

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
 Data File : BF084027.D
 Acq On : 23 Dec 2015 9:23
 Operator : UM/SJ
 Sample : G4919-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 23 10:24:13 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 22 18:54:09 2015
 Response via : Initial Calibration

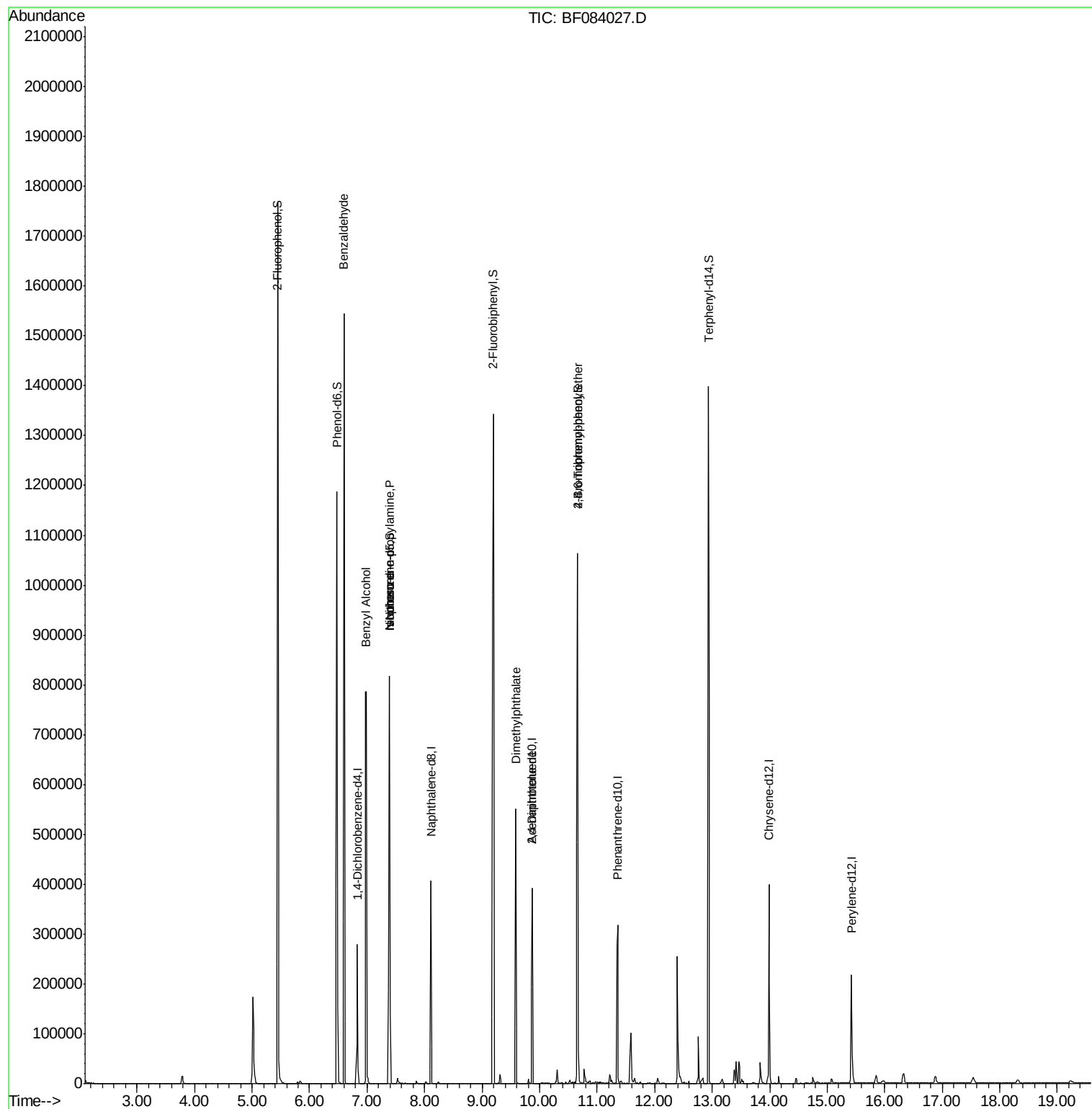
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	46254	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	181994	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	91564	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	170339	20.00	ng	0.00
75) Chrysene-d12	13.99	240	159974	20.00	ng	-0.01
86) Perylene-d12	15.43	264	129153	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	520114	191.73	ng	0.01
7) Phenol-d6	6.48	99	436311	136.79	ng	0.00
23) Nitrobenzene-d5	7.39	82	273762	92.41	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	138656	157.44	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	592970	87.16	ng	0.00
78) Terphenyl-d14	12.93	244	536105	79.92	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.60	77	9514	4.47	ng	89
15) Benzyl Alcohol	6.98	79	5340	2.13	ng	# 50
19) n-Nitroso-di-n-propylamine	7.39	70	38034	19.68	ng	# 76
25) Isophorone	7.39	82	229346	40.86	ng	# 66
49) Dimethylphthalate	9.58	163	229648	32.05	ng	# 90
56) 2,4-Dinitrotoluene	9.87	165	10886	5.73	ng	# 20
66) 4-Bromophenyl-phenylether	10.66	248	10311	5.28	ng	# 1

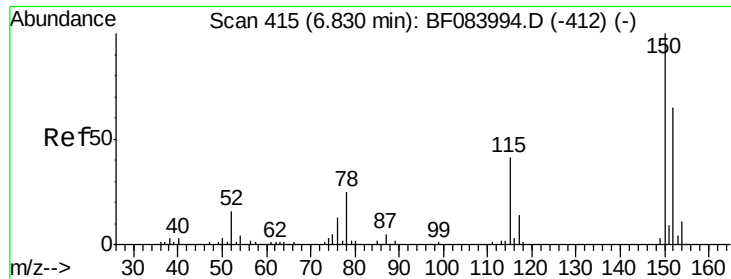
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



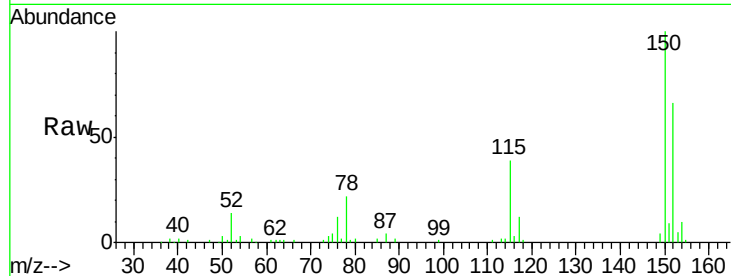


#1

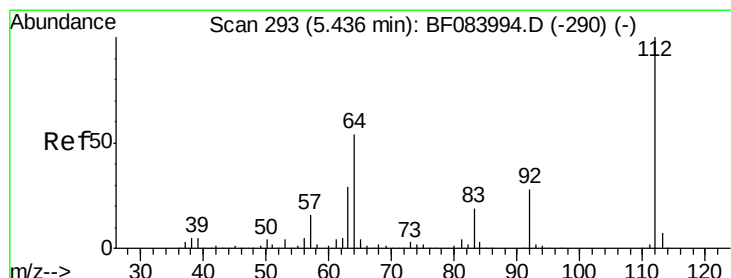
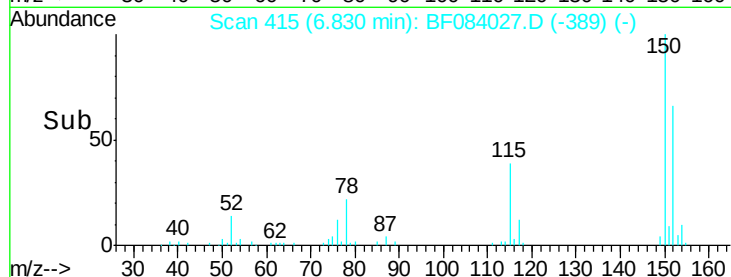
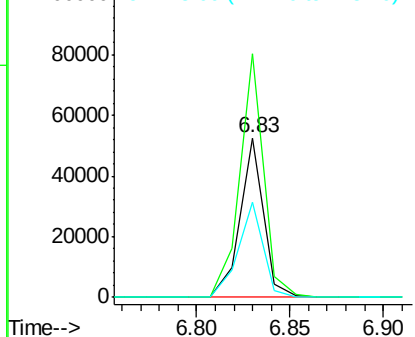
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.00 min
Lab File: BF084027.D
Acq: 23 Dec 2015 9:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 46254
Ion Ratio Lower Upper
152 100
150 152.6 123.0 184.4
115 59.5 51.4 77.2



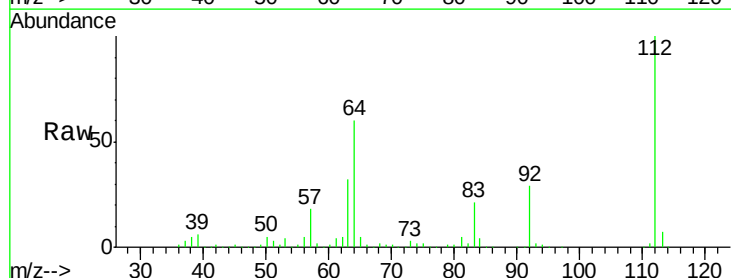
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



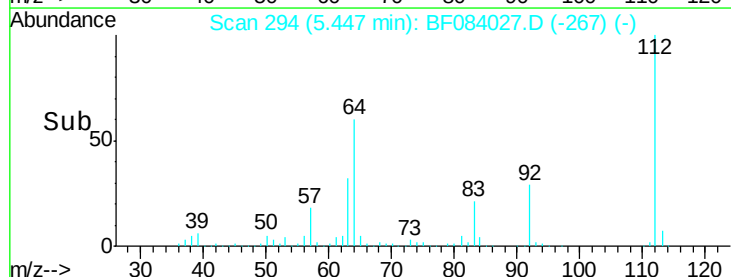
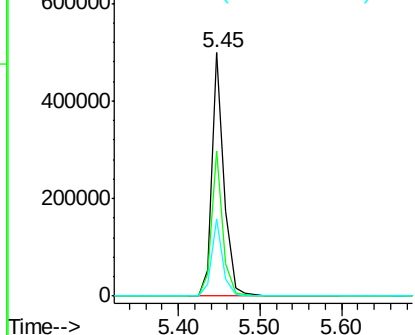
#5

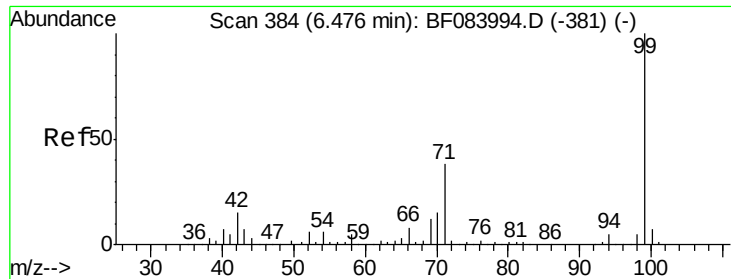
2-Fluorophenol
Concen: 191.73 ng
RT: 5.45 min Scan# 294
Delta R.T. 0.01 min
Lab File: BF084027.D
Acq: 23 Dec 2015 9:23

Tgt Ion:112 Resp: 520114
Ion Ratio Lower Upper
112 100
64 59.7 36.6 55.0#
63 31.6 19.4 29.0#



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: 136.79 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF084027.D

Acq: 23 Dec 2015 9:23

Instrument :

BNA_F

ClientSampled :

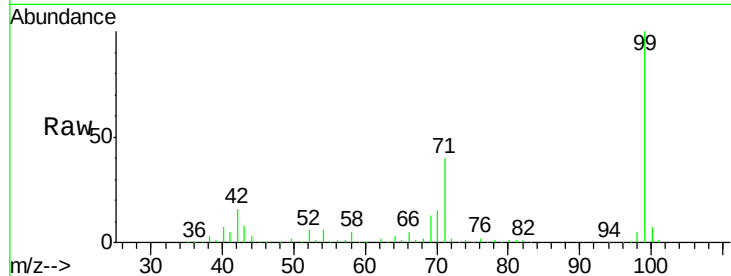
Tot Ion: 99 Resp: 436311

Ion Ratio Lower Upper

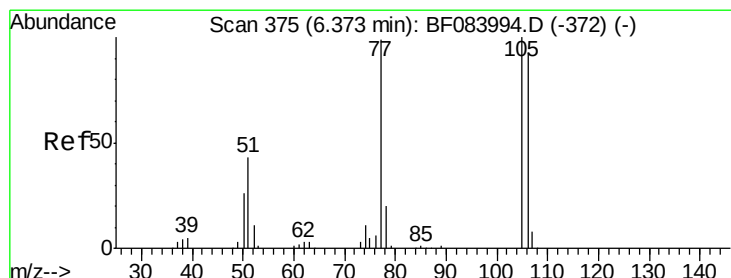
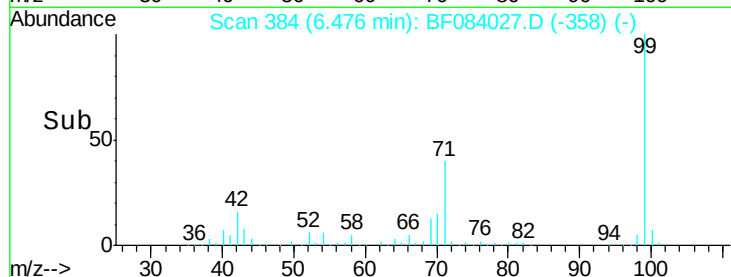
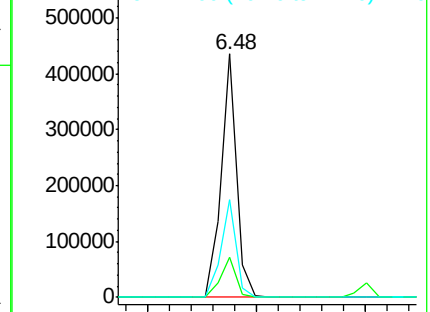
99 100

42 16.5 12.8 19.2

71 40.0 30.9 46.3



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: 4.47 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.23 min

Lab File: BF084027.D

Acq: 23 Dec 2015 9:23

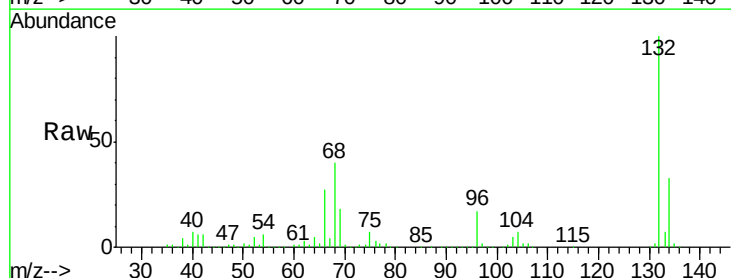
Tgt Ion: 77 Resp: 9514

Ion Ratio Lower Upper

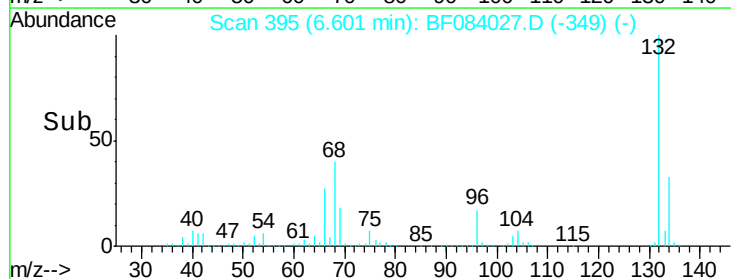
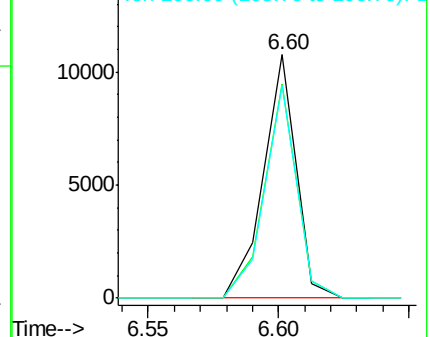
77 100

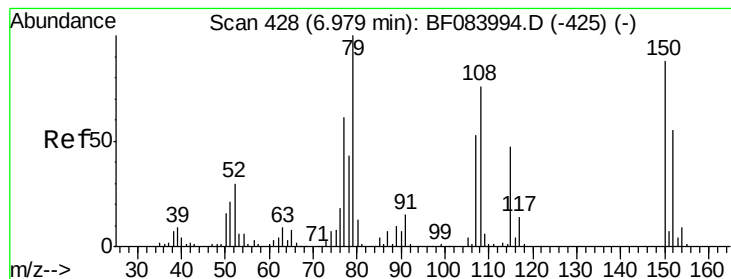
105 87.9 83.0 123.0

106 87.5 74.6 114.6



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





#15

Benzyl Alcohol

Concen: 2.13 ng

RT: 6.98 min Scan# 428

Delta R.T. -0.00 min

Lab File: BF084027.D

Acq: 23 Dec 2015 9:23

Instrument :

BNA_F

ClientSampleId :

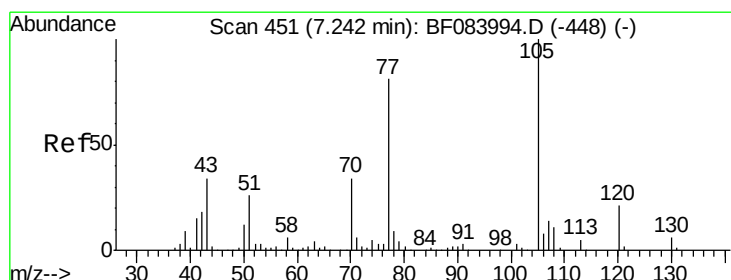
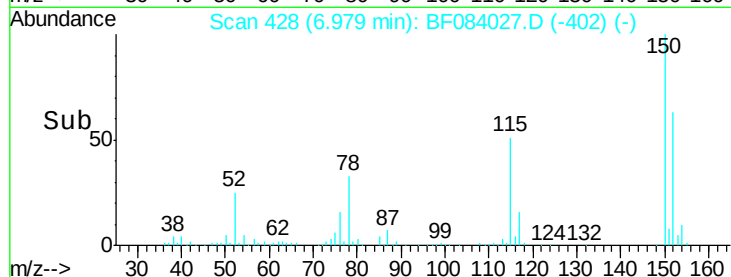
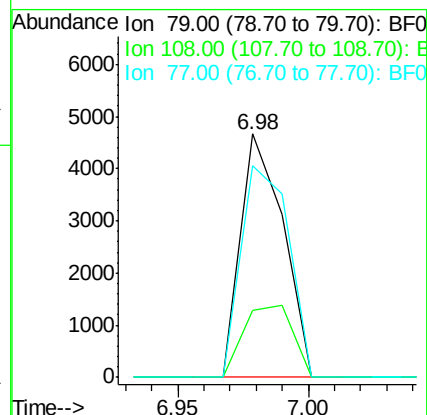
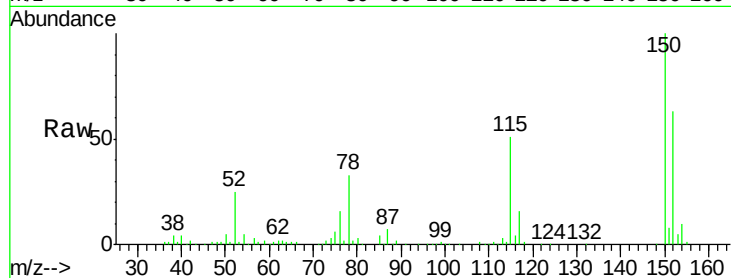
Tot Ion: 79 Resp: 5340

Ion Ratio Lower Upper

79 100

108 27.6 69.0 103.4#

77 87.1 50.0 75.0#



#19

n-Nitroso-di-n-propylamine

Concen: 19.68 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.15 min

Lab File: BF084027.D

Acq: 23 Dec 2015 9:23

Tgt Ion: 70 Resp: 38034

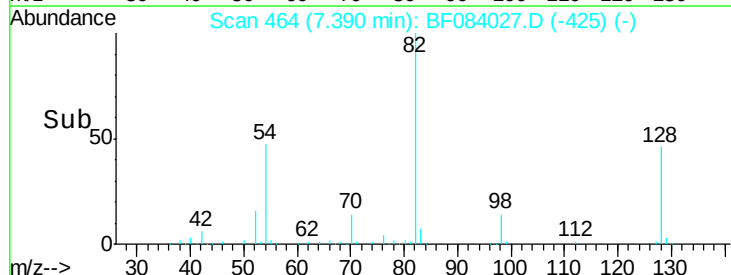
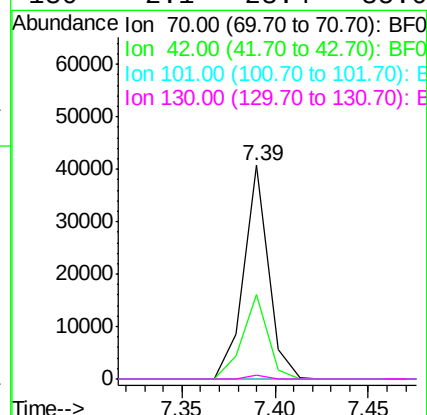
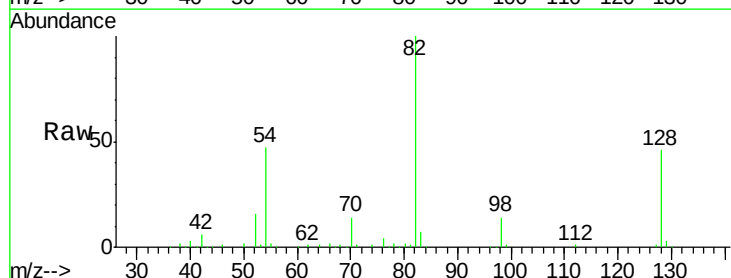
Ion Ratio Lower Upper

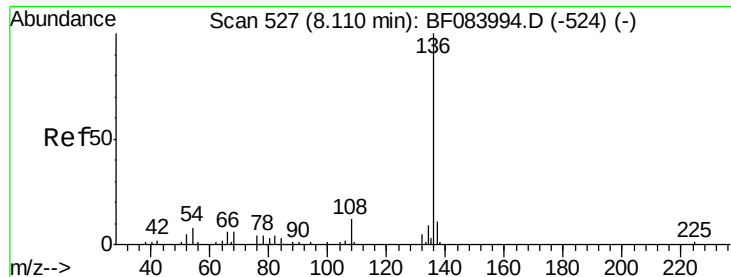
70 100

42 39.6 33.3 49.9

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#

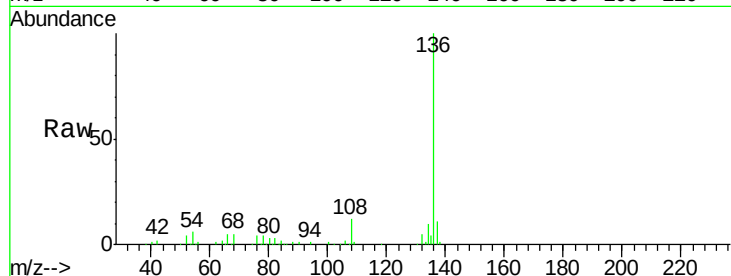




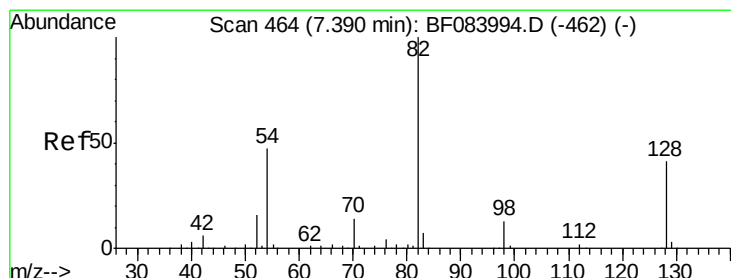
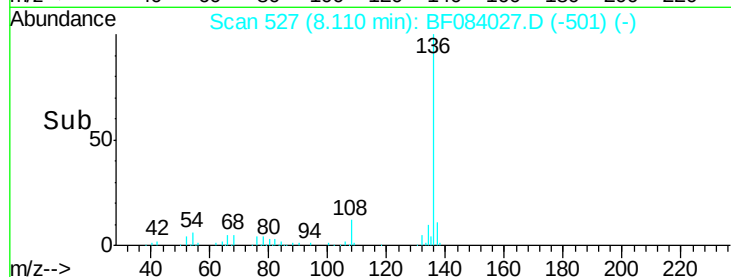
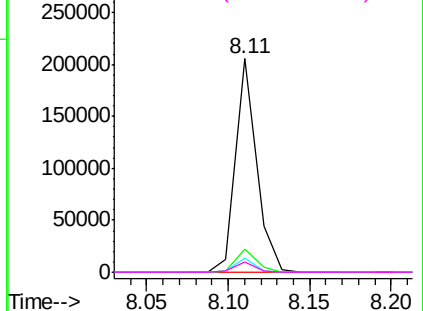
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF084027.D
Acq: 23 Dec 2015 9:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	181994
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.7 13.1
54	6.3	5.8 8.8
68	4.8	4.2 6.2

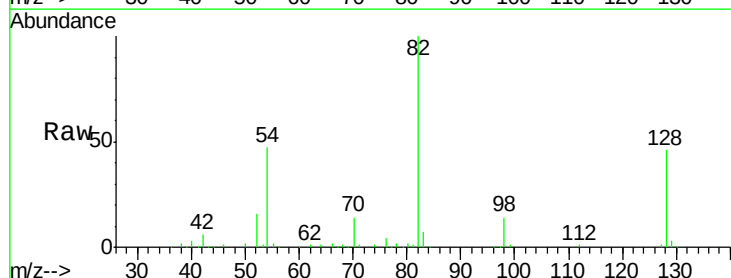


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

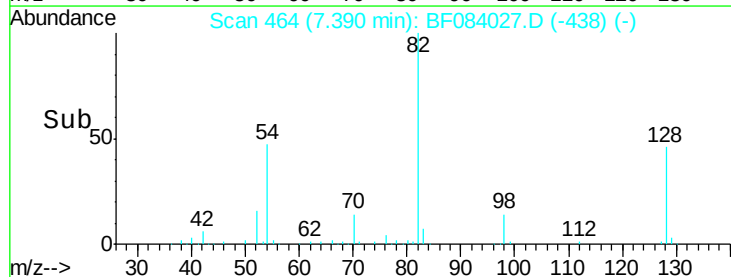
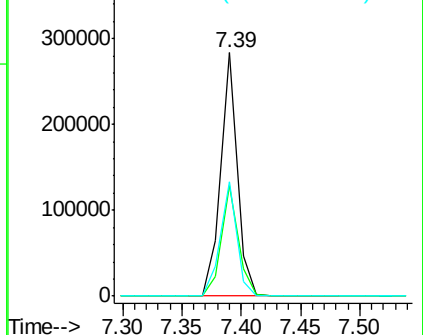


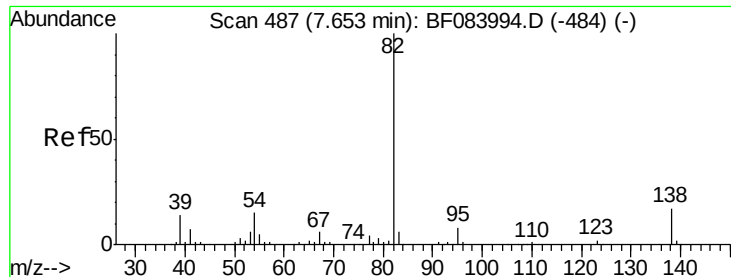
#23
Nitrobenzene-d5
Concen: 92.41 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.00 min
Lab File: BF084027.D
Acq: 23 Dec 2015 9:23

Tgt Ion: 82	Resp:	273762
Ion	Ratio	Lower Upper
82	100	
128	45.6	34.6 51.8
54	47.1	38.4 57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 40.86 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.26 min

Lab File: BF084027.D

Acq: 23 Dec 2015 9:23

Instrument :

BNA_F

ClientSampleId :

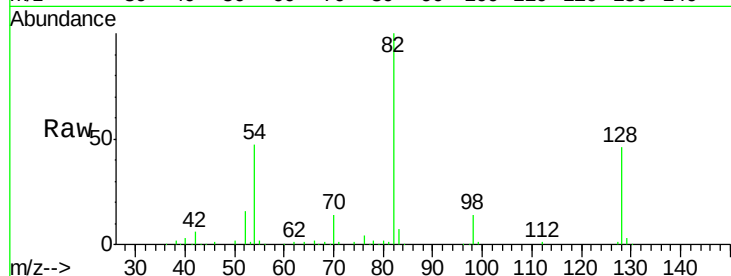
Tot Ion: 82 Resp: 229346

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

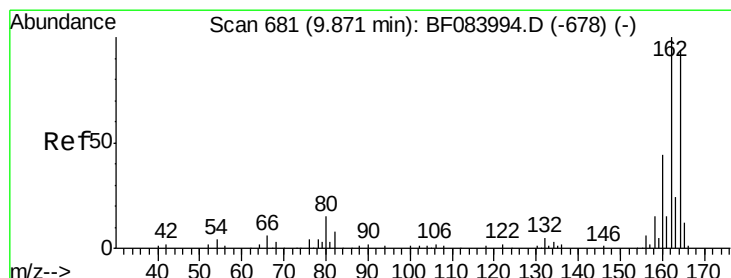
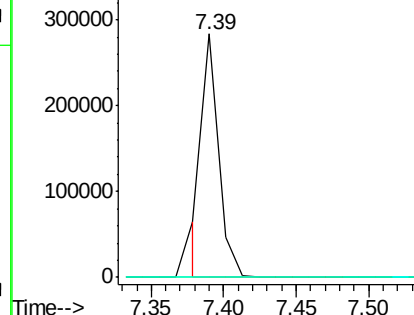
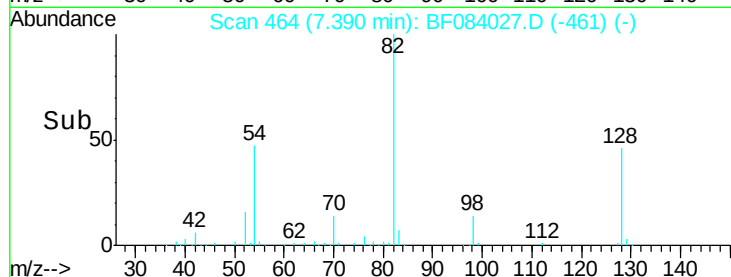
138 0.0 13.6 20.4#



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: 9.87 min Scan# 681

Delta R.T. -0.00 min

Lab File: BF084027.D

Acq: 23 Dec 2015 9:23

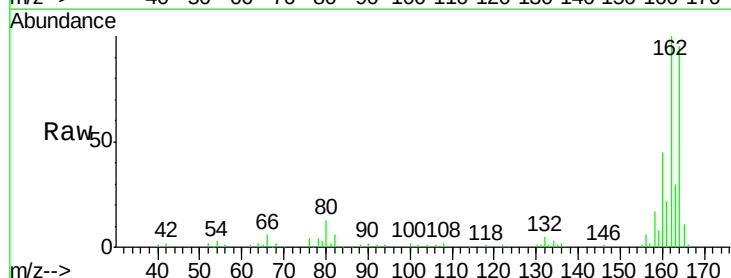
Tgt Ion: 164 Resp: 91564

Ion Ratio Lower Upper

164 100

162 104.8 85.1 127.7

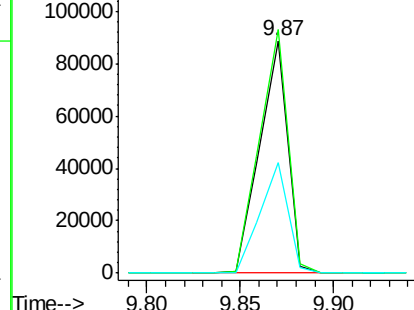
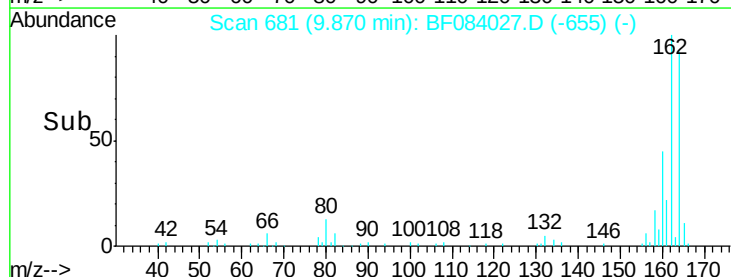
160 47.5 37.5 56.3

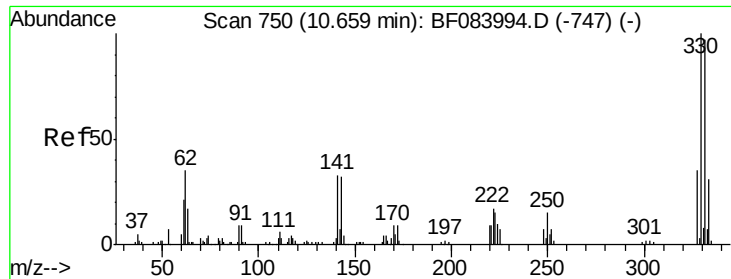


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

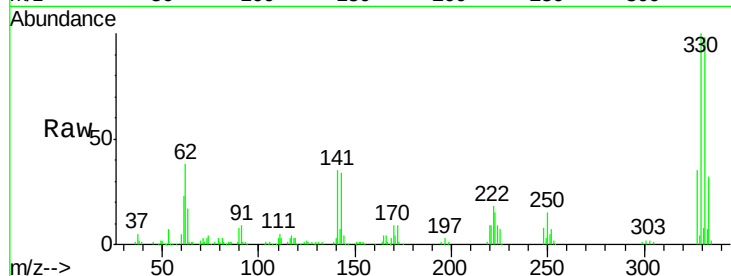




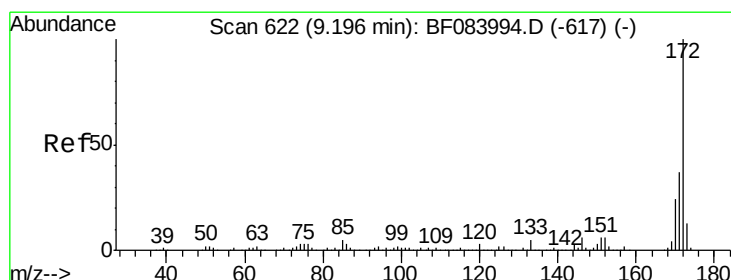
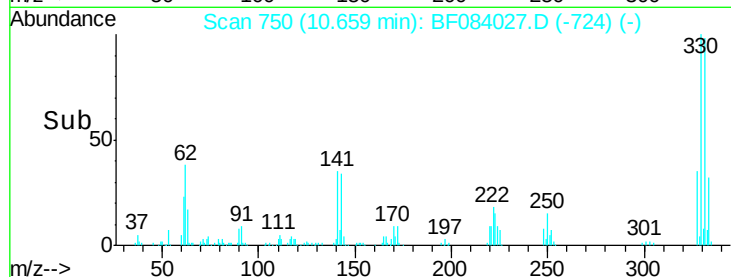
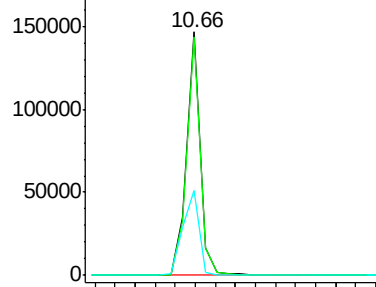
#41
 2,4,6-Tribromophenol
 Concen: 157.44 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF084027.D
 Acq: 23 Dec 2015 9:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	330	Resp	138656
Ion Ratio	100	Lower	Upper
330	100	76.6	114.8
332	97.5	27.8	41.6
141	41.1		

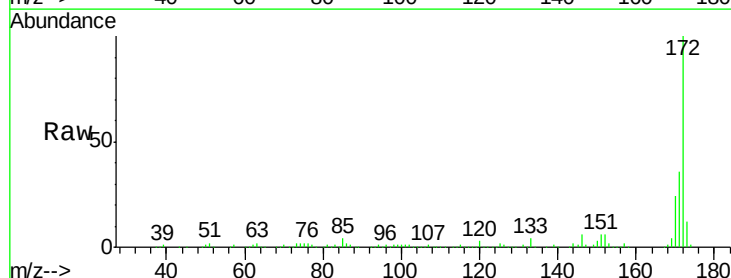


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

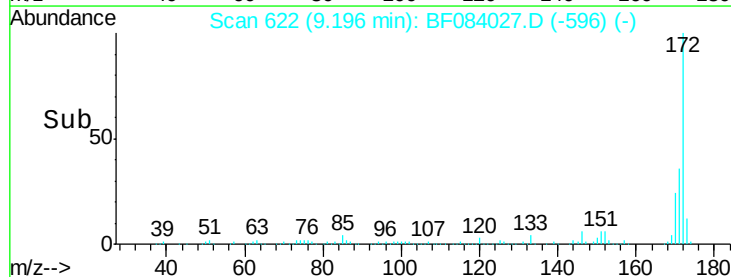
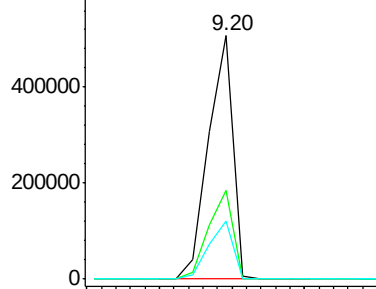


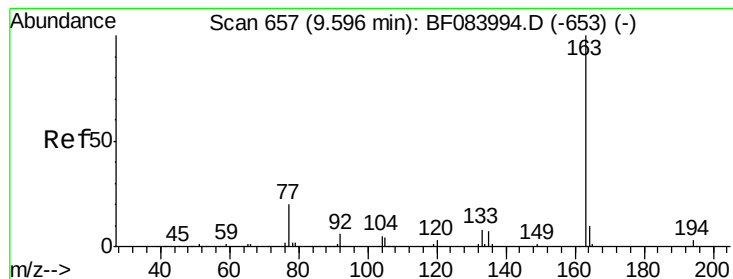
#44
 2-Fluorobiphenyl
 Concen: 87.16 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: BF084027.D
 Acq: 23 Dec 2015 9:23

Tgt Ion	172	Resp	592970
Ion Ratio	100	Lower	Upper
172	100	28.9	43.3
171	36.3	18.6	27.8
170	23.6		



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: 32.05 ng

RT: 9.58 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF084027.D

Acq: 23 Dec 2015 9:23

Instrument :

BNA_F

ClientSampleId :

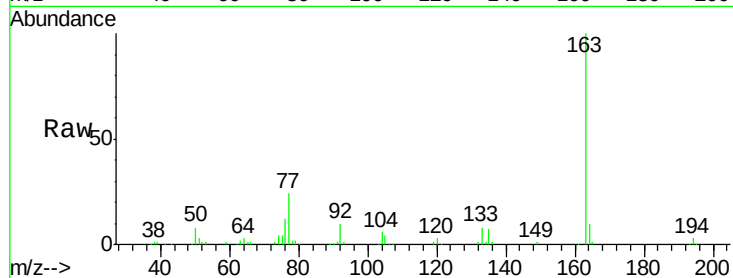
Tot Ion:163 Resp: 229648

Ion Ratio Lower Upper

163 100

194 3.1 8.0 12.0#

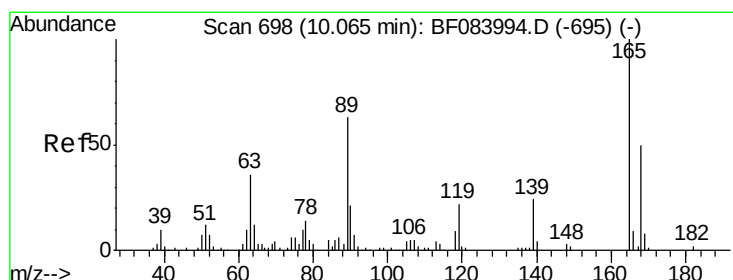
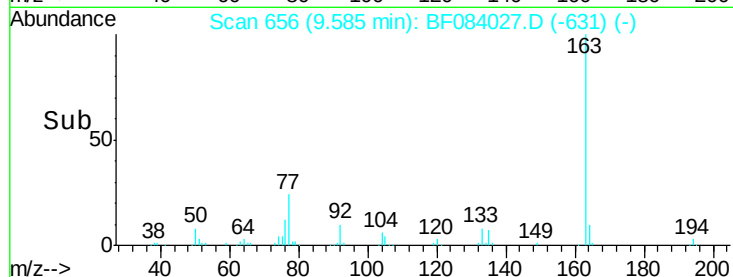
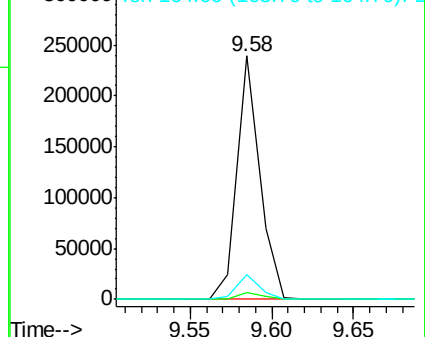
164 10.4 8.0 12.0



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: 5.73 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.19 min

Lab File: BF084027.D

Acq: 23 Dec 2015 9:23

Tgt Ion:165 Resp: 10886

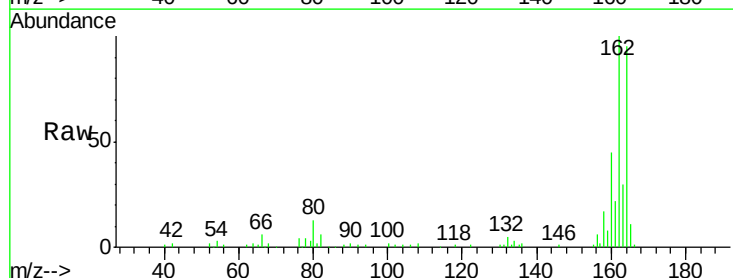
Ion Ratio Lower Upper

165 100

63 0.0 36.7 55.1#

89 0.0 61.9 92.9#

182 0.0 2.0 3.0#

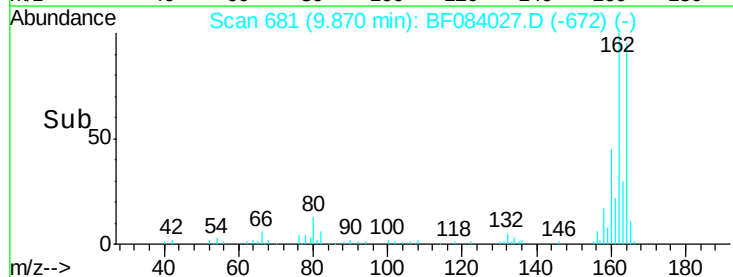
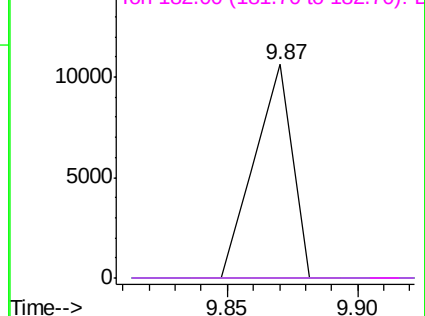


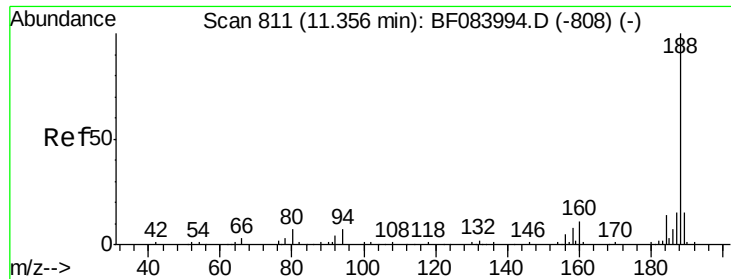
Abundance Ion 165.00 (164.70 to 165.70): E

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

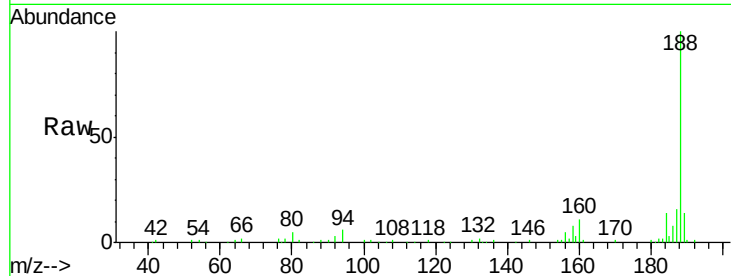




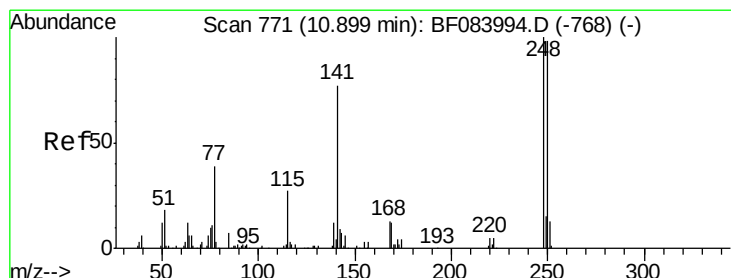
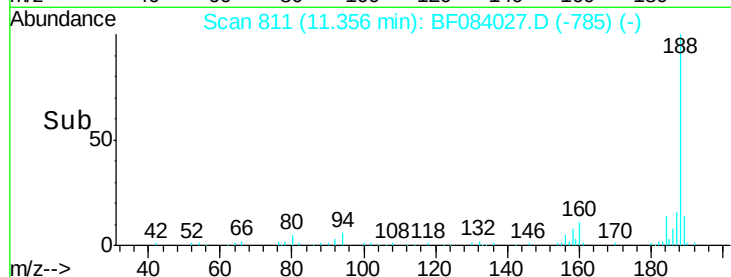
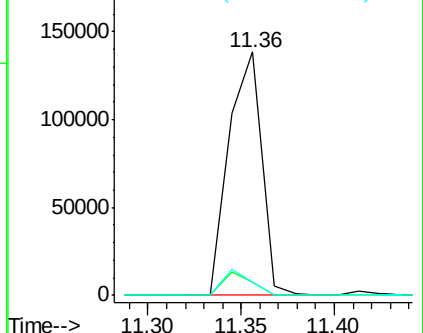
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: BF084027.D
 Acq: 23 Dec 2015 9:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 170339
 Ion Ratio Lower Upper
 188 100
 94 5.7 9.0 13.4#
 80 5.5 9.6 14.4#

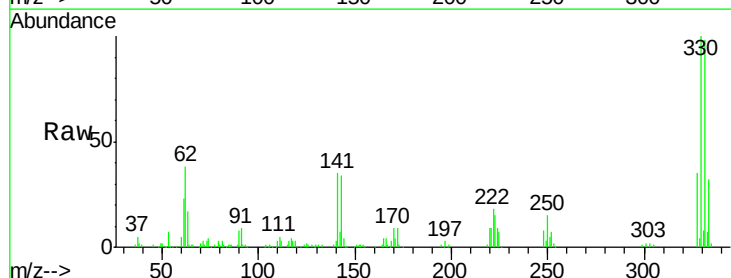


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

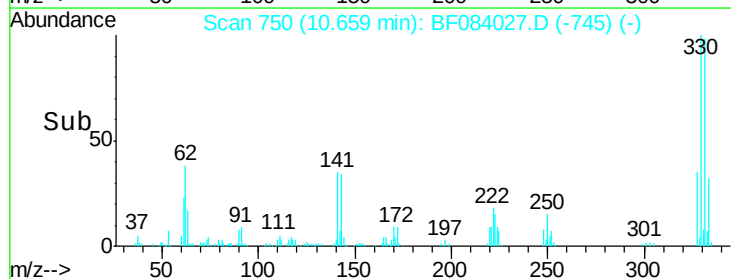
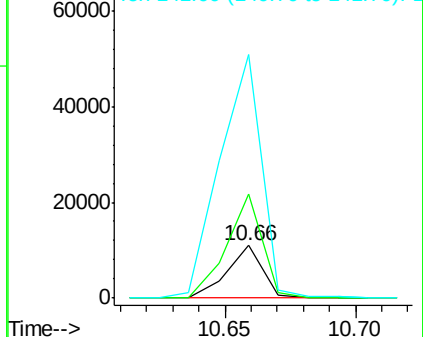


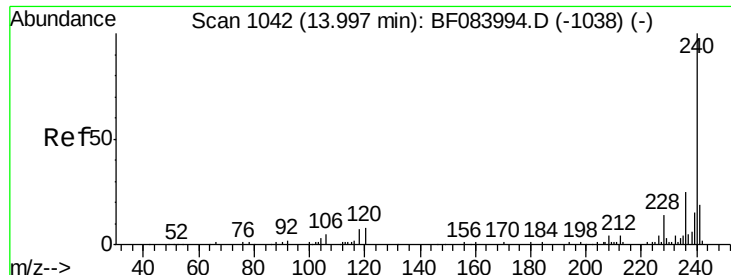
#66
 4-Bromophenyl-phenylether
 Concen: 5.28 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.24 min
 Lab File: BF084027.D
 Acq: 23 Dec 2015 9:23

Tgt Ion:248 Resp: 10311
 Ion Ratio Lower Upper
 248 100
 250 196.4 78.4 117.6#
 141 462.1 44.0 66.0#



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: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084027.D

Acq: 23 Dec 2015 9:23

Instrument :

BNA_F

ClientSampleId :

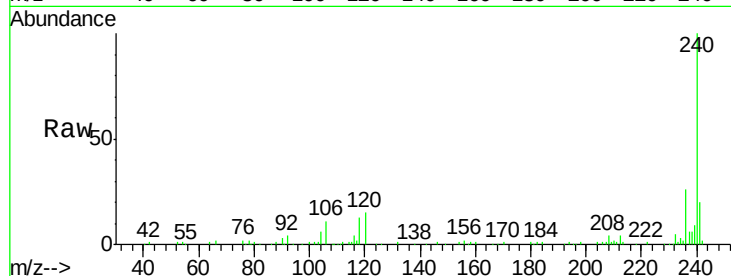
Tot Ion:240 Resp: 159974

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

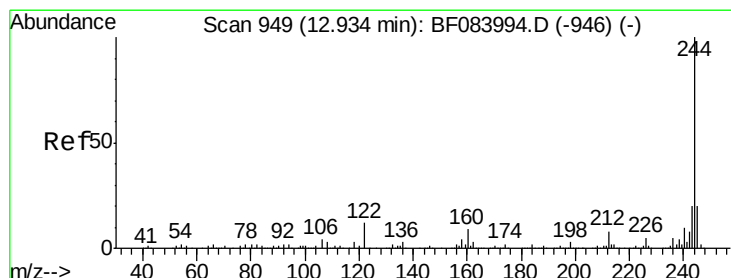
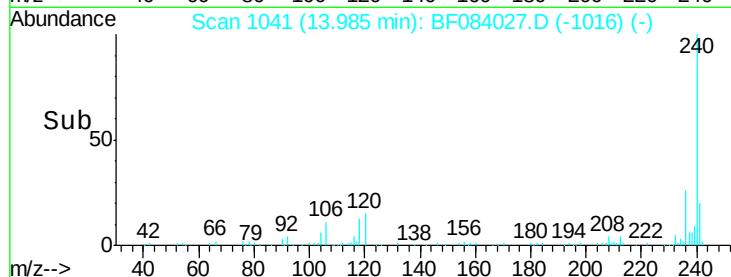
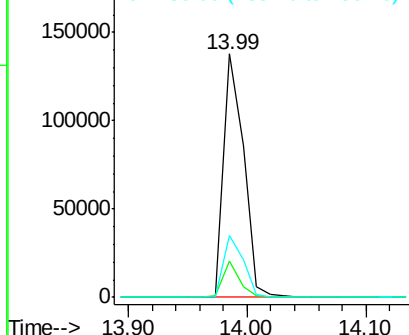
236 25.6 20.6 31.0



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: 79.92 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF084027.D

Acq: 23 Dec 2015 9:23

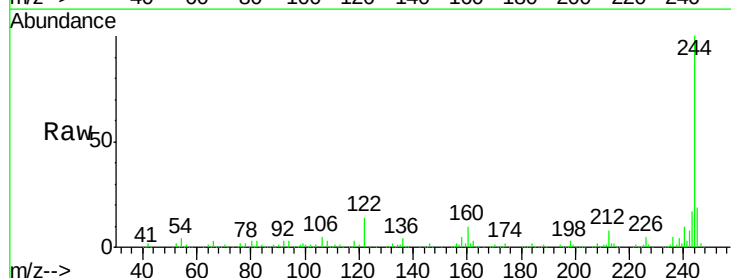
Tgt Ion:244 Resp: 536105

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

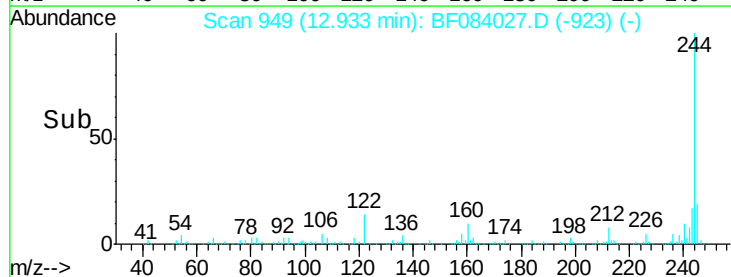
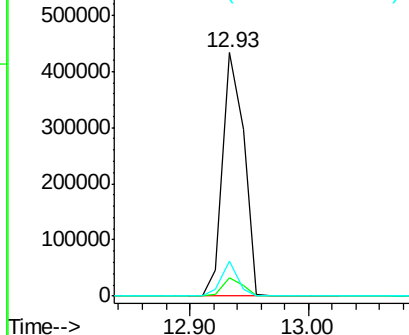
122 14.4 7.4 11.0#

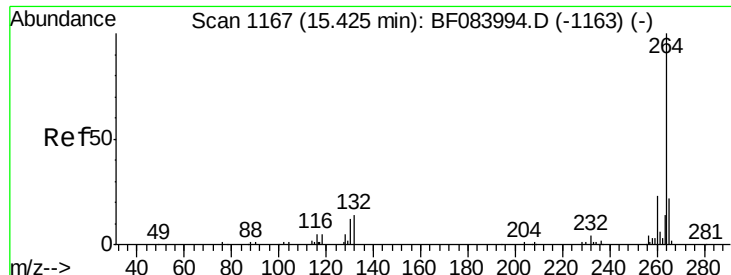


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

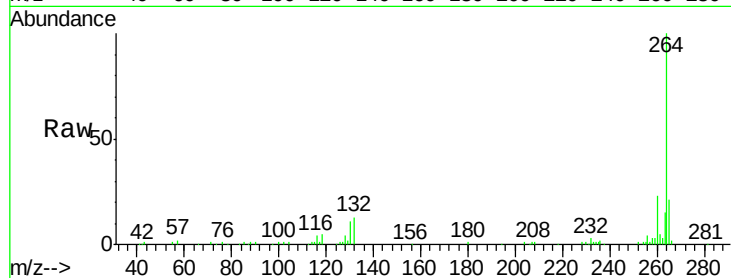




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.43 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: BF084027.D
 Acq: 23 Dec 2015 9:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.2
265	20.5	17.8	26.6



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

