

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071217\
 Data File : BF096717.D
 Acq On : 13 Jul 2017 4:00
 Operator : SJ/JU
 Sample : I4130-18
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 13 04:26:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	125561	20.00	ng	-0.04
21) Naphthalene-d8	7.95	136	538381	20.00	ng	-0.04
38) Acenaphthene-d10	9.70	164	200701	20.00	ng	-0.04
63) Phenanthrene-d10	11.17	188	287885	20.00	ng	-0.04
75) Chrysene-d12	13.80	240	218348	20.00	ng	-0.04
86) Perylene-d12	15.20	264	191843	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	632820	74.39	ng	-0.04
7) Phenol-d6	6.31	99	772112	73.83	ng	-0.04
23) Nitrobenzene-d5	7.23	82	448021	50.01	ng	-0.04
41) 2,4,6-Tribromophenol	10.49	330	122207	77.95	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	682303	58.13	ng	-0.04
78) Terphenyl-d14	12.76	244	373188	36.52	ng	-0.04

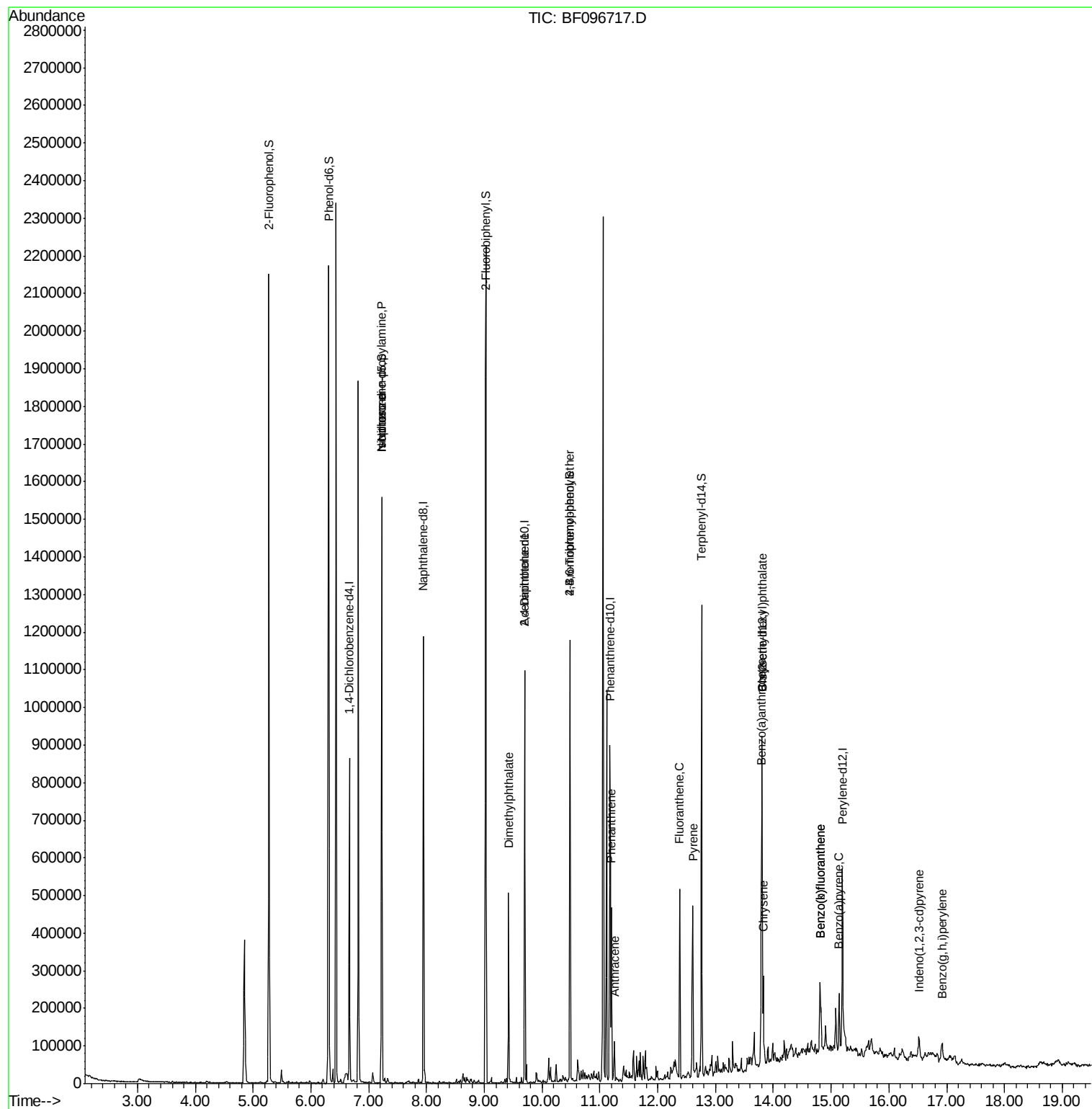
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	59966	9.62	ng	# 88
25) Isophorone	7.23	82	443213	25.51	ng	# 67
49) Dimethylphthalate	9.42	163	200588	13.39	ng	98
56) 2,4-Dinitrotoluene	9.70	165	26266	6.26	ng	# 33
66) 4-Bromophenyl-phenylether	10.48	248	8340	2.98	ng	# 1
70) Phenanthrene	11.20	178	148682	9.55	ng	99
71) Anthracene	11.25	178	35472	2.24	ng	96
74) Fluoranthene	12.38	202	197657	12.95	ng	95
77) Pyrene	12.61	202	178147	10.16	ng	98
80) Benzo(a)anthracene	13.79	228	91458	7.23	ng	99
82) Chrysene	13.83	228	80380	6.07	ng	97
83) Bis(2-ethylhexyl)phthalate	13.80	149	29723	3.00	ng	# 92
85) Indeno(1,2,3-cd)pyrene	16.52	276	36436	3.49	ng	93
87) Benzo(b)fluoranthene	14.81	252	133836	11.13	ng	96
88) Benzo(k)fluoranthene	14.81	252	133836	12.45	ng	96
89) Benzo(a)pyrene	15.14	252	69988	6.52	ng	99
91) Benzo(a,h,i)perylene	16.92	276	32619	3.73	ng	96

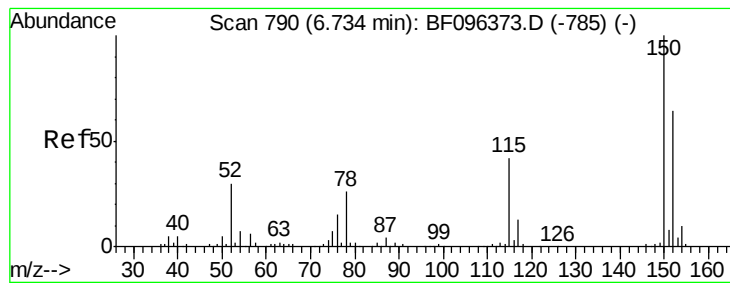
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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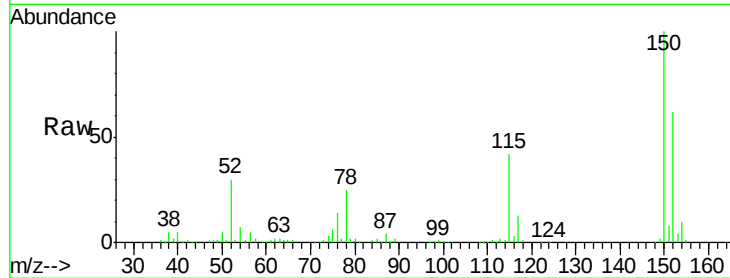


#1

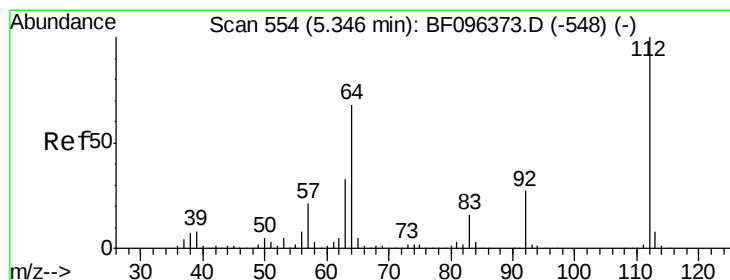
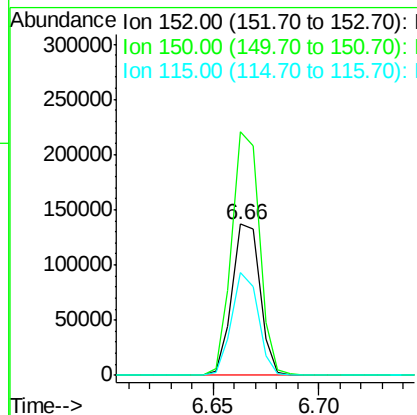
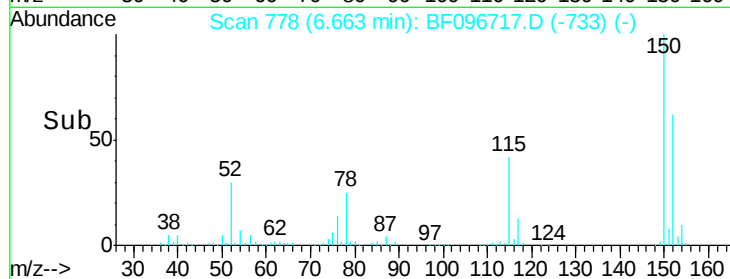
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.04 min
Lab File: BF096717.D
Acq: 13 Jul 2017 4:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 125561
Ion Ratio Lower Upper
152 100
150 161.3 126.2 189.2
115 68.5 52.2 78.2



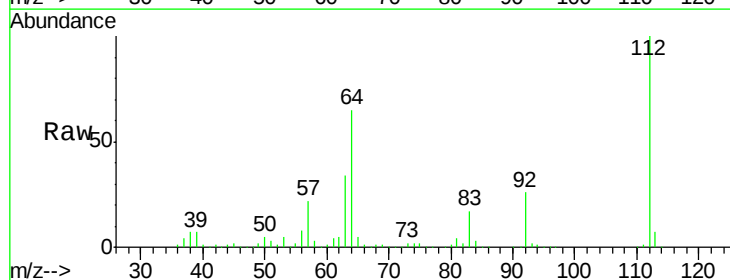
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



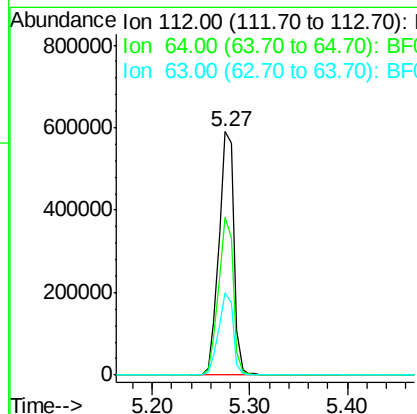
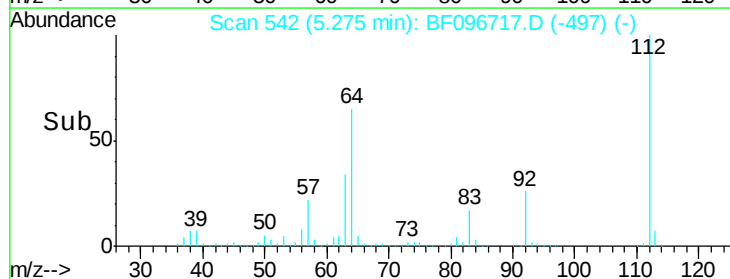
#5

2-Fluorophenol
Concen: 74.39 ng
RT: 5.27 min Scan# 542
Delta R.T. -0.04 min
Lab File: BF096717.D
Acq: 13 Jul 2017 4:00

Tgt Ion:112 Resp: 632820
Ion Ratio Lower Upper
112 100
64 65.1 46.0 69.0
63 33.7 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: 73.83 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.04 min

Lab File: BF096717.D

Acq: 13 Jul 2017 4:00

Instrument :

BNA_F

ClientSampleId :

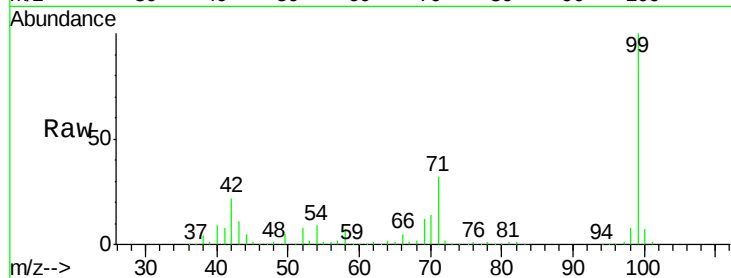
Tot Ion: 99 Resp: 772112

Ion Ratio Lower Upper

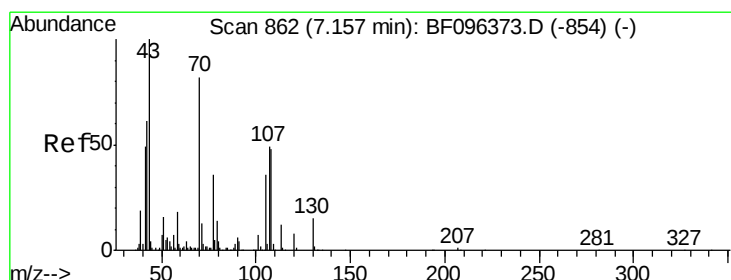
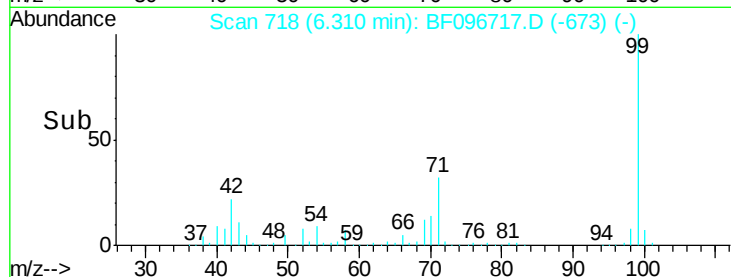
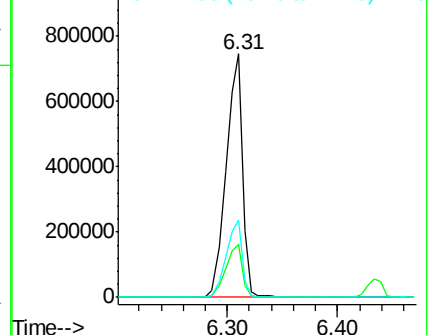
99 100

42 21.9 13.5 20.3#

71 31.9 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



#19

n-Nitroso-di-n-propylamine

Concen: 9.62 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.10 min

Lab File: BF096717.D

Acq: 13 Jul 2017 4:00

Tgt Ion: 70 Resp: 59966

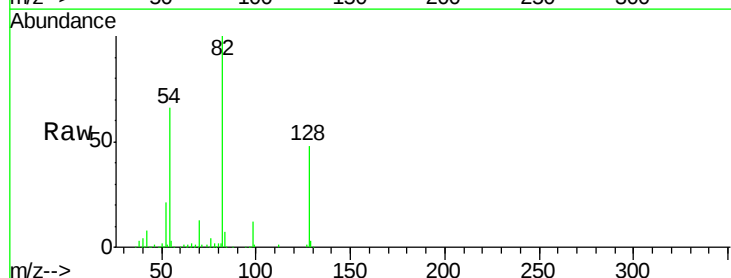
Ion Ratio Lower Upper

70 100

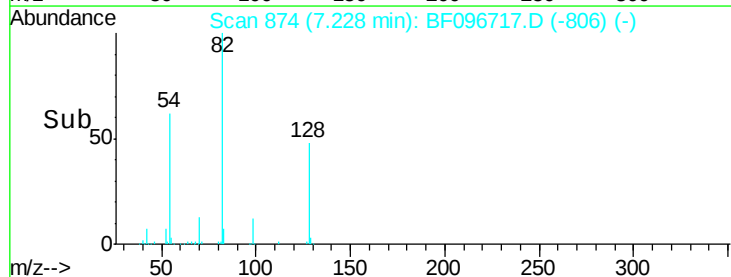
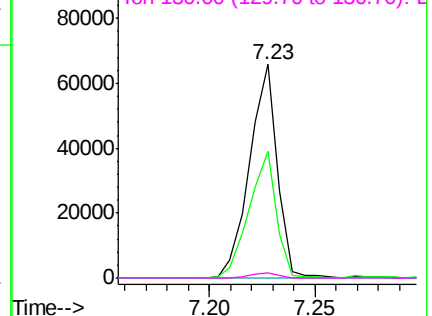
42 59.5 47.2 70.8

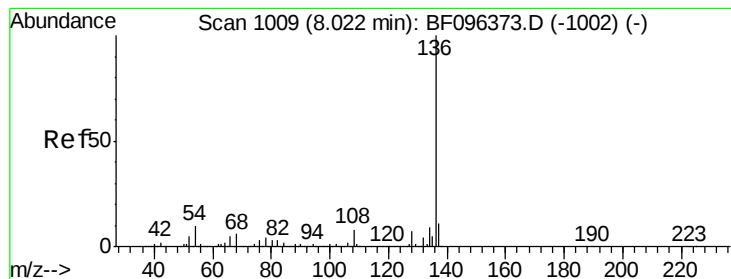
101 0.0 7.2 10.8#

130 2.4 15.9 23.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.04 min

Lab File: BF096717.D

Acq: 13 Jul 2017 4:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 538381

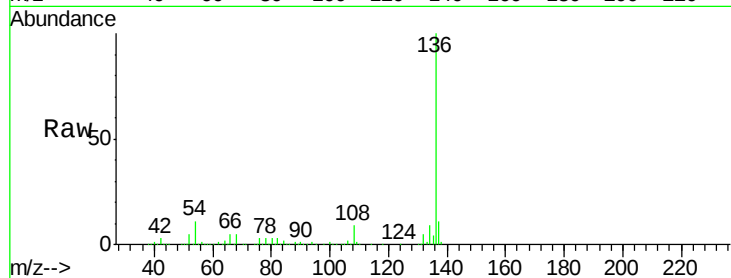
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 11.2 4.9 7.3#

68 5.3 4.1 6.1

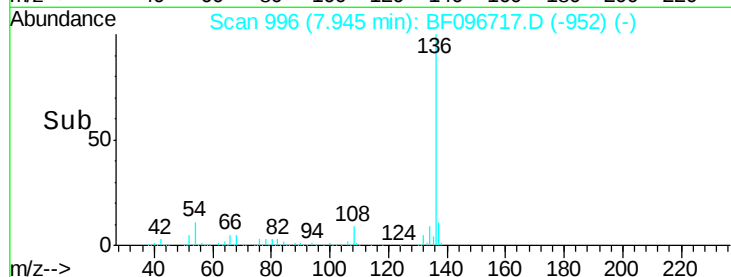


Abundance Ion 136.00 (135.70 to 136.70): E

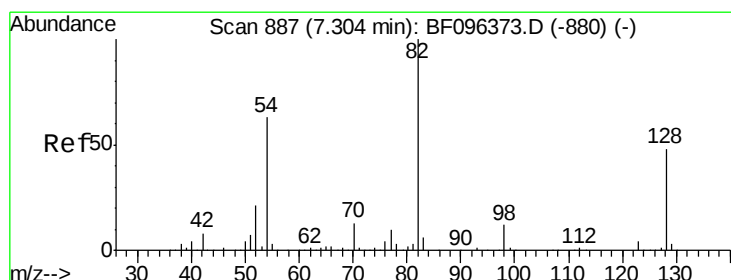
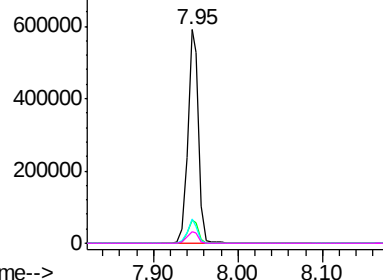
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 50.01 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.04 min

Lab File: BF096717.D

Acq: 13 Jul 2017 4:00

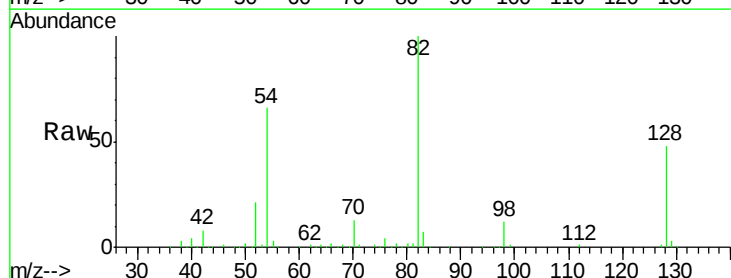
Tgt Ion: 82 Resp: 448021

Ion Ratio Lower Upper

82 100

128 48.0 34.0 51.0

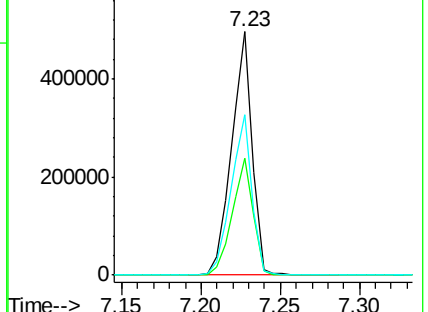
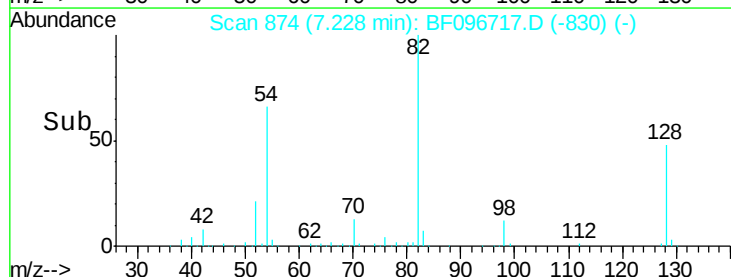
54 65.7 42.2 63.2#

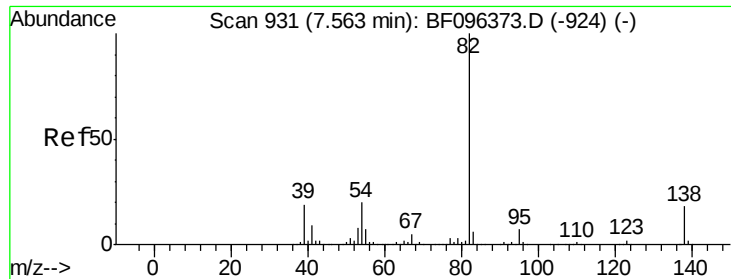


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 25.51 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.30 min

Lab File: BF096717.D

Acq: 13 Jul 2017 4:00

Instrument :

BNA_F

ClientSampleId :

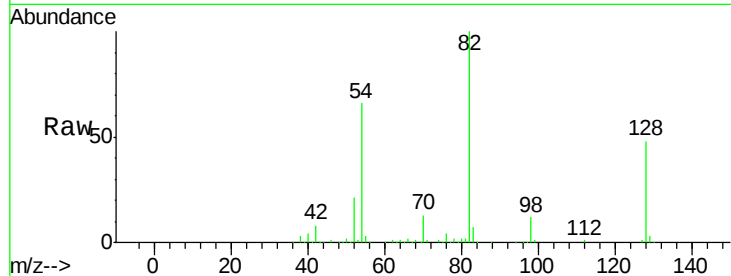
Tot Ion: 82 Resp: 443213

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

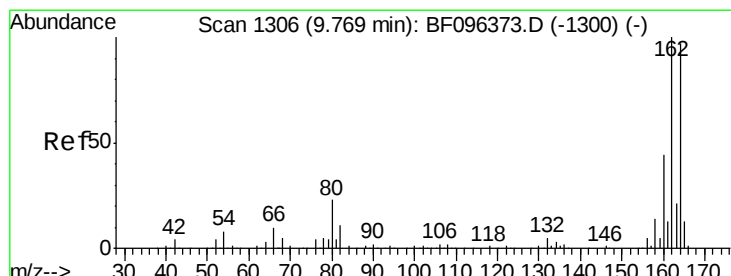
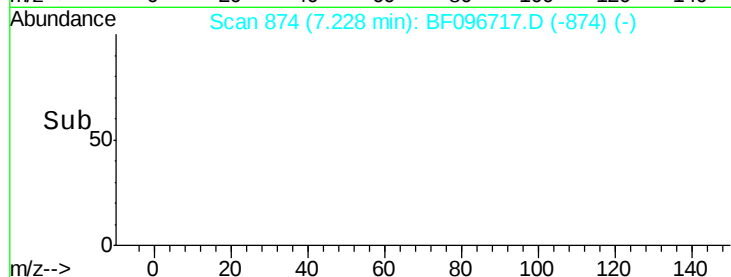
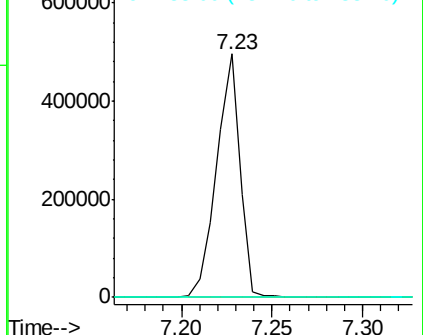
138 0.0 13.1 19.7#



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: 9.70 min Scan# 1294

Delta R.T. -0.04 min

Lab File: BF096717.D

Acq: 13 Jul 2017 4:00

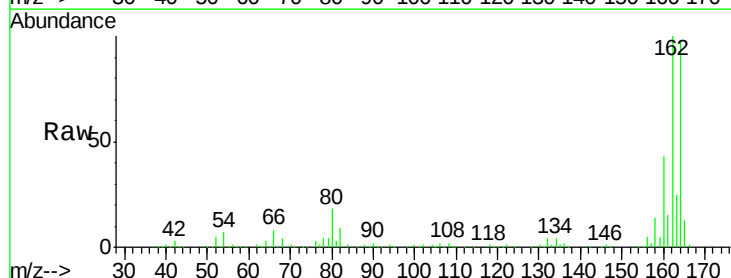
Tgt Ion: 164 Resp: 200701

Ion Ratio Lower Upper

164 100

162 102.0 82.6 123.8

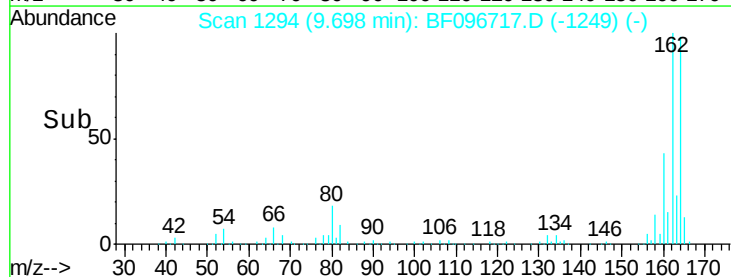
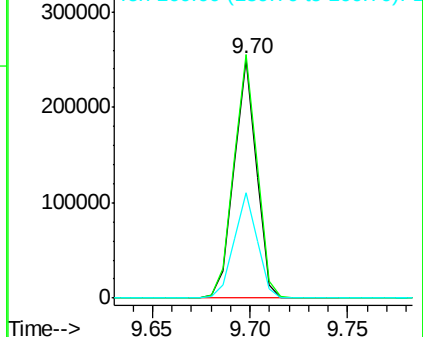
160 43.9 36.2 54.2

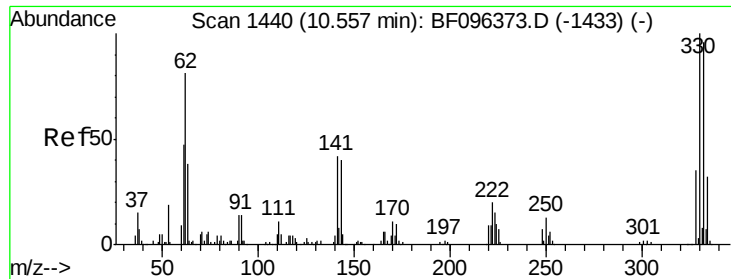


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

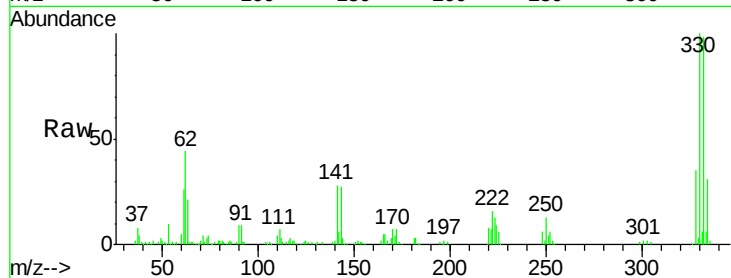




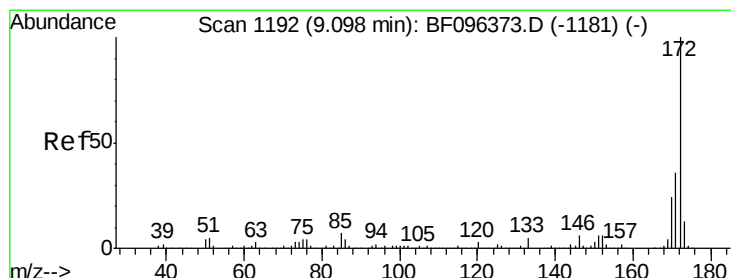
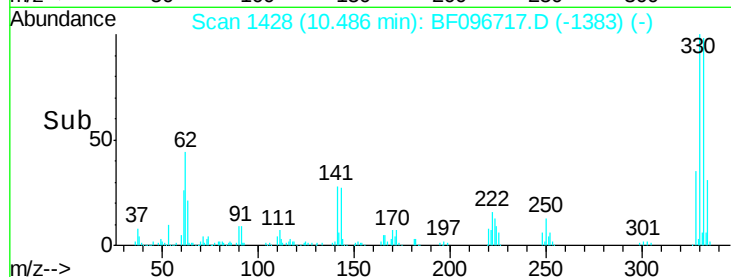
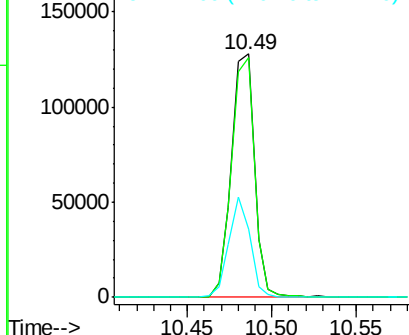
#41
 2,4,6-Tribromophenol
 Concen: 77.95 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.04 min
 Lab File: BF096717.D
 Acq: 13 Jul 2017 4:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.6	115.0
141	37.8	31.4	47.2

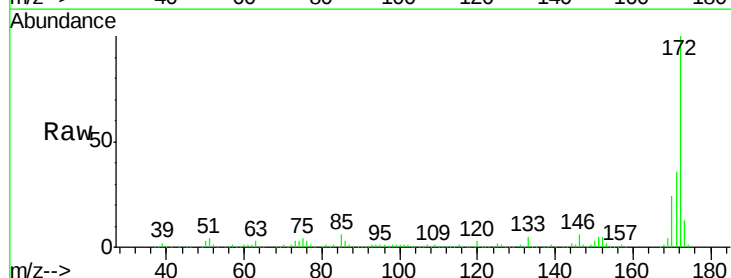


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

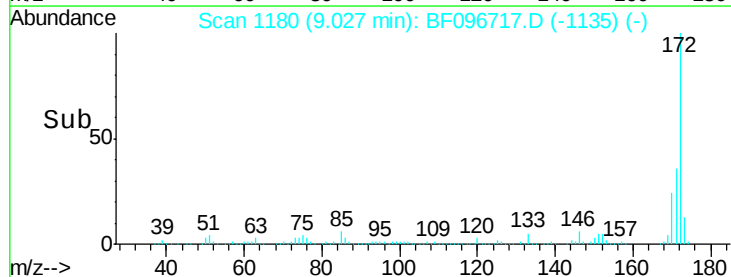
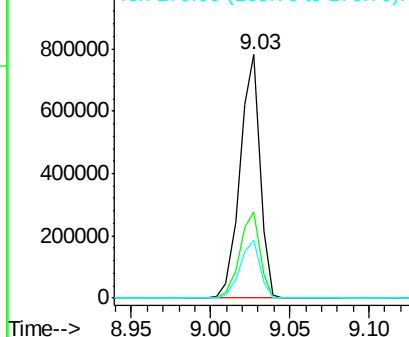


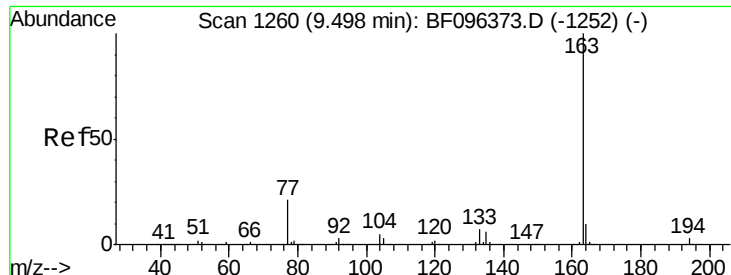
#44
 2-Fluorobiphenyl
 Concen: 58.13 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.04 min
 Lab File: BF096717.D
 Acq: 13 Jul 2017 4:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	24.0	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

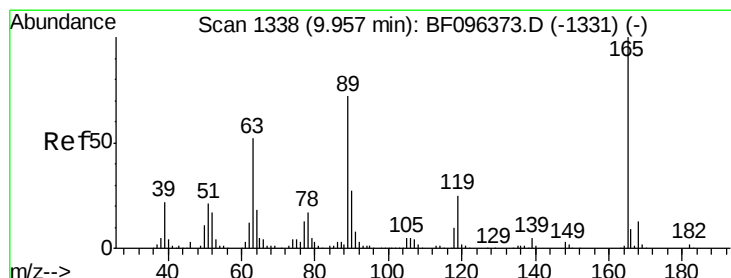
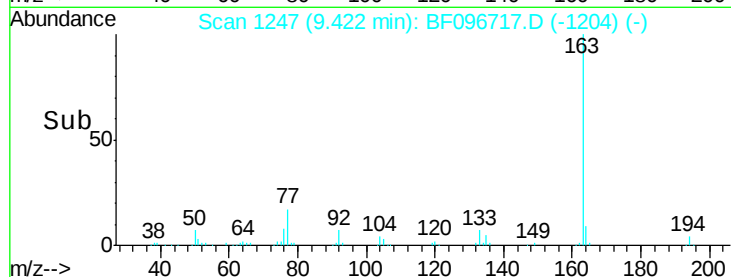
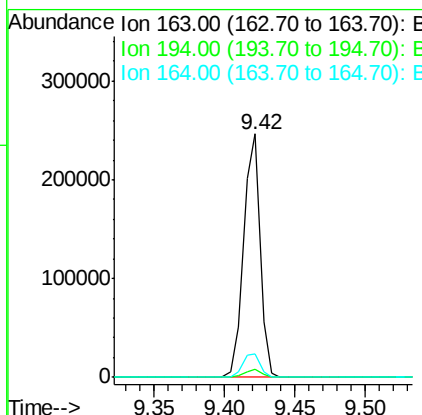
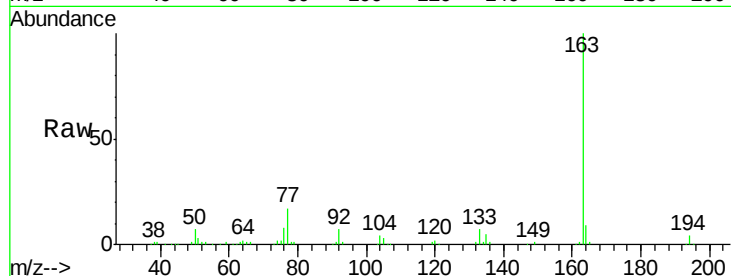




#49
Dimethylphthalate
Concen: 13.39 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.05 min
Lab File: BF096717.D
Acq: 13 Jul 2017 4:00

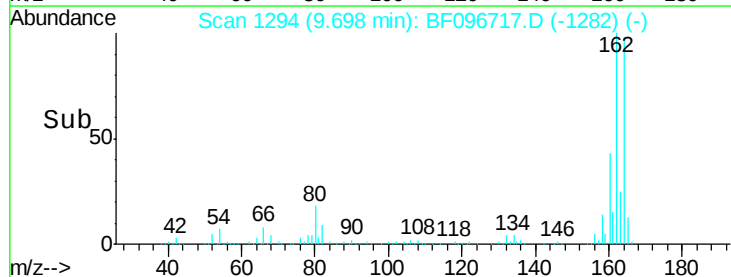
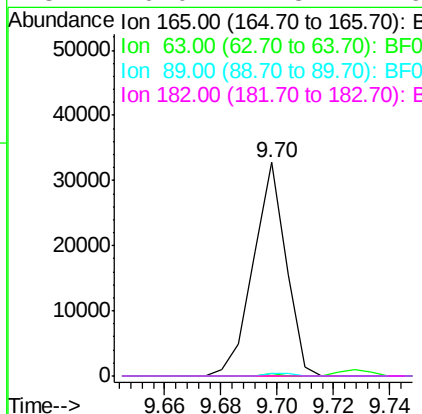
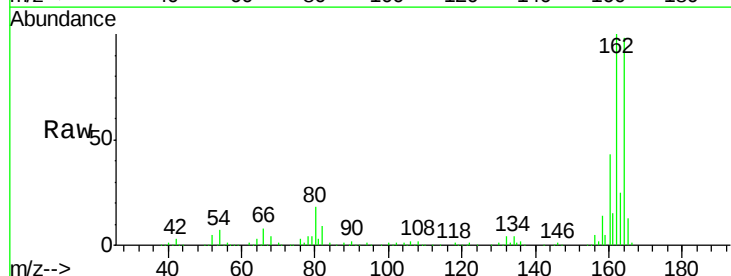
Instrument :
BNA_F
ClientSampleId :

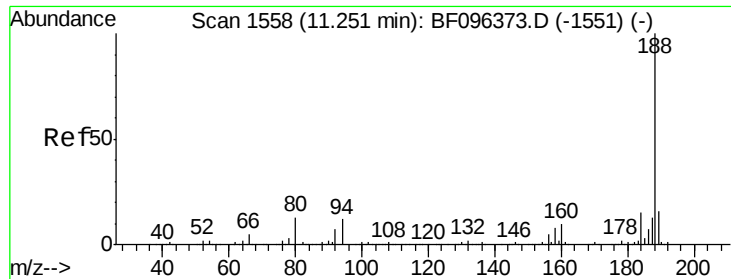
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.4	8.4	12.6



#56
2,4-Dinitrotoluene
Concen: 6.26 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.23 min
Lab File: BF096717.D
Acq: 13 Jul 2017 4:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	25.4	38.0#
89	1.3	46.4	69.6#
182	0.0	1.8	2.6#

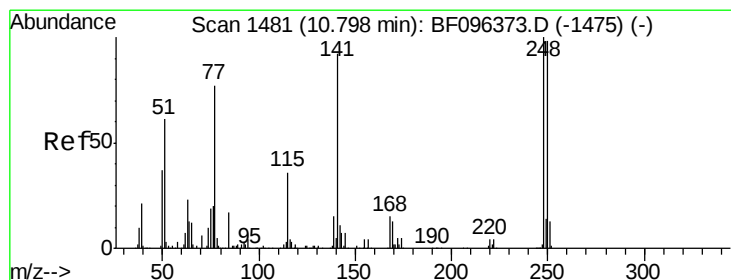
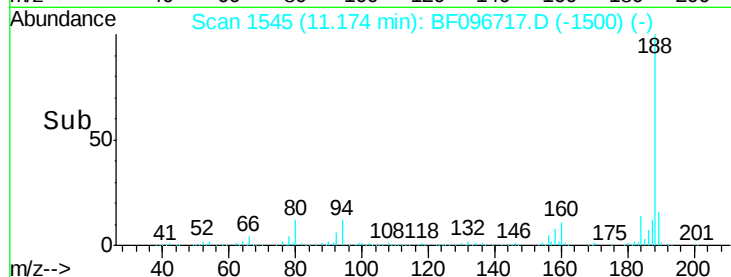
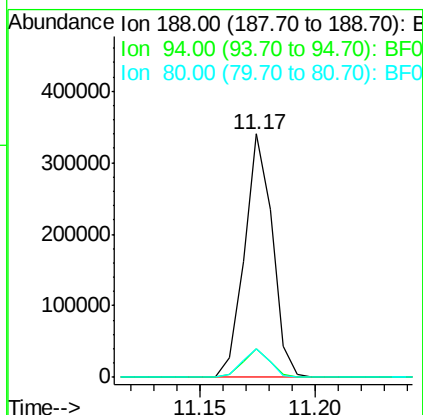
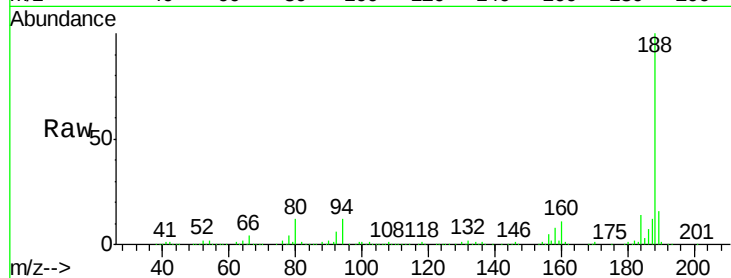




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.04 min
 Lab File: BF096717.D
 Acq: 13 Jul 2017 4:00

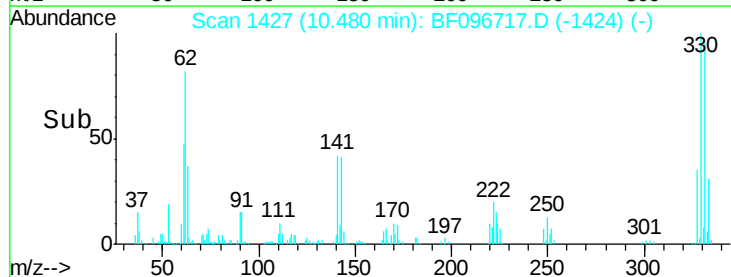
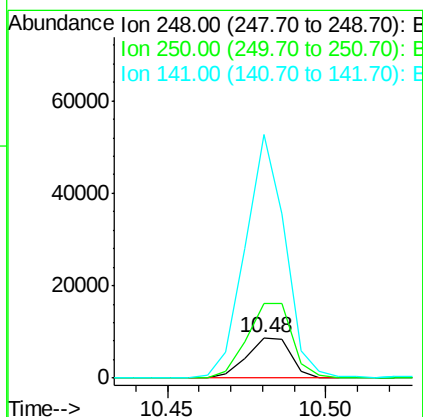
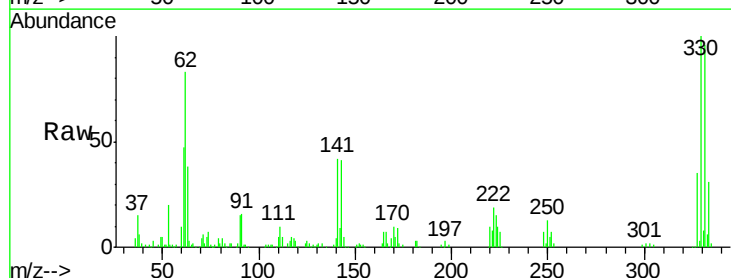
Instrument :
 BNA_F
 ClientSampled :

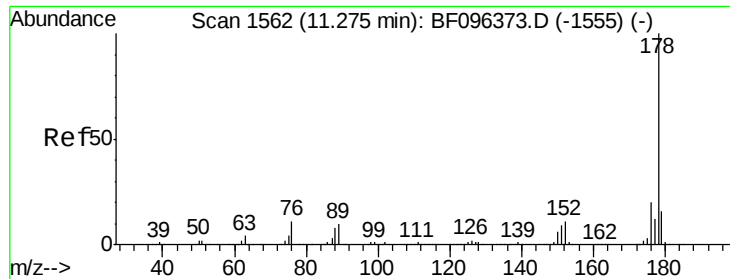
Tot Ion:188 Resp: 287885
 Ion Ratio Lower Upper
 188 100
 94 12.0 9.4 14.2
 80 11.8 10.2 15.2



#66
 4-Bromophenyl-phenylether
 Concen: 2.98 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.28 min
 Lab File: BF096717.D
 Acq: 13 Jul 2017 4:00

Tgt Ion:248 Resp: 8340
 Ion Ratio Lower Upper
 248 100
 250 182.7 76.8 115.2#
 141 598.4 68.6 103.0#

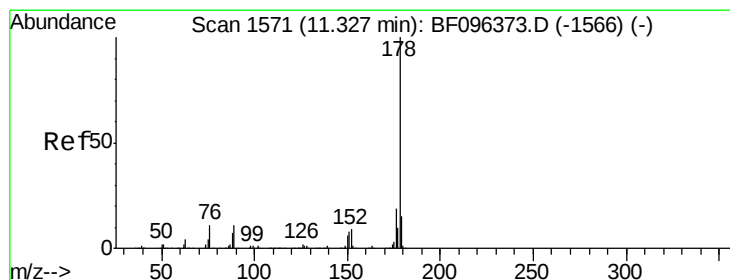
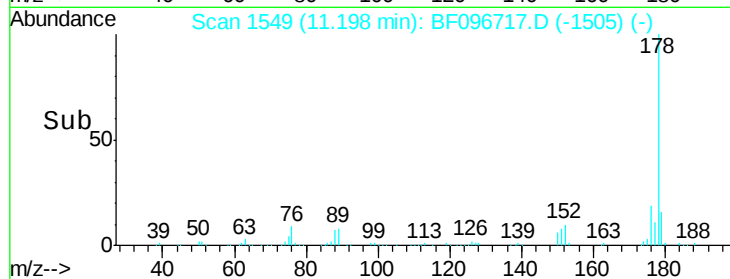
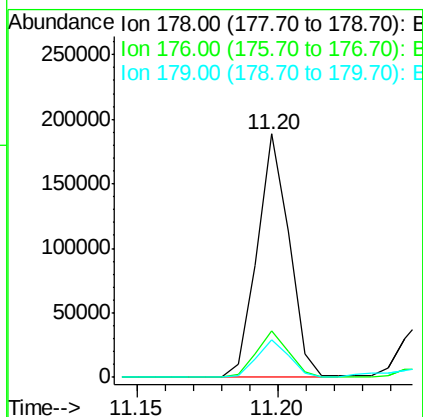
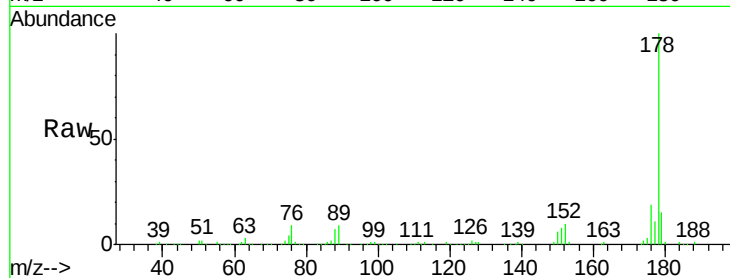




#70
Phenanthrene
Concen: 9.55 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.04 min
Lab File: BF096717.D
Acq: 13 Jul 2017 4:00

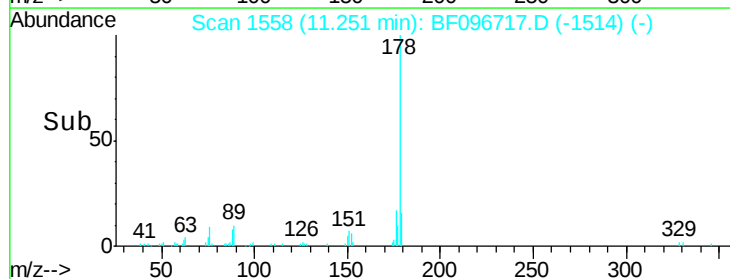
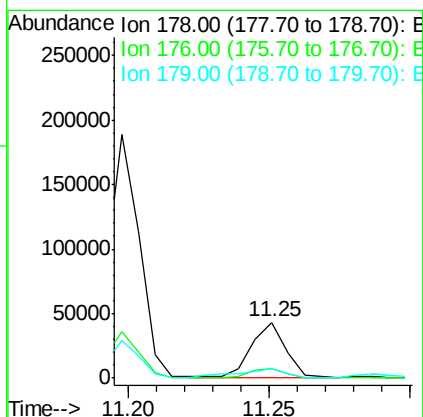
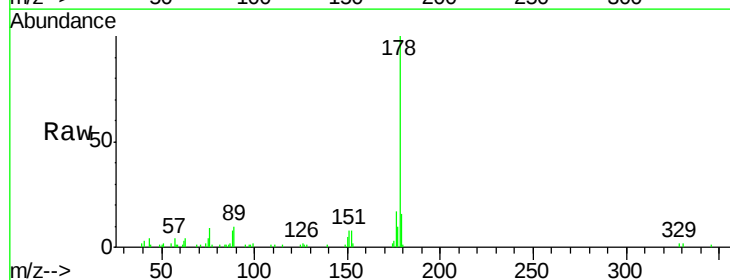
Instrument :
BNA_F
ClientSampled :

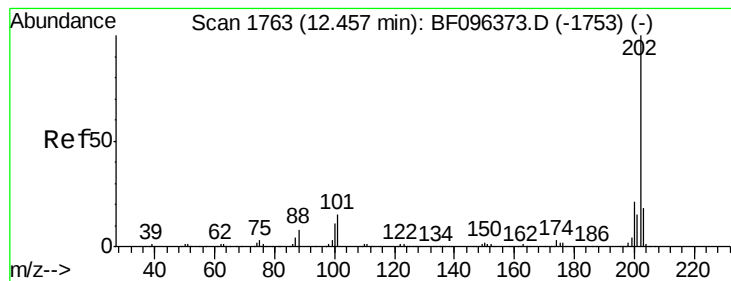
Tot Ion:178 Resp: 148682
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 15.5 12.6 19.0



#71
Anthracene
Concen: 2.24 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.04 min
Lab File: BF096717.D
Acq: 13 Jul 2017 4:00

Tgt Ion:178 Resp: 35472
Ion Ratio Lower Upper
178 100
176 16.6 15.8 23.8
179 16.0 12.7 19.1





#74

Fluoranthene

Concen: 12.95 ng

RT: 12.38 min Scan# 1750

Delta R.T. -0.04 min

Lab File: BF096717.D

Acq: 13 Jul 2017 4:00

Instrument :

BNA_F

ClientSampled :

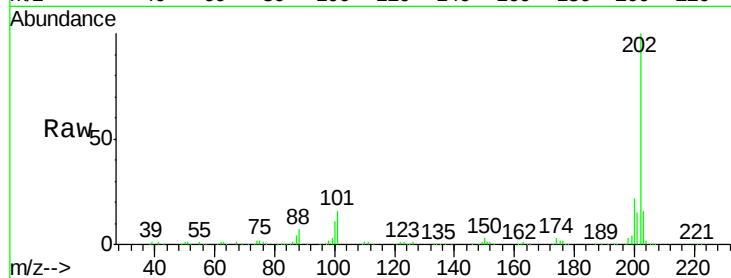
Tot Ion:202 Resp: 197657

Ion Ratio Lower Upper

202 100

101 15.8 0.0 33.2

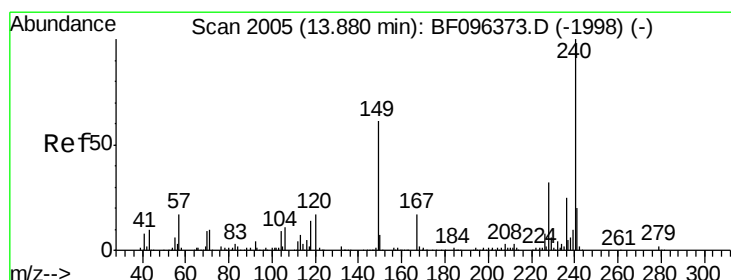
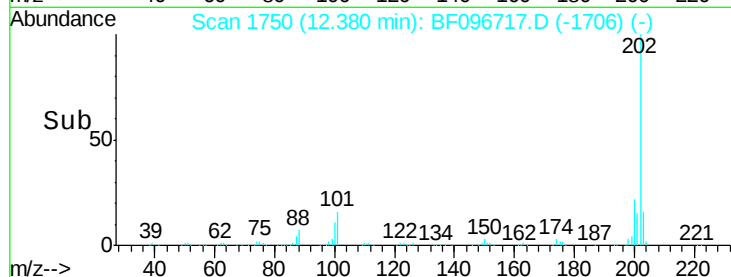
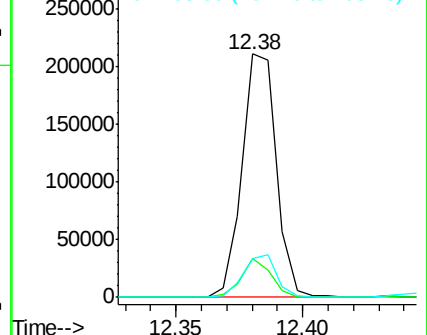
203 16.1 0.0 38.1



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: 13.80 min Scan# 1992

Delta R.T. -0.04 min

Lab File: BF096717.D

Acq: 13 Jul 2017 4:00

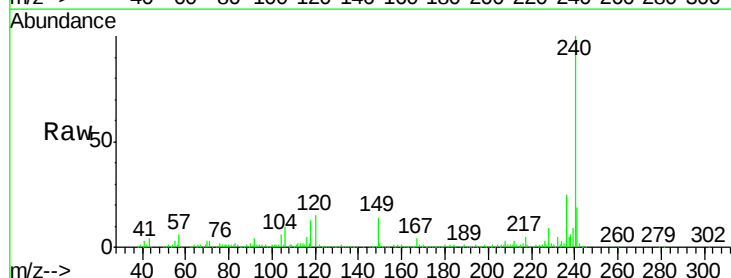
Tgt Ion:240 Resp: 218348

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

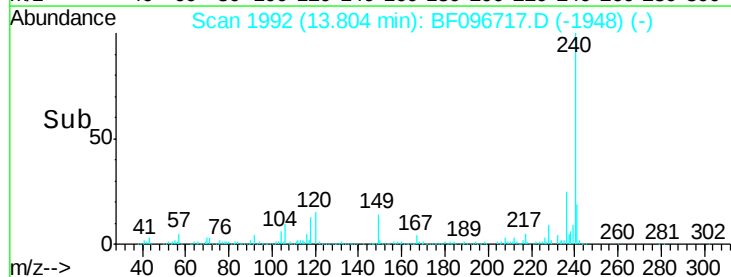
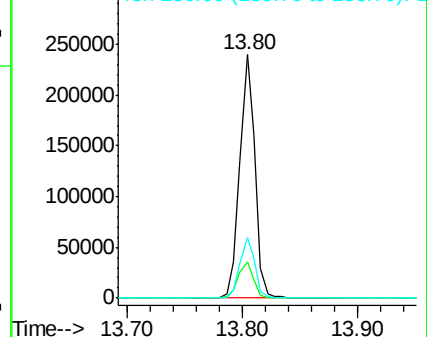
236 24.8 20.5 30.7

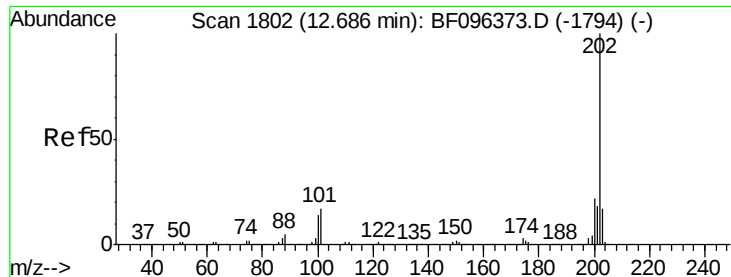


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

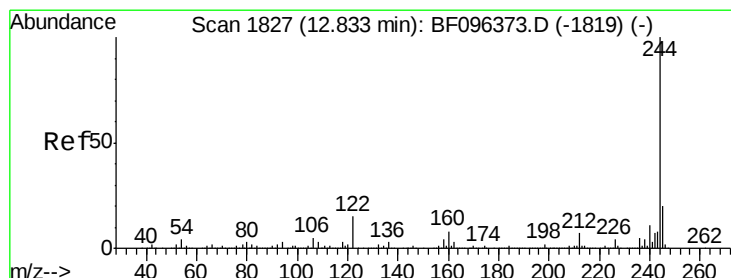
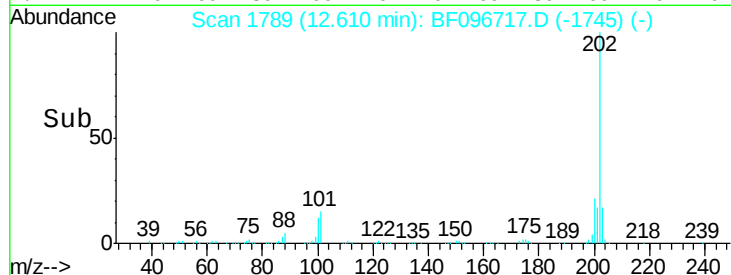
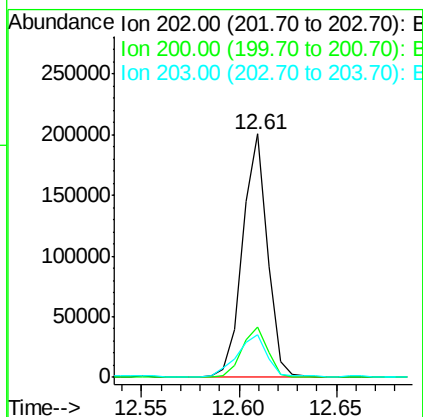
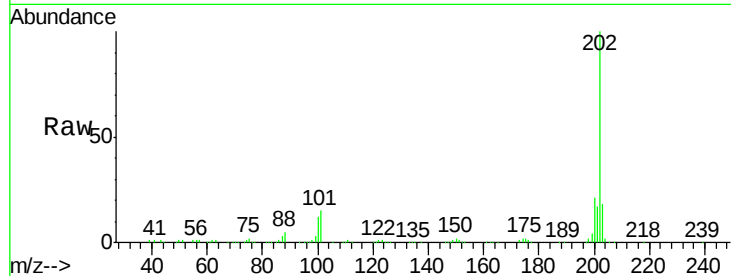




#77
Pvrene
Concen: 10.16 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.04 min
Lab File: BF096717.D
Acq: 13 Jul 2017 4:00

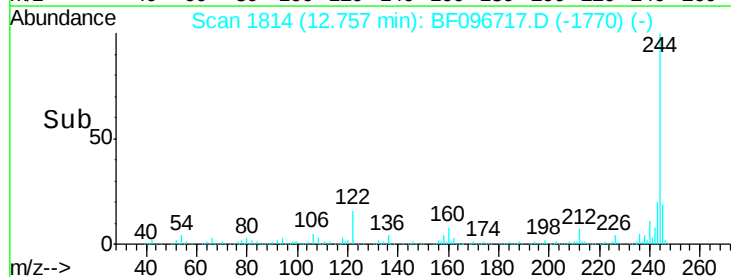
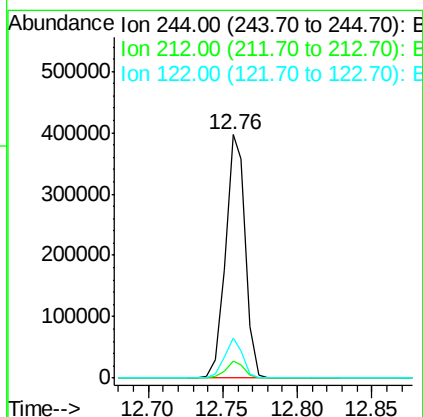
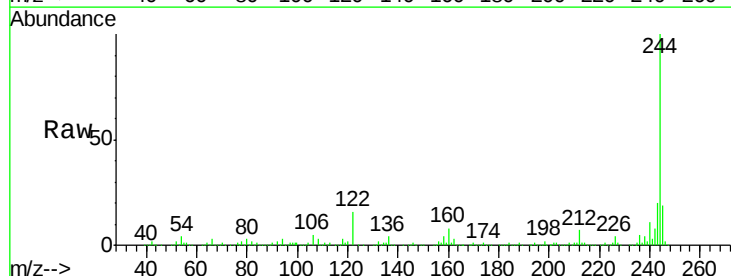
Instrument :
BNA_F
ClientSampled :

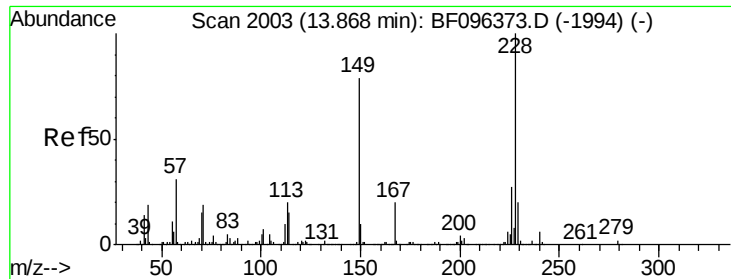
Tot Ion:202 Resp: 178147
Ion Ratio Lower Upper
202 100
200 20.9 17.6 26.4
203 17.6 14.4 21.6



#78
Terphenyl-d14
Concen: 36.52 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.04 min
Lab File: BF096717.D
Acq: 13 Jul 2017 4:00

Tgt Ion:244 Resp: 373188
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 16.3 10.3 15.5#

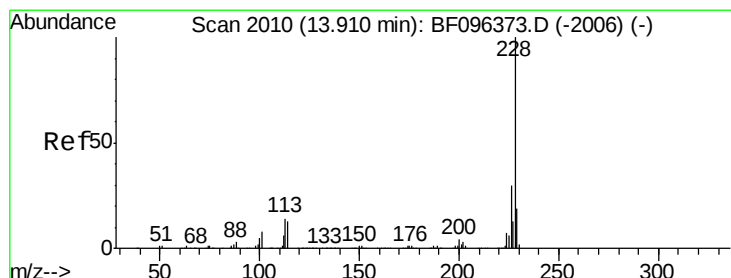
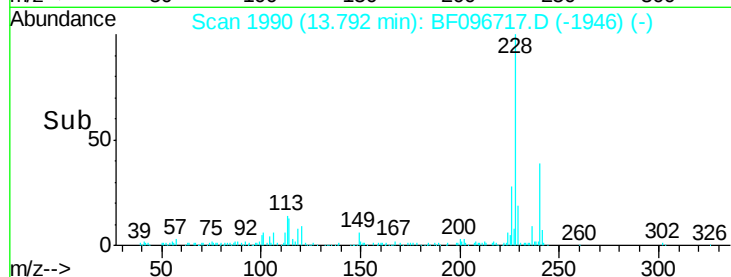
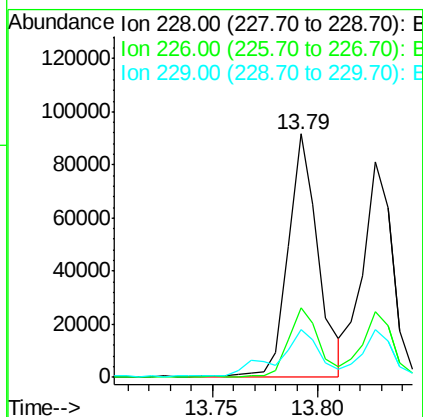
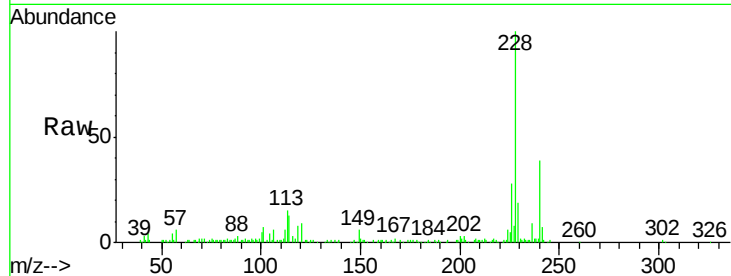




#80
Benzo(a)anthracene
Concen: 7.23 ng
RT: 13.79 min Scan# 1990
Delta R.T. -0.04 min
Lab File: BF096717.D
Acq: 13 Jul 2017 4:00

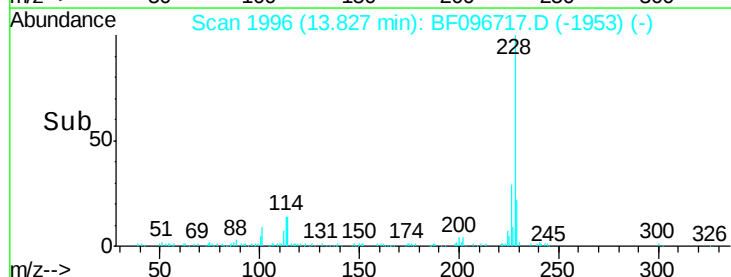
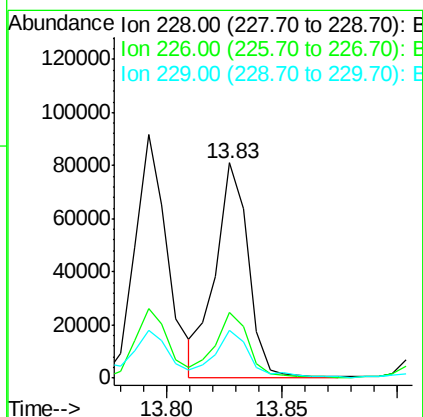
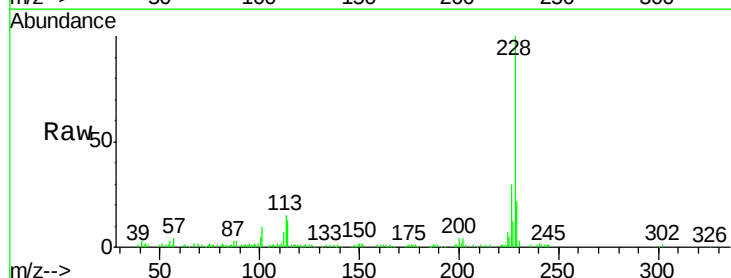
Instrument :
BNA_F
ClientSampleId :

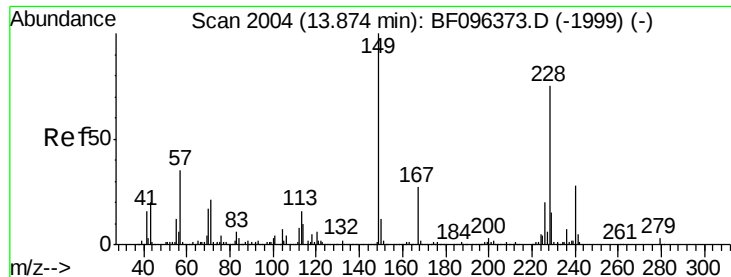
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	19.4	16.3	24.5



#82
Chrysene
Concen: 6.07 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.05 min
Lab File: BF096717.D
Acq: 13 Jul 2017 4:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	22.3	15.8	23.6

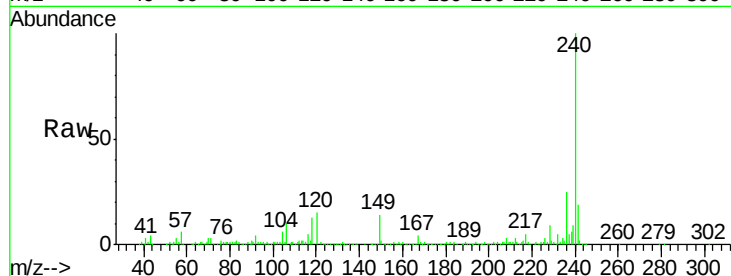




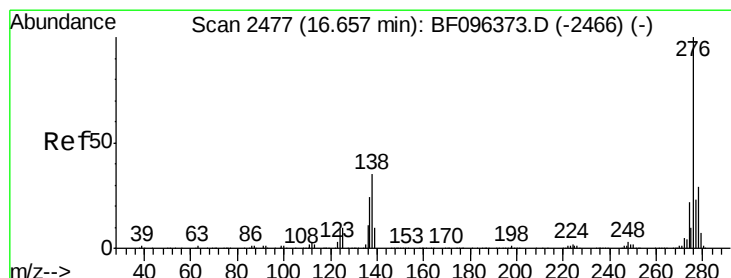
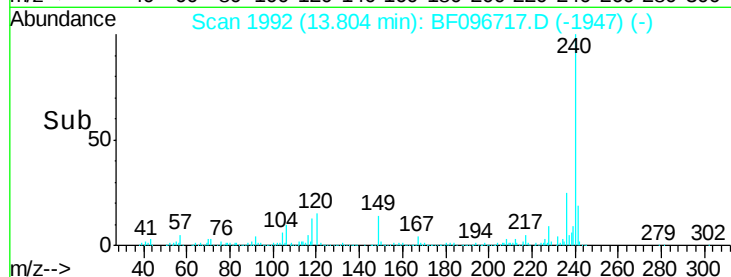
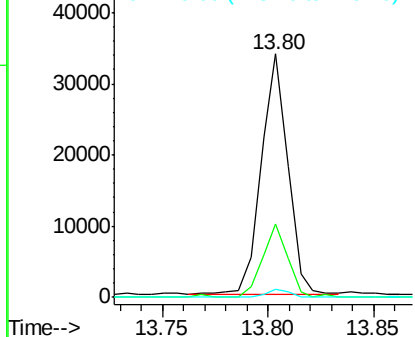
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.00 ng
 RT: 13.80 min Scan# 1992
 Delta R.T. -0.04 min
 Lab File: BF096717.D
 Acq: 13 Jul 2017 4:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 29723
 Ion Ratio Lower Upper
 149 100
 167 30.3 21.0 31.4
 279 3.4 1.9 2.9#

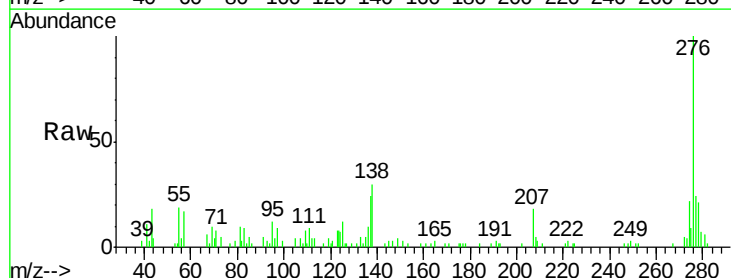


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

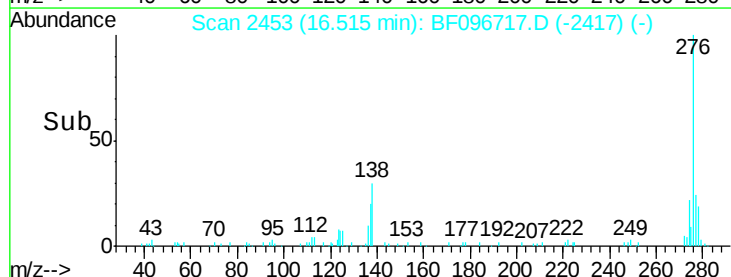
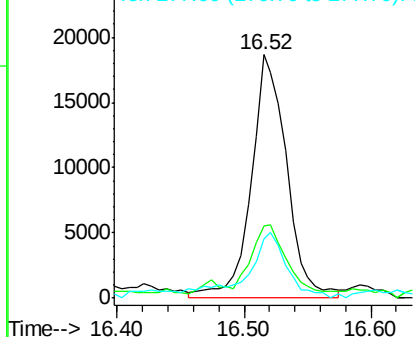


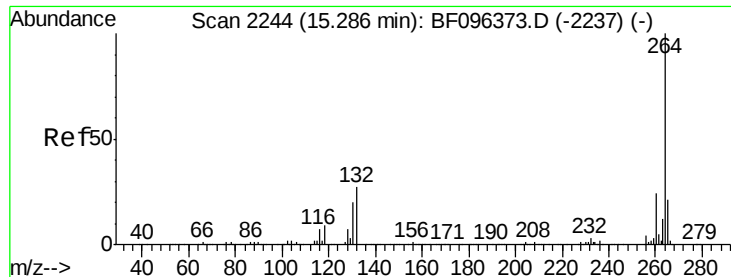
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.49 ng
 RT: 16.52 min Scan# 2453
 Delta R.T. -0.09 min
 Lab File: BF096717.D
 Acq: 13 Jul 2017 4:00

Tgt Ion:276 Resp: 36436
 Ion Ratio Lower Upper
 276 100
 138 28.0 27.8 41.6
 277 25.9 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

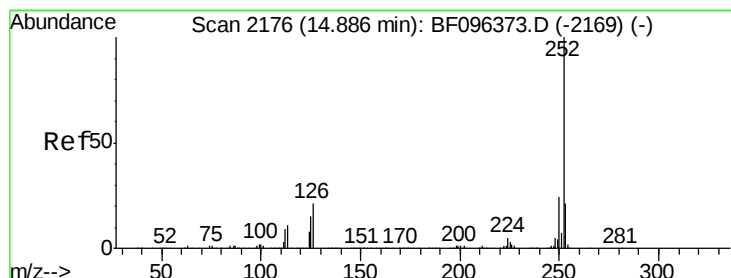
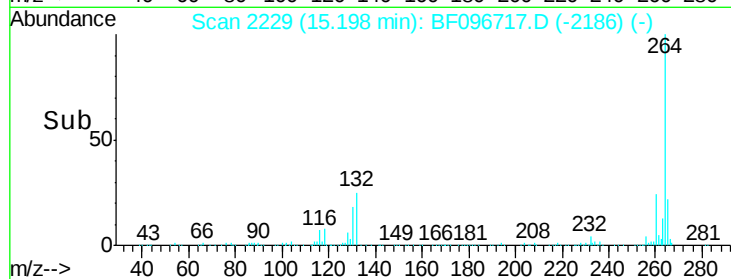
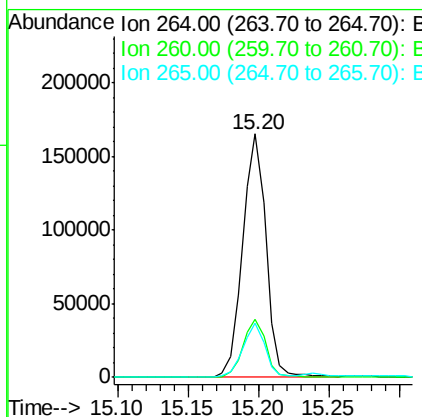
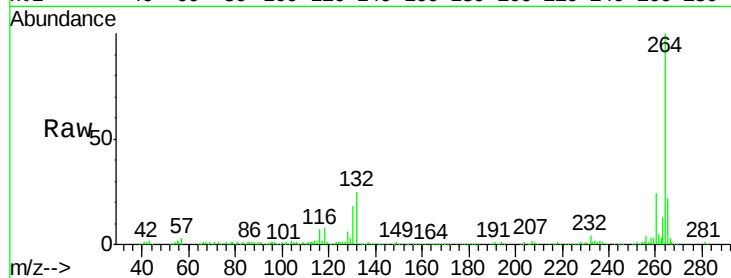




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.05 min
Lab File: BF096717.D
Acq: 13 Jul 2017 4:00

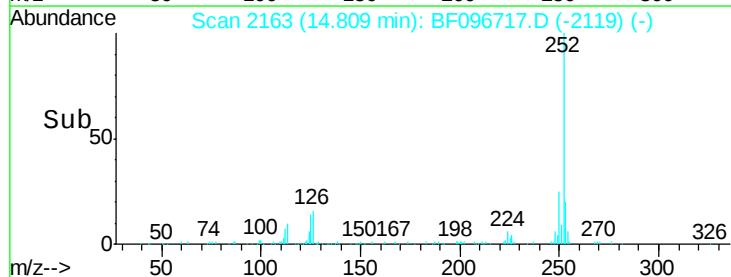
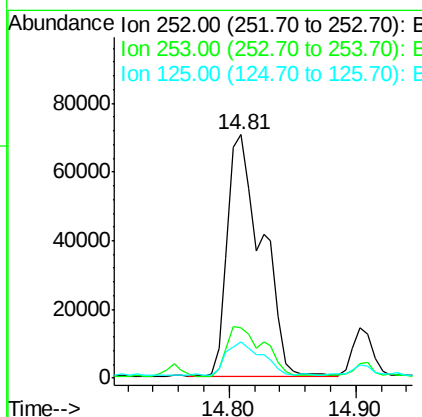
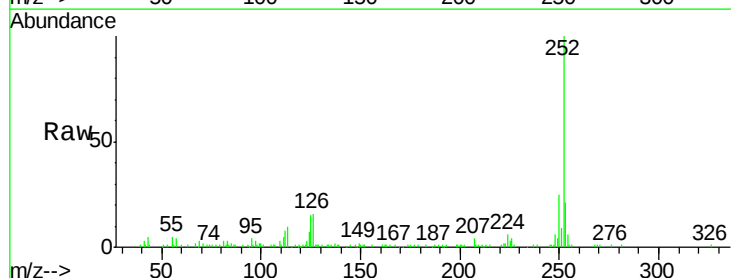
Instrument :
BNA_F
ClientSampleId :

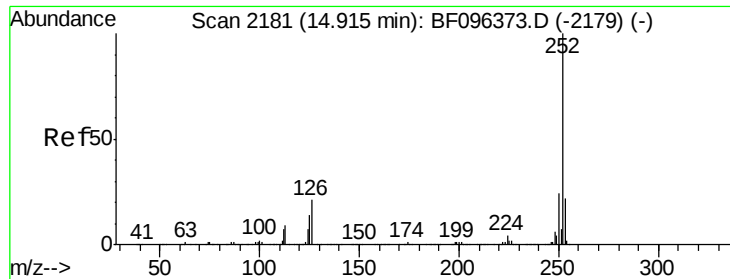
Tot Ion:264 Resp: 191843
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 22.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 11.13 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.04 min
Lab File: BF096717.D
Acq: 13 Jul 2017 4:00

Tgt Ion:252 Resp: 133836
Ion Ratio Lower Upper
252 100
253 20.9 18.1 27.1
125 14.7 9.8 14.8

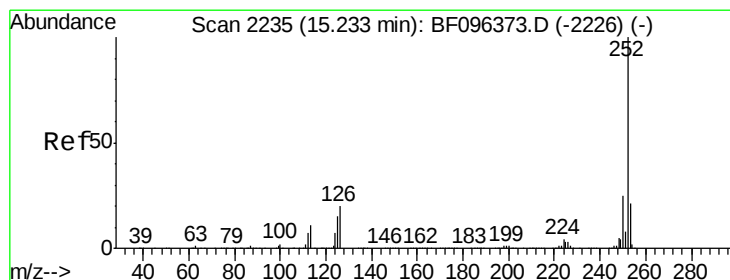
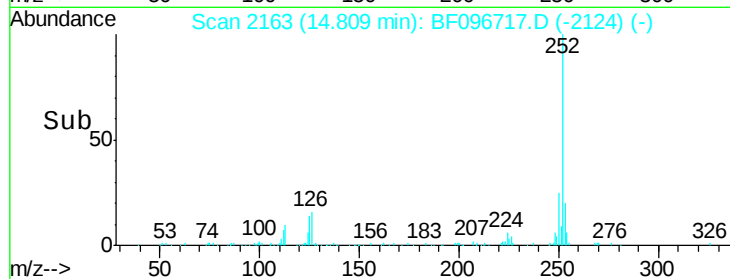
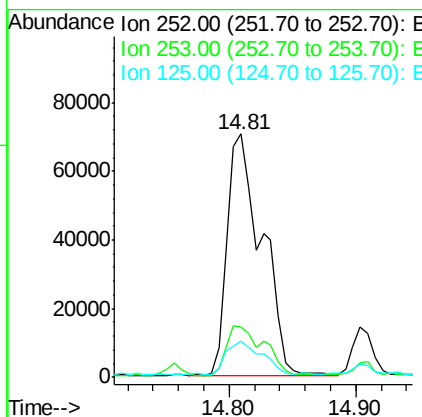
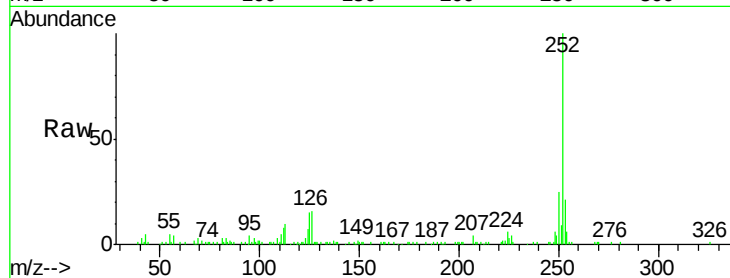




#88
Benzo(k)fluoranthene
Concen: 12.45 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.07 min
Lab File: BF096717.D
Acq: 13 Jul 2017 4:00

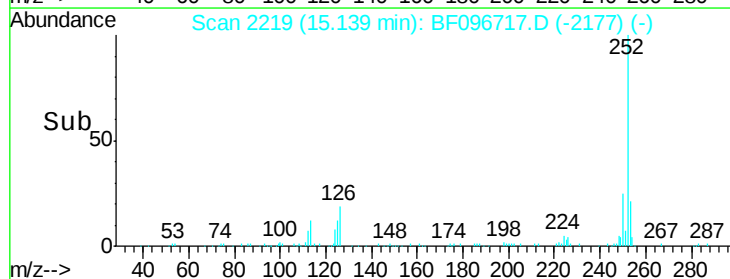
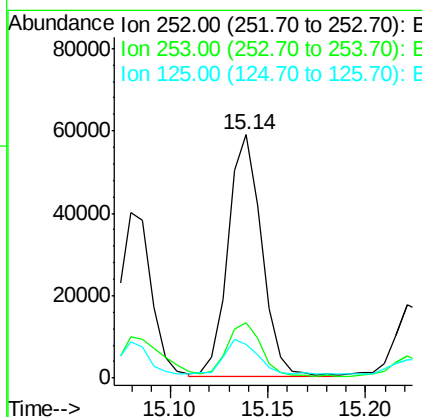
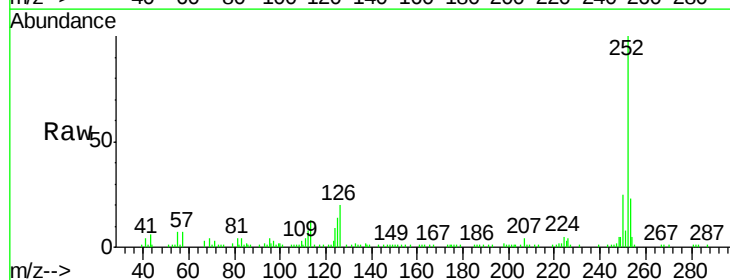
Instrument :
BNA_F
ClientSampled :

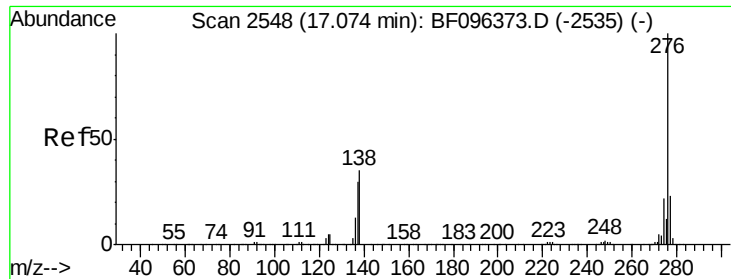
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.4	27.6
125	14.7	13.1	19.7



#89
Benzo(a)pyrene
Concen: 6.52 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.05 min
Lab File: BF096717.D
Acq: 13 Jul 2017 4:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	13.9	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 3.73 ng

RT: 16.92 min Scan# 2521

Delta R.T. -0.09 min

Lab File: BF096717.D

Acq: 13 Jul 2017 4:00

Instrument :

BNA_F

ClientSampleId :

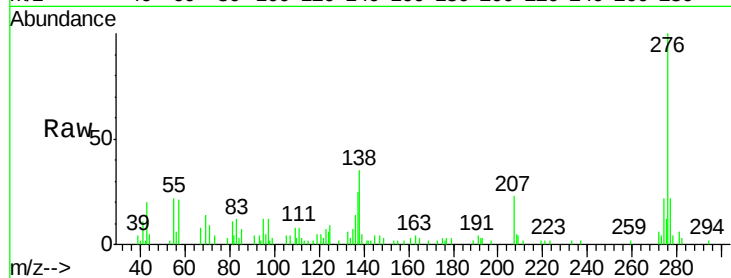
Tot Ion: 276 Resp: 32619

Ion Ratio Lower Upper

276 100

277 21.8 18.6 28.0

138 34.6 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

