

Data Path : Z:\HPCHEM1\BNA F\Data\BF013017\
 Data File : BF092675.D
 Acq On : 31 Jan 2017 11:18
 Operator : SJ/MA
 Sample : I1551-06
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-41

Quant Time: Jan 31 12:06:31 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

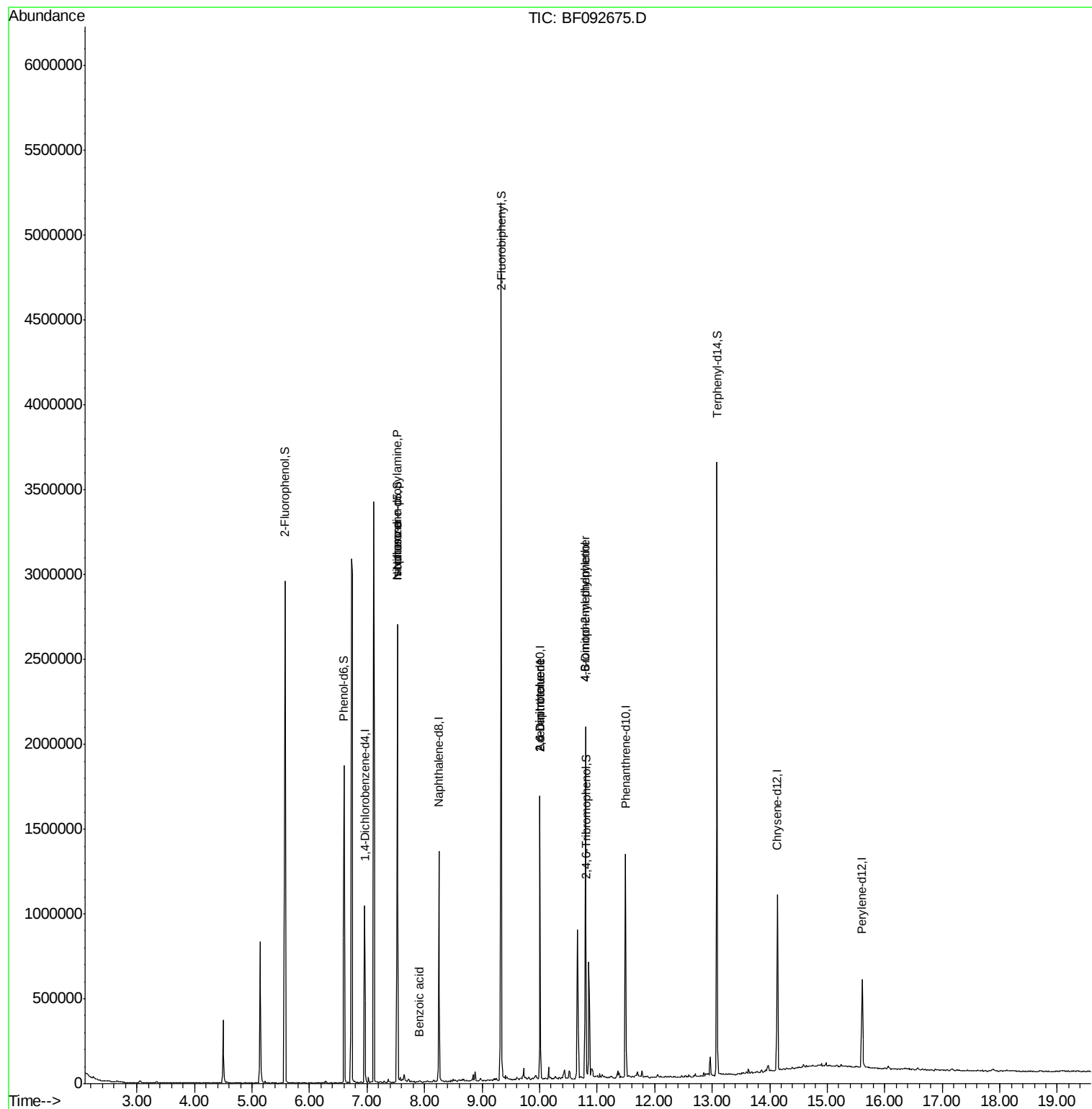
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	170954	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	654421	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	325596	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	435812	20.00	ng	0.00
75) Chrysene-d12	14.13	240	345791	20.00	ng	-0.01
86) Perylene-d12	15.61	264	229476	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	778583	78.14	ng	0.00
7) Phenol-d6	6.60	99	671265	52.36	ng	0.00
23) Nitrobenzene-d5	7.53	82	1069210	90.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	274230	116.45	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1809111	100.66	ng	0.00
78) Terphenyl-d14	13.08	244	1171998	79.64	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	139932	17.15	ng	# 86
25) Isophorone	7.53	82	1057152	48.28	ng	# 65
32) Benzoic acid	7.90	122	1097	7.33	ng	# 36
50) 2,6-Dinitrotoluene	10.01	165	42360	8.94	ng	# 31
56) 2,4-Dinitrotoluene	10.01	165	42659	6.77	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.80	198	515	2.85	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	19134	4.20	ng	# 1

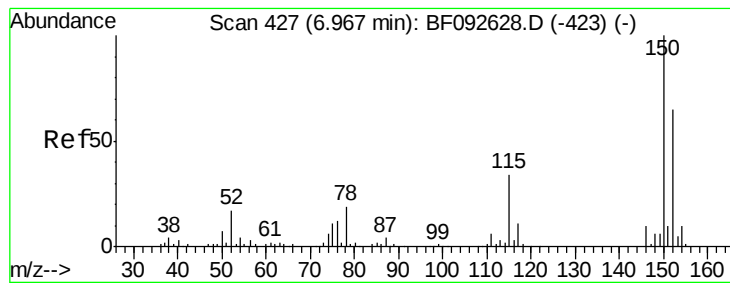
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.96 min Scan# 426

Delta R.T. -0.01 min

Lab File: BF092675.D

Acq: 31 Jan 2017 11:18

Instrument :

BNA_F

ClientSampleId :

W-41

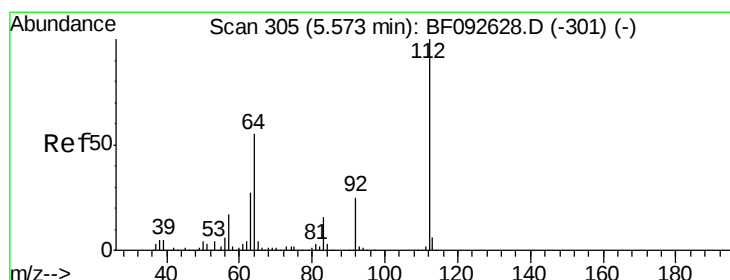
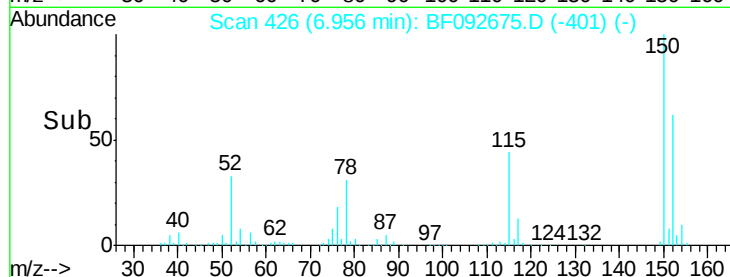
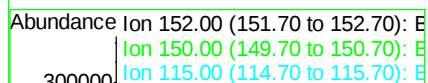
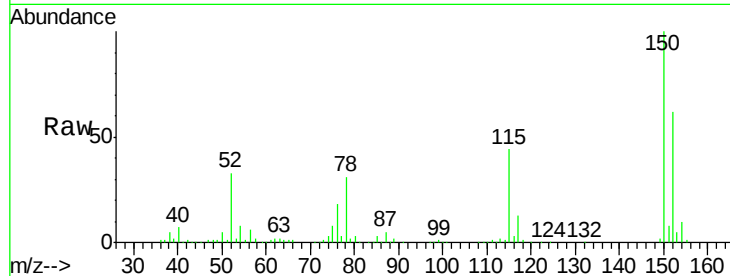
Tot Ion:152 Resp: 170954

Ion Ratio Lower Upper

152 100

150 161.4 124.9 187.3

115 70.2 46.0 69.0#



#5

2-Fluorophenol

Concen: 78.14 ng

RT: 5.57 min Scan# 305

Delta R.T. 0.00 min

Lab File: BF092675.D

Acq: 31 Jan 2017 11:18

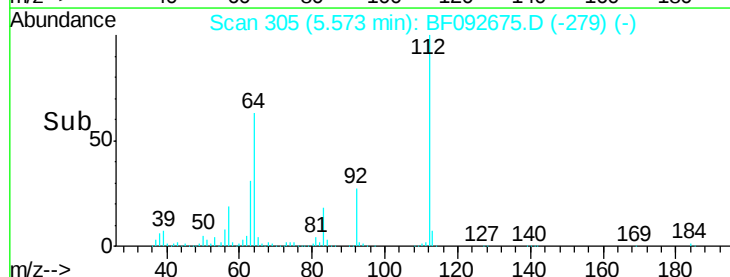
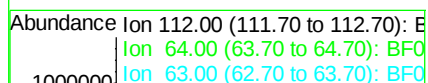
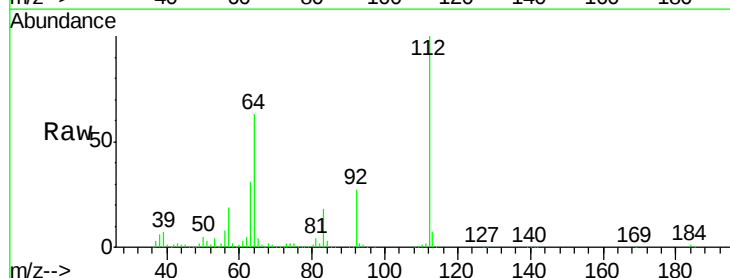
Tgt Ion:112 Resp: 778583

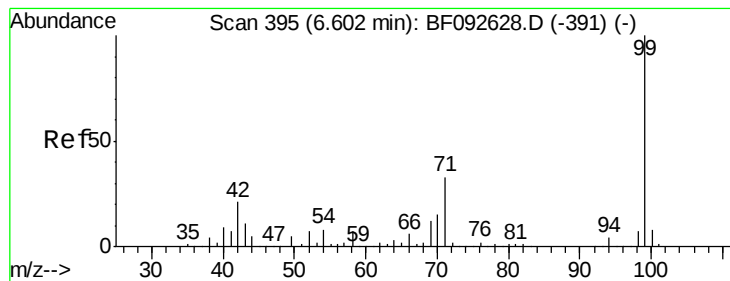
Ion Ratio Lower Upper

112 100

64 62.7 46.1 69.1

63 31.4 23.8 35.6





#7

Phenol-d6

Concen: 52.36 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF092675.D

Acq: 31 Jan 2017 11:18

Instrument :

BNA_F

ClientSampled :

W-41

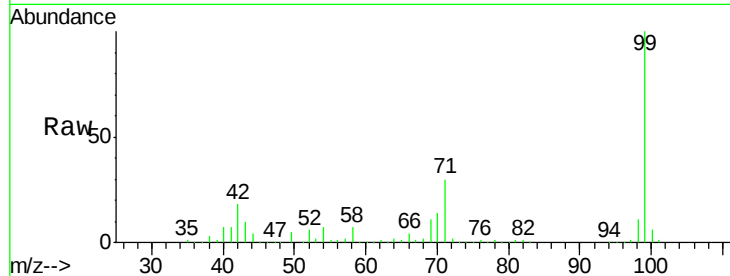
Tot Ion: 99 Resp: 671265

Ion Ratio Lower Upper

99 100

42 18.2 15.6 23.4

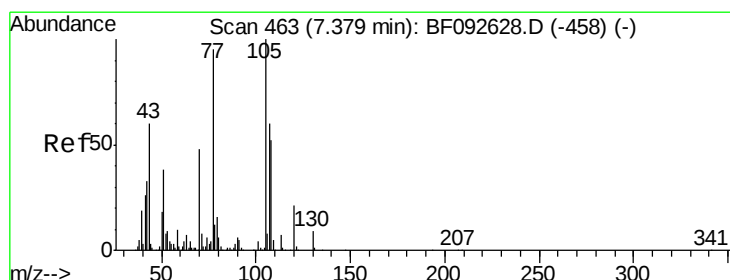
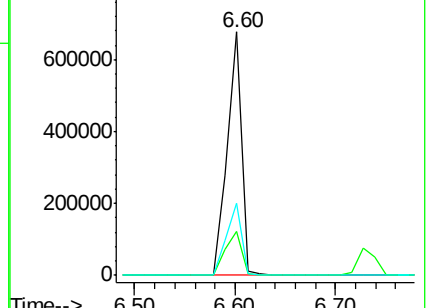
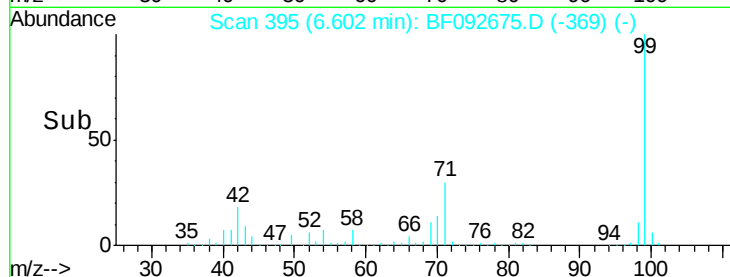
71 29.5 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.15 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.15 min

Lab File: BF092675.D

Acq: 31 Jan 2017 11:18

Tgt Ion: 70 Resp: 139932

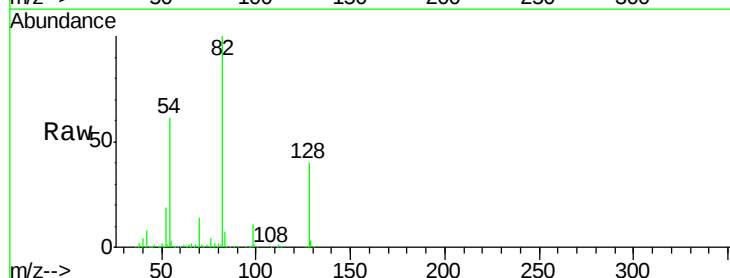
Ion Ratio Lower Upper

70 100

42 57.7 49.4 74.0

101 0.0 7.4 11.2#

130 1.8 14.2 21.4#

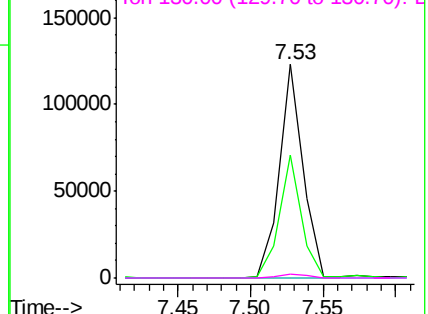
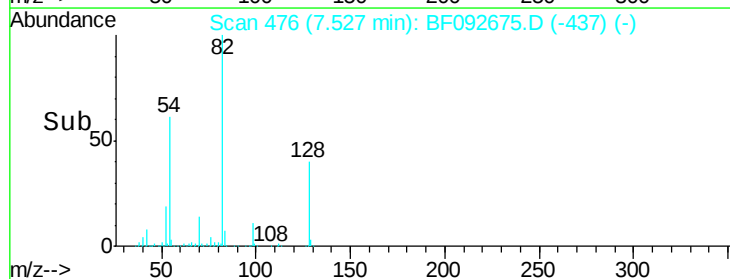


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

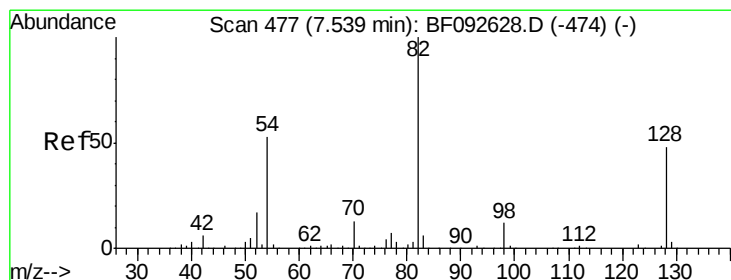
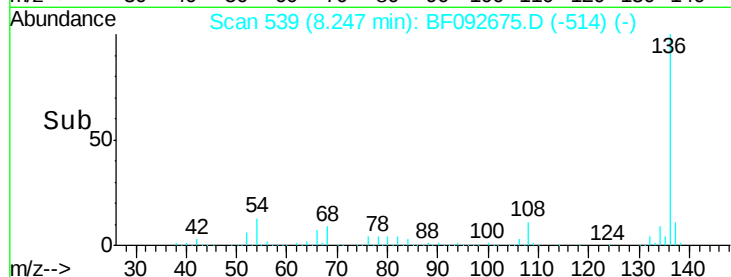
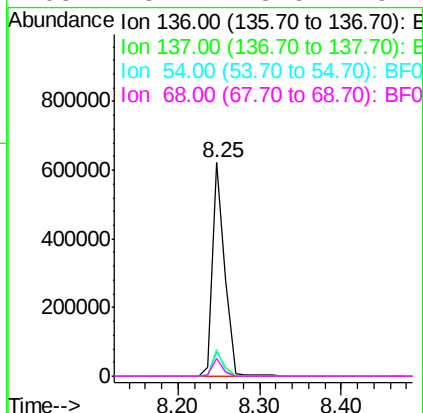
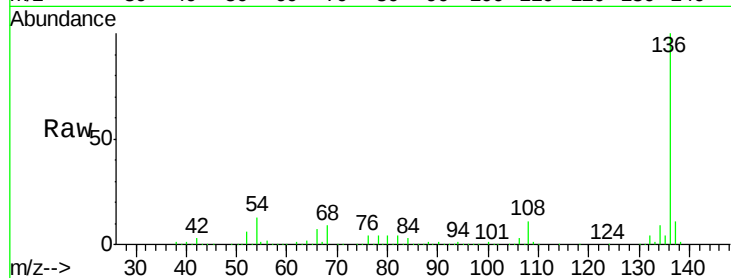




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF092675.D
Acq: 31 Jan 2017 11:18

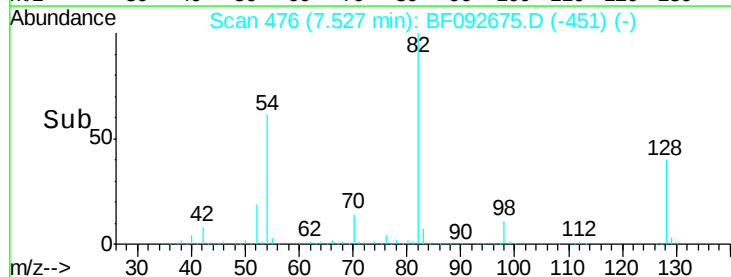
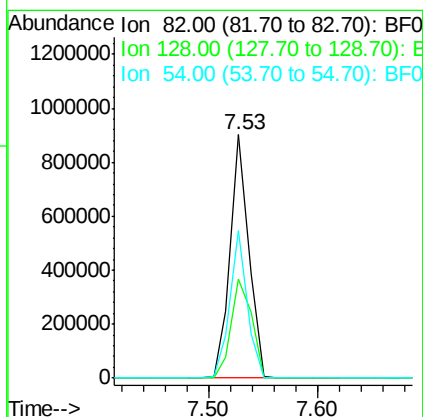
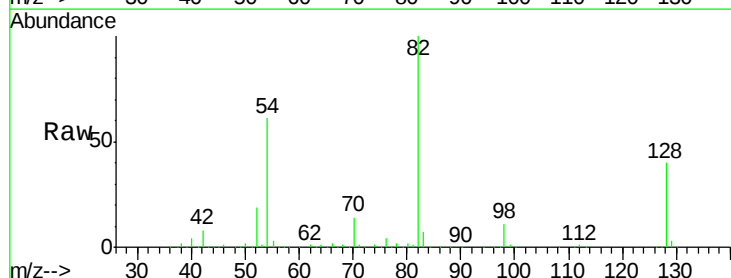
Instrument :
BNA_F
ClientSampleId :
W-41

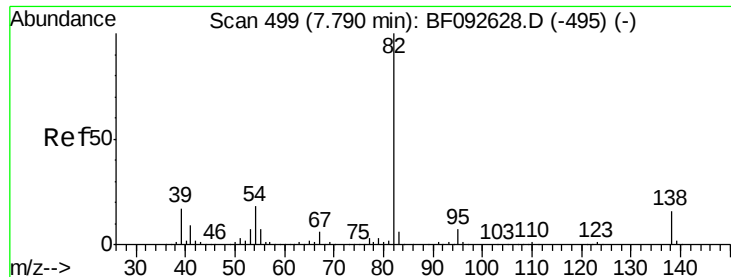
Tot Ion:	136	Resp:	654421
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	12.6	4.5	6.7#
68	8.7	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 90.98 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092675.D
Acq: 31 Jan 2017 11:18

Tgt Ion:	82	Resp:	1069210
Ion	Ratio	Lower	Upper
82	100		
128	40.5	34.6	52.0
54	60.6	39.5	59.3#





#25

Isophorone

Concen: 48.28 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.26 min

Lab File: BF092675.D

Acq: 31 Jan 2017 11:18

Instrument :

BNA_F

ClientSampleId :

W-41

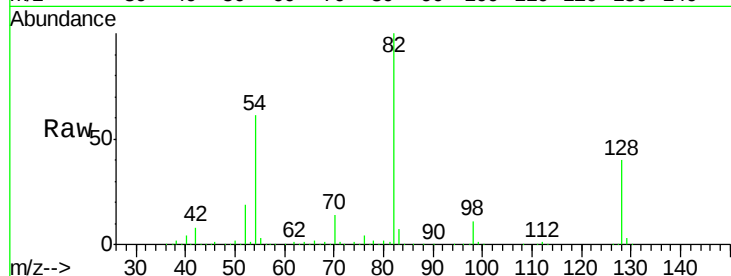
Tot Ion: 82 Resp: 1057152

Ion Ratio Lower Upper

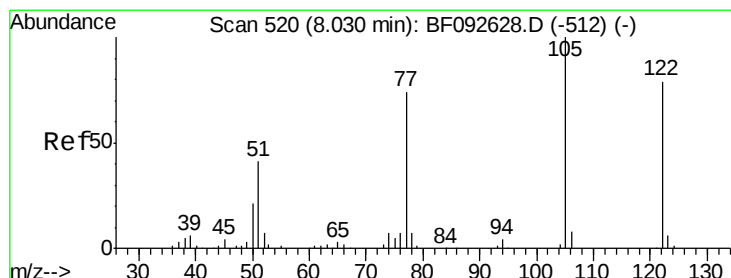
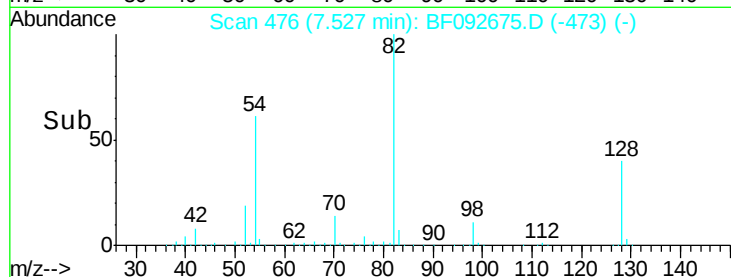
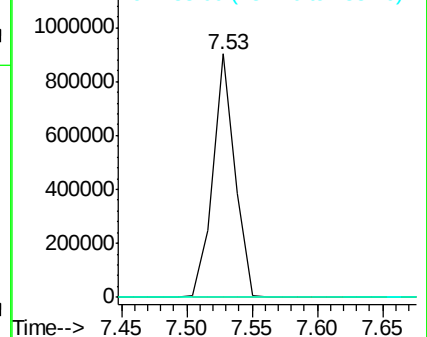
82 100

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): BF0



#32

Benzoic acid

Concen: 7.33 ng

RT: 7.90 min Scan# 509

Delta R.T. -0.13 min

Lab File: BF092675.D

Acq: 31 Jan 2017 11:18

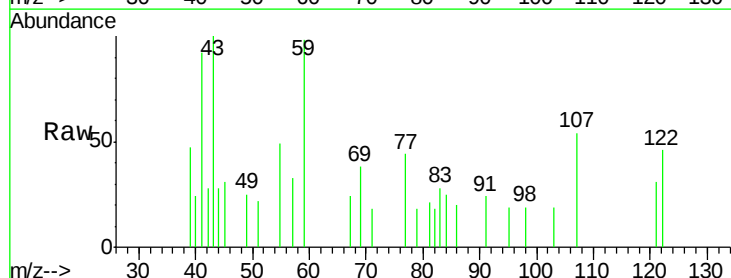
Tgt Ion: 122 Resp: 1097

Ion Ratio Lower Upper

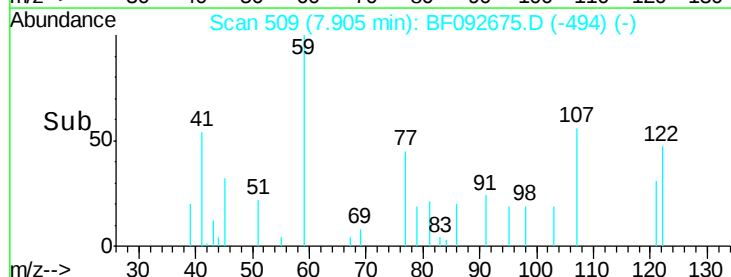
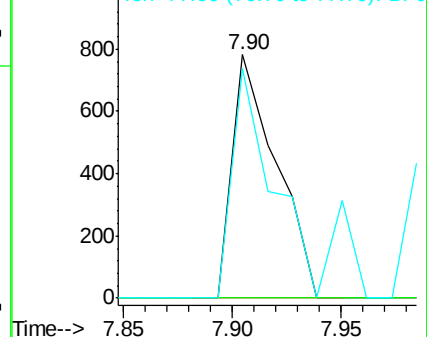
122 100

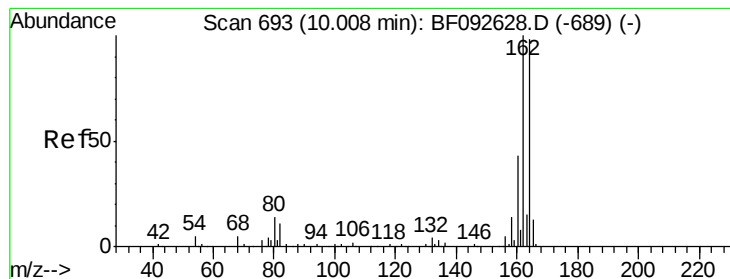
105 0.0 107.2 147.2#

77 94.2 74.5 114.5



Abundance Ion 122.00 (121.70 to 122.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: BF092675.D

Acq: 31 Jan 2017 11:18

Instrument :

BNA_F

ClientSampleId :

W-41

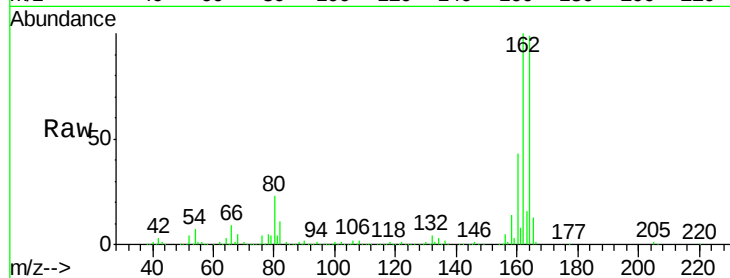
Tot Ion:164 Resp: 325596

Ion Ratio Lower Upper

164 100

162 100.8 80.2 120.2

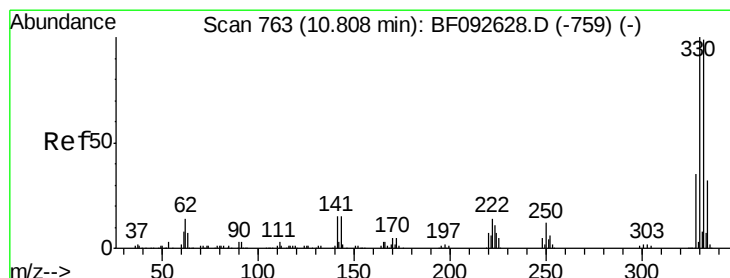
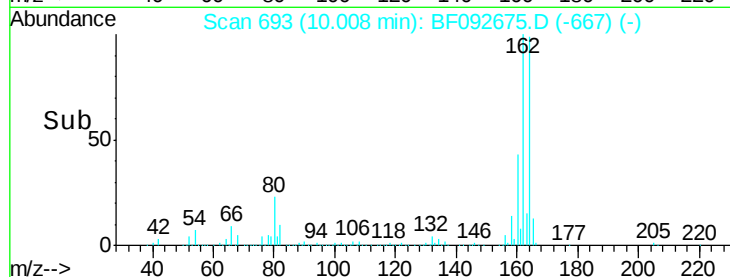
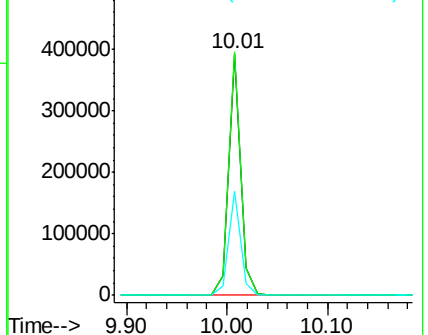
160 43.3 36.9 55.3



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: 116.45 ng

RT: 10.81 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF092675.D

Acq: 31 Jan 2017 11:18

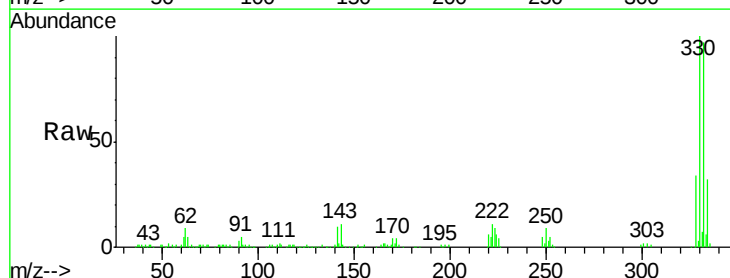
Tgt Ion:330 Resp: 274230

Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.2

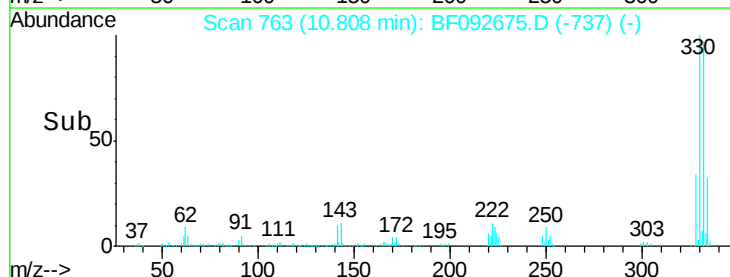
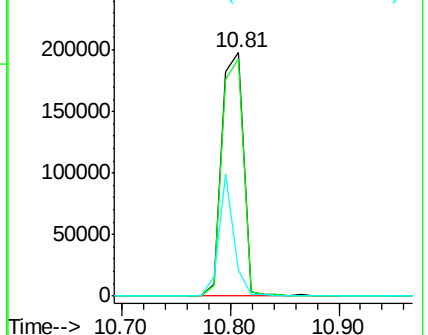
141 35.1 34.1 51.1



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

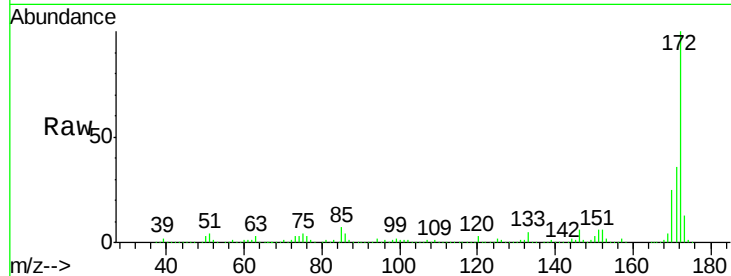




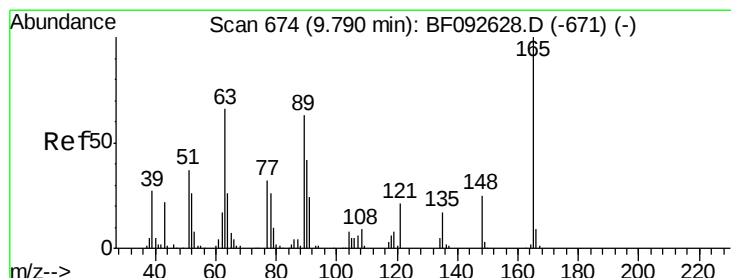
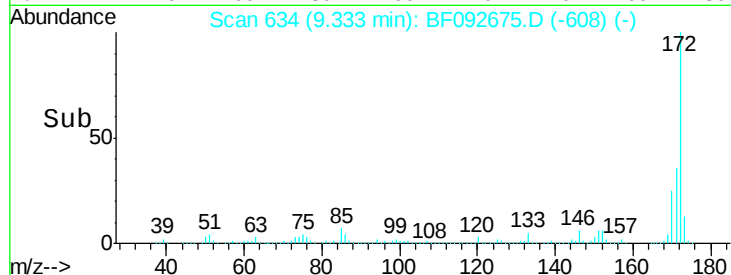
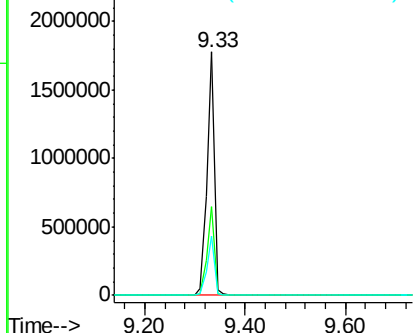
#44
 2-Fluorobiphenyl
 Concen: 100.66 ng
 RT: 9.33 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: BF092675.D
 Acq: 31 Jan 2017 11:18

Instrument :
 BNA_F
 ClientSampleId :
 W-41

Tot Ion:172 Resp: 1809111
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.5 20.2 30.4

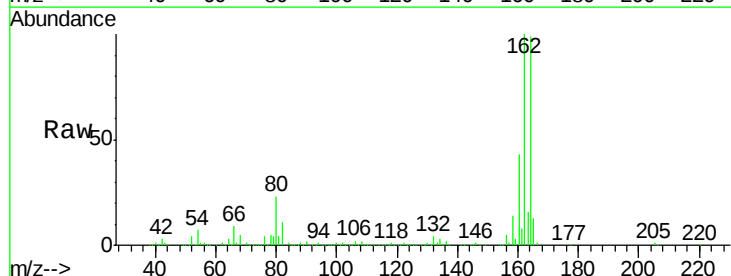


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

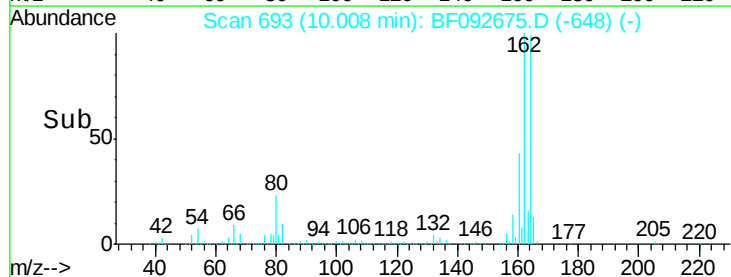
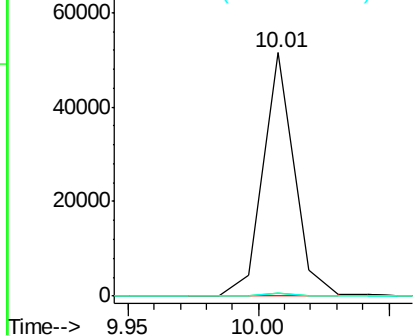


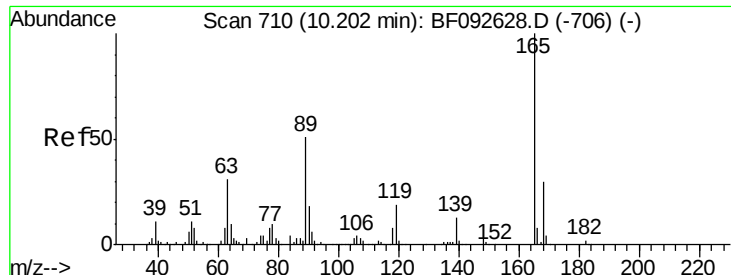
#50
 2,6-Dinitrotoluene
 Concen: 8.94 ng
 RT: 10.01 min Scan# 693
 Delta R.T. 0.22 min
 Lab File: BF092675.D
 Acq: 31 Jan 2017 11:18

Tgt Ion:165 Resp: 42360
 Ion Ratio Lower Upper
 165 100
 63 1.3 36.2 54.4#
 89 1.2 40.2 60.4#



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

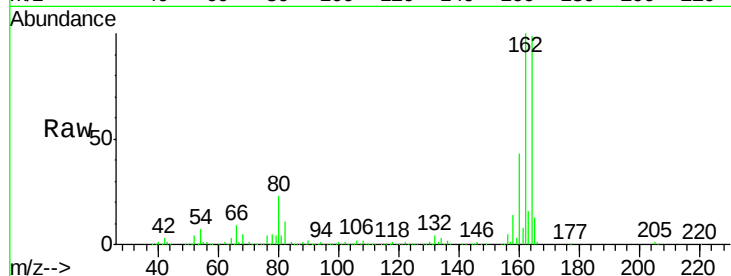




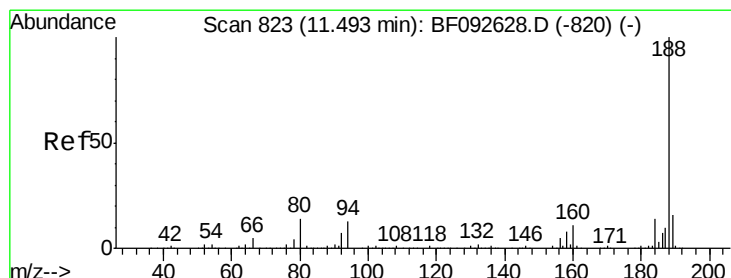
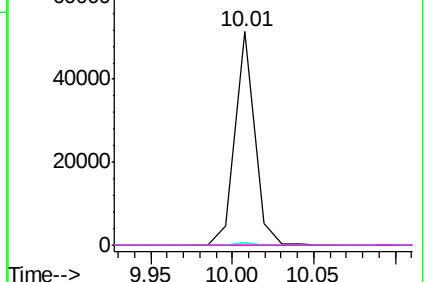
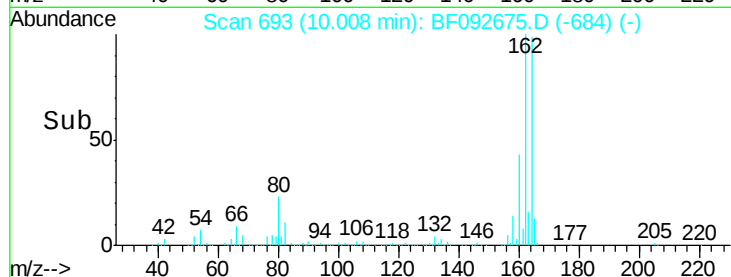
#56
2,4-Dinitrotoluene
Concen: 6.77 ng
RT: 10.01 min Scan# 693
Delta R.T. -0.19 min
Lab File: BF092675.D
Acq: 31 Jan 2017 11:18

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:165 Resp: 42659
Ion Ratio Lower Upper
165 100
63 1.3 40.2 60.4#
89 1.2 62.5 93.7#
182 0.0 1.8 2.8#

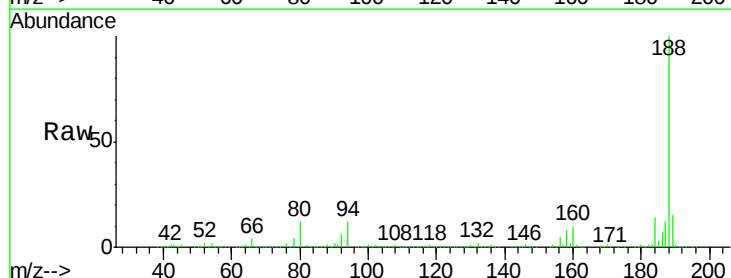


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

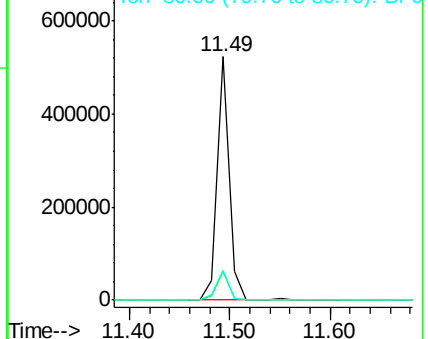
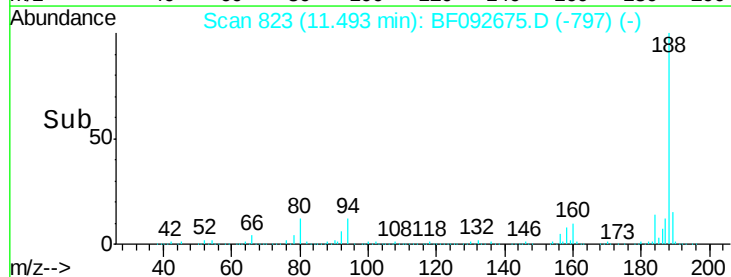


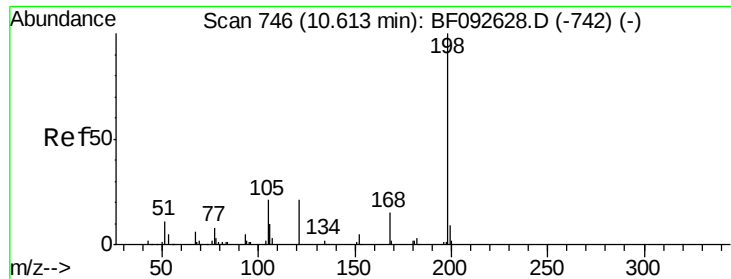
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF092675.D
Acq: 31 Jan 2017 11:18

Tgt Ion:188 Resp: 435812
Ion Ratio Lower Upper
188 100
94 11.6 10.0 15.0
80 12.4 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: 2.85 ng

RT: 10.80 min Scan# 762

Delta R.T. 0.18 min

Lab File: BF092675.D

Acq: 31 Jan 2017 11:18

Instrument :

BNA_F

ClientSampleId :

W-41

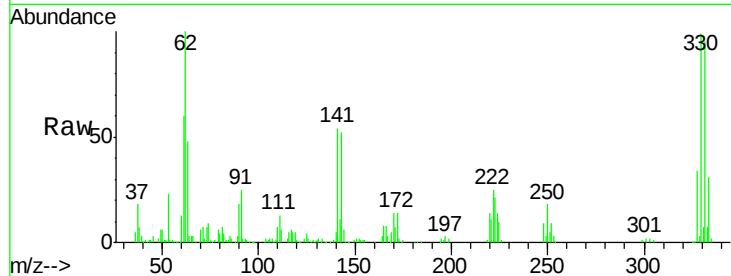
Tot Ion:198 Resp: 515

Ion Ratio Lower Upper

198 100

51 351.9 6.7 46.7#

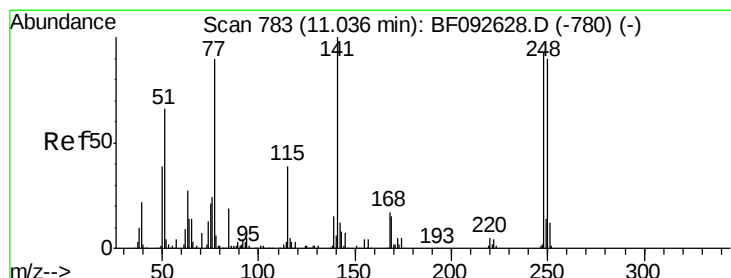
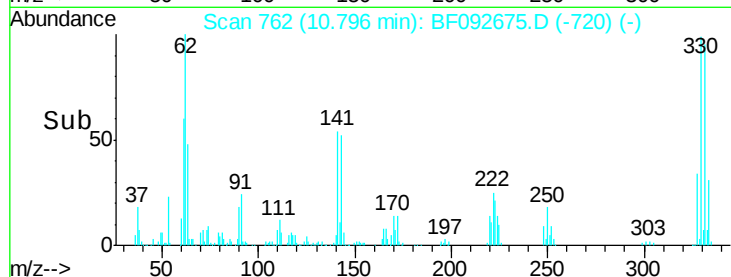
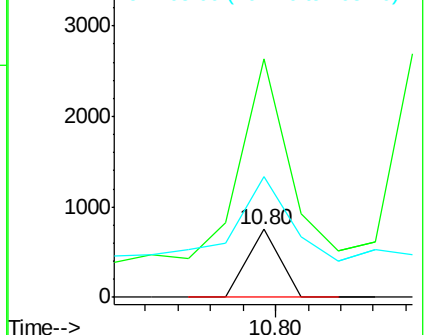
105 177.4 16.6 56.6#



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: 4.20 ng

RT: 10.80 min Scan# 762

Delta R.T. -0.24 min

Lab File: BF092675.D

Acq: 31 Jan 2017 11:18

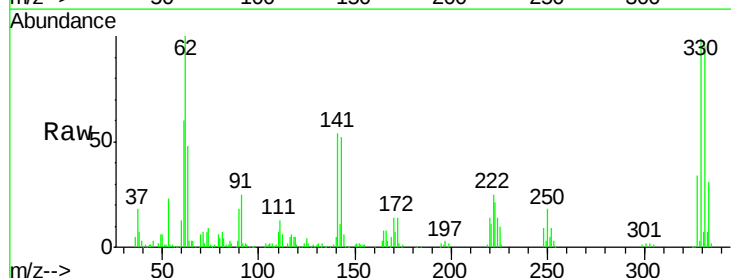
Tgt Ion:248 Resp: 19134

Ion Ratio Lower Upper

248 100

250 205.2 76.9 115.3#

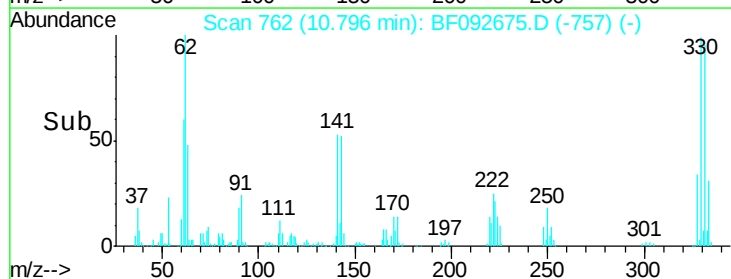
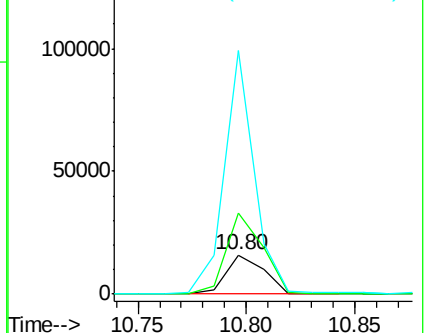
141 618.8 68.2 102.4#

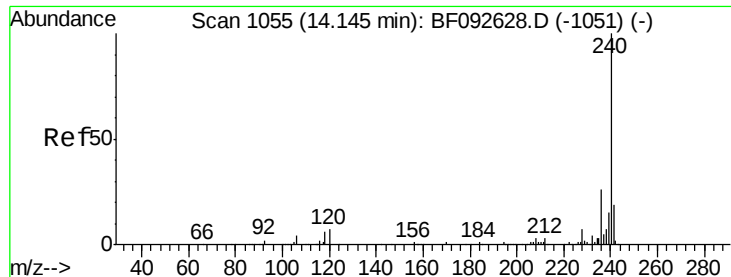


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.13 min Scan# 1054

Delta R.T. -0.01 min

Lab File: BF092675.D

Acq: 31 Jan 2017 11:18

Instrument :

BNA_F

ClientSampled :

W-41

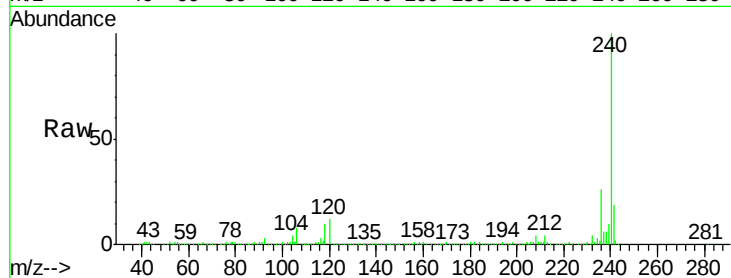
Tot Ion:240 Resp: 345791

Ion Ratio Lower Upper

240 100

120 12.1 12.9 19.3#

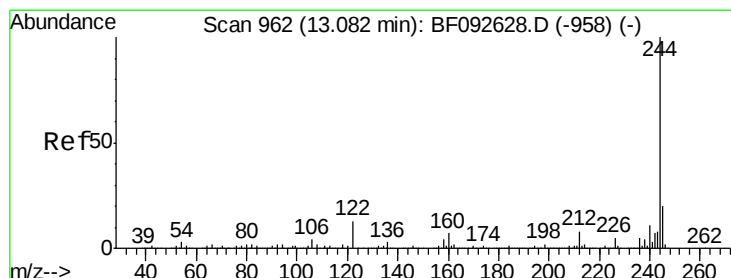
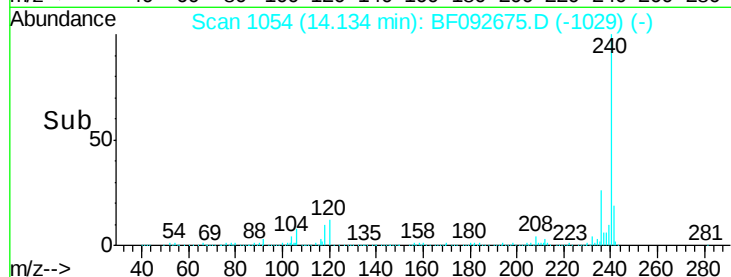
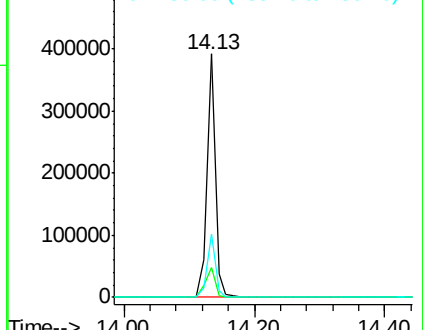
236 26.1 20.9 31.3



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: 79.64 ng

RT: 13.08 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF092675.D

Acq: 31 Jan 2017 11:18

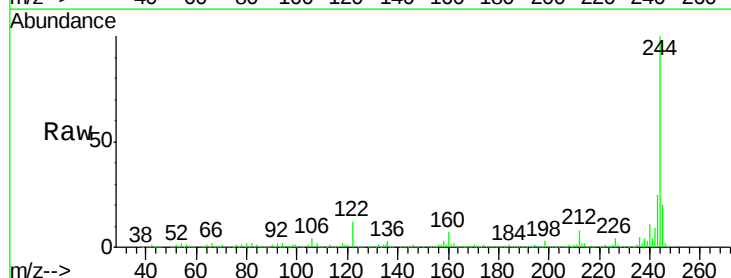
Tgt Ion:244 Resp: 1171998

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

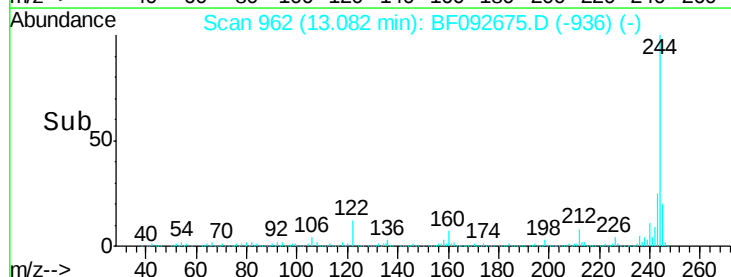
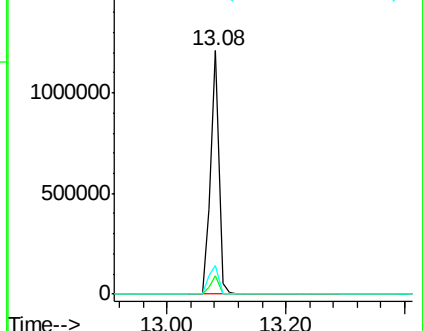
122 11.7 11.4 17.2

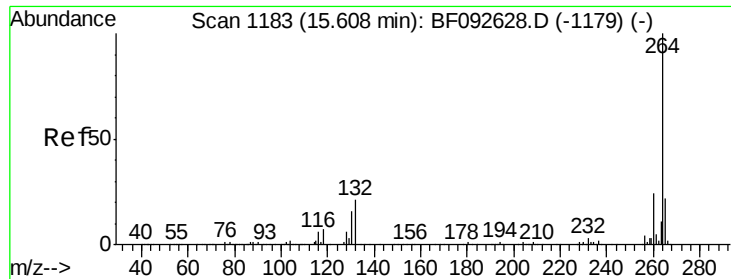


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.61 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BF092675.D
Acq: 31 Jan 2017 11:18

Instrument :
BNA_F
ClientSampleId :
W-41

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.7	17.4	26.0

