

Data Path : Z:\HPCHEM1\BNA F\Data\BF020217\
 Data File : BF092770.D
 Acq On : 3 Feb 2017 10:42
 Operator : SJ/MA
 Sample : I1647-07
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 03 11:12:39 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

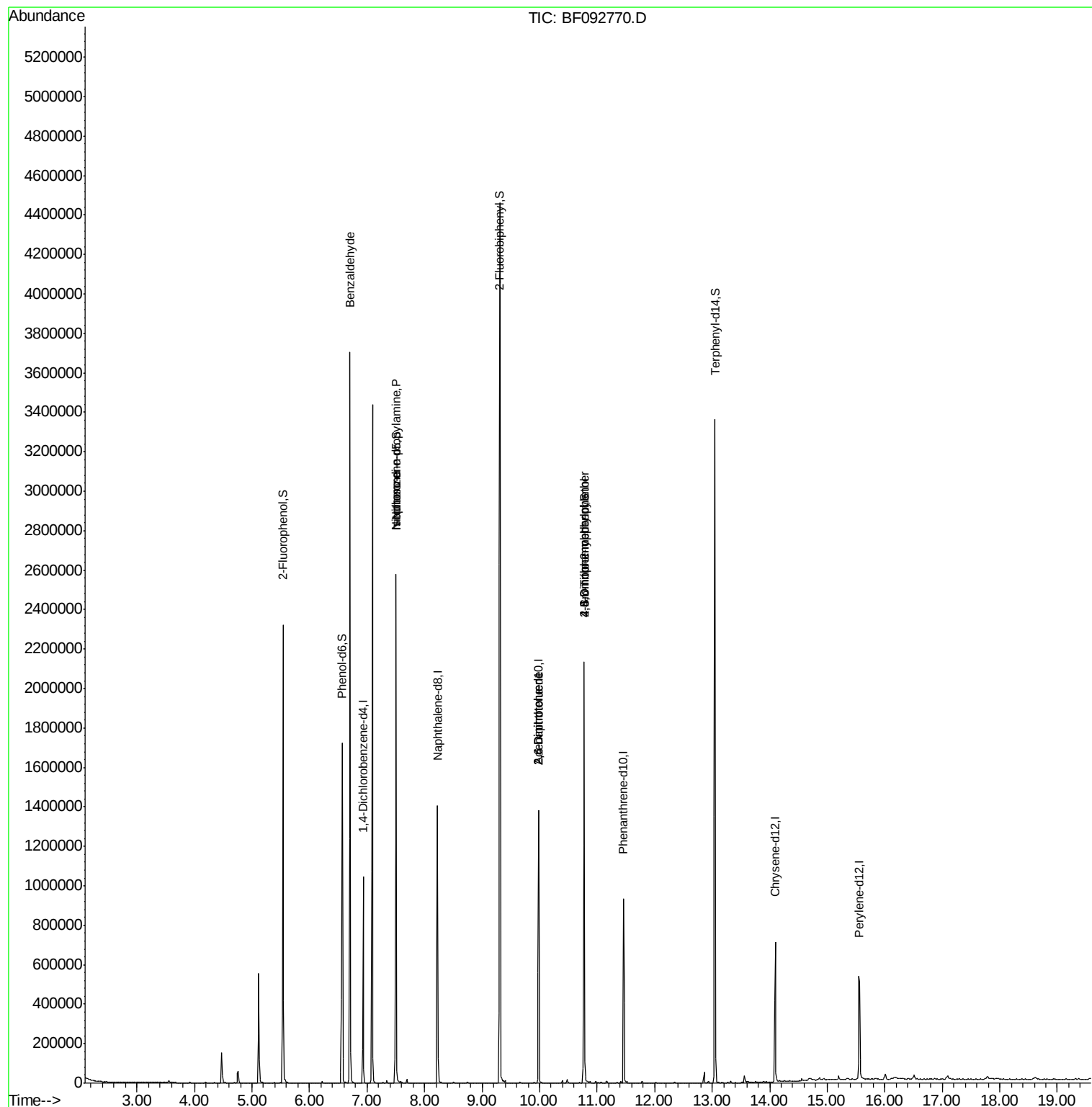
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	148458	20.00	ng	-0.03
21) Naphthalene-d8	8.22	136	614019	20.00	ng	-0.03
38) Acenaphthene-d10	9.98	164	328228	20.00	ng	-0.02
63) Phenanthrene-d10	11.46	188	399440	20.00	ng	-0.03
75) Chrysene-d12	14.10	240	311126	20.00	ng	-0.05
86) Perylene-d12	15.56	264	300925	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	603801	69.78	ng	-0.03
7) Phenol-d6	6.57	99	517399	46.47	ng	-0.03
23) Nitrobenzene-d5	7.50	82	942670	85.49	ng	-0.03
41) 2,4,6-Tribromophenol	10.77	330	273131	115.05	ng	-0.03
44) 2-Fluorobiphenyl	9.31	172	1788359	98.71	ng	-0.02
78) Terphenyl-d14	13.05	244	1104013	83.38	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.70	77	20728	2.60	ng	# 81
19) n-Nitroso-di-n-propylamine	7.50	70	122583	17.30	ng	# 80
25) Isophorone	7.50	82	914426	44.51	ng	# 65
50) 2,6-Dinitrotoluene	9.98	165	41710	8.74	ng	# 30
56) 2,4-Dinitrotoluene	9.98	165	41712	6.56	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.77	198	715	2.95	ng	# 1
66) 4-Bromophenyl-phenylether	10.77	248	21099	5.06	ng	# 1

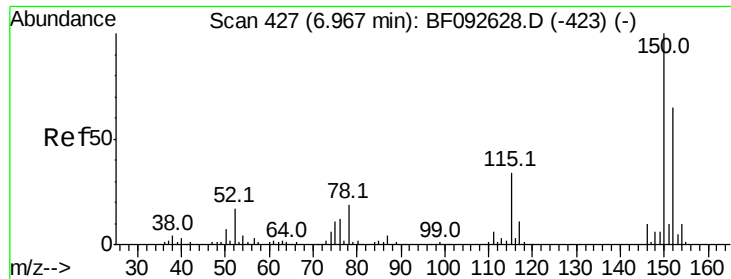
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 30 14:50:05 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.03 min

Lab File: BF092770.D

Acq: 3 Feb 2017 10:42

Instrument :

BNA_F

ClientSampleId :

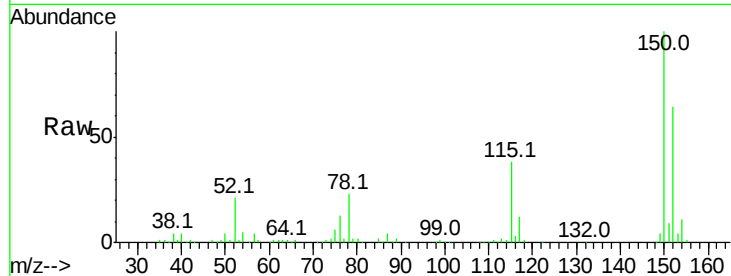
Tot Ion:152 Resp: 148458

Ion Ratio Lower Upper

152 100

150 156.2 124.9 187.3

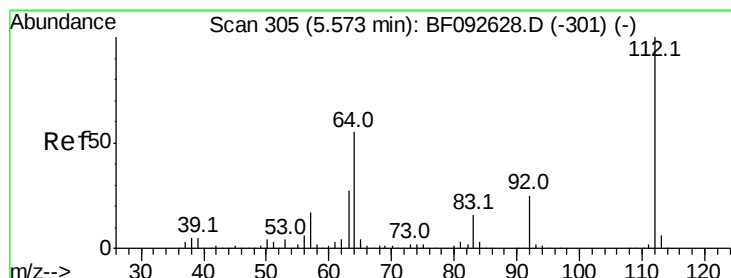
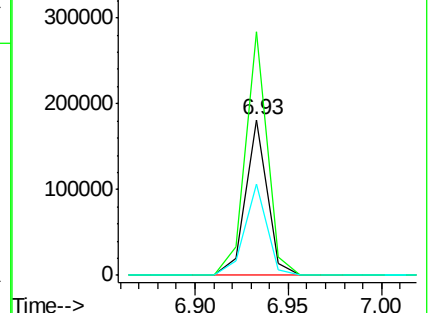
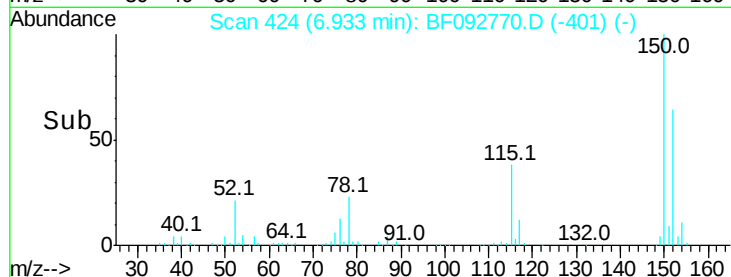
115 58.6 46.0 69.0



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: 69.78 ng

RT: 5.54 min Scan# 302

Delta R.T. -0.03 min

Lab File: BF092770.D

Acq: 3 Feb 2017 10:42

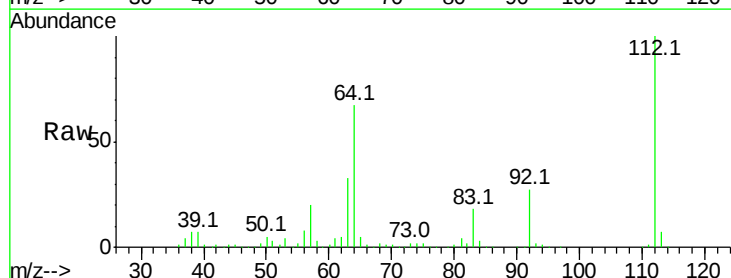
Tgt Ion:112 Resp: 603801

Ion Ratio Lower Upper

112 100

64 66.6 46.1 69.1

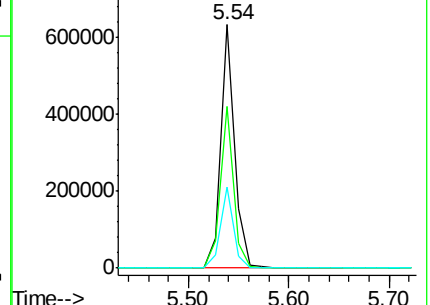
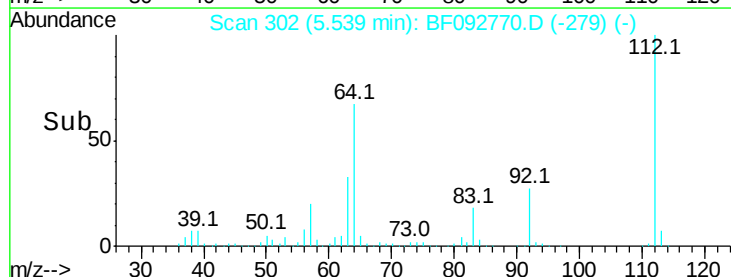
63 33.3 23.8 35.6

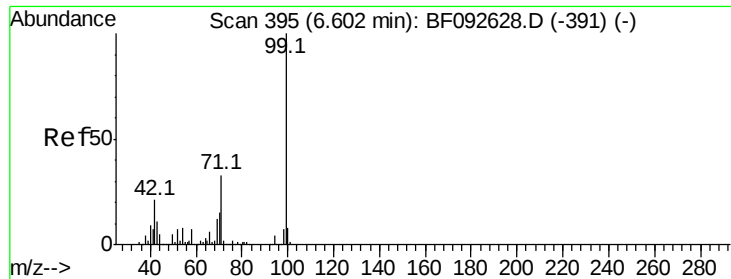


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 46.47 ng

RT: 6.57 min Scan# 392

Delta R.T. -0.03 min

Lab File: BF092770.D

Acq: 3 Feb 2017 10:42

Instrument :

BNA_F

ClientSampleId :

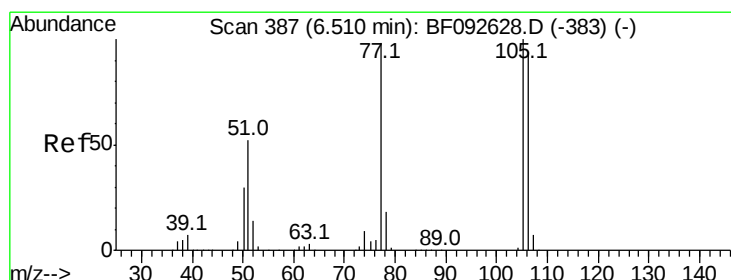
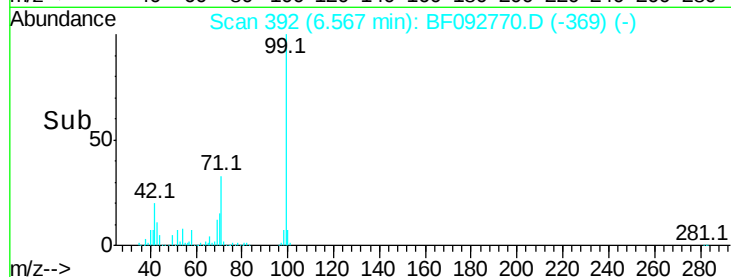
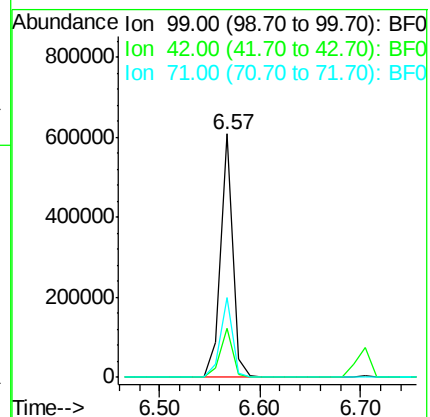
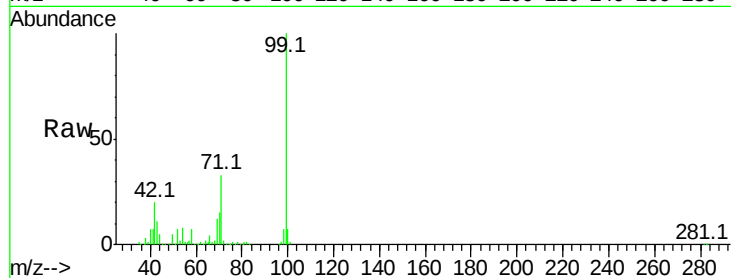
Tot Ion: 99 Resp: 517399

Ion Ratio Lower Upper

99 100

42 20.1 15.6 23.4

71 32.7 27.5 41.3



#9

Benzaldehyde

Concen: 2.60 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.19 min

Lab File: BF092770.D

Acq: 3 Feb 2017 10:42

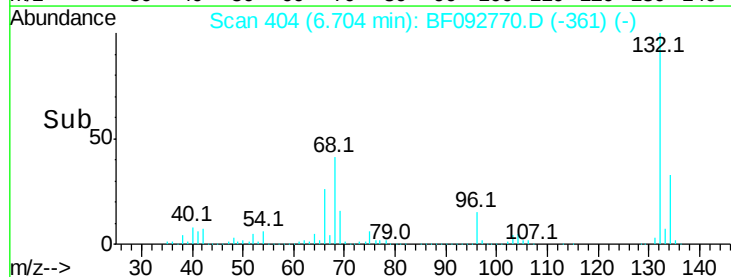
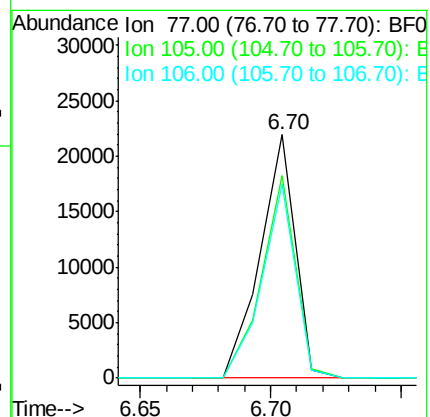
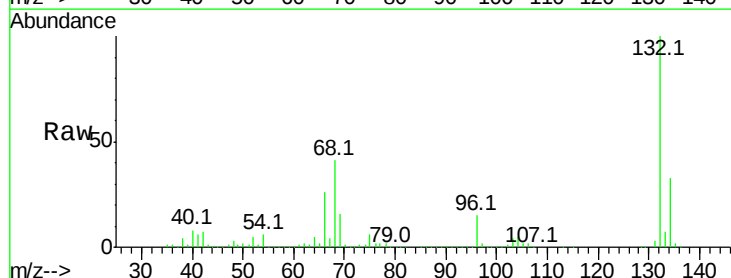
Tgt Ion: 77 Resp: 20728

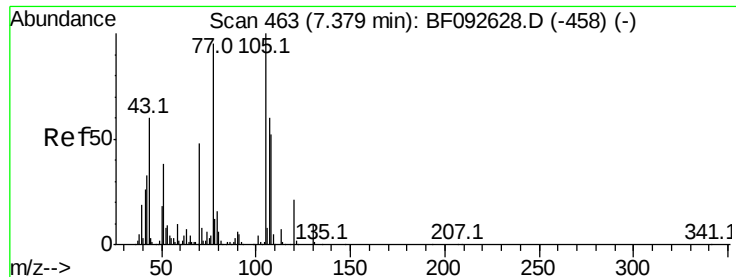
Ion Ratio Lower Upper

77 100

105 83.1 83.9 123.9#

106 79.6 77.6 117.6





#19

n-Nitroso-di-n-propylamine

Concen: 17.30 ng

RT: 7.50 min Scan# 474

Delta R.T. 0.13 min

Lab File: BF092770.D

Acq: 3 Feb 2017 10:42

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 122583

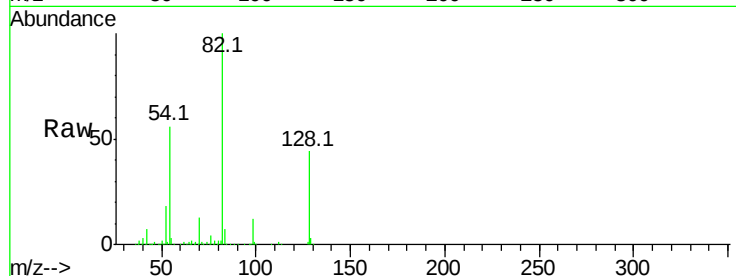
Ion Ratio Lower Upper

70 100

42 50.2 49.4 74.0

101 0.0 7.4 11.2#

130 2.0 14.2 21.4#

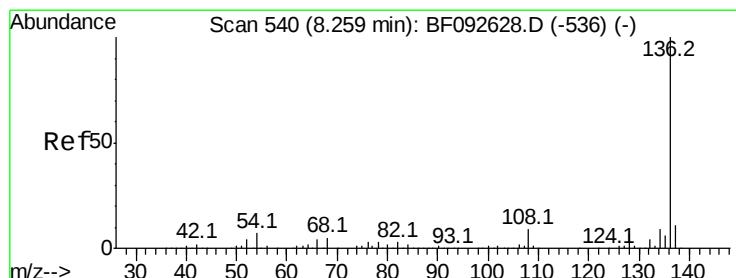
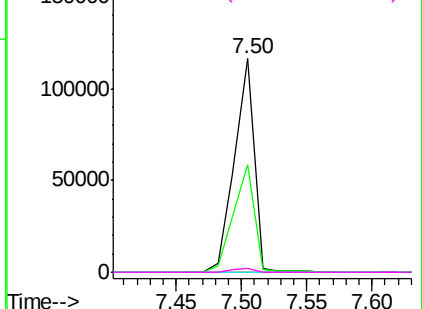
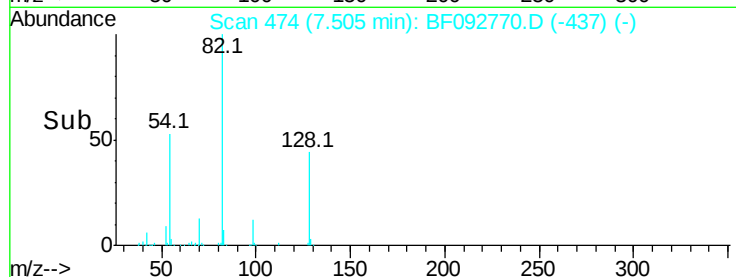


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.22 min Scan# 537

Delta R.T. -0.03 min

Lab File: BF092770.D

Acq: 3 Feb 2017 10:42

Tgt Ion:136 Resp: 614019

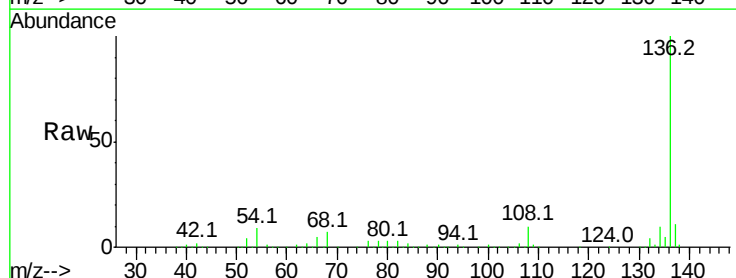
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 9.4 4.5 6.7#

68 6.6 3.6 5.4#

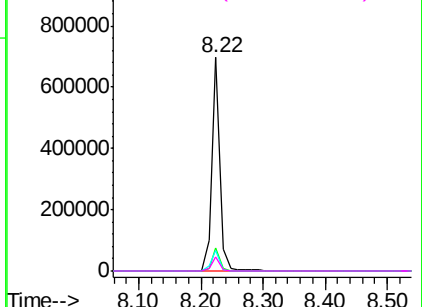
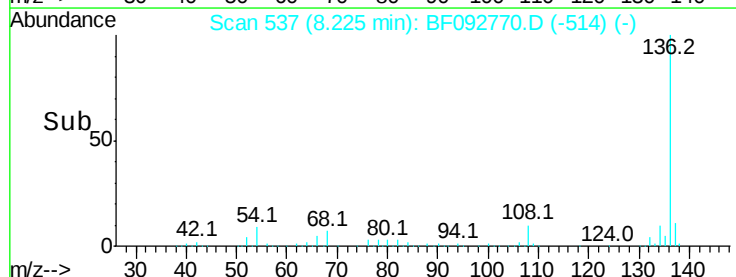


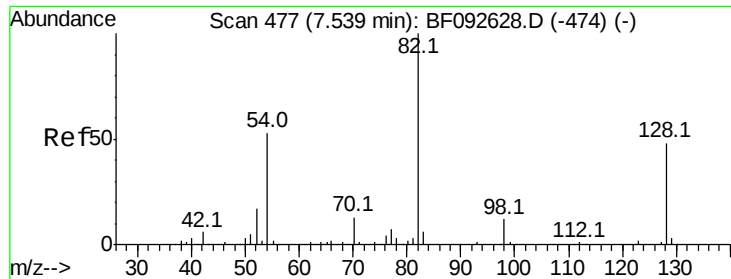
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

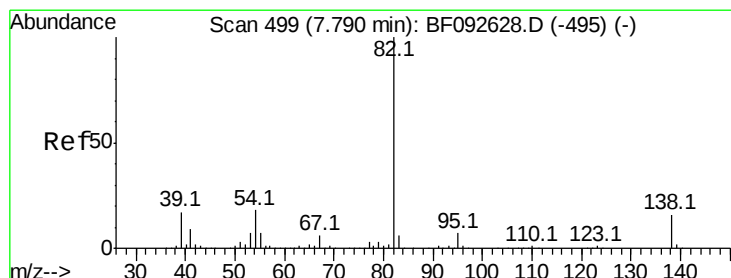
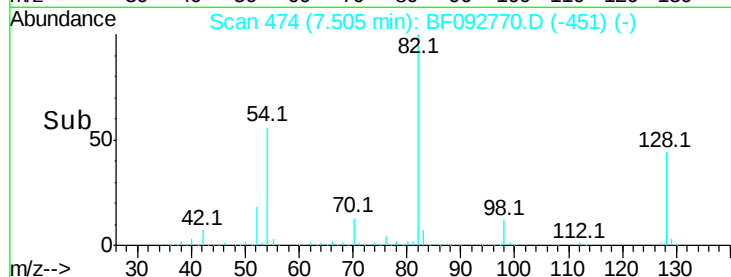
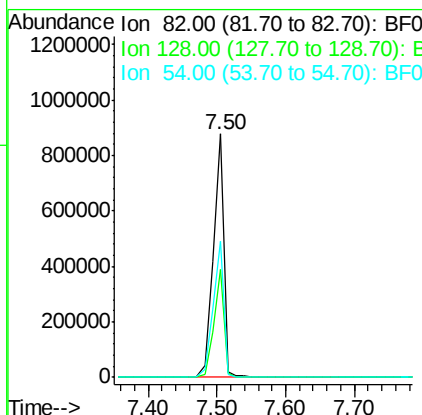
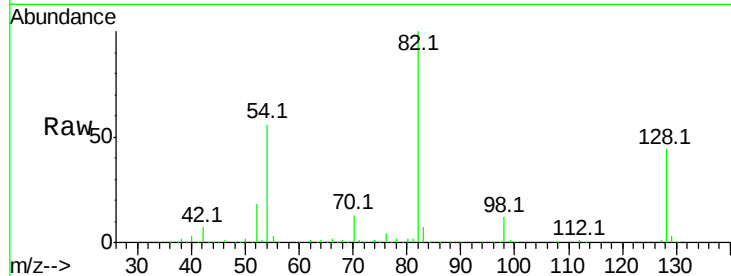




#23
 Nitrobenzene-d5
 Concen: 85.49 ng
 RT: 7.50 min Scan# 474
 Delta R.T. -0.03 min
 Lab File: BF092770.D
 Acq: 3 Feb 2017 10:42

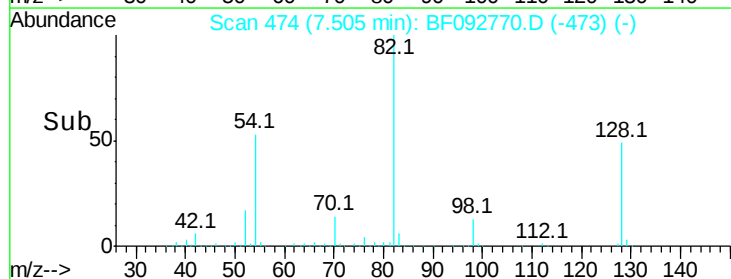
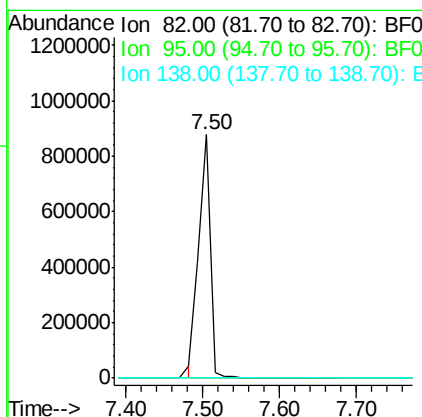
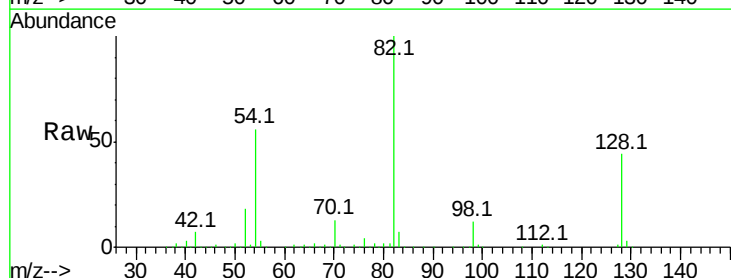
Instrument :
 BNA_F
 ClientSampled :

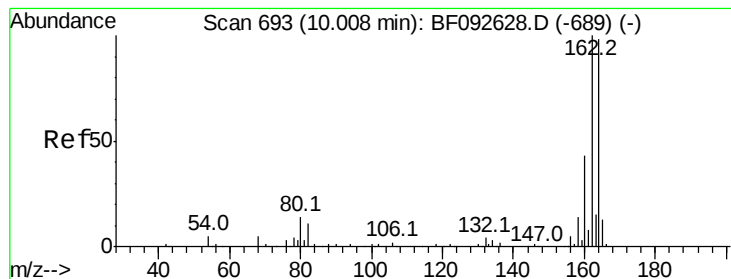
Tot Ion	82	Resp	942670
Ion Ratio	Lower	Upper	
82	100		
128	44.5	34.6	52.0
54	55.7	39.5	59.3



#25
 Isophorone
 Concen: 44.51 ng
 RT: 7.50 min Scan# 474
 Delta R.T. -0.29 min
 Lab File: BF092770.D
 Acq: 3 Feb 2017 10:42

Tgt Ion	82	Resp	914426
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: 9.98 min Scan# 691

Delta R.T. -0.02 min

Lab File: BF092770.D

Acq: 3 Feb 2017 10:42

Instrument :

BNA_F

ClientSampleId :

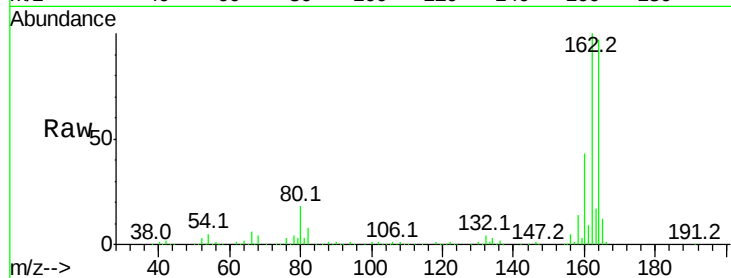
Tot Ion:164 Resp: 328228

Ion Ratio Lower Upper

164 100

162 103.0 80.2 120.2

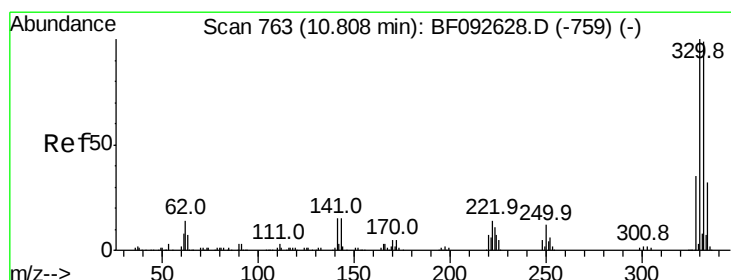
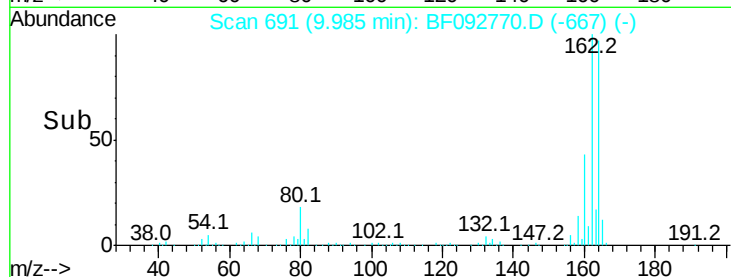
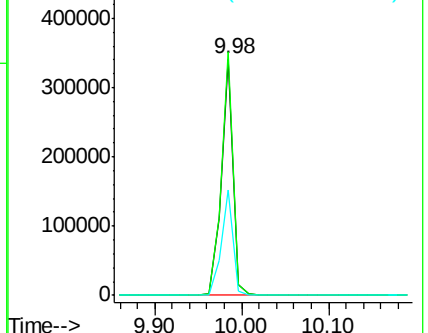
160 44.7 36.9 55.3



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: 115.05 ng

RT: 10.77 min Scan# 760

Delta R.T. -0.03 min

Lab File: BF092770.D

Acq: 3 Feb 2017 10:42

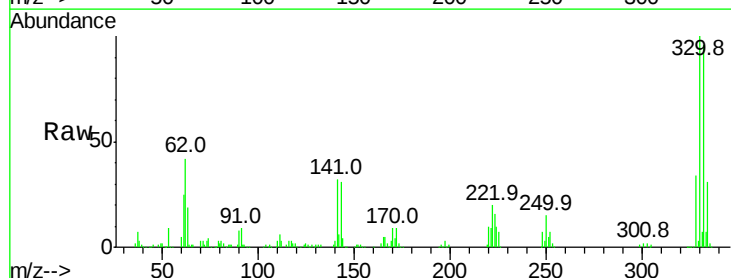
Tgt Ion:330 Resp: 273131

Ion Ratio Lower Upper

330 100

332 94.6 77.4 116.2

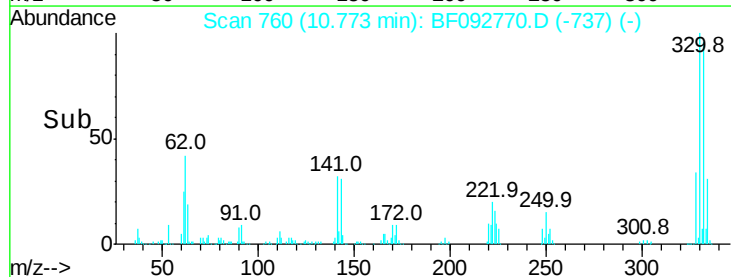
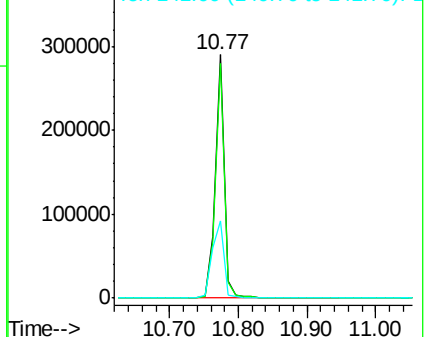
141 41.0 34.1 51.1

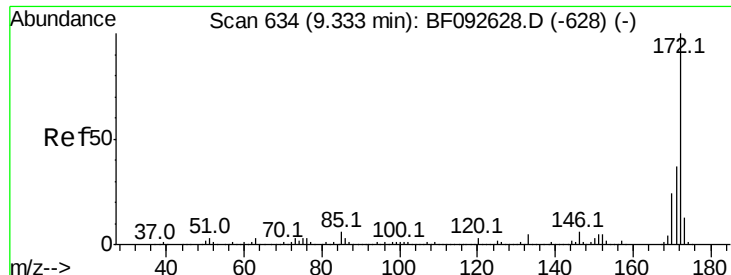


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



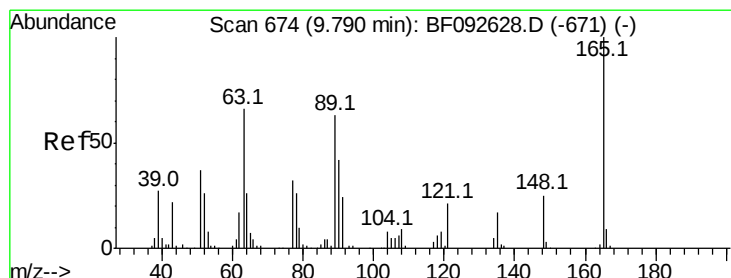
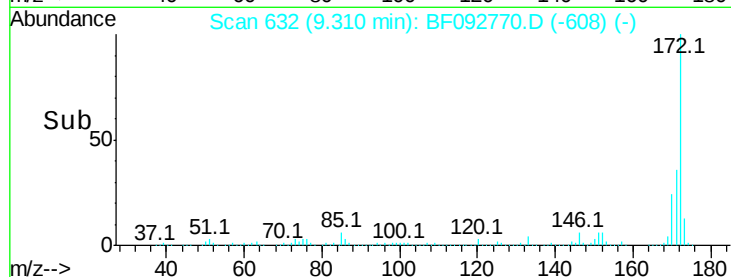
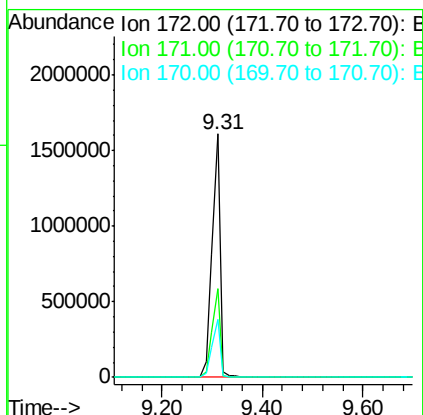
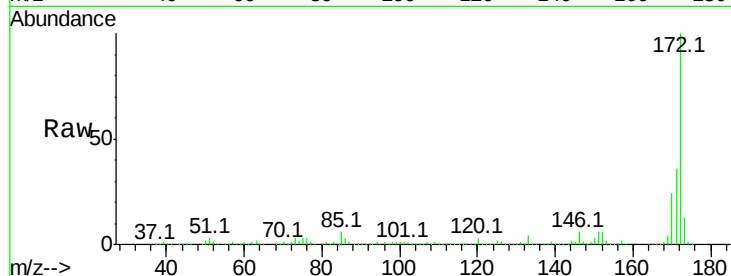


#44
 2-Fluorobiphenyl
 Concen: 98.71 ng
 RT: 9.31 min Scan# 632
 Delta R.T. -0.02 min
 Lab File: BF092770.D
 Acq: 3 Feb 2017 10:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1788359

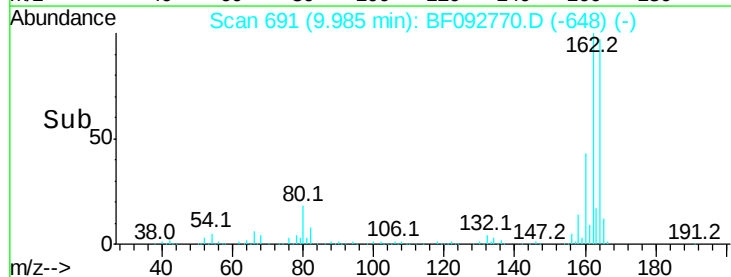
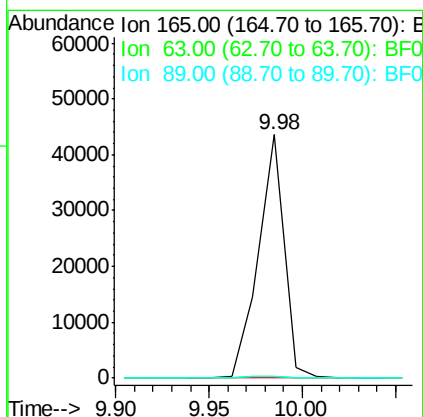
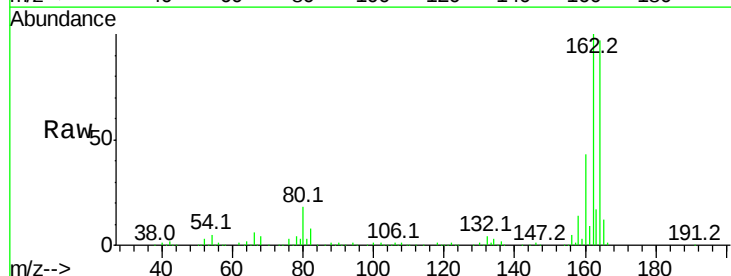
Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	24.1	20.2	30.4

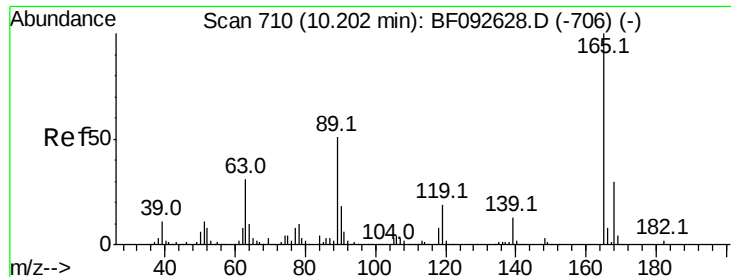


#50
 2,6-Dinitrotoluene
 Concen: 8.74 ng
 RT: 9.98 min Scan# 691
 Delta R.T. 0.19 min
 Lab File: BF092770.D
 Acq: 3 Feb 2017 10:42

Tgt Ion:165 Resp: 41710

Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.2	54.4#
89	0.8	40.2	60.4#

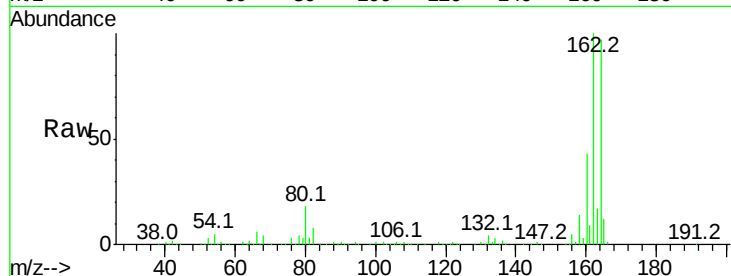




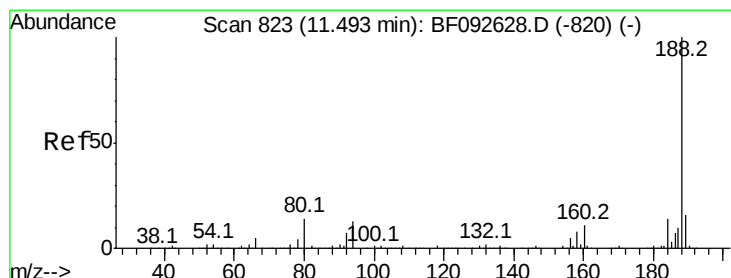
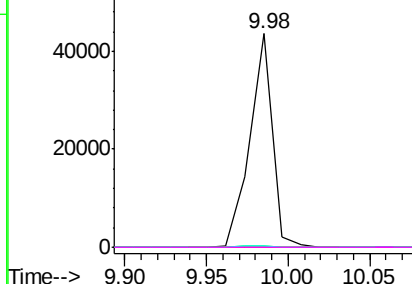
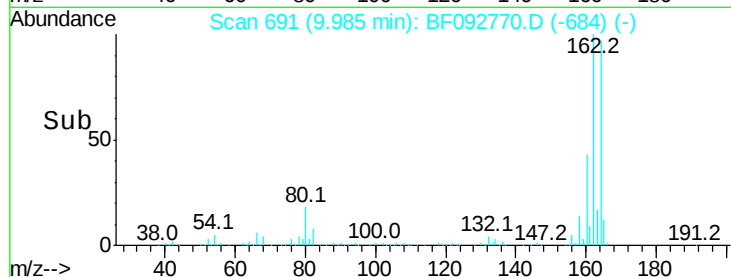
#56
 2,4-Dinitrotoluene
 Concen: 6.56 ng
 RT: 9.98 min Scan# 691
 Delta R.T. -0.22 min
 Lab File: BF092770.D
 Acq: 3 Feb 2017 10:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 41712
 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#

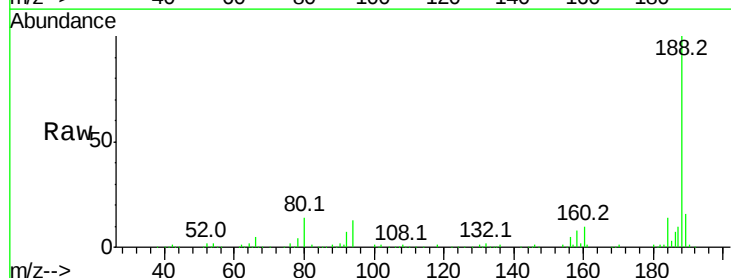


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

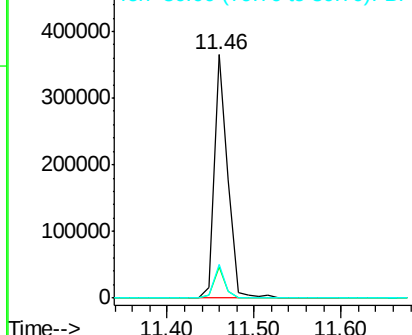
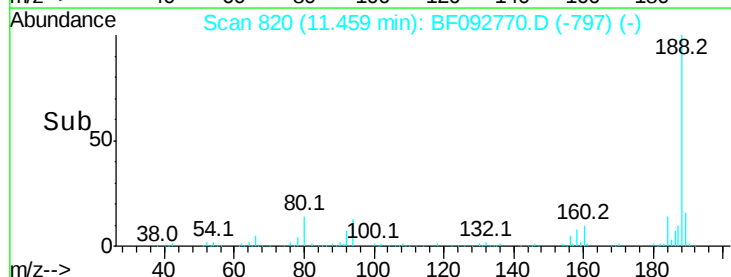


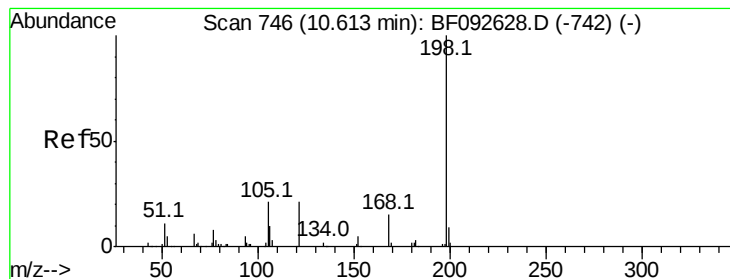
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.46 min Scan# 820
 Delta R.T. -0.03 min
 Lab File: BF092770.D
 Acq: 3 Feb 2017 10:42

Tgt Ion:188 Resp: 399440
 Ion Ratio Lower Upper
 188 100
 94 12.9 10.0 15.0
 80 13.9 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: 2.95 ng

RT: 10.77 min Scan# 760

Delta R.T. 0.16 min

Lab File: BF092770.D

Acq: 3 Feb 2017 10:42

Instrument :

BNA_F

ClientSampleId :

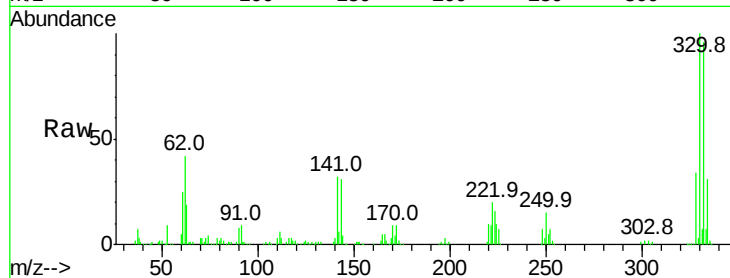
Tot Ion:198 Resp: 715

Ion Ratio Lower Upper

198 100

51 182.0 6.7 46.7#

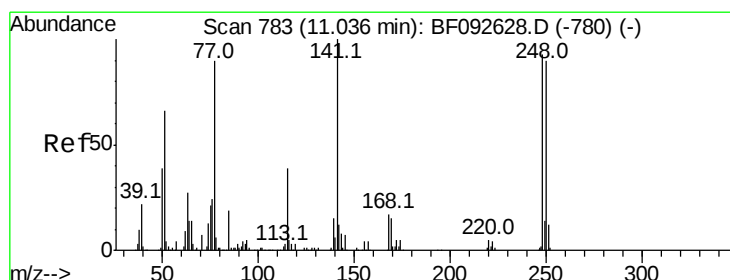
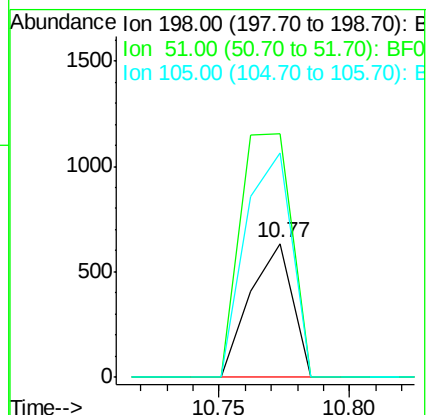
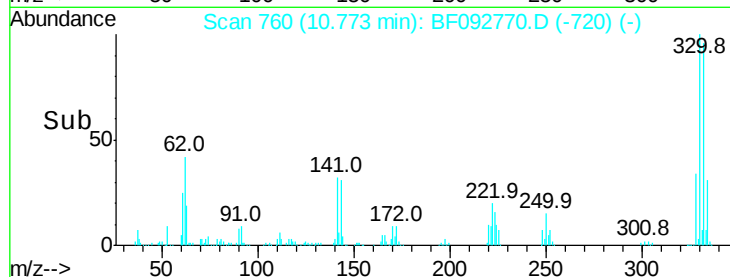
105 168.1 16.6 56.6#



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: 5.06 ng

RT: 10.77 min Scan# 760

Delta R.T. -0.26 min

Lab File: BF092770.D

Acq: 3 Feb 2017 10:42

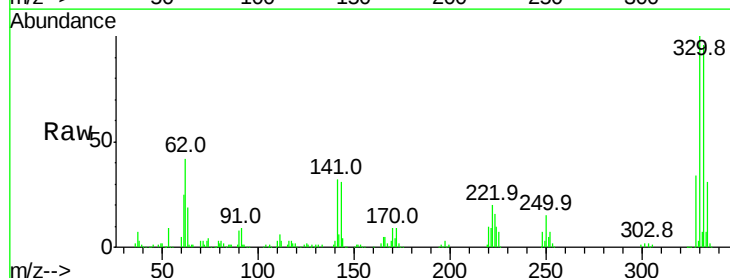
Tgt Ion:248 Resp: 21099

Ion Ratio Lower Upper

248 100

250 200.7 76.9 115.3#

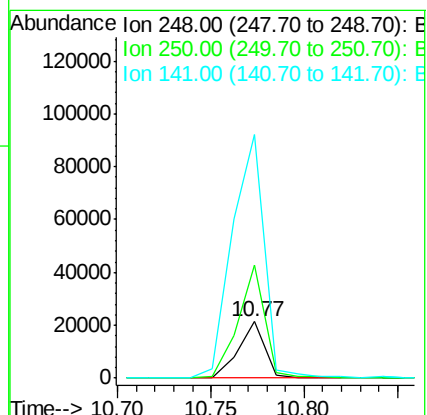
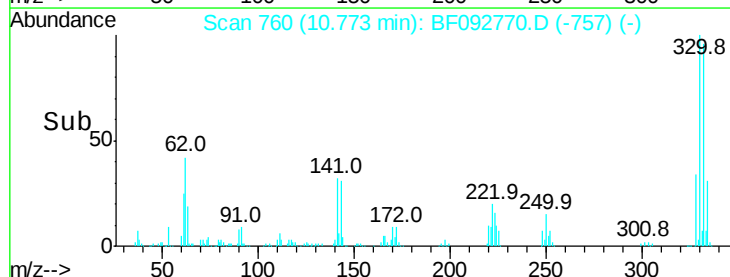
141 433.1 68.2 102.4#

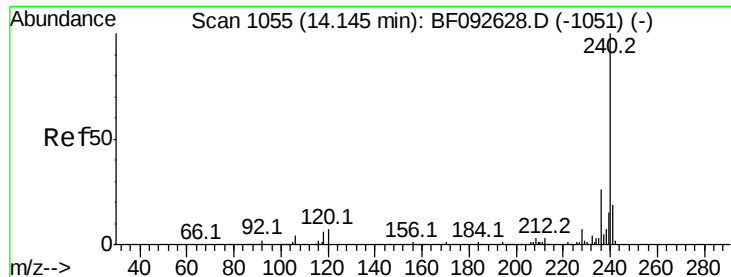


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.10 min Scan# 1051

Delta R.T. -0.05 min

Lab File: BF092770.D

Acq: 3 Feb 2017 10:42

Instrument :

BNA_F

ClientSampleId :

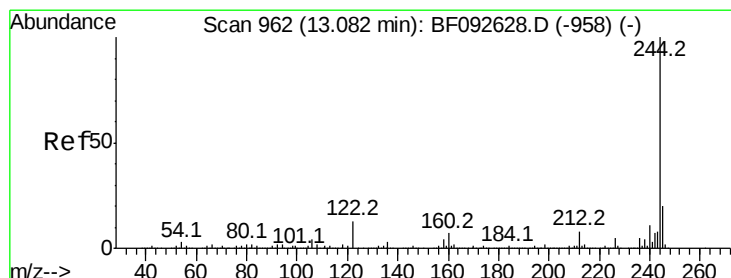
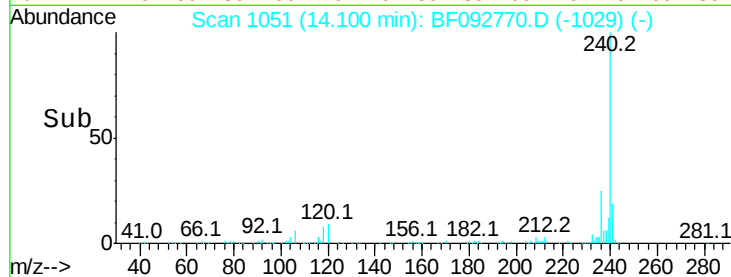
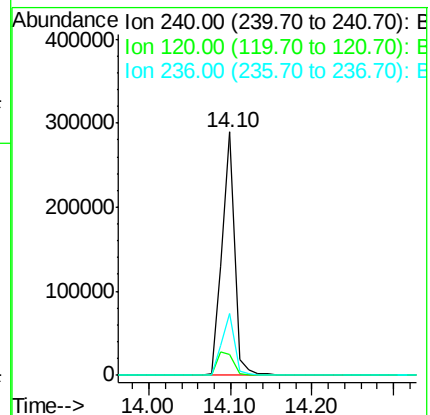
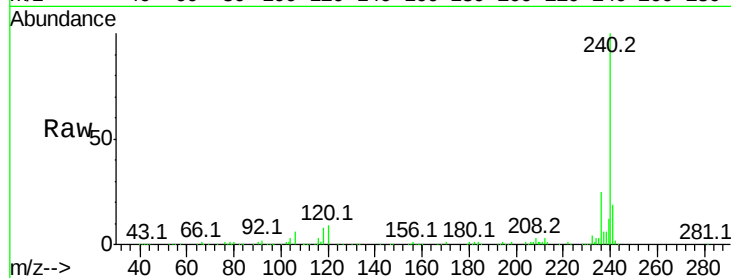
Tot Ion:240 Resp: 311126

Ion Ratio Lower Upper

240 100

120 8.5 12.9 19.3#

236 25.5 20.9 31.3



#78

Terphenyl-d14

Concen: 83.38 ng

RT: 13.05 min Scan# 959

Delta R.T. -0.03 min

Lab File: BF092770.D

Acq: 3 Feb 2017 10:42

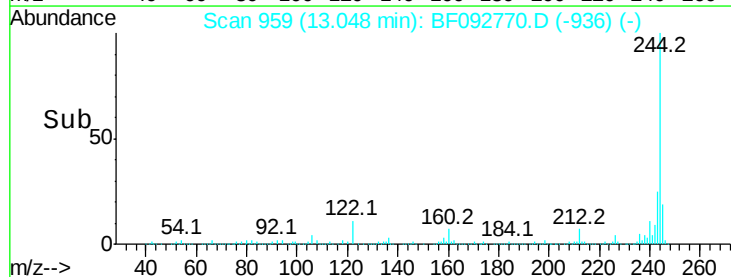
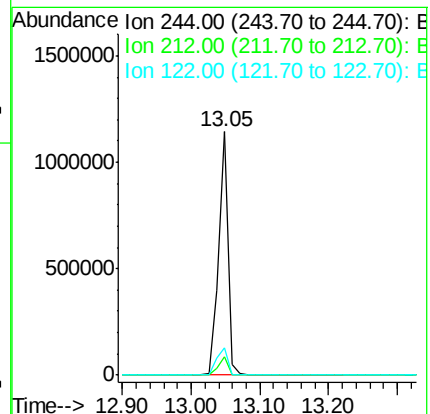
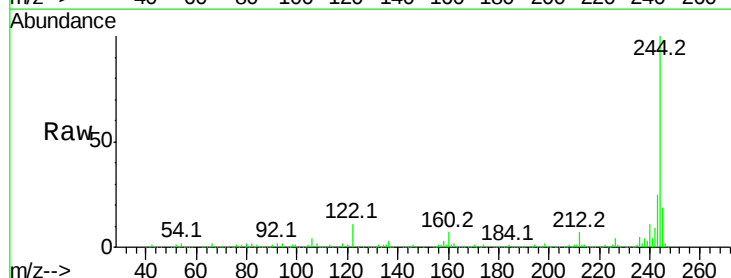
Tgt Ion:244 Resp: 1104013

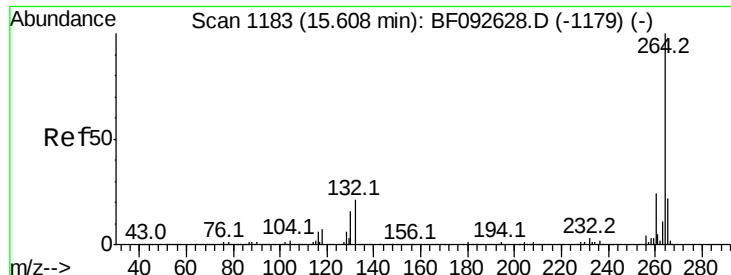
Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

122 11.2 11.4 17.2#

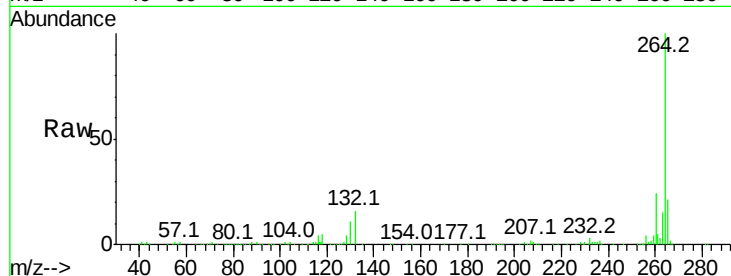




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF092770.D
Acq: 3 Feb 2017 10:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.3	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

