

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042117\
 Data File : BF094566.D
 Acq On : 21 Apr 2017 16:55
 Operator : SJ/MA
 Sample : I2783-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 21 23:34:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

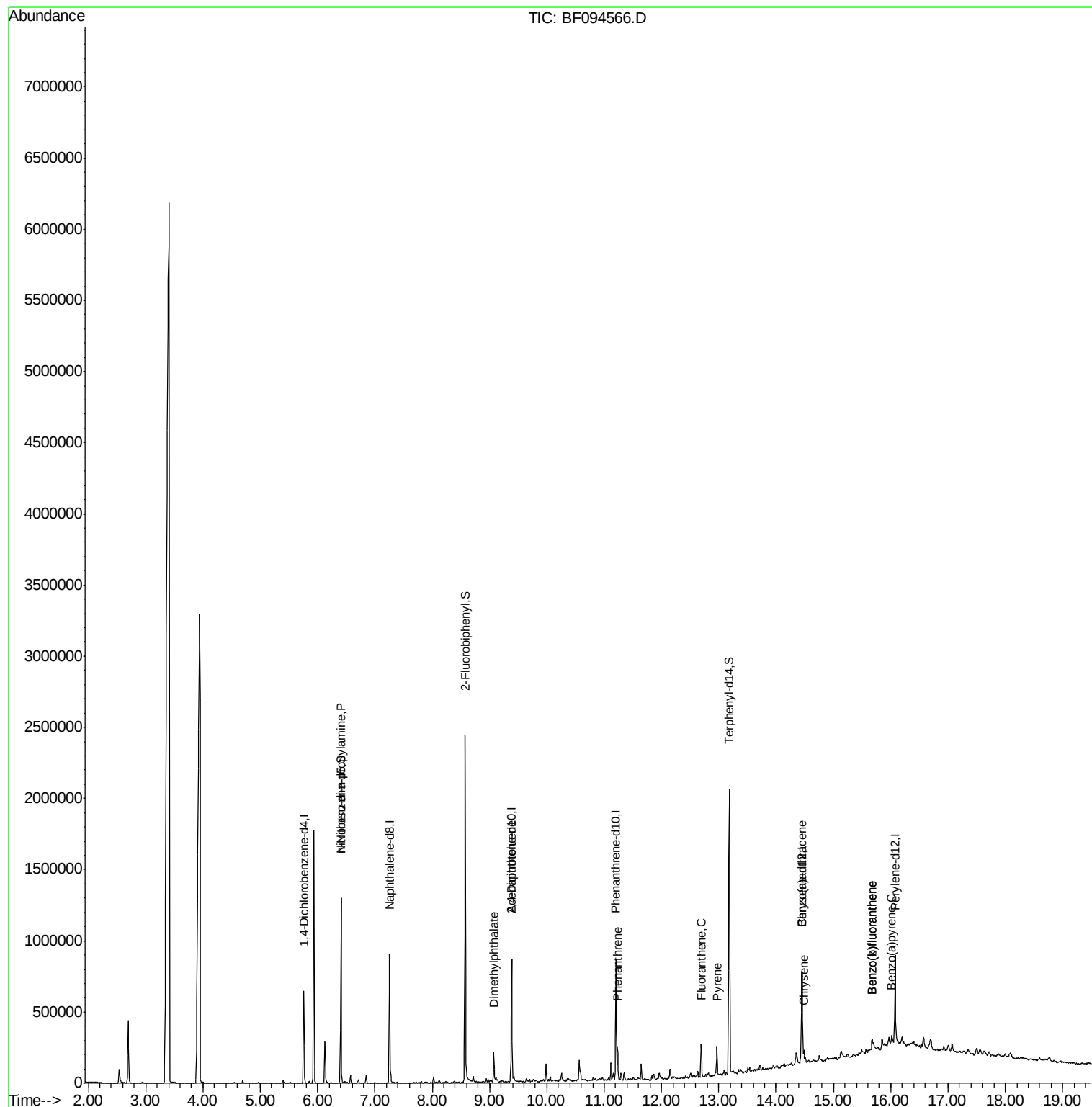
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	100729	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	423881	20.00	ng	0.00
38) Acenaphthene-d10	9.38	164	195519	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	348936	20.00	ng	-0.01
75) Chrysene-d12	14.45	240	265227	20.00	ng	-0.01
86) Perylene-d12	16.08	264	247478	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.34	112	135	0.02	ng	0.04
7) Phenol-d6	5.40	99	9452	1.32	ng	0.00
23) Nitrobenzene-d5	6.41	82	422878	61.60	ng	0.00
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	8.58	172	907380	68.28	ng	0.00
78) Terphenyl-d14	13.18	244	693473	69.89	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.41	70	55496	11.70	ng	Qvalue # 76
49) Dimethylphthalate	9.08	163	114931	7.89	ng	98
56) 2,4-Dinitrotoluene	9.38	165	25216	6.28	ng	# 32
70) Phenanthrene	11.23	178	91942	4.68	ng	97
74) Fluoranthene	12.70	202	99118	4.87	ng	98
77) Pyrene	12.97	202	84670	4.57	ng	97
80) Benzo(a)anthracene	14.44	228	36365	2.36	ng	95
82) Chrysene	14.48	228	34516	2.45	ng	# 94
87) Benzo(b)fluoranthene	15.68	252	55529	3.67	ng	# 90
88) Benzo(k)fluoranthene	15.68	252	55529	3.88	ng	# 93
89) Benzo(a)pyrene	16.02	252	28984	2.06	ng	# 87

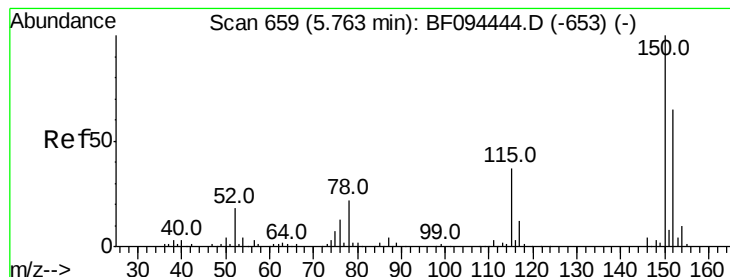
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.76 min Scan# 650

Delta R.T. -0.00 min

Lab File: BF094566.D

Acq: 21 Apr 2017 16:55

Instrument :

BNA_F

ClientSampled :

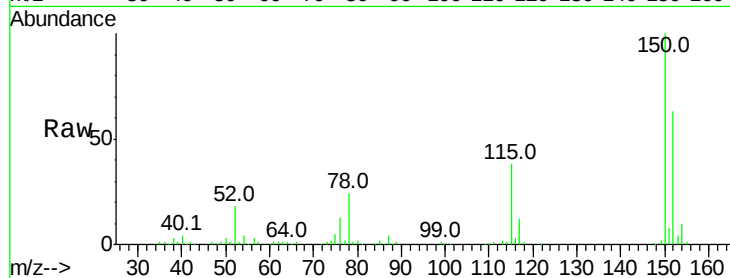
Tot Ion:152 Resp: 100729

Ion Ratio Lower Upper

152 100

150 157.9 126.2 189.2

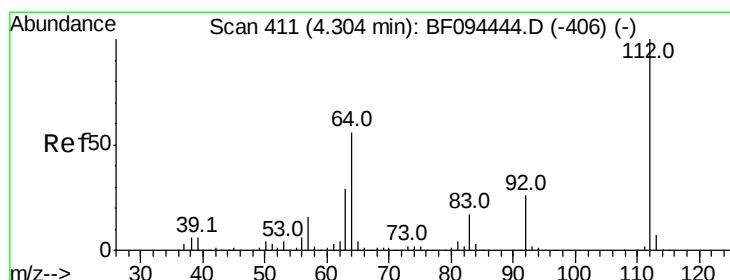
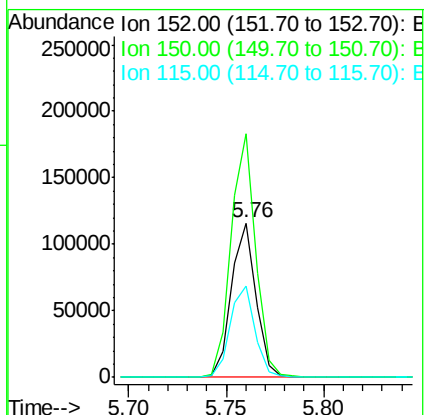
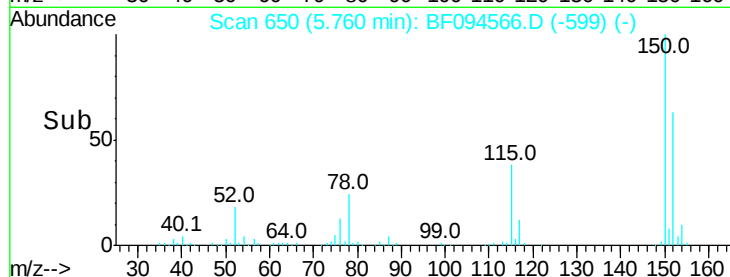
115 59.3 52.2 78.2



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: 0.02 ng

RT: 4.34 min Scan# 409

Delta R.T. 0.04 min

Lab File: BF094566.D

Acq: 21 Apr 2017 16:55

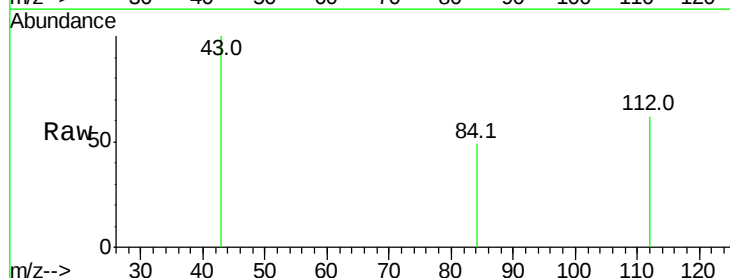
Tgt Ion:112 Resp: 135

Ion Ratio Lower Upper

112 100

64 0.0 46.0 69.0#

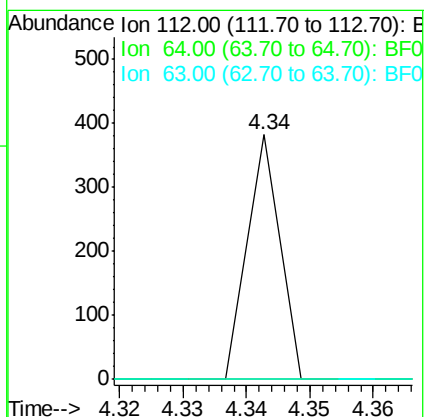
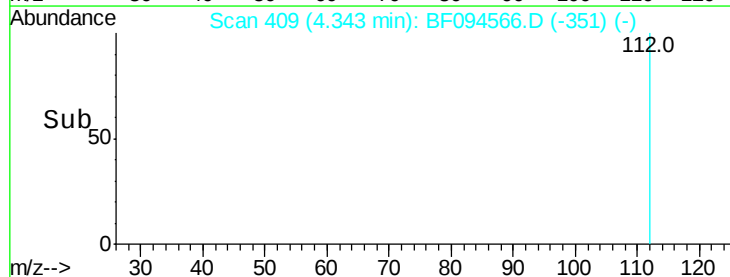
63 0.0 23.4 35.0#

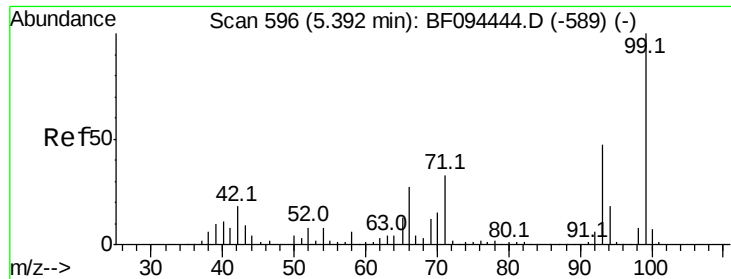


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 1.32 ng

RT: 5.40 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF094566.D

Acq: 21 Apr 2017 16:55

Instrument :

BNA_F

ClientSampleId :

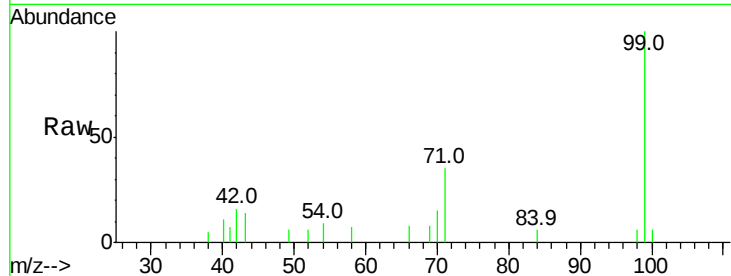
Tot Ion: 99 Resp: 9452

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

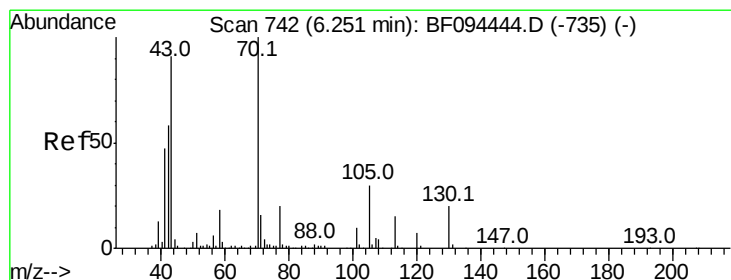
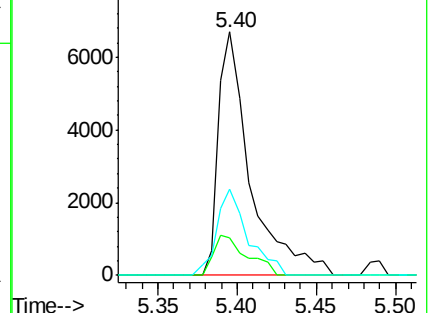
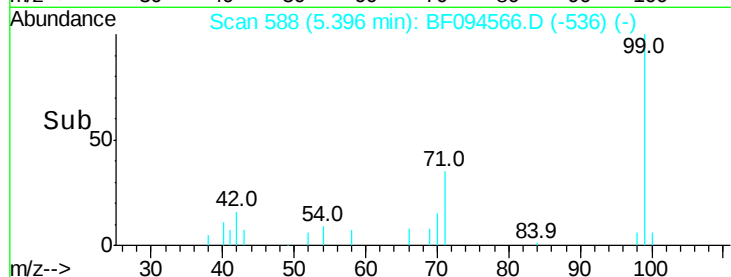
71 35.2 24.5 36.7



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: 11.70 ng

RT: 6.41 min Scan# 760

Delta R.T. 0.16 min

Lab File: BF094566.D

Acq: 21 Apr 2017 16:55

Tgt Ion: 70 Resp: 55496

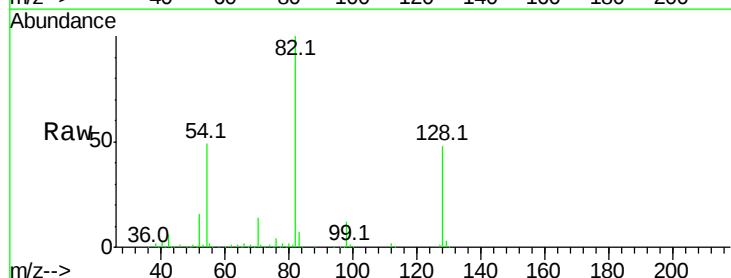
Ion Ratio Lower Upper

70 100

42 44.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

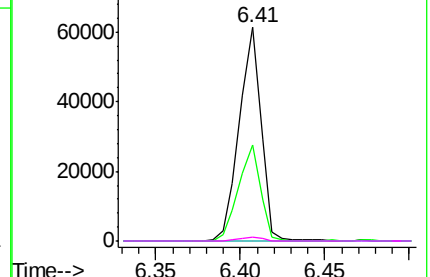
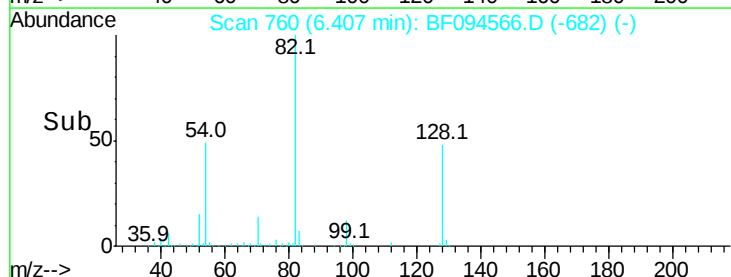


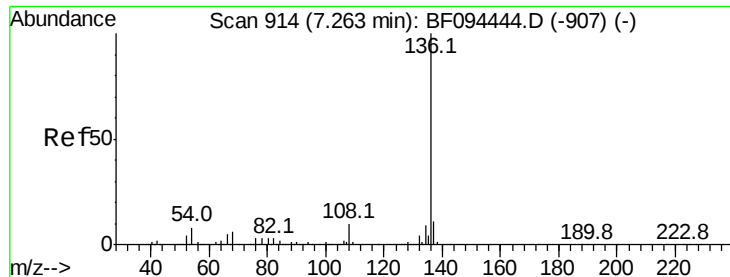
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.25 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF094566.D

Acq: 21 Apr 2017 16:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 423881

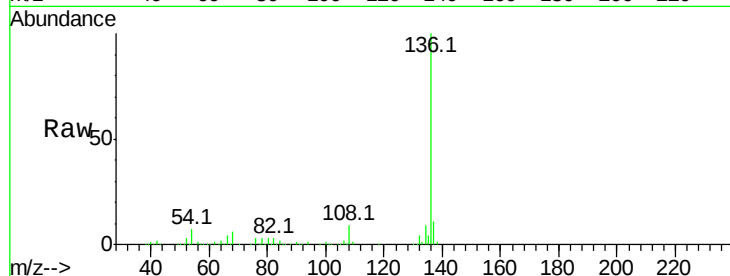
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 6.9 4.9 7.3

68 5.5 4.1 6.1

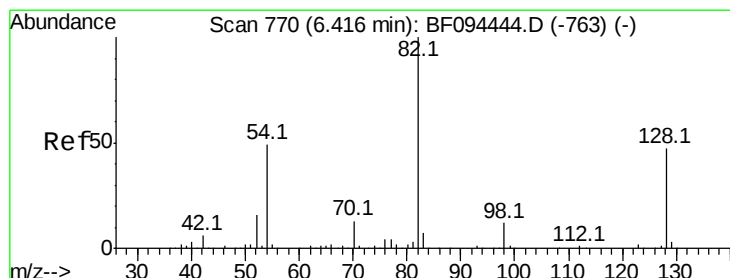
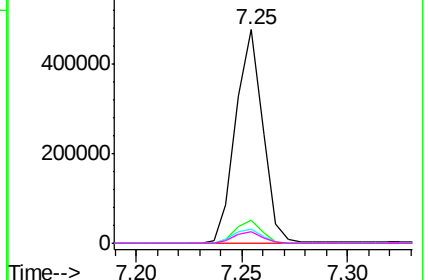
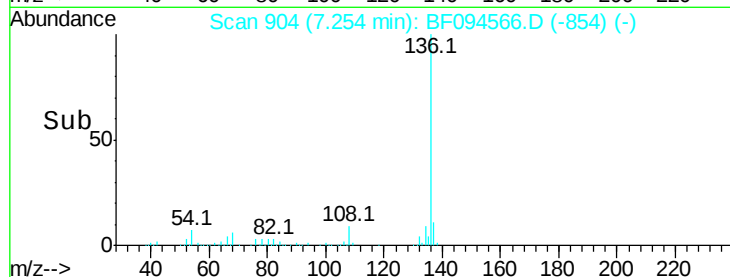


Abundance Ion 136.00 (135.70 to 136.70): E

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: 61.60 ng

RT: 6.41 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF094566.D

Acq: 21 Apr 2017 16:55

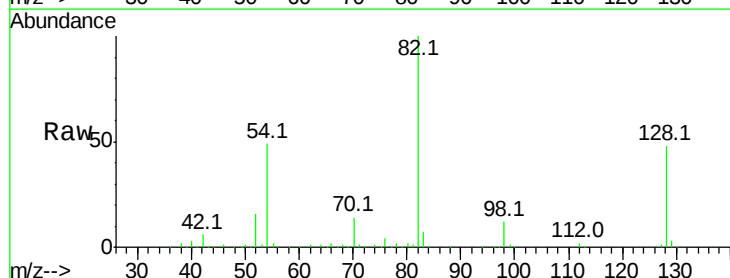
Tgt Ion: 82 Resp: 422878

Ion Ratio Lower Upper

82 100

128 47.5 34.0 51.0

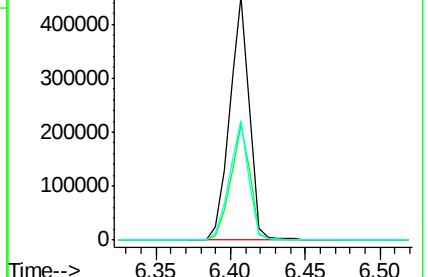
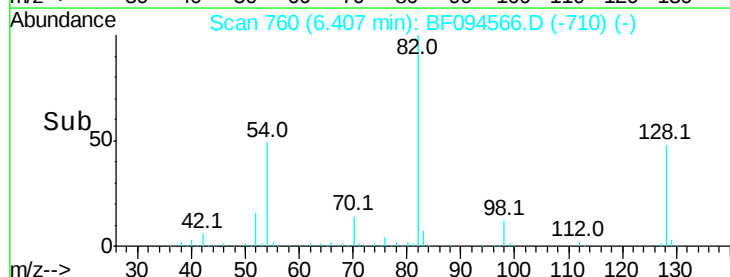
54 49.2 42.2 63.2

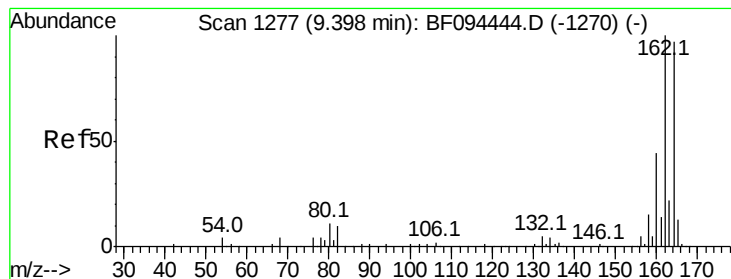


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.38 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BF094566.D

Acq: 21 Apr 2017 16:55

Instrument :

BNA_F

ClientSampleId :

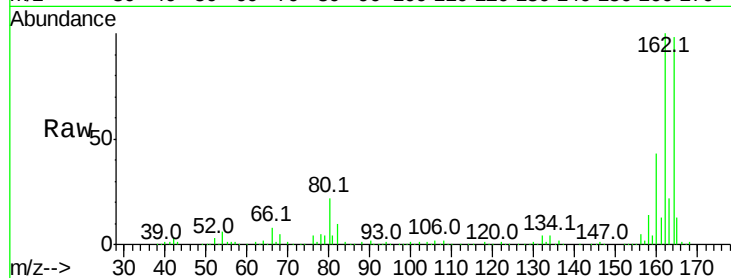
Tot Ion:164 Resp: 195519

Ion Ratio Lower Upper

164 100

162 101.7 82.6 123.8

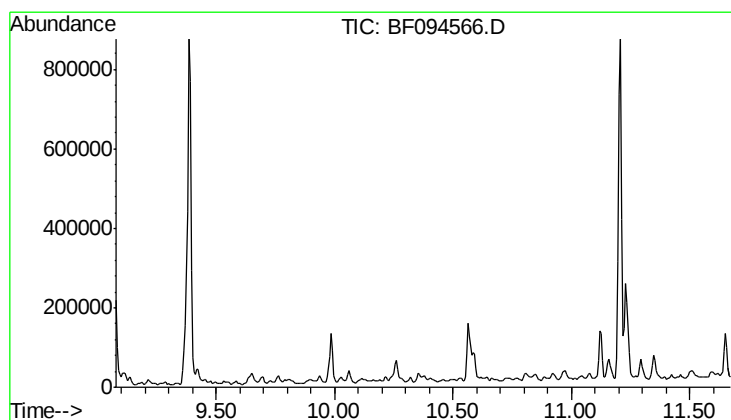
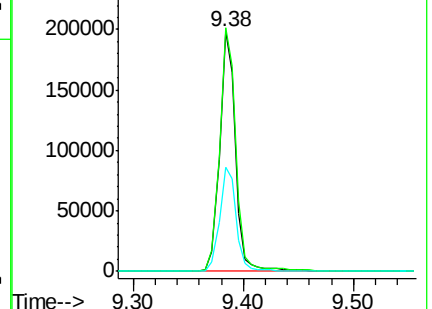
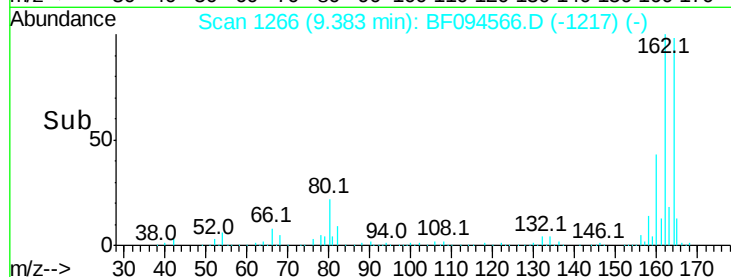
160 43.6 36.2 54.2



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: 0.00 ng

Expected RT: 10.37 min

Lab File: BF094566.D

Acq: 21 Apr 2017 16:55

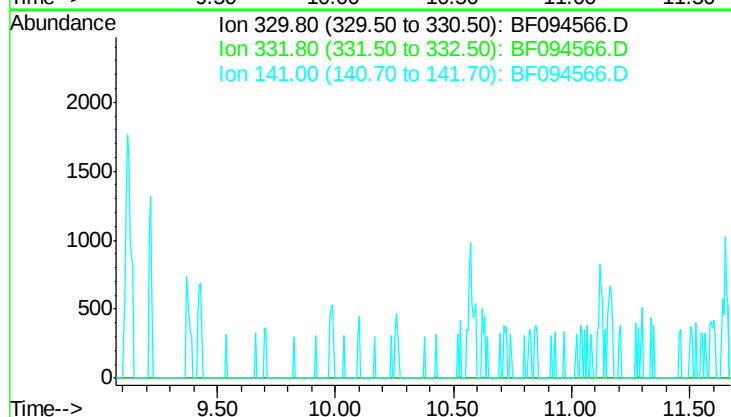
Tgt Ion: 330

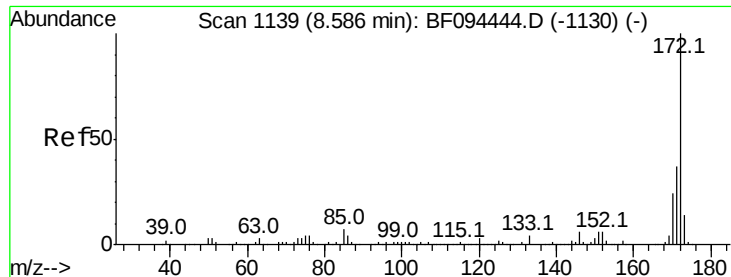
Sig Exp Ratio

330 100

332 95.8

141 39.3

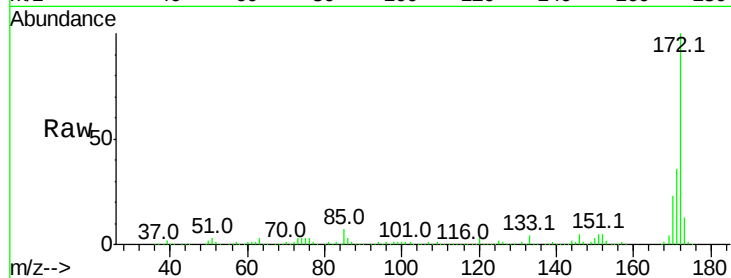




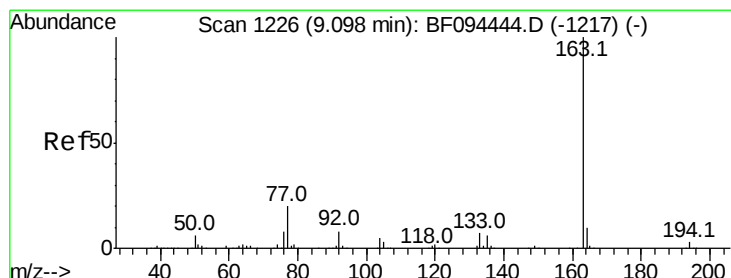
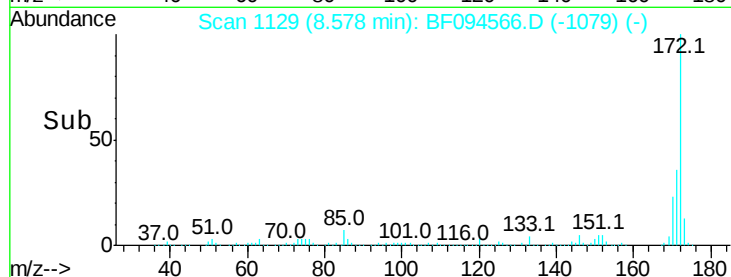
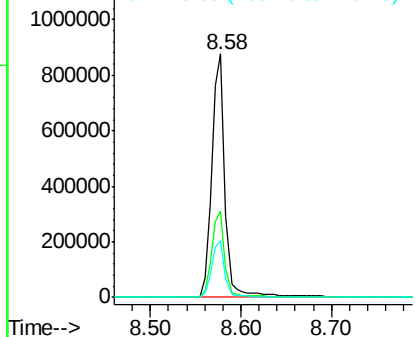
#44
2-Fluorobiphenyl
Concen: 68.28 ng
RT: 8.58 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF094566.D
Acq: 21 Apr 2017 16:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 907380
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 23.3 19.8 29.8

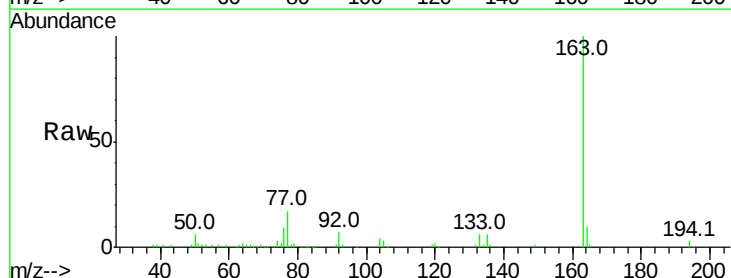


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

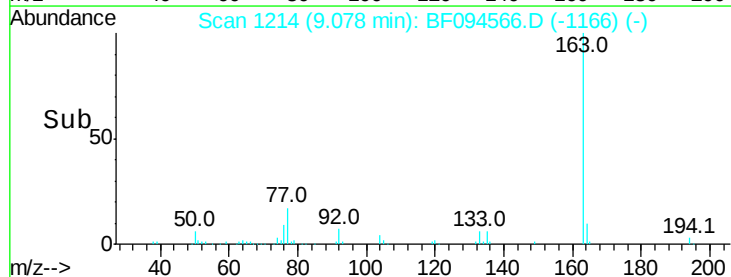
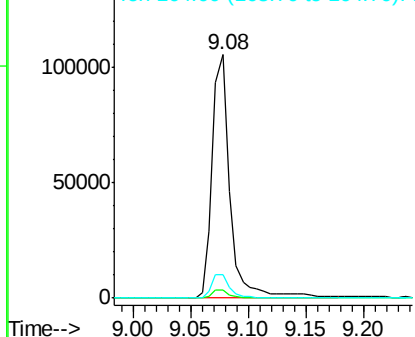


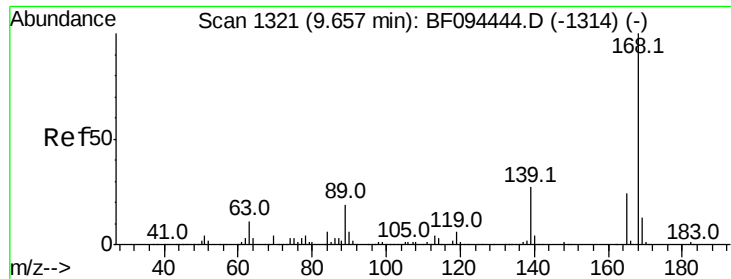
#49
Dimethylphthalate
Concen: 7.89 ng
RT: 9.08 min Scan# 1214
Delta R.T. -0.02 min
Lab File: BF094566.D
Acq: 21 Apr 2017 16:55

Tgt Ion:163 Resp: 114931
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.7 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

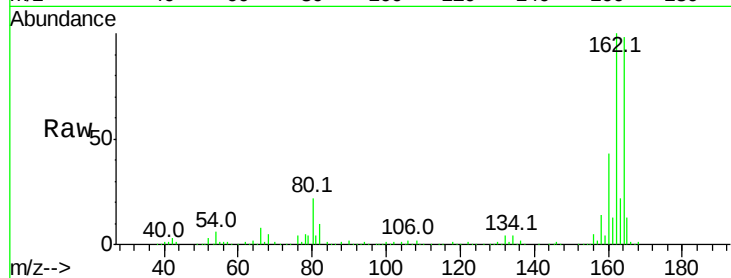




#56
 2,4-Dinitrotoluene
 Concen: 6.28 ng
 RT: 9.38 min Scan# 1266
 Delta R.T. -0.27 min
 Lab File: BF094566.D
 Acq: 21 Apr 2017 16:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	25216
Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#

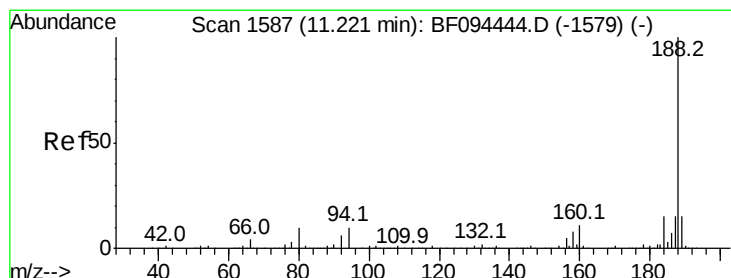
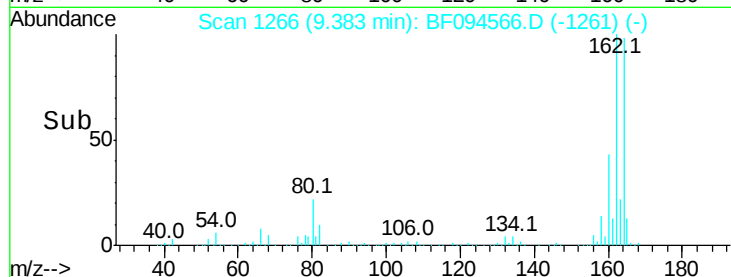
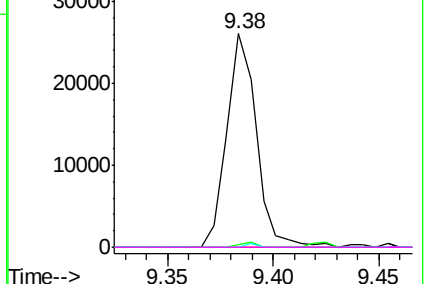


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

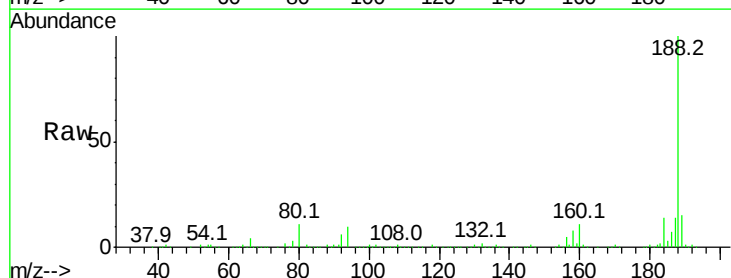
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF094566.D
 Acq: 21 Apr 2017 16:55

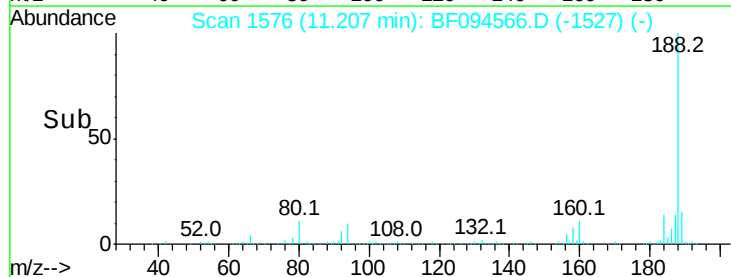
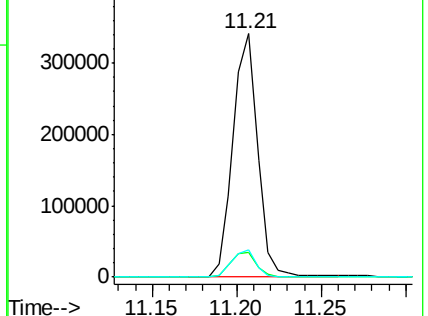
Tgt Ion:	188	Resp:	348936
Ion	Ratio	Lower	Upper
188	100		
94	10.4	9.4	14.2
80	11.1	10.2	15.2

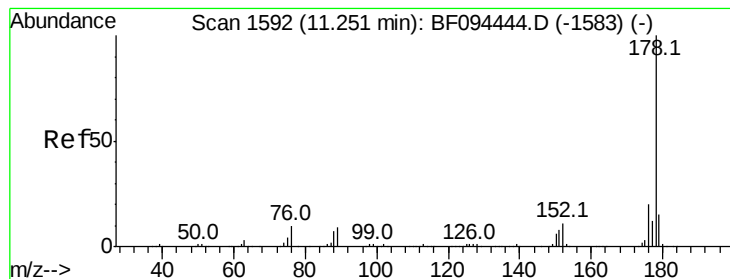


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 4.68 ng

RT: 11.23 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF094566.D

Acq: 21 Apr 2017 16:55

Instrument :

BNA_F

ClientSampleId :

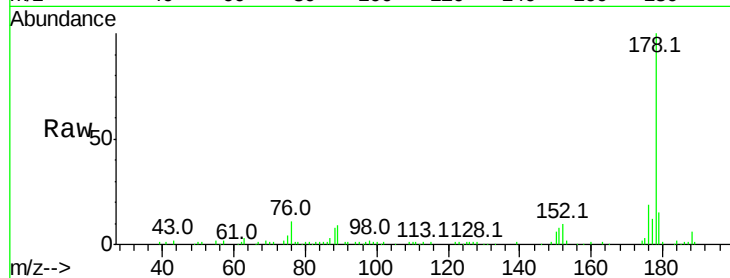
Tot Ion:178 Resp: 91942

Ion Ratio Lower Upper

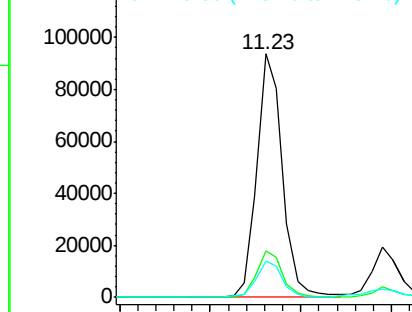
178 100

176 19.0 16.2 24.4

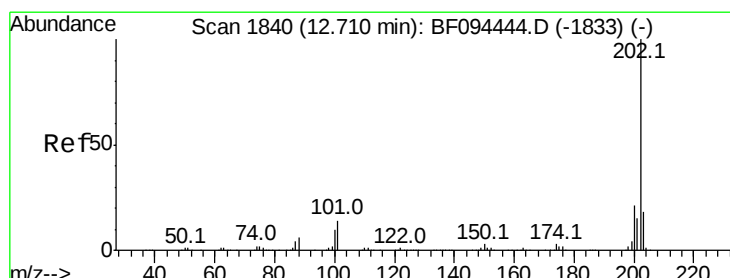
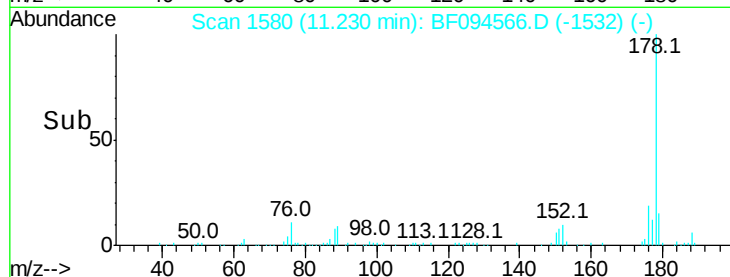
179 14.8 12.6 19.0



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



Time--> 11.15 11.20 11.25



#74

Fluoranthene

Concen: 4.87 ng

RT: 12.70 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF094566.D

Acq: 21 Apr 2017 16:55

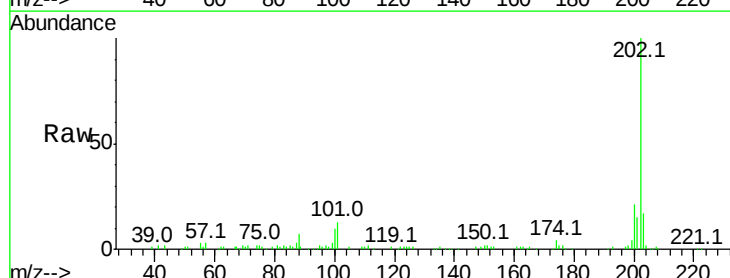
Tgt Ion:202 Resp: 99118

Ion Ratio Lower Upper

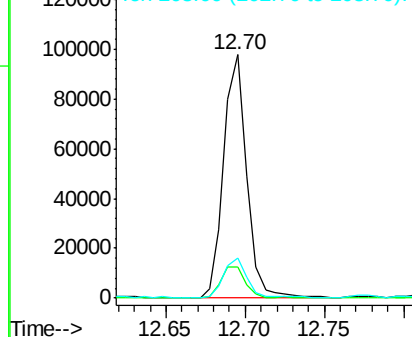
202 100

101 13.0 0.0 33.2

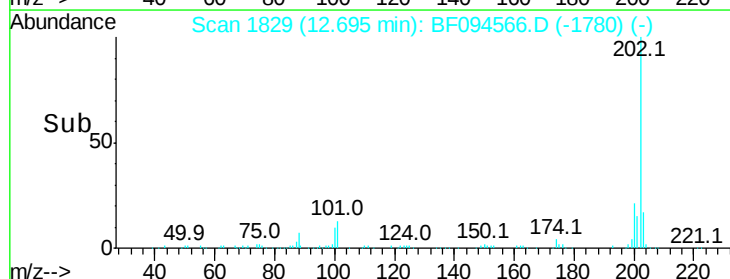
203 16.7 0.0 38.1

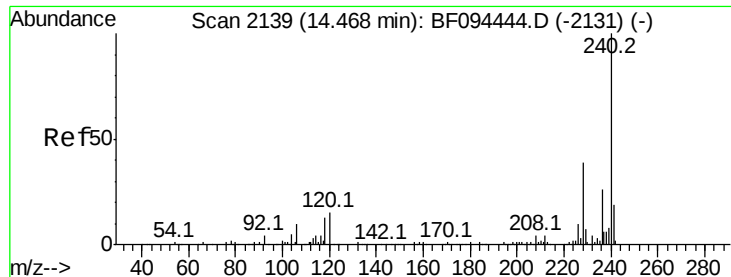


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 12.65 12.70 12.75





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.45 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF094566.D

Acq: 21 Apr 2017 16:55

Instrument :

BNA_F

ClientSampleId :

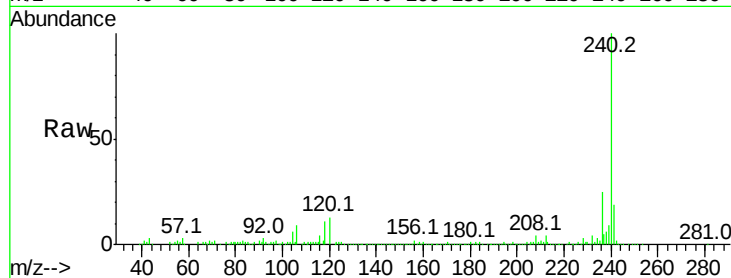
Tot Ion:240 Resp: 265227

Ion Ratio Lower Upper

240 100

120 13.1 5.8 8.8#

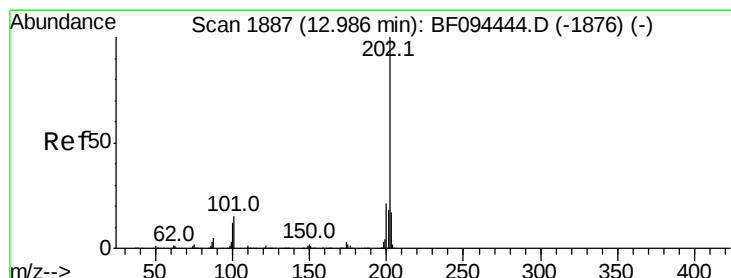
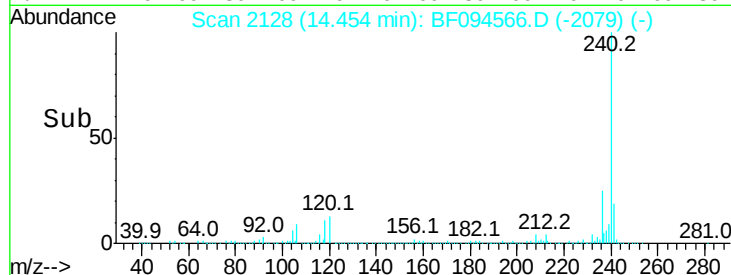
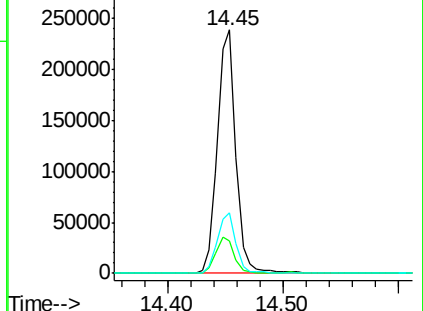
236 24.8 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.57 ng

RT: 12.97 min Scan# 1875

Delta R.T. -0.02 min

Lab File: BF094566.D

Acq: 21 Apr 2017 16:55

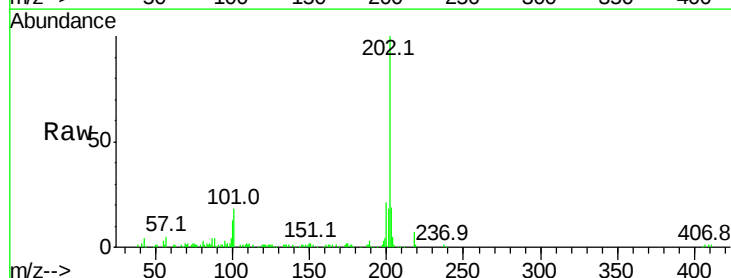
Tgt Ion:202 Resp: 84670

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

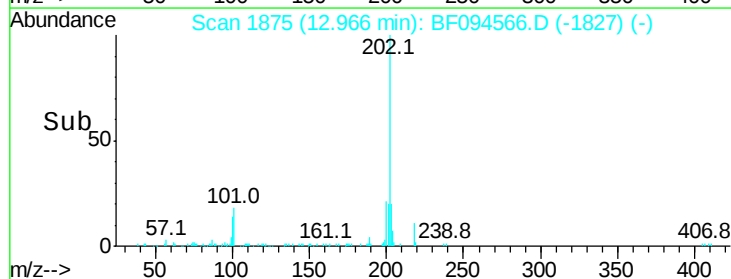
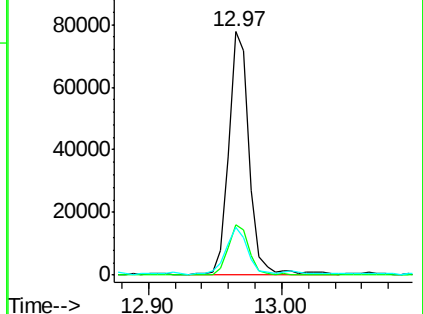
203 19.5 14.4 21.6

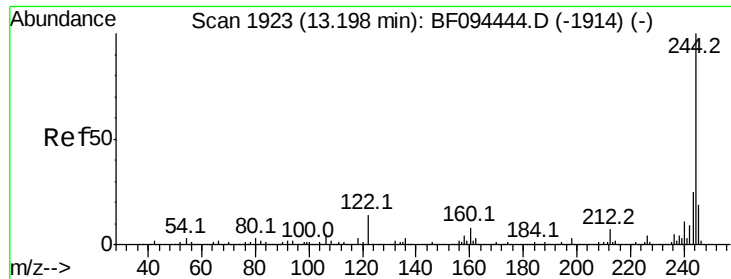


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

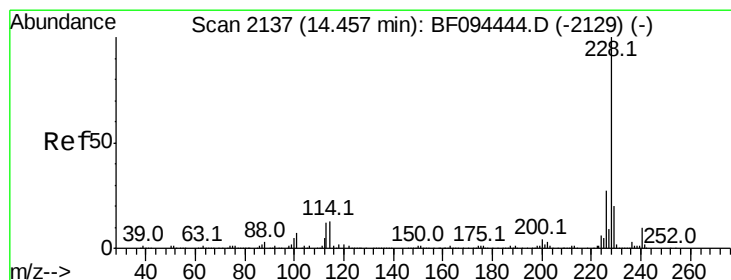
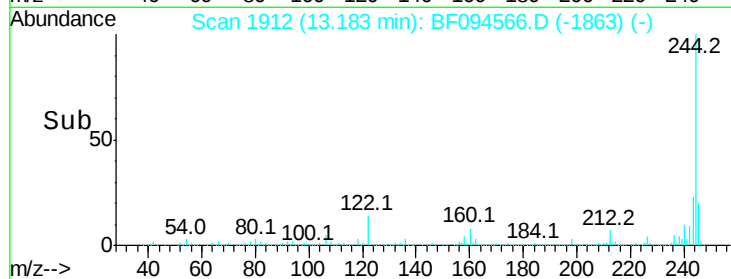
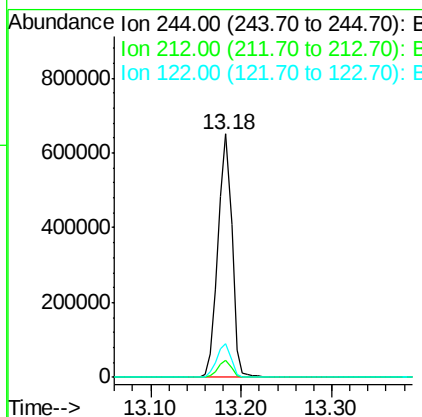
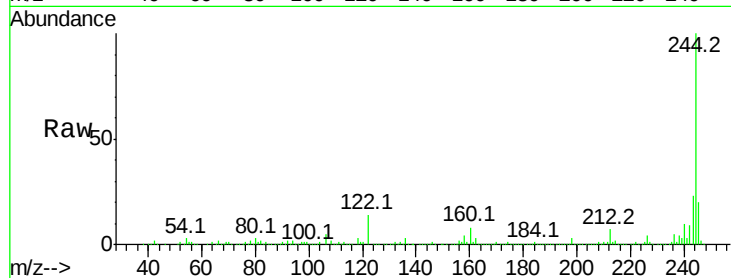




#78
 Terphenyl-d14
 Concen: 69.89 ng
 RT: 13.18 min Scan# 1912
 Delta R.T. -0.01 min
 Lab File: BF094566.D
 Acq: 21 Apr 2017 16:55

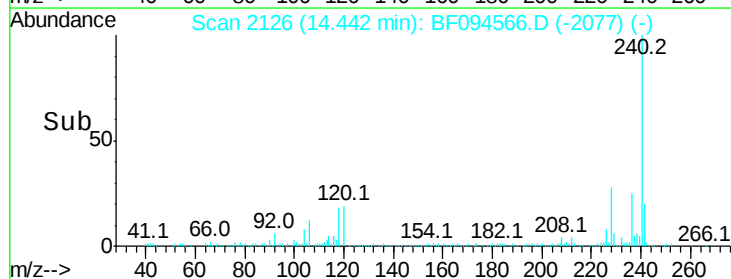
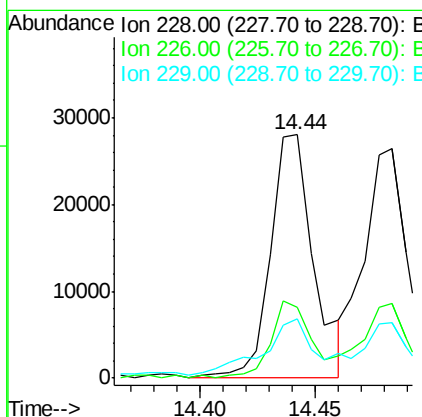
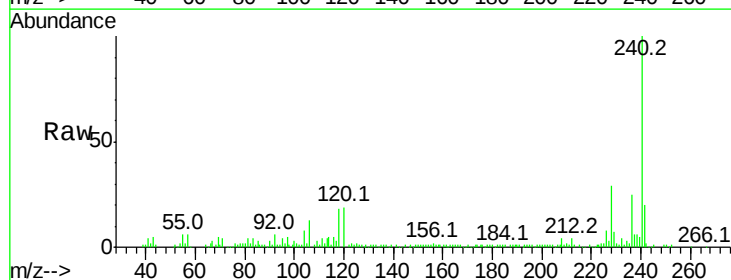
Instrument :
 BNA_F
 ClientSampleId :

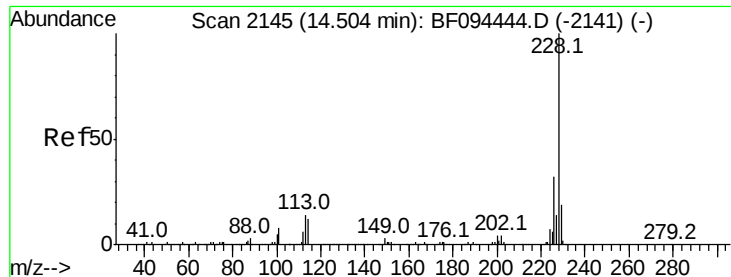
Tot Ion:244 Resp: 693473
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 14.0 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.36 ng
 RT: 14.44 min Scan# 2126
 Delta R.T. -0.01 min
 Lab File: BF094566.D
 Acq: 21 Apr 2017 16:55

Tgt Ion:228 Resp: 36365
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.6 33.8
 229 24.4 16.3 24.5

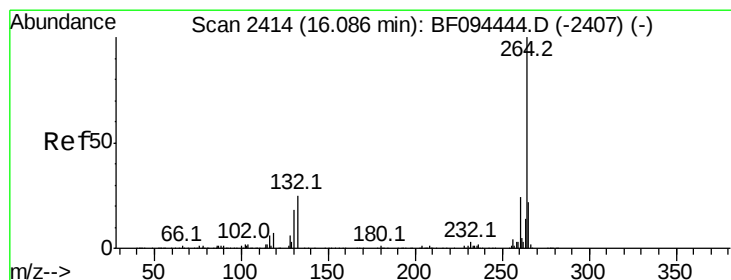
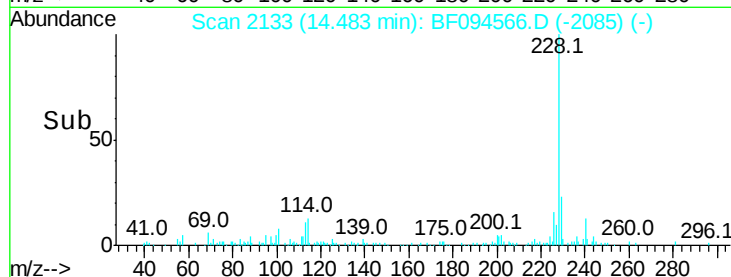
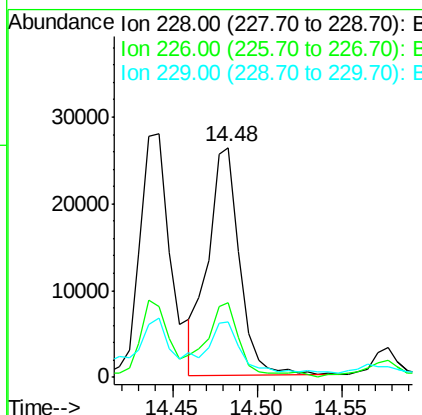
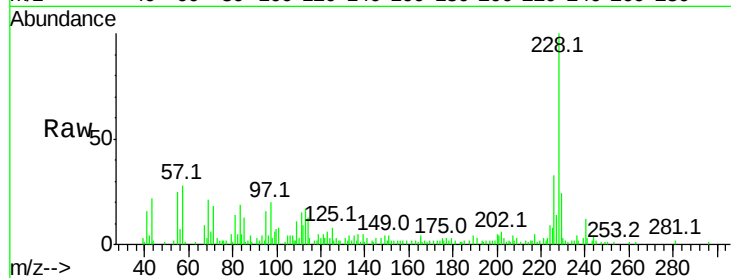




#82
Chrysene
Concen: 2.45 ng
RT: 14.48 min Scan# 2133
Delta R.T. -0.02 min
Lab File: BF094566.D
Acq: 21 Apr 2017 16:55

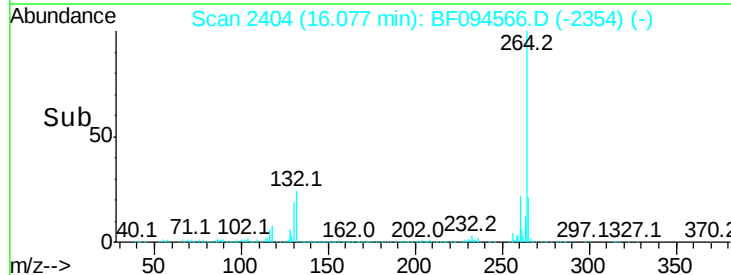
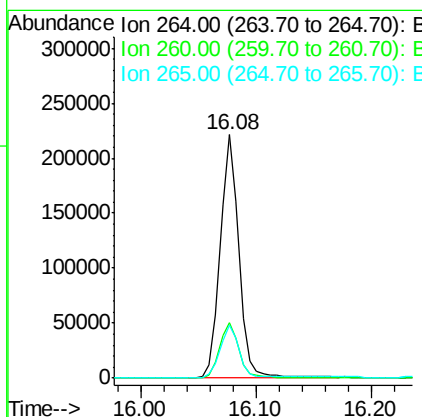
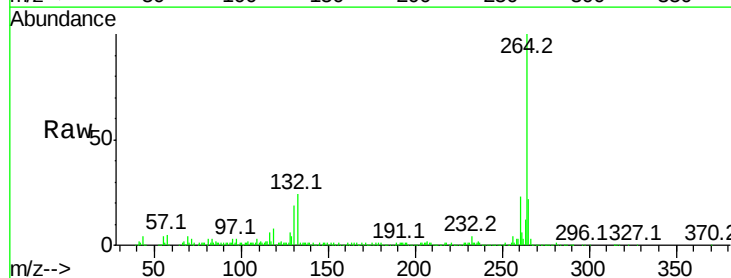
Instrument :
BNA_F
ClientSampleId :

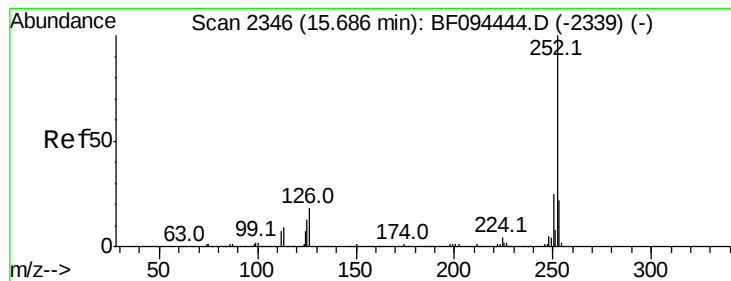
Tot Ion:228 Resp: 34516
Ion Ratio Lower Upper
228 100
226 32.7 24.9 37.3
229 24.3 15.8 23.6#



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2404
Delta R.T. -0.01 min
Lab File: BF094566.D
Acq: 21 Apr 2017 16:55

Tgt Ion:264 Resp: 247478
Ion Ratio Lower Upper
264 100
260 22.7 19.5 29.3
265 21.7 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 3.67 ng

RT: 15.68 min Scan# 2336

Delta R.T. -0.01 min

Lab File: BF094566.D

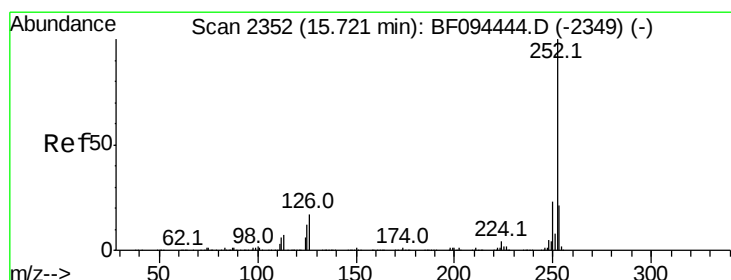
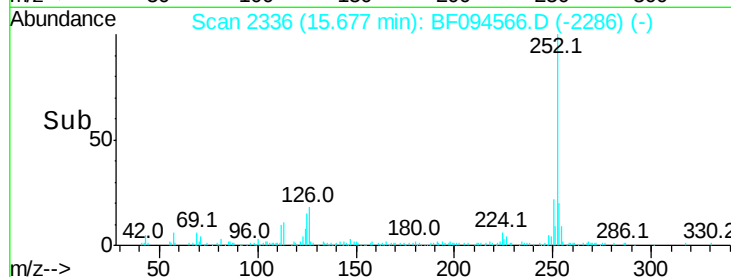
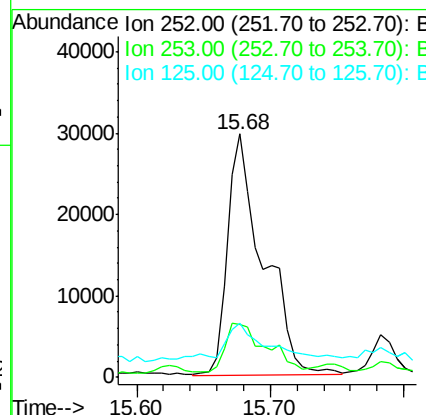
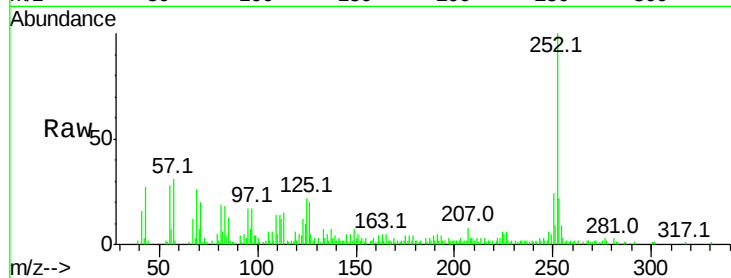
Acq: 21 Apr 2017 16:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	55529
Ion Ratio	Lower	Upper
252	100	
253	21.6	18.1 27.1
125	22.1	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 3.88 ng

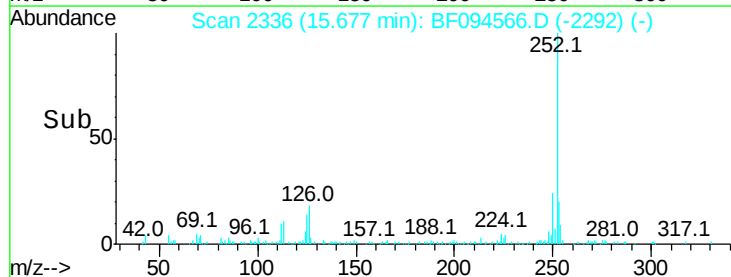
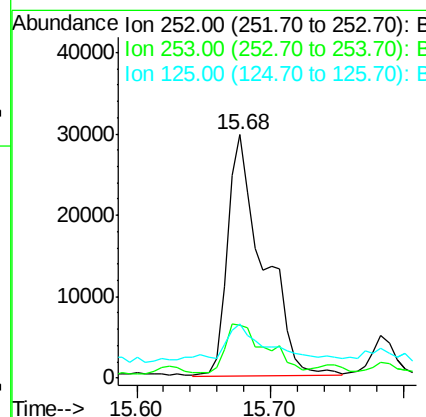
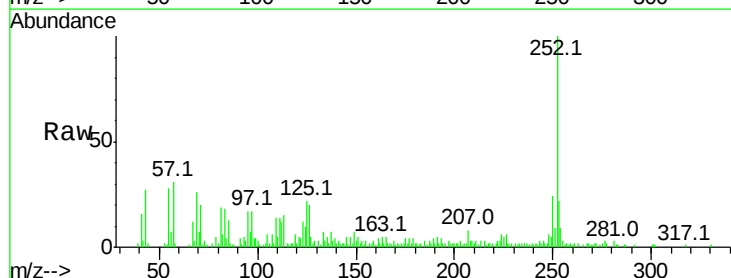
RT: 15.68 min Scan# 2336

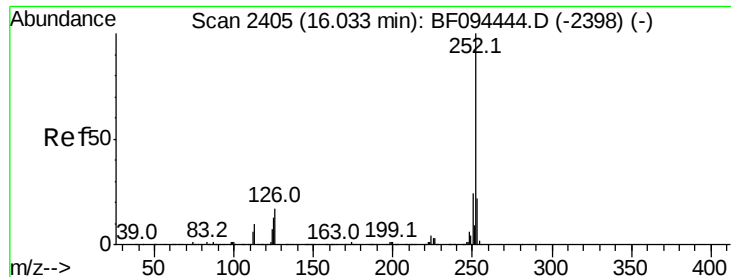
Delta R.T. -0.04 min

Lab File: BF094566.D

Acq: 21 Apr 2017 16:55

Tgt Ion:252	Resp:	55529
Ion Ratio	Lower	Upper
252	100	
253	21.6	18.4 27.6
125	22.1	13.1 19.7#





#89

Benzo(a)pyrene

Concen: 2.06 ng

RT: 16.02 min Scan# 2394

Delta R.T. -0.01 min

Lab File: BF094566.D

Acq: 21 Apr 2017 16:55

Instrument :

BNA_F

ClientSampleId :

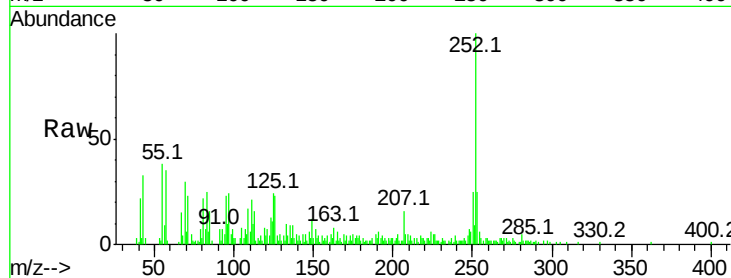
Tot Ion:252 Resp: 28984

Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

125 23.6 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

