

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\
 Data File : BF094345.D
 Acq On : 11 Apr 2017 8:16
 Operator : SJ/MA
 Sample : I2601-01
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 08:44:07 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

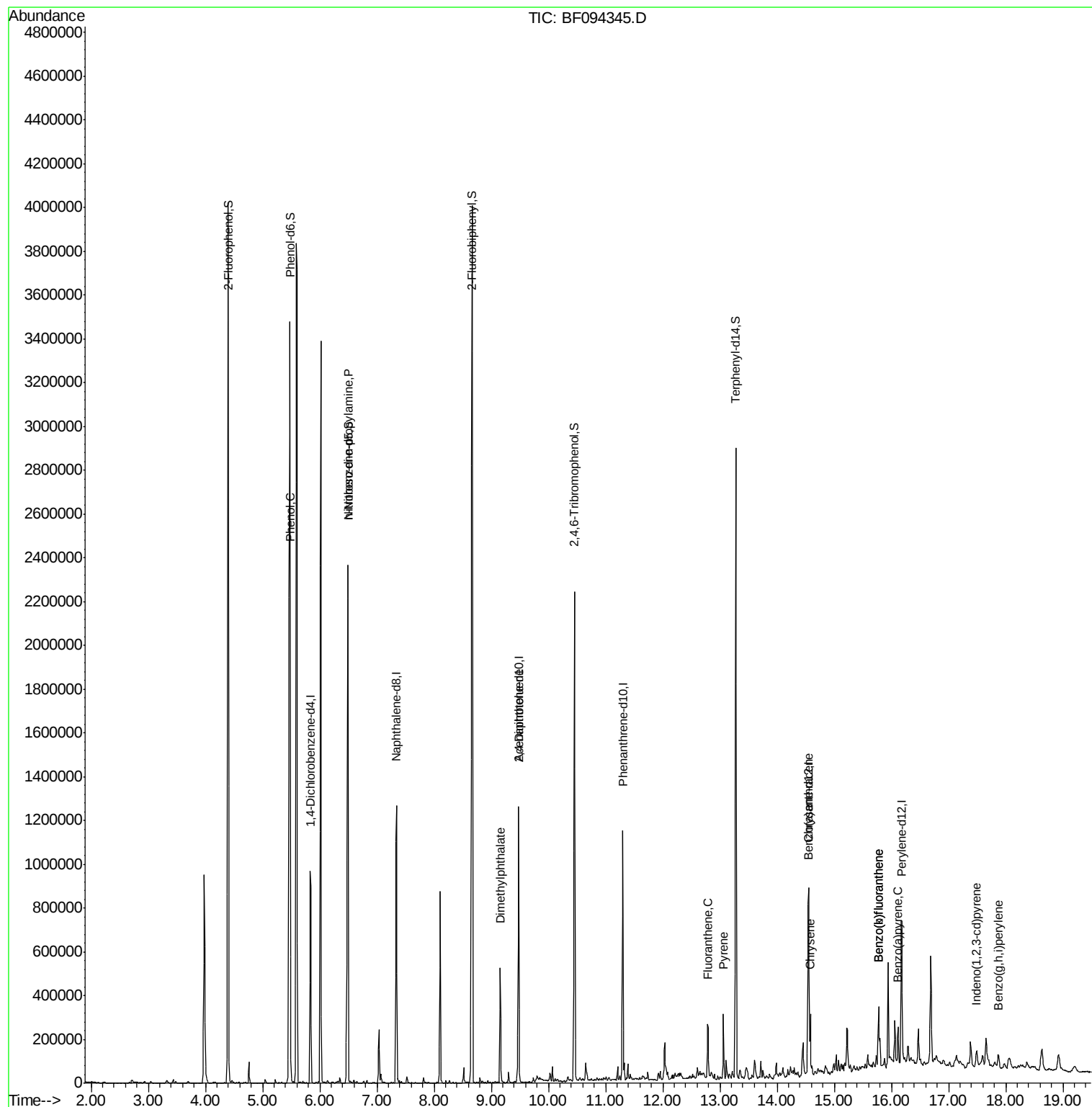
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.83	152	167408	20.00	ng	-0.02
21) Naphthalene-d8	7.34	136	650864	20.00	ng	-0.02
38) Acenaphthene-d10	9.47	164	279826	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	450004	20.00	ng	-0.02
75) Chrysene-d12	14.55	240	323518	20.00	ng	-0.02
86) Perylene-d12	16.18	264	271815	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.40	112	1305058	131.67	ng	0.01
7) Phenol-d6	5.47	99	1688357	137.69	ng	0.01
23) Nitrobenzene-d5	6.49	82	1040926	91.27	ng	-0.02
41) 2,4,6-Tribromophenol	10.46	330	309013	139.75	ng	-0.02
44) 2-Fluorobiphenyl	8.66	172	1602919	87.37	ng	-0.02
78) Terphenyl-d14	13.28	244	1027193	71.17	ng	-0.02
Target Compounds						Qvalue
10) Phenol	5.49	94	121329	8.70	ng	86
19) n-Nitroso-di-n-propylamine	6.49	70	138570	17.58	ng	# 78
49) Dimethylphthalate	9.16	163	220095	11.06	ng	98
56) 2,4-Dinitrotoluene	9.47	165	35538	6.20	ng	# 33
74) Fluoranthene	12.79	202	109858	4.29	ng	99
77) Pyrene	13.06	202	123202	5.25	ng	98
80) Benzo(a)anthracene	14.54	228	65536	3.47	ng	95
82) Chrysene	14.58	228	119194	6.81	ng	95
85) Indeno(1,2,3-cd)pyrene	17.49	276	45743	3.02	ng	95
87) Benzo(b)fluoranthene	15.77	252	183782	11.03	ng	# 96
88) Benzo(k)fluoranthene	15.77	252	183782	11.27	ng	97
89) Benzo(a)pyrene	16.12	252	64814	4.22	ng	98
91) Benzo(a,h,i)perylene	17.87	276	40459	3.09	ng	93

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

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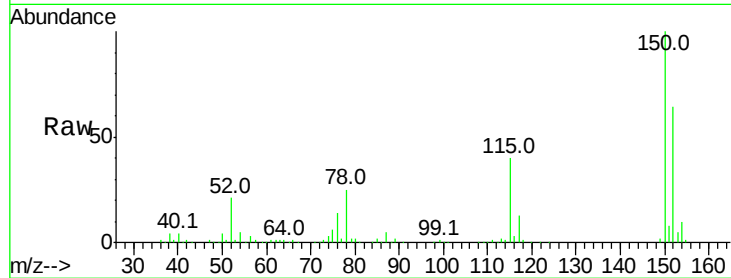


#1

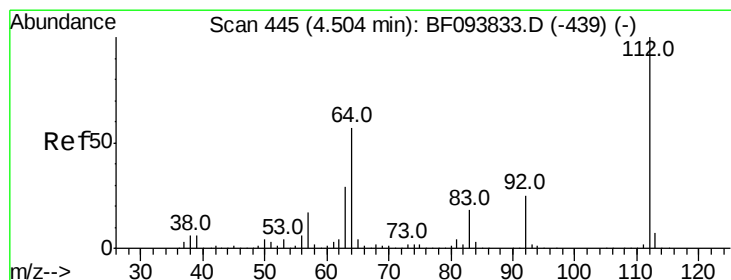
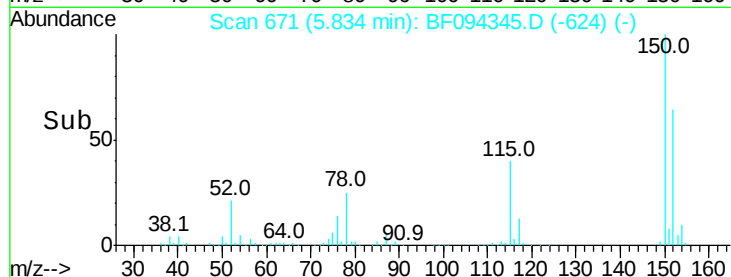
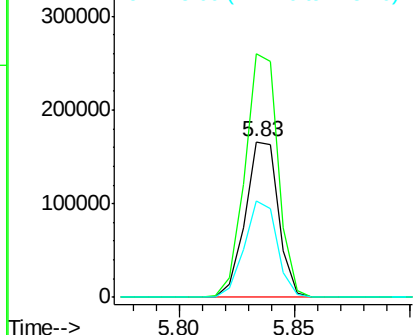
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.83 min Scan# 671
Delta R.T. -0.02 min
Lab File: BF094345.D
Acq: 11 Apr 2017 8:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 167408
Ion Ratio Lower Upper
152 100
150 156.3 126.2 189.2
115 62.0 52.2 78.2



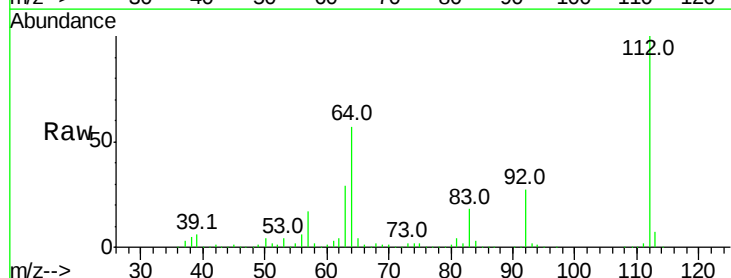
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



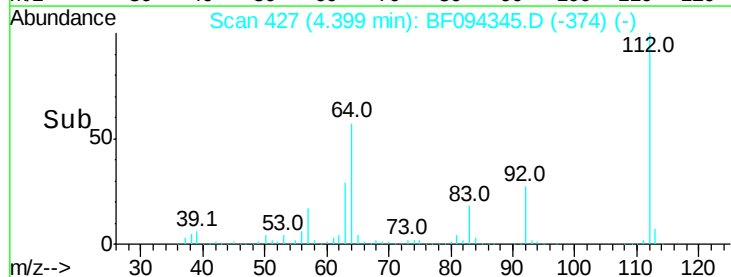
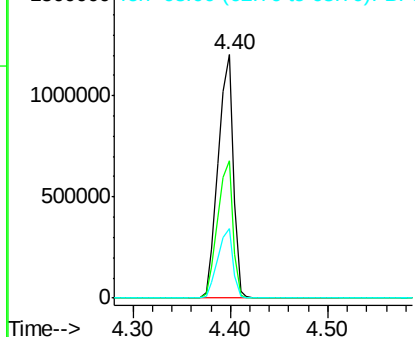
#5

2-Fluorophenol
Concen: 131.67 ng
RT: 4.40 min Scan# 427
Delta R.T. 0.01 min
Lab File: BF094345.D
Acq: 11 Apr 2017 8:16

Tgt Ion:112 Resp: 1305058
Ion Ratio Lower Upper
112 100
64 56.5 46.0 69.0
63 28.7 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: 137.69 ng

RT: 5.47 min Scan# 610

Delta R.T. 0.01 min

Lab File: BF094345.D

Acq: 11 Apr 2017 8:16

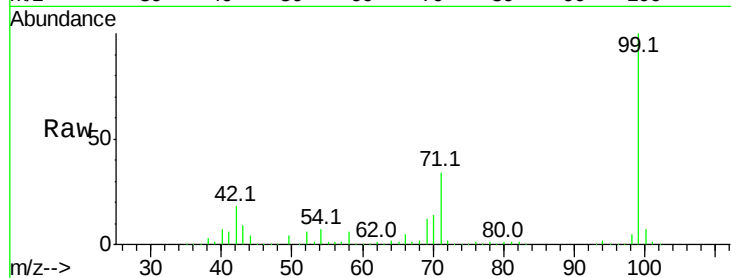
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1688357

Ion	Ratio	Lower	Upper
99	100		
42	17.6	13.5	20.3
71	34.0	24.5	36.7

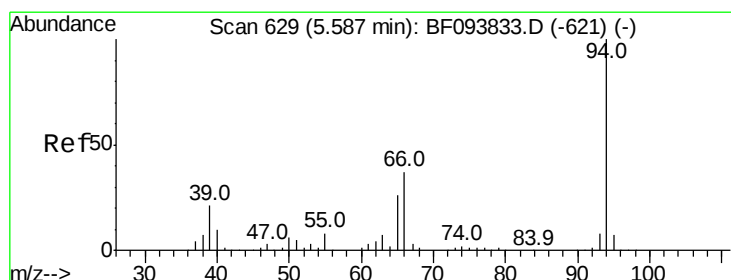
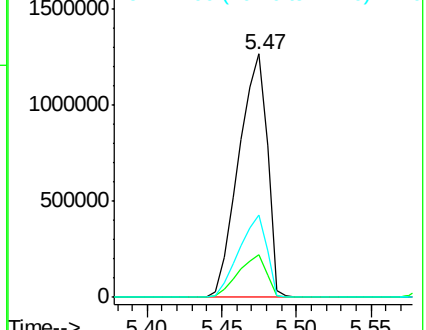
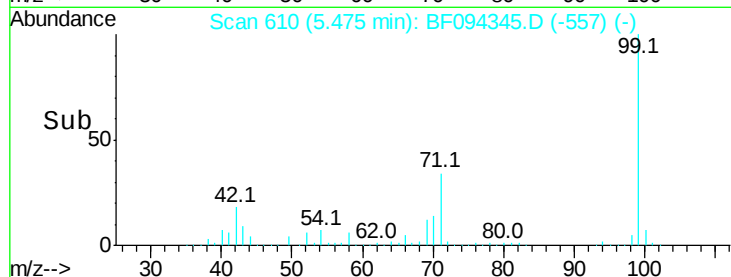


Abundance

Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 8.70 ng

RT: 5.49 min Scan# 612

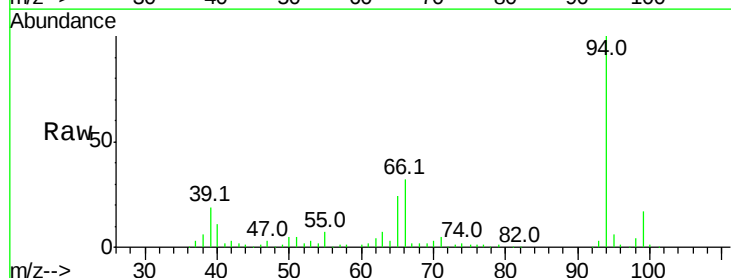
Delta R.T. 0.01 min

Lab File: BF094345.D

Acq: 11 Apr 2017 8:16

Tgt Ion: 94 Resp: 121329

Ion	Ratio	Lower	Upper
94	100		
65	23.8	9.9	49.9
66	32.4	23.1	63.1

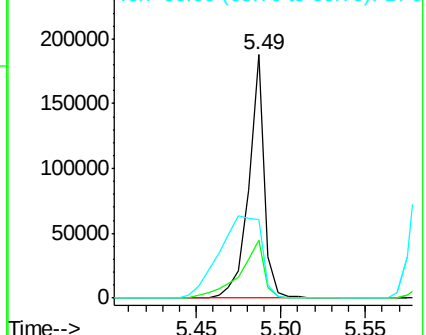
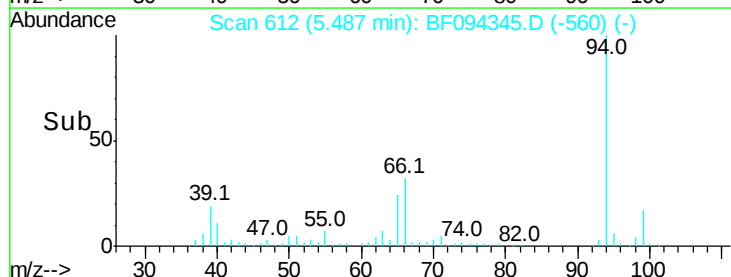


Abundance

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: 17.58 ng

RT: 6.49 min Scan# 783

Delta R.T. 0.15 min

Lab File: BF094345.D

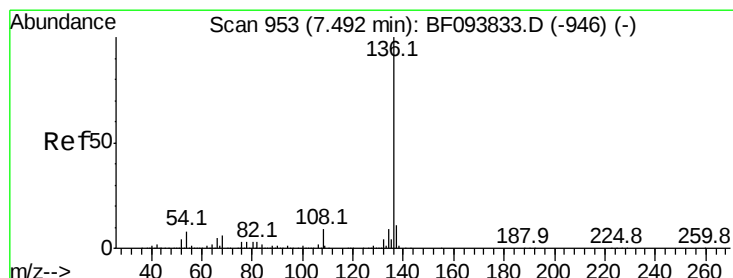
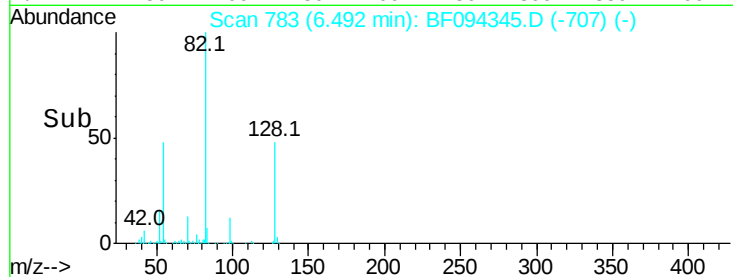
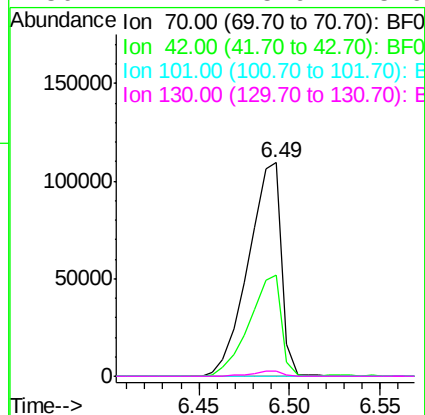
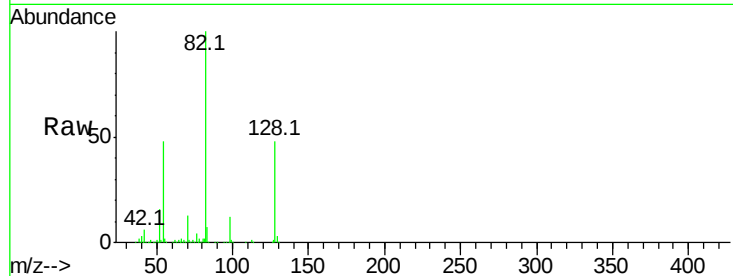
Acq: 11 Apr 2017 8:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	138570
Ion	Ratio	Lower	Upper
70	100		
42	47.1	47.2	70.8#
101	0.0	7.2	10.8#
130	2.4	15.9	23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

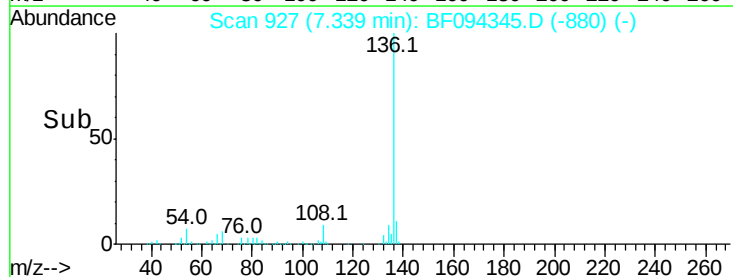
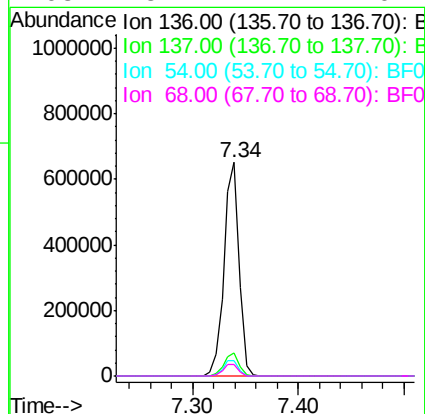
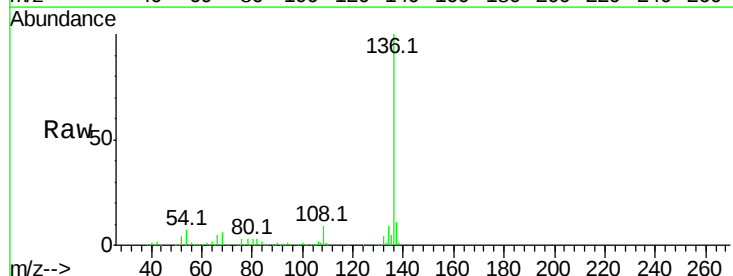
RT: 7.34 min Scan# 927

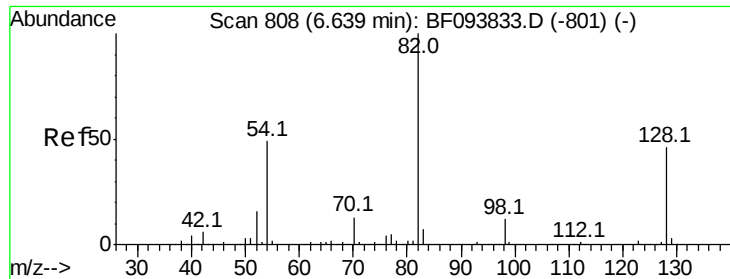
Delta R.T. -0.02 min

Lab File: BF094345.D

Acq: 11 Apr 2017 8:16

Tgt Ion:	136	Resp:	650864
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	7.4	4.9	7.3#
68	5.7	4.1	6.1

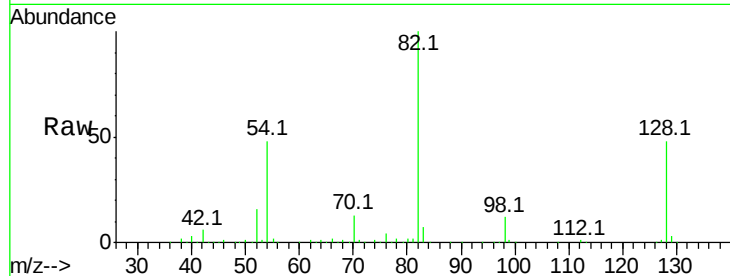




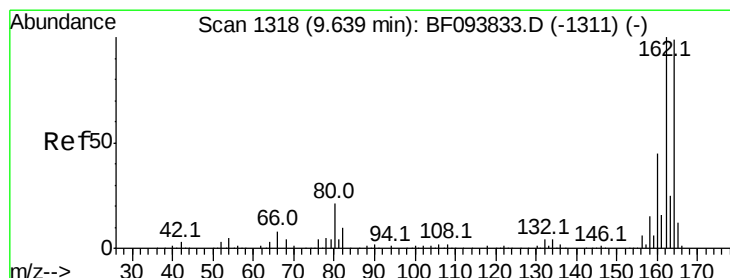
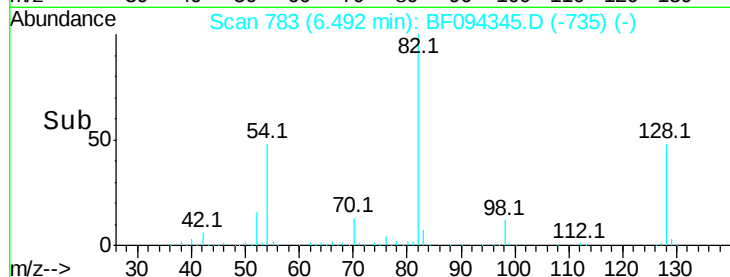
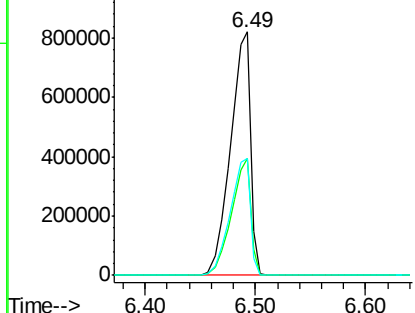
#23
Nitrobenzene-d5
Concen: 91.27 ng
RT: 6.49 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF094345.D
Acq: 11 Apr 2017 8:16

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 1040926
Ion Ratio Lower Upper
82 100
128 48.0 34.0 51.0
54 48.2 42.2 63.2

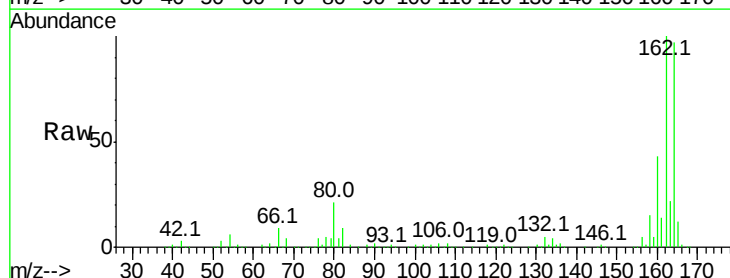


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

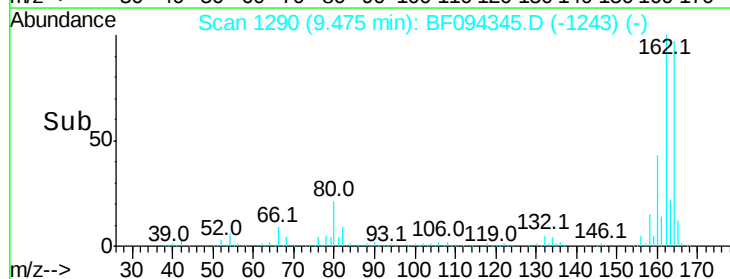
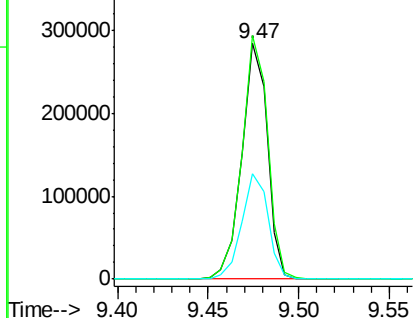


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.47 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF094345.D
Acq: 11 Apr 2017 8:16

Tgt Ion:164 Resp: 279826
Ion Ratio Lower Upper
164 100
162 103.4 82.6 123.8
160 44.7 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

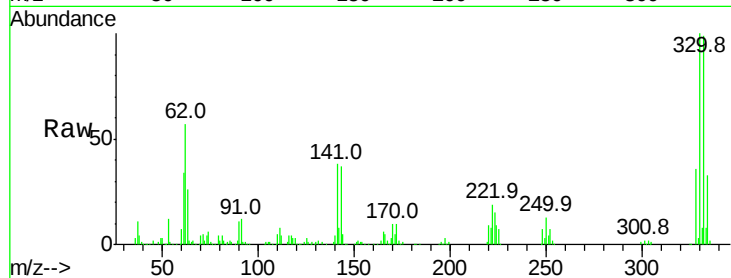




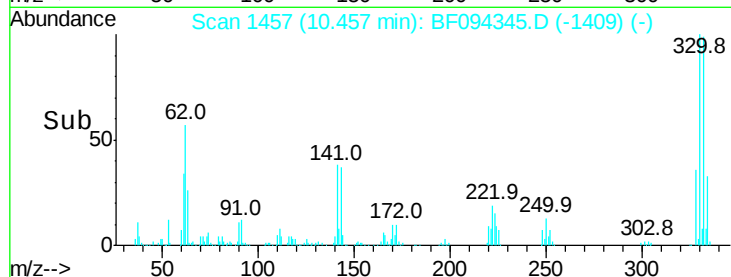
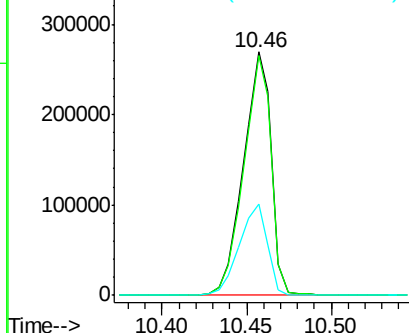
#41
 2,4,6-Tribromophenol
 Concen: 139.75 ng
 RT: 10.46 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF094345.D
 Acq: 11 Apr 2017 8:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 309013
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 115.0
 141 38.3 31.4 47.2

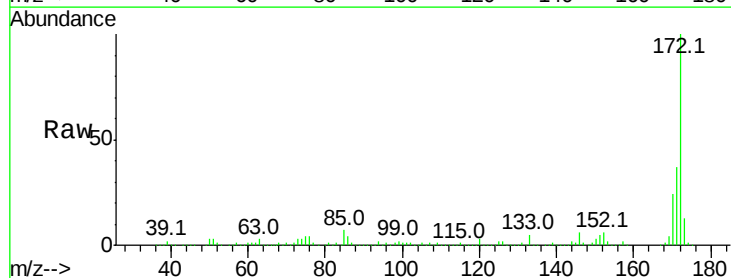


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

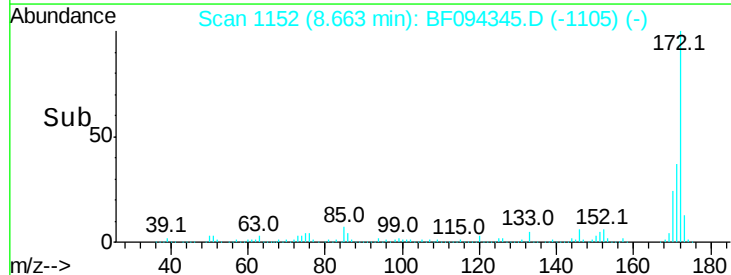
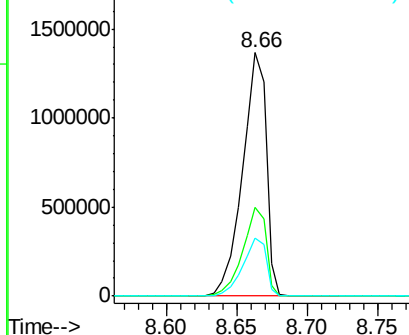


#44
 2-Fluorobiphenyl
 Concen: 87.37 ng
 RT: 8.66 min Scan# 1152
 Delta R.T. -0.02 min
 Lab File: BF094345.D
 Acq: 11 Apr 2017 8:16

Tgt Ion:172 Resp: 1602919
 Ion Ratio Lower Upper
 172 100
 171 36.6 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

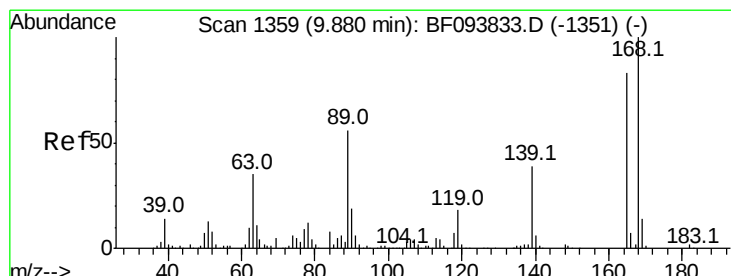
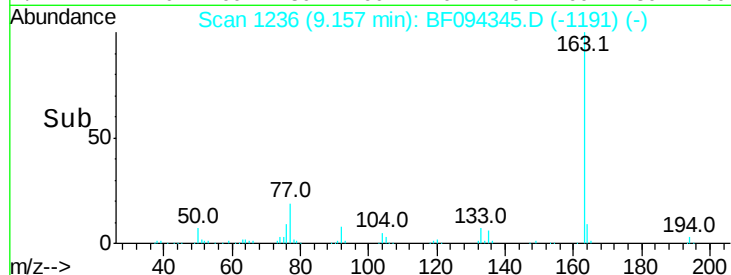
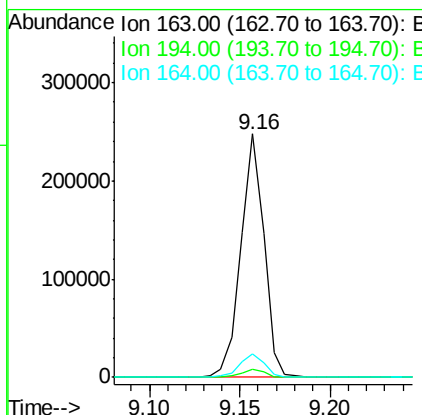
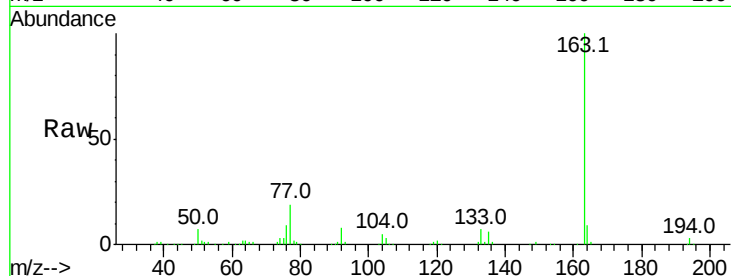




#49
Dimethylphthalate
Concen: 11.06 ng
RT: 9.16 min Scan# 1236
Delta R.T. -0.04 min
Lab File: BF094345.D
Acq: 11 Apr 2017 8:16

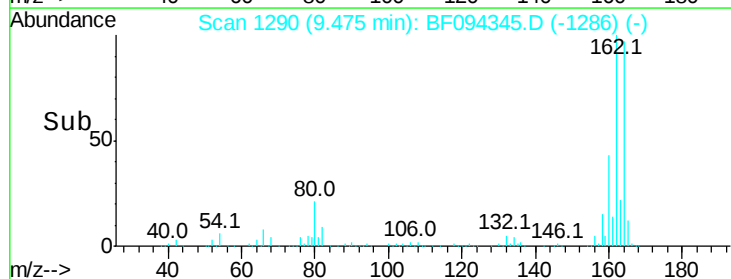
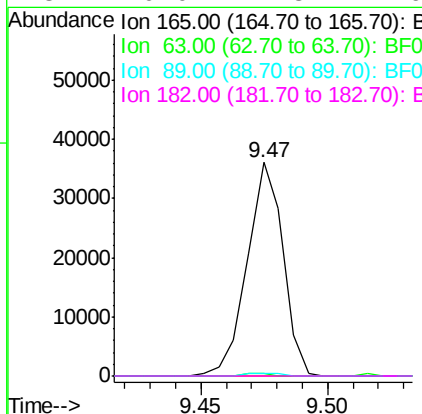
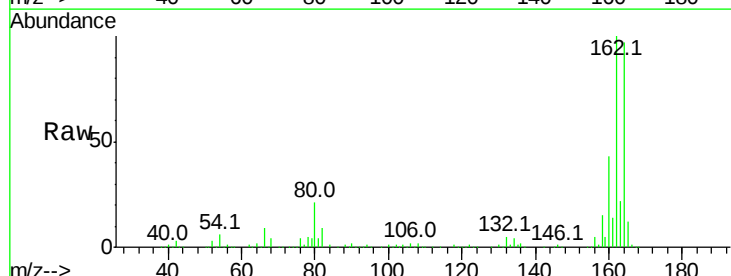
Instrument :
BNA_F
ClientSampleId :

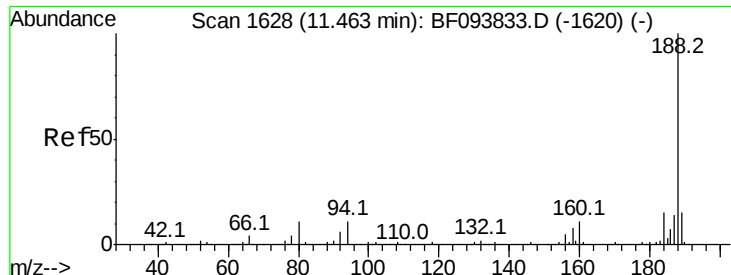
Tot Ion:163 Resp: 220095
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.5 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.20 ng
RT: 9.47 min Scan# 1290
Delta R.T. -0.28 min
Lab File: BF094345.D
Acq: 11 Apr 2017 8:16

Tgt Ion:165 Resp: 35538
Ion Ratio Lower Upper
165 100
63 1.3 25.4 38.0#
89 1.3 46.4 69.6#
182 0.0 1.8 2.6#

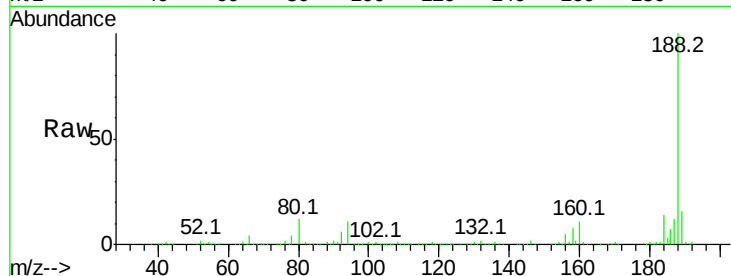




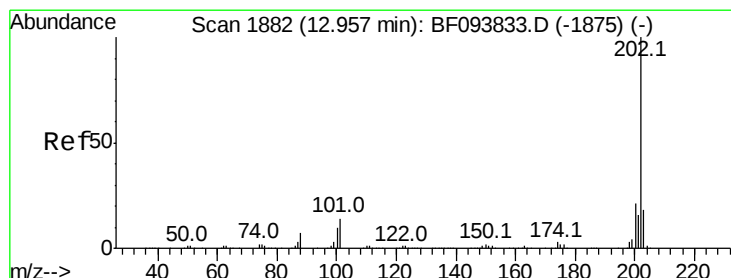
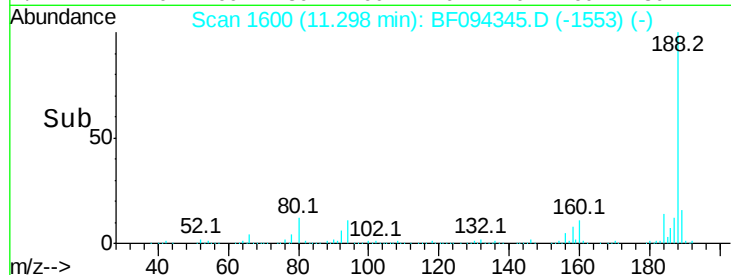
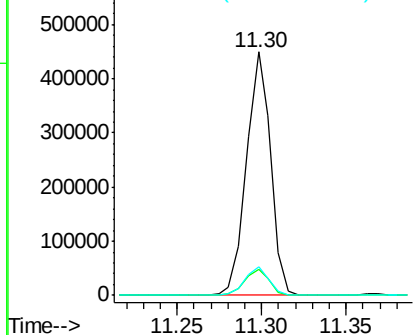
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1600
Delta R.T. -0.02 min
Lab File: BF094345.D
Acq: 11 Apr 2017 8:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 450004
Ion Ratio Lower Upper
188 100
94 10.6 9.4 14.2
80 12.0 10.2 15.2

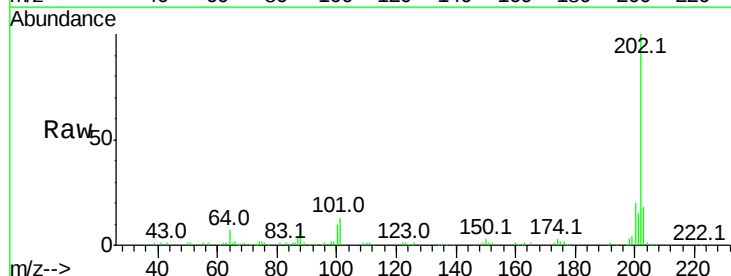


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

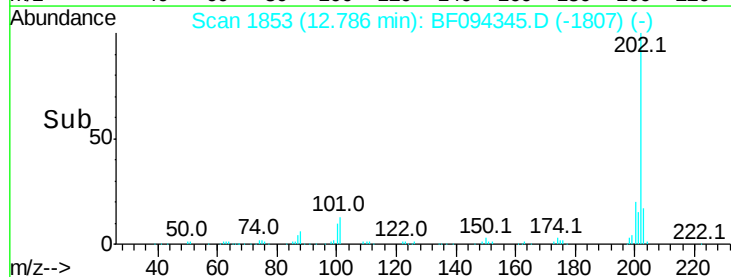
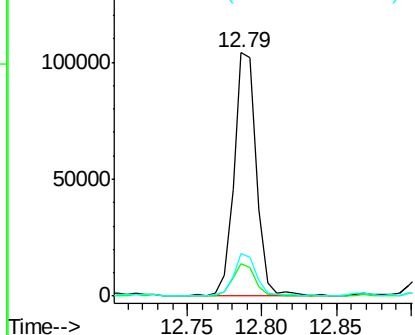


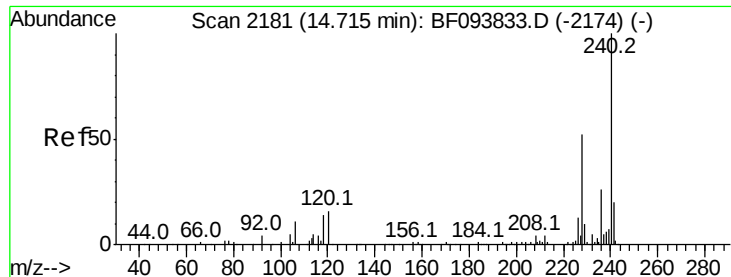
#74
Fluoranthene
Concen: 4.29 ng
RT: 12.79 min Scan# 1853
Delta R.T. -0.03 min
Lab File: BF094345.D
Acq: 11 Apr 2017 8:16

Tgt Ion:202 Resp: 109858
Ion Ratio Lower Upper
202 100
101 13.3 0.0 33.2
203 17.6 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: 14.55 min Scan# 2153

Delta R.T. -0.02 min

Lab File: BF094345.D

Acq: 11 Apr 2017 8:16

Instrument :

BNA_F

ClientSampleId :

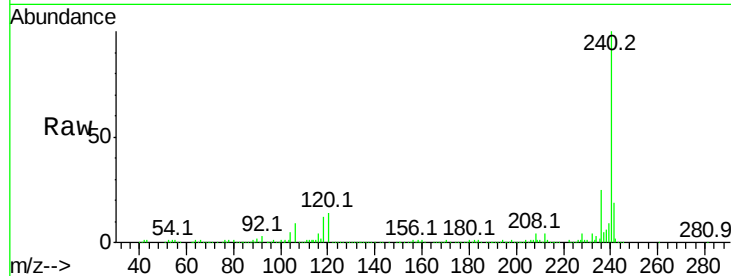
Tot Ion:240 Resp: 323518

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

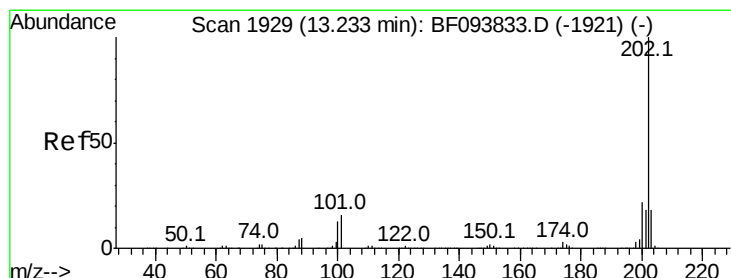
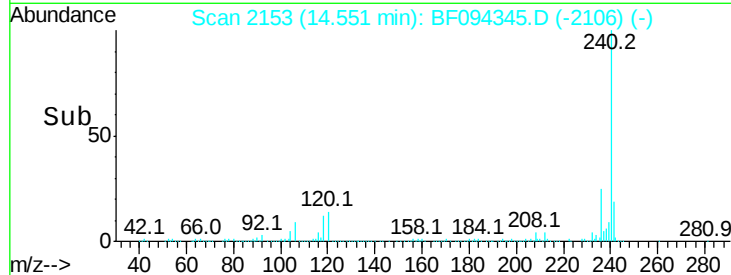
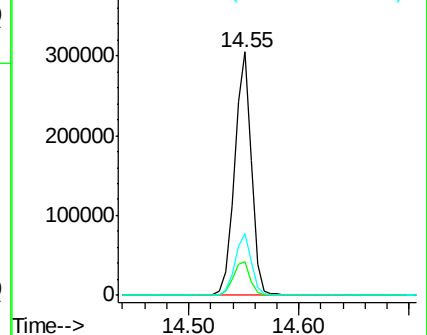
236 25.3 20.5 30.7



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: 5.25 ng

RT: 13.06 min Scan# 1900

Delta R.T. -0.03 min

Lab File: BF094345.D

Acq: 11 Apr 2017 8:16

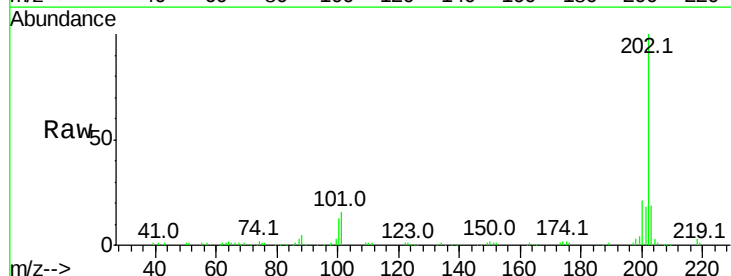
Tgt Ion:202 Resp: 123202

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

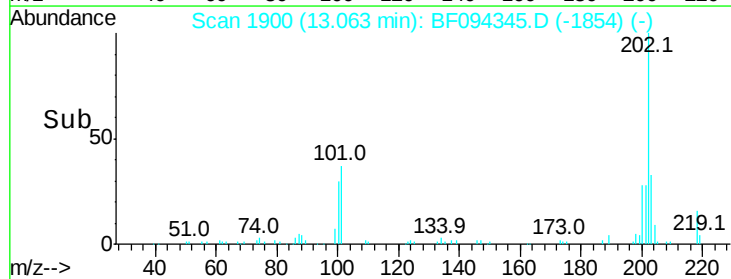
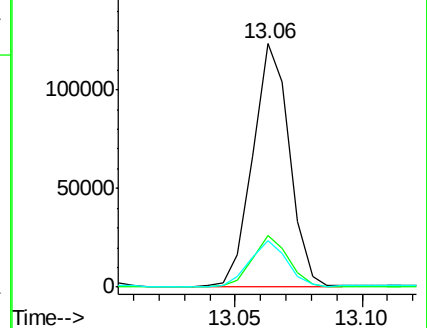
203 19.2 14.4 21.6

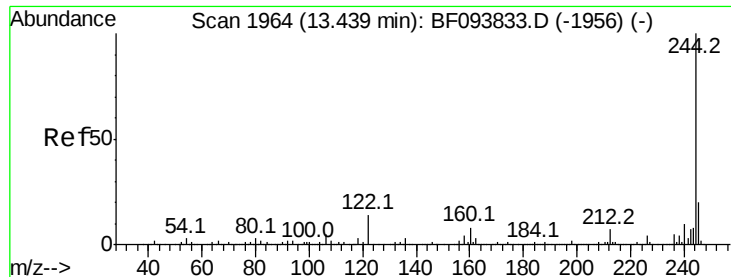


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 71.17 ng

RT: 13.28 min Scan# 1937

Delta R.T. -0.02 min

Lab File: BF094345.D

Acq: 11 Apr 2017 8:16

Instrument :

BNA_F

ClientSampleId :

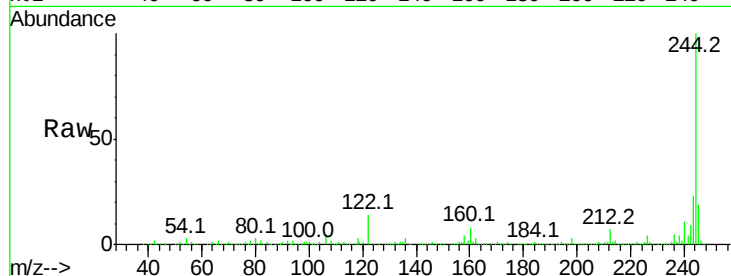
Tot Ion:244 Resp: 1027193

Ion Ratio Lower Upper

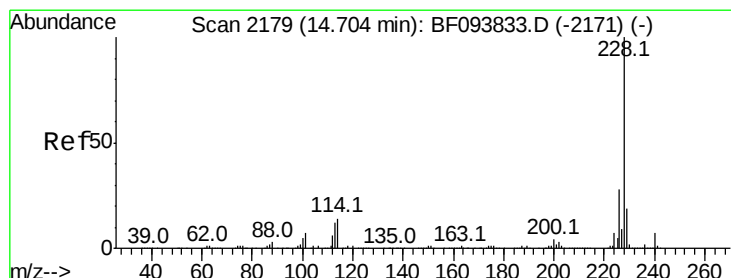
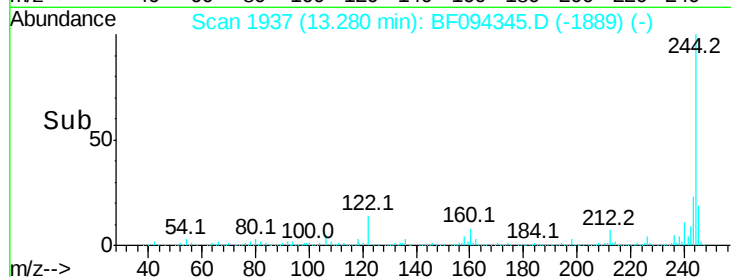
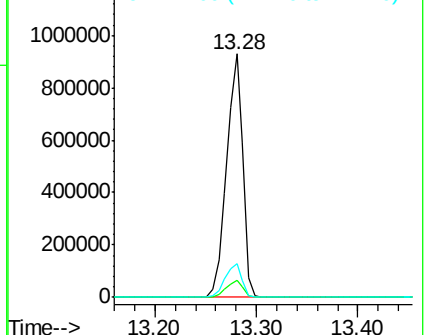
244 100

212 7.1 6.0 9.0

122 14.1 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: 3.47 ng

RT: 14.54 min Scan# 2151

Delta R.T. -0.02 min

Lab File: BF094345.D

Acq: 11 Apr 2017 8:16

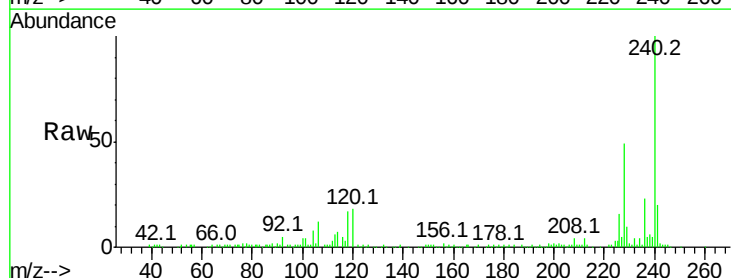
Tgt Ion:228 Resp: 65536

Ion Ratio Lower Upper

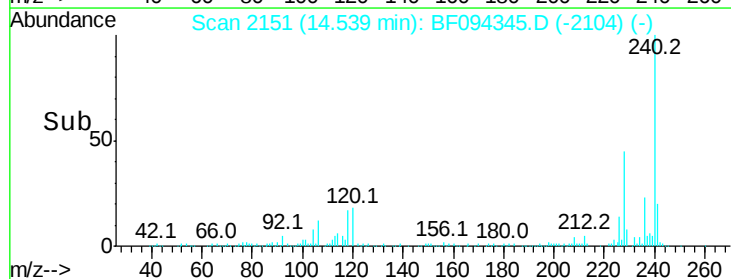
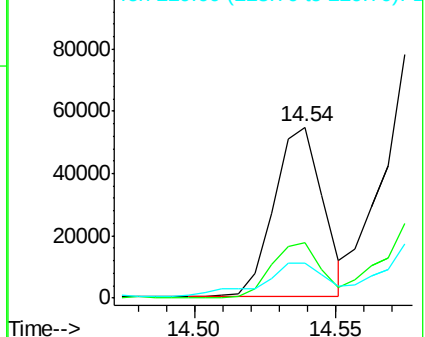
228 100

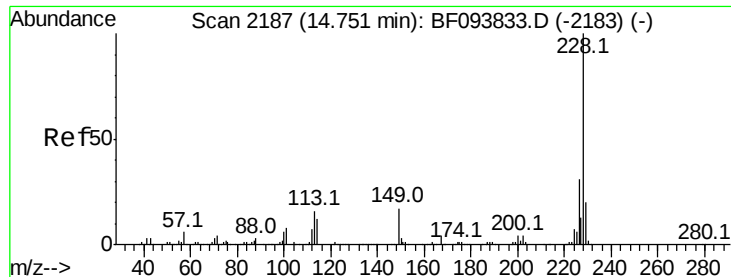
226 32.6 22.6 33.8

229 20.6 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: 6.81 ng

RT: 14.58 min Scan# 2158

Delta R.T. -0.03 min

Lab File: BF094345.D

Acq: 11 Apr 2017 8:16

Instrument :

BNA_F

ClientSampleId :

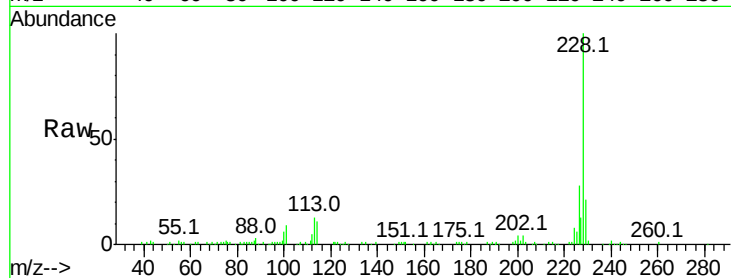
Tot Ion:228 Resp: 119194

Ion Ratio Lower Upper

228 100

226 27.9 24.9 37.3

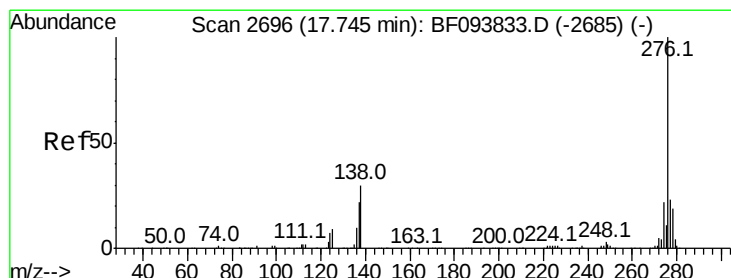
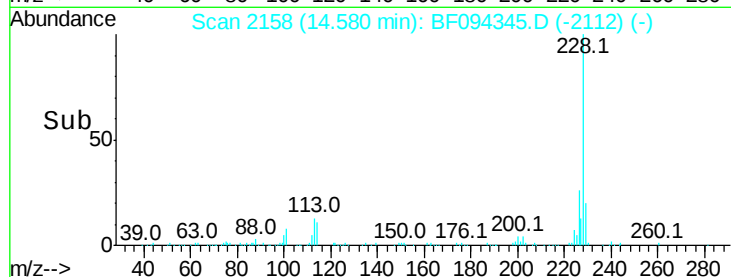
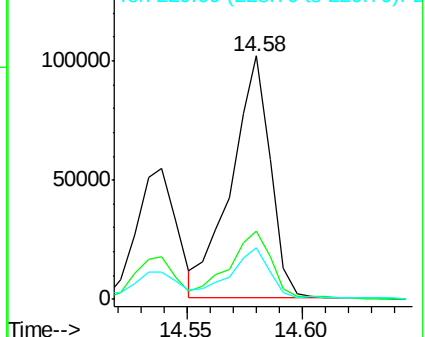
229 21.1 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.02 ng

RT: 17.49 min Scan# 2652

Delta R.T. -0.04 min

Lab File: BF094345.D

Acq: 11 Apr 2017 8:16

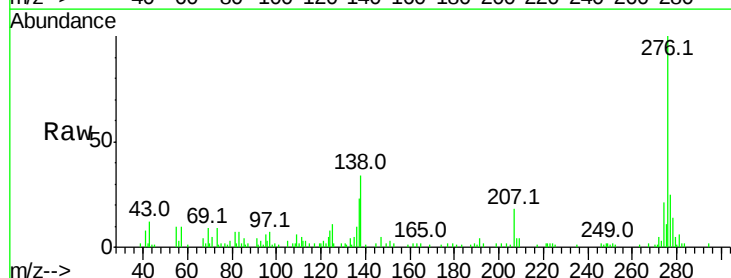
Tgt Ion:276 Resp: 45743

Ion Ratio Lower Upper

276 100

138 31.9 27.8 41.6

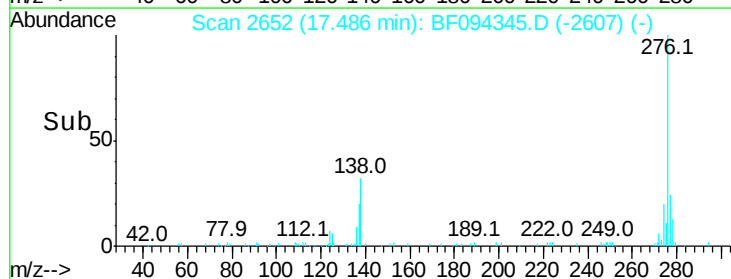
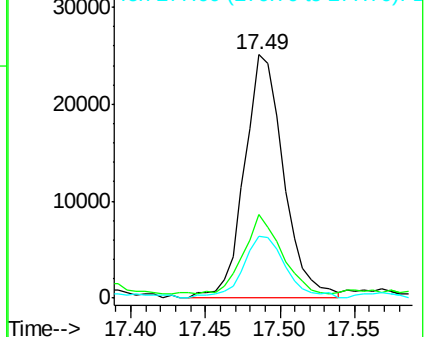
277 27.5 20.2 30.4

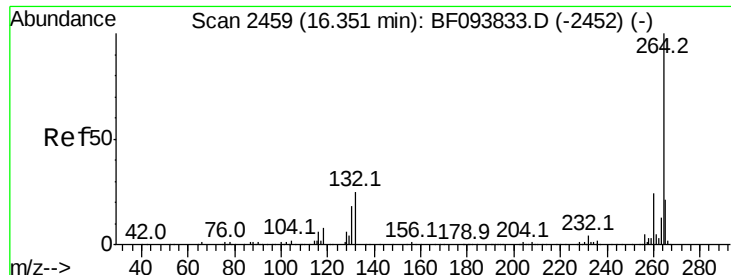


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.18 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BF094345.D

Acq: 11 Apr 2017 8:16

Instrument :

BNA_F

ClientSampleId :

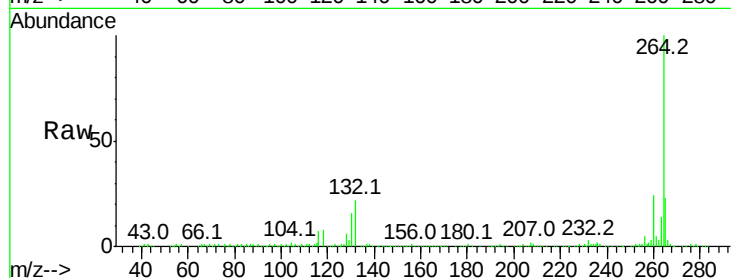
Tot Ion:264 Resp: 271815

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

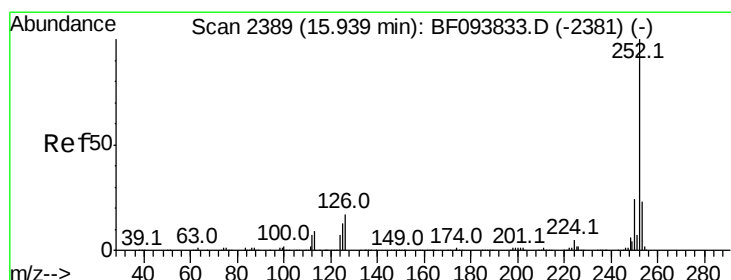
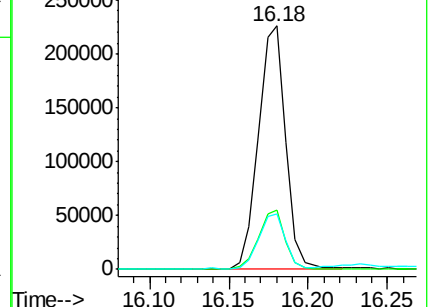
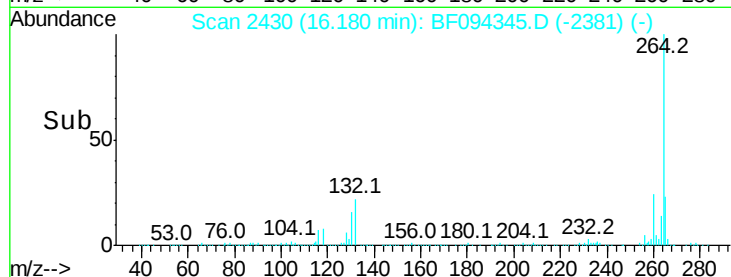
265 22.8 17.2 25.8



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: 11.03 ng

RT: 15.77 min Scan# 2361

Delta R.T. -0.02 min

Lab File: BF094345.D

Acq: 11 Apr 2017 8:16

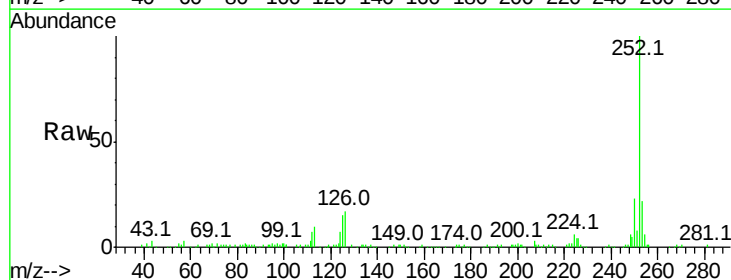
Tgt Ion:252 Resp: 183782

Ion Ratio Lower Upper

252 100

253 21.5 18.1 27.1

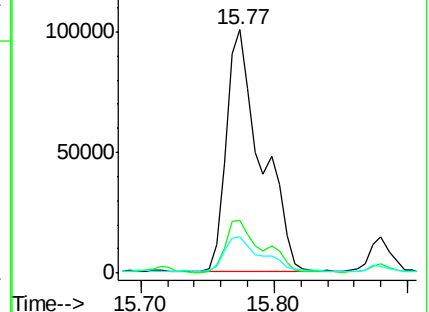
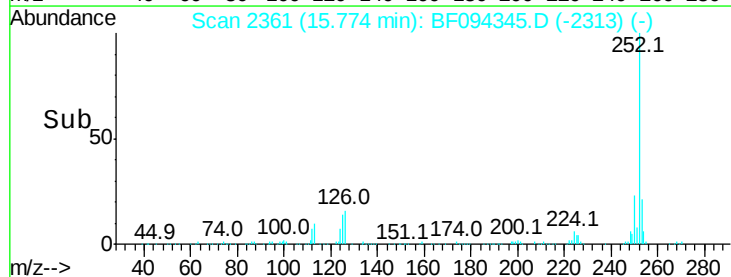
125 15.0 9.8 14.8#

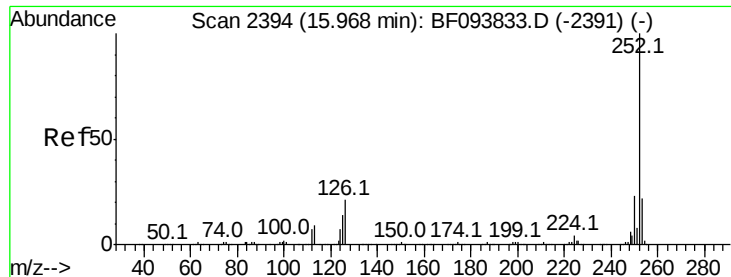


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

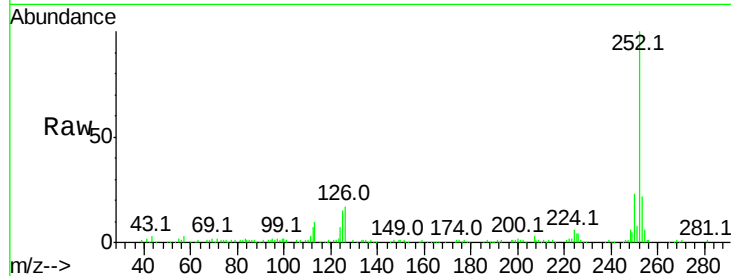




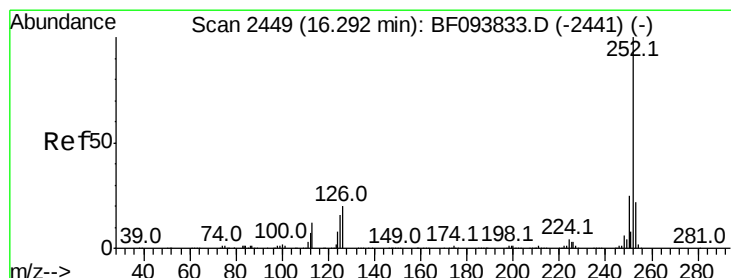
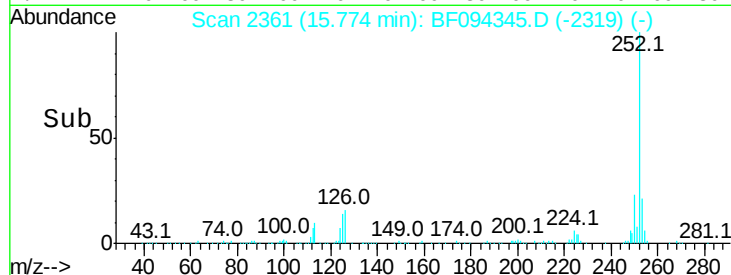
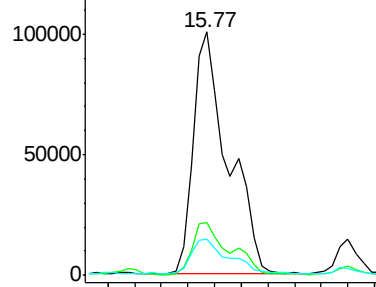
#88
Benzo(k)fluoranthene
Concen: 11.27 ng
RT: 15.77 min Scan# 2361
Delta R.T. -0.05 min
Lab File: BF094345.D
Acq: 11 Apr 2017 8:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 183782
Ion Ratio Lower Upper
252 100
253 21.5 18.4 27.6
125 15.0 13.1 19.7

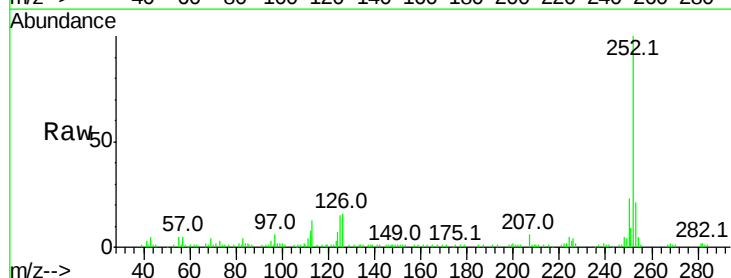


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

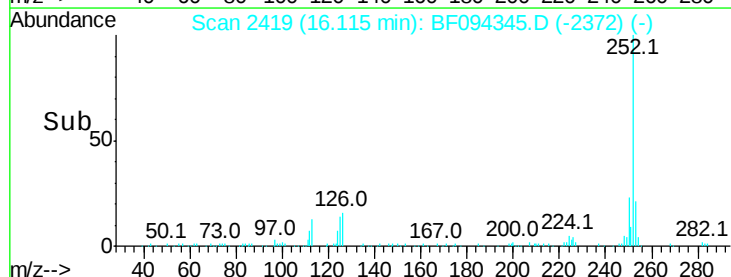
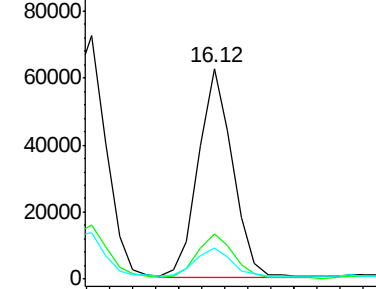


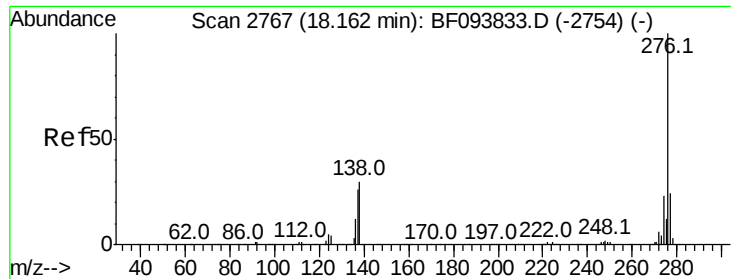
#89
Benzo(a)pyrene
Concen: 4.22 ng
RT: 16.12 min Scan# 2419
Delta R.T. -0.02 min
Lab File: BF094345.D
Acq: 11 Apr 2017 8:16

Tgt Ion:252 Resp: 64814
Ion Ratio Lower Upper
252 100
253 21.4 17.5 26.3
125 14.6 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





#91

Benzo(a,h,i)perylene

Concen: 3.09 ng

RT: 17.87 min Scan# 2718

Delta R.T. -0.04 min

Lab File: BF094345.D

Acq: 11 Apr 2017 8:16

Instrument :

BNA_F

ClientSampleId :

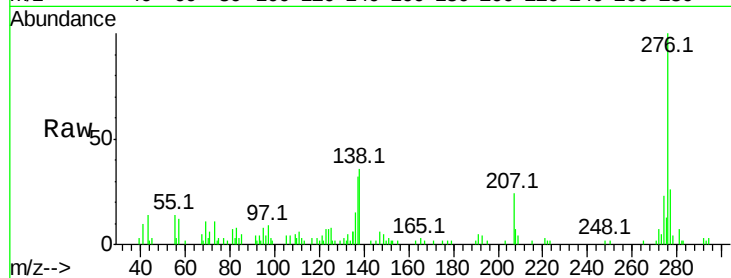
Tot Ion: 276 Resp: 40459

Ion Ratio Lower Upper

276 100

277 25.6 18.6 28.0

138 36.4 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

