

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042117\
 Data File : BF094568.D
 Acq On : 21 Apr 2017 17:51
 Operator : SJ/MA
 Sample : I2784-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 21 23:35:02 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

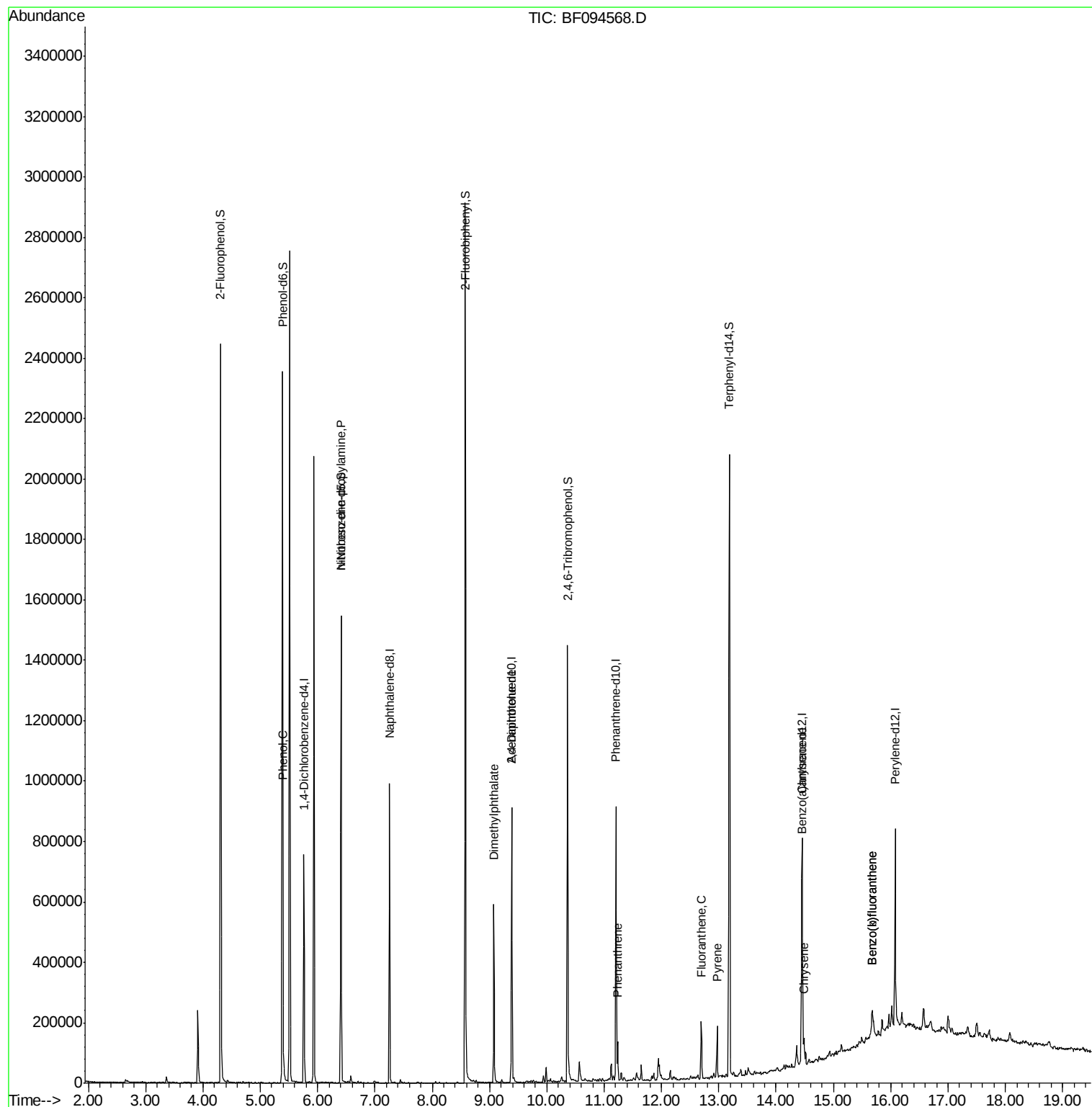
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	111055	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	443517	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	209323	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	354555	20.00	ng	-0.01
75) Chrysene-d12	14.45	240	274362	20.00	ng	-0.01
86) Perylene-d12	16.08	264	256986	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	755114	112.81	ng	0.00
7) Phenol-d6	5.39	99	918840	116.44	ng	0.00
23) Nitrobenzene-d5	6.41	82	560100	77.98	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	189118	115.51	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1017964	71.55	ng	0.00
78) Terphenyl-d14	13.18	244	753903	73.45	ng	-0.01
Target Compounds						Qvalue
10) Phenol	5.40	94	53602	5.53	ng	88
19) n-Nitroso-di-n-propylamine	6.41	70	74034	14.16	ng	# 76
49) Dimethylphthalate	9.08	163	256458	16.44	ng	99
56) 2,4-Dinitrotoluene	9.39	165	26750	6.23	ng	# 33
70) Phenanthrene	11.24	178	49246	2.47	ng	97
74) Fluoranthene	12.69	202	83121	4.02	ng	98
77) Pyrene	12.97	202	73555	3.84	ng	99
80) Benzo(a)anthracene	14.44	228	35184	2.21	ng	95
82) Chrysene	14.48	228	33443	2.29	ng	97
87) Benzo(b)fluoranthene	15.68	252	58385	3.71	ng	# 91
88) Benzo(k)fluoranthene	15.68	252	58385	3.92	ng	# 95

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

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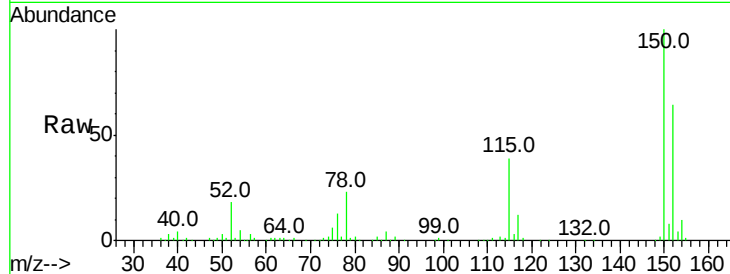


#1

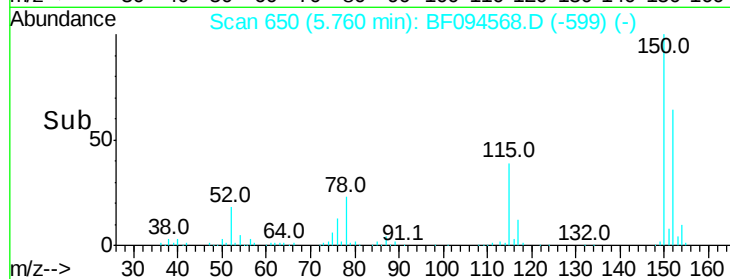
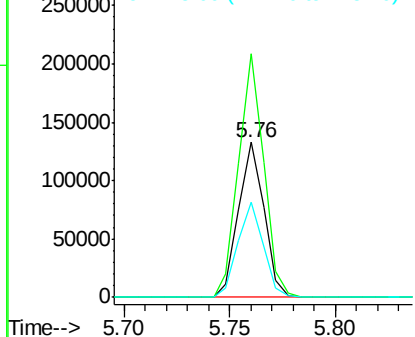
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF094568.D
Acq: 21 Apr 2017 17:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 111055
Ion Ratio Lower Upper
152 100
150 157.3 126.2 189.2
115 61.6 52.2 78.2



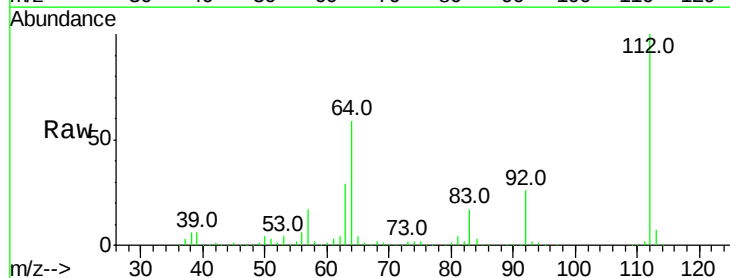
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



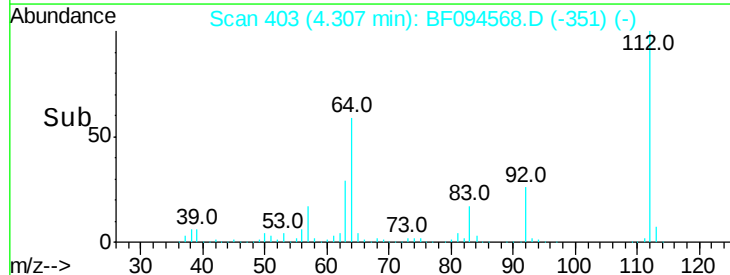
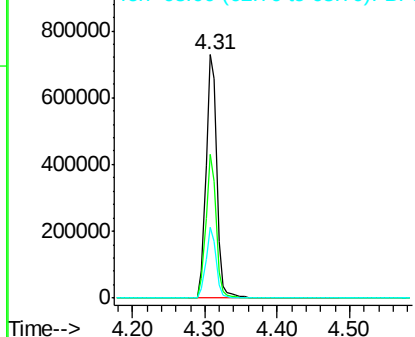
#5

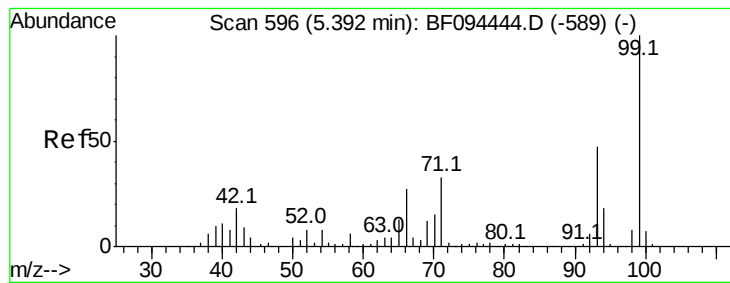
2-Fluorophenol
Concen: 112.81 ng
RT: 4.31 min Scan# 403
Delta R.T. 0.00 min
Lab File: BF094568.D
Acq: 21 Apr 2017 17:51

Tgt Ion:112 Resp: 755114
Ion Ratio Lower Upper
112 100
64 58.8 46.0 69.0
63 29.1 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: 116.44 ng

RT: 5.39 min Scan# 587

Delta R.T. -0.00 min

Lab File: BF094568.D

Acq: 21 Apr 2017 17:51

Instrument :

BNA_F

ClientSampled :

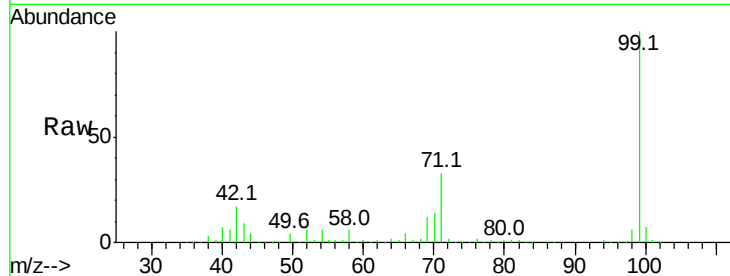
Tot Ion: 99 Resp: 918840

Ion Ratio Lower Upper

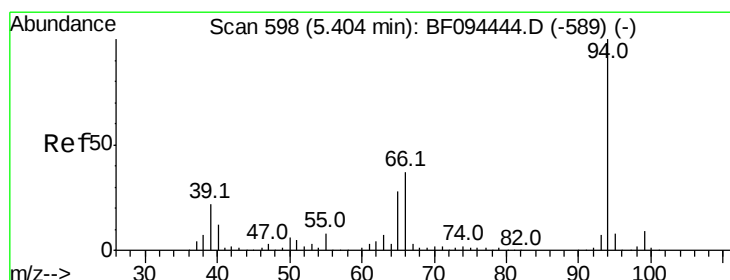
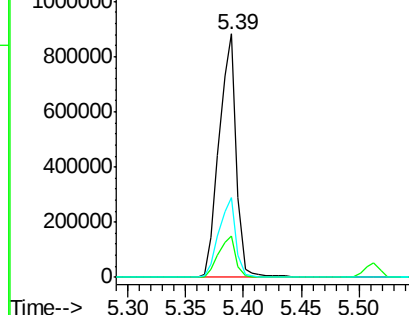
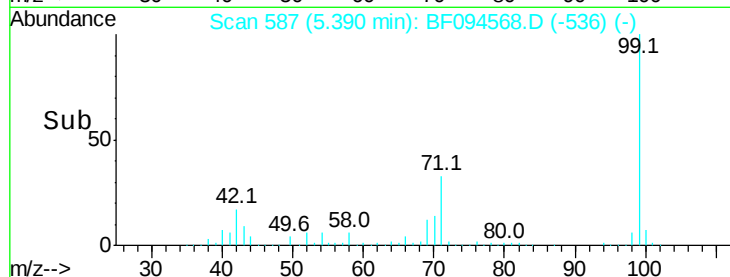
99 100

42 17.0 13.5 20.3

71 32.6 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: 5.53 ng

RT: 5.40 min Scan# 589

Delta R.T. -0.00 min

Lab File: BF094568.D

Acq: 21 Apr 2017 17:51

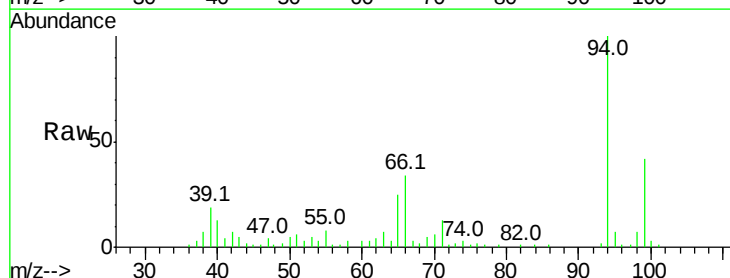
Tgt Ion: 94 Resp: 53602

Ion Ratio Lower Upper

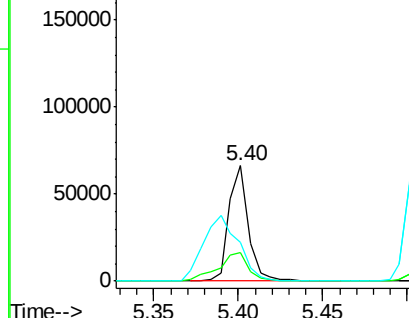
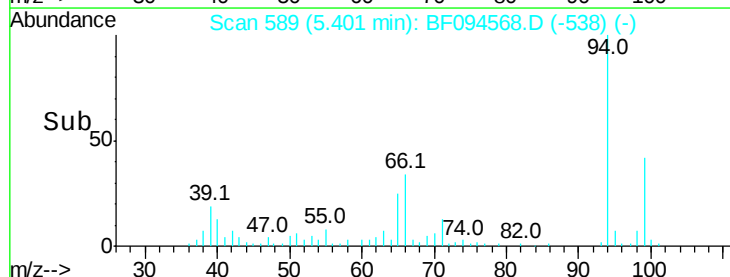
94 100

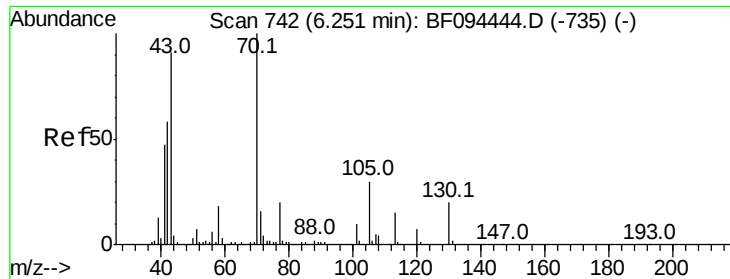
65 24.9 9.9 49.9

66 33.8 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

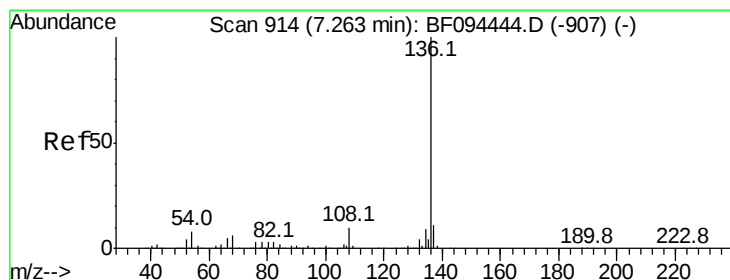
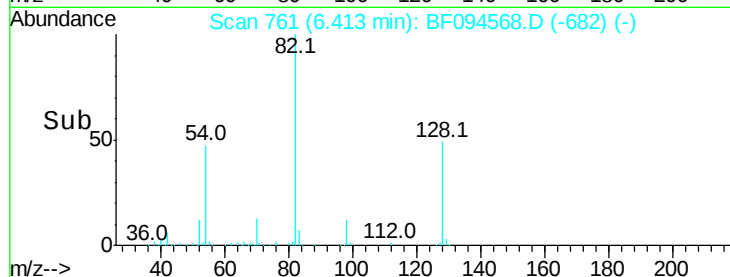
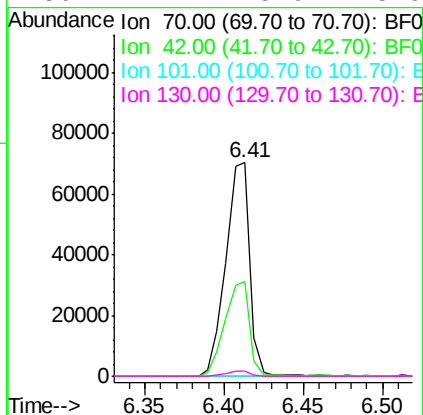
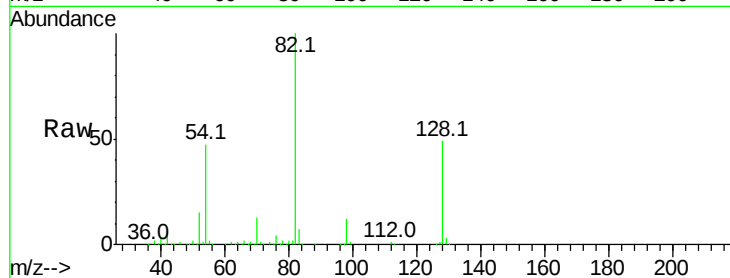




#19
n-Nitroso-di-n-propylamine
Concen: 14.16 ng
RT: 6.41 min Scan# 761
Delta R.T. 0.16 min
Lab File: BF094568.D
Acq: 21 Apr 2017 17:51

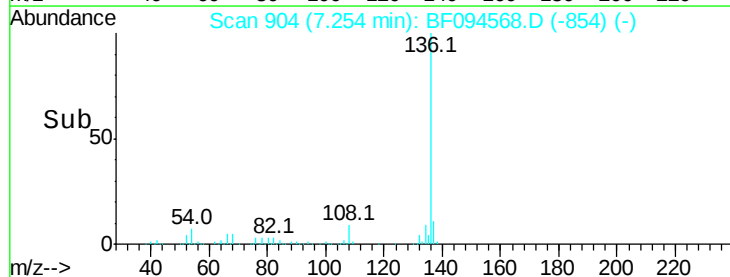
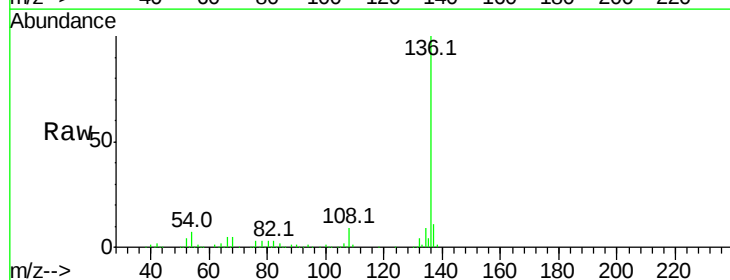
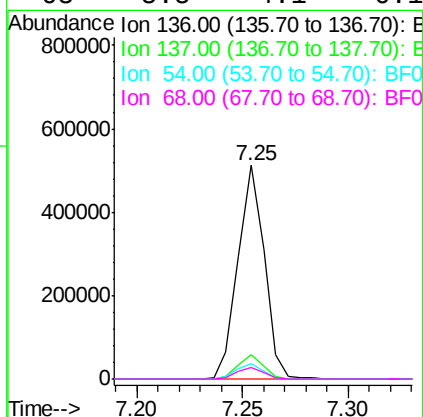
Instrument :
BNA_F
ClientSampled :

Tot Ion: 70 Resp: 74034
Ion Ratio Lower Upper
70 100
42 44.5 47.2 70.8#
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.25 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF094568.D
Acq: 21 Apr 2017 17:51

Tgt Ion:136 Resp: 443517
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 7.0 4.9 7.3
68 5.5 4.1 6.1

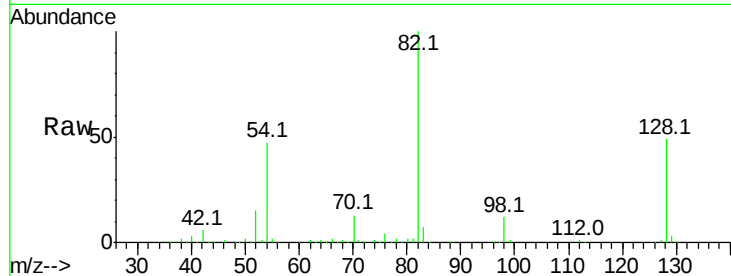




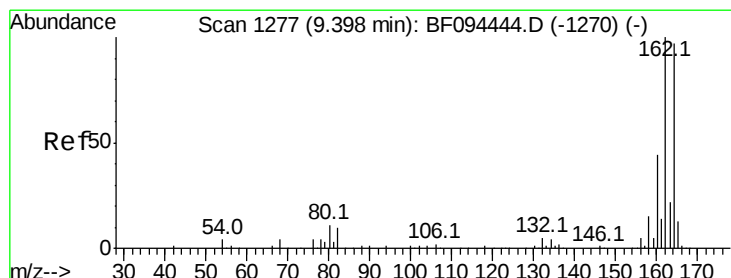
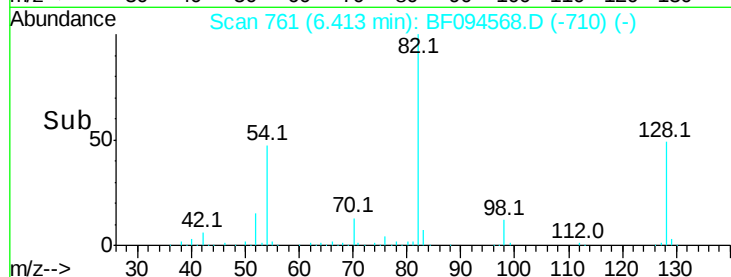
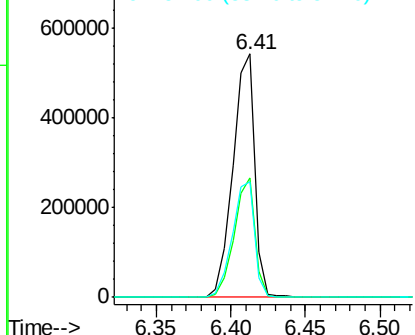
#23
Nitrobenzene-d5
Concen: 77.98 ng
RT: 6.41 min Scan# 761
Delta R.T. -0.00 min
Lab File: BF094568.D
Acq: 21 Apr 2017 17:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	560100
Ion	Ratio	Lower	Upper
82	100		
128	48.9	34.0	51.0
54	47.3	42.2	63.2

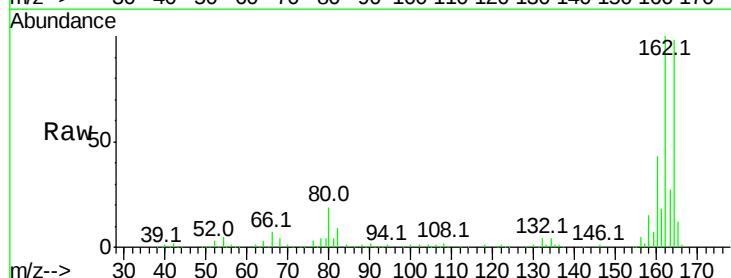


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

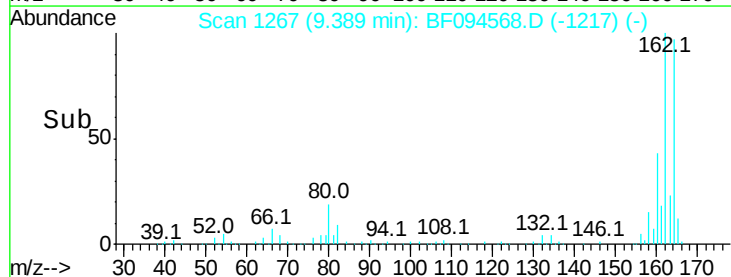
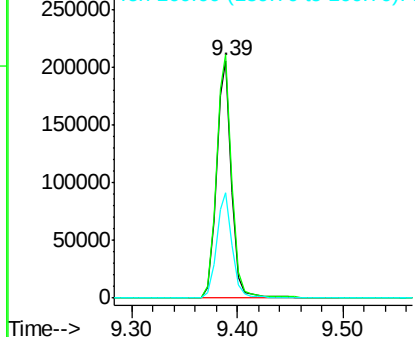


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.39 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF094568.D
Acq: 21 Apr 2017 17:51

Tgt Ion	164	Resp	209323
Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.6	123.8
160	44.3	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

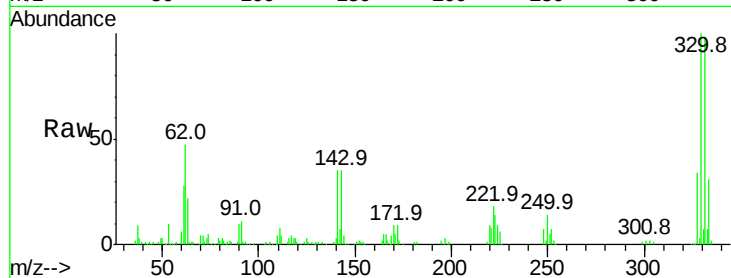




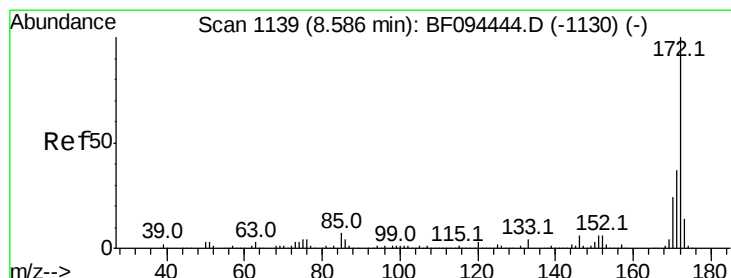
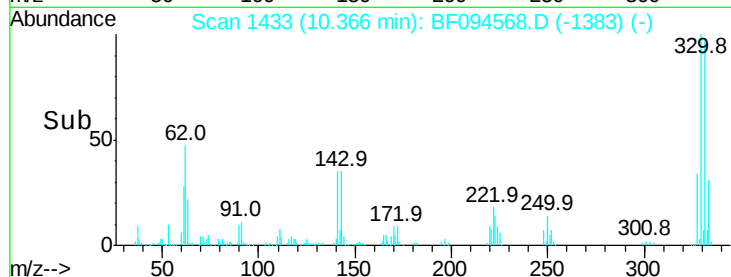
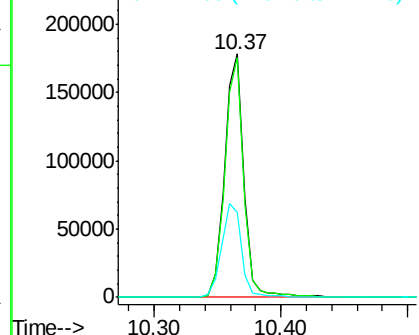
#41
 2,4,6-Tribromophenol
 Concen: 115.51 ng
 RT: 10.37 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF094568.D
 Acq: 21 Apr 2017 17:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	115.0
141	40.5	31.4	47.2

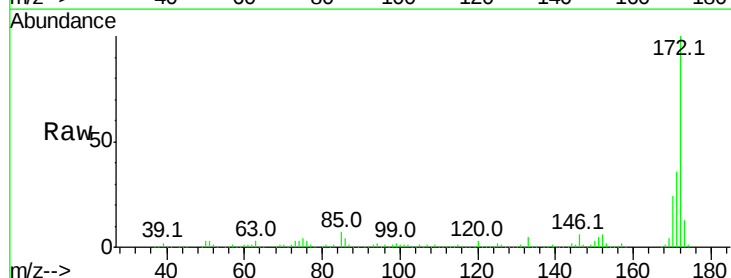


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

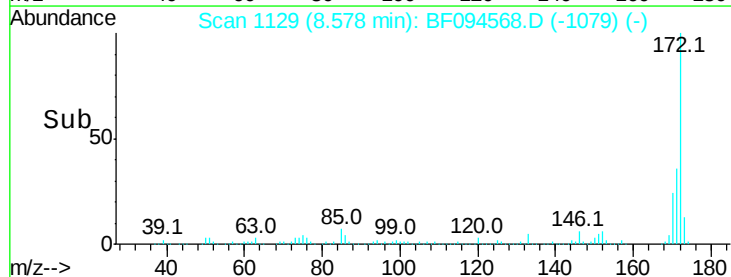
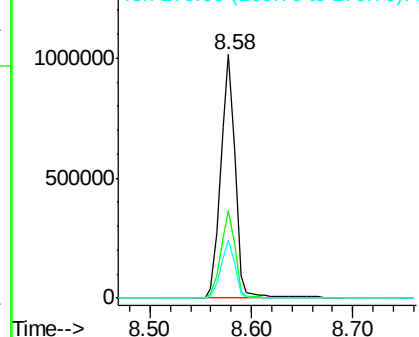


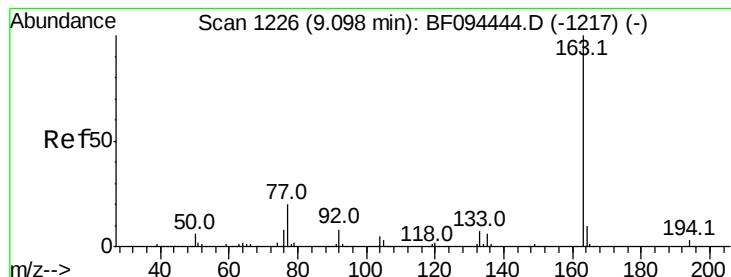
#44
 2-Fluorobiphenyl
 Concen: 71.55 ng
 RT: 8.58 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BF094568.D
 Acq: 21 Apr 2017 17:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.8	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: 16.44 ng

RT: 9.08 min Scan# 1214

Delta R.T. -0.02 min

Lab File: BF094568.D

Acq: 21 Apr 2017 17:51

Instrument :

BNA_F

ClientSampleId :

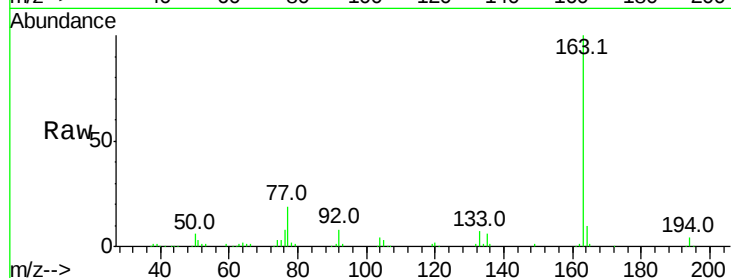
Tot Ion:163 Resp: 256458

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

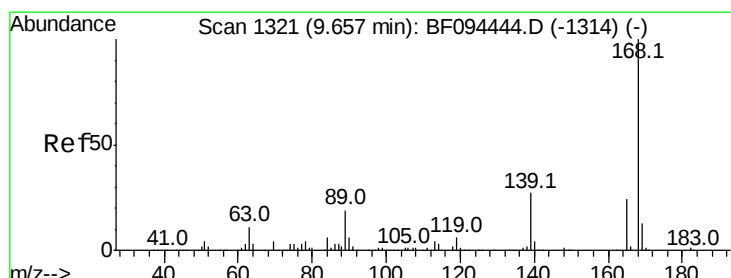
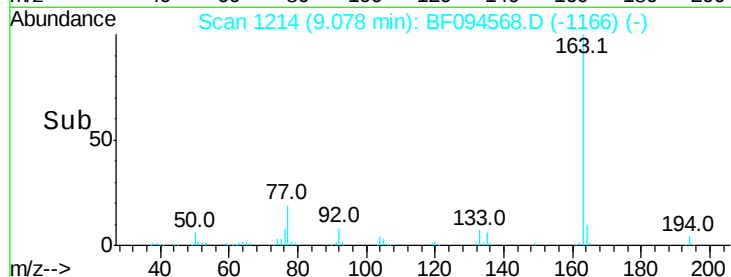
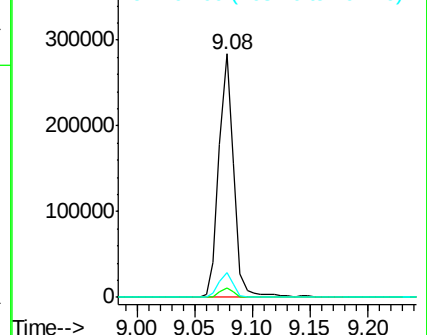
164 10.3 8.4 12.6



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: 6.23 ng

RT: 9.39 min Scan# 1267

Delta R.T. -0.27 min

Lab File: BF094568.D

Acq: 21 Apr 2017 17:51

Tgt Ion:165 Resp: 26750

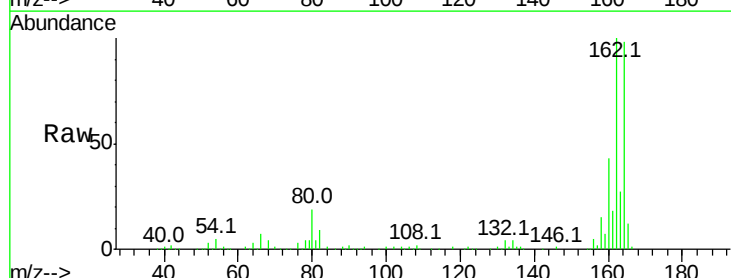
Ion Ratio Lower Upper

165 100

63 2.0 25.4 38.0#

89 1.5 46.4 69.6#

182 0.0 1.8 2.6#

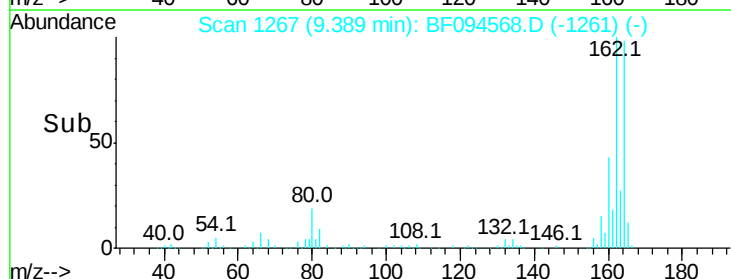
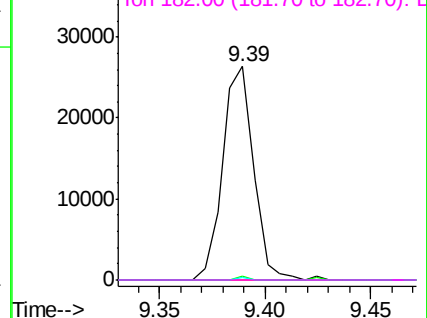


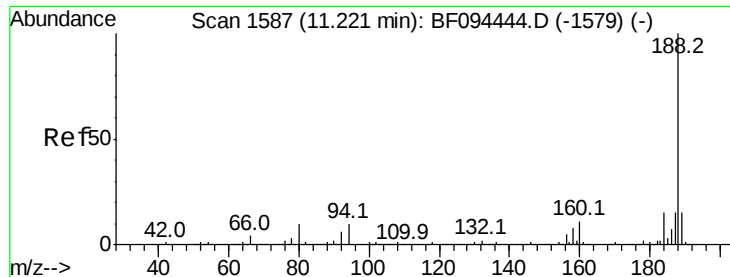
Abundance Ion 165.00 (164.70 to 165.70): E

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

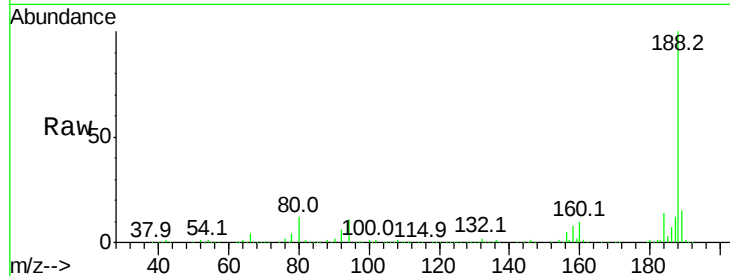




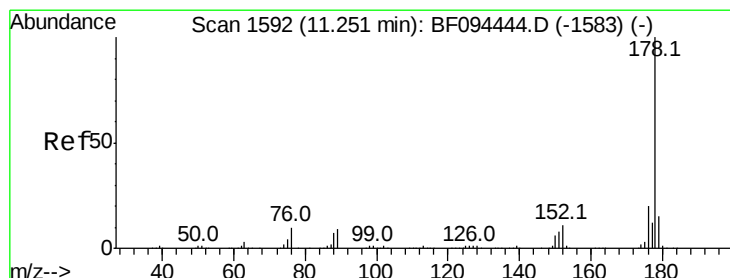
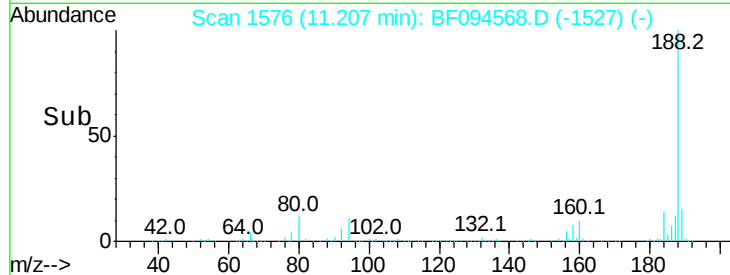
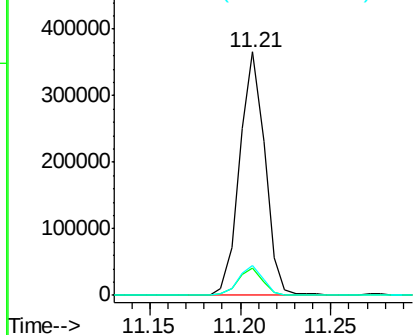
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF094568.D
Acq: 21 Apr 2017 17:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 354555
Ion Ratio Lower Upper
188 100
94 11.2 9.4 14.2
80 12.3 10.2 15.2

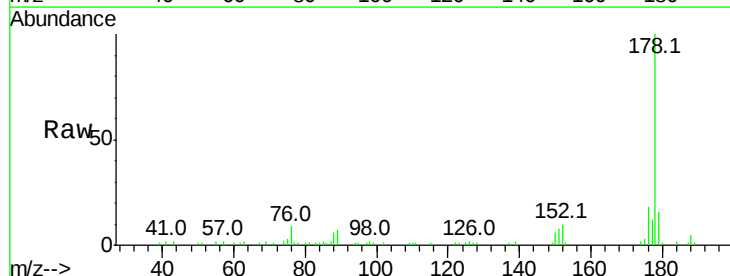


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

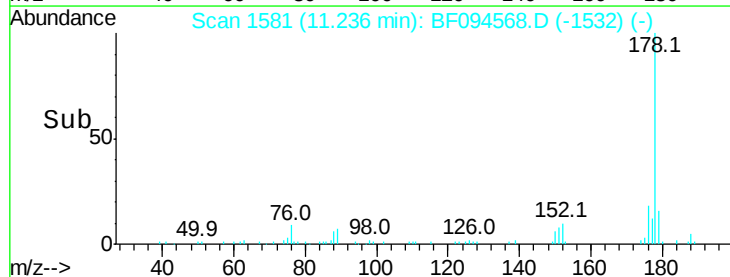
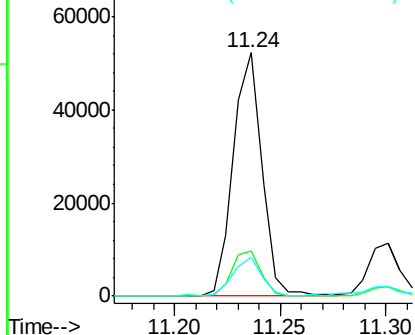


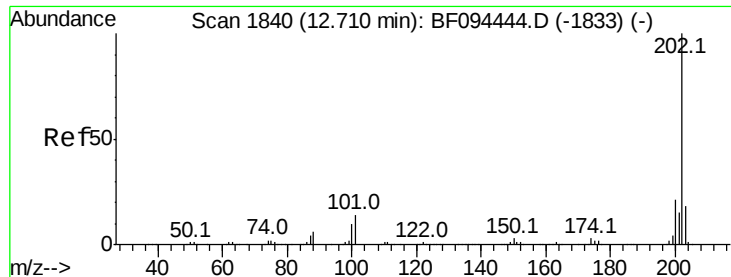
#70
Phenanthrene
Concen: 2.47 ng
RT: 11.24 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF094568.D
Acq: 21 Apr 2017 17:51

Tgt Ion:178 Resp: 49246
Ion Ratio Lower Upper
178 100
176 18.4 16.2 24.4
179 16.1 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

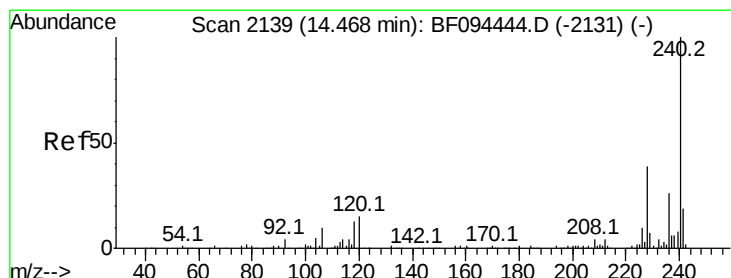
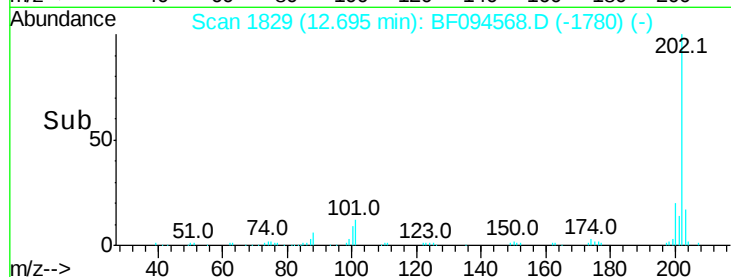
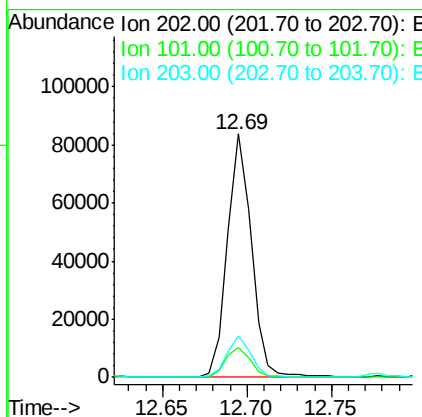
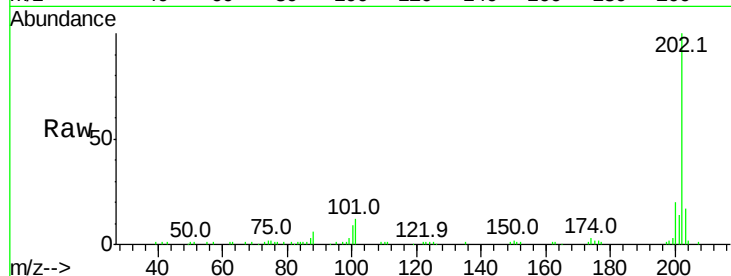




#74
 Fluoranthene
 Concen: 4.02 ng
 RT: 12.69 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF094568.D
 Acq: 21 Apr 2017 17:51

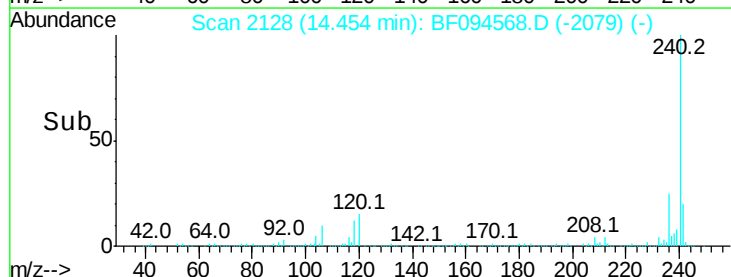
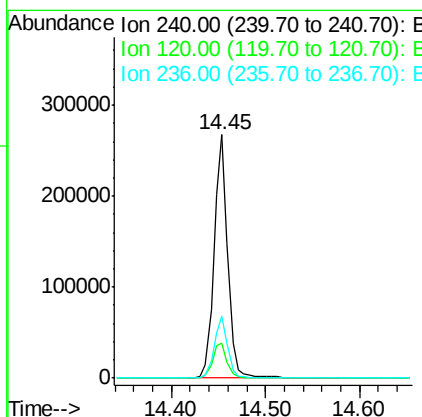
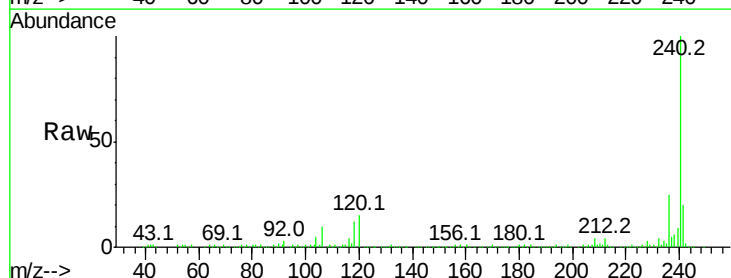
Instrument :
 BNA_F
 ClientSampled :

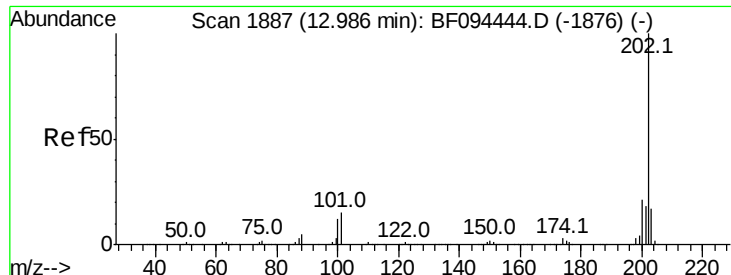
Tot Ion:202 Resp: 83121
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 33.2
 203 17.0 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.45 min Scan# 2128
 Delta R.T. -0.01 min
 Lab File: BF094568.D
 Acq: 21 Apr 2017 17:51

Tgt Ion:240 Resp: 274362
 Ion Ratio Lower Upper
 240 100
 120 14.5 5.8 8.8#
 236 25.3 20.5 30.7





#77

Pvrene

Concen: 3.84 ng

RT: 12.97 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BF094568.D

Acq: 21 Apr 2017 17:51

Instrument :

BNA_F

ClientSampleId :

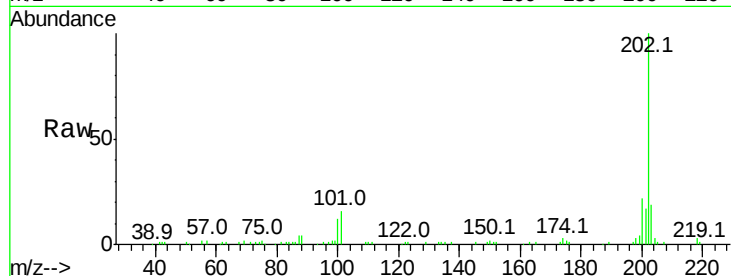
Tot Ion:202 Resp: 73555

Ion Ratio Lower Upper

202 100

200 22.0 17.6 26.4

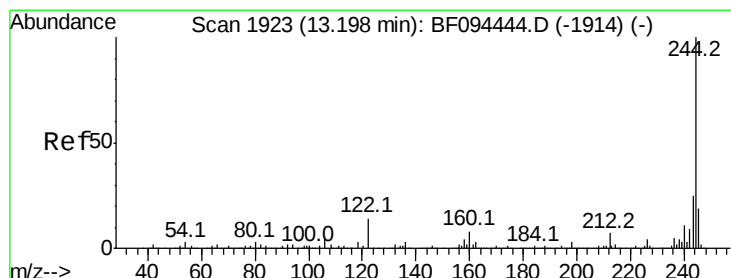
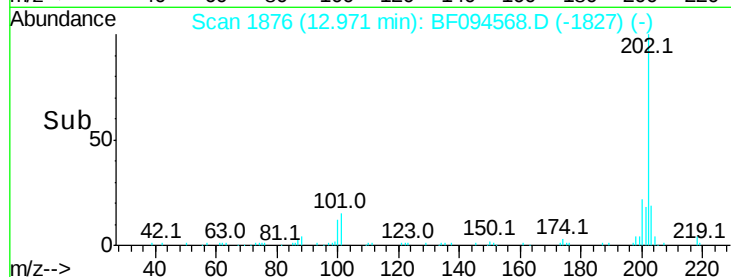
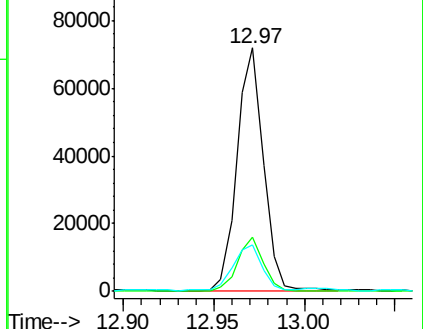
203 19.2 14.4 21.6



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: 73.45 ng

RT: 13.18 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BF094568.D

Acq: 21 Apr 2017 17:51

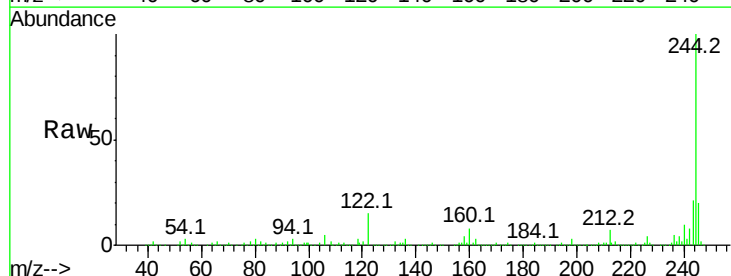
Tgt Ion:244 Resp: 753903

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

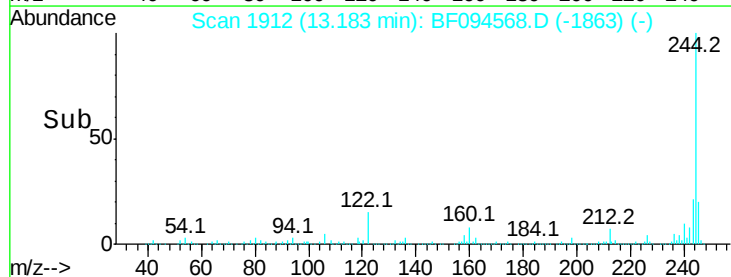
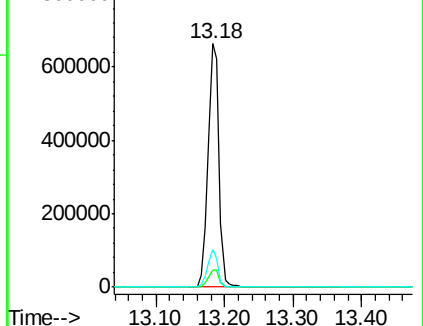
122 15.2 10.3 15.5

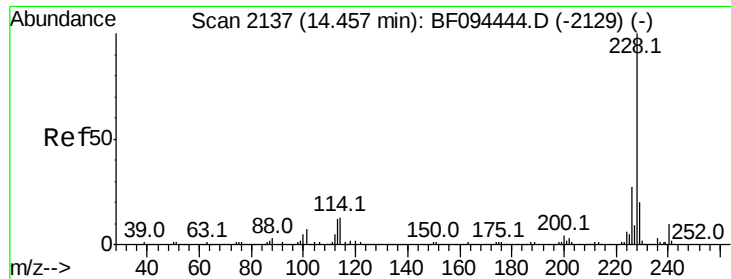


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.21 ng

RT: 14.44 min Scan# 2126

Delta R.T. -0.01 min

Lab File: BF094568.D

Acq: 21 Apr 2017 17:51

Instrument :

BNA_F

ClientSampleId :

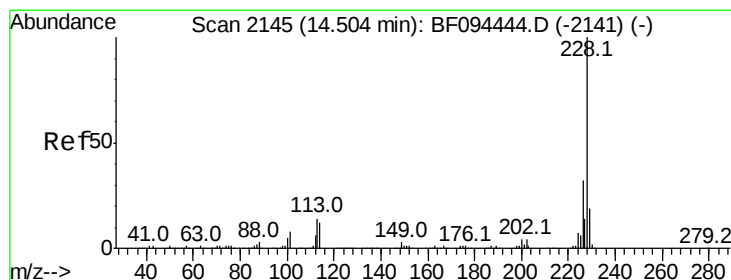
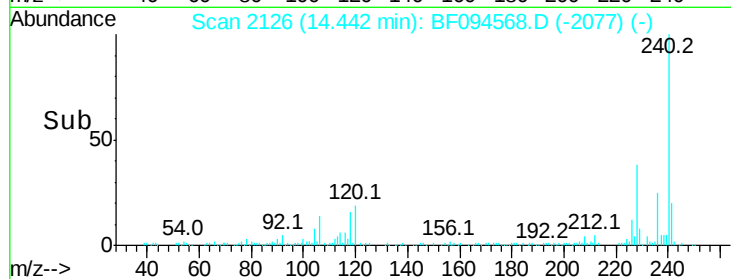
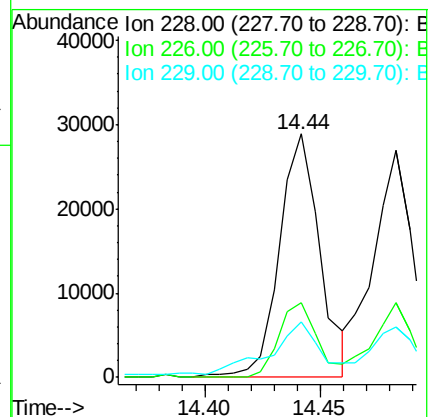
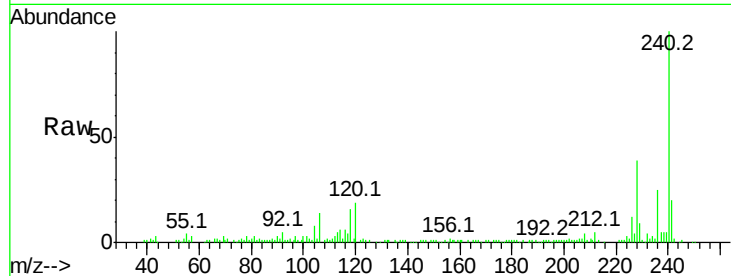
Tot Ion:228 Resp: 35184

Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

229 22.6 16.3 24.5



#82

Chrysene

Concen: 2.29 ng

RT: 14.48 min Scan# 2133

Delta R.T. -0.02 min

Lab File: BF094568.D

Acq: 21 Apr 2017 17:51

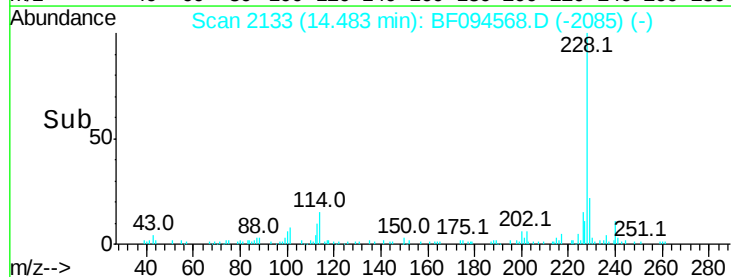
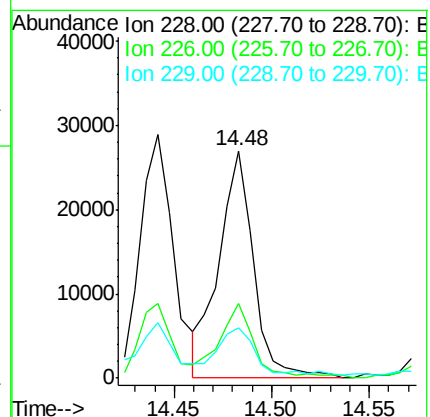
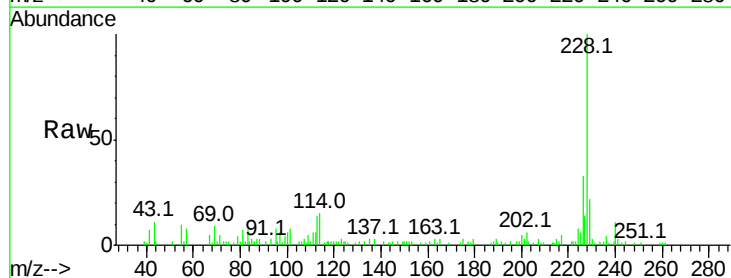
Tgt Ion:228 Resp: 33443

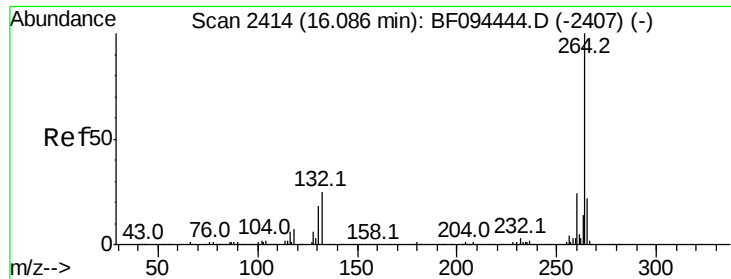
Ion Ratio Lower Upper

228 100

226 32.5 24.9 37.3

229 21.9 15.8 23.6





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.08 min Scan# 2404

Delta R.T. -0.01 min

Lab File: BF094568.D

Acq: 21 Apr 2017 17:51

Instrument :

BNA_F

ClientSampleId :

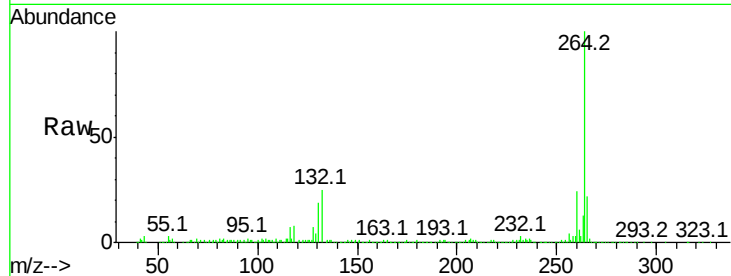
Tot Ion:264 Resp: 256986

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.3	17.2	25.8

264 100

260 23.8 19.5 29.3

265 22.3 17.2 25.8

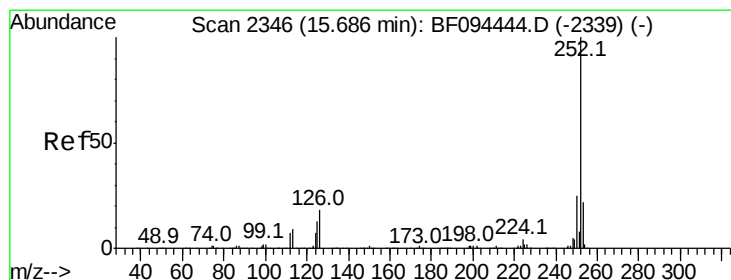
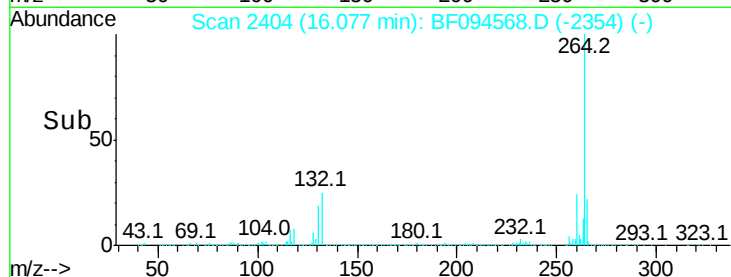
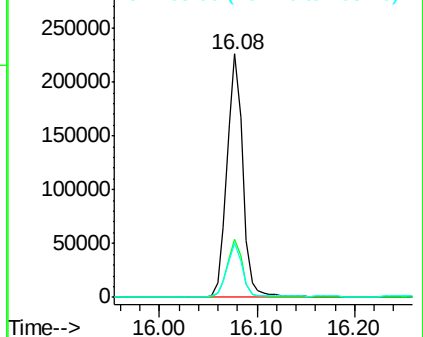


Abundance

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: 3.71 ng

RT: 15.68 min Scan# 2336

Delta R.T. -0.01 min

Lab File: BF094568.D

Acq: 21 Apr 2017 17:51

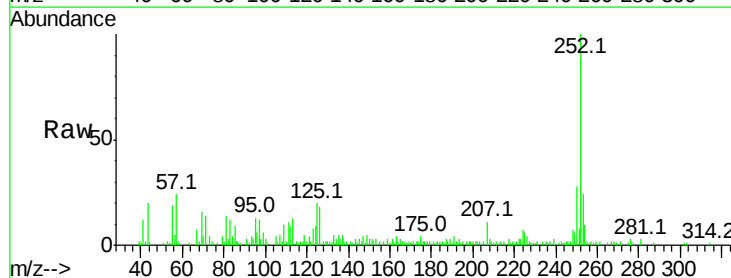
Tgt Ion:252 Resp: 58385

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	20.4	9.8	14.8

252 100

253 24.1 18.1 27.1

125 20.4 9.8 14.8#

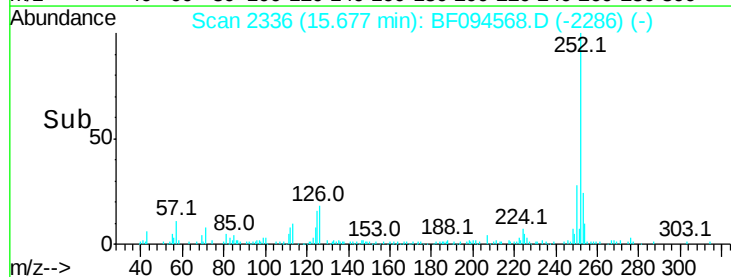
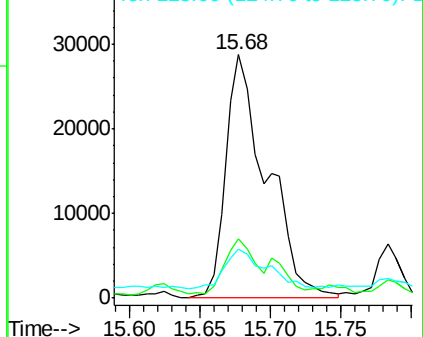


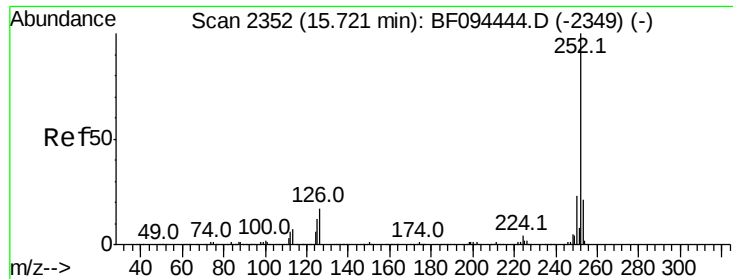
Abundance

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: 3.92 ng

RT: 15.68 min Scan# 2336

Delta R.T. -0.04 min

Lab File: BF094568.D

Acq: 21 Apr 2017 17:51

Instrument :

BNA_F

ClientSampleId :

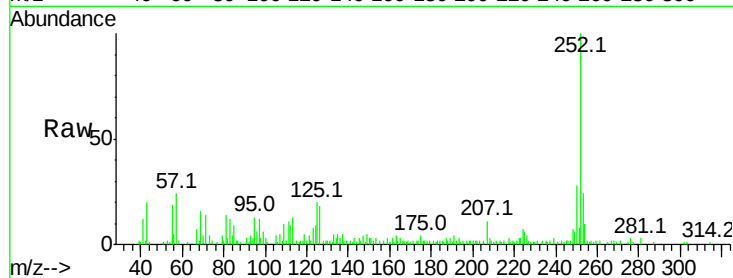
Tot Ion:252 Resp: 58385

Ion Ratio Lower Upper

252 100

253 24.1 18.4 27.6

125 20.4 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

