

Data Path : Z:\HPCHEM1\BNA F\Data\BF122215\
 Data File : BF084021.D
 Acq On : 23 Dec 2015 6:36
 Operator : UM/SJ
 Sample : G4920-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-CLAY-008

Quant Time: Dec 23 07:09:56 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

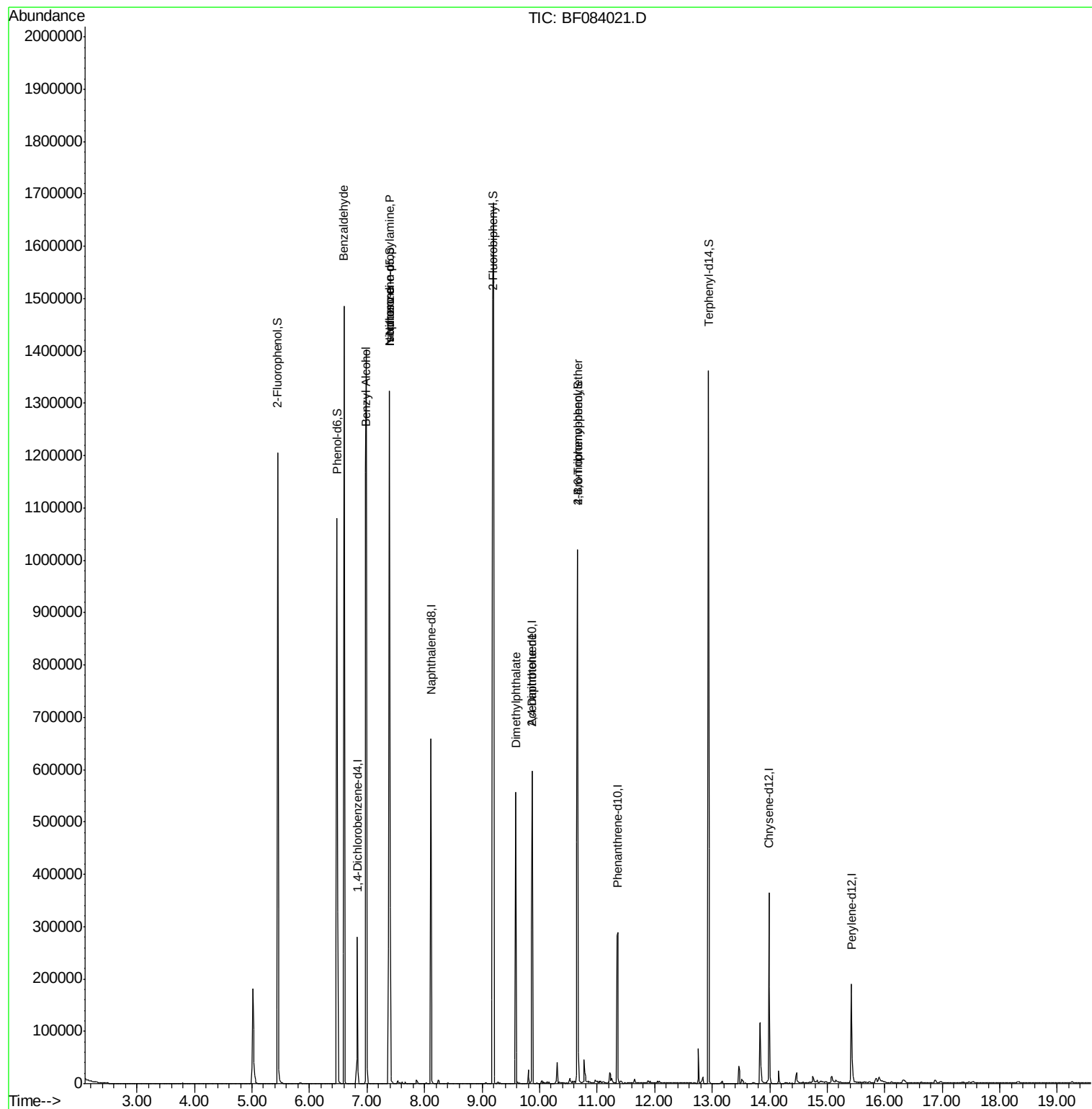
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	44122	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	299000	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	137947	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	160113	20.00	ng	0.00
75) Chrysene-d12	13.99	240	145970	20.00	ng	-0.01
86) Perylene-d12	15.43	264	109181	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	352378	136.17	ng	0.01
7) Phenol-d6	6.48	99	430260	141.41	ng	0.00
23) Nitrobenzene-d5	7.39	82	467525	96.06	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	133044	100.27	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	803153	78.36	ng	0.00
78) Terphenyl-d14	12.93	244	450296	73.57	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.60	77	9328	4.59	ng	86
15) Benzyl Alcohol	6.98	79	8466	3.53	ng	# 45
19) n-Nitroso-di-n-propylamine	7.39	70	62224	33.75	ng	# 77
25) Isophorone	7.39	82	405253	43.94	ng	# 66
49) Dimethylphthalate	9.58	163	210738	19.52	ng	# 91
56) 2,4-Dinitrotoluene	9.87	165	17011	5.94	ng	# 20
66) 4-Bromophenyl-phenylether	10.66	248	9801	5.34	ng	# 1

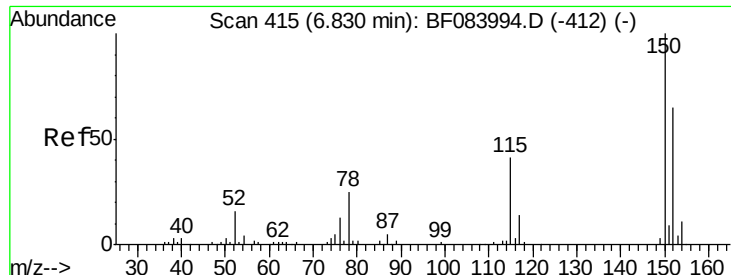
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 22 18:54:09 2015
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: BF084021.D

Acq: 23 Dec 2015 6:36

Instrument :

BNA_F

ClientSampleId :

IM-CLAY-008

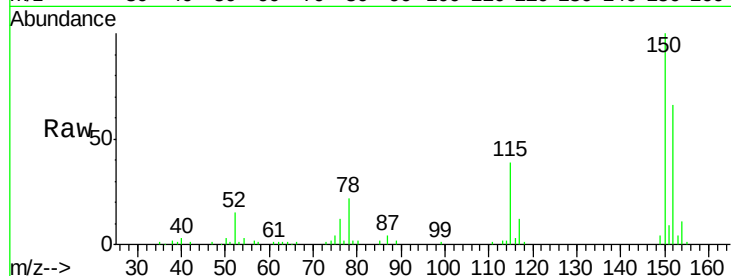
Tot Ion:152 Resp: 44122

Ion Ratio Lower Upper

152 100

150 152.2 123.0 184.4

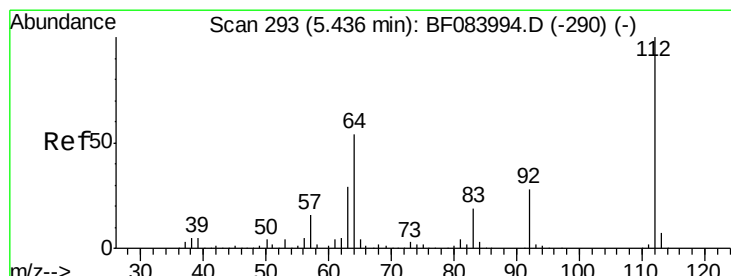
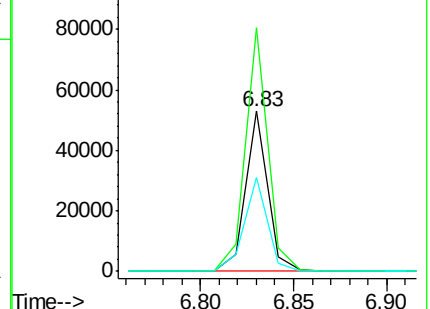
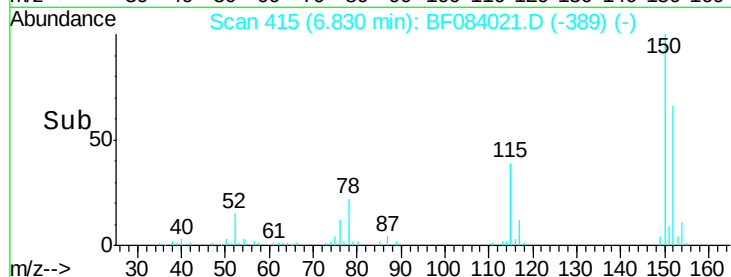
115 58.7 51.4 77.2



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: 136.17 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF084021.D

Acq: 23 Dec 2015 6:36

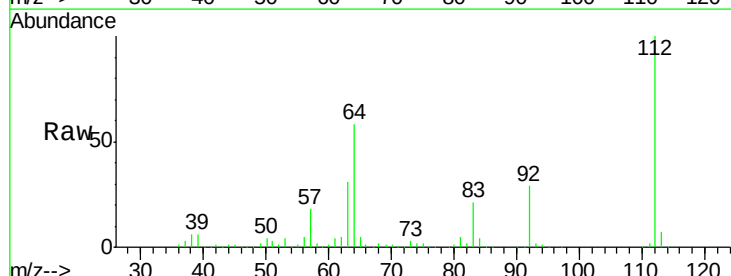
Tgt Ion:112 Resp: 352378

Ion Ratio Lower Upper

112 100

64 57.8 36.6 55.0#

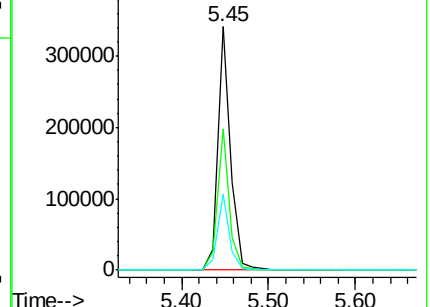
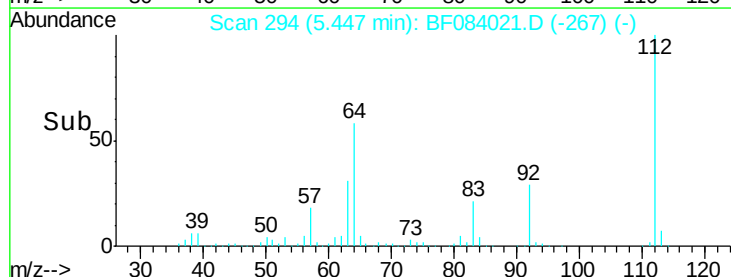
63 31.4 19.4 29.0#

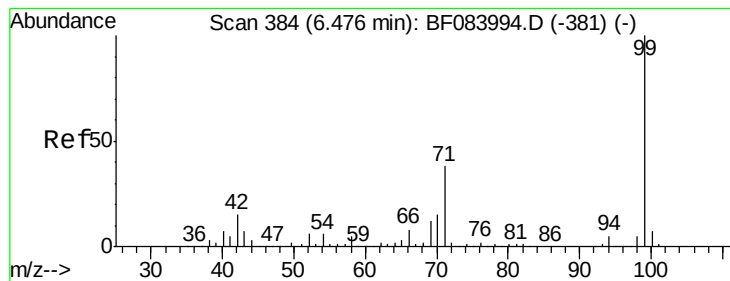


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 141.41 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF084021.D

Acq: 23 Dec 2015 6:36

Instrument :

BNA_F

ClientSampleId :

IM-CLAY-008

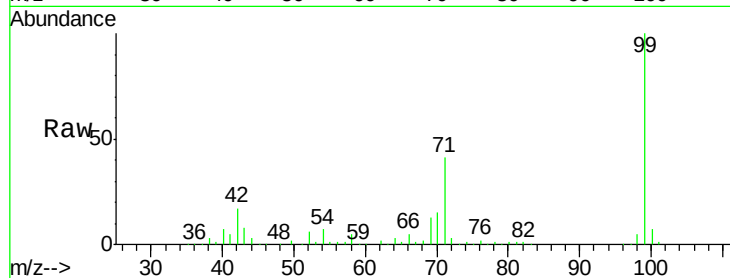
Tot Ion: 99 Resp: 430260

Ion Ratio Lower Upper

99 100

42 16.9 12.8 19.2

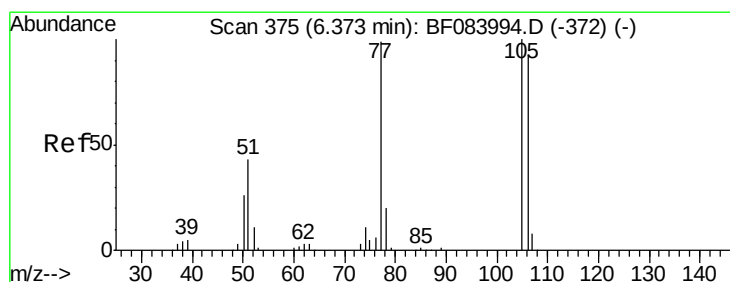
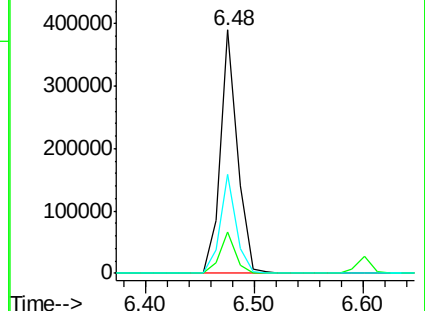
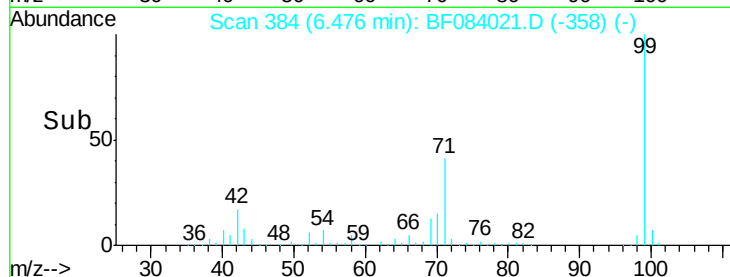
71 40.7 30.9 46.3



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: 4.59 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.23 min

Lab File: BF084021.D

Acq: 23 Dec 2015 6:36

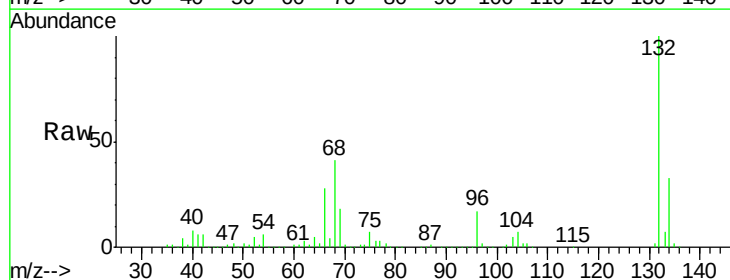
Tgt Ion: 77 Resp: 9328

Ion Ratio Lower Upper

77 100

105 87.0 83.0 123.0

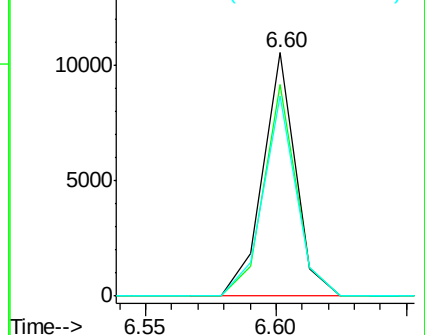
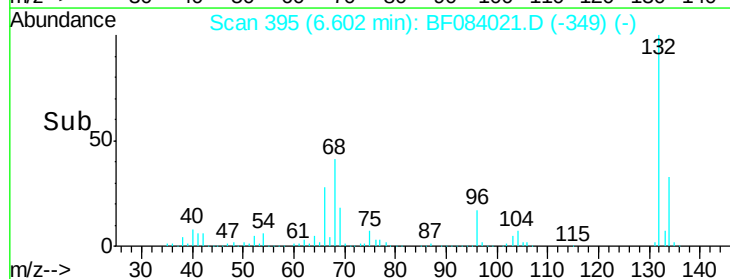
106 82.2 74.6 114.6

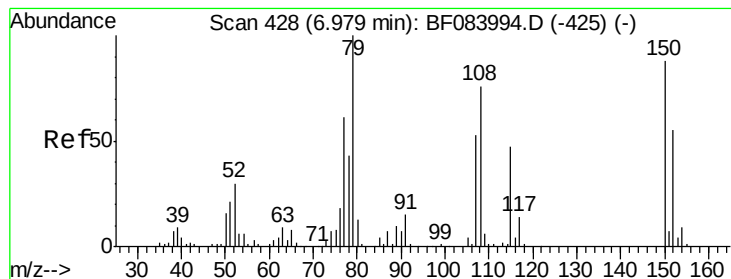


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 3.53 ng

RT: 6.98 min Scan# 428

Delta R.T. -0.00 min

Lab File: BF084021.D

Acq: 23 Dec 2015 6:36

Instrument :

BNA_F

ClientSampleId :

IM-CLAY-008

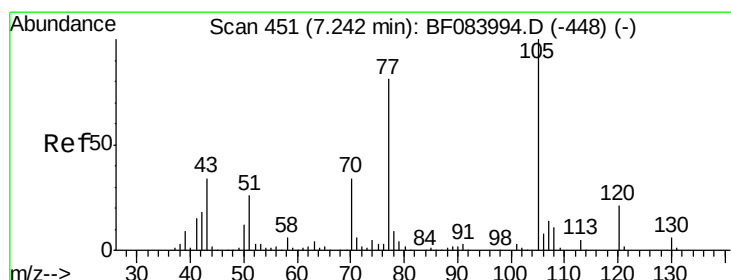
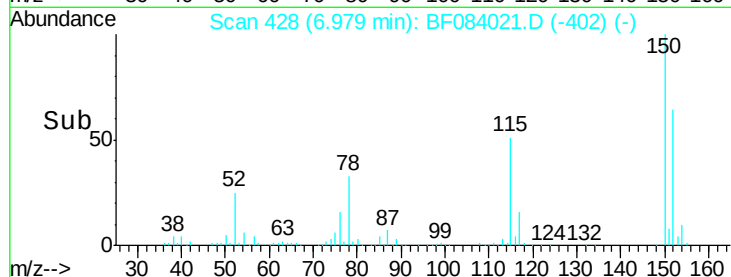
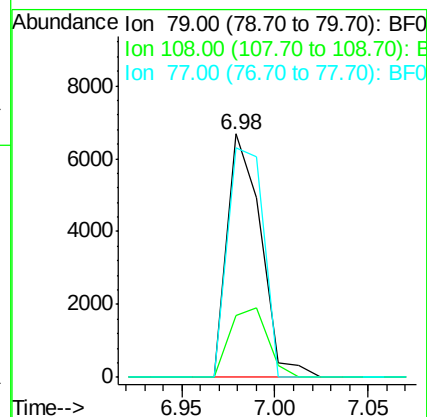
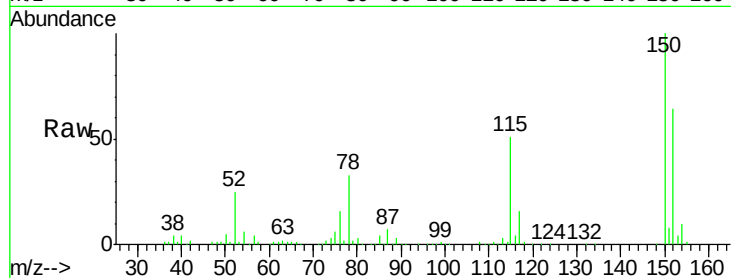
Tot Ion: 79 Resp: 8466

Ion Ratio Lower Upper

79 100

108 25.6 69.0 103.4#

77 94.3 50.0 75.0#



#19

n-Nitroso-di-n-propylamine

Concen: 33.75 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.15 min

Lab File: BF084021.D

Acq: 23 Dec 2015 6:36

Tgt Ion: 70 Resp: 62224

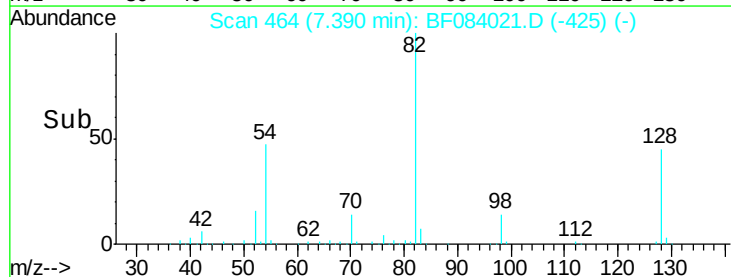
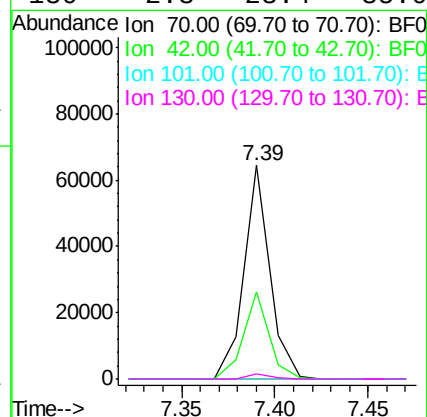
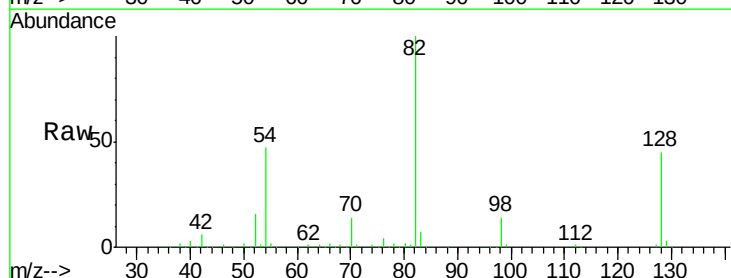
Ion Ratio Lower Upper

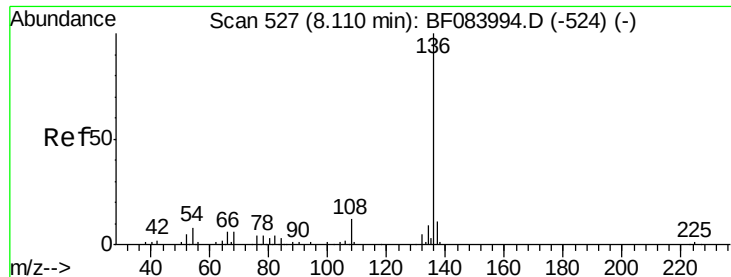
70 100

42 40.7 33.3 49.9

101 0.0 9.3 13.9#

130 2.3 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: BF084021.D

Acq: 23 Dec 2015 6:36

Instrument :

BNA_F

ClientSampleId :

IM-CLAY-008

Tot Ion:136 Resp: 299000

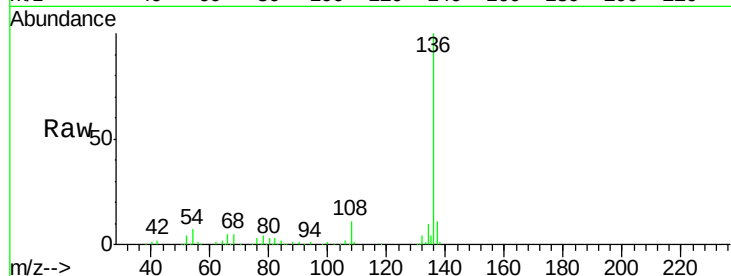
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 6.8 5.8 8.8

68 5.4 4.2 6.2

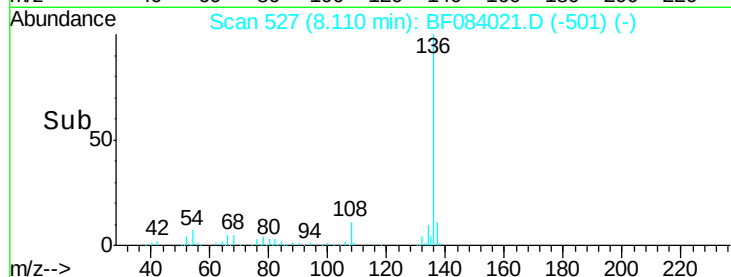


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

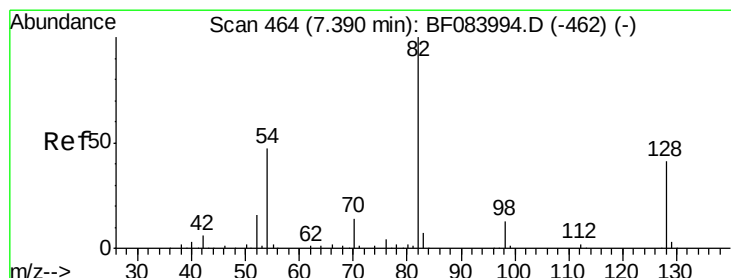
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

8.11



#23

Nitrobenzene-d5

Concen: 96.06 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.00 min

Lab File: BF084021.D

Acq: 23 Dec 2015 6:36

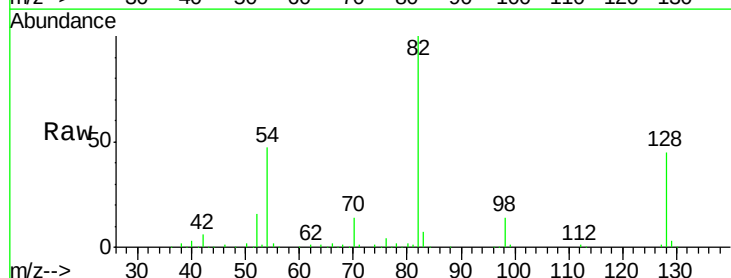
Tgt Ion: 82 Resp: 467525

Ion Ratio Lower Upper

82 100

128 45.0 34.6 51.8

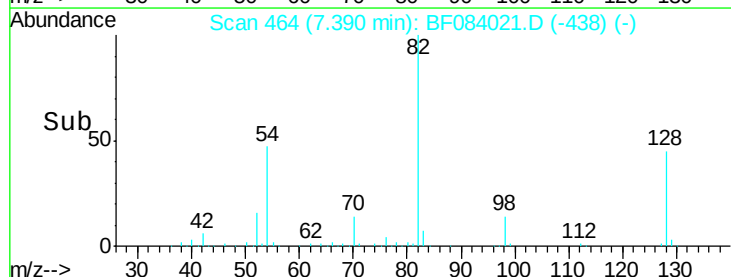
54 46.9 38.4 57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

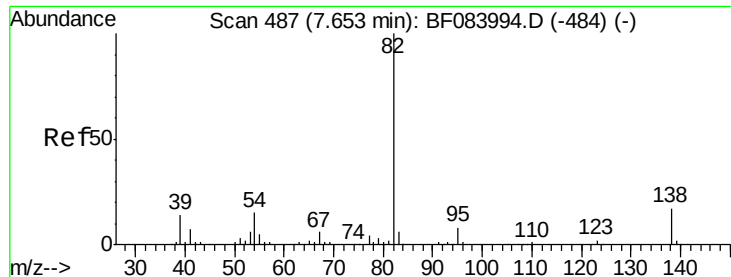
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

7.39



#25

Isophorone

Concen: 43.94 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.26 min

Lab File: BF084021.D

Acq: 23 Dec 2015 6:36

Instrument :

BNA_F

ClientSampleId :

IM-CLAY-008

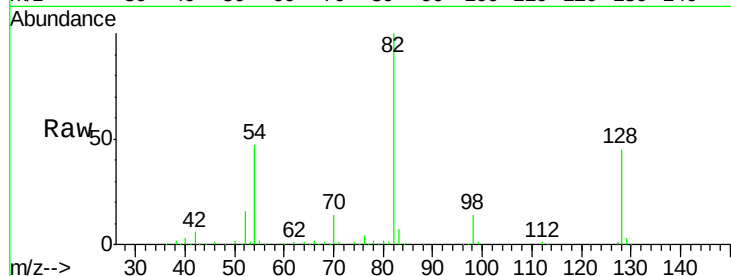
Tot Ion: 82 Resp: 405253

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

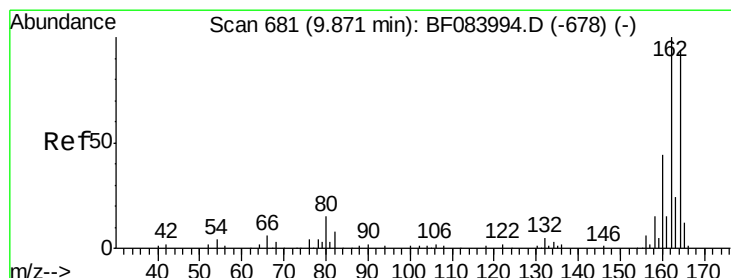
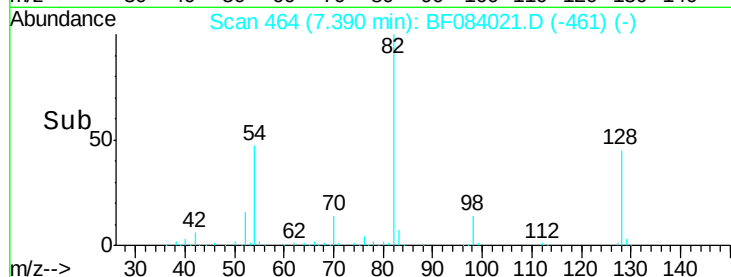
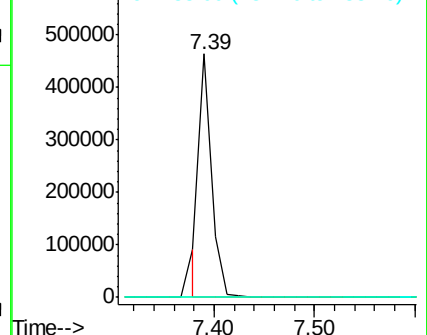
138 0.0 13.6 20.4#



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: BF084021.D

Acq: 23 Dec 2015 6:36

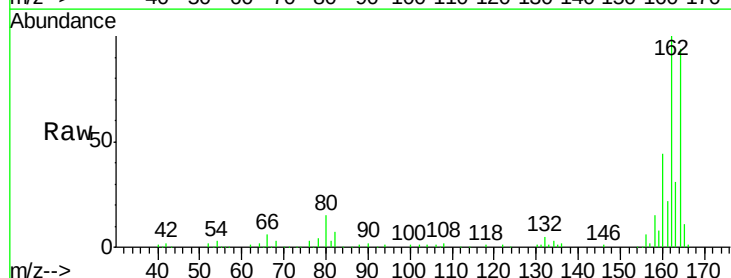
Tgt Ion: 164 Resp: 137947

Ion Ratio Lower Upper

164 100

162 105.9 85.1 127.7

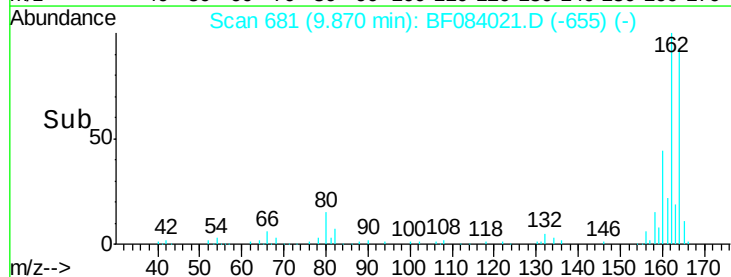
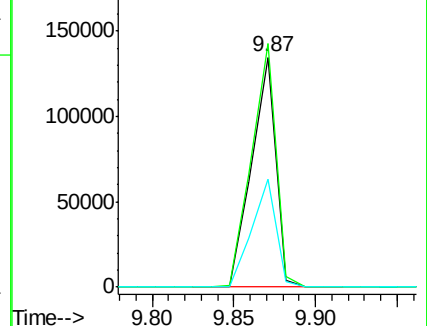
160 47.1 37.5 56.3

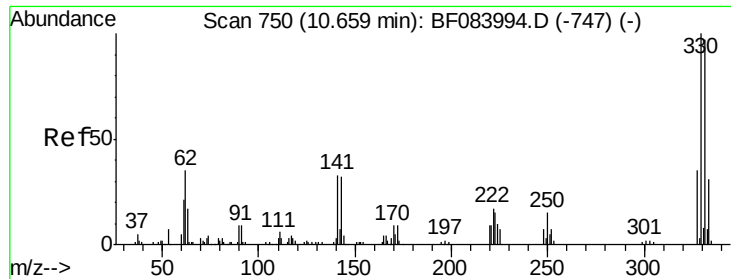


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

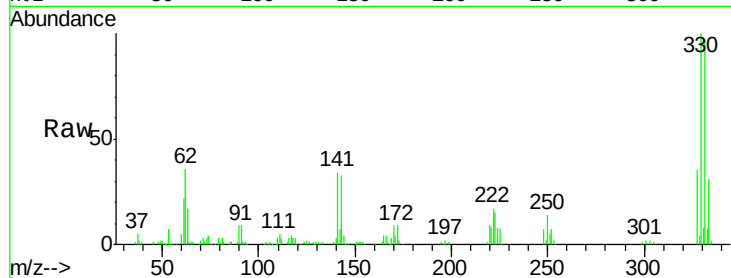




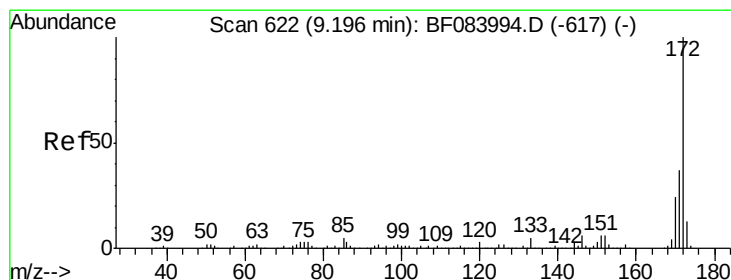
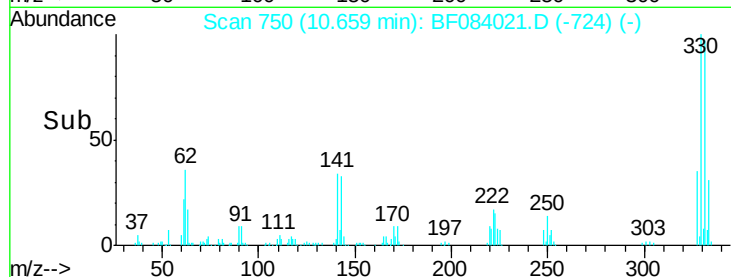
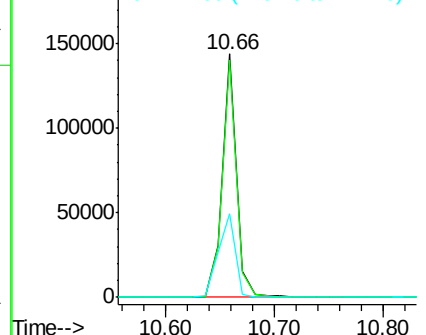
#41
 2,4,6-Tribromophenol
 Concen: 100.27 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF084021.D
 Acq: 23 Dec 2015 6:36

Instrument :
 BNA_F
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 IM-CLAY-008

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.6	114.8
141	41.0	27.8	41.6

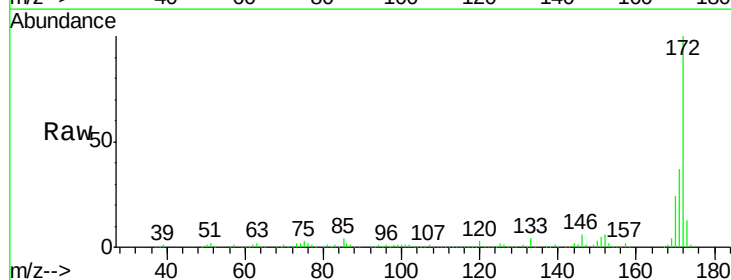


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

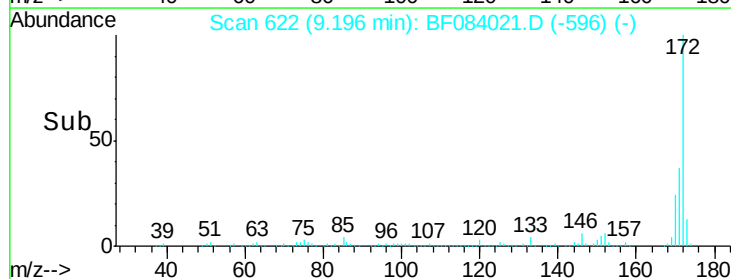
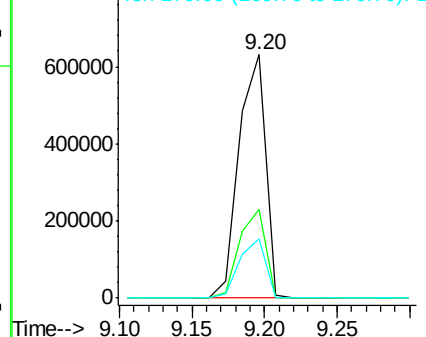


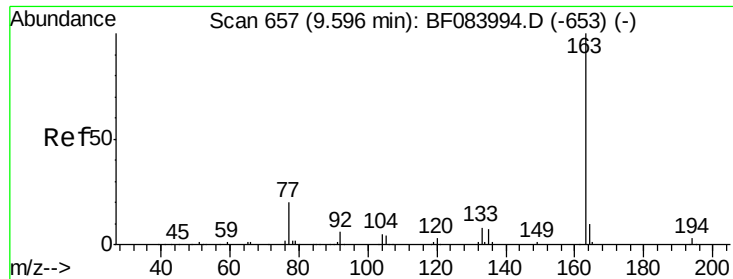
#44
 2-Fluorobiphenyl
 Concen: 78.36 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF084021.D
 Acq: 23 Dec 2015 6:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.9	43.3
170	24.3	18.6	27.8



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

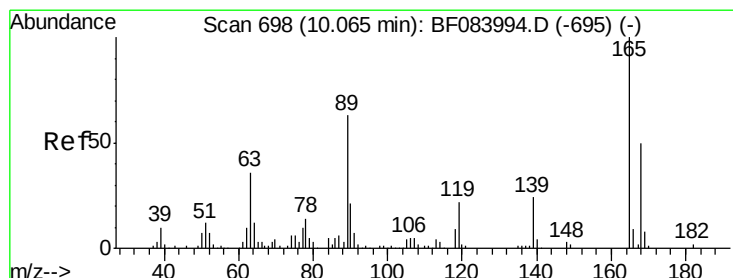
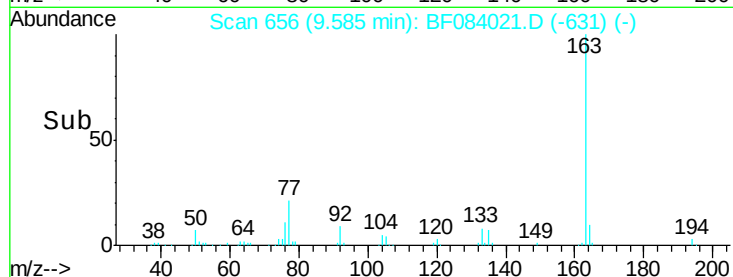
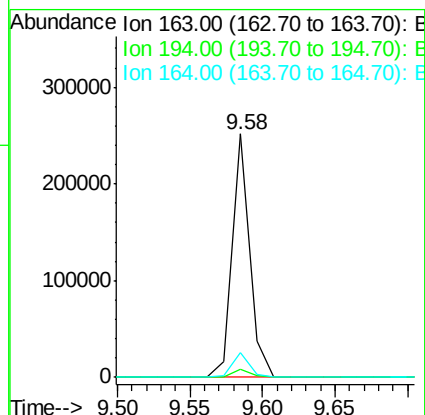
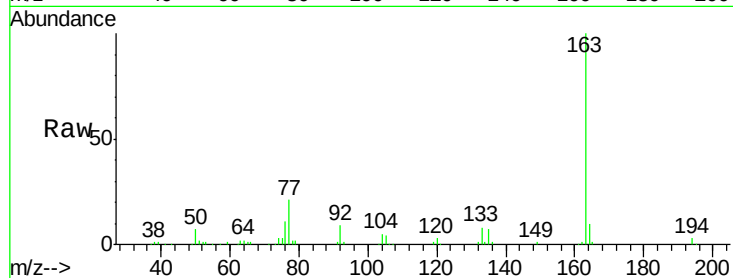




#49
Dimethylphthalate
Concen: 19.52 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.01 min
Lab File: BF084021.D
Acq: 23 Dec 2015 6:36

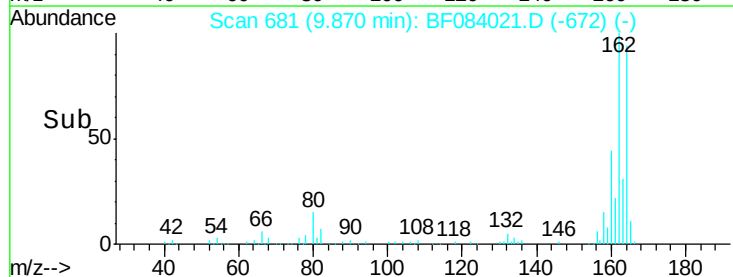
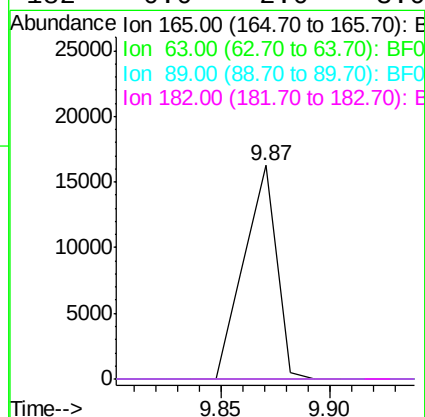
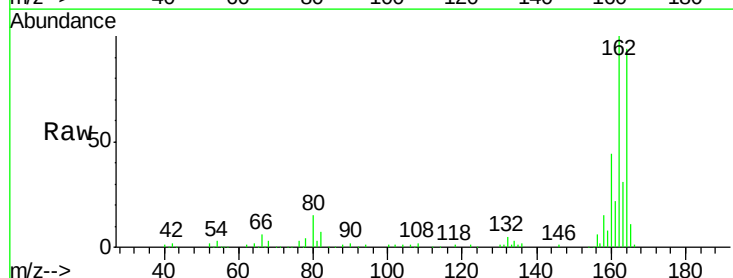
Instrument :
BNA_F
ClientSampleId :
IM-CLAY-008

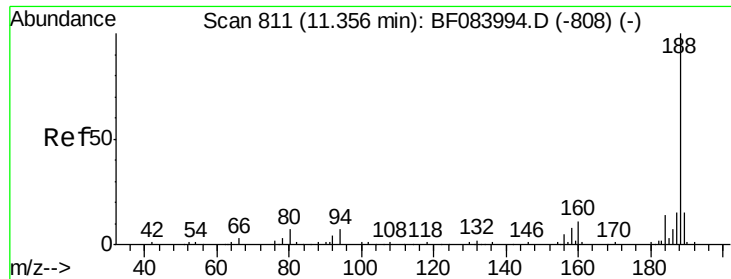
Tot Ion:163 Resp: 210738
Ion Ratio Lower Upper
163 100
194 3.3 8.0 12.0#
164 10.2 8.0 12.0



#56
2,4-Dinitrotoluene
Concen: 5.94 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.19 min
Lab File: BF084021.D
Acq: 23 Dec 2015 6:36

Tgt Ion:165 Resp: 17011
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#

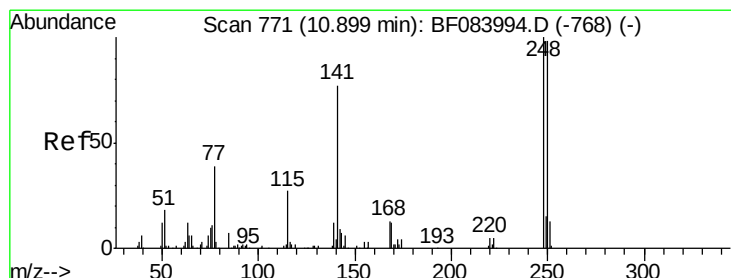
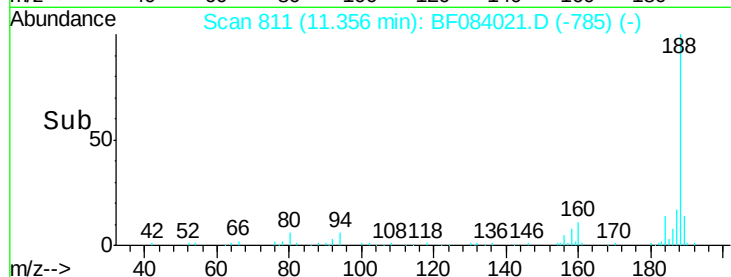
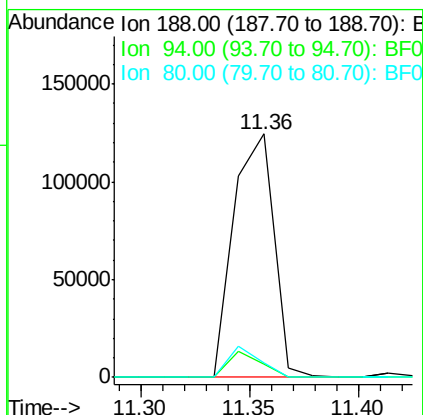
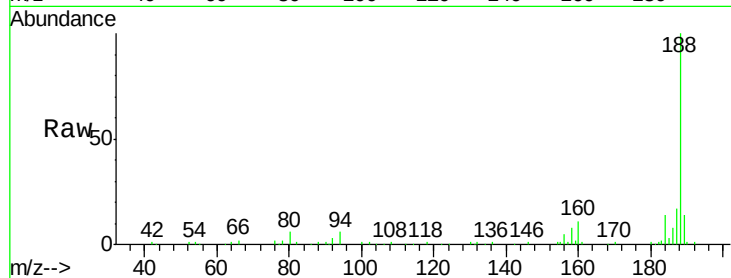




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF084021.D
Acq: 23 Dec 2015 6:36

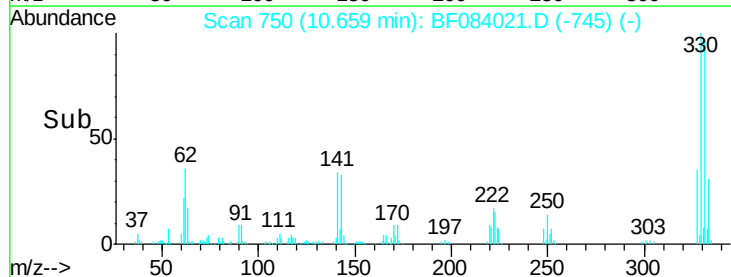
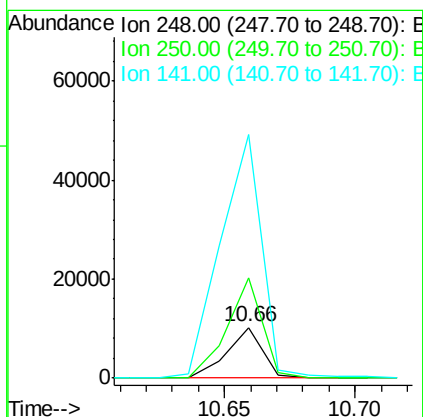
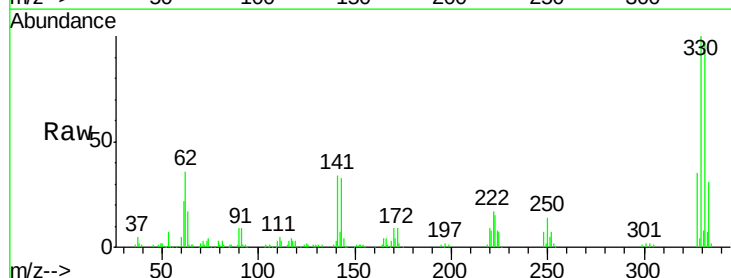
Instrument :
BNA_F
ClientSampleId :
IM-CLAY-008

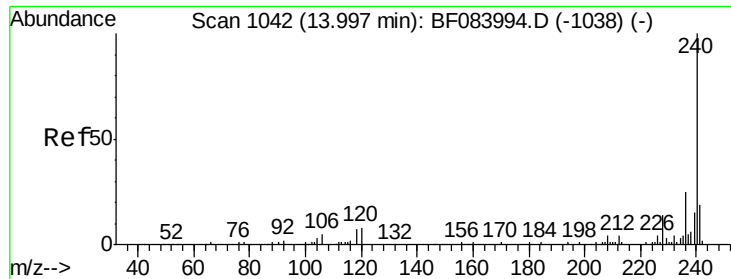
Tot Ion:188 Resp: 160113
Ion Ratio Lower Upper
188 100
94 5.7 9.0 13.4#
80 5.8 9.6 14.4#



#66
4-Bromophenyl-phenylether
Concen: 5.34 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.24 min
Lab File: BF084021.D
Acq: 23 Dec 2015 6:36

Tgt Ion:248 Resp: 9801
Ion Ratio Lower Upper
248 100
250 197.7 78.4 117.6#
141 478.7 44.0 66.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084021.D

Acq: 23 Dec 2015 6:36

Instrument :

BNA_F

ClientSampleId :

IM-CLAY-008

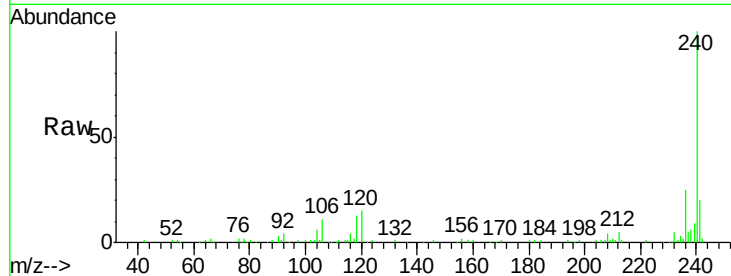
Tot Ion:240 Resp: 145970

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

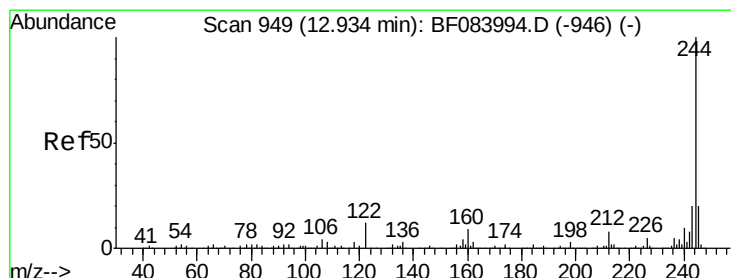
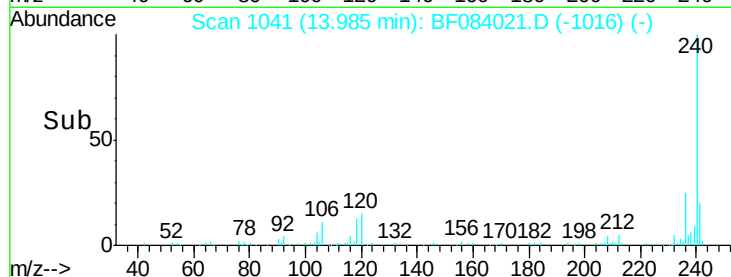
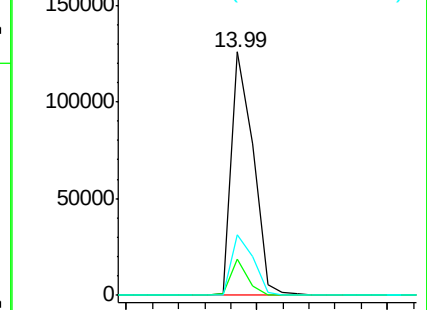
236 24.6 20.6 31.0



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: 73.57 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF084021.D

Acq: 23 Dec 2015 6:36

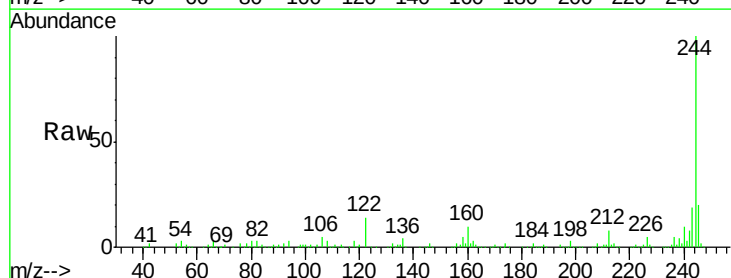
Tgt Ion:244 Resp: 450296

Ion Ratio Lower Upper

244 100

212 7.8 5.7 8.5

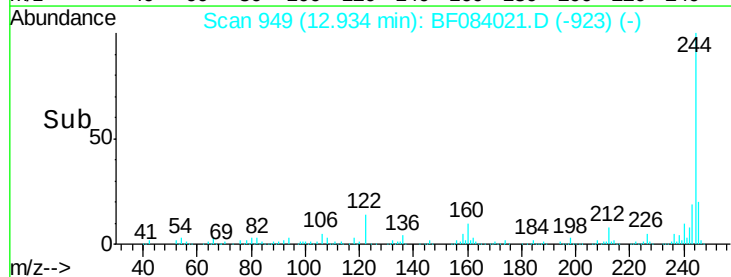
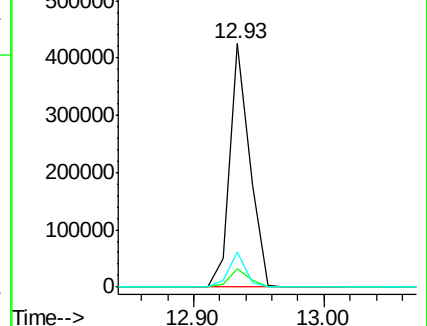
122 14.5 7.4 11.0#

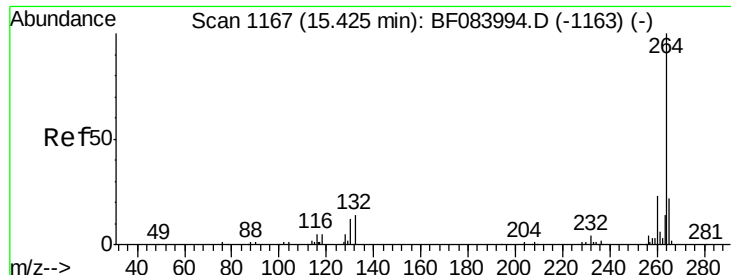


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

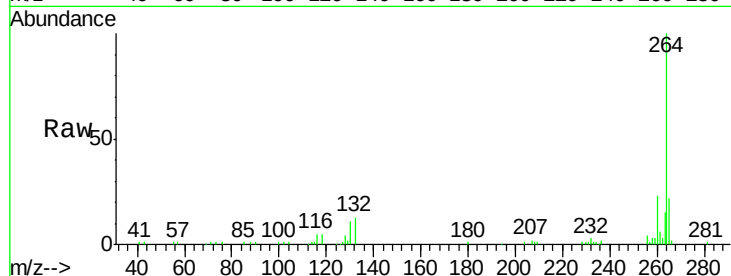




#86
Pervlène-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.00 min
Lab File: BF084021.D
Acq: 23 Dec 2015 6:36

Instrument :
BNA_F
ClientSampleId :
IM-CLAY-008

Tot Ion:	264	Resp:	109181
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.4	29.2
265	21.7	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

