

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042817\
 Data File : BF094705.D
 Acq On : 29 Apr 2017 1:01
 Operator : SJ/MA
 Sample : I2859-05DL 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 29 03:54:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	98313	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	362468	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	147239	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	235833	20.00	ng	0.00
75) Chrysene-d12	14.47	240	203632	20.00	ng	0.00
86) Perylene-d12	16.10	264	162817	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	39590	6.68	ng	0.03
7) Phenol-d6	5.40	99	31124	4.46	ng	0.00
23) Nitrobenzene-d5	6.41	82	67632	11.52	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	16480	14.31	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	134615	13.45	ng	0.00
78) Terphenyl-d14	13.20	244	92334	12.12	ng	0.00

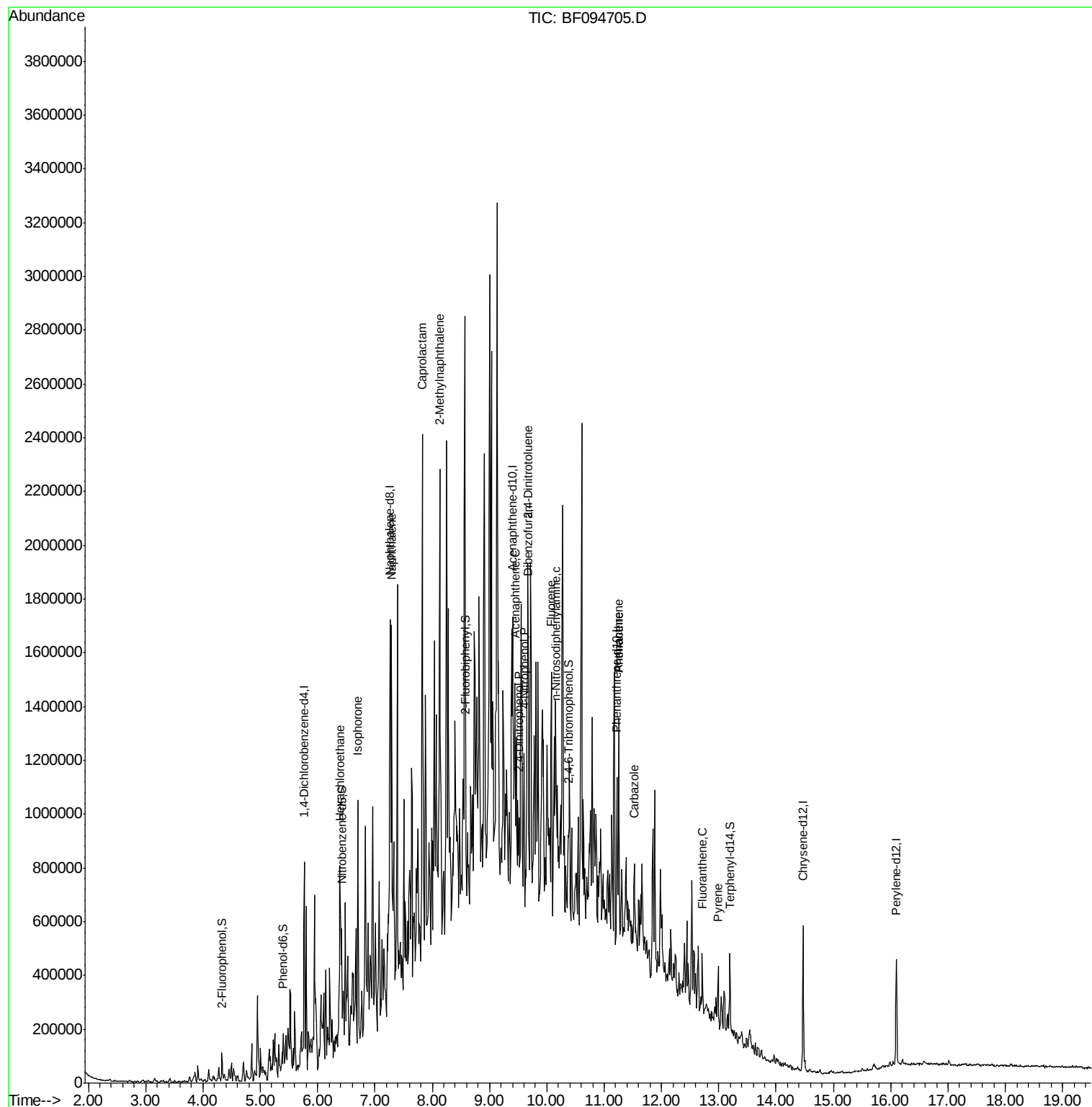
Target Compounds						Qvalue
18) Hexachloroethane	6.38	117	40532	15.73	ng	# 1
25) Isophorone	6.70	82	29778	2.74	ng	# 1
31) Naphthalene	7.29	128	324127	18.60	ng	99
35) Caprolactam	7.83	113	44672	28.34	ng	# 64
37) 2-Methylnaphthalene	8.14	142	482926	40.51	ng	98
51) Acenaphthene	9.44	154	48765	5.46	ng	93
53) 2,4-Dinitrophenol	9.52	184	292	5.96	ng	# 1
54) Dibenzofuran	9.66	168	63713	4.91	ng	# 67
55) 4-Nitrophenol	9.60	139	6476	3.22	ng	# 47
56) 2,4-Dinitrotoluene	9.67	165	20718	6.86	ng	# 54
57) Fluorene	10.08	166	106674	10.55	ng	# 92
65) n-Nitrosodiphenylamine	10.14	169	126200	15.39	ng	97
70) Phenanthrene	11.25	178	359252	27.05	ng	98
71) Anthracene	11.25	178	359252	26.15	ng	99
72) Carbazole	11.52	167	88700	6.88	ng	# 92
74) Fluoranthene	12.71	202	92484	6.72	ng	99
77) Pyrene	12.99	202	87968	6.18	ng	97

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

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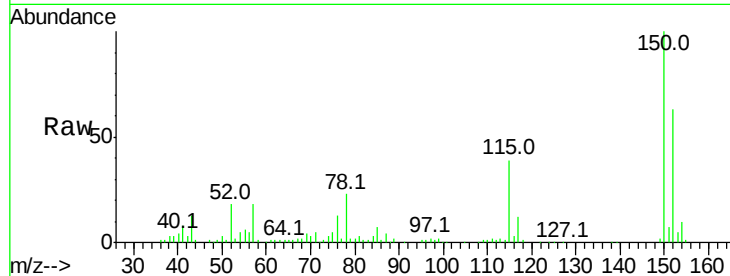


#1

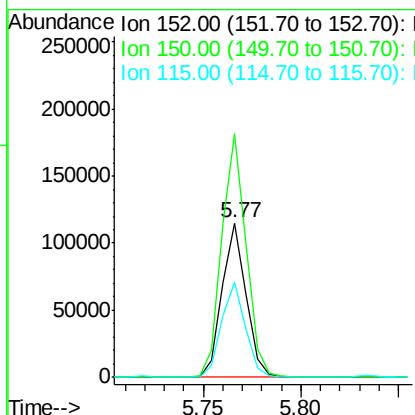
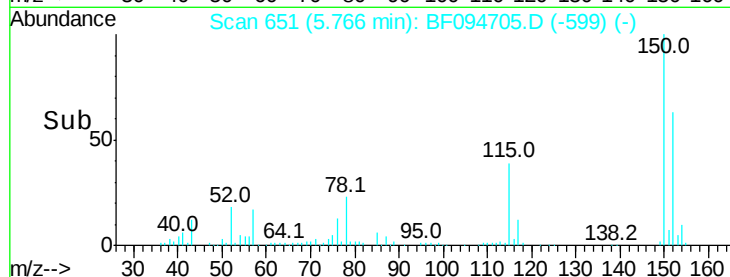
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 651
Delta R.T. 0.00 min
Lab File: BF094705.D
Acq: 29 Apr 2017 1:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 98313
Ion Ratio Lower Upper
152 100
150 158.0 126.2 189.2
115 61.5 52.2 78.2



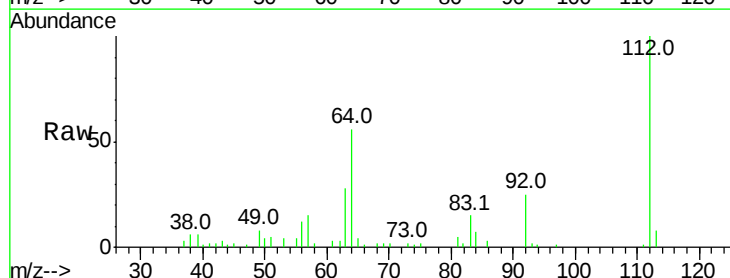
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



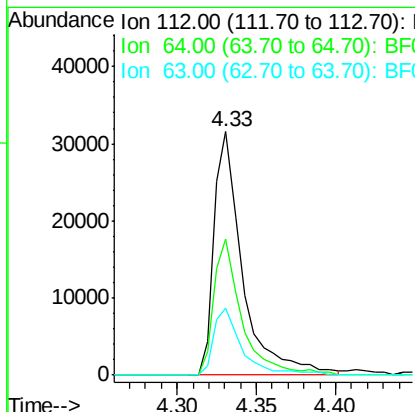
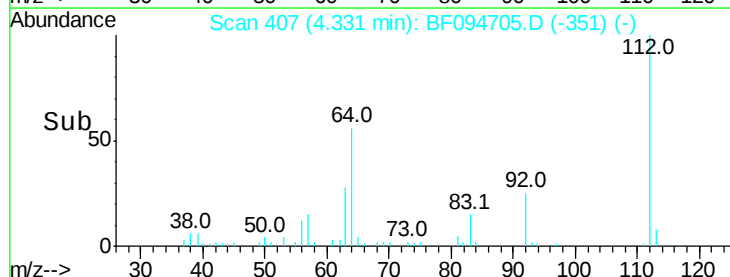
#5

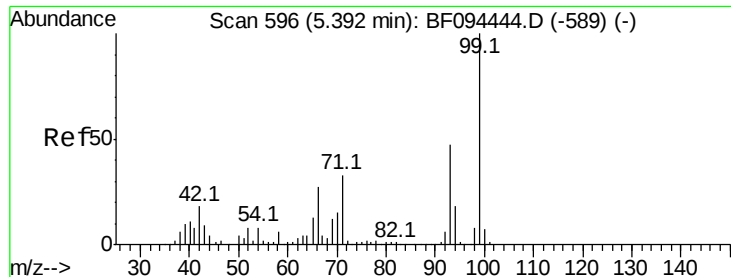
2-Fluorophenol
Concen: 6.68 ng
RT: 4.33 min Scan# 407
Delta R.T. 0.03 min
Lab File: BF094705.D
Acq: 29 Apr 2017 1:01

Tgt Ion:112 Resp: 39590
Ion Ratio Lower Upper
112 100
64 55.9 46.0 69.0
63 27.6 23.4 35.0



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: 4.46 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094705.D

Acq: 29 Apr 2017 1:01

Instrument :

BNA_F

ClientSampled :

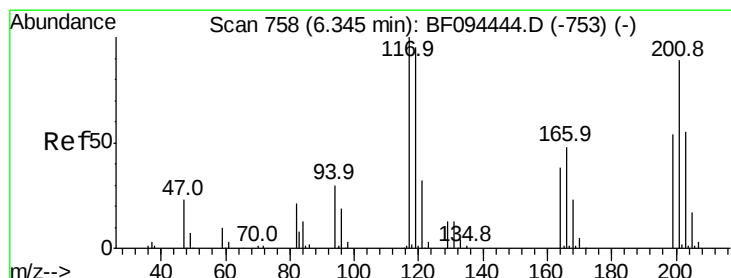
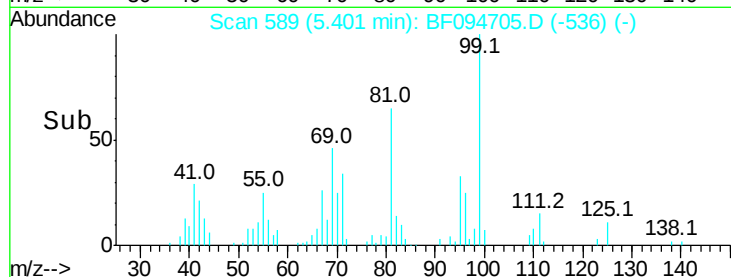
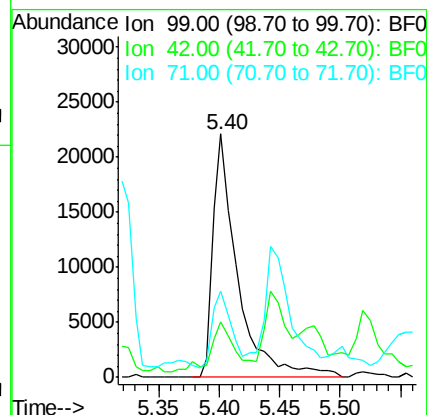
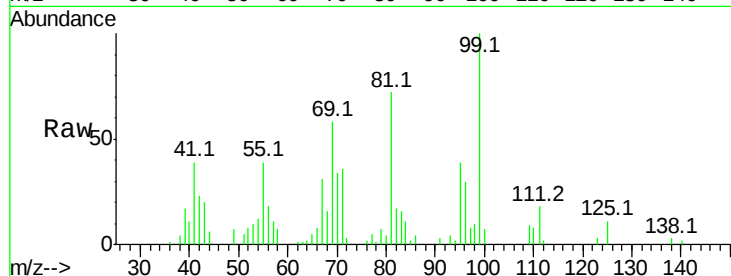
Tot Ion: 99 Resp: 31124

Ion Ratio Lower Upper

99 100

42 22.9 13.5 20.3#

71 35.6 24.5 36.7



#18

Hexachloroethane

Concen: 15.73 ng

RT: 6.38 min Scan# 756

Delta R.T. 0.04 min

Lab File: BF094705.D

Acq: 29 Apr 2017 1:01

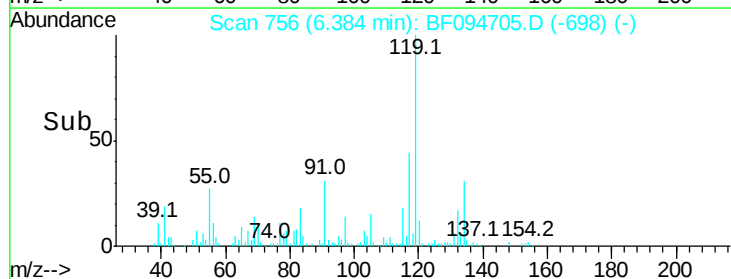
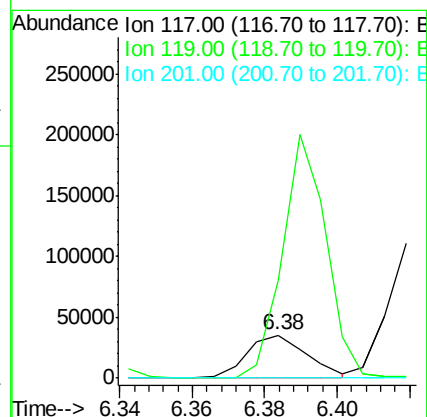
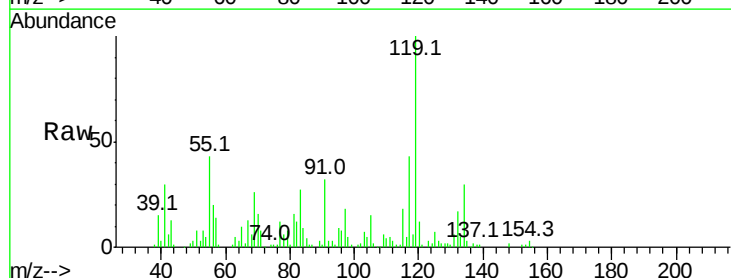
Tgt Ion: 117 Resp: 40532

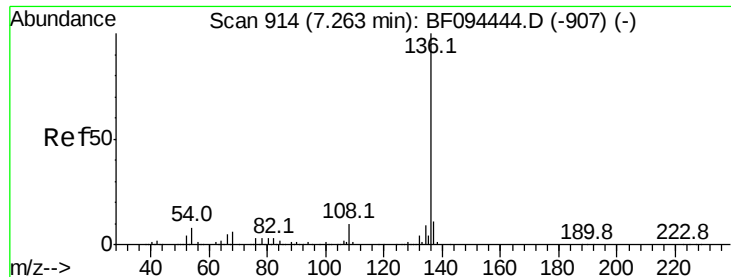
Ion Ratio Lower Upper

117 100

119 229.9 77.4 116.0#

201 0.0 94.6 141.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.26 min Scan# 905

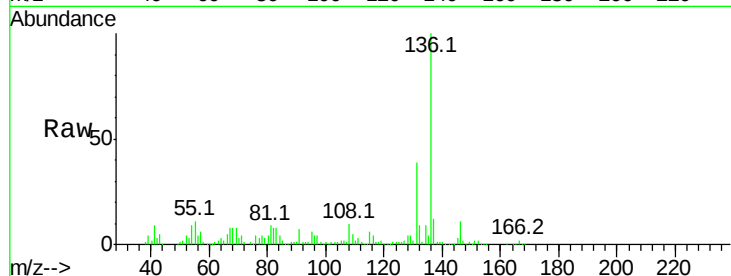
Delta R.T. -0.00 min

Lab File: BF094705.D

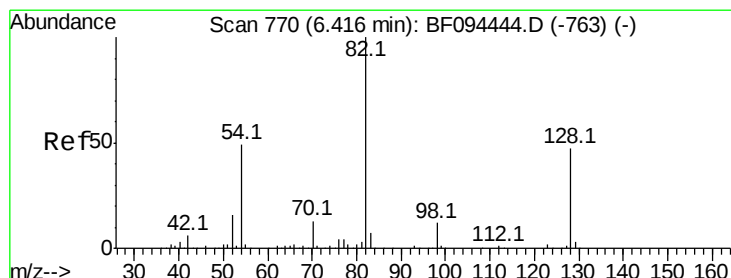
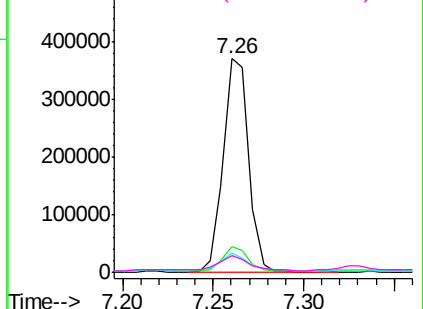
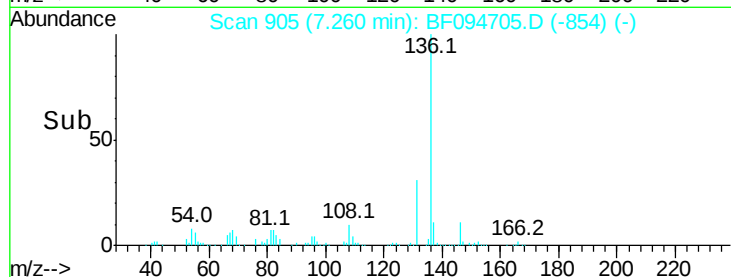
Acq: 29 Apr 2017 1:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	362468
Ion Ratio	Lower	Upper
136	100	
137	11.8	8.5 12.7
54	8.8	4.9 7.3#
68	7.7	4.1 6.1#



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: 11.52 ng

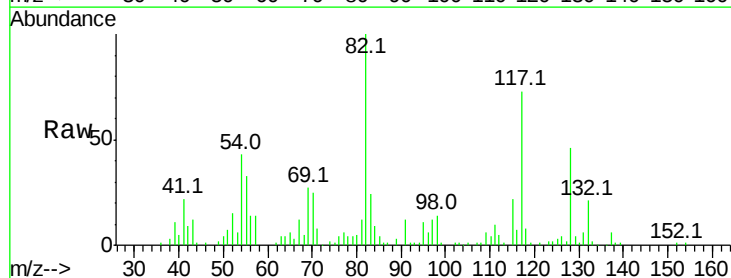
RT: 6.41 min Scan# 761

Delta R.T. -0.00 min

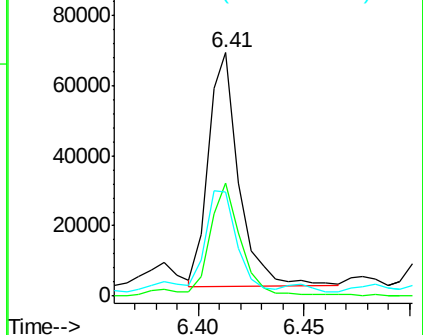
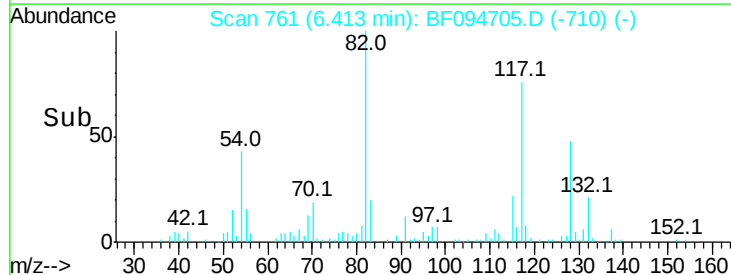
Lab File: BF094705.D

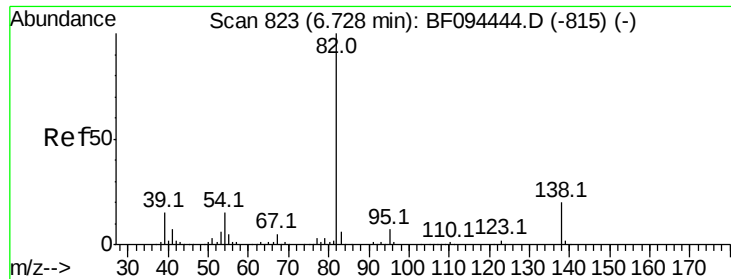
Acq: 29 Apr 2017 1:01

Tgt Ion: 82	Resp:	67632
Ion Ratio	Lower	Upper
82	100	
128	46.5	34.0 51.0
54	42.9	42.2 63.2



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: 2.74 ng

RT: 6.70 min Scan# 810

Delta R.T. -0.03 min

Lab File: BF094705.D

Acq: 29 Apr 2017 1:01

Instrument :

BNA_F

ClientSampleId :

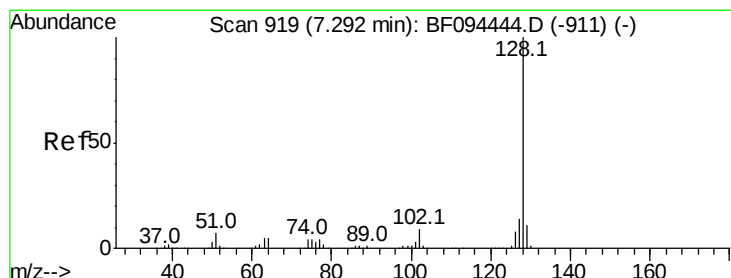
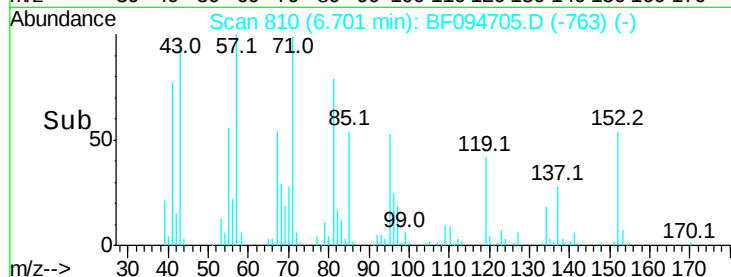
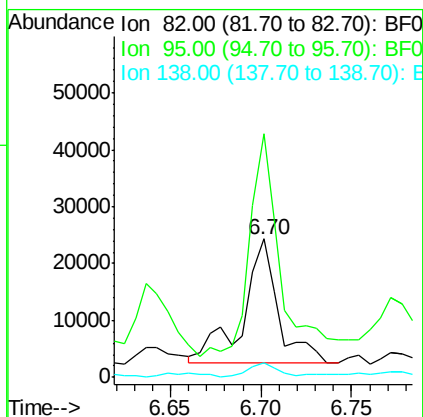
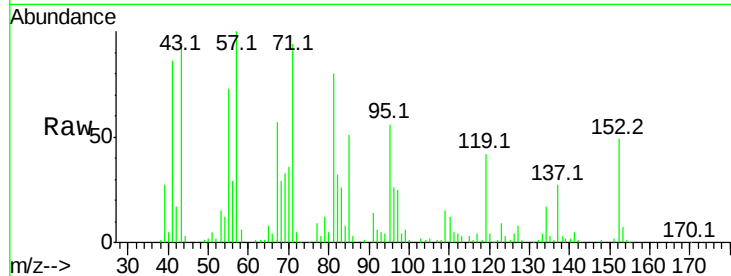
Tot Ion: 82 Resp: 29778

Ion Ratio Lower Upper

82 100

95 175.7 5.3 7.9#

138 10.3 13.1 19.7#



#31

Naphthalene

Concen: 18.60 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF094705.D

Acq: 29 Apr 2017 1:01

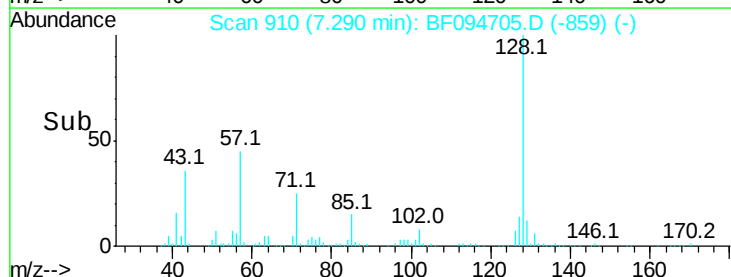
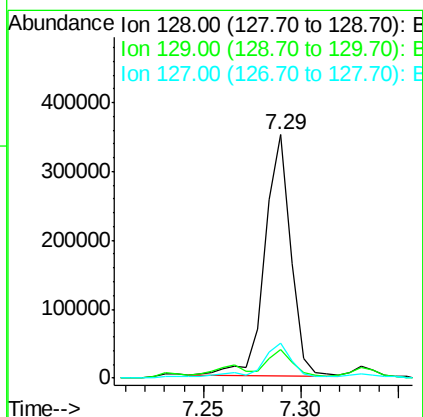
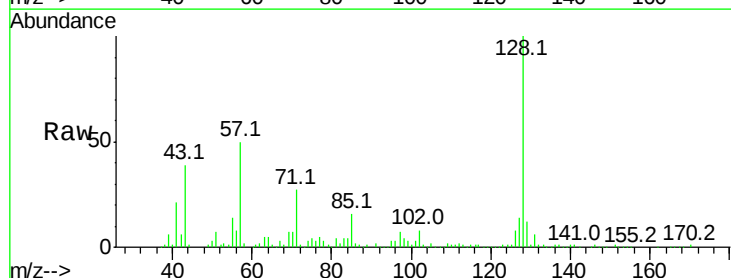
Tgt Ion:128 Resp: 324127

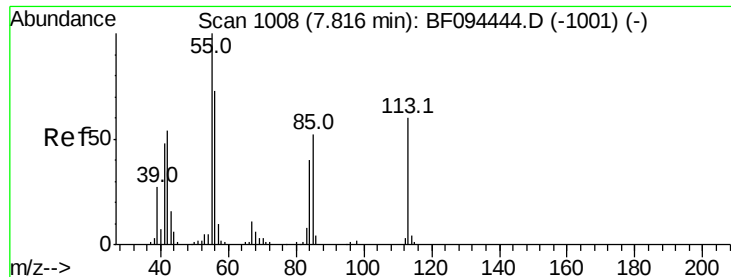
Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.6

127 14.2 10.8 16.2





#35

Caprolactam

Concen: 28.34 ng

RT: 7.83 min Scan# 1002

Delta R.T. 0.01 min

Lab File: BF094705.D

Acq: 29 Apr 2017 1:01

Instrument :

BNA_F

ClientSampleId :

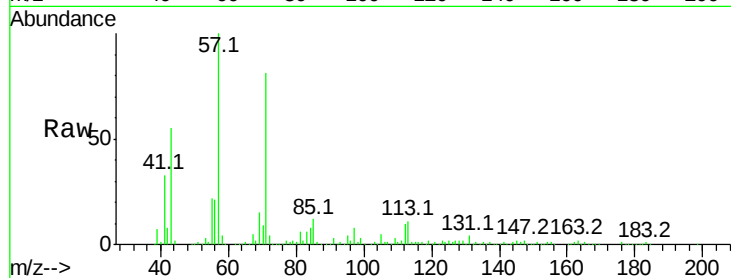
Tot Ion:113 Resp: 44672

Ion Ratio Lower Upper

113 100

55 200.4 150.2 190.2#

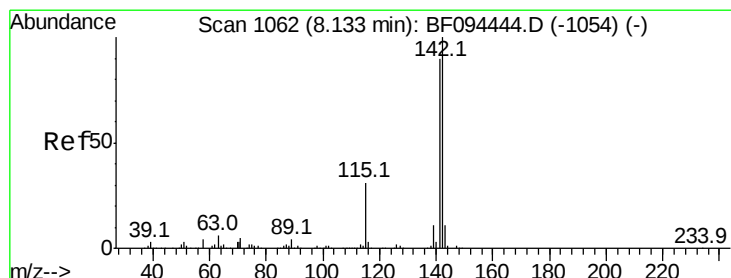
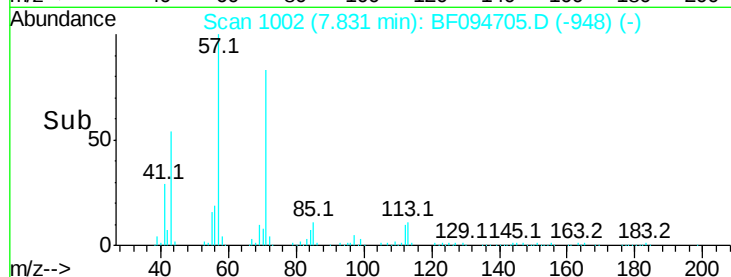
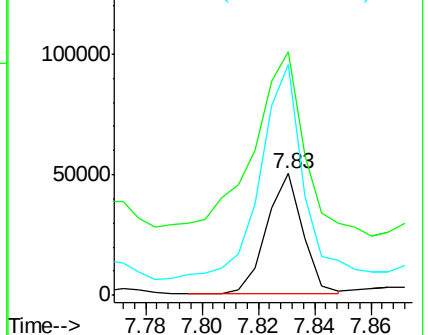
56 190.2 107.8 147.8#



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



#37

2-Methylnaphthalene

Concen: 40.51 ng

RT: 8.14 min Scan# 1054

Delta R.T. 0.00 min

Lab File: BF094705.D

Acq: 29 Apr 2017 1:01

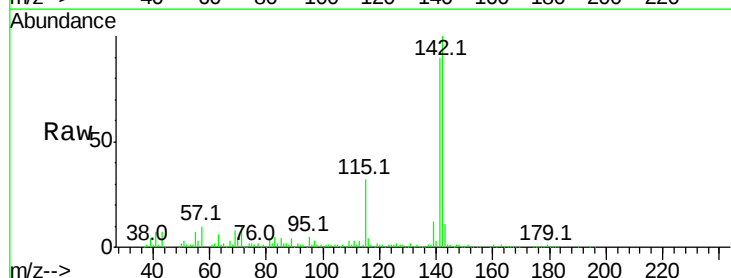
Tgt Ion:142 Resp: 482926

Ion Ratio Lower Upper

142 100

141 90.2 71.3 106.9

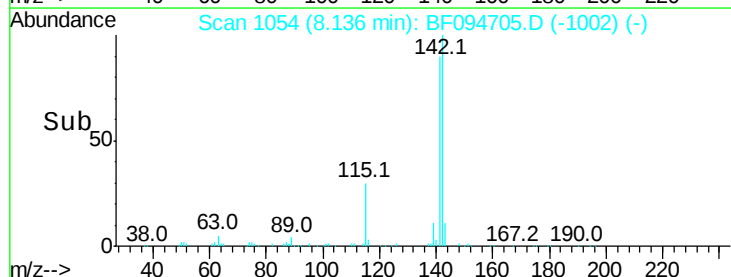
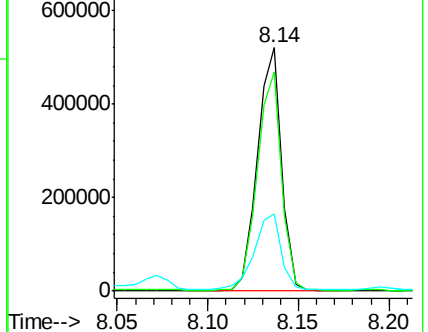
115 31.6 27.1 40.7

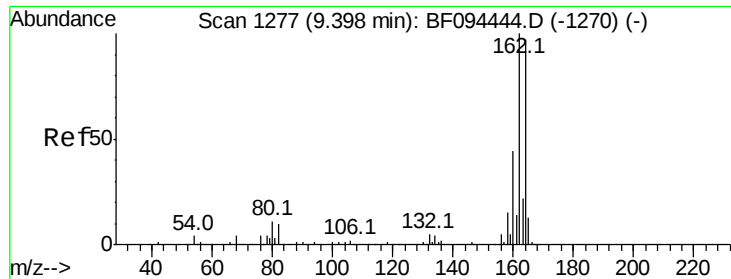


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

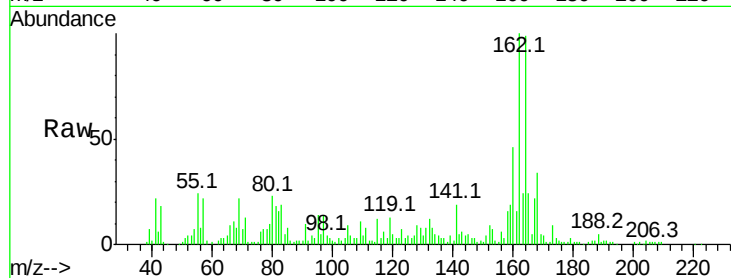




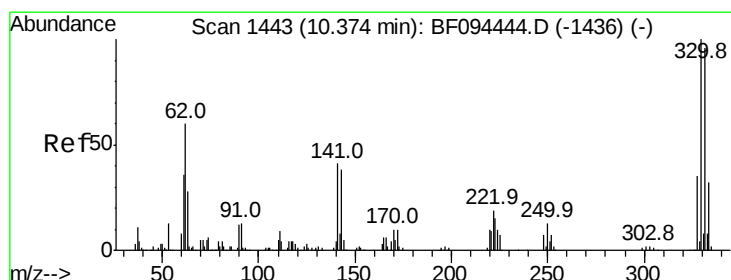
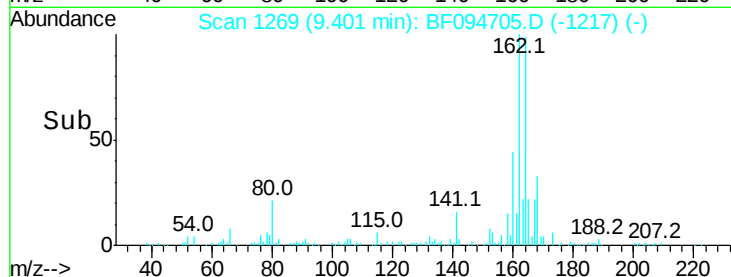
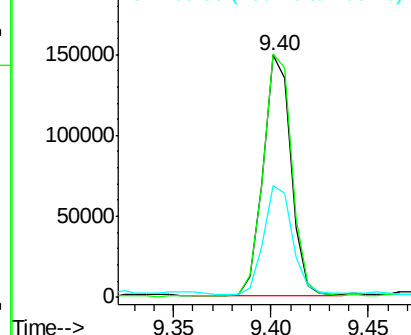
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.40 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: BF094705.D
 Acq: 29 Apr 2017 1:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 147239
 Ion Ratio Lower Upper
 164 100
 162 100.6 82.6 123.8
 160 45.9 36.2 54.2

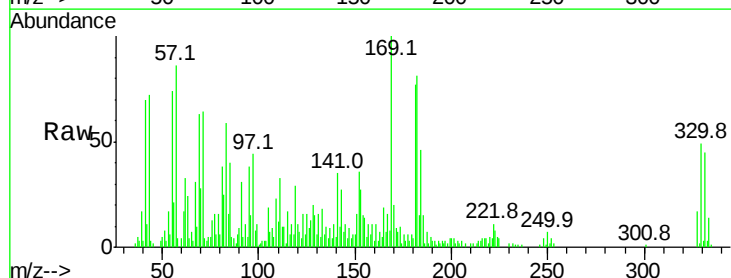


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

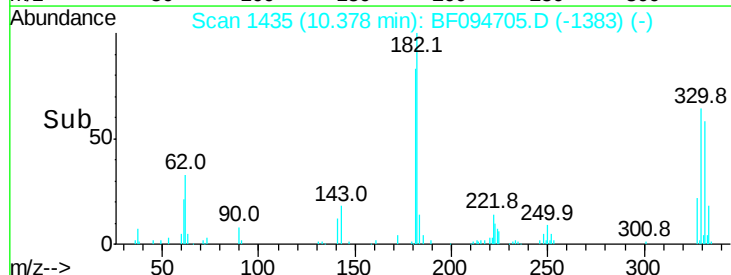
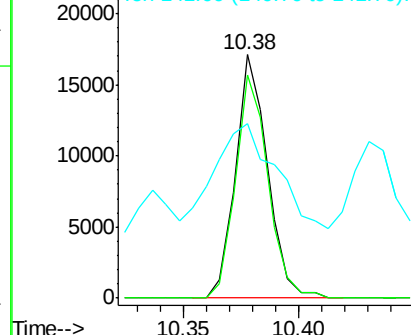


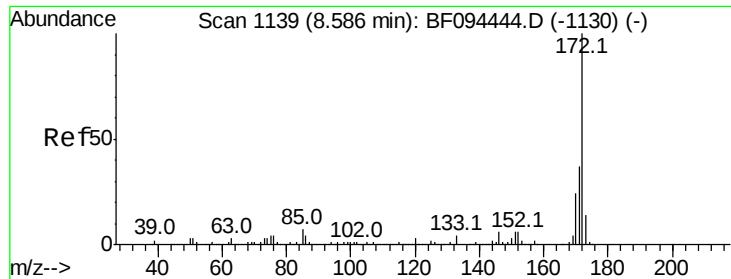
#41
 2,4,6-Tribromophenol
 Concen: 14.31 ng
 RT: 10.38 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF094705.D
 Acq: 29 Apr 2017 1:01

Tgt Ion:330 Resp: 16480
 Ion Ratio Lower Upper
 330 100
 332 93.4 76.6 115.0
 141 81.0 31.4 47.2#



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

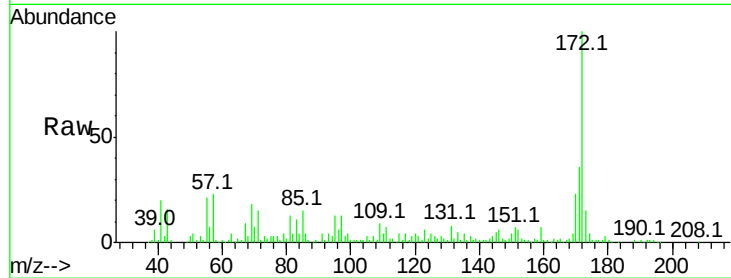




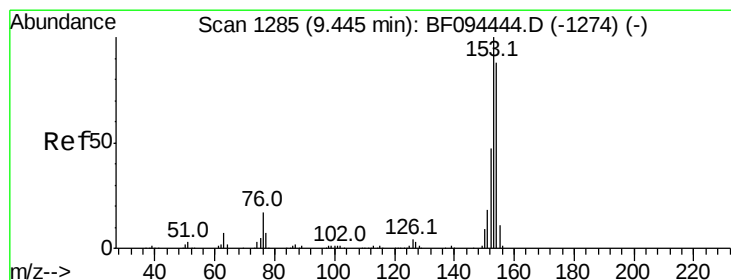
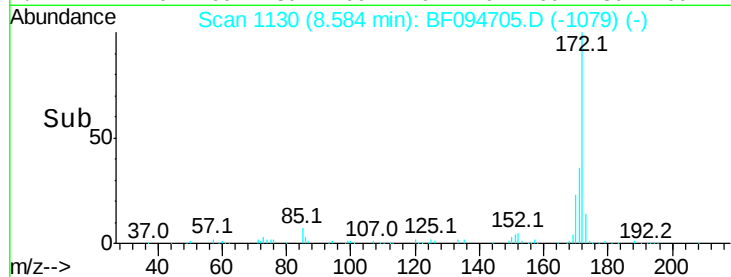
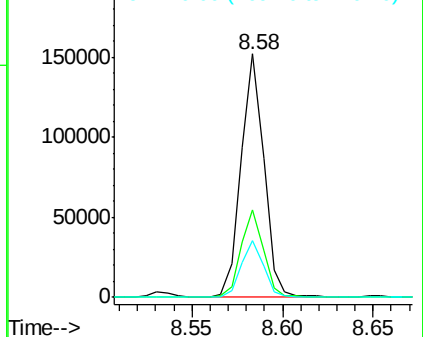
#44
2-Fluorobiphenyl
Concen: 13.45 ng
RT: 8.58 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BF094705.D
Acq: 29 Apr 2017 1:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	23.3	19.8	29.8

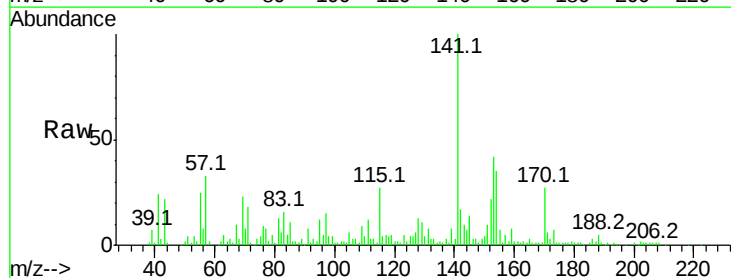


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

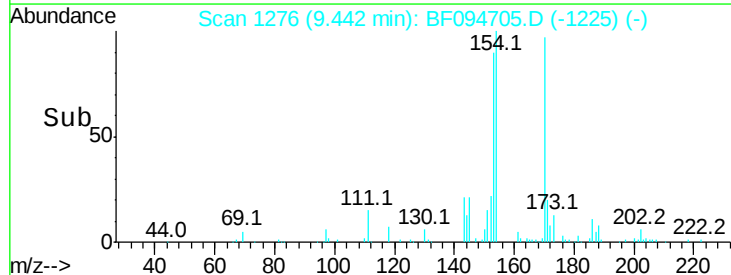
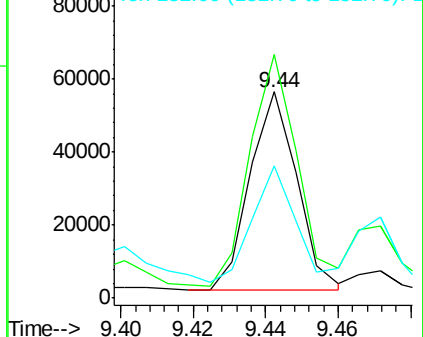


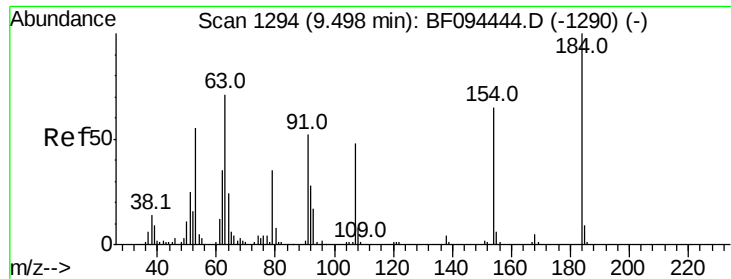
#51
Acenaphthene
Concen: 5.46 ng
RT: 9.44 min Scan# 1276
Delta R.T. -0.00 min
Lab File: BF094705.D
Acq: 29 Apr 2017 1:01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	118.2	90.5	135.7
152	63.9	43.6	65.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

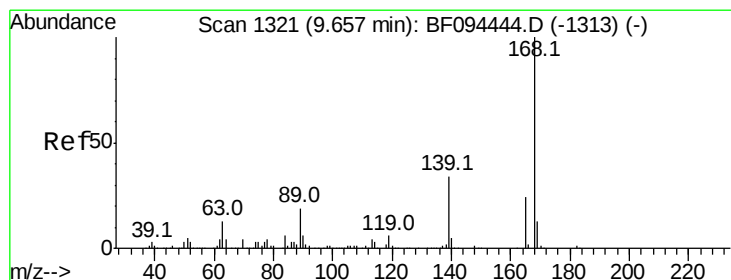
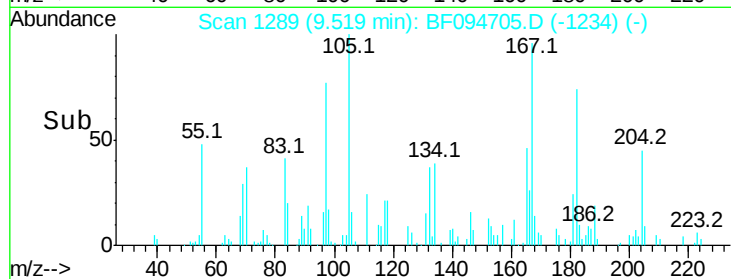
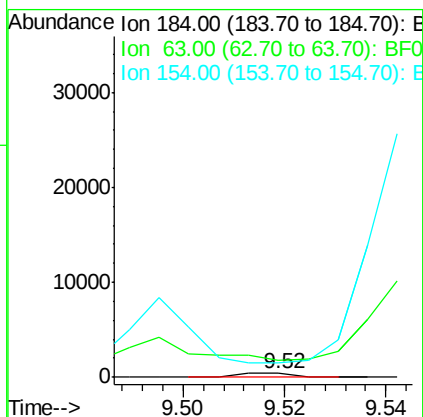
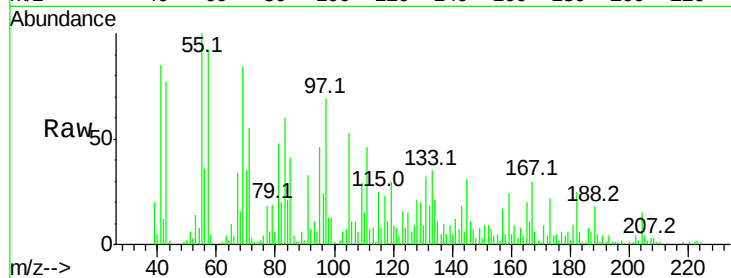




#53
 2,4-Dinitrophenol
 Concen: 5.96 ng
 RT: 9.52 min Scan# 1289
 Delta R.T. 0.02 min
 Lab File: BF094705.D
 Acq: 29 Apr 2017 1:01

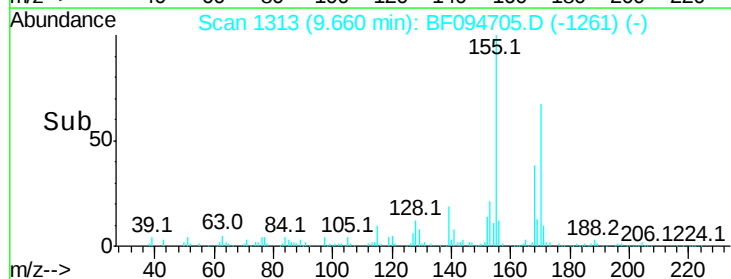
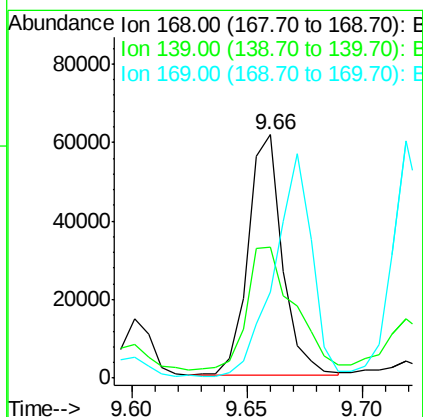
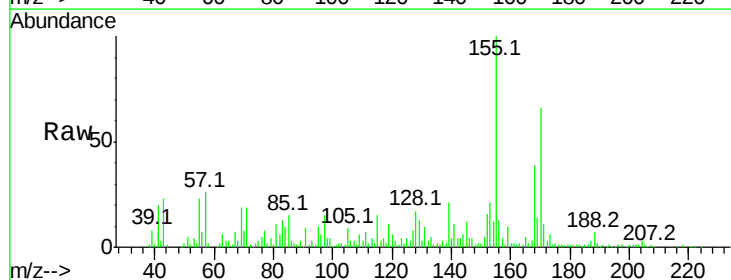
Instrument :
 BNA_F
 ClientSampleId :

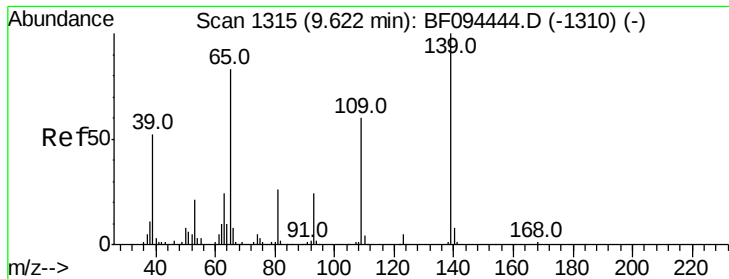
Tot Ion:184 Resp: 292
 Ion Ratio Lower Upper
 184 100
 63 433.7 62.7 94.1#
 154 362.5 81.1 121.7#



#54
 Dibenzofuran
 Concen: 4.91 ng
 RT: 9.66 min Scan# 1313
 Delta R.T. 0.00 min
 Lab File: BF094705.D
 Acq: 29 Apr 2017 1:01

Tgt Ion:168 Resp: 63713
 Ion Ratio Lower Upper
 168 100
 139 53.9 30.6 45.8#
 169 35.5 10.8 16.2#

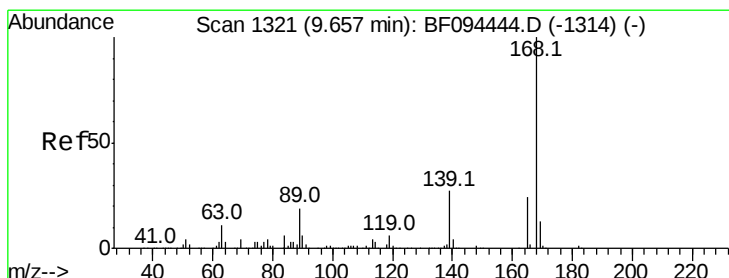
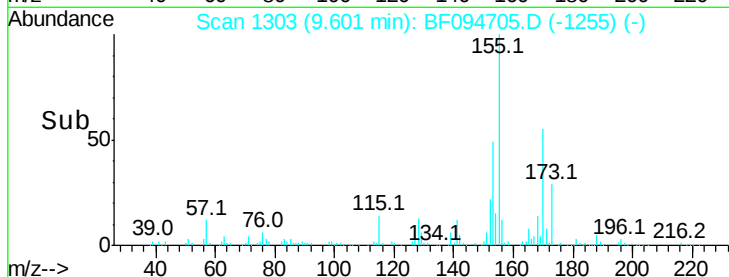
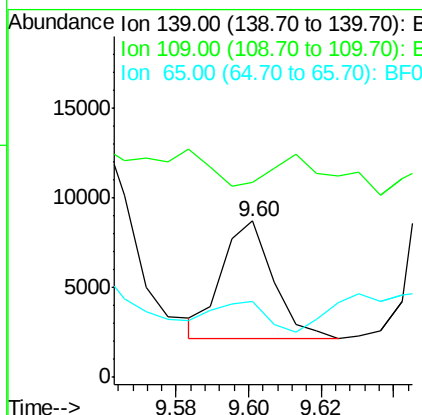
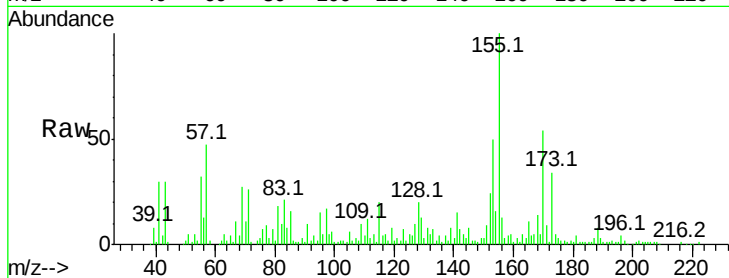




#55
4-Nitrophenol
Concen: 3.22 ng
RT: 9.60 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF094705.D
Acq: 29 Apr 2017 1:01

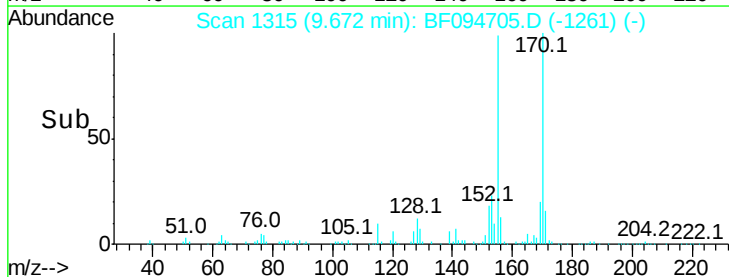
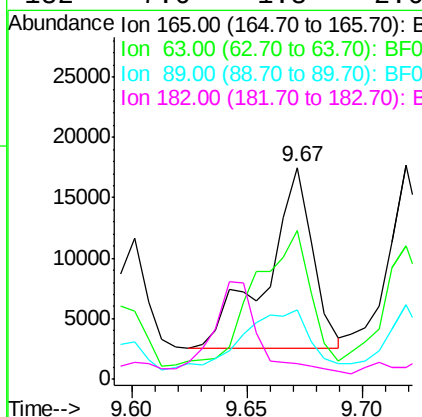
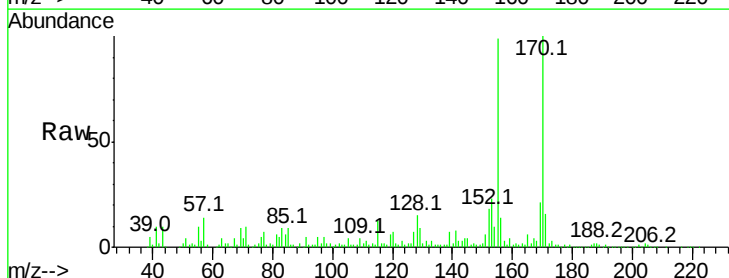
Instrument :
BNA_F
ClientSampleId :

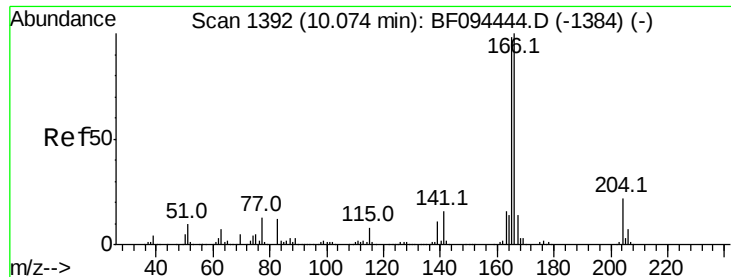
Tot Ion:139 Resp: 6476
Ion Ratio Lower Upper
139 100
109 124.9 34.1 74.1#
65 48.7 31.4 71.4



#56
2,4-Dinitrotoluene
Concen: 6.86 ng
RT: 9.67 min Scan# 1315
Delta R.T. 0.01 min
Lab File: BF094705.D
Acq: 29 Apr 2017 1:01

Tgt Ion:165 Resp: 20718
Ion Ratio Lower Upper
165 100
63 70.2 25.4 38.0#
89 32.9 46.4 69.6#
182 7.6 1.8 2.6#

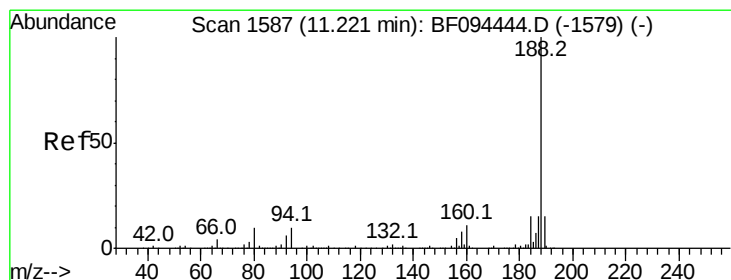
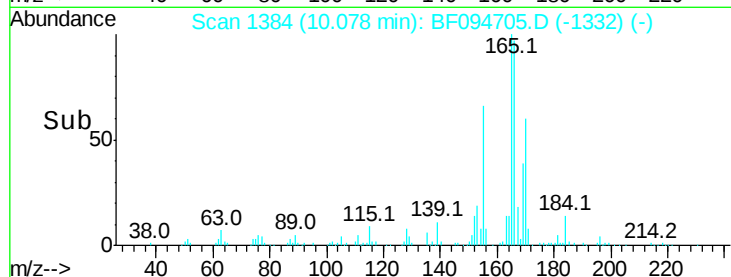
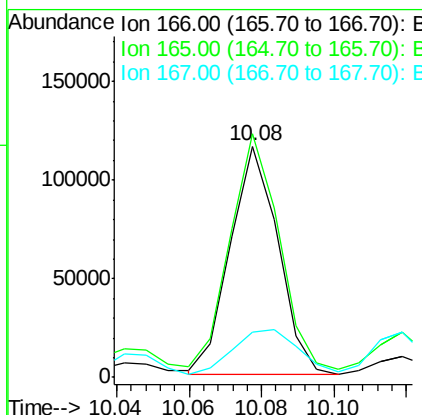
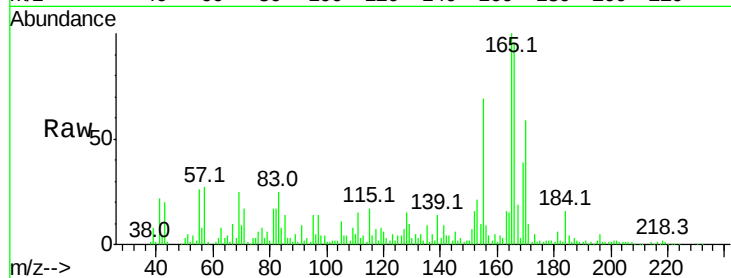




#57
Fluorene
 Concen: 10.55 ng
 RT: 10.08 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: BF094705.D
 Acq: 29 Apr 2017 1:01

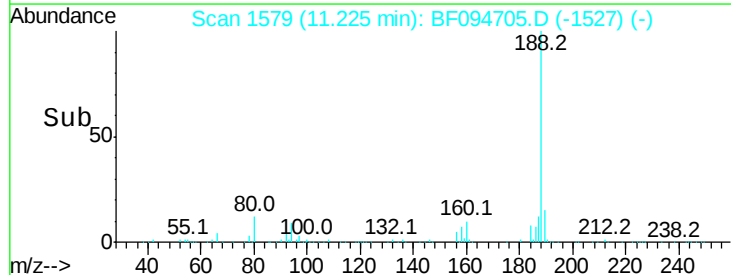
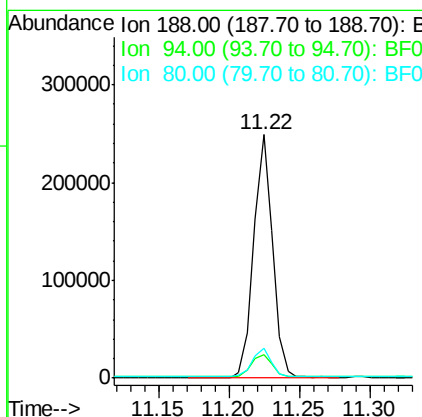
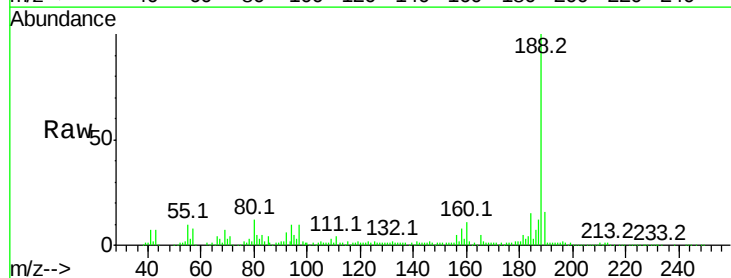
Instrument :
 BNA_F
 ClientSampleId :

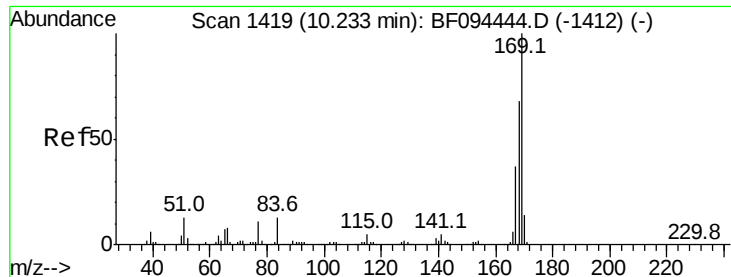
Tot Ion:166 Resp: 106674
 Ion Ratio Lower Upper
 166 100
 165 105.3 78.8 118.2
 167 19.7 10.6 16.0#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF094705.D
 Acq: 29 Apr 2017 1:01

Tgt Ion:188 Resp: 235833
 Ion Ratio Lower Upper
 188 100
 94 9.9 9.4 14.2
 80 12.3 10.2 15.2





#65

n-Nitrosodiphenylamine

Concen: 15.39 ng

RT: 10.14 min Scan# 1395

Delta R.T. -0.09 min

Lab File: BF094705.D

Acq: 29 Apr 2017 1:01

Instrument :

BNA_F

ClientSampleId :

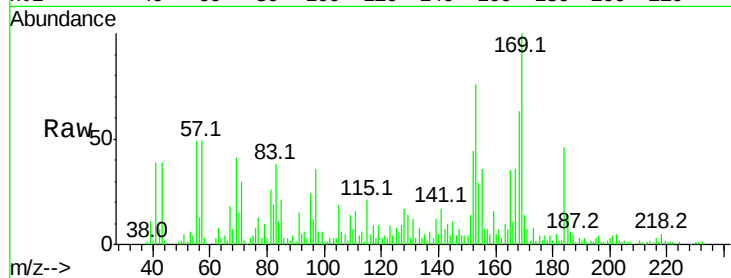
Tot Ion:169 Resp: 126200

Ion Ratio Lower Upper

169 100

168 63.2 53.2 79.8

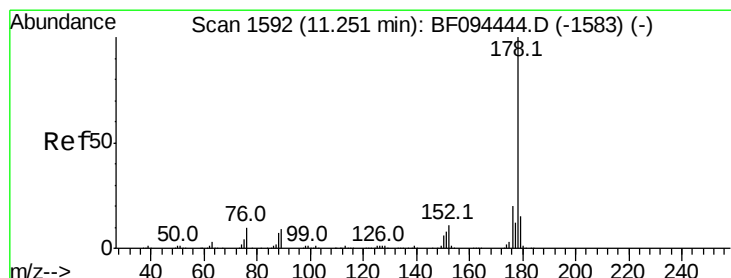
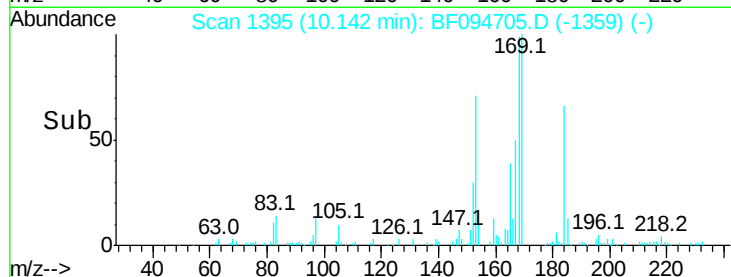
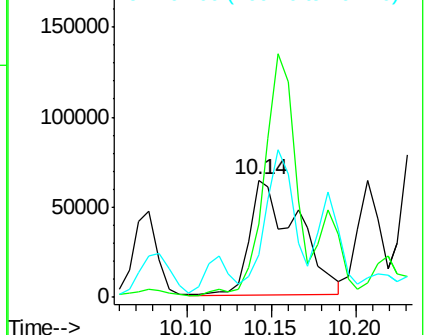
167 36.2 29.5 44.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 27.05 ng

RT: 11.25 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BF094705.D

Acq: 29 Apr 2017 1:01

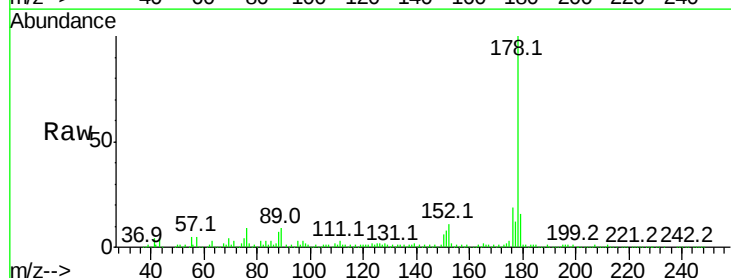
Tgt Ion:178 Resp: 359252

Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.4

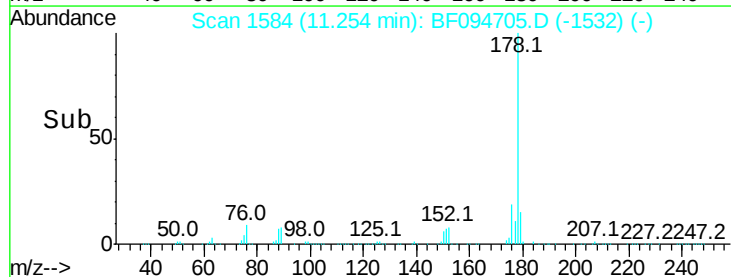
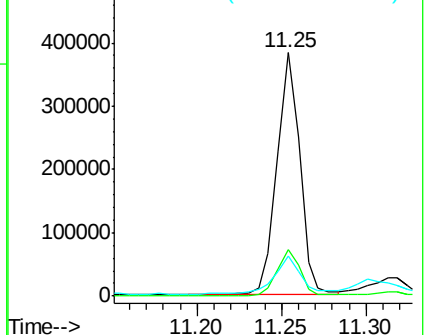
179 16.4 12.6 19.0

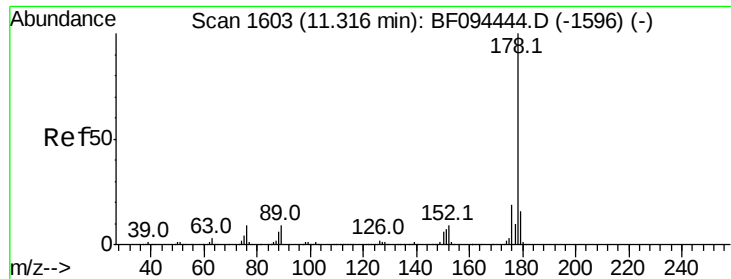


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 26.15 ng

RT: 11.25 min Scan# 1584

Delta R.T. -0.06 min

Lab File: BF094705.D

Acq: 29 Apr 2017 1:01

Instrument :

BNA_F

ClientSampled :

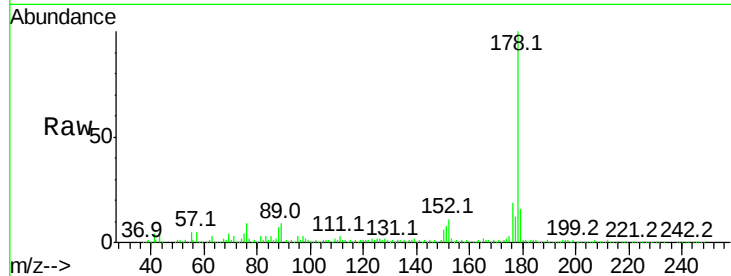
Tot Ion:178 Resp: 359252

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

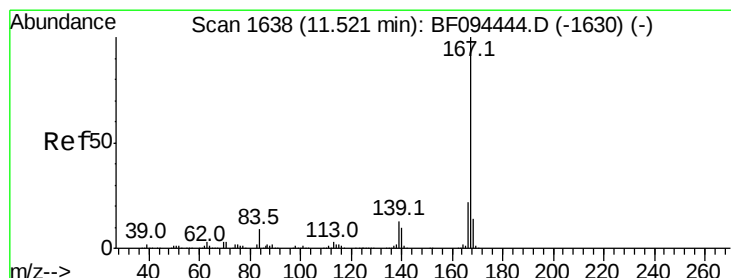
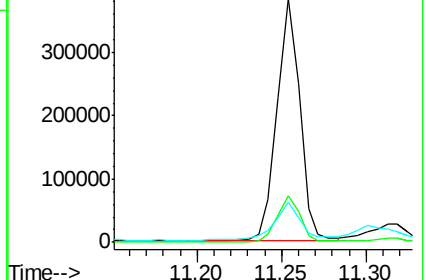
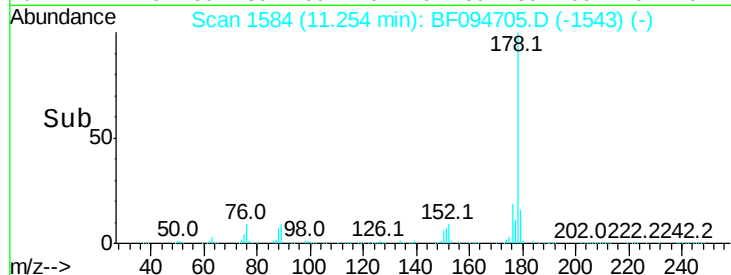
179 16.4 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 6.88 ng

RT: 11.52 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BF094705.D

Acq: 29 Apr 2017 1:01

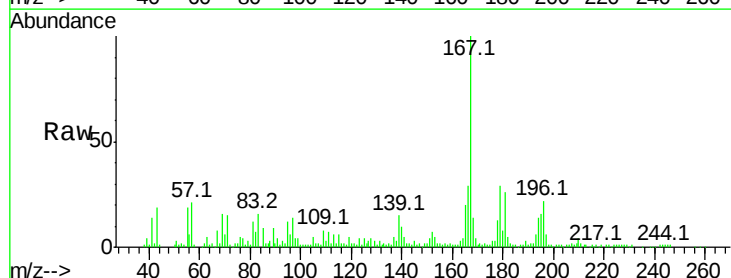
Tgt Ion:167 Resp: 88700

Ion Ratio Lower Upper

167 100

166 28.8 18.1 27.1#

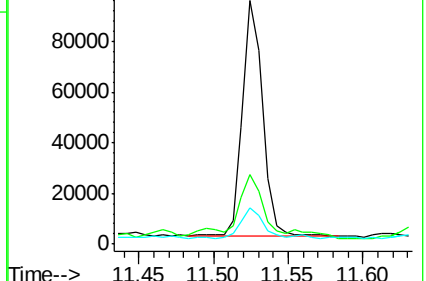
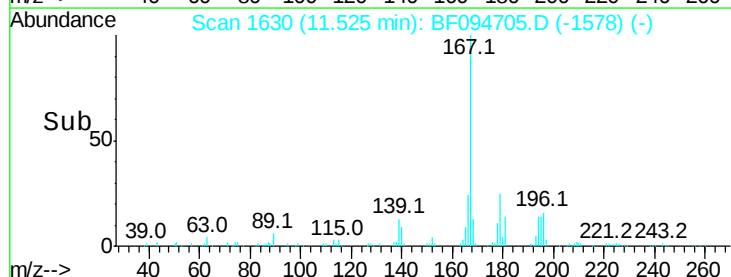
139 15.1 11.7 17.5

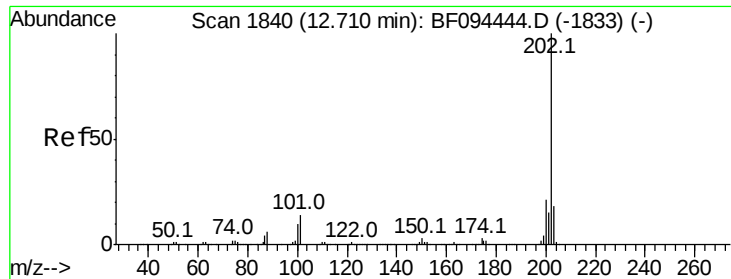


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 6.72 ng

RT: 12.71 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF094705.D

Acq: 29 Apr 2017 1:01

Instrument :

BNA_F

ClientSampleId :

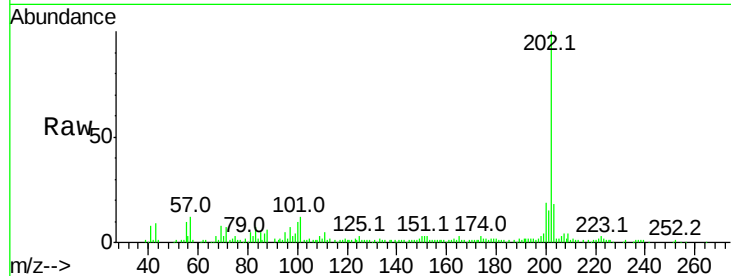
Tot Ion:202 Resp: 92484

Ion Ratio Lower Upper

202 100

101 12.5 0.0 33.2

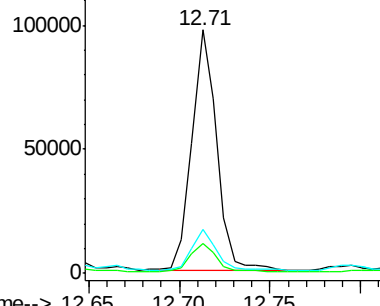
203 17.8 0.0 38.1



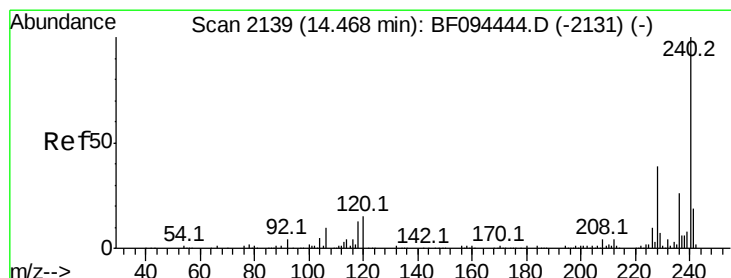
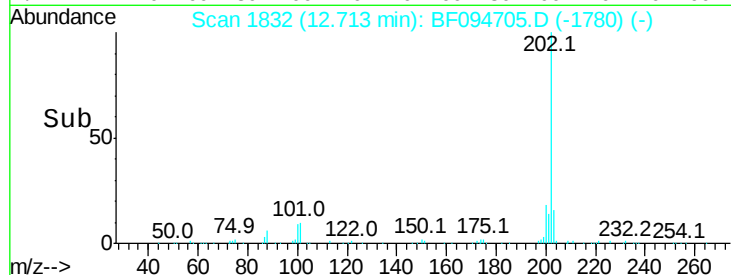
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 12.65 12.70 12.75



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.47 min Scan# 2131

Delta R.T. 0.00 min

Lab File: BF094705.D

Acq: 29 Apr 2017 1:01

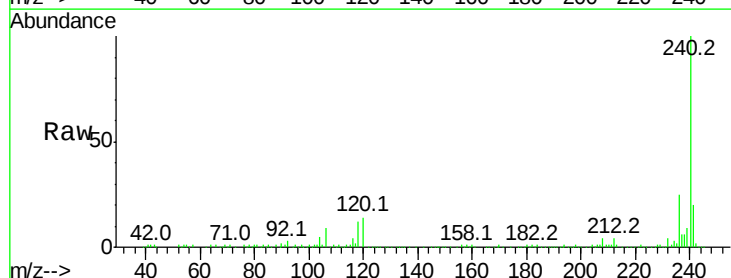
Tgt Ion:240 Resp: 203632

Ion Ratio Lower Upper

240 100

120 13.5 5.8 8.8#

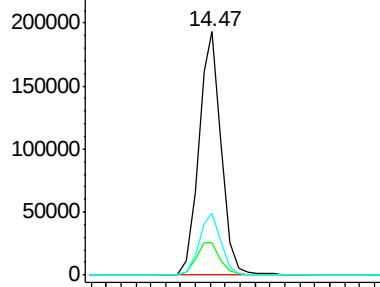
236 25.3 20.5 30.7



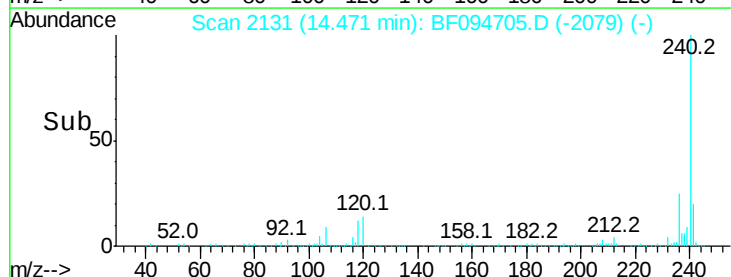
Abundance Ion 240.00 (239.70 to 240.70): E

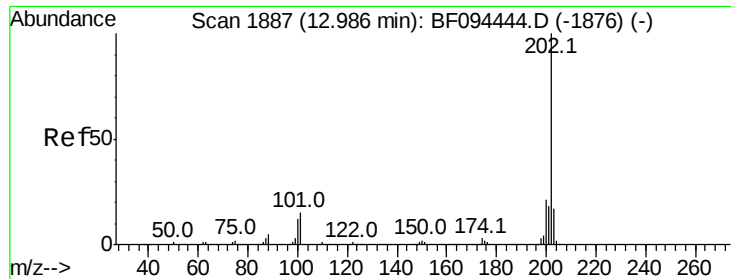
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 14.40 14.45 14.50 14.55

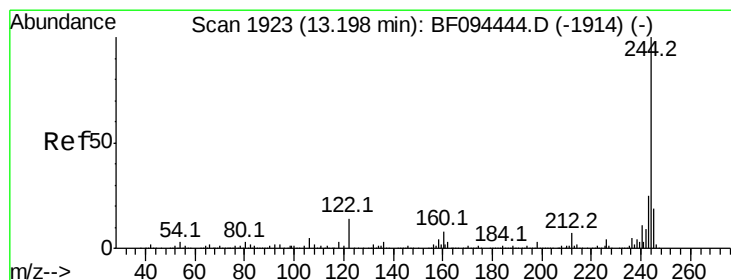
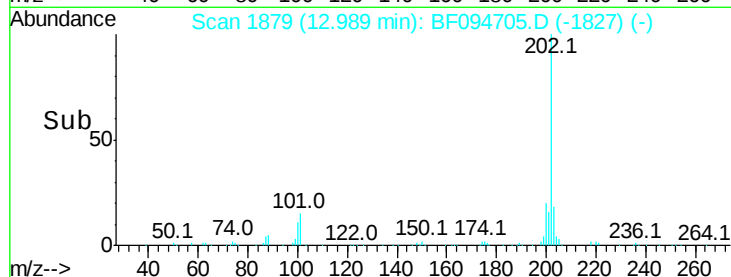
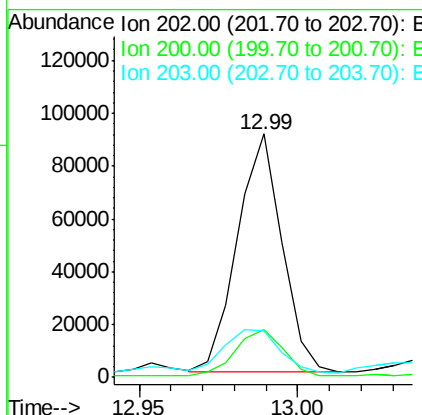
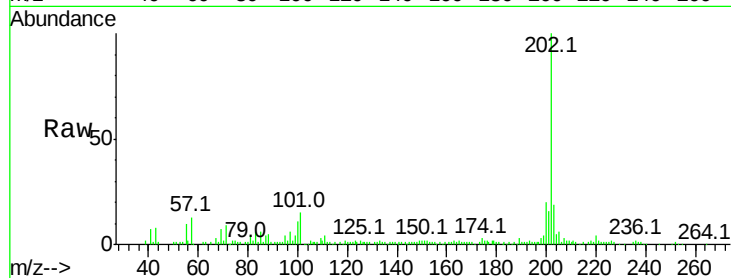




#77
 Pvrene
 Concen: 6.18 ng
 RT: 12.99 min Scan# 1879
 Delta R.T. 0.00 min
 Lab File: BF094705.D
 Acq: 29 Apr 2017 1:01

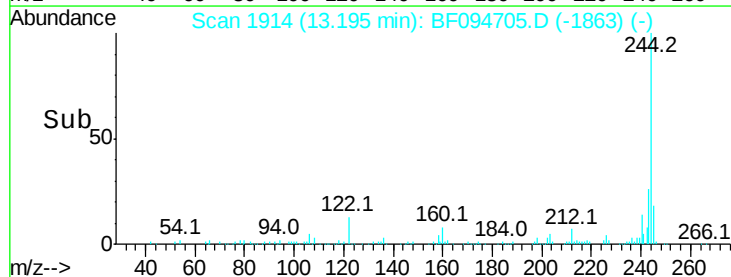
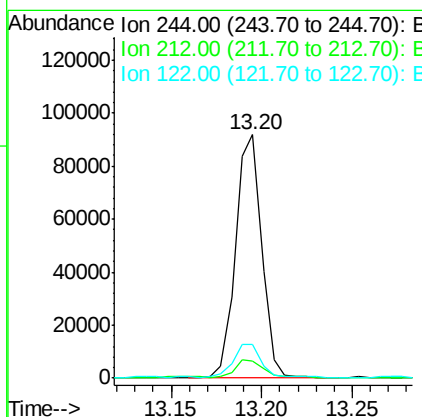
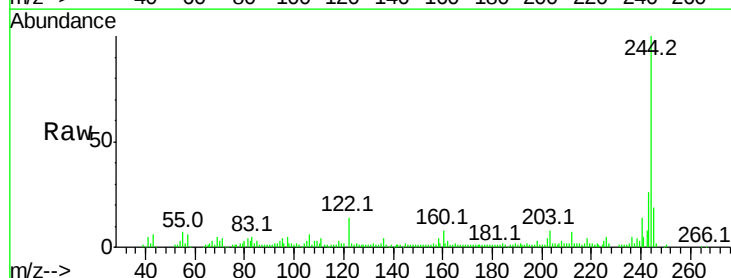
Instrument :
 BNA_F
 ClientSampleId :

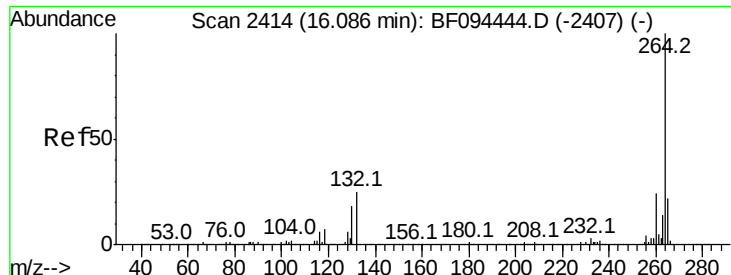
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.6	26.4
203	18.9	14.4	21.6



#78
 Terphenyl-d14
 Concen: 12.12 ng
 RT: 13.20 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: BF094705.D
 Acq: 29 Apr 2017 1:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	13.6	10.3	15.5

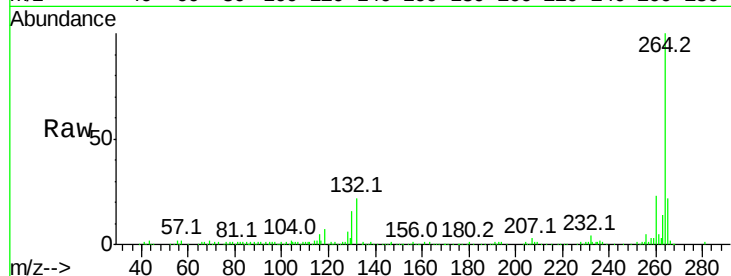




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.10 min Scan# 2408
Delta R.T. 0.01 min
Lab File: BF094705.D
Acq: 29 Apr 2017 1:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.8	17.2	25.8



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

