

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071017\
 Data File : BF096617.D
 Acq On : 10 Jul 2017 22:43
 Operator : SJ/JU
 Sample : I4061-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 11 01:13:29 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

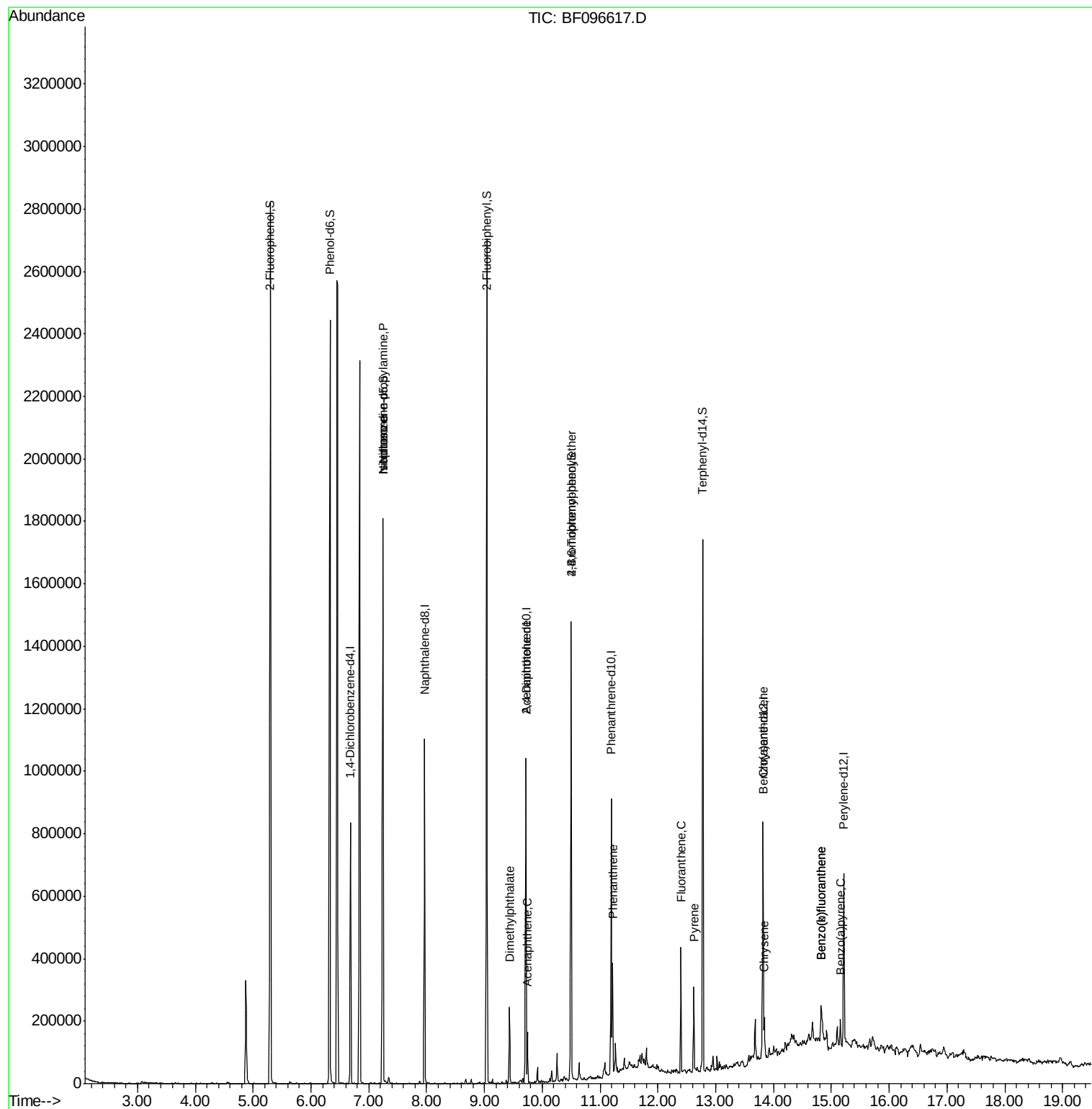
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	119999	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	493607	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	206193	20.00	ng	-0.02
63) Phenanthrene-d10	11.19	188	297790	20.00	ng	-0.02
75) Chrysene-d12	13.82	240	236360	20.00	ng	-0.02
86) Perylene-d12	15.22	264	230457	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	789751	97.14	ng	-0.01
7) Phenol-d6	6.33	99	955784	95.63	ng	-0.02
23) Nitrobenzene-d5	7.25	82	569912	69.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	161041	99.99	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	945390	78.39	ng	-0.02
78) Terphenyl-d14	12.78	244	564194	51.01	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.25	70	75950	12.76	ng	# 88
25) Isophorone	7.25	82	567044	35.60	ng	# 67
49) Dimethylphthalate	9.43	163	88841	5.77	ng	99
51) Acenaphthene	9.75	154	32484	2.53	ng	97
56) 2,4-Dinitrotoluene	9.72	165	25224	5.85	ng	# 33
66) 4-Bromophenyl-phenylether	10.50	248	10496	3.62	ng	# 1
70) Phenanthrene	11.22	178	122199	7.59	ng	98
74) Fluoranthene	12.40	202	140827	8.92	ng	99
77) Pyrene	12.62	202	108102	5.70	ng	98
80) Benzo(a)anthracene	13.81	228	49792	3.64	ng	99
82) Chrysene	13.84	228	43091	3.01	ng	96
87) Benzo(b)fluoranthene	14.82	252	77863	5.39	ng	# 95
88) Benzo(k)fluoranthene	14.82	252	77863	6.03	ng	99
89) Benzo(a)pyrene	15.16	252	35517	2.75	ng	97

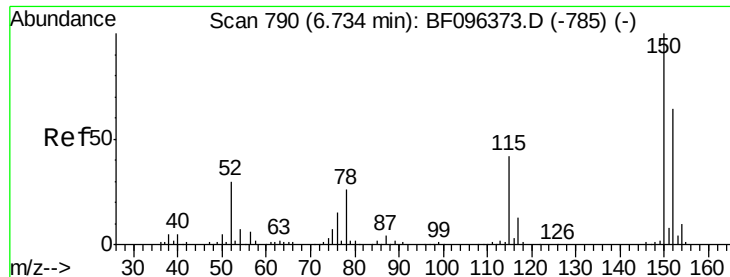
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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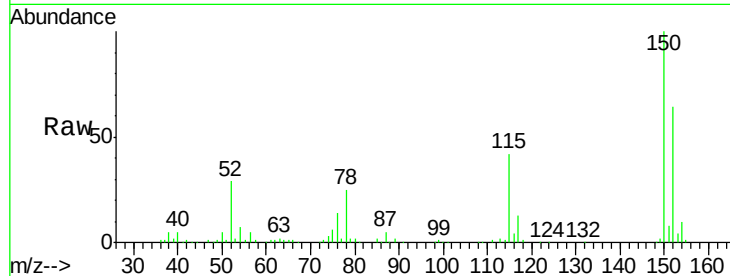


#1

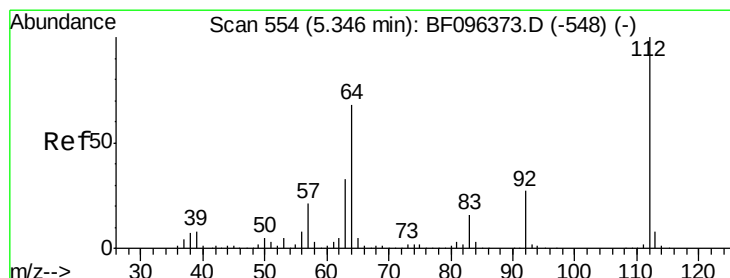
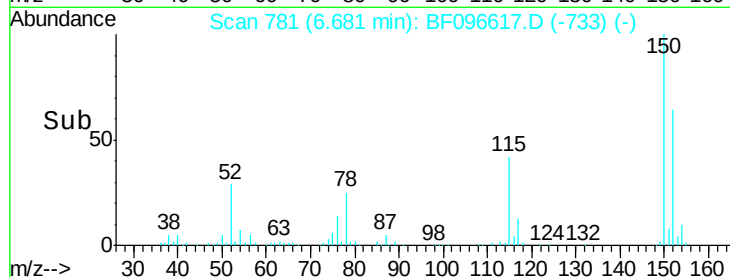
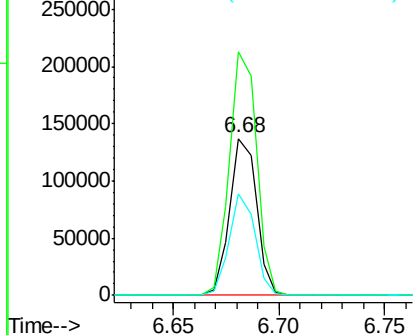
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF096617.D
Acq: 10 Jul 2017 22:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 119999
Ion Ratio Lower Upper
152 100
150 155.4 126.2 189.2
115 65.1 52.2 78.2



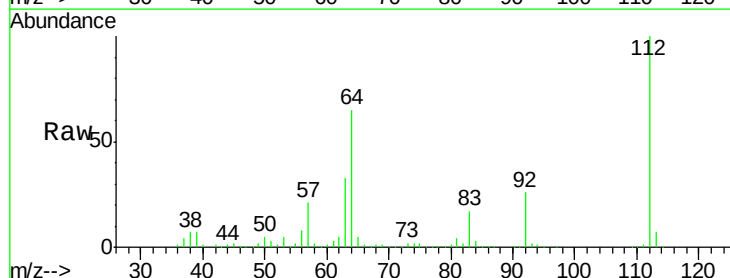
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



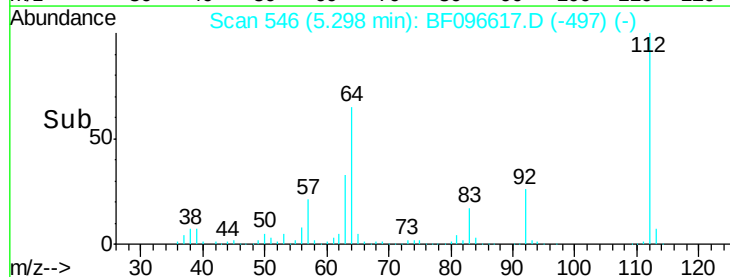
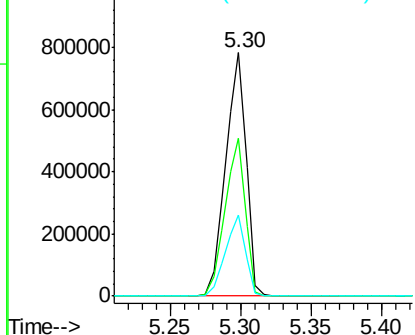
#5

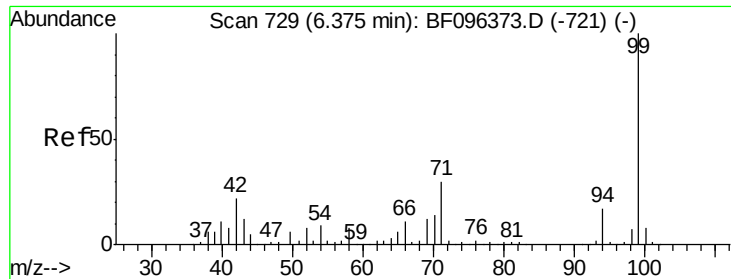
2-Fluorophenol
Concen: 97.14 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF096617.D
Acq: 10 Jul 2017 22:43

Tgt Ion:112 Resp: 789751
Ion Ratio Lower Upper
112 100
64 65.0 46.0 69.0
63 33.4 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: 95.63 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096617.D

Acq: 10 Jul 2017 22:43

Instrument :

BNA_F

ClientSampled :

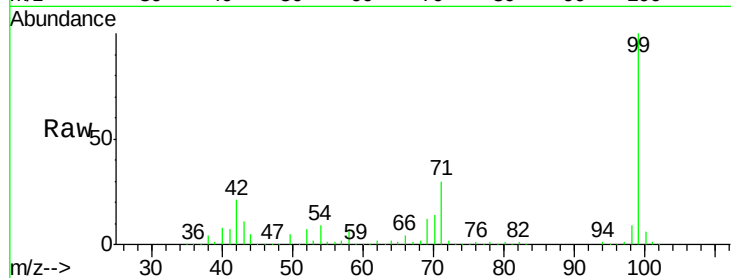
Tot Ion: 99 Resp: 955784

Ion Ratio Lower Upper

99 100

42 21.0 13.5 20.3#

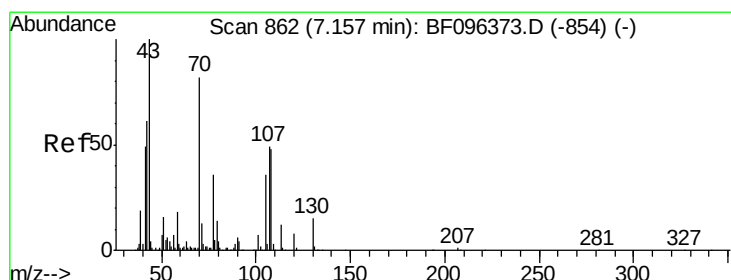
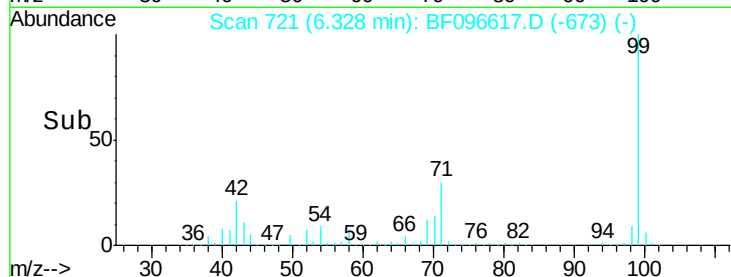
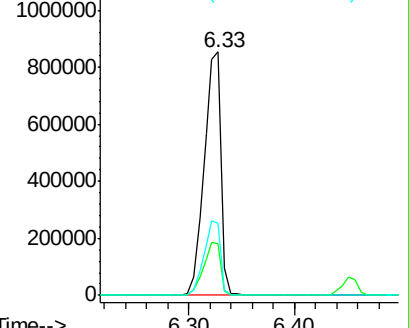
71 29.7 24.5 36.7



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: 12.76 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.12 min

Lab File: BF096617.D

Acq: 10 Jul 2017 22:43

Tgt Ion: 70 Resp: 75950

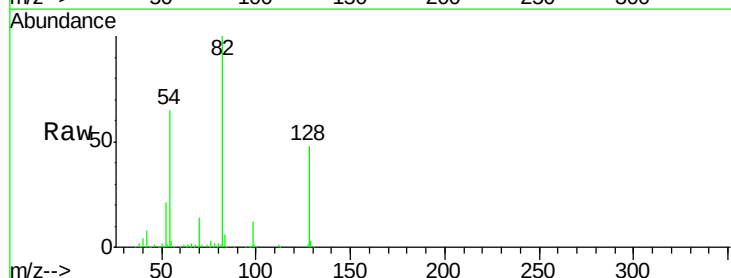
Ion Ratio Lower Upper

70 100

42 57.8 47.2 70.8

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

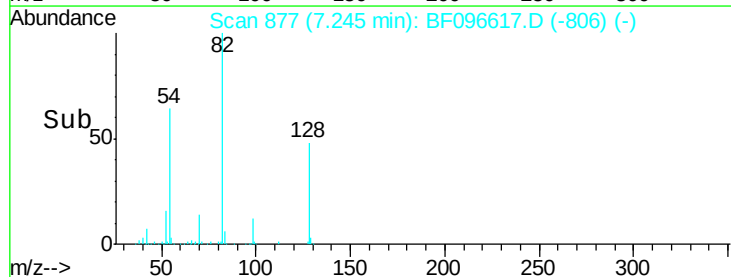
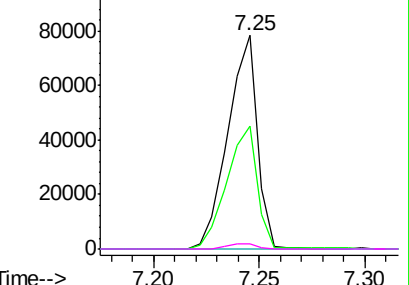


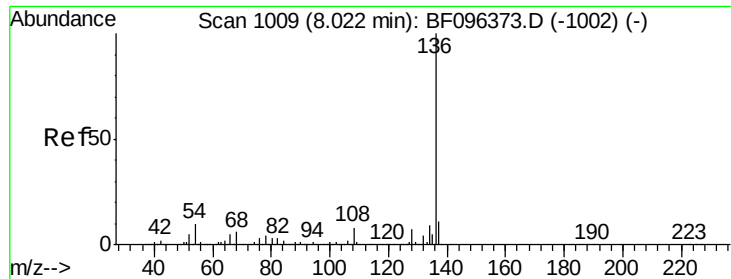
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.96 min Scan# 999

Delta R.T. -0.02 min

Lab File: BF096617.D

Acq: 10 Jul 2017 22:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 493607

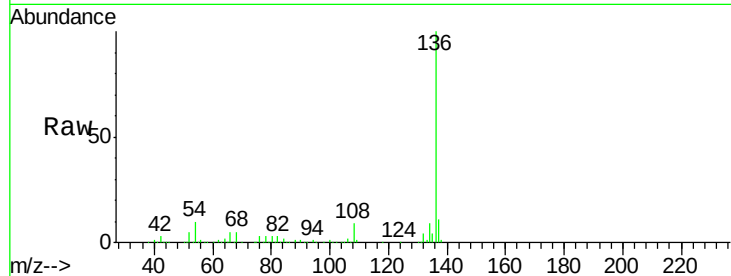
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.2 4.9 7.3#

68 5.2 4.1 6.1

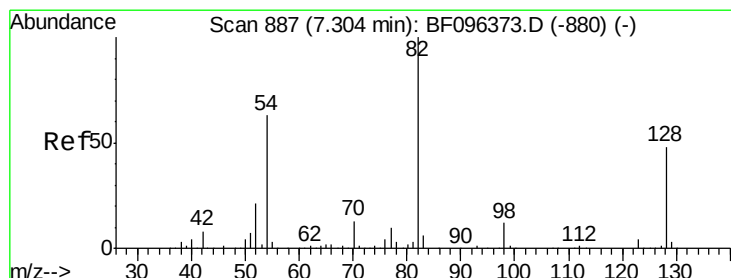
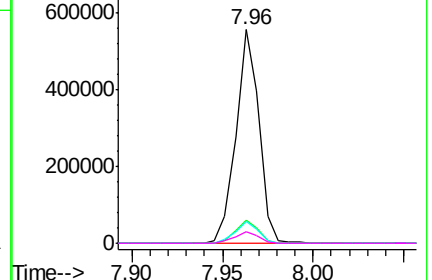
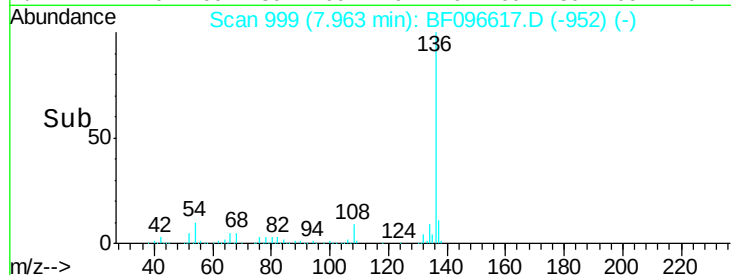


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.38 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.02 min

Lab File: BF096617.D

Acq: 10 Jul 2017 22:43

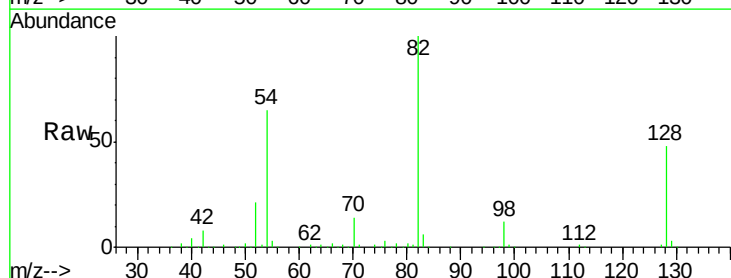
Tgt Ion: 82 Resp: 569912

Ion Ratio Lower Upper

82 100

128 47.9 34.0 51.0

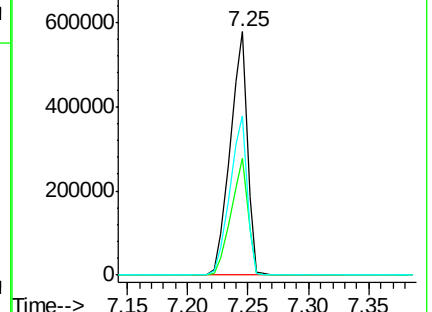
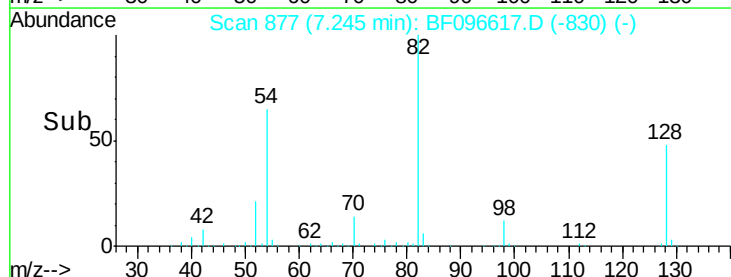
54 65.4 42.2 63.2#

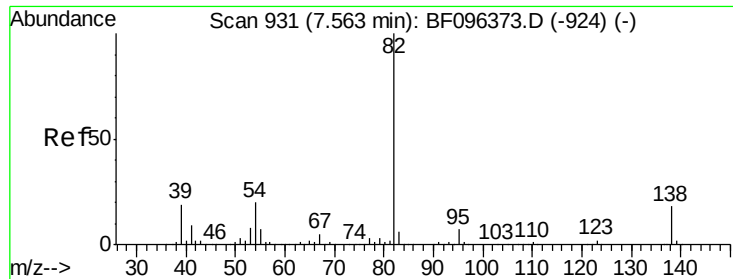


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 35.60 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.28 min

Lab File: BF096617.D

Acq: 10 Jul 2017 22:43

Instrument :

BNA_F

ClientSampleId :

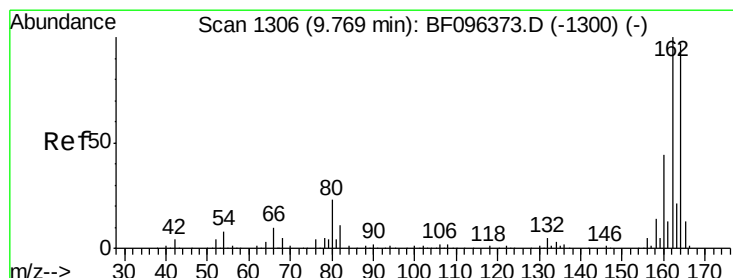
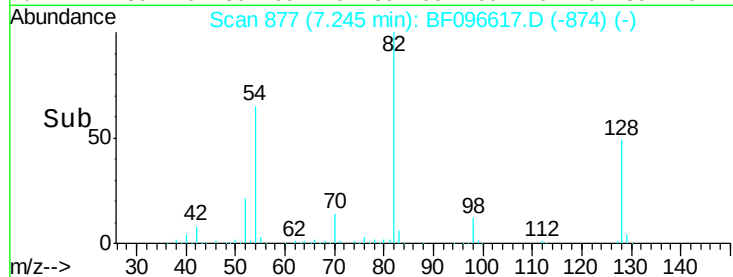
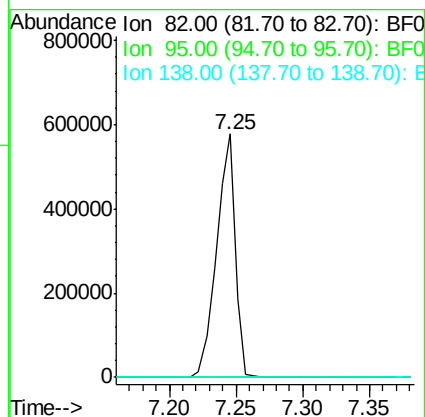
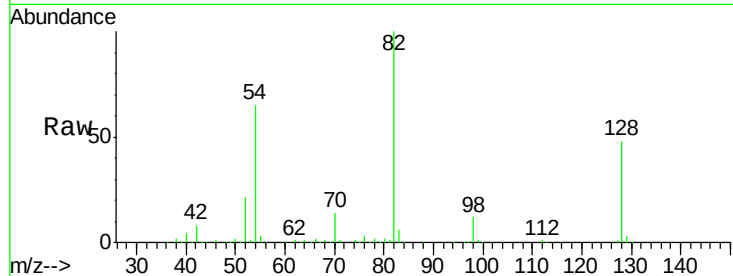
Tot Ion: 82 Resp: 567044

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF096617.D

Acq: 10 Jul 2017 22:43

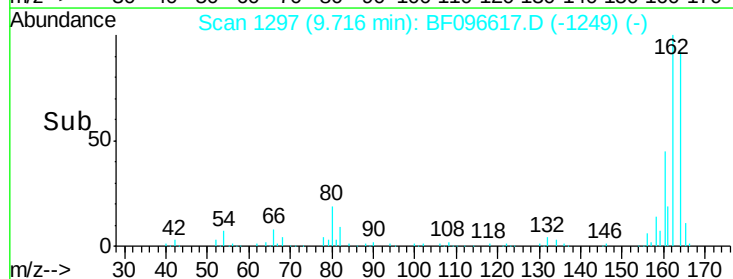
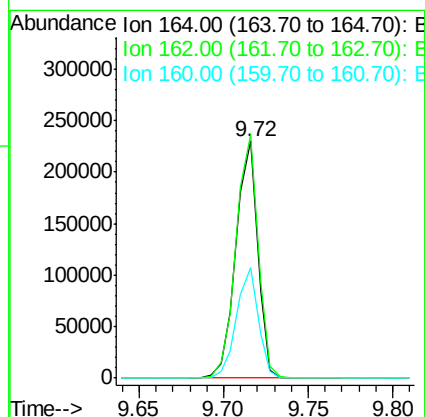
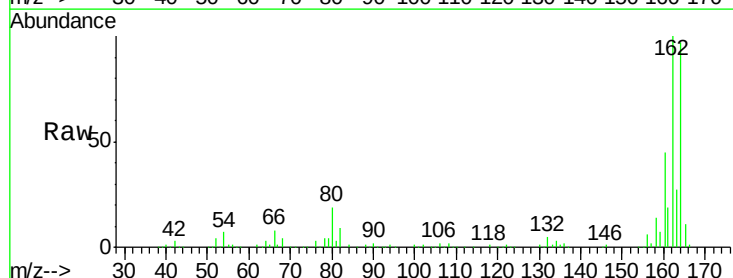
Tgt Ion: 164 Resp: 206193

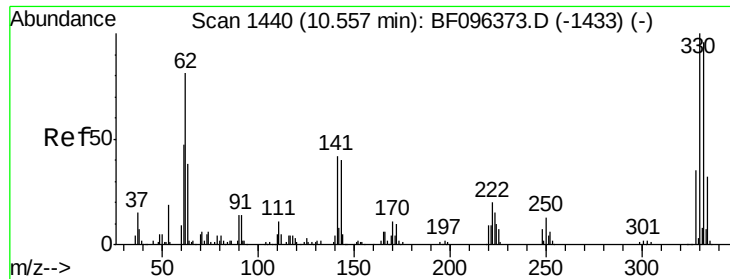
Ion Ratio Lower Upper

164 100

162 102.7 82.6 123.8

160 46.4 36.2 54.2

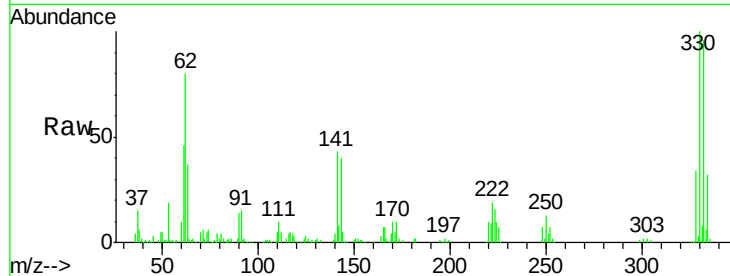




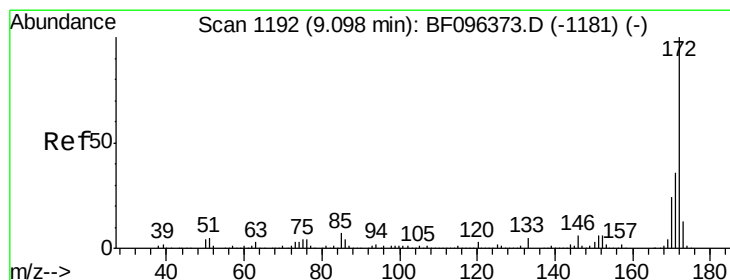
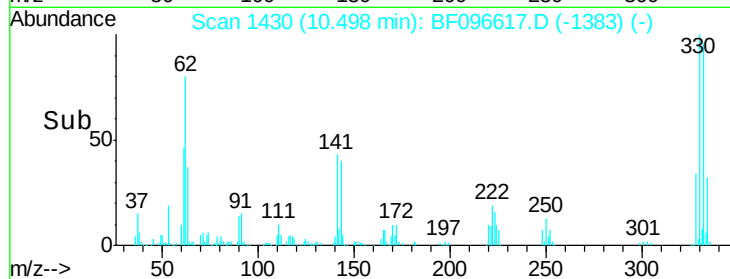
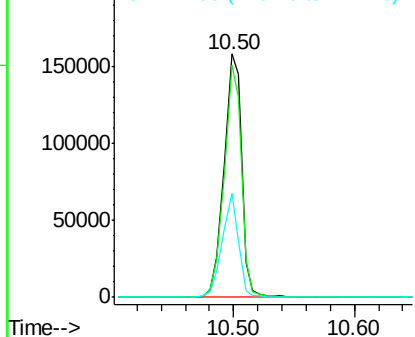
#41
 2,4,6-Tribromophenol
 Concen: 99.99 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF096617.D
 Acq: 10 Jul 2017 22:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 161041
 Ion Ratio Lower Upper
 330 100
 332 93.2 76.6 115.0
 141 39.0 31.4 47.2

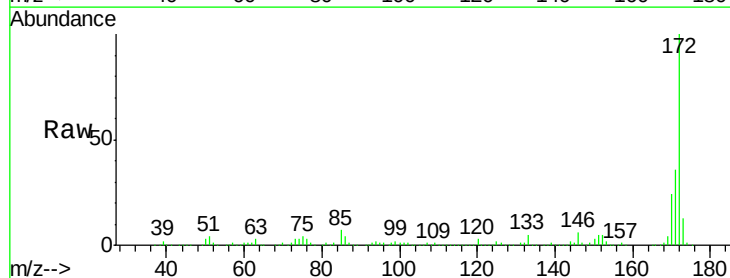


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

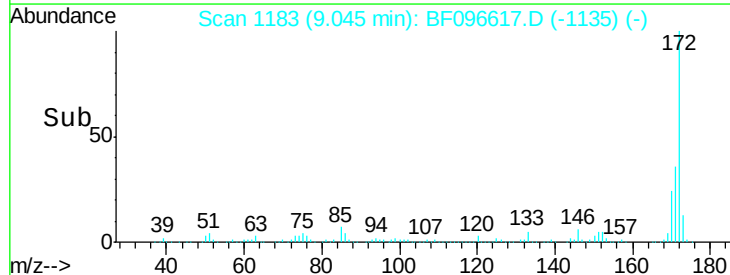
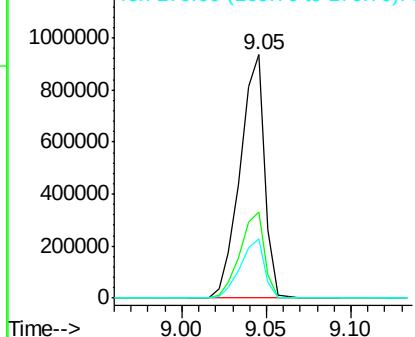


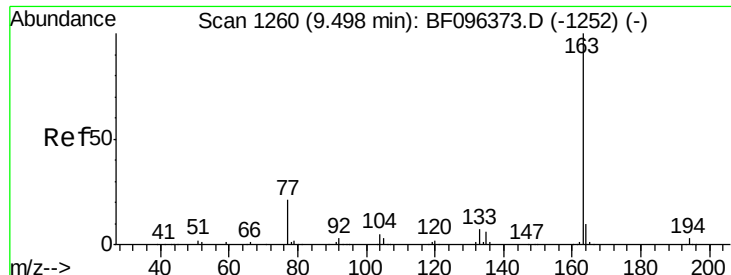
#44
 2-Fluorobiphenyl
 Concen: 78.39 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF096617.D
 Acq: 10 Jul 2017 22:43

Tgt Ion:172 Resp: 945390
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 24.4 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

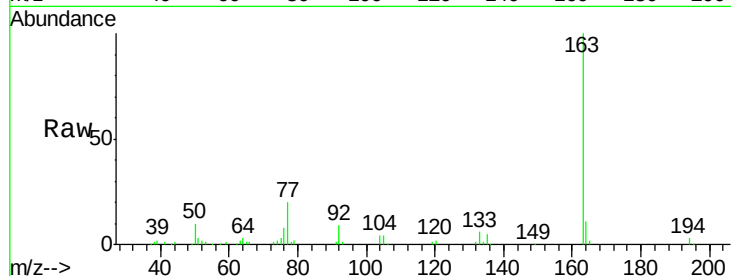




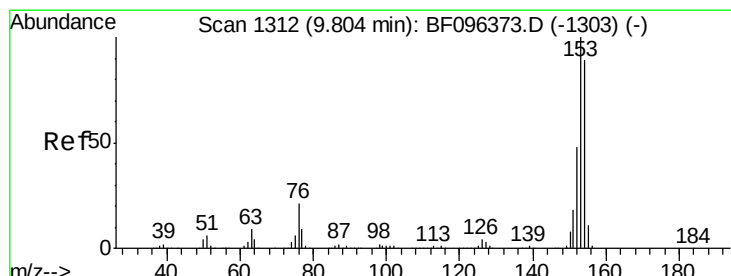
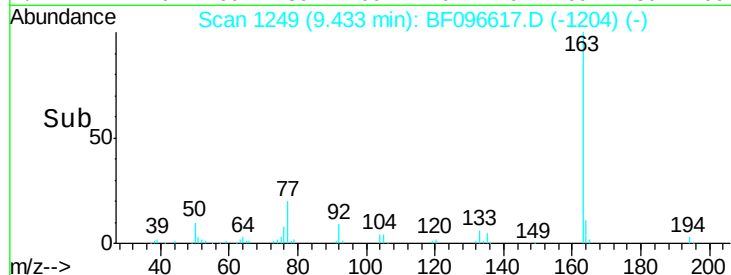
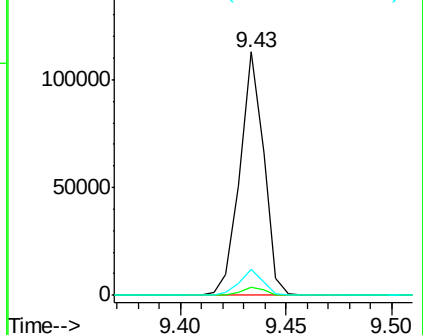
#49
Dimethylphthalate
Concen: 5.77 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.04 min
Lab File: BF096617.D
Acq: 10 Jul 2017 22:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.7	8.4	12.6

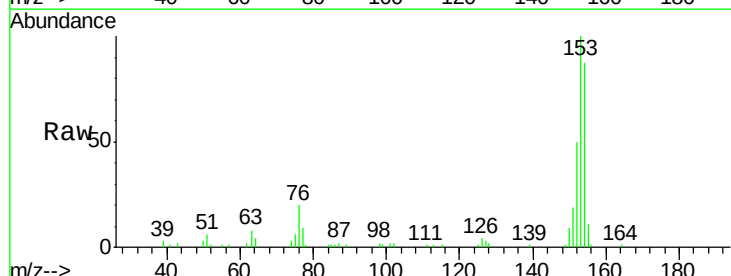


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

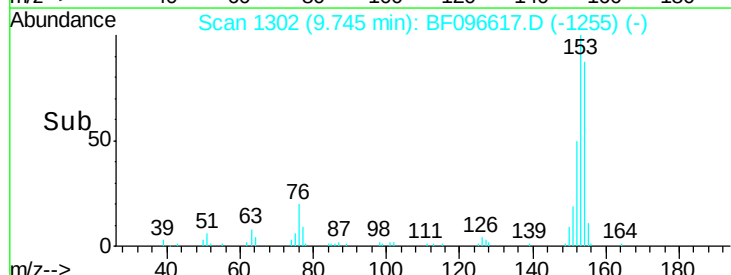
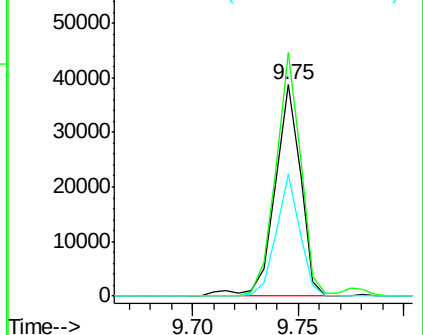


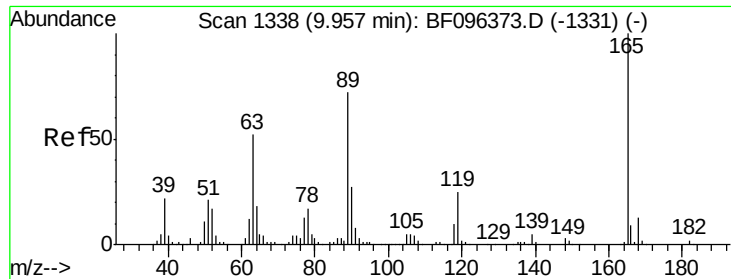
#51
Acenaphthene
Concen: 2.53 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.02 min
Lab File: BF096617.D
Acq: 10 Jul 2017 22:43

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.3	90.5	135.7
152	57.9	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

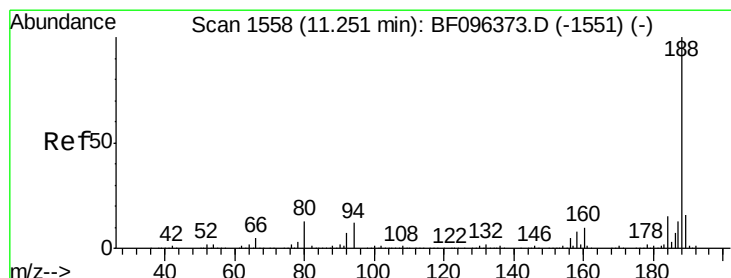
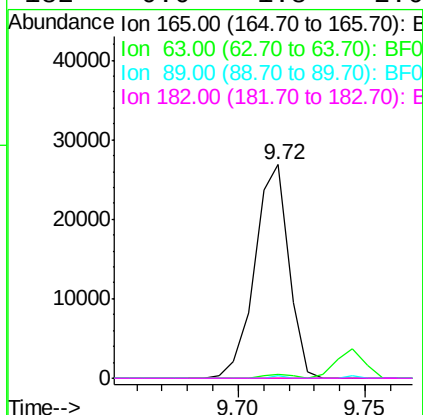
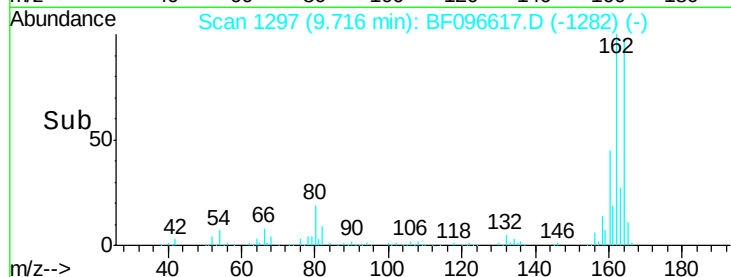
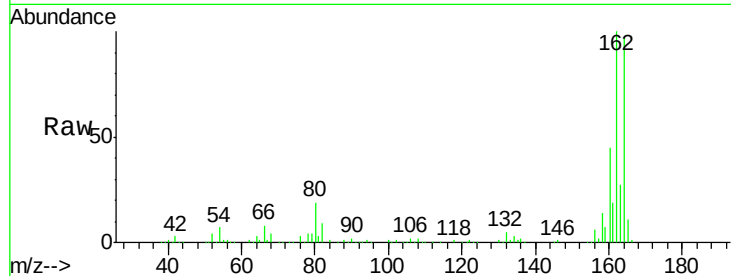




#56
 2,4-Dinitrotoluene
 Concen: 5.85 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.21 min
 Lab File: BF096617.D
 Acq: 10 Jul 2017 22:43

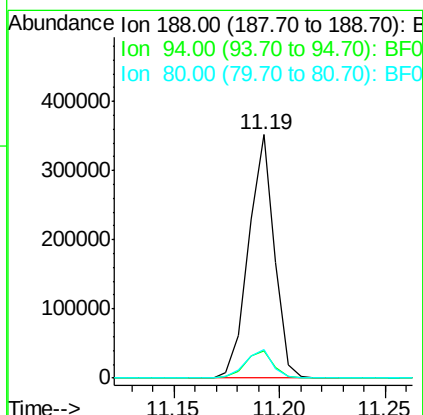
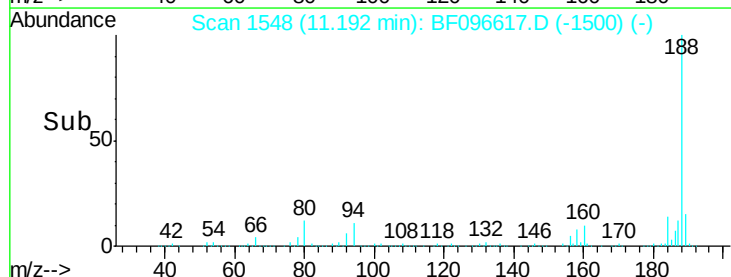
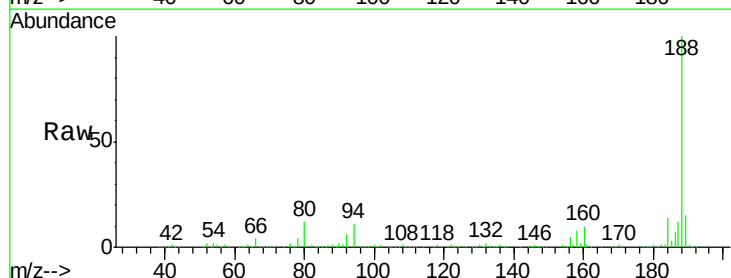
Instrument :
 BNA_F
 ClientSampleId :

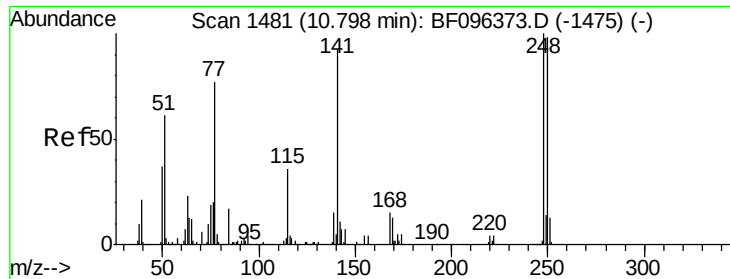
Tot Ion:165	Resp:	25224
Ion Ratio	Lower	Upper
165	100	
63	2.0	25.4 38.0#
89	1.2	46.4 69.6#
182	0.0	1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.02 min
 Lab File: BF096617.D
 Acq: 10 Jul 2017 22:43

Tgt Ion:188	Resp:	297790
Ion Ratio	Lower	Upper
188	100	
94	11.0	9.4 14.2
80	11.8	10.2 15.2

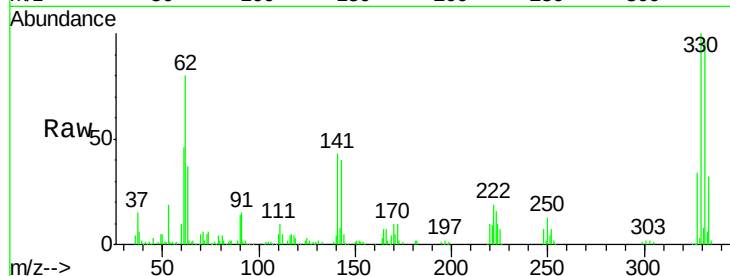




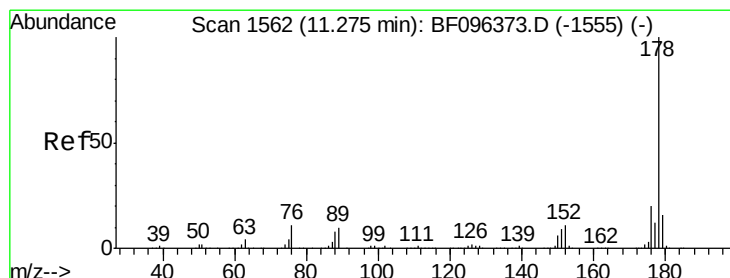
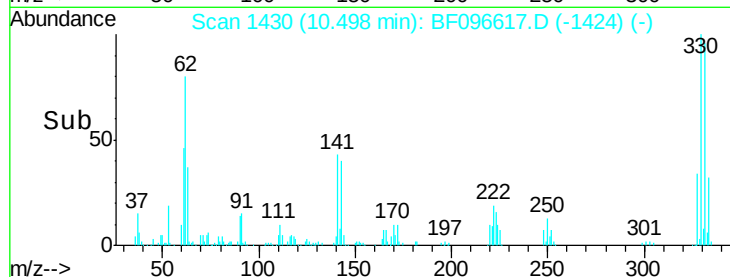
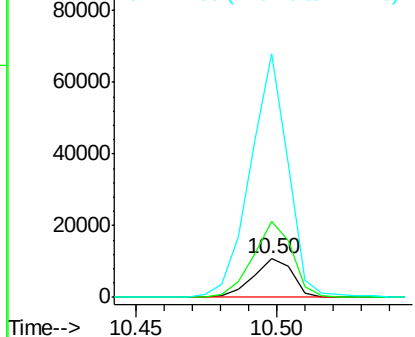
#66
4-Bromophenyl-phenylether
Concen: 3.62 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.26 min
Lab File: BF096617.D
Acq: 10 Jul 2017 22:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10496
Ion Ratio Lower Upper
248 100
250 197.4 76.8 115.2#
141 631.4 68.6 103.0#

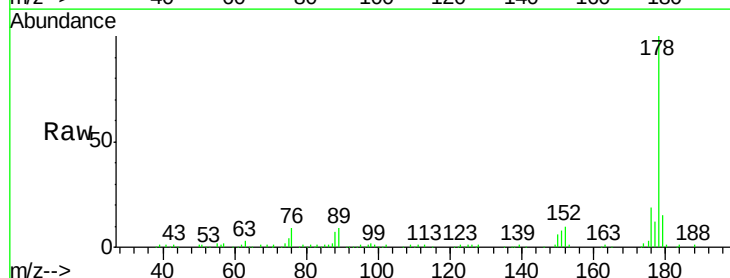


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

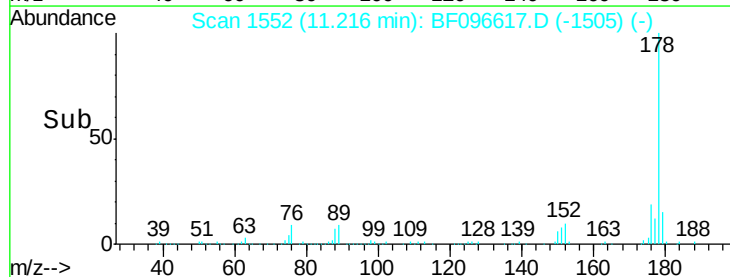
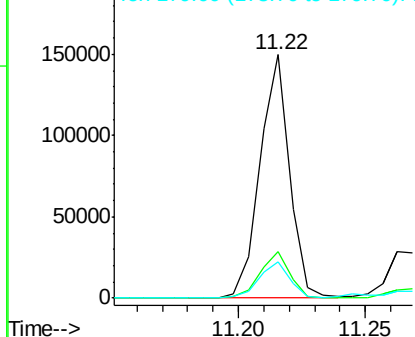


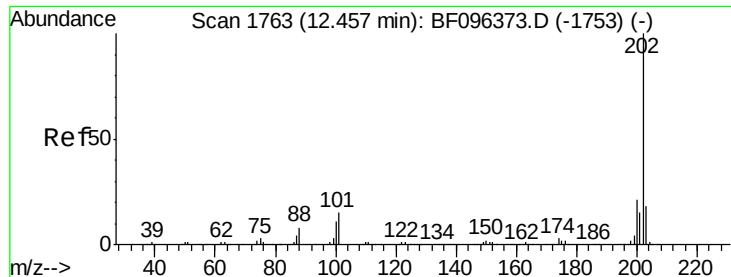
#70
Phenanthrene
Concen: 7.59 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.02 min
Lab File: BF096617.D
Acq: 10 Jul 2017 22:43

Tgt Ion:178 Resp: 122199
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.4
179 15.0 12.6 19.0



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





#74

Fluoranthene

Concen: 8.92 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF096617.D

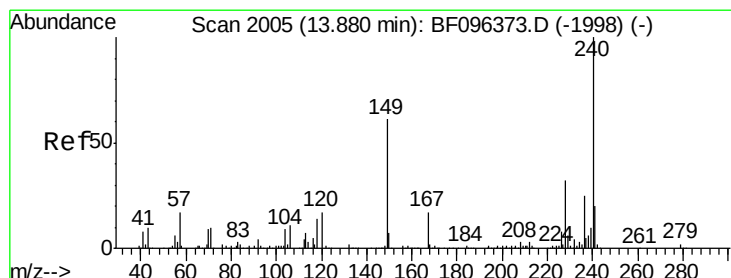
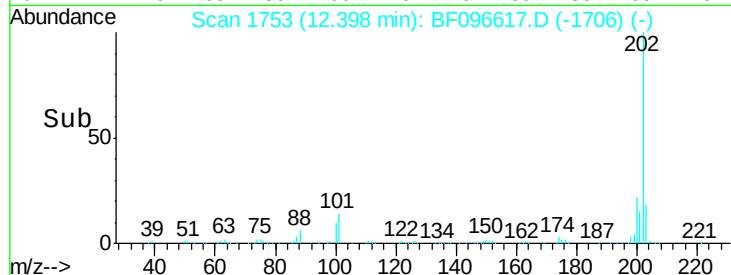
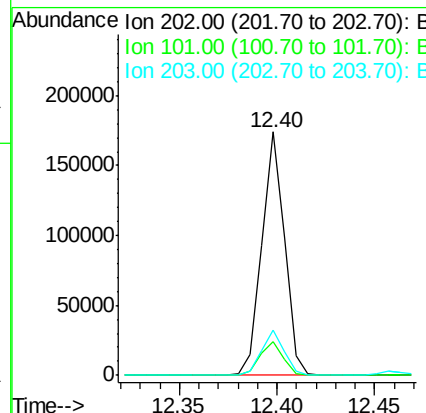
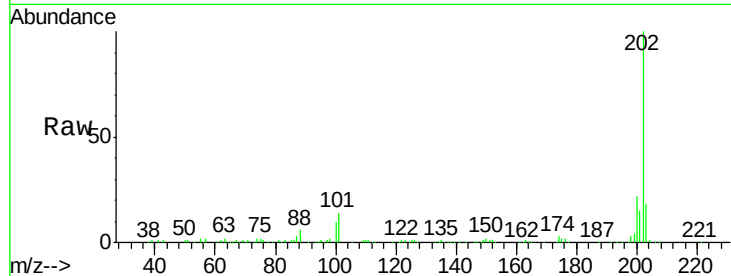
Acq: 10 Jul 2017 22:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	140827
Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.2
203	18.4	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

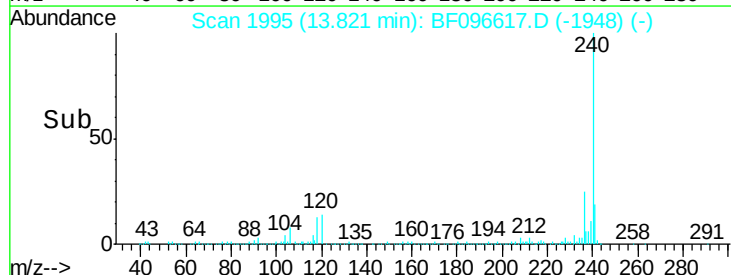
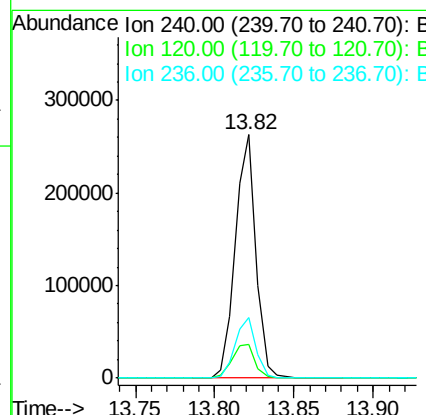
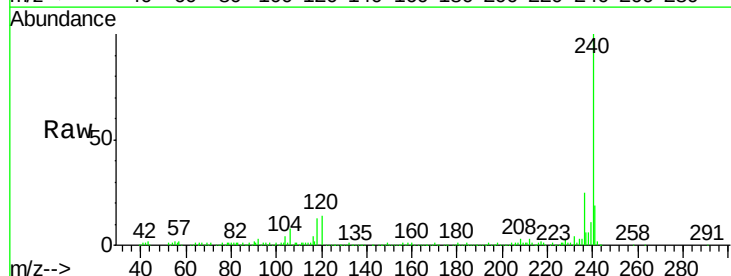
RT: 13.82 min Scan# 1995

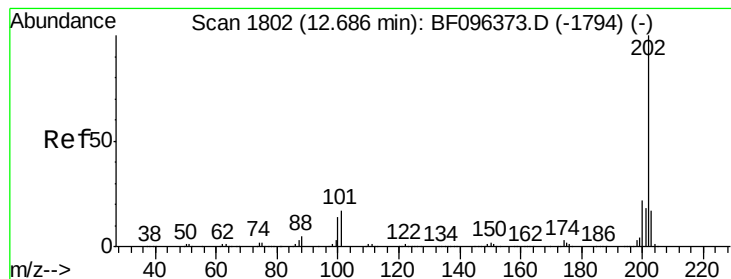
Delta R.T. -0.02 min

Lab File: BF096617.D

Acq: 10 Jul 2017 22:43

Tgt Ion:	240	Resp:	236360
Ion	Ratio	Lower	Upper
240	100		
120	13.6	5.8	8.8#
236	25.0	20.5	30.7





#77

Pvrene

Concen: 5.70 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.03 min

Lab File: BF096617.D

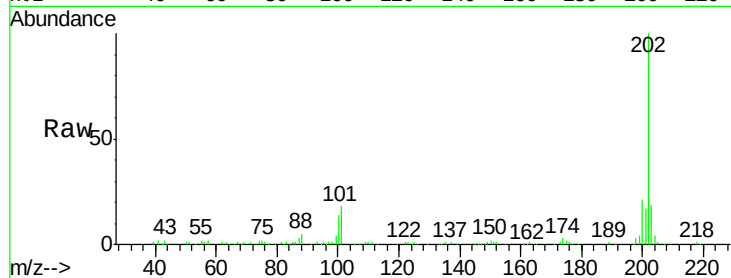
Acq: 10 Jul 2017 22:43

Instrument :

BNA_F

ClientSampled :

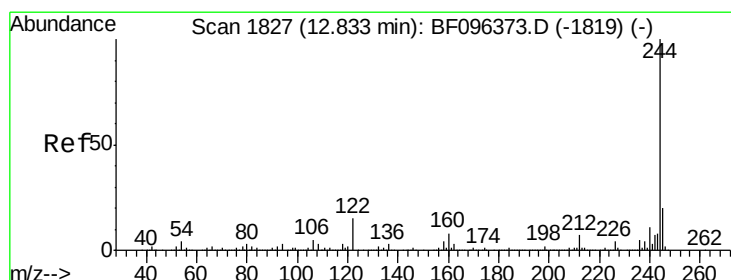
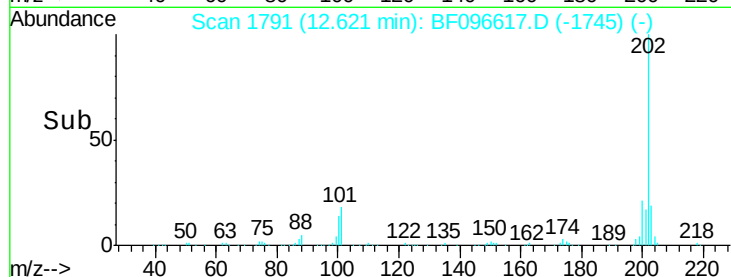
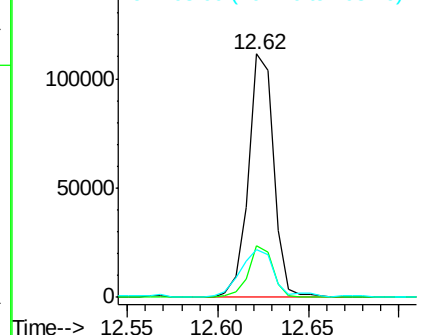
Tot Ion:	202	Resp:	108102
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.6	26.4
203	19.5	14.4	21.6



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: 51.01 ng

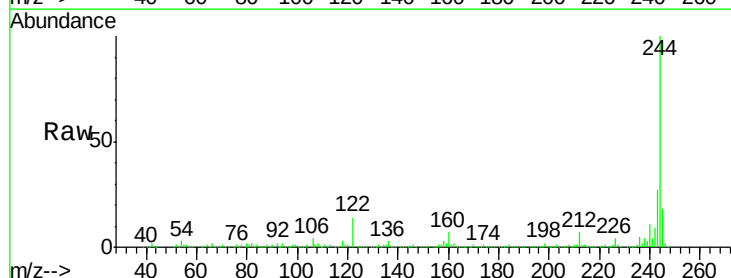
RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF096617.D

Acq: 10 Jul 2017 22:43

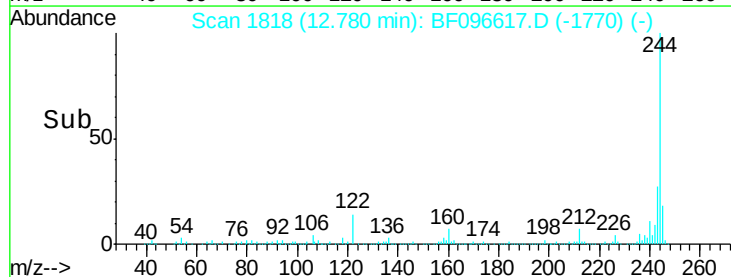
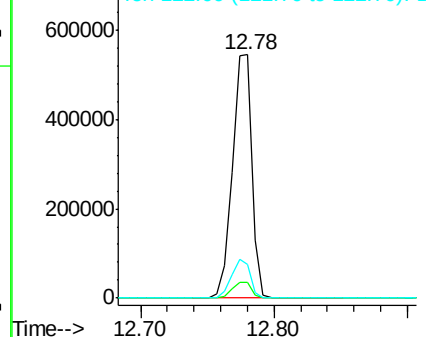
Tgt Ion:	244	Resp:	564194
Ion Ratio	Lower	Upper	
244	100		
212	6.7	6.0	9.0
122	13.6	10.3	15.5

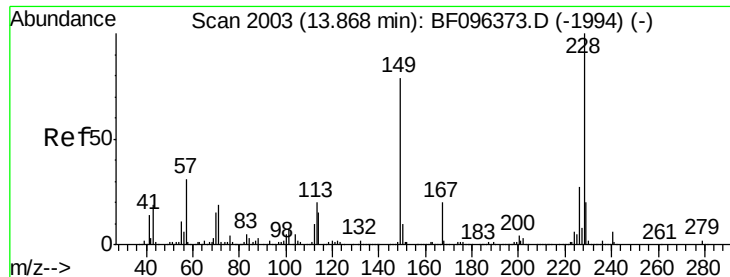


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

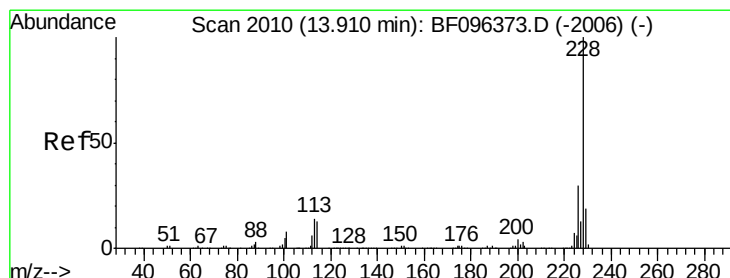
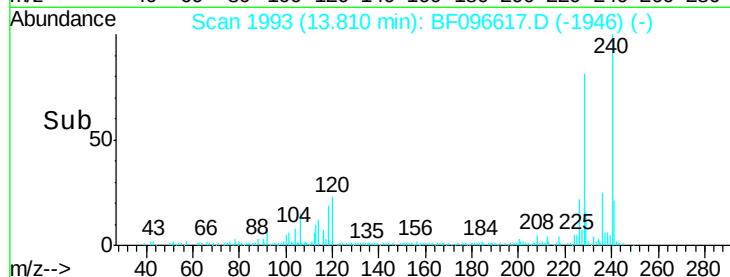
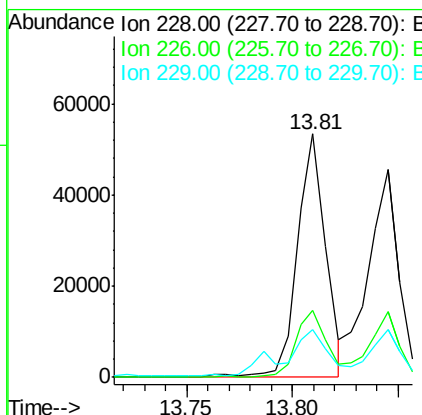
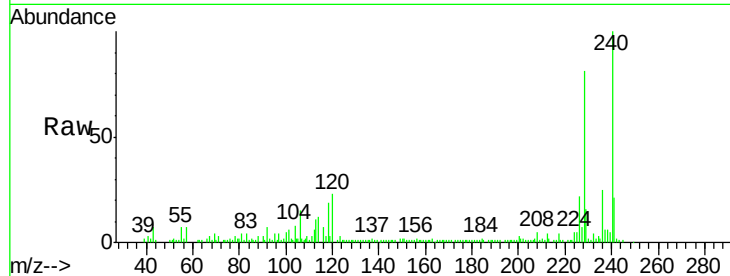




#80
 Benzo(a)anthracene
 Concen: 3.64 ng
 RT: 13.81 min Scan# 1993
 Delta R.T. -0.02 min
 Lab File: BF096617.D
 Acq: 10 Jul 2017 22:43

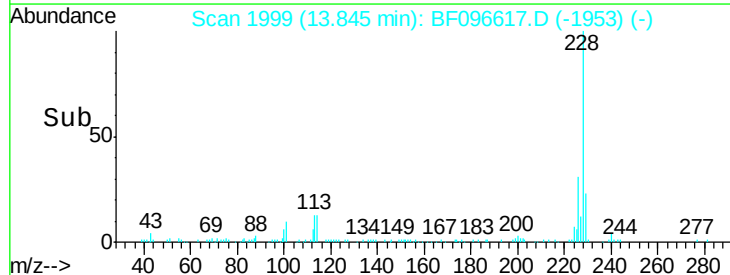
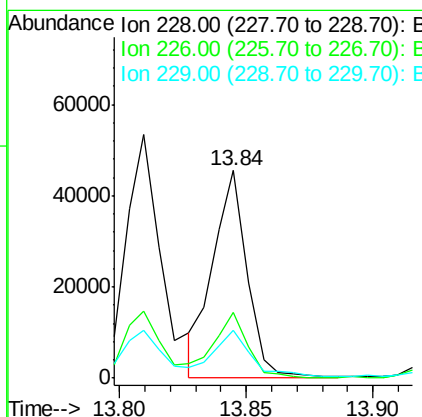
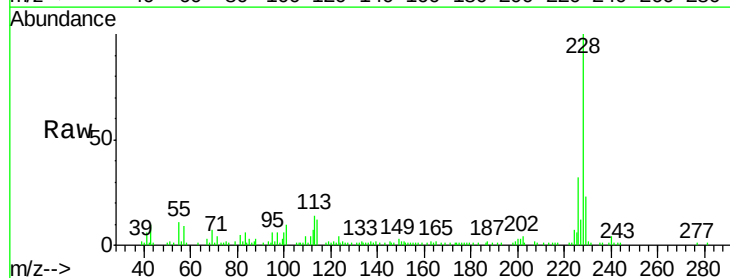
Instrument :
 BNA_F
 ClientSampleId :

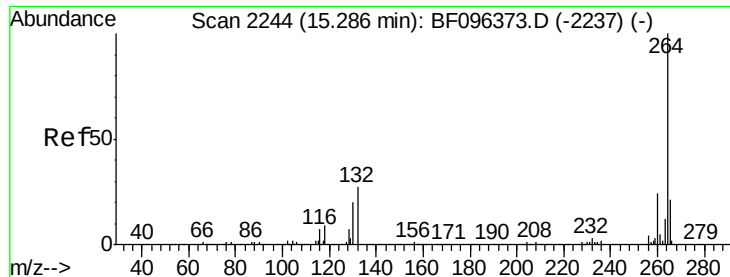
Tot Ion:228	Resp:	49792
Ion Ratio	Lower	Upper
228	100	
226	27.7	22.6 33.8
229	19.5	16.3 24.5



#82
 Chrysene
 Concen: 3.01 ng
 RT: 13.84 min Scan# 1999
 Delta R.T. -0.03 min
 Lab File: BF096617.D
 Acq: 10 Jul 2017 22:43

Tgt Ion:228	Resp:	43091
Ion Ratio	Lower	Upper
228	100	
226	31.7	24.9 37.3
229	23.3	15.8 23.6





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.03 min

Lab File: BF096617.D

Acq: 10 Jul 2017 22:43

Instrument :

BNA_F

ClientSampleId :

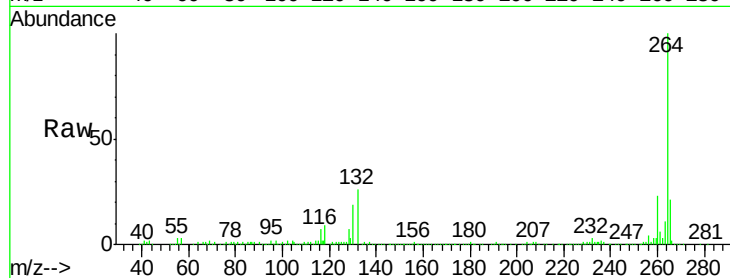
Tot Ion:264 Resp: 230457

Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

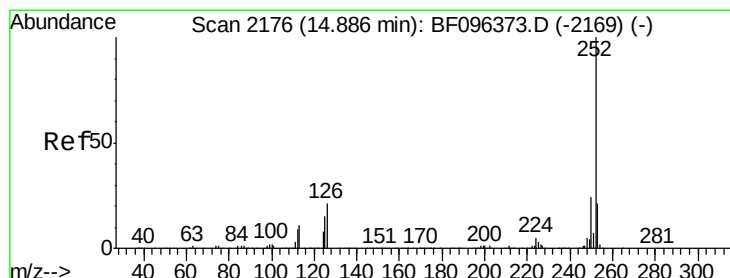
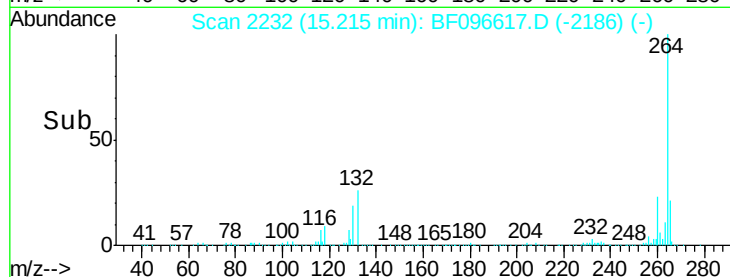
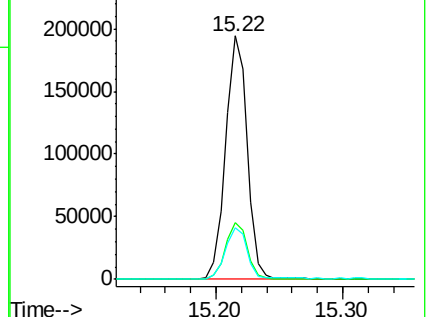
265 21.2 17.2 25.8



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: 5.39 ng

RT: 14.82 min Scan# 2165

Delta R.T. -0.03 min

Lab File: BF096617.D

Acq: 10 Jul 2017 22:43

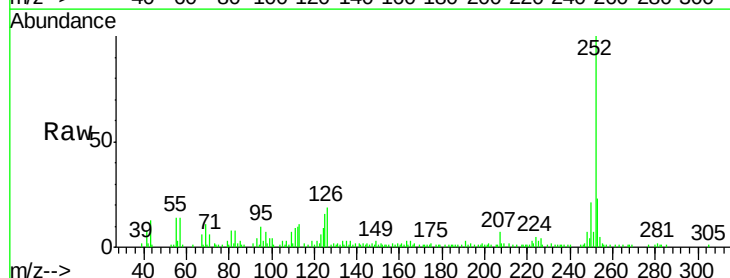
Tgt Ion:252 Resp: 77863

Ion Ratio Lower Upper

252 100

253 23.4 18.1 27.1

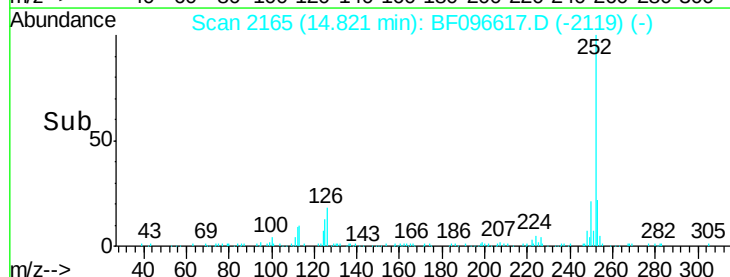
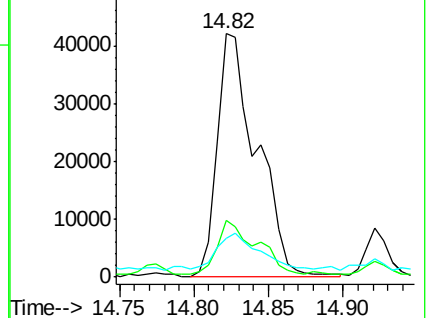
125 16.1 9.8 14.8#

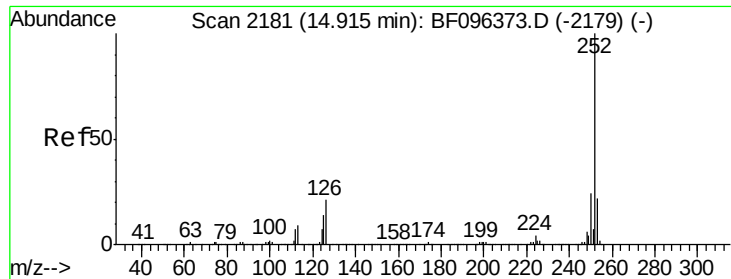


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

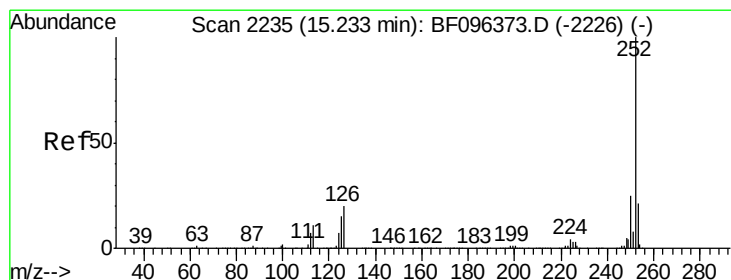
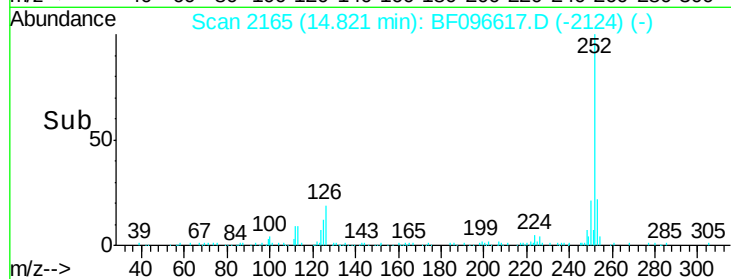
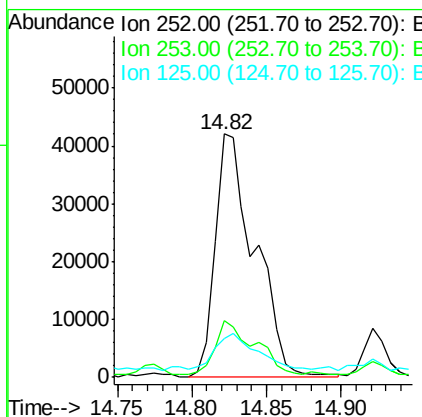
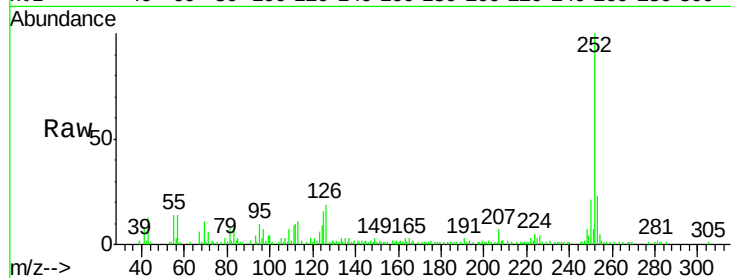




#88
Benzo(k)fluoranthene
Concen: 6.03 ng
RT: 14.82 min Scan# 2165
Delta R.T. -0.06 min
Lab File: BF096617.D
Acq: 10 Jul 2017 22:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 77863
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 16.1 13.1 19.7



#89
Benzo(a)pyrene
Concen: 2.75 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.04 min
Lab File: BF096617.D
Acq: 10 Jul 2017 22:43

Tgt Ion:252 Resp: 35517
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 16.4 11.0 16.4

