

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041917\
 Data File : BF094532.D
 Acq On : 19 Apr 2017 22:49
 Operator : SJ/MA
 Sample : I2749-03 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 20 03:08:32 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

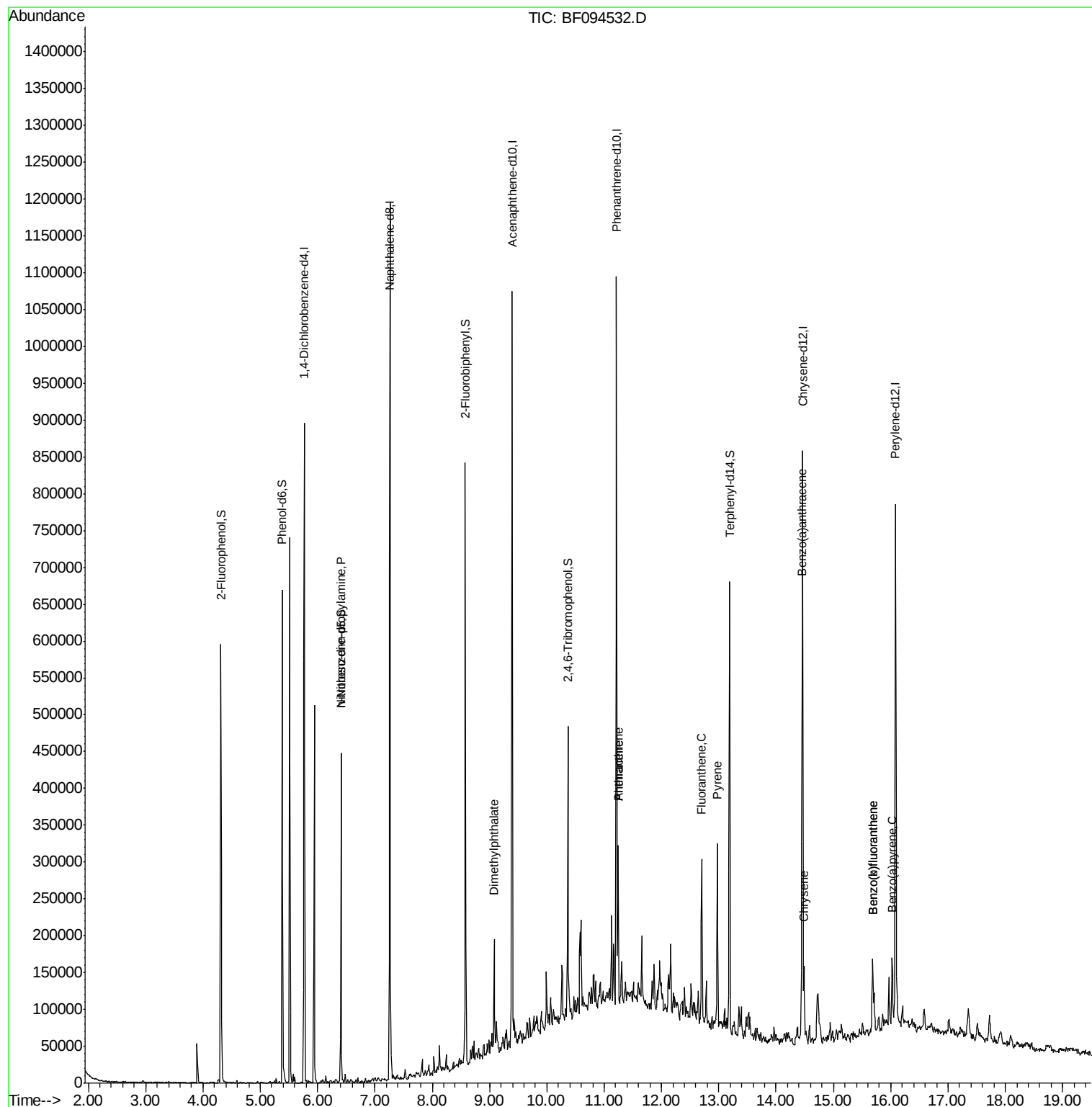
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	131097	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	535821	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	214197	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	404812	20.00	ng	0.00
75) Chrysene-d12	14.46	240	293970	20.00	ng	0.00
86) Perylene-d12	16.08	264	282003	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	177619	22.48	ng	0.00
7) Phenol-d6	5.38	99	224127	24.06	ng	0.00
23) Nitrobenzene-d5	6.41	82	129661	14.94	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	42017	25.08	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	261510	17.96	ng	0.00
78) Terphenyl-d14	13.19	244	194406	17.68	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.41	70	16636	2.70	ng	Qvalue # 75
49) Dimethylphthalate	9.08	163	70399	4.41	ng	99
70) Phenanthrene	11.24	178	78115	3.43	ng	99
71) Anthracene	11.24	178	78115	3.31	ng	99
74) Fluoranthene	12.70	202	97690	4.13	ng	98
77) Pyrene	12.98	202	104708	5.10	ng	96
80) Benzo(a)anthracene	14.45	228	38980	2.28	ng	96
82) Chrysene	14.49	228	39508	2.53	ng	94
87) Benzo(b)fluoranthene	15.68	252	60387	3.50	ng	95
88) Benzo(k)fluoranthene	15.68	252	60387	3.70	ng	96
89) Benzo(a)pyrene	16.02	252	36397	2.27	ng	Qvalue # 97

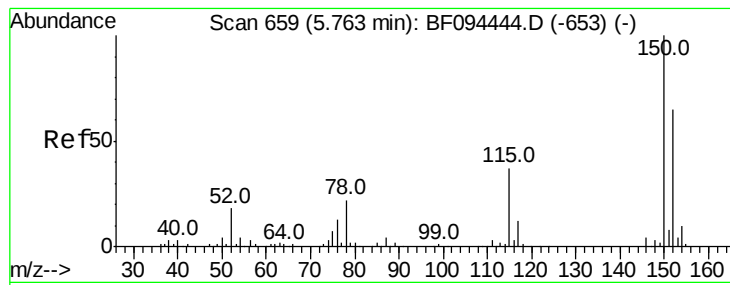
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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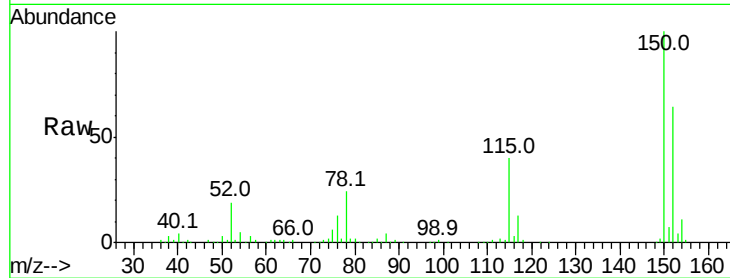


#1

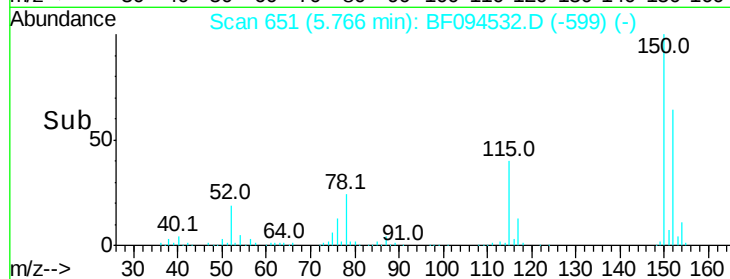
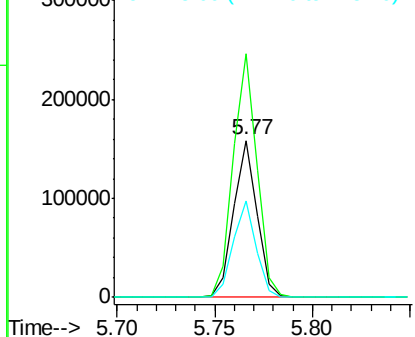
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 651
Delta R.T. 0.00 min
Lab File: BF094532.D
Acq: 19 Apr 2017 22:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131097
Ion Ratio Lower Upper
152 100
150 155.5 126.2 189.2
115 62.0 52.2 78.2



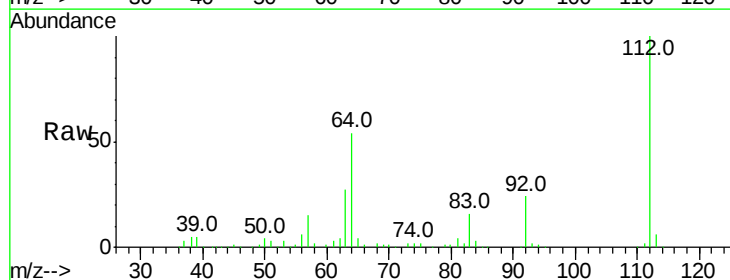
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



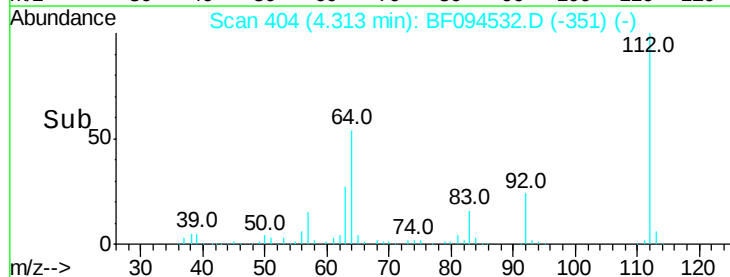
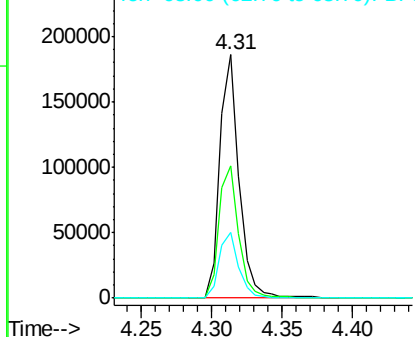
#5

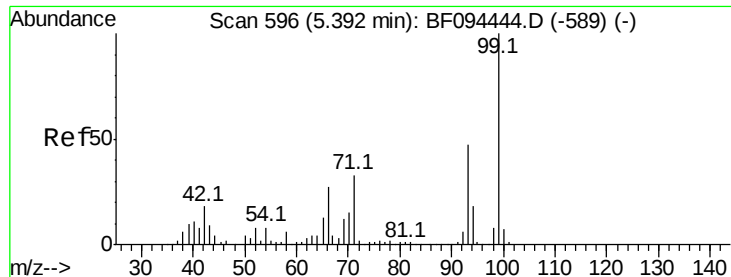
2-Fluorophenol
Concen: 22.48 ng
RT: 4.31 min Scan# 404
Delta R.T. 0.01 min
Lab File: BF094532.D
Acq: 19 Apr 2017 22:49

Tgt Ion:112 Resp: 177619
Ion Ratio Lower Upper
112 100
64 54.3 46.0 69.0
63 27.2 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: 24.06 ng

RT: 5.38 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF094532.D

Acq: 19 Apr 2017 22:49

Instrument :

BNA_F

ClientSampleId :

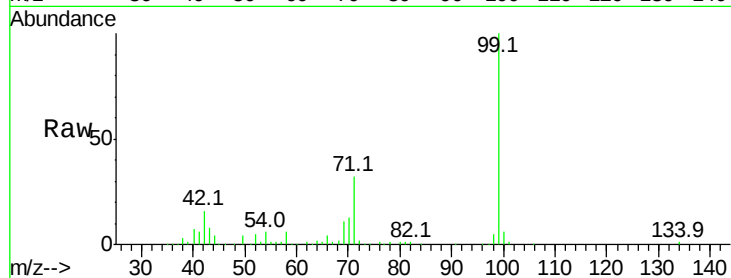
Tot Ion: 99 Resp: 224127

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

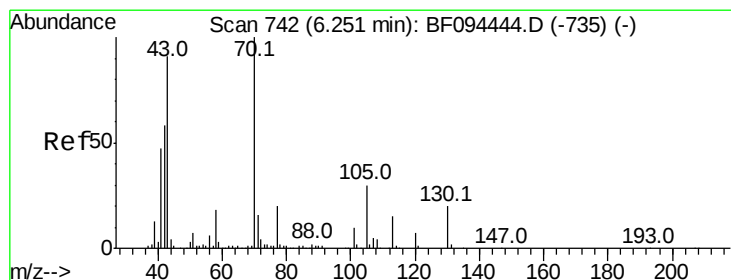
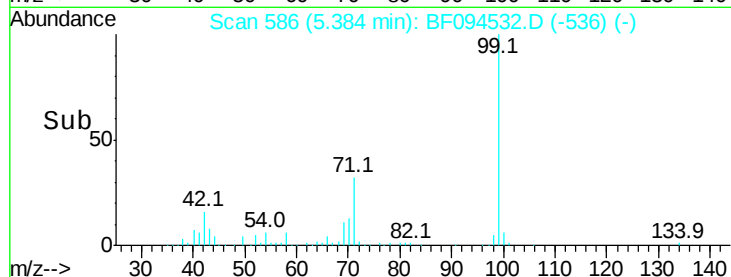
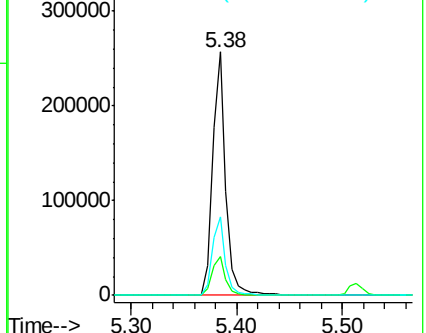
71 32.1 24.5 36.7



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: 2.70 ng

RT: 6.41 min Scan# 760

Delta R.T. 0.16 min

Lab File: BF094532.D

Acq: 19 Apr 2017 22:49

Tgt Ion: 70 Resp: 16636

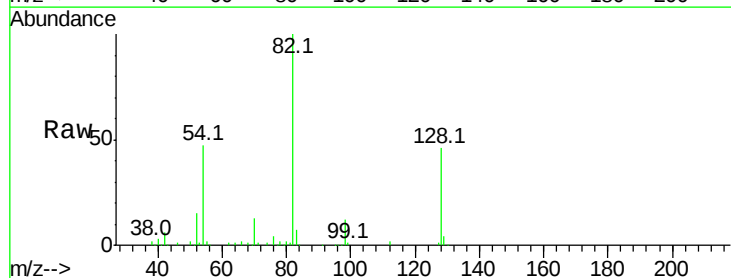
Ion Ratio Lower Upper

70 100

42 43.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

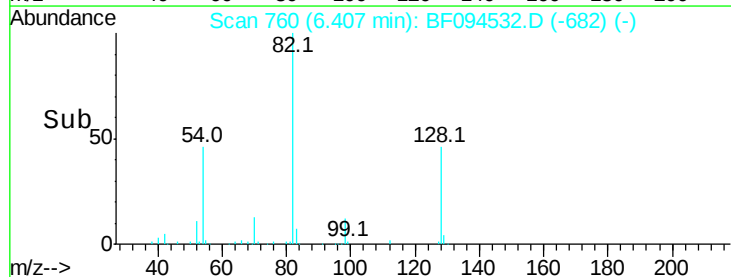
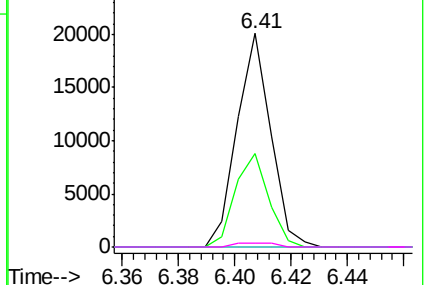


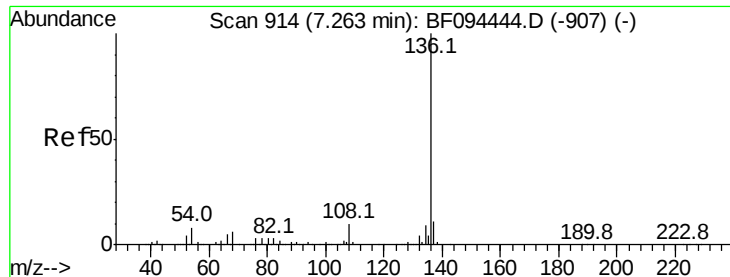
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.26 min Scan# 905

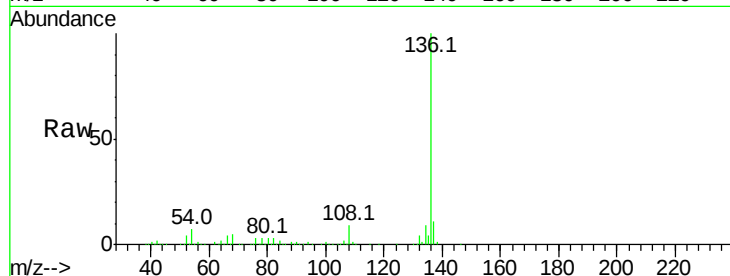
Delta R.T. -0.00 min

Lab File: BF094532.D

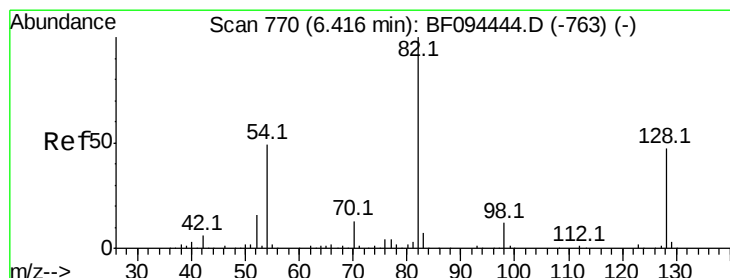
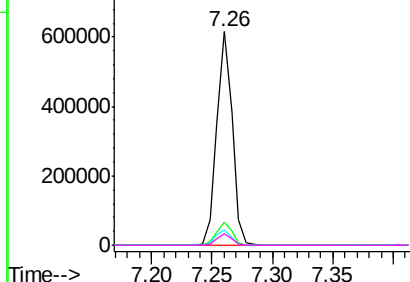
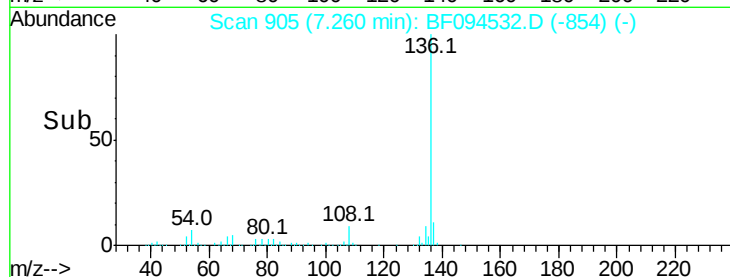
Acq: 19 Apr 2017 22:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	535821
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.5 12.7
54	7.3	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



#23

Nitrobenzene-d5

Concen: 14.94 ng

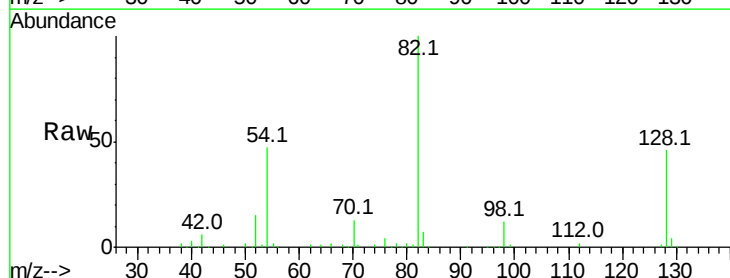
RT: 6.41 min Scan# 760

Delta R.T. -0.01 min

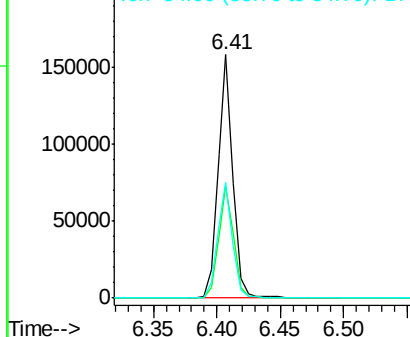
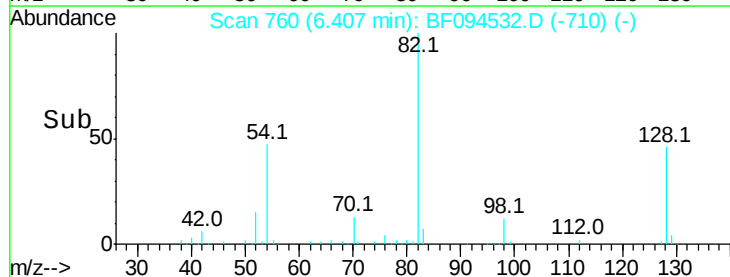
Lab File: BF094532.D

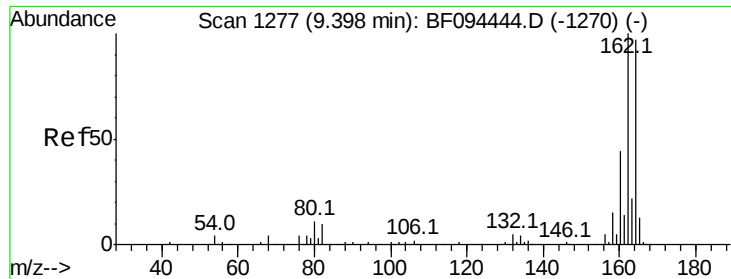
Acq: 19 Apr 2017 22:49

Tgt Ion: 82	Resp:	129661
Ion	Ratio	Lower Upper
82	100	
128	46.0	34.0 51.0
54	47.4	42.2 63.2



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

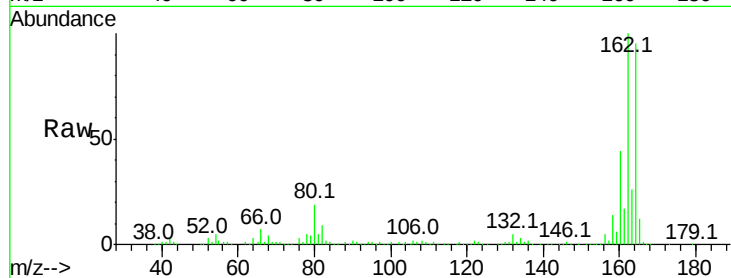




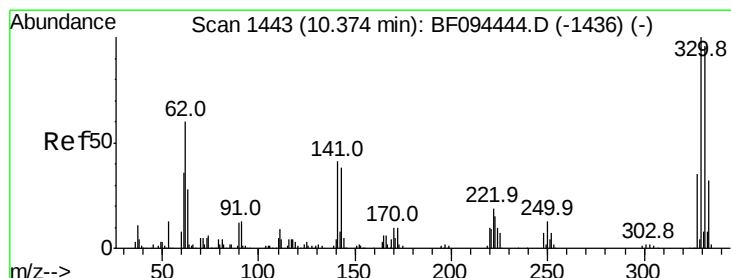
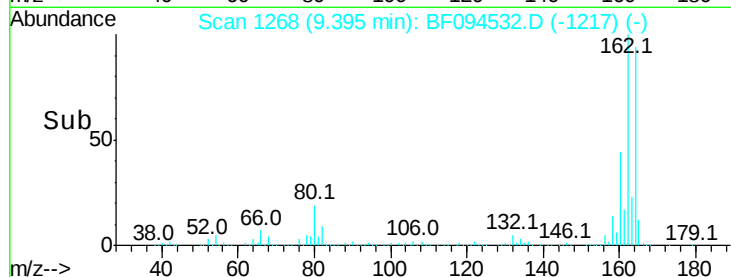
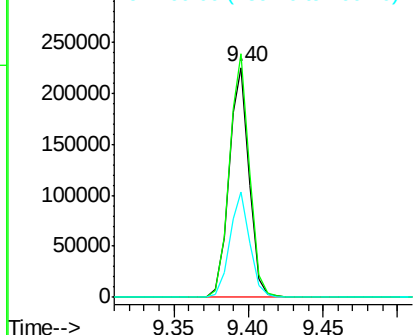
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.40 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: BF094532.D
 Acq: 19 Apr 2017 22:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 214197
 Ion Ratio Lower Upper
 164 100
 162 105.8 82.6 123.8
 160 46.1 36.2 54.2

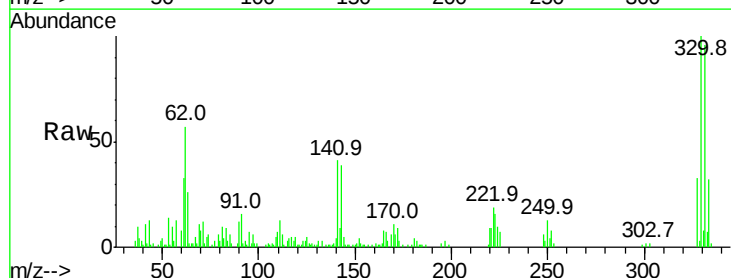


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

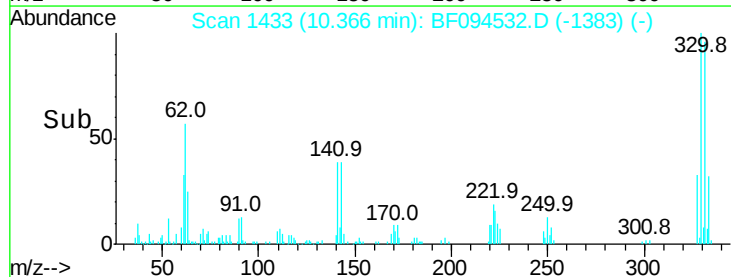
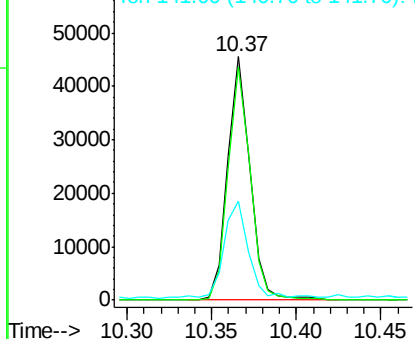


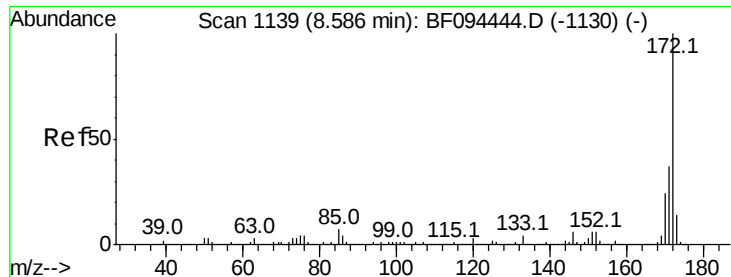
#41
 2,4,6-Tribromophenol
 Concen: 25.08 ng
 RT: 10.37 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF094532.D
 Acq: 19 Apr 2017 22:49

Tgt Ion:330 Resp: 42017
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.6 115.0
 141 44.5 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

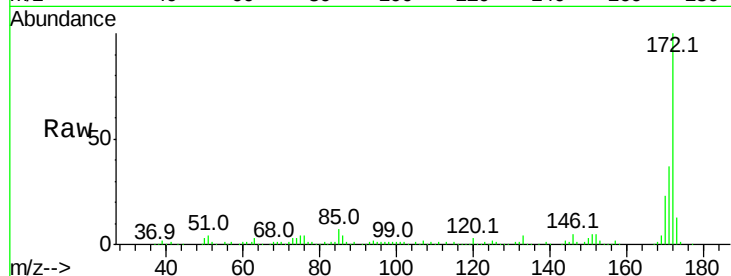




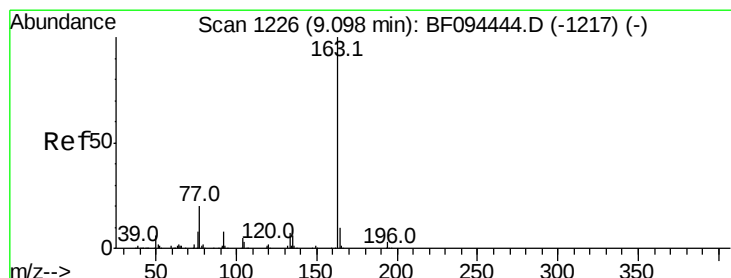
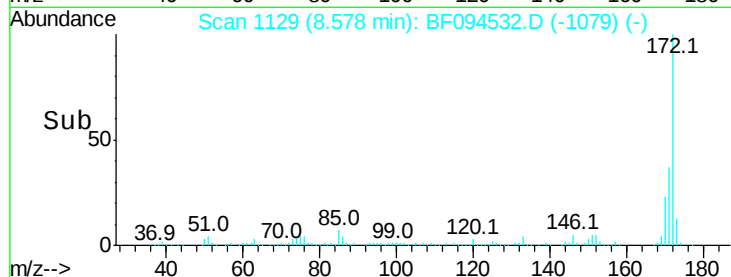
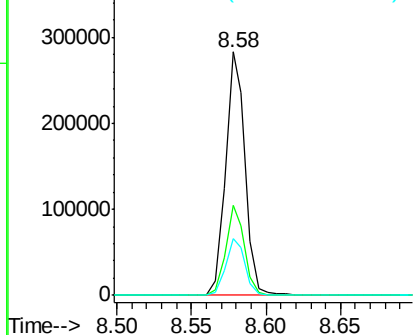
#44
2-Fluorobiphenyl
Concen: 17.96 ng
RT: 8.58 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF094532.D
Acq: 19 Apr 2017 22:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	23.0	19.8	29.8

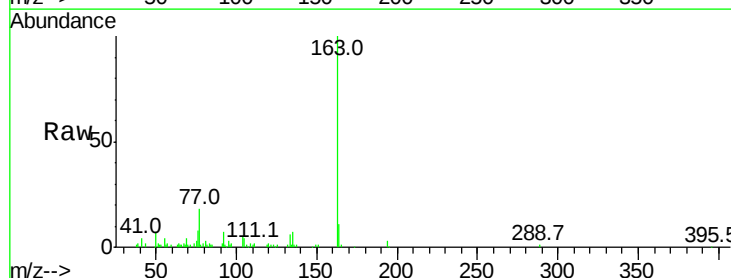


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

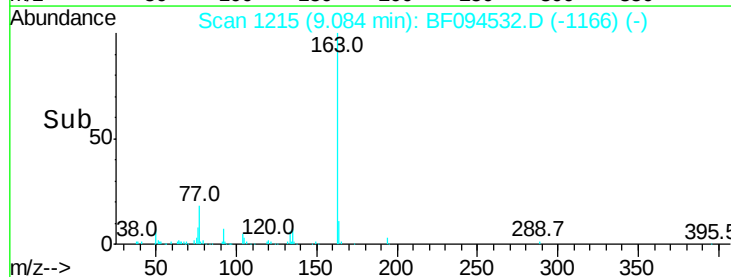
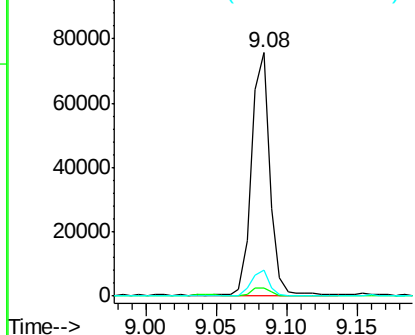


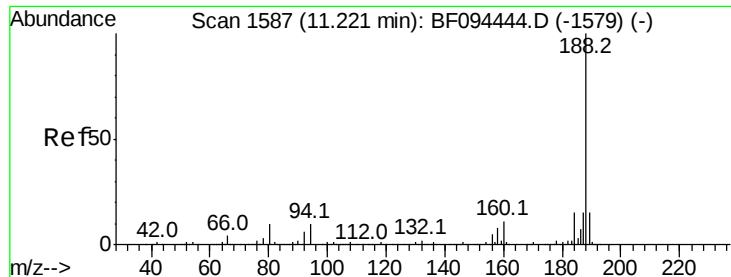
#49
Dimethylphthalate
Concen: 4.41 ng
RT: 9.08 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF094532.D
Acq: 19 Apr 2017 22:49

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.9	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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF094532.D

Acq: 19 Apr 2017 22:49

Instrument :

BNA_F

ClientSampled :

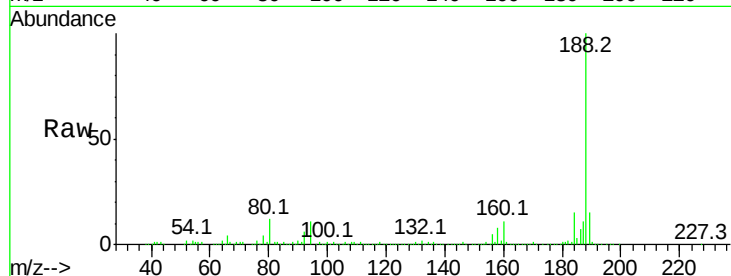
Tot Ion:188 Resp: 404812

Ion Ratio Lower Upper

188 100

94 11.2 9.4 14.2

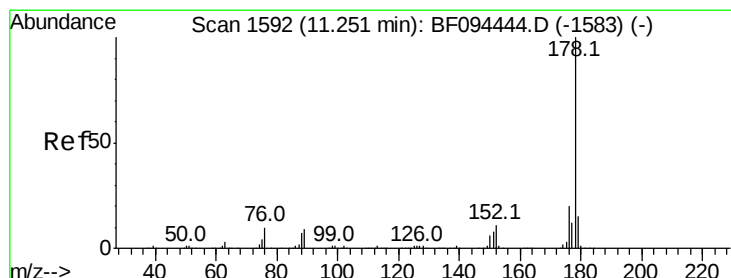
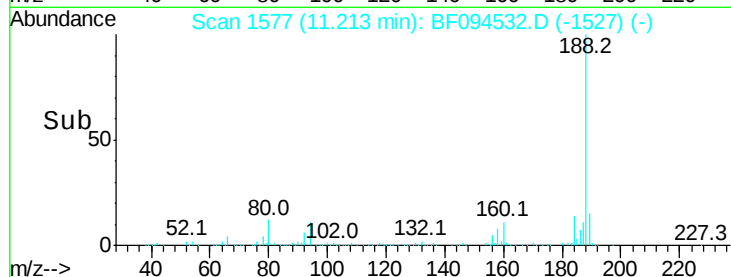
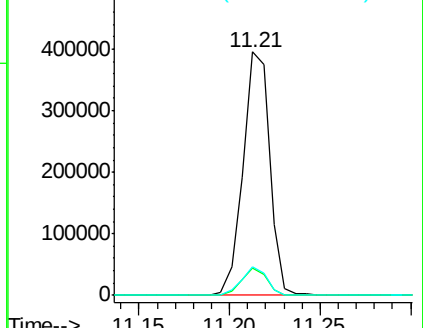
80 11.9 10.2 15.2



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: 3.43 ng

RT: 11.24 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF094532.D

Acq: 19 Apr 2017 22:49

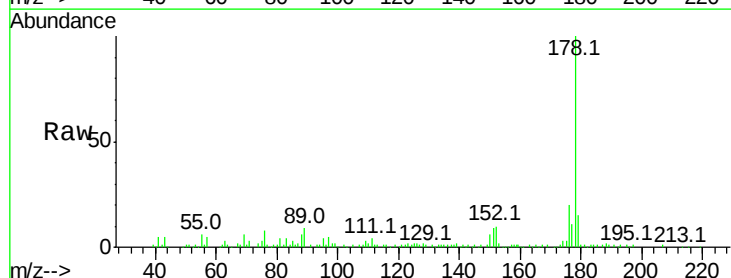
Tgt Ion:178 Resp: 78115

Ion Ratio Lower Upper

178 100

176 19.5 16.2 24.4

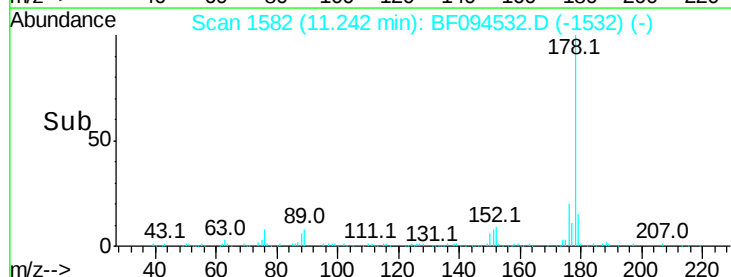
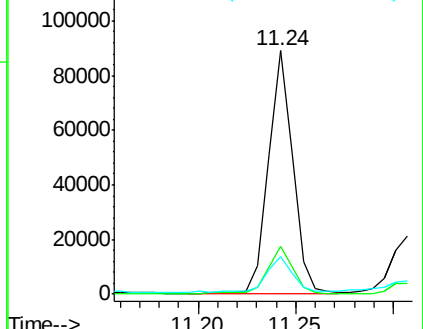
179 15.5 12.6 19.0

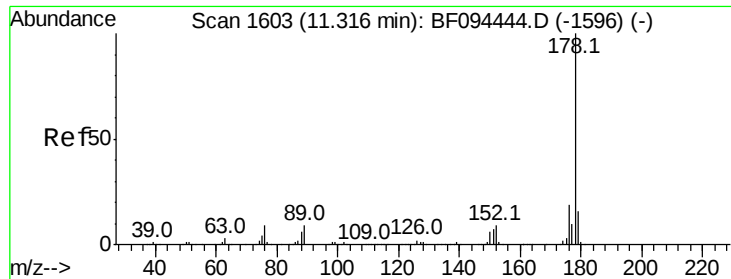


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

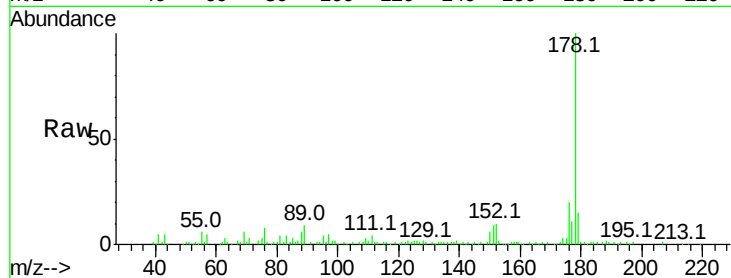




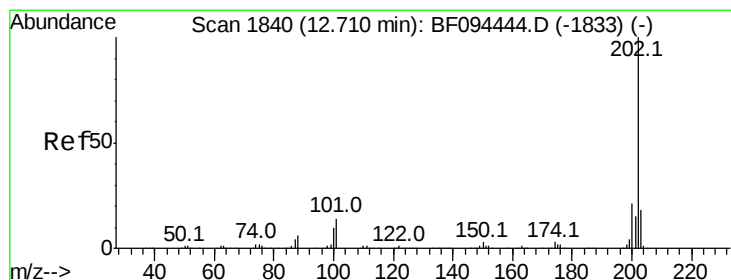
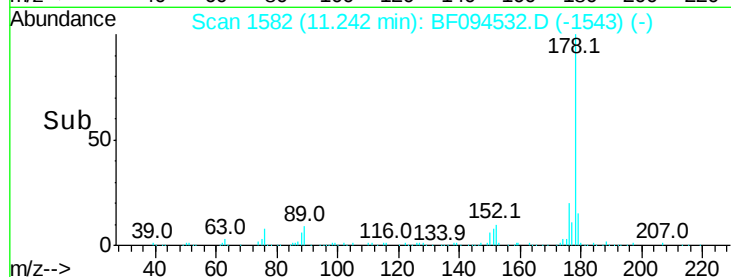
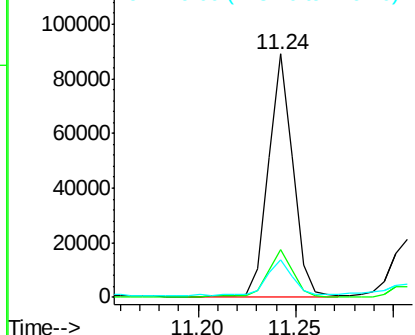
#71
 Anthracene
 Concen: 3.31 ng
 RT: 11.24 min Scan# 1582
 Delta R.T. -0.07 min
 Lab File: BF094532.D
 Acq: 19 Apr 2017 22:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 78115
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.8 23.8
 179 15.5 12.7 19.1

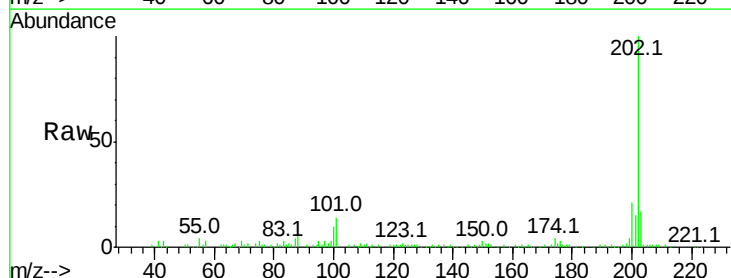


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

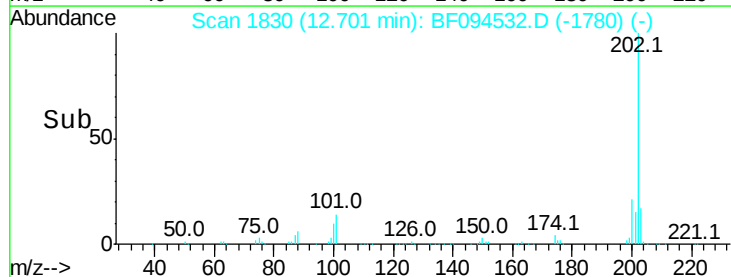
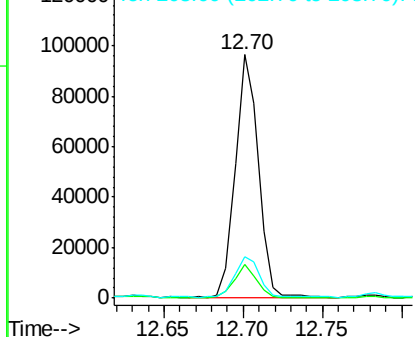


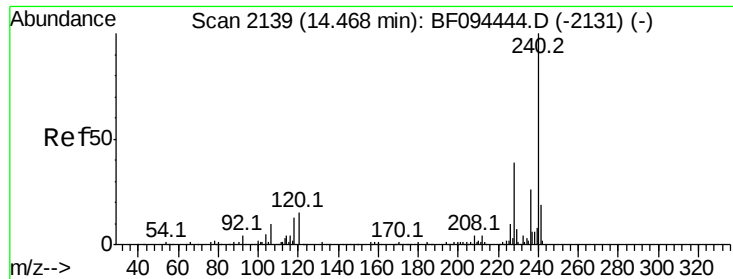
#74
 Fluoranthene
 Concen: 4.13 ng
 RT: 12.70 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF094532.D
 Acq: 19 Apr 2017 22:49

Tgt Ion:202 Resp: 97690
 Ion Ratio Lower Upper
 202 100
 101 13.8 0.0 33.2
 203 17.2 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: 14.46 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF094532.D

Acq: 19 Apr 2017 22:49

Instrument :

BNA_F

ClientSampleId :

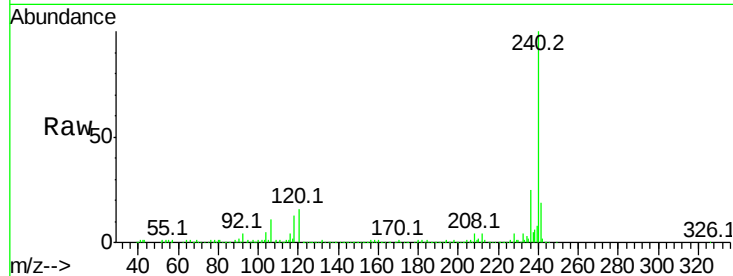
Tot Ion:240 Resp: 293970

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

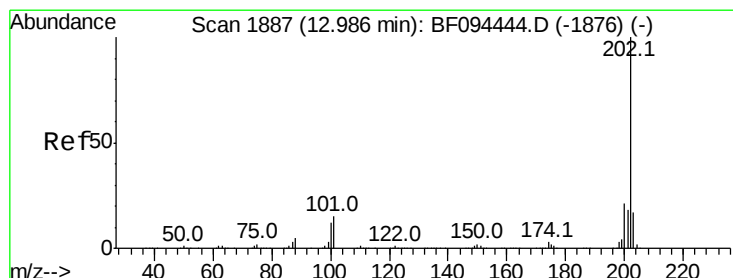
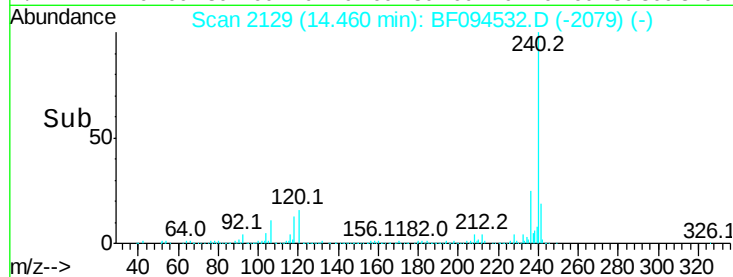
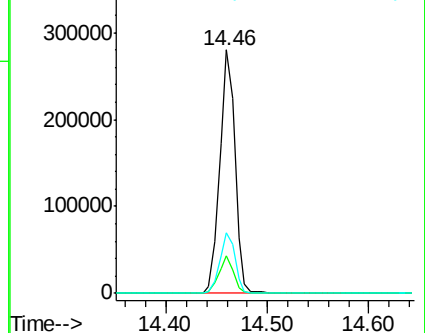
236 24.8 20.5 30.7



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: 5.10 ng

RT: 12.98 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BF094532.D

Acq: 19 Apr 2017 22:49

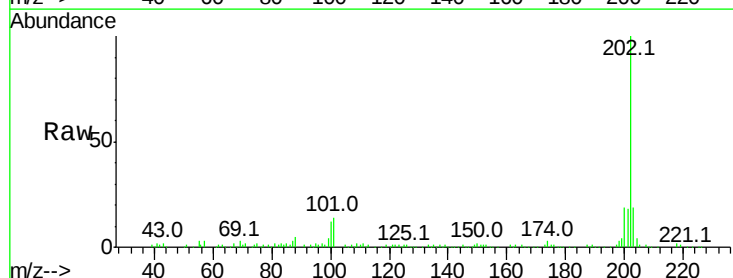
Tgt Ion:202 Resp: 104708

Ion Ratio Lower Upper

202 100

200 18.9 17.6 26.4

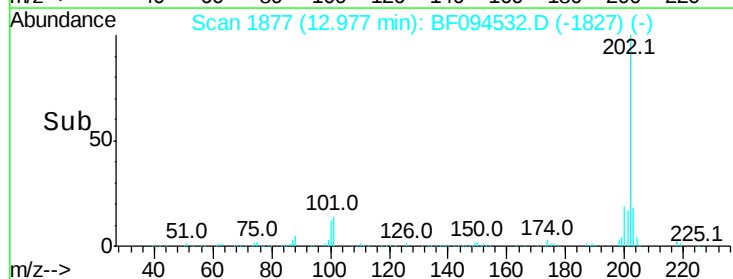
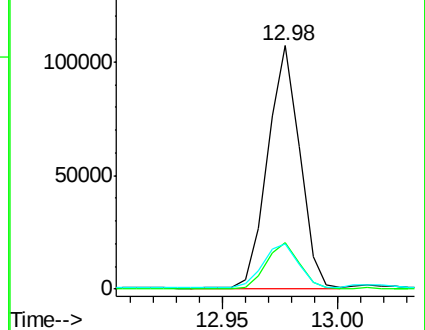
203 18.6 14.4 21.6

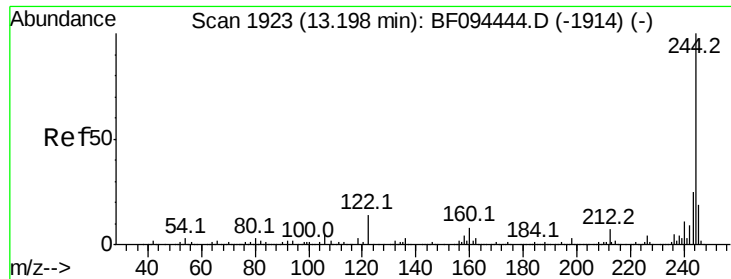


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 17.68 ng

RT: 13.19 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BF094532.D

Acq: 19 Apr 2017 22:49

Instrument :

BNA_F

ClientSampled :

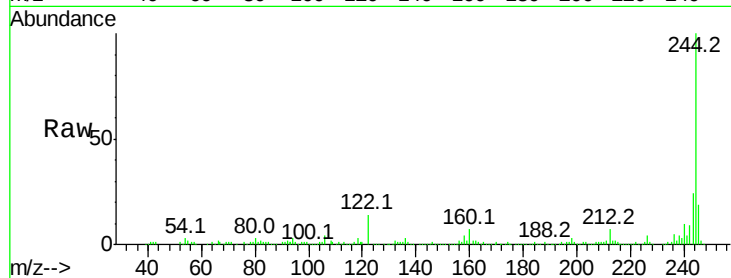
Tot Ion:244 Resp: 194406

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

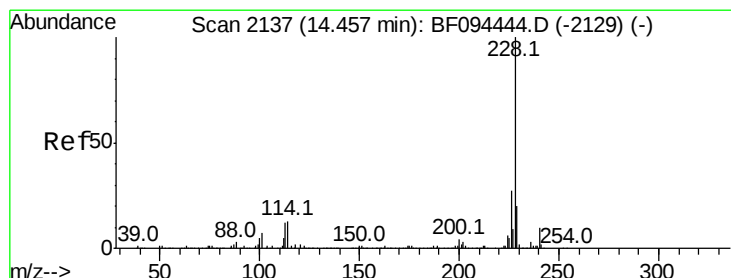
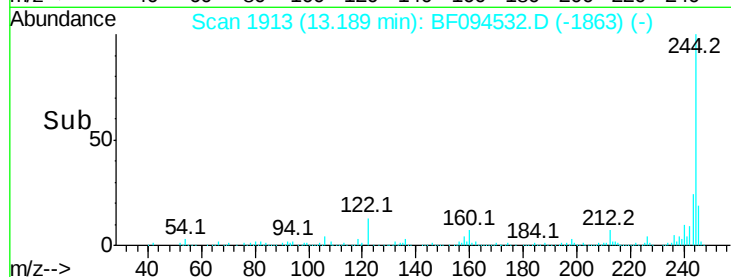
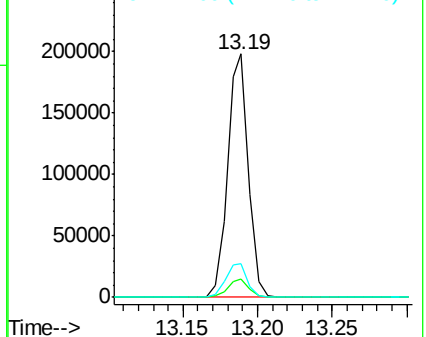
122 13.6 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.28 ng

RT: 14.45 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BF094532.D

Acq: 19 Apr 2017 22:49

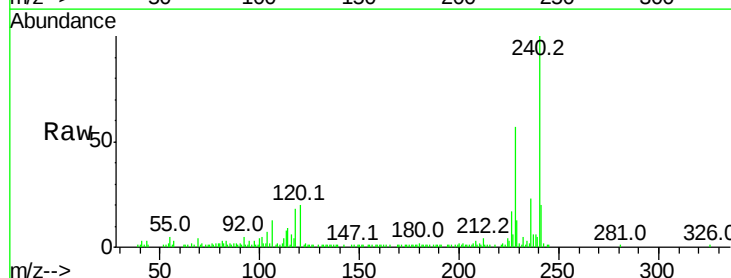
Tgt Ion:228 Resp: 38980

Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

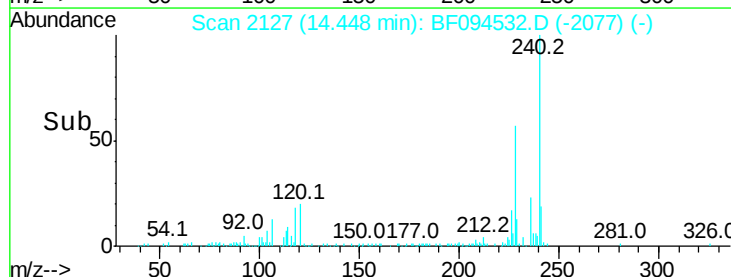
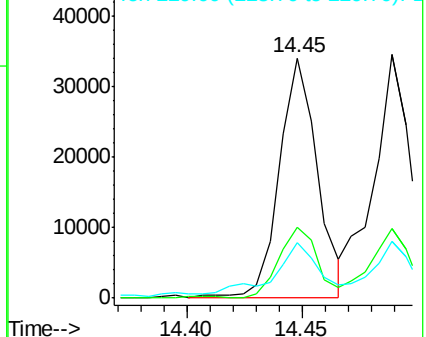
229 22.9 16.3 24.5

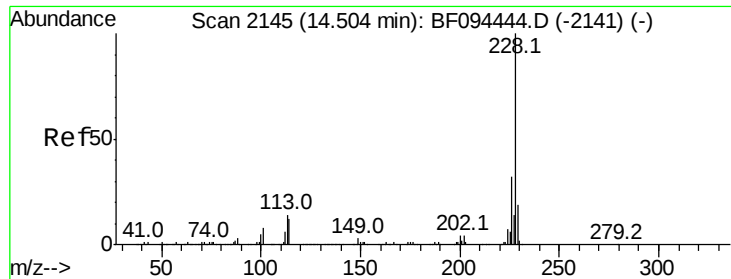


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

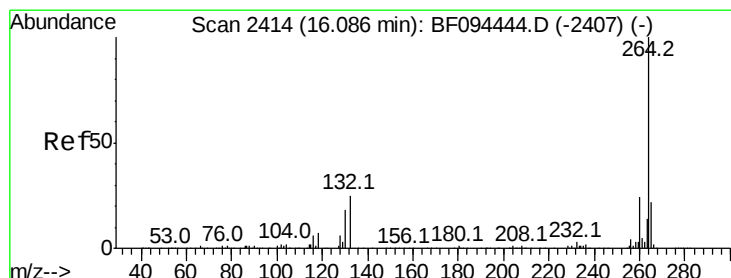
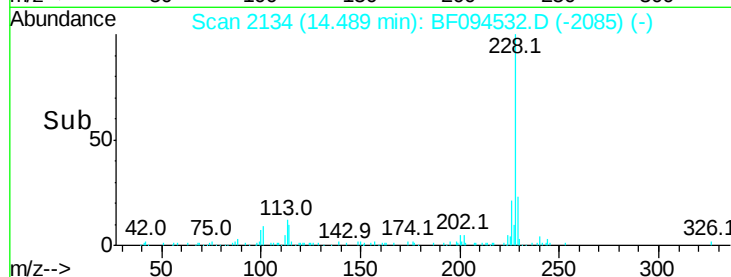
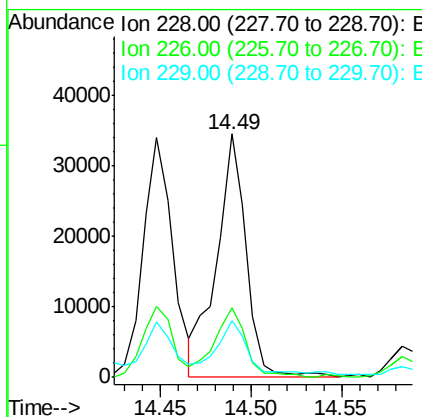
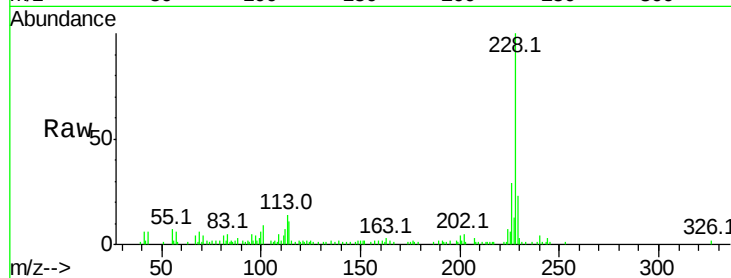




#82
 Chrysene
 Concen: 2.53 ng
 RT: 14.49 min Scan# 2134
 Delta R.T. -0.01 min
 Lab File: BF094532.D
 Acq: 19 Apr 2017 22:49

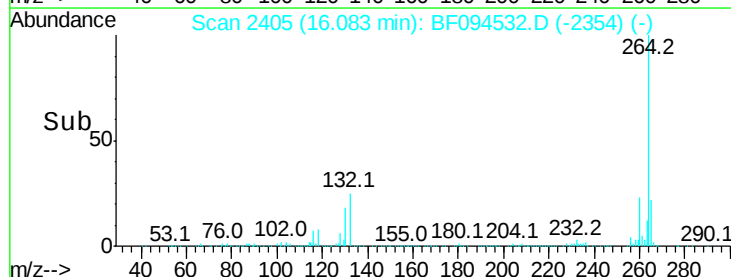
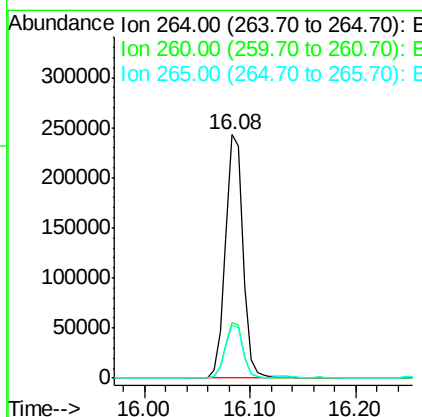
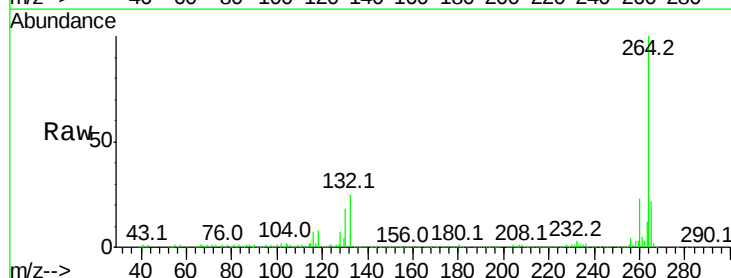
Instrument :
 BNA_F
 ClientSampleId :

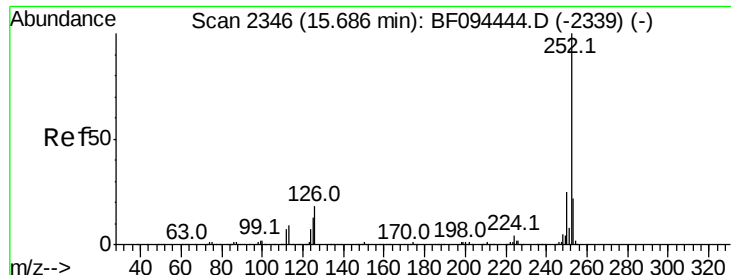
Tot Ion:228 Resp: 39508
 Ion Ratio Lower Upper
 228 100
 226 28.7 24.9 37.3
 229 23.5 15.8 23.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.08 min Scan# 2405
 Delta R.T. -0.00 min
 Lab File: BF094532.D
 Acq: 19 Apr 2017 22:49

Tgt Ion:264 Resp: 282003
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.5 29.3
 265 21.6 17.2 25.8

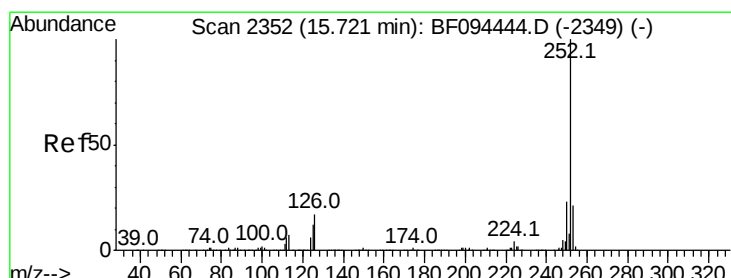
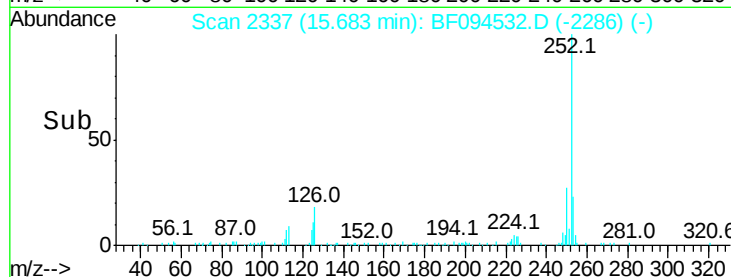
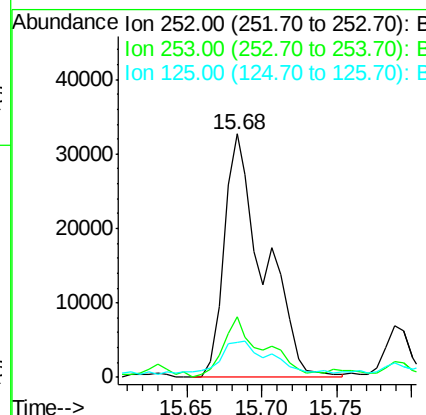
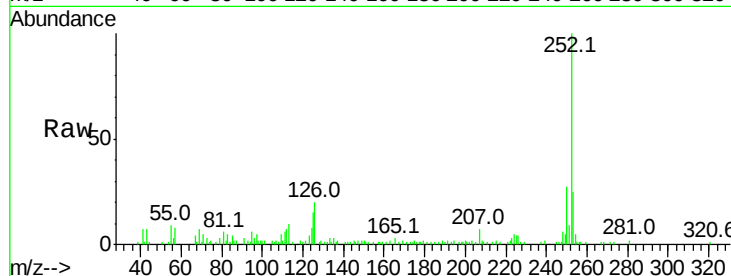




#87
Benzo(b)fluoranthene
Concen: 3.50 ng
RT: 15.68 min Scan# 2337
Delta R.T. -0.00 min
Lab File: BF094532.D
Acq: 19 Apr 2017 22:49

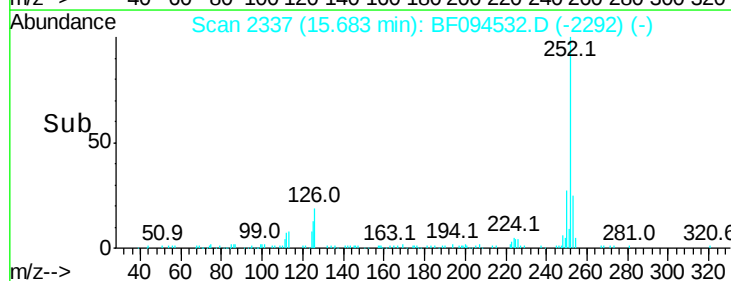
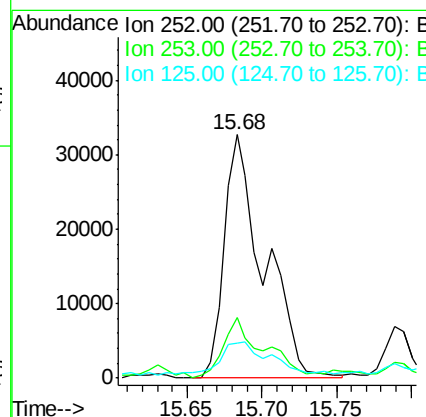
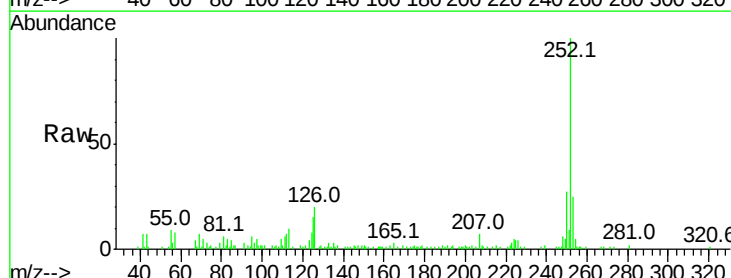
Instrument :
BNA_F
ClientSampleId :

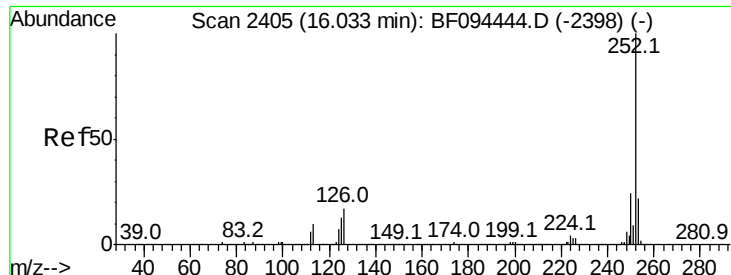
Tot Ion:252 Resp: 60387
Ion Ratio Lower Upper
252 100
253 24.8 18.1 27.1
125 14.6 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 3.70 ng
RT: 15.68 min Scan# 2337
Delta R.T. -0.04 min
Lab File: BF094532.D
Acq: 19 Apr 2017 22:49

Tgt Ion:252 Resp: 60387
Ion Ratio Lower Upper
252 100
253 24.8 18.4 27.6
125 14.6 13.1 19.7





#89

Benzo(a)pyrene

Concen: 2.27 ng

RT: 16.02 min Scan# 2395

Delta R.T. -0.01 min

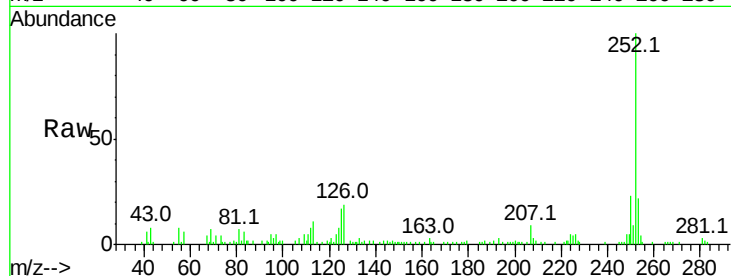
Lab File: BF094532.D

Acq: 19 Apr 2017 22:49

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	252	Resp:	36397
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.5	26.3
125	16.9	11.0	16.4

