

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094141.D
 Acq On : 4 Apr 2017 00:35
 Operator : SJ/MA
 Sample : I2495-03 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP02-COMP

Quant Time: Apr 04 02:29:20 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

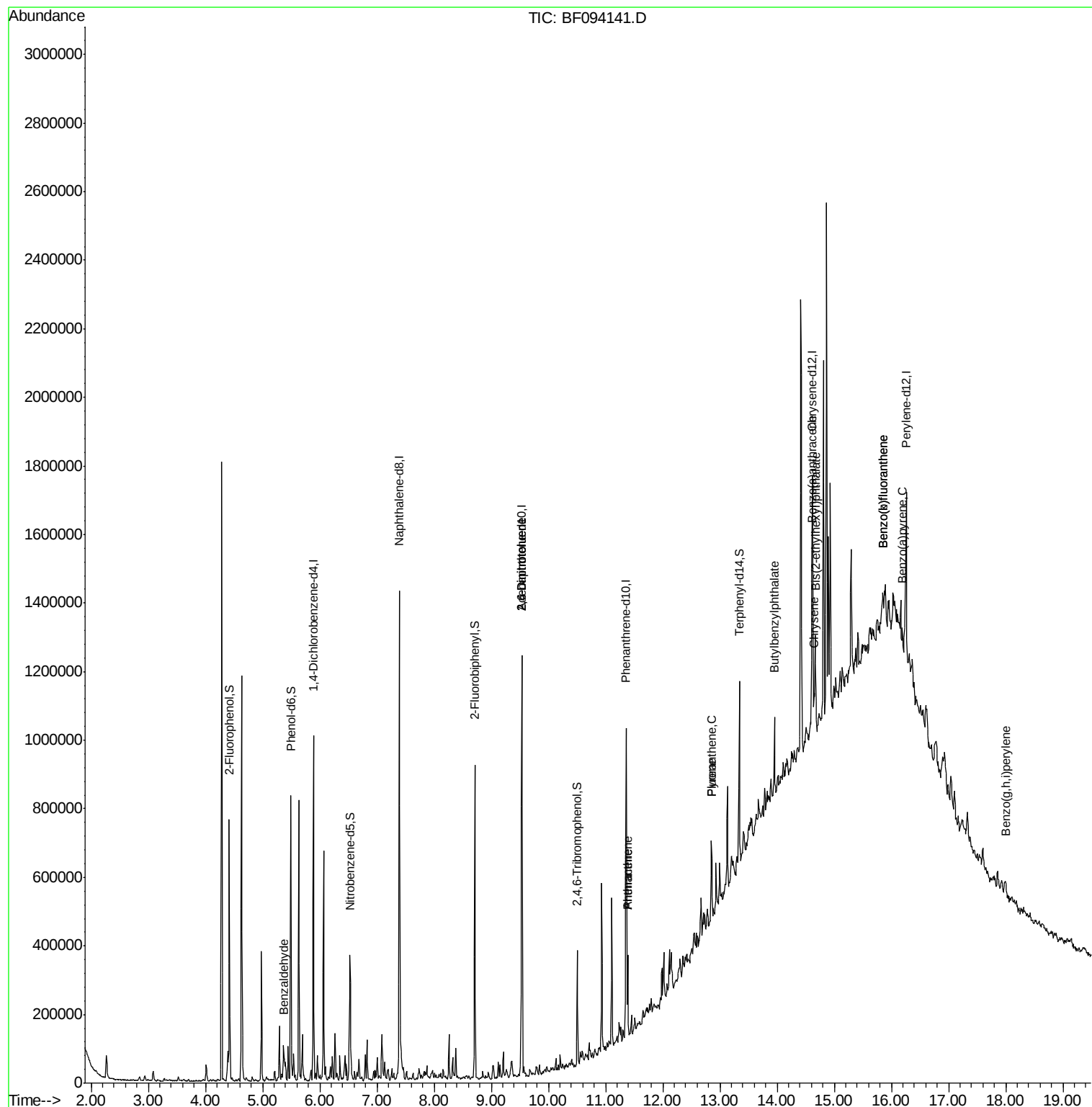
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	161934	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	620505	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	247487	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	379707	20.00	ng	-0.02
75) Chrysene-d12	14.62	240	304620	20.00	ng	-0.01
86) Perylene-d12	16.26	264	213793	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.42	112	214246	22.35	ng	-0.02
7) Phenol-d6	5.49	99	269998	22.76	ng	-0.02
23) Nitrobenzene-d5	6.53	82	112160	10.32	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	35120	17.96	ng	-0.02
44) 2-Fluorobiphenyl	8.71	172	304677	18.78	ng	-0.02
78) Terphenyl-d14	13.34	244	185533	13.65	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	5.38	77	18482	2.31	ng	96
50) 2,6-Dinitrotoluene	9.53	165	32753	8.12	ng	# 35
56) 2,4-Dinitrotoluene	9.53	165	32753	6.47	ng	# 34
70) Phenanthrene	11.39	178	91331	4.32	ng	98
71) Anthracene	11.39	178	91331	4.20	ng	99
74) Fluoranthene	12.85	202	105929	4.90	ng	99
77) Pyrene	12.85	202	81014	3.66	ng	97
79) Butylbenzylphthalate	13.95	149	61222	6.50	ng	# 83
80) Benzo(a)anthracene	14.60	228	52304	2.94	ng	# 95
82) Chrysene	14.65	228	53412	3.24	ng	# 93
83) Bis(2-ethylhexyl)phthalate	14.67	149	99137	7.71	ng	# 100
87) Benzo(b)fluoranthene	15.84	252	68448	5.22	ng	# 65
88) Benzo(k)fluoranthene	15.84	252	68448	5.34	ng	# 67
89) Benzo(a)pyrene	16.19	252	37061	3.07	ng	# 63
91) Benzo(a,h,i)perylene	17.99	276	33409	3.24	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: 5.89 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF094141.D

Acq: 4 Apr 2017 00:35

Instrument :

BNA_F

ClientSampleId :

LSS-SP02-COMP

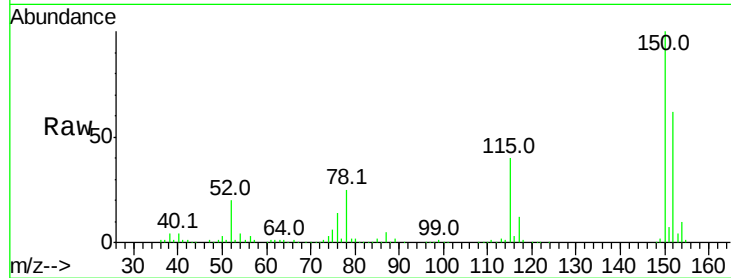
Tot Ion:152 Resp: 161934

Ion Ratio Lower Upper

152 100

150 160.5 126.2 189.2

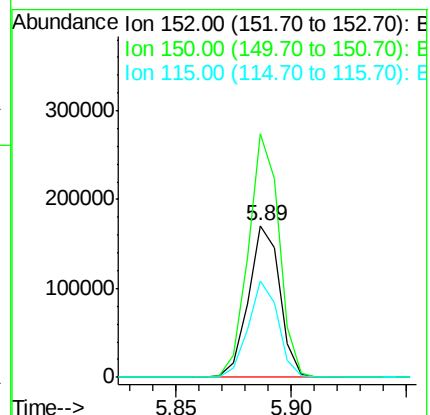
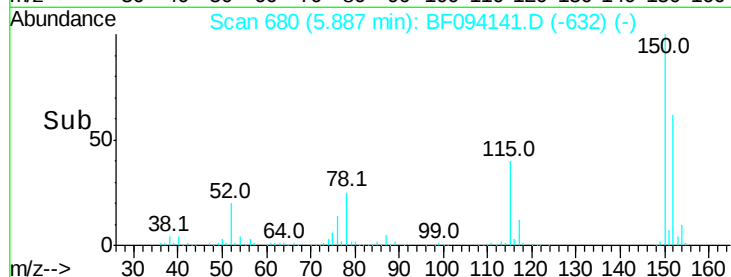
115 63.9 52.2 78.2



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: 22.35 ng

RT: 4.42 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF094141.D

Acq: 4 Apr 2017 00:35

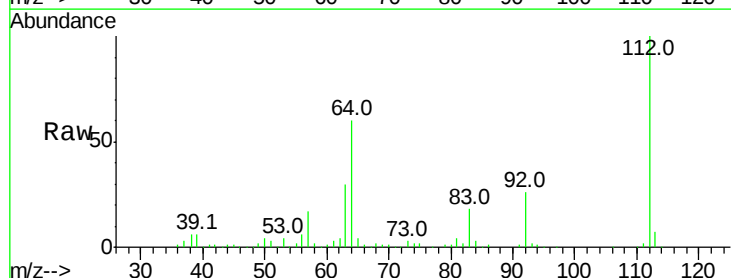
Tgt Ion:112 Resp: 214246

Ion Ratio Lower Upper

112 100

64 59.7 46.0 69.0

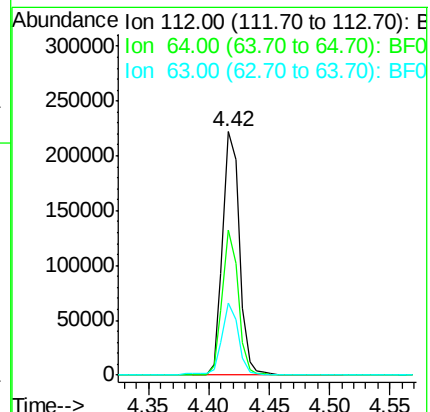
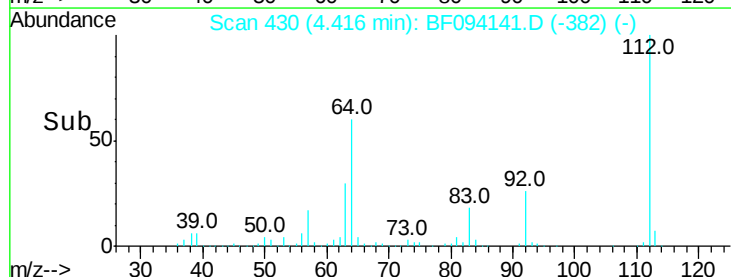
63 29.9 23.4 35.0

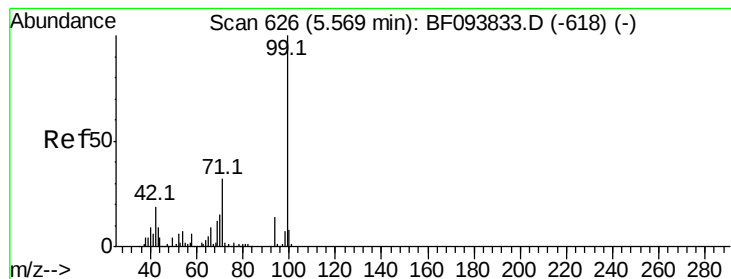


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 22.76 ng

RT: 5.49 min Scan# 613

Delta R.T. -0.02 min

Lab File: BF094141.D

Acq: 4 Apr 2017 00:35

Instrument :

BNA_F

ClientSampleId :

LSS-SP02-COMP

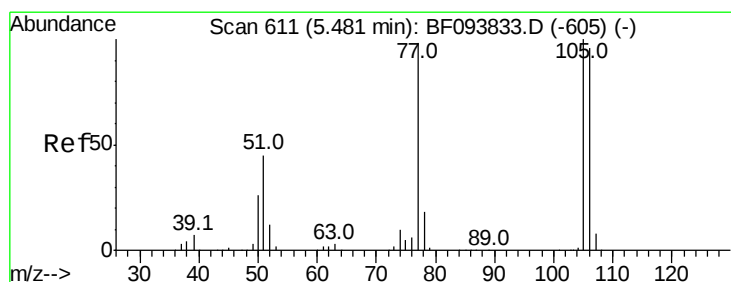
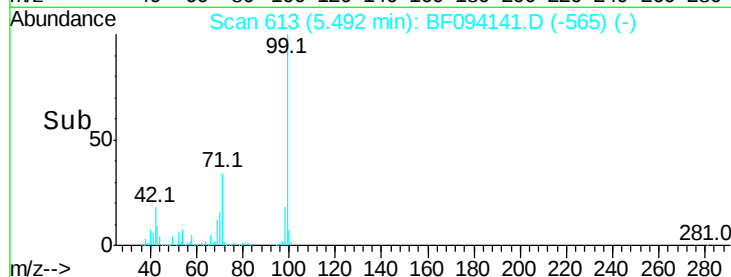
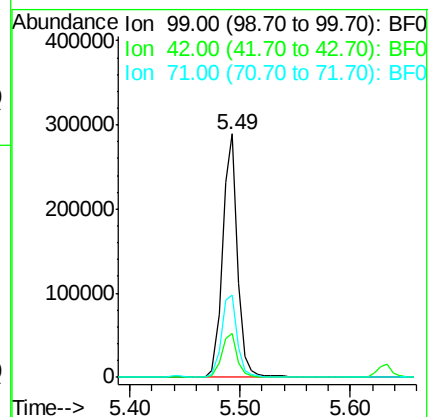
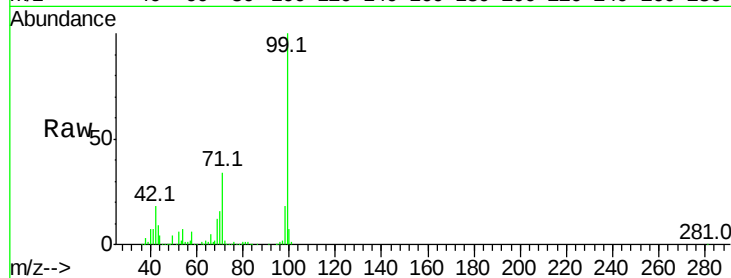
Tot Ion: 99 Resp: 269998

Ion Ratio Lower Upper

99 100

42 17.9 13.5 20.3

71 34.0 24.5 36.7



#9

Benzaldehyde

Concen: 2.31 ng

RT: 5.38 min Scan# 594

Delta R.T. -0.02 min

Lab File: BF094141.D

Acq: 4 Apr 2017 00:35

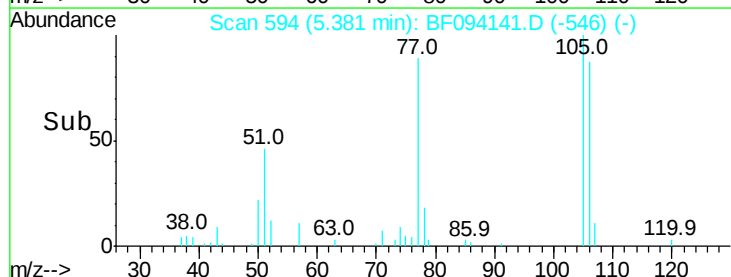
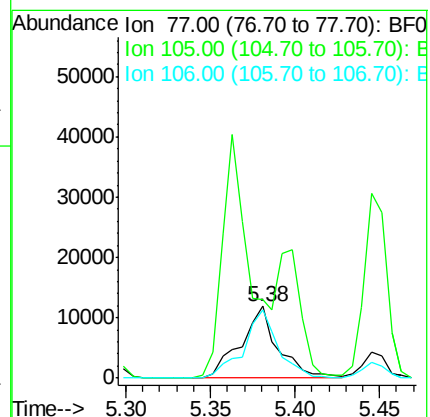
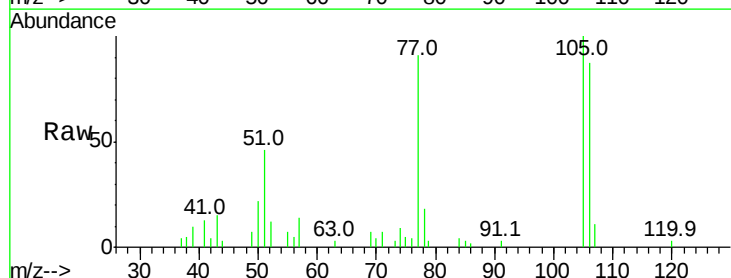
Tgt Ion: 77 Resp: 18482

Ion Ratio Lower Upper

77 100

105 109.7 83.8 123.8

106 96.0 79.1 119.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF094141.D

Acq: 4 Apr 2017 00:35

Instrument :

BNA_F

ClientSampleId :

LSS-SP02-COMP

Tot Ion:136 Resp: 620505

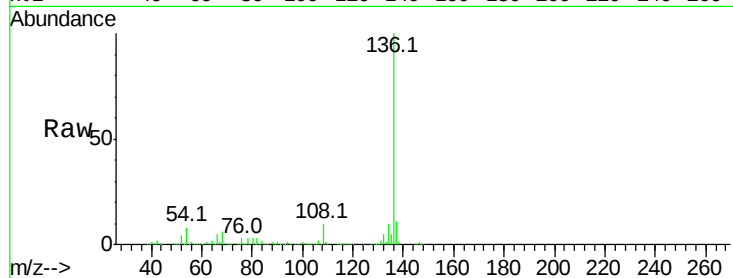
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 7.6 4.9 7.3#

68 5.8 4.1 6.1

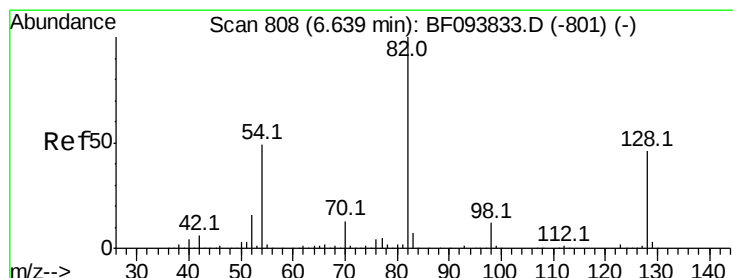
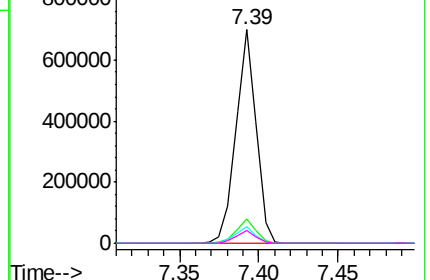
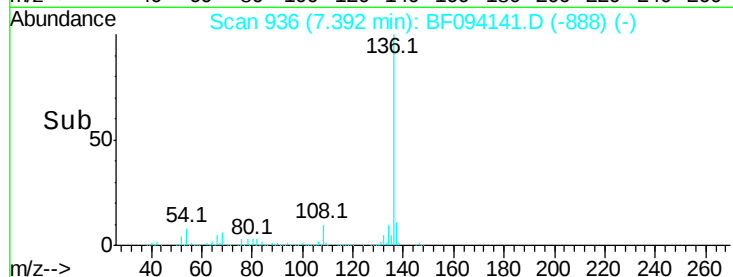


Abundance Ion 136.00 (135.70 to 136.70): E

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: 10.32 ng

RT: 6.53 min Scan# 789

Delta R.T. -0.03 min

Lab File: BF094141.D

Acq: 4 Apr 2017 00:35

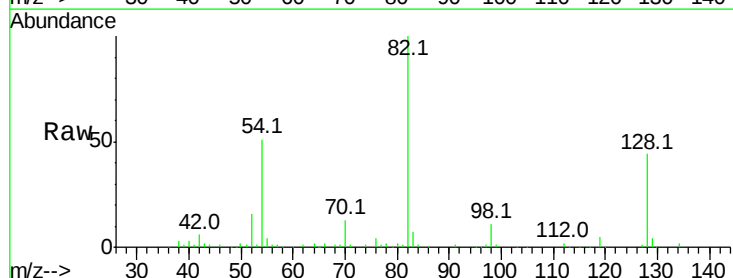
Tgt Ion: 82 Resp: 112160

Ion Ratio Lower Upper

82 100

128 43.6 34.0 51.0

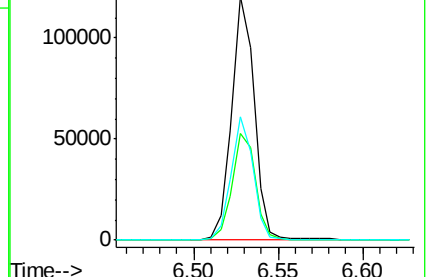
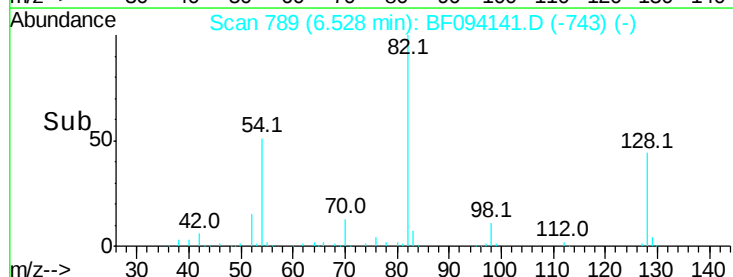
54 50.6 42.2 63.2

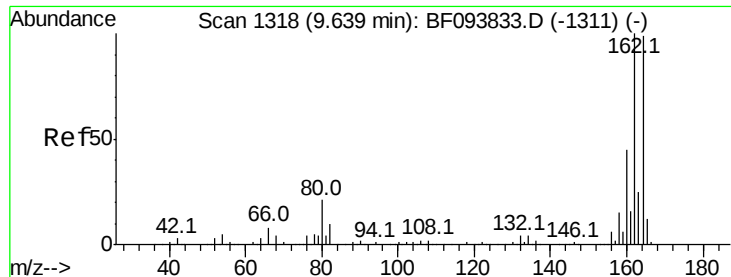


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

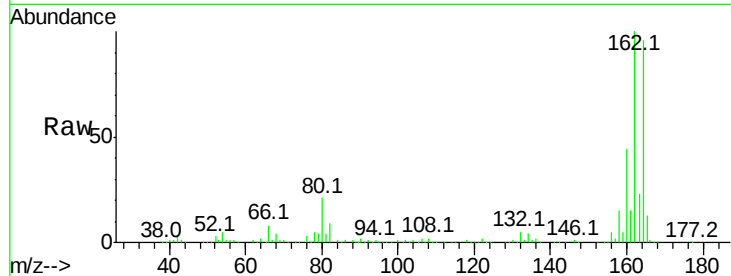




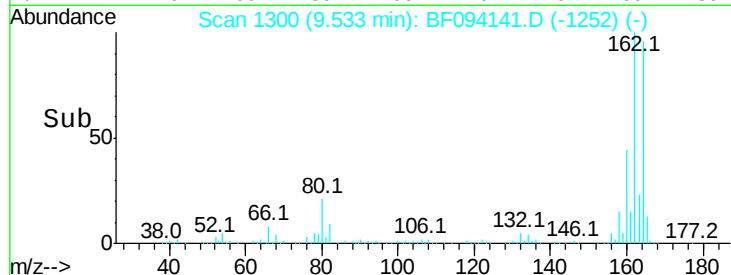
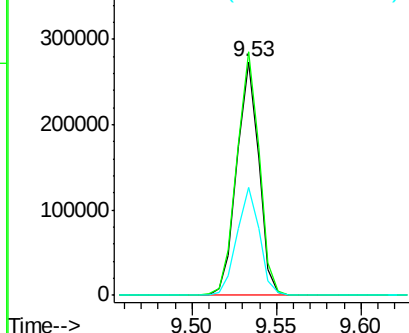
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.53 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF094141.D
Acq: 4 Apr 2017 00:35

Instrument :
BNA_F
ClientSampleId :
LSS-SP02-COMP

Tot Ion:164 Resp: 247487
Ion Ratio Lower Upper
164 100
162 104.1 82.6 123.8
160 46.2 36.2 54.2

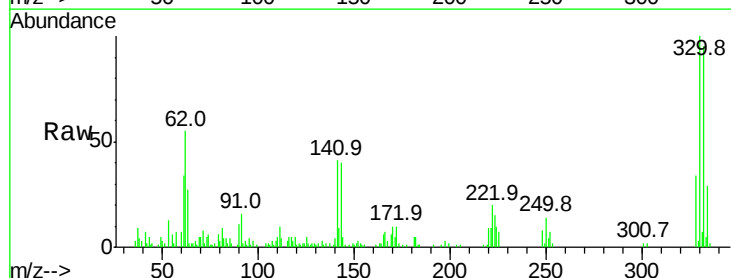


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

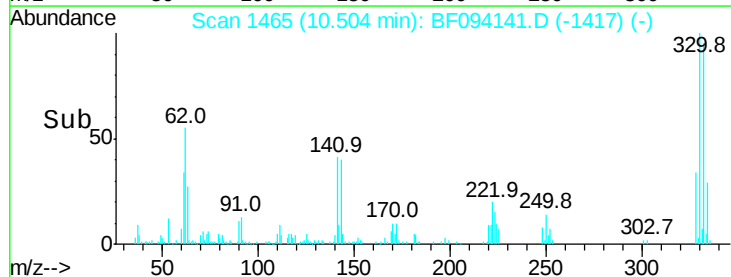
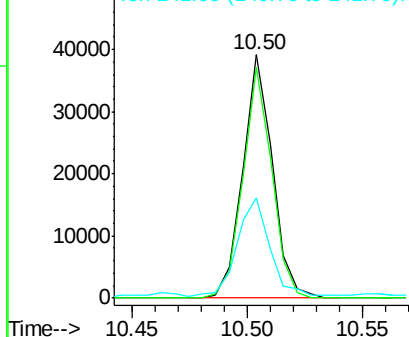


#41
2,4,6-Tribromophenol
Concen: 17.96 ng
RT: 10.50 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BF094141.D
Acq: 4 Apr 2017 00:35

Tgt Ion:330 Resp: 35120
Ion Ratio Lower Upper
330 100
332 92.6 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

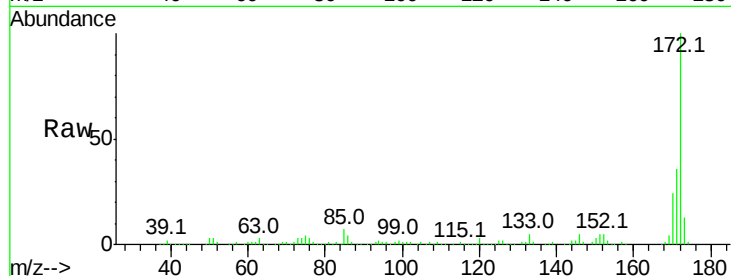




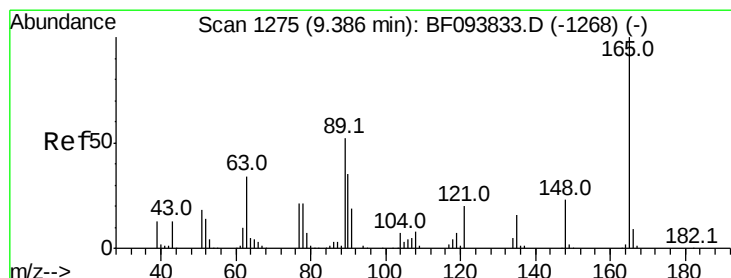
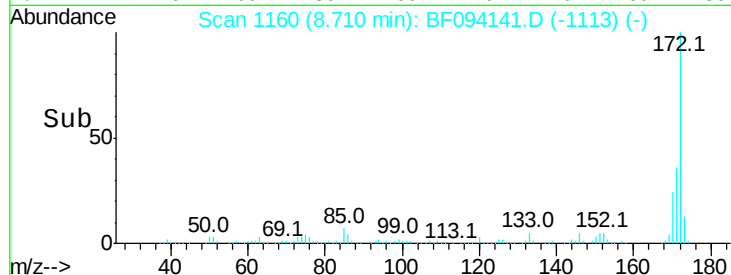
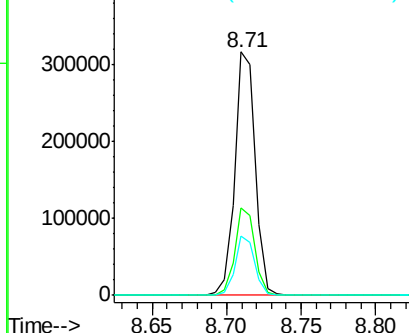
#44
 2-Fluorobiphenyl
 Concen: 18.78 ng
 RT: 8.71 min Scan# 1160
 Delta R.T. -0.02 min
 Lab File: BF094141.D
 Acq: 4 Apr 2017 00:35

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP02-COMP

Tot Ion:172 Resp: 304677
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 24.2 19.8 29.8

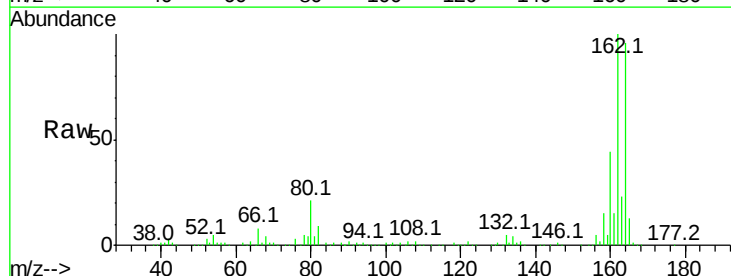


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

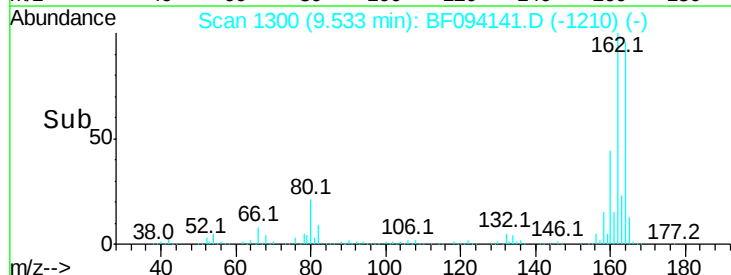
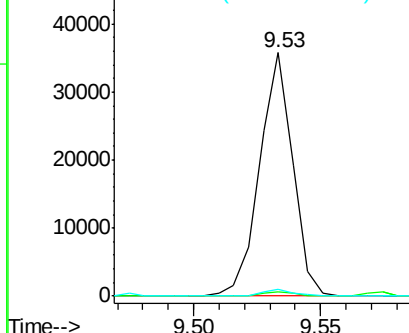


#50
 2,6-Dinitrotoluene
 Concen: 8.12 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. 0.23 min
 Lab File: BF094141.D
 Acq: 4 Apr 2017 00:35

Tgt Ion:165 Resp: 32753
 Ion Ratio Lower Upper
 165 100
 63 1.6 34.3 51.5#
 89 2.9 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

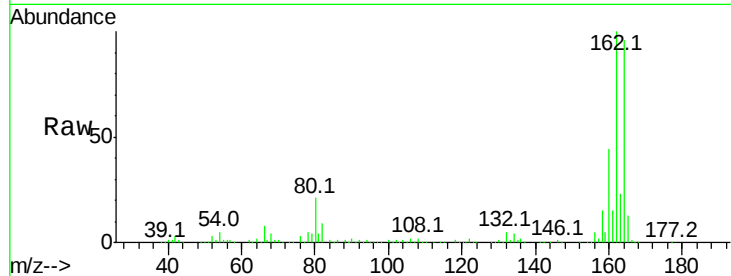




#56
 2,4-Dinitrotoluene
 Concen: 6.47 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.26 min
 Lab File: BF094141.D
 Acq: 4 Apr 2017 00:35

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP02-COMP

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	25.4	38.0#
89	2.9	46.4	69.6#
182	0.0	1.8	2.6#

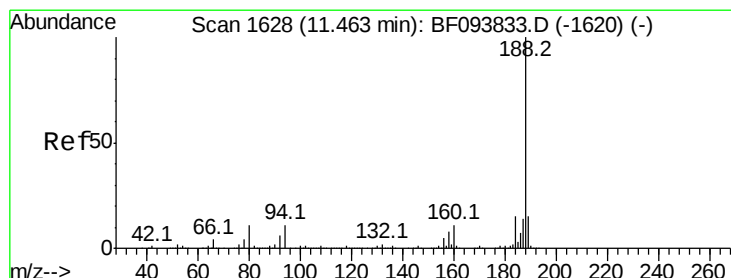
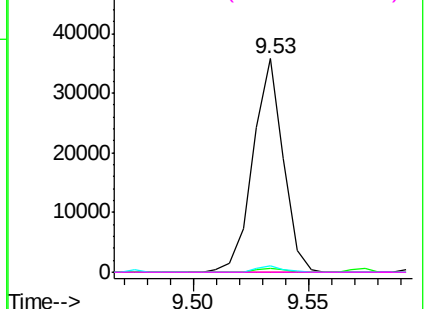
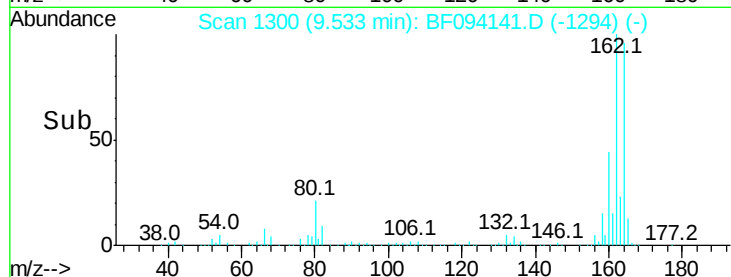


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

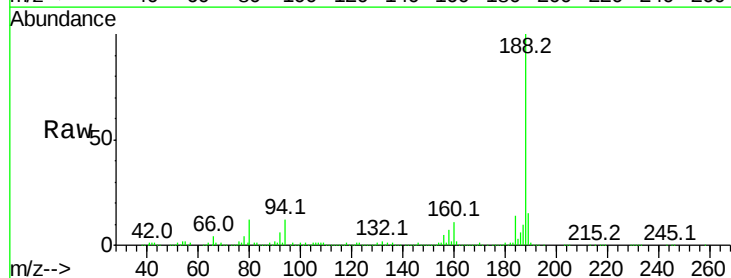
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. -0.02 min
 Lab File: BF094141.D
 Acq: 4 Apr 2017 00:35

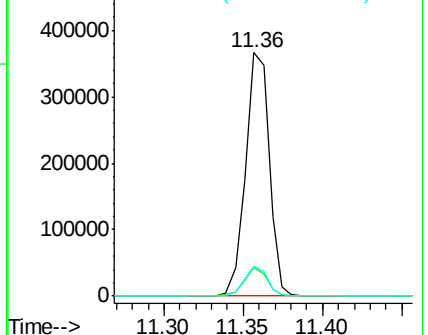
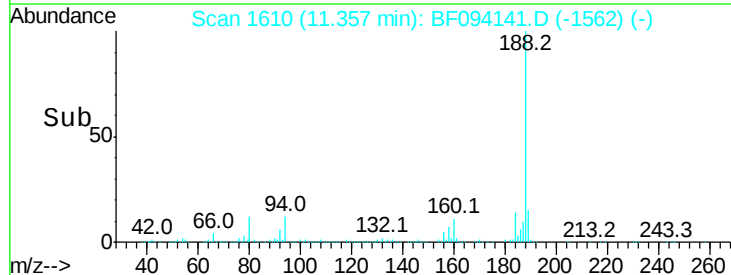
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.0	9.4	14.2
80	12.1	10.2	15.2

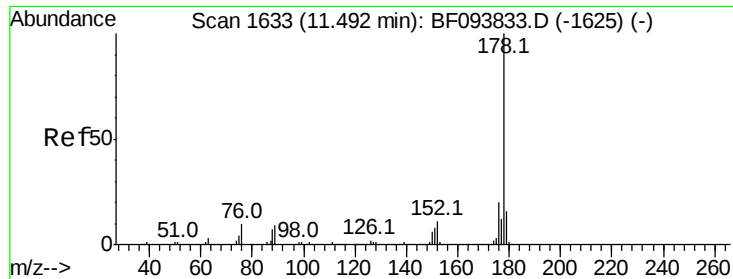


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 4.32 ng

RT: 11.39 min Scan# 1615

Delta R.T. -0.02 min

Lab File: BF094141.D

Acq: 4 Apr 2017 00:35

Instrument :

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LSS-SP02-COMP

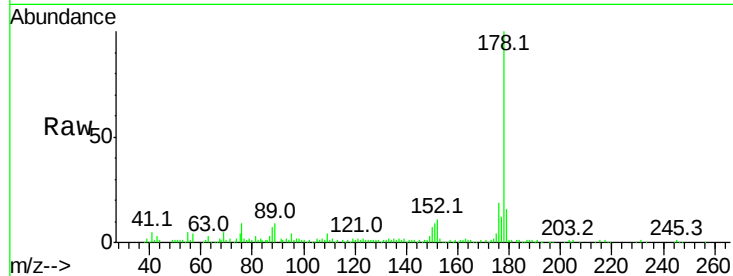
Tot Ion:178 Resp: 91331

Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.4

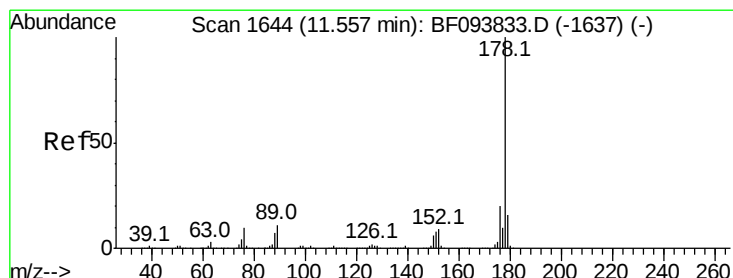
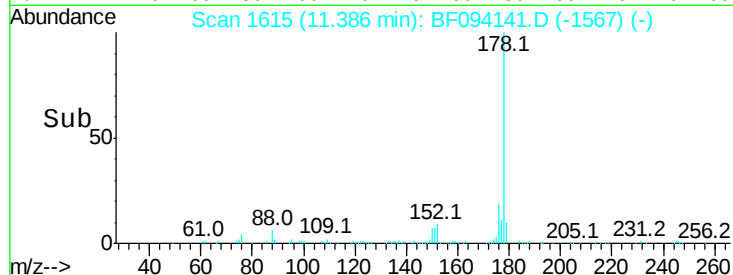
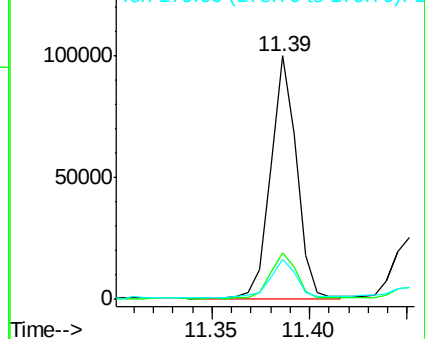
179 16.3 12.6 19.0



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: 4.20 ng

RT: 11.39 min Scan# 1615

Delta R.T. -0.08 min

Lab File: BF094141.D

Acq: 4 Apr 2017 00:35

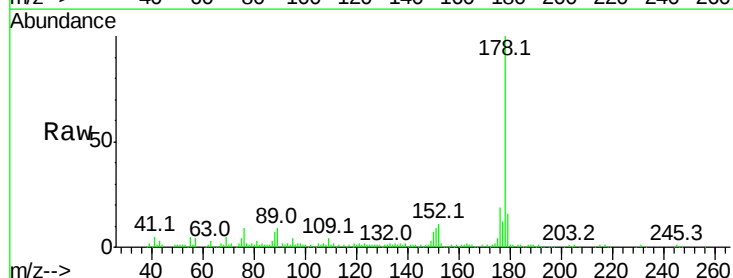
Tgt Ion:178 Resp: 91331

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

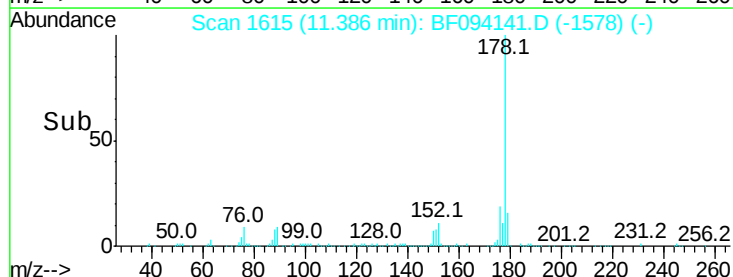
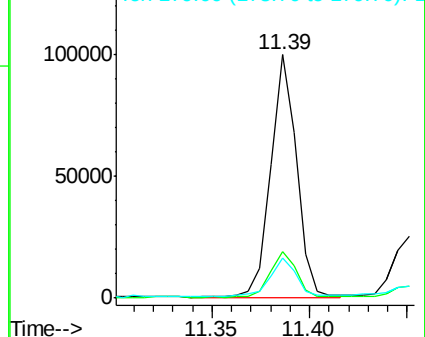
179 16.3 12.7 19.1

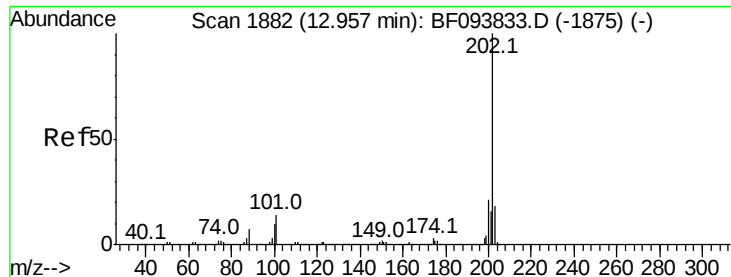


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.90 ng

RT: 12.85 min Scan# 1864

Delta R.T. -0.02 min

Lab File: BF094141.D

Acq: 4 Apr 2017 00:35

Instrument :

BNA_F

ClientSampleId :

LSS-SP02-COMP

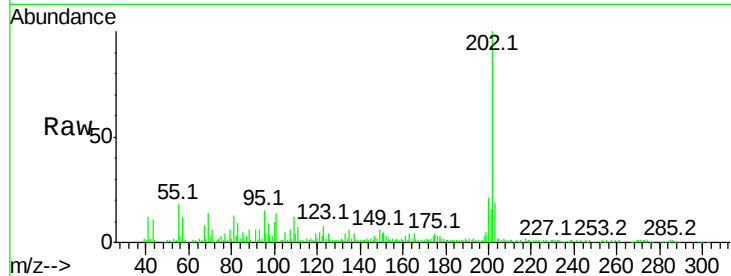
Tot Ion:202 Resp: 105929

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.2

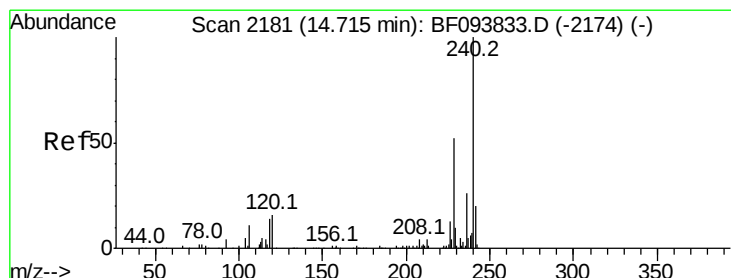
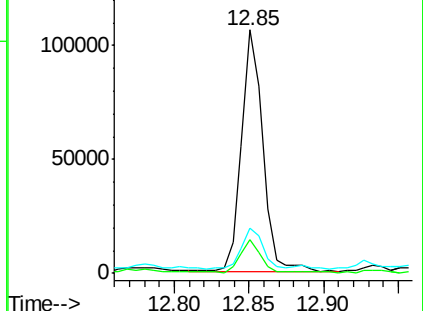
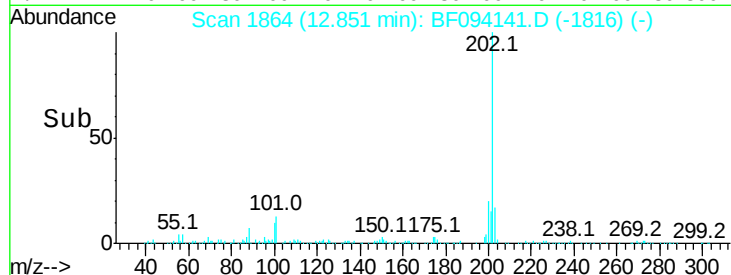
203 18.8 0.0 38.1



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: 14.62 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF094141.D

Acq: 4 Apr 2017 00:35

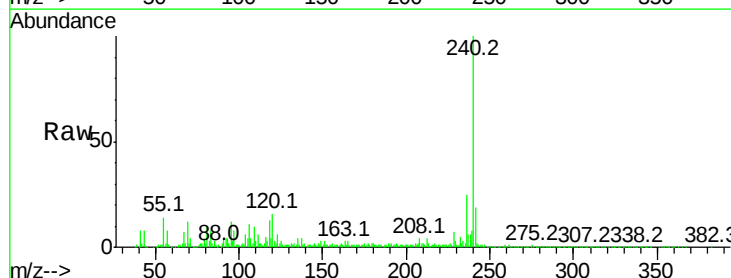
Tgt Ion:240 Resp: 304620

Ion Ratio Lower Upper

240 100

120 16.3 5.8 8.8#

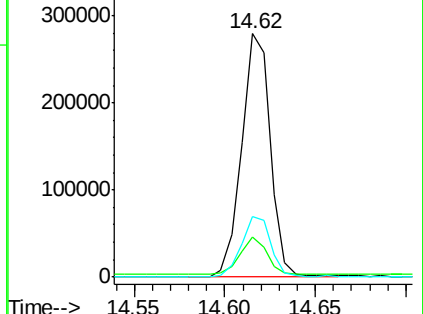
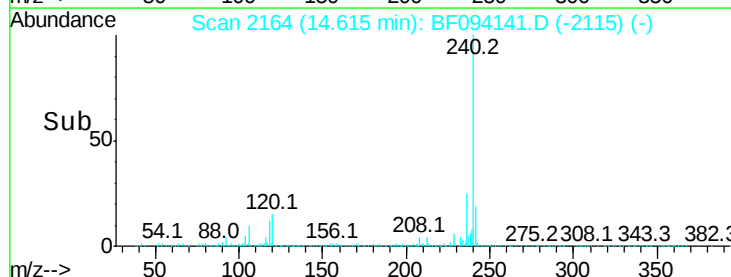
236 24.9 20.5 30.7

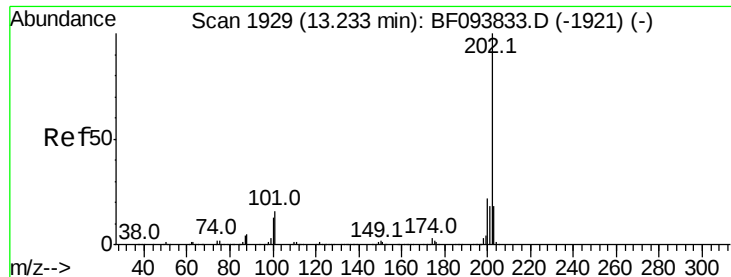


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

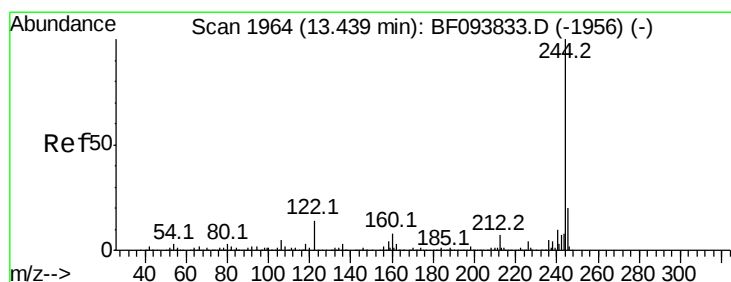
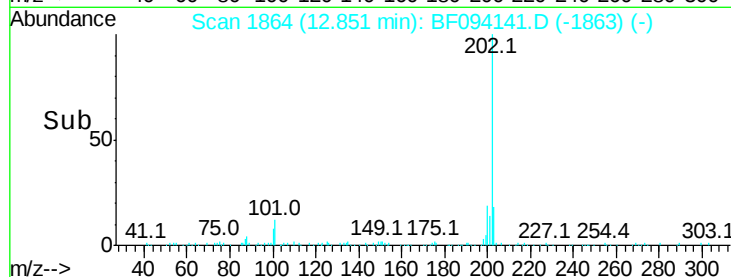
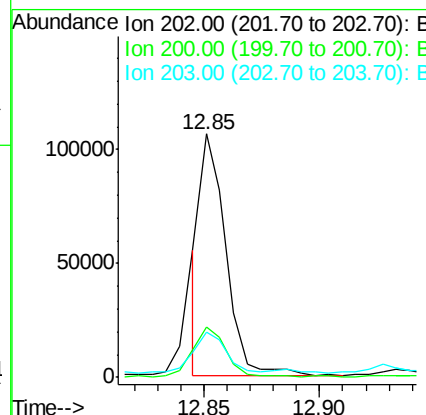
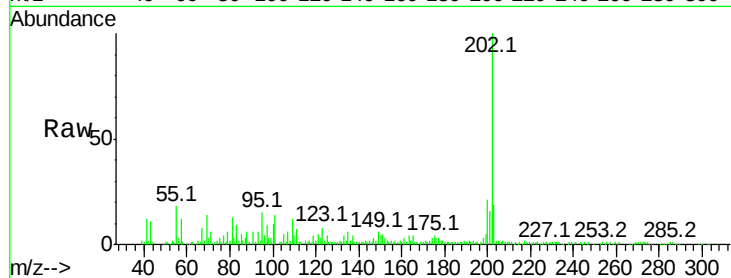




#77
Pvrene
Concen: 3.66 ng
RT: 12.85 min Scan# 1864
Delta R.T. -0.29 min
Lab File: BF094141.D
Acq: 4 Apr 2017 00:35

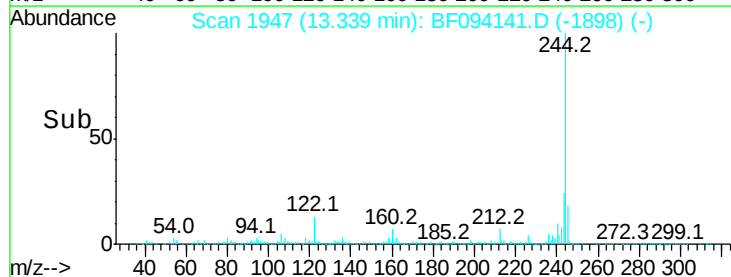
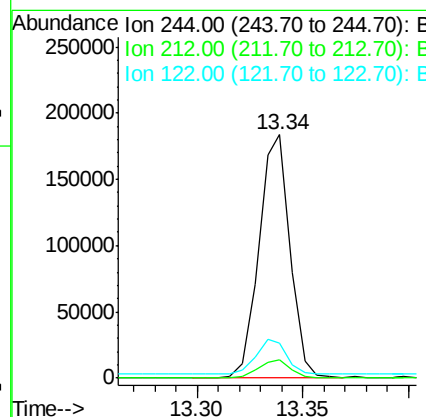
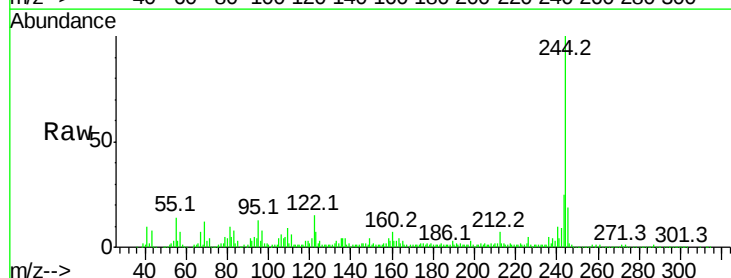
Instrument :
BNA_F
ClientSampleId :
LSS-SP02-COMP

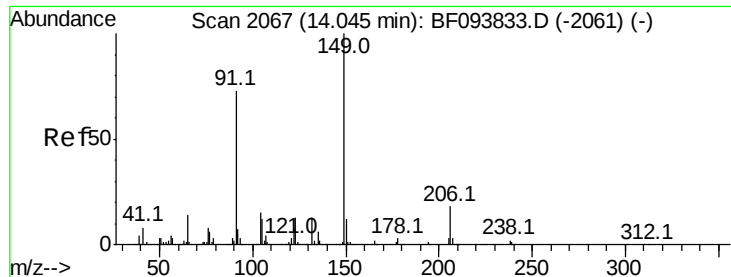
Tot Ion:202 Resp: 81014
Ion Ratio Lower Upper
202 100
200 20.5 17.6 26.4
203 18.8 14.4 21.6



#78
Terphenyl-d14
Concen: 13.65 ng
RT: 13.34 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BF094141.D
Acq: 4 Apr 2017 00:35

Tgt Ion:244 Resp: 185533
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 14.5 10.3 15.5

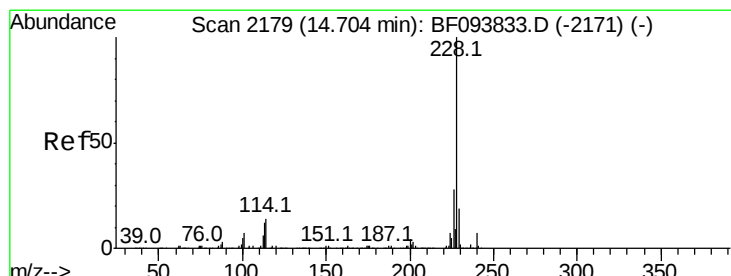
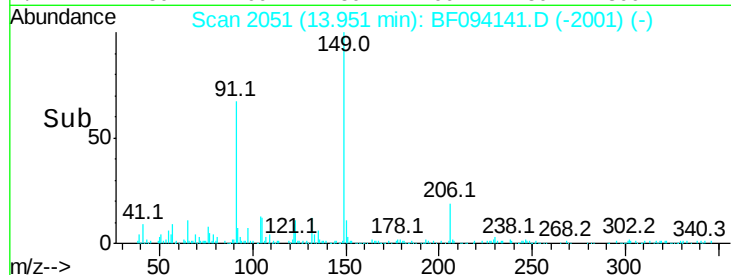
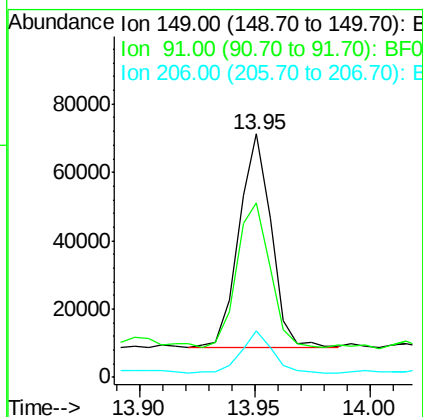
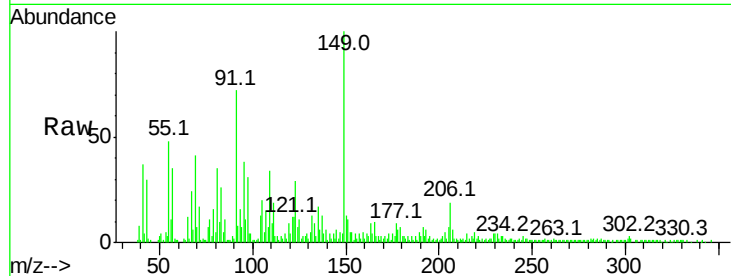




#79
Butylbenzylphthalate
Concen: 6.50 ng
RT: 13.95 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF094141.D
Acq: 4 Apr 2017 00:35

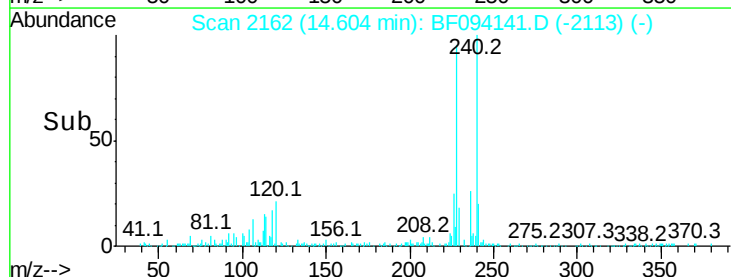
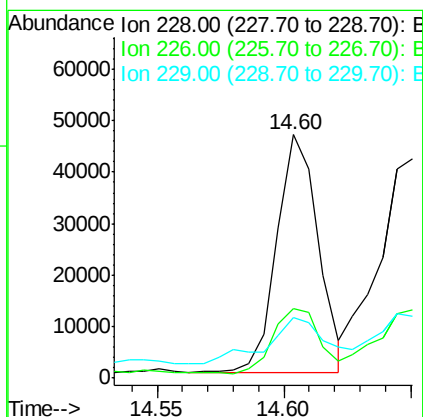
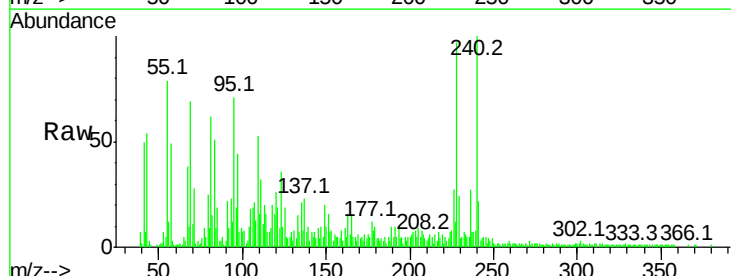
Instrument :
BNA_F
ClientSampleId :
LSS-SP02-COMP

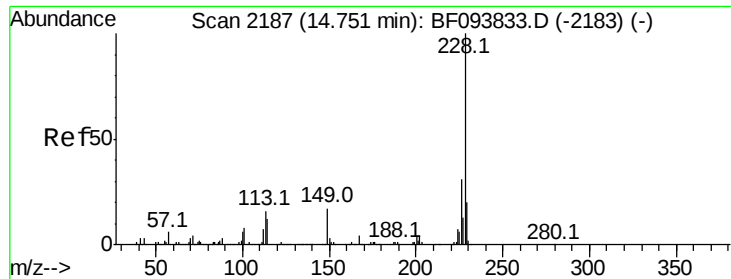
Tot Ion:149 Resp: 61222
Ion Ratio Lower Upper
149 100
91 71.8 45.0 67.4#
206 18.9 17.0 25.6



#80
Benzo(a)anthracene
Concen: 2.94 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF094141.D
Acq: 4 Apr 2017 00:35

Tgt Ion:228 Resp: 52304
Ion Ratio Lower Upper
228 100
226 28.4 22.6 33.8
229 25.1 16.3 24.5#





#82

Chrysene

Concen: 3.24 ng

RT: 14.65 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BF094141.D

Acq: 4 Apr 2017 00:35

Instrument :

BNA_F

ClientSampleId :

LSS-SP02-COMP

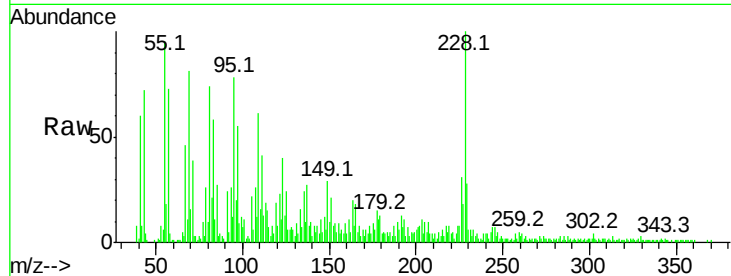
Tot Ion:228 Resp: 53412

Ion Ratio Lower Upper

228 100

226 30.9 24.9 37.3

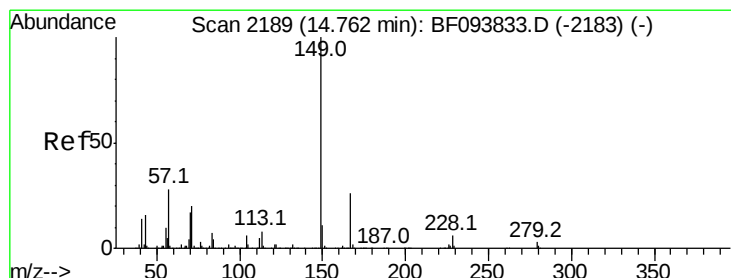
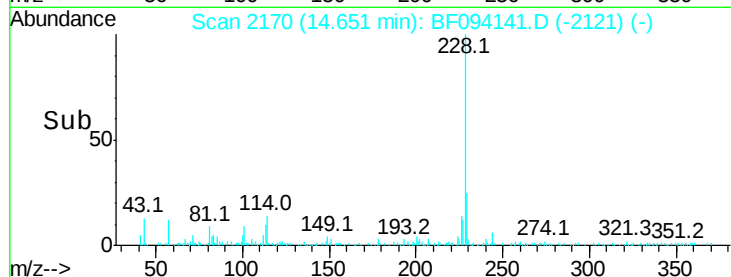
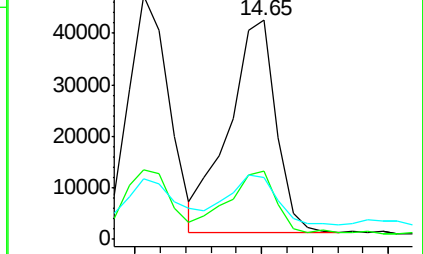
229 28.0 15.8 23.6#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 7.71 ng

RT: 14.67 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF094141.D

Acq: 4 Apr 2017 00:35

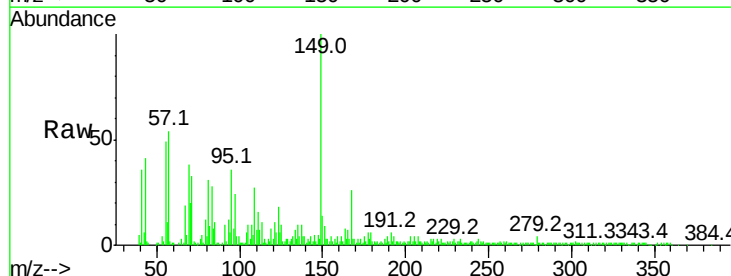
Tgt Ion:149 Resp: 99137

Ion Ratio Lower Upper

149 100

167 26.3 21.0 31.4

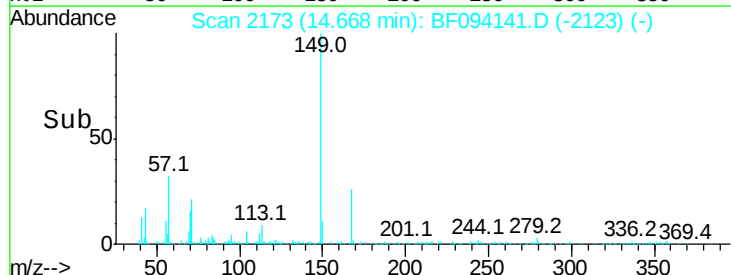
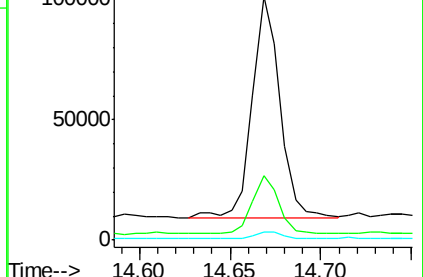
279 3.5 1.9 2.9#

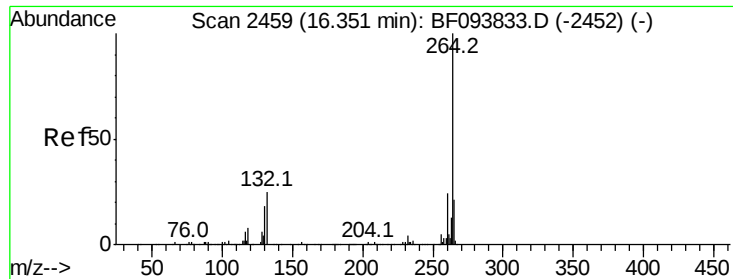


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

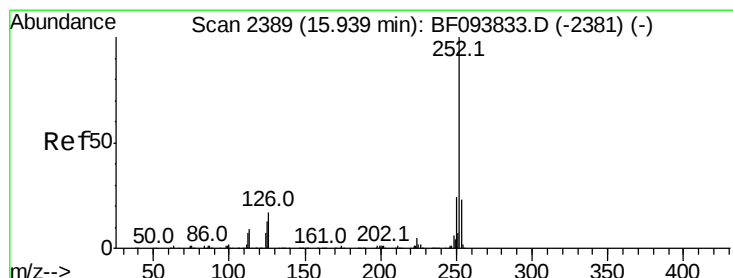
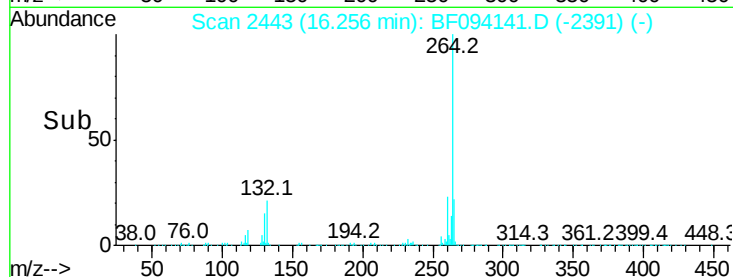
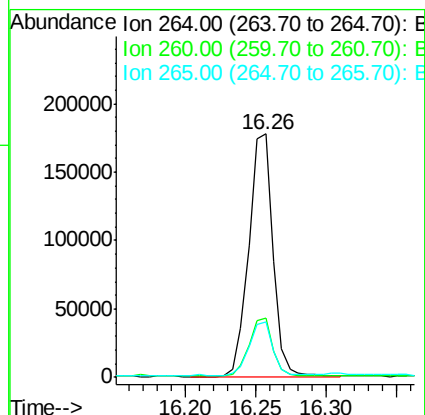
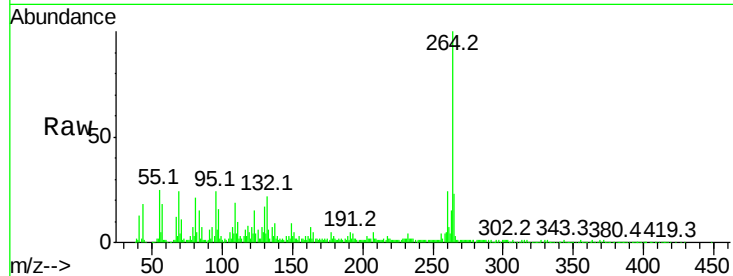




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.26 min Scan# 2443
Delta R.T. 0.01 min
Lab File: BF094141.D
Acq: 4 Apr 2017 00:35

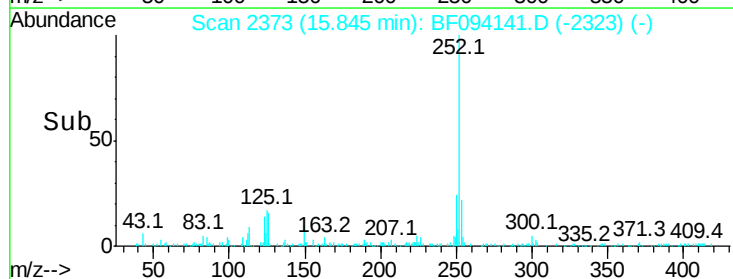
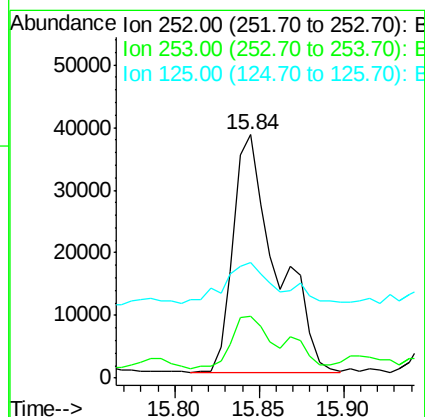
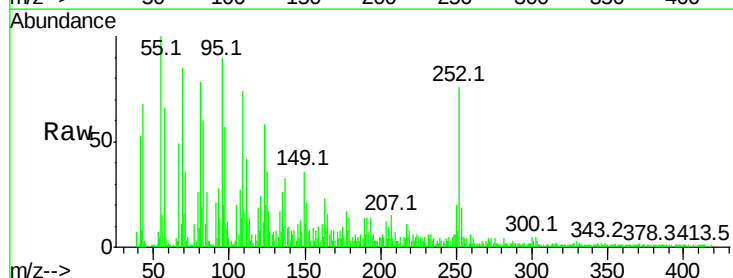
Instrument :
BNA_F
ClientSampleId :
LSS-SP02-COMP

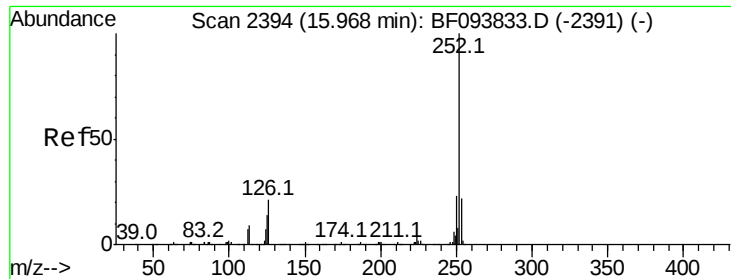
Tot Ion:264 Resp: 213793
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 22.9 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 5.22 ng
RT: 15.84 min Scan# 2373
Delta R.T. -0.01 min
Lab File: BF094141.D
Acq: 4 Apr 2017 00:35

Tgt Ion:252 Resp: 68448
Ion Ratio Lower Upper
252 100
253 25.4 18.1 27.1
125 47.4 9.8 14.8#

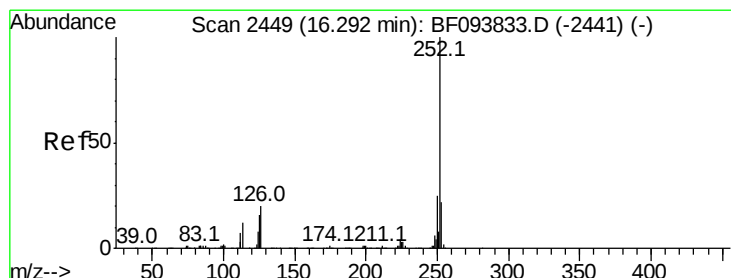
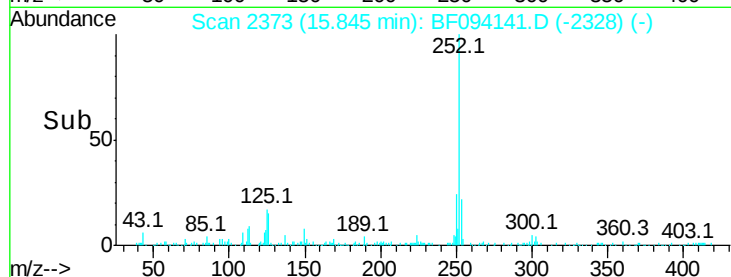
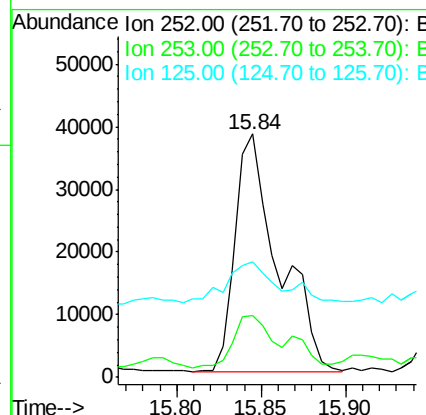
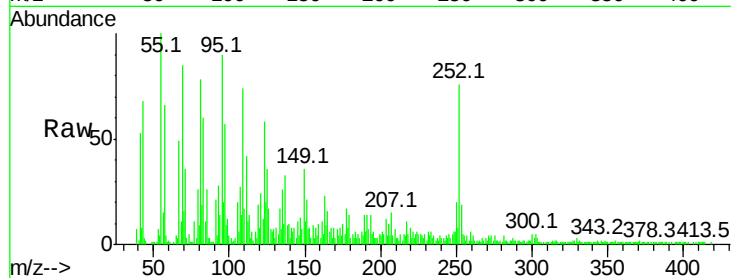




#88
Benzo(k)fluoranthene
Concen: 5.34 ng
RT: 15.84 min Scan# 2373
Delta R.T. -0.04 min
Lab File: BF094141.D
Acq: 4 Apr 2017 00:35

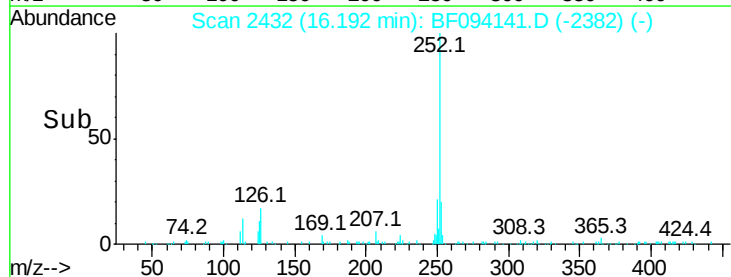
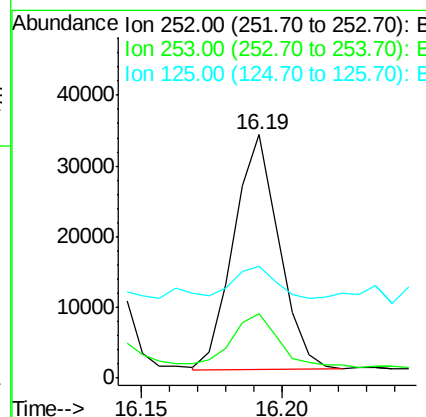
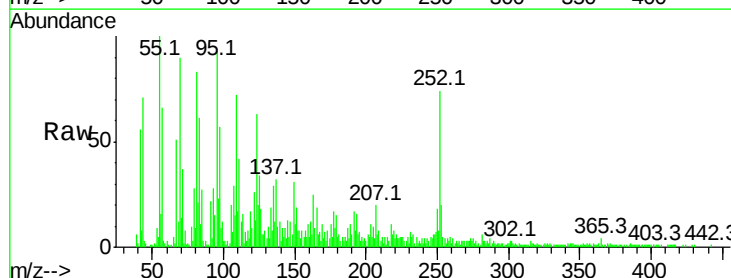
Instrument :
BNA_F
ClientSampleId :
LSS-SP02-COMP

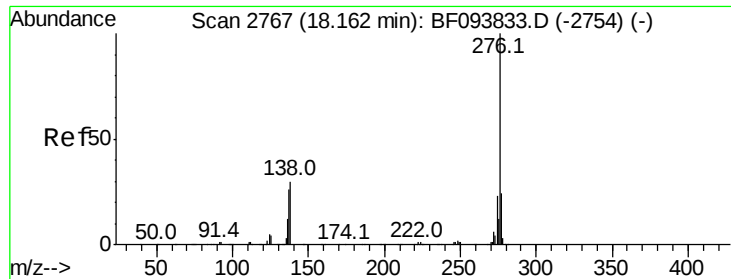
Tot Ion:252 Resp: 68448
Ion Ratio Lower Upper
252 100
253 25.4 18.4 27.6
125 47.4 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 3.07 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BF094141.D
Acq: 4 Apr 2017 00:35

Tgt Ion:252 Resp: 37061
Ion Ratio Lower Upper
252 100
253 26.4 17.5 26.3#
125 45.9 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 3.24 ng

RT: 17.99 min Scan# 2738

Delta R.T. -0.02 min

Lab File: BF094141.D

Acq: 4 Apr 2017 00:35

Instrument :

BNA_F

ClientSampleId :

LSS-SP02-COMP

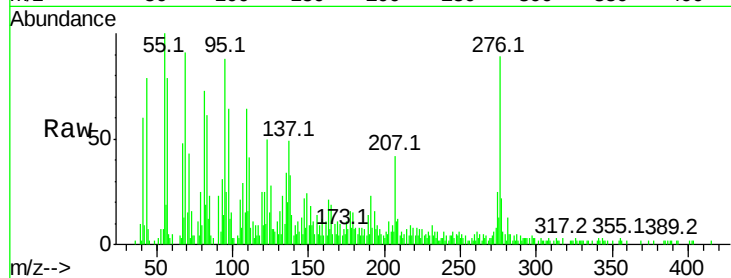
Tot Ion:276 Resp: 33409

Ion Ratio Lower Upper

276 100

277 25.0 18.6 28.0

138 37.2 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

