

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
 Data File : BF096884.D
 Acq On : 19 Jul 2017 21:52
 Operator : SJ/JU
 Sample : I4280-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

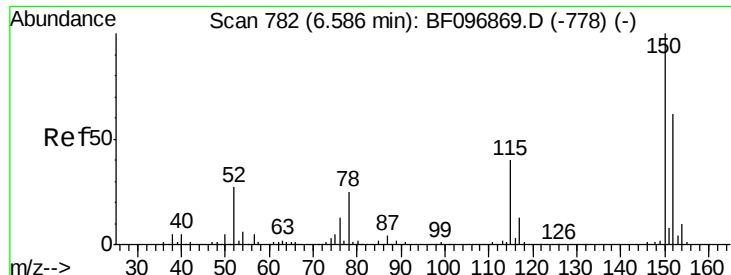
Quant Time: Jul 20 00:55:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	104792	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	405714	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	161072	20.00	ng	-0.02
63) Phenanthrene-d10	11.09	188	246215	20.00	ng	-0.01
75) Chrysene-d12	13.73	240	187447	20.00	ng	0.00
86) Perylene-d12	15.10	264	133240	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	554605	79.58	ng	0.00
7) Phenol-d6	6.24	99	670576	80.18	ng	-0.01
23) Nitrobenzene-d5	7.15	82	383758	58.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	112875	82.10	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	671497	65.87	ng	-0.01
78) Terphenyl-d14	12.68	244	448445	41.49	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.25	94	30431	3.22	ng	95
19) n-Nitroso-di-n-propylamine	7.15	70	52677	10.45	ng	# 87
25) Isophorone	7.15	82	381122	31.28	ng	# 67
31) Naphthalene	7.89	128	176465	9.18	ng	100
33) 4-Chloroaniline	7.89	127	24015	3.15	ng	# 33
37) 2-Methylnaphthalene	8.58	142	102838	8.39	ng	94
48) Acenaphthylene	9.47	152	94693	5.84	ng	97
49) Dimethylphthalate	9.35	163	95165	7.85	ng	98
51) Acenaphthene	9.65	154	51507	5.38	ng	98
54) Dibenzofuran	9.82	168	48989	3.65	ng	# 95
57) Fluorene	10.16	166	112242	11.32	ng	97
60) 4-Chlorophenyl-phenylether	9.99	204	381	Below Cal	#	1
66) 4-Bromophenyl-phenylether	10.40	248	6748	2.68	ng	# 1
70) Phenanthrene	11.12	178	547448	40.89	ng	99
71) Anthracene	11.17	178	159928	11.82	ng	97
72) Carbazole	11.33	167	34448	2.63	ng	97
74) Fluoranthene	12.30	202	428049	33.40	ng	99
77) Pyrene	12.53	202	492897	28.97	ng	99
80) Benzo(a)anthracene	13.75	228	168267	14.41	ng	95
82) Chrysene	13.75	228	168267	14.63	ng	96
85) Indeno(1,2,3-cd)pyrene	16.39	276	50229	7.85	ng	96
87) Benzo(b)fluoranthene	14.73	252	174668	21.74	ng	# 90
88) Benzo(k)fluoranthene	14.73	252	174803	22.97	ng	# 94
89) Benzo(a)pyrene	15.04	252	110951	15.05	ng	# 93
90) Dibenzo(a,h)anthracene	16.39	278	15477	2.28	ng	# 62
91) Benzo(g,h,i)perylene	16.77	276	55608	7.66	ng	95

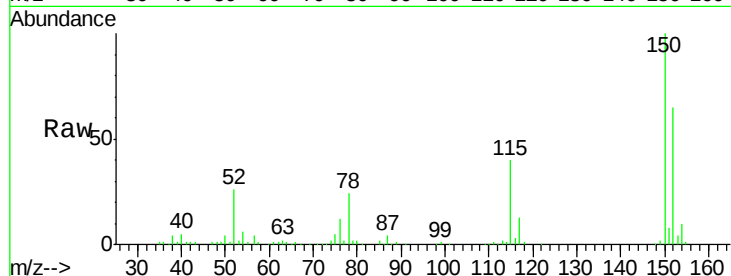
(#) = qualifier out of range (m) = manual integration (+) = signals summed



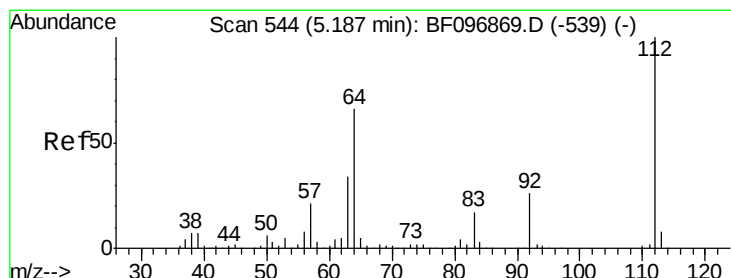
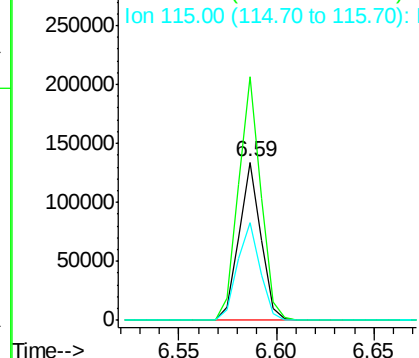
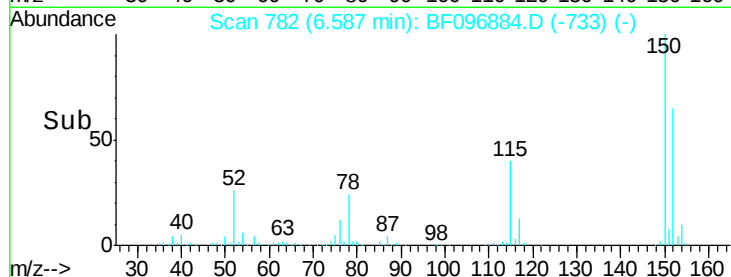
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.59 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF096884.D
 Acq: 19 Jul 2017 21:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 104792
 Ion Ratio Lower Upper
 152 100
 150 153.8 126.2 189.2
 115 61.7 52.2 78.2

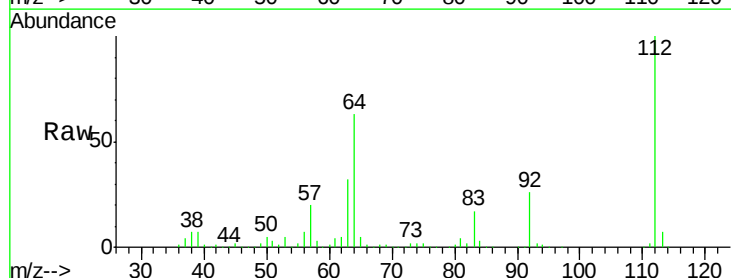


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

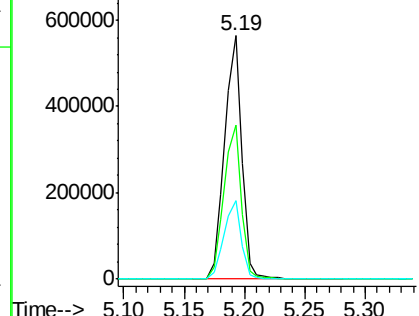
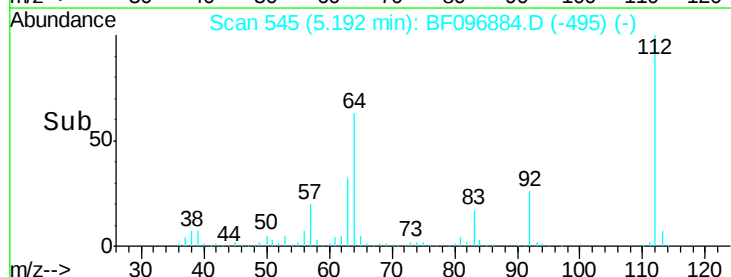


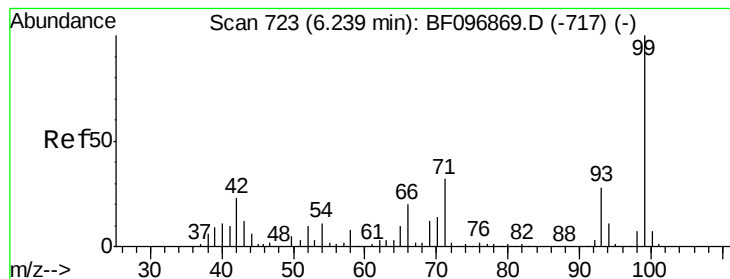
#5
 2-Fluorophenol
 Concen: 79.58 ng
 RT: 5.19 min Scan# 545
 Delta R.T. -0.01 min
 Lab File: BF096884.D
 Acq: 19 Jul 2017 21:52

Tgt Ion:112 Resp: 554605
 Ion Ratio Lower Upper
 112 100
 64 63.1 46.0 69.0
 63 32.2 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 80.18 ng

RT: 6.24 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF096884.D

Acq: 19 Jul 2017 21:52

Instrument :

BNA_F

ClientSampled :

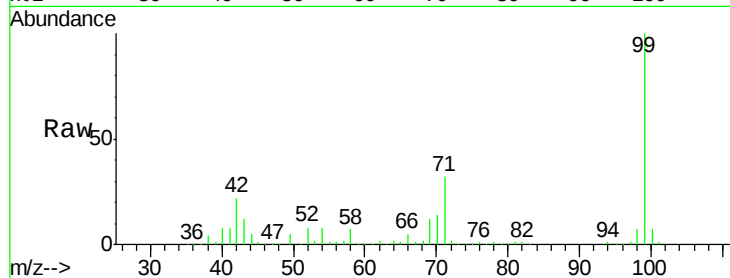
Tot Ion: 99 Resp: 670576

Ion Ratio Lower Upper

99 100

42 21.8 13.5 20.3#

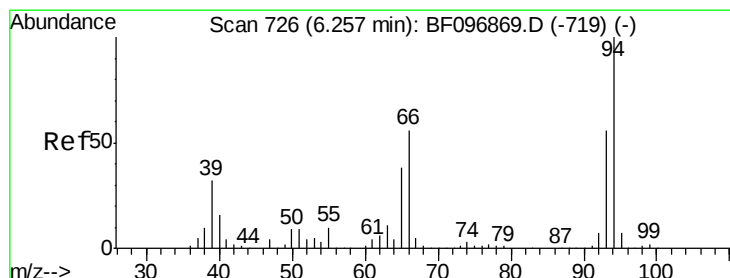
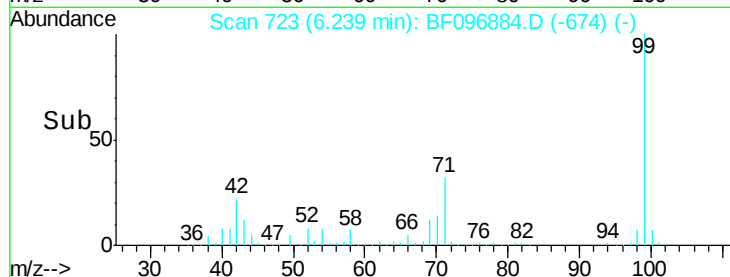
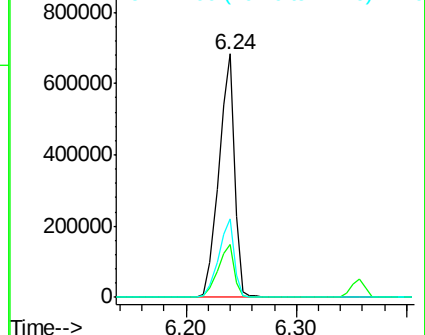
71 32.2 24.5 36.7



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



#10

Phenol

Concen: 3.22 ng

RT: 6.25 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF096884.D

Acq: 19 Jul 2017 21:52

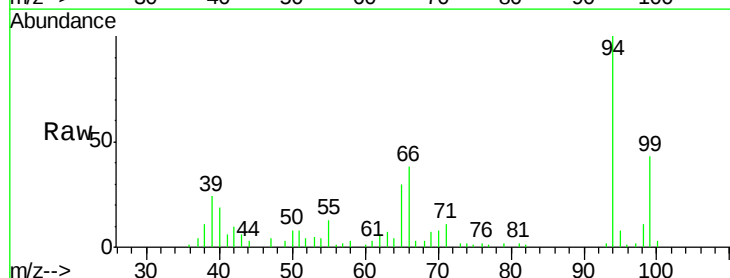
Tgt Ion: 94 Resp: 30431

Ion Ratio Lower Upper

94 100

65 29.9 9.9 49.9

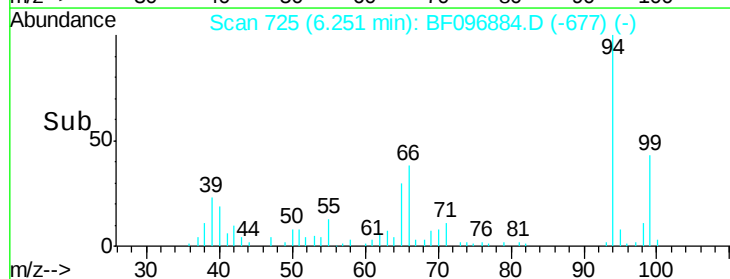
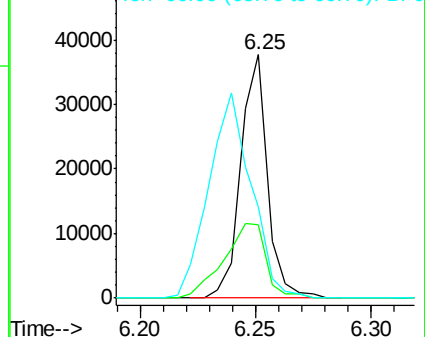
66 37.5 23.1 63.1

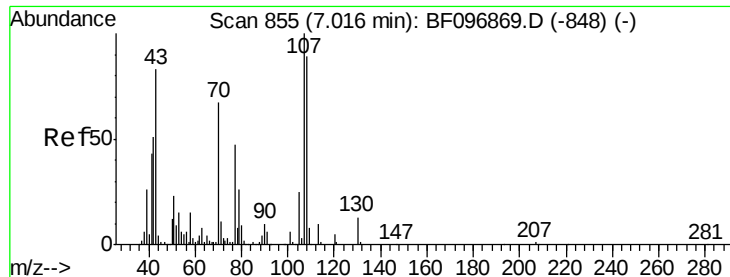


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

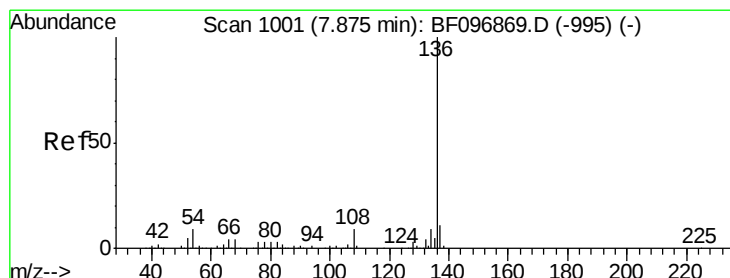
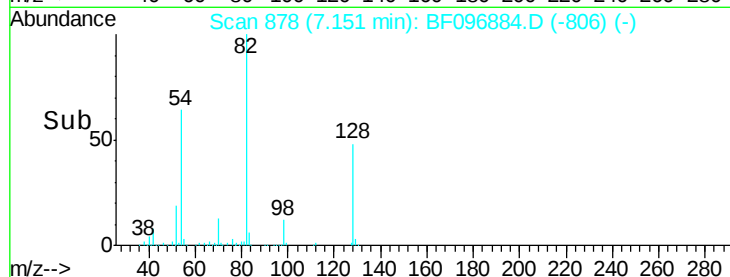
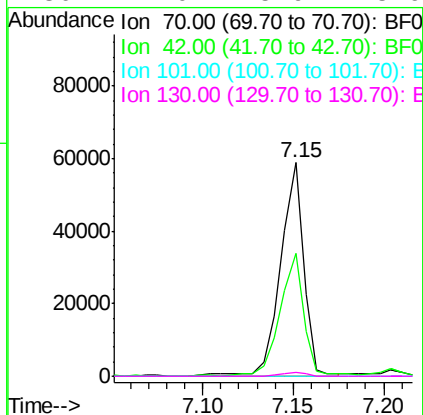
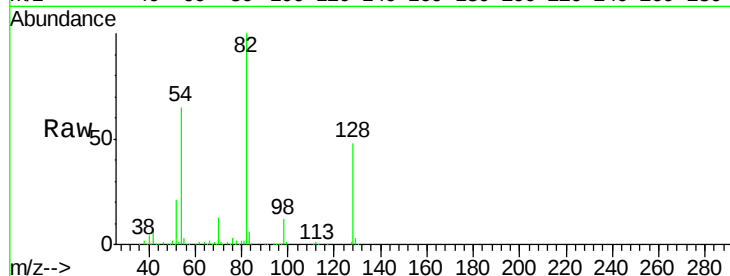




#19
n-Nitroso-di-n-propylamine
Concen: 10.45 ng
RT: 7.15 min Scan# 878
Delta R.T. 0.12 min
Lab File: BF096884.D
Acq: 19 Jul 2017 21:52

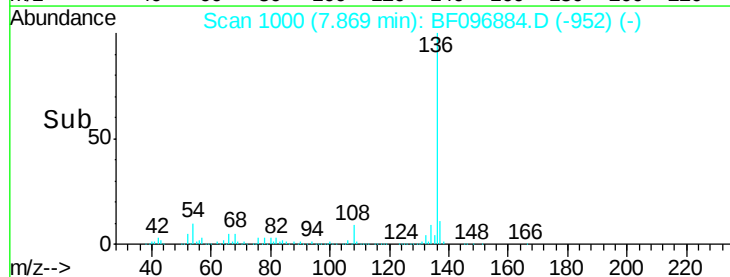
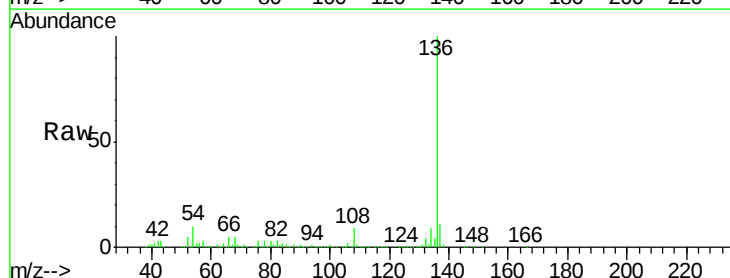
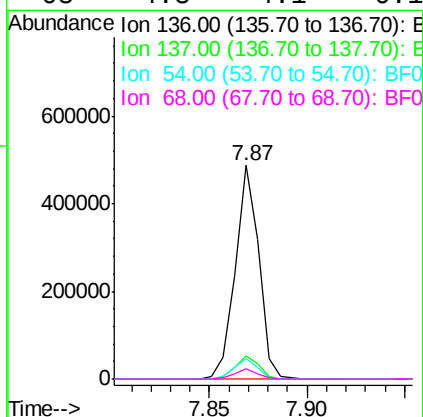
Instrument :
BNA_F
ClientSampleId :

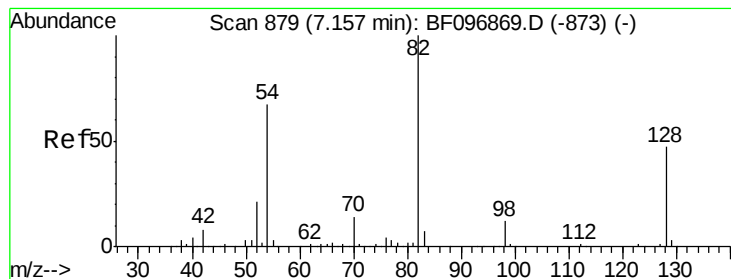
Tot Ion: 70 Resp: 52677
Ion Ratio Lower Upper
70 100
42 57.4 47.2 70.8
101 0.0 7.2 10.8#
130 2.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.87 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF096884.D
Acq: 19 Jul 2017 21:52

Tgt Ion:136 Resp: 405714
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 9.5 4.9 7.3#
68 4.8 4.1 6.1





#23

Nitrobenzene-d5

Concen: 58.59 ng

RT: 7.15 min Scan# 878

Delta R.T. -0.02 min

Lab File: BF096884.D

Acq: 19 Jul 2017 21:52

Instrument :

BNA_F

ClientSampled :

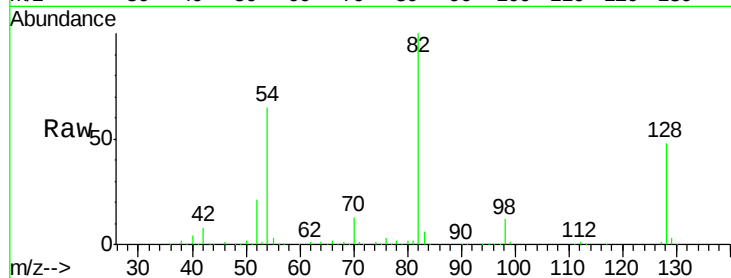
Tot Ion: 82 Resp: 383758

Ion Ratio Lower Upper

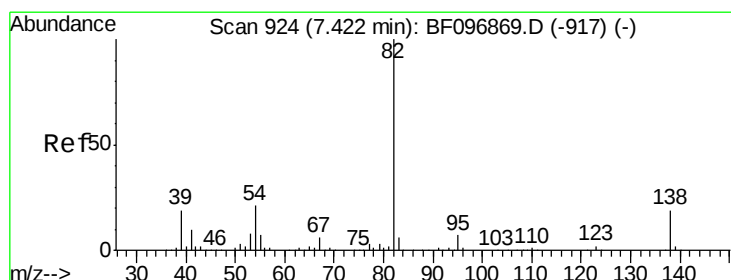
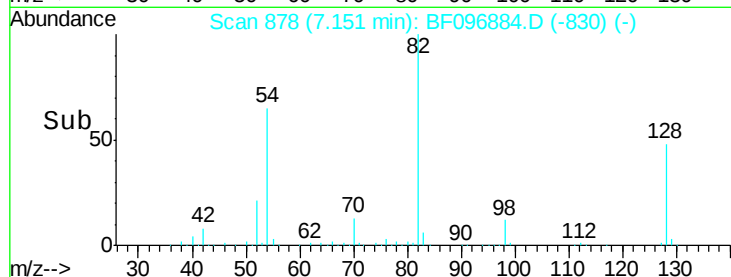
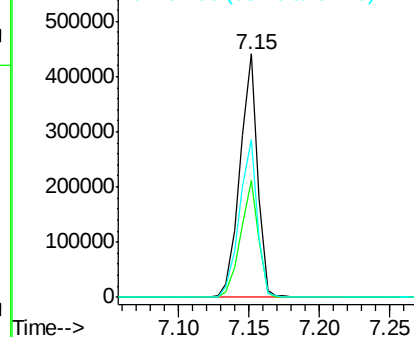
82 100

128 47.9 34.0 51.0

54 64.7 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: 31.28 ng

RT: 7.15 min Scan# 878

Delta R.T. -0.28 min

Lab File: BF096884.D

Acq: 19 Jul 2017 21:52

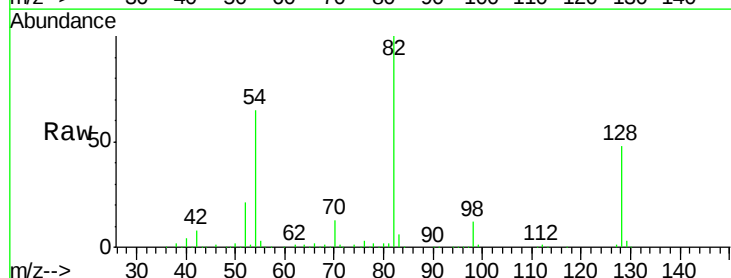
Tgt Ion: 82 Resp: 381122

Ion Ratio Lower Upper

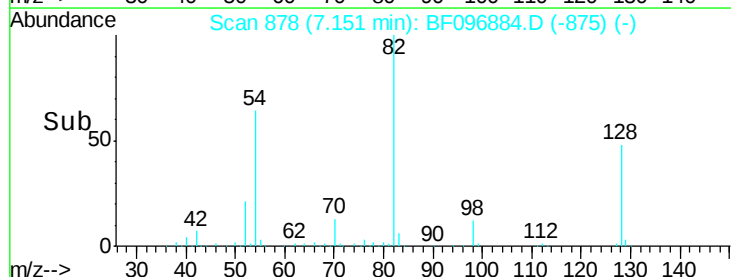
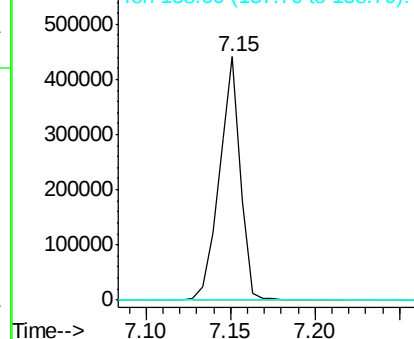
82 100

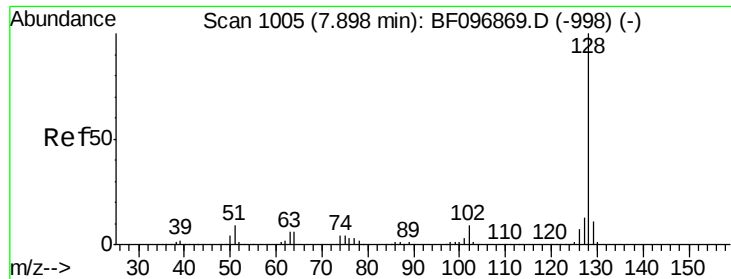
95 0.1 5.3 7.9#

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

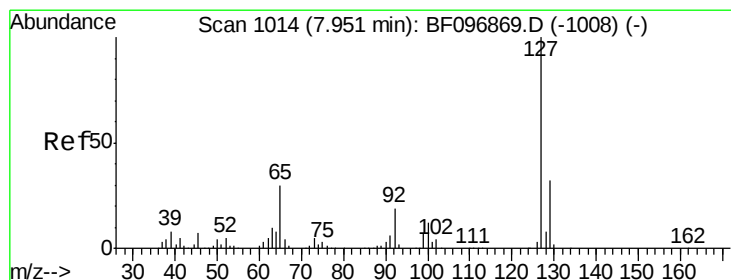
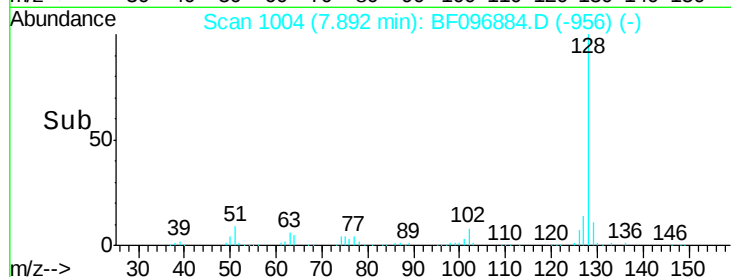
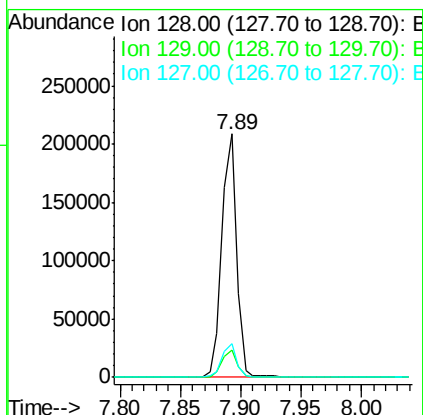
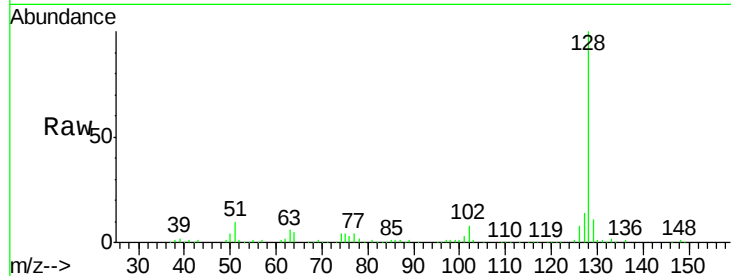




#31
Naphthalene
Concen: 9.18 ng
RT: 7.89 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF096884.D
Acq: 19 Jul 2017 21:52

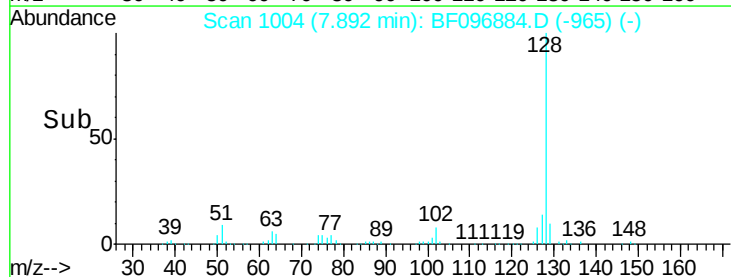
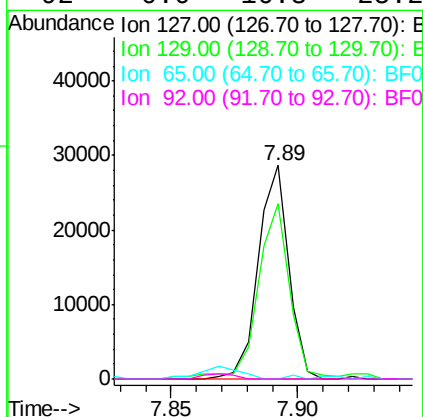
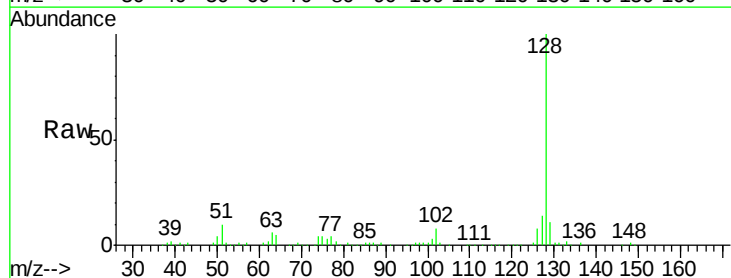
Instrument :
BNA_F
ClientSampled :

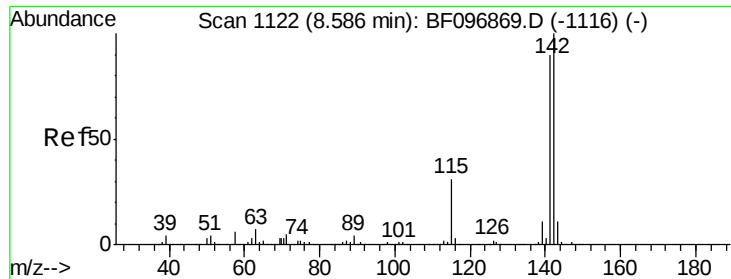
Tot Ion:128 Resp: 176465
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.7 10.8 16.2



#33
4-Chloroaniline
Concen: 3.15 ng
RT: 7.89 min Scan# 1004
Delta R.T. -0.07 min
Lab File: BF096884.D
Acq: 19 Jul 2017 21:52

Tgt Ion:127 Resp: 24015
Ion Ratio Lower Upper
127 100
129 82.3 26.2 39.2#
65 0.0 27.8 41.8#
92 0.0 16.8 25.2#

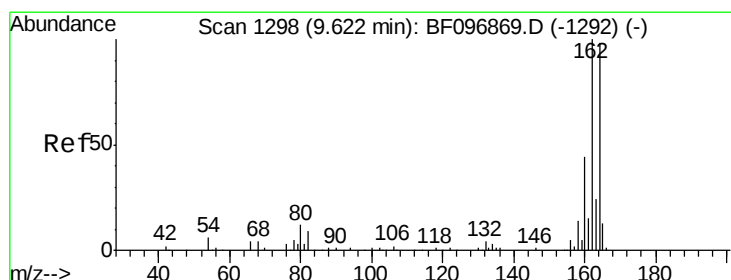
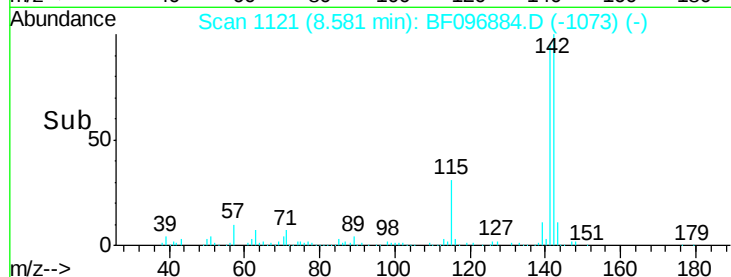
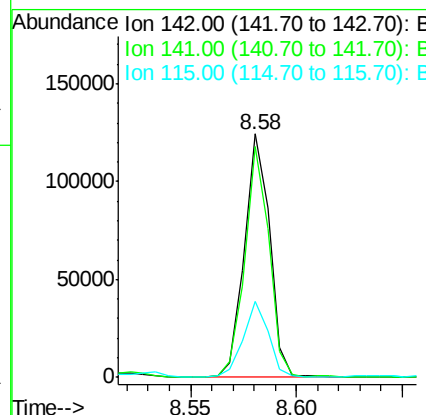
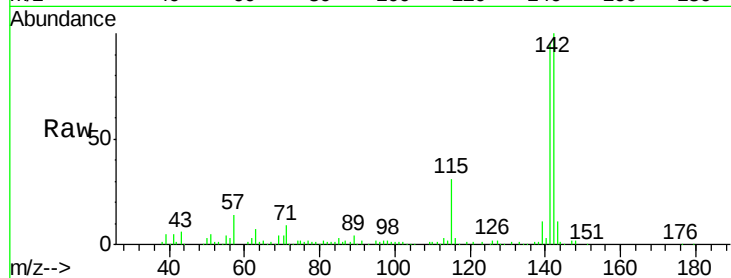




#37
 2-Methylnaphthalene
 Concen: 8.39 ng
 RT: 8.58 min Scan# 1121
 Delta R.T. -0.02 min
 Lab File: BF096884.D
 Acq: 19 Jul 2017 21:52

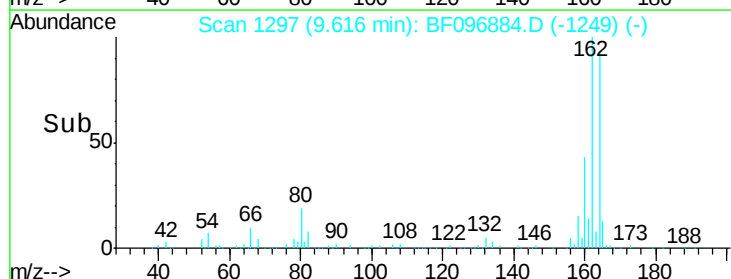
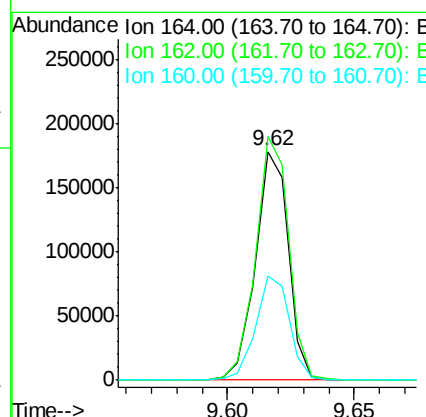
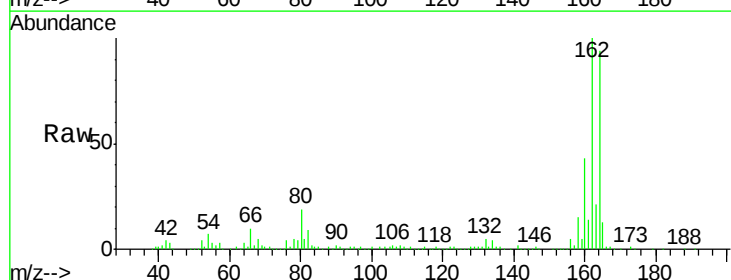
Instrument :
 BNA_F
 ClientSampleId :

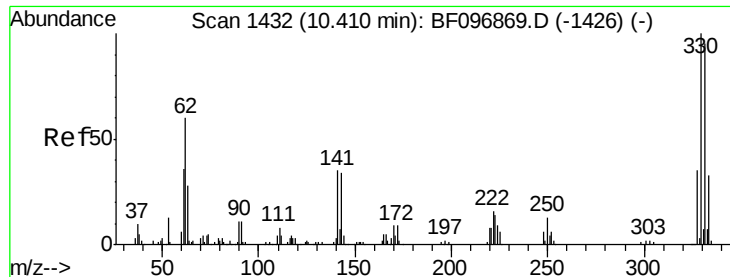
Tot Ion	Ratio	Lower	Upper
142	100		
141	94.7	71.3	106.9
115	31.4	27.1	40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.62 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF096884.D
 Acq: 19 Jul 2017 21:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.4	82.6	123.8
160	45.3	36.2	54.2

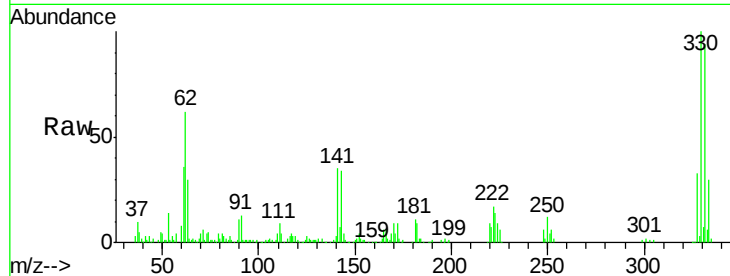




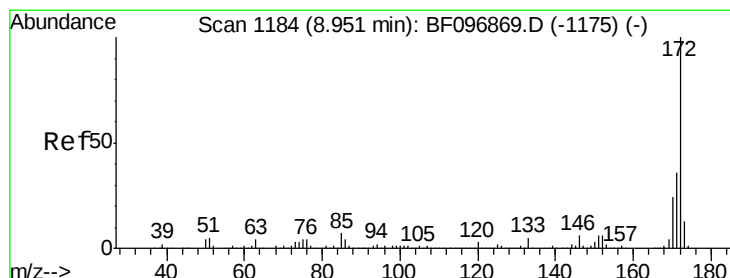
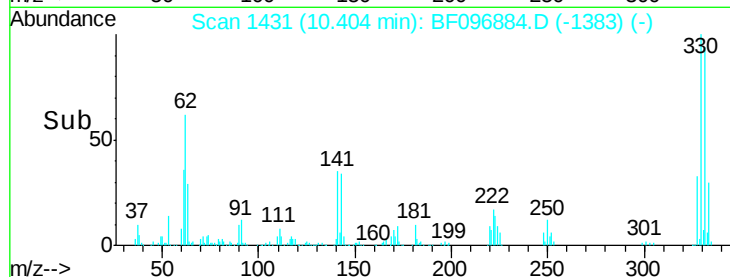
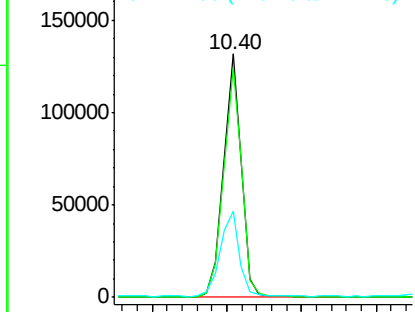
#41
 2,4,6-Tribromophenol
 Concen: 82.10 ng
 RT: 10.40 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF096884.D
 Acq: 19 Jul 2017 21:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	330	Resp	112875
Ion Ratio	100	Lower	Upper
330	100		
332	96.1	76.6	115.0
141	37.0	31.4	47.2

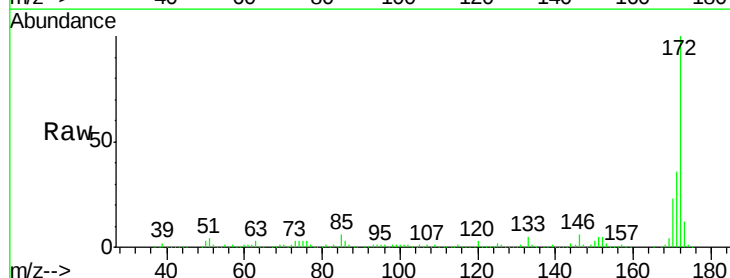


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

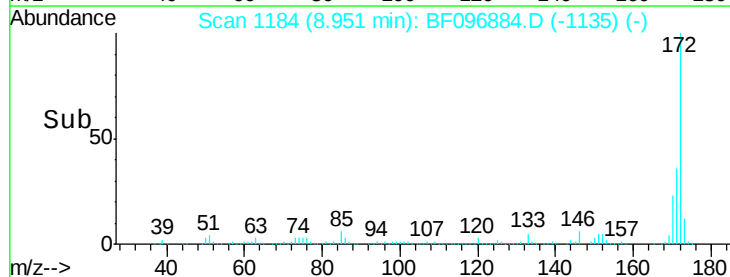
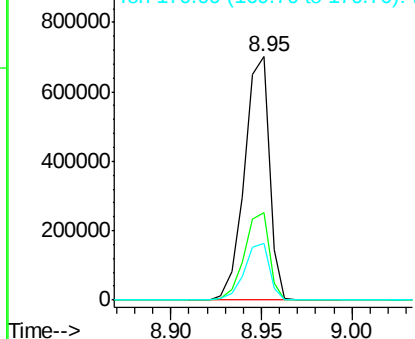


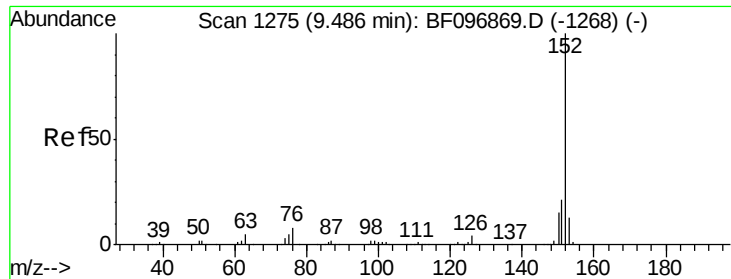
#44
 2-Fluorobiphenyl
 Concen: 65.87 ng
 RT: 8.95 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF096884.D
 Acq: 19 Jul 2017 21:52

Tgt Ion	172	Resp	671497
Ion Ratio	100	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.4	19.8	29.8



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





#48

Acenaphthylene

Concen: 5.84 ng

RT: 9.47 min Scan# 1273

Delta R.T. -0.02 min

Lab File: BF096884.D

Acq: 19 Jul 2017 21:52

Instrument :

BNA_F

ClientSampleId :

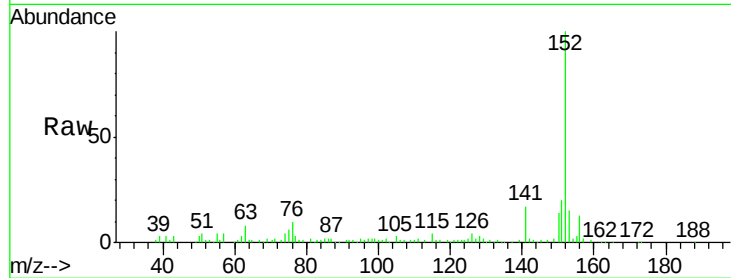
Tot Ion:152 Resp: 94693

Ion Ratio Lower Upper

152 100

151 19.7 16.8 25.2

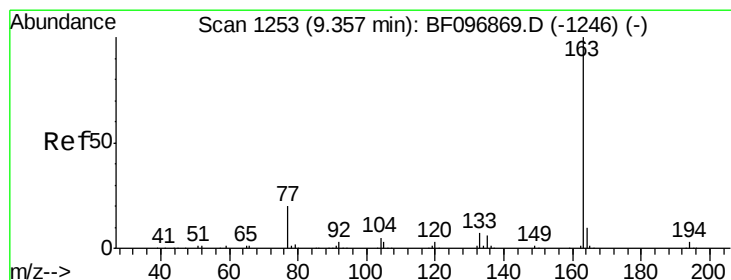
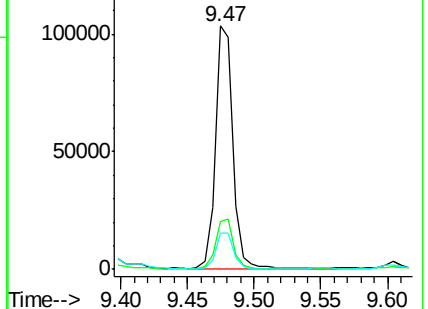
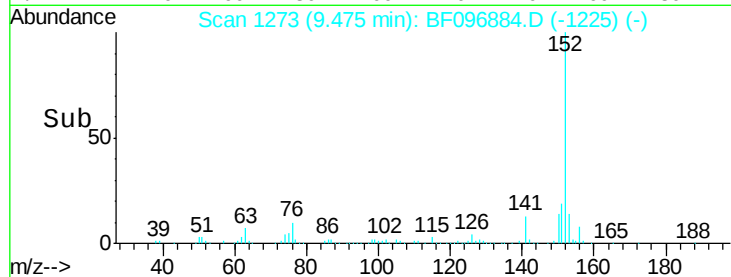
153 14.8 10.8 16.2



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



#49

Dimethylphthalate

Concen: 7.85 ng

RT: 9.35 min Scan# 1251

Delta R.T. -0.02 min

Lab File: BF096884.D

Acq: 19 Jul 2017 21:52

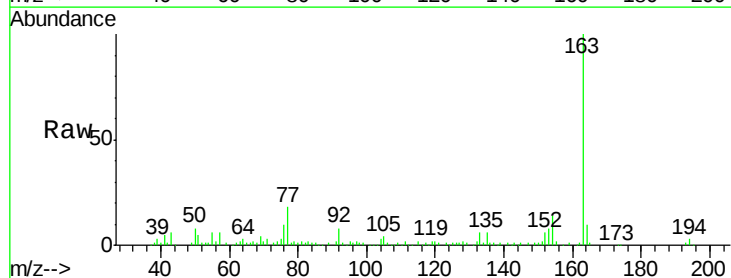
Tgt Ion:163 Resp: 95165

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

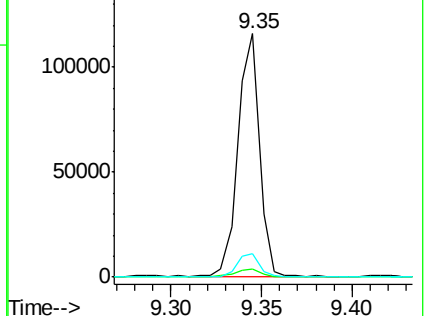
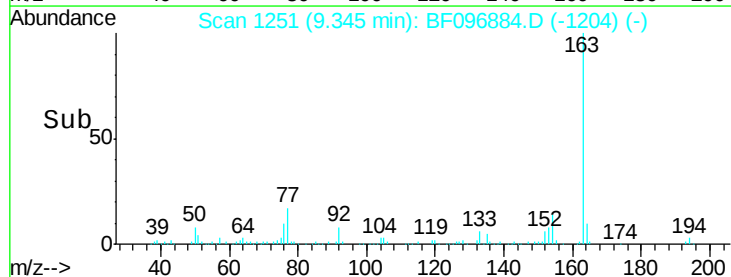
164 9.7 8.4 12.6

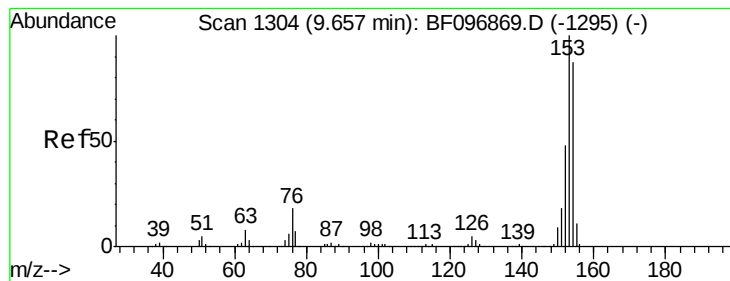


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 5.38 ng

RT: 9.65 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF096884.D

Acq: 19 Jul 2017 21:52

Instrument :

BNA_F

ClientSampleId :

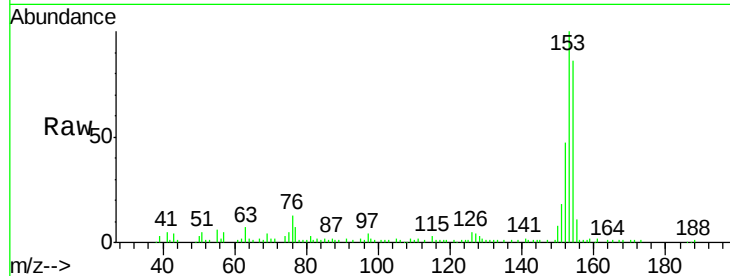
Tot Ion:154 Resp: 51507

Ion Ratio Lower Upper

154 100

153 116.0 90.5 135.7

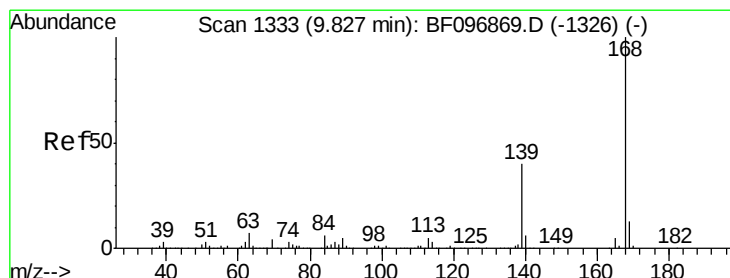
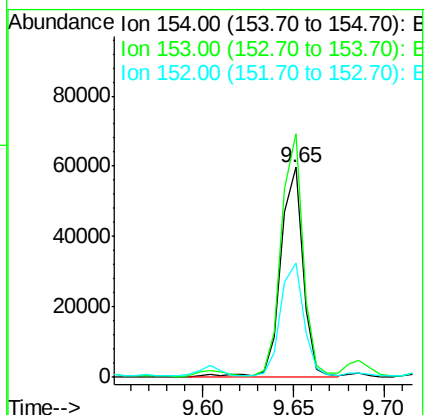
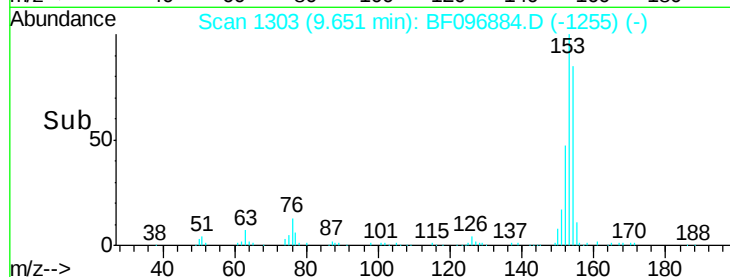
152 54.5 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.65 ng

RT: 9.82 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BF096884.D

Acq: 19 Jul 2017 21:52

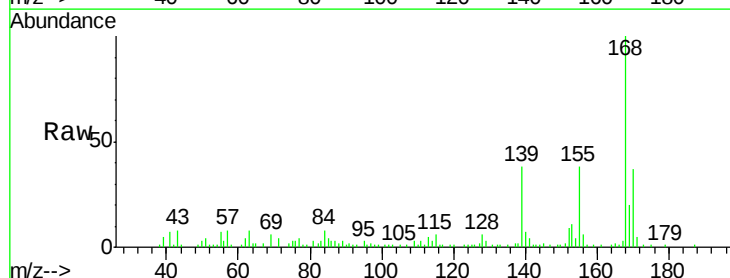
Tgt Ion:168 Resp: 48989

Ion Ratio Lower Upper

168 100

139 37.6 30.6 45.8

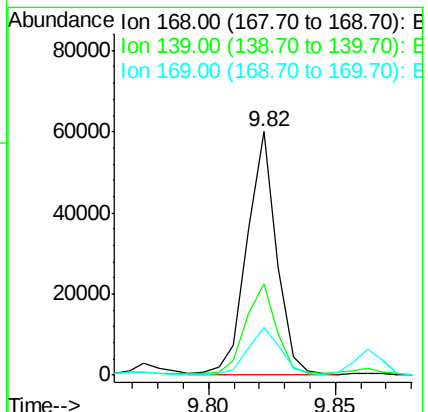
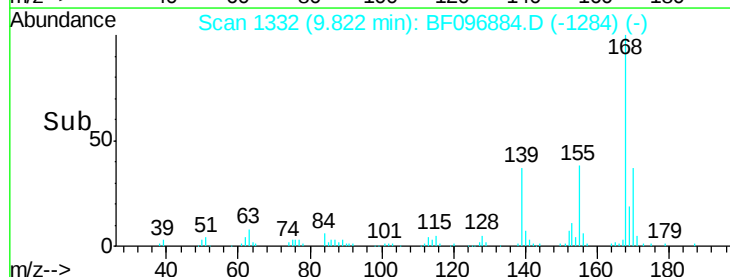
169 19.5 10.8 16.2#

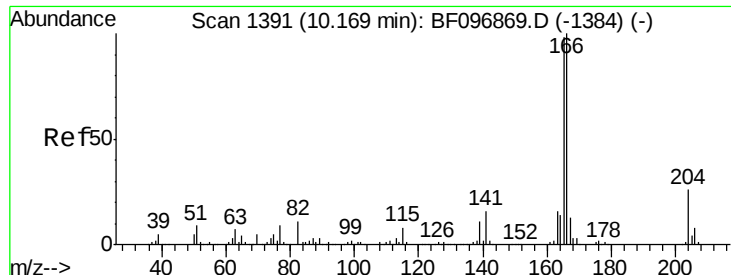


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

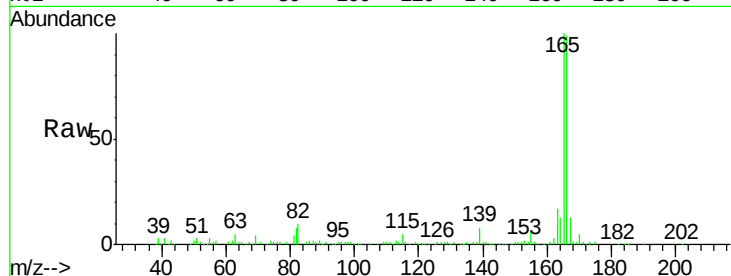




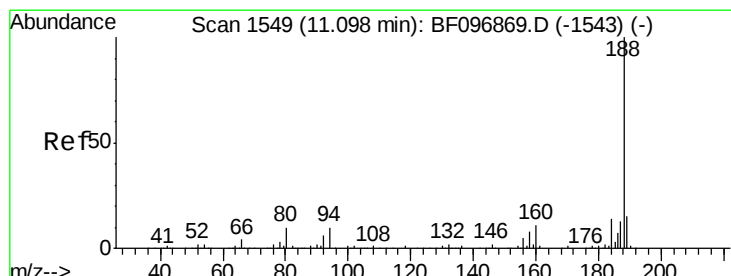
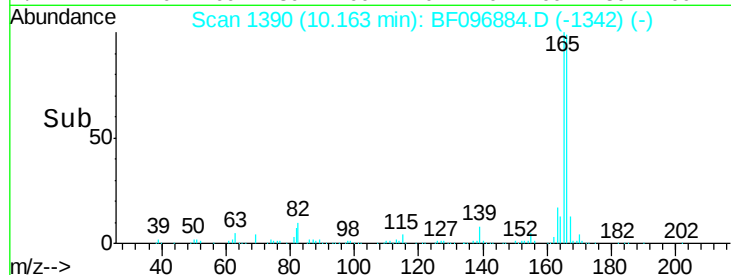
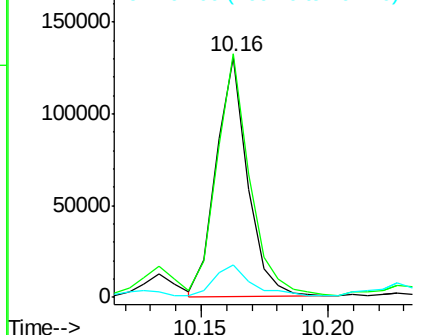
#57
 Fluorene
 Concen: 11.32 ng
 RT: 10.16 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: BF096884.D
 Acq: 19 Jul 2017 21:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 112242
 Ion Ratio Lower Upper
 166 100
 165 101.5 78.8 118.2
 167 13.7 10.6 16.0

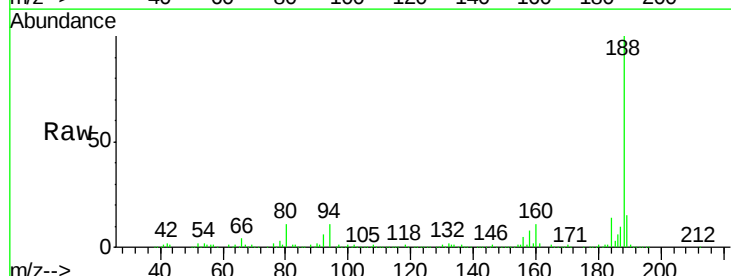


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

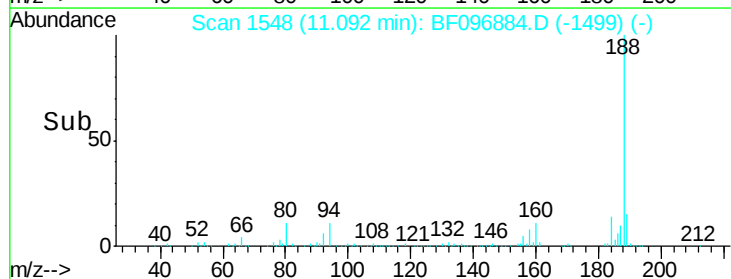
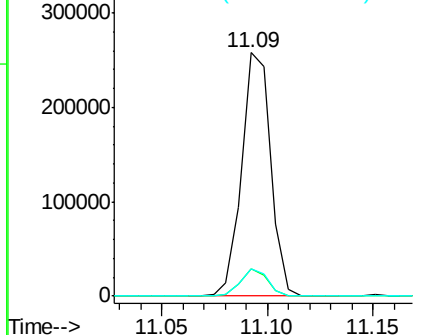


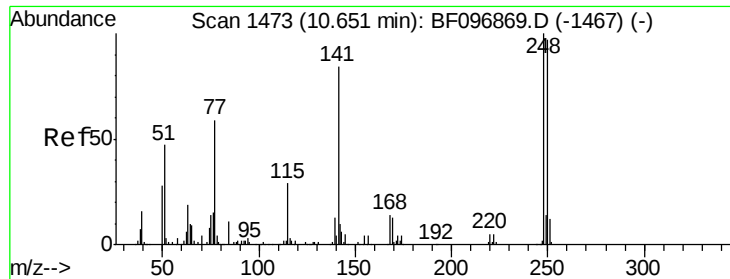
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.09 min Scan# 1548
 Delta R.T. -0.01 min
 Lab File: BF096884.D
 Acq: 19 Jul 2017 21:52

Tgt Ion:188 Resp: 246215
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.4 14.2
 80 11.0 10.2 15.2



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

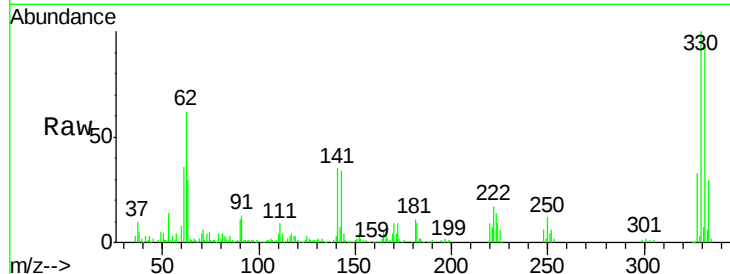




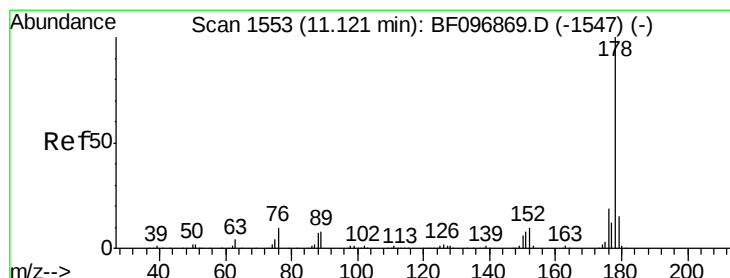
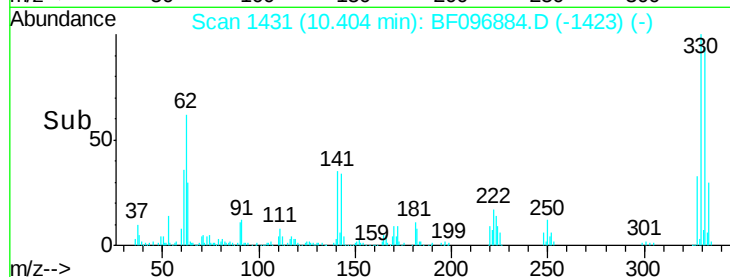
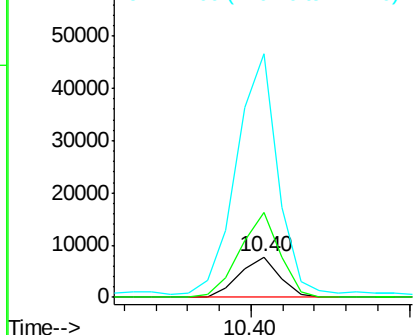
#66
 4-Bromophenyl-phenylether
 Concen: 2.68 ng
 RT: 10.40 min Scan# 1431
 Delta R.T. -0.25 min
 Lab File: BF096884.D
 Acq: 19 Jul 2017 21:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 6748
 Ion Ratio Lower Upper
 248 100
 250 209.3 76.8 115.2#
 141 604.0 68.6 103.0#

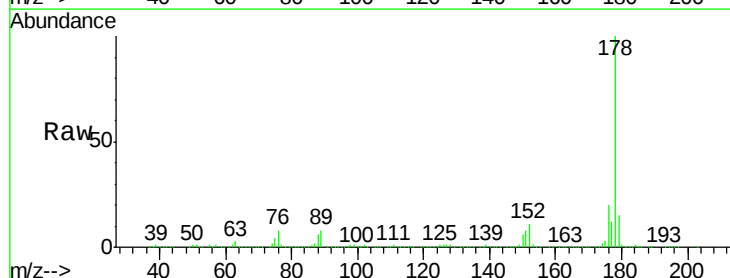


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

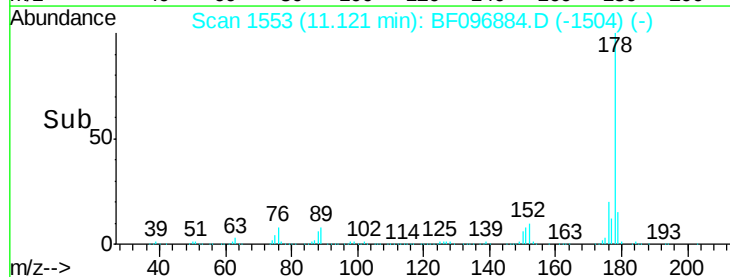
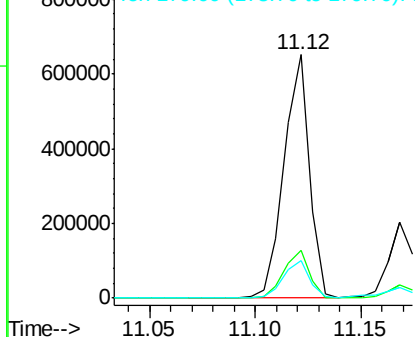


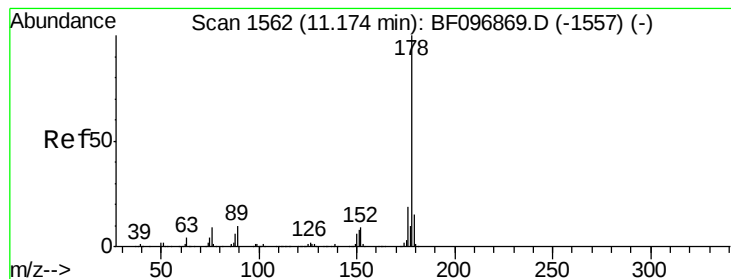
#70
 Phenanthrene
 Concen: 40.89 ng
 RT: 11.12 min Scan# 1553
 Delta R.T. -0.01 min
 Lab File: BF096884.D
 Acq: 19 Jul 2017 21:52

Tgt Ion:178 Resp: 547448
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.2 24.4
 179 15.2 12.6 19.0



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





#71

Anthracene

Concen: 11.82 ng

RT: 11.17 min Scan# 1561

Delta R.T. -0.02 min

Lab File: BF096884.D

Acq: 19 Jul 2017 21:52

Instrument :

BNA_F

ClientSampleId :

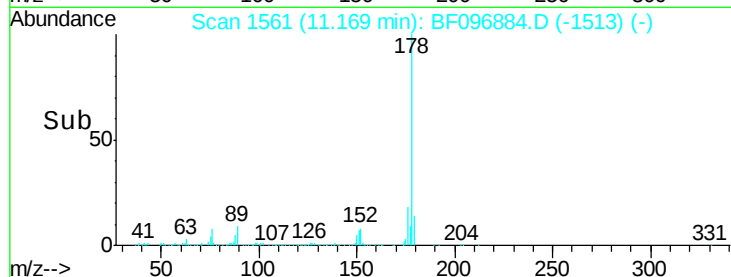
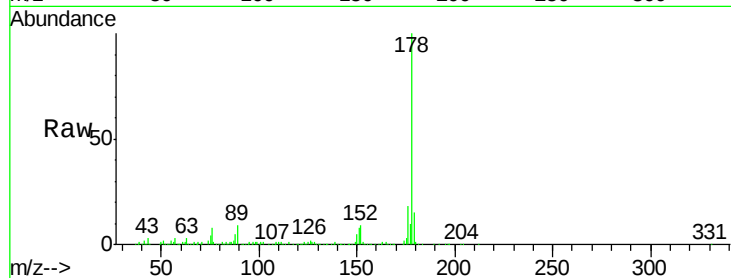
Tot Ion:178 Resp: 159928

Ion Ratio Lower Upper

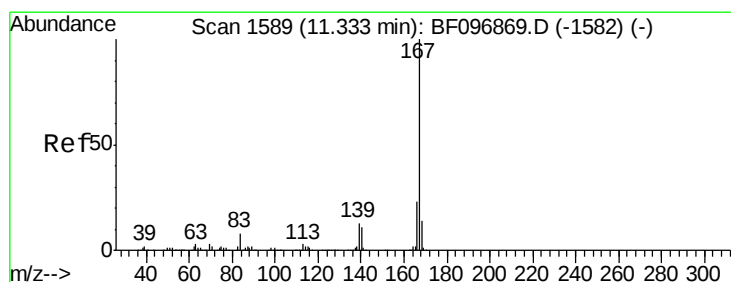
178 100

176 18.1 15.8 23.8

179 14.9 12.7 19.1



Time-->



#72

Carbazole

Concen: 2.63 ng

RT: 11.33 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF096884.D

Acq: 19 Jul 2017 21:52

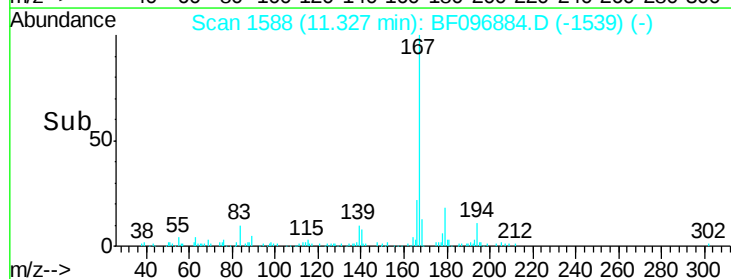
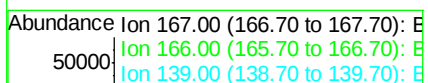
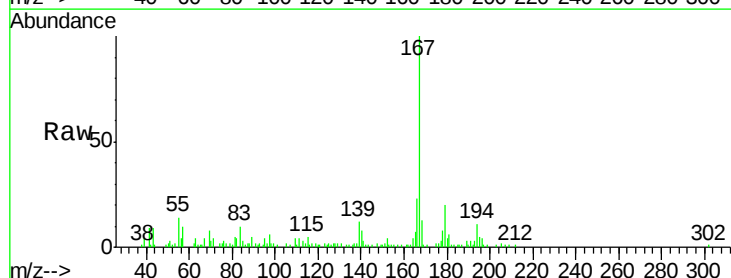
Tgt Ion:167 Resp: 34448

Ion Ratio Lower Upper

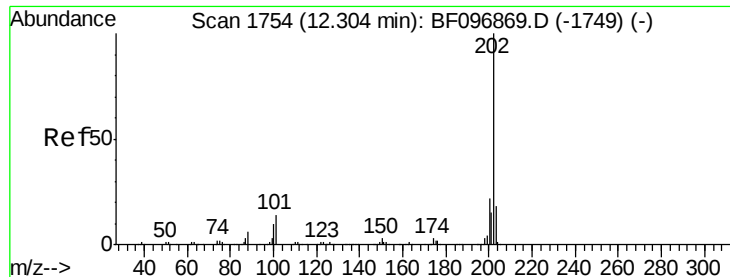
167 100

166 22.7 18.1 27.1

139 12.0 11.7 17.5



Time-->



#74

Fluoranthene

Concen: 33.40 ng

RT: 12.30 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF096884.D

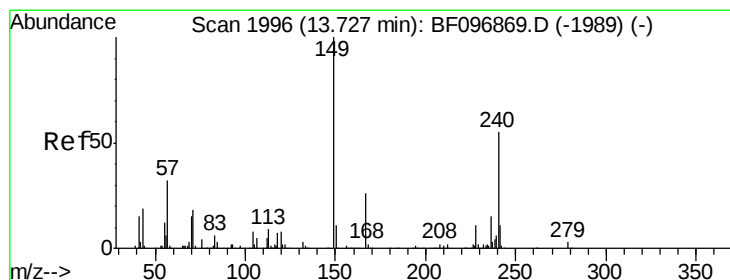
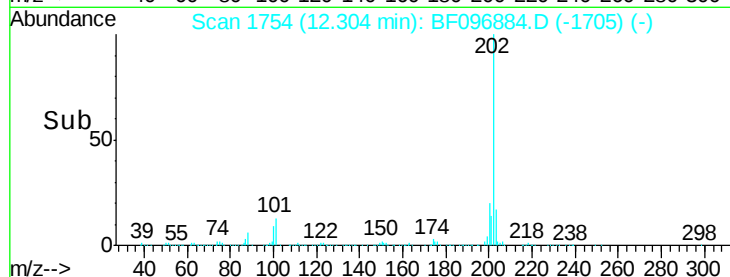
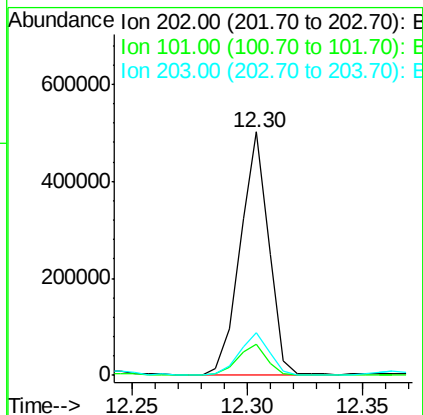
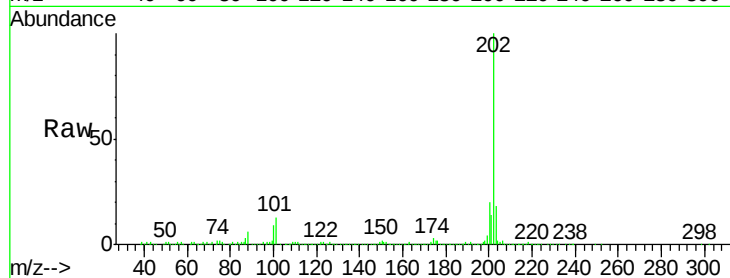
Acq: 19 Jul 2017 21:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	428049
Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	17.6	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

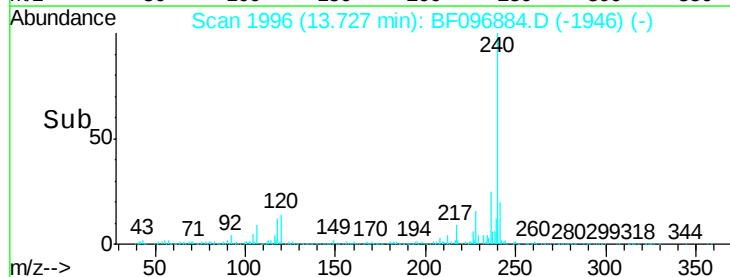
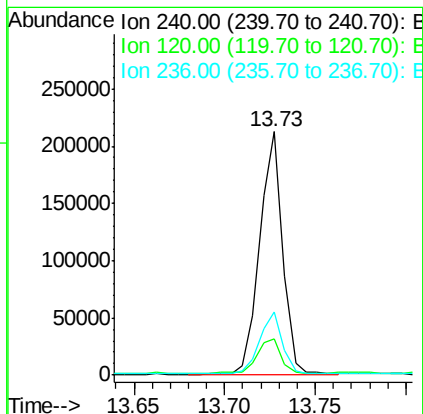
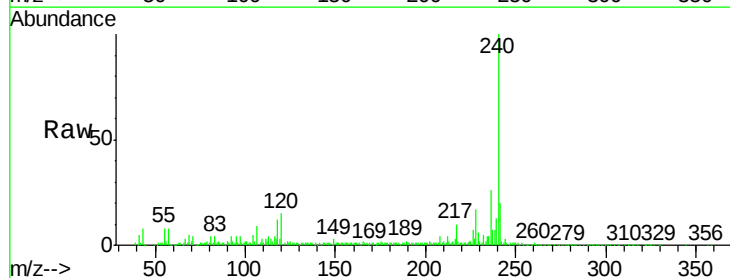
RT: 13.73 min Scan# 1996

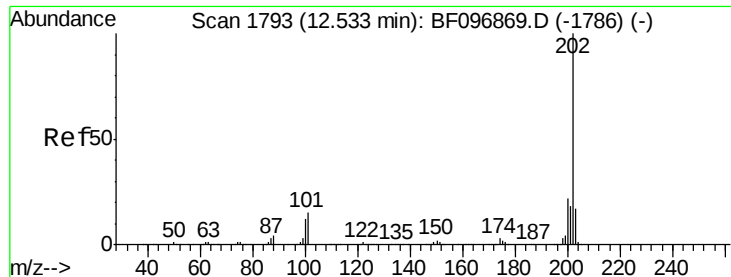
Delta R.T. -0.01 min

Lab File: BF096884.D

Acq: 19 Jul 2017 21:52

Tgt Ion:	240	Resp:	187447
Ion	Ratio	Lower	Upper
240	100		
120	15.0	5.8	8.8#
236	25.7	20.5	30.7





#77

Pvrene

Concen: 28.97 ng

RT: 12.53 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF096884.D

Acq: 19 Jul 2017 21:52

Instrument :

BNA_F

ClientSampleId :

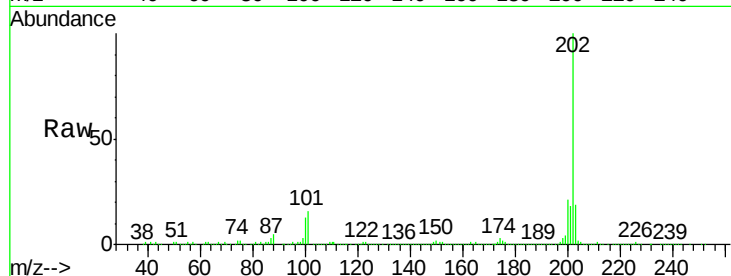
Tot Ion:202 Resp: 492897

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

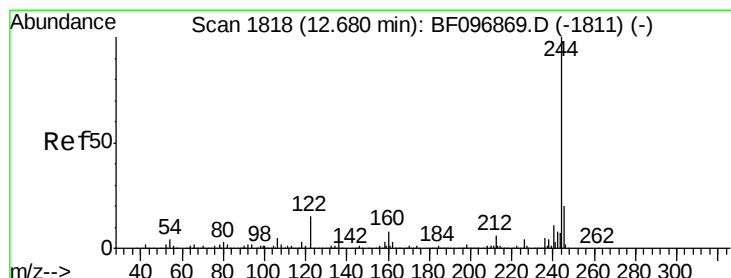
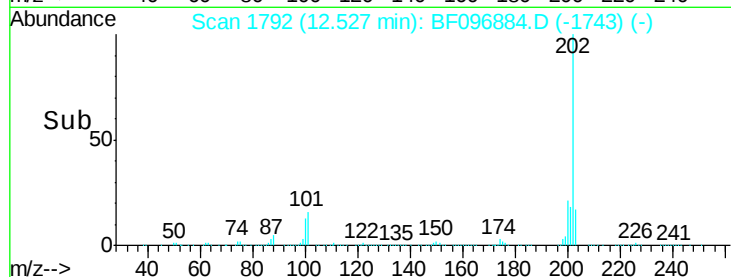
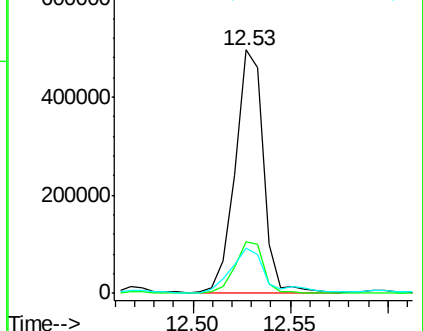
203 18.5 14.4 21.6



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: 41.49 ng

RT: 12.68 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF096884.D

Acq: 19 Jul 2017 21:52

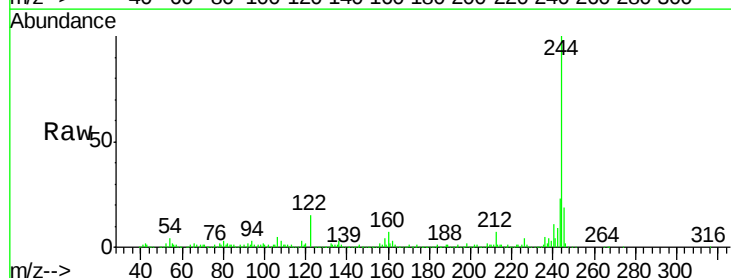
Tgt Ion:244 Resp: 448445

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

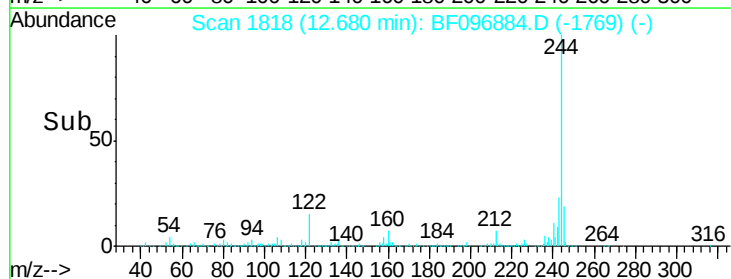
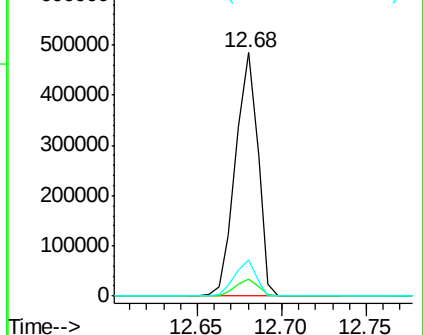
122 14.6 10.3 15.5

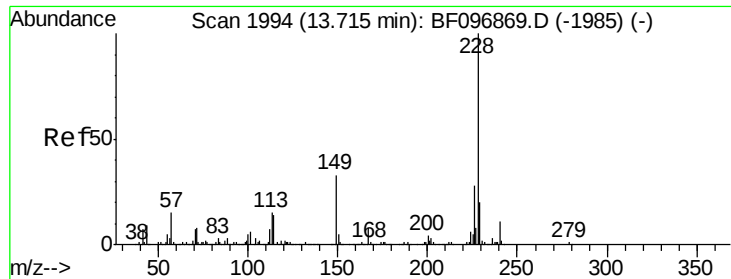


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

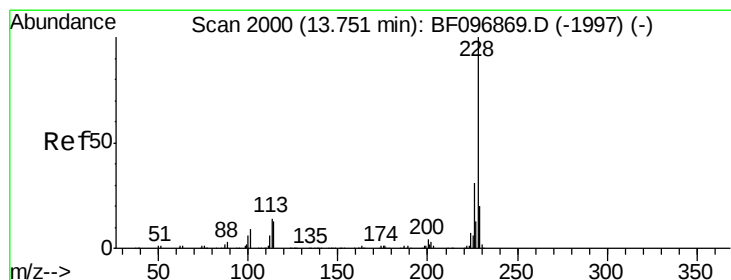
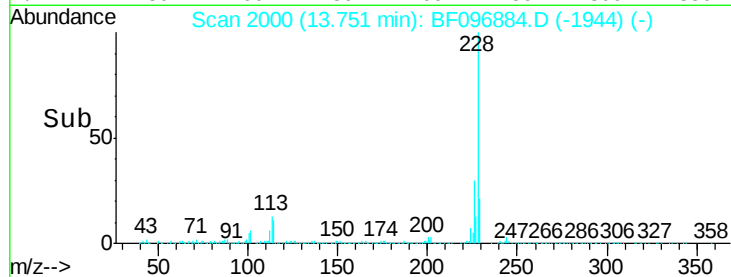
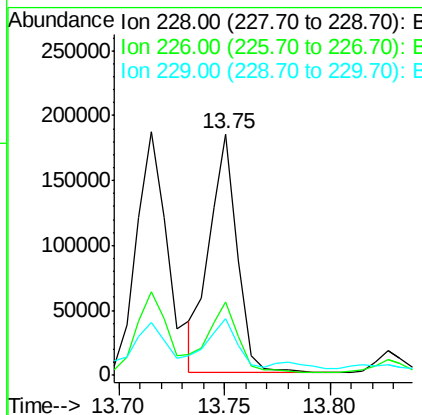
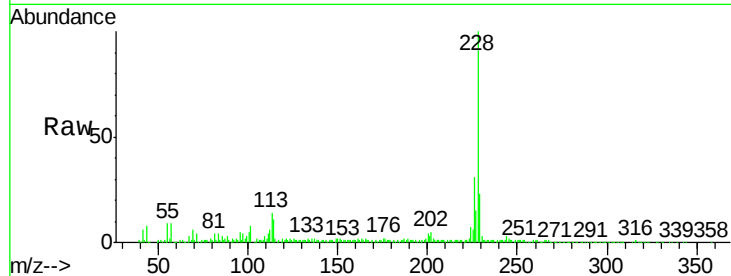




#80
Benzo(a)anthracene
Concen: 14.41 ng
RT: 13.75 min Scan# 2000
Delta R.T. 0.03 min
Lab File: BF096884.D
Acq: 19 Jul 2017 21:52

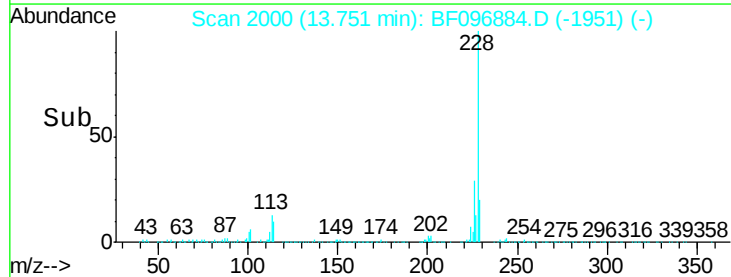
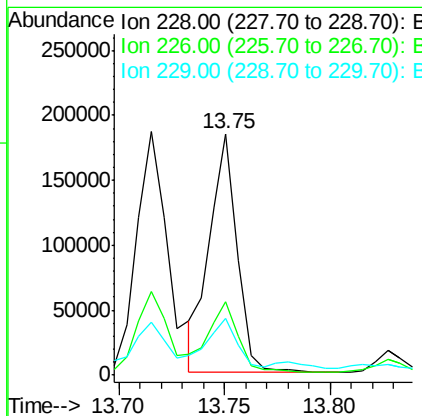
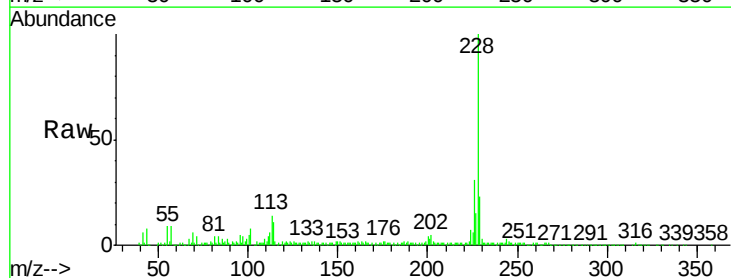
Instrument :
BNA_F
ClientSampleId :

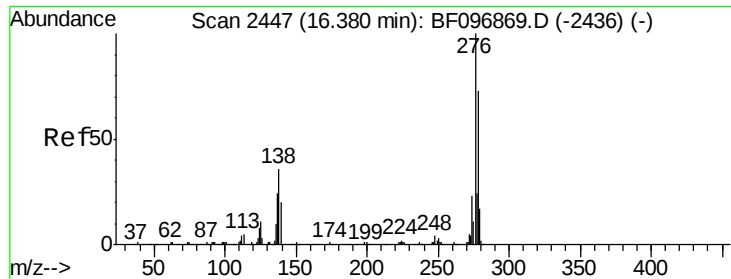
Tot Ion:228 Resp: 168267
Ion Ratio Lower Upper
228 100
226 30.6 22.6 33.8
229 23.4 16.3 24.5



#82
Chrysene
Concen: 14.63 ng
RT: 13.75 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF096884.D
Acq: 19 Jul 2017 21:52

Tgt Ion:228 Resp: 168267
Ion Ratio Lower Upper
228 100
226 30.6 24.9 37.3
229 23.4 15.8 23.6

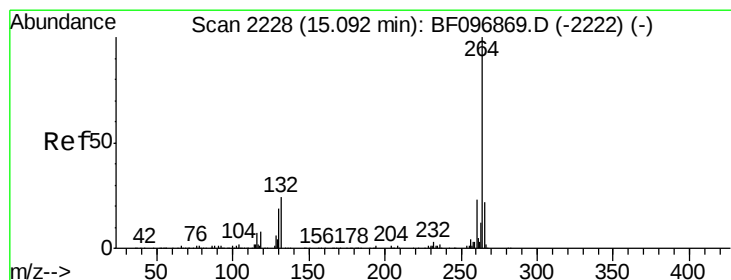
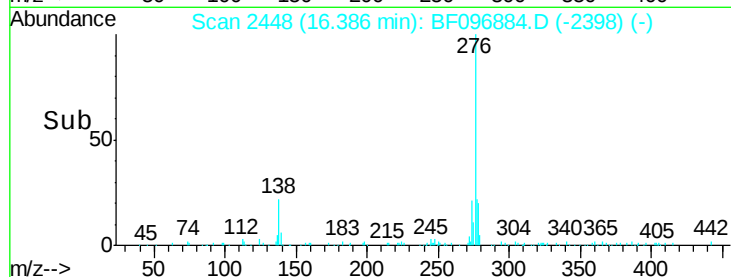
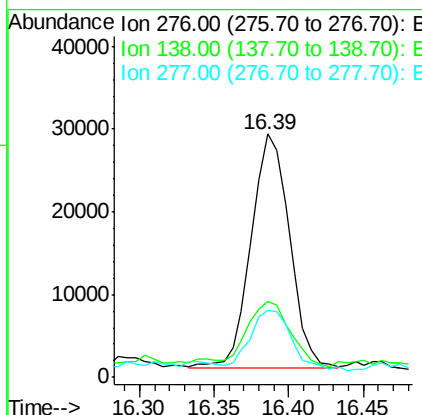
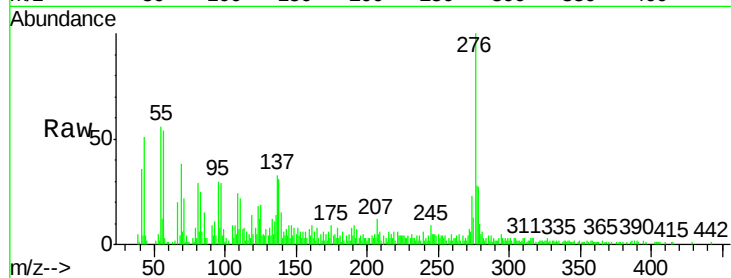




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.85 ng
 RT: 16.39 min Scan# 2448
 Delta R.T. -0.01 min
 Lab File: BF096884.D
 Acq: 19 Jul 2017 21:52

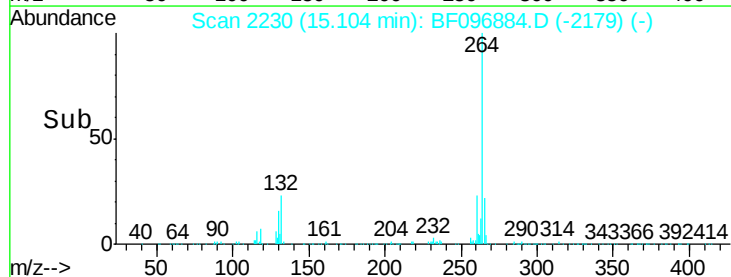
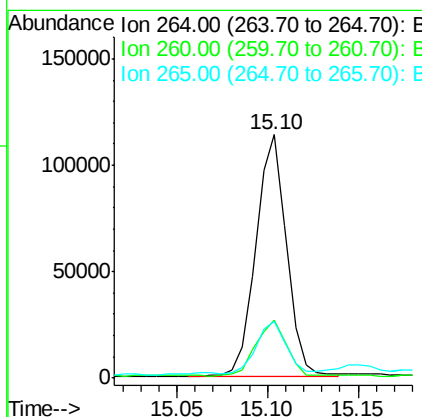
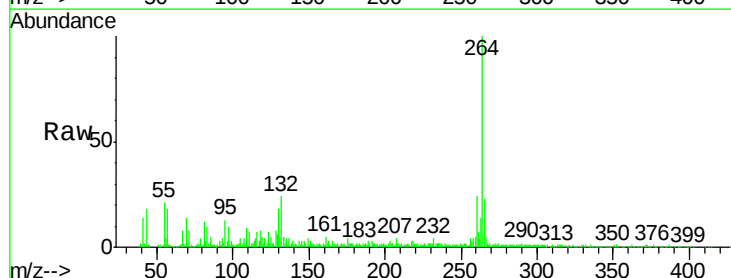
Instrument :
 BNA_F
 ClientSampleId :

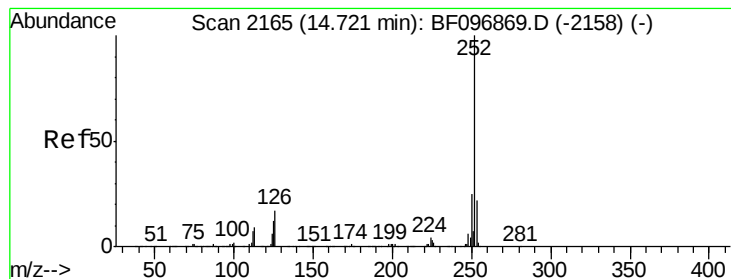
Tot Ion:276 Resp: 50229
 Ion Ratio Lower Upper
 276 100
 138 32.9 27.8 41.6
 277 27.6 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.10 min Scan# 2230
 Delta R.T. -0.00 min
 Lab File: BF096884.D
 Acq: 19 Jul 2017 21:52

Tgt Ion:264 Resp: 133240
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.5 29.3
 265 23.3 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 21.74 ng

RT: 14.73 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BF096884.D

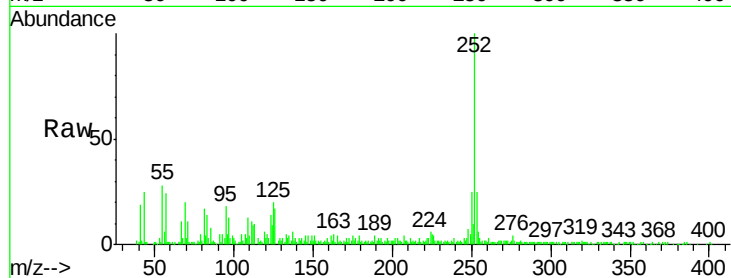
Acq: 19 Jul 2017 21:52

Instrument :

BNA_F

ClientSampled :

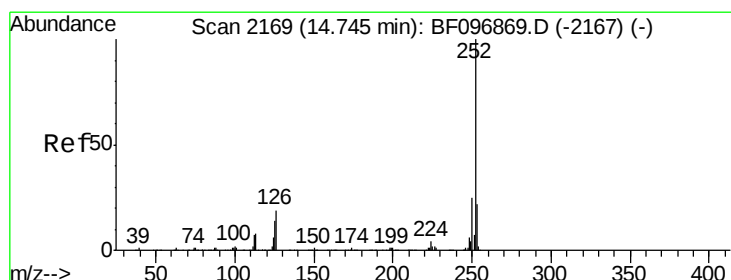
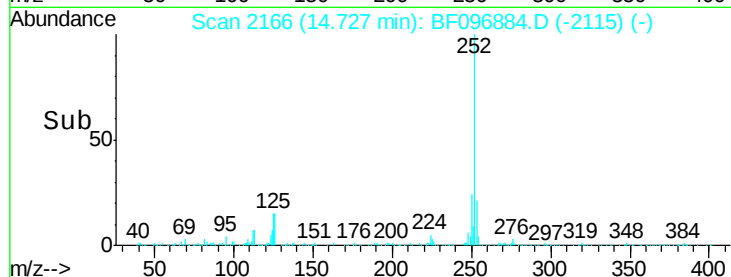
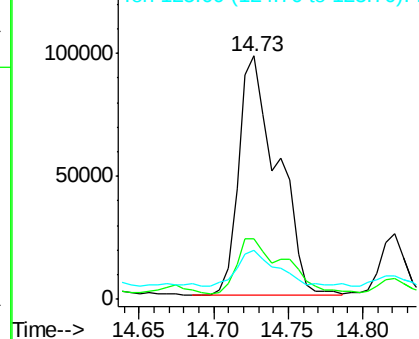
Tot Ion:252	Resp:	174668
Ion Ratio	Lower	Upper
252	100	
253	24.8	18.1 27.1
125	20.3	9.8 14.8#



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: 22.97 ng

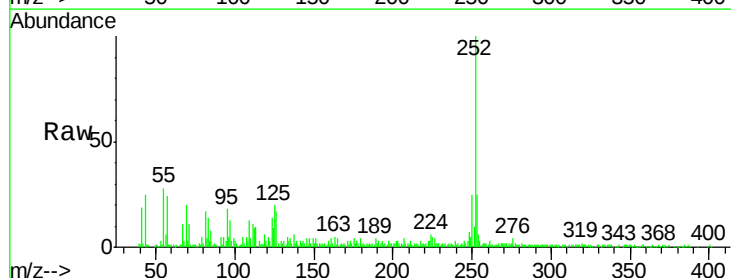
RT: 14.73 min Scan# 2166

Delta R.T. -0.03 min

Lab File: BF096884.D

Acq: 19 Jul 2017 21:52

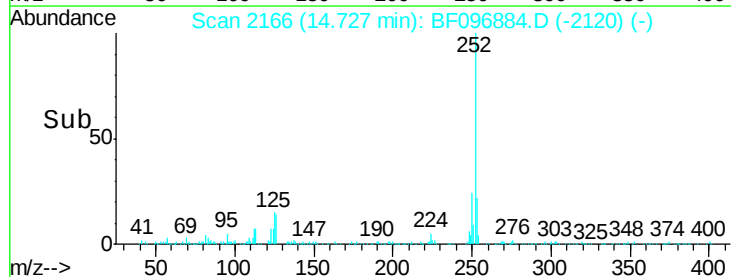
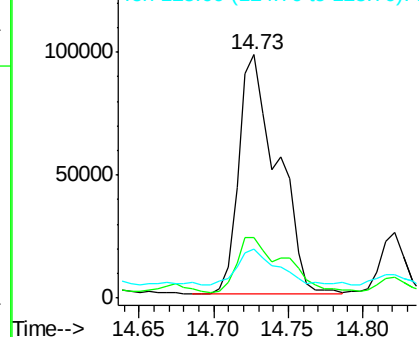
Tgt Ion:252	Resp:	174803
Ion Ratio	Lower	Upper
252	100	
253	24.8	18.4 27.6
125	20.3	13.1 19.7#

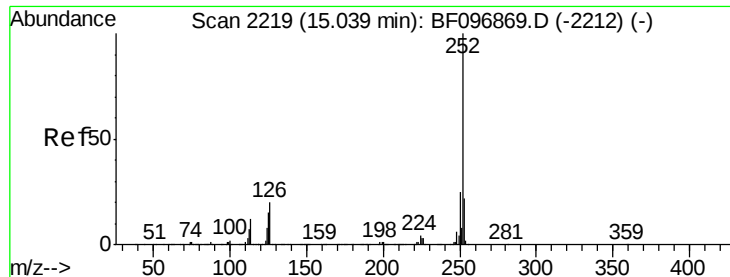


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 15.05 ng

RT: 15.04 min Scan# 2220

Delta R.T. -0.01 min

Lab File: BF096884.D

Acq: 19 Jul 2017 21:52

Instrument :

BNA_F

ClientSampled :

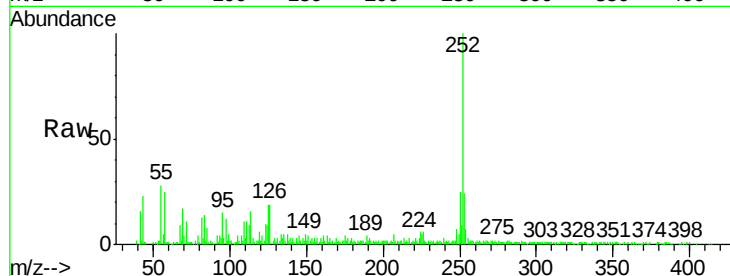
Tot Ion:252 Resp: 110951

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

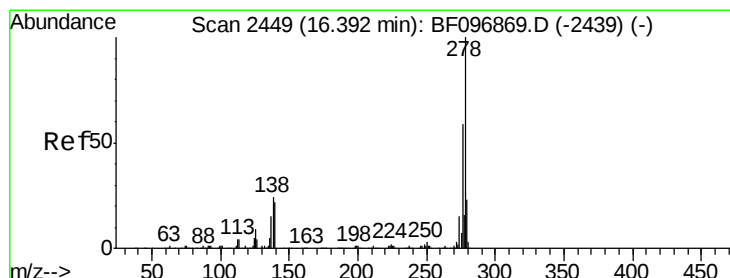
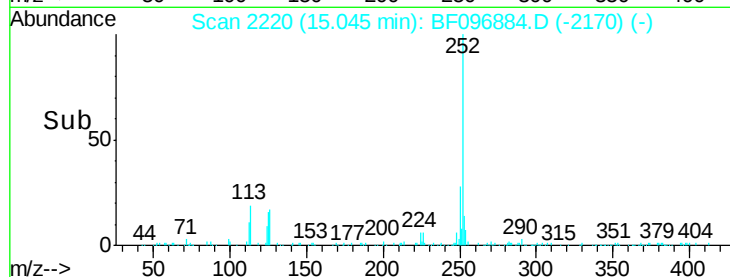
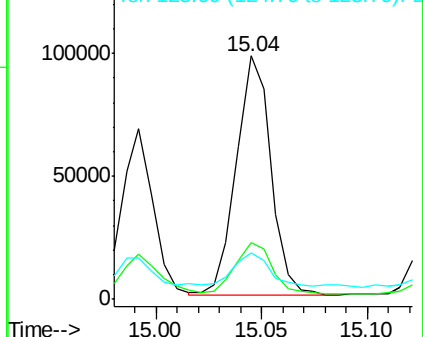
125 19.1 11.0 16.4#



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



#90

Dibenzo(a,h)anthracene

Concen: 2.28 ng

RT: 16.39 min Scan# 2449

Delta R.T. -0.01 min

Lab File: BF096884.D

Acq: 19 Jul 2017 21:52

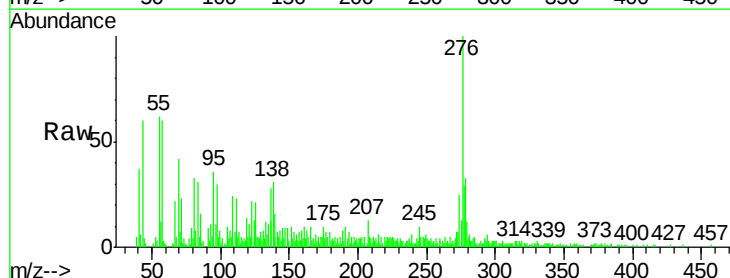
Tgt Ion:278 Resp: 15477

Ion Ratio Lower Upper

278 100

139 46.9 16.6 24.8#

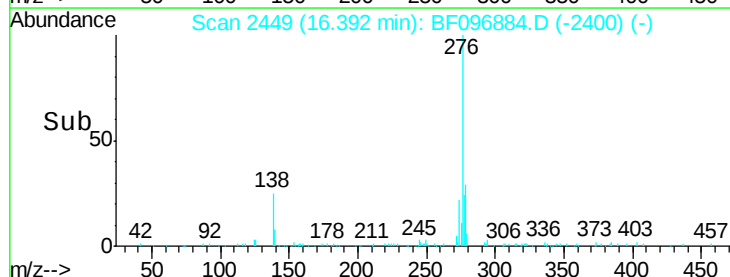
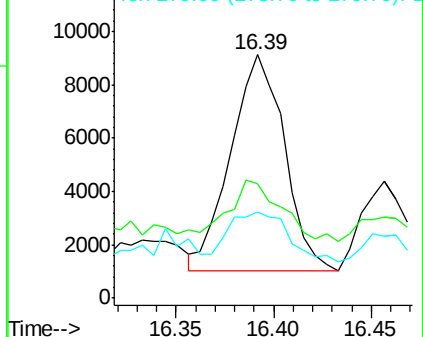
279 35.5 19.3 28.9#

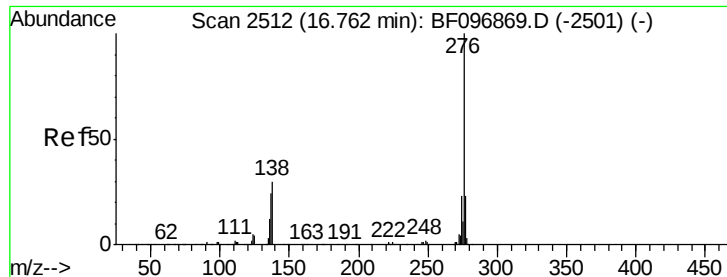


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

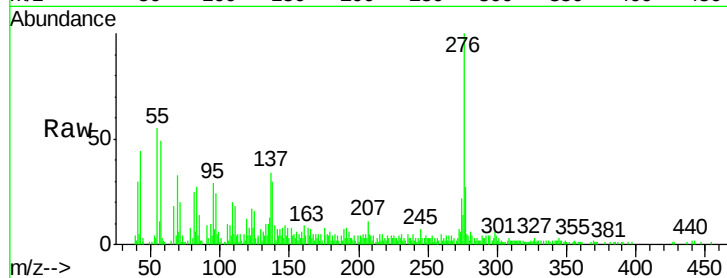




#91
 Benzo(a,h,i)perylene
 Concen: 7.66 ng
 RT: 16.77 min Scan# 2514
 Delta R.T. -0.01 min
 Lab File: BF096884.D
 Acq: 19 Jul 2017 21:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.0	18.6	28.0
138	30.4	25.4	38.0



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

