

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020817\
 Data File : BF092871.D
 Acq On : 8 Feb 2017 23:30
 Operator : SJ/MA
 Sample : I1751-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-COMP

Quant Time: Feb 09 00:42:03 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 08 23:48:40 2017
 Response via : Initial Calibration

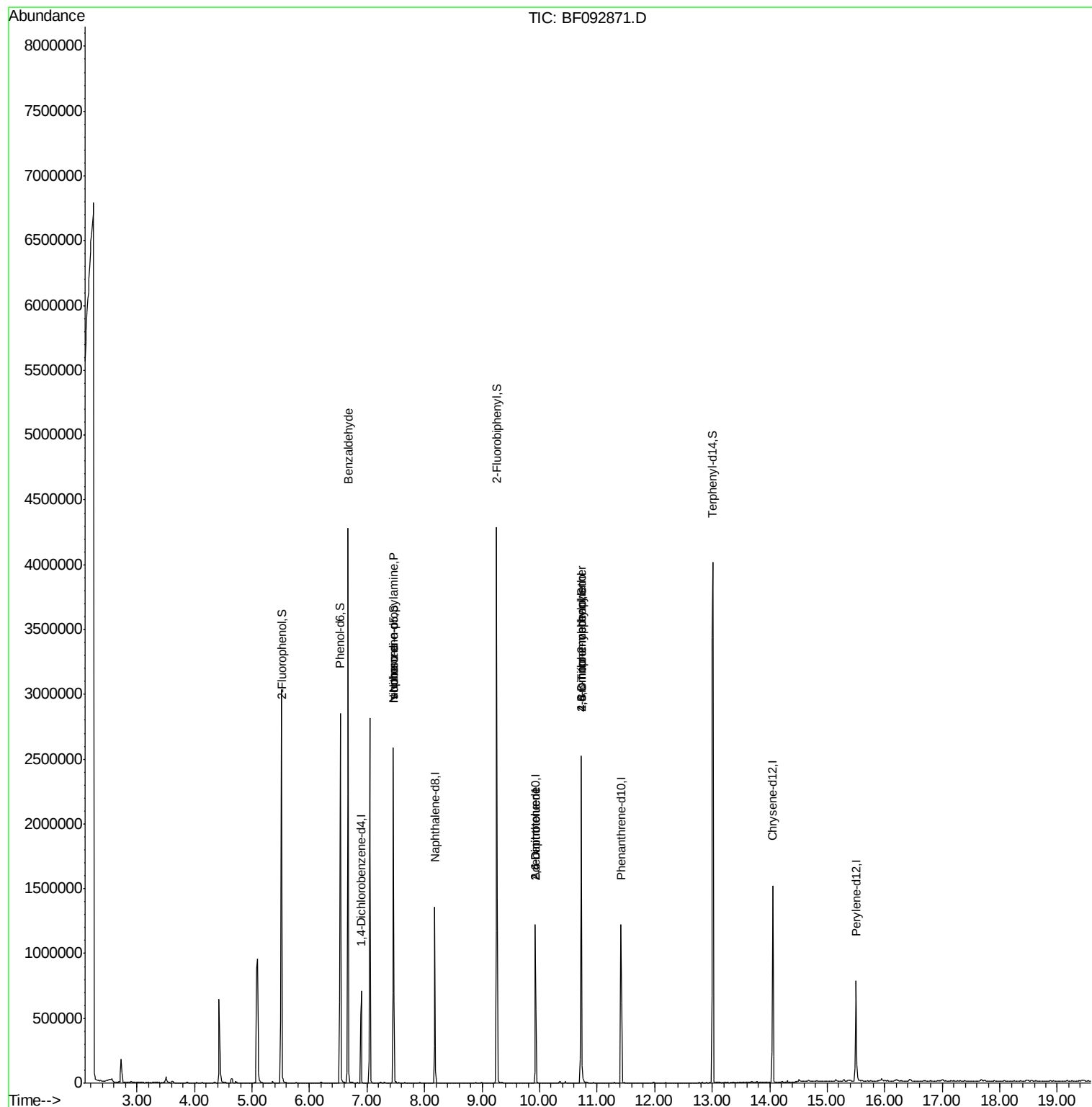
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	145311	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	589501	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	309310	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	532195	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	490046	20.00	ng	-0.01
86) Perylene-d12	15.51	264	385258	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1236165	145.95	ng	0.02
7) Phenol-d6	6.53	99	1489134	136.64	ng	0.00
23) Nitrobenzene-d5	7.46	82	918692	86.78	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	362812	162.18	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1658567	97.14	ng	-0.01
78) Terphenyl-d14	13.01	244	1865691	89.46	ng	0.00
Target Compounds						
9) Benzaldehyde	6.67	77	27023	3.46	ng	Qvalue 85
19) n-Nitroso-di-n-propylamine	7.46	70	119085	17.17	ng	# 81
25) Isophorone	7.46	82	916930	46.48	ng	# 65
50) 2,6-Dinitrotoluene	9.93	165	39970	8.88	ng	# 30
56) 2,4-Dinitrotoluene	9.93	165	39963	6.67	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.73	198	930	2.94	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	27290	4.91	ng	# 1

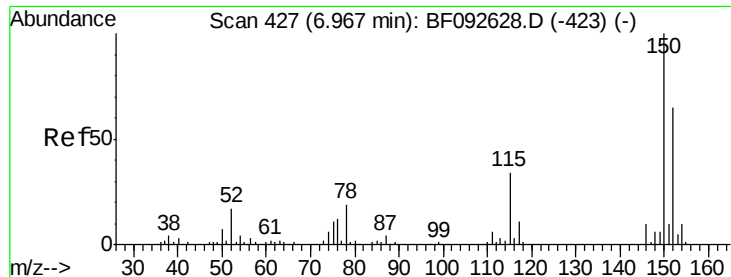
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF092871.D

Acq: 8 Feb 2017 23:30

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-COMP

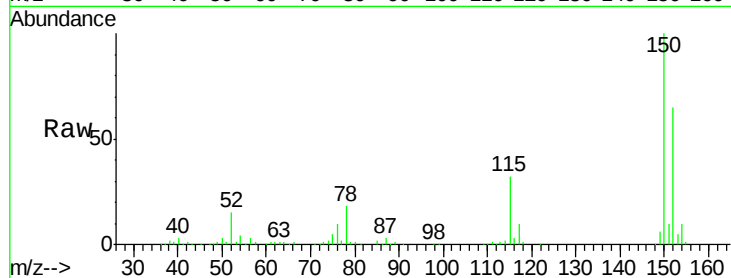
Tgt Ion:152 Resp: 145311

Ion Ratio Lower Upper

152 100

150 154.1 124.9 187.3

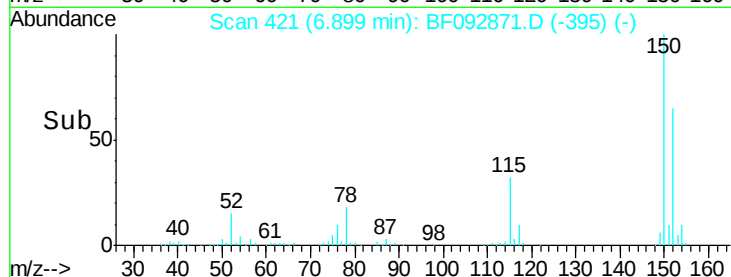
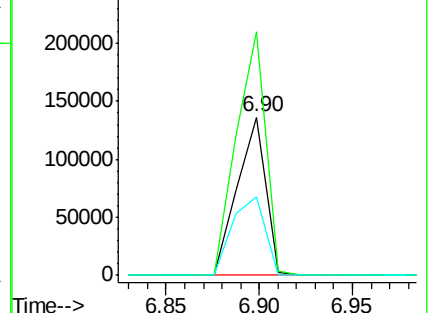
115 49.5 46.0 69.0



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: 145.95 ng

RT: 5.52 min Scan# 300

Delta R.T. 0.02 min

Lab File: BF092871.D

Acq: 8 Feb 2017 23:30

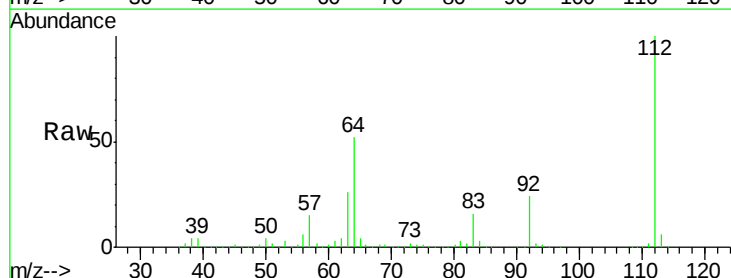
Tgt Ion:112 Resp: 1236165

Ion Ratio Lower Upper

112 100

64 51.7 46.1 69.1

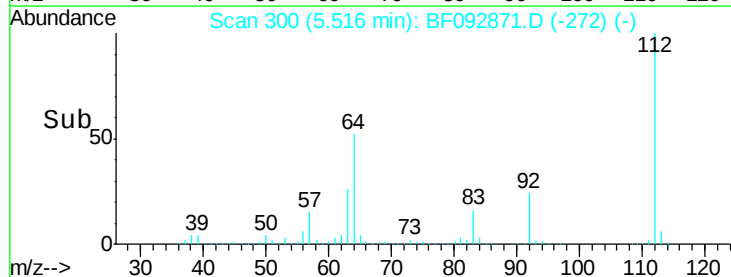
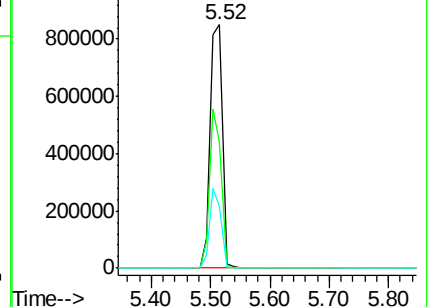
63 25.5 23.8 35.6



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: 136.64 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.00 min

Lab File: BF092871.D

Acq: 8 Feb 2017 23:30

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-COMP

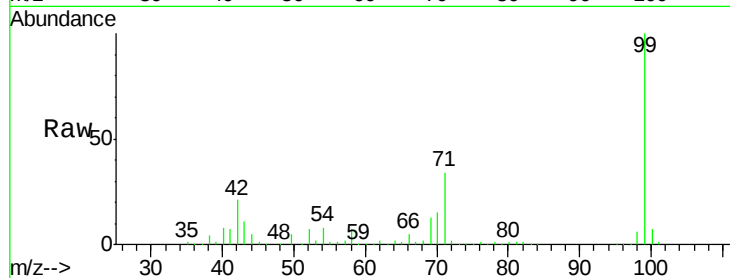
Tgt Ion: 99 Resp: 1489134

Ion Ratio Lower Upper

99 100

42 20.9 15.6 23.4

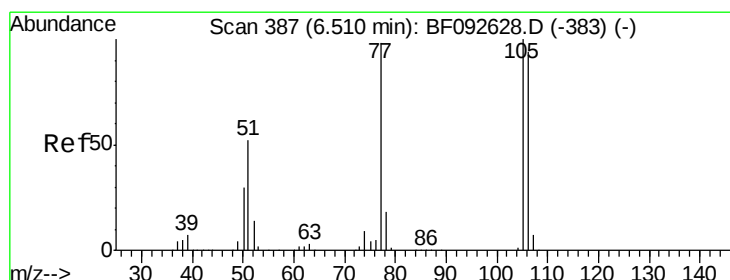
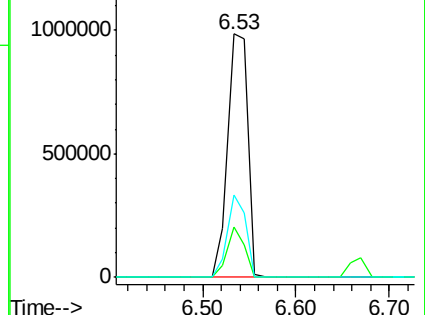
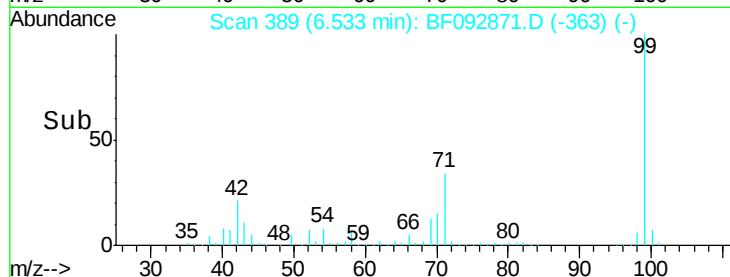
71 33.8 27.5 41.3



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: 3.46 ng

RT: 6.67 min Scan# 401

Delta R.T. 0.23 min

Lab File: BF092871.D

Acq: 8 Feb 2017 23:30

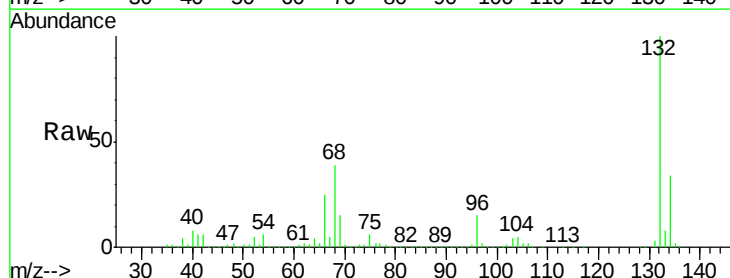
Tgt Ion: 77 Resp: 27023

Ion Ratio Lower Upper

77 100

105 86.9 83.9 123.9

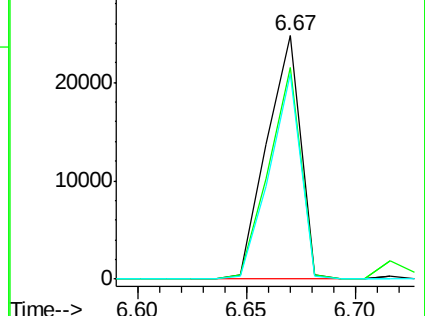
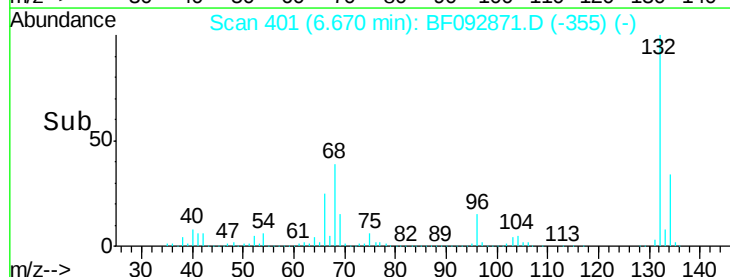
106 84.5 77.6 117.6

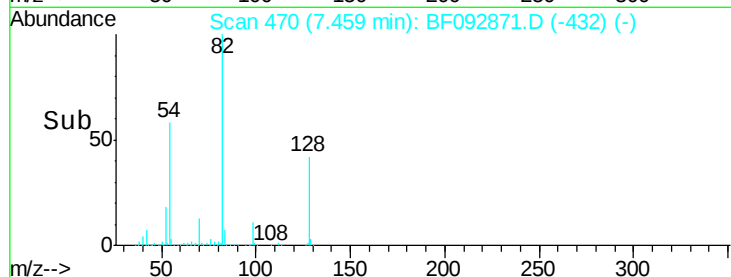
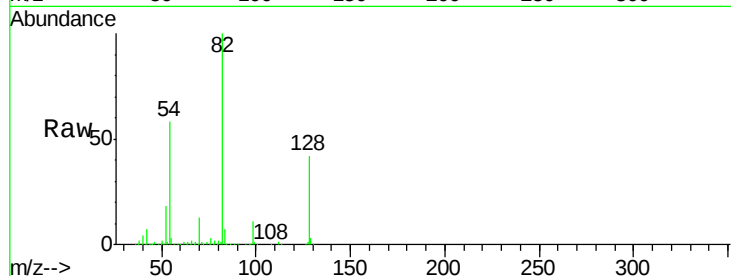
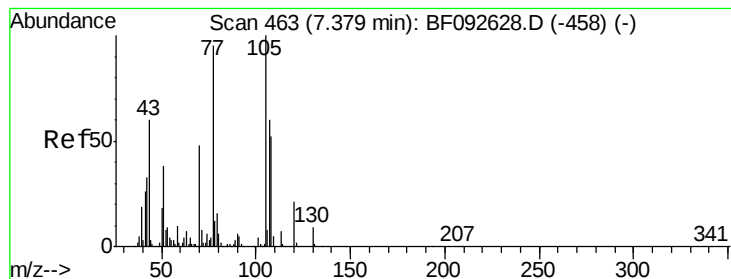


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 17.17 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF092871.D

Acq: 8 Feb 2017 23:30

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-COMP

Tgt Ion: 70 Resp: 119085

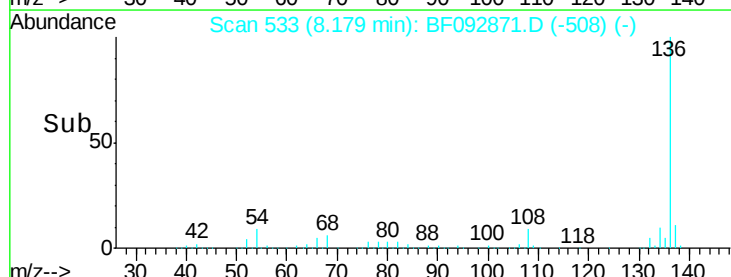
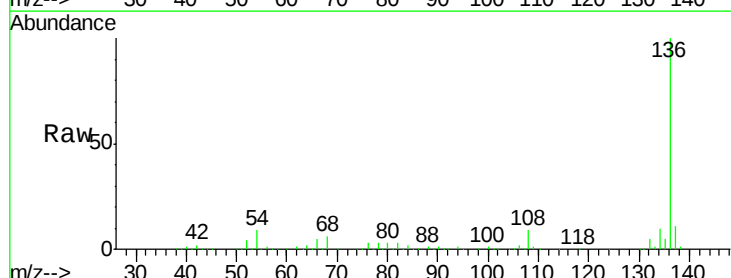
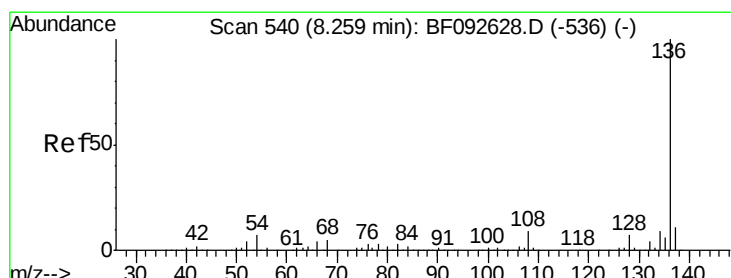
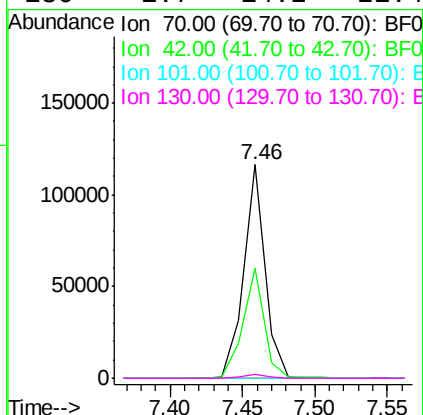
Ion Ratio Lower Upper

70 100

42 51.5 49.4 74.0

101 0.0 7.4 11.2#

130 1.7 14.2 21.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF092871.D

Acq: 8 Feb 2017 23:30

Tgt Ion: 136 Resp: 589501

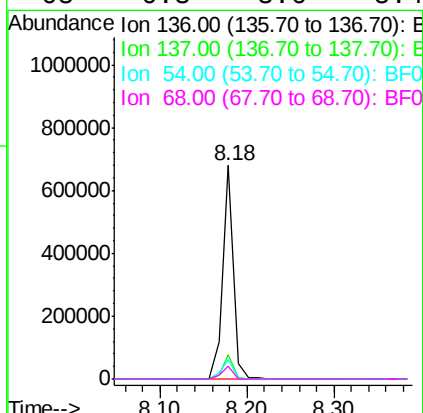
Ion Ratio Lower Upper

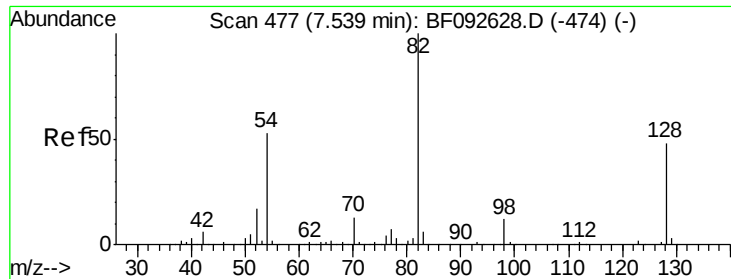
136 100

137 11.2 8.4 12.6

54 9.0 4.5 6.7#

68 6.3 3.6 5.4#

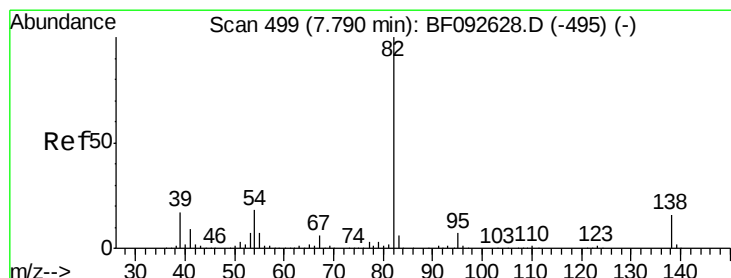
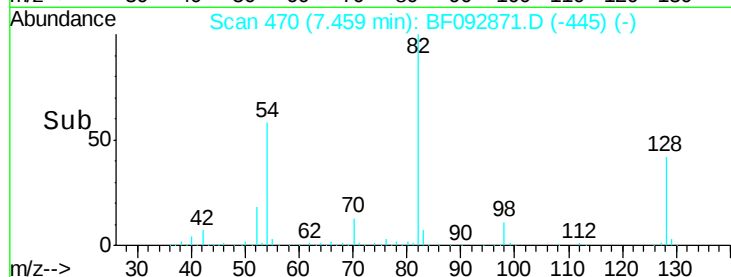
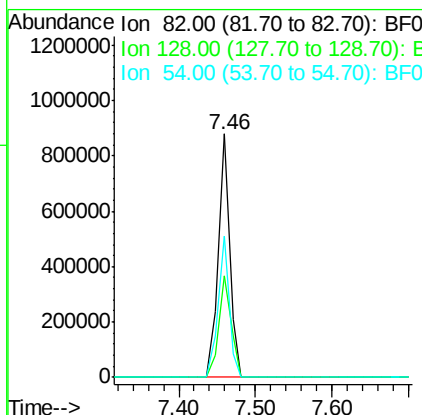
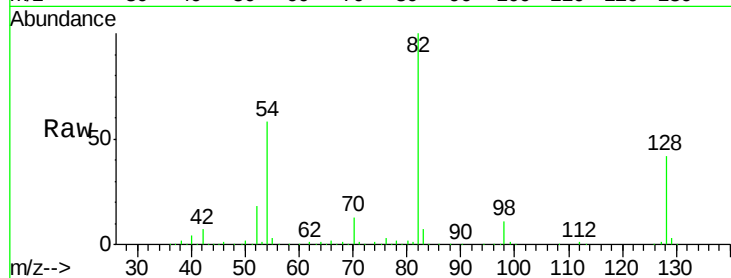




#23
 Nitrobenzene-d5
 Concen: 86.78 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF092871.D
 Acq: 8 Feb 2017 23:30

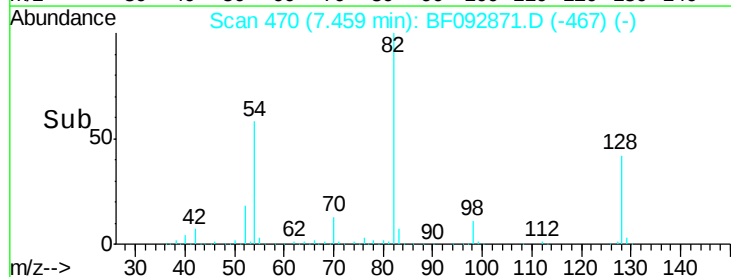
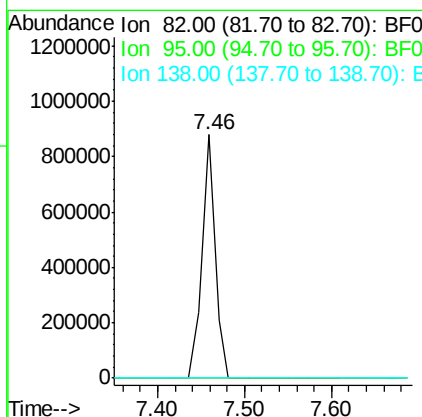
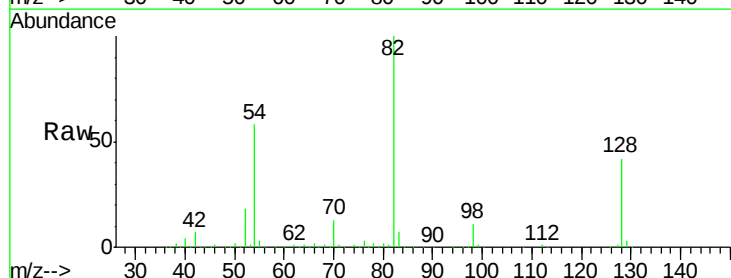
Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-COMP

Tgt Ion: 82 Resp: 918692
 Ion Ratio Lower Upper
 82 100
 128 41.9 34.6 52.0
 54 58.1 39.5 59.3



#25
 Isophorone
 Concen: 46.48 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.26 min
 Lab File: BF092871.D
 Acq: 8 Feb 2017 23:30

Tgt Ion: 82 Resp: 916930
 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: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF092871.D

Acq: 8 Feb 2017 23:30

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-COMP

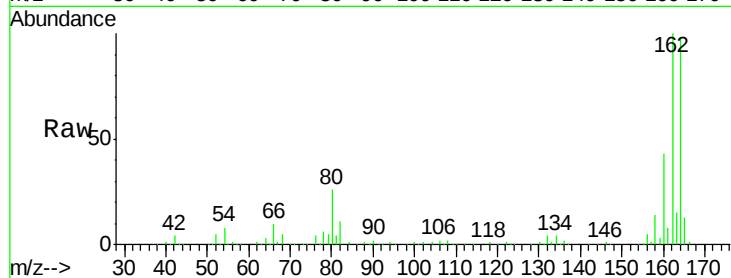
Tgt Ion:164 Resp: 309310

Ion Ratio Lower Upper

164 100

162 102.0 80.2 120.2

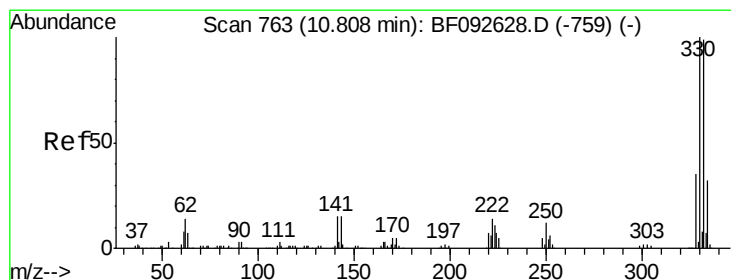
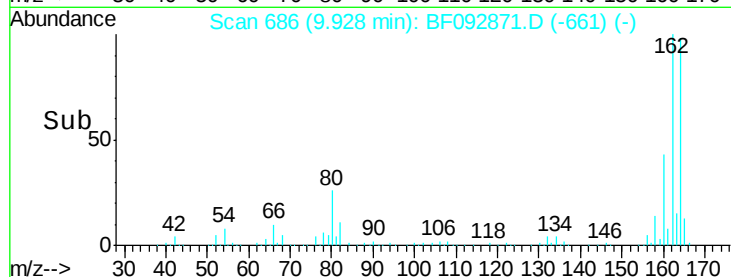
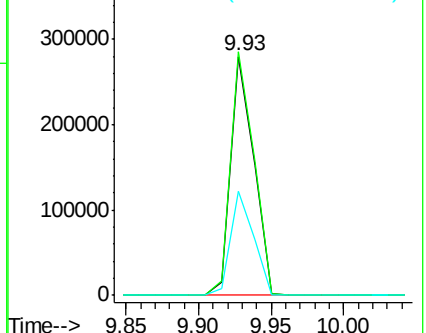
160 43.4 36.9 55.3



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: 162.18 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF092871.D

Acq: 8 Feb 2017 23:30

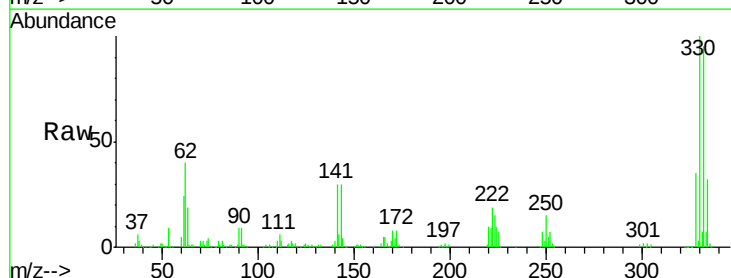
Tgt Ion:330 Resp: 362812

Ion Ratio Lower Upper

330 100

332 95.6 77.4 116.2

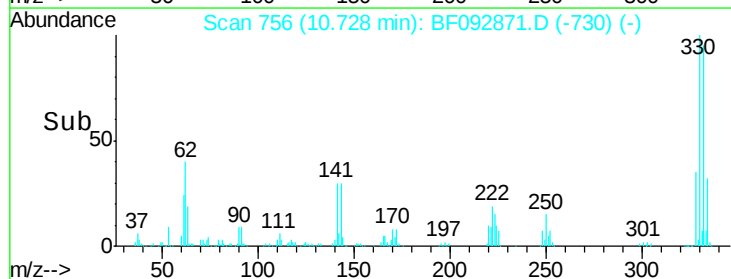
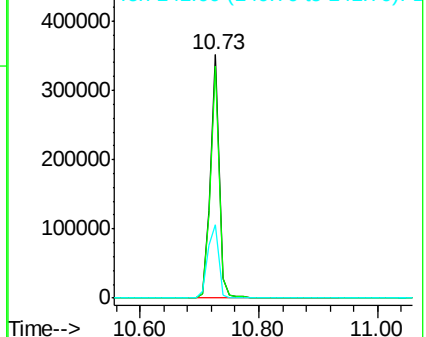
141 37.5 34.1 51.1



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

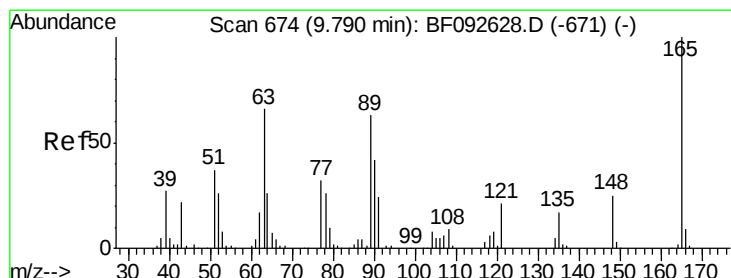
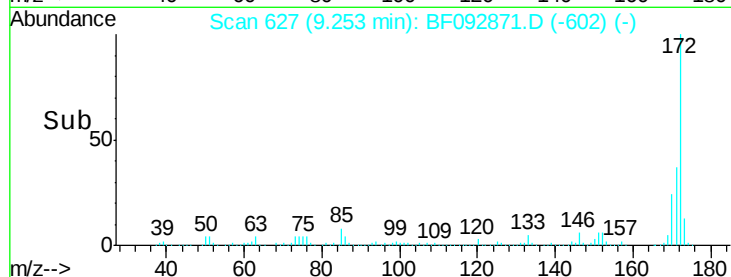
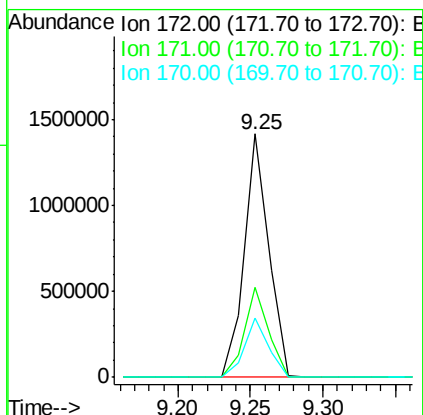
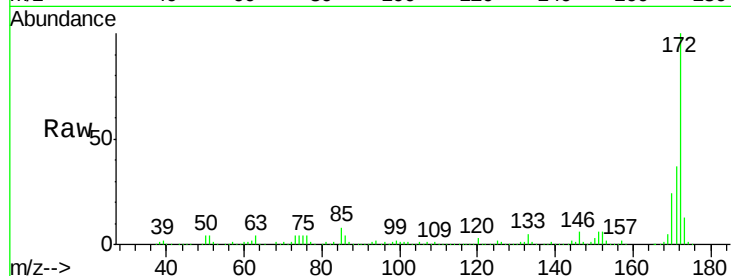




#44
 2-Fluorobiphenyl
 Concen: 97.14 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF092871.D
 Acq: 8 Feb 2017 23:30

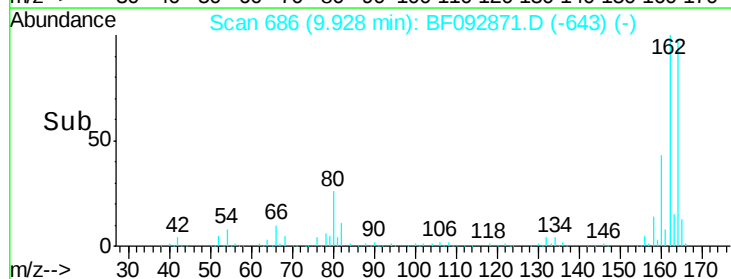
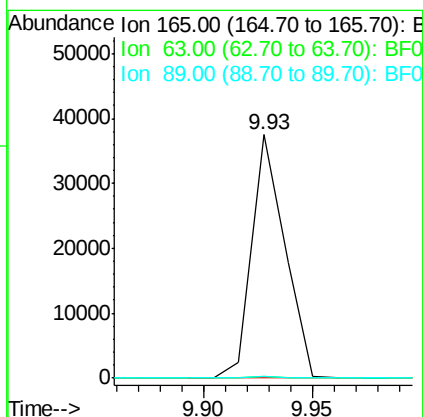
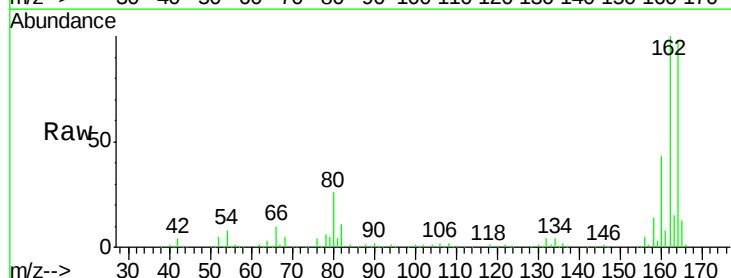
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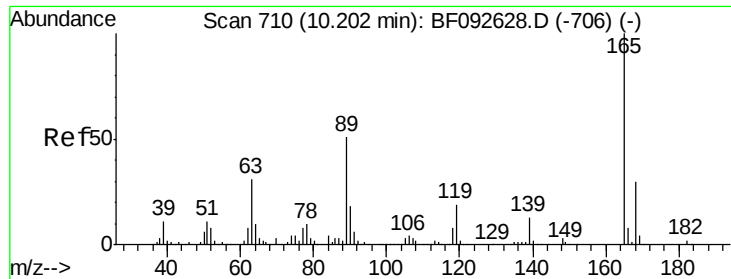
Tgt Ion:172 Resp: 1658567
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.4 44.0
 170 24.5 20.2 30.4



#50
 2,6-Dinitrotoluene
 Concen: 8.88 ng
 RT: 9.93 min Scan# 686
 Delta R.T. 0.19 min
 Lab File: BF092871.D
 Acq: 8 Feb 2017 23:30

Tgt Ion:165 Resp: 39970
 Ion Ratio Lower Upper
 165 100
 63 0.9 36.2 54.4#
 89 0.8 40.2 60.4#

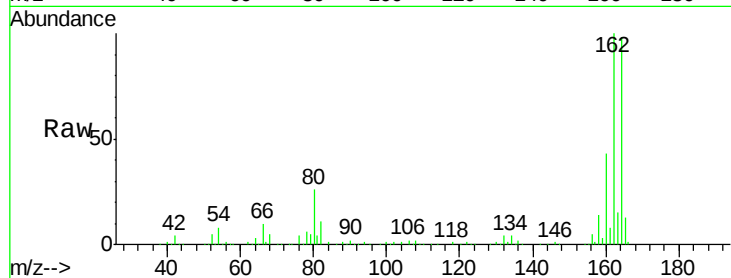




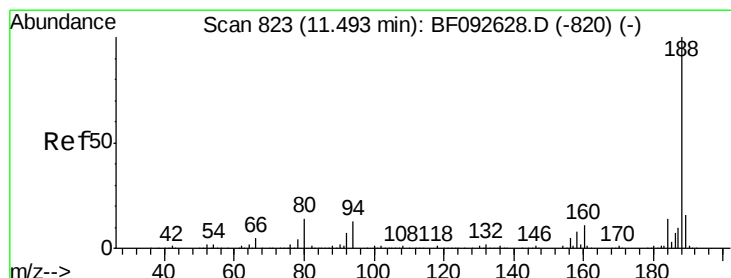
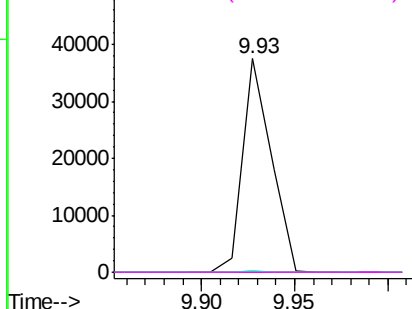
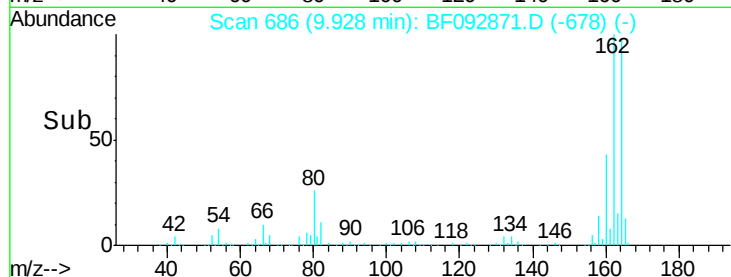
#56
 2,4-Dinitrotoluene
 Concen: 6.67 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.21 min
 Lab File: BF092871.D
 Acq: 8 Feb 2017 23:30

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-COMP

Tgt Ion:165 Resp: 39963
 Ion Ratio Lower Upper
 165 100
 63 0.9 40.2 60.4#
 89 0.8 62.5 93.7#
 182 0.0 1.8 2.8#

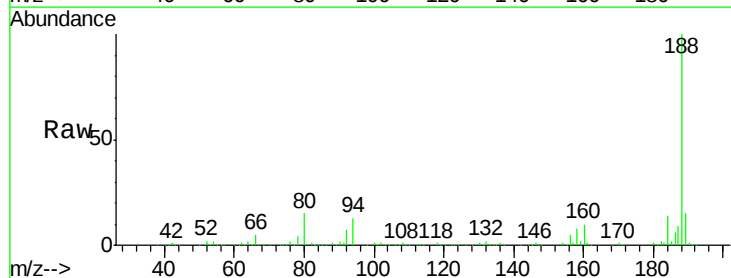


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

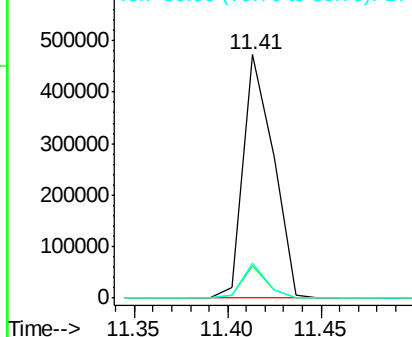
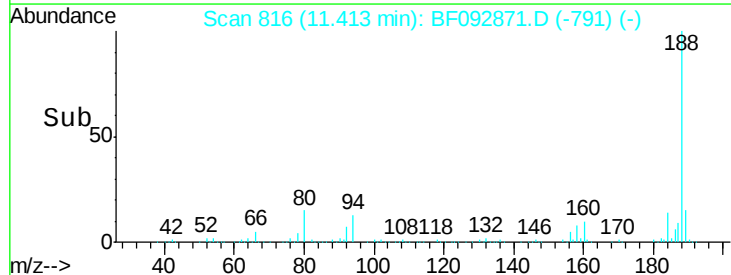


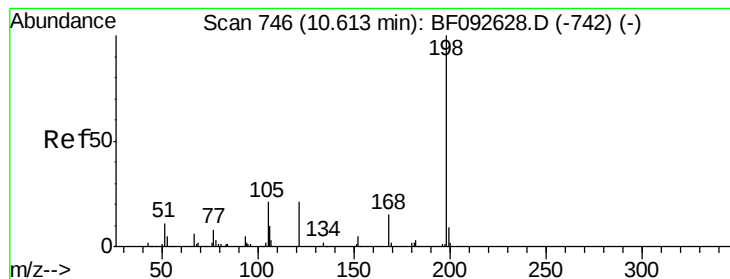
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BF092871.D
 Acq: 8 Feb 2017 23:30

Tgt Ion:188 Resp: 532195
 Ion Ratio Lower Upper
 188 100
 94 13.4 10.0 15.0
 80 14.6 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: 2.94 ng

RT: 10.73 min Scan# 756

Delta R.T. 0.18 min

Lab File: BF092871.D

Acq: 8 Feb 2017 23:30

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-COMP

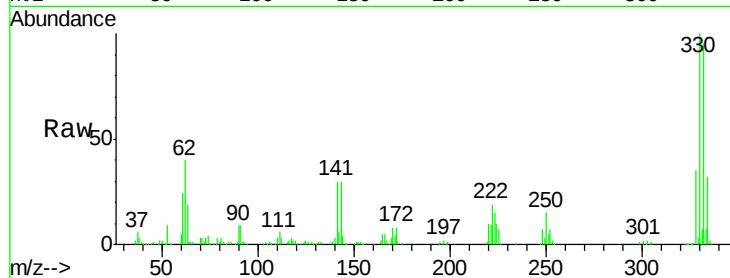
Tgt Ion:198 Resp: 930

Ion Ratio Lower Upper

198 100

51 115.6 6.7 46.7#

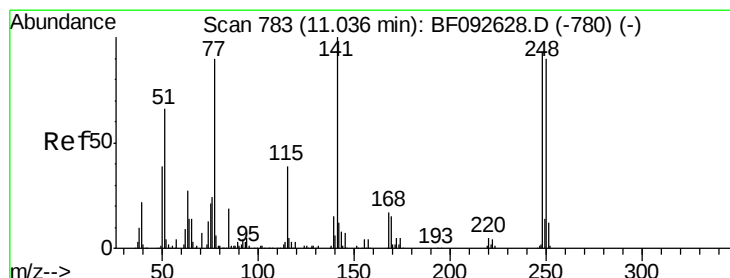
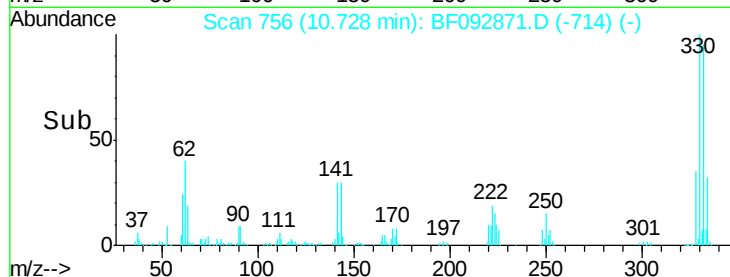
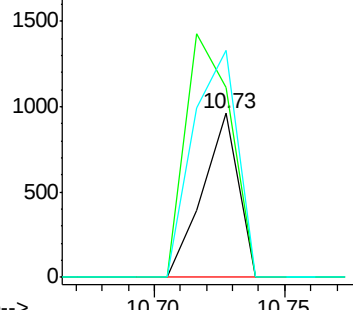
105 138.4 16.6 56.6#



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: 4.91 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.24 min

Lab File: BF092871.D

Acq: 8 Feb 2017 23:30

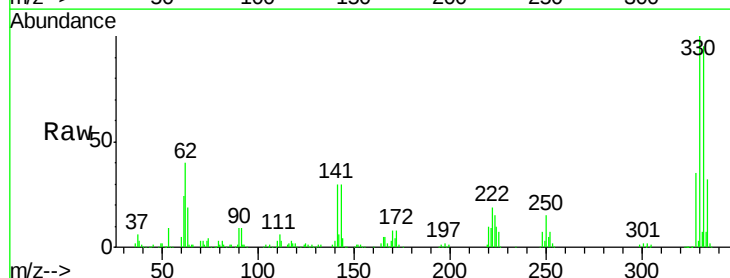
Tgt Ion:248 Resp: 27290

Ion Ratio Lower Upper

248 100

250 204.8 76.9 115.3#

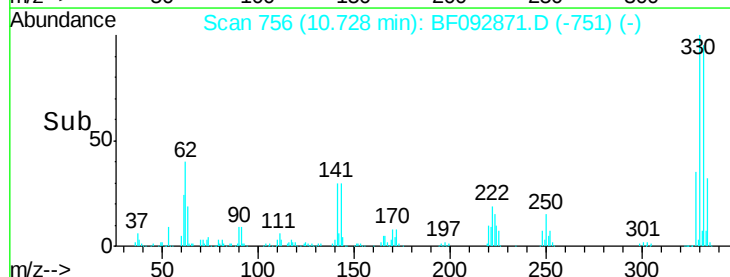
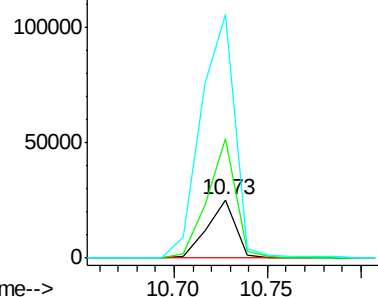
141 417.9 68.2 102.4#

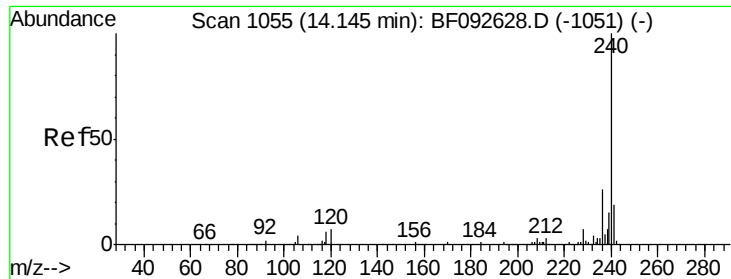


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF092871.D

Acq: 8 Feb 2017 23:30

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-COMP

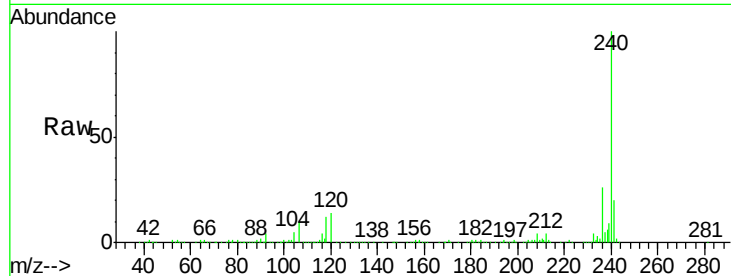
Tgt Ion:240 Resp: 490046

Ion Ratio Lower Upper

240 100

120 13.9 12.9 19.3

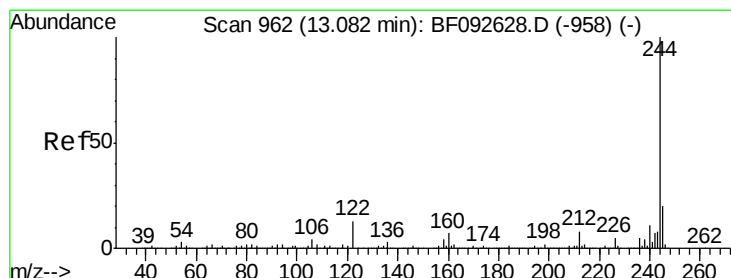
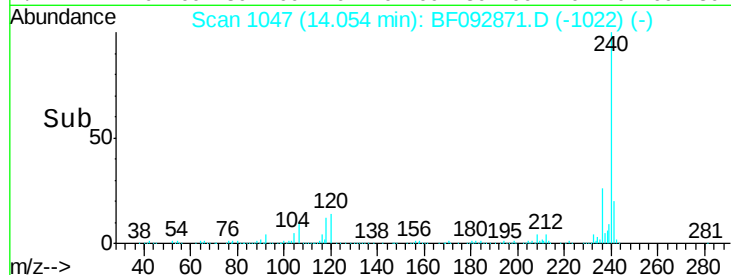
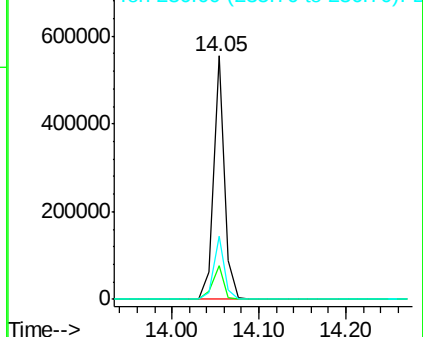
236 26.1 20.9 31.3



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: 89.46 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.00 min

Lab File: BF092871.D

Acq: 8 Feb 2017 23:30

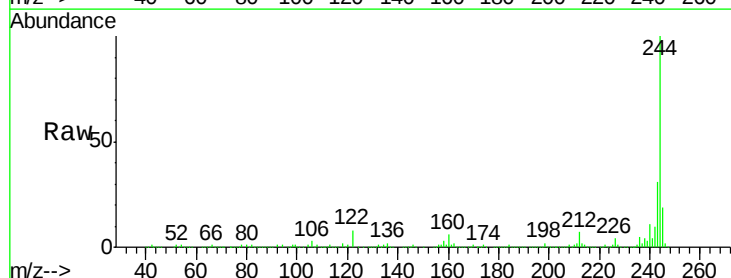
Tgt Ion:244 Resp: 1865691

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

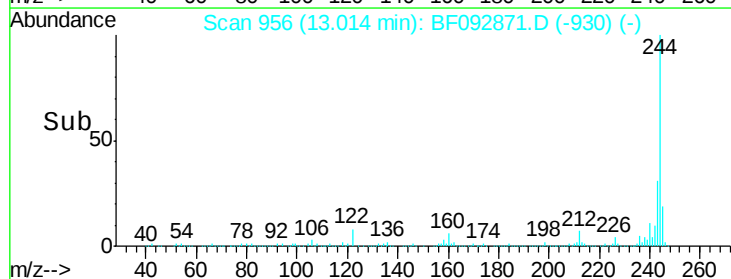
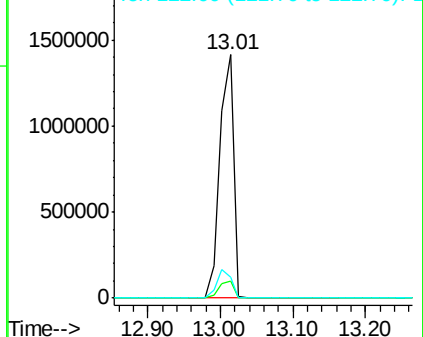
122 8.4 11.4 17.2#

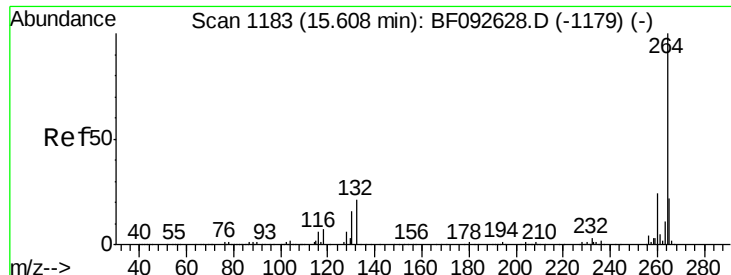


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

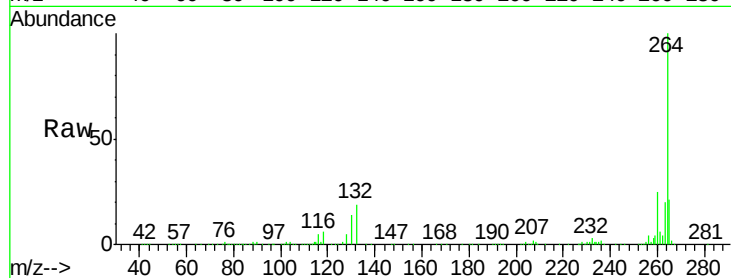




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. -0.00 min
Lab File: BF092871.D
Acq: 8 Feb 2017 23:30

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-COMP

Tgt Ion: 264 Resp: 385258
Ion Ratio Lower Upper
264 100
260 25.3 19.2 28.8
265 21.4 17.4 26.0



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

