

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098934.D
 Acq On : 29 Sep 2017 4:04
 Operator : SJ/JU
 Sample : I5514-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 04:36:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	114548	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	396951	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	145637	20.00	ng	-0.01
63) Phenanthrene-d10	11.45	188	253880	20.00	ng	0.00
75) Chrysene-d12	14.09	240	243282	20.00	ng	0.00
86) Perylene-d12	15.58	264	177500	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	150519	20.92	ng	-0.01
7) Phenol-d6	6.53	99	164473	18.53	ng	-0.01
23) Nitrobenzene-d5	7.47	82	87974	14.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	20356	17.08	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	148567	17.03	ng	-0.01
78) Terphenyl-d14	13.02	244	138757	12.97	ng	-0.01

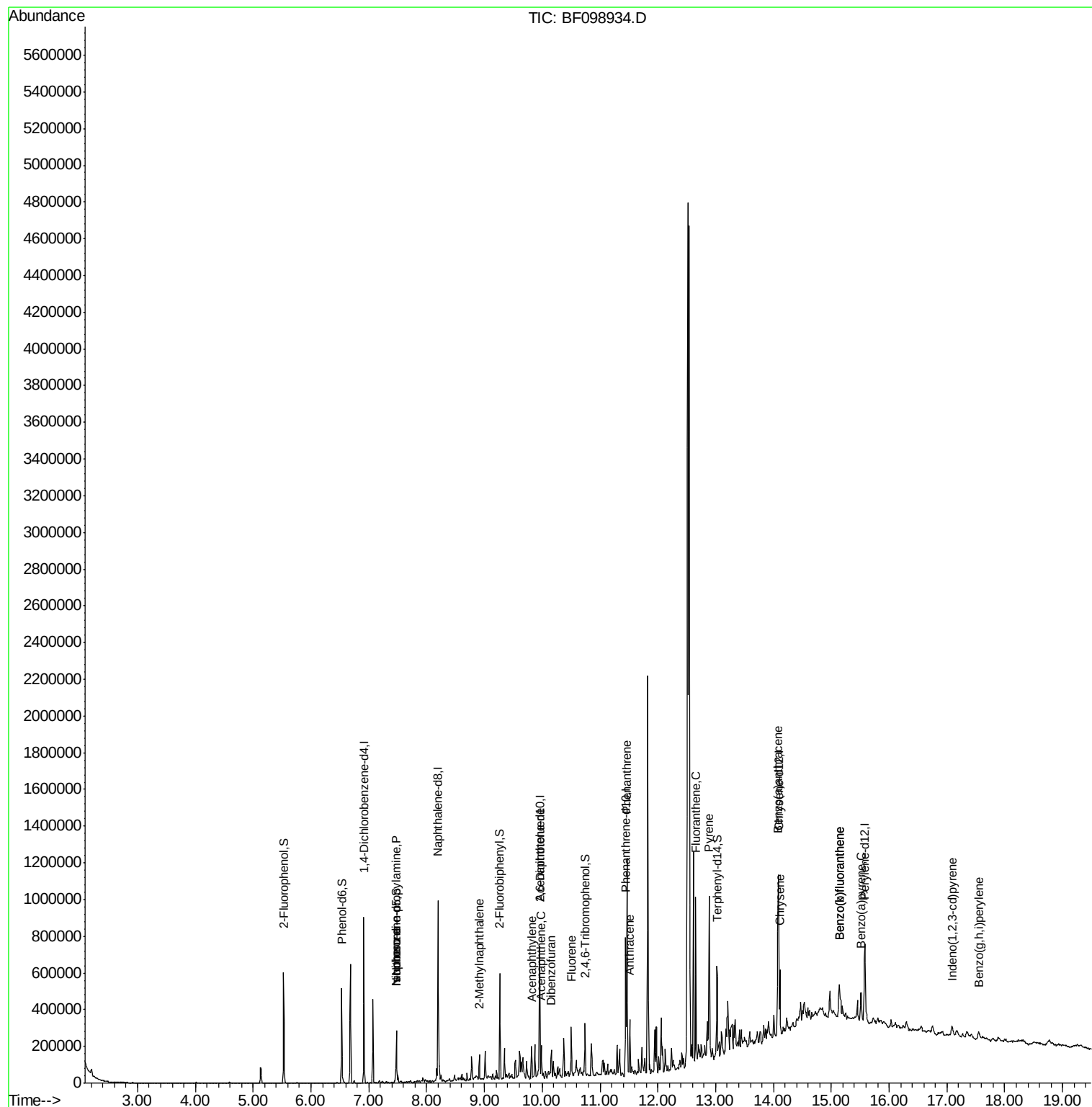
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.47	70	11573	2.04	ng	# 83
25) Isophorone	7.47	82	87973	6.87	ng	# 64
37) 2-Methylnaphthalene	8.91	142	33194	2.74	ng	99
48) Acenaphthylene	9.82	152	54510	3.79	ng	96
50) 2,6-Dinitrotoluene	9.95	165	20630	8.62	ng	# 25
51) Acenaphthene	9.99	154	29081	3.19	ng	96
54) Dibenzofuran	10.16	168	37420	3.08	ng	# 96
57) Fluorene	10.50	166	77247	7.92	ng	99
70) Phenanthrene	11.47	178	403160	29.67	ng	99
71) Anthracene	11.52	178	102875	7.40	ng	99
74) Fluoranthene	12.66	202	304306	22.11	ng	99
77) Pyrene	12.89	202	327633	17.66	ng	99
80) Benzo(a)anthracene	14.07	228	133725	9.08	ng	92
82) Chrysene	14.11	228	113456	8.09	ng	98
85) Indeno(1,2,3-cd)pyrene	17.09	276	31029	2.77	ng	99
87) Benzo(b)fluoranthene	15.14	252	126912	11.63	ng	# 92
88) Benzo(k)fluoranthene	15.14	252	126912	11.77	ng	# 94
89) Benzo(a)pyrene	15.52	252	72415	7.23	ng	# 95
91) Benzo(a,h,i)perylene	17.55	276	32051	4.04	ng	97

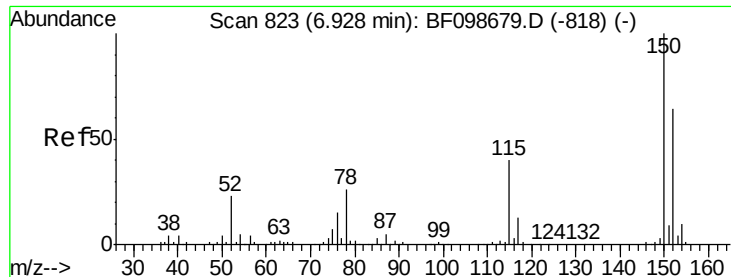
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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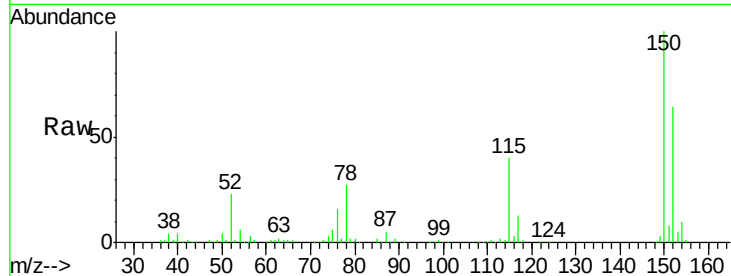


#1

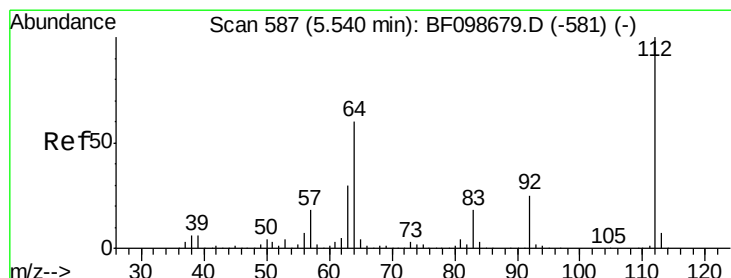
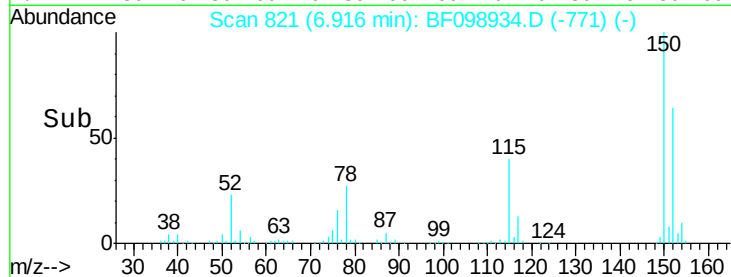
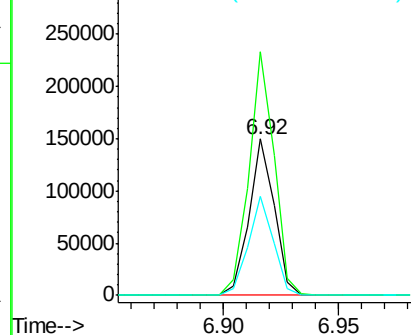
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 114548
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 63.1 50.1 75.1



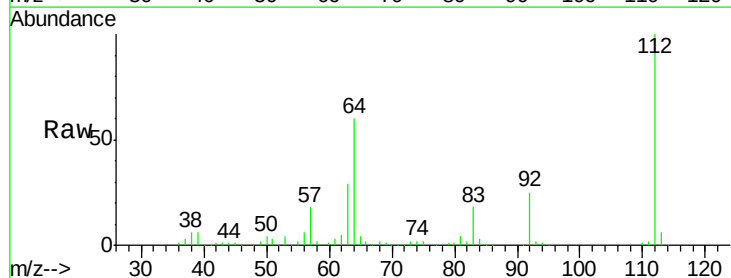
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



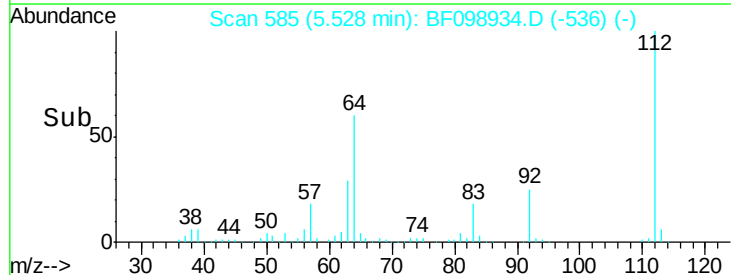
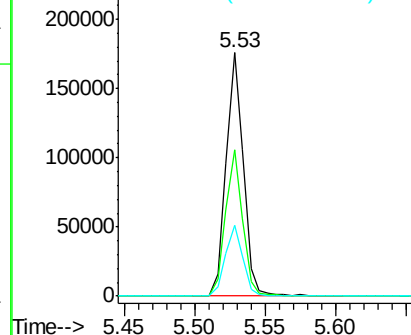
#5

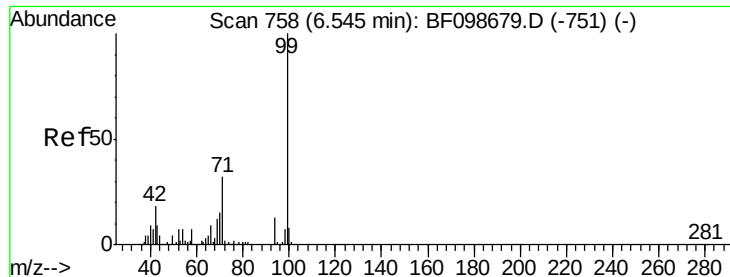
2-Fluorophenol
Concen: 20.92 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Tgt Ion:112 Resp: 150519
Ion Ratio Lower Upper
112 100
64 60.1 47.9 71.9
63 29.3 23.7 35.5



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: 18.53 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

Instrument :

BNA_F

ClientSampled :

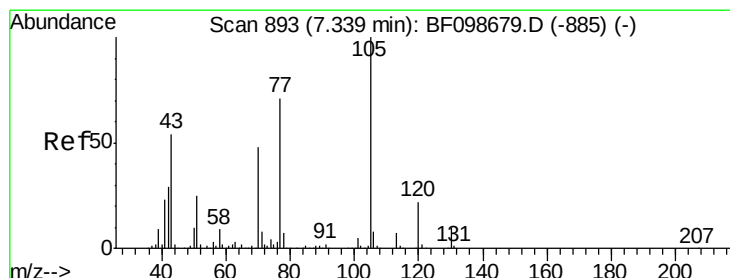
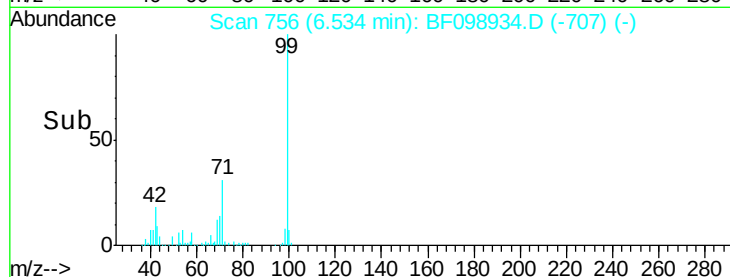
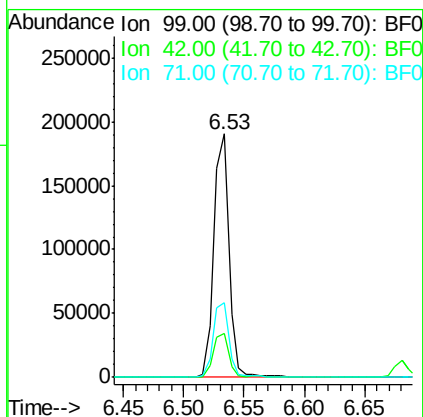
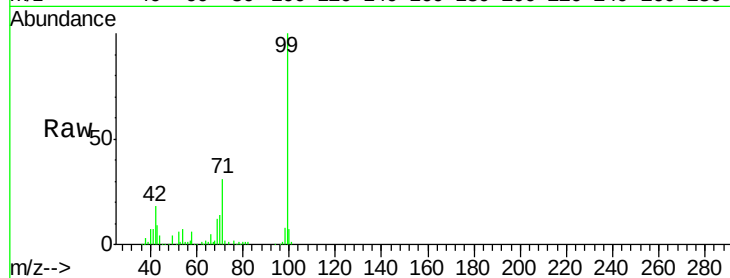
Tot Ion: 99 Resp: 164473

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

71 30.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.04 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.14 min

Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

Tgt Ion: 70 Resp: 11573

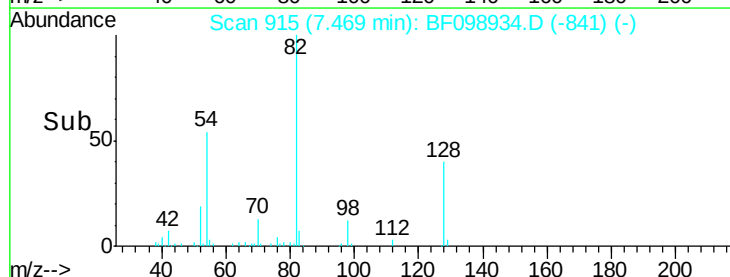
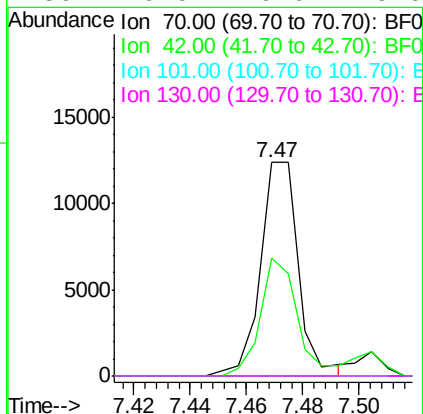
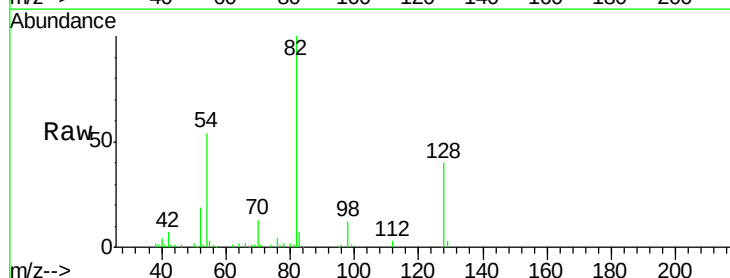
Ion Ratio Lower Upper

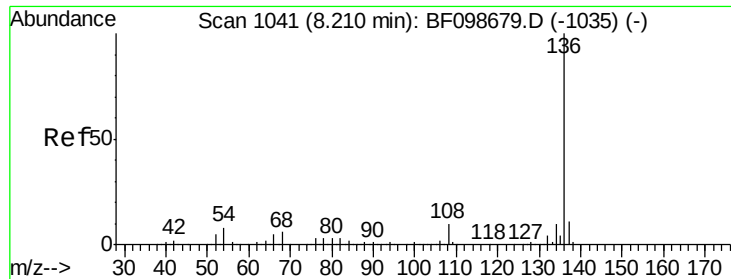
70 100

42 55.0 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

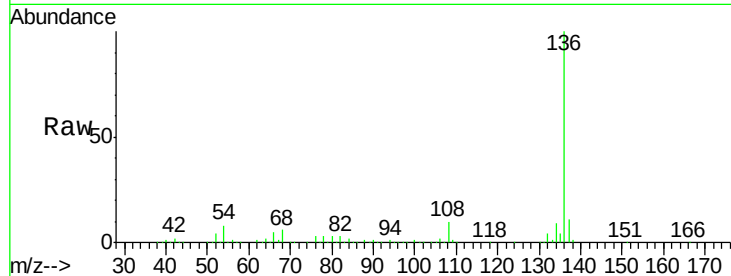




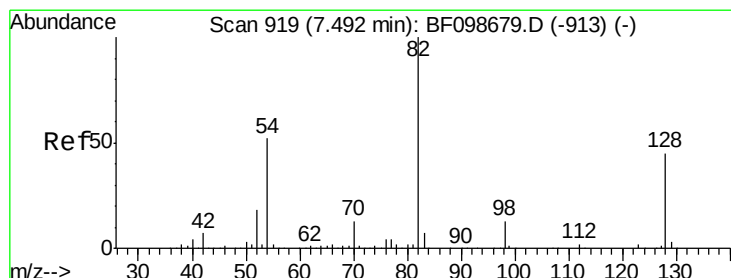
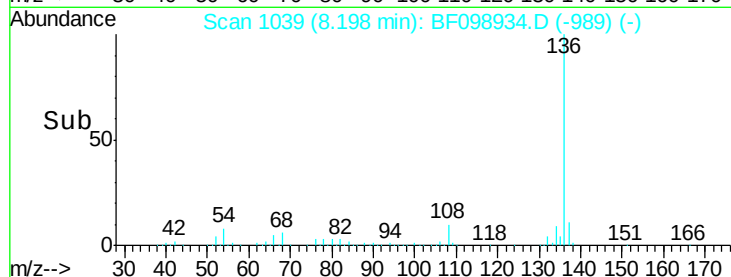
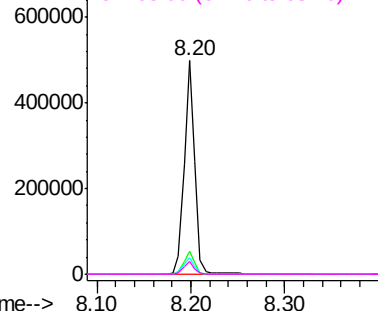
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	396951
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.9 13.3
54	7.7	6.6 9.8
68	5.9	5.0 7.4

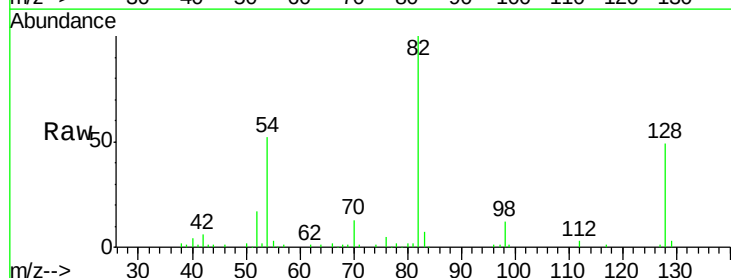


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

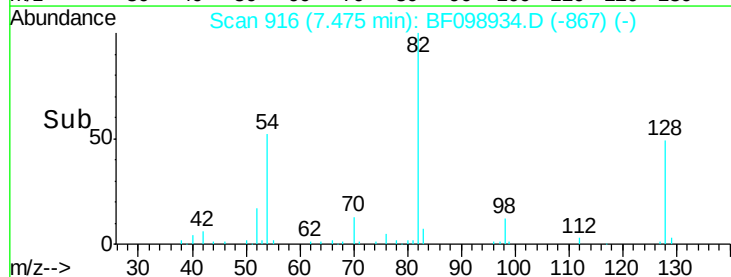
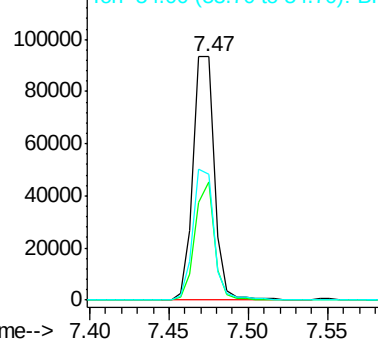


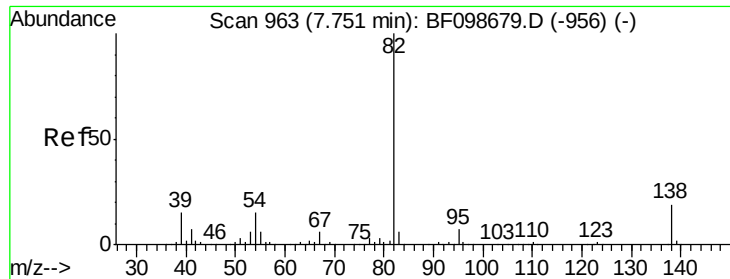
#23
Nitrobenzene-d5
Concen: 14.21 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Tgt Ion: 82	Resp:	87974
Ion	Ratio	Lower Upper
82	100	
128	48.7	36.1 54.1
54	51.9	41.4 62.2



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: 6.87 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

Instrument :

BNA_F

ClientSampled :

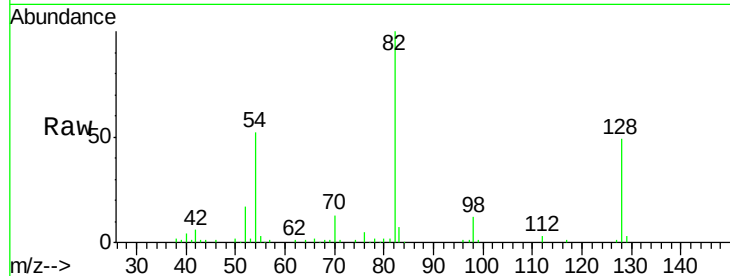
Tot Ion: 82 Resp: 87973

Ion Ratio Lower Upper

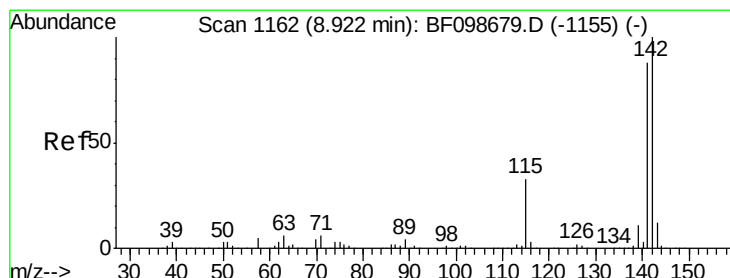
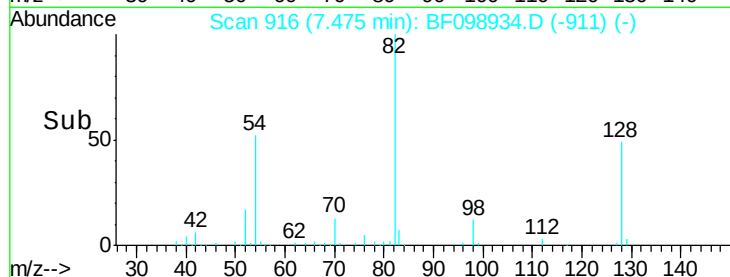
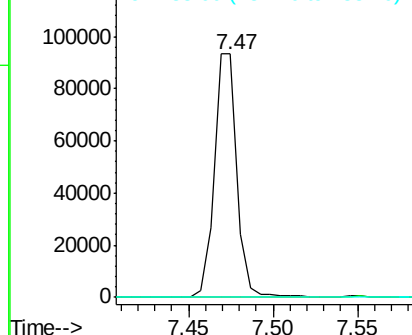
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#37

2-Methylnaphthalene

Concen: 2.74 ng

RT: 8.91 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

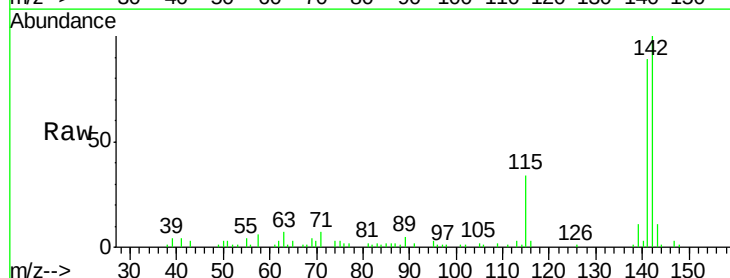
Tgt Ion: 142 Resp: 33194

Ion Ratio Lower Upper

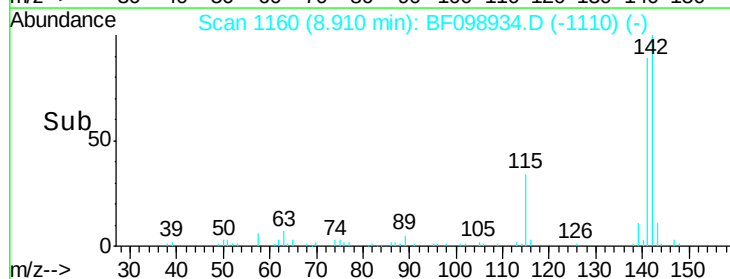
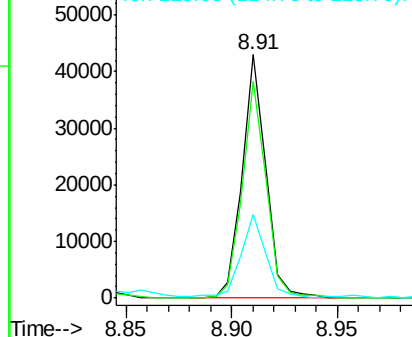
142 100

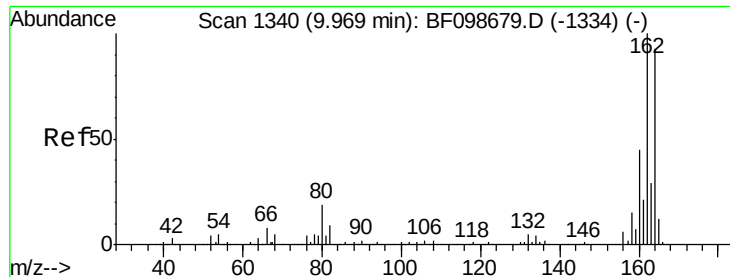
141 88.8 70.8 106.2

115 34.3 26.1 39.1



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

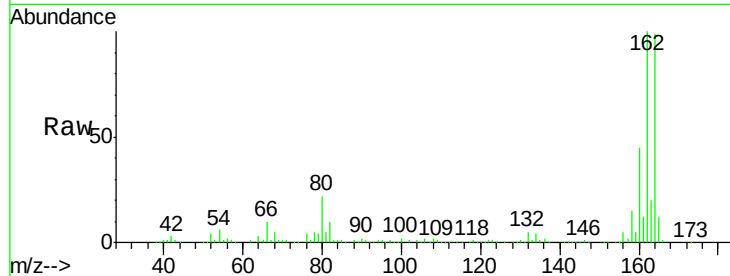




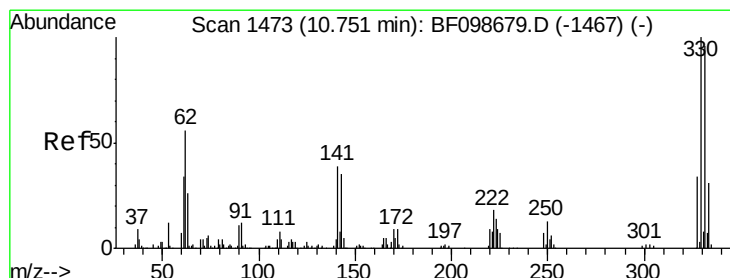
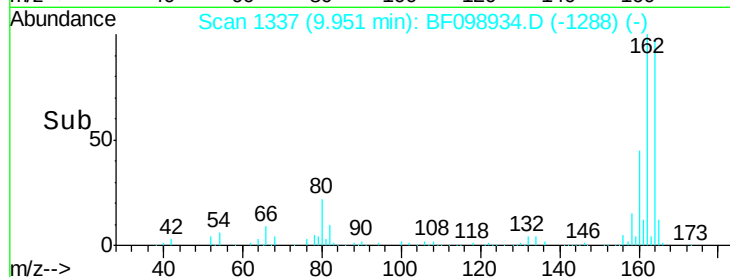
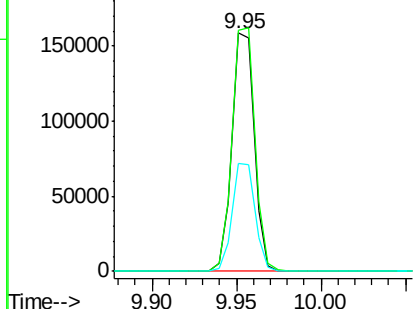
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098934.D
 Acq: 29 Sep 2017 4:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 145637
 Ion Ratio Lower Upper
 164 100
 162 101.4 86.1 129.1
 160 45.2 38.3 57.5

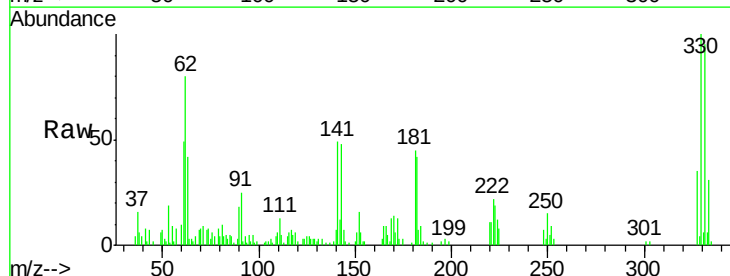


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

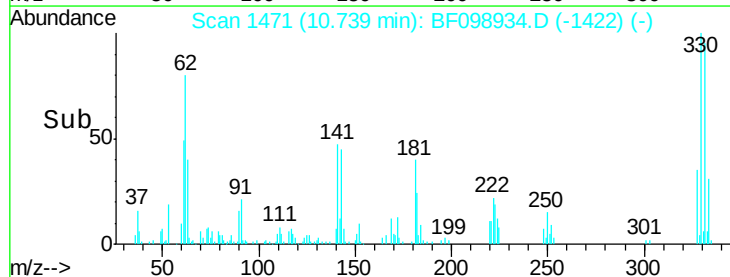
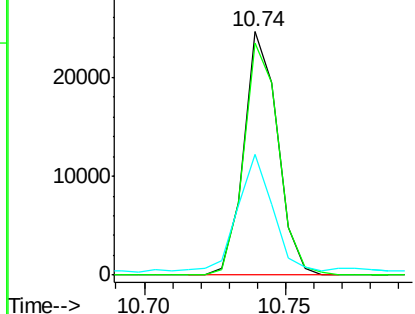


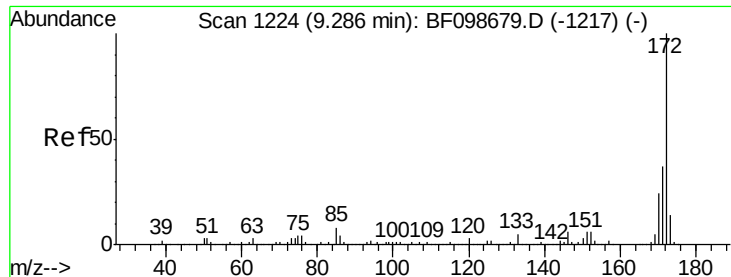
#41
 2,4,6-Tribromophenol
 Concen: 17.08 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098934.D
 Acq: 29 Sep 2017 4:04

Tgt Ion:330 Resp: 20356
 Ion Ratio Lower Upper
 330 100
 332 98.2 77.0 115.6
 141 49.4 29.9 44.9#



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

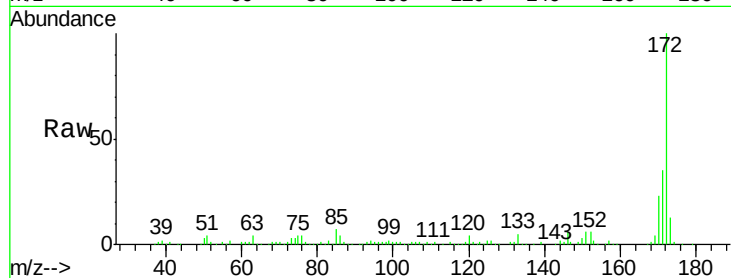




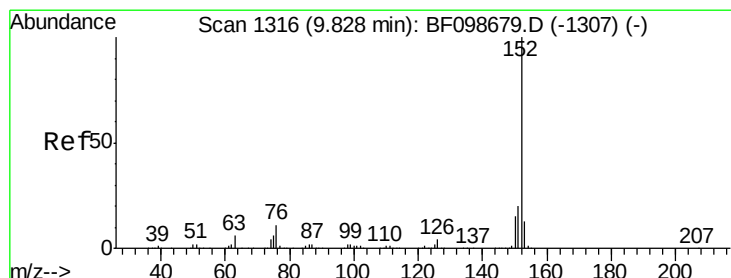
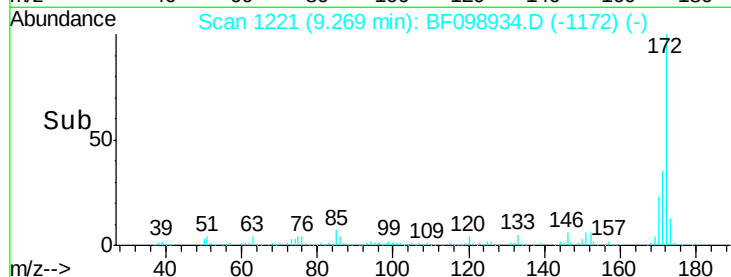
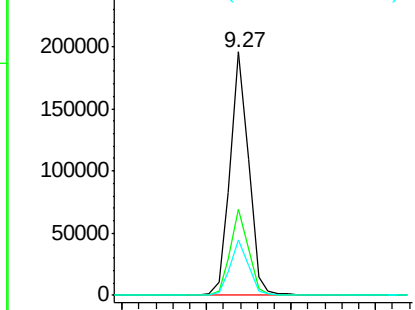
#44
2-Fluorobiphenyl
Concen: 17.03 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 148567
Ion Ratio Lower Upper
172 100
171 35.4 29.7 44.5
170 22.6 19.6 29.4

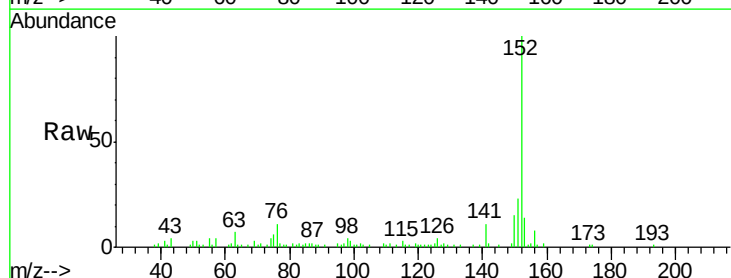


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

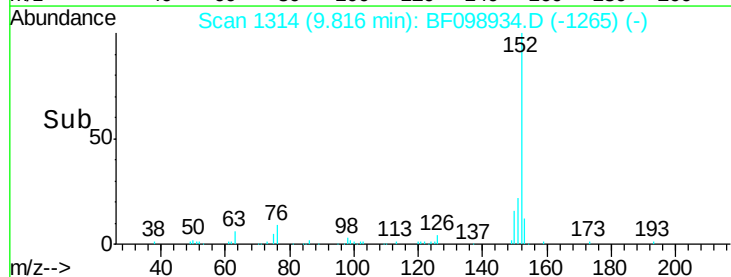
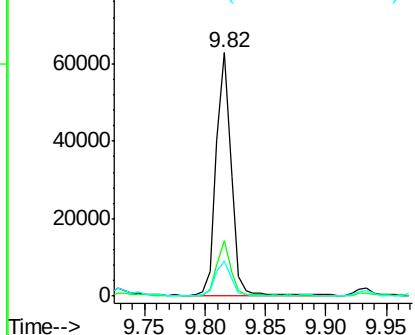


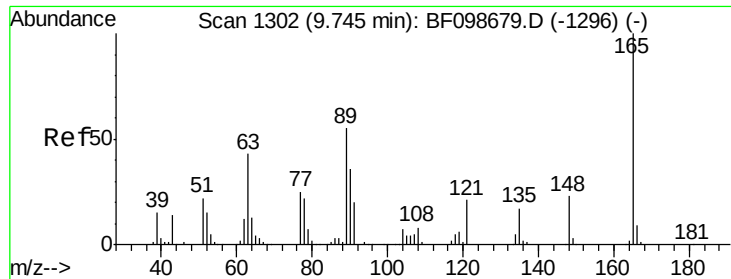
#48
Acenaphthylene
Concen: 3.79 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Tgt Ion:152 Resp: 54510
Ion Ratio Lower Upper
152 100
151 22.9 16.3 24.5
153 14.3 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

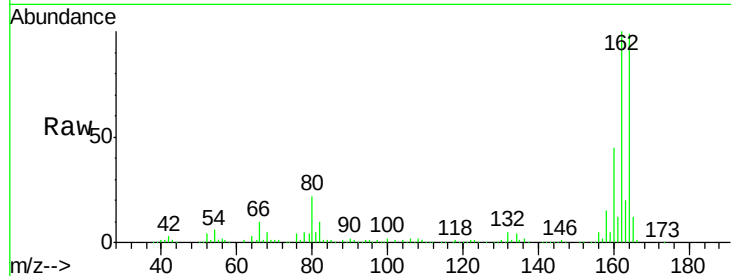




#50
 2,6-Dinitrotoluene
 Concen: 8.62 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.21 min
 Lab File: BF098934.D
 Acq: 29 Sep 2017 4:04

Instrument :
 BNA_F
 ClientSampleId :

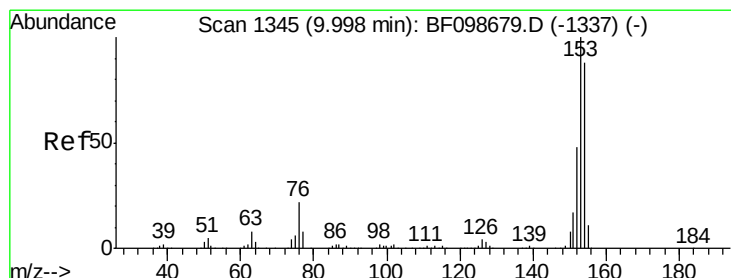
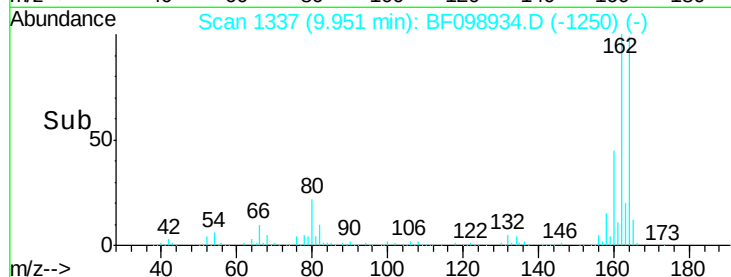
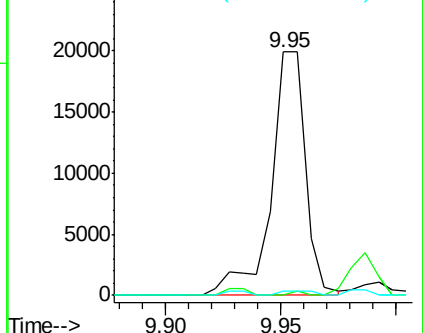
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.5	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

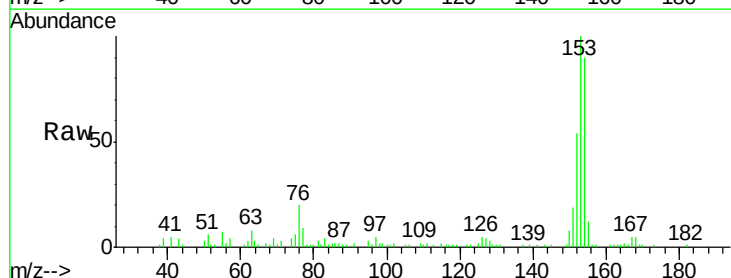
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51
 Acenaphthene
 Concen: 3.19 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: BF098934.D
 Acq: 29 Sep 2017 4:04

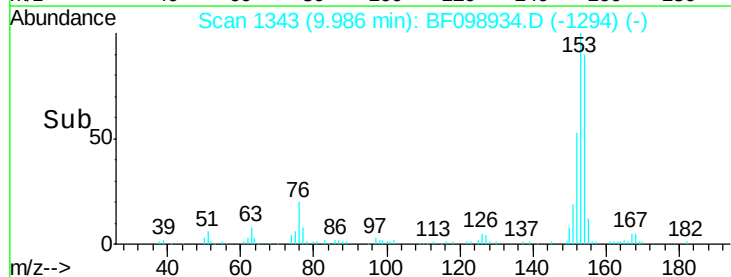
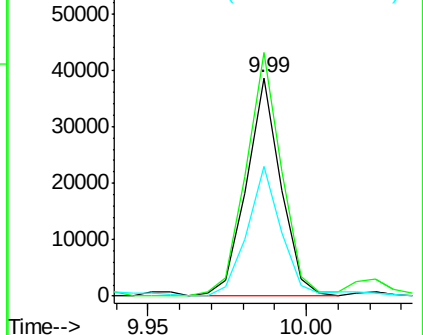
Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.5	91.2	136.8
152	59.7	43.8	65.8

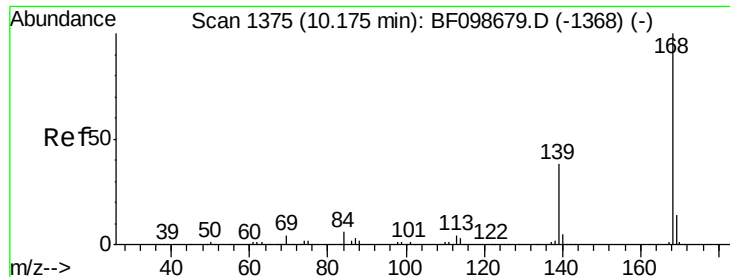


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 3.08 ng

RT: 10.16 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

Instrument :

BNA_F

ClientSampleId :

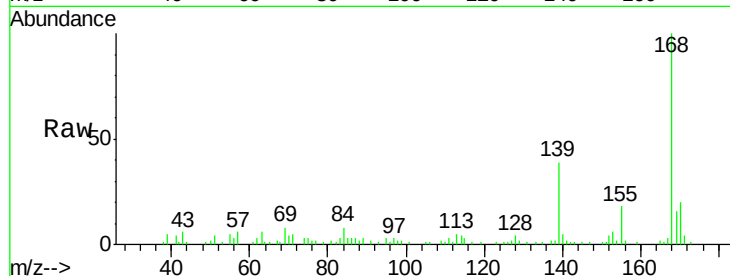
Tot Ion:168 Resp: 37420

Ion Ratio Lower Upper

168 100

139 39.1 30.1 45.1

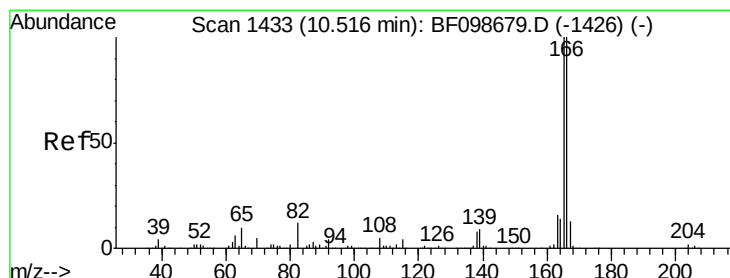
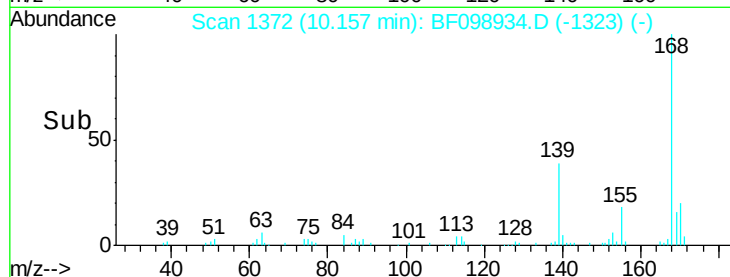
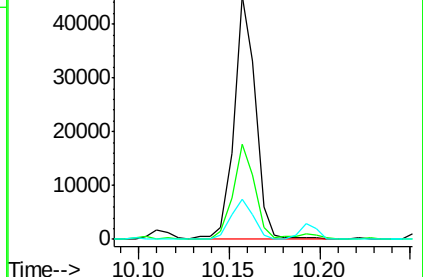
169 16.3 10.9 16.3#



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



#57

Fluorene

Concen: 7.92 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

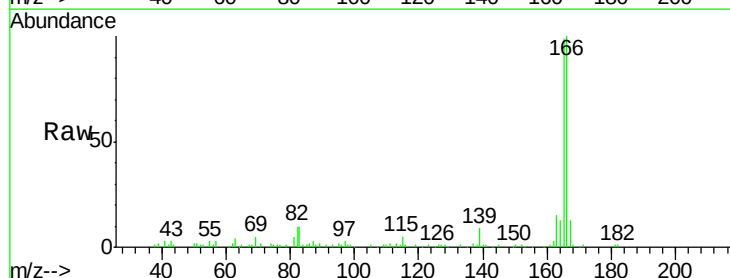
Tgt Ion:166 Resp: 77247

Ion Ratio Lower Upper

166 100

165 98.9 79.8 119.8

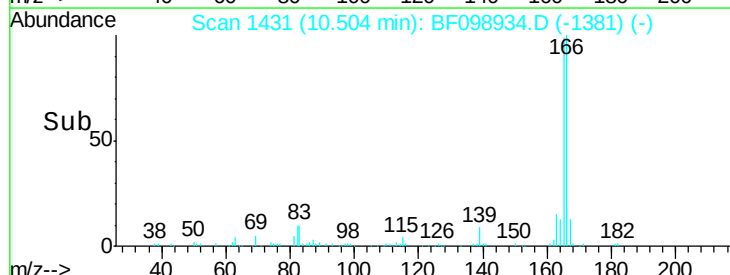
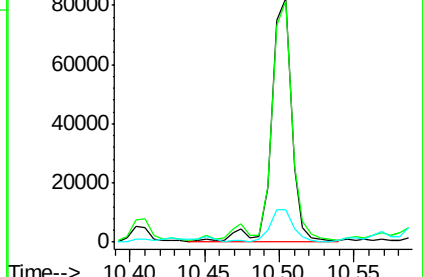
167 13.1 10.6 16.0

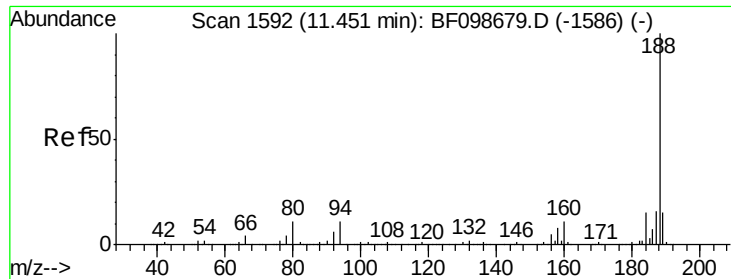


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

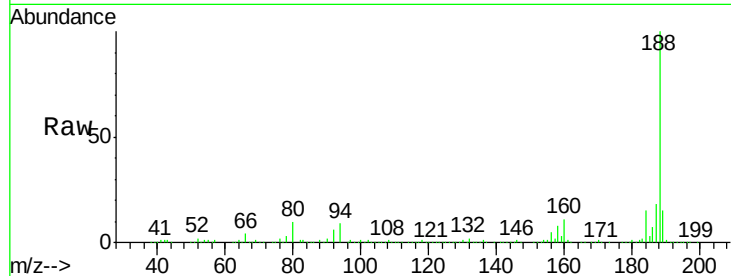




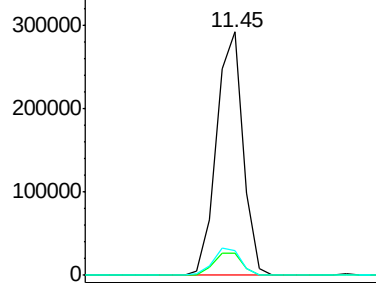
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Instrument :
BNA_F
ClientSampleId :

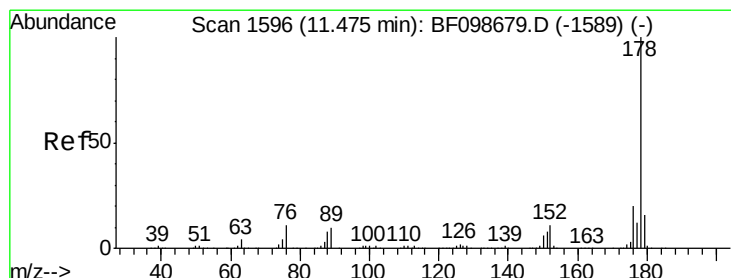
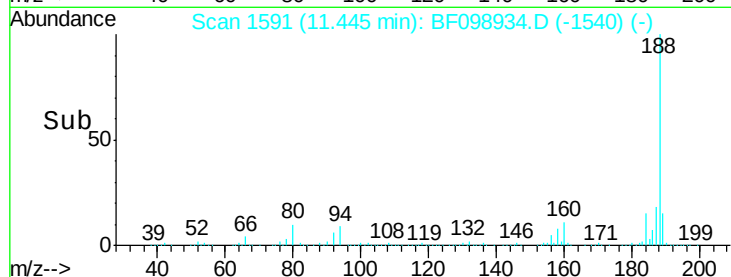
Tot Ion:188 Resp: 253880
Ion Ratio Lower Upper
188 100
94 9.4 8.5 12.7
80 10.4 9.2 13.8



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

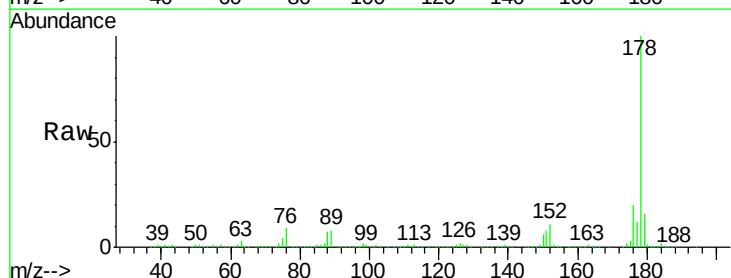


Time-->

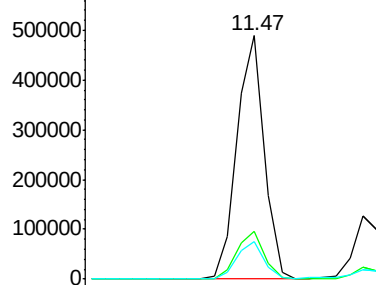


#70
Phenanthrene
Concen: 29.67 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

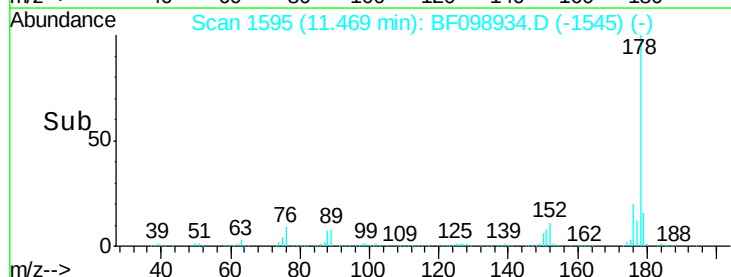
Tgt Ion:178 Resp: 403160
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.6 13.0 19.6

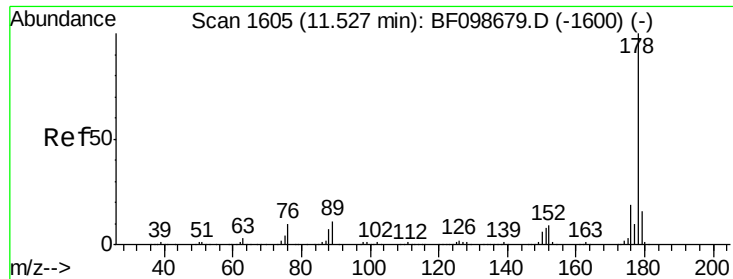


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





#71

Anthracene

Concen: 7.40 ng

RT: 11.52 min Scan# 1603

Delta R.T. -0.01 min

Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

Instrument :

BNA_F

ClientSampleId :

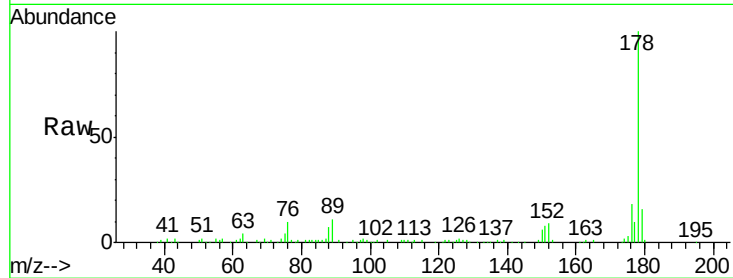
Tot Ion:178 Resp: 102875

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

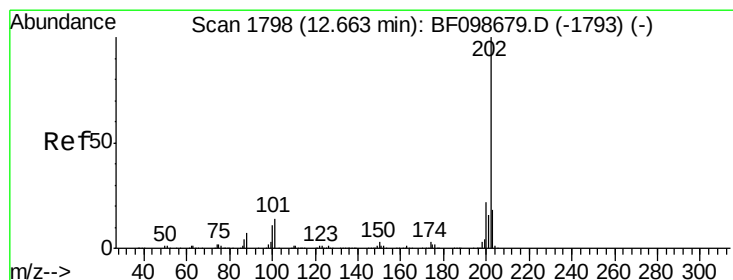
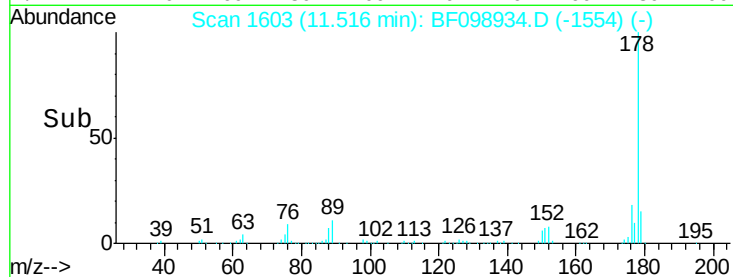
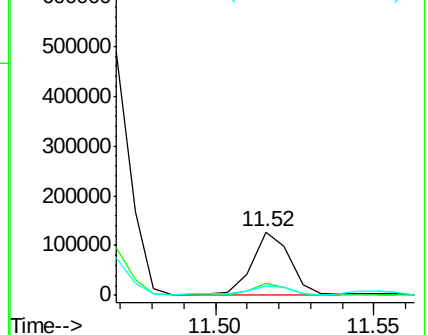
179 15.8 12.6 19.0



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



#74

Fluoranthene

Concen: 22.11 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

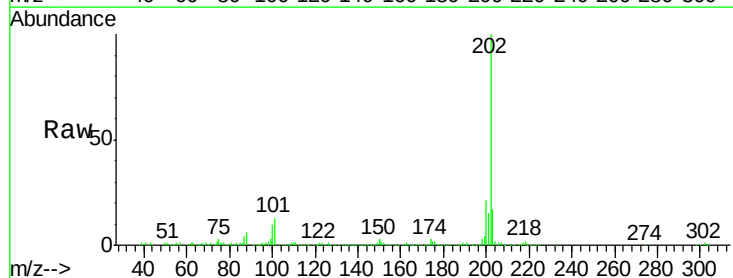
Tgt Ion:202 Resp: 304306

Ion Ratio Lower Upper

202 100

101 13.5 0.0 34.1

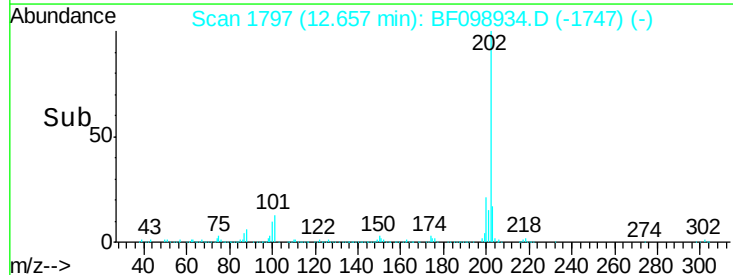
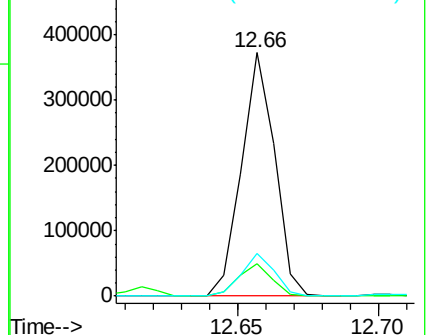
203 17.5 0.0 38.1

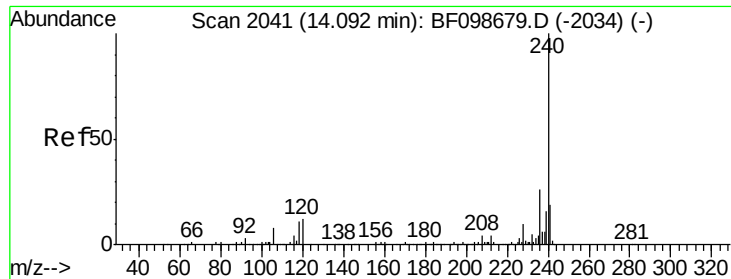


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

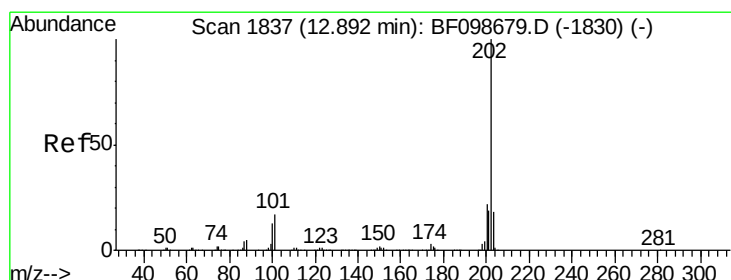
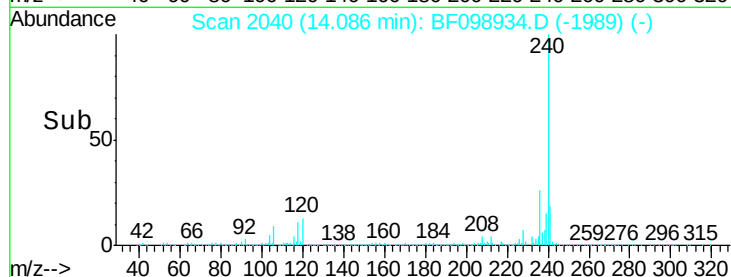
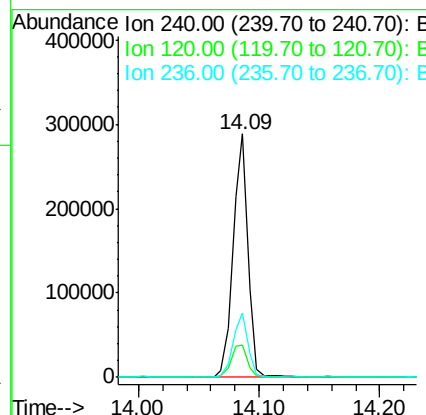
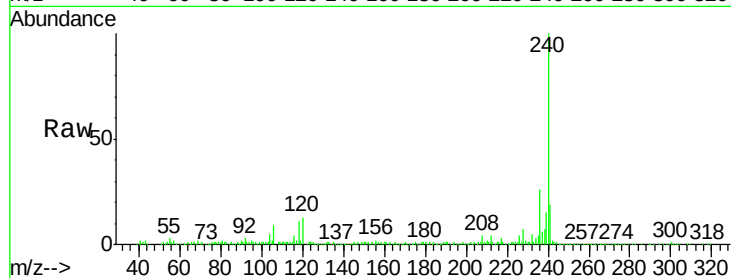




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. 0.00 min
 Lab File: BF098934.D
 Acq: 29 Sep 2017 4:04

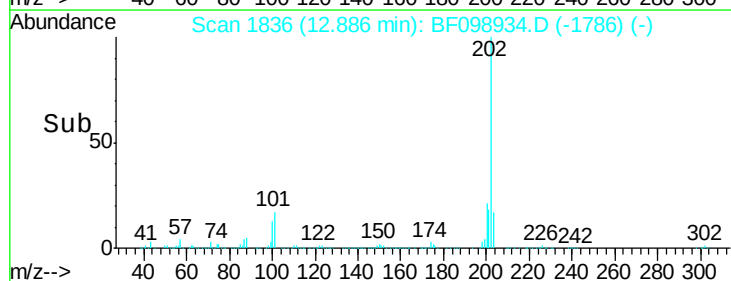
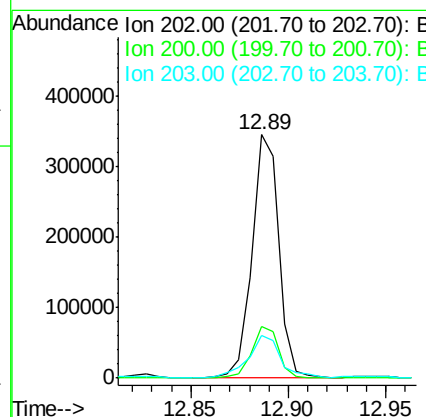
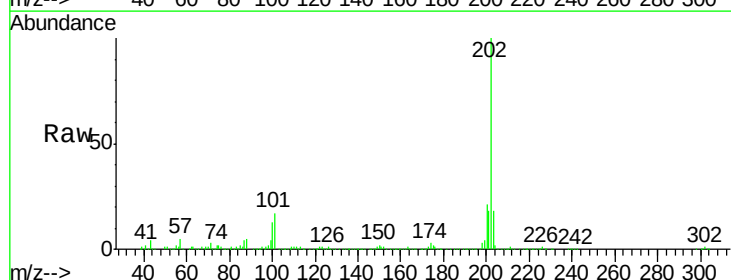
Instrument :
 BNA_F
 ClientSampleId :

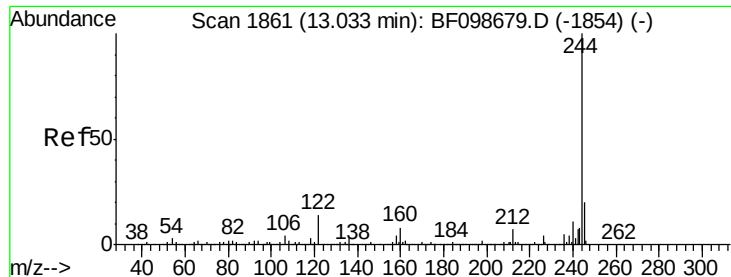
Tot Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.5	14.3
236	26.4	20.7	31.1



#77
 Pyrene
 Concen: 17.66 ng
 RT: 12.89 min Scan# 1836
 Delta R.T. -0.01 min
 Lab File: BF098934.D
 Acq: 29 Sep 2017 4:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.8	14.3	21.5





#78

Terphenyl-d14

Concen: 12.97 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

Instrument :

BNA_F

ClientSampleId :

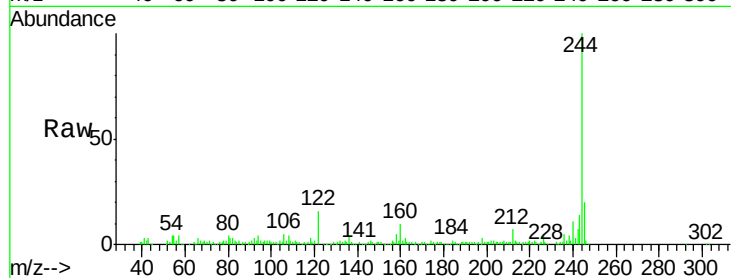
Tot Ion:244 Resp: 138757

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

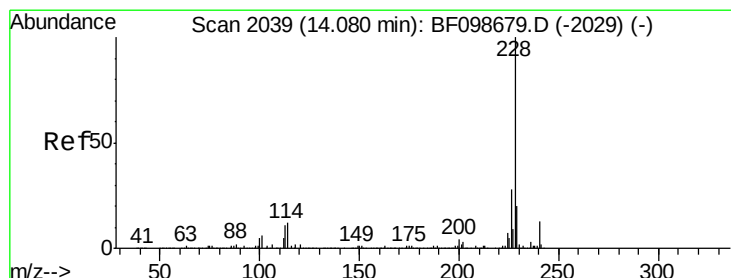
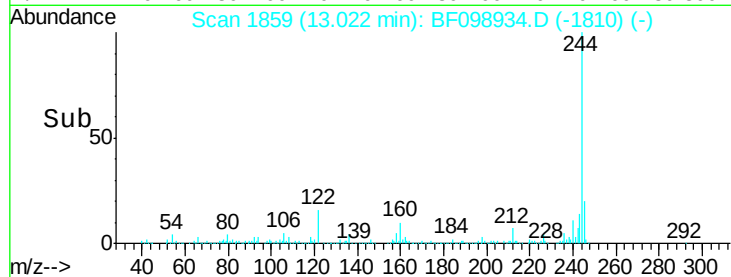
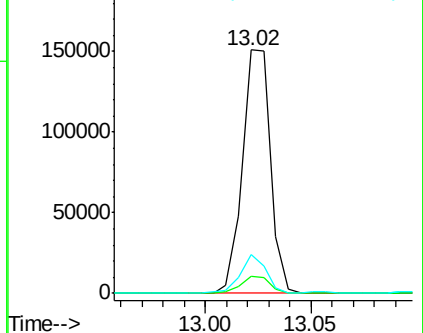
122 16.1 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 9.08 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

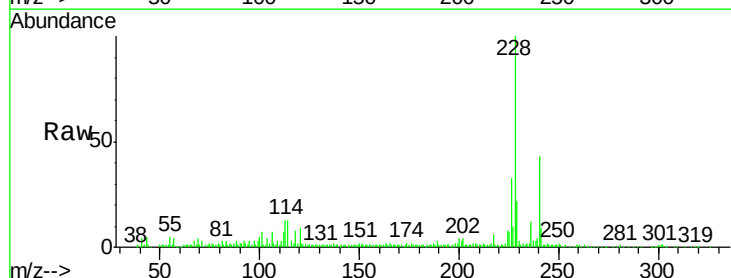
Tgt Ion:228 Resp: 133725

Ion Ratio Lower Upper

228 100

226 33.4 22.6 33.8

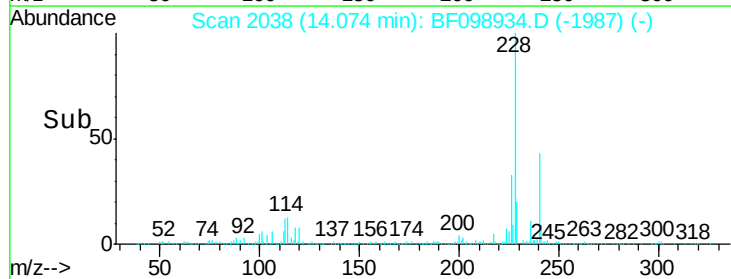
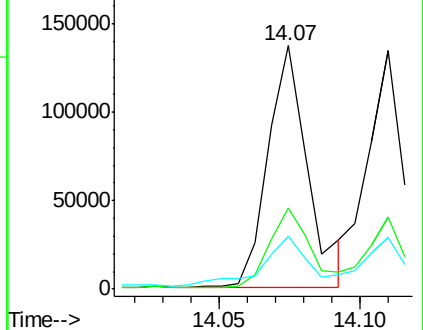
229 21.8 15.8 23.6

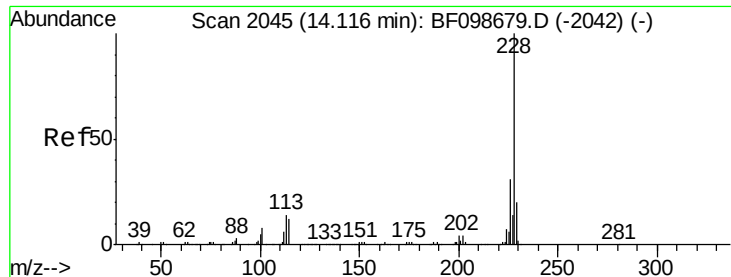


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

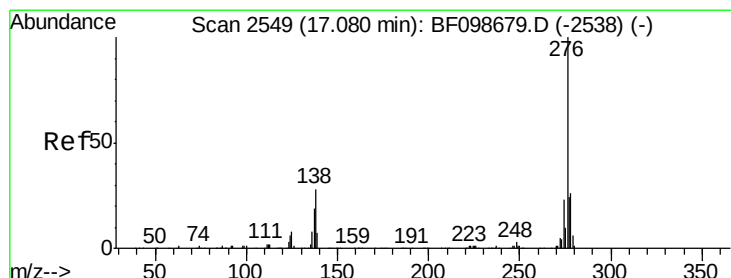
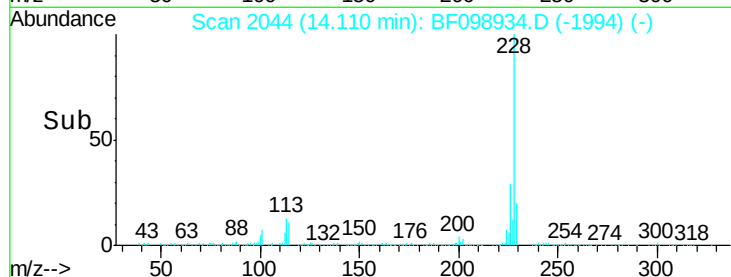
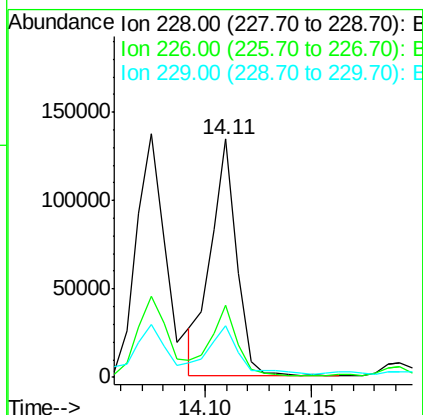
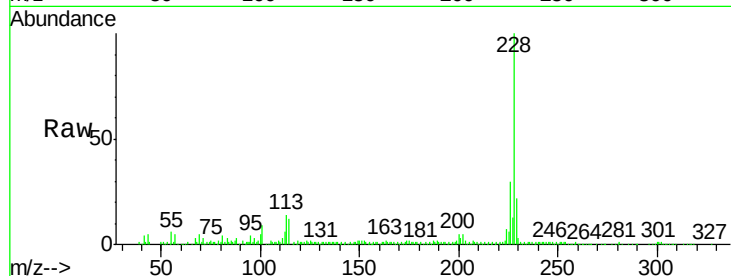




#82
Chrysene
Concen: 8.09 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

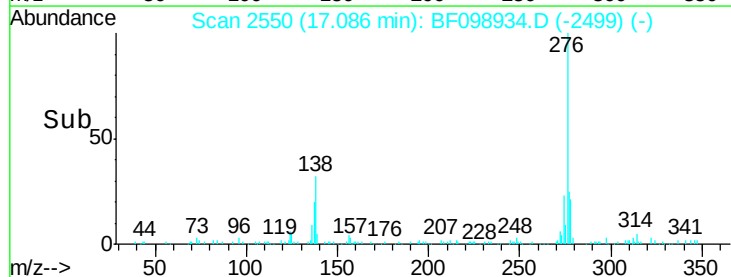
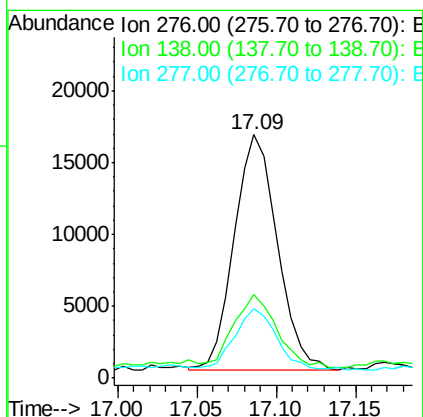
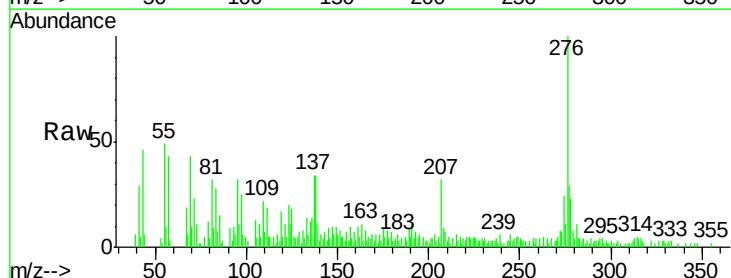
Instrument :
BNA_F
ClientSampleId :

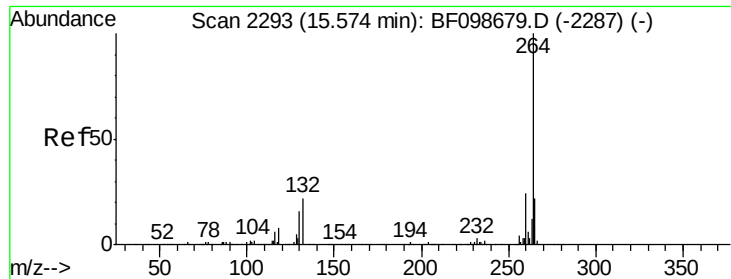
Tot Ion:228 Resp: 113456
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 21.8 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.77 ng
RT: 17.09 min Scan# 2550
Delta R.T. 0.00 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Tgt Ion:276 Resp: 31029
Ion Ratio Lower Upper
276 100
138 30.9 25.0 37.6
277 24.3 20.1 30.1

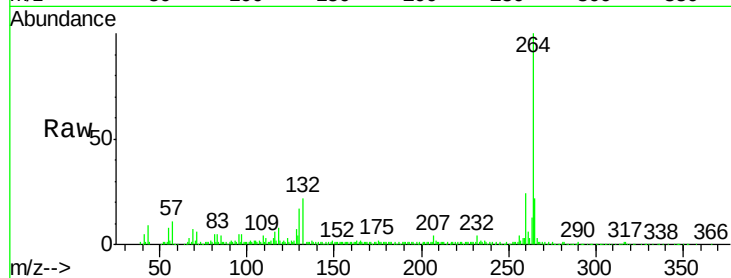




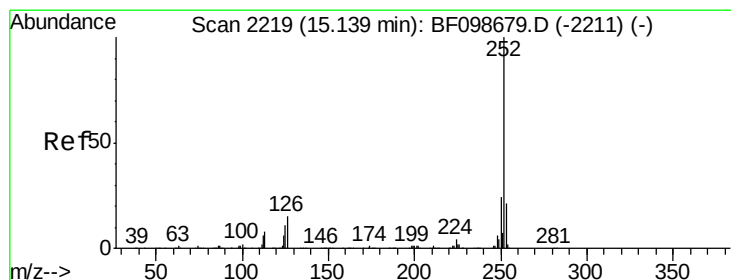
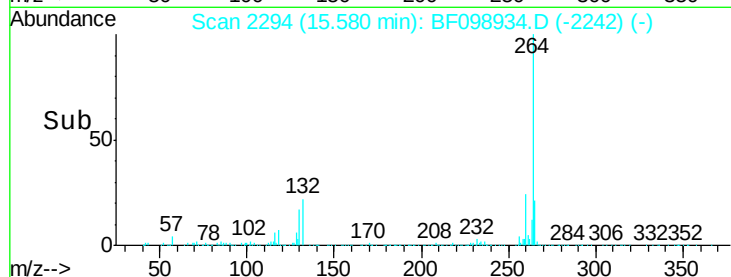
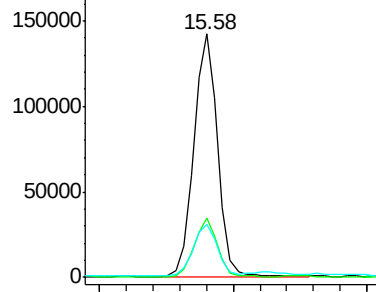
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 177500
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 21.9 17.5 26.3

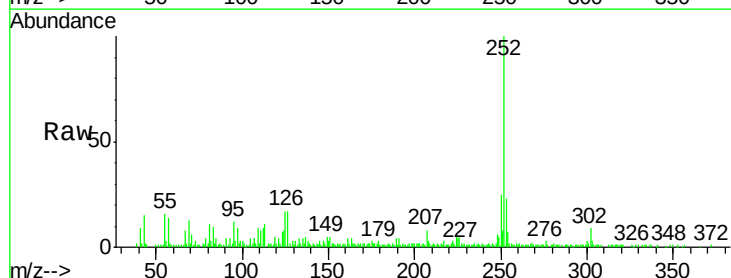


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

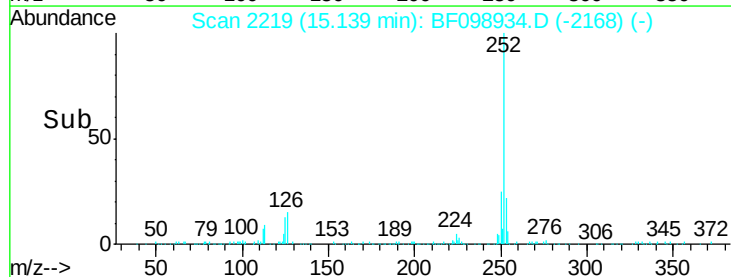
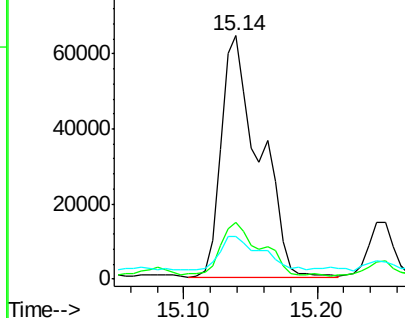


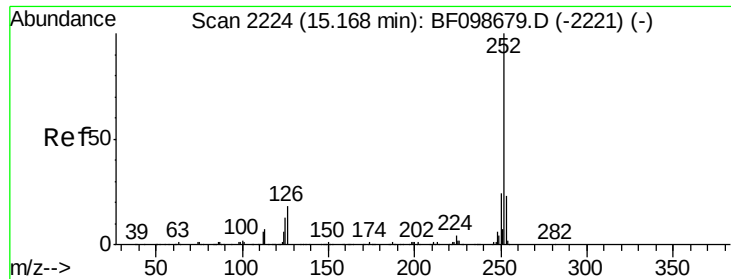
#87
Benzo(b)fluoranthene
Concen: 11.63 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Tgt Ion:252 Resp: 126912
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 17.3 9.0 13.6#



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

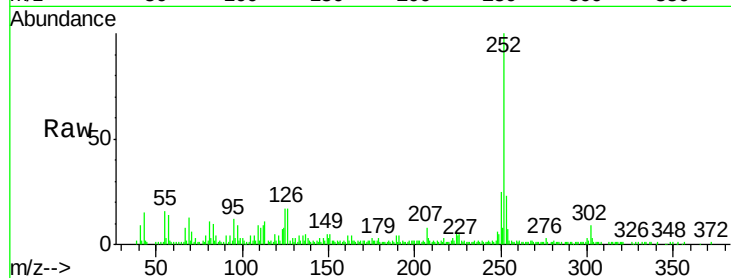




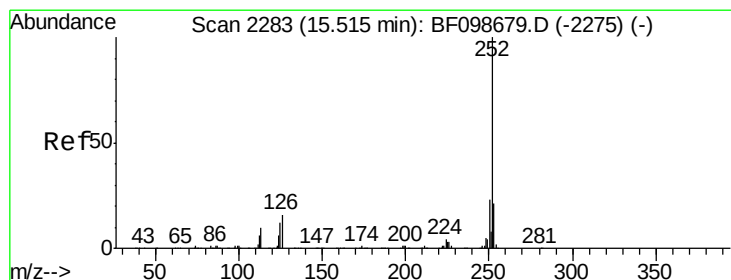
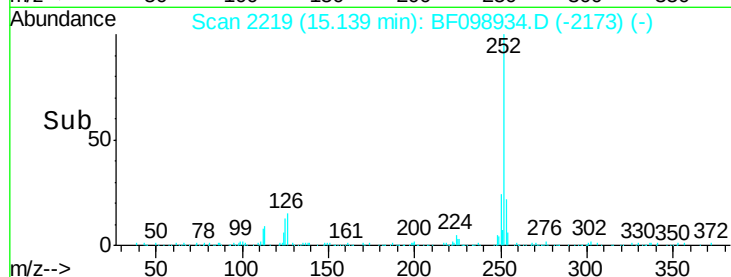
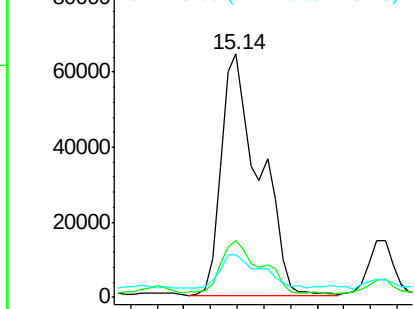
#88
Benzo(k)fluoranthene
Concen: 11.77 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.03 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 126912
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 17.3 10.2 15.2#

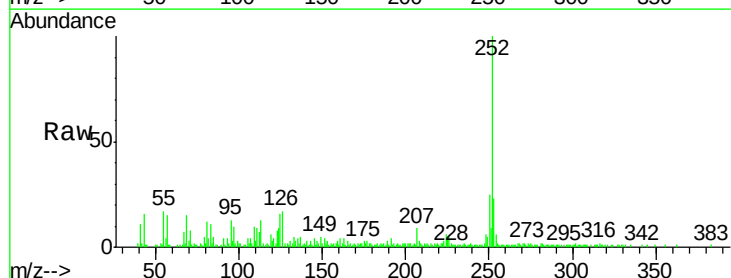


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

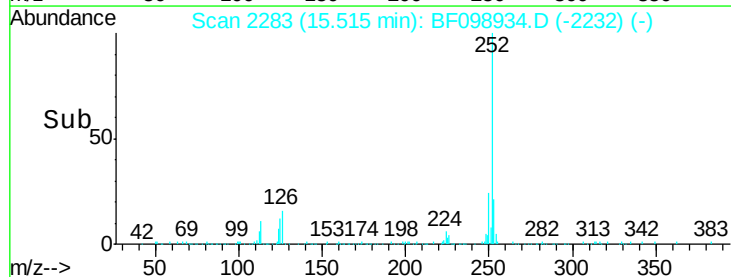
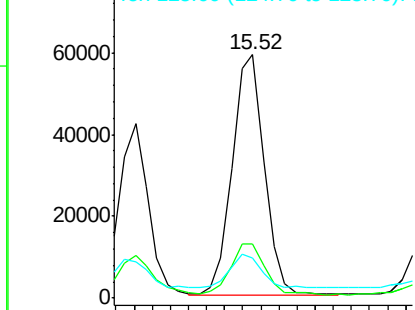


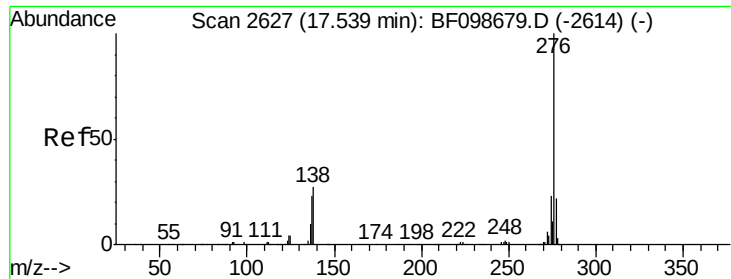
#89
Benzo(a)pyrene
Concen: 7.23 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Tgt Ion:252 Resp: 72415
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 16.2 9.8 14.6#



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

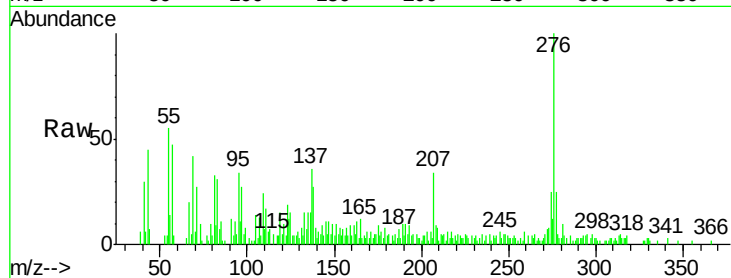




#91
 Benzo(a,h,i)perylene
 Concen: 4.04 ng
 RT: 17.55 min Scan# 2629
 Delta R.T. 0.01 min
 Lab File: BF098934.D
 Acq: 29 Sep 2017 4:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.9	26.9
138	26.9	21.8	32.8



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

