

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
 Data File : BF096888.D
 Acq On : 19 Jul 2017 23:44
 Operator : SJ/JU
 Sample : I4258-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 20 00:57:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

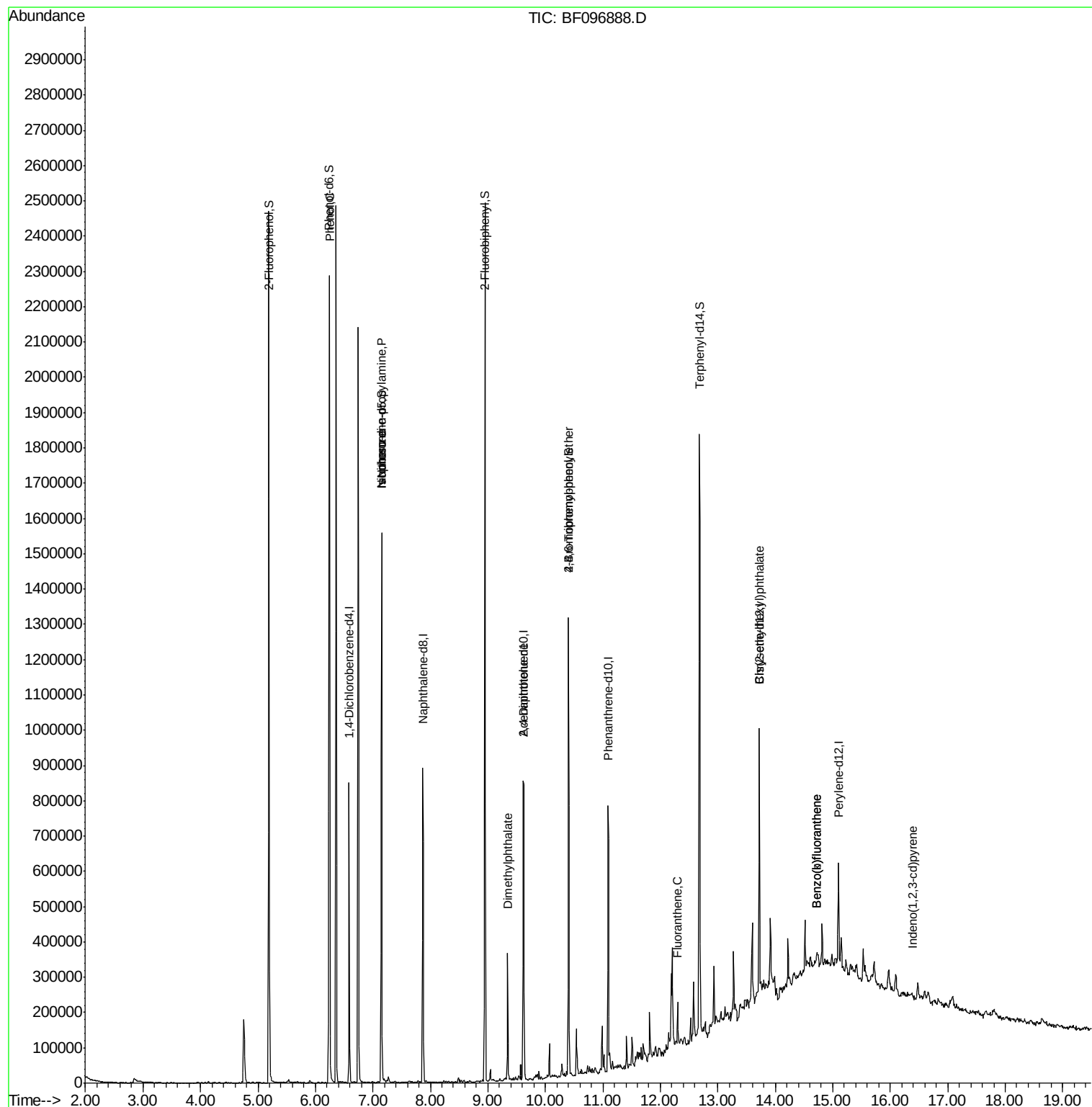
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	117156	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	394077	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	176096	20.00	ng	-0.02
63) Phenanthrene-d10	11.09	188	260429	20.00	ng	-0.01
75) Chrysene-d12	13.72	240	210679	20.00	ng	-0.01
86) Perylene-d12	15.10	264	124353	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	726094	93.19	ng	0.00
7) Phenol-d6	6.24	99	881453	94.27	ng	-0.01
23) Nitrobenzene-d5	7.15	82	494287	77.69	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	136696	90.94	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	747251	67.04	ng	-0.01
78) Terphenyl-d14	12.68	244	557827	45.92	ng	-0.01
Target Compounds						
10) Phenol	6.25	94	39668	3.75	ng	Qvalue 100
19) n-Nitroso-di-n-propylamine	7.15	70	65396	11.61	ng	# 88
25) Isophorone	7.15	82	491695	41.54	ng	# 67
49) Dimethylphthalate	9.35	163	132882	10.02	ng	97
56) 2,4-Dinitrotoluene	9.62	165	22019	5.97	ng	# 34
66) 4-Bromophenyl-phenylether	10.40	248	8844	3.33	ng	# 1
74) Fluoranthene	12.30	202	33486	2.47	ng	97
83) Bis(2-ethylhexyl)phthalate	13.73	149	42115	3.81	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.38	276	6189	3.83	ng	96
87) Benzo(b)fluoranthene	14.72	252	15428	2.06	ng	# 53
88) Benzo(k)fluoranthene	14.72	252	15428	2.17	ng	# 58

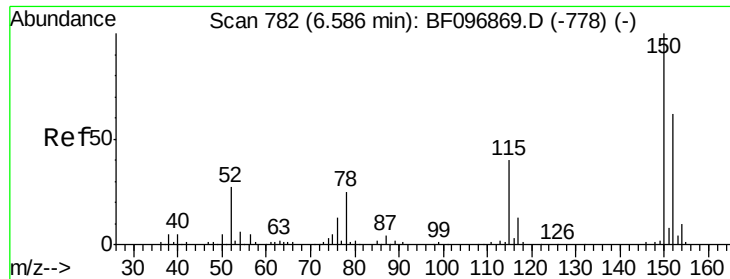
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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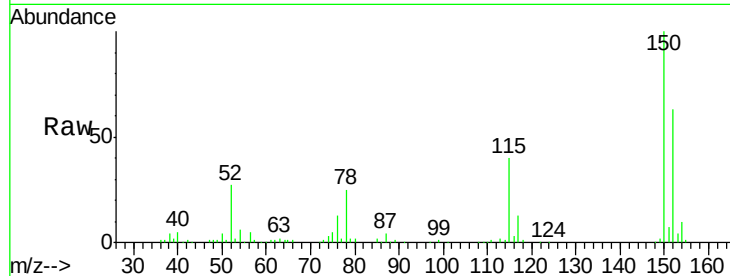


#1

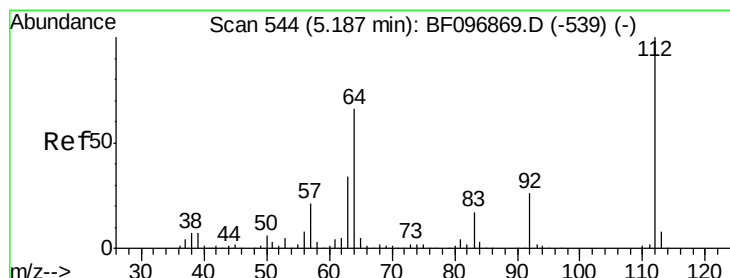
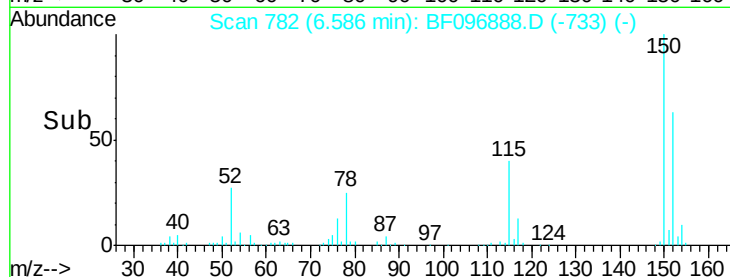
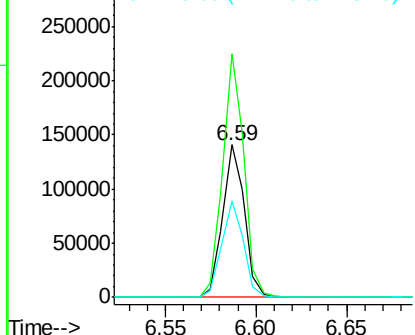
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.59 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096888.D
Acq: 19 Jul 2017 23:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 117156
Ion Ratio Lower Upper
152 100
150 159.7 126.2 189.2
115 63.4 52.2 78.2



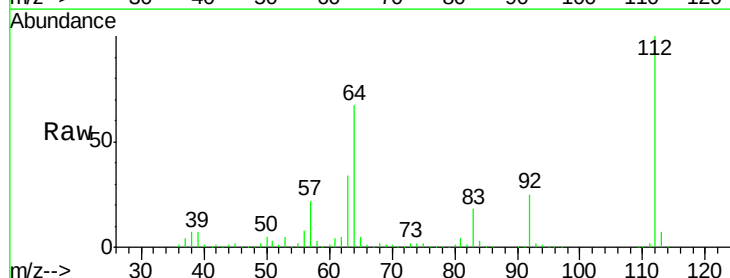
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



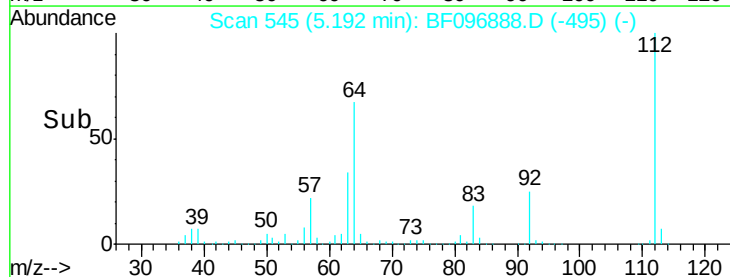
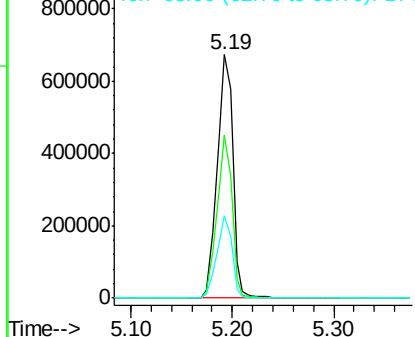
#5

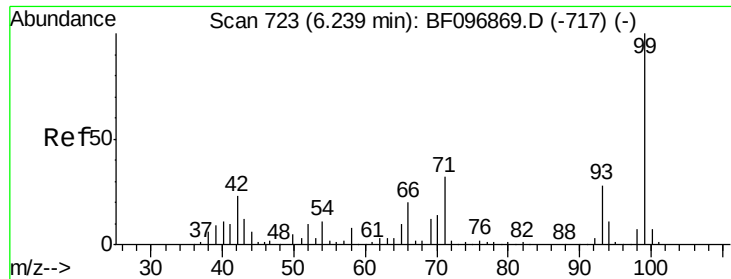
2-Fluorophenol
Concen: 93.19 ng
RT: 5.19 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF096888.D
Acq: 19 Jul 2017 23:44

Tgt Ion:112 Resp: 726094
Ion Ratio Lower Upper
112 100
64 66.7 46.0 69.0
63 33.6 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: 94.27 ng

RT: 6.24 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF096888.D

Acq: 19 Jul 2017 23:44

Instrument :

BNA_F

ClientSampleId :

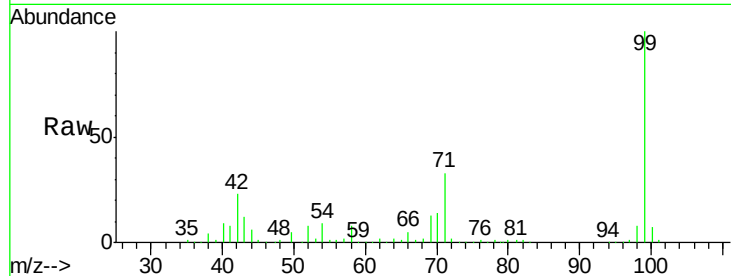
Tot Ion: 99 Resp: 881453

Ion Ratio Lower Upper

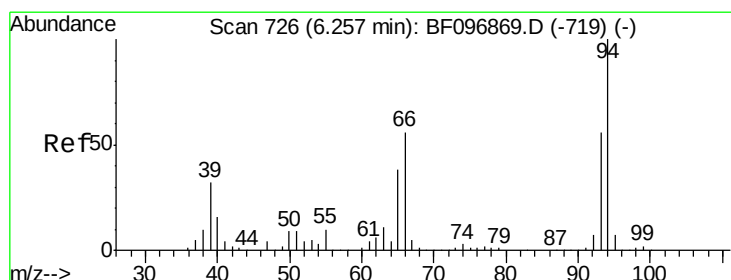
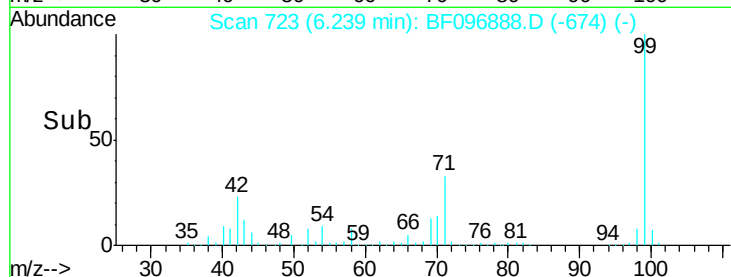
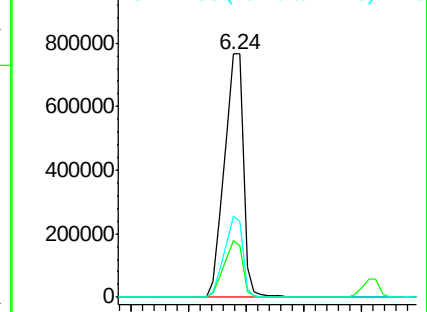
99 100

42 23.1 13.5 20.3#

71 33.0 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.75 ng

RT: 6.25 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF096888.D

Acq: 19 Jul 2017 23:44

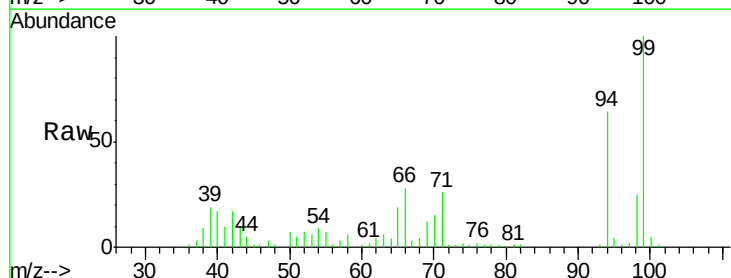
Tgt Ion: 94 Resp: 39668

Ion Ratio Lower Upper

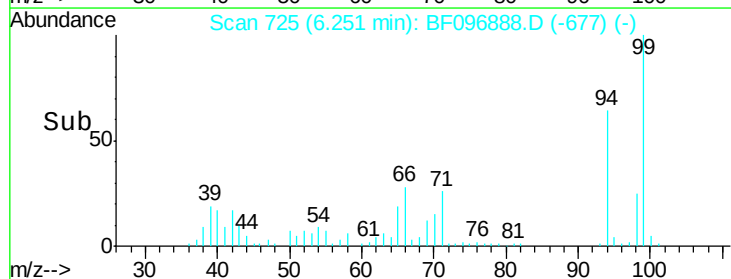
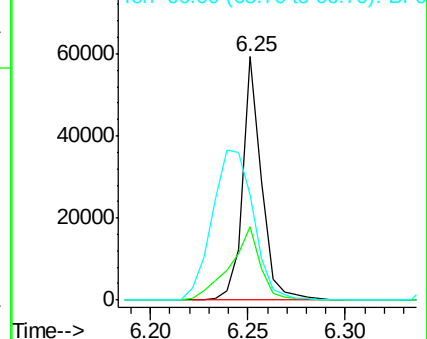
94 100

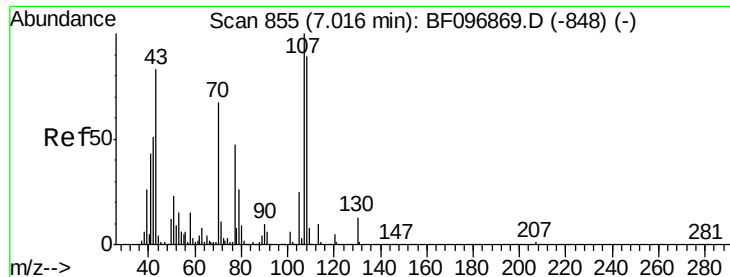
65 30.1 9.9 49.9

66 43.1 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

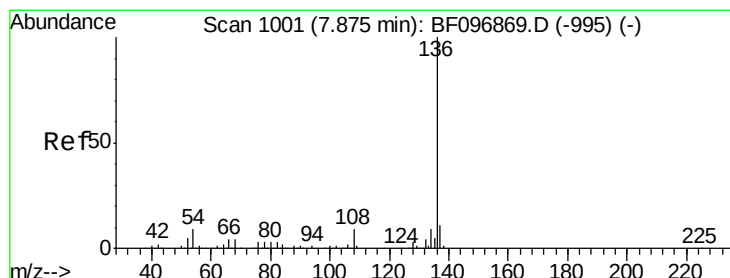
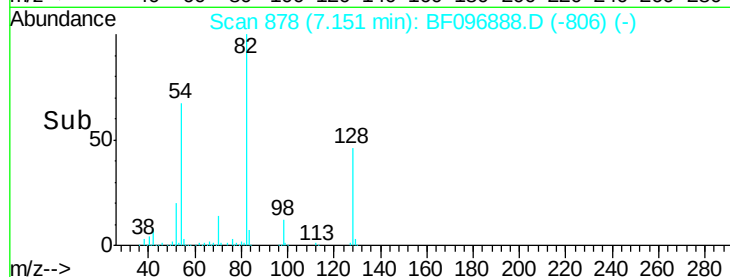
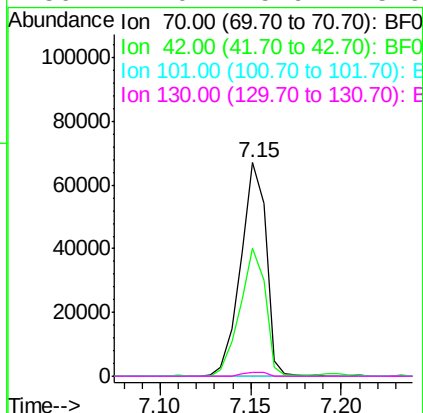
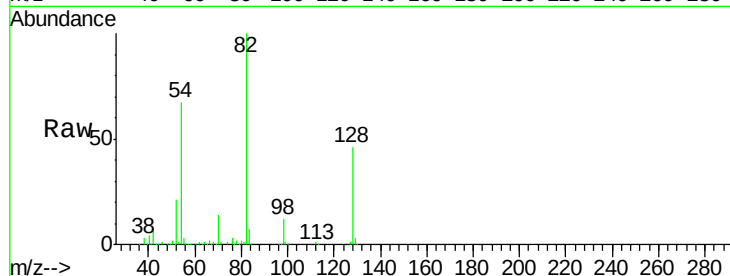




#19
n-Nitroso-di-n-propylamine
Concen: 11.61 ng
RT: 7.15 min Scan# 878
Delta R.T. 0.12 min
Lab File: BF096888.D
Acq: 19 Jul 2017 23:44

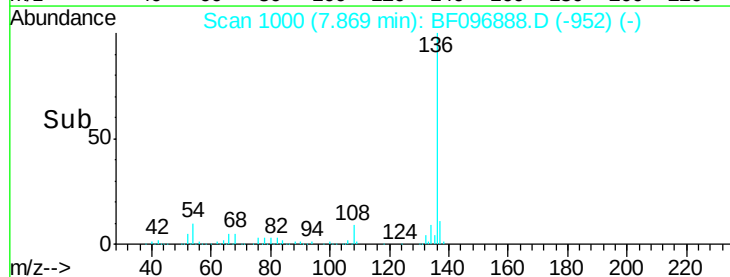
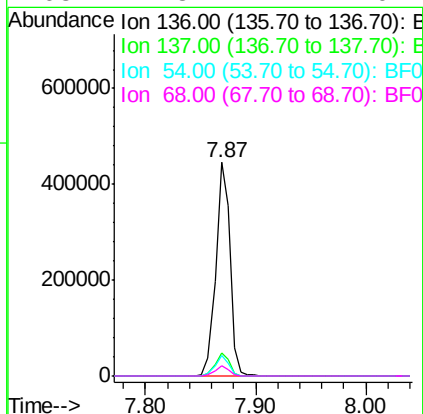
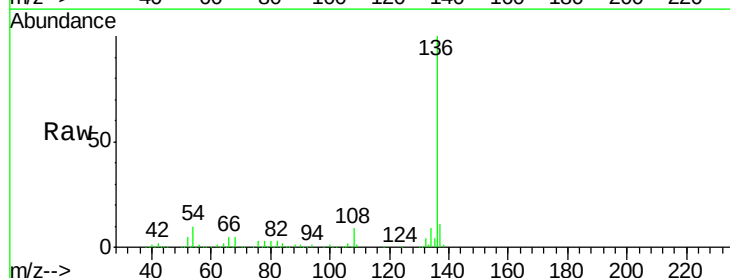
Instrument :
BNA_F
ClientSampleId :

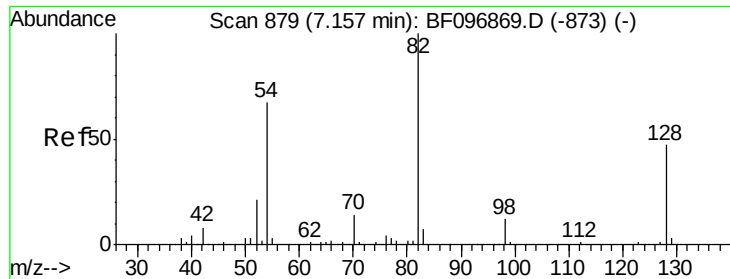
Tot Ion: 70 Resp: 65396
Ion Ratio Lower Upper
70 100
42 59.8 47.2 70.8
101 0.0 7.2 10.8#
130 2.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.87 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF096888.D
Acq: 19 Jul 2017 23:44

Tgt Ion:136 Resp: 394077
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 9.8 4.9 7.3#
68 4.8 4.1 6.1

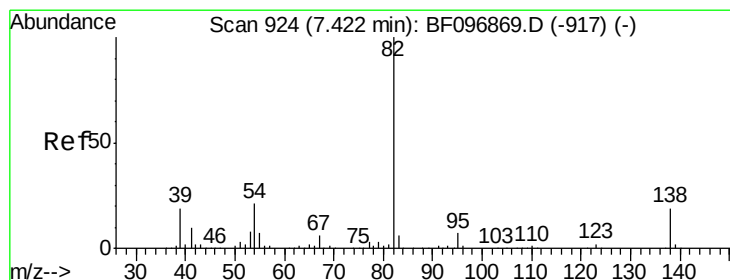
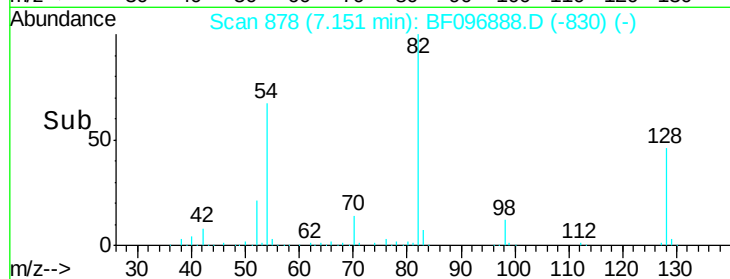
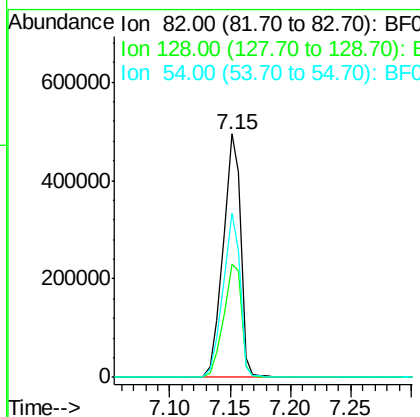
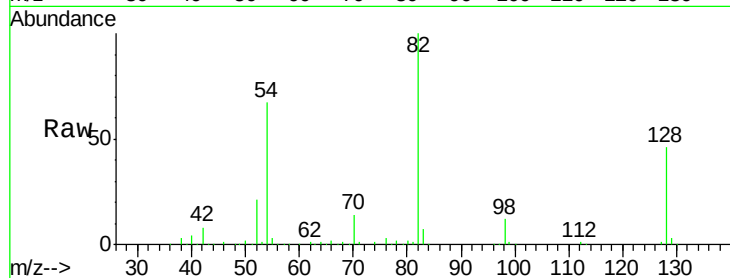




#23
 Nitrobenzene-d5
 Concen: 77.69 ng
 RT: 7.15 min Scan# 878
 Delta R.T. -0.02 min
 Lab File: BF096888.D
 Acq: 19 Jul 2017 23:44

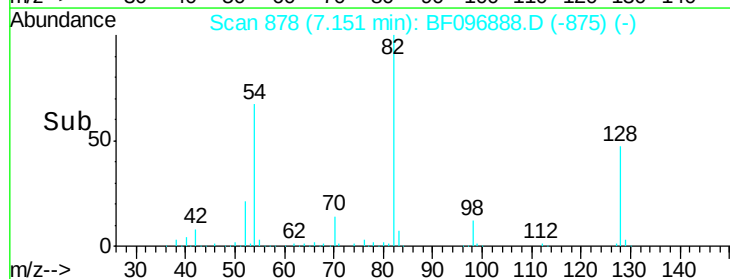
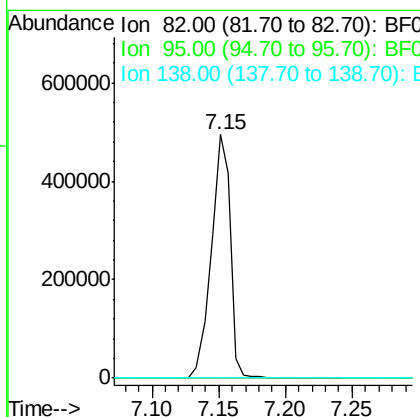
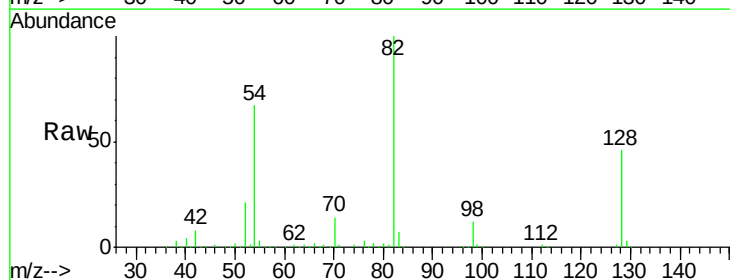
Instrument :
 BNA_F
 ClientSampleId :

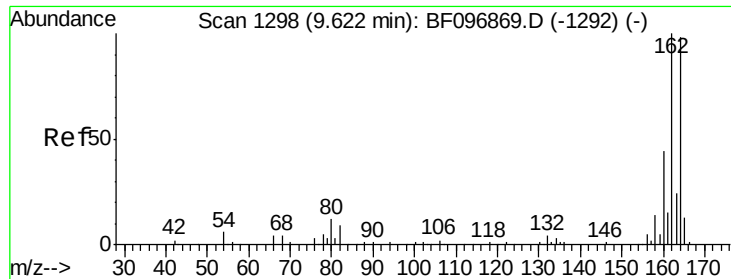
Tot Ion: 82 Resp: 494287
 Ion Ratio Lower Upper
 82 100
 128 46.3 34.0 51.0
 54 67.3 42.2 63.2#



#25
 Isophorone
 Concen: 41.54 ng
 RT: 7.15 min Scan# 878
 Delta R.T. -0.28 min
 Lab File: BF096888.D
 Acq: 19 Jul 2017 23:44

Tgt Ion: 82 Resp: 491695
 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: 9.62 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF096888.D

Acq: 19 Jul 2017 23:44

Instrument :

BNA_F

ClientSampleId :

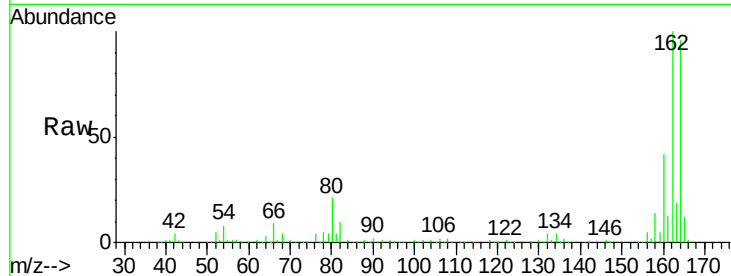
Tot Ion:164 Resp: 176096

Ion Ratio Lower Upper

164 100

162 103.7 82.6 123.8

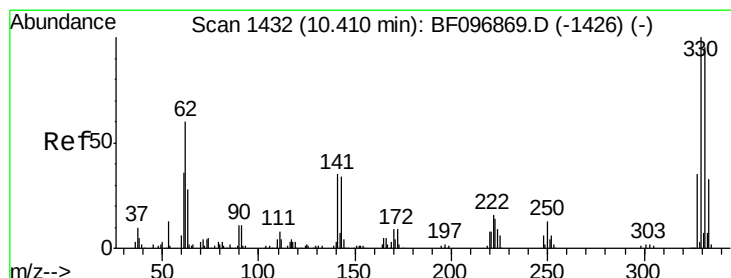
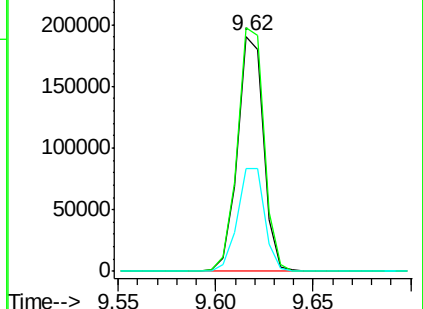
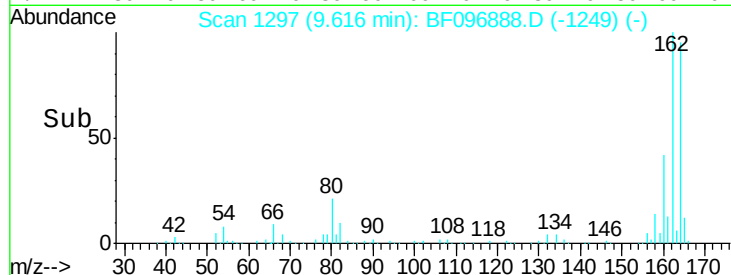
160 43.8 36.2 54.2



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: 90.94 ng

RT: 10.40 min Scan# 1431

Delta R.T. -0.02 min

Lab File: BF096888.D

Acq: 19 Jul 2017 23:44

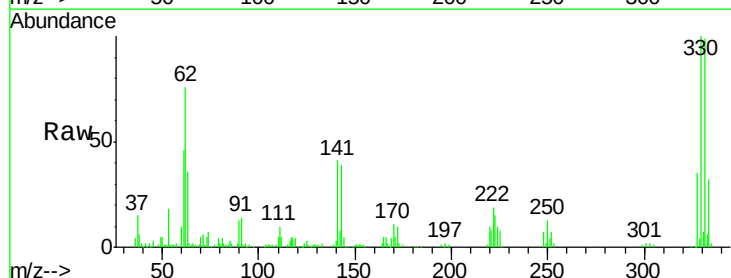
Tgt Ion:330 Resp: 136696

Ion Ratio Lower Upper

330 100

332 96.6 76.6 115.0

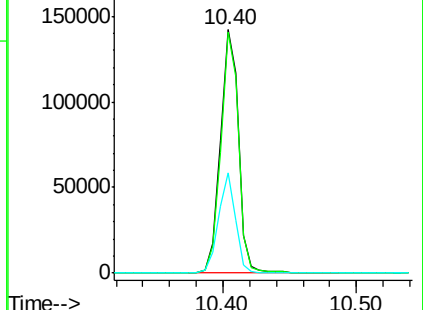
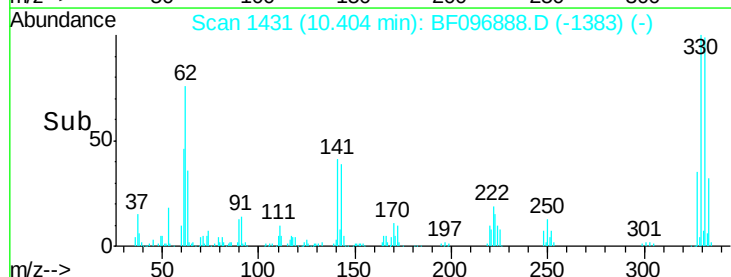
141 39.6 31.4 47.2

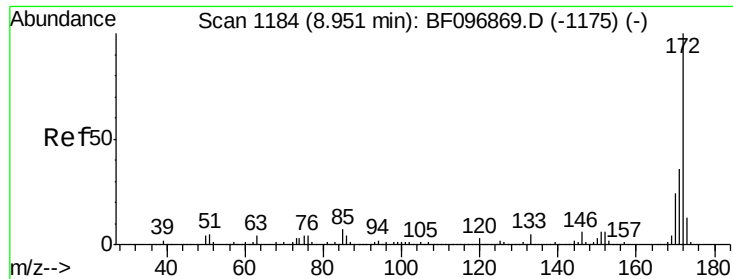


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

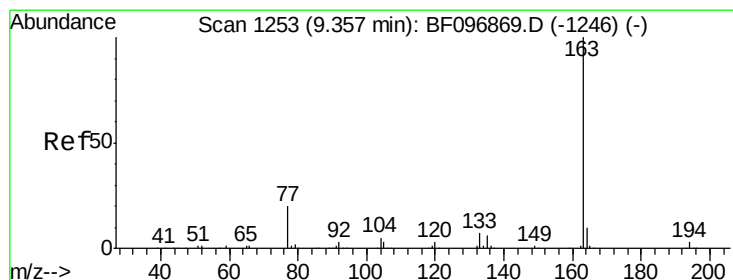
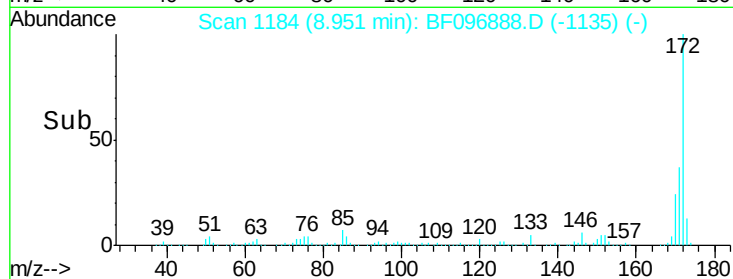
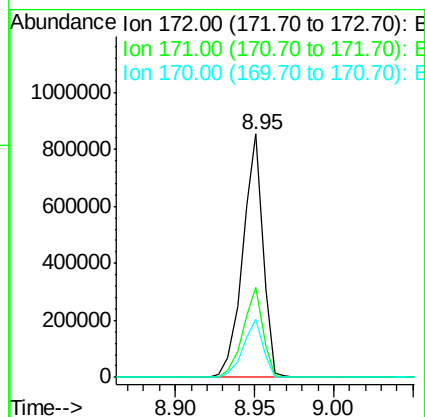
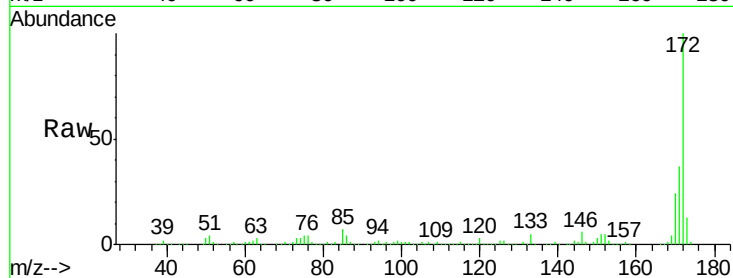




#44
2-Fluorobiphenyl
Concen: 67.04 ng
RT: 8.95 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BF096888.D
Acq: 19 Jul 2017 23:44

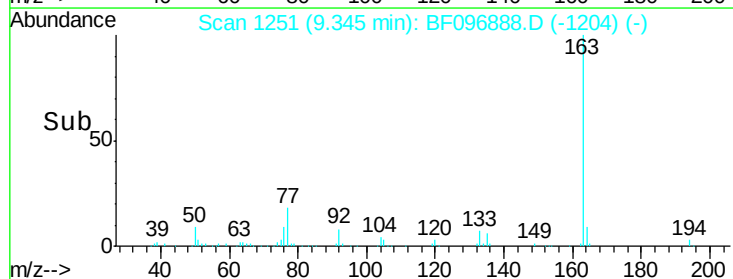
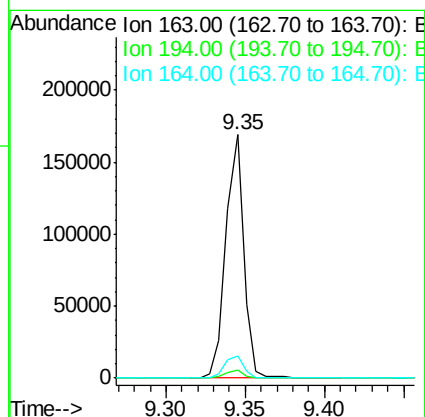
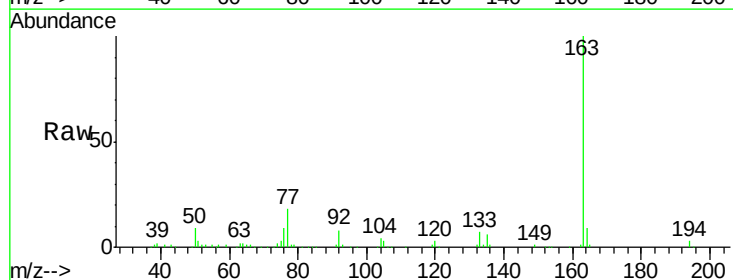
Instrument :
BNA_F
ClientSampleId :

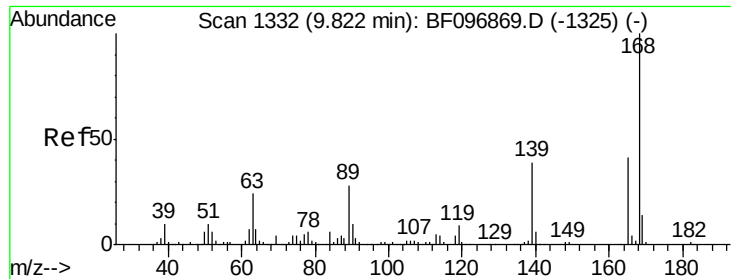
Tot Ion:172 Resp: 747251
Ion Ratio Lower Upper
172 100
171 36.7 29.6 44.4
170 23.9 19.8 29.8



#49
Dimethylphthalate
Concen: 10.02 ng
RT: 9.35 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF096888.D
Acq: 19 Jul 2017 23:44

Tgt Ion:163 Resp: 132882
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.2 8.4 12.6





#56

2,4-Dinitrotoluene

Concen: 5.97 ng

RT: 9.62 min Scan# 1297

Delta R.T. -0.21 min

Lab File: BF096888.D

Acq: 19 Jul 2017 23:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 22019

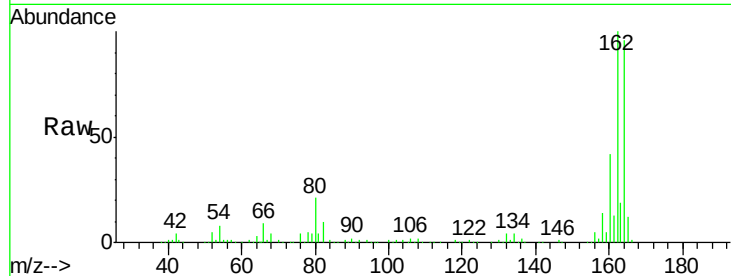
Ion Ratio Lower Upper

165 100

63 1.7 25.4 38.0#

89 2.1 46.4 69.6#

182 0.0 1.8 2.6#

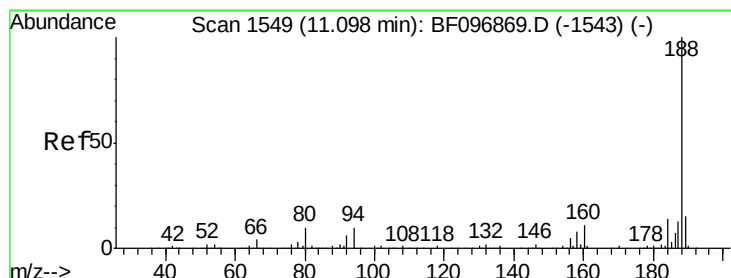
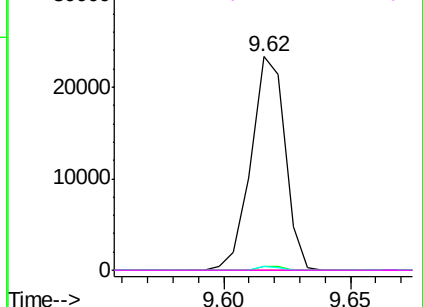
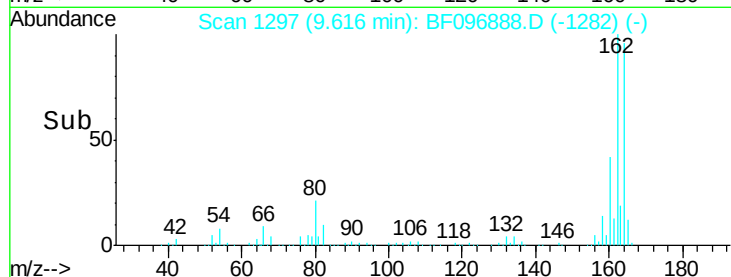


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.09 min Scan# 1548

Delta R.T. -0.01 min

Lab File: BF096888.D

Acq: 19 Jul 2017 23:44

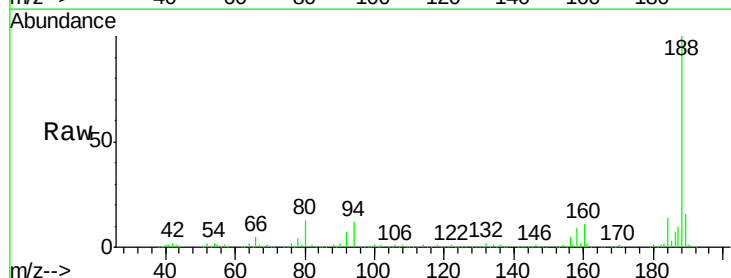
Tgt Ion:188 Resp: 260429

Ion Ratio Lower Upper

188 100

94 12.4 9.4 14.2

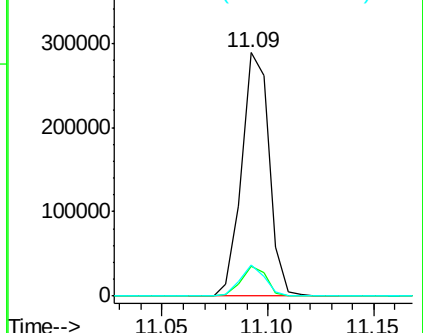
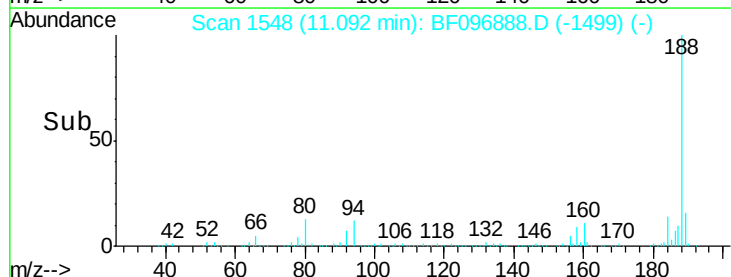
80 12.8 10.2 15.2

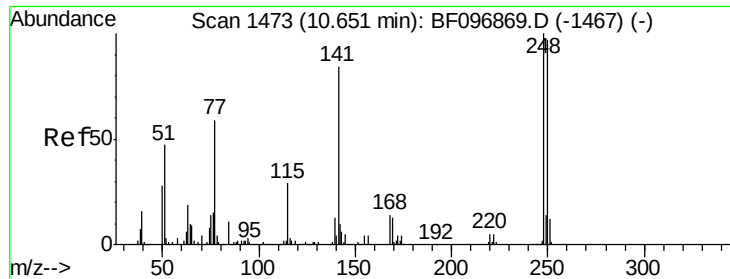


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

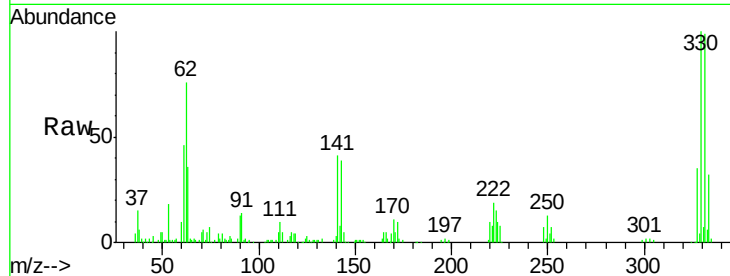




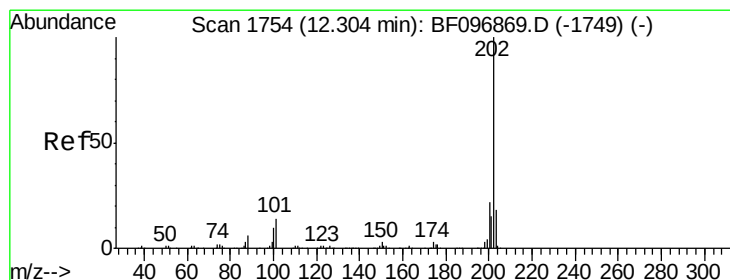
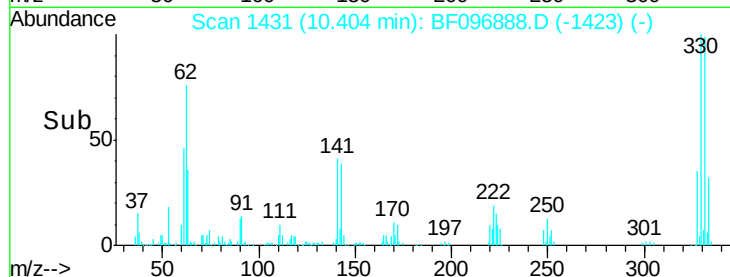
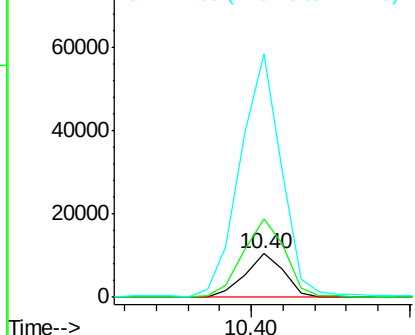
#66
4-Bromophenyl-phenylether
Concen: 3.33 ng
RT: 10.40 min Scan# 1431
Delta R.T. -0.25 min
Lab File: BF096888.D
Acq: 19 Jul 2017 23:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 8844
Ion Ratio Lower Upper
248 100
250 180.4 76.8 115.2#
141 560.4 68.6 103.0#

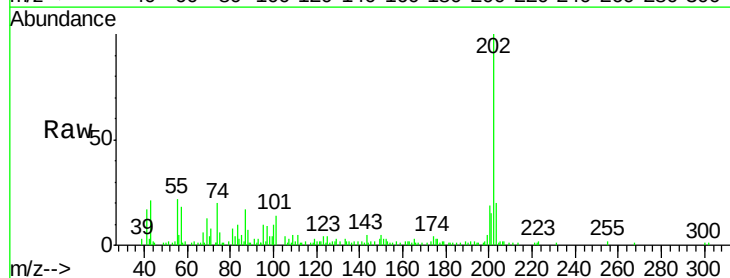


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

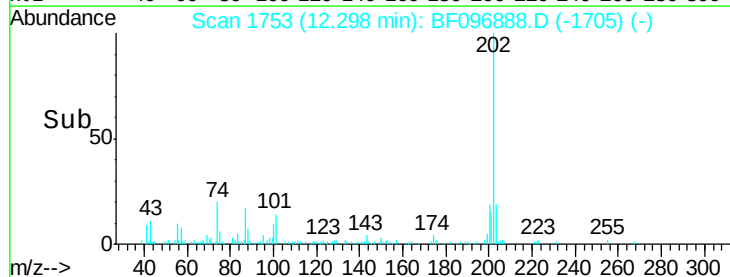
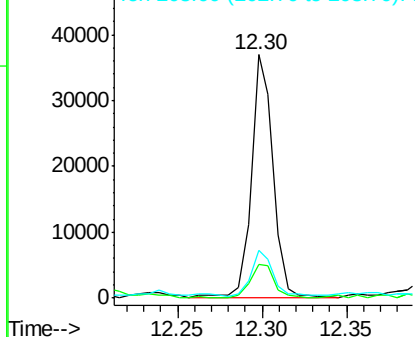


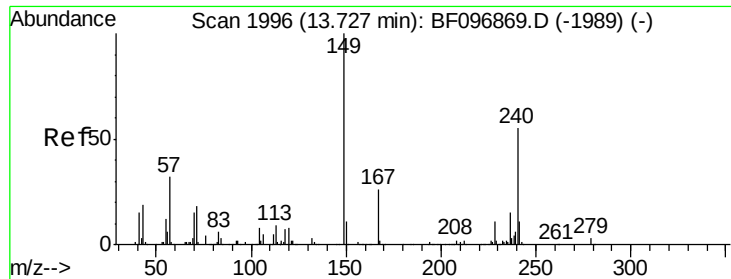
#74
Fluoranthene
Concen: 2.47 ng
RT: 12.30 min Scan# 1753
Delta R.T. -0.02 min
Lab File: BF096888.D
Acq: 19 Jul 2017 23:44

Tgt Ion:202 Resp: 33486
Ion Ratio Lower Upper
202 100
101 14.1 0.0 33.2
203 19.8 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: 13.72 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF096888.D

Acq: 19 Jul 2017 23:44

Instrument :

BNA_F

ClientSampleId :

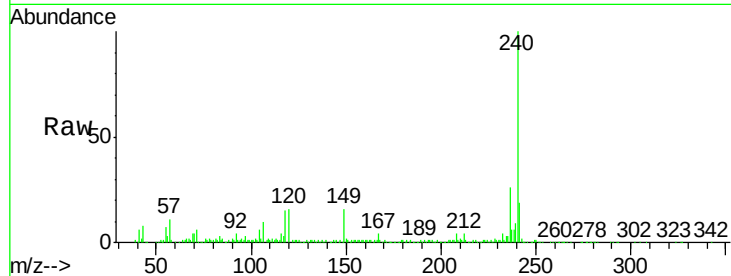
Tot Ion:240 Resp: 210679

Ion Ratio Lower Upper

240 100

120 15.9 5.8 8.8#

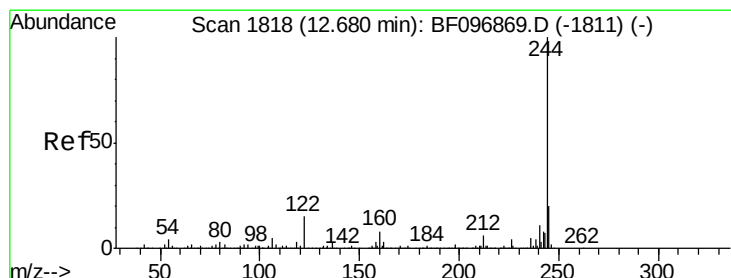
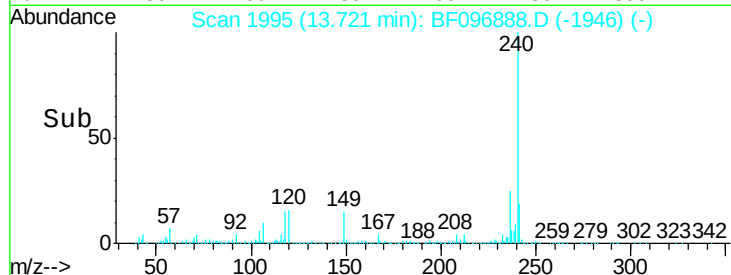
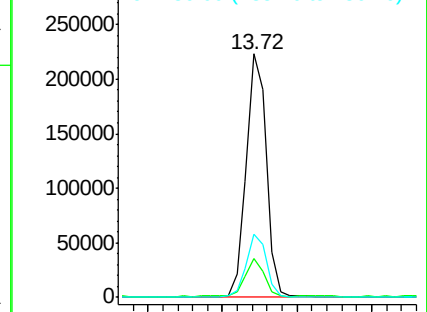
236 25.7 20.5 30.7



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



#78

Terphenyl-d14

Concen: 45.92 ng

RT: 12.68 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF096888.D

Acq: 19 Jul 2017 23:44

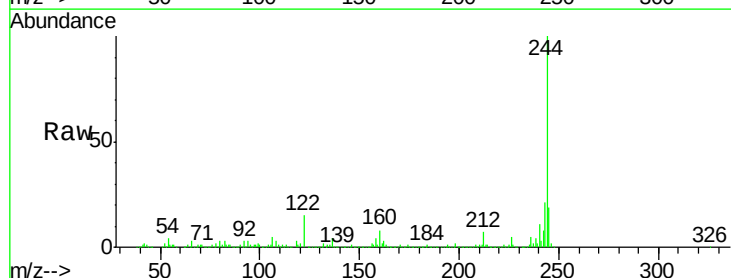
Tgt Ion:244 Resp: 557827

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

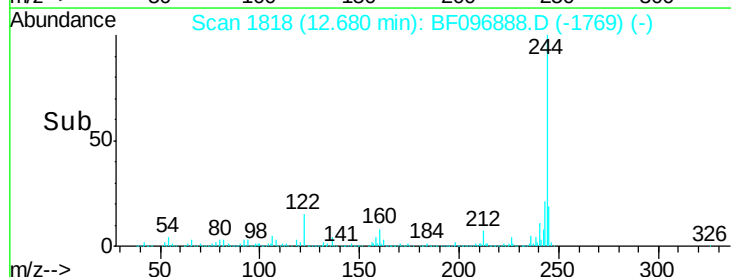
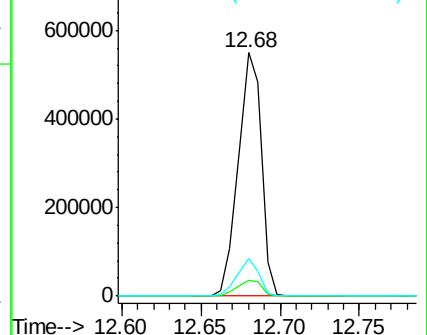
122 15.2 10.3 15.5

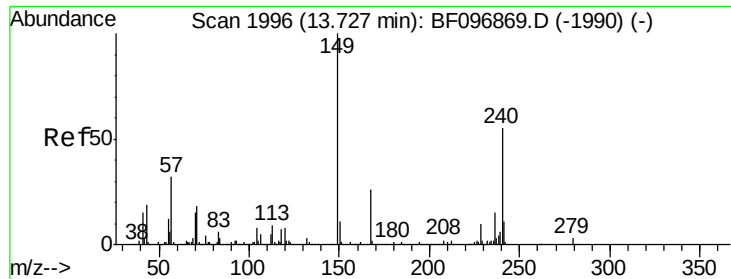


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.81 ng

RT: 13.73 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF096888.D

Acq: 19 Jul 2017 23:44

Instrument :

BNA_F

ClientSampleId :

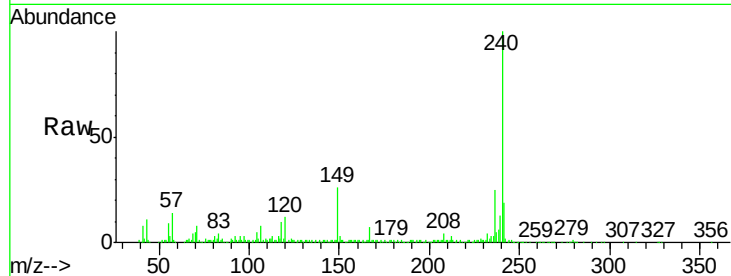
Tot Ion:149 Resp: 42115

Ion Ratio Lower Upper

149 100

167 28.3 21.0 31.4

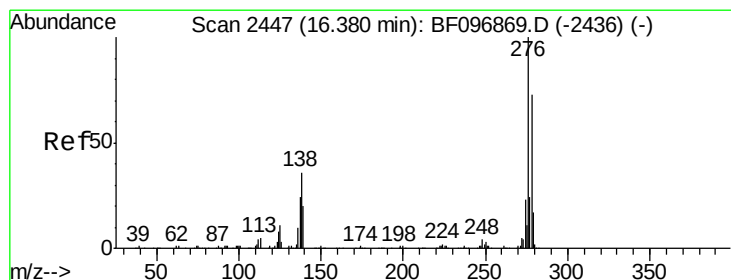
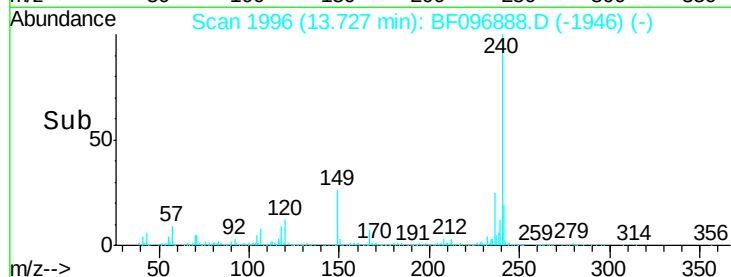
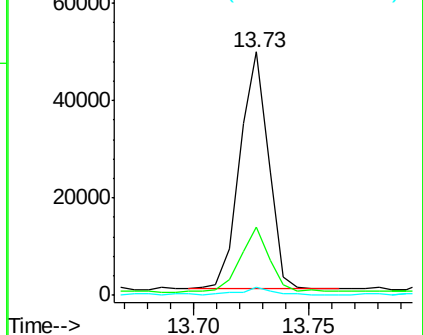
279 3.1 1.9 2.9#



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: 3.83 ng

RT: 16.38 min Scan# 2447

Delta R.T. -0.01 min

Lab File: BF096888.D

Acq: 19 Jul 2017 23:44

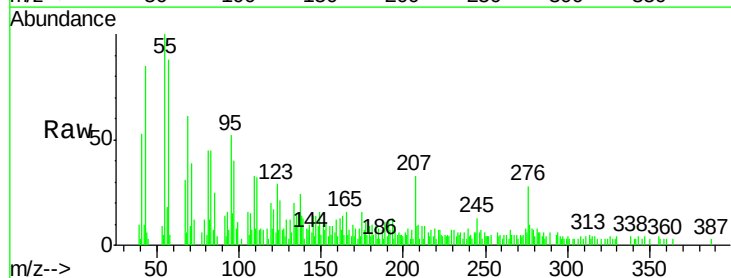
Tgt Ion:276 Resp: 6189

Ion Ratio Lower Upper

276 100

138 32.0 27.8 41.6

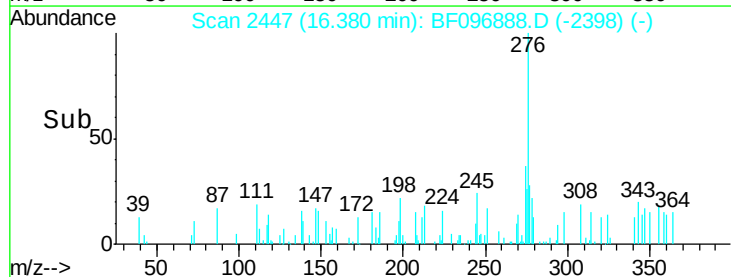
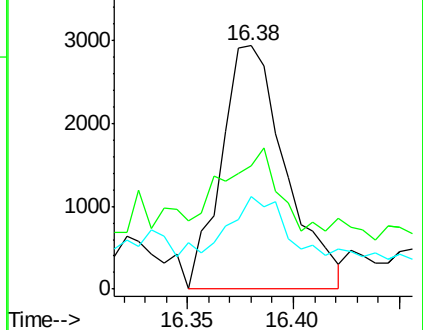
277 23.2 20.2 30.4

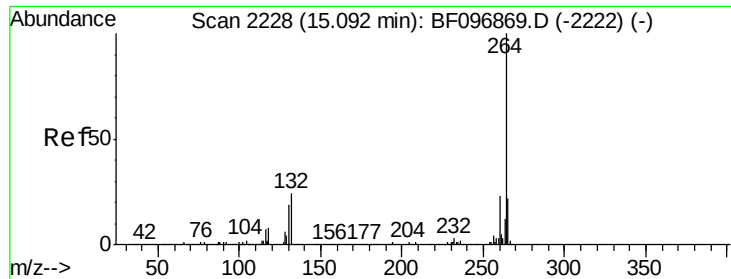


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

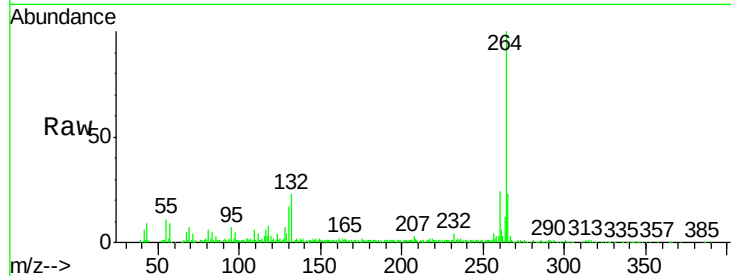




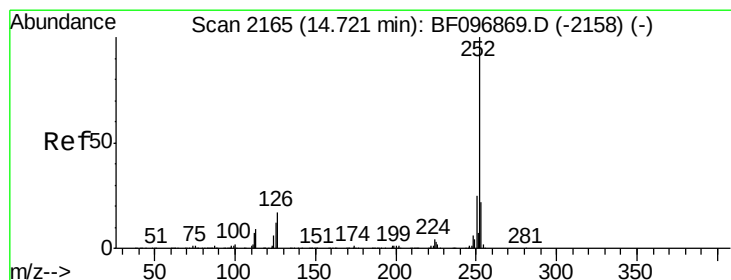
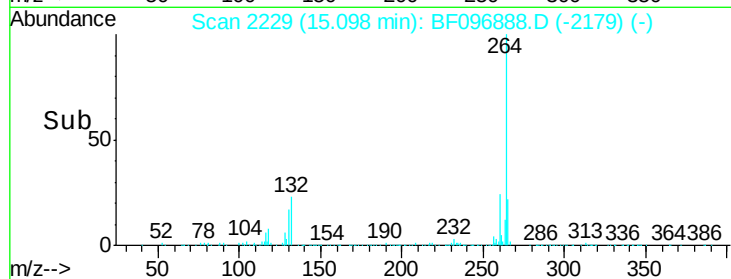
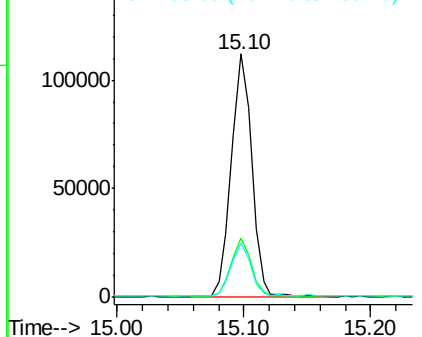
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.10 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF096888.D
Acq: 19 Jul 2017 23:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.5	17.2	25.8

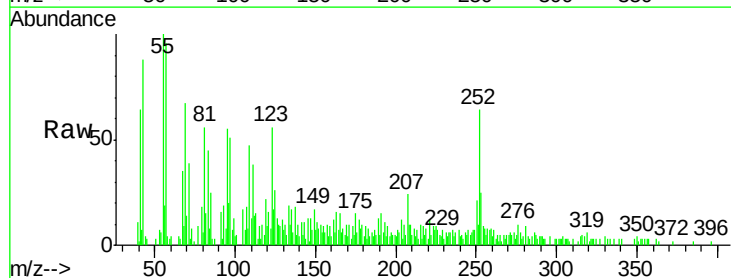


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

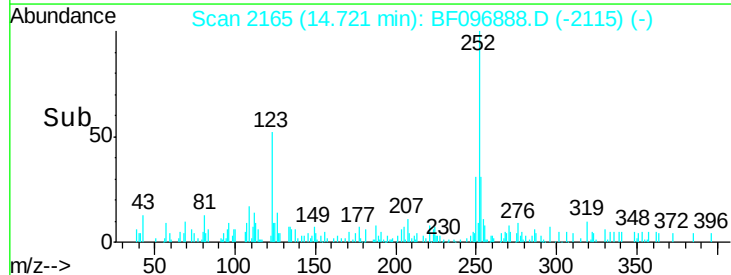
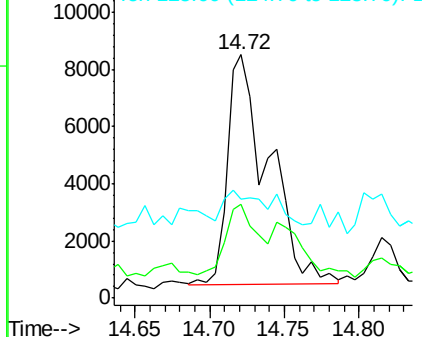


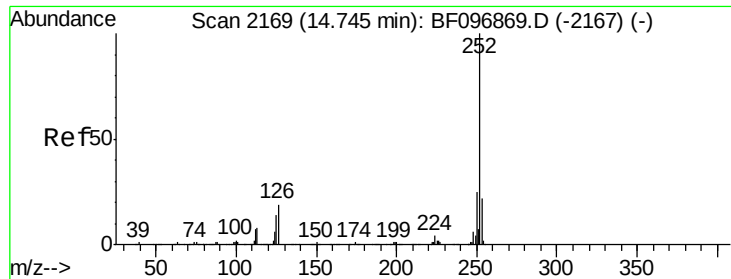
#87
Benzo(b)fluoranthene
Concen: 2.06 ng
RT: 14.72 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BF096888.D
Acq: 19 Jul 2017 23:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	38.4	18.1	27.1#
125	40.8	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: 2.17 ng

RT: 14.72 min Scan# 2165

Delta R.T. -0.04 min

Lab File: BF096888.D

Acq: 19 Jul 2017 23:44

Instrument :

BNA_F

ClientSampleId :

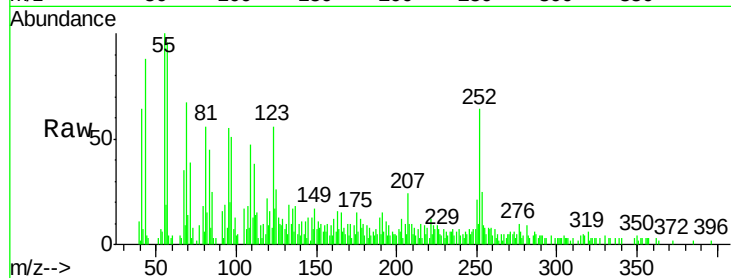
Tot Ion: 252 Resp: 15428

Ion Ratio Lower Upper

252 100

253 38.4 18.4 27.6#

125 40.8 13.1 19.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

