

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096500.D
 Acq On : 5 Jul 2017 23:40
 Operator : SJ/MA
 Sample : I4029-05 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 06 01:44:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 05 13:27:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	96833	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	382095	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	144578	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	197421	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	183716	20.00	ng	-0.01
86) Perylene-d12	15.26	264	157669	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	199010	30.33	ng	0.00
7) Phenol-d6	6.34	99	207254	25.70	ng	-0.02
23) Nitrobenzene-d5	7.26	82	110847	17.43	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	27808	24.62	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	199358	23.58	ng	-0.01
78) Terphenyl-d14	12.81	244	106195	12.35	ng	0.00

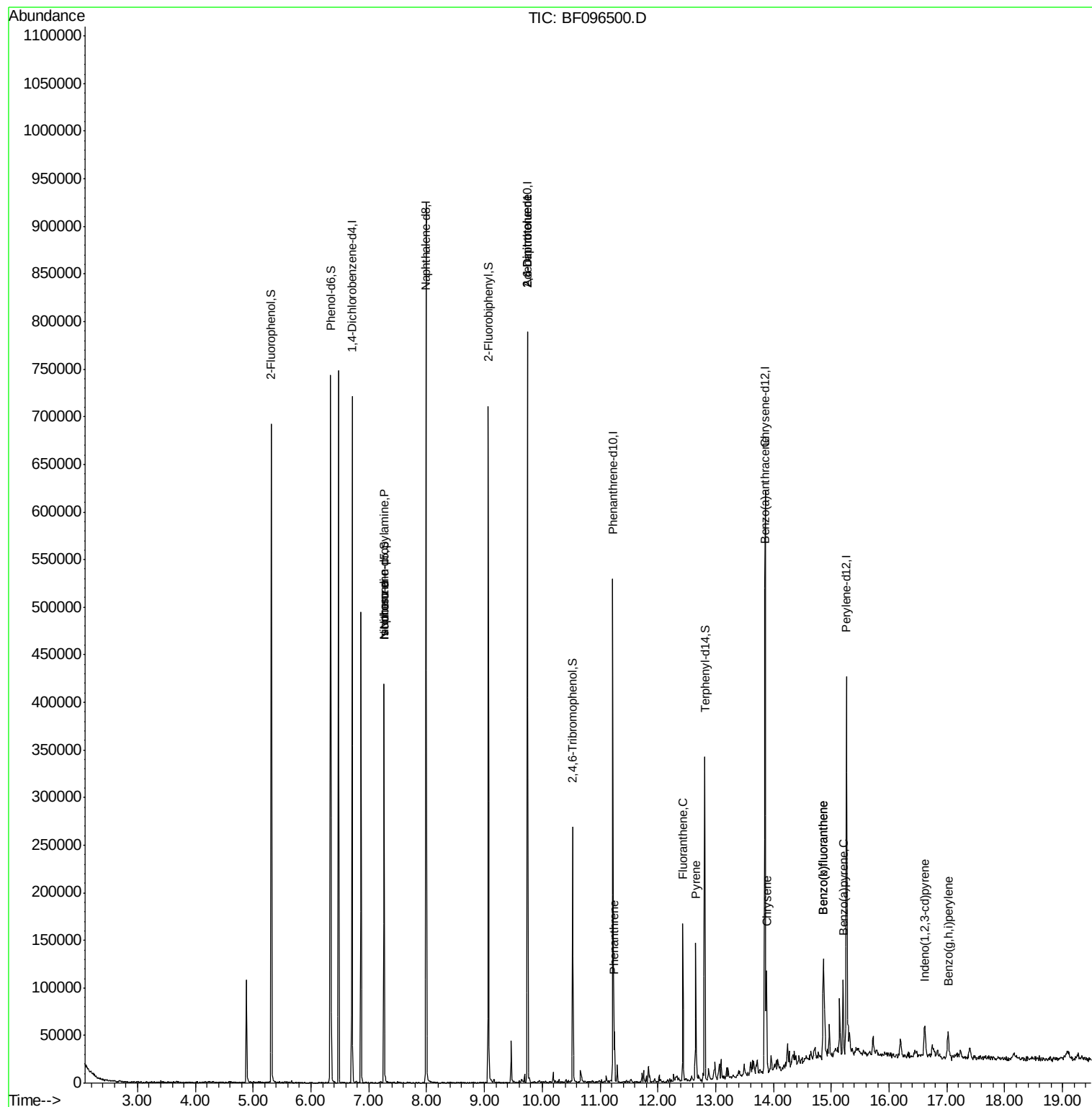
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	13264	2.76	ng	# 86
25) Isophorone	7.26	82	110677	8.98	ng	# 67
50) 2,6-Dinitrotoluene	9.75	165	18126	7.59	ng	# 33
56) 2,4-Dinitrotoluene	9.75	165	18126	6.00	ng	# 32
70) Phenanthrene	11.25	178	23683	2.22	ng	99
74) Fluoranthene	12.43	202	62493	5.97	ng	97
77) Pyrene	12.66	202	58375	3.96	ng	97
80) Benzo(a)anthracene	13.85	228	41801	3.93	ng	96
82) Chrysene	13.88	228	35013	3.14	ng	98
85) Indeno(1,2,3-cd)pyrene	16.62	276	21620	2.46	ng	# 95
87) Benzo(b)fluoranthene	14.86	252	67385	6.82	ng	# 95
88) Benzo(k)fluoranthene	14.86	252	67385	7.63	ng	100
89) Benzo(a)pyrene	15.20	252	38096	4.32	ng	99
91) Benzo(a,h,i)perylene	17.02	276	18958	2.64	ng	93

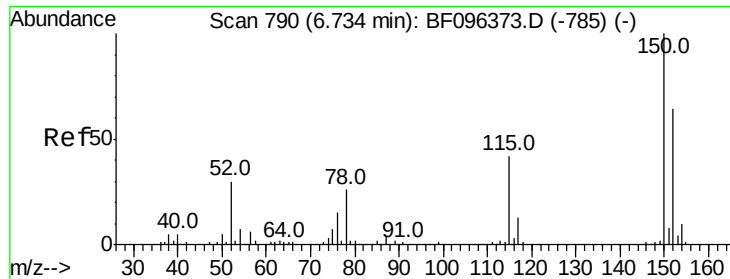
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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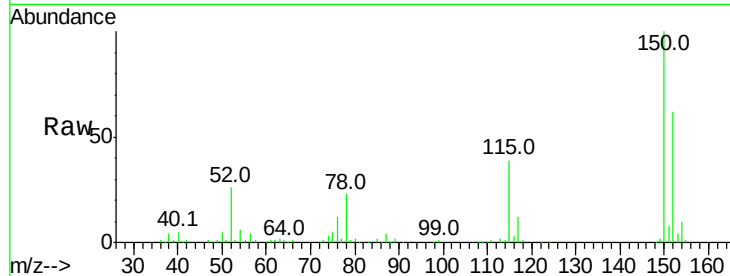


#1

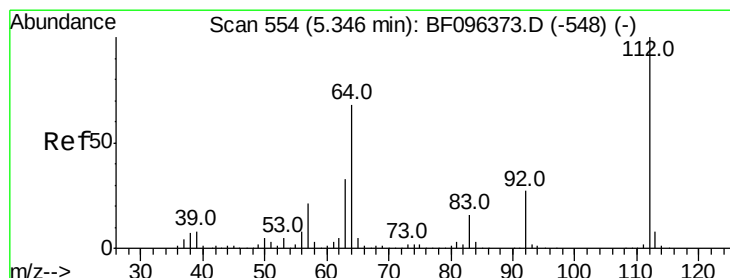
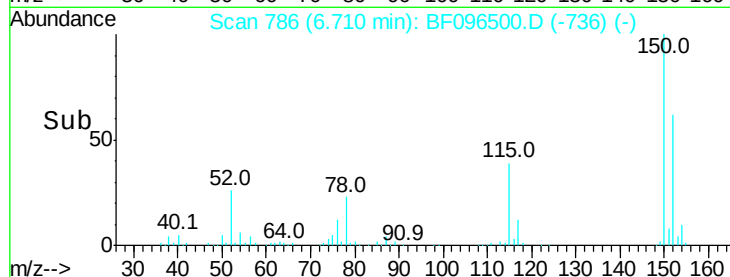
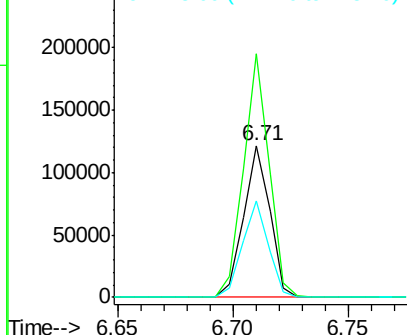
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF096500.D
 Acq: 5 Jul 2017 23:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 96833
 Ion Ratio Lower Upper
 152 100
 150 160.2 126.2 189.2
 115 63.1 52.2 78.2



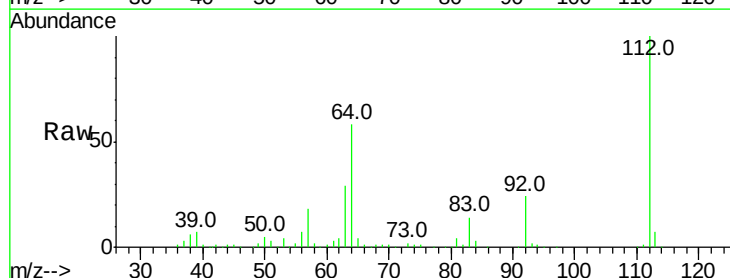
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



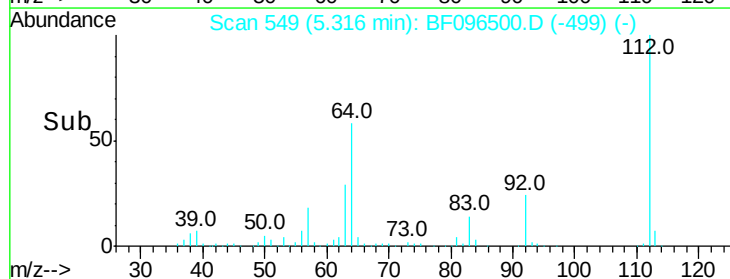
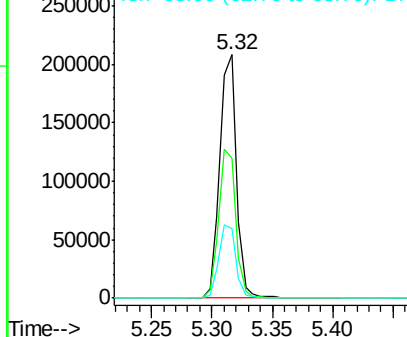
#5

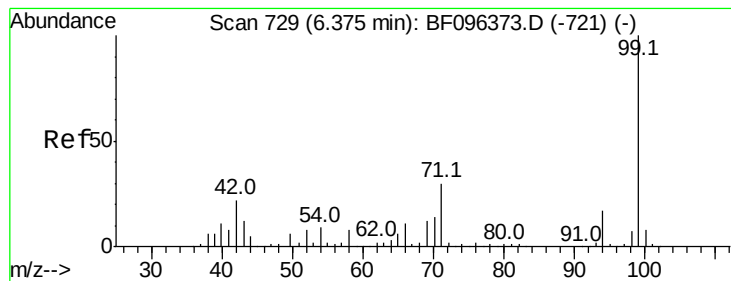
2-Fluorophenol
 Concen: 30.33 ng
 RT: 5.32 min Scan# 549
 Delta R.T. -0.01 min
 Lab File: BF096500.D
 Acq: 5 Jul 2017 23:40

Tgt Ion:112 Resp: 199010
 Ion Ratio Lower Upper
 112 100
 64 57.7 46.0 69.0
 63 28.6 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: 25.70 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF096500.D

Acq: 5 Jul 2017 23:40

Instrument :

BNA_F

ClientSampleId :

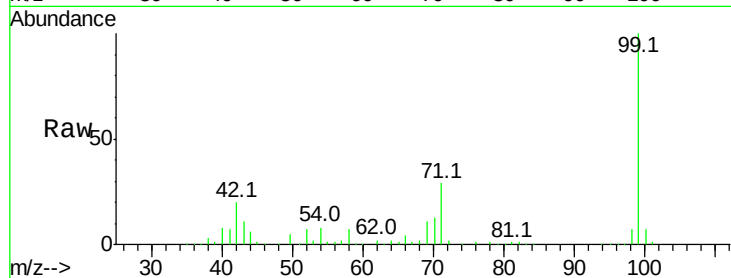
Tot Ion: 99 Resp: 207254

Ion Ratio Lower Upper

99 100

42 20.2 13.5 20.3

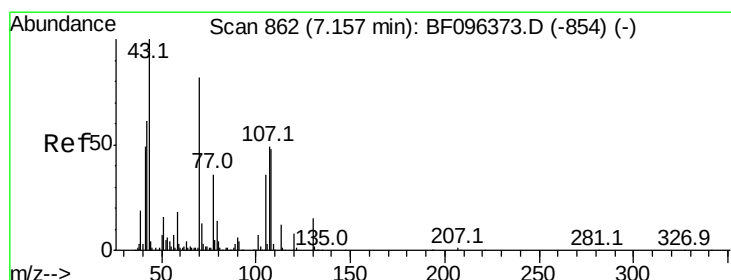
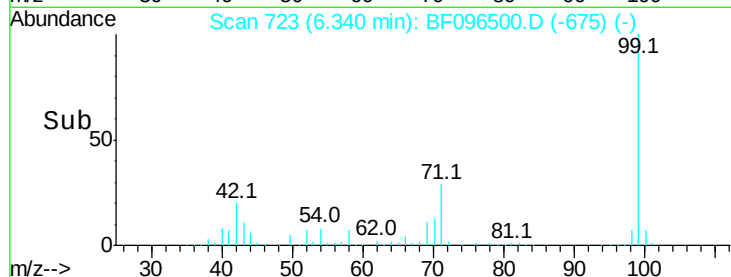
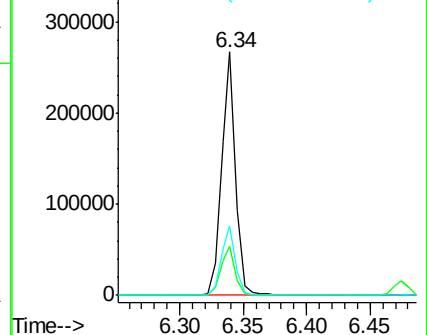
71 28.5 24.5 36.7



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: 2.76 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF096500.D

Acq: 5 Jul 2017 23:40

Tgt Ion: 70 Resp: 13264

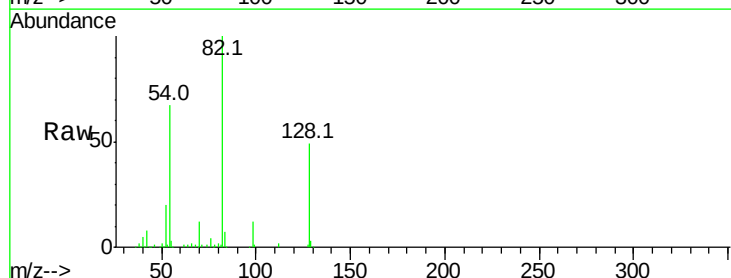
Ion Ratio Lower Upper

70 100

42 63.0 47.2 70.8

101 0.0 7.2 10.8#

130 3.3 15.9 23.9#

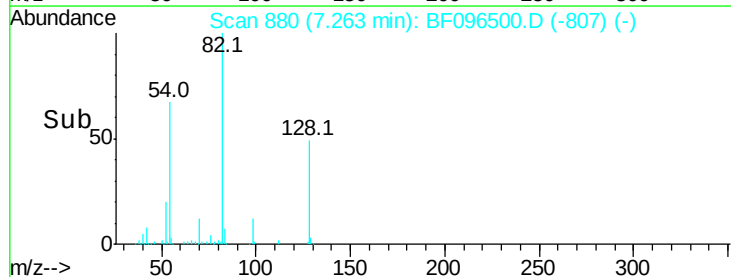
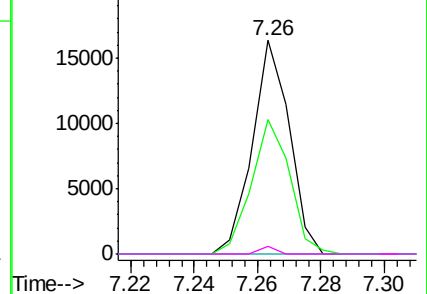


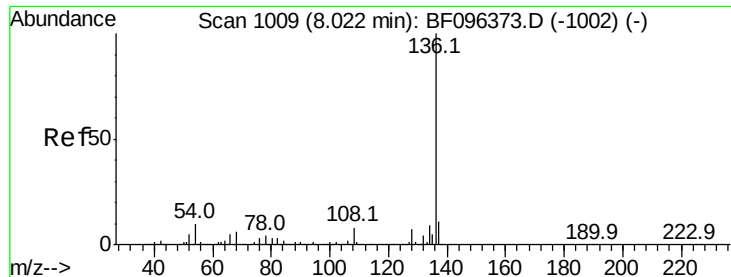
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

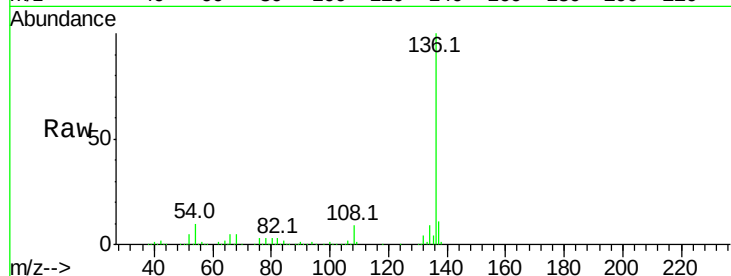




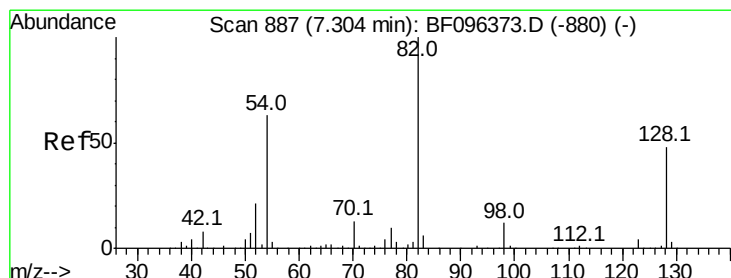
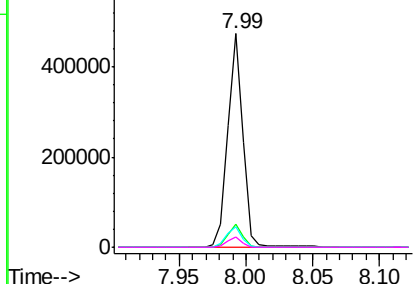
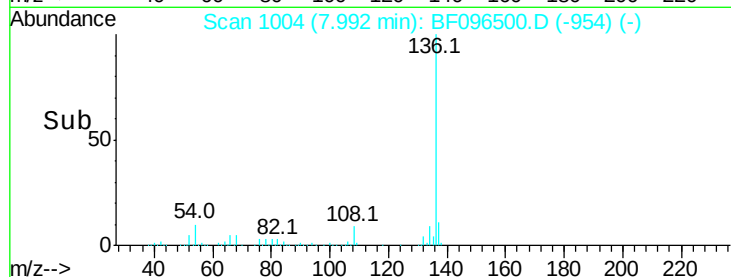
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF096500.D
Acq: 5 Jul 2017 23:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	382095
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	9.6	4.9	7.3#
68	5.0	4.1	6.1

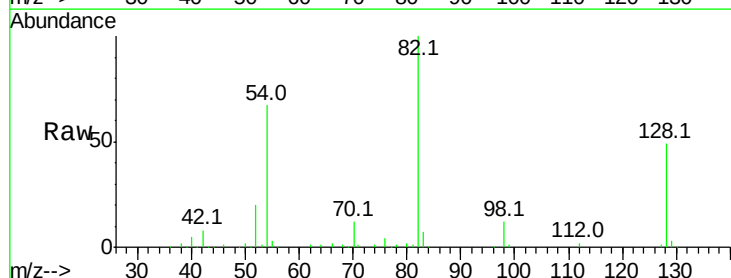


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

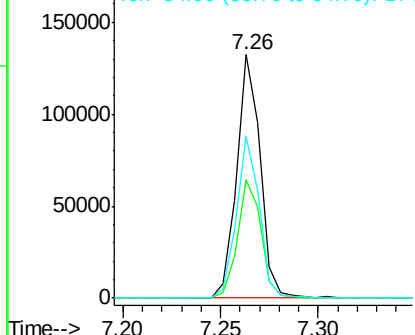
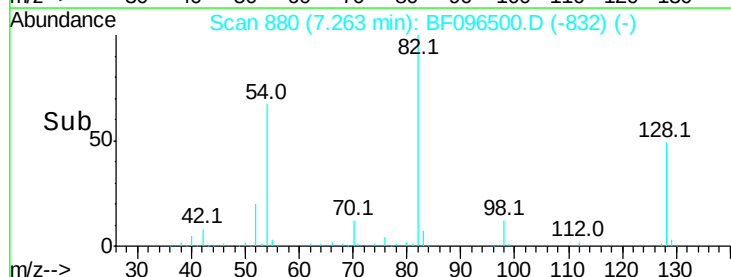


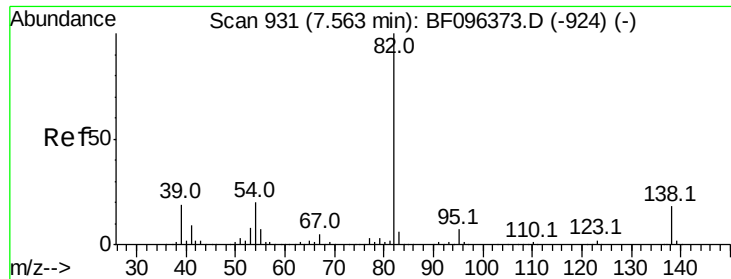
#23
Nitrobenzene-d5
Concen: 17.43 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF096500.D
Acq: 5 Jul 2017 23:40

Tgt Ion:	82	Resp:	110847
Ion	Ratio	Lower	Upper
82	100		
128	48.6	34.0	51.0
54	66.6	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: 8.98 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF096500.D

Acq: 5 Jul 2017 23:40

Instrument :

BNA_F

ClientSampleId :

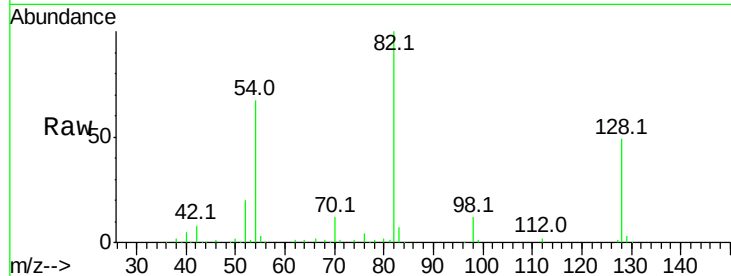
Tot Ion: 82 Resp: 110677

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

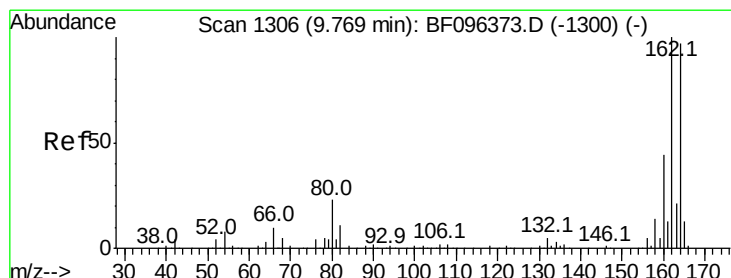
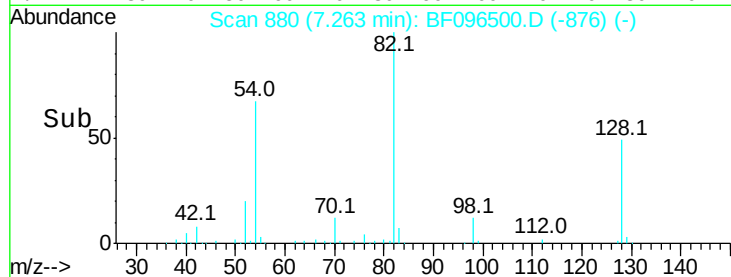
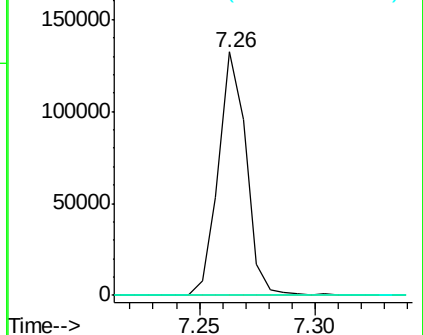
138 0.0 13.1 19.7#



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: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF096500.D

Acq: 5 Jul 2017 23:40

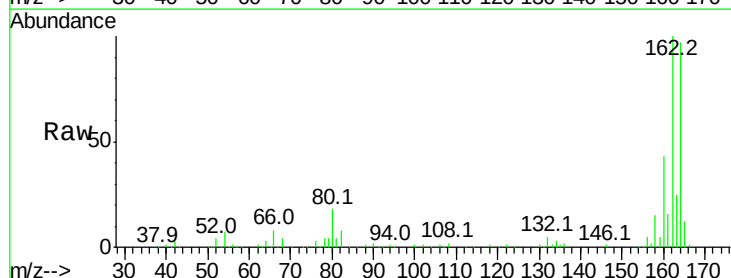
Tgt Ion:164 Resp: 144578

Ion Ratio Lower Upper

164 100

162 103.0 82.6 123.8

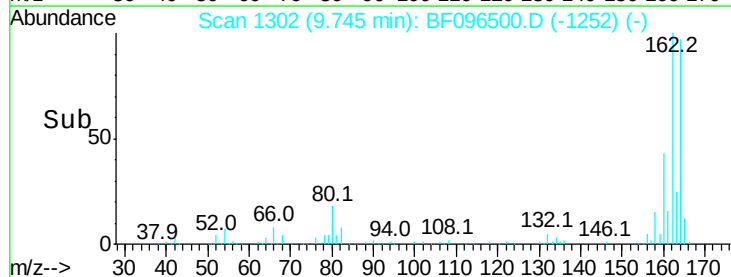
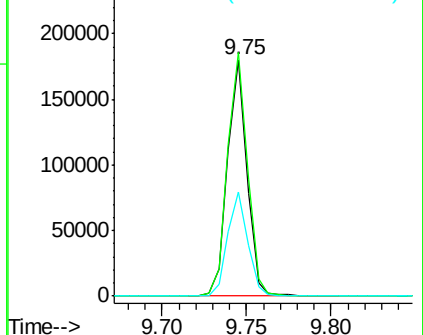
160 44.0 36.2 54.2

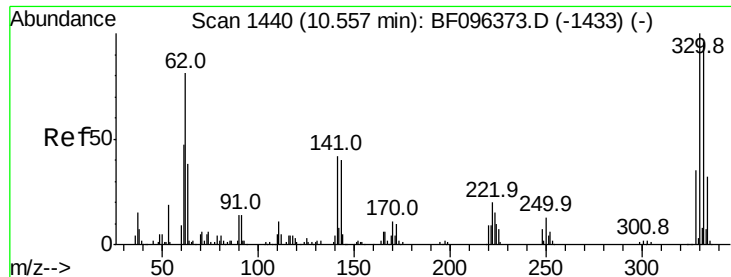


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

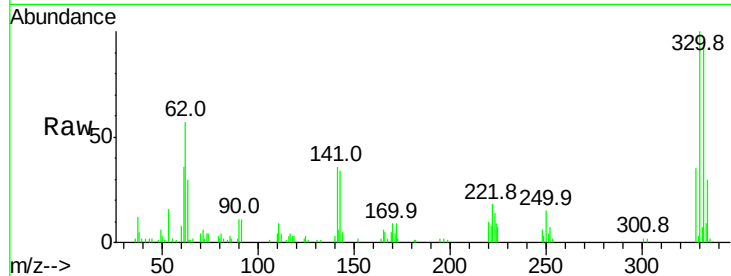




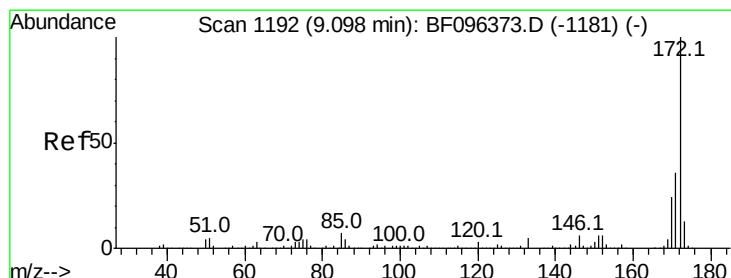
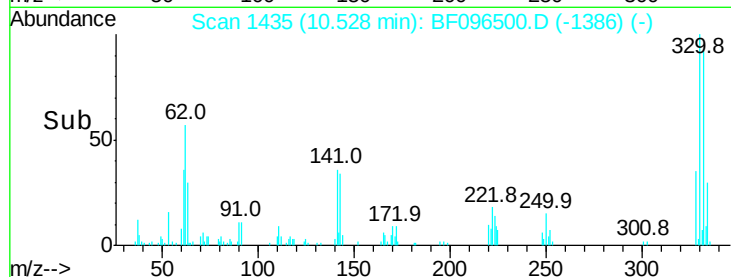
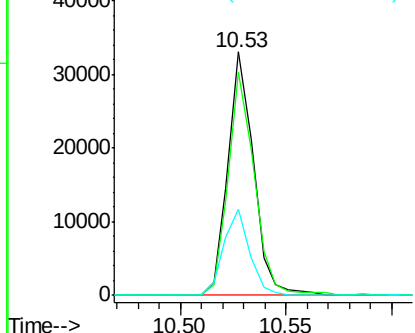
#41
 2,4,6-Tribromophenol
 Concen: 24.62 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF096500.D
 Acq: 5 Jul 2017 23:40

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:330 Resp: 27808
 Ion Ratio Lower Upper
 330 100
 332 93.5 76.6 115.0
 141 35.7 31.4 47.2

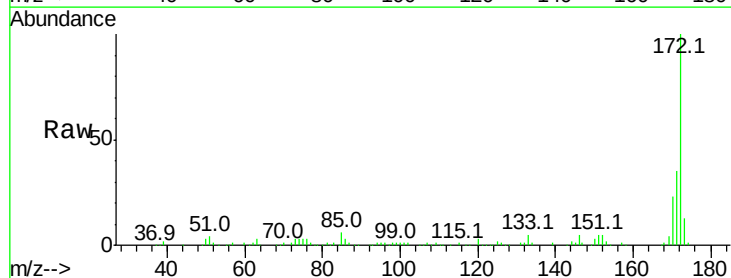


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

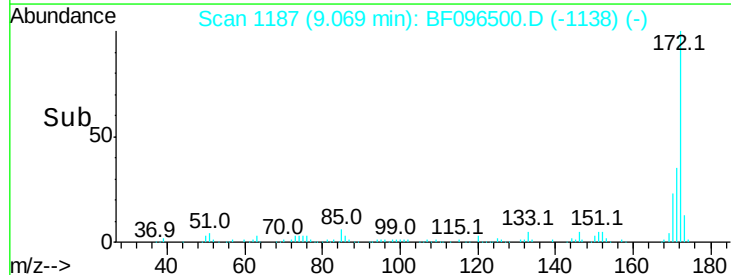
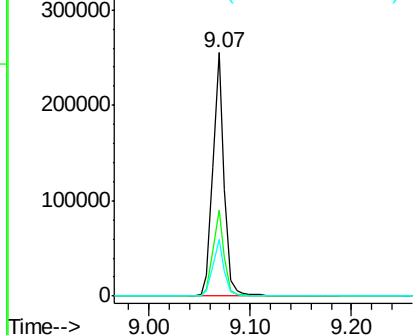


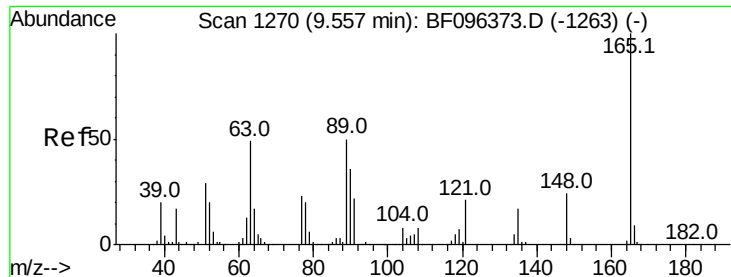
#44
 2-Fluorobiphenyl
 Concen: 23.58 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF096500.D
 Acq: 5 Jul 2017 23:40

Tgt Ion:172 Resp: 199358
 Ion Ratio Lower Upper
 172 100
 171 35.3 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

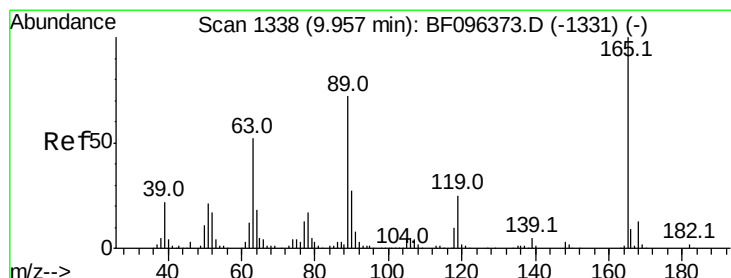
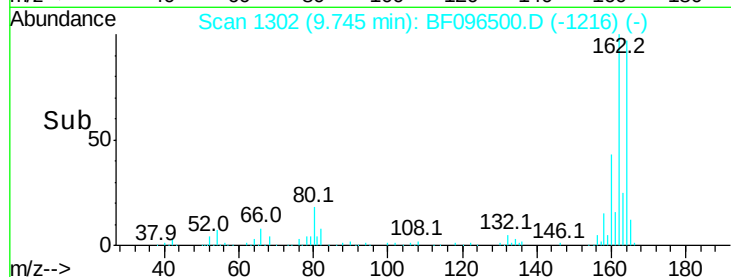
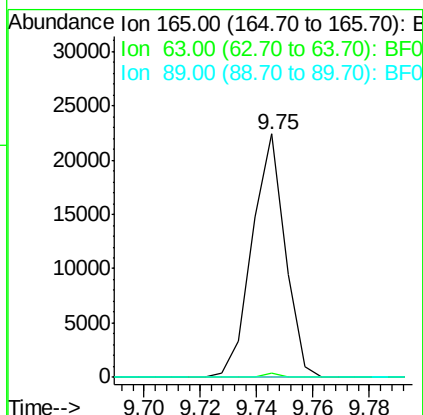
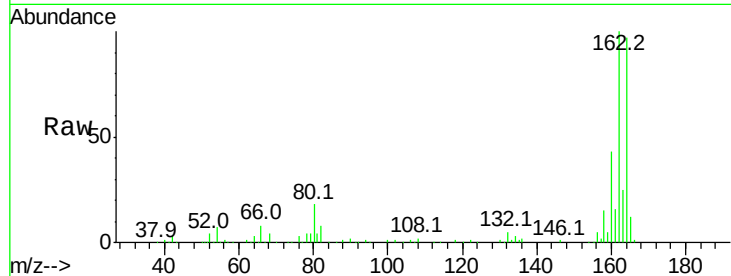




#50
 2,6-Dinitrotoluene
 Concen: 7.59 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. 0.21 min
 Lab File: BF096500.D
 Acq: 5 Jul 2017 23:40

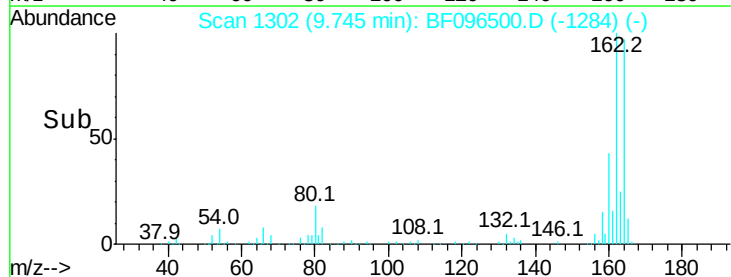
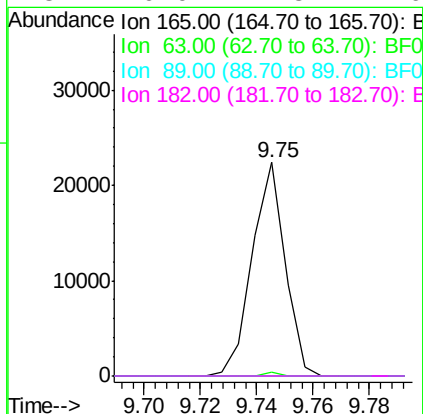
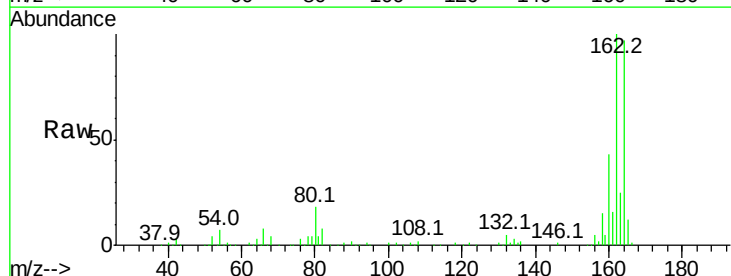
Instrument :
 BNA_F
 ClientSampleId :

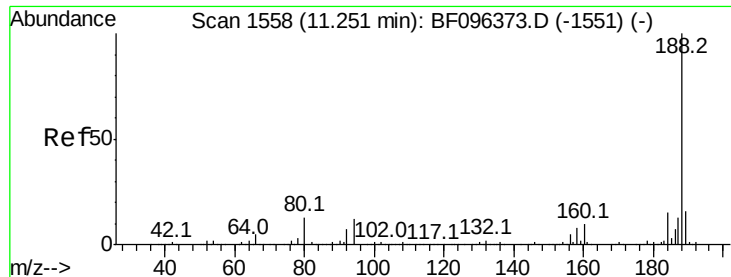
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.3	51.5#
89	0.0	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.00 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.19 min
 Lab File: BF096500.D
 Acq: 5 Jul 2017 23:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#

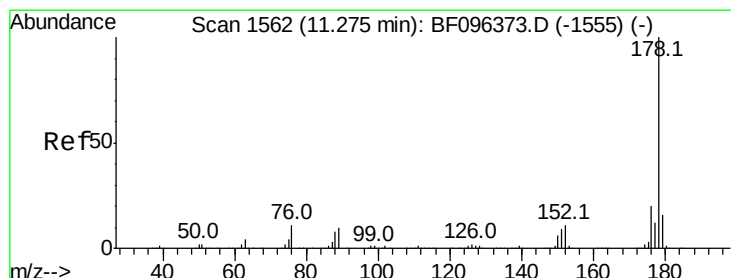
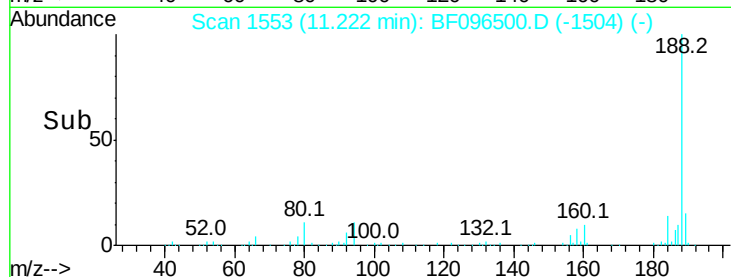
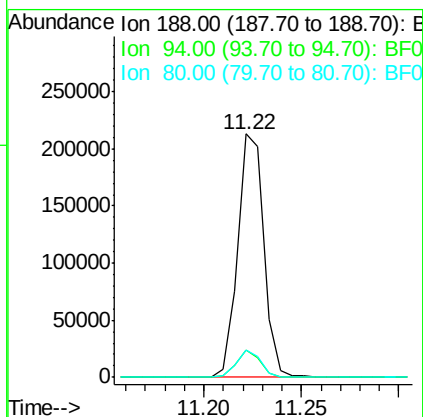
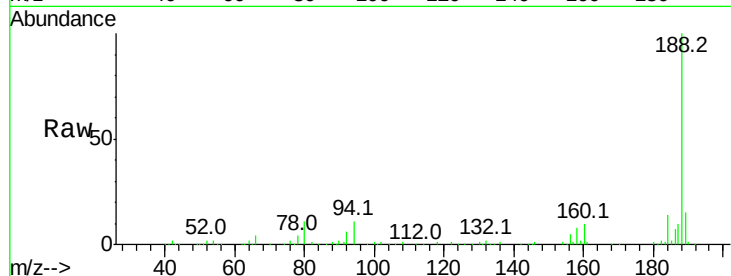




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 1553
 Delta R.T. -0.01 min
 Lab File: BF096500.D
 Acq: 5 Jul 2017 23:40

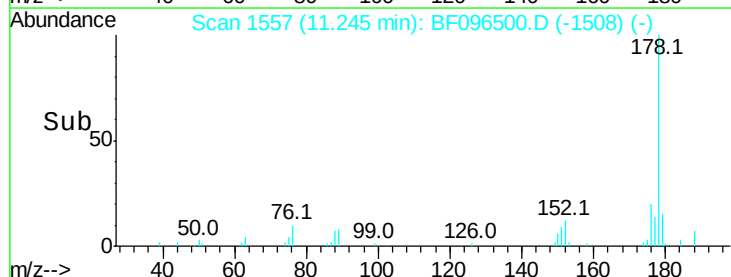
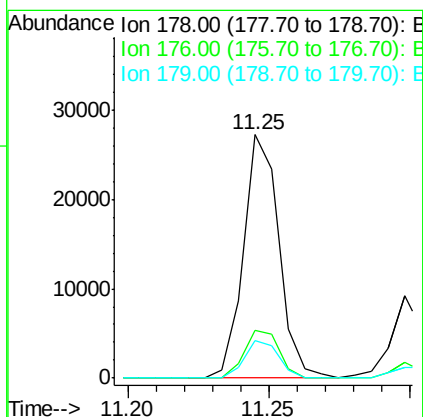
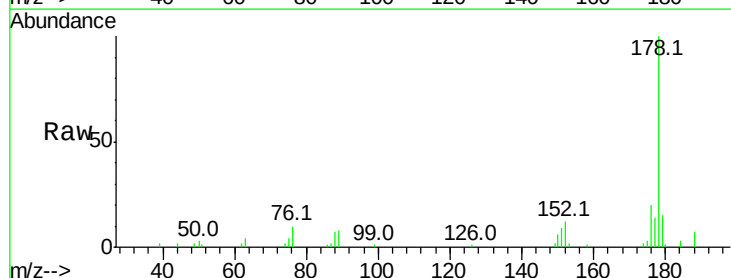
Instrument :
 BNA_F
 ClientSampleId :

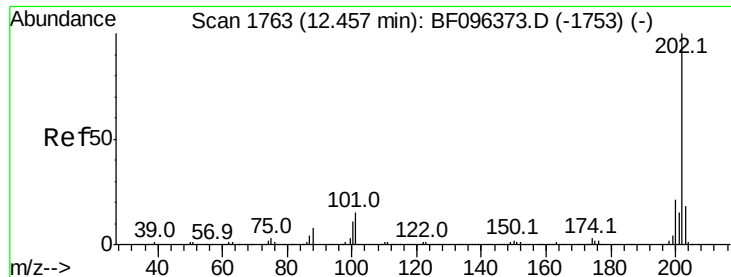
Tot Ion:188 Resp: 197421
 Ion Ratio Lower Upper
 188 100
 94 11.3 9.4 14.2
 80 11.2 10.2 15.2



#70
 Phenanthrene
 Concen: 2.22 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF096500.D
 Acq: 5 Jul 2017 23:40

Tgt Ion:178 Resp: 23683
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.2 24.4
 179 15.2 12.6 19.0

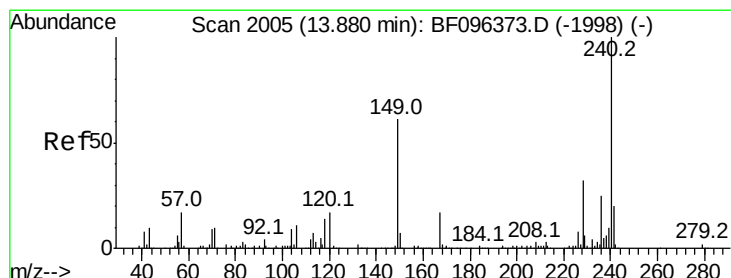
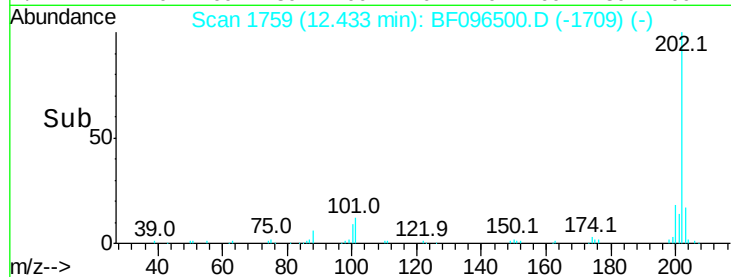
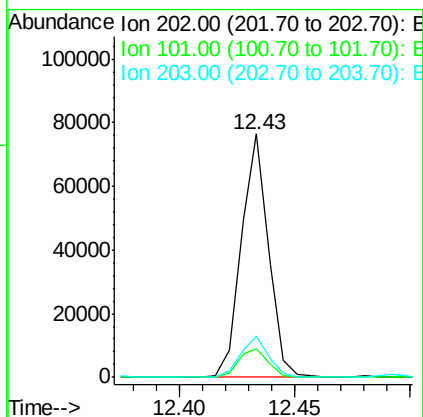
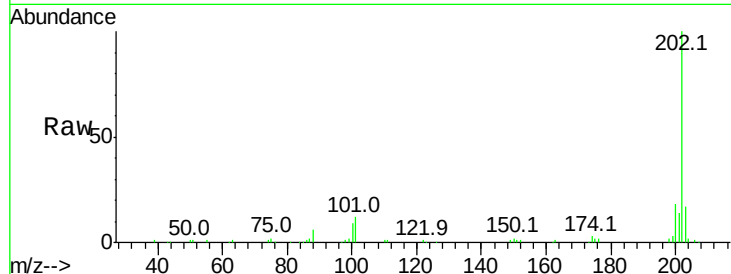




#74
 Fluoranthene
 Concen: 5.97 ng
 RT: 12.43 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BF096500.D
 Acq: 5 Jul 2017 23:40

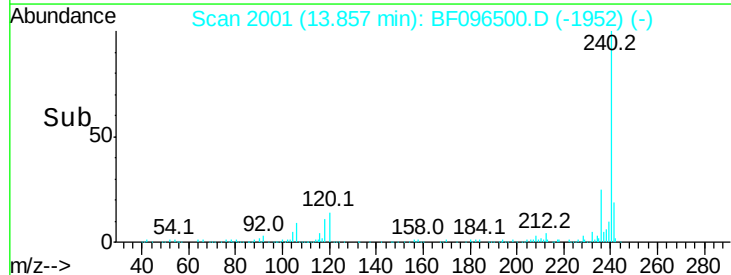
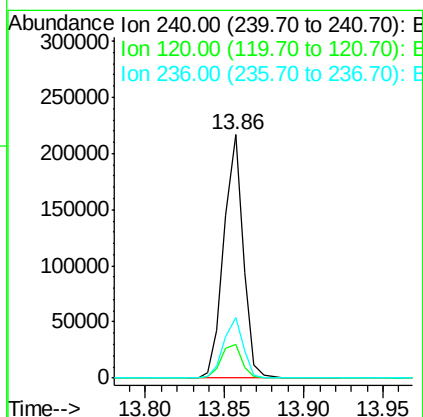
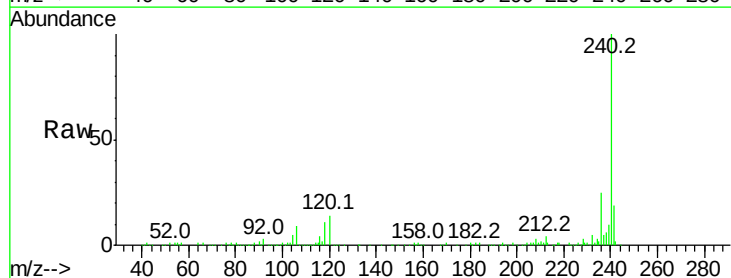
Instrument :
 BNA_F
 ClientSampleId :

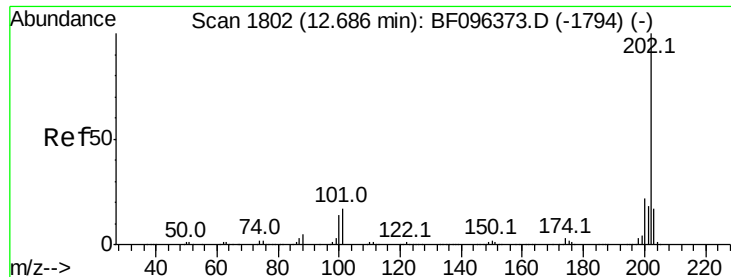
Tot Ion:202 Resp: 62493
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 33.2
 203 16.8 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF096500.D
 Acq: 5 Jul 2017 23:40

Tgt Ion:240 Resp: 183716
 Ion Ratio Lower Upper
 240 100
 120 13.6 5.8 8.8#
 236 25.1 20.5 30.7





#77

Pvrene

Concen: 3.96 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF096500.D

Acq: 5 Jul 2017 23:40

Instrument :

BNA_F

ClientSampleId :

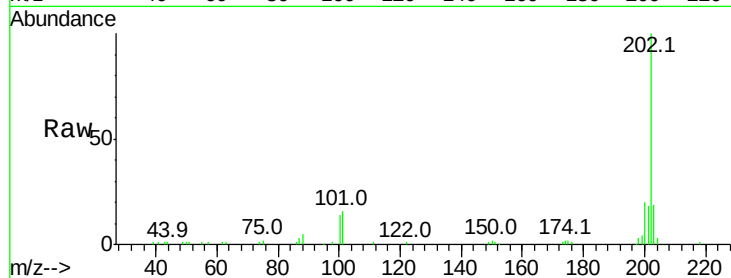
Tot Ion:202 Resp: 58375

Ion Ratio Lower Upper

202 100

200 19.8 17.6 26.4

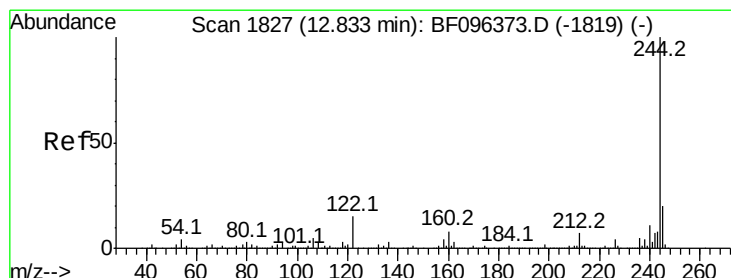
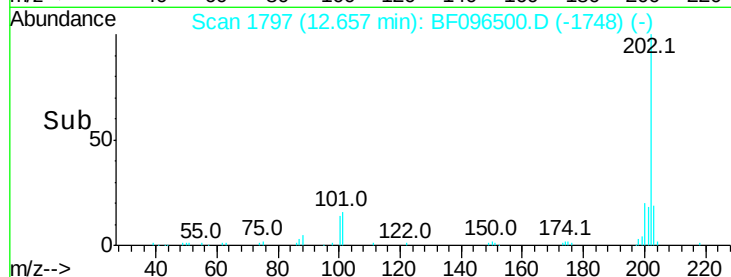
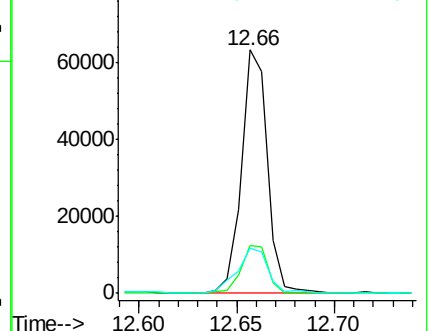
203 18.7 14.4 21.6



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: 12.35 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF096500.D

Acq: 5 Jul 2017 23:40

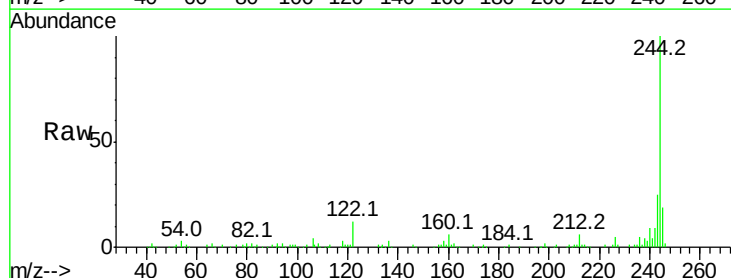
Tgt Ion:244 Resp: 106195

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

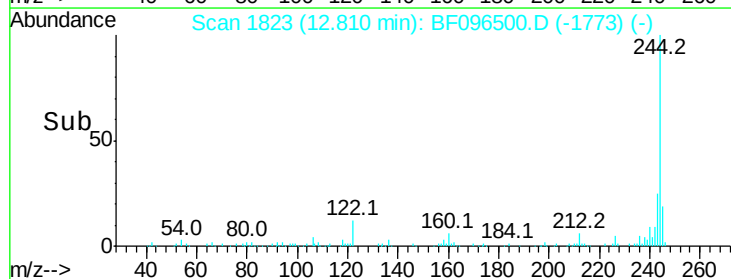
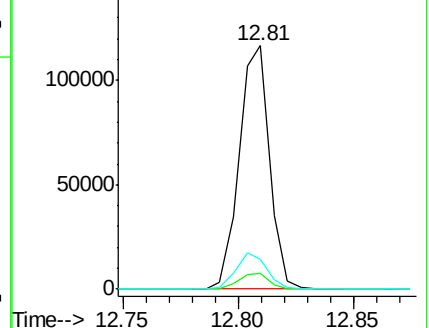
122 12.3 10.3 15.5

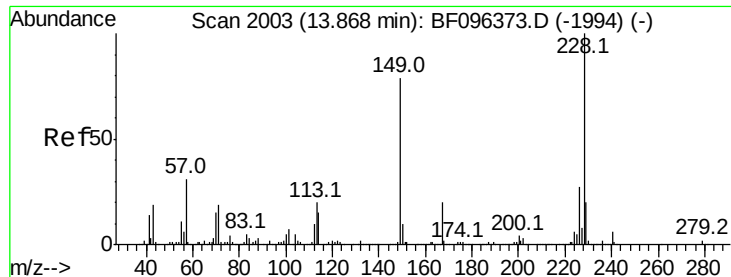


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

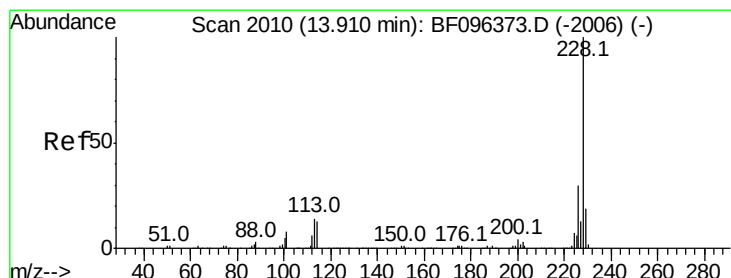
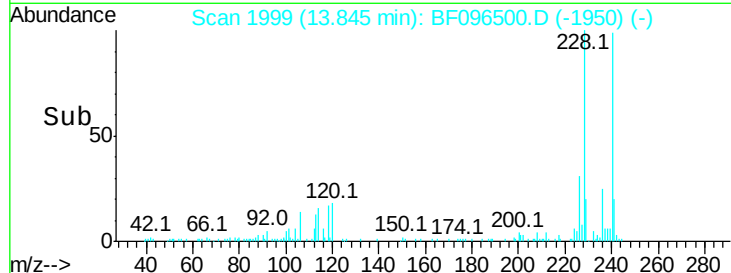
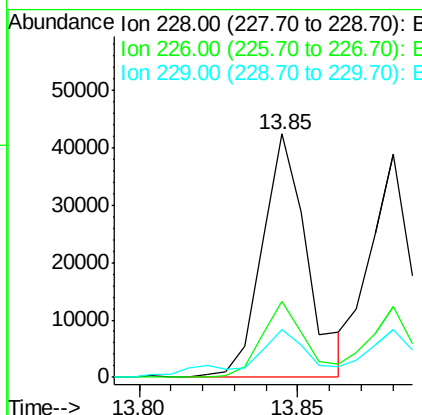
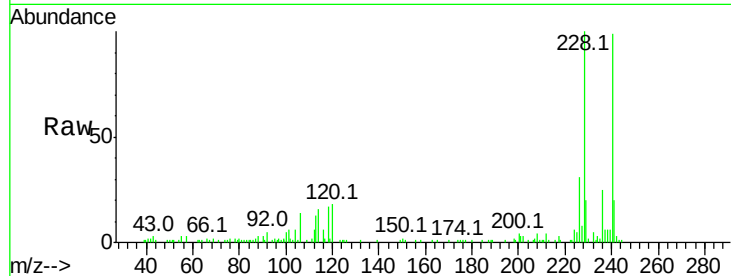




#80
Benzo(a)anthracene
Concen: 3.93 ng
RT: 13.85 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF096500.D
Acq: 5 Jul 2017 23:40

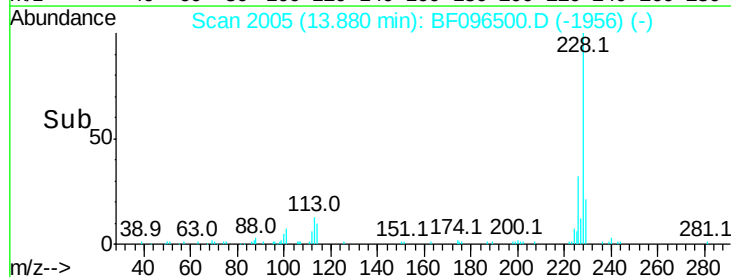
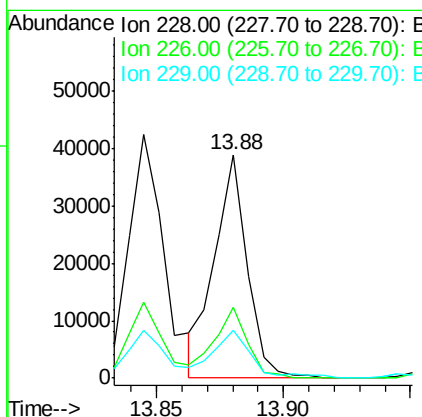
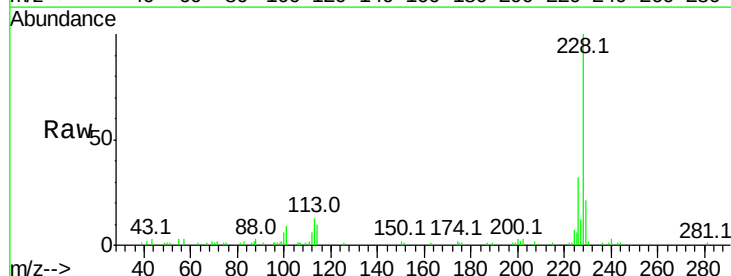
Instrument :
BNA_F
ClientSampleId :

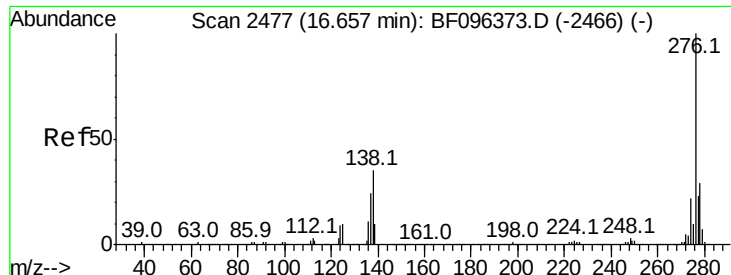
Tot Ion:228 Resp: 41801
Ion Ratio Lower Upper
228 100
226 31.2 22.6 33.8
229 19.8 16.3 24.5



#82
Chrysene
Concen: 3.14 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF096500.D
Acq: 5 Jul 2017 23:40

Tgt Ion:228 Resp: 35013
Ion Ratio Lower Upper
228 100
226 31.7 24.9 37.3
229 21.3 15.8 23.6

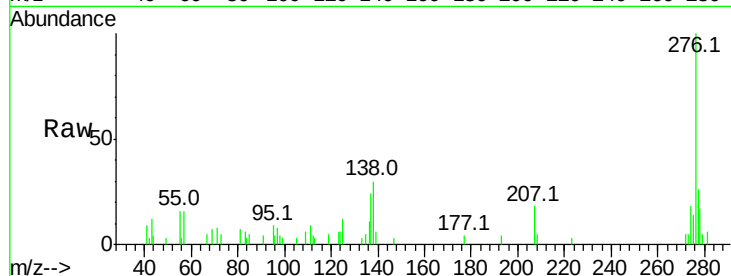




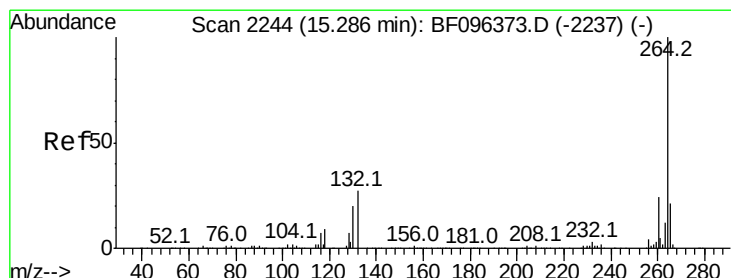
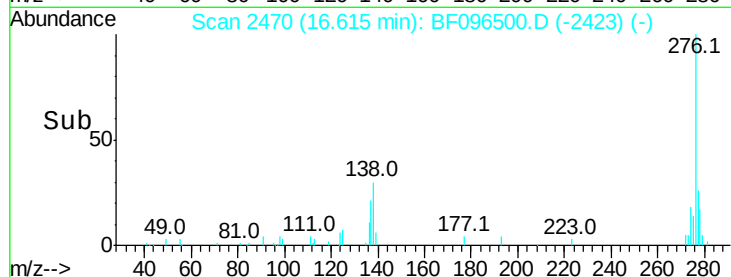
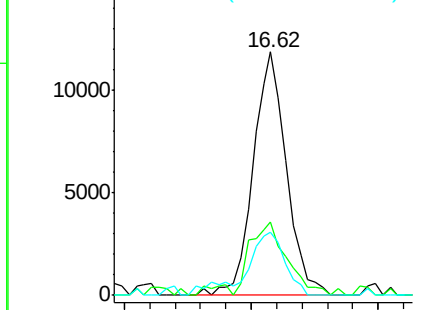
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.46 ng
 RT: 16.62 min Scan# 2470
 Delta R.T. -0.02 min
 Lab File: BF096500.D
 Acq: 5 Jul 2017 23:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 21620
 Ion Ratio Lower Upper
 276 100
 138 33.8 27.8 41.6
 277 30.4 20.2 30.4#

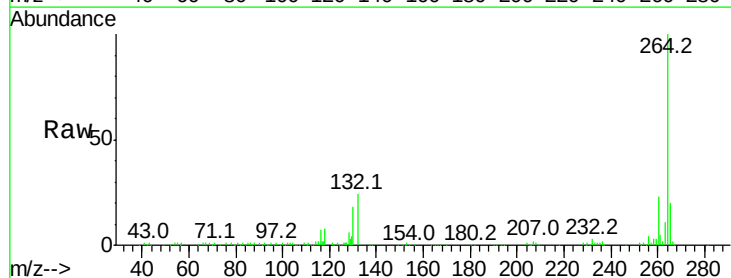


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

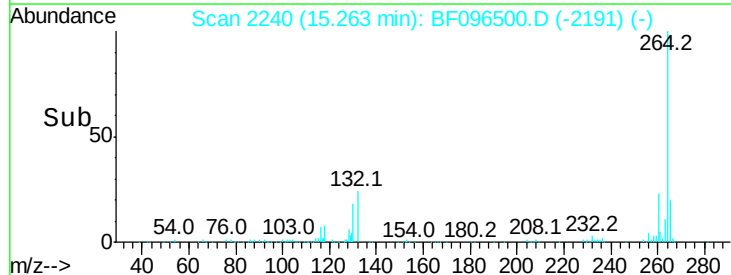
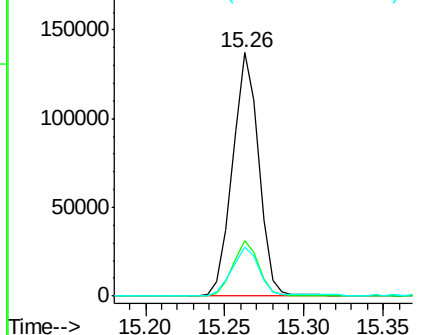


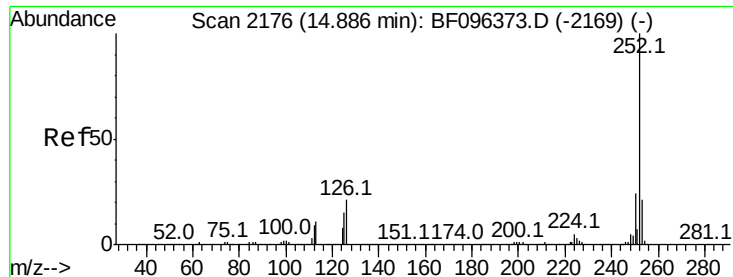
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.26 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: BF096500.D
 Acq: 5 Jul 2017 23:40

Tgt Ion:264 Resp: 157669
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.5 29.3
 265 20.4 17.2 25.8



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





#87

Benzo(b)fluoranthene

Concen: 6.82 ng

RT: 14.86 min Scan# 2172

Delta R.T. -0.01 min

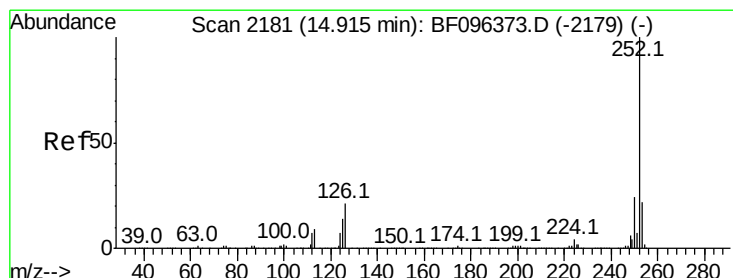
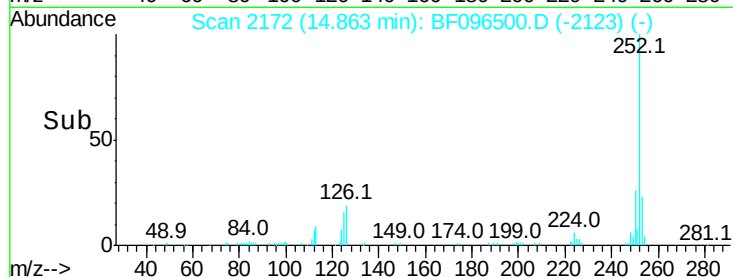
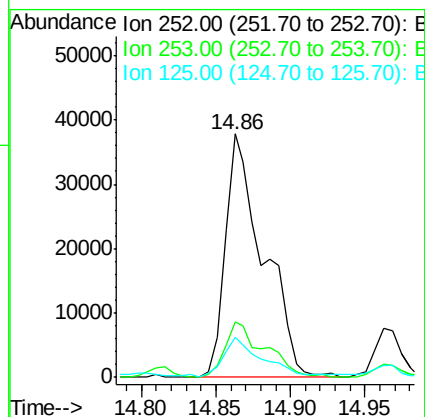
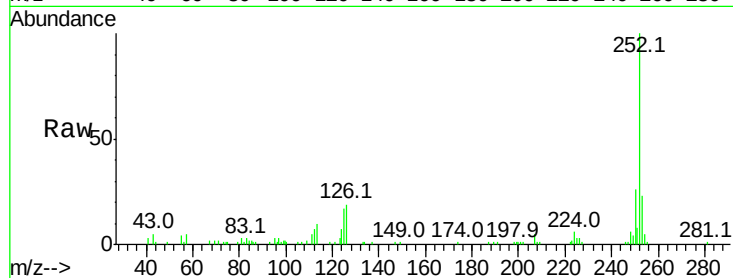
Lab File: BF096500.D

Acq: 5 Jul 2017 23:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 67385

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	16.7	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 7.63 ng

RT: 14.86 min Scan# 2172

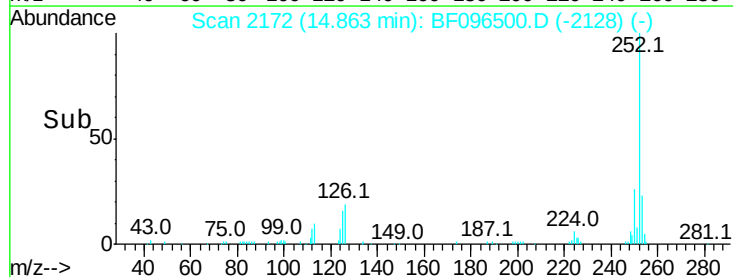
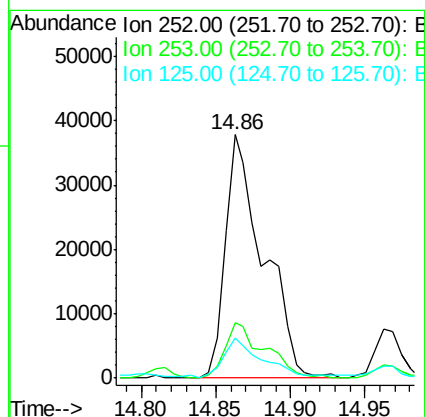
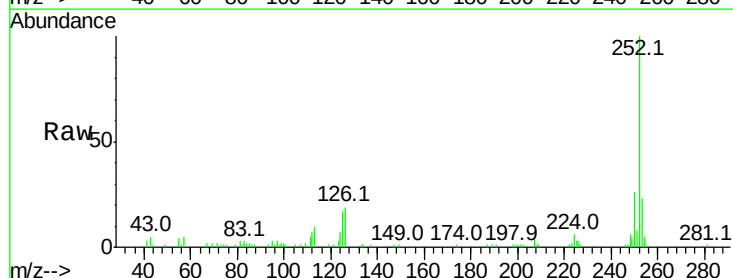
Delta R.T. -0.04 min

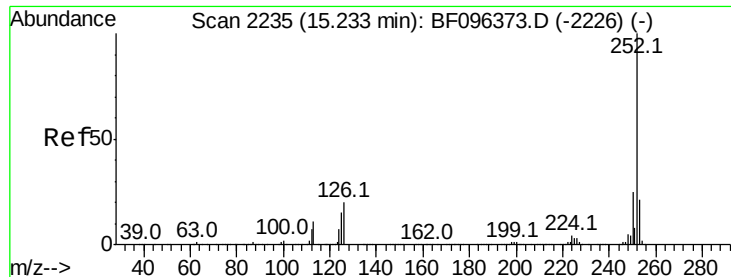
Lab File: BF096500.D

Acq: 5 Jul 2017 23:40

Tgt Ion:252 Resp: 67385

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	16.7	13.1	19.7

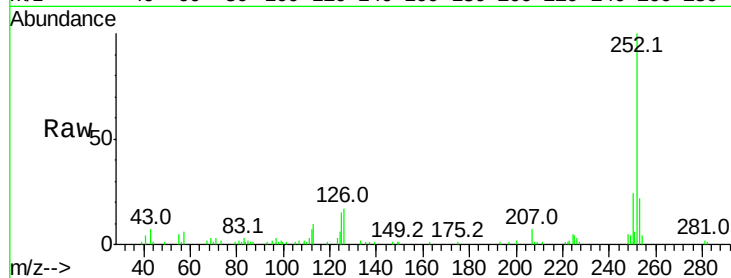




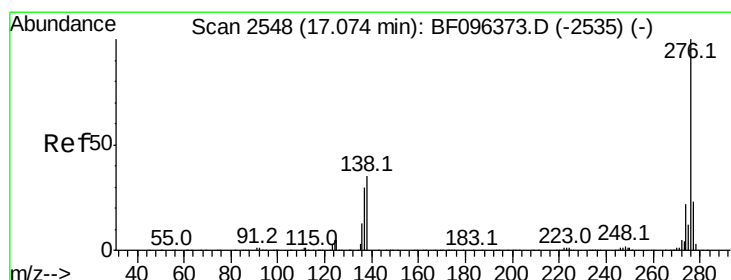
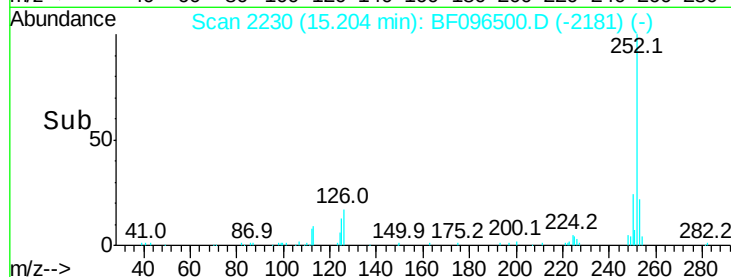
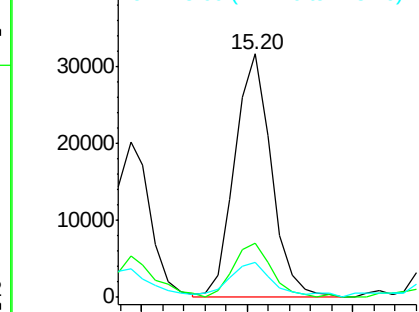
#89
Benzo(a)pyrene
Concen: 4.32 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF096500.D
Acq: 5 Jul 2017 23:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 38096
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 14.5 11.0 16.4

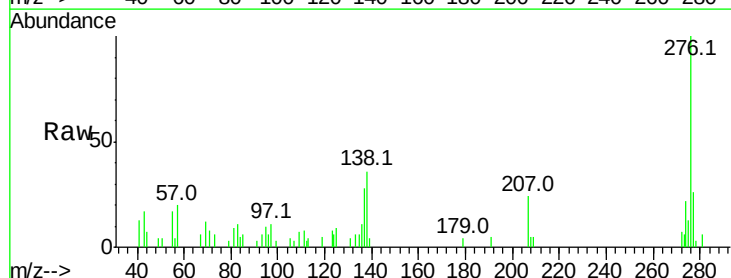


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.64 ng
RT: 17.02 min Scan# 2539
Delta R.T. -0.03 min
Lab File: BF096500.D
Acq: 5 Jul 2017 23:40

Tgt Ion:276 Resp: 18958
Ion Ratio Lower Upper
276 100
277 26.5 18.6 28.0
138 35.7 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

