

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
 Data File : BF084448.D
 Acq On : 13 Jan 2016 18:22
 Operator : SJ/UM
 Sample : H1105-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-CLAY-013

Quant Time: Jan 14 11:11:38 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

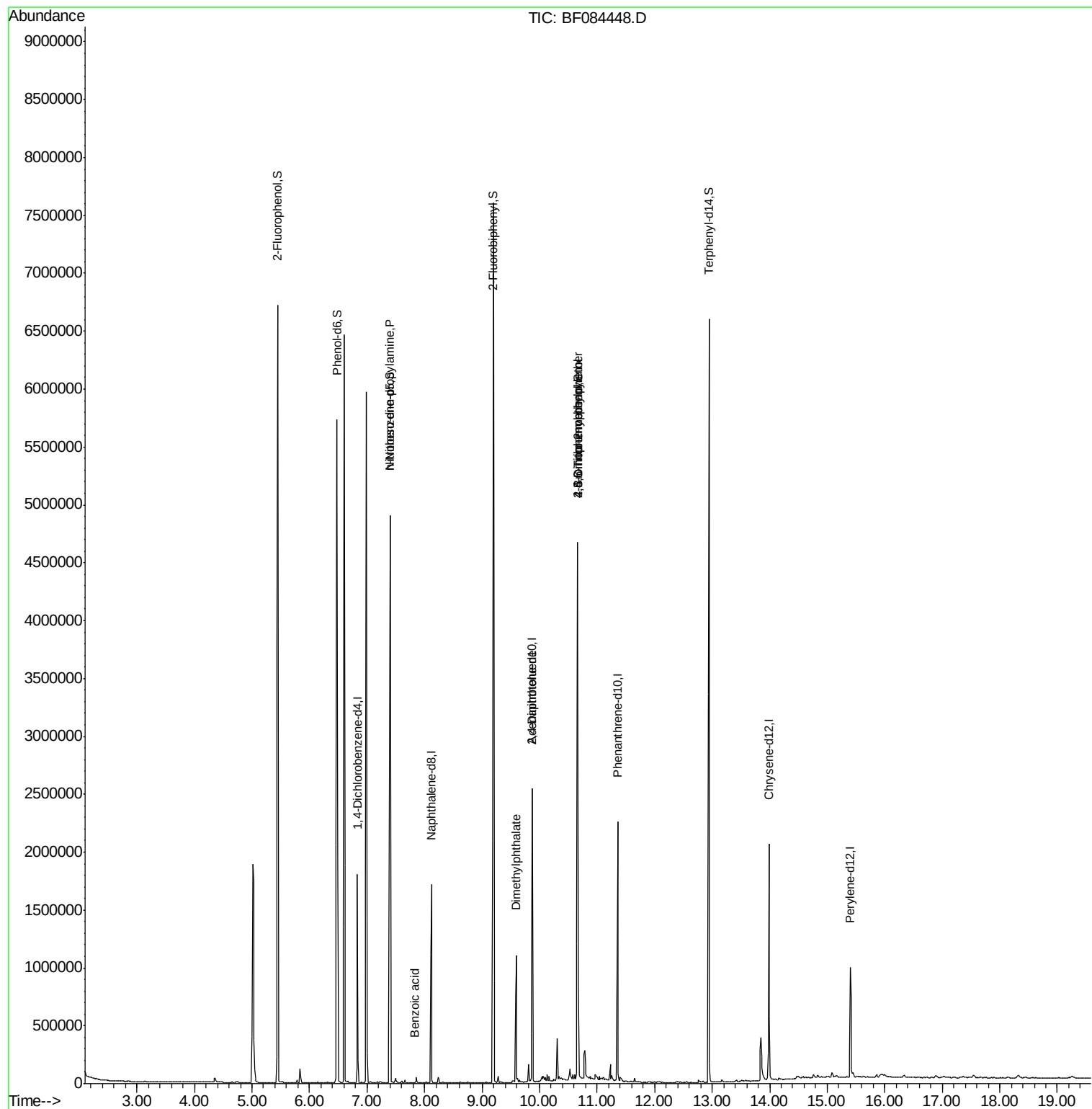
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	237494	20.00	ng	-0.07
21) Naphthalene-d8	8.12	136	981933	20.00	ng	-0.07
38) Acenaphthene-d10	9.87	164	476860	20.00	ng	-0.08
63) Phenanthrene-d10	11.36	188	884384	20.00	ng	-0.07
75) Chrysene-d12	13.99	240	708371	20.00	ng	-0.08
86) Perylene-d12	15.40	264	471450	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	2032362	138.42	ng	-0.04
7) Phenol-d6	6.48	99	2367271	128.37	ng	-0.06
23) Nitrobenzene-d5	7.40	82	1773825	100.54	ng	-0.07
41) 2,4,6-Tribromophenol	10.66	330	531829	110.47	ng	-0.08
44) 2-Fluorobiphenyl	9.20	172	2302513	84.94	ng	-0.07
78) Terphenyl-d14	12.95	244	2252128	70.97	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	246017	19.71	ng	# 73
32) Benzoic acid	7.84	122	1091	6.34	ng	# 89
49) Dimethylphthalate	9.60	163	583117	17.10	ng	# 91
54) Dibenzofuran	10.08	168	944	Below Cal	#	69
56) 2,4-Dinitrotoluene	9.87	165	60370	6.38	ng	# 21
57) Fluorene	10.66	166	24749	Below Cal	#	90
64) 4,6-Dinitro-2-methylphenol	10.66	198	1277	6.60	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	33708	3.54	ng	# 1
73) Di-n-butylphthalate	11.92	149	3878	Below Cal	#	91

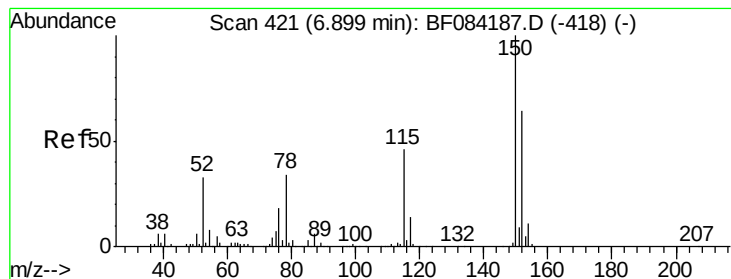
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084448.D
Acq On : 13 Jan 2016 18:22
Operator : SJ/UM
Sample : H1105-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IM-CLAY-013

Quant Time: Jan 14 11:11:38 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.07 min

Lab File: BF084448.D

Acq: 13 Jan 2016 18:22

Instrument :

BNA_F

ClientSampleId :

IM-CLAY-013

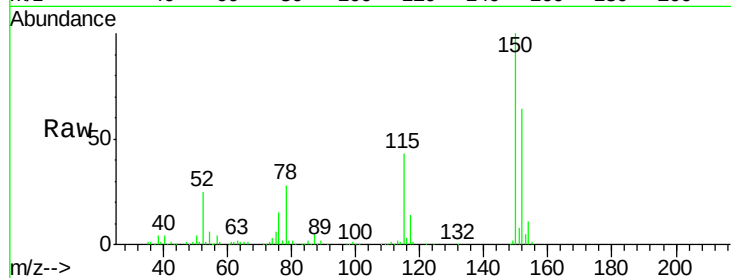
Tot Ion:152 Resp: 237494

Ion Ratio Lower Upper

152 100

150 155.7 123.0 184.4

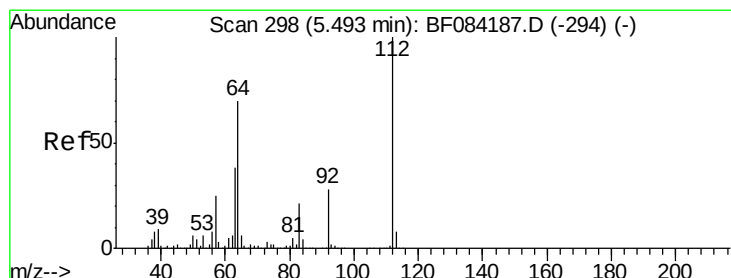
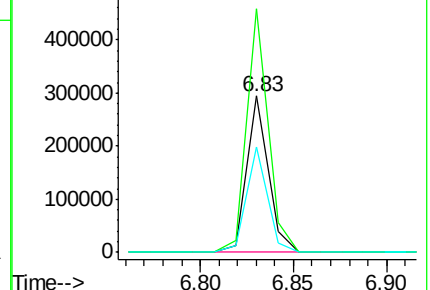
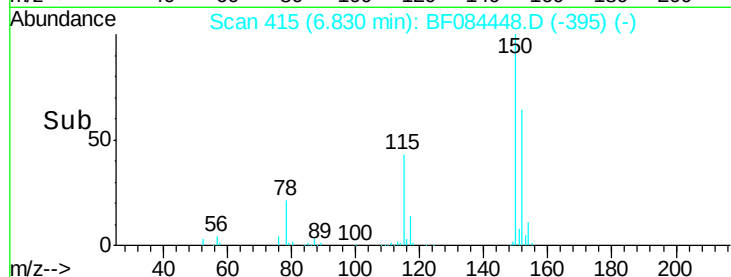
115 67.0 51.4 77.2



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: 138.42 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.04 min

Lab File: BF084448.D

Acq: 13 Jan 2016 18:22

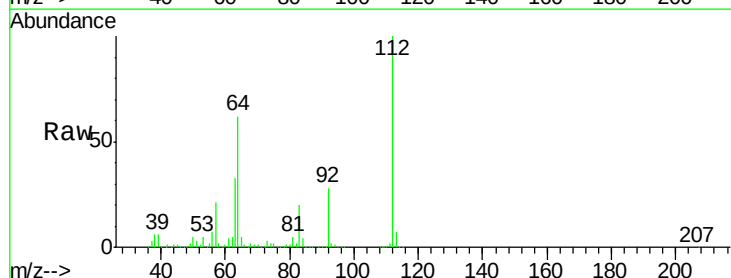
Tgt Ion:112 Resp: 2032362

Ion Ratio Lower Upper

112 100

64 62.3 36.6 55.0#

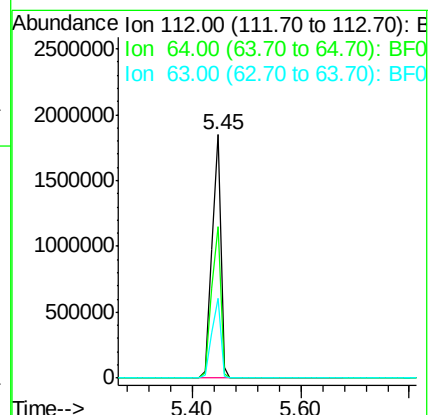
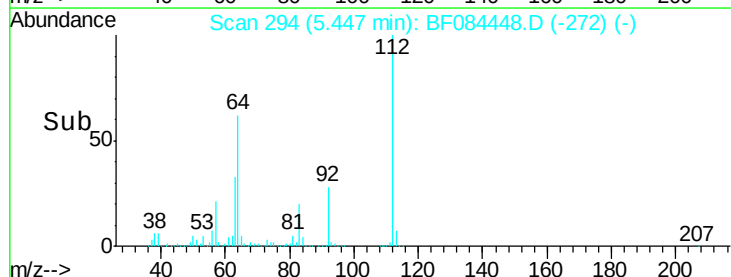
63 32.8 19.4 29.0#

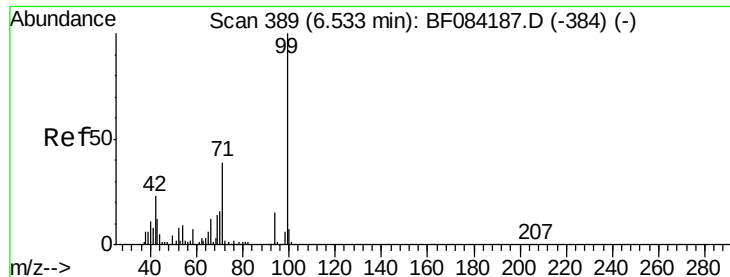


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 128.37 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.06 min

Lab File: BF084448.D

Acq: 13 Jan 2016 18:22

Instrument :

BNA_F

ClientSampleId :

IM-CLAY-013

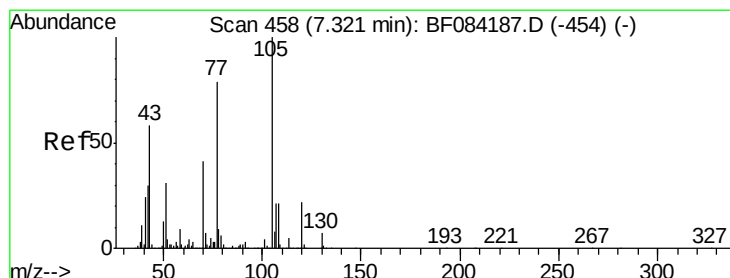
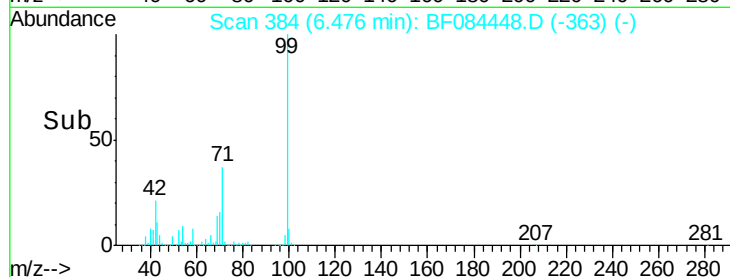
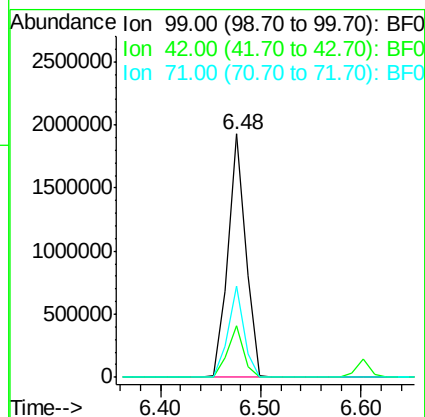
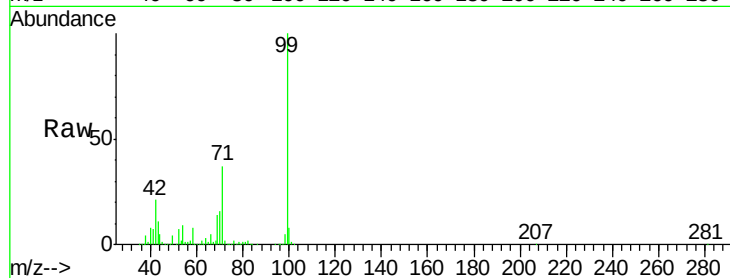
Tot Ion: 99 Resp: 2367271

Ion Ratio Lower Upper

99 100

42 21.1 12.8 19.2#

71 37.3 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 19.71 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.08 min

Lab File: BF084448.D

Acq: 13 Jan 2016 18:22

Tgt Ion: 70 Resp: 246017

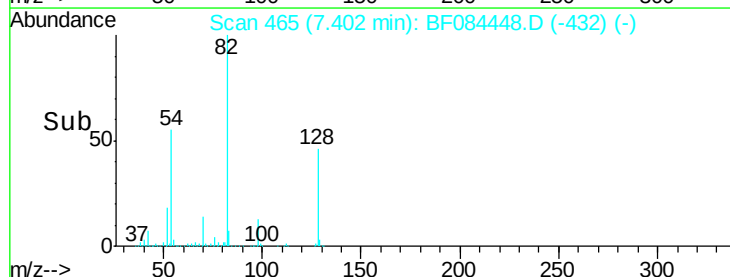
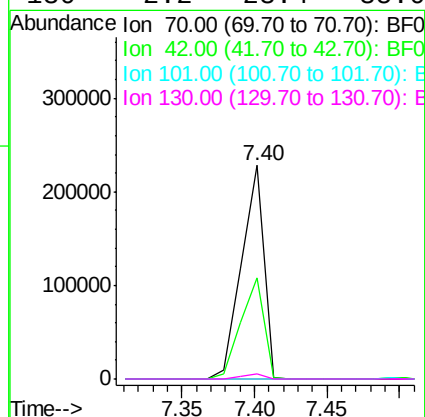
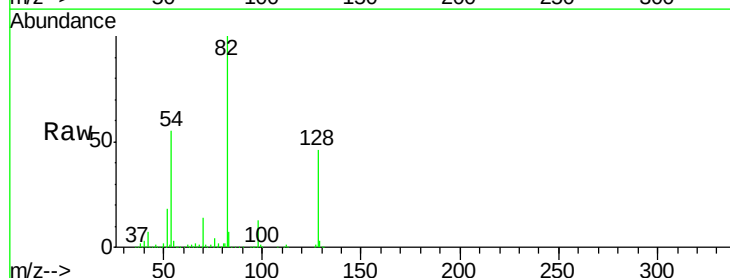
Ion Ratio Lower Upper

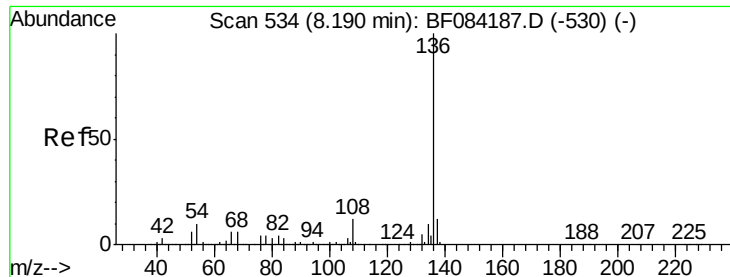
70 100

42 47.5 33.3 49.9

101 0.0 9.3 13.9#

130 2.2 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.07 min

Lab File: BF084448.D

Acq: 13 Jan 2016 18:22

Instrument :

BNA_F

ClientSampleId :

IM-CLAY-013

Tot Ion:136 Resp: 981933

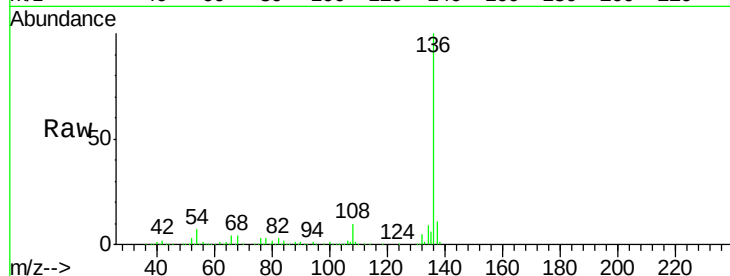
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 6.7 5.8 8.8

68 4.5 4.2 6.2

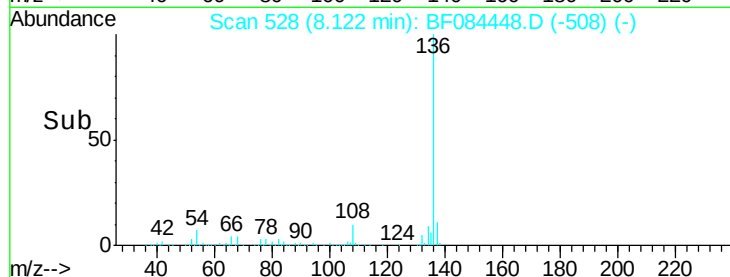


Abundance Ion 136.00 (135.70 to 136.70): E

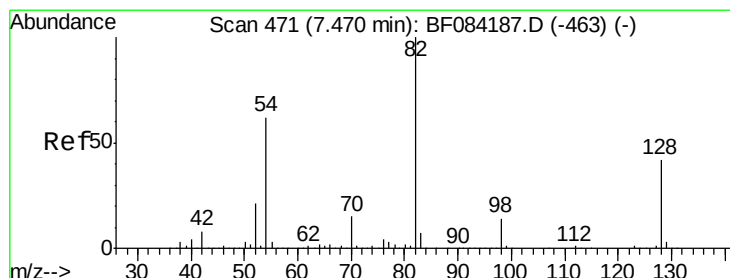
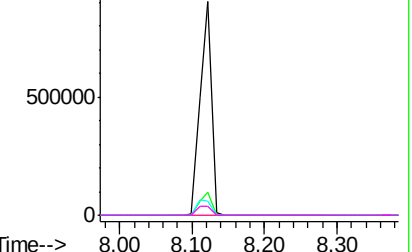
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 100.54 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.07 min

Lab File: BF084448.D

Acq: 13 Jan 2016 18:22

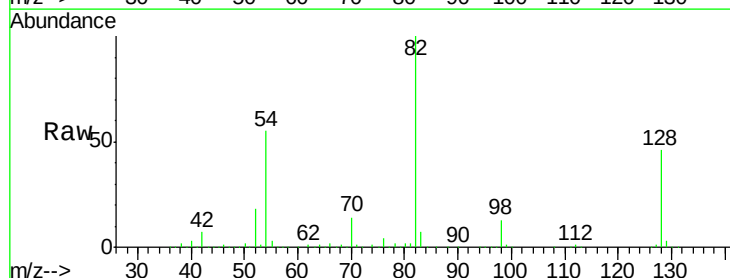
Tgt Ion: 82 Resp: 1773825

Ion Ratio Lower Upper

82 100

128 46.3 34.6 51.8

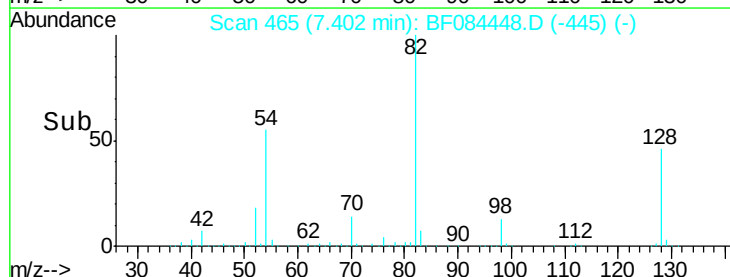
54 54.9 38.4 57.6



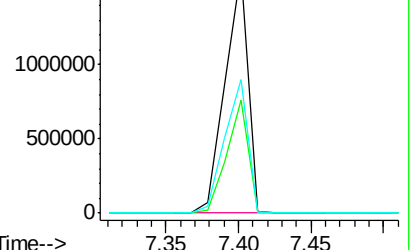
Abundance Ion 82.00 (81.70 to 82.70): BF0

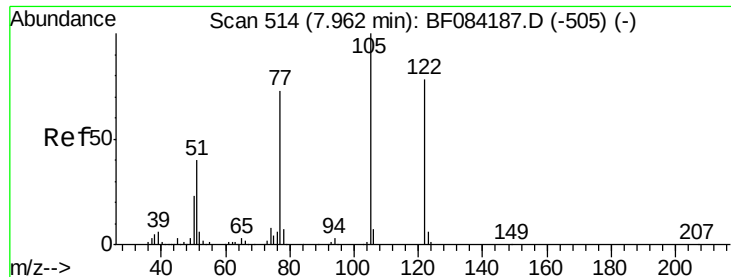
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#32

Benzoic acid

Concen: 6.34 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.12 min

Lab File: BF084448.D

Acq: 13 Jan 2016 18:22

Instrument :

BNA_F

ClientSampled :

IM-CLAY-013

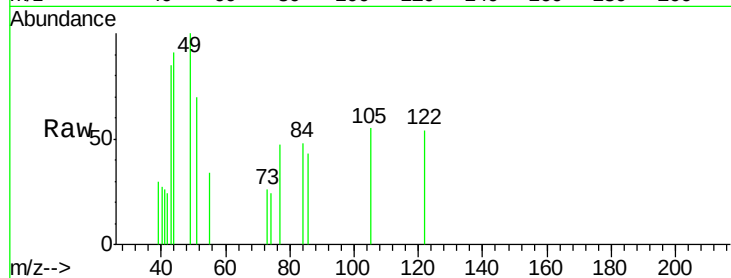
Tot Ion:122 Resp: 1091

Ion Ratio Lower Upper

122 100

105 102.5 100.3 140.3

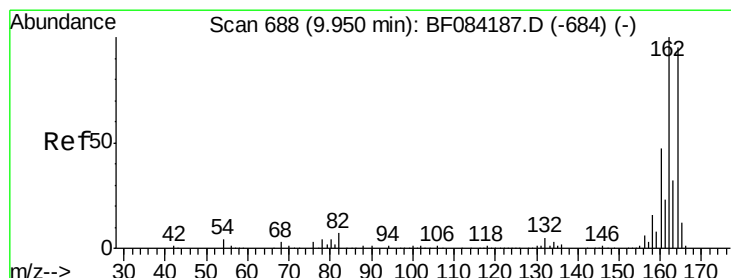
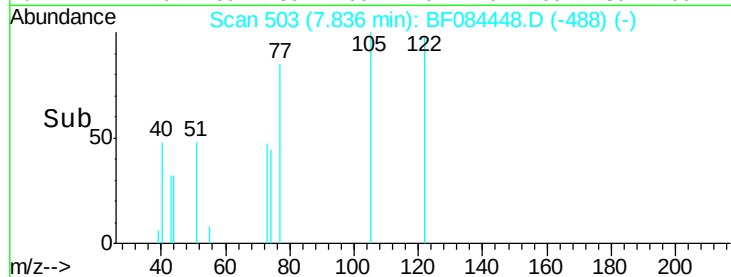
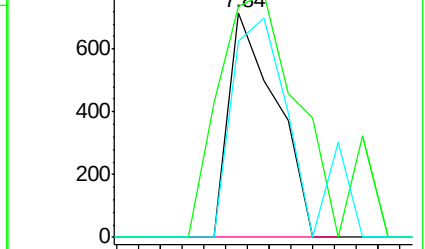
77 87.2 63.5 103.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.08 min

Lab File: BF084448.D

Acq: 13 Jan 2016 18:22

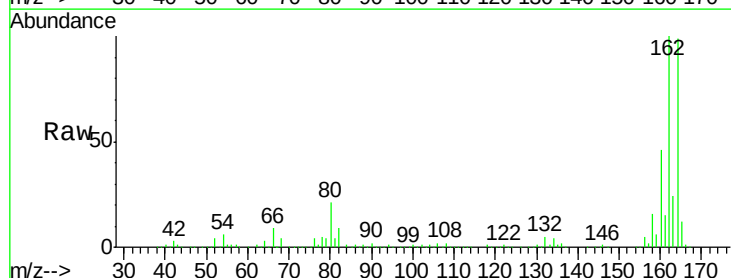
Tgt Ion:164 Resp: 476860

Ion Ratio Lower Upper

164 100

162 101.3 85.1 127.7

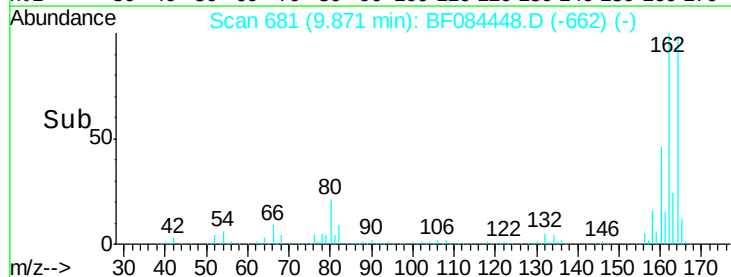
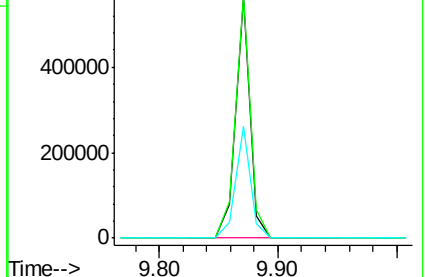
160 46.6 37.5 56.3

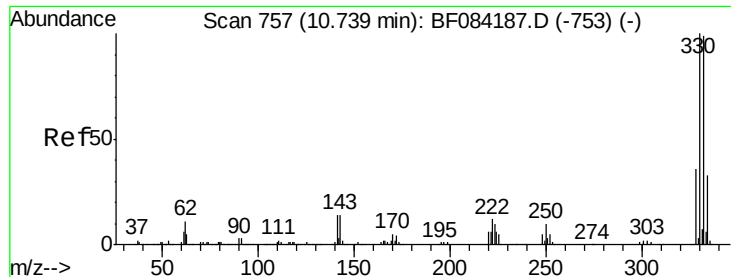


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

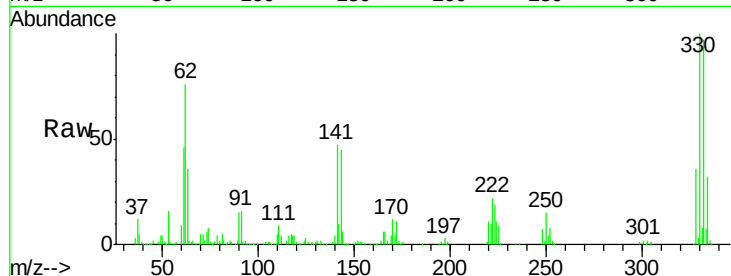




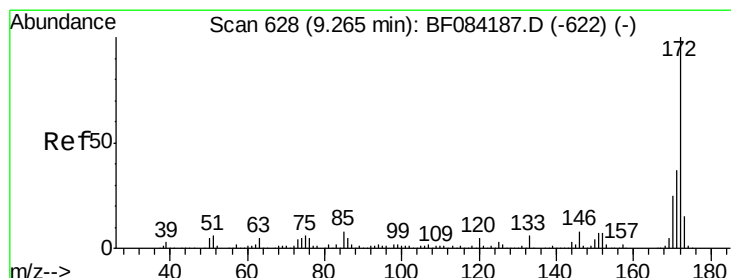
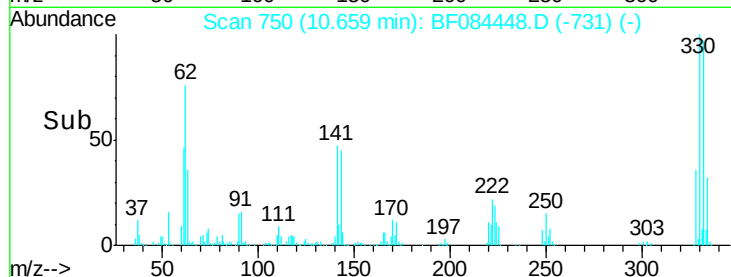
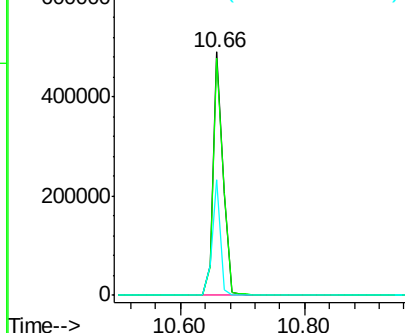
#41
 2,4,6-Tribromophenol
 Concen: 110.47 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.08 min
 Lab File: BF084448.D
 Acq: 13 Jan 2016 18:22

Instrument :
 BNA_F
 ClientSampleId :
 IM-CLAY-013

Tot Ion:330 Resp: 531829
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 114.8
 141 40.4 27.8 41.6

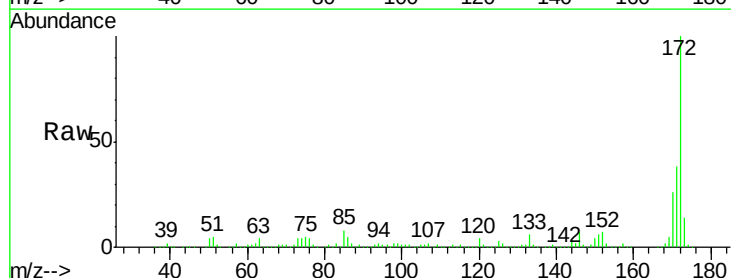


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

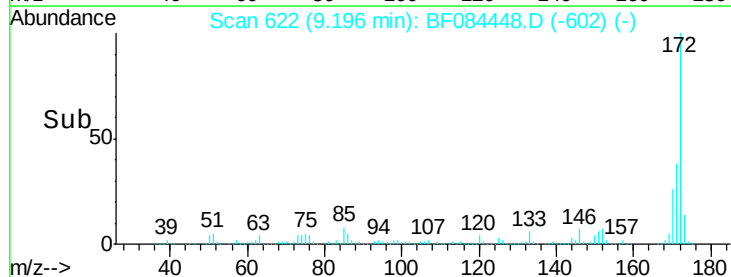
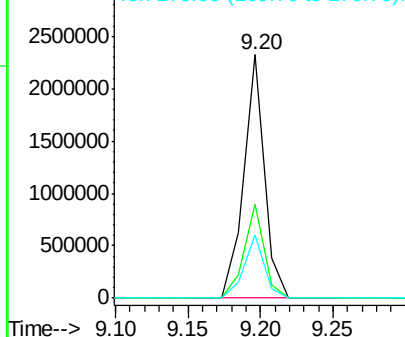


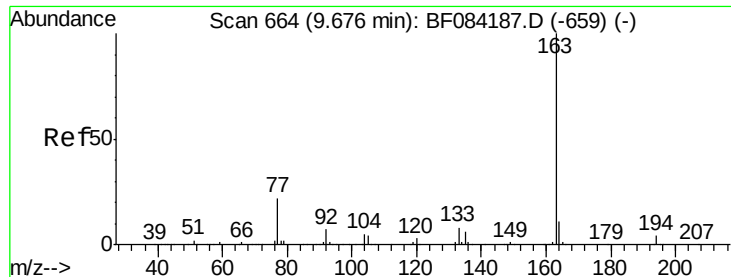
#44
 2-Fluorobiphenyl
 Concen: 84.94 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.07 min
 Lab File: BF084448.D
 Acq: 13 Jan 2016 18:22

Tgt Ion:172 Resp: 2302513
 Ion Ratio Lower Upper
 172 100
 171 38.4 28.9 43.3
 170 26.0 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: 17.10 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.08 min

Lab File: BF084448.D

Acq: 13 Jan 2016 18:22

Instrument :

BNA_F

ClientSampleId :

IM-CLAY-013

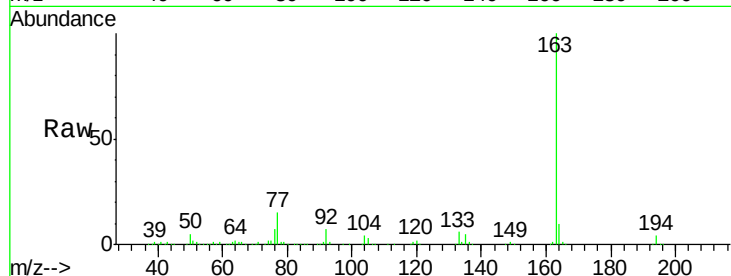
Tot Ion:163 Resp: 583117

Ion Ratio Lower Upper

163 100

194 3.6 8.0 12.0#

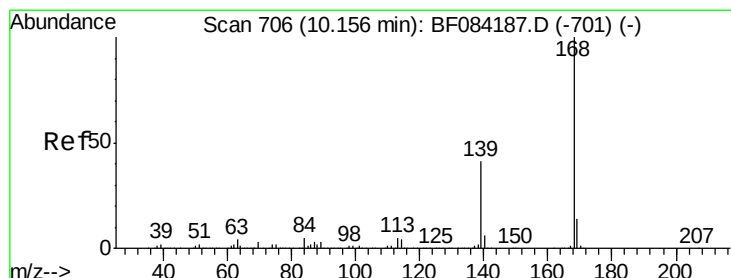
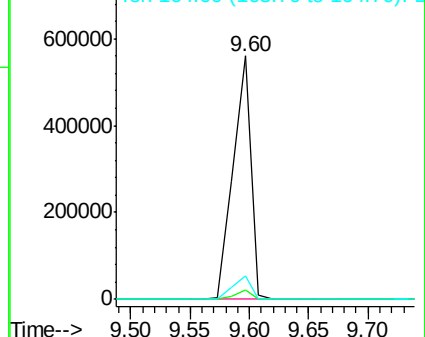
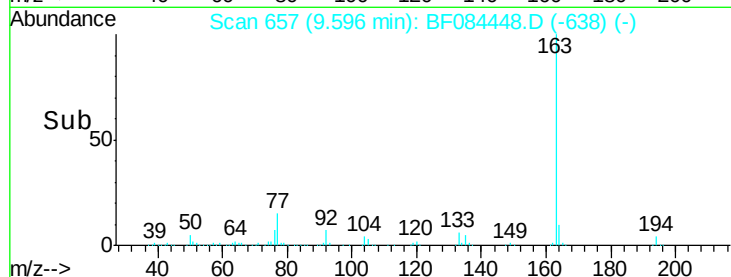
164 9.9 8.0 12.0



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



#54

Dibenzofuran

Concen: Below Cal

RT: 10.08 min Scan# 699

Delta R.T. -0.08 min

Lab File: BF084448.D

Acq: 13 Jan 2016 18:22

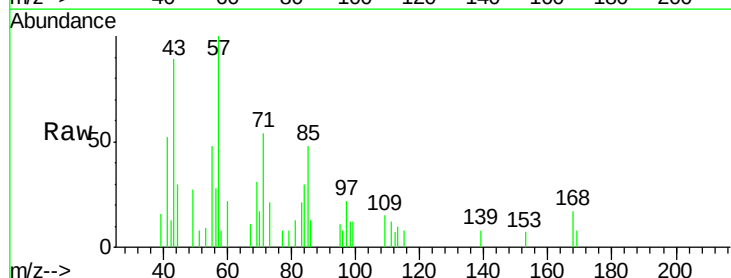
Tgt Ion:168 Resp: 944

Ion Ratio Lower Upper

168 100

139 44.7 30.5 45.7

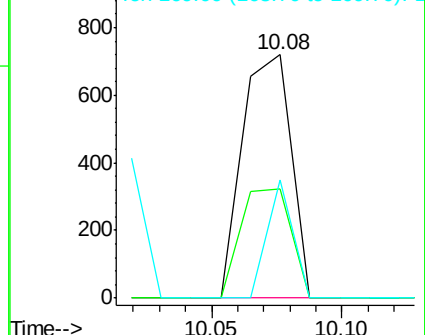
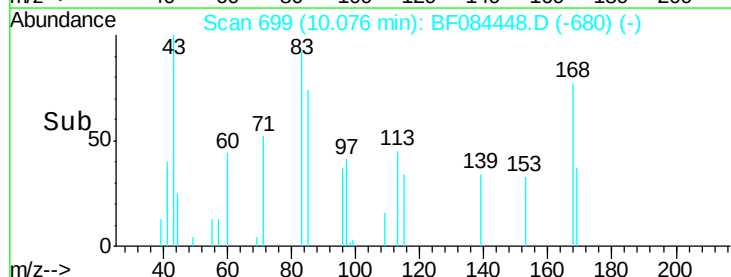
169 48.5 10.4 15.6#

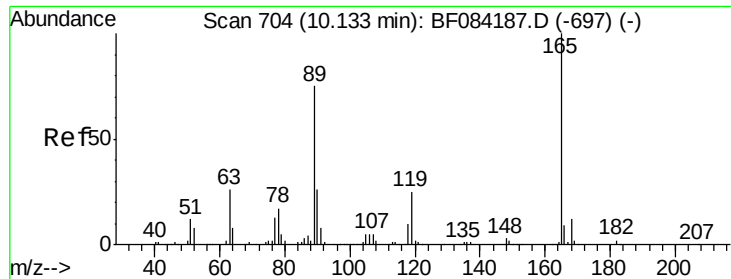


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

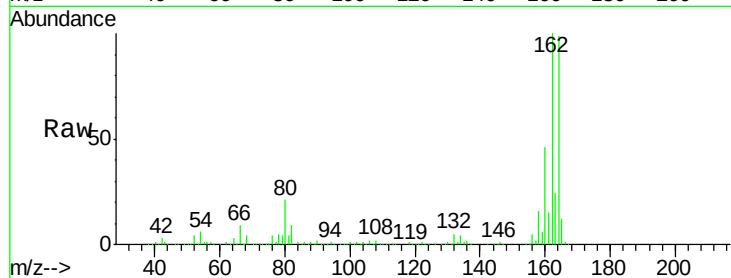




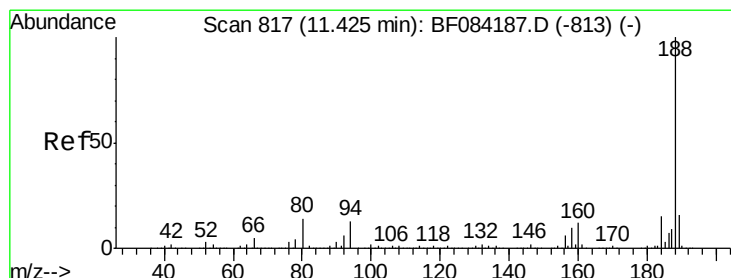
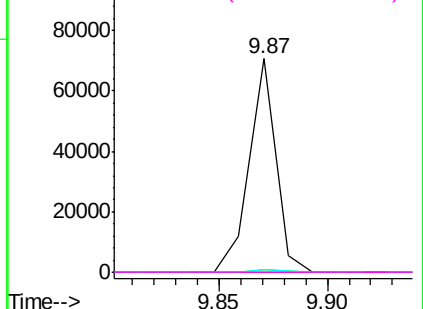
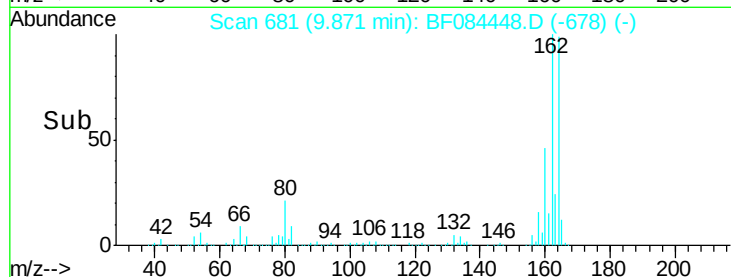
#56
 2,4-Dinitrotoluene
 Concen: 6.38 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.26 min
 Lab File: BF084448.D
 Acq: 13 Jan 2016 18:22

Instrument :
 BNA_F
 ClientSampleId :
 IM-CLAY-013

Tot Ion:165 Resp: 60370
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.7 55.1#
 89 1.2 61.9 92.9#
 182 0.0 2.0 3.0#

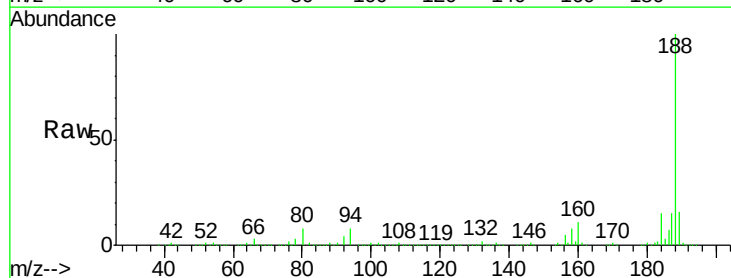


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

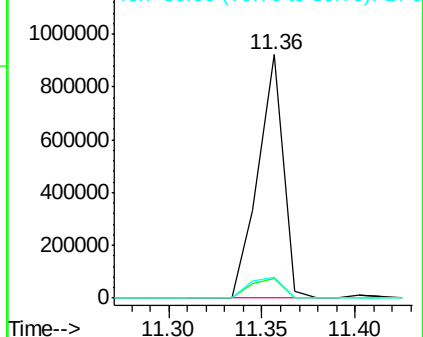
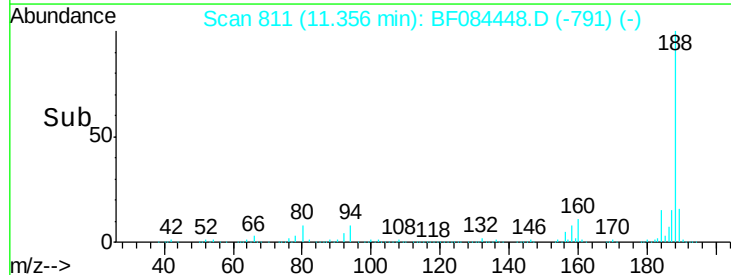


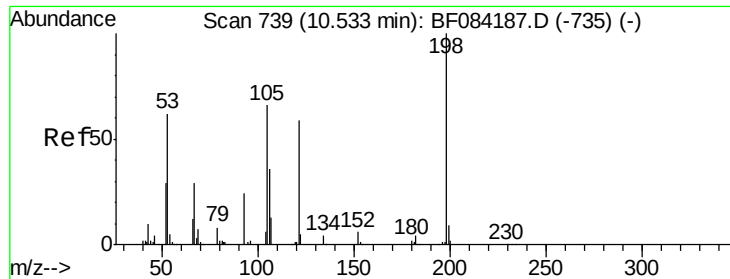
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.07 min
 Lab File: BF084448.D
 Acq: 13 Jan 2016 18:22

Tgt Ion:188 Resp: 884384
 Ion Ratio Lower Upper
 188 100
 94 8.2 9.0 13.4#
 80 8.4 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





#64

4,6-Dinitro-2-methylphenol

Concen: 6.60 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.13 min

Lab File: BF084448.D

Acq: 13 Jan 2016 18:22

Instrument :

BNA_F

ClientSampleId :

IM-CLAY-013

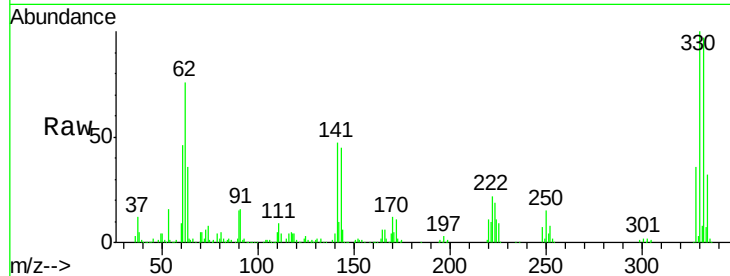
Tot Ion:198 Resp: 1277

Ion Ratio Lower Upper

198 100

51 178.8 18.9 58.9#

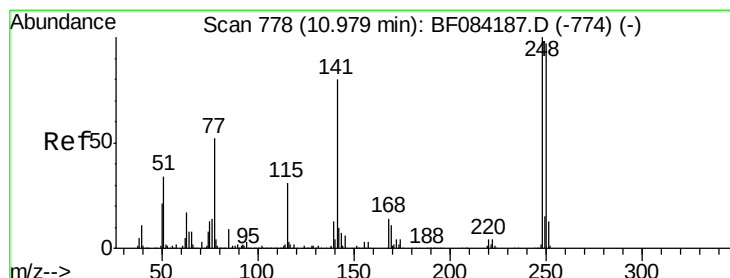
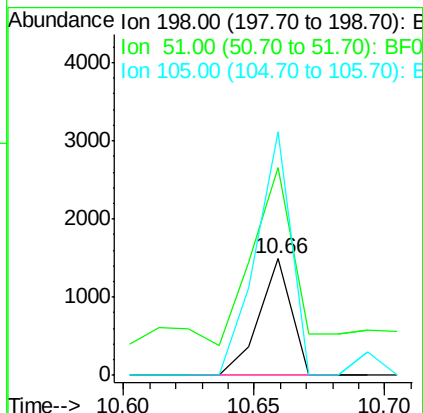
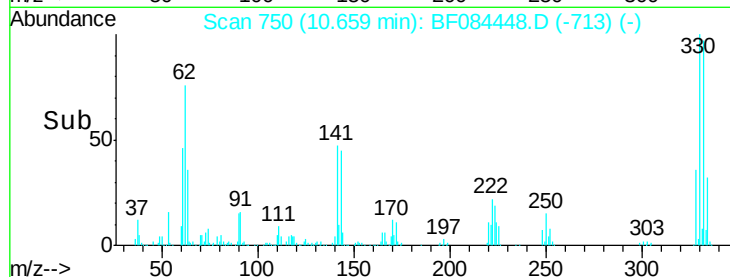
105 209.0 26.4 66.4#



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: 3.54 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.32 min

Lab File: BF084448.D

Acq: 13 Jan 2016 18:22

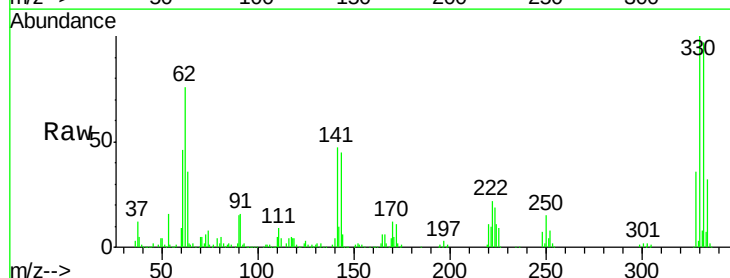
Tgt Ion:248 Resp: 33708

Ion Ratio Lower Upper

248 100

250 207.4 78.4 117.6#

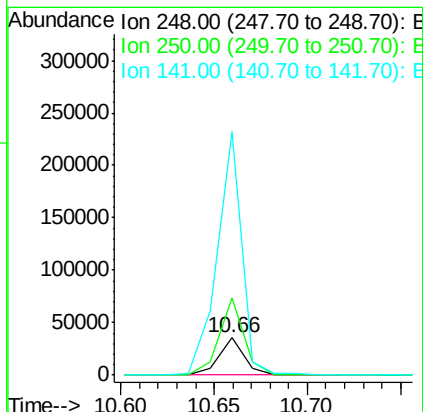
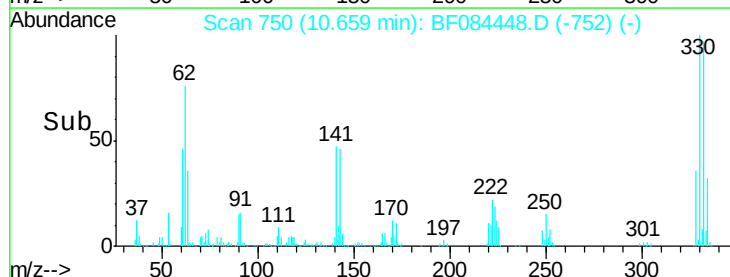
141 655.2 44.0 66.0#

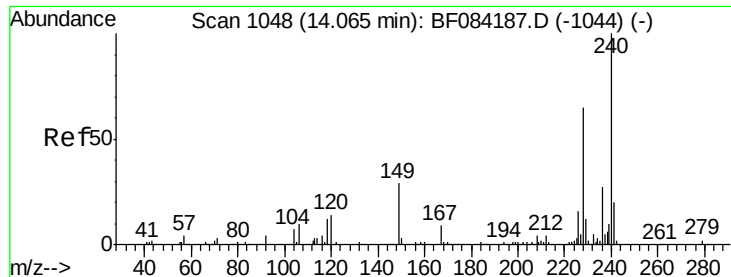


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.08 min

Lab File: BF084448.D

Acq: 13 Jan 2016 18:22

Instrument :

BNA_F

ClientSampleId :

IM-CLAY-013

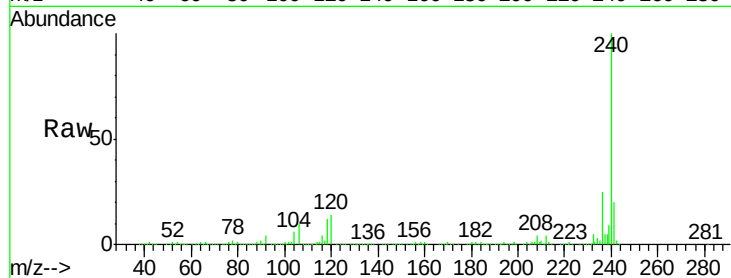
Tot Ion:240 Resp: 708371

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

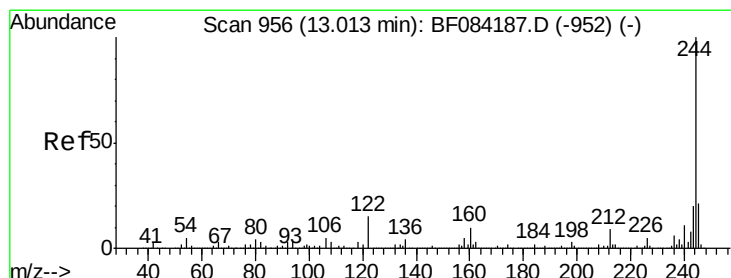
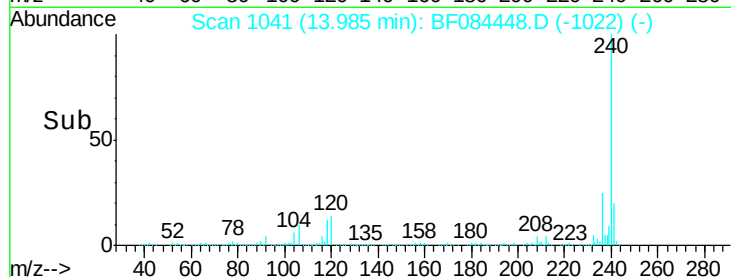
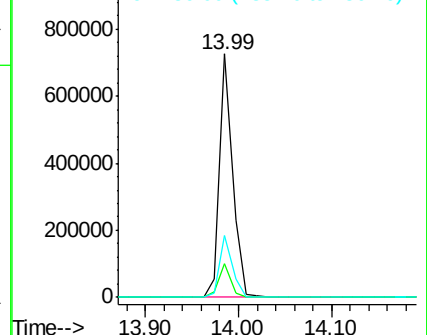
236 25.3 20.6 31.0



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: 70.97 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.07 min

Lab File: BF084448.D

Acq: 13 Jan 2016 18:22

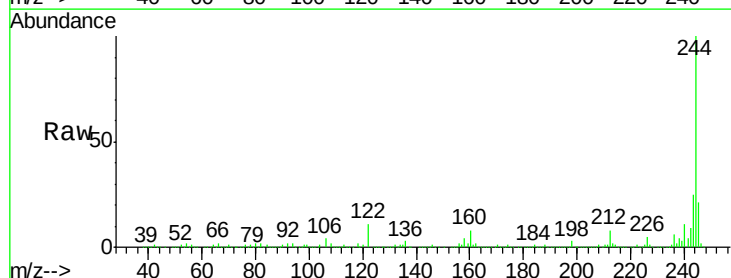
Tgt Ion:244 Resp: 2252128

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

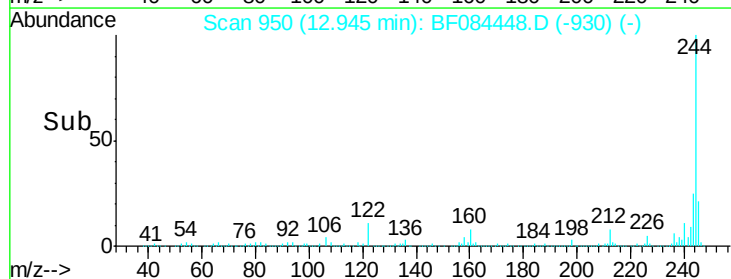
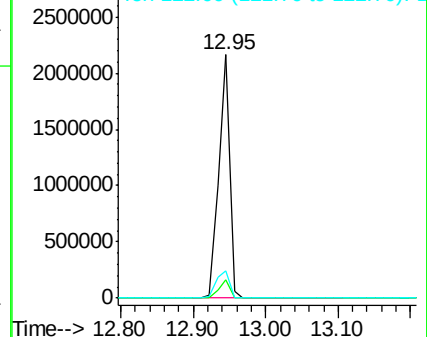
122 11.3 7.4 11.0#

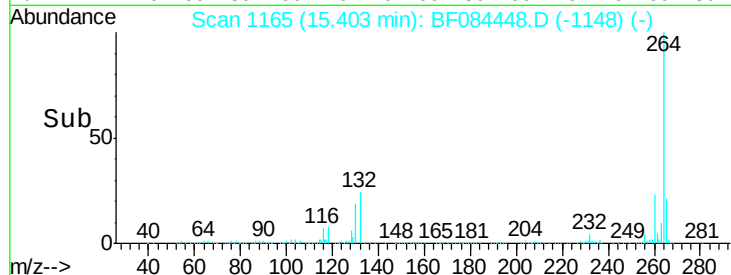
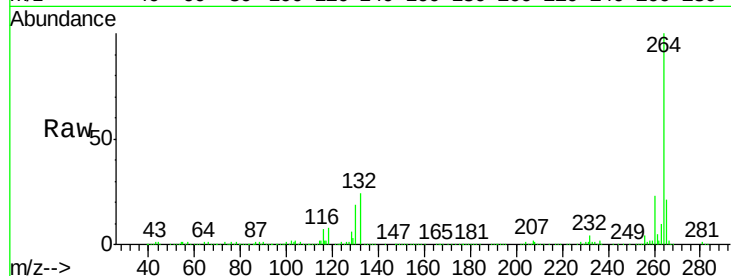
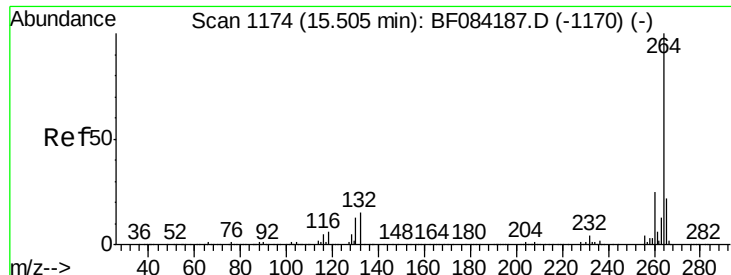


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.40 min Scan# 1165
 Delta R.T. -0.10 min
 Lab File: BF084448.D
 Acq: 13 Jan 2016 18:22

Instrument :
 BNA_F
 ClientSampleId :
 IM-CLAY-013

Tot Ion:	264	Resp:	471450
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	21.3	17.8	26.6

