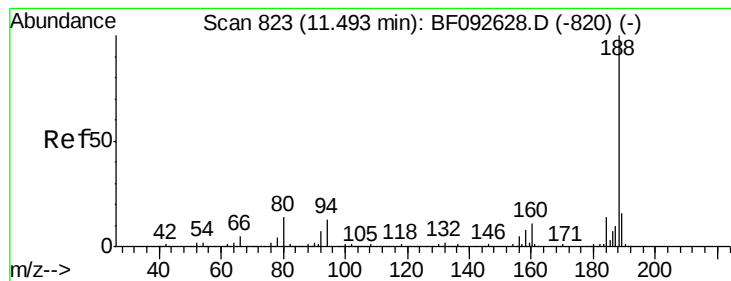
#56
2,4-Dinitrotoluene
Concen: 7.68 ng
RT: 10.00 min Scan# 692
Delta R.T. -0.21 min
Lab File: BF092728.D
Acq: 2 Feb 2017 3:31

Tgt Ion:165 Resp: 43711
Ion Ratio Lower Upper
165 100
63 1.3 40.2 60.4#
89 1.1 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: BF092728.D

Acq: 2 Feb 2017 3:31

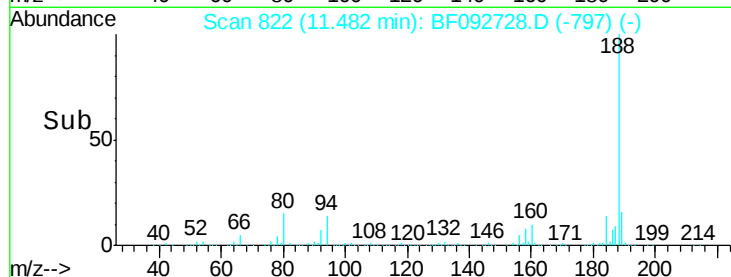
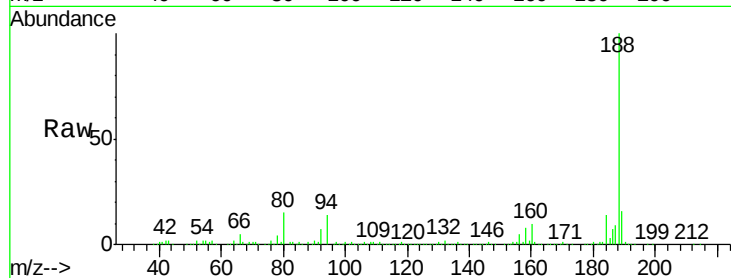
Tgt Ion:188 Resp: 390082

Ion Ratio Lower Upper

188 100

94 14.1 10.0 15.0

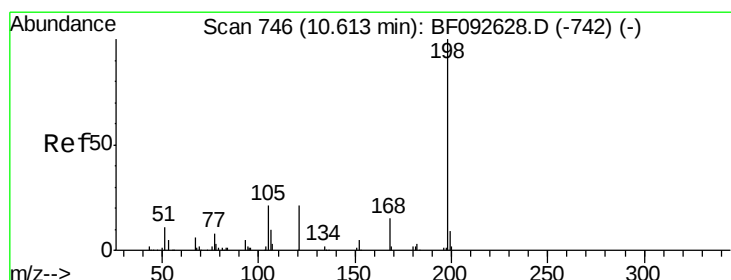
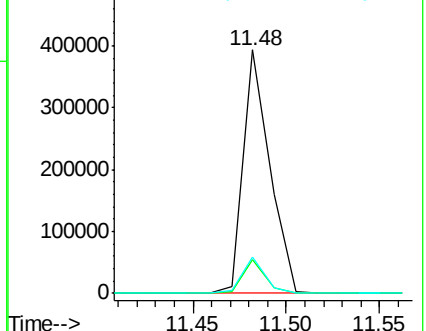
80 15.0 11.2 16.8



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: 2.89 ng

RT: 10.78 min Scan# 761

Delta R.T. 0.17 min

Lab File: BF092728.D

Acq: 2 Feb 2017 3:31

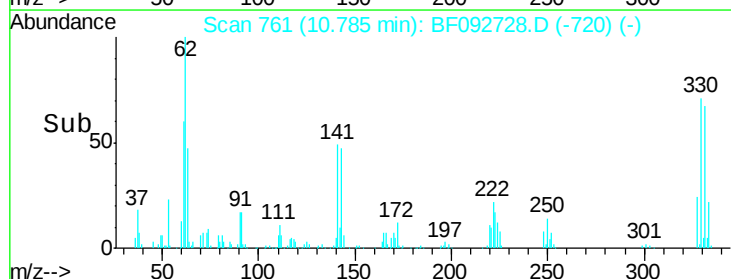
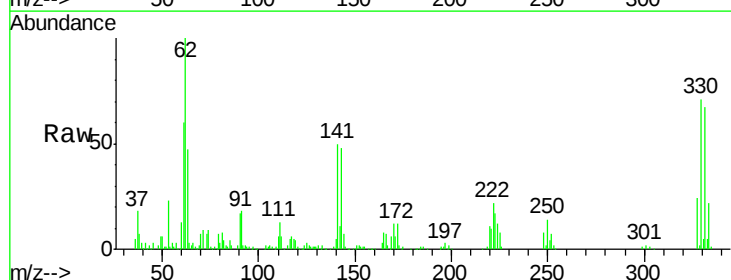
Tgt Ion:198 Resp: 568

Ion Ratio Lower Upper

198 100

51 353.9 6.7 46.7#

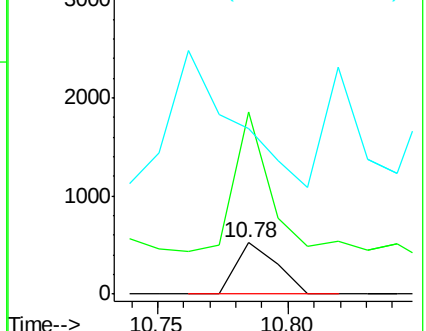
105 323.3 16.6 56.6#

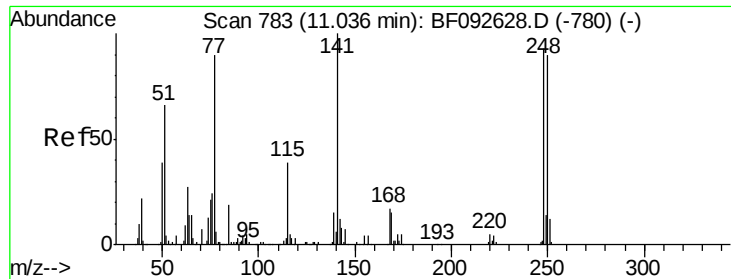


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.93 ng

RT: 10.78 min Scan# 761

Delta R.T. -0.25 min

Lab File: BF092728.D

Acq: 2 Feb 2017 3:31

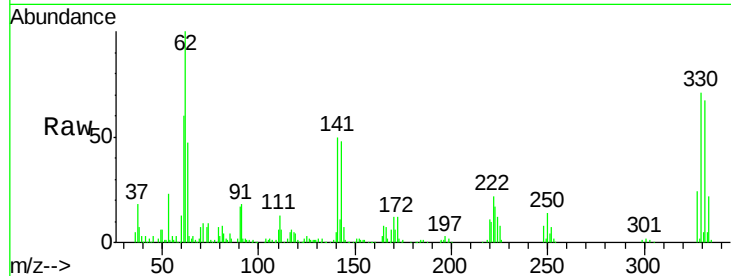
Tgt Ion:248 Resp: 16010

Ion Ratio Lower Upper

248 100

250 182.8 76.9 115.3#

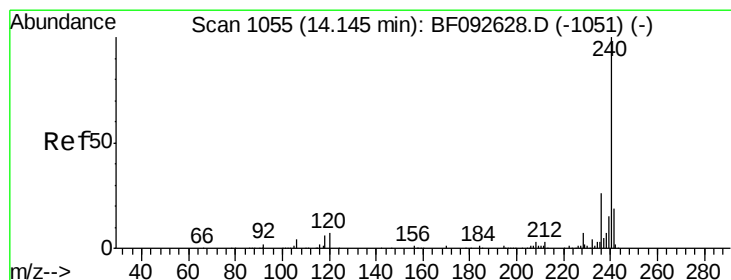
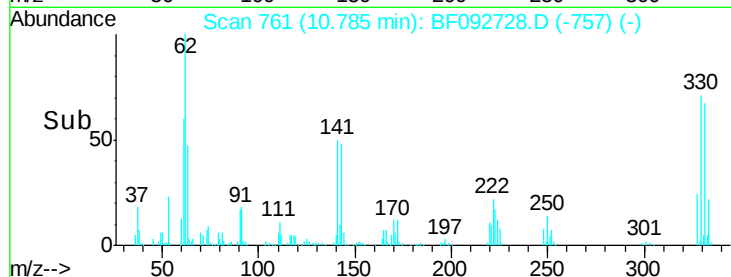
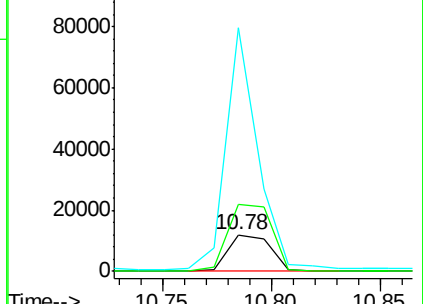
141 670.7 68.2 102.4#



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: BF092728.D

Acq: 2 Feb 2017 3:31

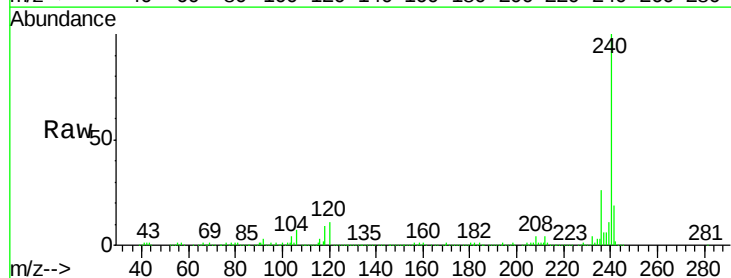
Tgt Ion:240 Resp: 339236

Ion Ratio Lower Upper

240 100

120 11.0 12.9 19.3#

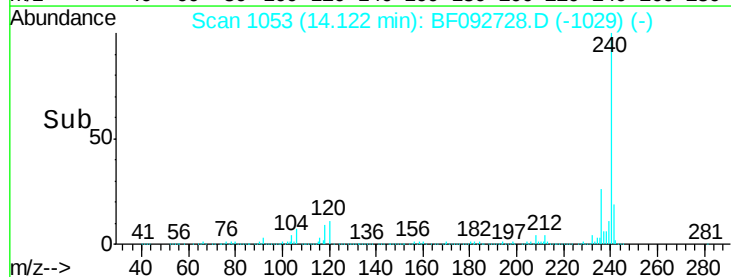
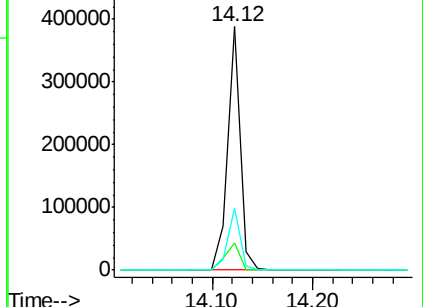
236 25.6 20.9 31.3

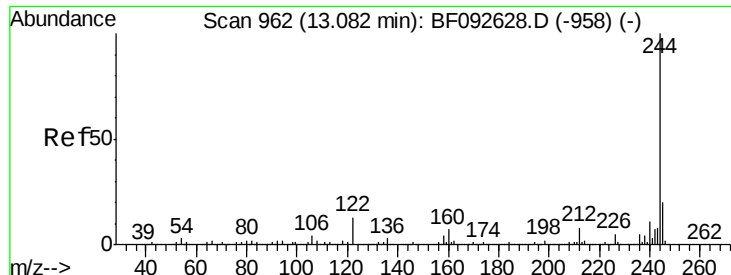


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

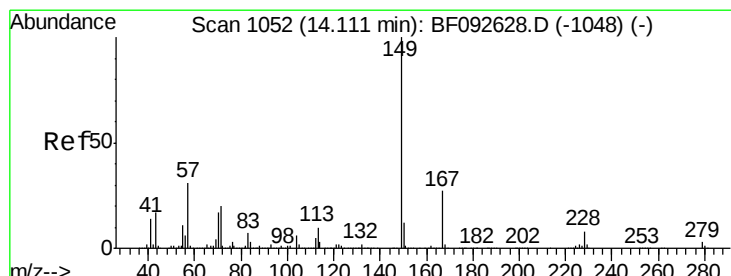
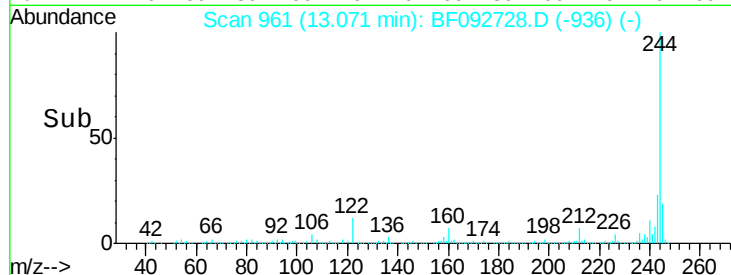
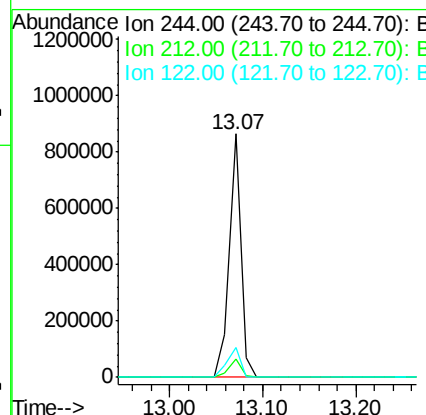
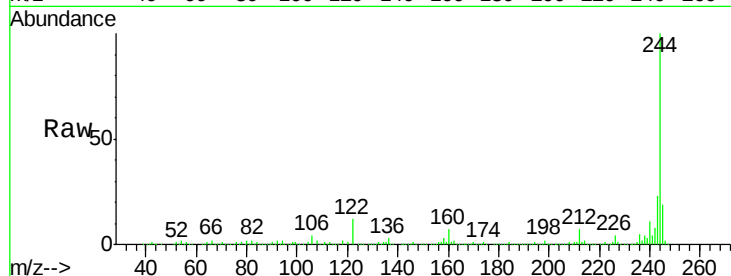
Ion 236.00 (235.70 to 236.70): E





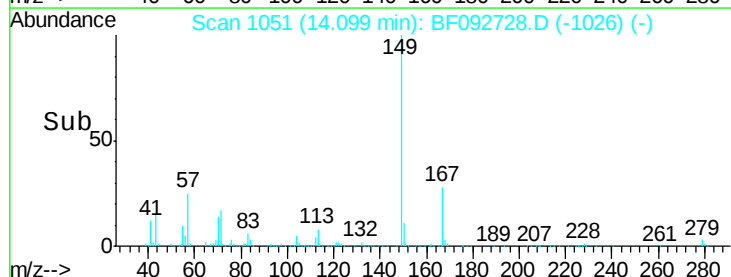
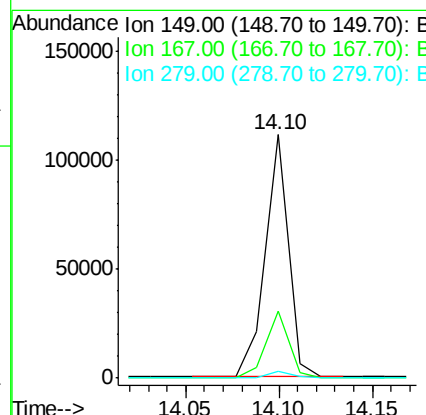
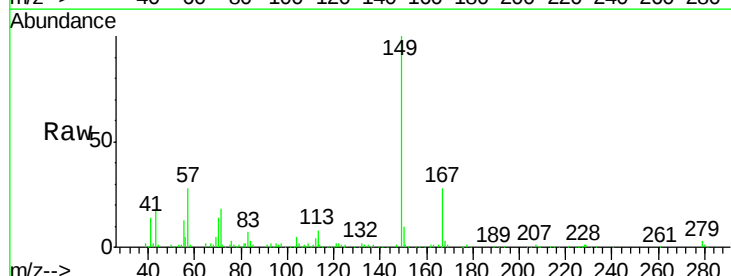
#78
 Terphenyl-d14
 Concen: 52.14 ng
 RT: 13.07 min Scan# 961
 Delta R.T. -0.01 min
 Lab File: BF092728.D
 Acq: 2 Feb 2017 3:31

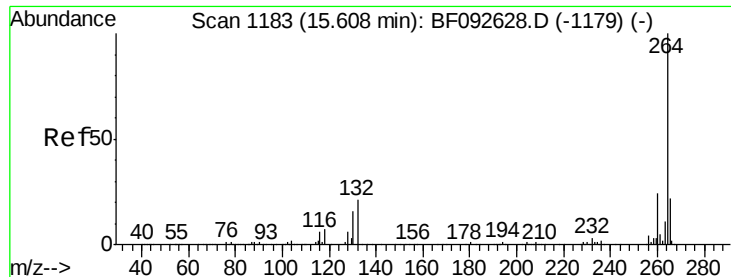
Tgt Ion: 244 Resp: 752712
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 12.2 11.4 17.2



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.73 ng
 RT: 14.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: BF092728.D
 Acq: 2 Feb 2017 3:31

Tgt Ion: 149 Resp: 94833
 Ion Ratio Lower Upper
 149 100
 167 27.7 20.2 30.4
 279 2.7 1.8 2.8





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.60 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF092728.D
Acq: 2 Feb 2017 3:31

Tgt Ion:	264	Resp:	294561
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.2	28.8
265	21.0	17.4	26.0

