

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040417\
 Data File : BF094186.D
 Acq On : 5 Apr 2017 00:04
 Operator : SJ/MA
 Sample : I2495-08 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP04-COMP

Quant Time: Apr 05 01:00:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

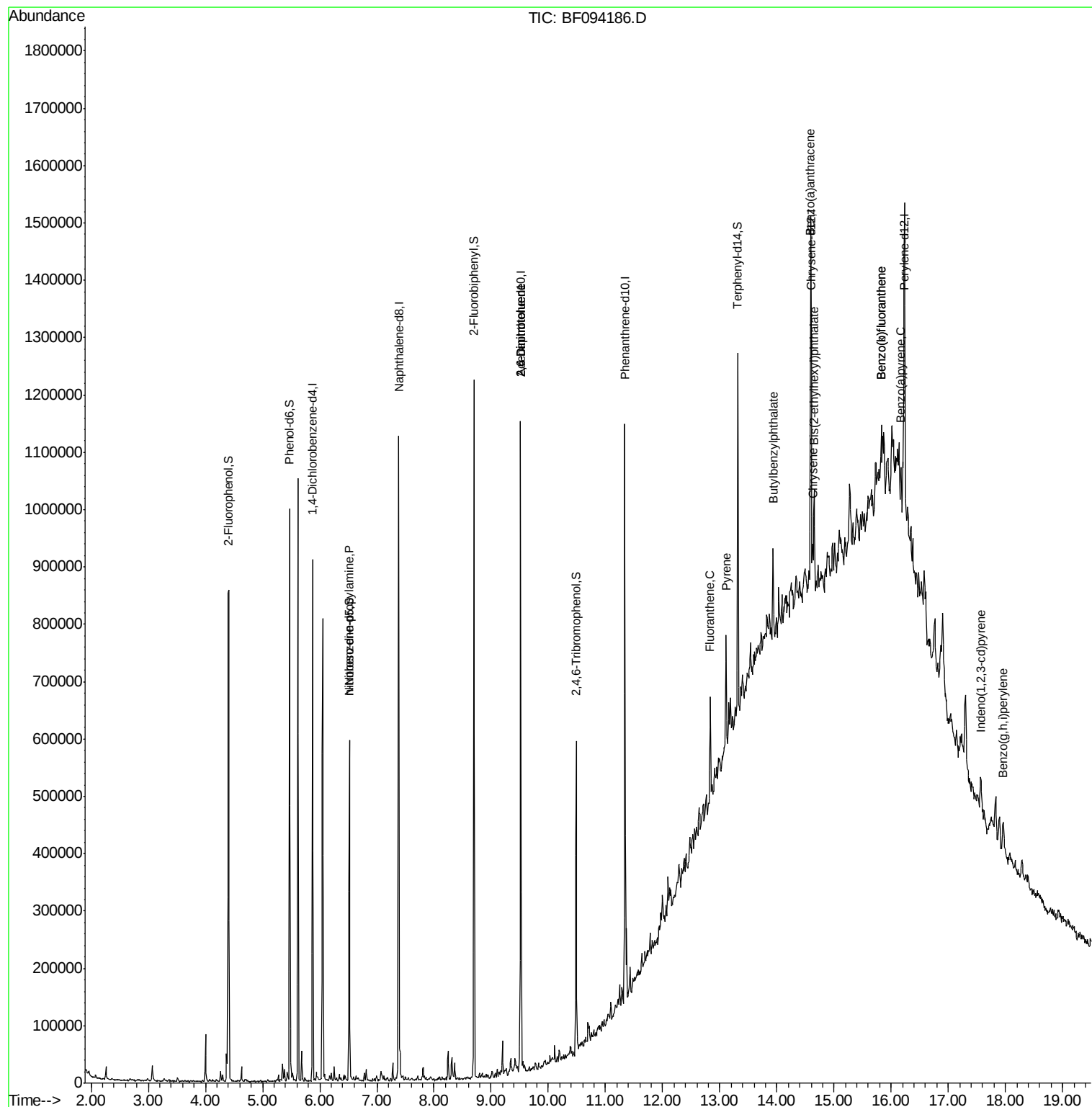
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.87	152	144308	20.00	ng	-0.03
21) Naphthalene-d8	7.38	136	576714	20.00	ng	-0.03
38) Acenaphthene-d10	9.52	164	250108	20.00	ng	-0.04
63) Phenanthrene-d10	11.34	188	415003	20.00	ng	-0.04
75) Chrysene-d12	14.60	240	259223	20.00	ng	-0.03
86) Perylene-d12	16.23	264	233322	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.40	112	259530	30.38	ng	-0.03
7) Phenol-d6	5.47	99	324309	30.68	ng	-0.04
23) Nitrobenzene-d5	6.52	82	191750	18.97	ng	-0.04
41) 2,4,6-Tribromophenol	10.49	330	57508	29.10	ng	-0.04
44) 2-Fluorobiphenyl	8.70	172	372449	22.71	ng	-0.04
78) Terphenyl-d14	13.32	244	231111	19.98	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.52	70	25499	3.75	ng	# 79
50) 2,6-Dinitrotoluene	9.52	165	32062	7.87	ng	# 33
56) 2,4-Dinitrotoluene	9.52	165	32062	6.26	ng	# 33
74) Fluoranthene	12.83	202	77922	3.30	ng	# 97
77) Pyrene	13.11	202	78439	4.17	ng	# 94
79) Butylbenzylphthalate	13.93	149	45083	5.62	ng	# 80
80) Benzo(a)anthracene	14.59	228	36360	2.41	ng	# 82
82) Chrysene	14.63	228	35378	2.52	ng	# 93
83) Bis(2-ethylhexyl)phthalate	14.65	149	66967	6.12	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.57	276	32511	2.68	ng	# 99
87) Benzo(b)fluoranthene	15.82	252	69685	4.87	ng	# 77
88) Benzo(k)fluoranthene	15.82	252	69685	4.98	ng	# 80
89) Benzo(a)pyrene	16.17	252	39141	2.97	ng	# 65
91) Benzo(a,h,i)perylene	17.96	276	42116	3.75	ng	# 98

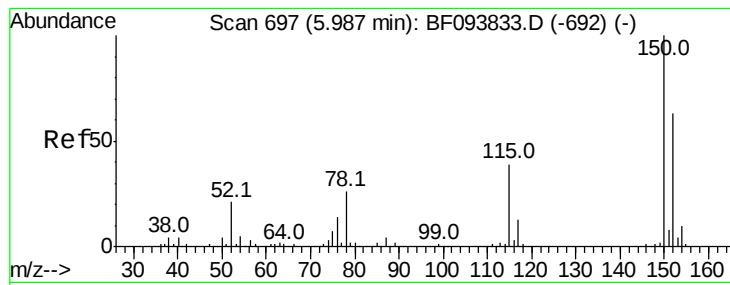
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.87 min Scan# 678

Delta R.T. -0.03 min

Lab File: BF094186.D

Acq: 5 Apr 2017 00:04

Instrument :

BNA_F

ClientSampleId :

LSS-SP04-COMP

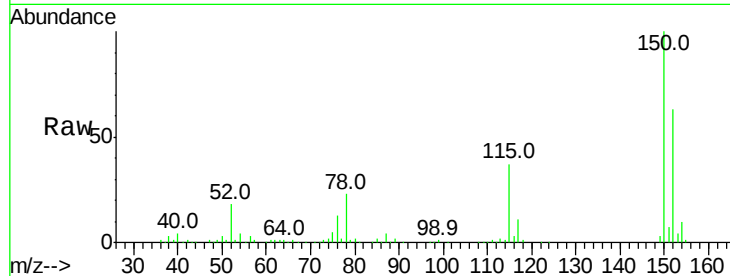
Tot Ion:152 Resp: 144308

Ion Ratio Lower Upper

152 100

150 158.6 126.2 189.2

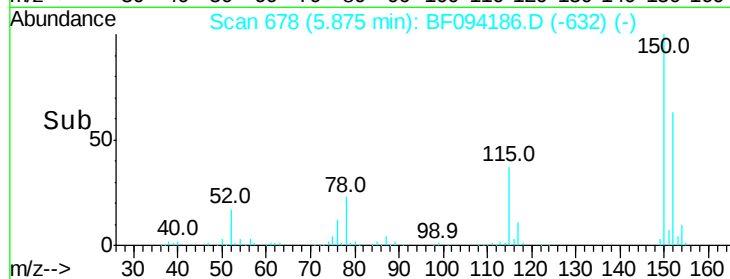
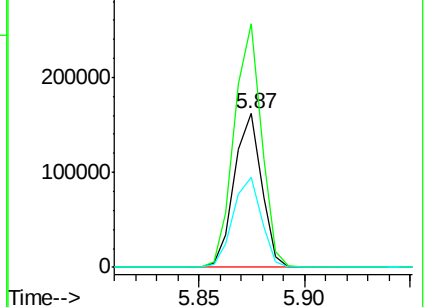
115 58.9 52.2 78.2



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: 30.38 ng

RT: 4.40 min Scan# 428

Delta R.T. -0.03 min

Lab File: BF094186.D

Acq: 5 Apr 2017 00:04

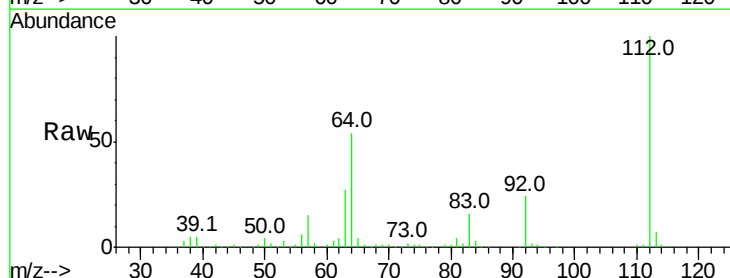
Tgt Ion:112 Resp: 259530

Ion Ratio Lower Upper

112 100

64 53.8 46.0 69.0

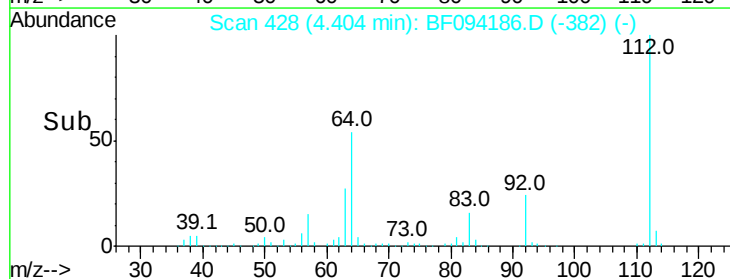
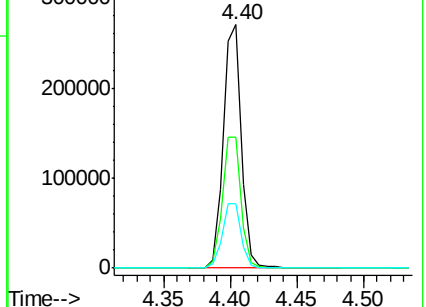
63 26.6 23.4 35.0

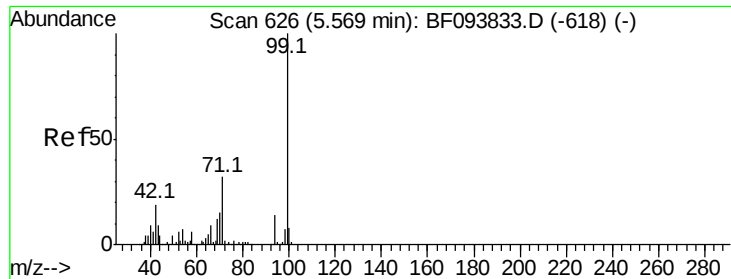


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 30.68 ng

RT: 5.47 min Scan# 610

Delta R.T. -0.04 min

Lab File: BF094186.D

Acq: 5 Apr 2017 00:04

Instrument :

BNA_F

ClientSampleId :

LSS-SP04-COMP

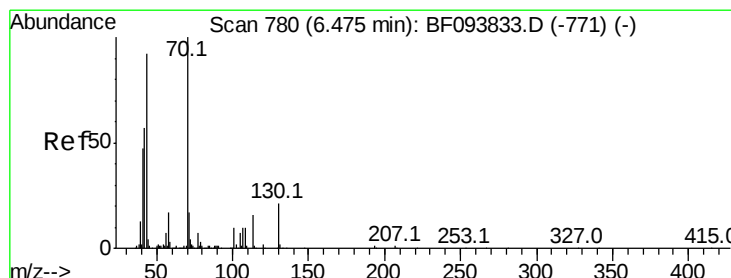
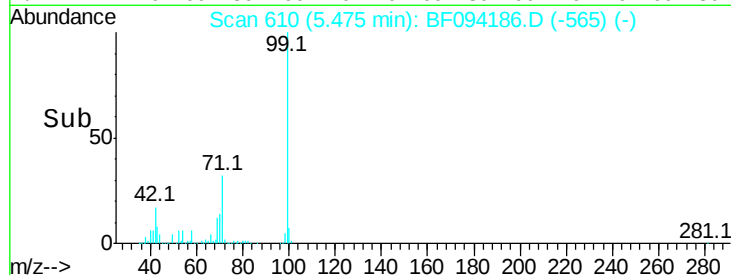
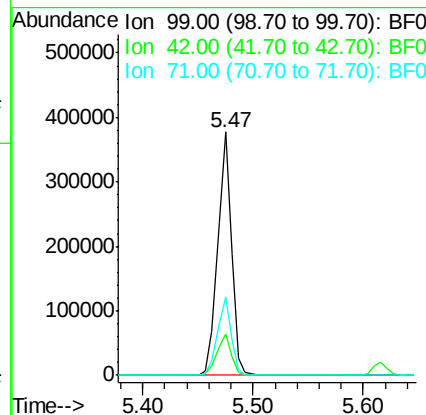
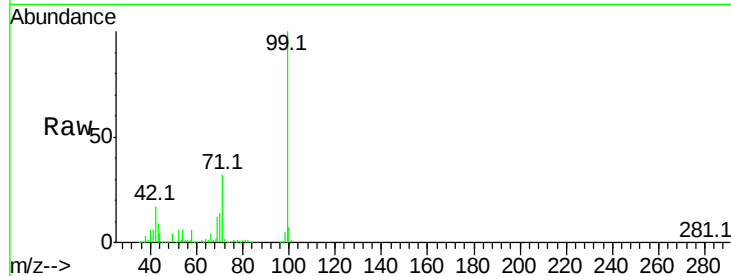
Tot Ion: 99 Resp: 324309

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

71 32.1 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 3.75 ng

RT: 6.52 min Scan# 787

Delta R.T. 0.12 min

Lab File: BF094186.D

Acq: 5 Apr 2017 00:04

Tgt Ion: 70 Resp: 25499

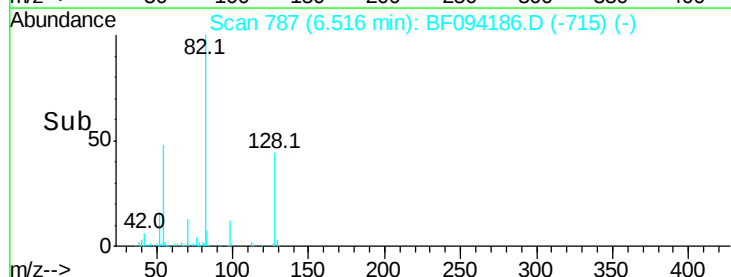
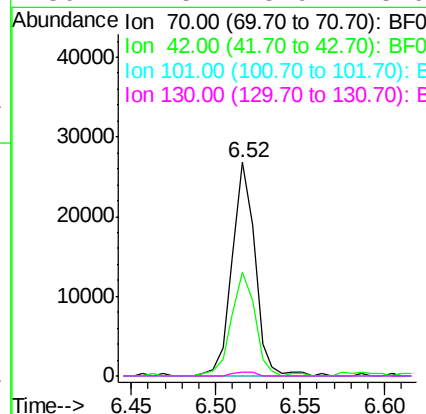
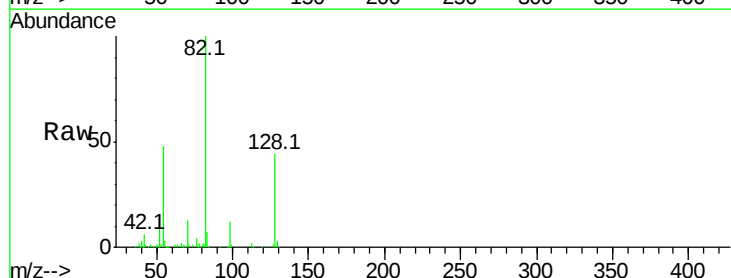
Ion Ratio Lower Upper

70 100

42 48.8 47.2 70.8

101 0.0 7.2 10.8#

130 1.5 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.38 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF094186.D

Acq: 5 Apr 2017 00:04

Instrument :

BNA_F

ClientSampleId :

LSS-SP04-COMP

Tot Ion:136 Resp: 576714

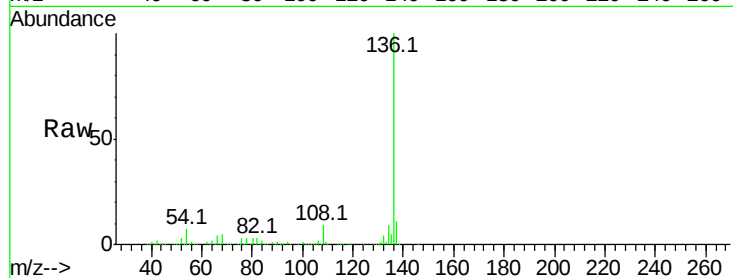
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.7 4.9 7.3

68 5.4 4.1 6.1

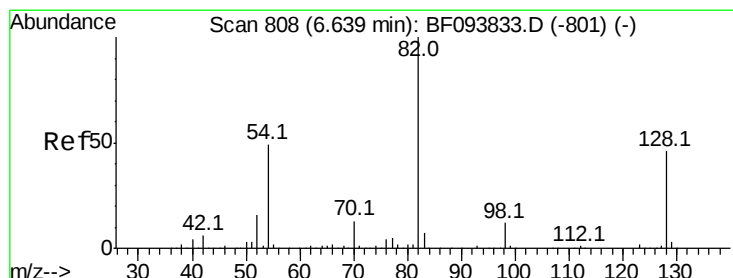
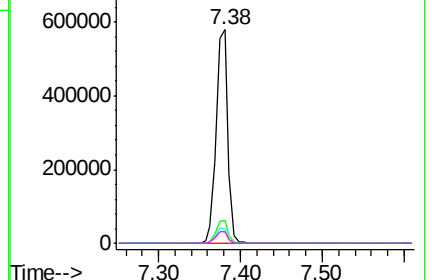
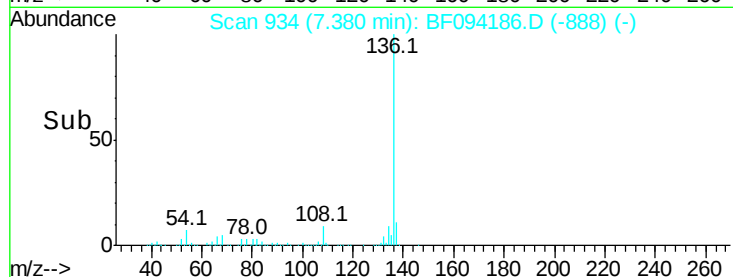


Abundance Ion 136.00 (135.70 to 136.70): E

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: 18.97 ng

RT: 6.52 min Scan# 787

Delta R.T. -0.04 min

Lab File: BF094186.D

Acq: 5 Apr 2017 00:04

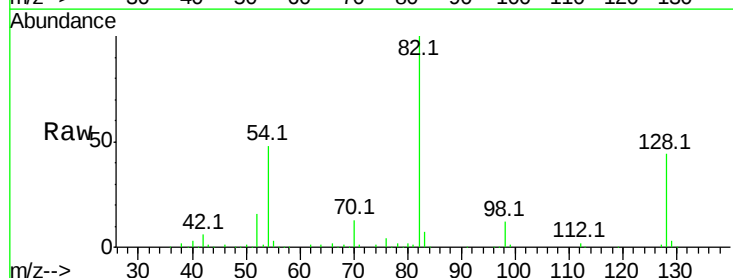
Tgt Ion: 82 Resp: 191750

Ion Ratio Lower Upper

82 100

128 44.5 34.0 51.0

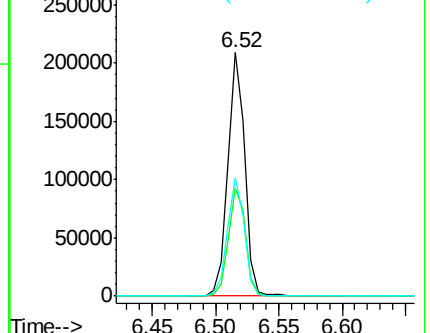
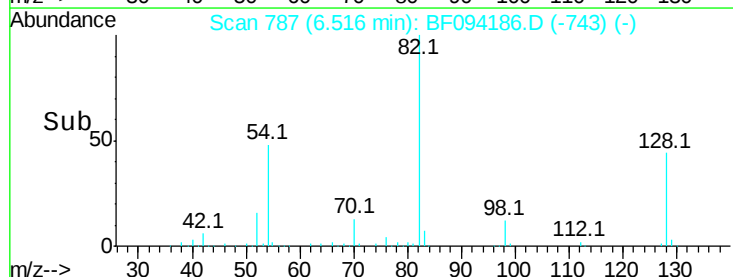
54 48.3 42.2 63.2

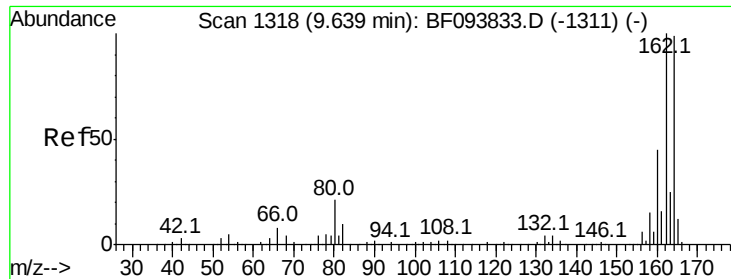


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

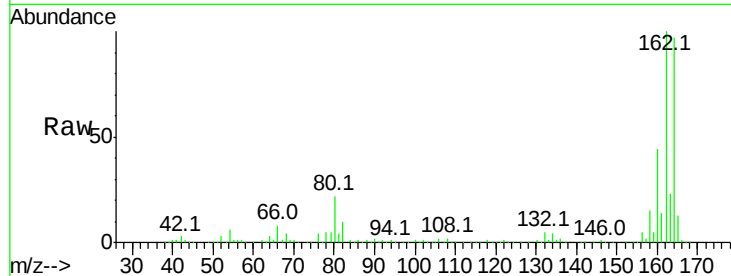




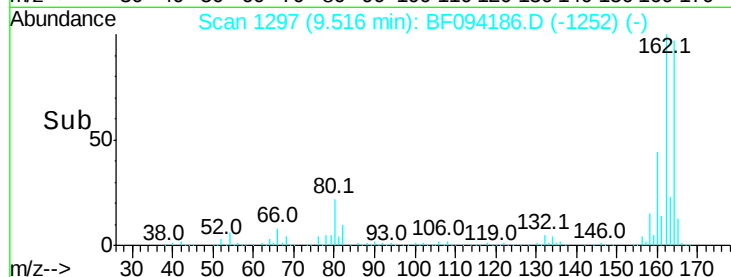
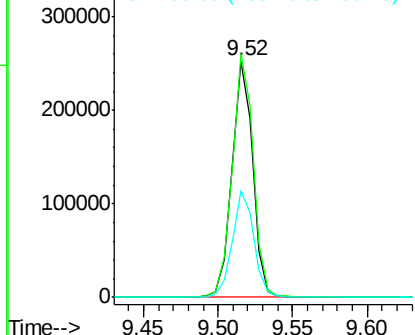
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.52 min Scan# 1297
 Delta R.T. -0.04 min
 Lab File: BF094186.D
 Acq: 5 Apr 2017 00:04

Instrument :
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 LSS-SP04-COMP

Tot Ion:164 Resp: 250108
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.6 123.8
 160 45.2 36.2 54.2

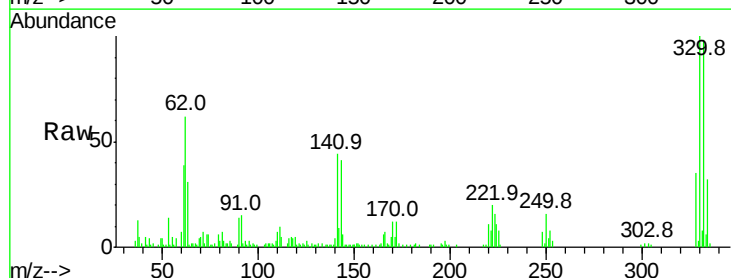


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

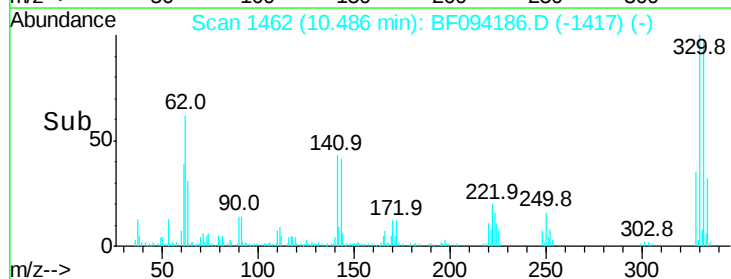
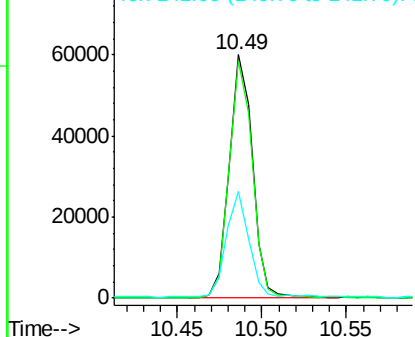


#41
 2,4,6-Tribromophenol
 Concen: 29.10 ng
 RT: 10.49 min Scan# 1462
 Delta R.T. -0.04 min
 Lab File: BF094186.D
 Acq: 5 Apr 2017 00:04

Tgt Ion:330 Resp: 57508
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.6 115.0
 141 45.8 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

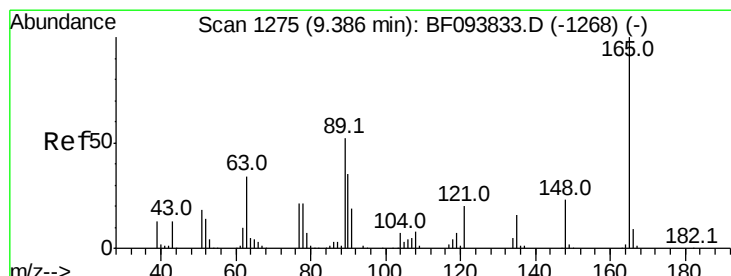
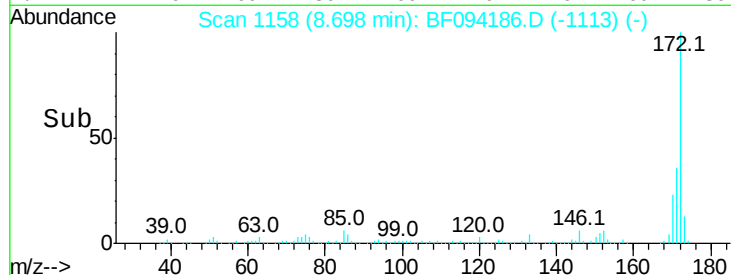
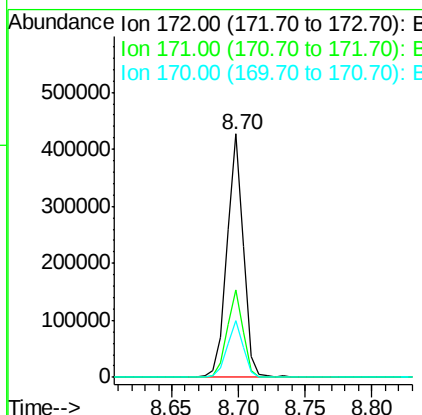
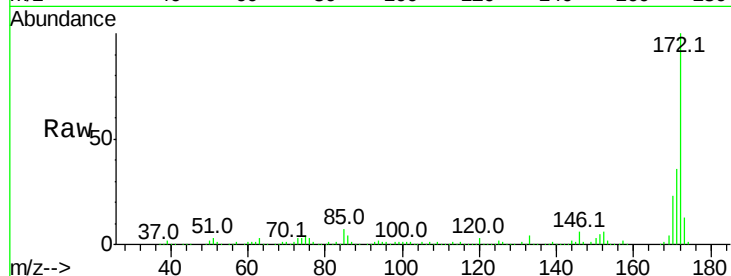




#44
 2-Fluorobiphenyl
 Concen: 22.71 ng
 RT: 8.70 min Scan# 1158
 Delta R.T. -0.04 min
 Lab File: BF094186.D
 Acq: 5 Apr 2017 00:04

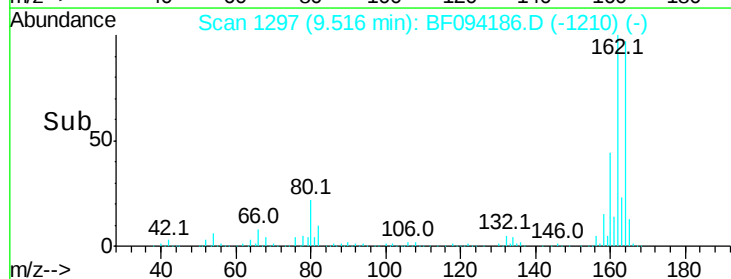
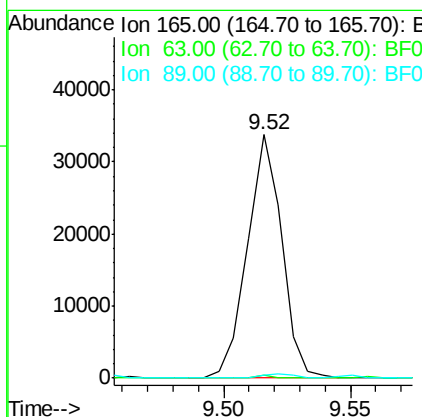
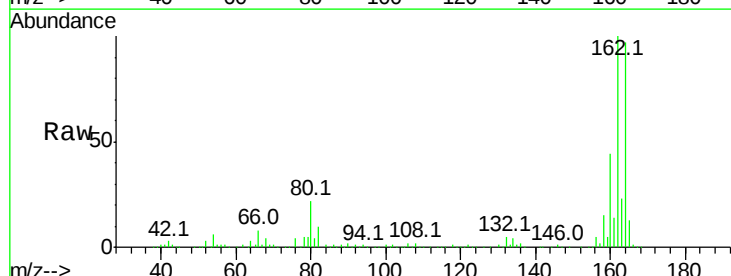
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP04-COMP

Tot Ion:172 Resp: 372449
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 23.5 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.87 ng
 RT: 9.52 min Scan# 1297
 Delta R.T. 0.21 min
 Lab File: BF094186.D
 Acq: 5 Apr 2017 00:04

Tgt Ion:165 Resp: 32062
 Ion Ratio Lower Upper
 165 100
 63 1.2 34.3 51.5#
 89 1.5 37.1 55.7#

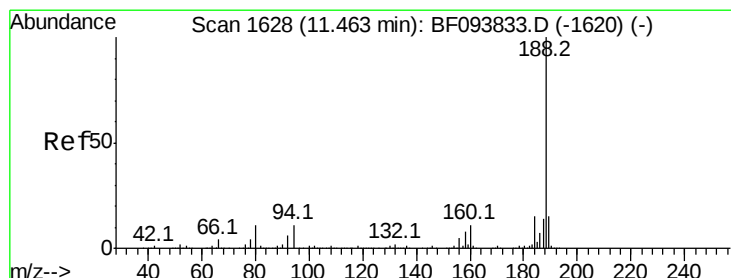
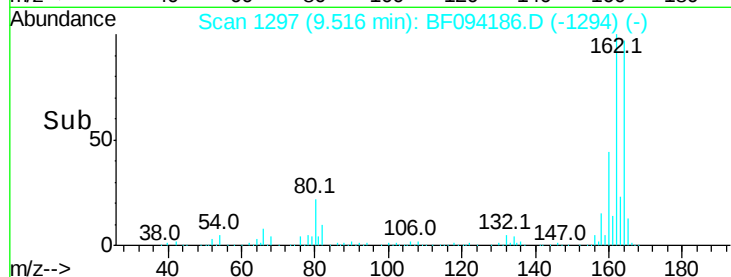
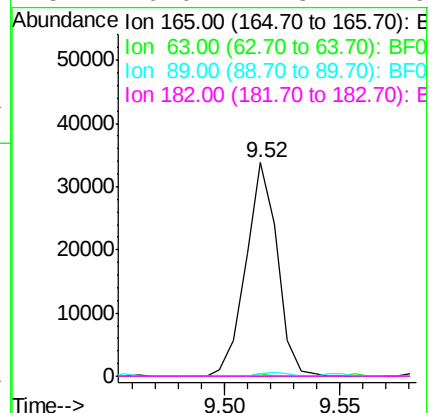
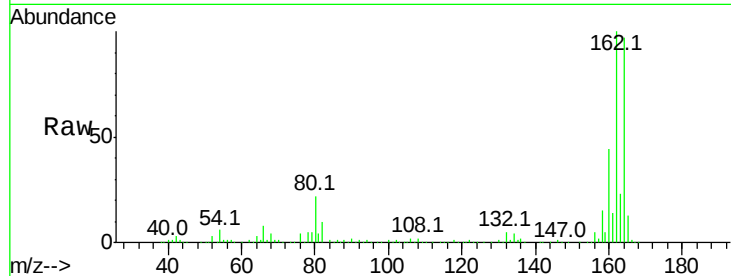




#56
 2,4-Dinitrotoluene
 Concen: 6.26 ng
 RT: 9.52 min Scan# 1297
 Delta R.T. -0.28 min
 Lab File: BF094186.D
 Acq: 5 Apr 2017 00:04

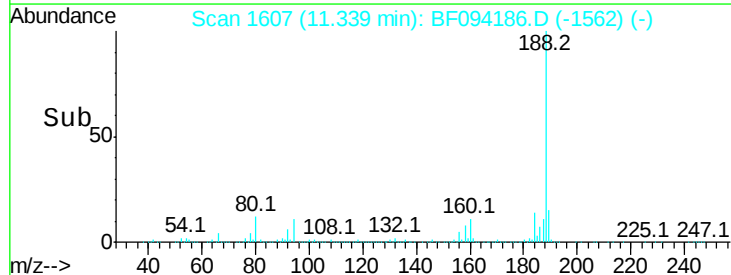
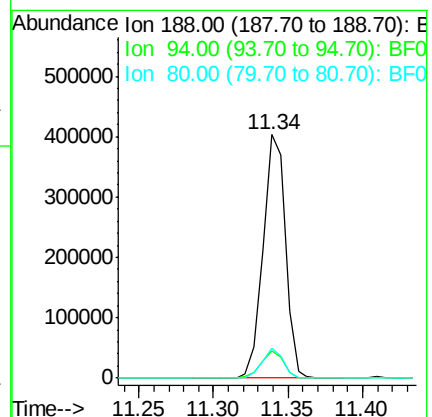
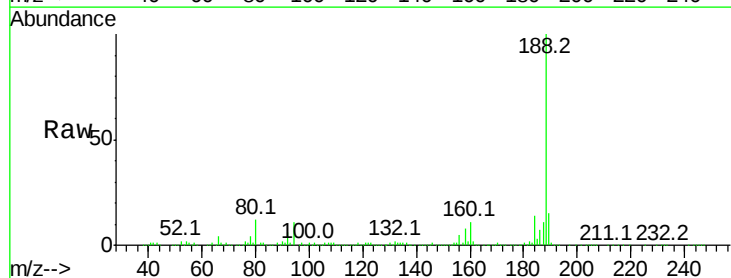
Instrument :
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 ClientSampleId :
 LSS-SP04-COMP

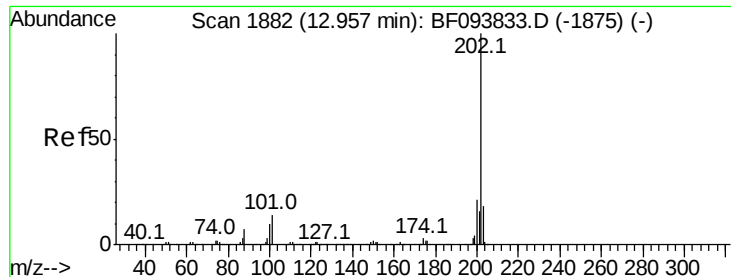
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 1607
 Delta R.T. -0.04 min
 Lab File: BF094186.D
 Acq: 5 Apr 2017 00:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.4	14.2
80	12.4	10.2	15.2





#74

Fluoranthene

Concen: 3.30 ng

RT: 12.83 min Scan# 1861

Delta R.T. -0.04 min

Lab File: BF094186.D

Acq: 5 Apr 2017 00:04

Instrument :

BNA_F

ClientSampleId :

LSS-SP04-COMP

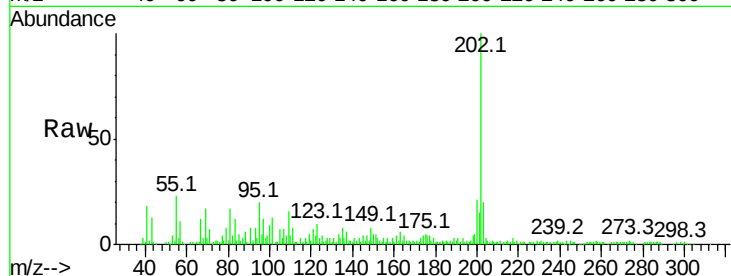
Tot Ion:202 Resp: 77922

Ion Ratio Lower Upper

202 100

101 13.1 0.0 33.2

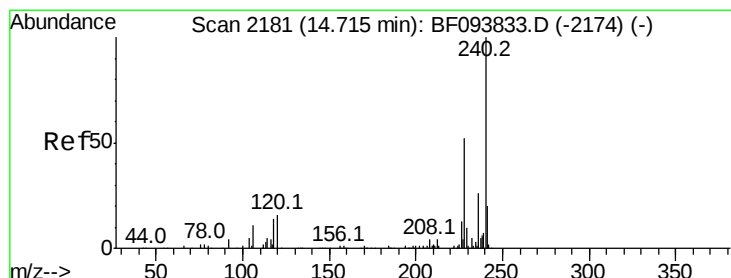
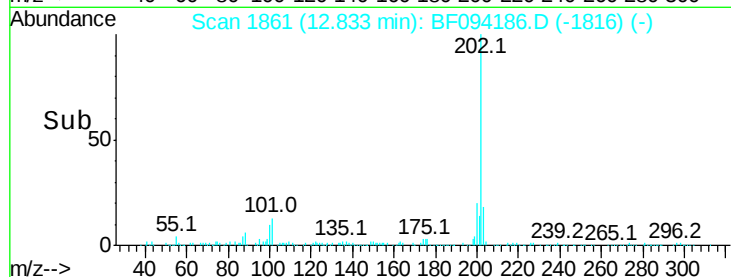
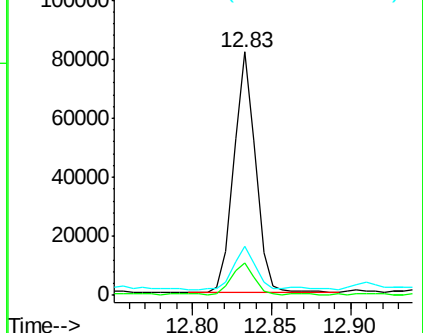
203 20.4 0.0 38.1



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: 14.60 min Scan# 2161

Delta R.T. -0.03 min

Lab File: BF094186.D

Acq: 5 Apr 2017 00:04

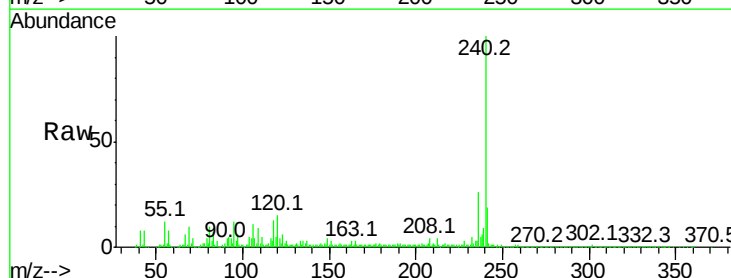
Tgt Ion:240 Resp: 259223

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

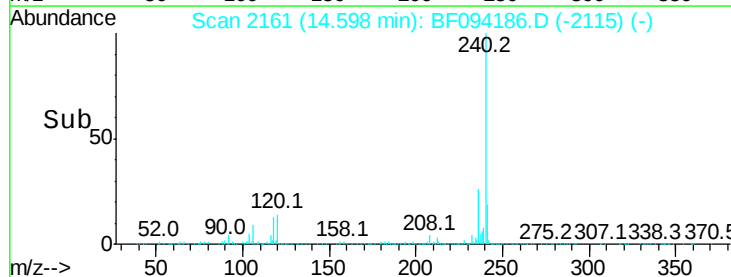
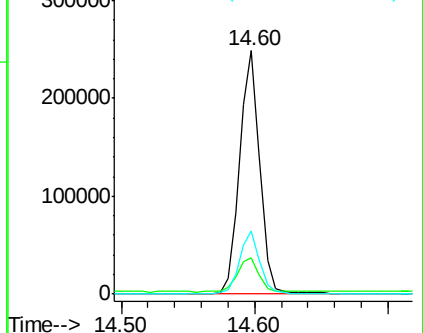
236 25.9 20.5 30.7

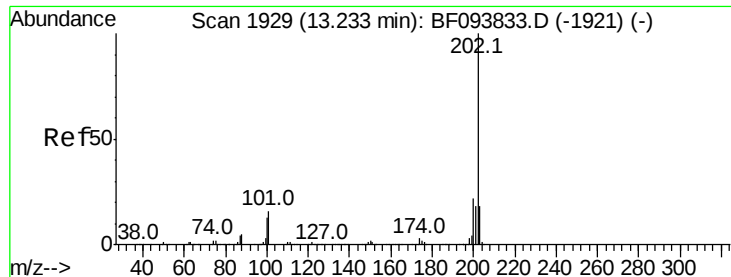


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.17 ng

RT: 13.11 min Scan# 1908

Delta R.T. -0.04 min

Lab File: BF094186.D

Acq: 5 Apr 2017 00:04

Instrument :

BNA_F

ClientSampleId :

LSS-SP04-COMP

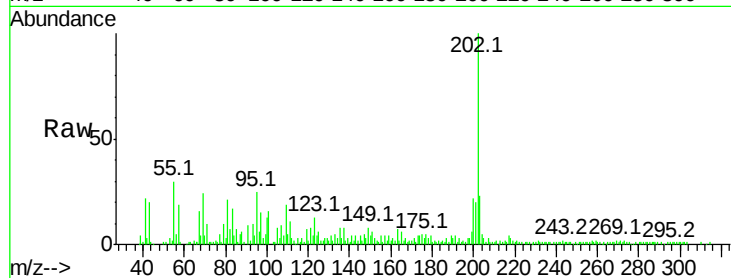
Tot Ion:202 Resp: 78439

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

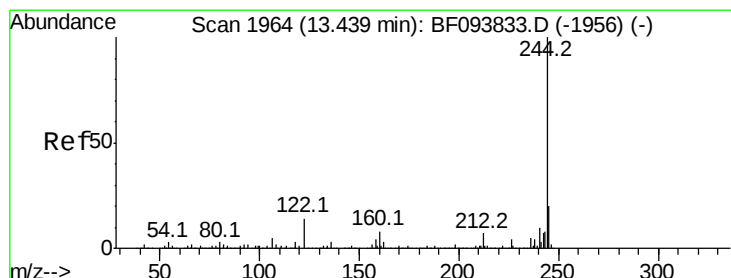
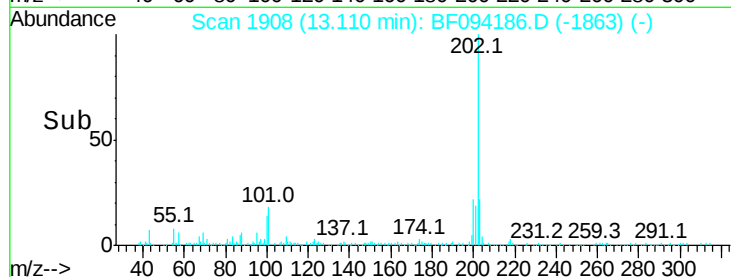
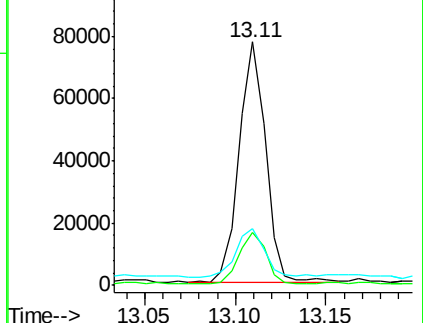
203 23.4 14.4 21.6#



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: 19.98 ng

RT: 13.32 min Scan# 1943

Delta R.T. -0.04 min

Lab File: BF094186.D

Acq: 5 Apr 2017 00:04

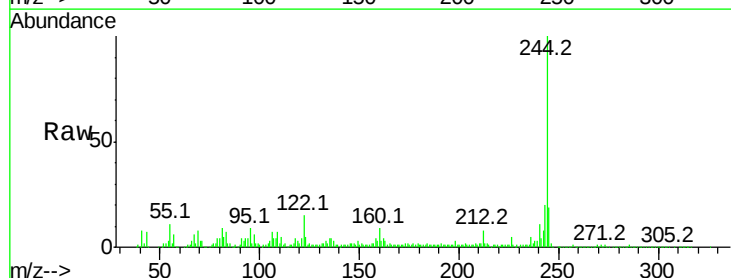
Tgt Ion:244 Resp: 231111

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

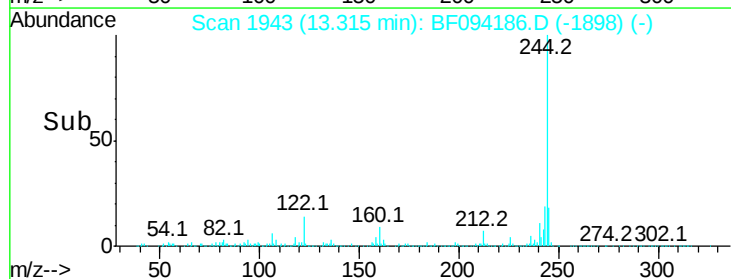
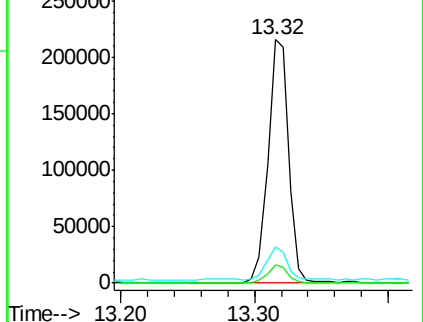
122 14.9 10.3 15.5

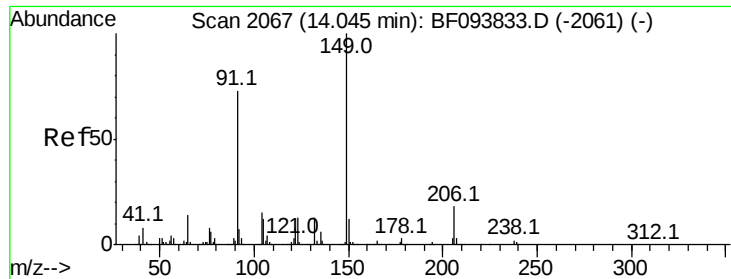


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

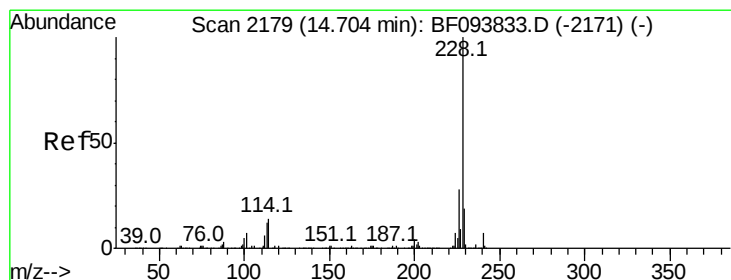
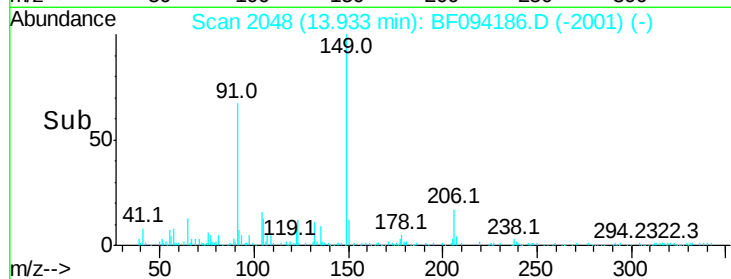
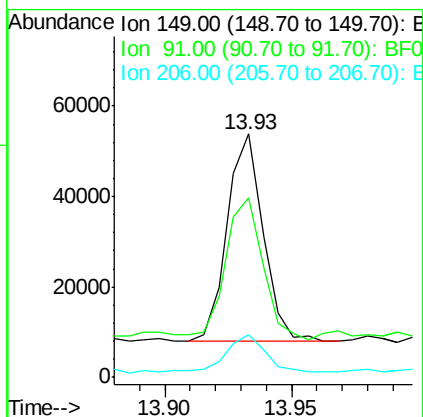
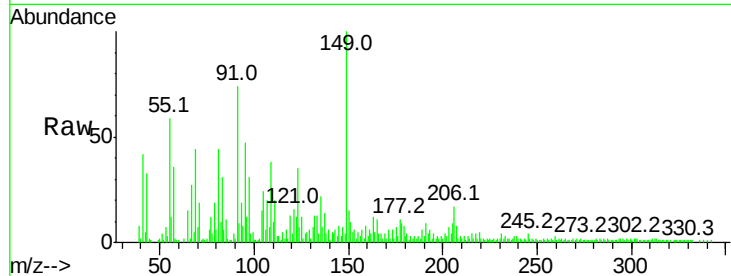




#79
Butylbenzylphthalate
Concen: 5.62 ng
RT: 13.93 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BF094186.D
Acq: 5 Apr 2017 00:04

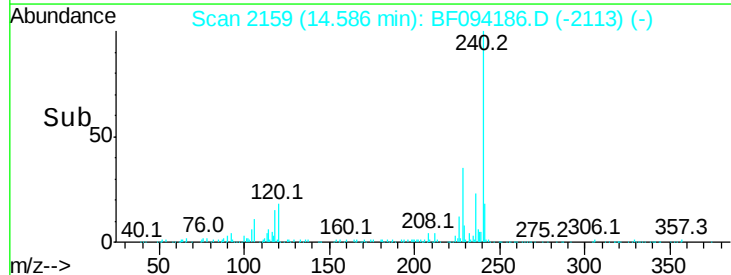
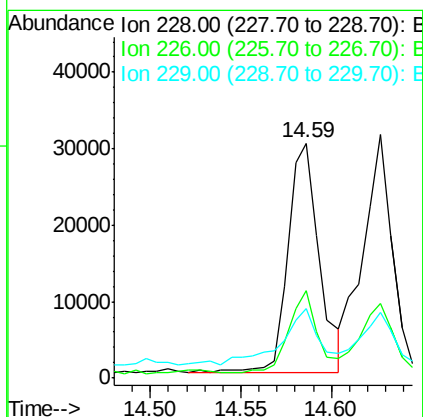
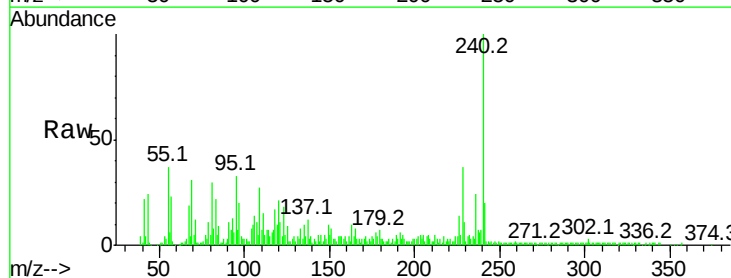
Instrument :
BNA_F
ClientSampleId :
LSS-SP04-COMP

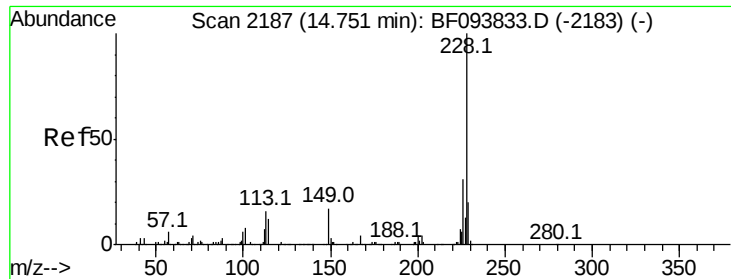
Tot Ion:149 Resp: 45083
Ion Ratio Lower Upper
149 100
91 74.0 45.0 67.4#
206 17.4 17.0 25.6



#80
Benzo(a)anthracene
Concen: 2.41 ng
RT: 14.59 min Scan# 2159
Delta R.T. -0.03 min
Lab File: BF094186.D
Acq: 5 Apr 2017 00:04

Tgt Ion:228 Resp: 36360
Ion Ratio Lower Upper
228 100
226 37.4 22.6 33.8#
229 29.4 16.3 24.5#

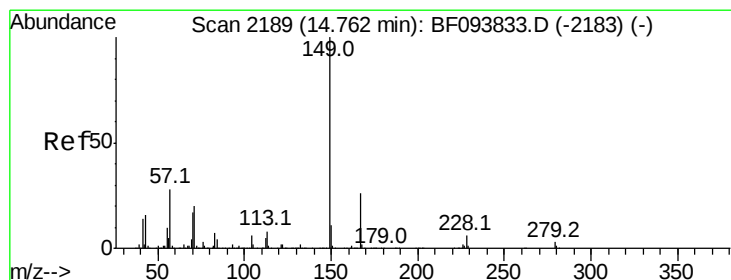
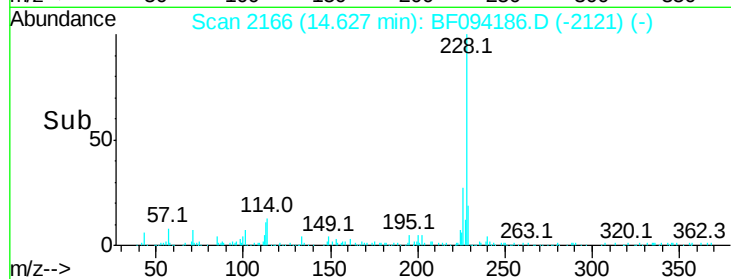
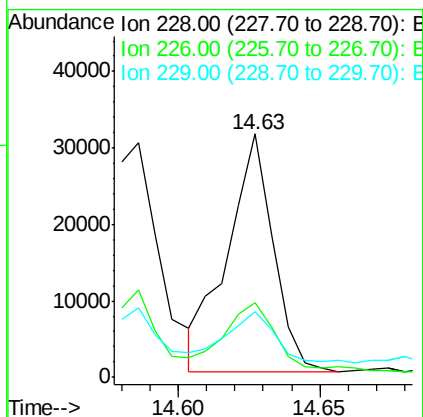
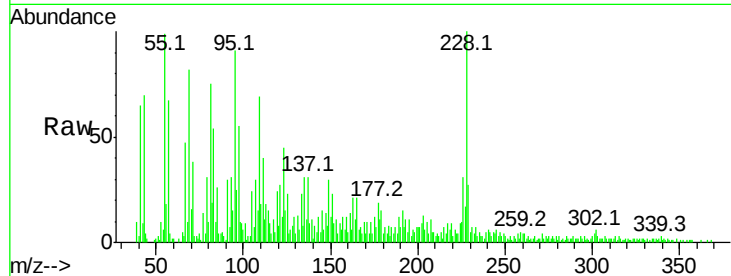




#82
Chrysene
Concen: 2.52 ng
RT: 14.63 min Scan# 2166
Delta R.T. -0.04 min
Lab File: BF094186.D
Acq: 5 Apr 2017 00:04

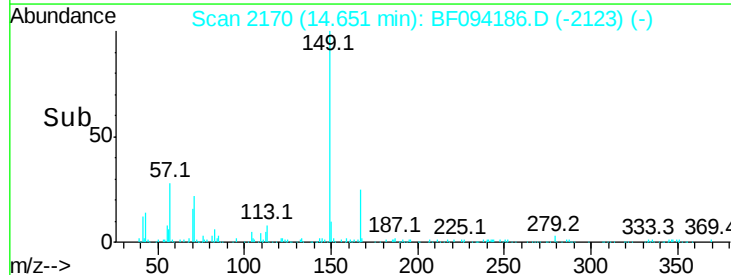
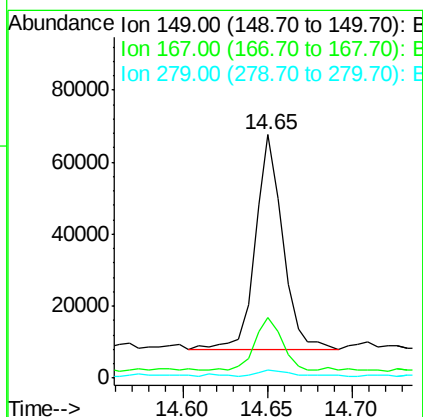
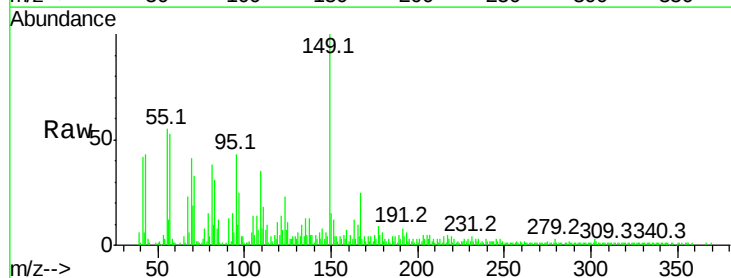
Instrument :
BNA_F
ClientSampleId :
LSS-SP04-COMP

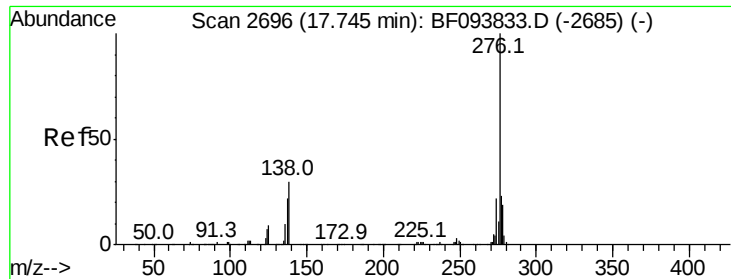
Tot Ion:228 Resp: 35378
Ion Ratio Lower Upper
228 100
226 30.6 24.9 37.3
229 27.2 15.8 23.6#



#83
Bis(2-ethylhexyl)phthalate
Concen: 6.12 ng
RT: 14.65 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BF094186.D
Acq: 5 Apr 2017 00:04

Tgt Ion:149 Resp: 66967
Ion Ratio Lower Upper
149 100
167 25.1 21.0 31.4
279 3.3 1.9 2.9#

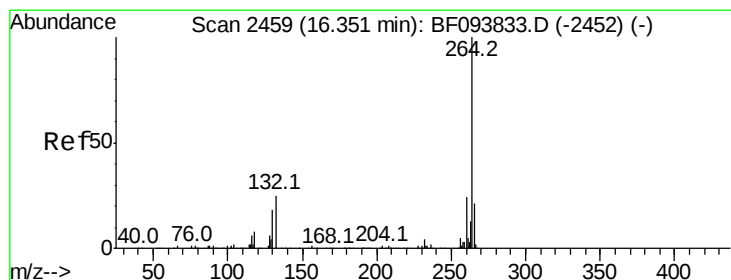
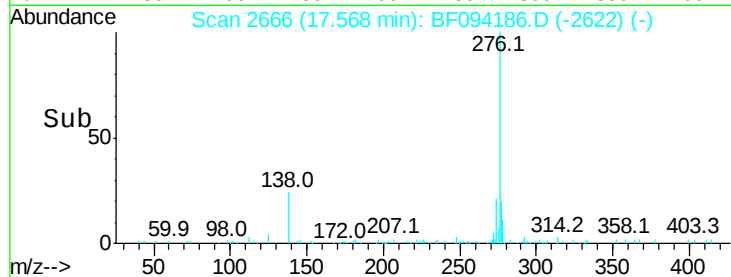
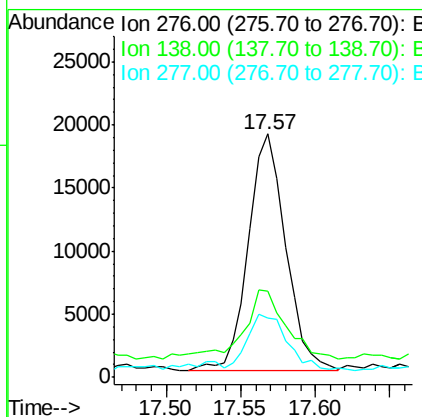
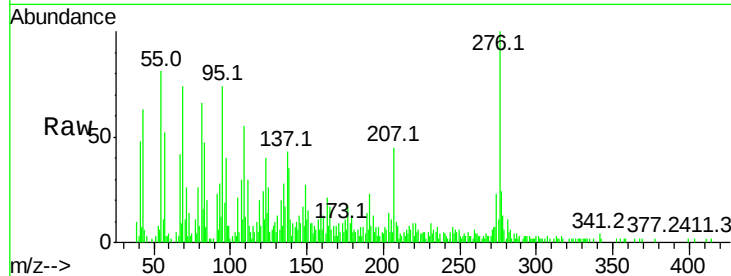




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.68 ng
 RT: 17.57 min Scan# 2666
 Delta R.T. -0.04 min
 Lab File: BF094186.D
 Acq: 5 Apr 2017 00:04

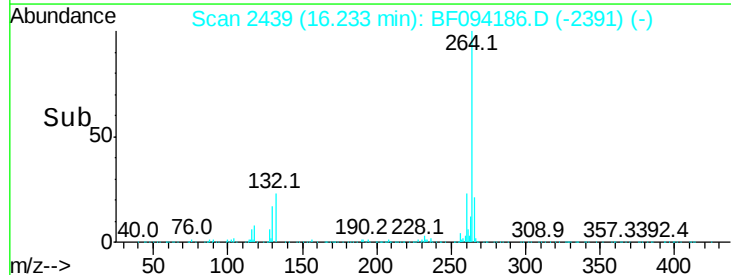
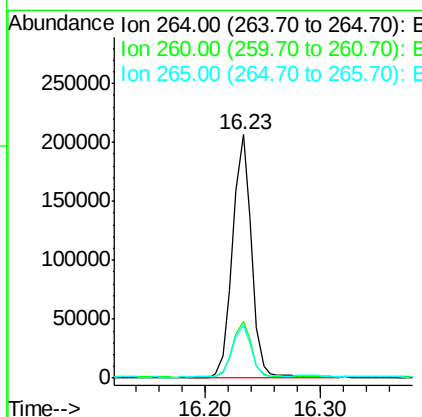
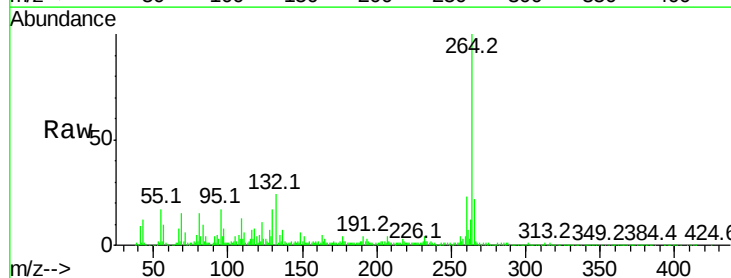
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP04-COMP

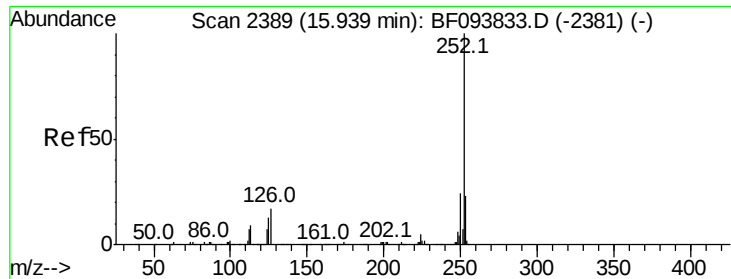
Tot Ion:276 Resp: 32511
 Ion Ratio Lower Upper
 276 100
 138 34.5 27.8 41.6
 277 24.9 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.23 min Scan# 2439
 Delta R.T. -0.02 min
 Lab File: BF094186.D
 Acq: 5 Apr 2017 00:04

Tgt Ion:264 Resp: 233322
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.5 29.3
 265 21.7 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 4.87 ng

RT: 15.82 min Scan# 2369

Delta R.T. -0.03 min

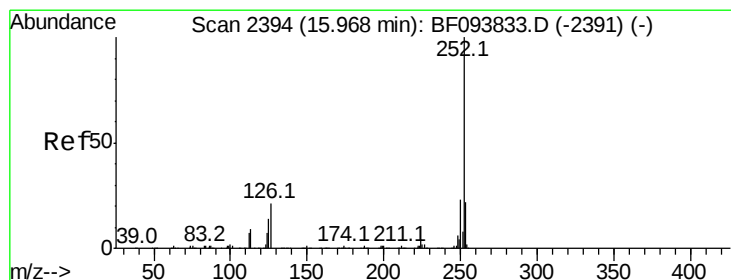
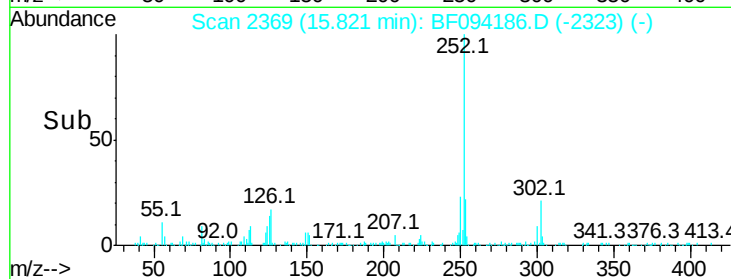
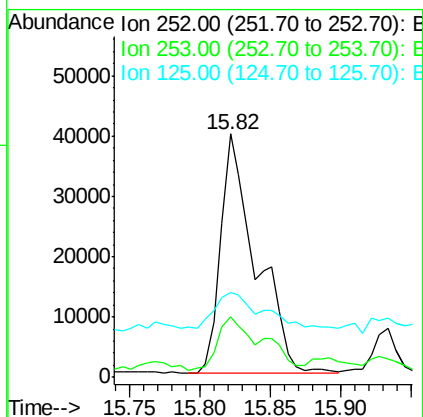
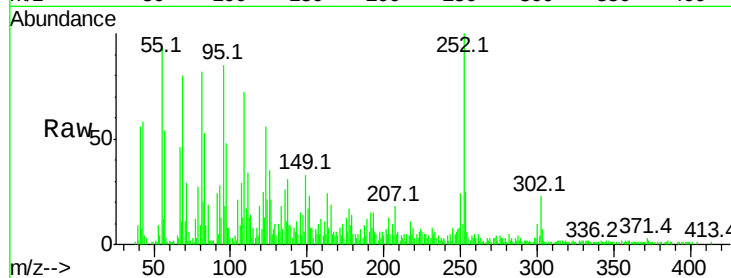
Lab File: BF094186.D

Acq: 5 Apr 2017 00:04

Instrument :
BNA_F
ClientSampleId :
LSS-SP04-COMP

Tot Ion:252 Resp: 69685

Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.1	27.1
125	34.6	9.8	14.8



#88

Benzo(k)fluoranthene

Concen: 4.98 ng

RT: 15.82 min Scan# 2369

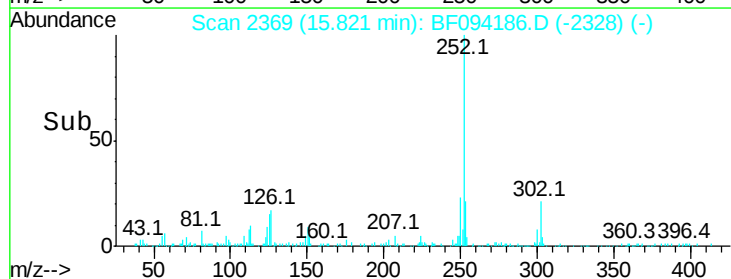
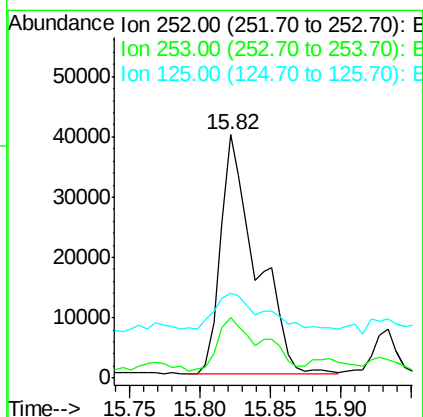
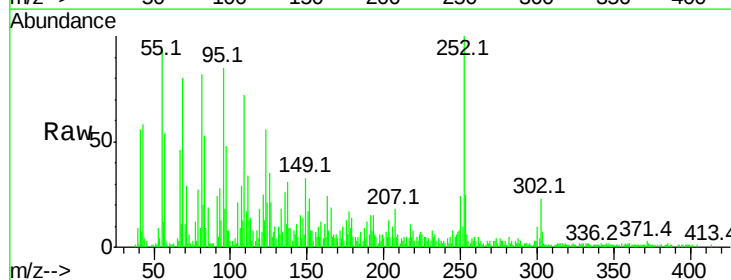
Delta R.T. -0.06 min

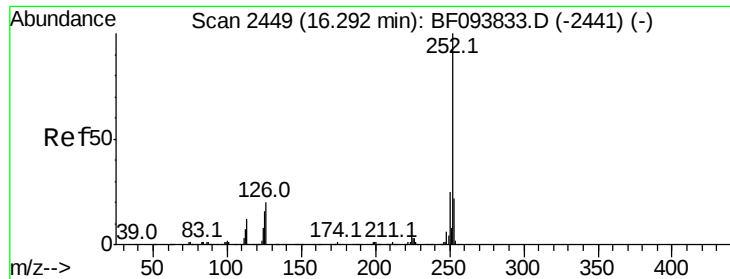
Lab File: BF094186.D

Acq: 5 Apr 2017 00:04

Tgt Ion:252 Resp: 69685

Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.4	27.6
125	34.6	13.1	19.7

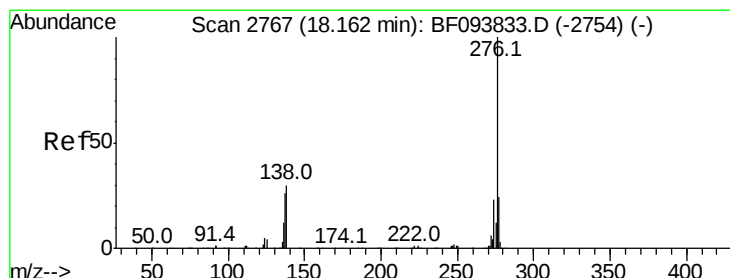
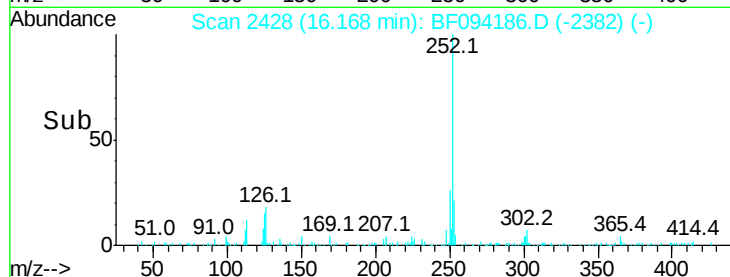
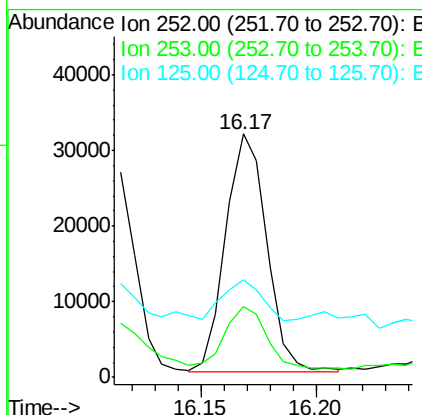
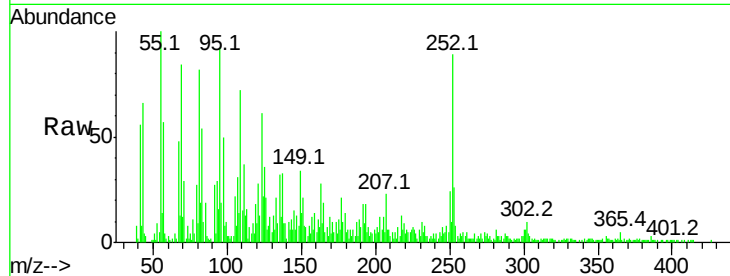




#89
Benzo(a)pyrene
Concen: 2.97 ng
RT: 16.17 min Scan# 2428
Delta R.T. -0.03 min
Lab File: BF094186.D
Acq: 5 Apr 2017 00:04

Instrument :
BNA_F
ClientSampleId :
LSS-SP04-COMP

Tot Ion:252 Resp: 39141
Ion Ratio Lower Upper
252 100
253 29.2 17.5 26.3#
125 40.1 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 3.75 ng
RT: 17.96 min Scan# 2733
Delta R.T. -0.05 min
Lab File: BF094186.D
Acq: 5 Apr 2017 00:04

Tgt Ion:276 Resp: 42116
Ion Ratio Lower Upper
276 100
277 22.0 18.6 28.0
138 32.6 25.4 38.0

