

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
 Data File : BF094636.D
 Acq On : 26 Apr 2017 6:25
 Operator : SJ/MA
 Sample : I2813-01 10X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 07:33:29 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

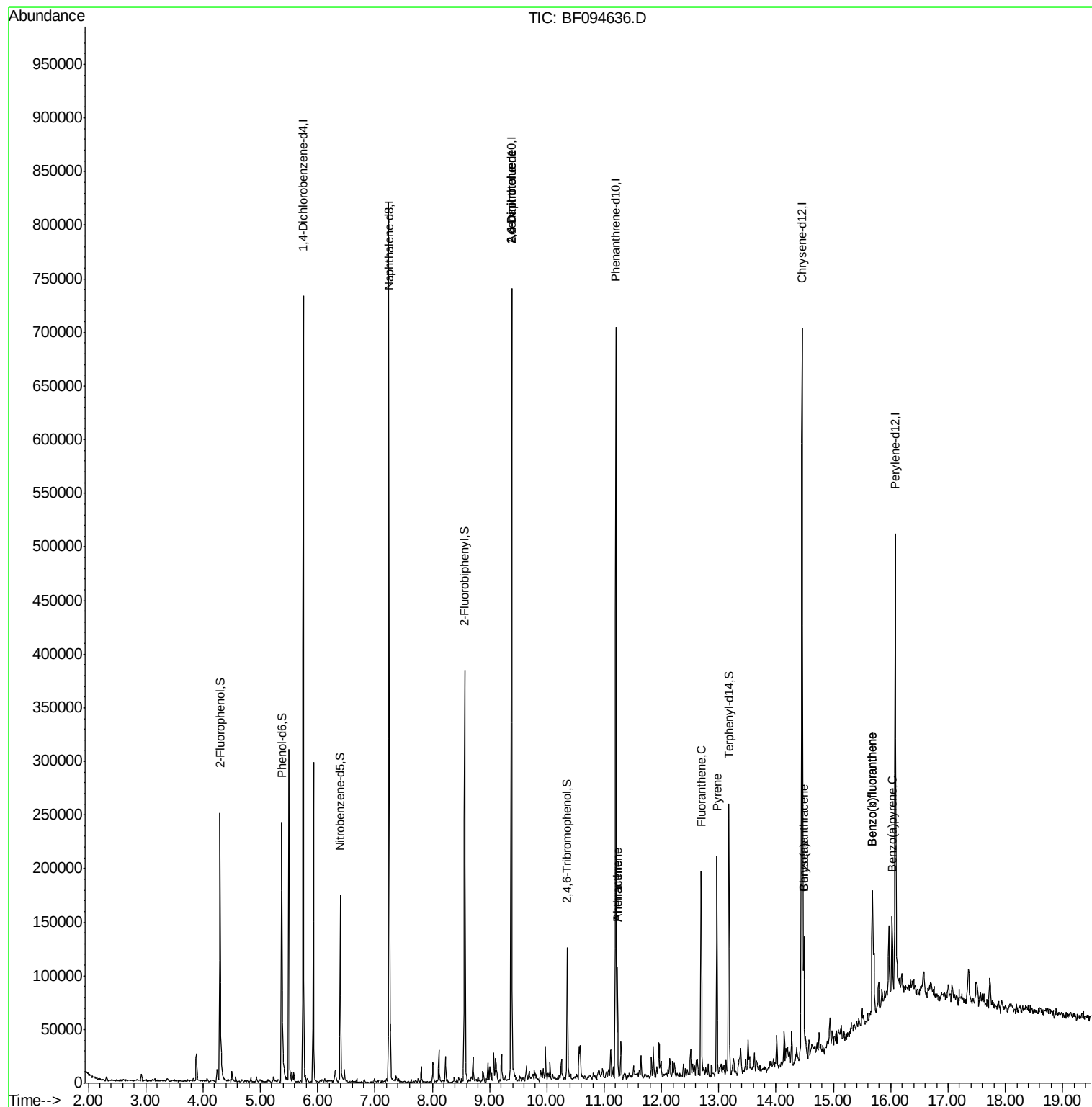
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	109239	20.00	ng	-0.01
21) Naphthalene-d8	7.25	136	431237	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	174681	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	267731	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	247659	20.00	ng	-0.01
86) Perylene-d12	16.08	264	174517	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.30	112	90022	13.67	ng	0.00
7) Phenol-d6	5.37	99	113273	14.59	ng	-0.02
23) Nitrobenzene-d5	6.40	82	65487	9.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.36	330	14356	10.51	ng	-0.01
44) 2-Fluorobiphenyl	8.57	172	129326	10.89	ng	-0.02
78) Terphenyl-d14	13.18	244	84193	9.09	ng	-0.02
Target Compounds						
50) 2,6-Dinitrotoluene	9.38	165	22562	7.72	ng	# 33
56) 2,4-Dinitrotoluene	9.38	165	22561	6.29	ng	# 32
70) Phenanthrene	11.23	178	38174	2.53	ng	99
71) Anthracene	11.23	178	38174	2.45	ng	99
74) Fluoranthene	12.70	202	85584	5.48	ng	99
77) Pyrene	12.97	202	80841	4.67	ng	96
80) Benzo(a)anthracene	14.48	228	44314	3.08	ng	98
82) Chrysene	14.48	228	44314	3.37	ng	95
87) Benzo(b)fluoranthene	15.68	252	73948	6.93	ng	# 97
88) Benzo(k)fluoranthene	15.68	252	73948	7.32	ng	98
89) Benzo(a)pyrene	16.02	252	29601	2.98	ng	97

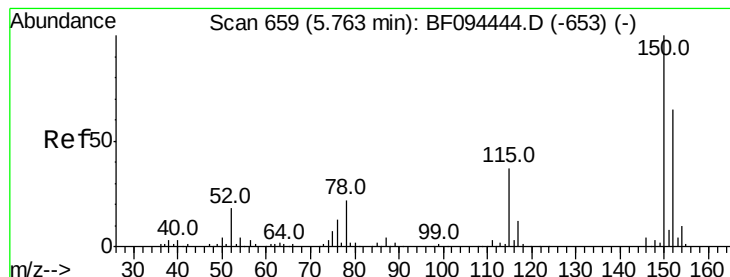
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
Data File : BF094636.D
Acq On : 26 Apr 2017 6:25
Operator : SJ/MA
Sample : I2813-01 10X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 26 07:33:29 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



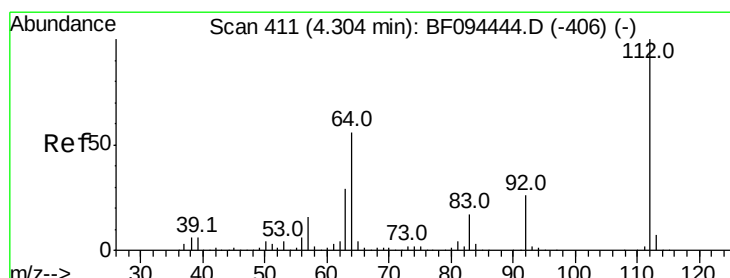
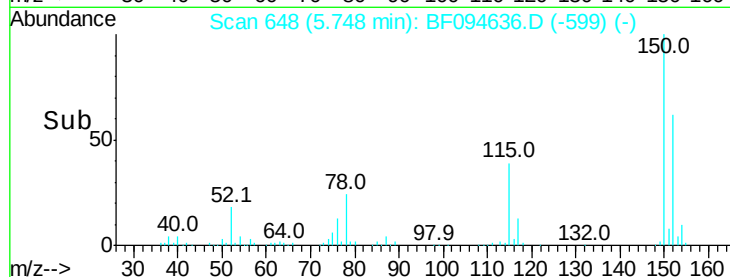
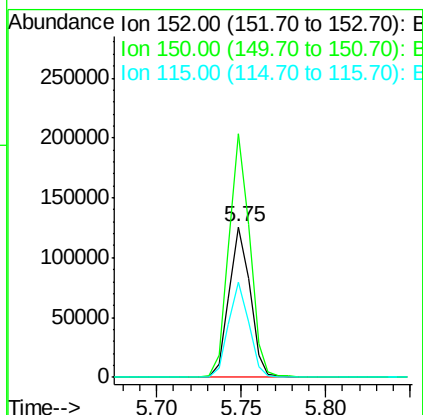
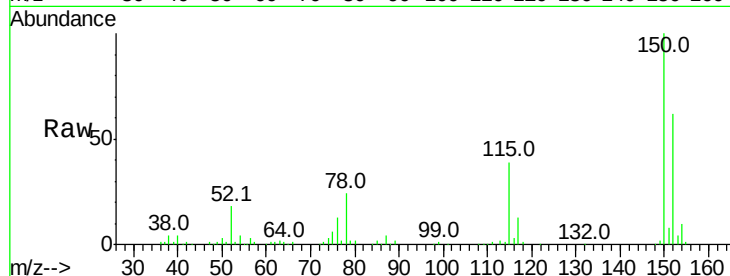


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF094636.D
Acq: 26 Apr 2017 6:25

Instrument :
BNA_F
ClientSampleId :

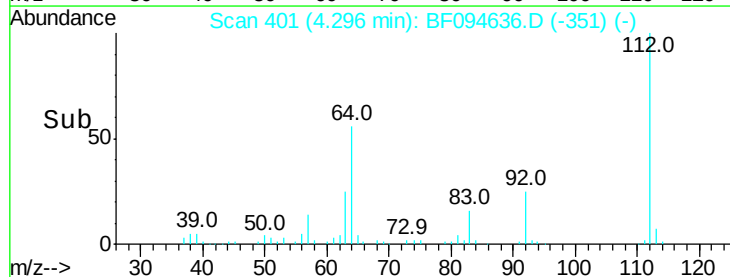
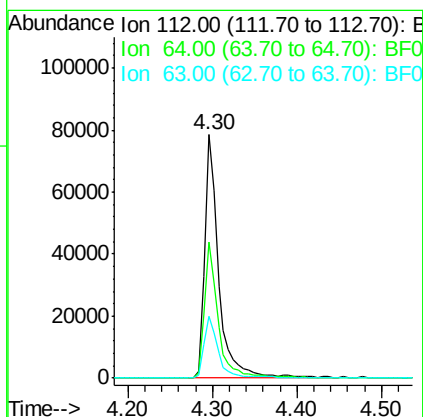
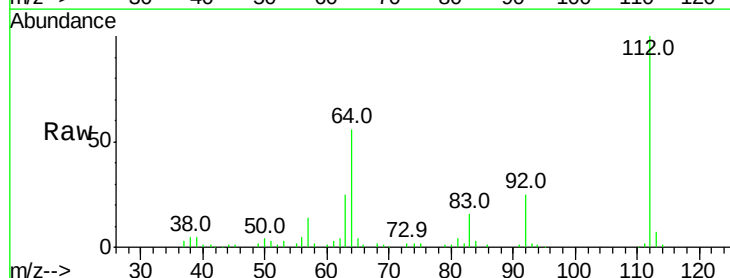
Tot Ion:152 Resp: 109239
Ion Ratio Lower Upper
152 100
150 161.6 126.2 189.2
115 63.2 52.2 78.2

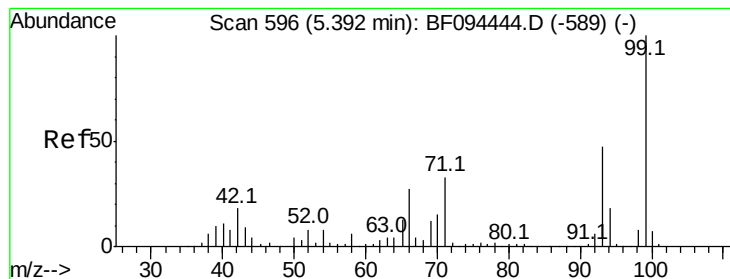


#5

2-Fluorophenol
Concen: 13.67 ng
RT: 4.30 min Scan# 401
Delta R.T. -0.01 min
Lab File: BF094636.D
Acq: 26 Apr 2017 6:25

Tgt Ion:112 Resp: 90022
Ion Ratio Lower Upper
112 100
64 55.9 46.0 69.0
63 25.4 23.4 35.0





#7

Phenol-d6

Concen: 14.59 ng

RT: 5.37 min Scan# 584

Delta R.T. -0.02 min

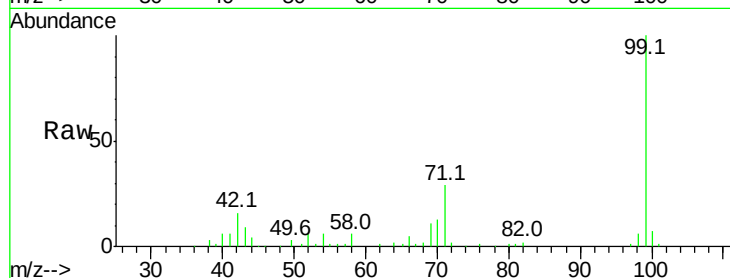
Lab File: BF094636.D

Acq: 26 Apr 2017 6:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 99 Resp: 113273

Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.5	20.3
71	29.3	24.5	36.7

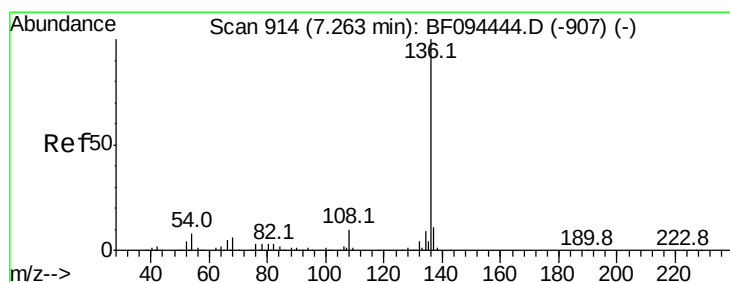
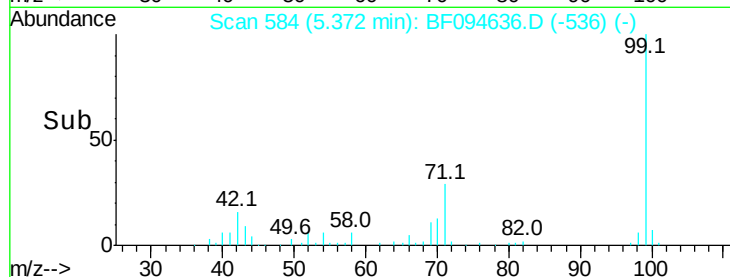
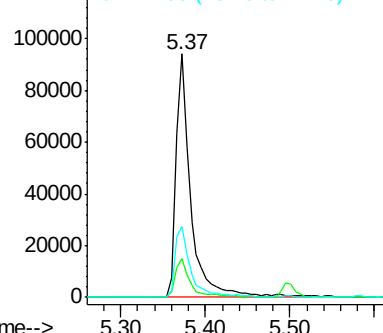


Abundance

Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF094636.D

Acq: 26 Apr 2017 6:25

Tgt Ion: 136 Resp: 431237

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	6.7	4.9	7.3
68	5.2	4.1	6.1

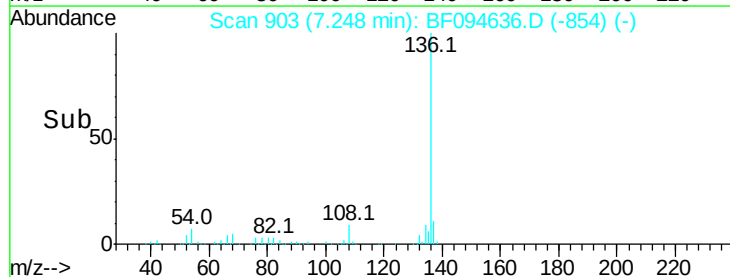
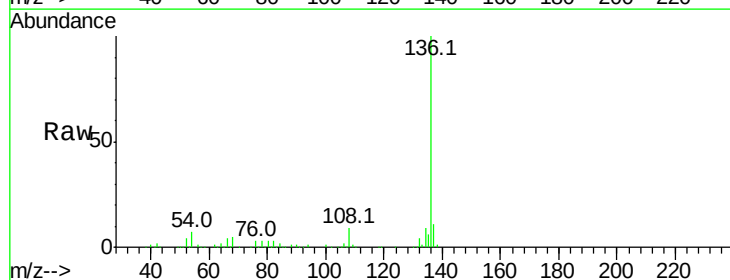
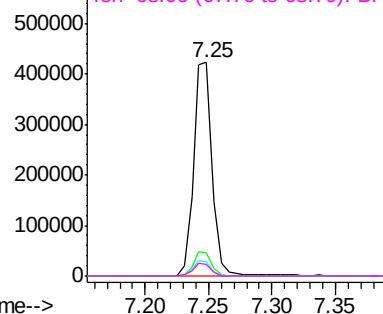
Abundance

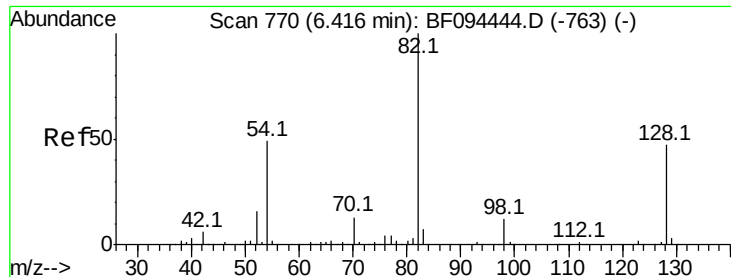
Ion 136.00 (135.70 to 136.70): E

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

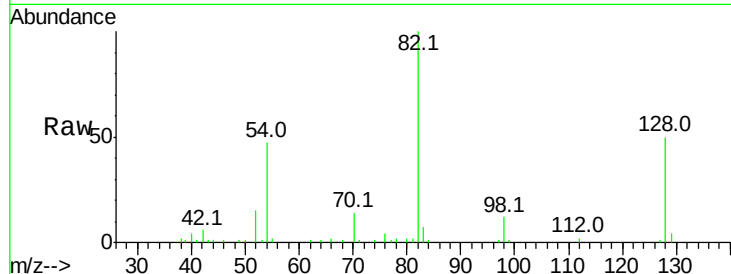




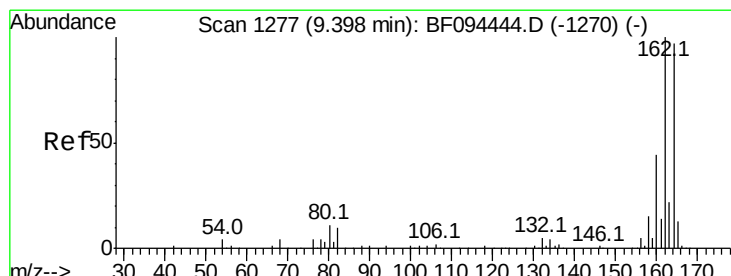
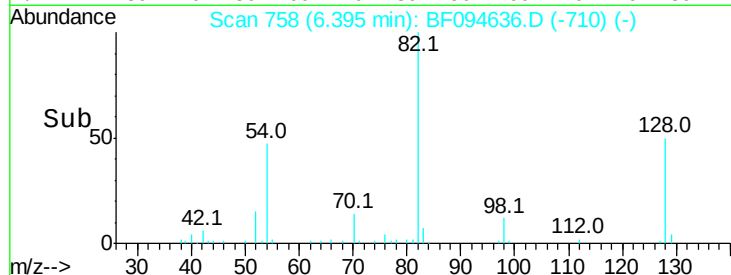
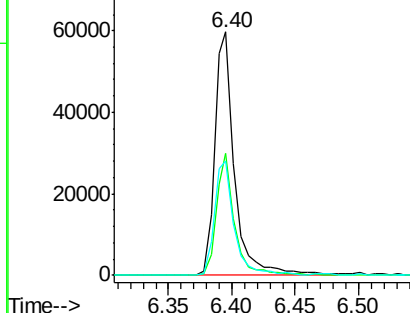
#23
 Nitrobenzene-d5
 Concen: 9.38 ng
 RT: 6.40 min Scan# 758
 Delta R.T. -0.02 min
 Lab File: BF094636.D
 Acq: 26 Apr 2017 6:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	65487
Ion Ratio	100	Lower	Upper
128	50.1	34.0	51.0
54	46.9	42.2	63.2

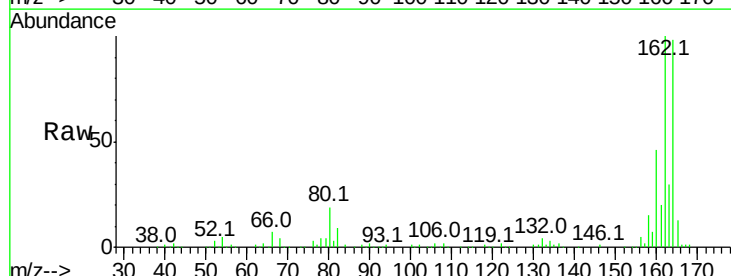


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

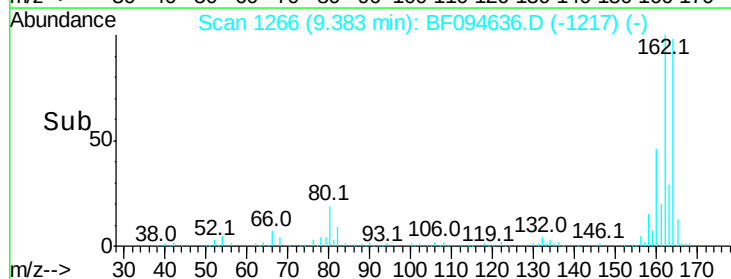
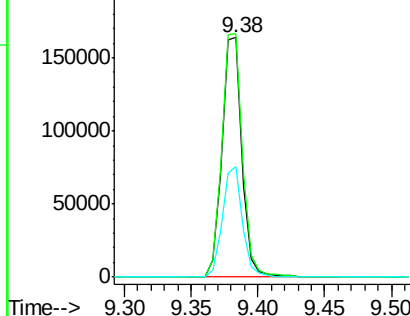


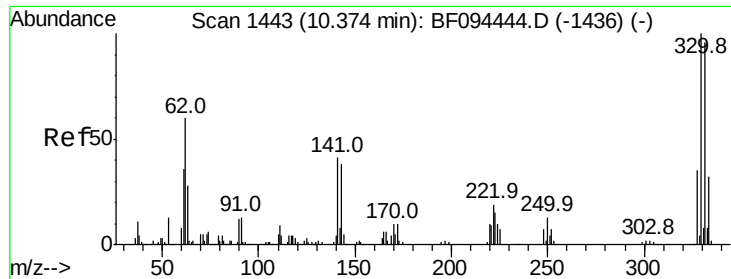
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: BF094636.D
 Acq: 26 Apr 2017 6:25

Tgt Ion	164	Resp	174681
Ion Ratio	100	Lower	Upper
162	101.6	82.6	123.8
160	46.3	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

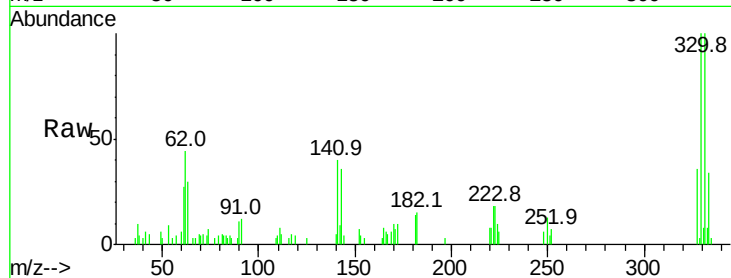




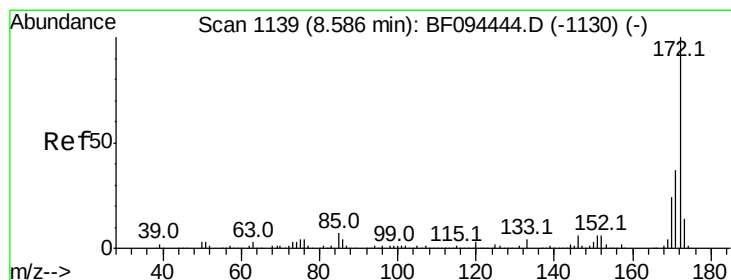
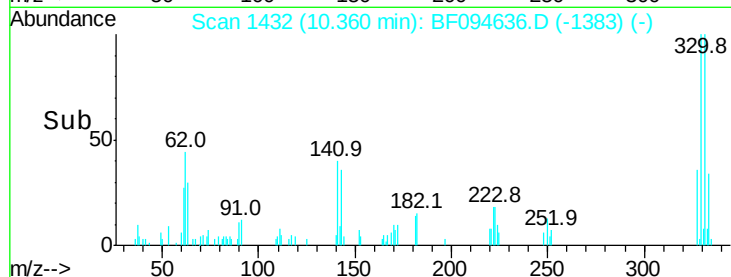
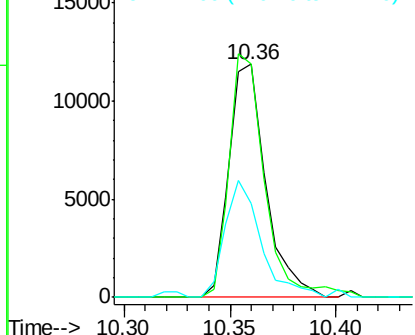
#41
 2,4,6-Tribromophenol
 Concen: 10.51 ng
 RT: 10.36 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF094636.D
 Acq: 26 Apr 2017 6:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 14356
 Ion Ratio Lower Upper
 330 100
 332 100.5 76.6 115.0
 141 48.8 31.4 47.2#

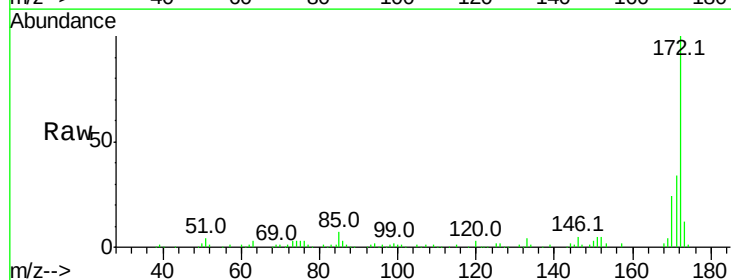


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

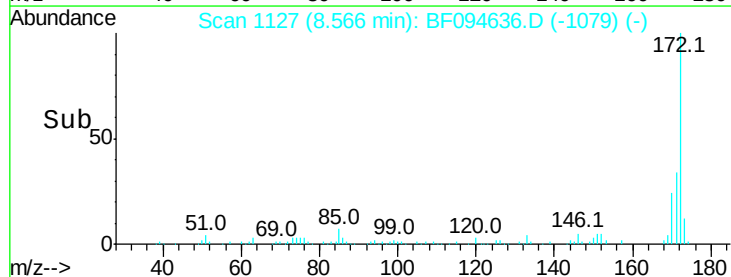
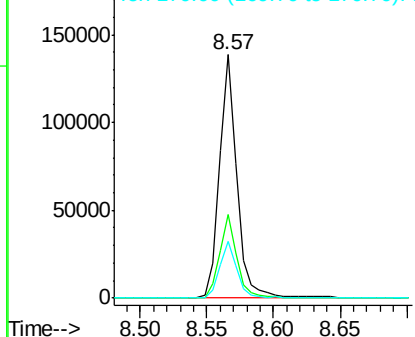


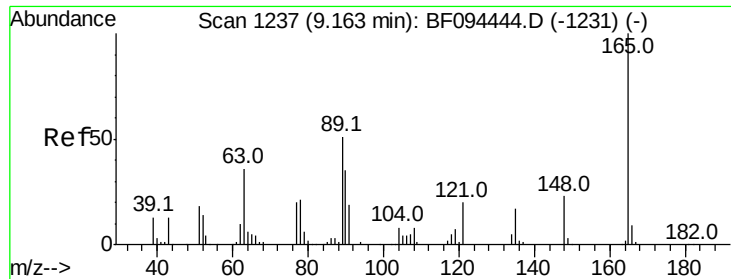
#44
 2-Fluorobiphenyl
 Concen: 10.89 ng
 RT: 8.57 min Scan# 1127
 Delta R.T. -0.02 min
 Lab File: BF094636.D
 Acq: 26 Apr 2017 6:25

Tgt Ion:172 Resp: 129326
 Ion Ratio Lower Upper
 172 100
 171 34.1 29.6 44.4
 170 23.5 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





#50

2,6-Dinitrotoluene

Concen: 7.72 ng

RT: 9.38 min Scan# 1265

Delta R.T. 0.21 min

Lab File: BF094636.D

Acq: 26 Apr 2017 6:25

Instrument :

BNA_F

ClientSampleId :

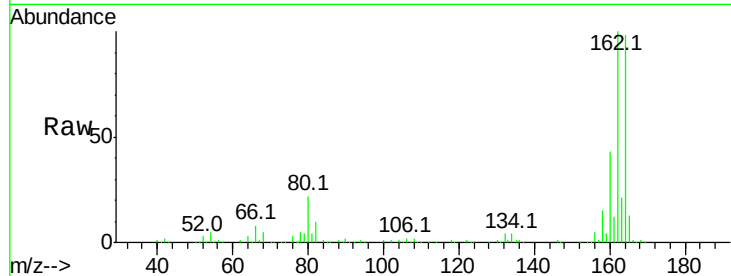
Tot Ion:165 Resp: 22562

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

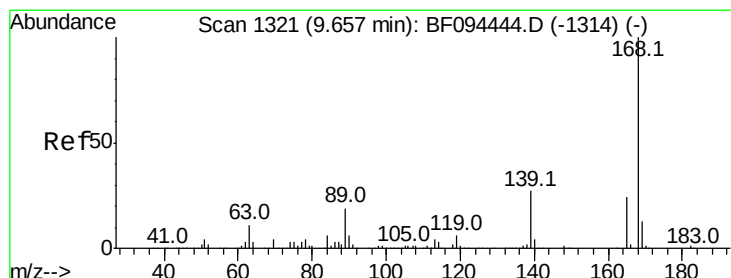
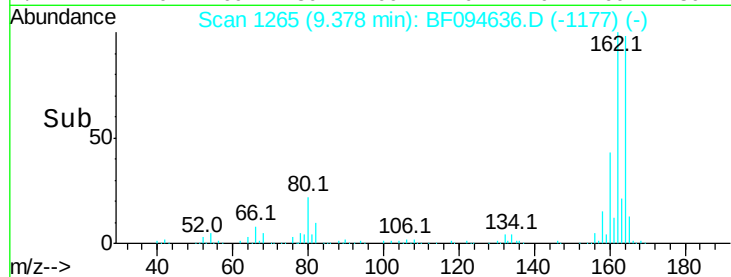
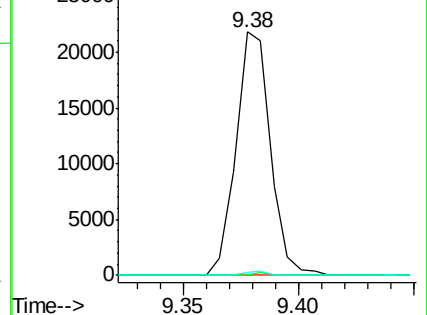
89 1.4 37.1 55.7#



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



#56

2,4-Dinitrotoluene

Concen: 6.29 ng

RT: 9.38 min Scan# 1265

Delta R.T. -0.28 min

Lab File: BF094636.D

Acq: 26 Apr 2017 6:25

Tgt Ion:165 Resp: 22561

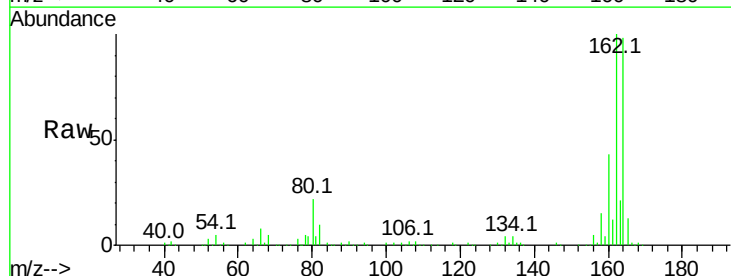
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 1.4 46.4 69.6#

182 0.0 1.8 2.6#

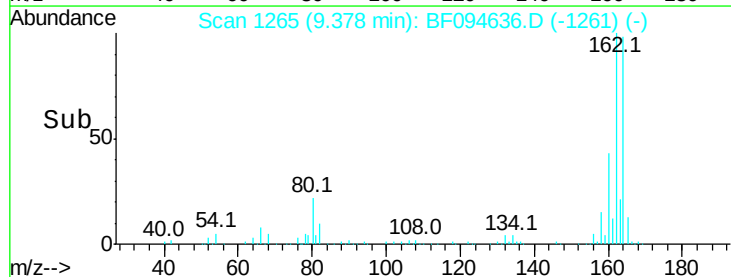
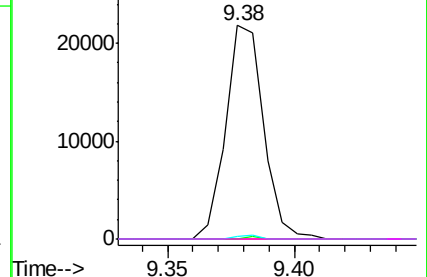


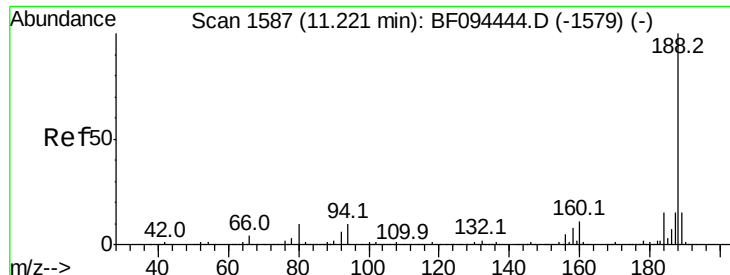
Abundance Ion 165.00 (164.70 to 165.70): E

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

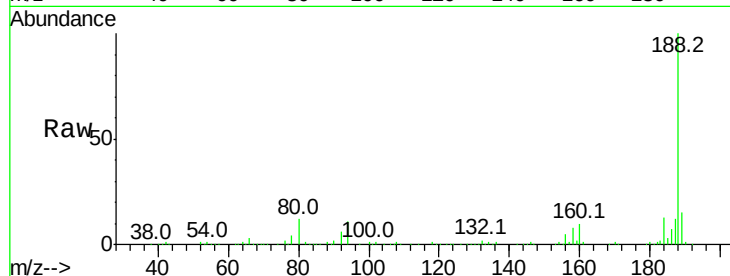




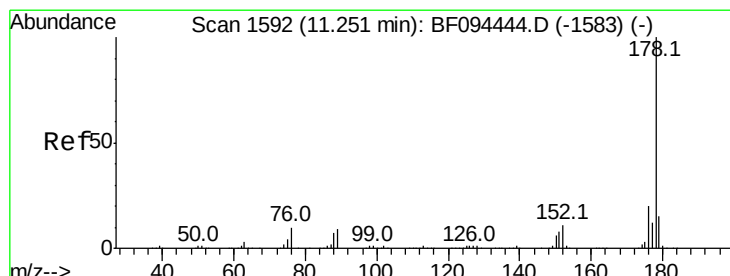
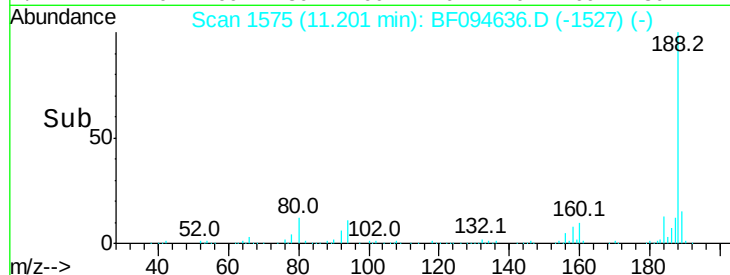
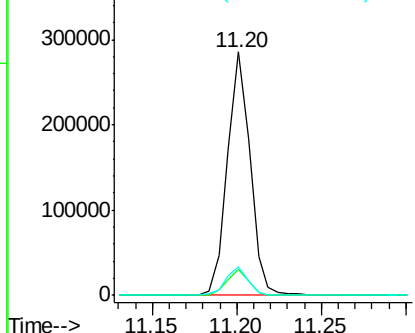
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF094636.D
Acq: 26 Apr 2017 6:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 267731
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 11.6 10.2 15.2

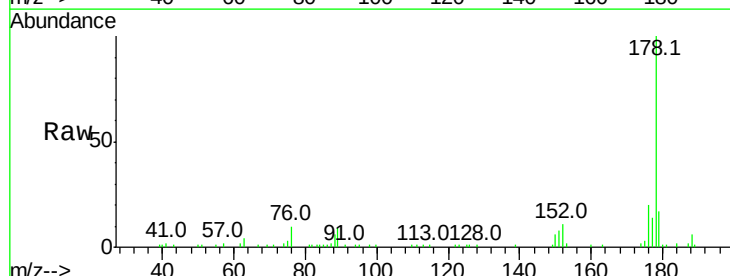


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

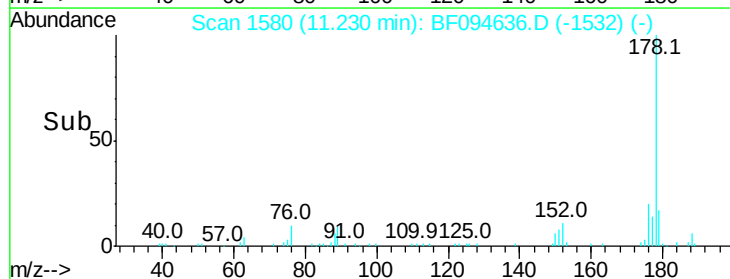
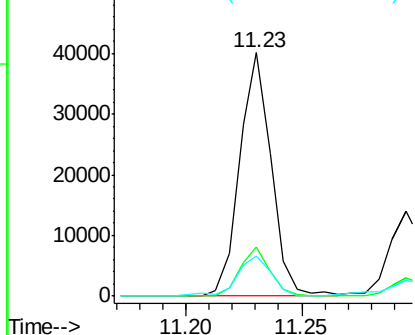


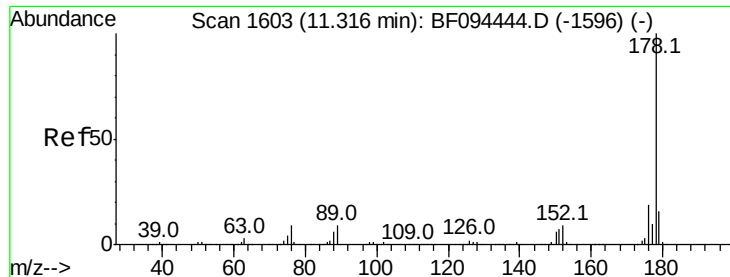
#70
Phenanthrene
Concen: 2.53 ng
RT: 11.23 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF094636.D
Acq: 26 Apr 2017 6:25

Tgt Ion:178 Resp: 38174
Ion Ratio Lower Upper
178 100
176 20.3 16.2 24.4
179 16.7 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

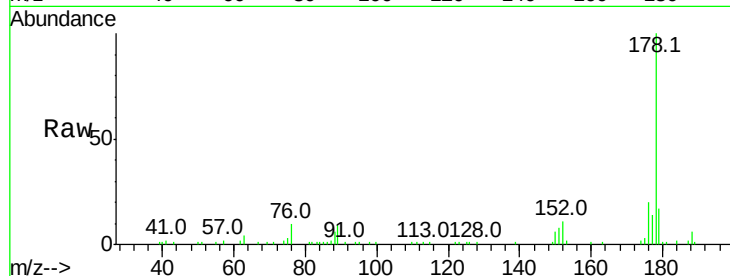




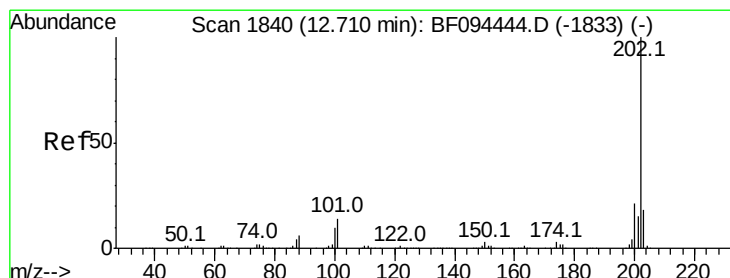
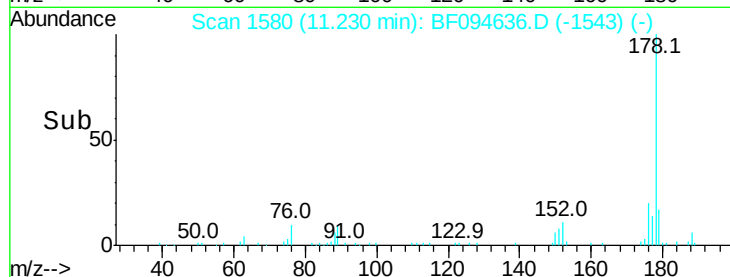
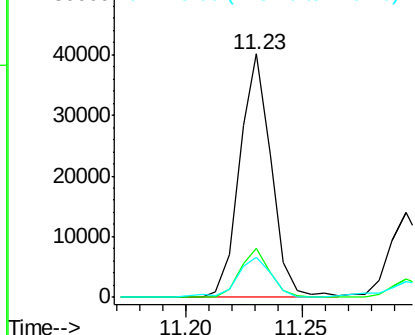
#71
 Anthracene
 Concen: 2.45 ng
 RT: 11.23 min Scan# 1580
 Delta R.T. -0.09 min
 Lab File: BF094636.D
 Acq: 26 Apr 2017 6:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 38174
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.8 23.8
 179 16.7 12.7 19.1

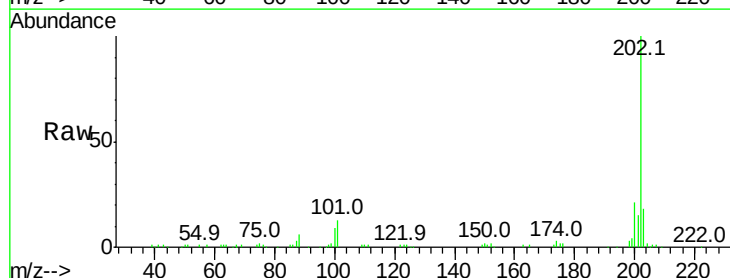


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

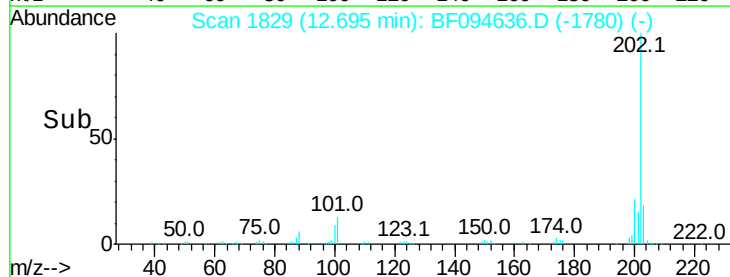
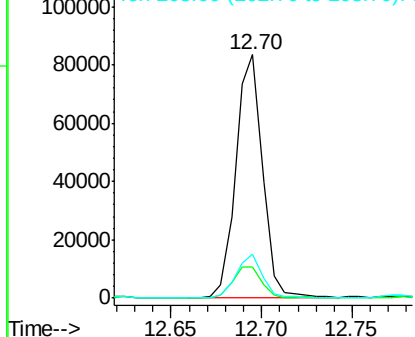


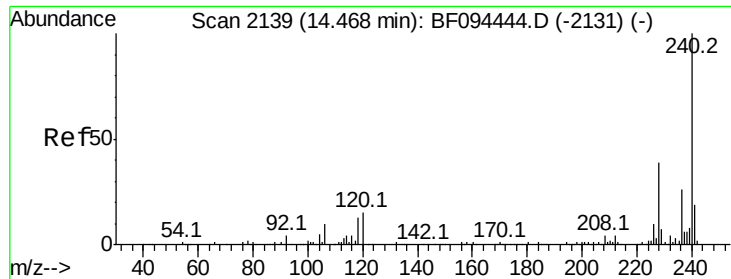
#74
 Fluoranthene
 Concen: 5.48 ng
 RT: 12.70 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF094636.D
 Acq: 26 Apr 2017 6:25

Tgt Ion:202 Resp: 85584
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 33.2
 203 18.2 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: 14.45 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF094636.D

Acq: 26 Apr 2017 6:25

Instrument :

BNA_F

ClientSampleId :

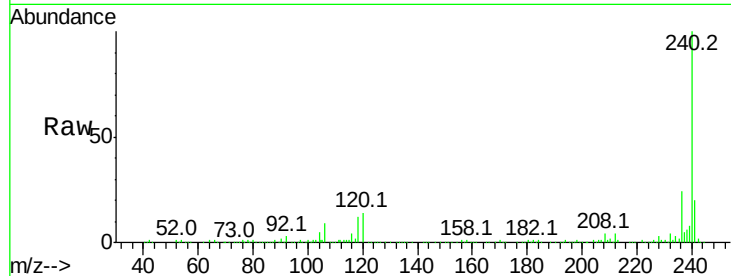
Tot Ion:240 Resp: 247659

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

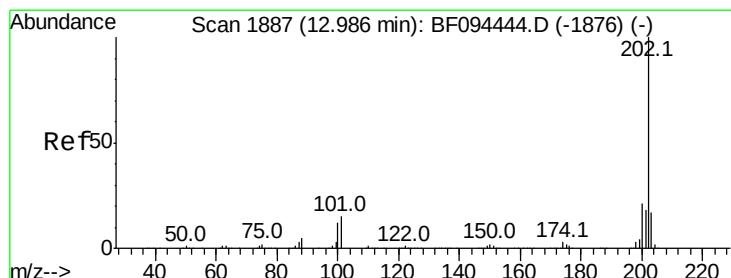
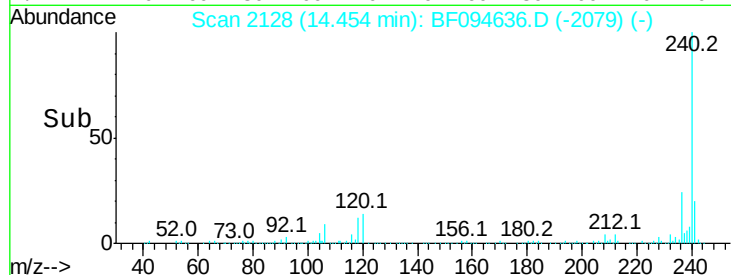
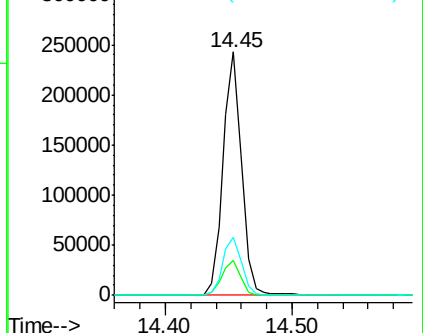
236 24.0 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.67 ng

RT: 12.97 min Scan# 1875

Delta R.T. -0.02 min

Lab File: BF094636.D

Acq: 26 Apr 2017 6:25

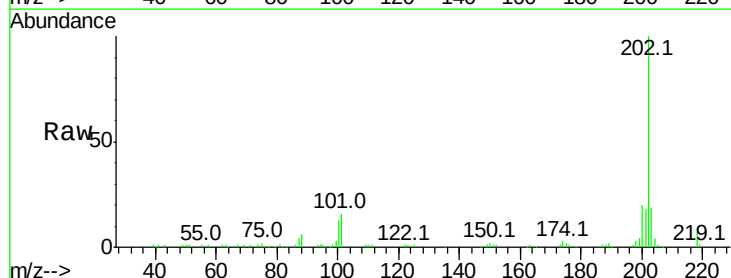
Tgt Ion:202 Resp: 80841

Ion Ratio Lower Upper

202 100

200 20.1 17.6 26.4

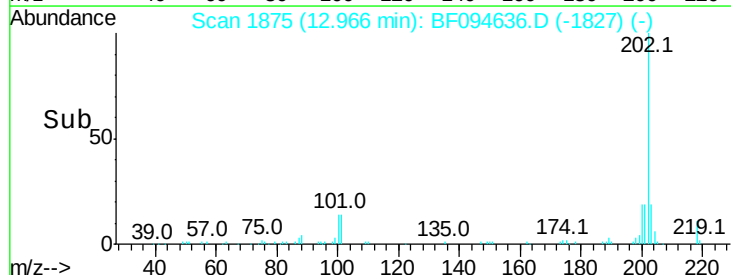
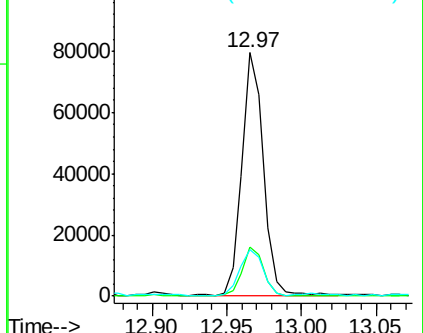
203 19.3 14.4 21.6

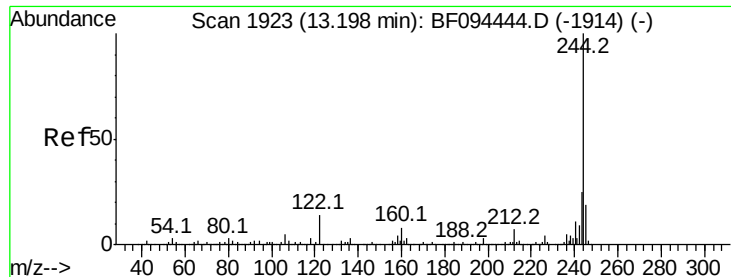


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

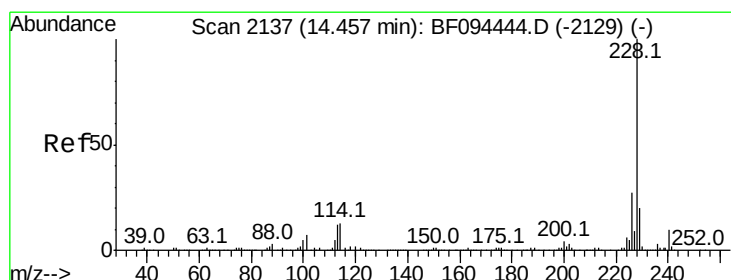
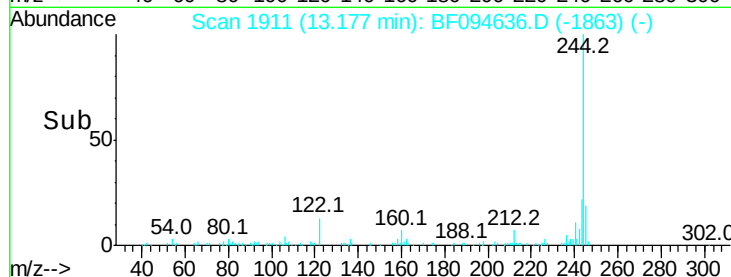
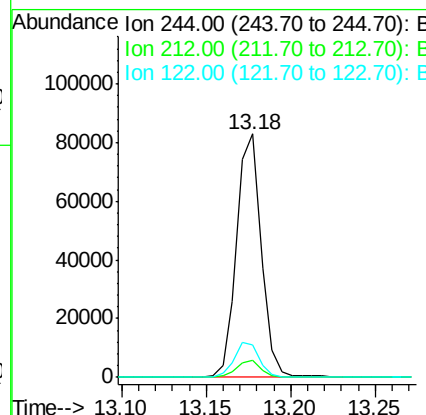
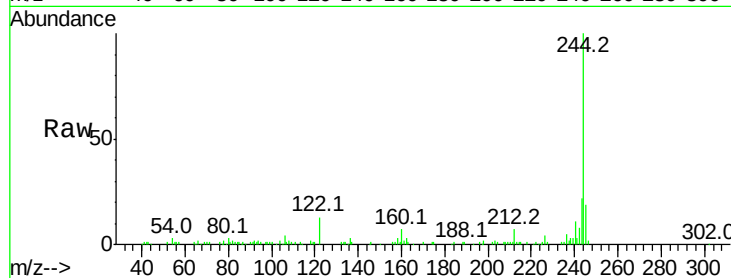




#78
 Terphenyl-d14
 Concen: 9.09 ng
 RT: 13.18 min Scan# 1911
 Delta R.T. -0.02 min
 Lab File: BF094636.D
 Acq: 26 Apr 2017 6:25

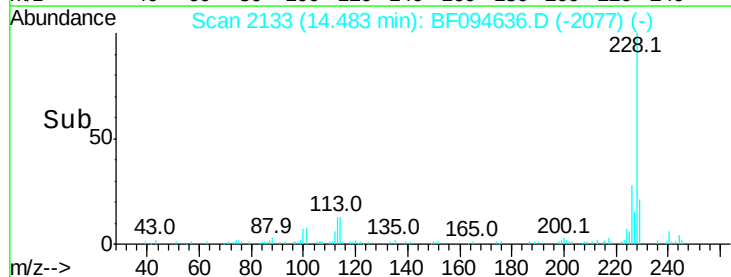
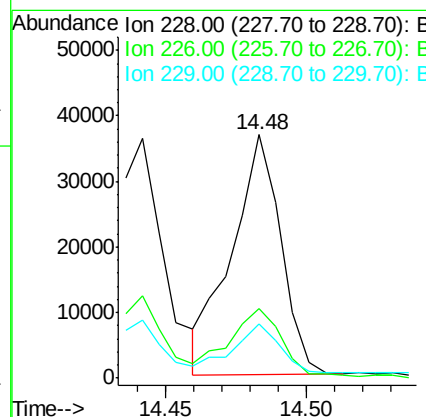
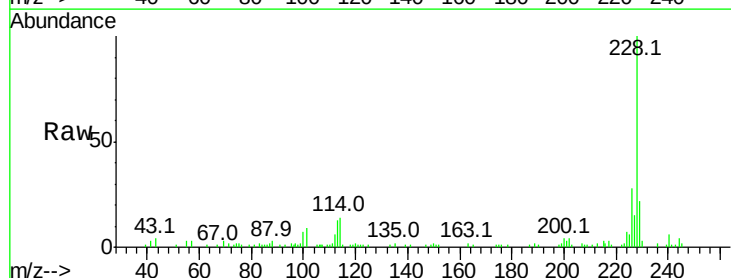
Instrument :
 BNA_F
 ClientSampleId :

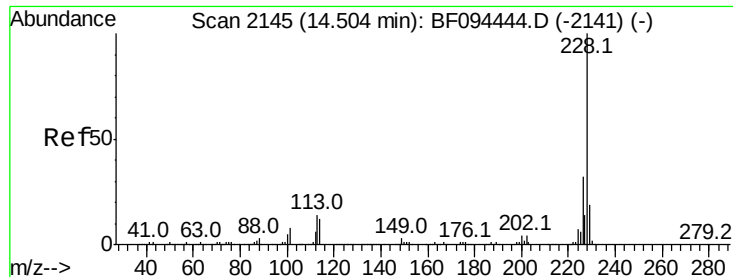
Tot Ion:244 Resp: 84193
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 13.1 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 3.08 ng
 RT: 14.48 min Scan# 2133
 Delta R.T. 0.03 min
 Lab File: BF094636.D
 Acq: 26 Apr 2017 6:25

Tgt Ion:228 Resp: 44314
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.6 33.8
 229 22.3 16.3 24.5

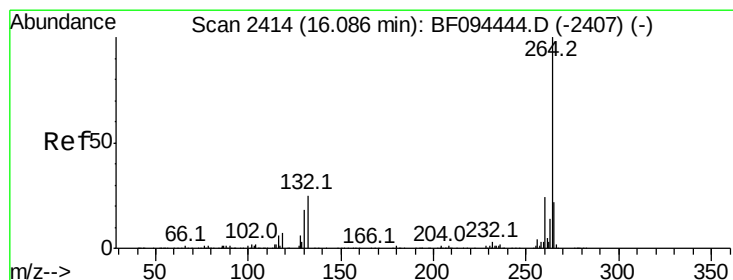
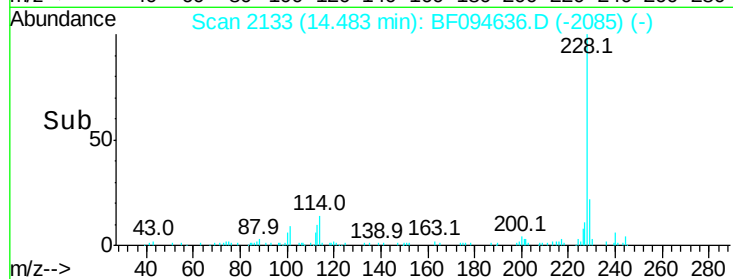
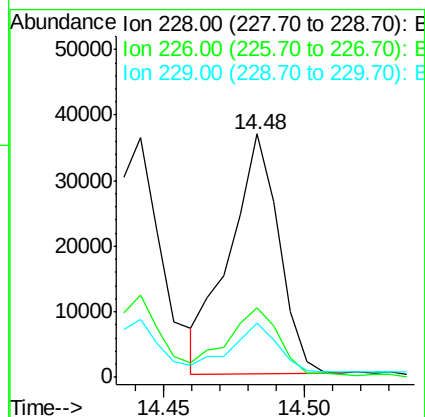
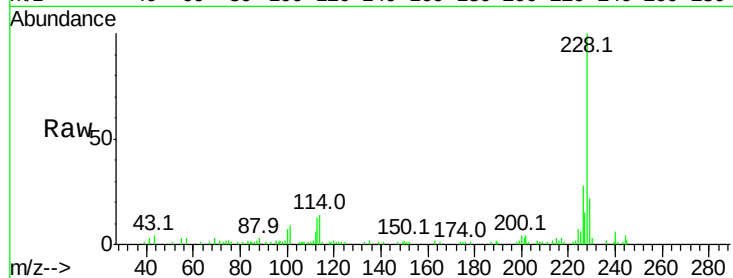




#82
Chrysene
Concen: 3.37 ng
RT: 14.48 min Scan# 2133
Delta R.T. -0.02 min
Lab File: BF094636.D
Acq: 26 Apr 2017 6:25

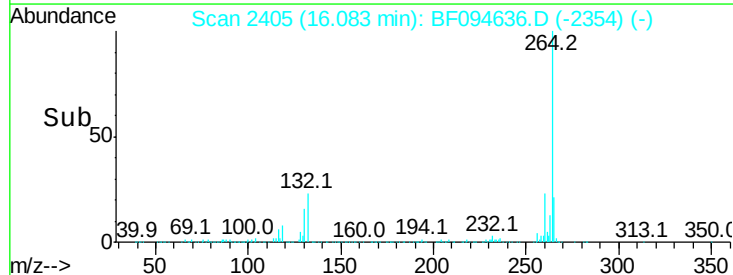
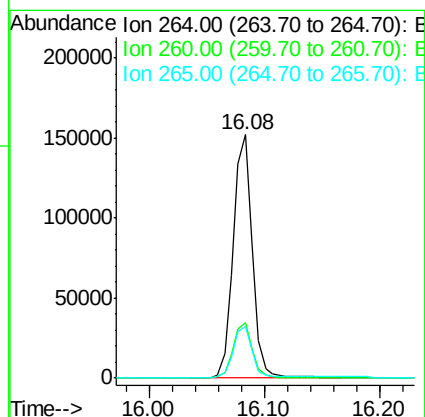
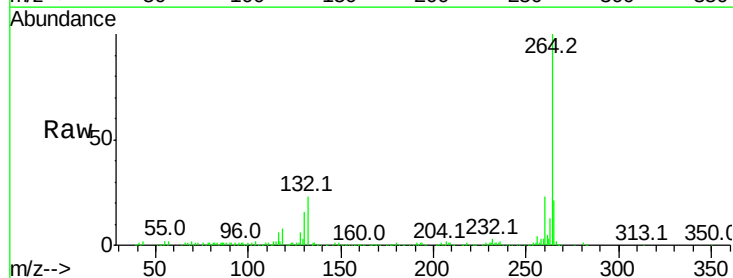
Instrument :
BNA_F
ClientSampleId :

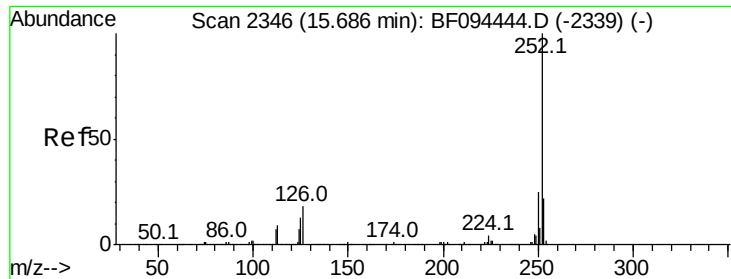
Tot	Ion:228	Resp:	44314
Ion	Ratio	Lower	Upper
228	100		
226	28.5	24.9	37.3
229	22.3	15.8	23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2405
Delta R.T. -0.00 min
Lab File: BF094636.D
Acq: 26 Apr 2017 6:25

Tgt Ion	264	Resp: Lower	174517 Upper
	Ratio		
264	100		
260	23.0	19.5	29.3
265	21.3	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 6.93 ng

RT: 15.68 min Scan# 2337

Delta R.T. -0.00 min

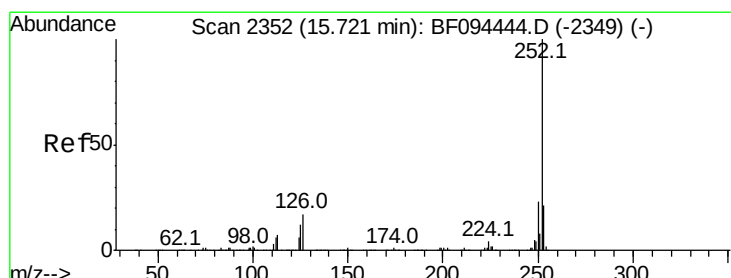
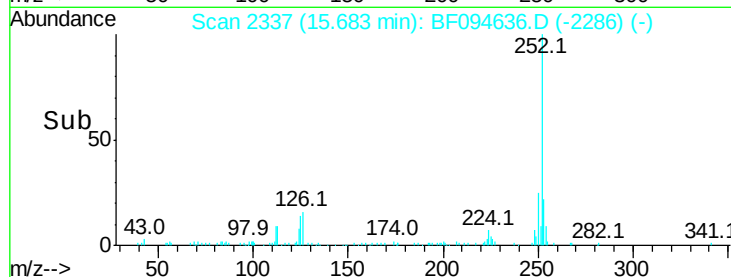
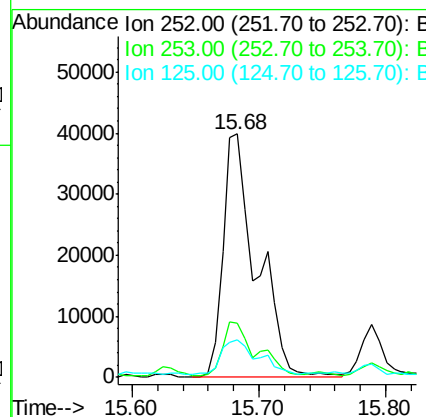
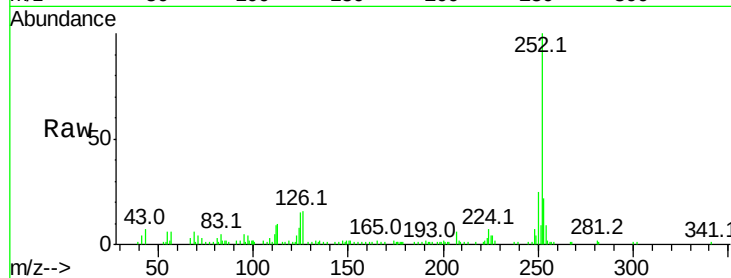
Lab File: BF094636.D

Acq: 26 Apr 2017 6:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 73948

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	15.2	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 7.32 ng

RT: 15.68 min Scan# 2337

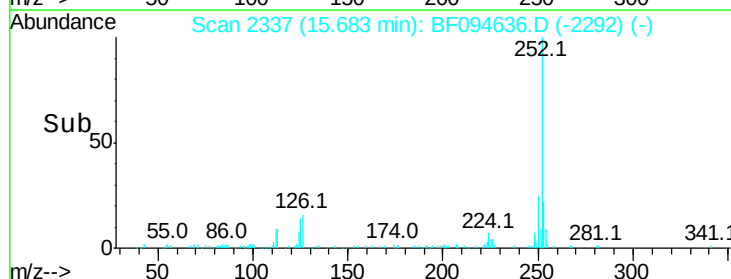
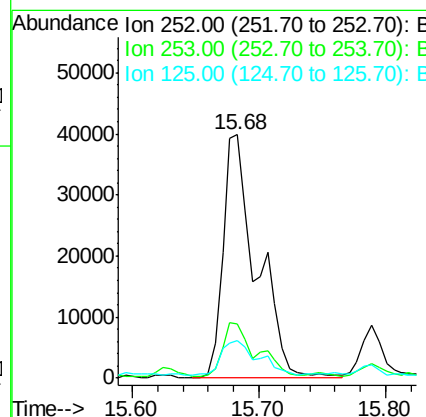
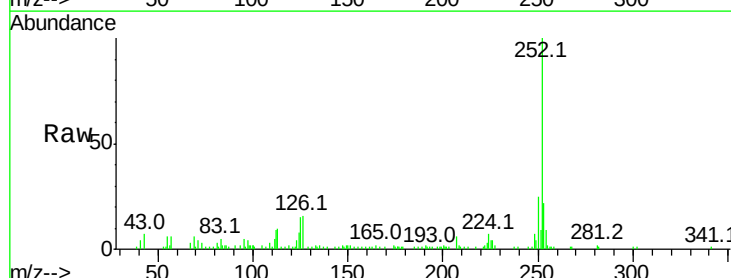
Delta R.T. -0.04 min

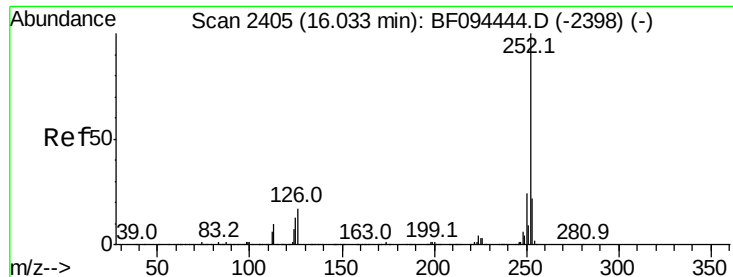
Lab File: BF094636.D

Acq: 26 Apr 2017 6:25

Tgt Ion:252 Resp: 73948

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.4	27.6
125	15.2	13.1	19.7





#89

Benzo(a)pyrene

Concen: 2.98 ng

RT: 16.02 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BF094636.D

Acq: 26 Apr 2017 6:25

Instrument :

BNA_F

ClientSampleId :

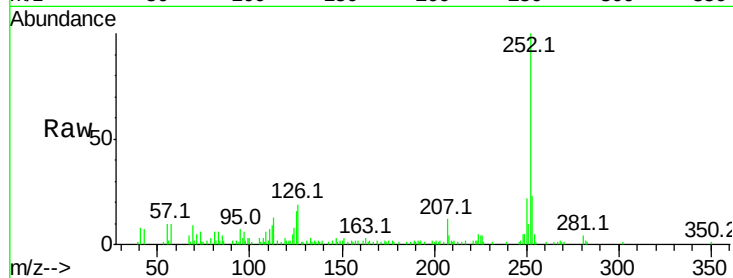
Tot Ion:252 Resp: 29601

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 15.9 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

