

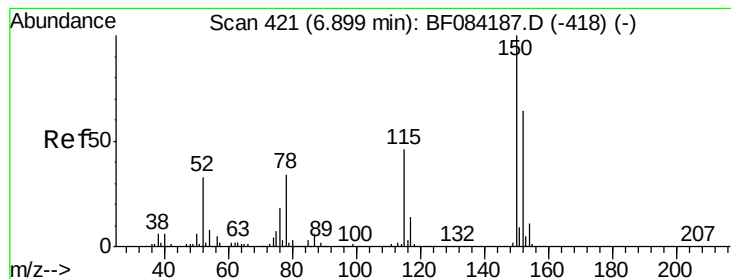
Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
 Data File : BF084449.D
 Acq On : 13 Jan 2016 18:50
 Operator : SJ/UM
 Sample : H1108-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-9004

Quant Time: Jan 14 11:11:58 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	240593	20.00	ng	-0.07
21) Naphthalene-d8	8.12	136	1017430	20.00	ng	-0.07
38) Acenaphthene-d10	9.87	164	494520	20.00	ng	-0.08
63) Phenanthrene-d10	11.36	188	927501	20.00	ng	-0.07
75) Chrysene-d12	13.99	240	759633	20.00	ng	-0.08
86) Perylene-d12	15.41	264	554454	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	2009782	135.11	ng	-0.04
7) Phenol-d6	6.48	99	2717426	145.46	ng	-0.06
23) Nitrobenzene-d5	7.40	82	1796415	98.27	ng	-0.07
41) 2,4,6-Tribromophenol	10.66	330	653305	130.85	ng	-0.08
44) 2-Fluorobiphenyl	9.20	172	2424295	86.34	ng	-0.07
78) Terphenyl-d14	12.94	244	2413921	70.93	ng	-0.07
Target Compounds						
15) Benzyl Alcohol	6.99	79	32978	2.10	ng	# 41
32) Benzoic acid	7.90	122	3324	6.51	ng	# 9
35) Caprolactam	8.54	113	27751	5.79	ng	# 1
49) Dimethylphthalate	9.60	163	663205	18.76	ng	# 91
54) Dibenzofuran	10.06	168	1687	Below Cal	#	3
56) 2,4-Dinitrotoluene	9.87	165	65760	6.70	ng	# 22
57) Fluorene	10.42	166	1321	Below Cal	#	22
60) 4-Chlorophenyl-phenylether	10.36	204	217	Below Cal	#	1
64) 4,6-Dinitro-2-methylphenol	10.66	198	1679	6.64	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	38787	3.89	ng	# 1
73) Di-n-butylphthalate	11.92	149	11159	Below Cal	#	91
83) Bis(2-ethylhexyl)phthalate	13.99	149	76722	2.35	ng	# 93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.07 min

Lab File: BF084449.D

Acq: 13 Jan 2016 18:50

Instrument :

BNA_F

ClientSampleId :

S8-9004

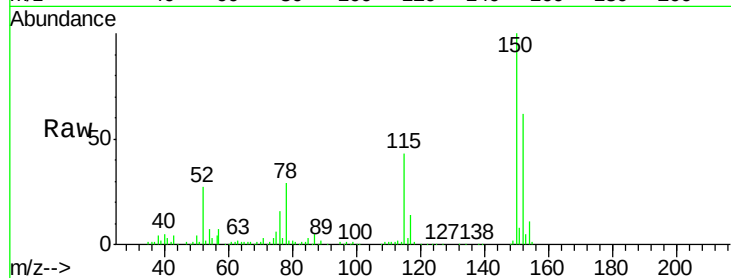
Tot Ion:152 Resp: 240593

Ion Ratio Lower Upper

152 100

150 160.1 123.0 184.4

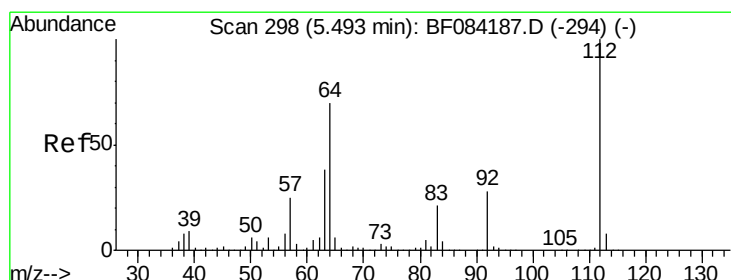
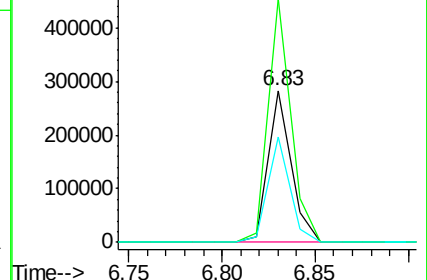
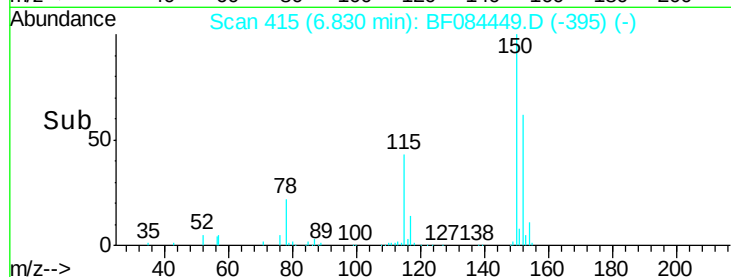
115 69.5 51.4 77.2



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: 135.11 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.04 min

Lab File: BF084449.D

Acq: 13 Jan 2016 18:50

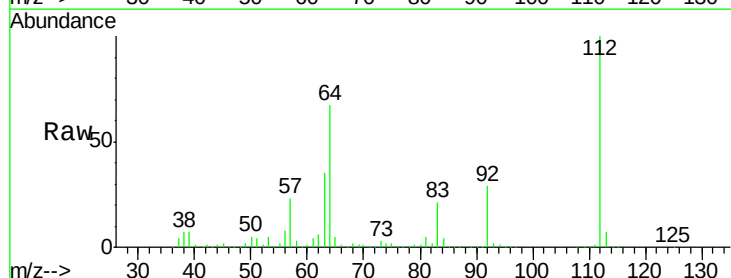
Tgt Ion:112 Resp: 2009782

Ion Ratio Lower Upper

112 100

64 67.3 36.6 55.0#

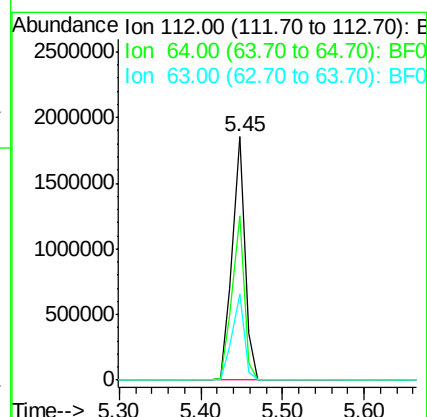
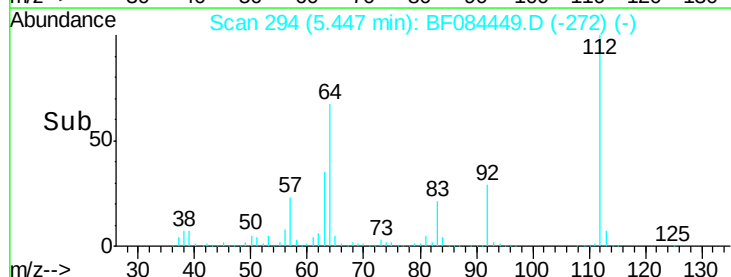
63 35.2 19.4 29.0#

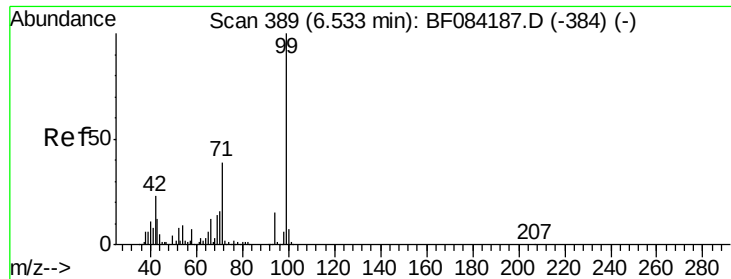


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 145.46 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.06 min

Lab File: BF084449.D

Acq: 13 Jan 2016 18:50

Instrument :

BNA_F

ClientSampleId :

S8-9004

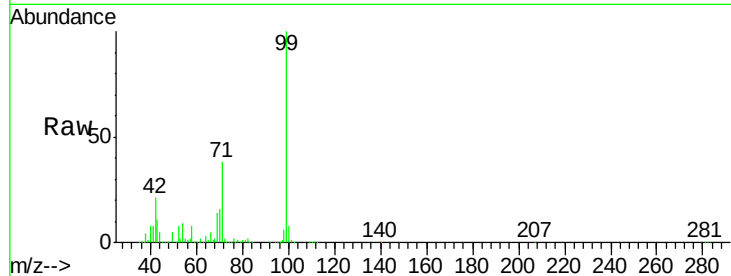
Tot Ion: 99 Resp: 2717426

Ion Ratio Lower Upper

99 100

42 20.8 12.8 19.2#

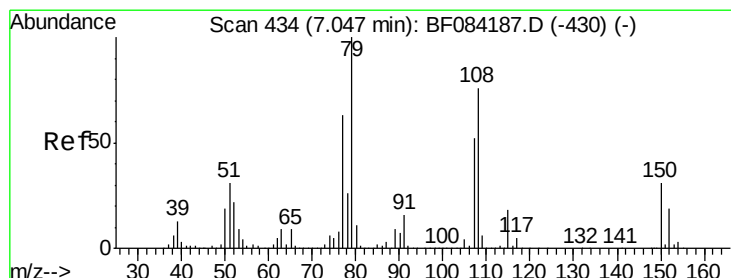
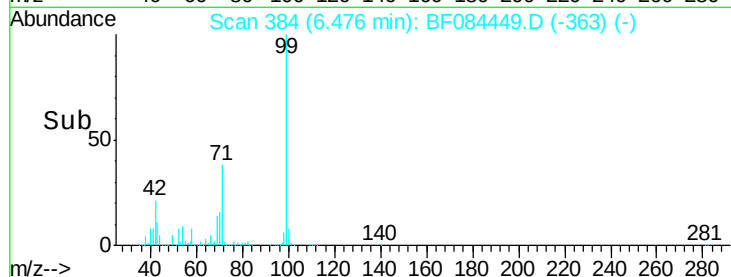
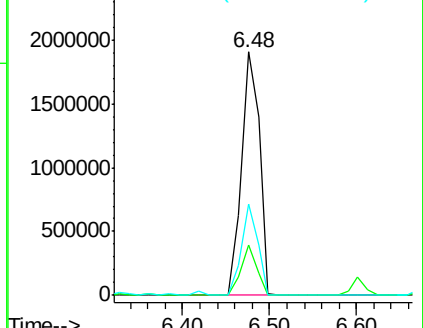
71 37.6 30.9 46.3



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



#15

Benzyl Alcohol

Concen: 2.10 ng

RT: 6.99 min Scan# 429

Delta R.T. -0.06 min

Lab File: BF084449.D

Acq: 13 Jan 2016 18:50

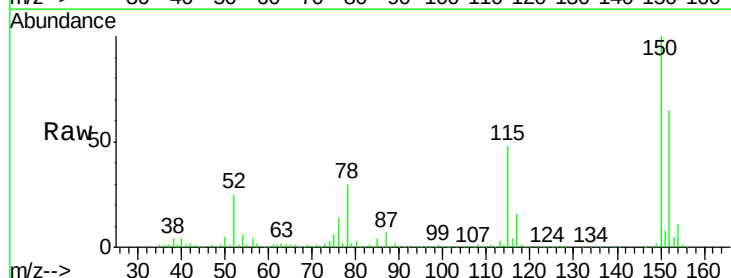
Tgt Ion: 79 Resp: 32978

Ion Ratio Lower Upper

79 100

108 29.0 69.0 103.4#

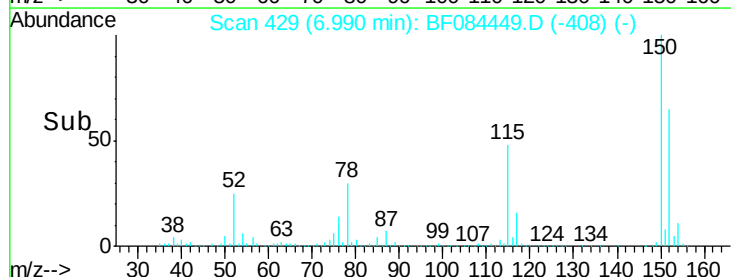
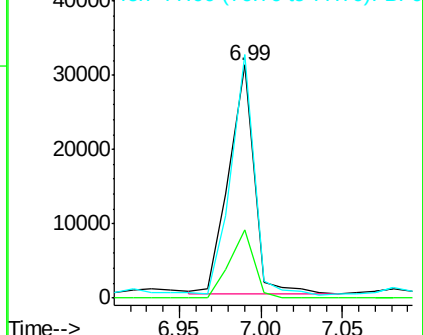
77 104.4 50.0 75.0#

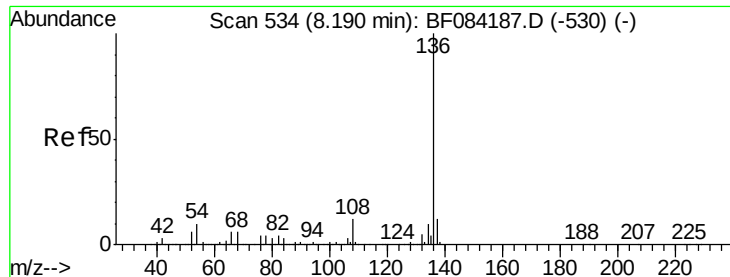


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.07 min

Lab File: BF084449.D

Acq: 13 Jan 2016 18:50

Instrument :

BNA_F

ClientSampleId :

S8-9004

Tot Ion:136 Resp: 1017430

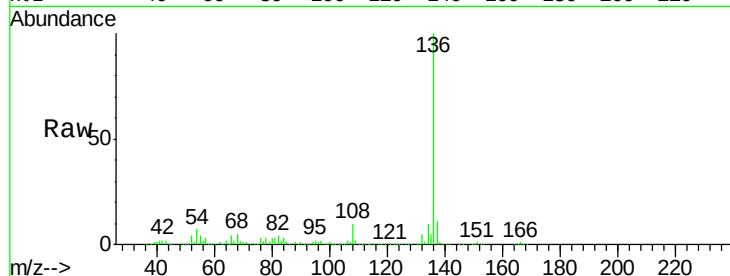
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 7.3 5.8 8.8

68 5.2 4.2 6.2

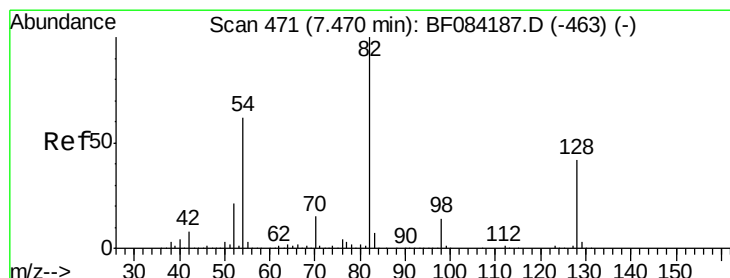
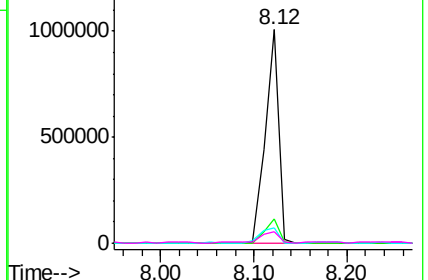
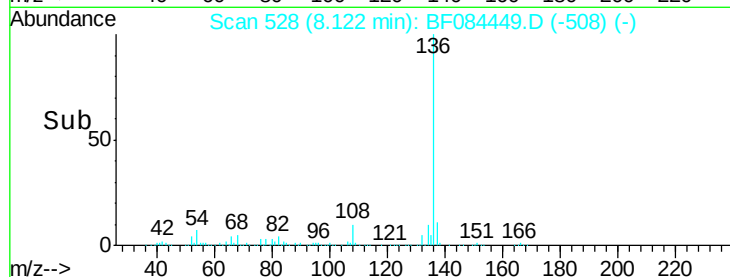


Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.27 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.07 min

Lab File: BF084449.D

Acq: 13 Jan 2016 18:50

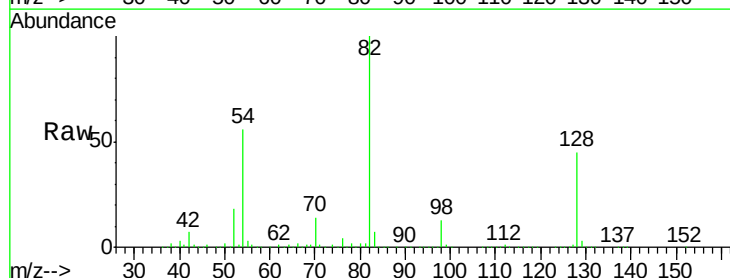
Tgt Ion: 82 Resp: 1796415

Ion Ratio Lower Upper

82 100

128 45.4 34.6 51.8

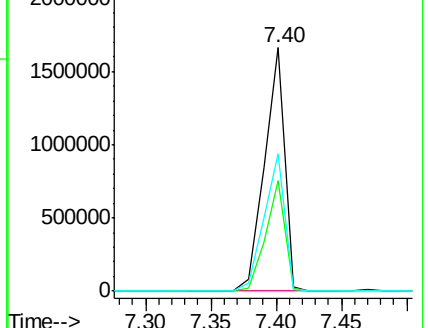
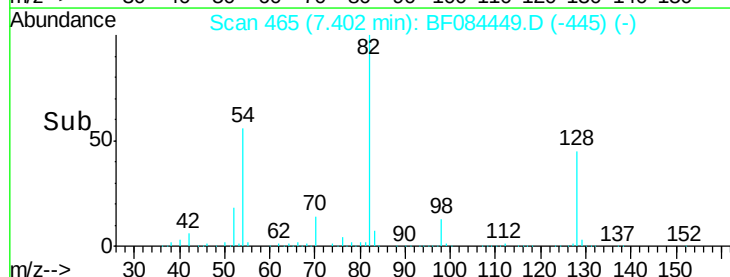
54 56.4 38.4 57.6

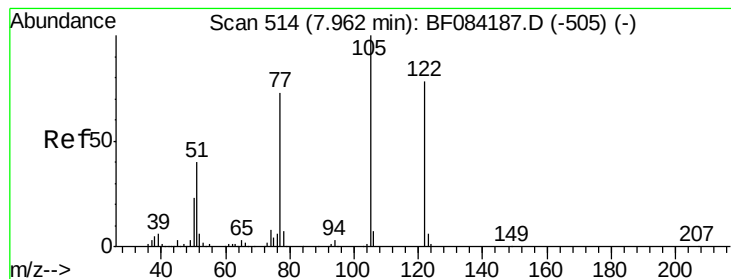


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 6.51 ng

RT: 7.90 min Scan# 509

Delta R.T. -0.06 min

Lab File: BF084449.D

Acq: 13 Jan 2016 18:50

Instrument :

BNA_F

ClientSampled :

S8-9004

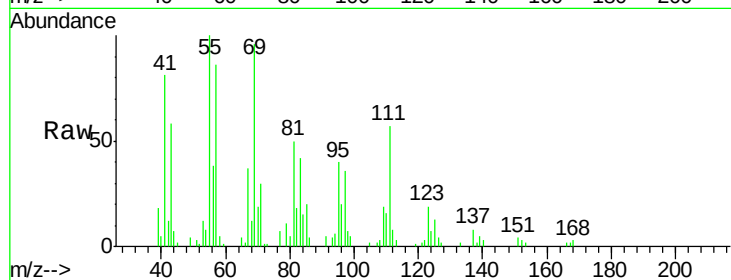
Tot Ion:122 Resp: 3324

Ion Ratio Lower Upper

122 100

105 72.0 100.3 140.3#

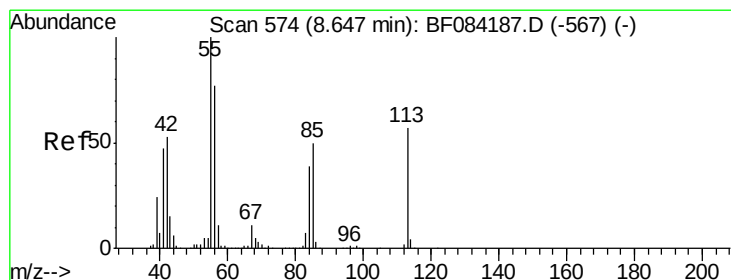
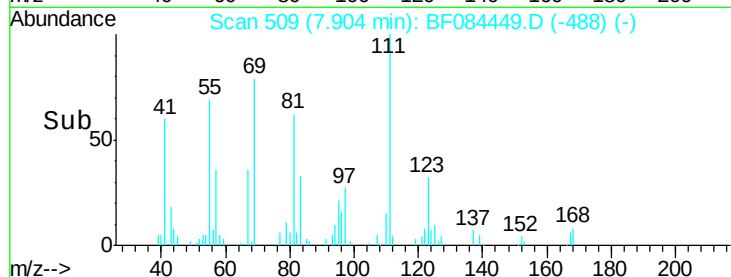
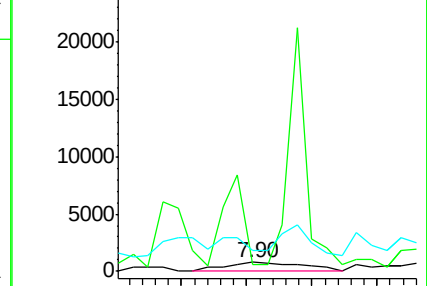
77 228.0 63.5 103.5#



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



#35

Caprolactam

Concen: 5.79 ng

RT: 8.54 min Scan# 565

Delta R.T. -0.10 min

Lab File: BF084449.D

Acq: 13 Jan 2016 18:50

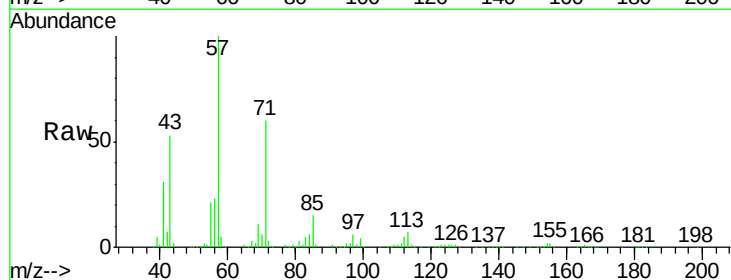
Tgt Ion:113 Resp: 27751

Ion Ratio Lower Upper

113 100

55 301.3 116.9 156.9#

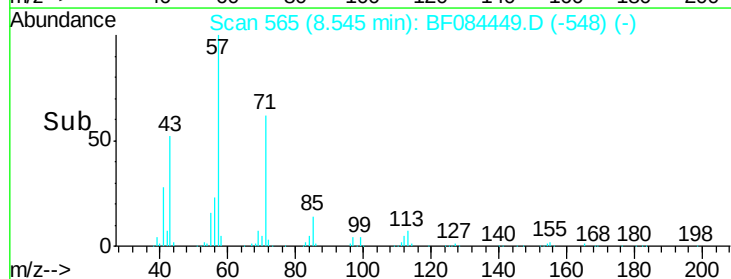
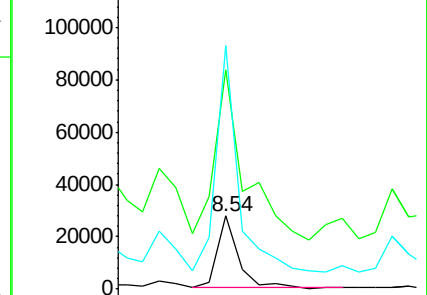
56 334.4 93.8 133.8#

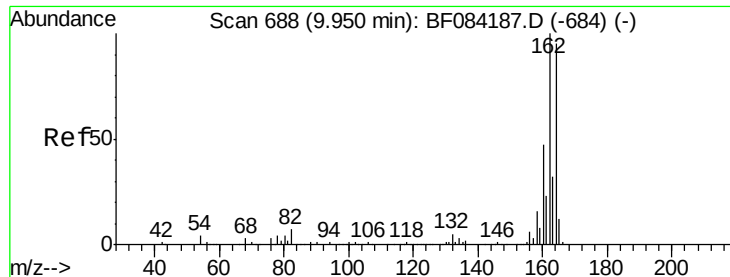


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.08 min

Lab File: BF084449.D

Acq: 13 Jan 2016 18:50

Instrument :

BNA_F

ClientSampleId :

S8-9004

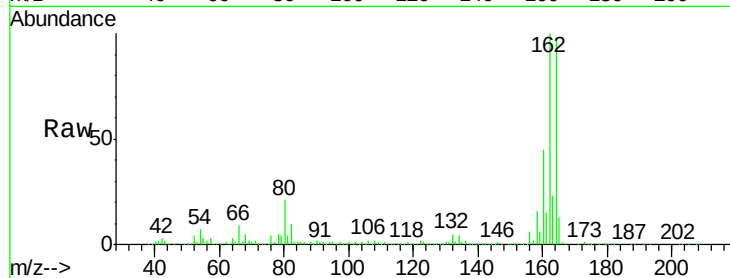
Tot Ion:164 Resp: 494520

Ion Ratio Lower Upper

164 100

162 102.6 85.1 127.7

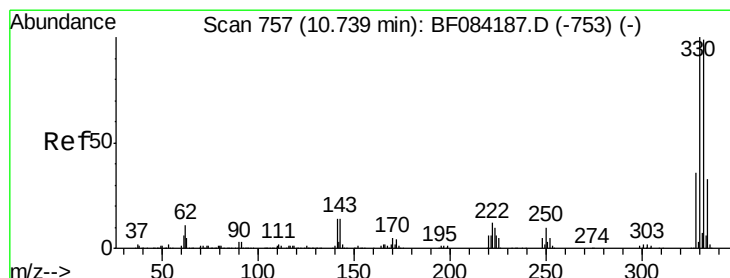
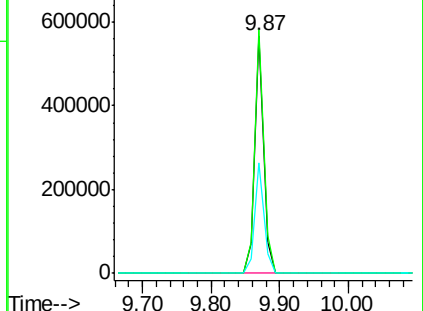
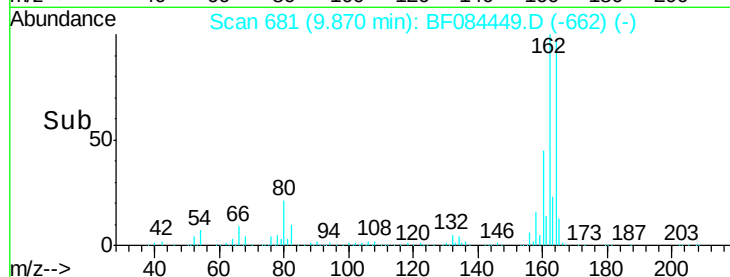
160 46.7 37.5 56.3



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: 130.85 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.08 min

Lab File: BF084449.D

Acq: 13 Jan 2016 18:50

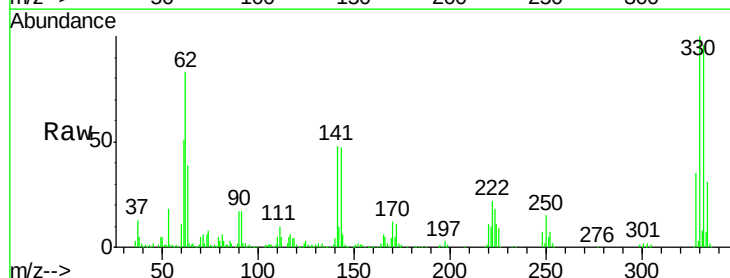
Tgt Ion:330 Resp: 653305

Ion Ratio Lower Upper

330 100

332 98.3 76.6 114.8

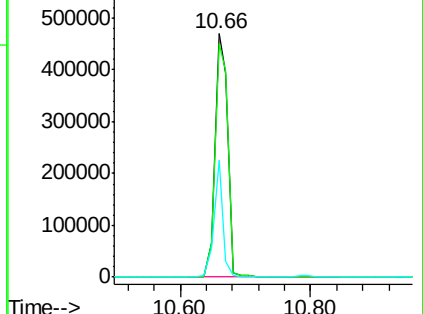
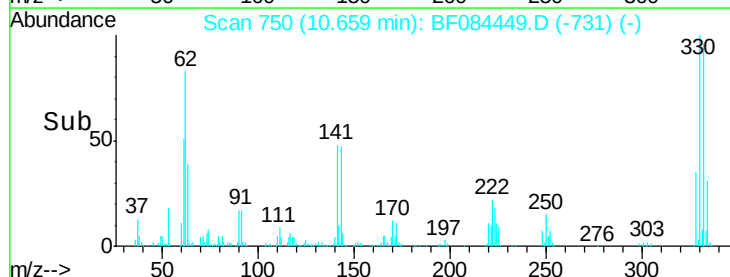
141 33.5 27.8 41.6

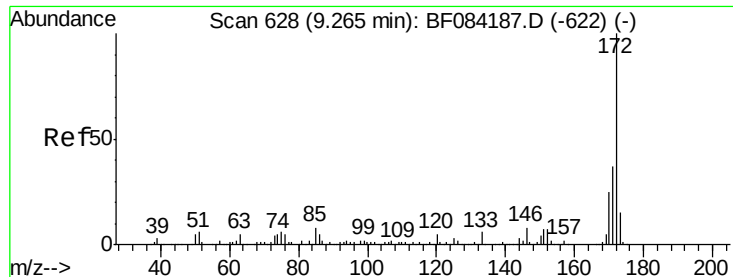


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

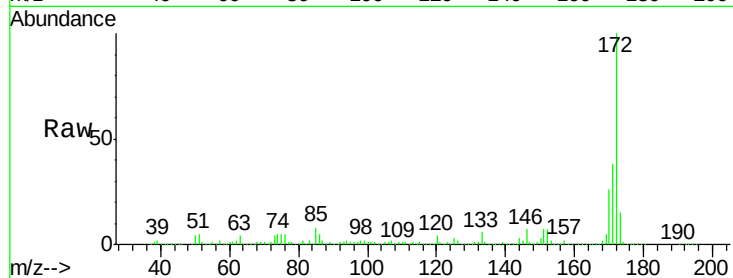




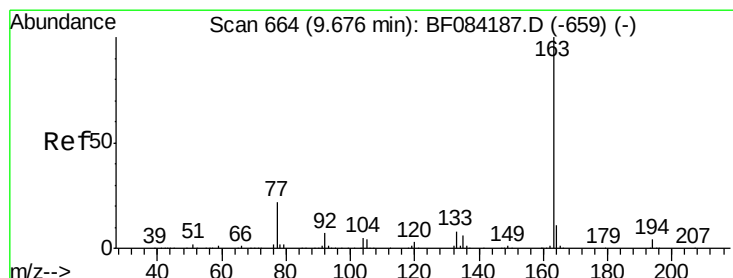
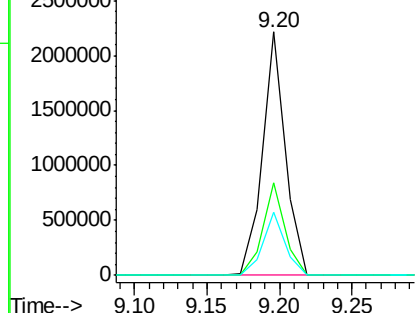
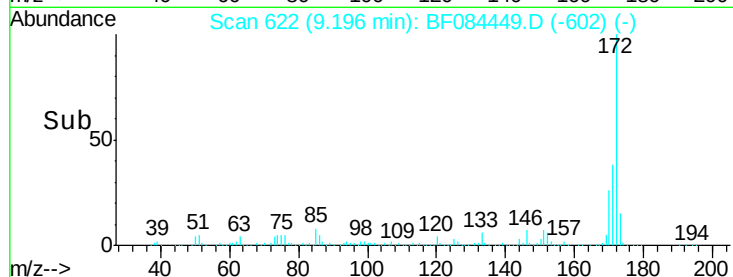
#44
2-Fluorobiphenyl
Concen: 86.34 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.07 min
Lab File: BF084449.D
Acq: 13 Jan 2016 18:50

Instrument :
BNA_F
ClientSampleId :
S8-9004

Tot Ion:172 Resp: 2424295
Ion Ratio Lower Upper
172 100
171 38.2 28.9 43.3
170 26.1 18.6 27.8

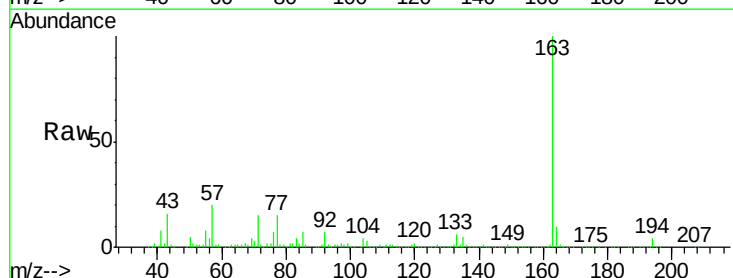


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

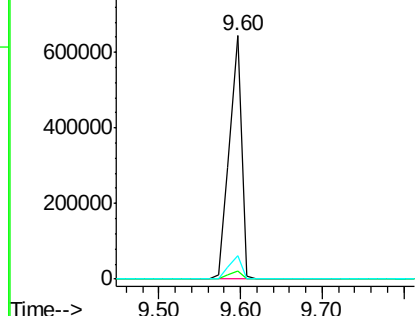
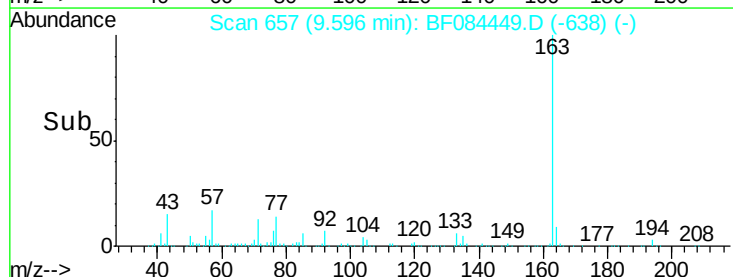


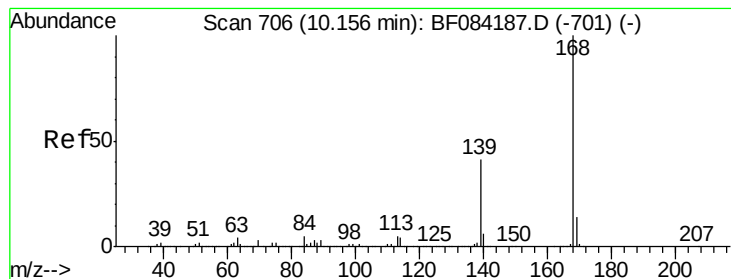
#49
Dimethylphthalate
Concen: 18.76 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.08 min
Lab File: BF084449.D
Acq: 13 Jan 2016 18:50

Tgt Ion:163 Resp: 663205
Ion Ratio Lower Upper
163 100
194 3.5 8.0 12.0#
164 9.5 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: 10.06 min Scan# 698

Delta R.T. -0.09 min

Lab File: BF084449.D

Acq: 13 Jan 2016 18:50

Instrument :

BNA_F

ClientSampleId :

S8-9004

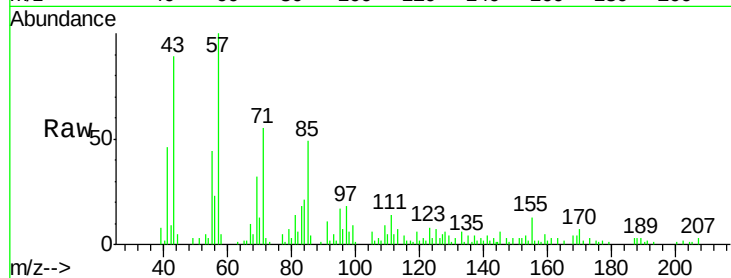
Tot Ion:168 Resp: 1687

Ion Ratio Lower Upper

168 100

139 77.9 30.5 45.7#

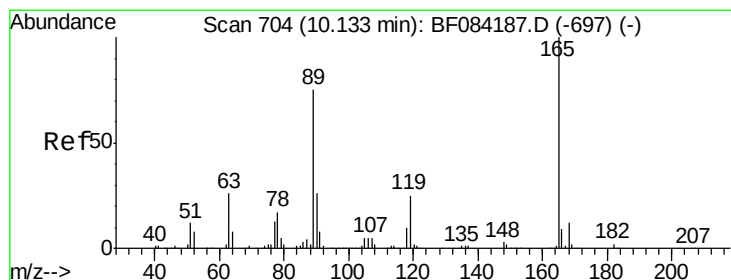
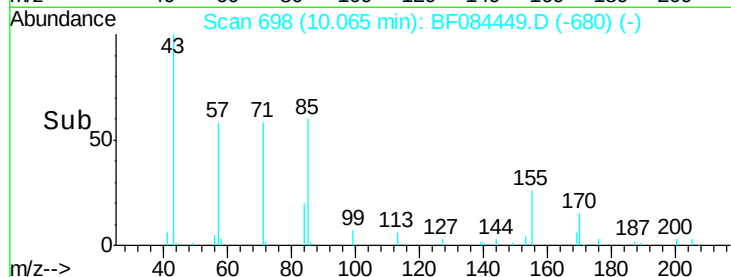
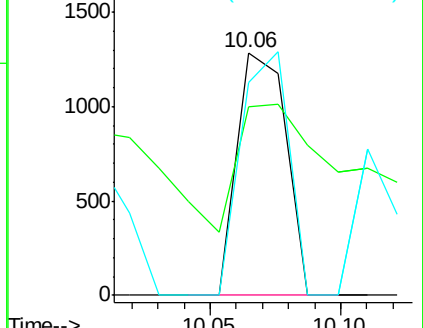
169 87.8 10.4 15.6#



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: 6.70 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.26 min

Lab File: BF084449.D

Acq: 13 Jan 2016 18:50

Tgt Ion:165 Resp: 65760

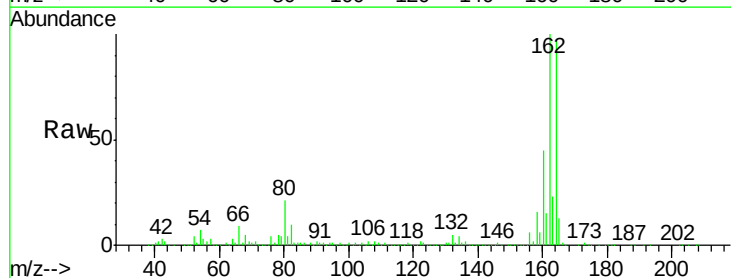
Ion Ratio Lower Upper

165 100

63 1.7 36.7 55.1#

89 1.7 61.9 92.9#

182 0.7 2.0 3.0#

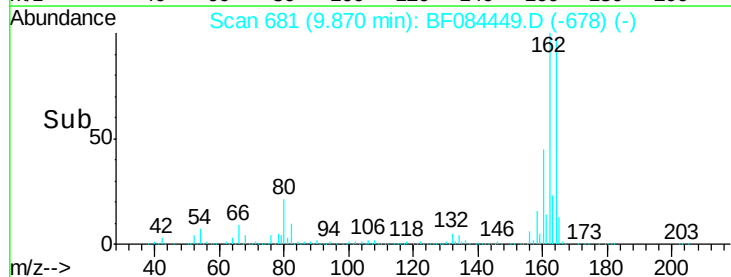
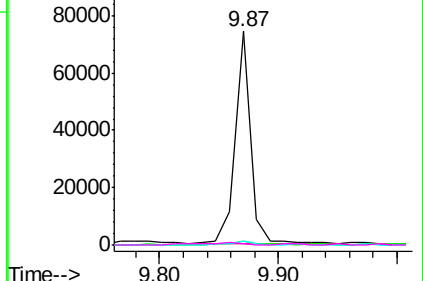


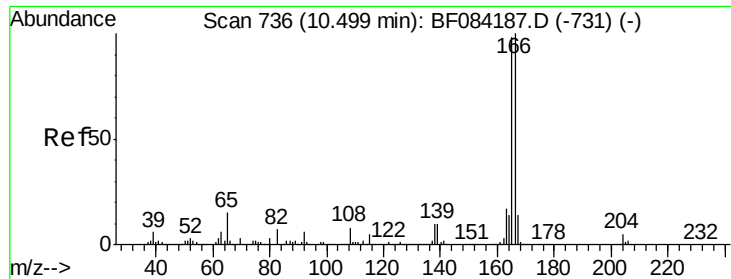
Abundance Ion 165.00 (164.70 to 165.70): E

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

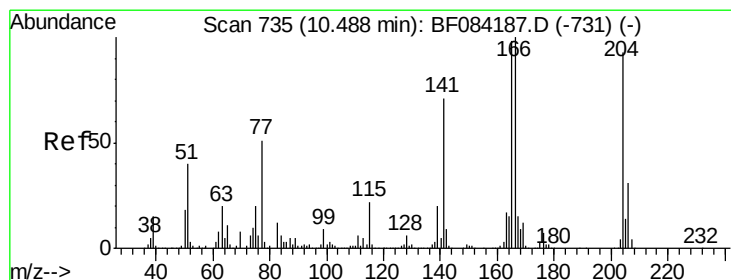
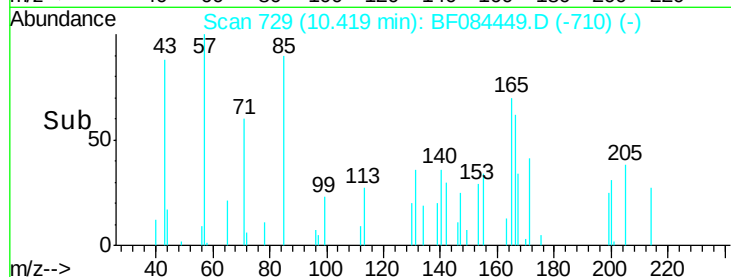
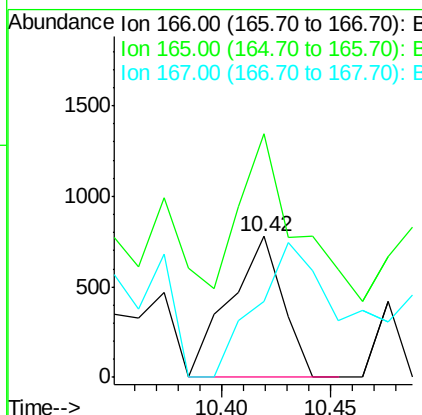
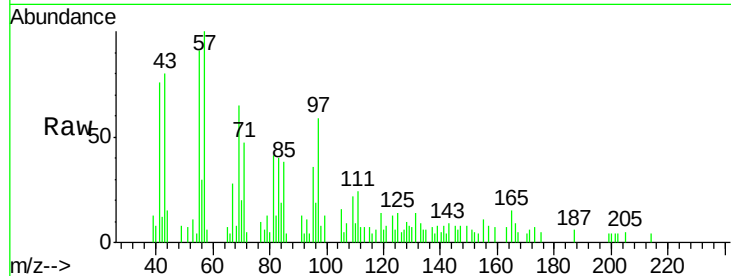




#57
 Fluorene
 Concen: Below Cal
 RT: 10.42 min Scan# 729
 Delta R.T. -0.08 min
 Lab File: BF084449.D
 Acq: 13 Jan 2016 18:50

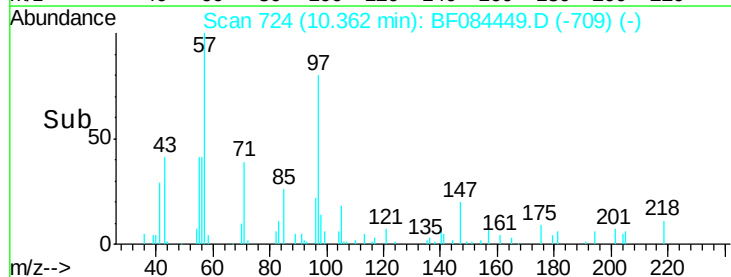
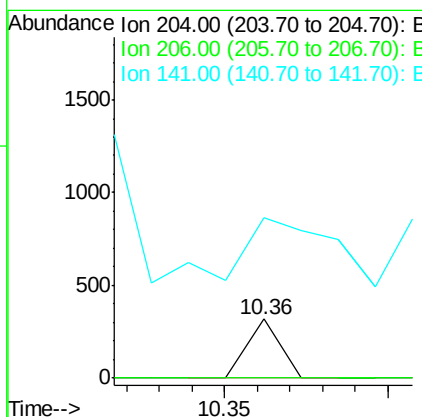
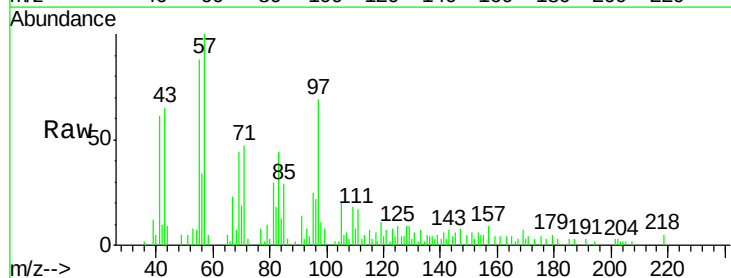
Instrument :
 BNA_F
 ClientSampled :
 S8-9004

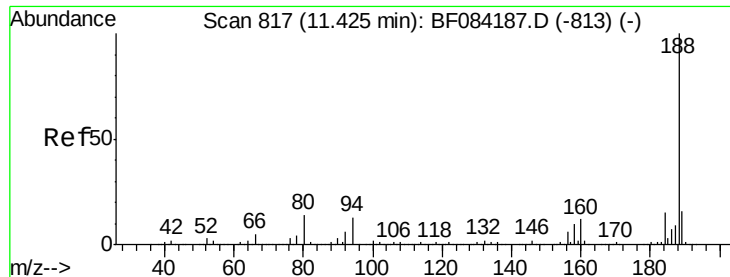
Tot Ion:166 Resp: 1321
 Ion Ratio Lower Upper
 166 100
 165 172.7 79.1 118.7#
 167 53.9 10.4 15.6#



#60
 4-Chlorophenyl-phenylether
 Concen: Below Cal
 RT: 10.36 min Scan# 724
 Delta R.T. -0.13 min
 Lab File: BF084449.D
 Acq: 13 Jan 2016 18:50

Tgt Ion:204 Resp: 217
 Ion Ratio Lower Upper
 204 100
 206 0.0 25.7 38.5#
 141 273.5 55.1 82.7#

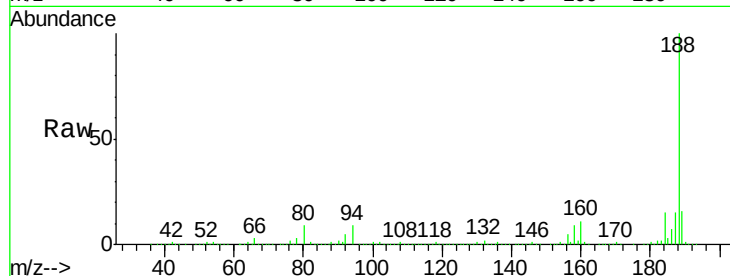




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.07 min
 Lab File: BF084449.D
 Acq: 13 Jan 2016 18:50

Instrument :
 BNA_F
 ClientSampled :
 S8-9004

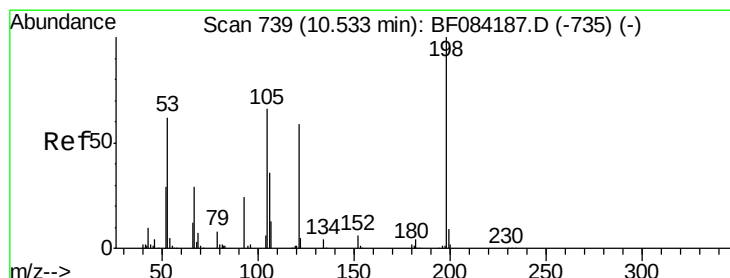
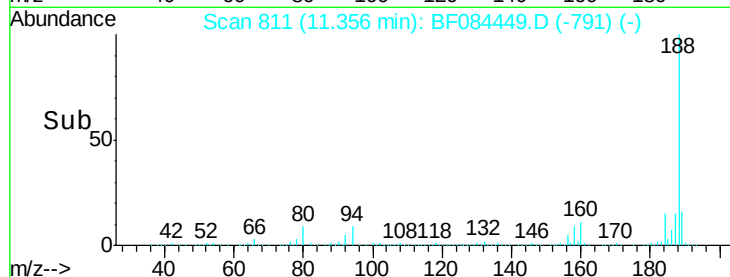
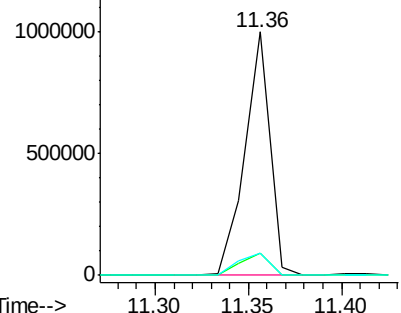
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.1	9.0	13.4
80	9.3	9.6	14.4#



Abundance Ion 188.00 (187.70 to 188.70): E

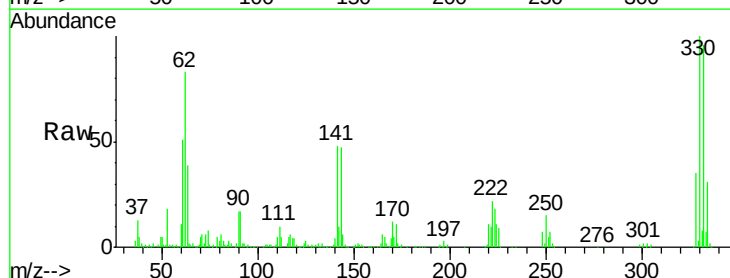
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.64 ng
 RT: 10.66 min Scan# 750
 Delta R.T. 0.13 min
 Lab File: BF084449.D
 Acq: 13 Jan 2016 18:50

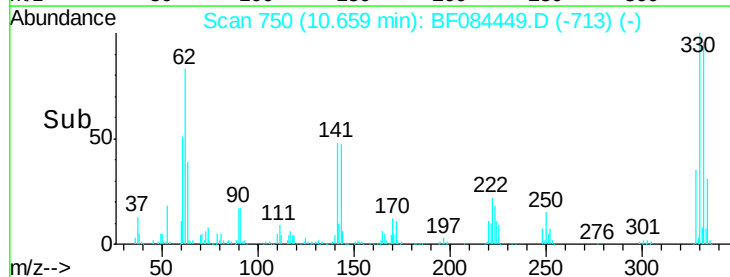
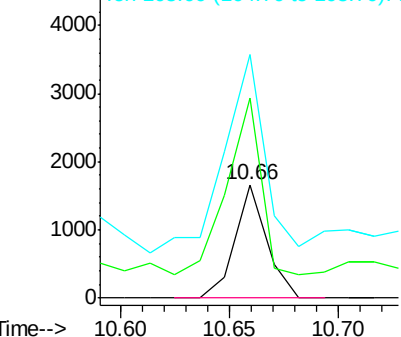
Tgt Ion	Ratio	Lower	Upper
198	100		
51	177.1	18.9	58.9#
105	215.4	26.4	66.4#

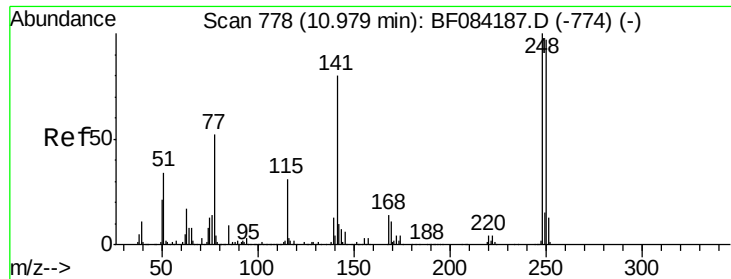


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

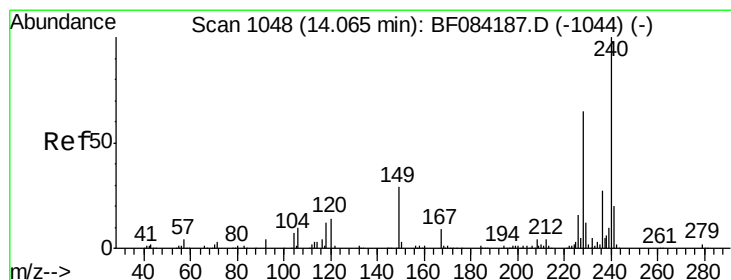
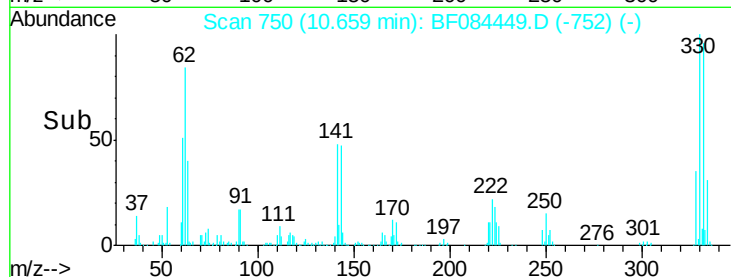
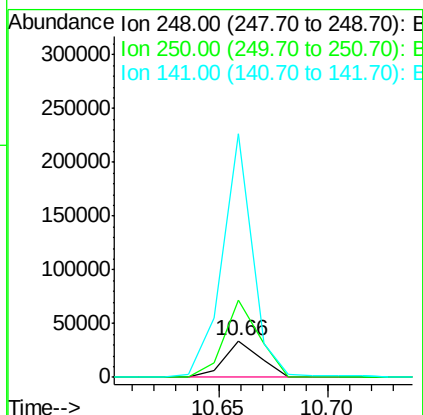
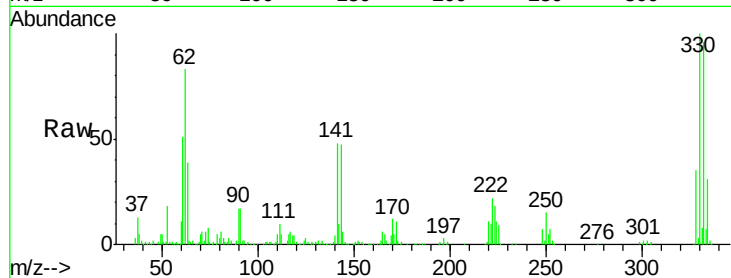




#66
 4-Bromophenyl-phenylether
 Concen: 3.89 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.32 min
 Lab File: BF084449.D
 Acq: 13 Jan 2016 18:50

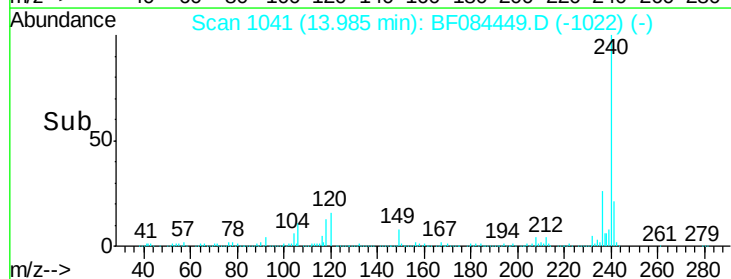
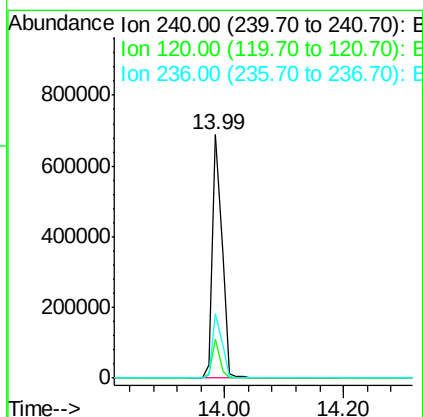
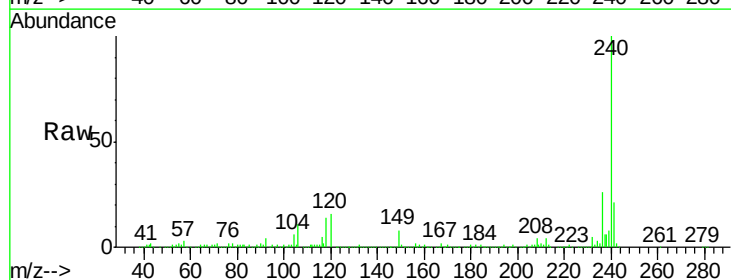
Instrument :
 BNA_F
 ClientSampleId :
 S8-9004

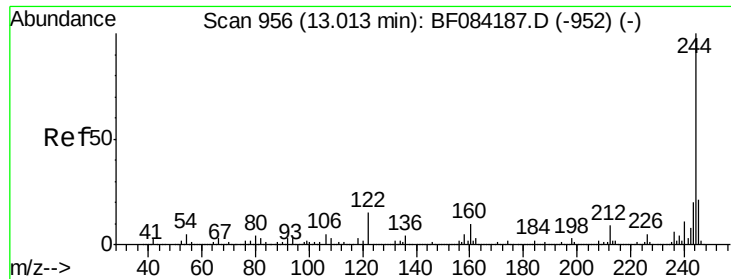
Tot Ion:248 Resp: 38787
 Ion Ratio Lower Upper
 248 100
 250 213.3 78.4 117.6#
 141 667.4 44.0 66.0#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.08 min
 Lab File: BF084449.D
 Acq: 13 Jan 2016 18:50

Tgt Ion:240 Resp: 759633
 Ion Ratio Lower Upper
 240 100
 120 15.9 9.5 14.3#
 236 26.5 20.6 31.0





#78

Terphenyl-d14

Concen: 70.93 ng

RT: 12.94 min Scan# 950

Delta R.T. -0.07 min

Lab File: BF084449.D

Acq: 13 Jan 2016 18:50

Instrument :

BNA_F

ClientSampleId :

S8-9004

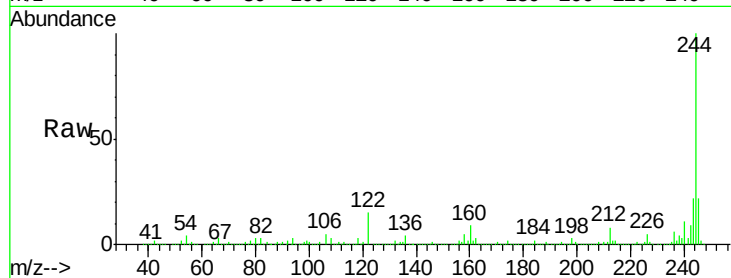
Tot Ion:244 Resp: 2413921

Ion Ratio Lower Upper

244 100

212 8.2 5.7 8.5

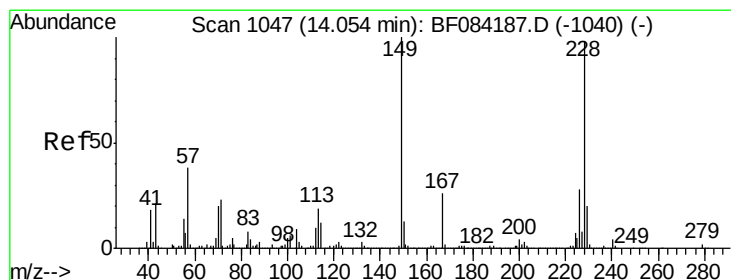
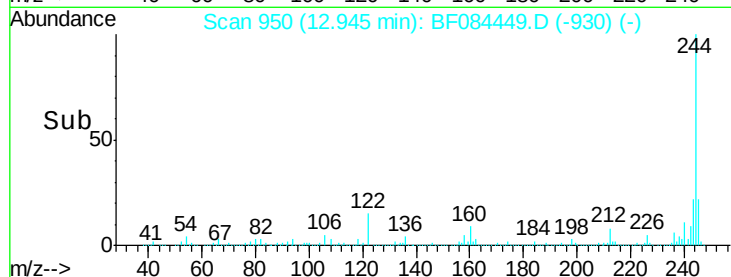
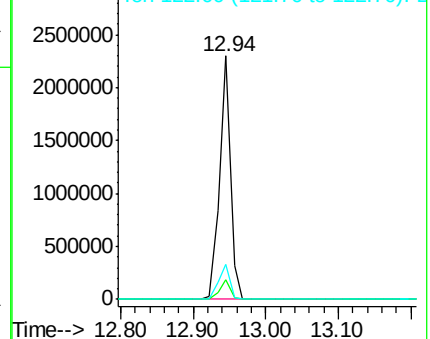
122 14.5 7.4 11.0#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.35 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.07 min

Lab File: BF084449.D

Acq: 13 Jan 2016 18:50

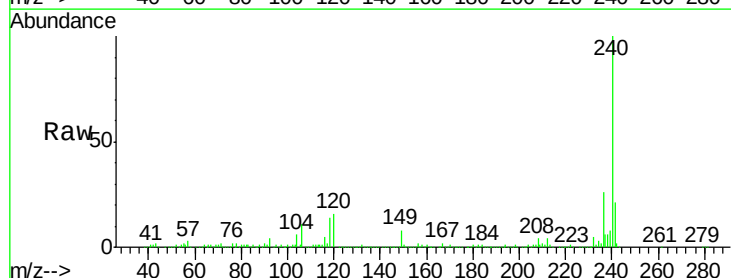
Tgt Ion:149 Resp: 76722

Ion Ratio Lower Upper

149 100

167 28.1 19.7 29.5

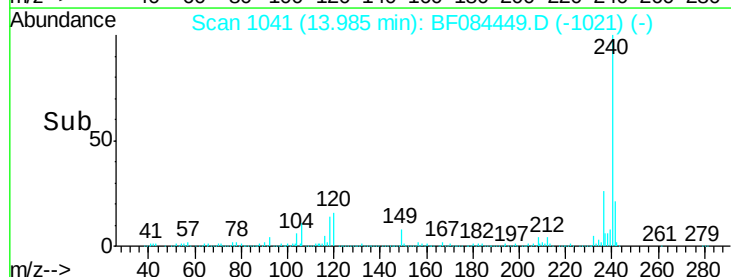
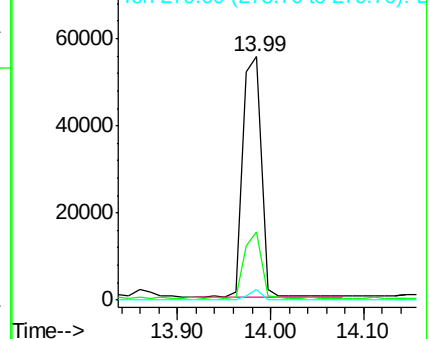
279 4.6 1.8 2.6#

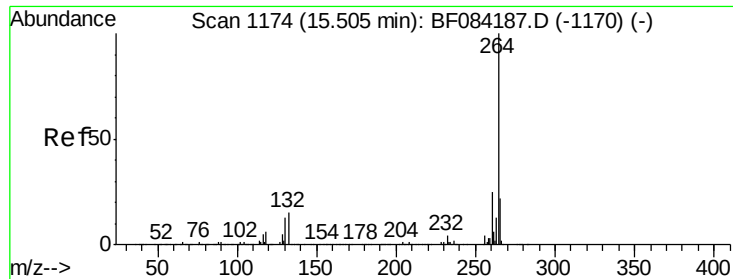


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

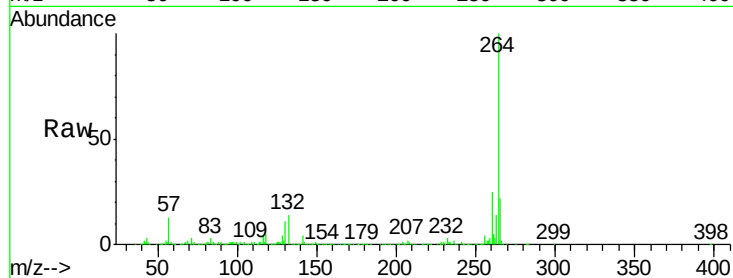




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.09 min
Lab File: BF084449.D
Acq: 13 Jan 2016 18:50

Instrument :
BNA_F
ClientSampleId :
S8-9004

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	22.0	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

