

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\
 Data File : BF097870.D
 Acq On : 19 Aug 2017 9:20
 Operator : SJ/JU
 Sample : I4820-05 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-I10-BASE

Quant Time: Aug 21 00:54:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

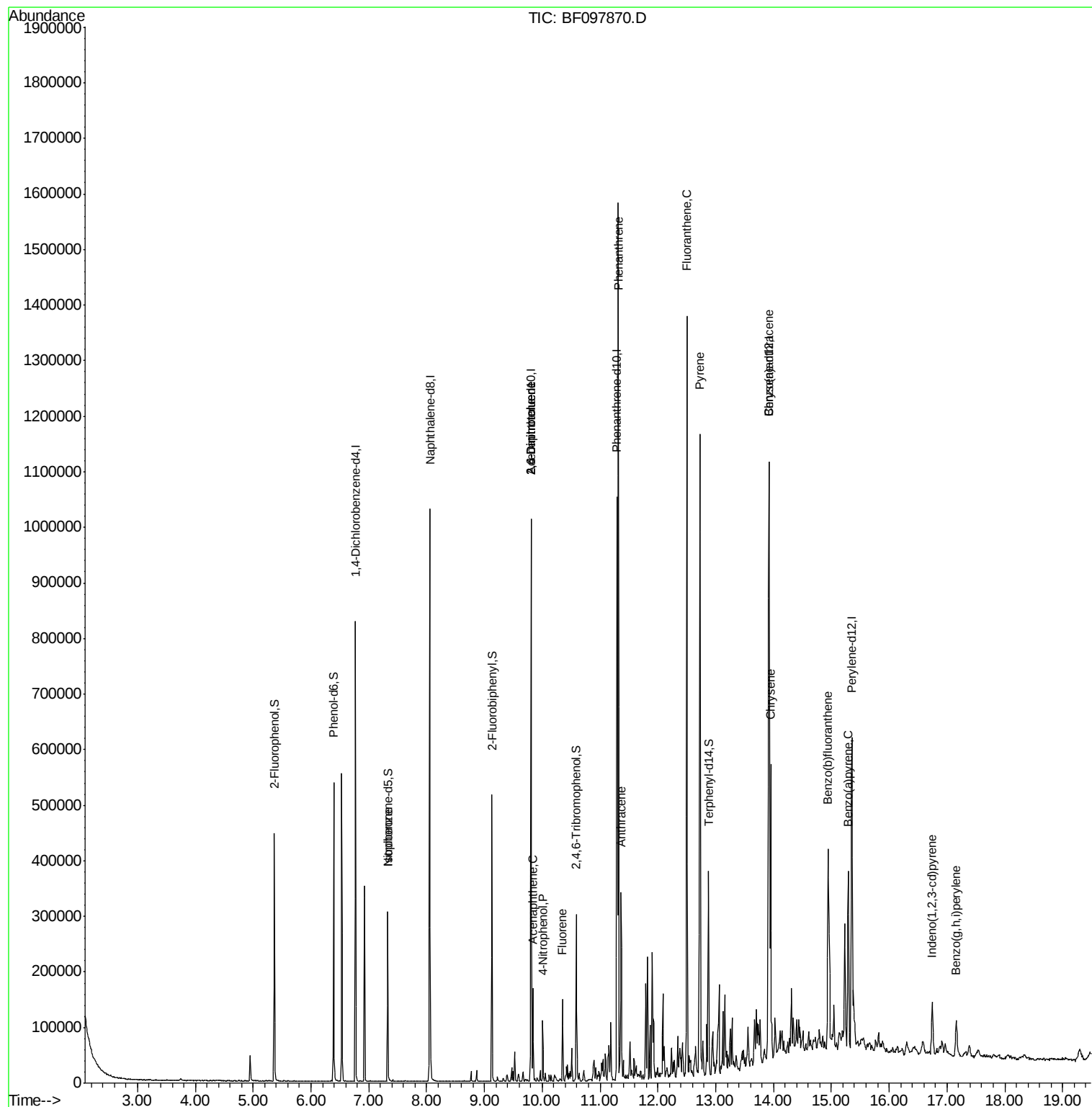
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	111583	20.00	ng	-0.02
21) Naphthalene-d8	8.06	136	436018	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	185778	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	346612	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	277500	20.00	ng	-0.01
86) Perylene-d12	15.36	264	240248	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	116476	15.88	ng	-0.02
7) Phenol-d6	6.39	99	156040	15.66	ng	-0.02
23) Nitrobenzene-d5	7.33	82	92623	11.54	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	21643	13.43	ng	-0.02
44) 2-Fluorobiphenyl	9.13	172	134155	10.61	ng	-0.02
78) Terphenyl-d14	12.87	244	93362	7.02	ng	-0.02
Target Compounds						
25) Isophorone	7.33	82	92498	5.54	ng	# 67
50) 2,6-Dinitrotoluene	9.81	165	24798	9.15	ng	# 35
51) Acenaphthene	9.84	154	29862	2.41	ng	95
55) 4-Nitrophenol	10.01	139	12359	4.43	ng	# 27
56) 2,4-Dinitrotoluene	9.81	165	24798	7.29	ng	# 34
57) Fluorene	10.35	166	34532	2.69	ng	94
70) Phenanthrene	11.32	178	508813	27.55	ng	100
71) Anthracene	11.36	178	114381	6.11	ng	99
74) Fluoranthene	12.50	202	522269	27.09	ng	98
77) Pyrene	12.73	202	463919	20.44	ng	98
80) Benzo(a)anthracene	13.92	228	196340	11.81	ng	99
82) Chrysene	13.95	228	193684	11.71	ng	98
85) Indeno(1,2,3-cd)pyrene	16.74	276	60484	4.97	ng	# 91
87) Benzo(b)fluoranthene	14.94	252	257637	17.01	ng	99
89) Benzo(a)pyrene	15.29	252	141439	10.55	ng	98
91) Benzo(g,h,i)perylene	17.16	276	51934	4.56	ng	# 91

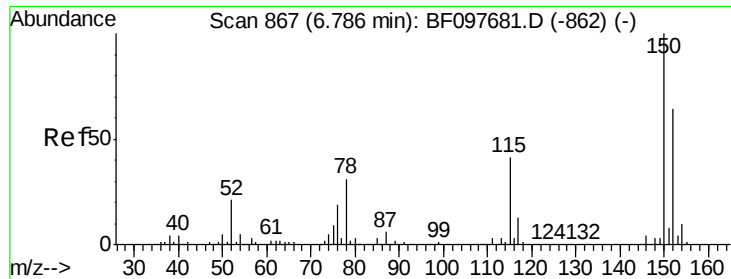
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 796

Delta R.T. -0.02 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

Instrument :

BNA_F

ClientSampleId :

E2-110-BASE

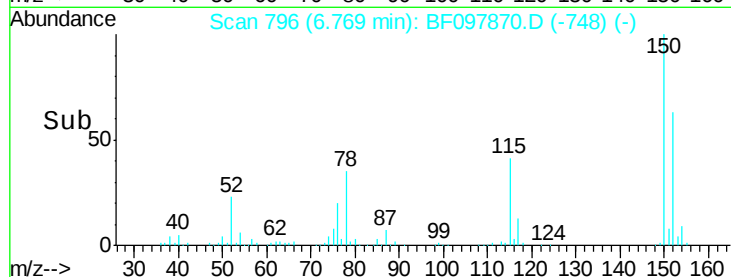
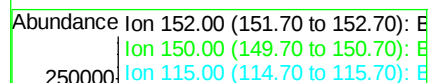
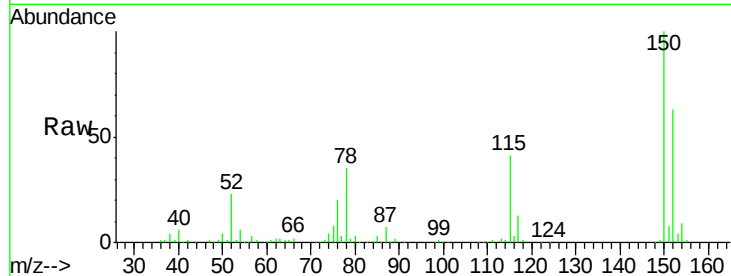
Tot Ion:152 Resp: 111583

Ion Ratio Lower Upper

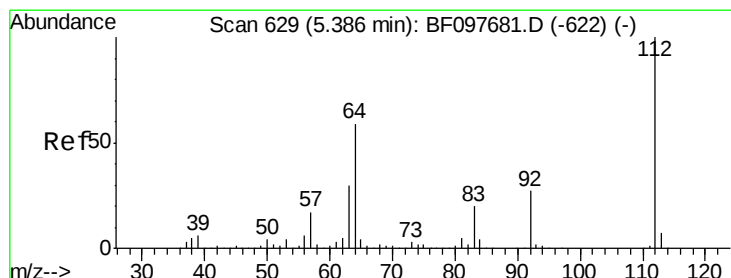
152 100

150 159.4 126.2 189.2

115 65.7 52.2 78.2



Time-->



#5

2-Fluorophenol

Concen: 15.88 ng

RT: 5.36 min Scan# 557

Delta R.T. -0.02 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

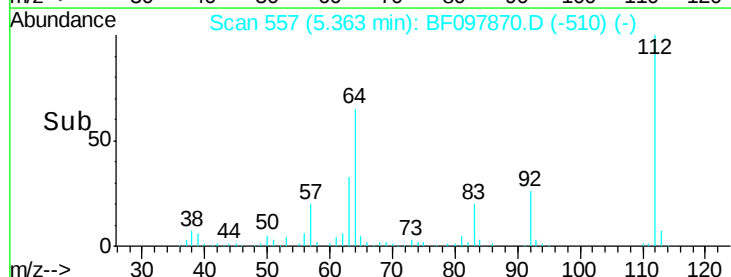
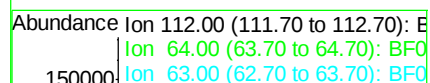
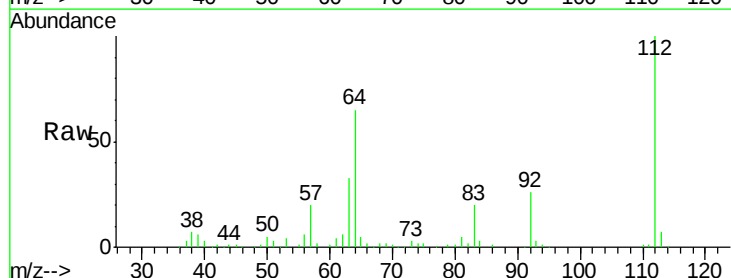
Tgt Ion:112 Resp: 116476

Ion Ratio Lower Upper

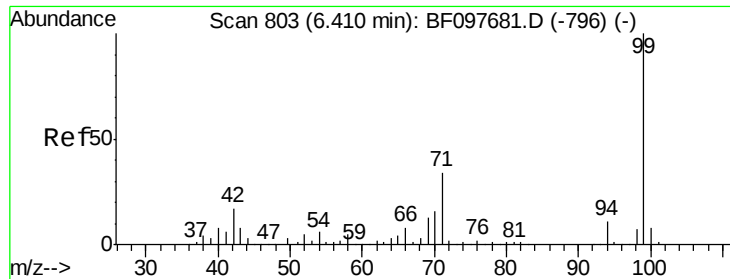
112 100

64 65.1 46.0 69.0

63 33.2 23.4 35.0



Time-->



#7

Phenol-d6

Concen: 15.66 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

Instrument :

BNA_F

ClientSampled :

E2-I10-BASE

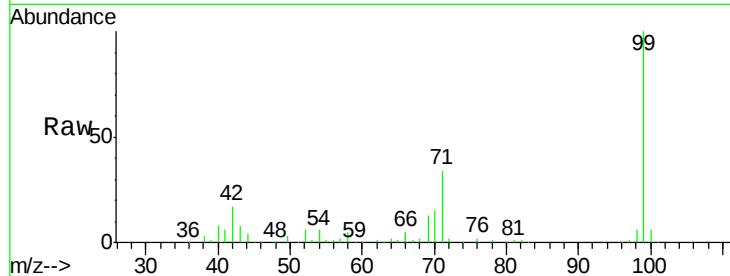
Tot Ion: 99 Resp: 156040

Ion Ratio Lower Upper

99 100

42 17.4 13.5 20.3

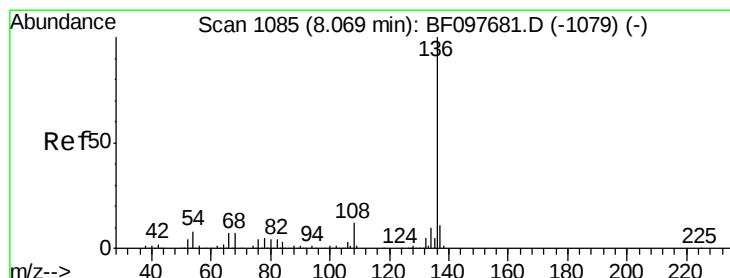
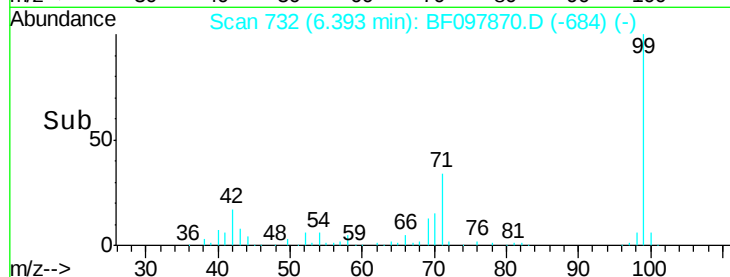
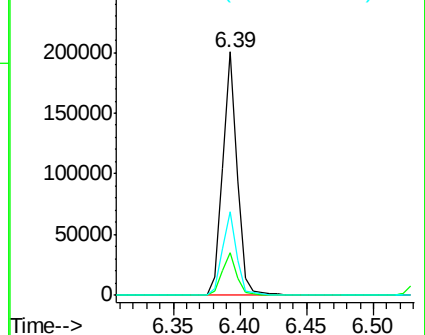
71 34.1 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

Tgt Ion: 136 Resp: 436018

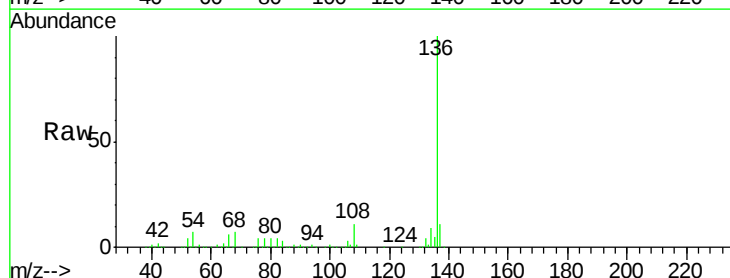
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.8 4.9 7.3

68 6.7 4.1 6.1#

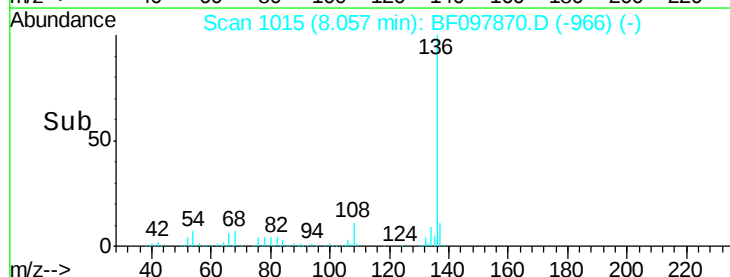
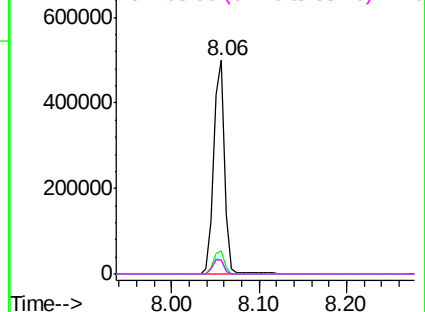


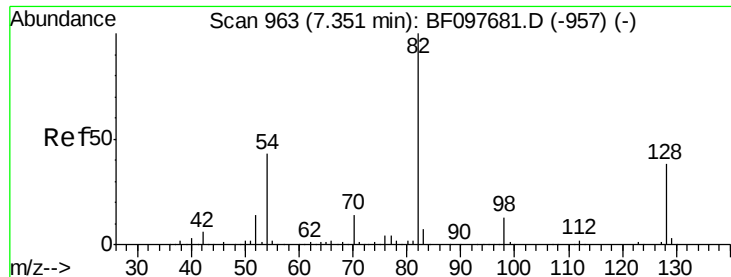
Abundance Ion 136.00 (135.70 to 136.70): E

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

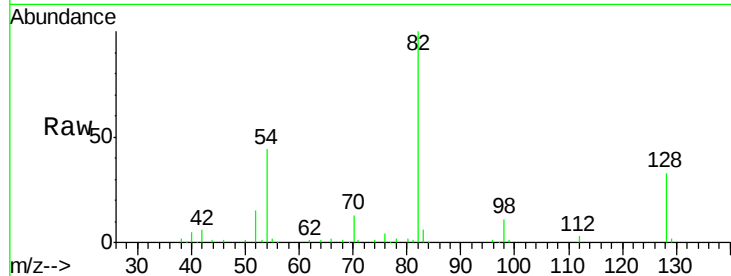




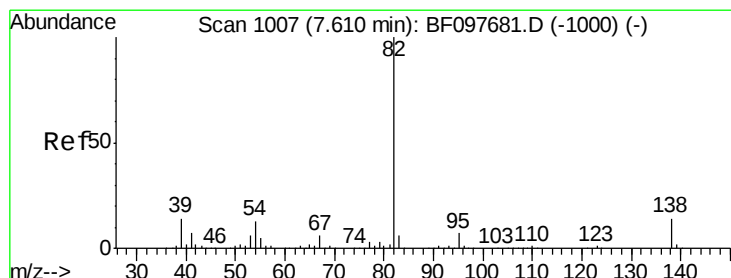
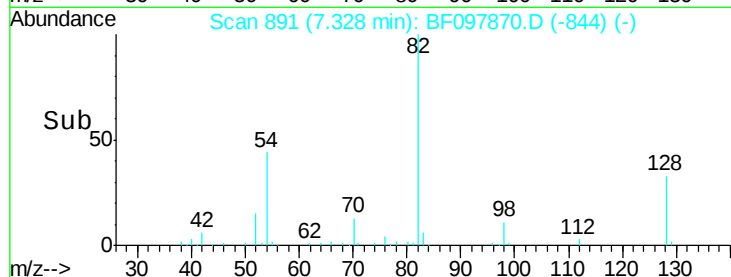
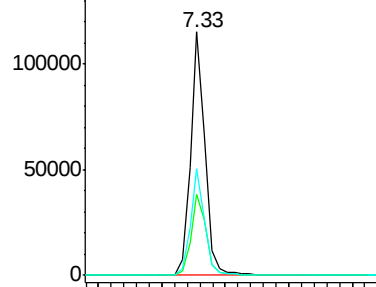
#23
Nitrobenzene-d5
Concen: 11.54 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.02 min
Lab File: BF097870.D
Acq: 19 Aug 2017 9:20

Instrument :
BNA_F
ClientSampleId :
E2-110-BASE

Tot Ion	82	Resp	92623
Ion Ratio	Lower	Upper	
82	100		
128	33.1	34.0	51.0#
54	43.8	42.2	63.2

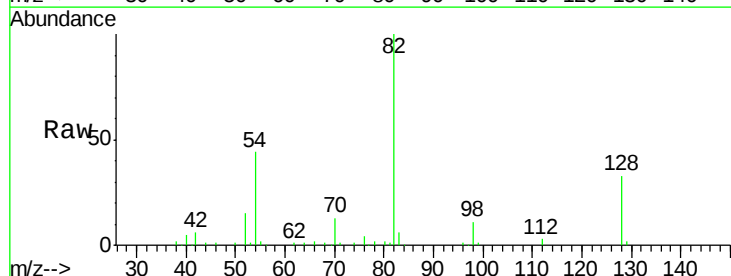


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

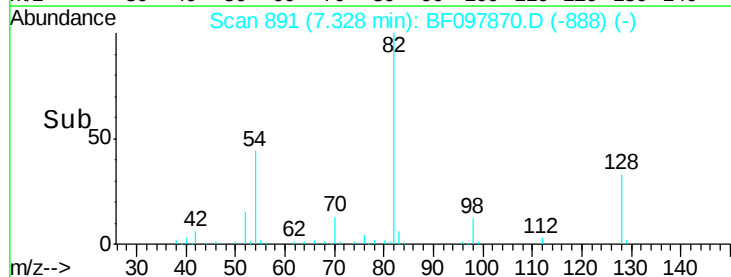
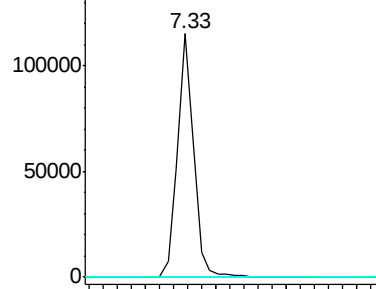


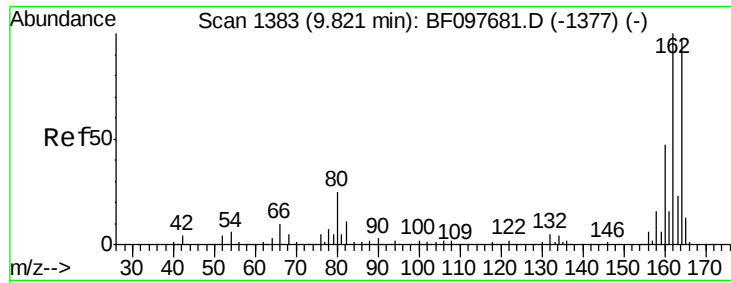
#25
Isophorone
Concen: 5.54 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.28 min
Lab File: BF097870.D
Acq: 19 Aug 2017 9:20

Tgt Ion	82	Resp	92498
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#



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): BF0

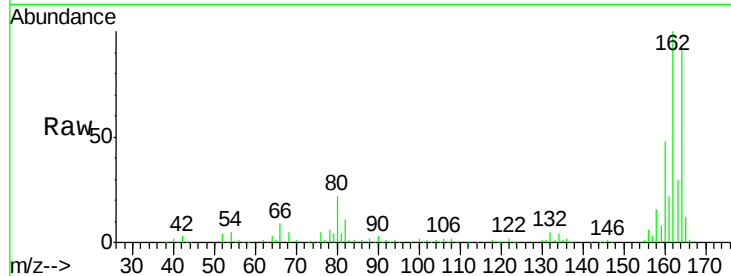




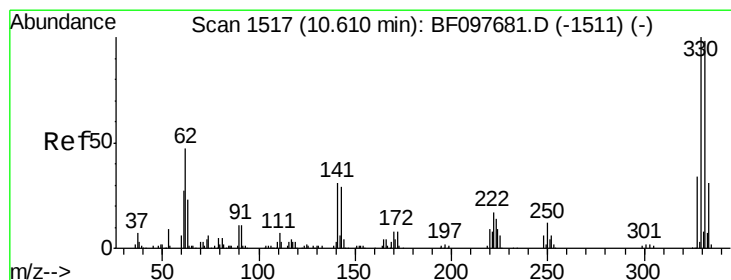
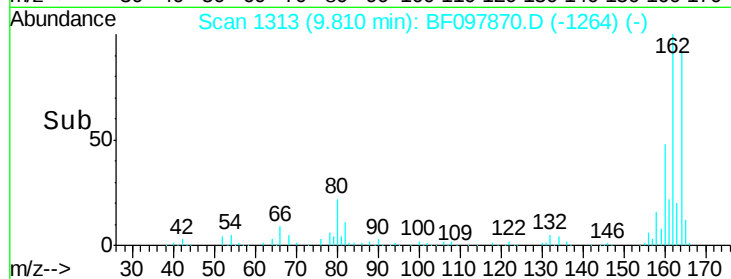
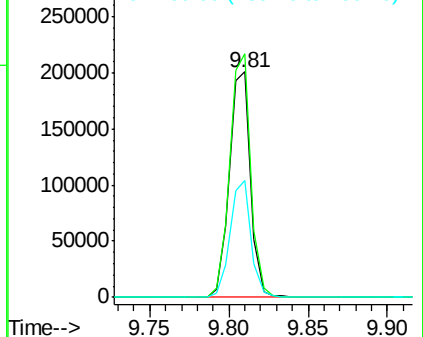
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF097870.D
Acq: 19 Aug 2017 9:20

Instrument :
BNA_F
ClientSampleId :
E2-110-BASE

Tot Ion:164 Resp: 185778
Ion Ratio Lower Upper
164 100
162 107.9 82.6 123.8
160 51.5 36.2 54.2

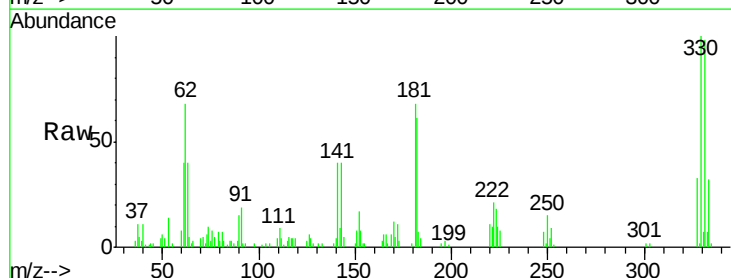


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

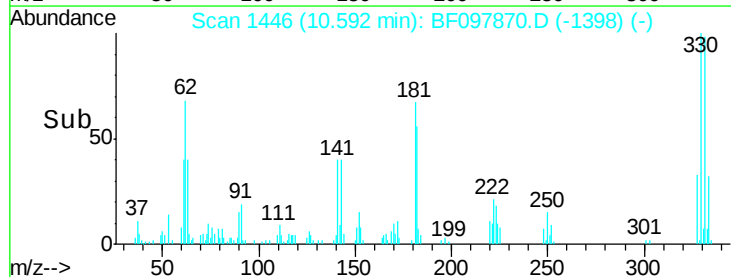
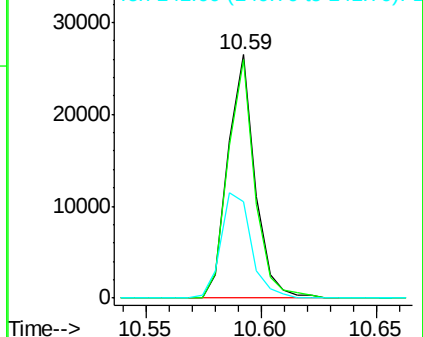


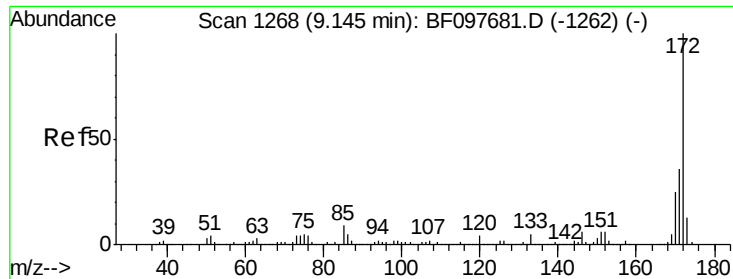
#41
2,4,6-Tribromophenol
Concen: 13.43 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BF097870.D
Acq: 19 Aug 2017 9:20

Tgt Ion:330 Resp: 21643
Ion Ratio Lower Upper
330 100
332 97.0 76.6 115.0
141 48.5 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

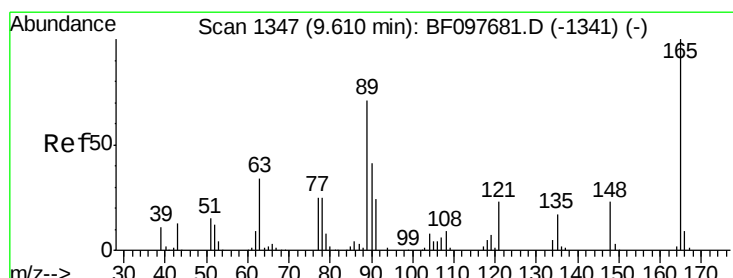
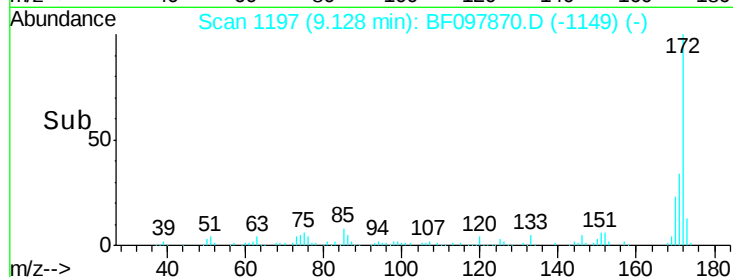
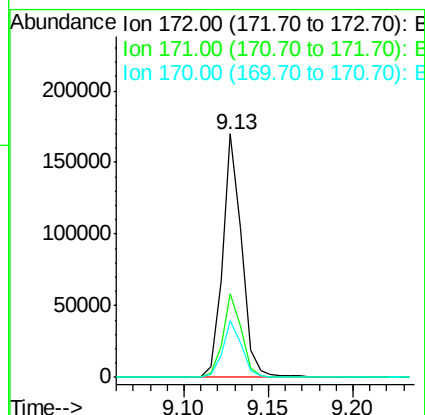
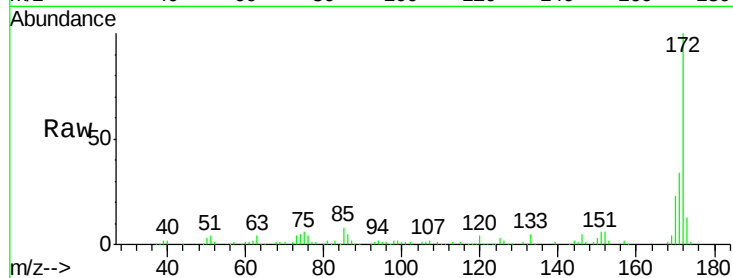




#44
 2-Fluorobiphenyl
 Concen: 10.61 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF097870.D
 Acq: 19 Aug 2017 9:20

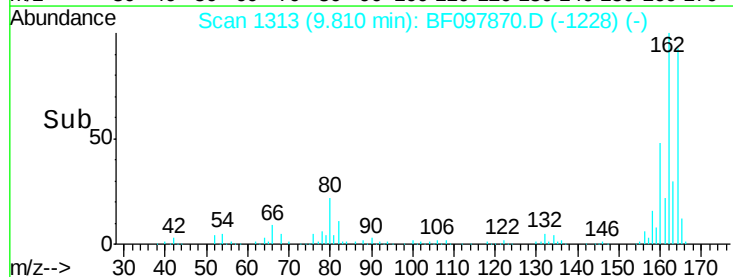
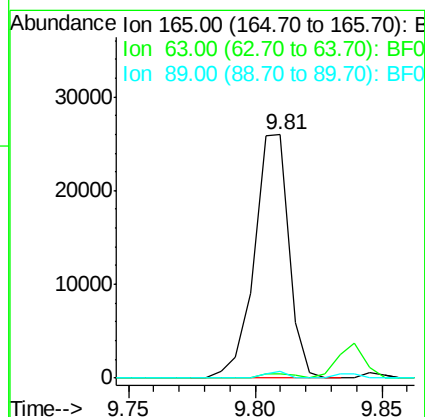
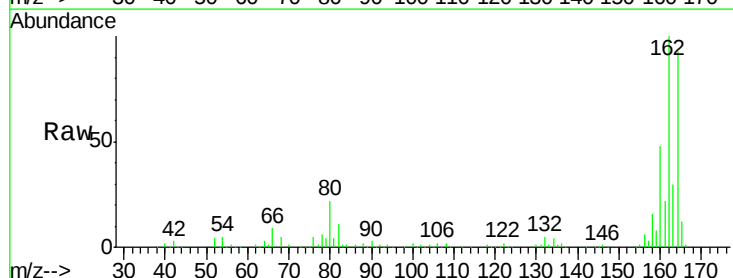
Instrument :
 BNA_F
 ClientSampleId :
 E2-110-BASE

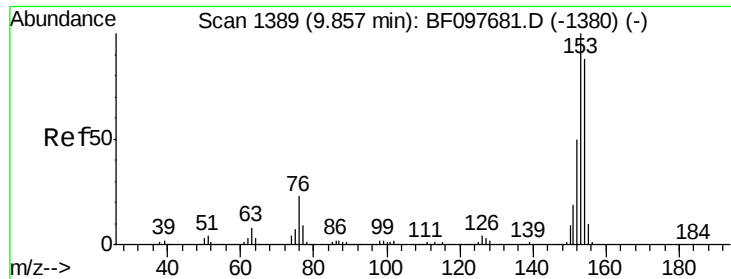
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.6	44.4
170	23.2	19.8	29.8



#50
 2,6-Dinitrotoluene
 Concen: 9.15 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. 0.20 min
 Lab File: BF097870.D
 Acq: 19 Aug 2017 9:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	34.3	51.5#
89	2.8	37.1	55.7#





#51

Acenaphthene

Concen: 2.41 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

Instrument :

BNA_F

ClientSampleId :

E2-I10-BASE

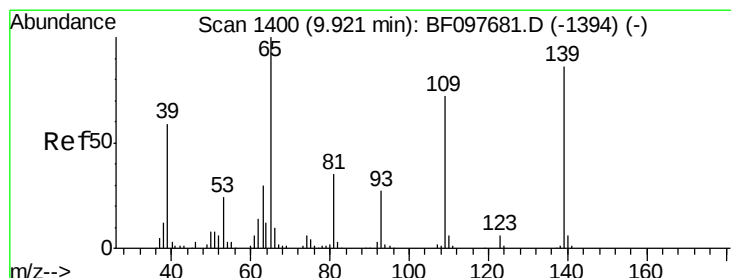
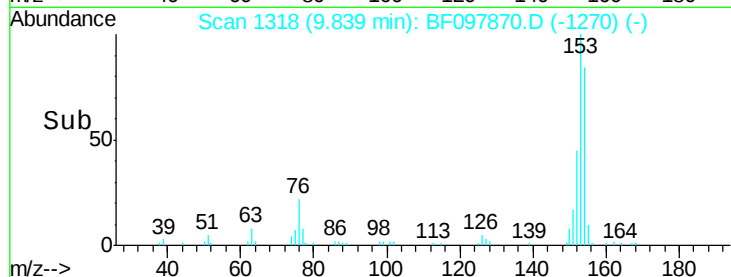
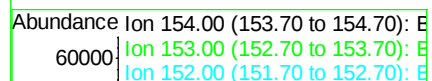
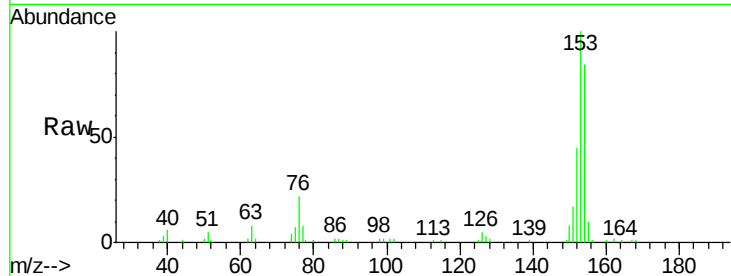
Tot Ion:154 Resp: 29862

Ion Ratio Lower Upper

154 100

153 119.3 90.5 135.7

152 53.1 43.6 65.4



#55

4-Nitrophenol

Concen: 4.43 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.09 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

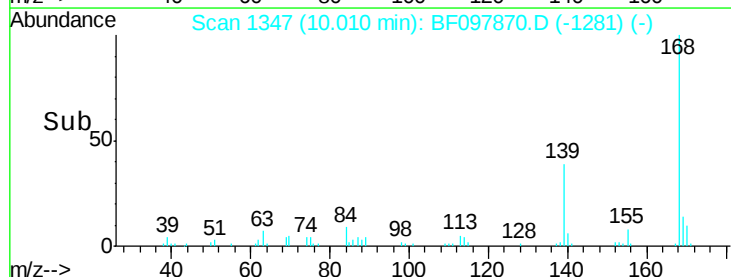
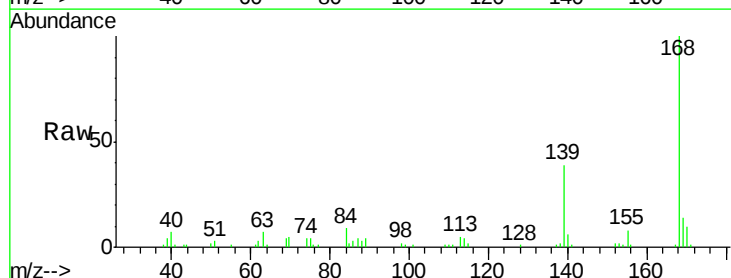
Tgt Ion:139 Resp: 12359

Ion Ratio Lower Upper

139 100

109 2.2 34.1 74.1#

65 0.0 31.4 71.4#

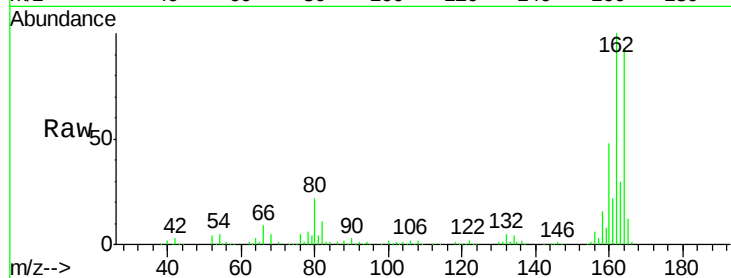




#56
2,4-Dinitrotoluene
Concen: 7.29 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.19 min
Lab File: BF097870.D
Acq: 19 Aug 2017 9:20

Instrument :
BNA_F
ClientSampleId :
E2-110-BASE

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	25.4	38.0#
89	2.8	46.4	69.6#
182	0.0	1.8	2.6#

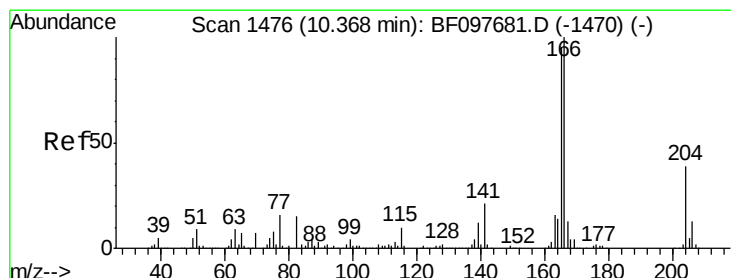
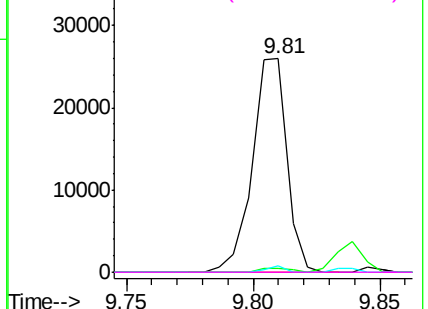
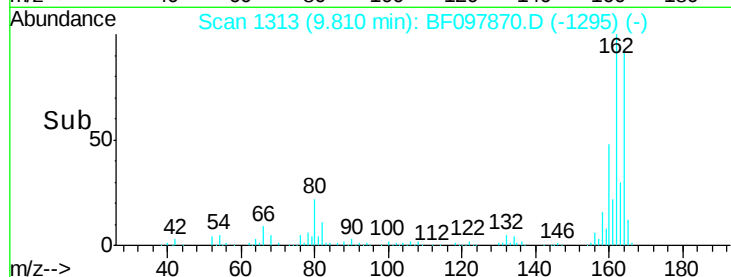


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

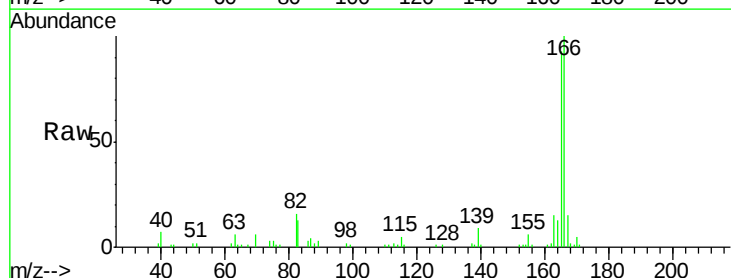
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 2.69 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.02 min
Lab File: BF097870.D
Acq: 19 Aug 2017 9:20

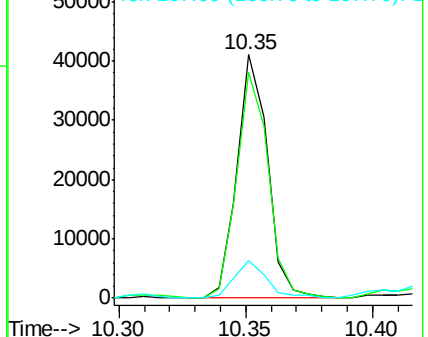
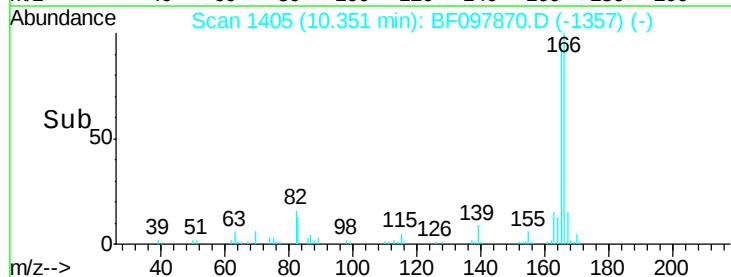
Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.8	78.8	118.2
167	15.4	10.6	16.0

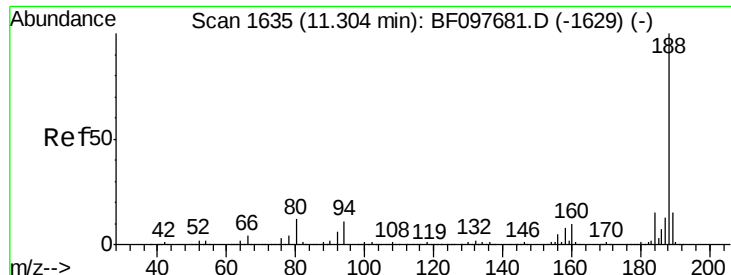


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

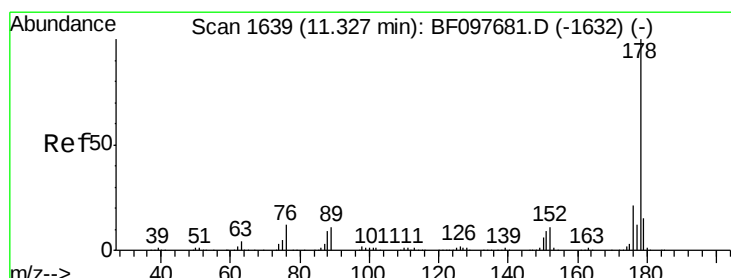
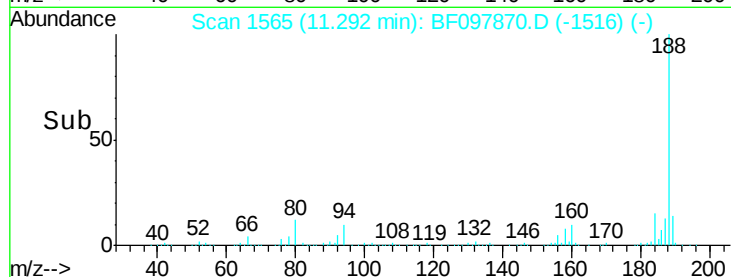
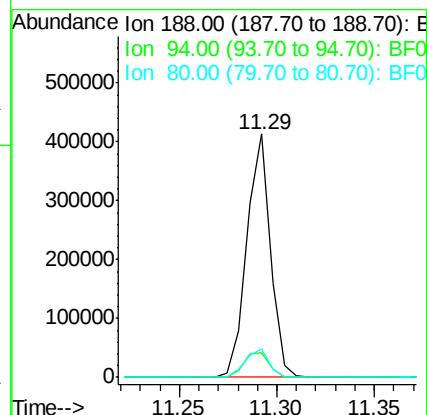
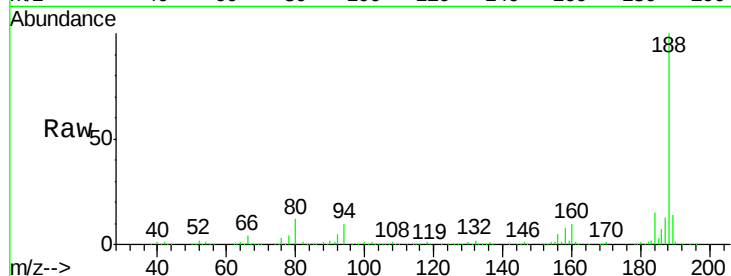




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF097870.D
Acq: 19 Aug 2017 9:20

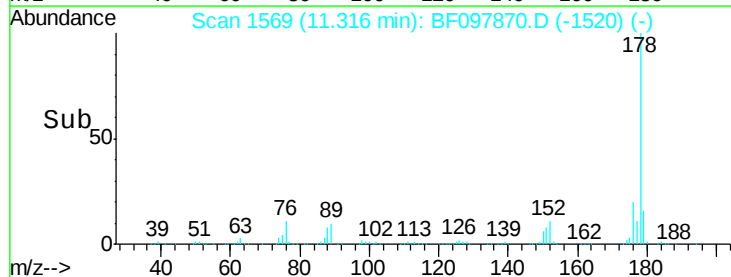
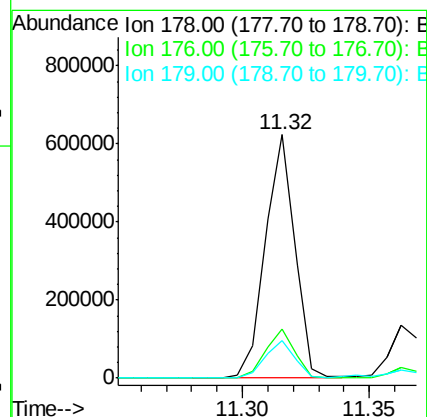
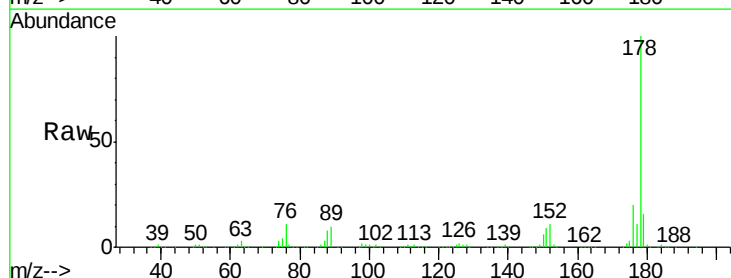
Instrument :
BNA_F
ClientSampleId :
E2-110-BASE

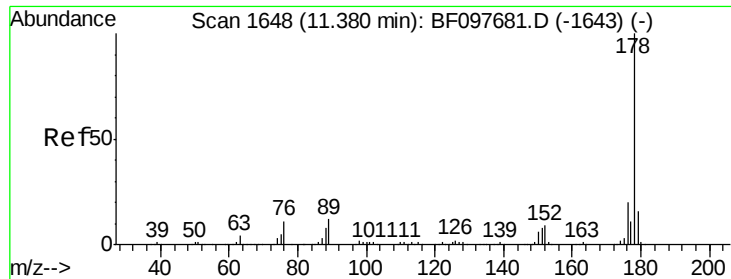
Tot Ion:188 Resp: 346612
Ion Ratio Lower Upper
188 100
94 10.3 9.4 14.2
80 11.6 10.2 15.2



#70
Phenanthrene
Concen: 27.55 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF097870.D
Acq: 19 Aug 2017 9:20

Tgt Ion:178 Resp: 508813
Ion Ratio Lower Upper
178 100
176 20.4 16.2 24.4
179 15.6 12.6 19.0

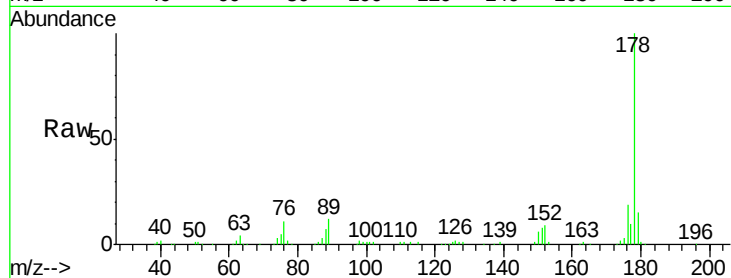




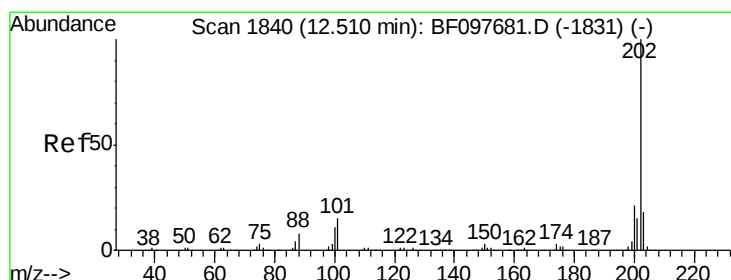
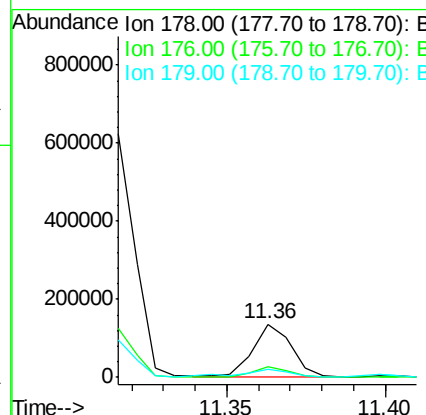
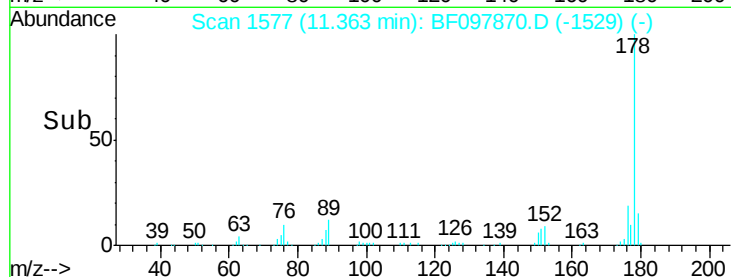
#71
 Anthracene
 Concen: 6.11 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: BF097870.D
 Acq: 19 Aug 2017 9:20

Instrument :
 BNA_F
 ClientSampleId :
 E2-110-BASE

Tot Ion:178 Resp: 114381
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.3 12.7 19.1

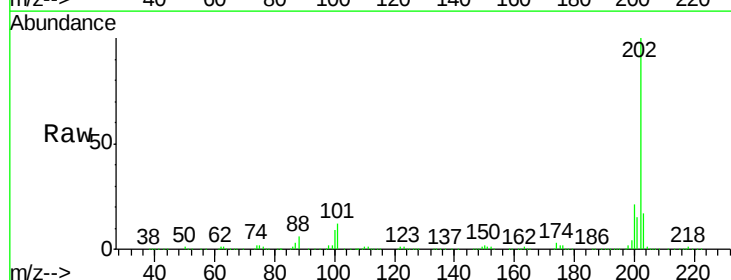


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

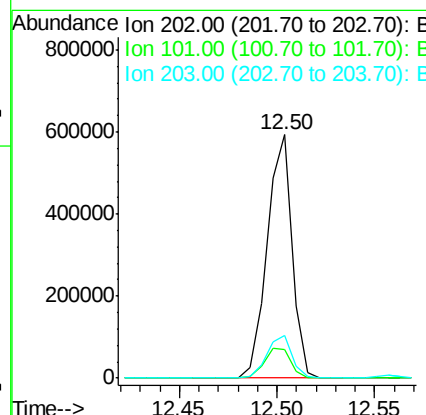
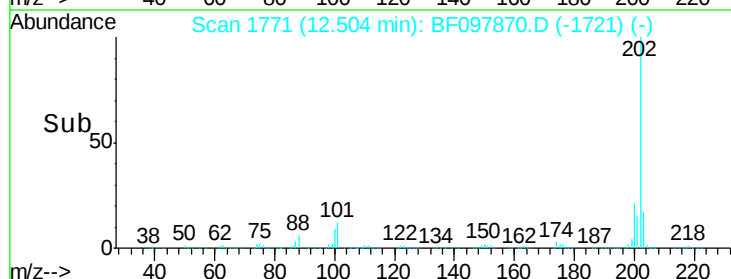


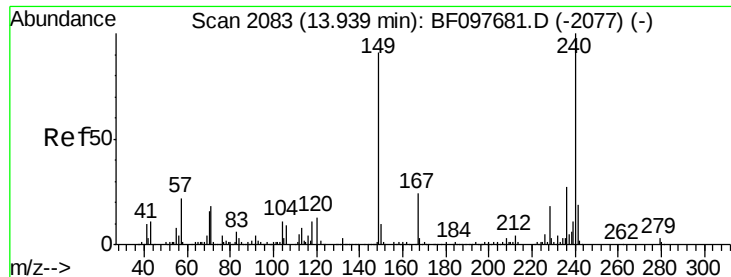
#74
 Fluoranthene
 Concen: 27.09 ng
 RT: 12.50 min Scan# 1771
 Delta R.T. -0.01 min
 Lab File: BF097870.D
 Acq: 19 Aug 2017 9:20

Tgt Ion:202 Resp: 522269
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 33.2
 203 17.3 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: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

Instrument :

BNA_F

ClientSampleId :

E2-I10-BASE

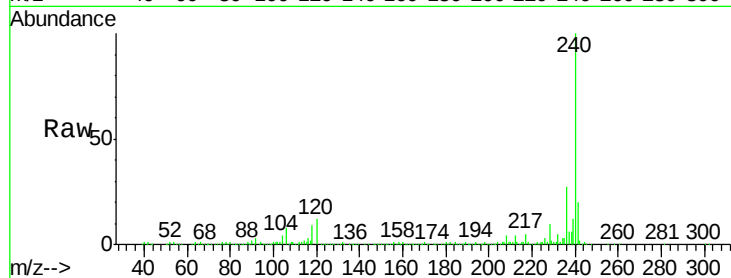
Tot Ion:240 Resp: 277500

Ion Ratio Lower Upper

240 100

120 11.5 5.8 8.8#

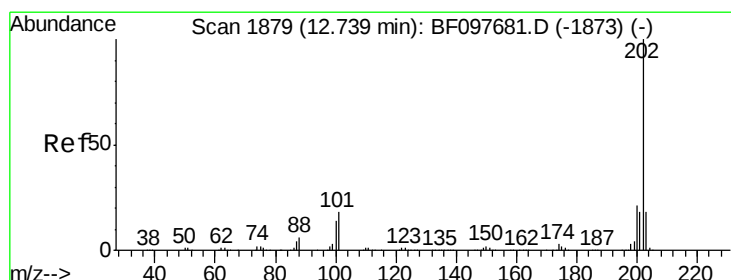
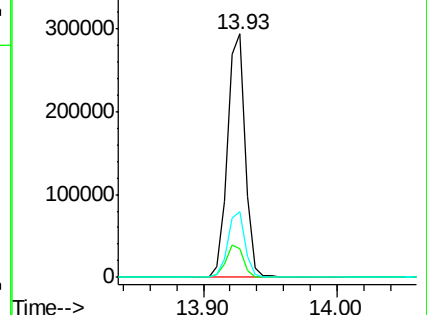
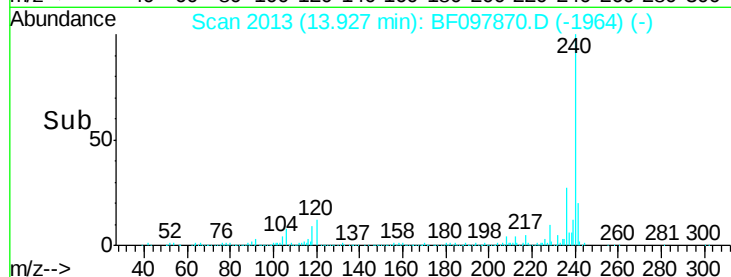
236 26.9 20.5 30.7



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



#77

Pyrene

Concen: 20.44 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

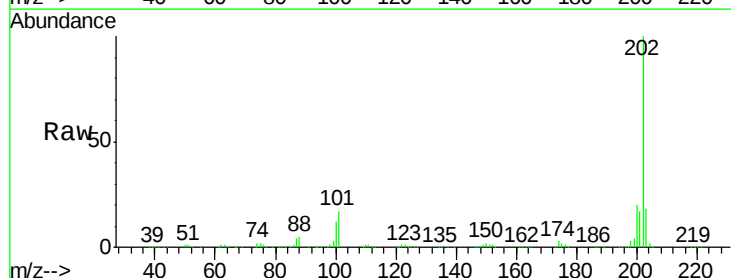
Tgt Ion:202 Resp: 463919

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

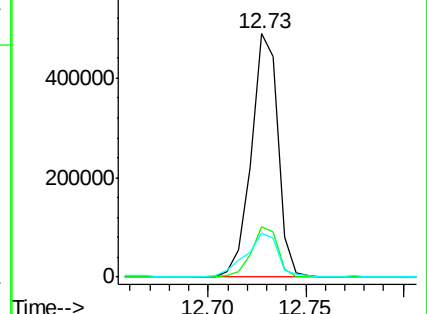
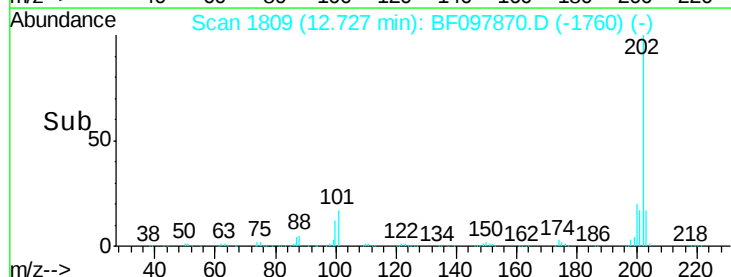
203 17.9 14.4 21.6

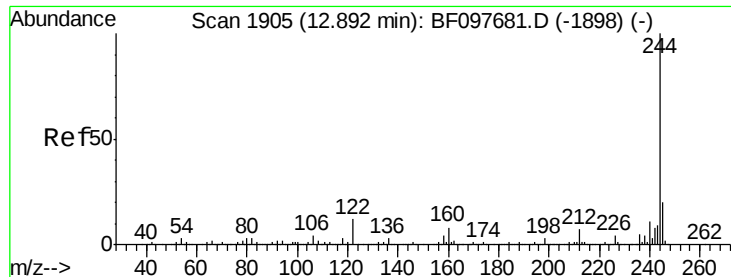


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 7.02 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

Instrument :

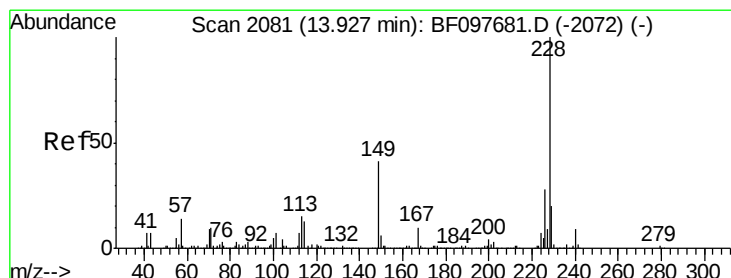
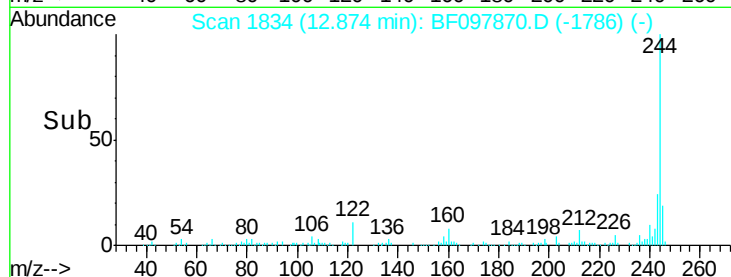
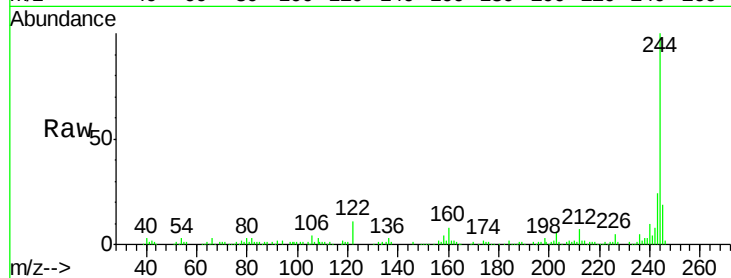
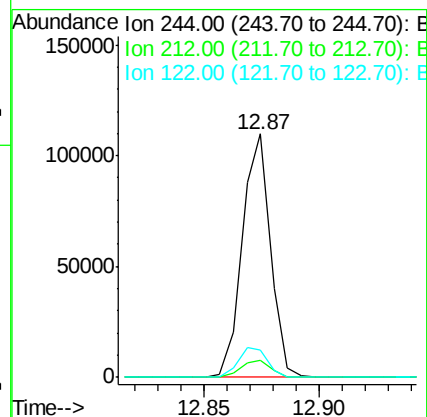
BNA_F

ClientSampleId :

E2-110-BASE

Tot Ion:244 Resp: 93362

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	11.5	10.3	15.5



#80

Benzo(a)anthracene

Concen: 11.81 ng

RT: 13.92 min Scan# 2011

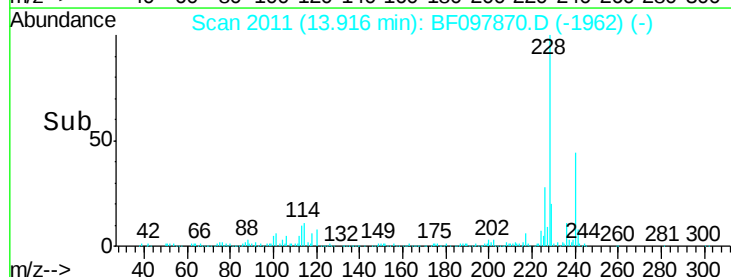
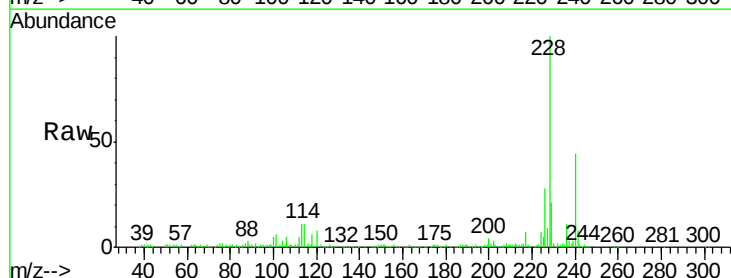
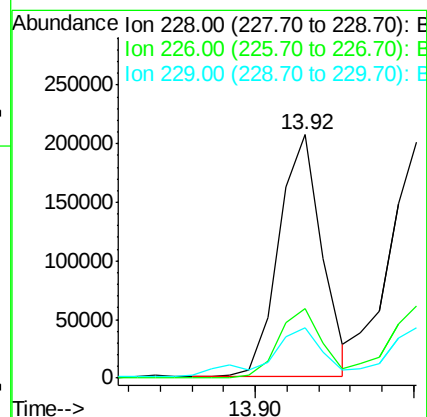
Delta R.T. -0.01 min

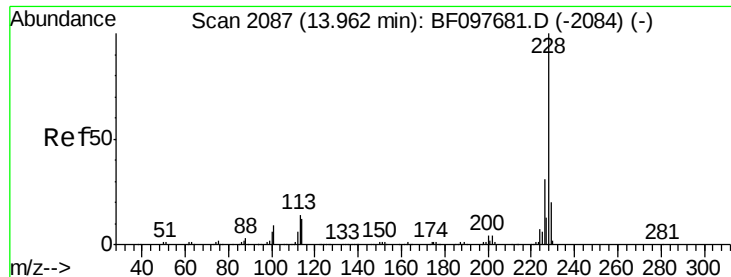
Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

Tgt Ion:228 Resp: 196340

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	20.9	16.3	24.5





#82

Chrysene

Concen: 11.71 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

Instrument :

BNA_F

ClientSampleId :

E2-110-BASE

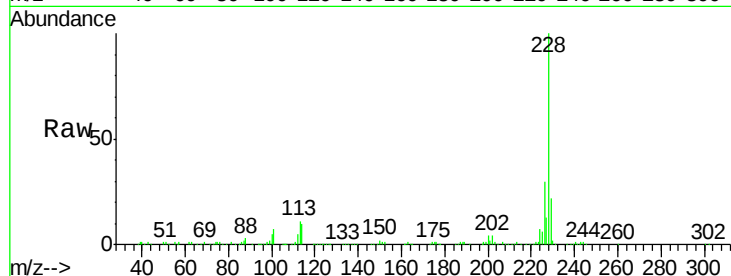
Tot Ion:228 Resp: 193684

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

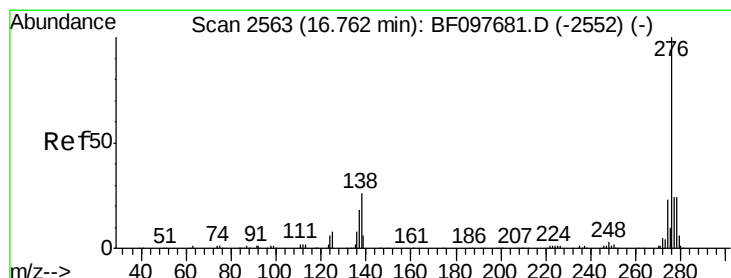
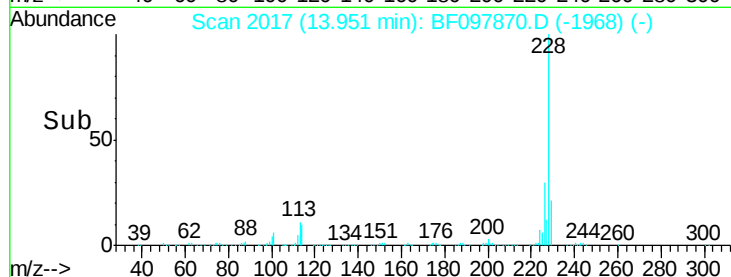
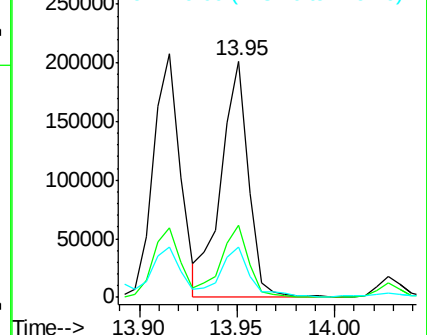
229 21.6 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.97 ng

RT: 16.74 min Scan# 2492

Delta R.T. -0.02 min

Lab File: BF097870.D

Acq: 19 Aug 2017 9:20

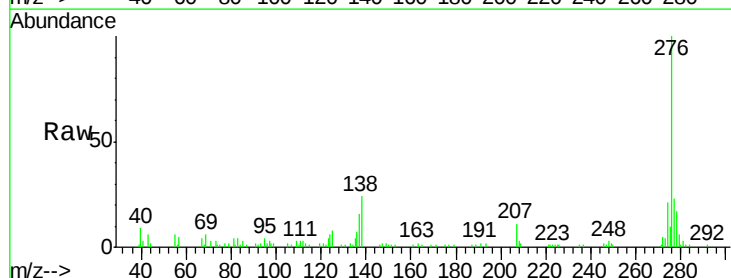
Tgt Ion:276 Resp: 60484

Ion Ratio Lower Upper

276 100

138 25.7 27.8 41.6#

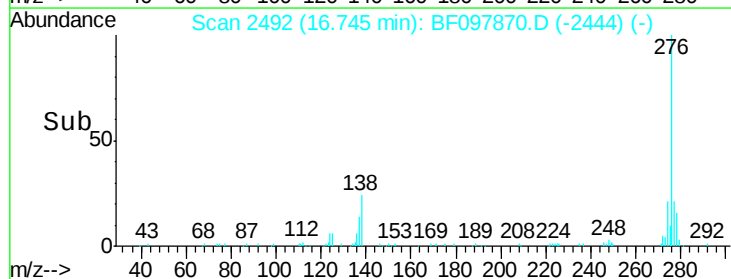
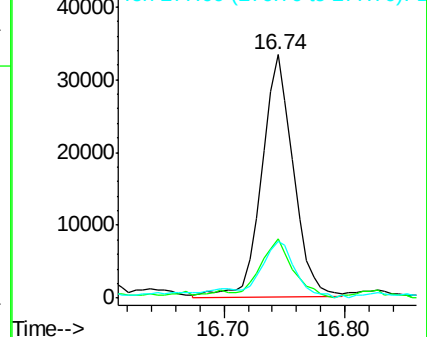
277 25.2 20.2 30.4

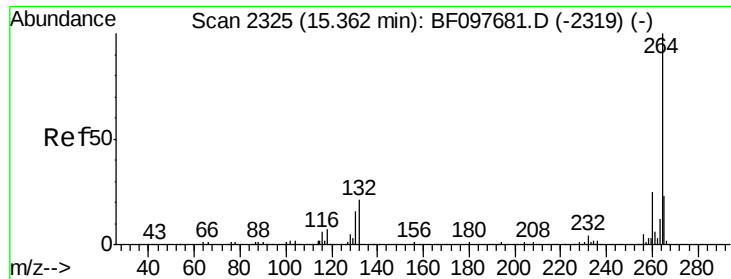


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

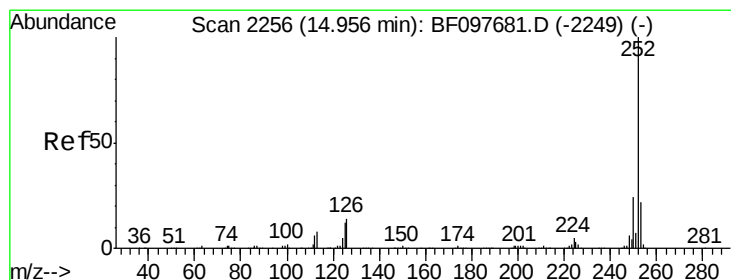
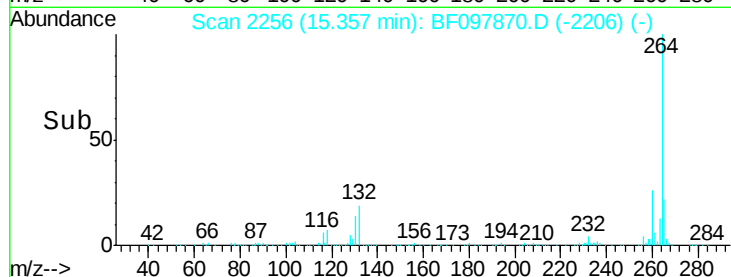
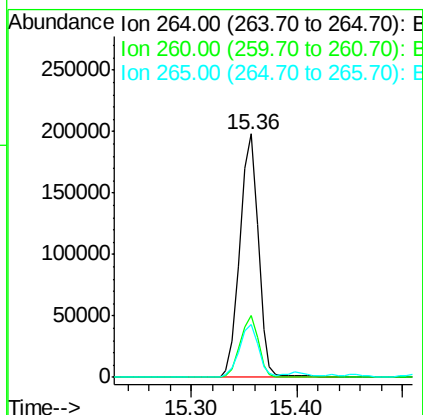
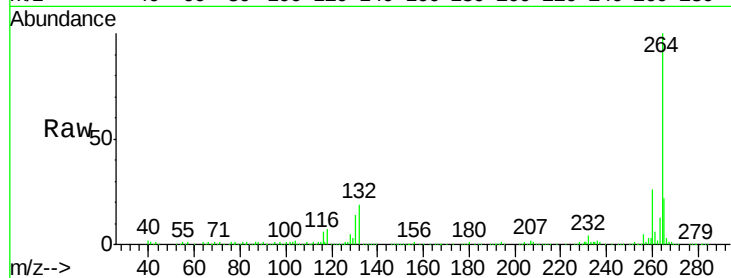




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF097870.D
Acq: 19 Aug 2017 9:20

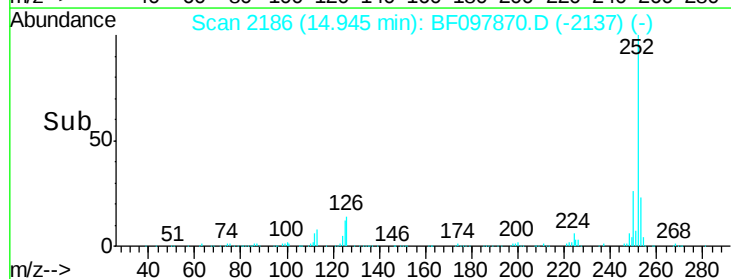
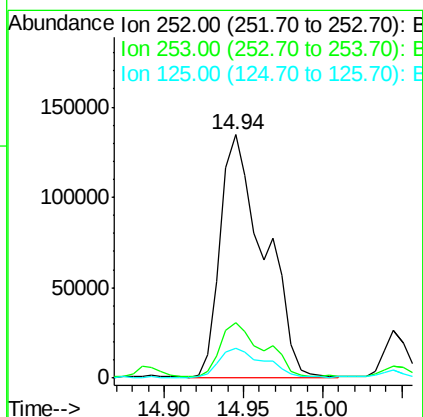
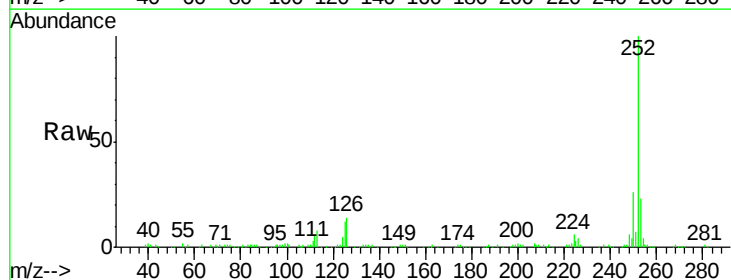
Instrument :
BNA_F
ClientSampleId :
E2-I10-BASE

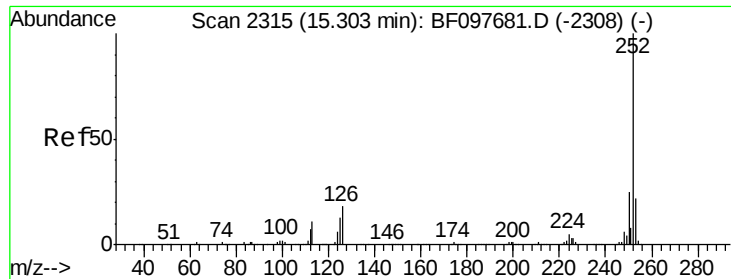
Tot Ion:264 Resp: 240248
Ion Ratio Lower Upper
264 100
260 25.6 19.5 29.3
265 21.8 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 17.01 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF097870.D
Acq: 19 Aug 2017 9:20

Tgt Ion:252 Resp: 257637
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 12.2 9.8 14.8

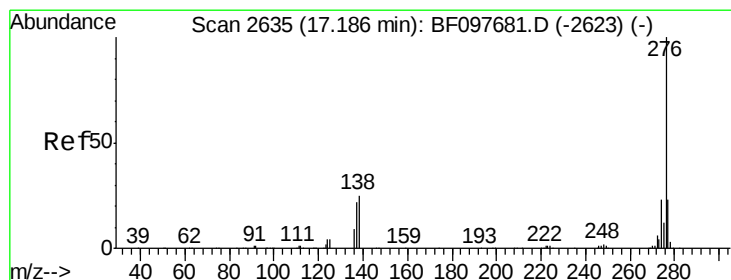
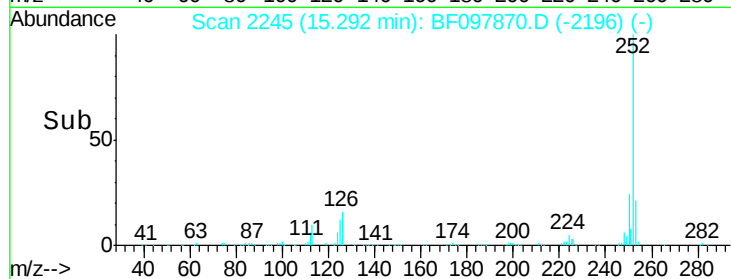
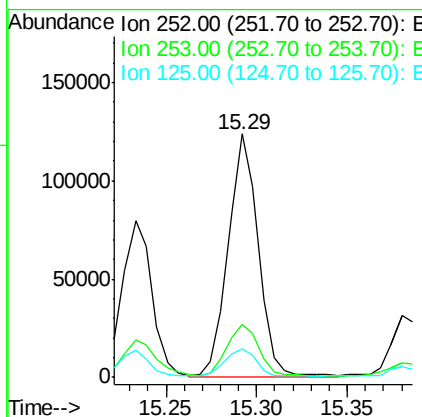
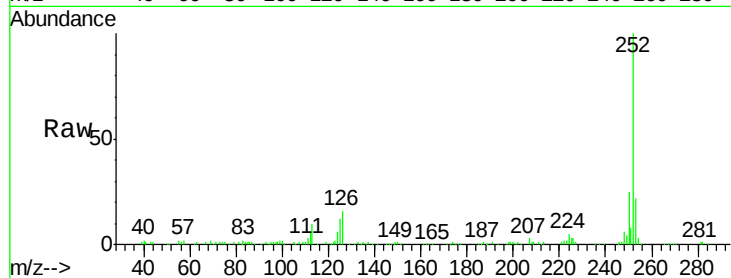




#89
Benzo(a)pyrene
Concen: 10.55 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.01 min
Lab File: BF097870.D
Acq: 19 Aug 2017 9:20

Instrument :
BNA_F
ClientSampleId :
E2-110-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.9	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 4.56 ng
RT: 17.16 min Scan# 2563
Delta R.T. -0.02 min
Lab File: BF097870.D
Acq: 19 Aug 2017 9:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.6	28.0
138	25.1	25.4	38.0

