

Data File : BF096954.D
Acq On : 21 Jul 2017 19:59
Operator : SJ/JU
Sample : I4352-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-001-C

Quant Time: Jul 21 23:14:36 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	6.56	152	111650	20.00	ng	-0.04
21) Naphthalene-d8	7.83	136	459613	20.00	ng	-0.05
38) Acenaphthene-d10	9.58	164	166899	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	253723	20.00	ng	-0.05
75) Chrysene-d12	13.69	240	209852	20.00	ng	-0.05
86) Perylene-d12	15.05	264	215969	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	915081	123.23	ng	-0.03
7) Phenol-d6	6.22	99	1104350	123.93	ng	-0.03
23) Nitrobenzene-d5	7.12	82	642247	86.55	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	176747	124.07	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	883739	83.66	ng	-0.05
78) Terphenyl-d14	12.65	244	561436	46.40	ng	-0.05

Target Compounds						Qvalue
10) Phenol	6.23	94	59384	5.90	ng	97
15) Benzyl Alcohol	6.71	79	12363	2.12	ng	# 47
19) n-Nitroso-di-n-propylamine	7.12	70	88044	16.40	ng	# 86
25) Isophorone	7.12	82	636962	46.14	ng	# 67
49) Dimethylphthalate	9.31	163	146575	11.66	ng	99
56) 2,4-Dinitrotoluene	9.58	165	21508	6.15	ng	# 34
66) 4-Bromophenyl-phenylether	10.37	248	10794	4.17	ng	# 1
70) Phenanthrene	11.08	178	59546	4.32	ng	96
74) Fluoranthene	12.26	202	80574	6.10	ng	99
77) Pyrene	12.49	202	66811	3.51	ng	97
80) Benzo(a)anthracene	13.67	228	33447	2.56	ng	96
82) Chrysene	13.67	228	33447	2.60	ng	98
85) Indeno(1,2,3-cd)pyrene	16.31	276	13772	4.44	ng	95
87) Benzo(b)fluoranthene	14.68	252	46425	3.56	ng	# 93
88) Benzo(k)fluoranthene	14.68	252	46425	3.76	ng	98
89) Benzo(a)pyrene	14.99	252	24039	2.01	ng	# 94

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

Data File : BF096954.D

Acq On : 21 Jul 2017 19:59

Operator : SJ/JU

Sample : I4352-05

Misc :

ALS Vial : 19 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-001-C

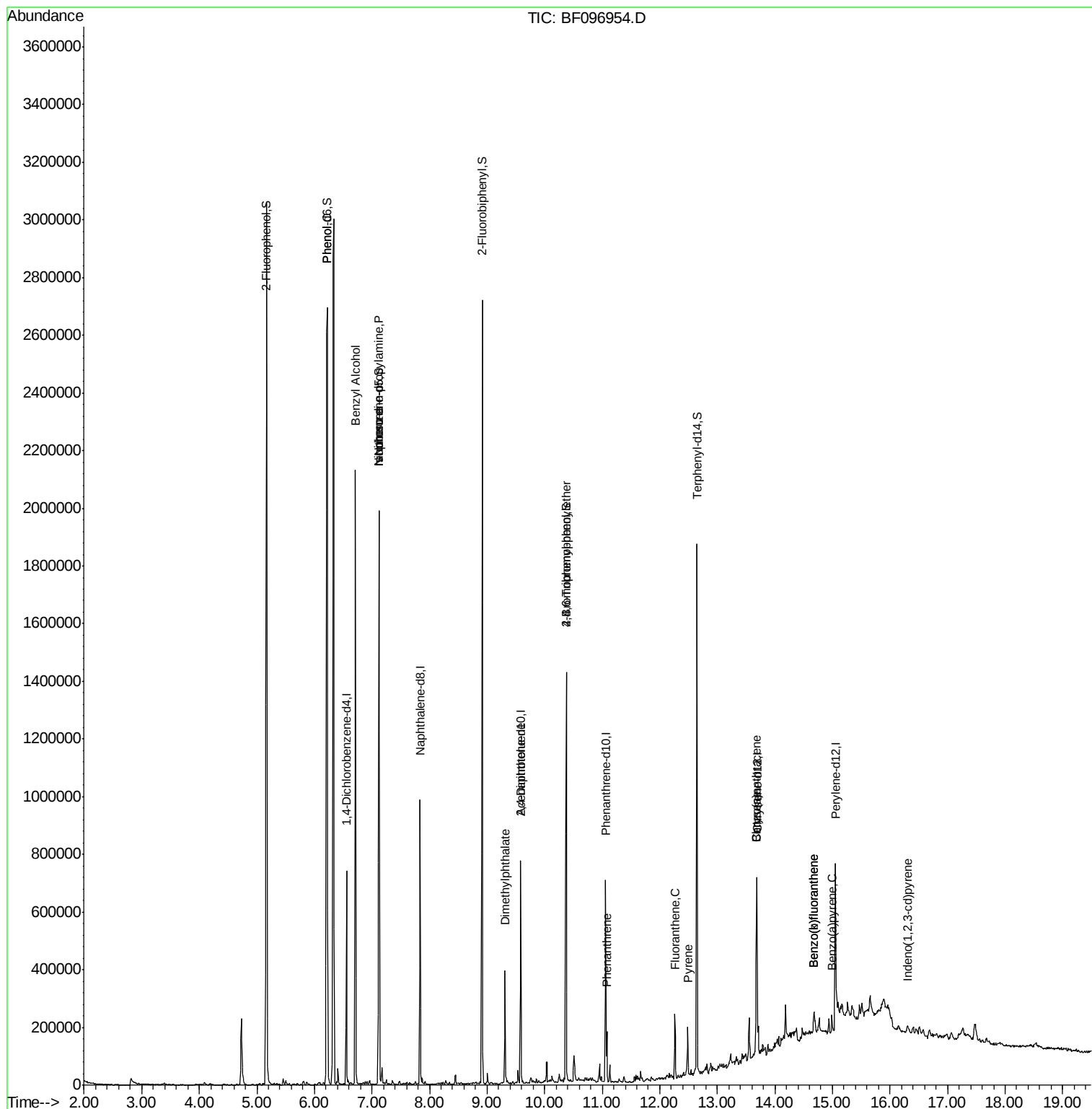
Quant Time: Jul 21 23:14:36 2017

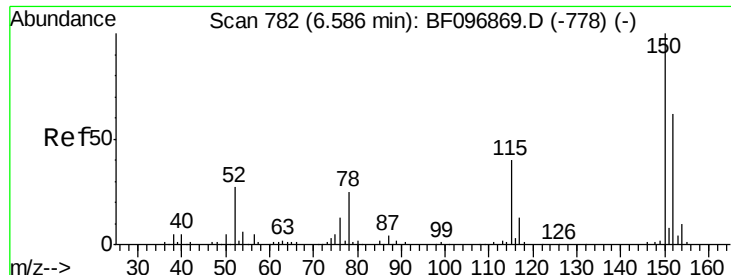
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jul 18 13:33:22 2017

Response via : Initial Calibration

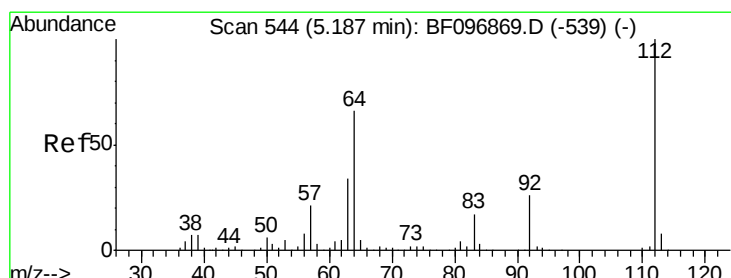
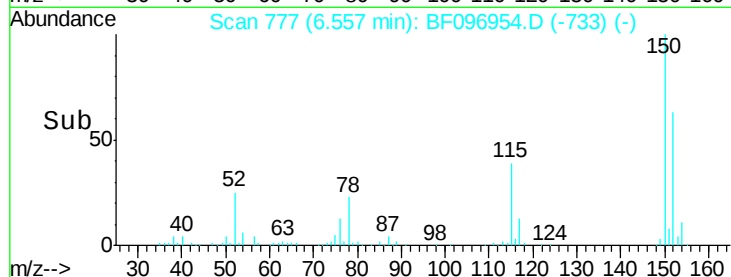
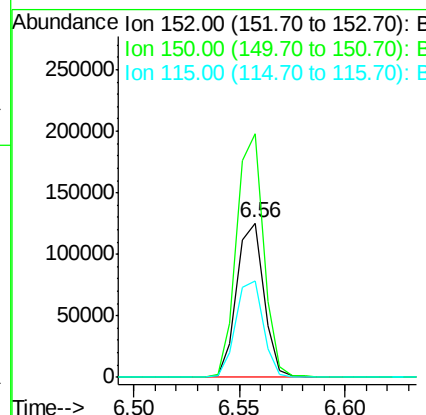
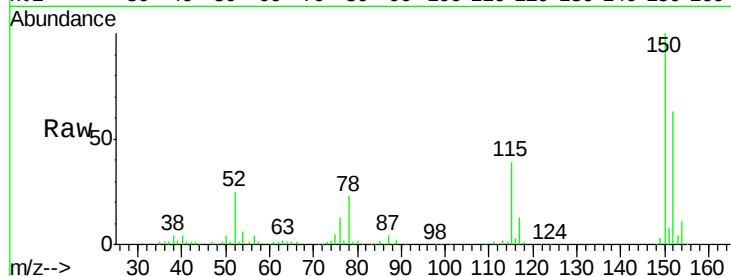




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.56 min Scan# 777
 Delta R.T. -0.04 min
 Lab File: BF096954.D
 Acq: 21 Jul 2017 19:59

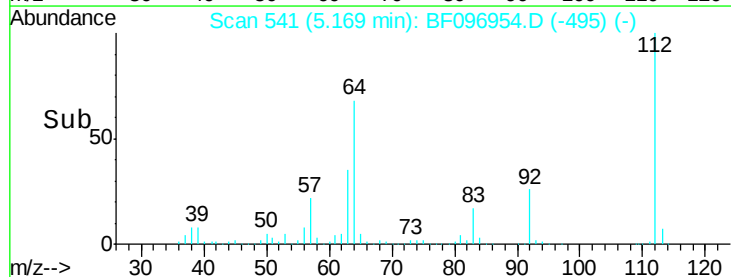
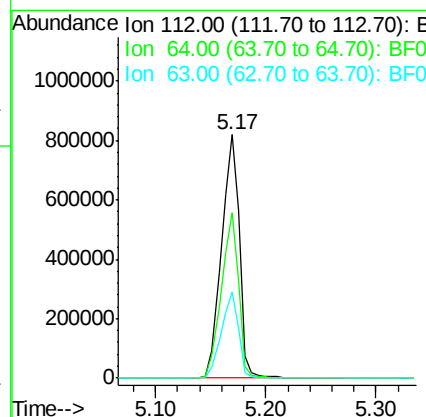
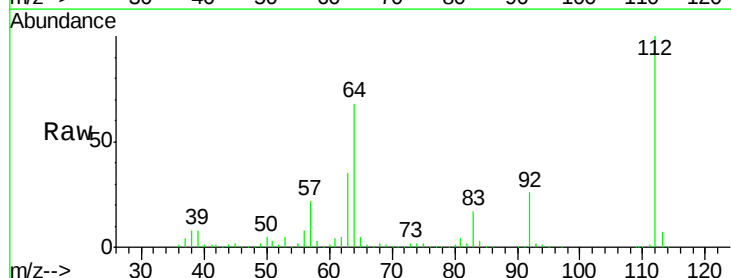
Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-001-C

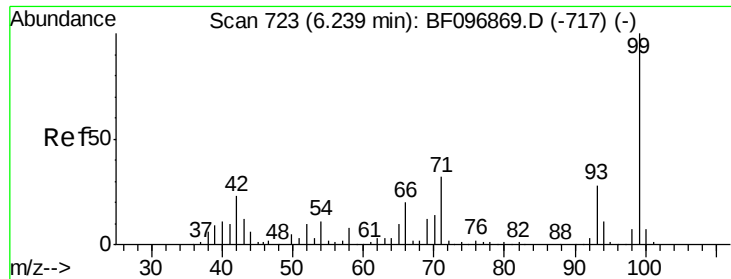
Tgt Ion:152 Resp: 111650
 Ion Ratio Lower Upper
 152 100
 150 157.5 126.2 189.2
 115 62.1 52.2 78.2



#5
 2-Fluorophenol
 Concen: 123.23 ng
 RT: 5.17 min Scan# 541
 Delta R.T. -0.03 min
 Lab File: BF096954.D
 Acq: 21 Jul 2017 19:59

Tgt Ion:112 Resp: 915081
 Ion Ratio Lower Upper
 112 100
 64 67.9 46.0 69.0
 63 35.2 23.4 35.0#





#7

Phenol-d6

Concen: 123.93 ng

RT: 6.22 min Scan# 720

Delta R.T. -0.03 min

Lab File: BF096954.D

Acq: 21 Jul 2017 19:59

Instrument :

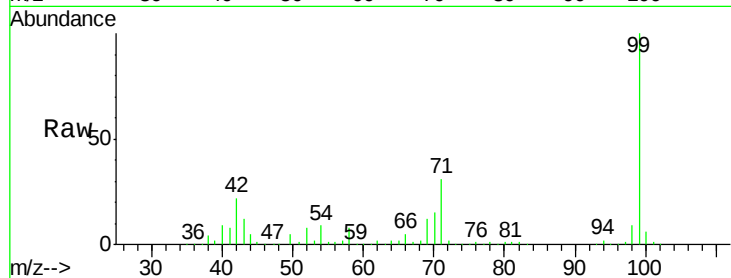
BNA_F

ClientSampleId :

FK-SF-03-001-C

Tgt Ion: 99 Resp: 1104350

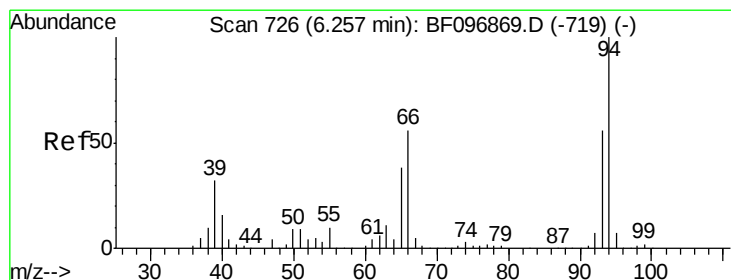
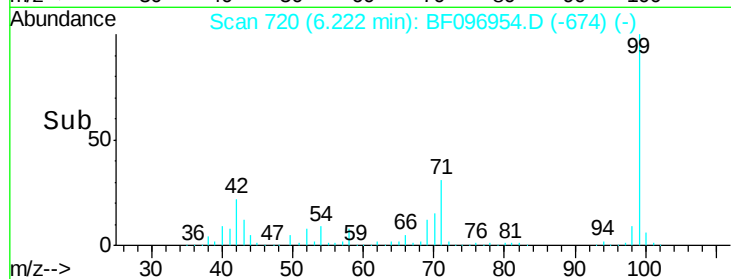
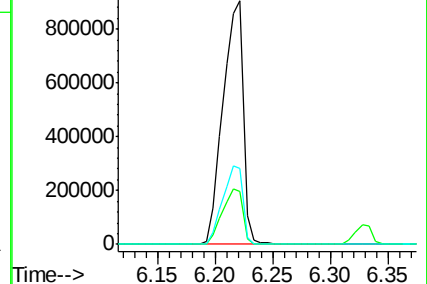
Ion	Ratio	Lower	Upper
99	100		
42	21.5	13.5	20.3#
71	31.3	24.5	36.7



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: 5.90 ng

RT: 6.23 min Scan# 721

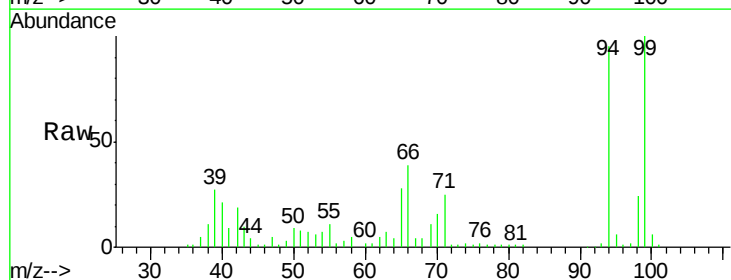
Delta R.T. -0.04 min

Lab File: BF096954.D

Acq: 21 Jul 2017 19:59

Tgt Ion: 94 Resp: 59384

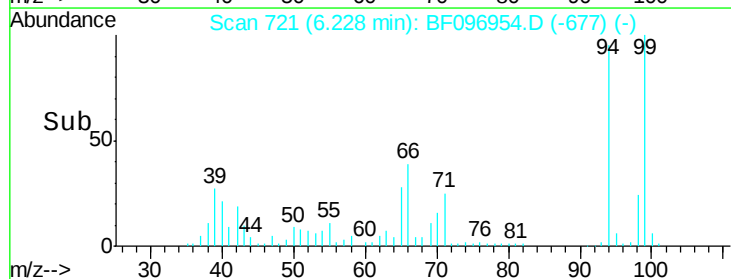
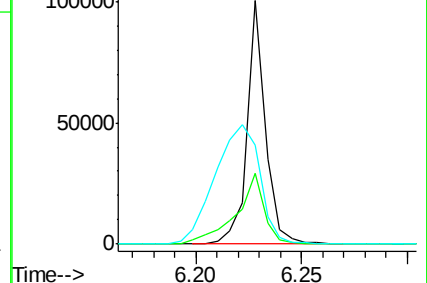
Ion	Ratio	Lower	Upper
94	100		
65	29.3	9.9	49.9
66	40.4	23.1	63.1

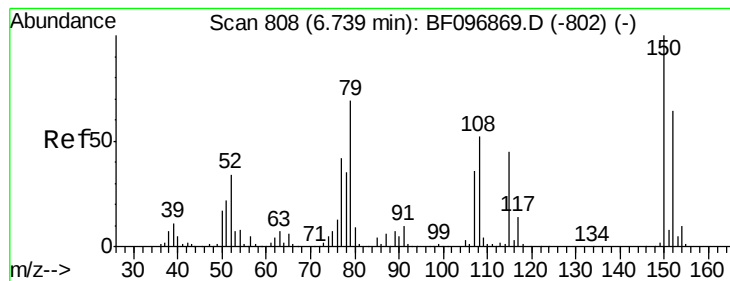


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.12 ng

RT: 6.71 min Scan# 803

Delta R.T. -0.04 min

Lab File: BF096954.D

Acq: 21 Jul 2017 19:59

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-001-C

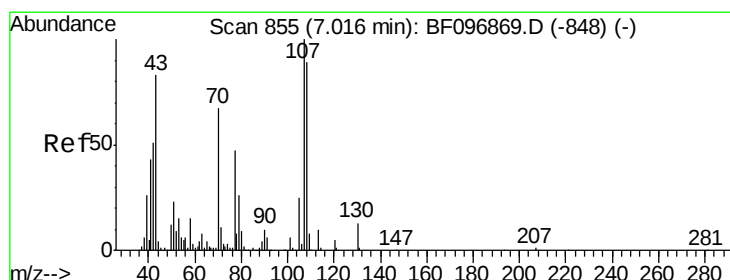
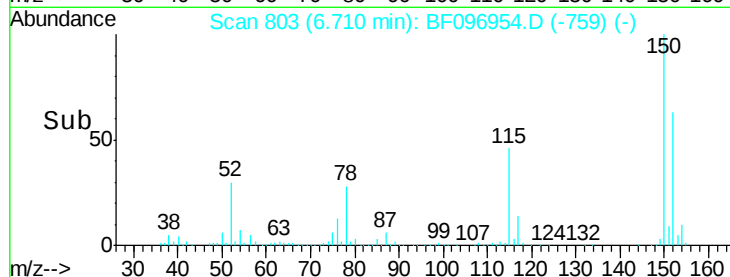
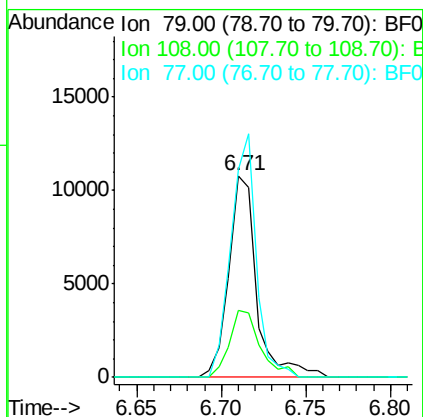
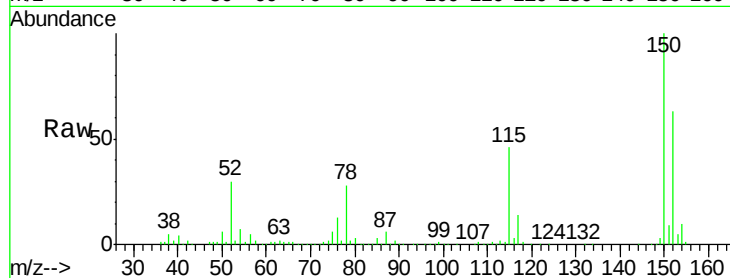
Tgt Ion: 79 Resp: 12363

Ion Ratio Lower Upper

79 100

108 33.1 63.4 95.0#

77 103.0 49.2 73.8#



#19

n-Nitroso-di-n-propylamine

Concen: 16.40 ng

RT: 7.12 min Scan# 873

Delta R.T. 0.09 min

Lab File: BF096954.D

Acq: 21 Jul 2017 19:59

Tgt Ion: 70 Resp: 88044

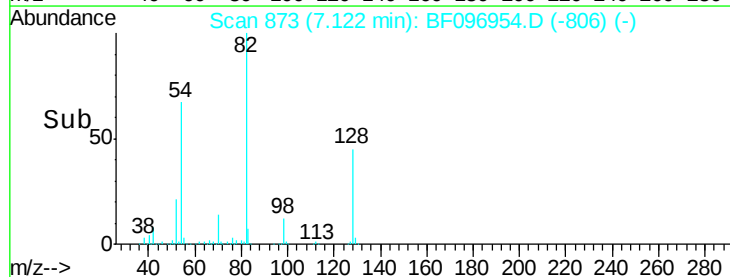
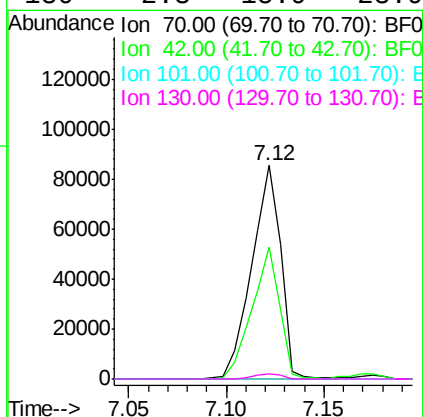
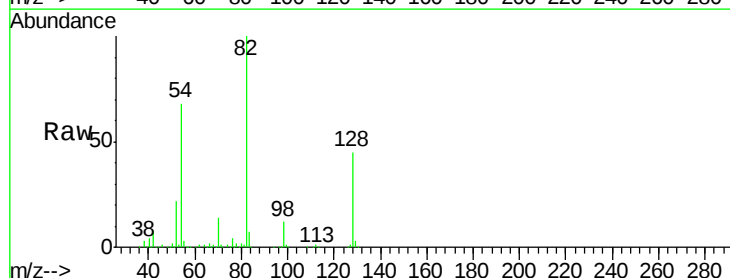
Ion Ratio Lower Upper

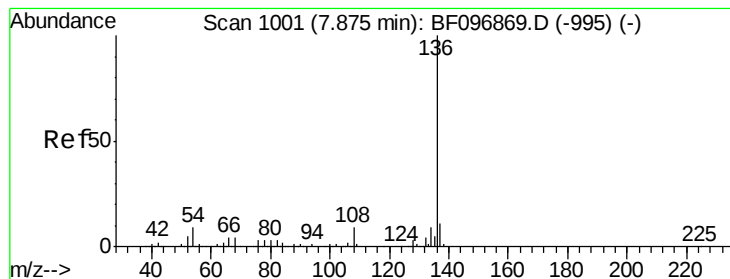
70 100

42 61.9 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.83 min Scan# 994

Delta R.T. -0.05 min

Lab File: BF096954.D

Acq: 21 Jul 2017 19:59

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-001-C

Tgt Ion: 136 Resp: 459613

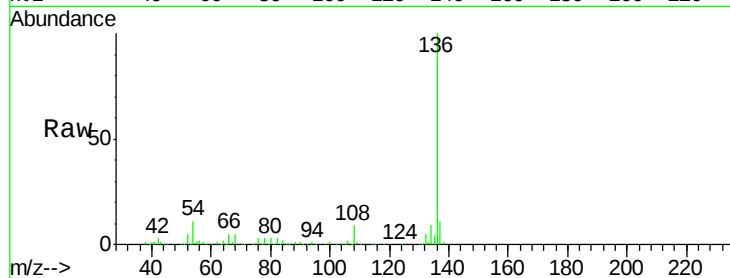
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 10.6 4.9 7.3#

68 5.4 4.1 6.1

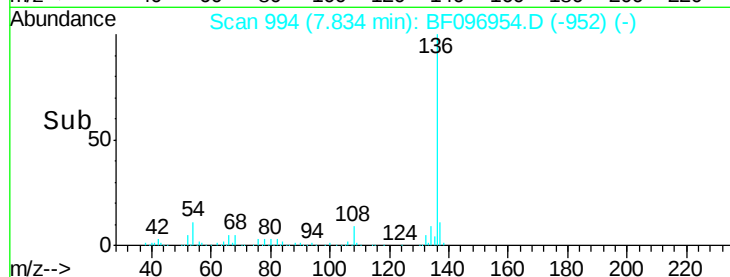


Abundance Ion 136.00 (135.70 to 136.70): E

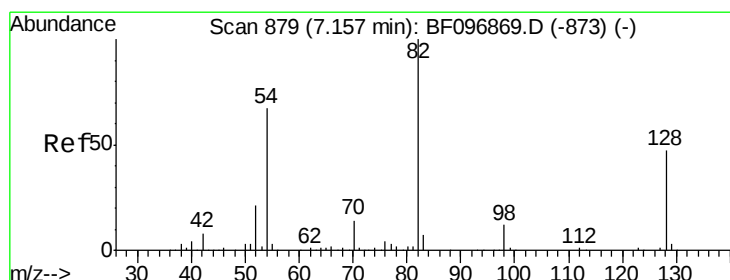
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 7.75 7.80 7.85 7.90 7.95



#23

Nitrobenzene-d5

Concen: 86.55 ng

RT: 7.12 min Scan# 873

Delta R.T. -0.05 min

Lab File: BF096954.D

Acq: 21 Jul 2017 19:59

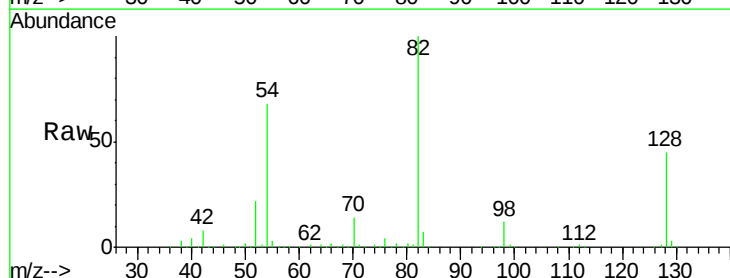
Tgt Ion: 82 Resp: 642247

Ion Ratio Lower Upper

82 100

128 45.4 34.0 51.0

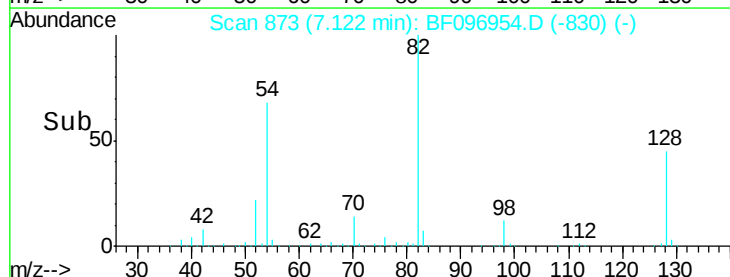
54 67.5 42.2 63.2#



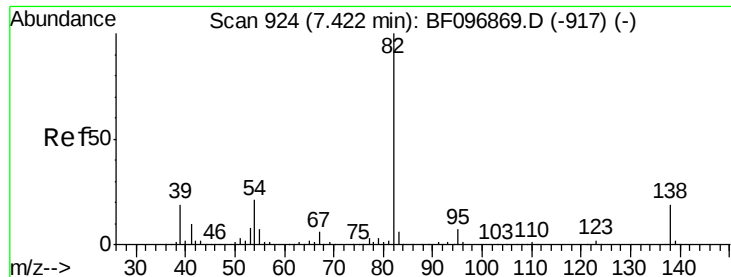
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time--> 7.10 7.20



#25

Isophorone

Concen: 46.14 ng

RT: 7.12 min Scan# 873

Delta R.T. -0.31 min

Lab File: BF096954.D

Acq: 21 Jul 2017 19:59

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-001-C

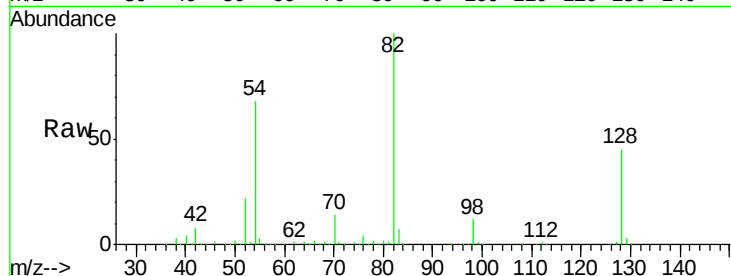
Tgt Ion: 82 Resp: 636962

Ion Ratio Lower Upper

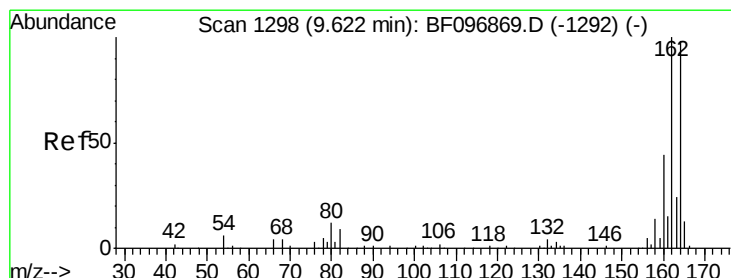
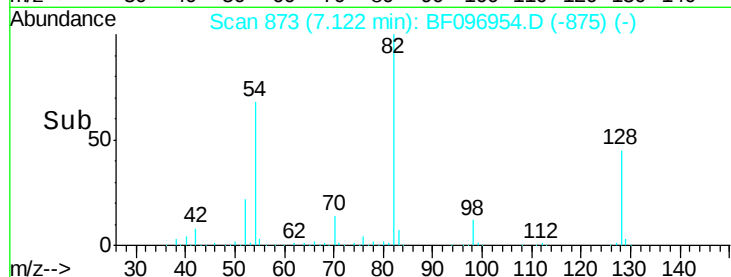
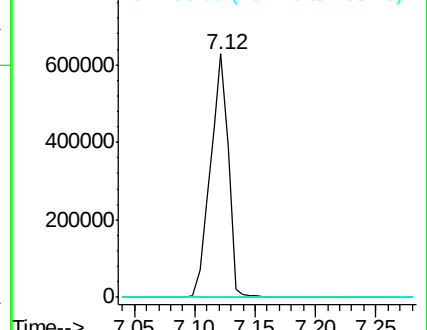
82 100

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: 9.58 min Scan# 1291

Delta R.T. -0.05 min

Lab File: BF096954.D

Acq: 21 Jul 2017 19:59

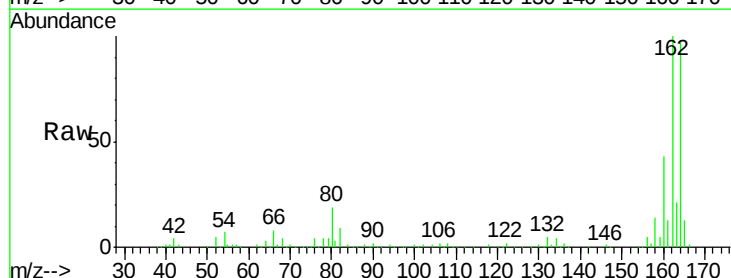
Tgt Ion: 164 Resp: 166899

Ion Ratio Lower Upper

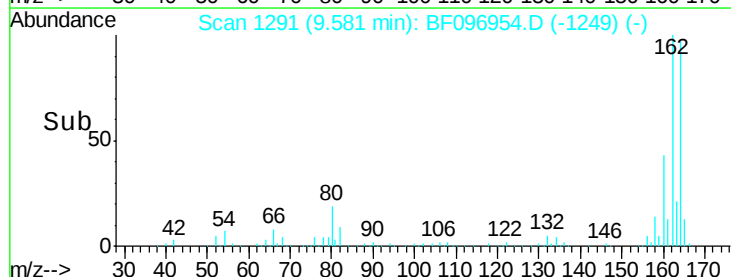
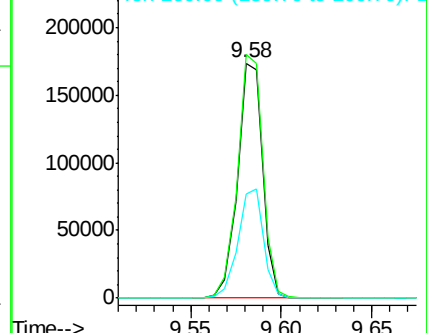
164 100

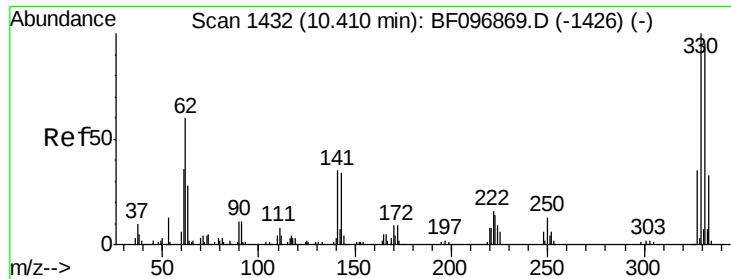
162 103.6 82.6 123.8

160 44.2 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

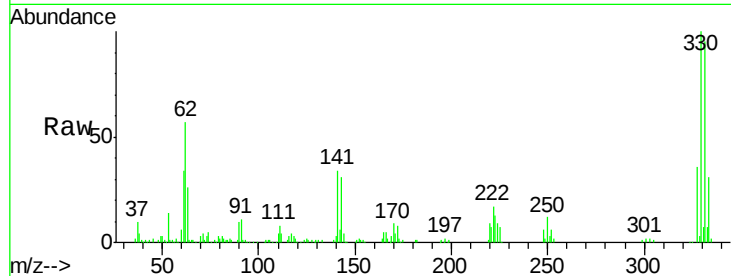




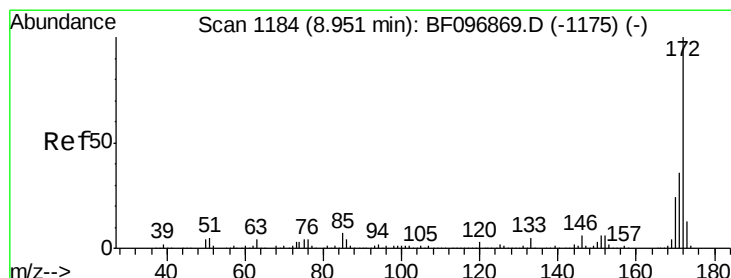
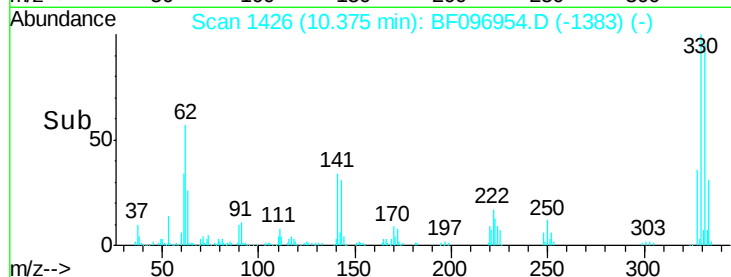
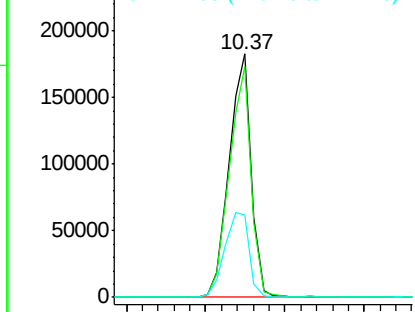
#41
 2,4,6-Tribromophenol
 Concen: 124.07 ng
 RT: 10.37 min Scan# 1426
 Delta R.T. -0.05 min
 Lab File: BF096954.D
 Acq: 21 Jul 2017 19:59

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-001-C

Tgt Ion: 330 Resp: 176747
 Ion Ratio Lower Upper
 330 100
 332 93.6 76.6 115.0
 141 38.5 31.4 47.2

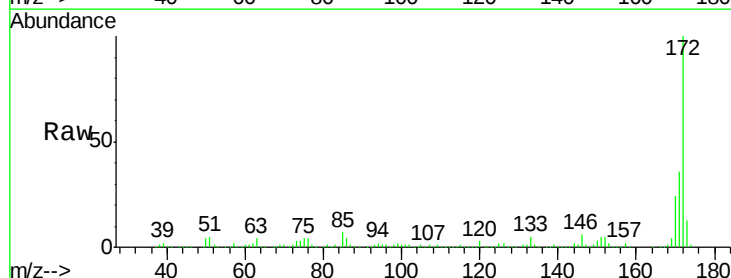


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

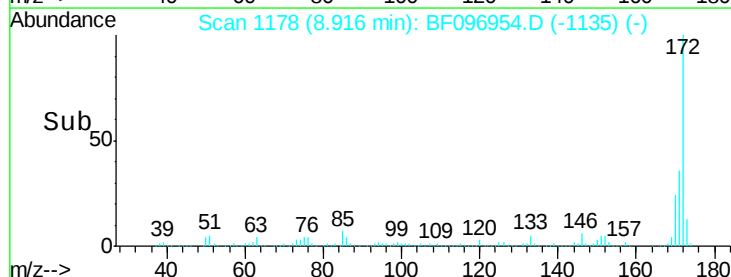
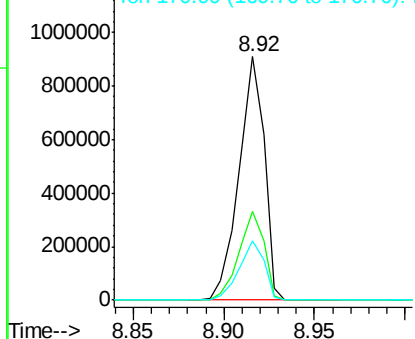


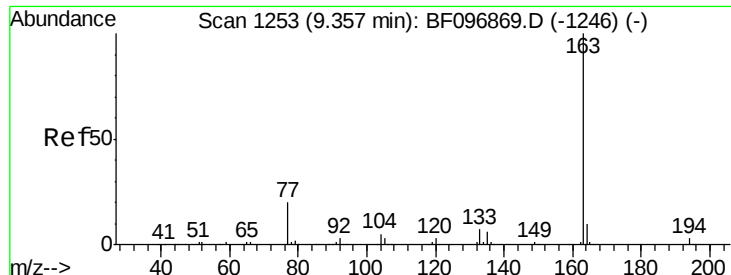
#44
 2-Fluorobiphenyl
 Concen: 83.66 ng
 RT: 8.92 min Scan# 1178
 Delta R.T. -0.05 min
 Lab File: BF096954.D
 Acq: 21 Jul 2017 19:59

Tgt Ion: 172 Resp: 883739
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 24.1 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

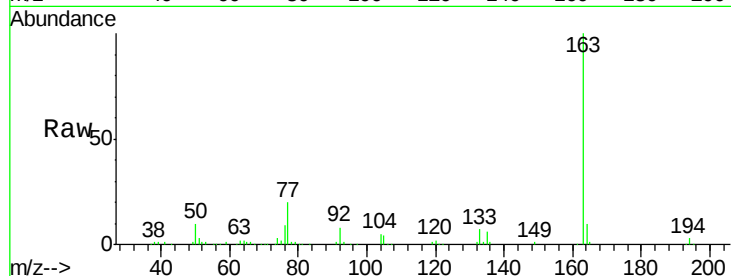




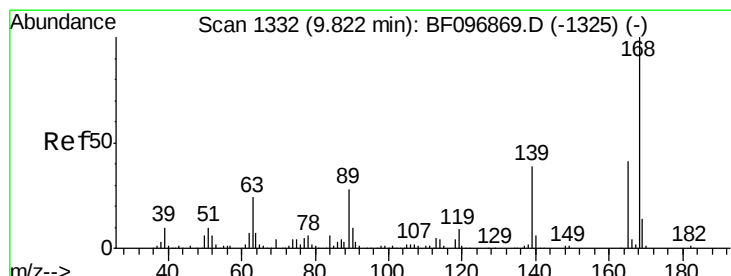
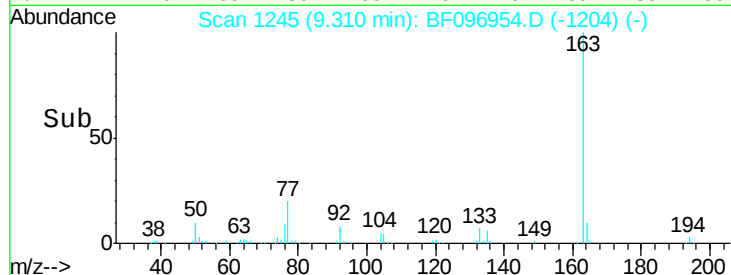
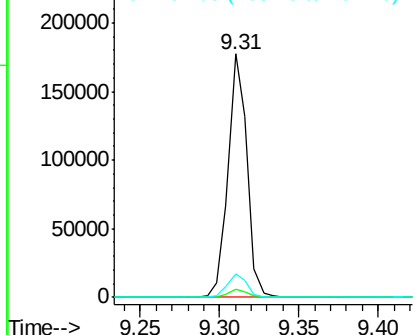
#49
Dimethylphthalate
Concen: 11.66 ng
RT: 9.31 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-001-C

Tgt Ion:163 Resp: 146575
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.9 8.4 12.6



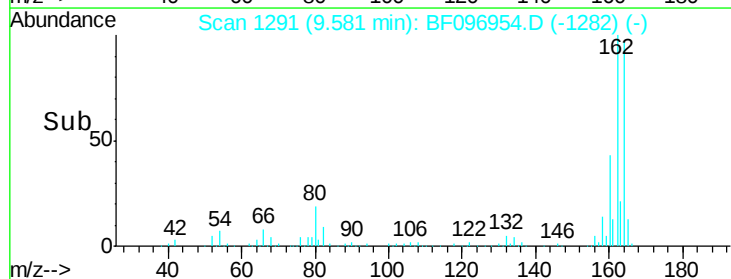
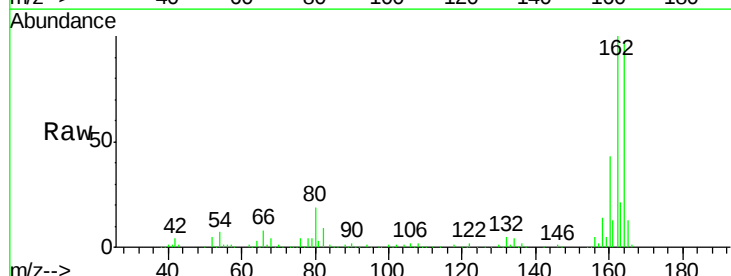
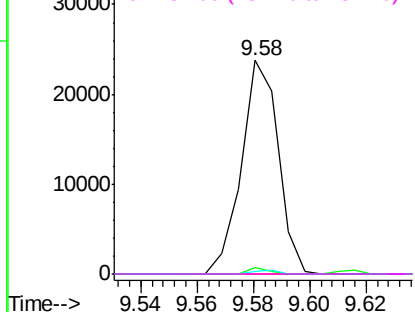
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

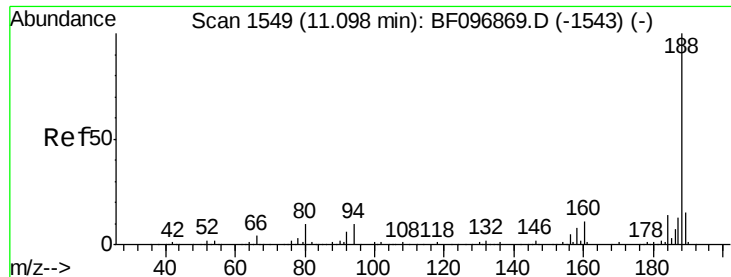


#56
2,4-Dinitrotoluene
Concen: 6.15 ng
RT: 9.58 min Scan# 1291
Delta R.T. -0.25 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

Tgt Ion:165 Resp: 21508
Ion Ratio Lower Upper
165 100
63 2.8 25.4 38.0#
89 1.3 46.4 69.6#
182 0.0 1.8 2.6#

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

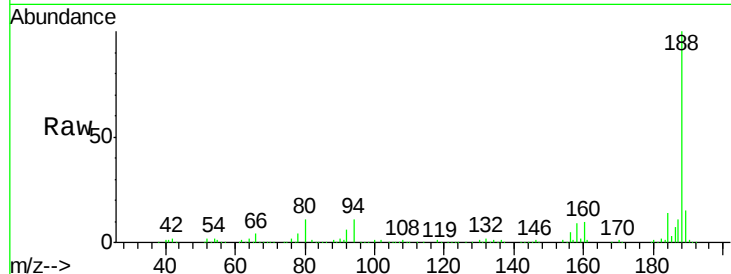




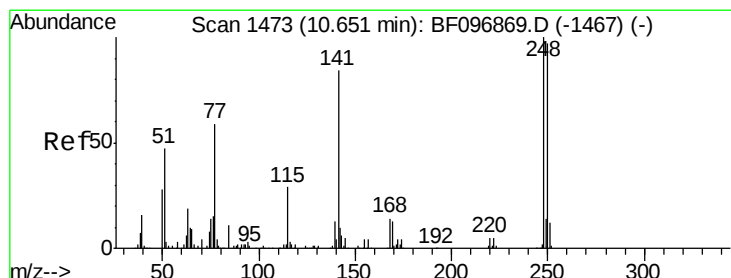
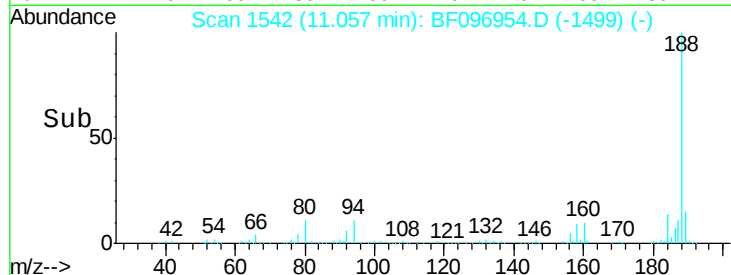
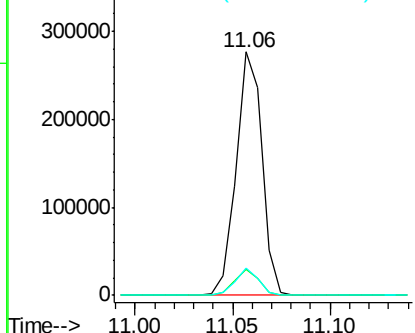
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 1542
Delta R.T. -0.05 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-001-C

Tgt Ion:188 Resp: 253723
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 11.4 10.2 15.2

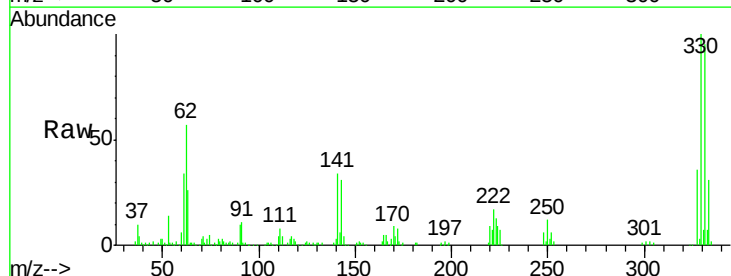


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

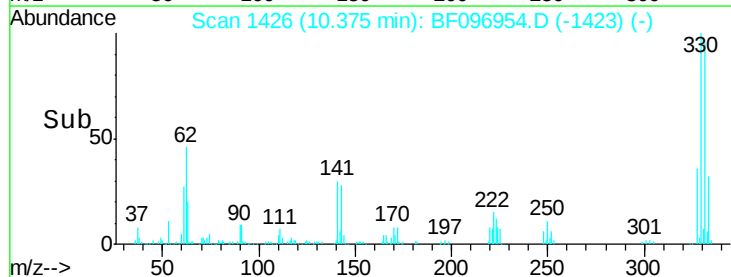
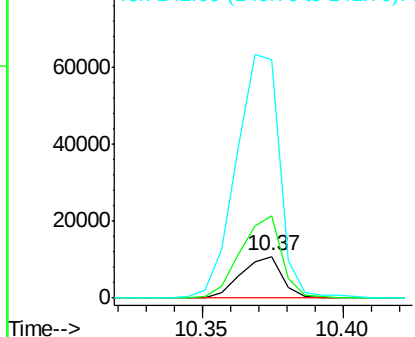


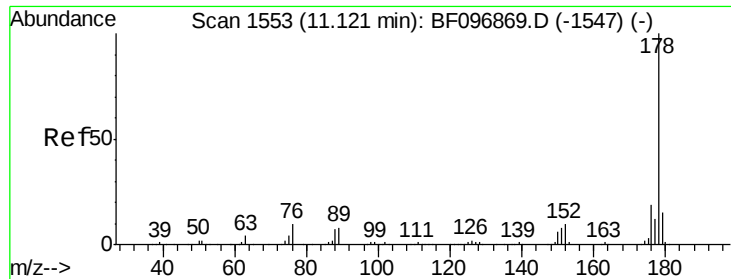
#66
4-Bromophenyl-phenylether
Concen: 4.17 ng
RT: 10.37 min Scan# 1426
Delta R.T. -0.28 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

Tgt Ion:248 Resp: 10794
Ion Ratio Lower Upper
248 100
250 198.3 76.8 115.2#
141 575.4 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

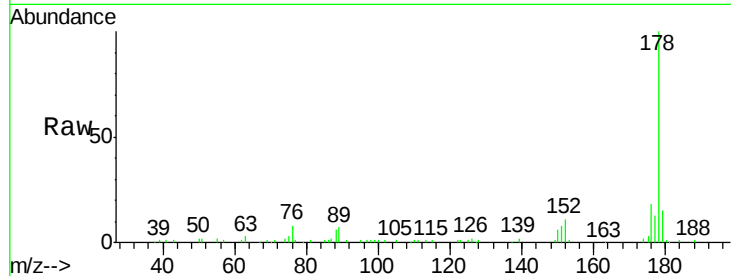




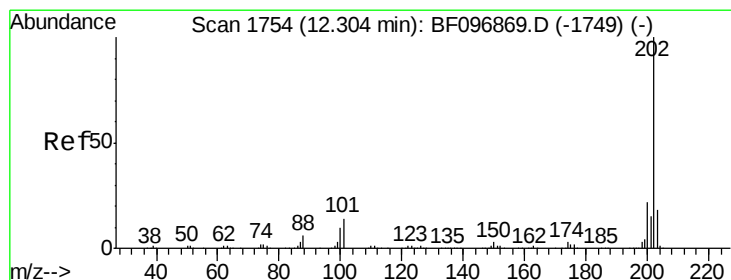
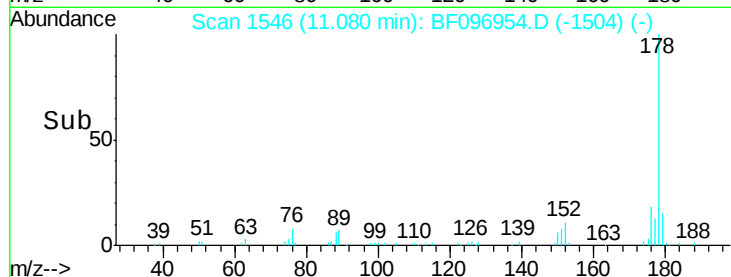
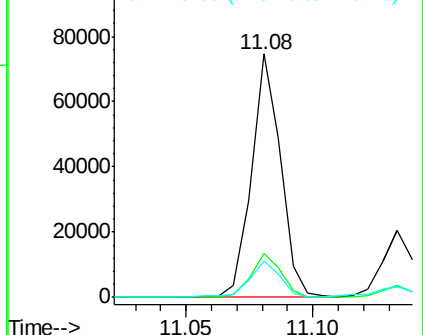
#70
Phenanthrene
Concen: 4.32 ng
RT: 11.08 min Scan# 1546
Delta R.T. -0.05 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-001-C

Tgt Ion:178 Resp: 59546
Ion Ratio Lower Upper
178 100
176 18.2 16.2 24.4
179 14.9 12.6 19.0

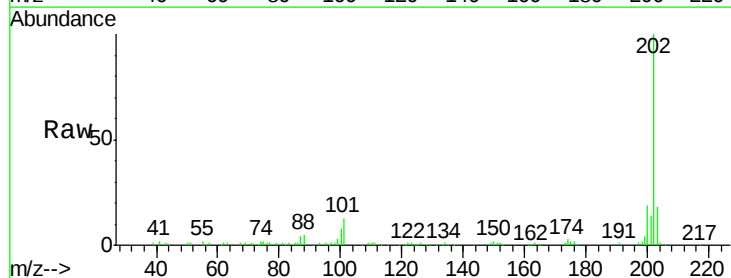


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

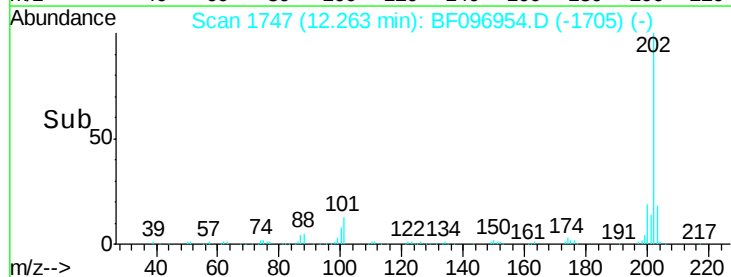
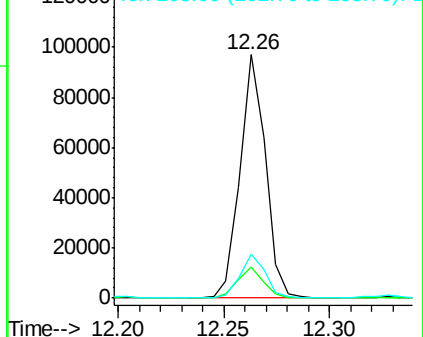


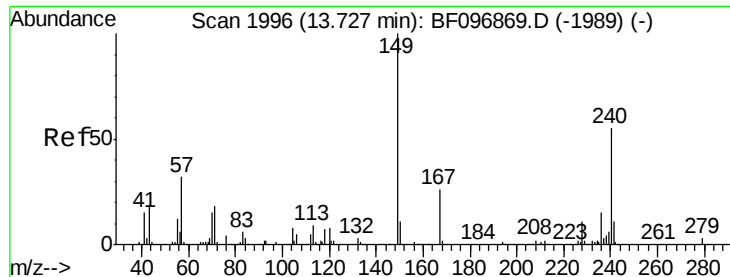
#74
Fluoranthene
Concen: 6.10 ng
RT: 12.26 min Scan# 1747
Delta R.T. -0.05 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

Tgt Ion:202 Resp: 80574
Ion Ratio Lower Upper
202 100
101 12.6 0.0 33.2
203 18.1 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: 13.69 min Scan# 1989

Delta R.T. -0.05 min

Lab File: BF096954.D

Acq: 21 Jul 2017 19:59

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-001-C

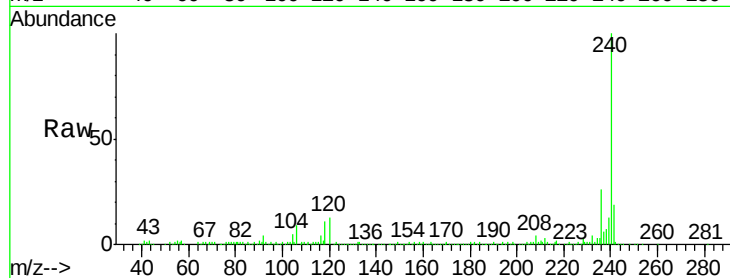
Tgt Ion:240 Resp: 209852

Ion Ratio Lower Upper

240 100

120 12.9 5.8 8.8#

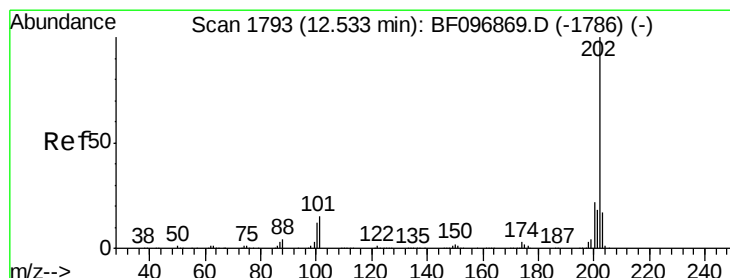
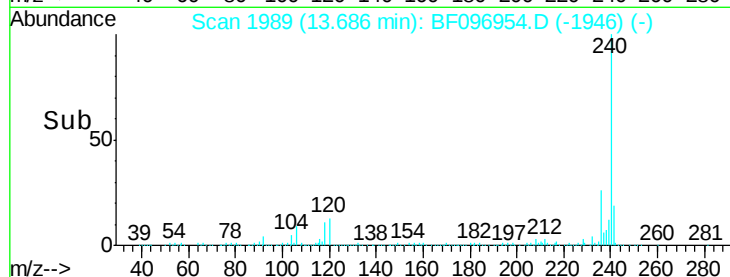
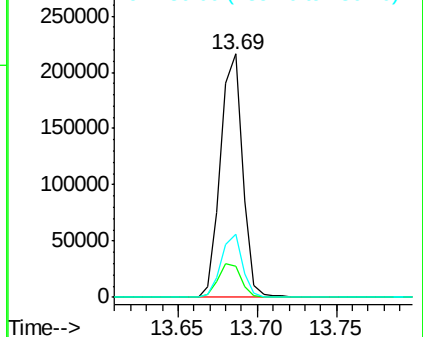
236 26.0 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.51 ng

RT: 12.49 min Scan# 1785

Delta R.T. -0.05 min

Lab File: BF096954.D

Acq: 21 Jul 2017 19:59

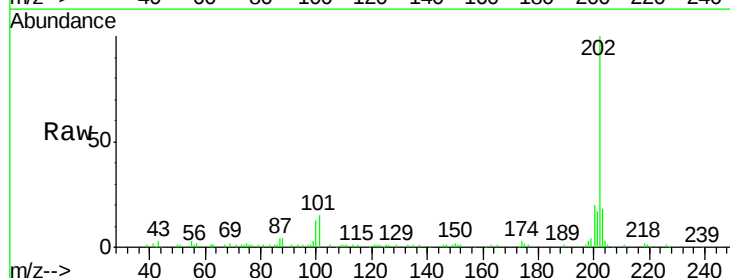
Tgt Ion:202 Resp: 66811

Ion Ratio Lower Upper

202 100

200 19.7 17.6 26.4

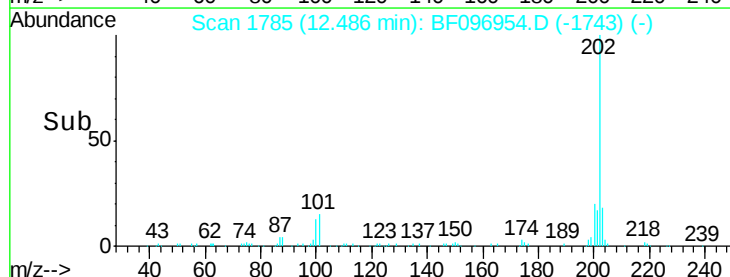
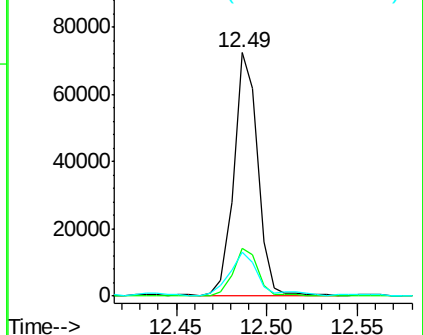
203 18.0 14.4 21.6

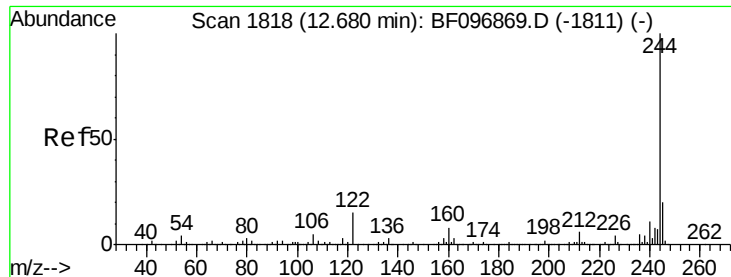


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

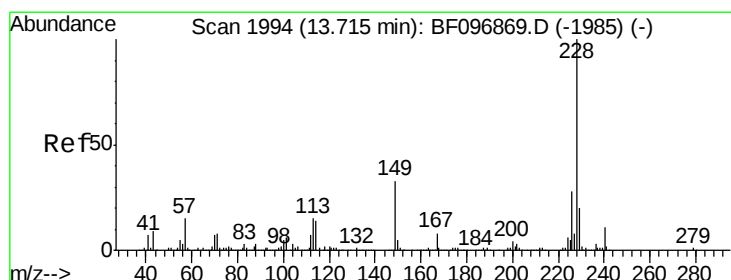
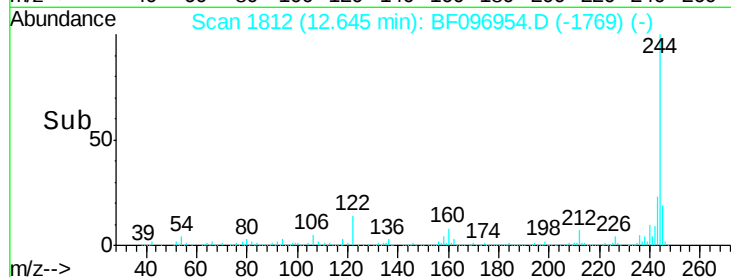
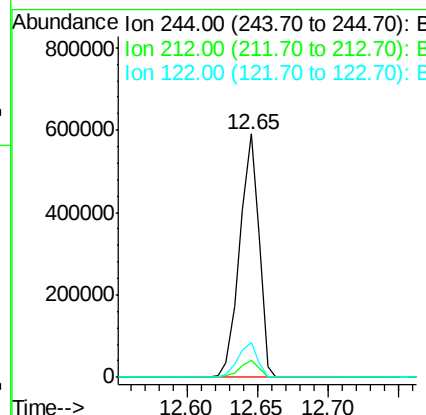
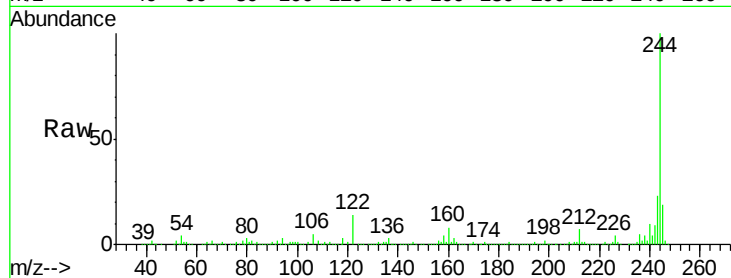




#78
 Terphenyl-d14
 Concen: 46.40 ng
 RT: 12.65 min Scan# 1812
 Delta R.T. -0.05 min
 Lab File: BF096954.D
 Acq: 21 Jul 2017 19:59

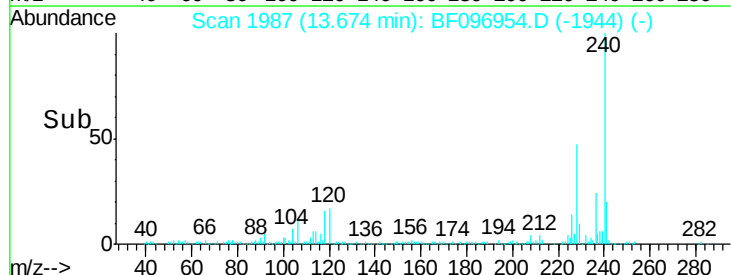
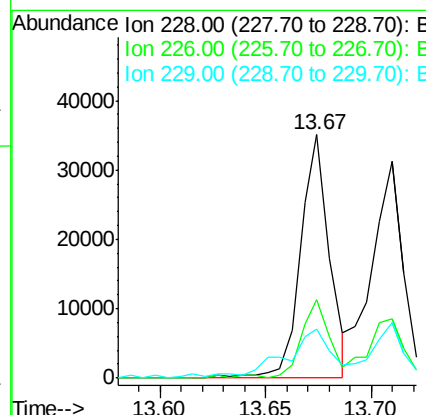
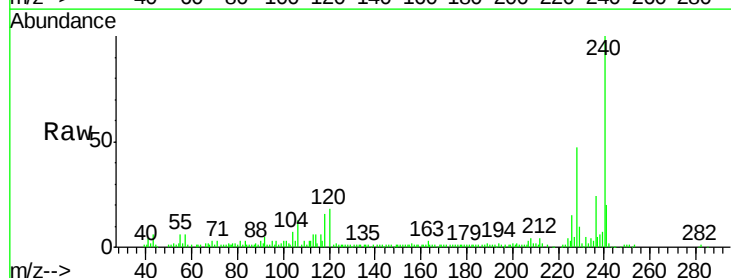
Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-001-C

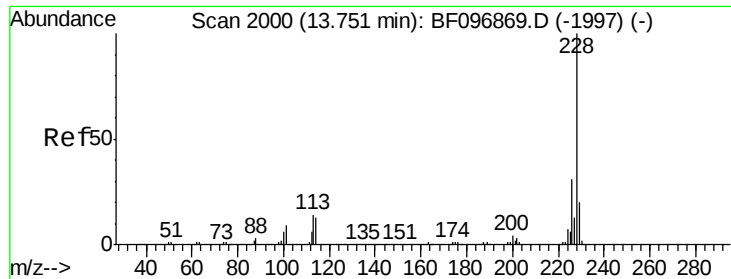
Tgt Ion: 244 Resp: 561436
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 14.5 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.56 ng
 RT: 13.67 min Scan# 1987
 Delta R.T. -0.05 min
 Lab File: BF096954.D
 Acq: 21 Jul 2017 19:59

Tgt Ion: 228 Resp: 33447
 Ion Ratio Lower Upper
 228 100
 226 32.2 22.6 33.8
 229 20.4 16.3 24.5





#82

Chrysene

Concen: 2.60 ng

RT: 13.67 min Scan# 1987

Delta R.T. -0.09 min

Lab File: BF096954.D

Acq: 21 Jul 2017 19:59

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-001-C

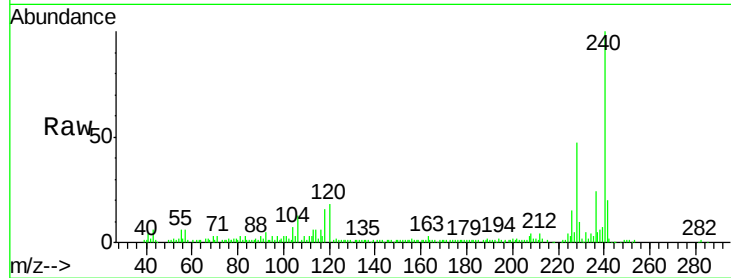
Tgt Ion:228 Resp: 33447

Ion Ratio Lower Upper

228 100

226 32.2 24.9 37.3

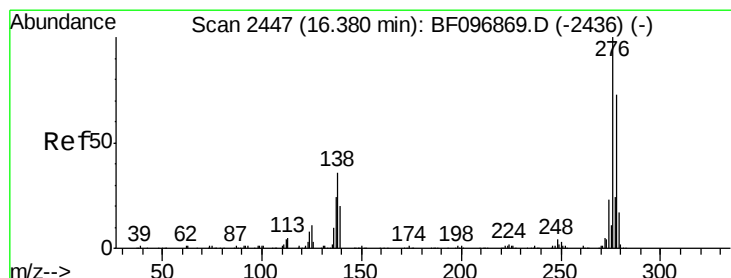
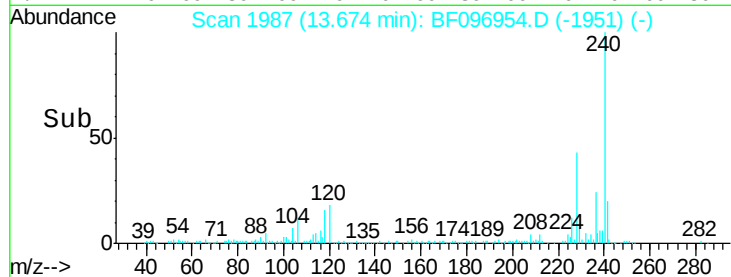
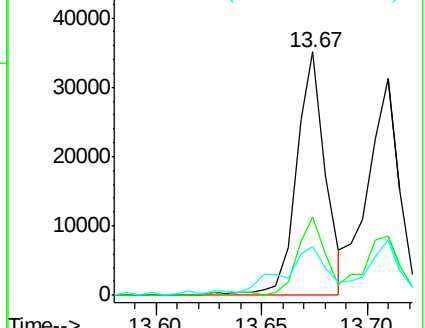
229 20.4 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.44 ng

RT: 16.31 min Scan# 2435

Delta R.T. -0.08 min

Lab File: BF096954.D

Acq: 21 Jul 2017 19:59

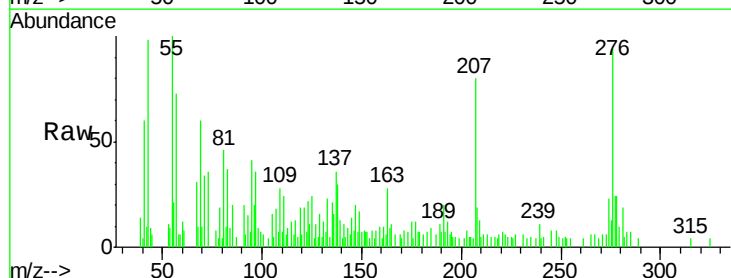
Tgt Ion:276 Resp: 13772

Ion Ratio Lower Upper

276 100

138 32.8 27.8 41.6

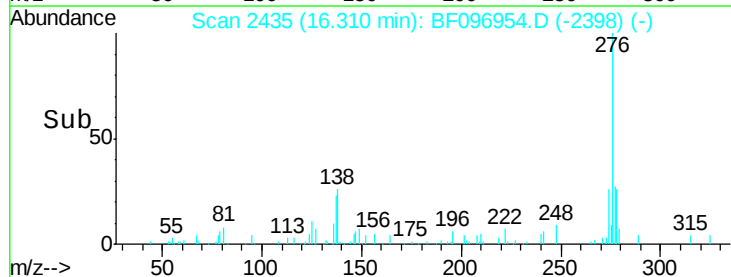
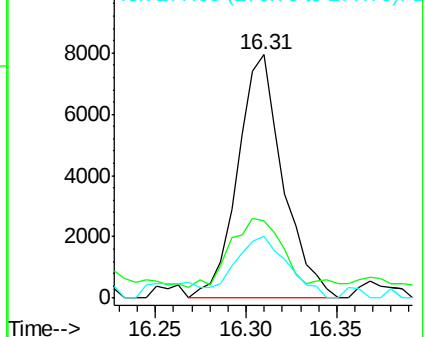
277 29.1 20.2 30.4

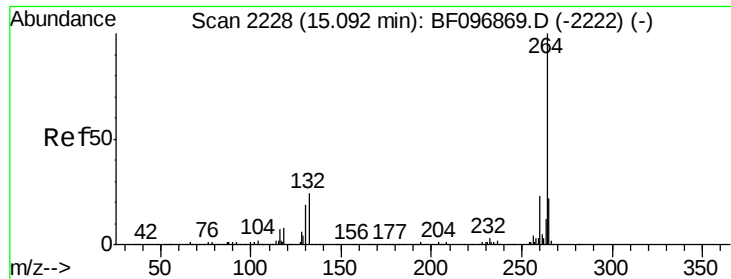


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

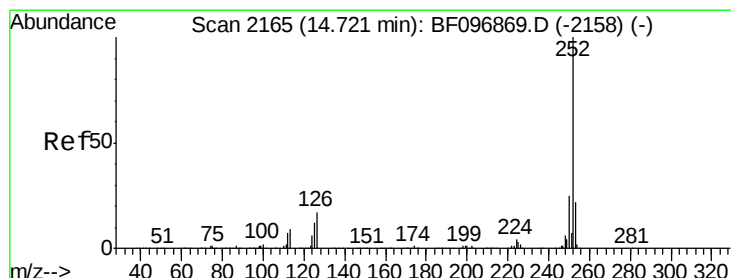
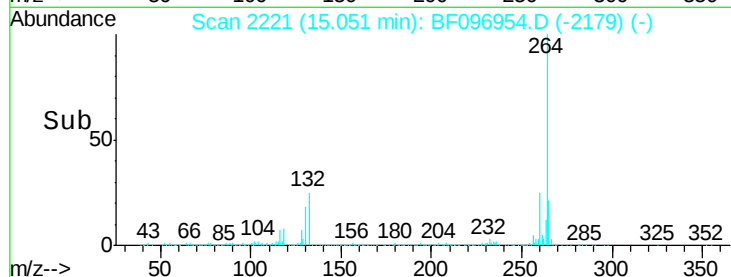
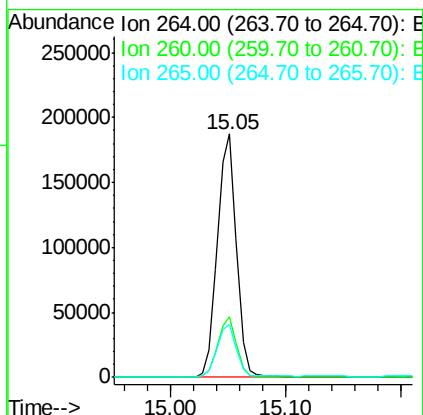
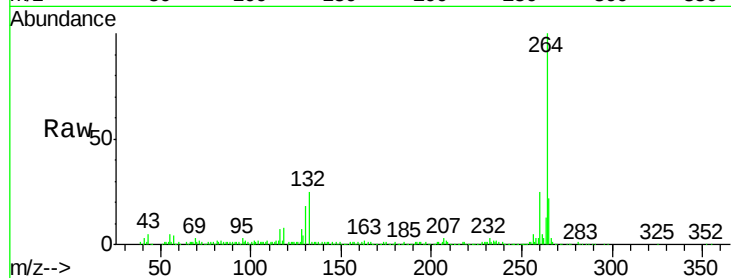




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 2221
Delta R.T. -0.05 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

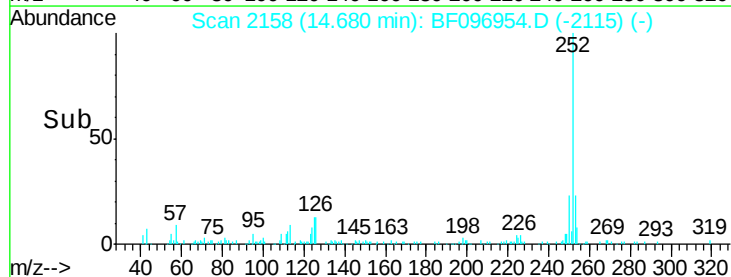
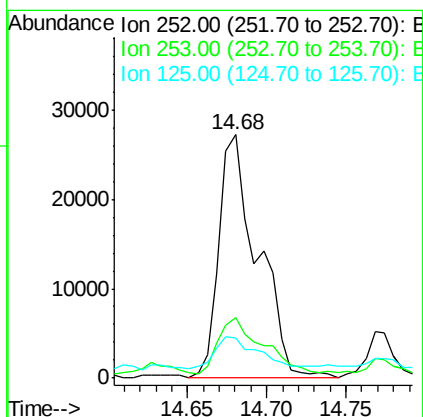
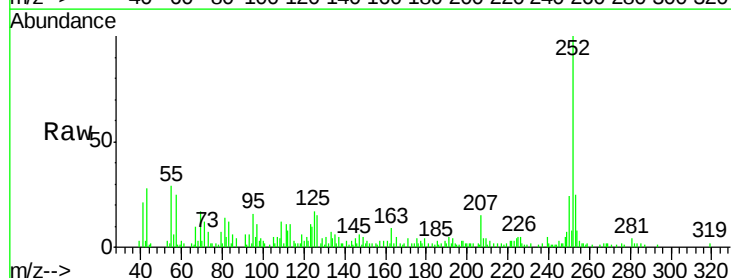
Instrument :
BNA_F
ClientSampleId :
FK-SF-03-001-C

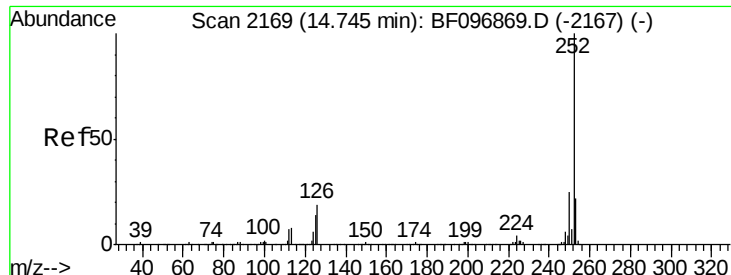
Tgt Ion:264 Resp: 215969
Ion Ratio Lower Upper
264 100
260 24.9 19.5 29.3
265 21.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.56 ng
RT: 14.68 min Scan# 2158
Delta R.T. -0.05 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

Tgt Ion:252 Resp: 46425
Ion Ratio Lower Upper
252 100
253 24.8 18.1 27.1
125 16.6 9.8 14.8#

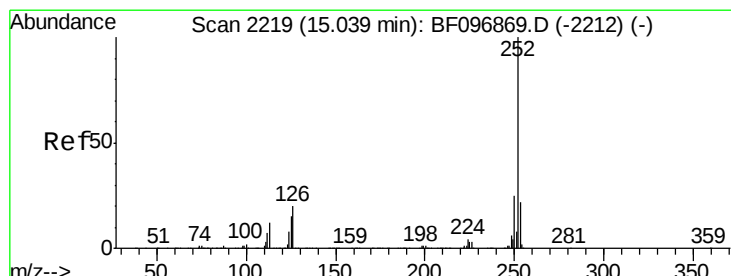
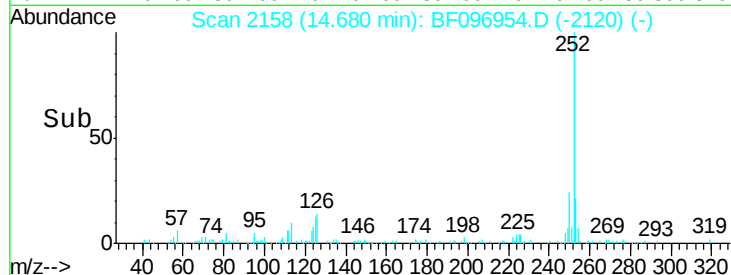
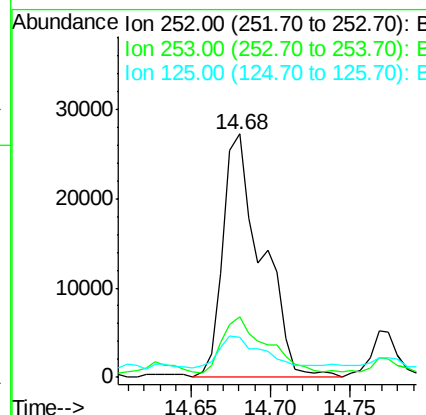
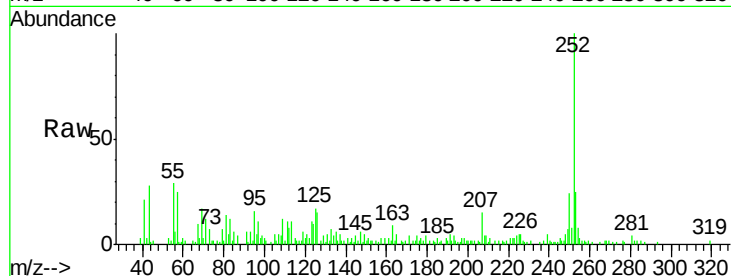




#88
Benzo(k)fluoranthene
Concen: 3.76 ng
RT: 14.68 min Scan# 2158
Delta R.T. -0.08 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-001-C

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.4	27.6
125	16.6	13.1	19.7



#89
Benzo(a)pyrene
Concen: 2.01 ng
RT: 14.99 min Scan# 2211
Delta R.T. -0.06 min
Lab File: BF096954.D
Acq: 21 Jul 2017 19:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	18.3	11.0	16.4

