

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
 Data File : BF084933.D
 Acq On : 8 Feb 2016 17:23
 Operator : SJ/IZ
 Sample : H1311-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(5-7)

Quant Time: Feb 09 02:36:06 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

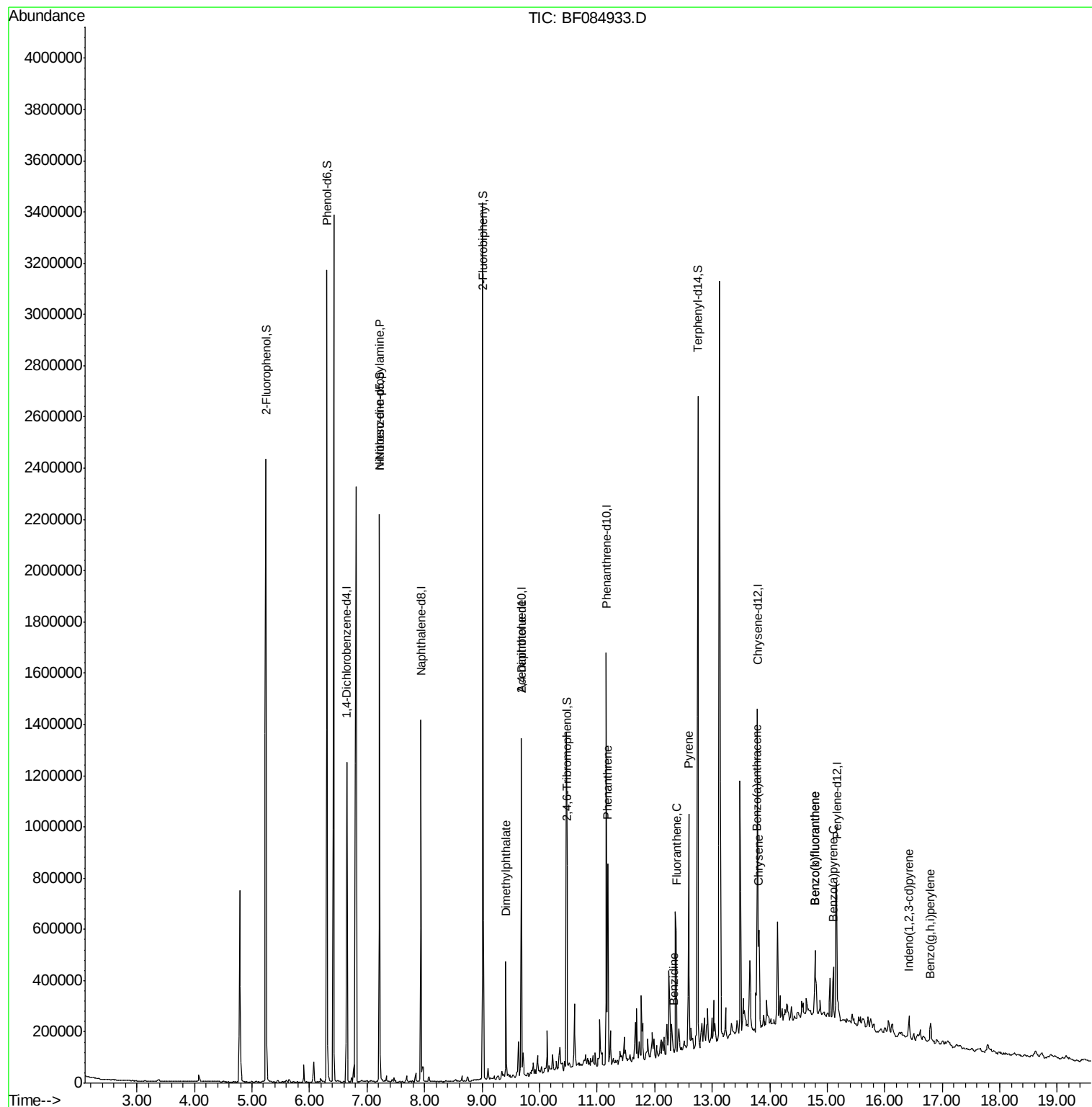
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	162599	20.00	ng	-0.03
21) Naphthalene-d8	7.94	136	710346	20.00	ng	-0.03
38) Acenaphthene-d10	9.69	164	302542	20.00	ng	-0.05
63) Phenanthrene-d10	11.16	188	536146	20.00	ng	-0.05
75) Chrysene-d12	13.79	240	355164	20.00	ng	-0.05
86) Perylene-d12	15.16	264	309696	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	777029	74.43	ng	-0.03
7) Phenol-d6	6.30	99	1100589	85.04	ng	-0.03
23) Nitrobenzene-d5	7.22	82	673652	53.42	ng	-0.05
41) 2,4,6-Tribromophenol	10.48	330	187854	59.53	ng	-0.05
44) 2-Fluorobiphenyl	9.01	172	1007000	48.76	ng	-0.05
78) Terphenyl-d14	12.75	244	890212	56.80	ng	-0.05
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.22	70	92737	11.43	ng	# 71
49) Dimethylphthalate	9.41	163	156276	6.78	ng	# 91
56) 2,4-Dinitrotoluene	9.69	165	38607	6.01	ng	# 22
70) Phenanthrene	11.18	178	274910	9.24	ng	99
74) Fluoranthene	12.37	202	316261	10.51	ng	92
76) Benzidine	12.33	184	470	6.92	ng	# 1
77) Pyrene	12.59	202	399429	14.69	ng	99
80) Benzo(a)anthracene	13.78	228	176754	8.02	ng	99
82) Chrysene	13.81	228	128509	6.01	ng	98
85) Indeno(1,2,3-cd)pyrene	16.42	276	54494	3.24	ng	95
87) Benzo(b)fluoranthene	14.79	252	168362	8.09	ng	# 96
88) Benzo(k)fluoranthene	14.79	252	168362	9.79	ng	100
89) Benzo(a)pyrene	15.11	252	105449	5.95	ng	98
91) Benzo(g,h,i)perylene	16.80	276	51677	3.44	ng	97

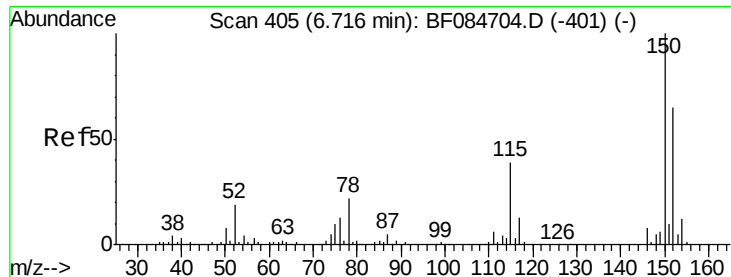
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 399

Delta R.T. -0.03 min

Lab File: BF084933.D

Acq: 8 Feb 2016 17:23

Instrument :

BNA_F

ClientSampleId :

SUP-B017(5-7)

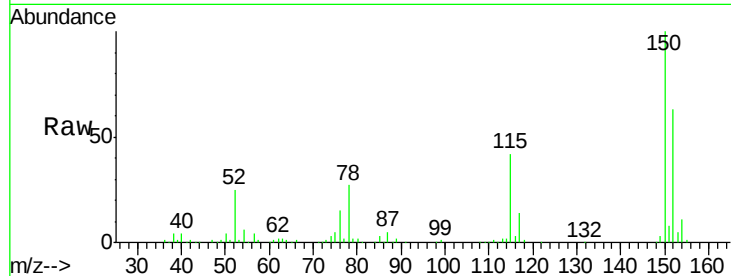
Tgt Ion:152 Resp: 162599

Ion Ratio Lower Upper

152 100

150 158.4 123.0 184.4

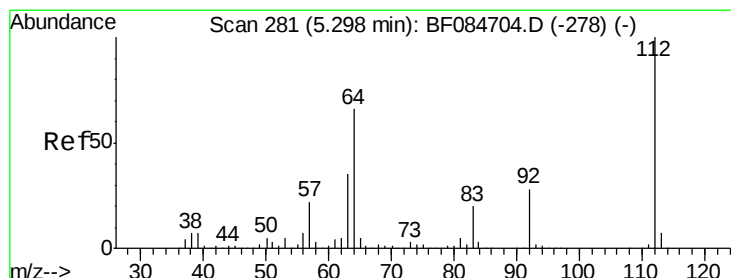
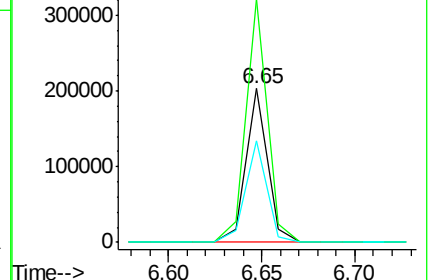
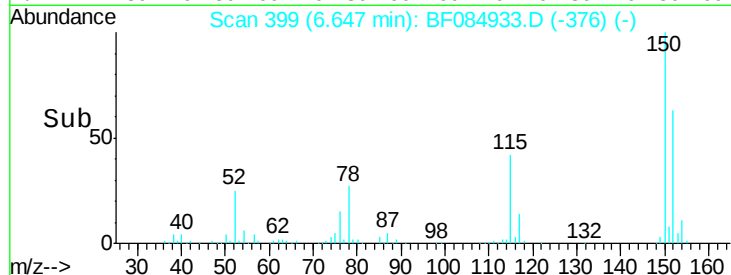
115 66.4 51.4 77.2



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: 74.43 ng

RT: 5.24 min Scan# 276

Delta R.T. -0.03 min

Lab File: BF084933.D

Acq: 8 Feb 2016 17:23

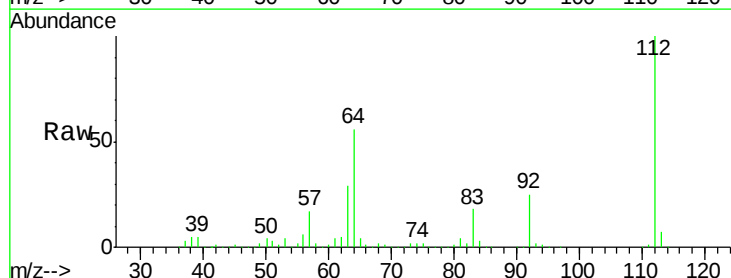
Tgt Ion:112 Resp: 777029

Ion Ratio Lower Upper

112 100

64 56.1 36.6 55.0#

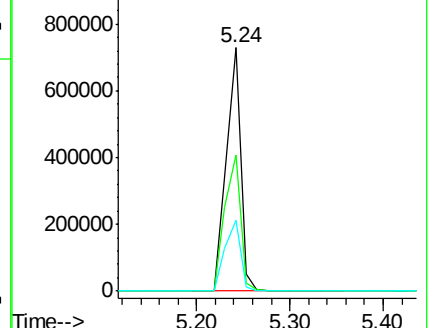
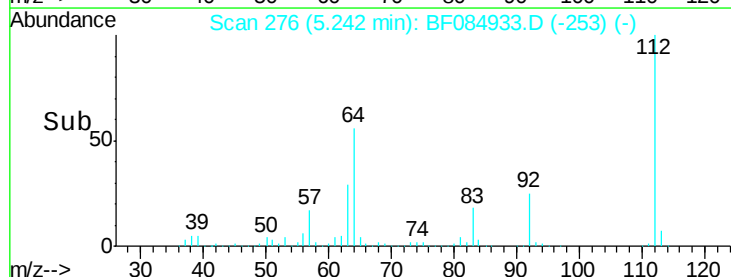
63 29.1 19.4 29.0#

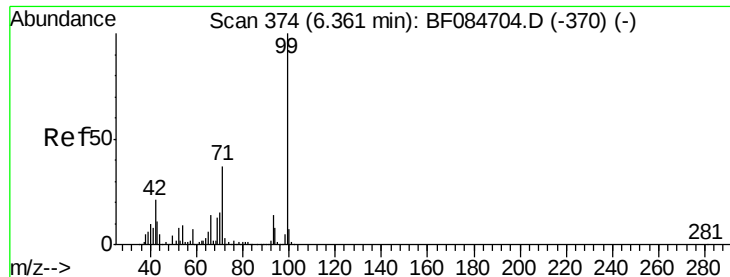


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 85.04 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084933.D

Acq: 8 Feb 2016 17:23

Instrument :

BNA_F

ClientSampleId :

SUP-B017(5-7)

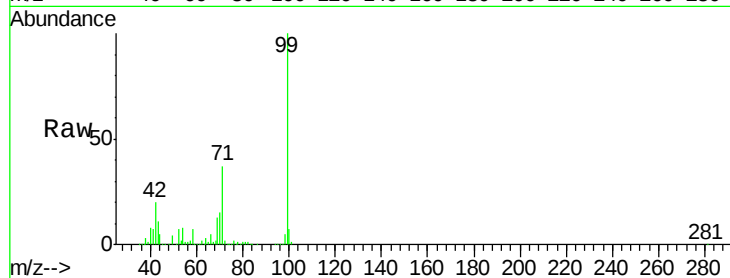
Tgt Ion: 99 Resp: 1100589

Ion Ratio Lower Upper

99 100

42 20.0 12.8 19.2#

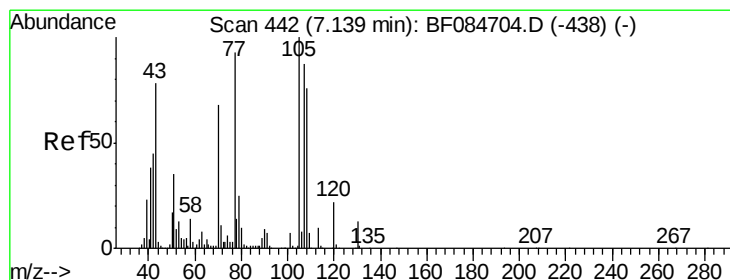
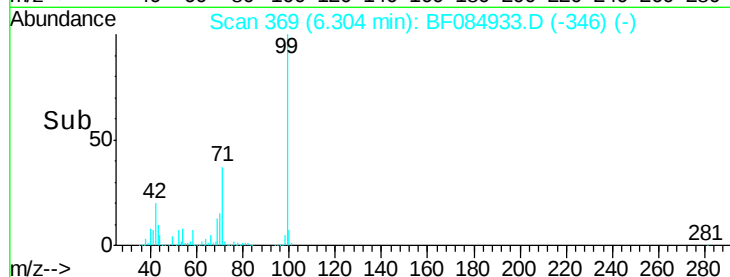
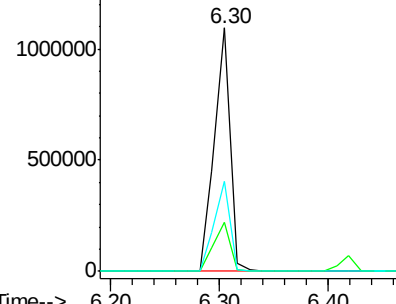
71 37.2 30.9 46.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.43 ng

RT: 7.22 min Scan# 449

Delta R.T. 0.10 min

Lab File: BF084933.D

Acq: 8 Feb 2016 17:23

Tgt Ion: 70 Resp: 92737

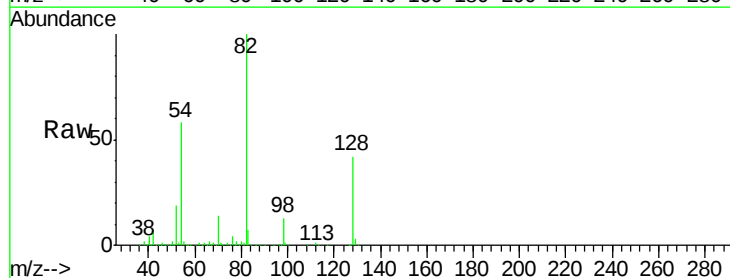
Ion Ratio Lower Upper

70 100

42 50.0 33.3 49.9#

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#

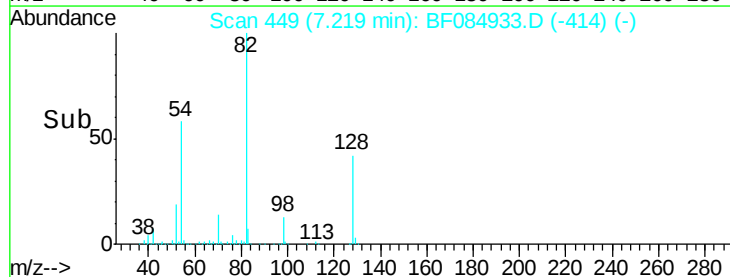
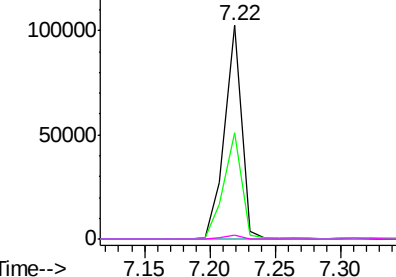


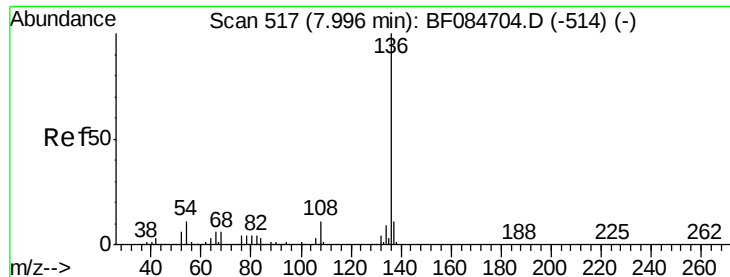
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

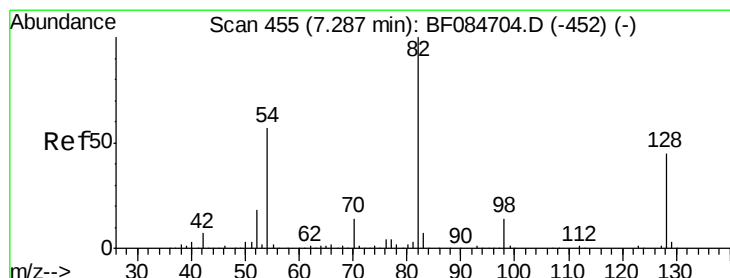
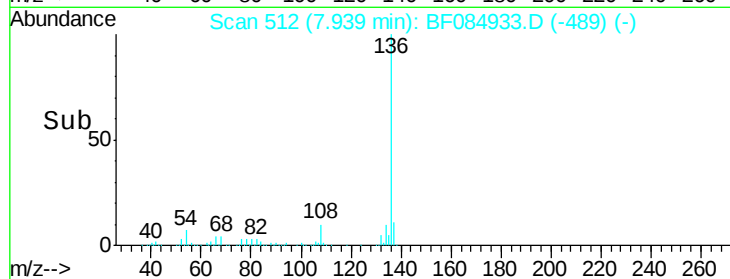
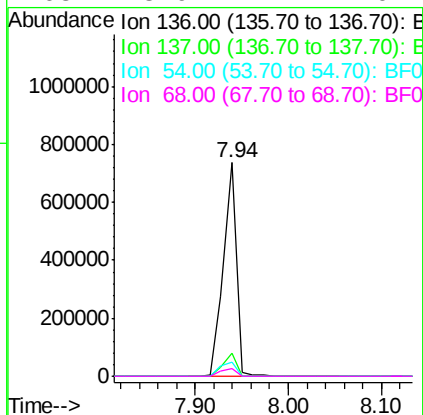
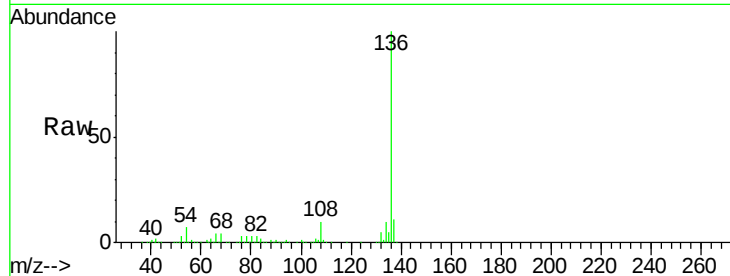




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 512
Delta R.T. -0.03 min
Lab File: BF084933.D
Acq: 8 Feb 2016 17:23

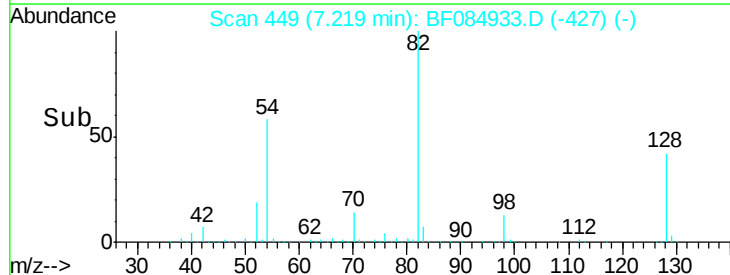
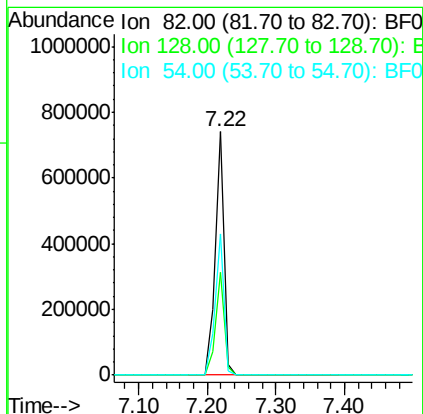
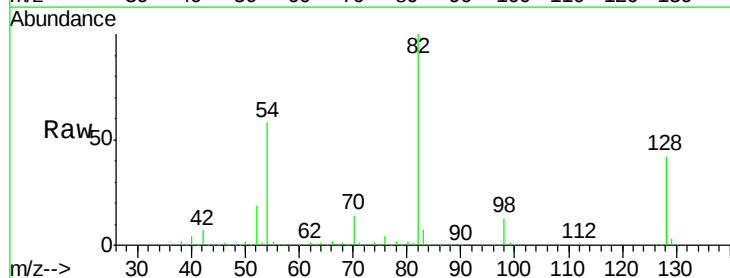
Instrument :
BNA_F
ClientSampleId :
SUP-B017(5-7)

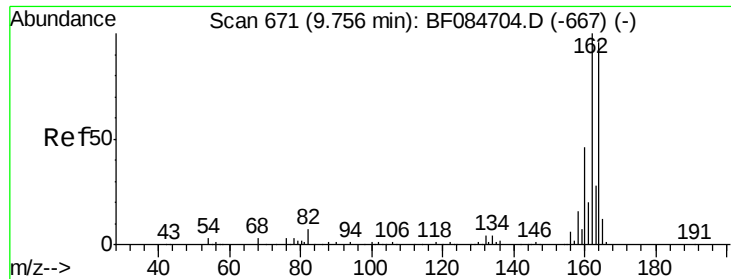
Tgt Ion:	136	Resp:	710346
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.7	5.8	8.8
68	3.9	4.2	6.2#



#23
Nitrobenzene-d5
Concen: 53.42 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.05 min
Lab File: BF084933.D
Acq: 8 Feb 2016 17:23

Tgt Ion:	82	Resp:	673652
Ion	Ratio	Lower	Upper
82	100		
128	42.3	34.6	51.8
54	58.3	38.4	57.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.69 min Scan# 665

Delta R.T. -0.05 min

Lab File: BF084933.D

Acq: 8 Feb 2016 17:23

Instrument :

BNA_F

ClientSampleId :

SUP-B017(5-7)

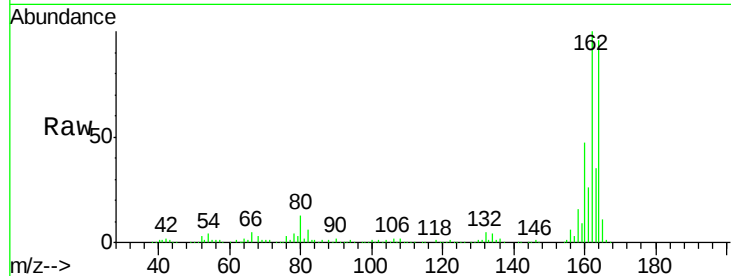
Tgt Ion:164 Resp: 302542

Ion Ratio Lower Upper

164 100

162 104.6 85.1 127.7

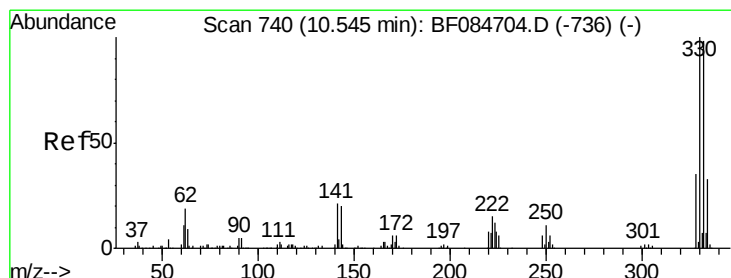
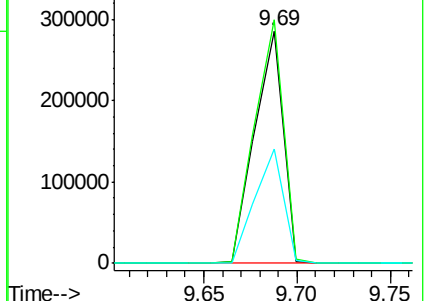
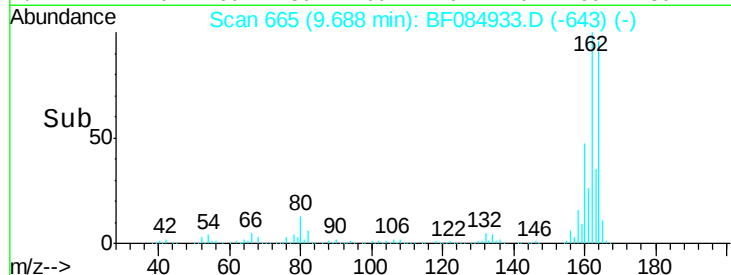
160 49.1 37.5 56.3



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: 59.53 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.05 min

Lab File: BF084933.D

Acq: 8 Feb 2016 17:23

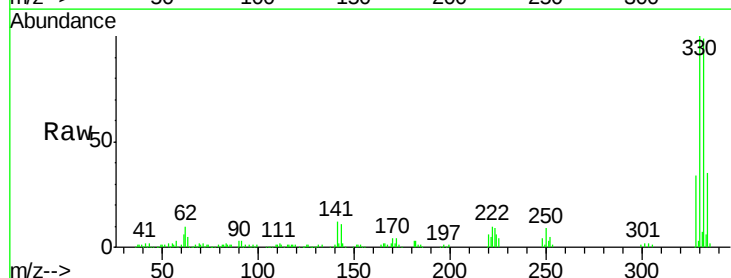
Tgt Ion:330 Resp: 187854

Ion Ratio Lower Upper

330 100

332 97.8 76.6 114.8

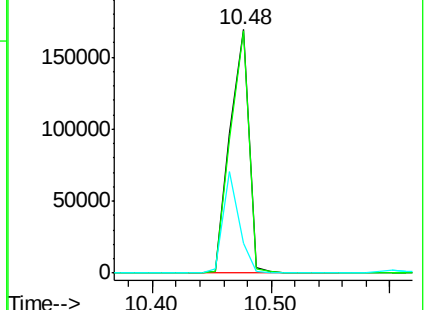
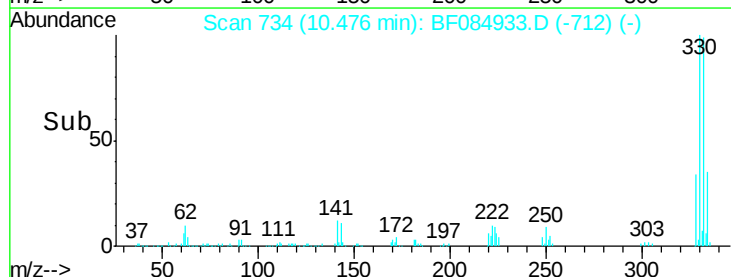
141 35.4 27.8 41.6

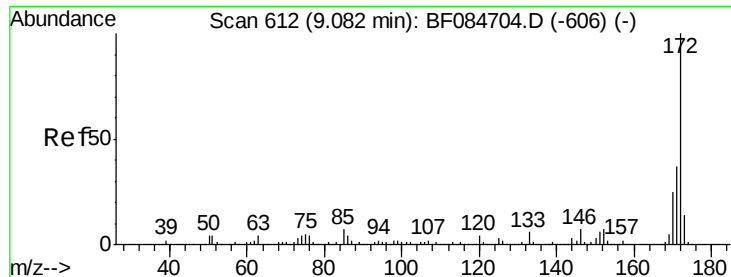


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

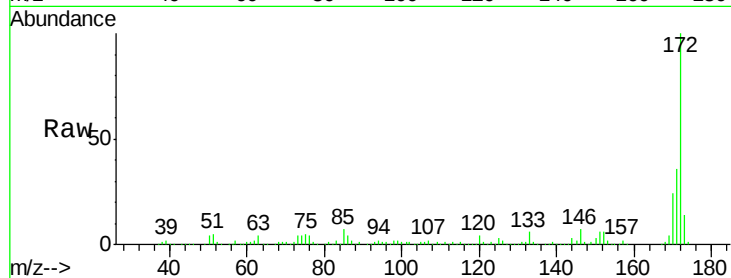




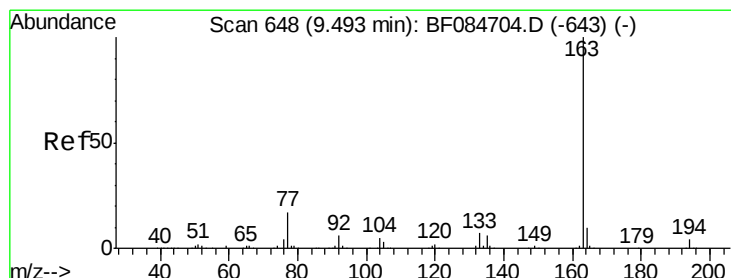
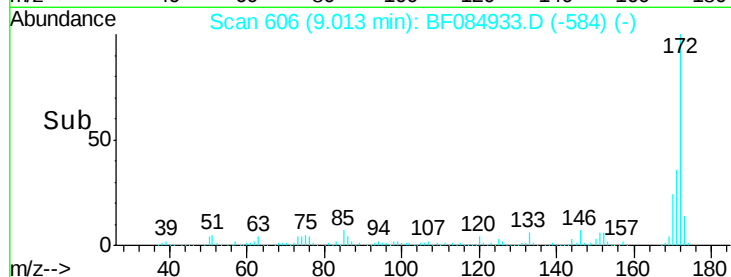
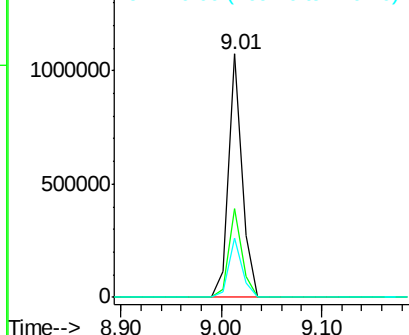
#44
 2-Fluorobiphenyl
 Concen: 48.76 ng
 RT: 9.01 min Scan# 606
 Delta R.T. -0.05 min
 Lab File: BF084933.D
 Acq: 8 Feb 2016 17:23

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(5-7)

Tgt Ion:172 Resp: 1007000
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.9 43.3
 170 24.1 18.6 27.8

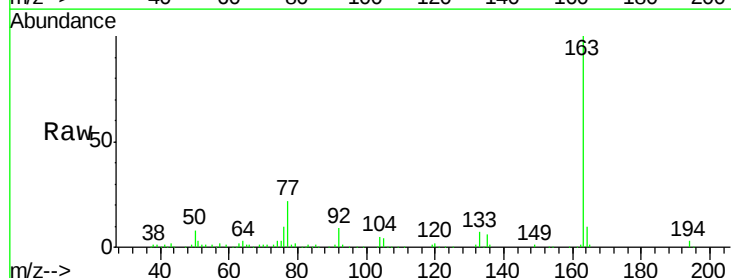


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

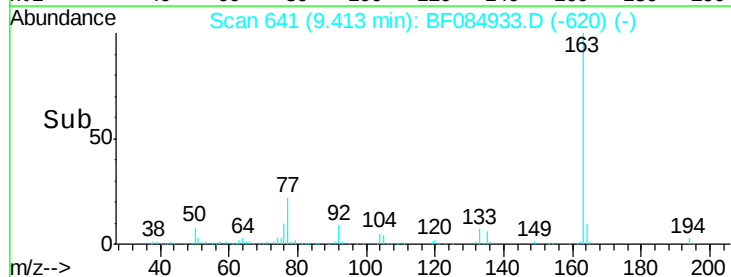
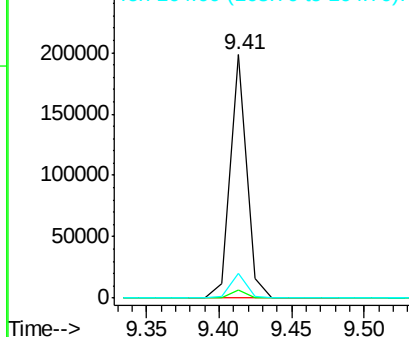


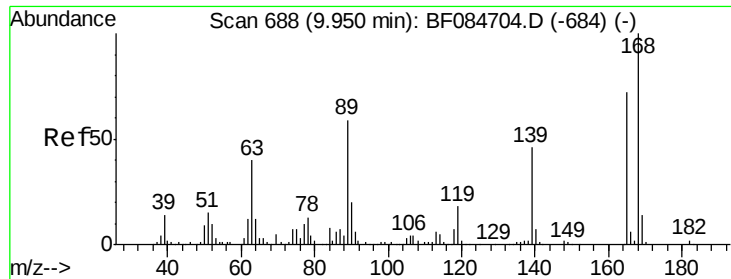
#49
 Dimethylphthalate
 Concen: 6.78 ng
 RT: 9.41 min Scan# 641
 Delta R.T. -0.06 min
 Lab File: BF084933.D
 Acq: 8 Feb 2016 17:23

Tgt Ion:163 Resp: 156276
 Ion Ratio Lower Upper
 163 100
 194 3.1 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

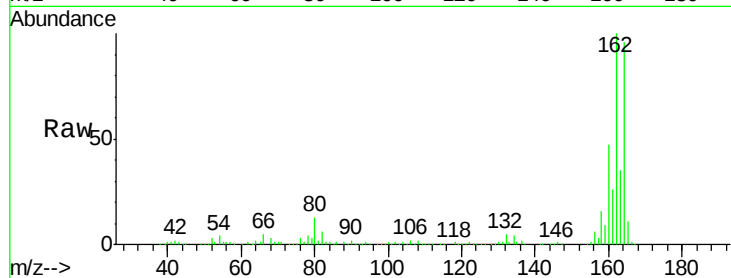




#56
2,4-Dinitrotoluene
Concen: 6.01 ng
RT: 9.69 min Scan# 665
Delta R.T. -0.24 min
Lab File: BF084933.D
Acq: 8 Feb 2016 17:23

Instrument :
BNA_F
ClientSampleId :
SUP-B017(5-7)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	36.7	55.1#
89	1.9	61.9	92.9#
182	0.0	2.0	3.0#



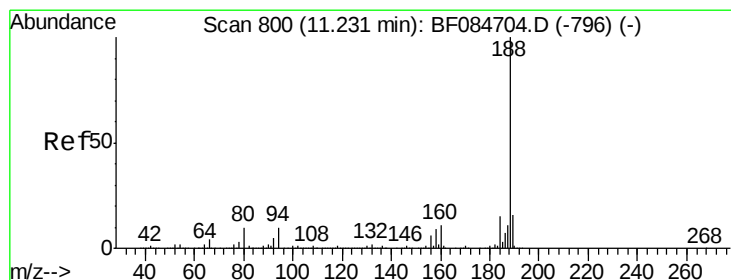
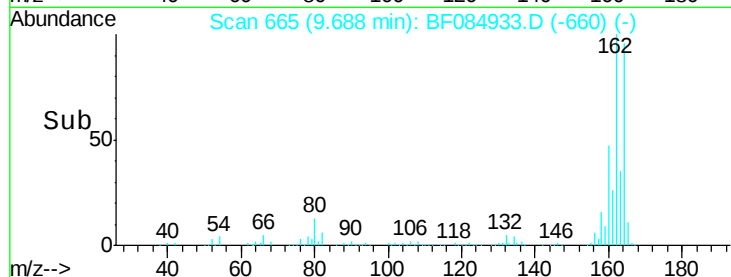
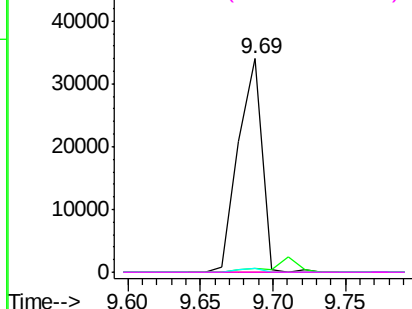
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

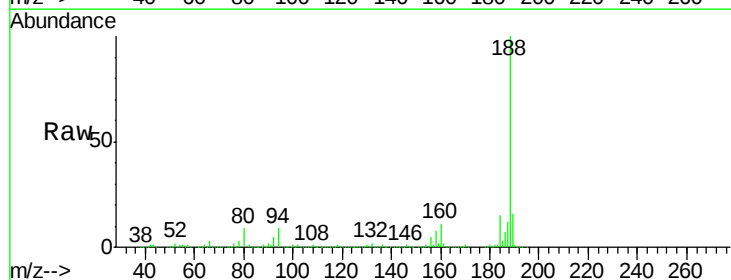
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 794
Delta R.T. -0.05 min
Lab File: BF084933.D
Acq: 8 Feb 2016 17:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	9.0	13.4#
80	9.3	9.6	14.4#

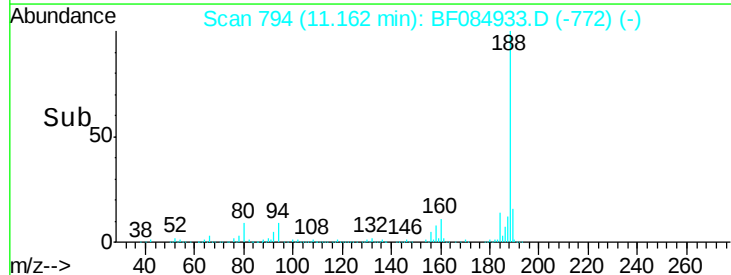
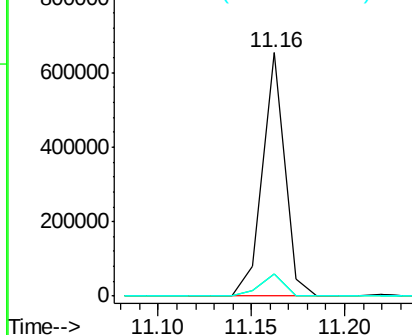


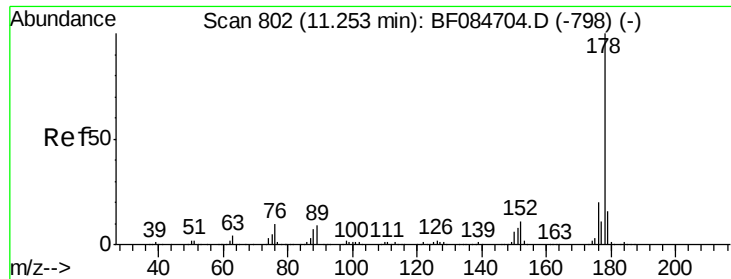
Abundance

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

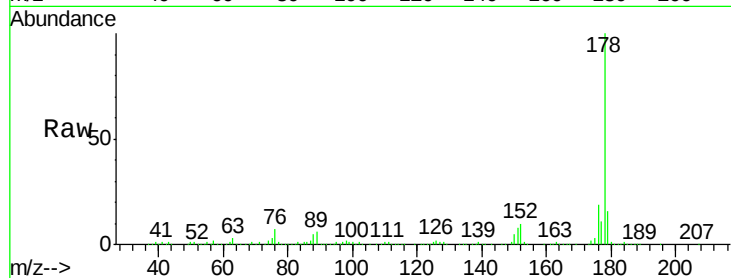




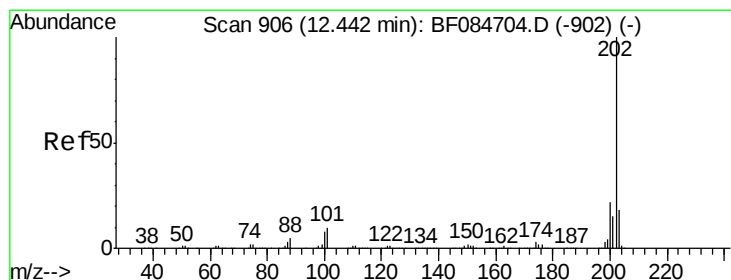
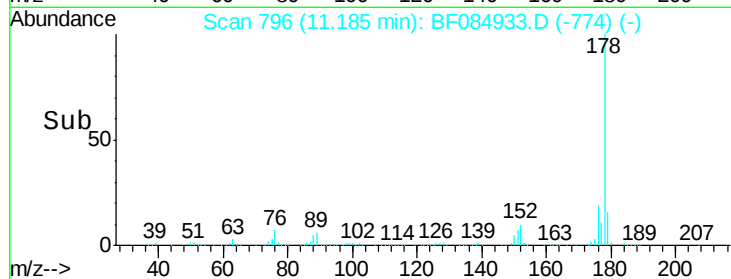
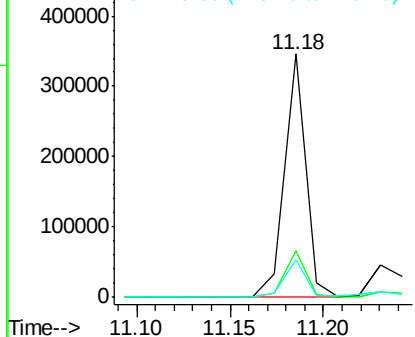
#70
Phenanthrene
Concen: 9.24 ng
RT: 11.18 min Scan# 796
Delta R.T. -0.05 min
Lab File: BF084933.D
Acq: 8 Feb 2016 17:23

Instrument :
BNA_F
ClientSampleId :
SUP-B017(5-7)

Tgt Ion:178 Resp: 274910
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.6 12.0 18.0

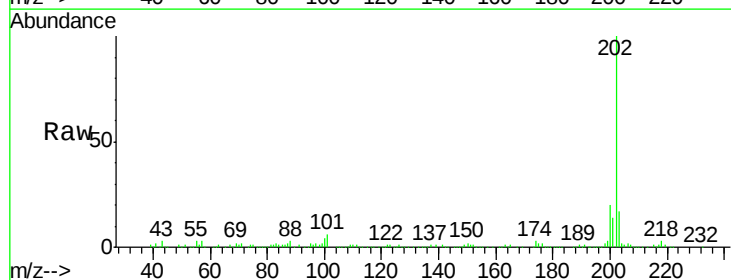


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

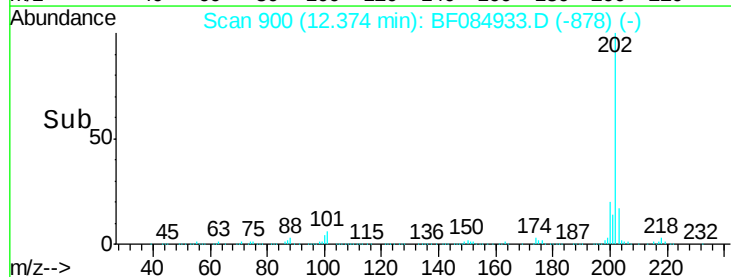
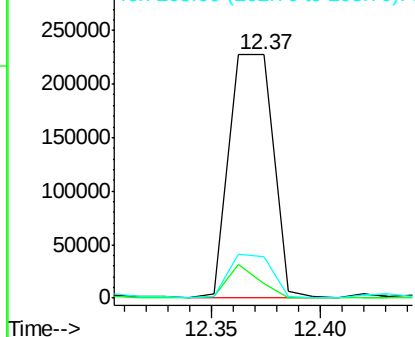


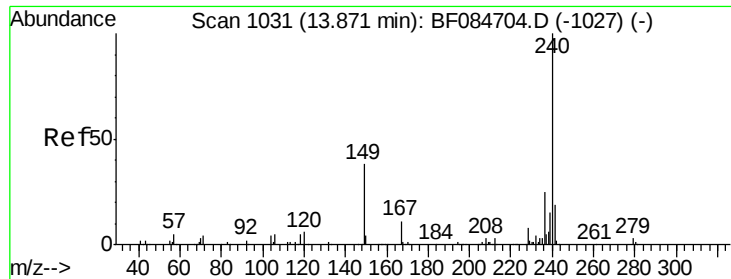
#74
Fluoranthene
Concen: 10.51 ng
RT: 12.37 min Scan# 900
Delta R.T. -0.05 min
Lab File: BF084933.D
Acq: 8 Feb 2016 17:23

Tgt Ion:202 Resp: 316261
Ion Ratio Lower Upper
202 100
101 6.0 0.0 32.8
203 17.1 0.0 37.9



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.79 min Scan# 1024

Delta R.T. -0.05 min

Lab File: BF084933.D

Acq: 8 Feb 2016 17:23

Instrument :

BNA_F

ClientSampleId :

SUP-B017(5-7)

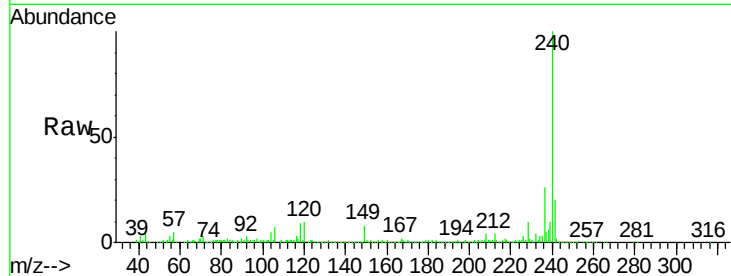
Tgt Ion:240 Resp: 355164

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

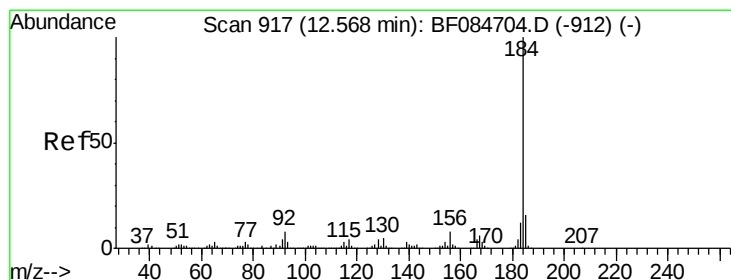
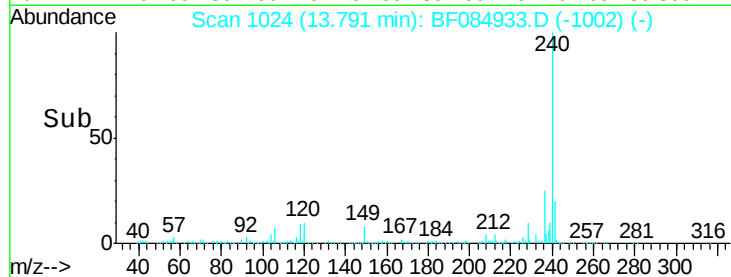
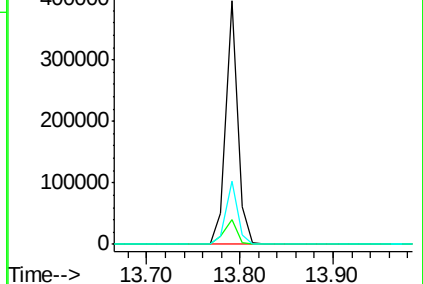
236 25.7 20.6 31.0



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



#76

Benzidine

Concen: 6.92 ng

RT: 12.33 min Scan# 896

Delta R.T. -0.22 min

Lab File: BF084933.D

Acq: 8 Feb 2016 17:23

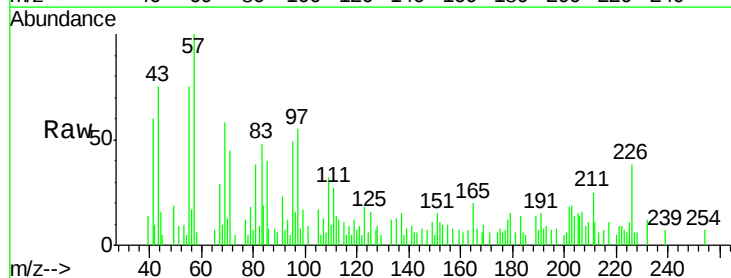
Tgt Ion:184 Resp: 470

Ion Ratio Lower Upper

184 100

185 97.2 12.2 18.2#

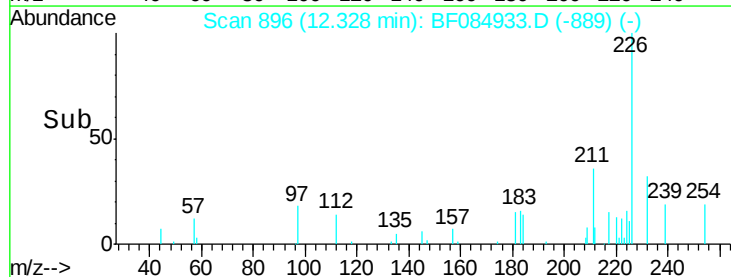
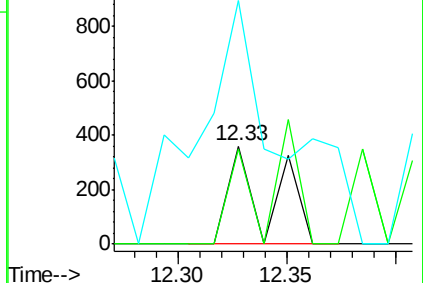
183 247.6 9.8 14.8#

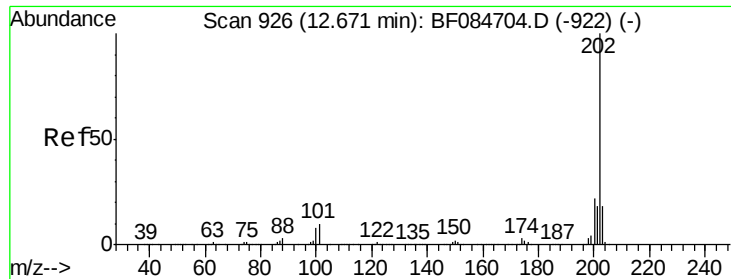


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

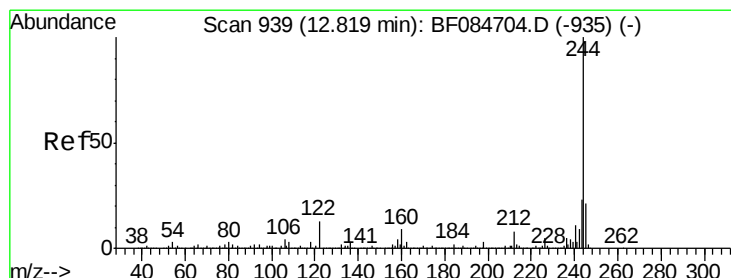
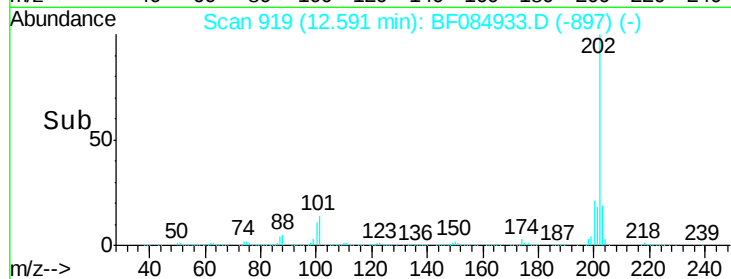
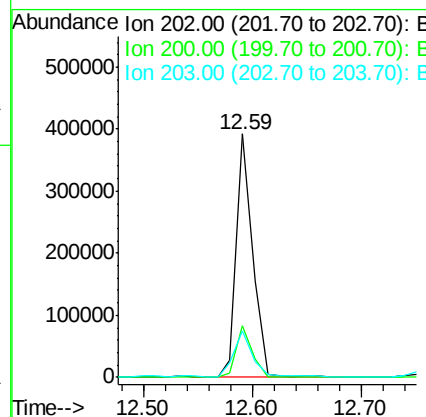
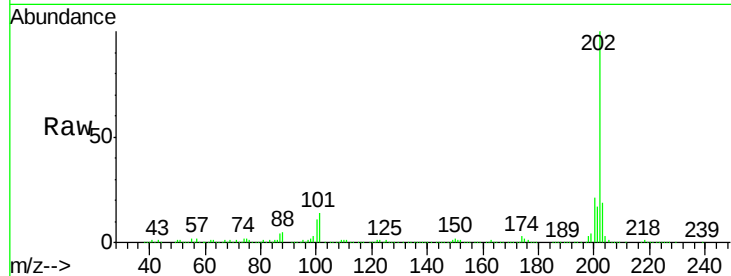




#77
 Pyrene
 Concen: 14.69 ng
 RT: 12.59 min Scan# 919
 Delta R.T. -0.05 min
 Lab File: BF084933.D
 Acq: 8 Feb 2016 17:23

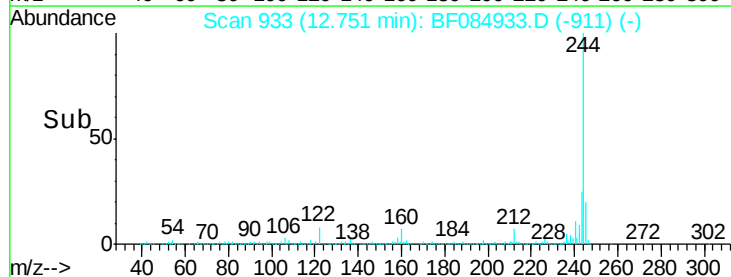
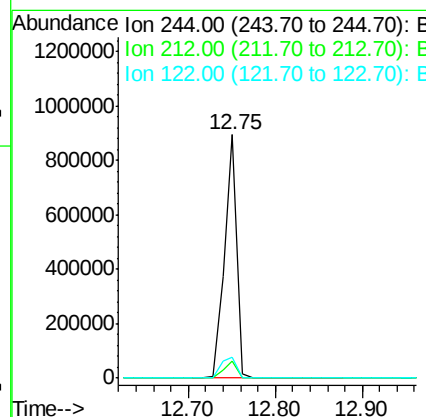
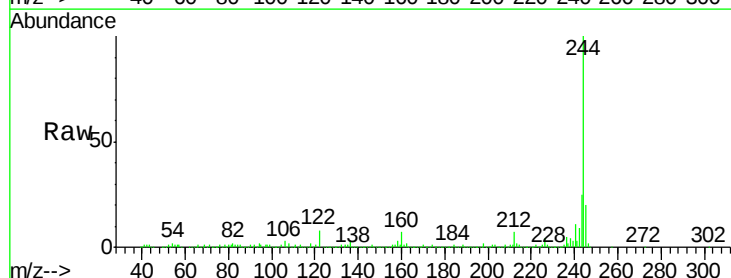
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(5-7)

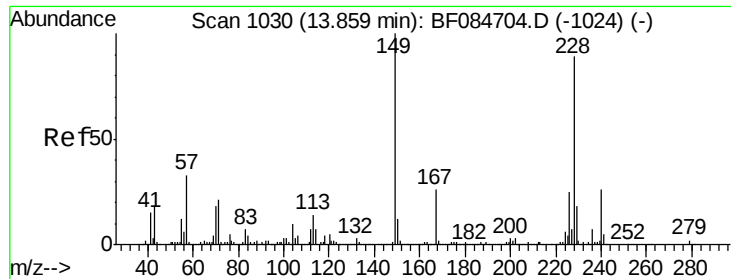
Tgt Ion:202 Resp: 399429
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.2 25.8
 203 19.0 14.3 21.5



#78
 Terphenyl-d14
 Concen: 56.80 ng
 RT: 12.75 min Scan# 933
 Delta R.T. -0.05 min
 Lab File: BF084933.D
 Acq: 8 Feb 2016 17:23

Tgt Ion:244 Resp: 890212
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 8.3 7.4 11.0





#80

Benzo(a)anthracene

Concen: 8.02 ng

RT: 13.78 min Scan# 1023

Delta R.T. -0.05 min

Lab File: BF084933.D

Acq: 8 Feb 2016 17:23

Instrument :

BNA_F

ClientSampleId :

SUP-B017(5-7)

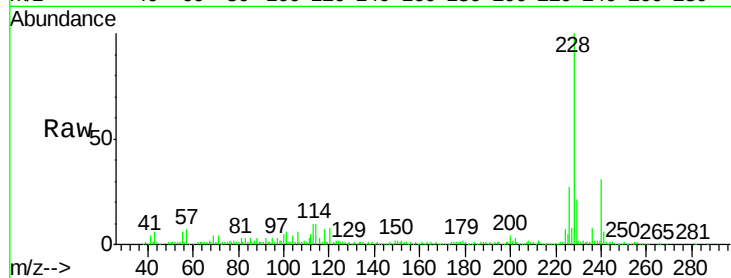
Tgt Ion:228 Resp: 176754

Ion Ratio Lower Upper

228 100

226 27.3 21.8 32.6

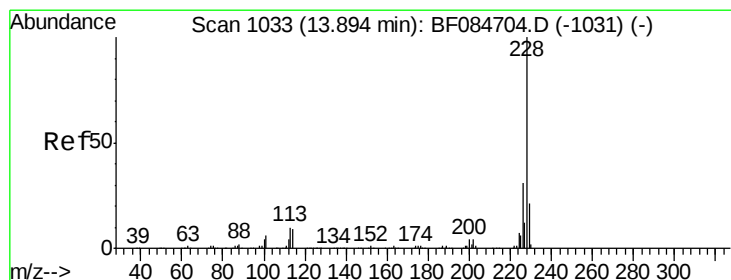
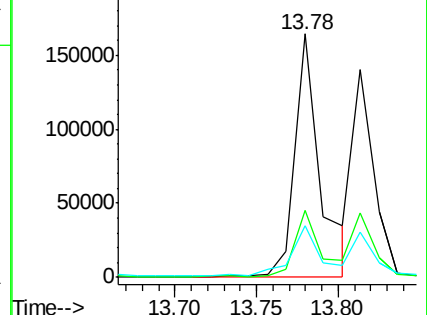
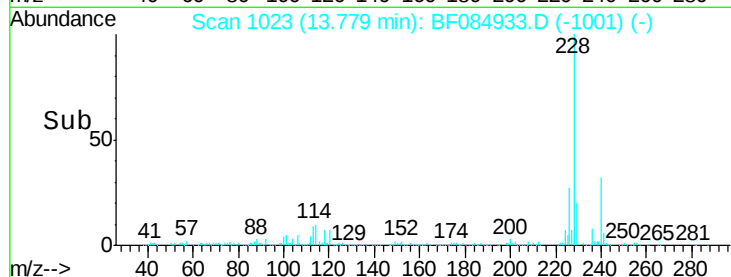
229 21.2 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 6.01 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.05 min

Lab File: BF084933.D

Acq: 8 Feb 2016 17:23

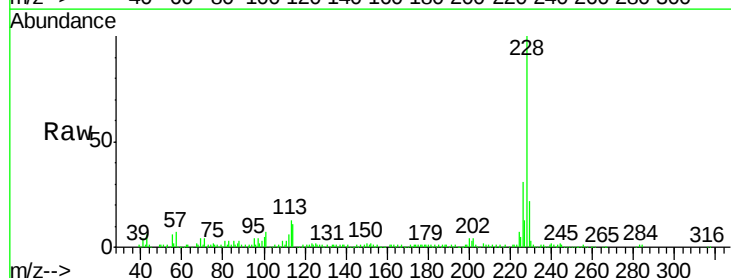
Tgt Ion:228 Resp: 128509

Ion Ratio Lower Upper

228 100

226 30.8 24.3 36.5

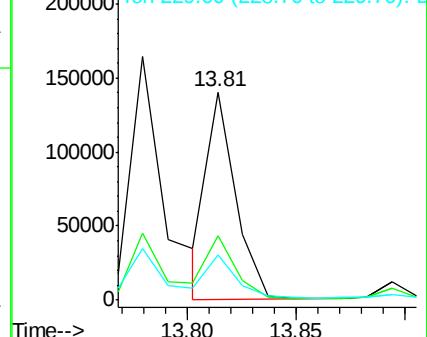
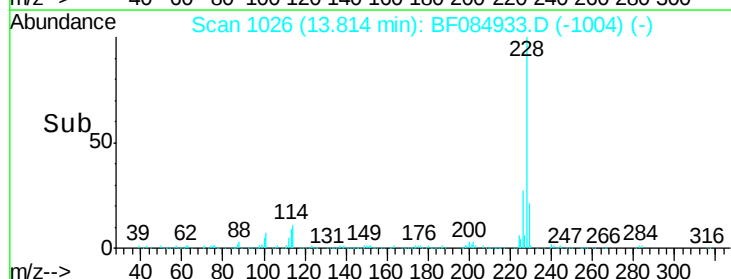
229 21.6 16.1 24.1

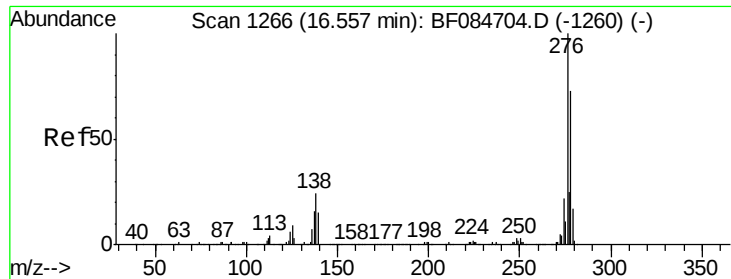


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

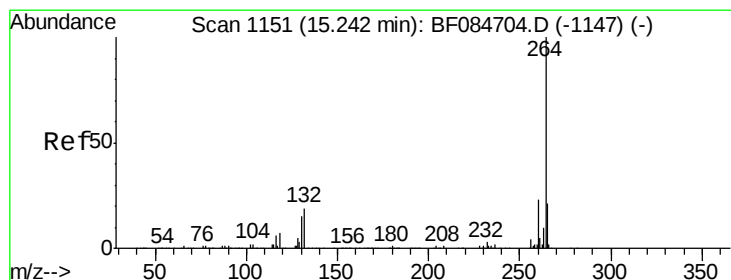
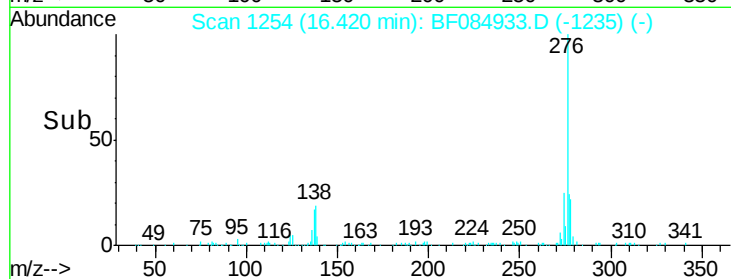
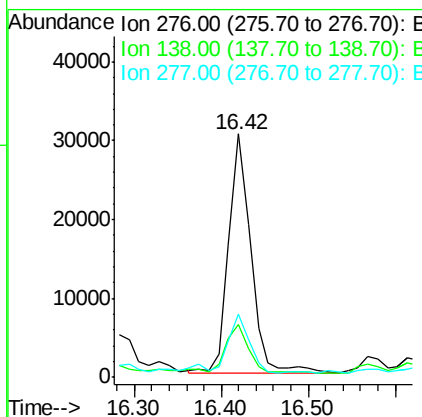
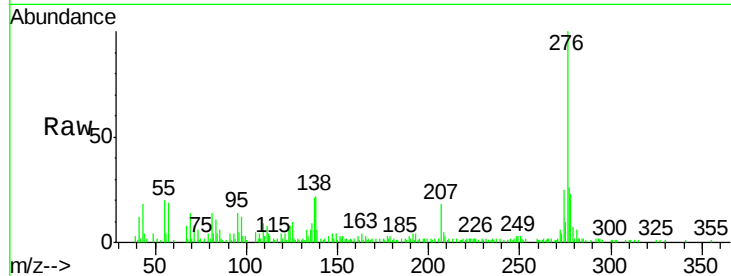




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.24 ng
 RT: 16.42 min Scan# 1254
 Delta R.T. -0.08 min
 Lab File: BF084933.D
 Acq: 8 Feb 2016 17:23

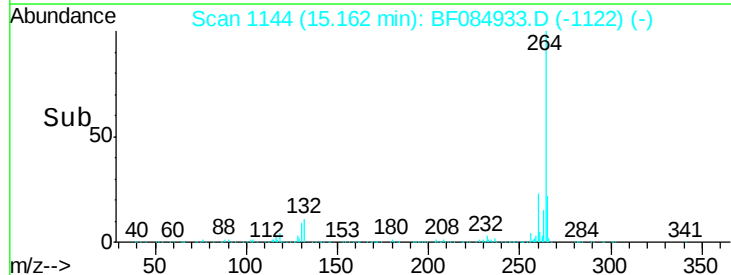
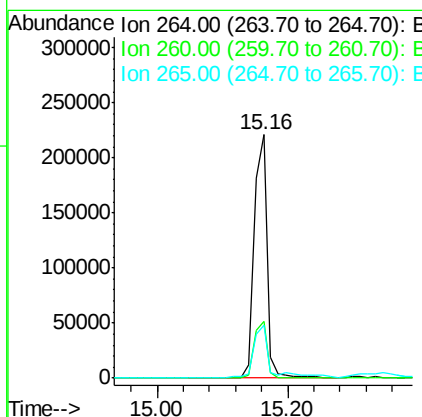
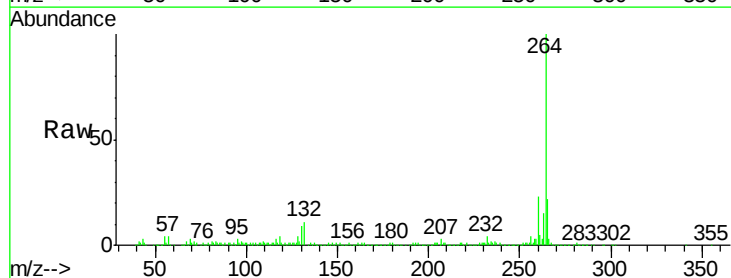
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(5-7)

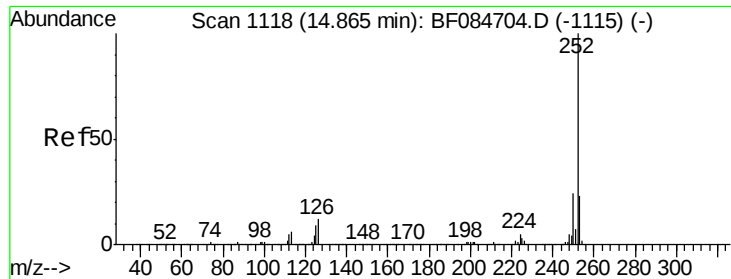
Tgt Ion:276 Resp: 54494
 Ion Ratio Lower Upper
 276 100
 138 22.3 20.6 30.8
 277 26.3 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.16 min Scan# 1144
 Delta R.T. -0.05 min
 Lab File: BF084933.D
 Acq: 8 Feb 2016 17:23

Tgt Ion:264 Resp: 309696
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.4 29.2
 265 21.7 17.8 26.6





#87

Benzo(b)fluoranthene

Concen: 8.09 ng

RT: 14.79 min Scan# 1111

Delta R.T. -0.05 min

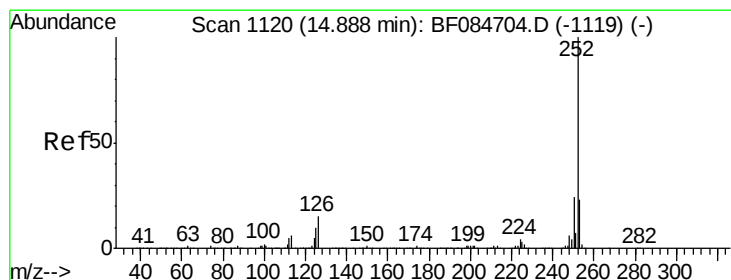
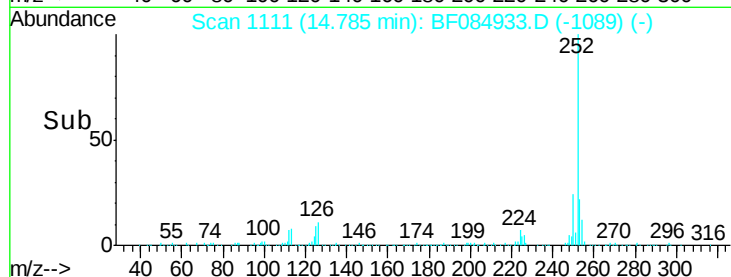
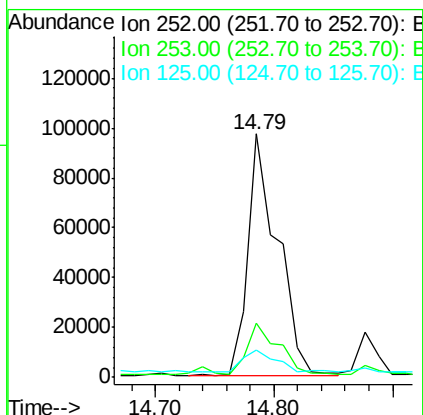
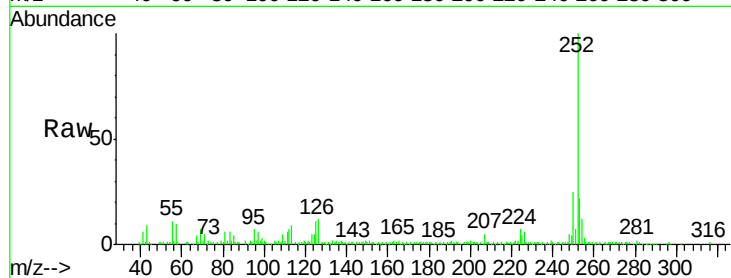
Lab File: BF084933.D

Acq: 8 Feb 2016 17:23

Instrument :
BNA_F
ClientSampleId :
SUP-B017(5-7)

Tgt Ion:252 Resp: 168362

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	11.3	6.5	9.7#



#88

Benzo(k)fluoranthene

Concen: 9.79 ng

RT: 14.79 min Scan# 1111

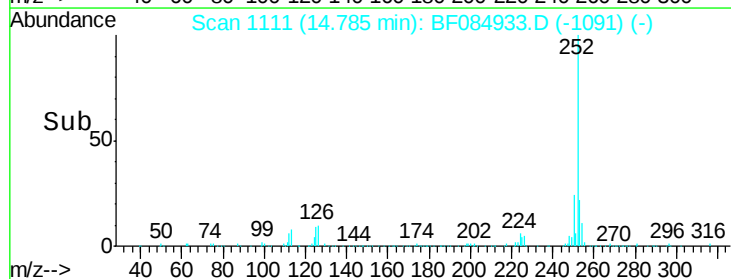
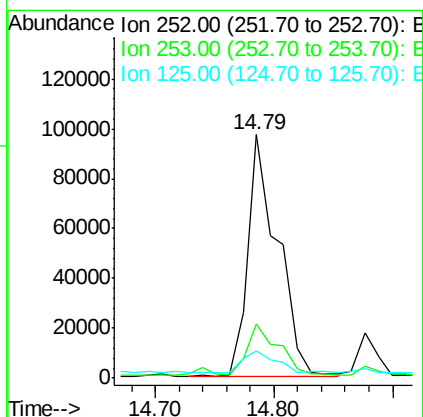
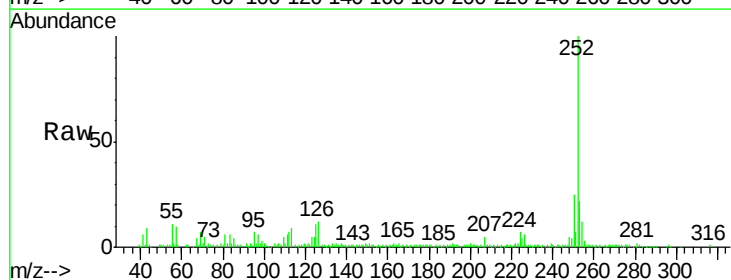
Delta R.T. -0.07 min

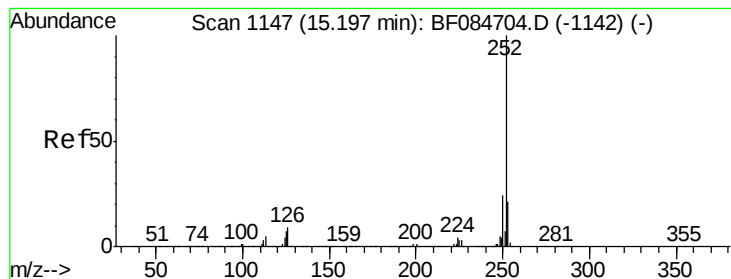
Lab File: BF084933.D

Acq: 8 Feb 2016 17:23

Tgt Ion:252 Resp: 168362

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	11.3	9.0	13.6





#89

Benzo(a)pyrene

Concen: 5.95 ng

RT: 15.11 min Scan# 1139

Delta R.T. -0.05 min

Lab File: BF084933.D

Acq: 8 Feb 2016 17:23

Instrument :

BNA_F

ClientSampleId :

SUP-B017(5-7)

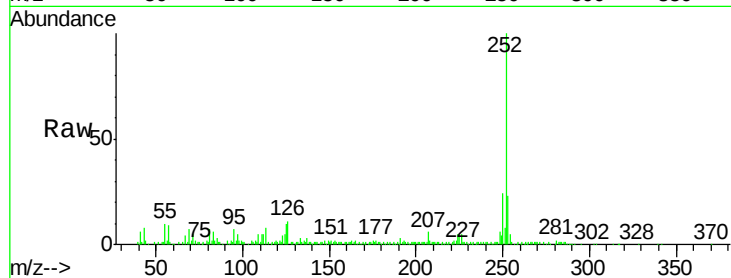
Tgt Ion:252 Resp: 105449

Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

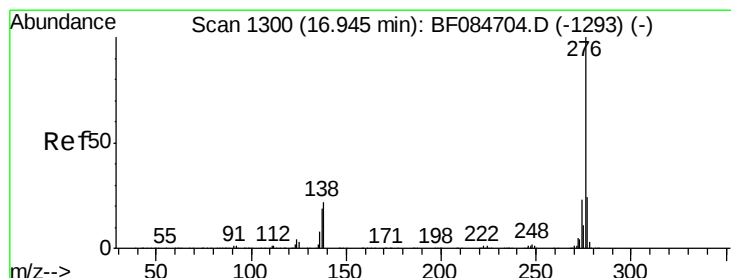
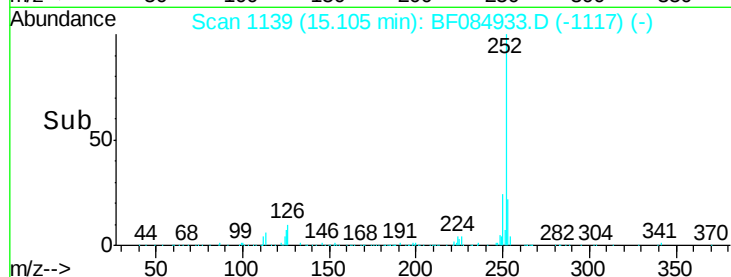
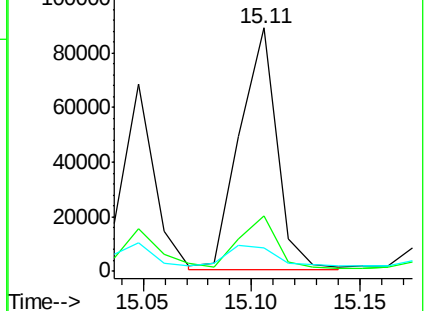
125 9.6 7.0 10.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 3.44 ng

RT: 16.80 min Scan# 1287

Delta R.T. -0.09 min

Lab File: BF084933.D

Acq: 8 Feb 2016 17:23

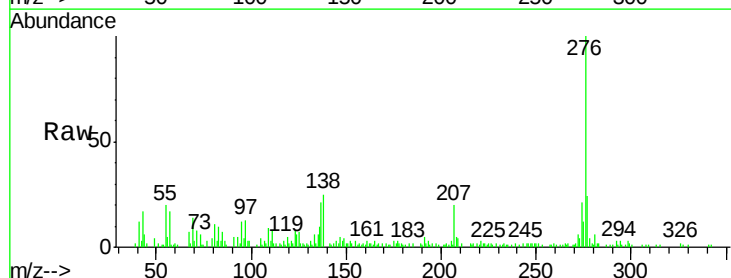
Tgt Ion:276 Resp: 51677

Ion Ratio Lower Upper

276 100

277 23.8 18.8 28.2

138 24.7 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

