

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094132.D
 Acq On : 3 Apr 2017 20:27
 Operator : SJ/MA
 Sample : I2493-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP05-COMP

Quant Time: Apr 04 01:06:18 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

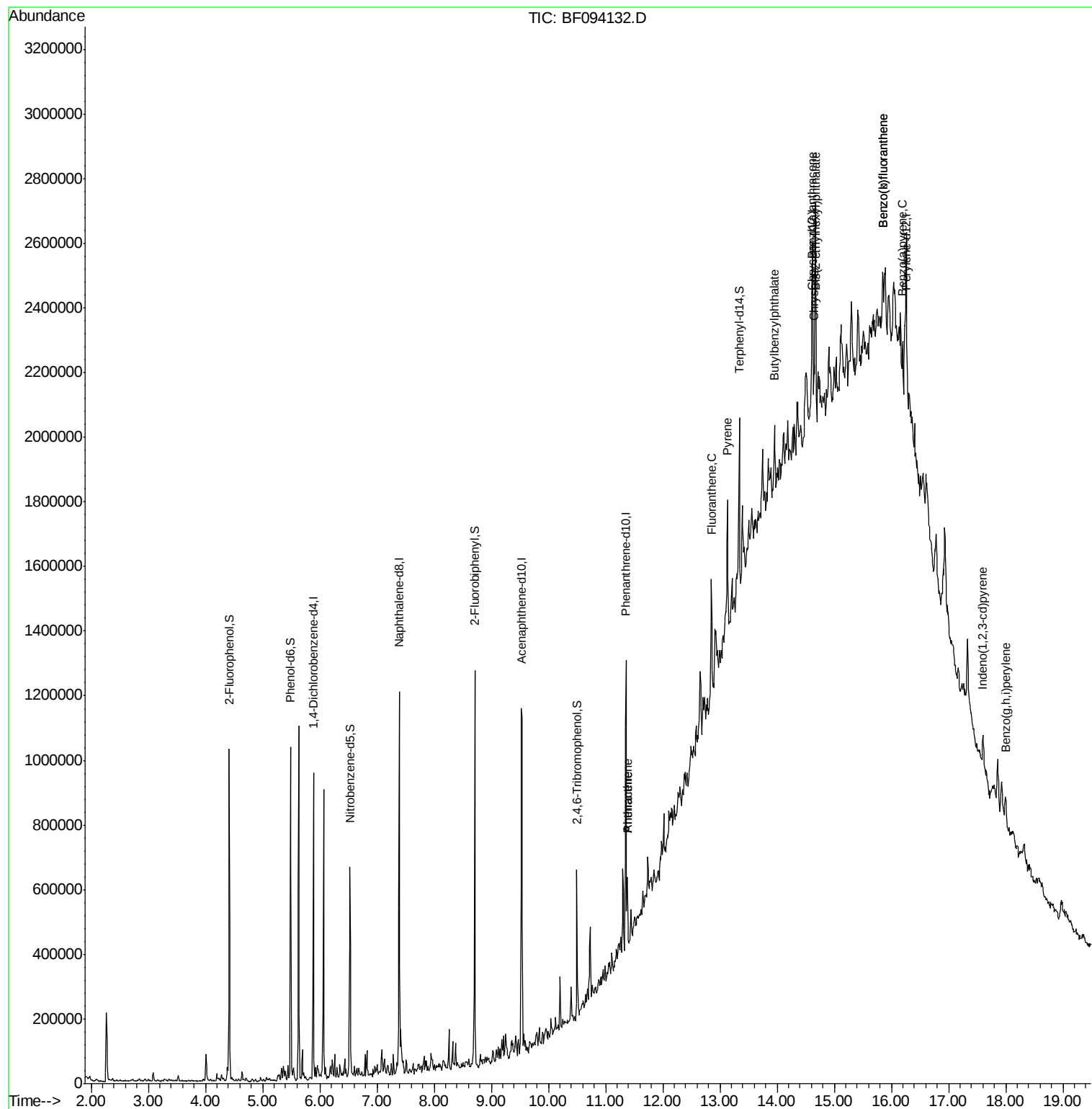
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	148582	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	573021	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	239712	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	354718	20.00	ng	-0.02
75) Chrysene-d12	14.62	240	235907	20.00	ng	-0.01
86) Perylene-d12	16.26	264	206023	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.42	112	278709	31.68	ng	-0.02
7) Phenol-d6	5.49	99	345653	31.76	ng	-0.02
23) Nitrobenzene-d5	6.53	82	200540	19.97	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	50914	26.88	ng	-0.02
44) 2-Fluorobiphenyl	8.71	172	384108	24.44	ng	-0.02
78) Terphenyl-d14	13.33	244	197204	18.74	ng	-0.02
Target Compounds						Qvalue
70) Phenanthrene	11.39	178	90564	4.59	ng	99
71) Anthracene	11.39	178	90564	4.46	ng	99
74) Fluoranthene	12.85	202	157307	7.79	ng	98
77) Pyrene	13.13	202	165010	9.64	ng	97
79) Butylbenzylphthalate	13.95	149	61500	8.43	ng	# 76
80) Benzo(a)anthracene	14.60	228	71038	5.16	ng	# 91
82) Chrysene	14.65	228	73645	5.77	ng	# 91
83) Bis(2-ethylhexyl)phthalate	14.67	149	280214	28.16	ng	# 99
85) Indeno(1,2,3-cd)pyrene	17.60	276	62865	5.69	ng	94
87) Benzo(b)fluoranthene	15.84	252	149191	11.81	ng	# 71
88) Benzo(k)fluoranthene	15.84	252	149191	12.07	ng	# 74
89) Benzo(a)pyrene	16.20	252	80524	6.92	ng	# 69
91) Benzo(a,h,i)perylene	18.00	276	72751	7.33	ng	95

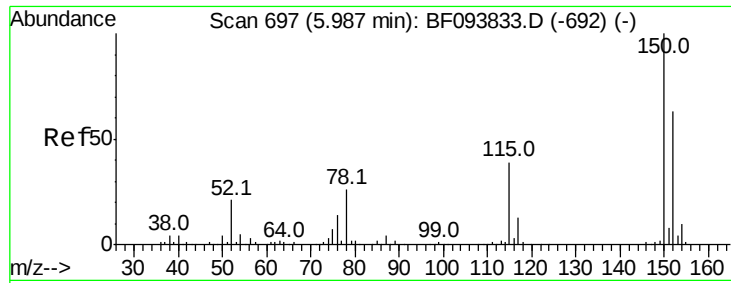
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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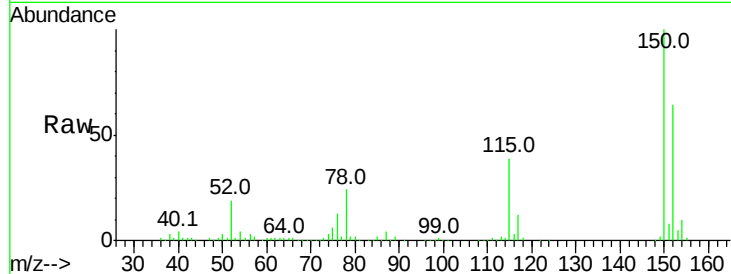


#1

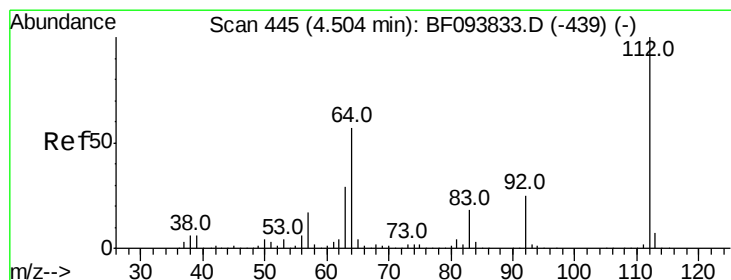
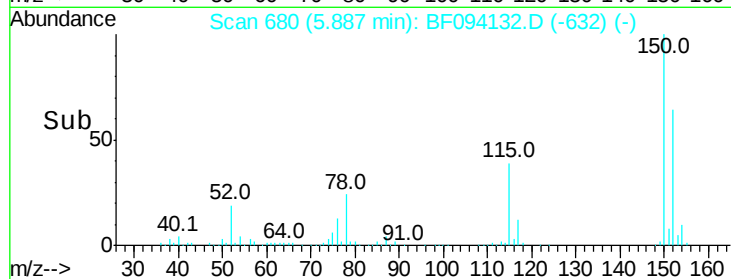
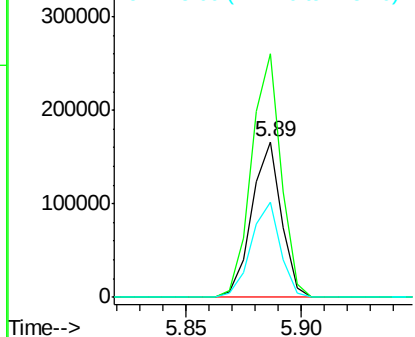
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.89 min Scan# 680
 Delta R.T. -0.02 min
 Lab File: BF094132.D
 Acq: 3 Apr 2017 20:27

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP05-COMP

Tot Ion:152 Resp: 148582
 Ion Ratio Lower Upper
 152 100
 150 156.4 126.2 189.2
 115 61.5 52.2 78.2



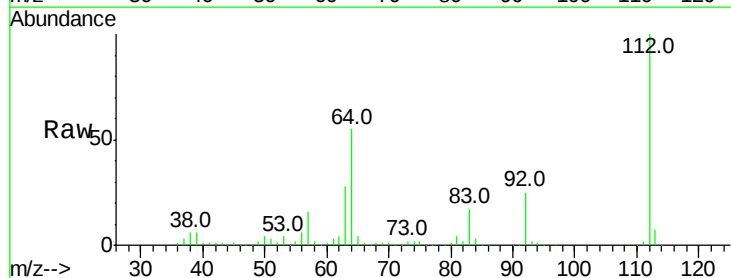
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



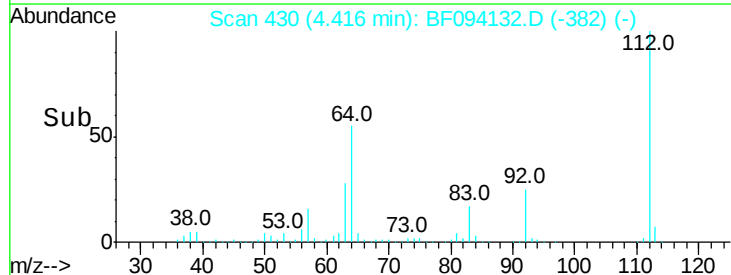
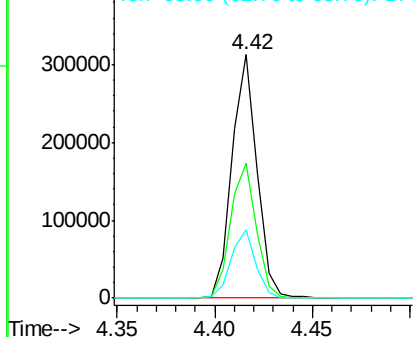
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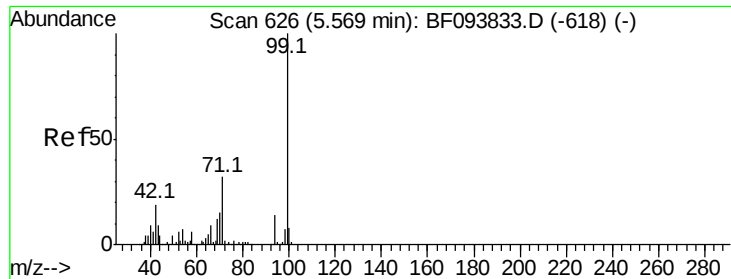
2-Fluorophenol
 Concen: 31.68 ng
 RT: 4.42 min Scan# 430
 Delta R.T. -0.02 min
 Lab File: BF094132.D
 Acq: 3 Apr 2017 20:27

Tgt Ion:112 Resp: 278709
 Ion Ratio Lower Upper
 112 100
 64 55.3 46.0 69.0
 63 27.9 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: 31.76 ng

RT: 5.49 min Scan# 612

Delta R.T. -0.02 min

Lab File: BF094132.D

Acq: 3 Apr 2017 20:27

Instrument :

BNA_F

ClientSampleId :

LSS-SP05-COMP

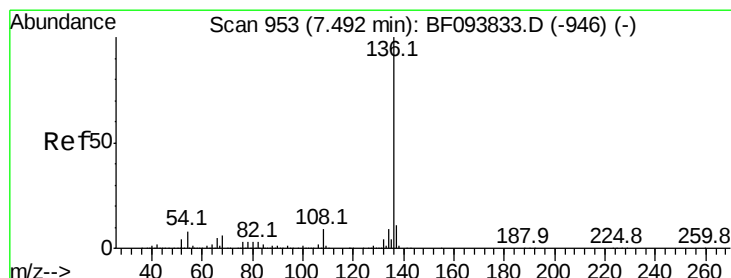
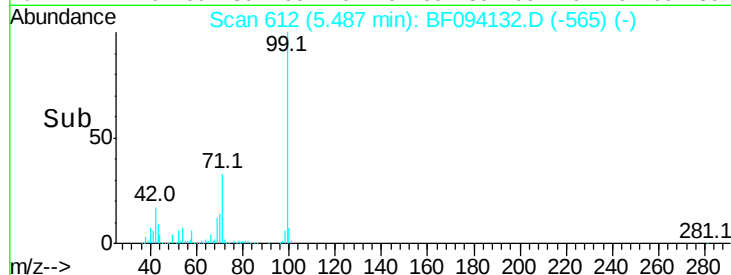
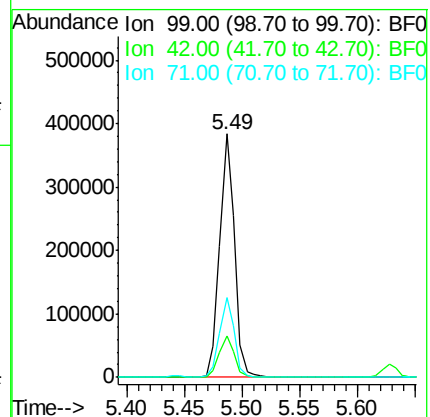
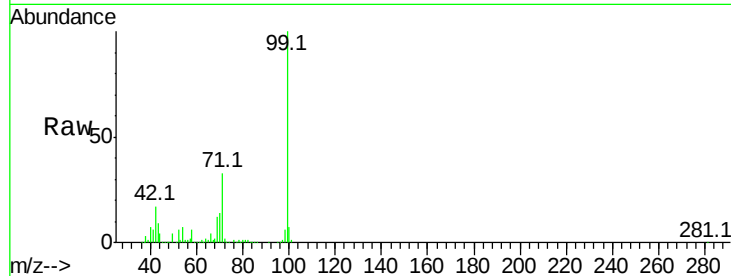
Tot Ion: 99 Resp: 345653

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

71 33.0 24.5 36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF094132.D

Acq: 3 Apr 2017 20:27

Tgt Ion: 136 Resp: 573021

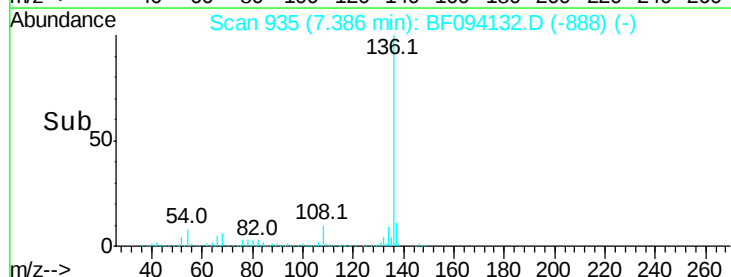
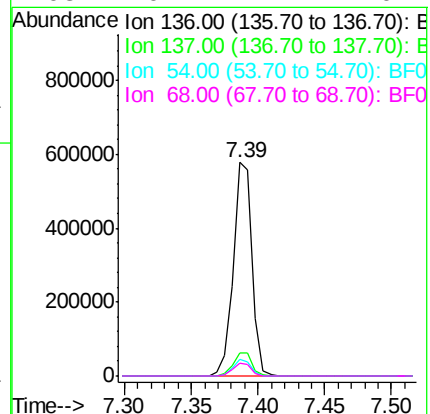
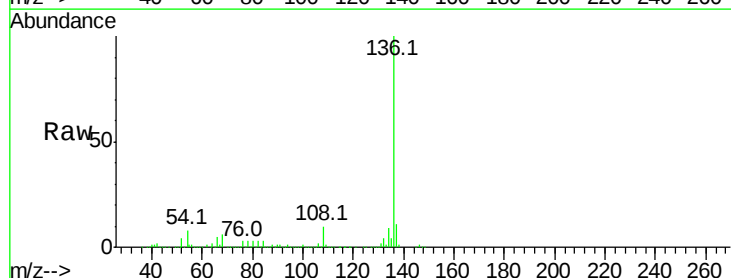
Ion Ratio Lower Upper

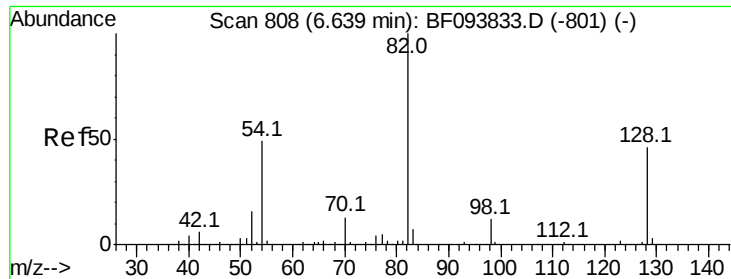
136 100

137 11.1 8.5 12.7

54 7.8 4.9 7.3#

68 6.1 4.1 6.1

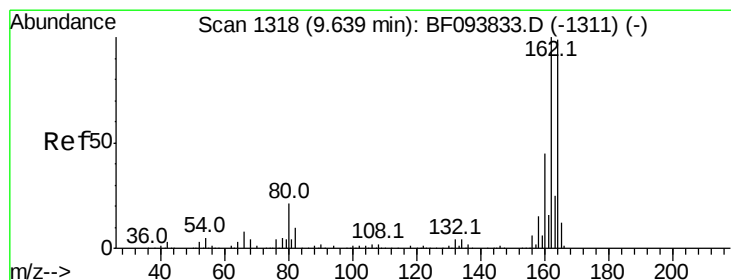
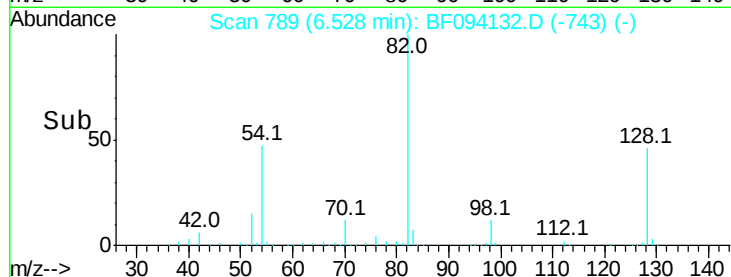
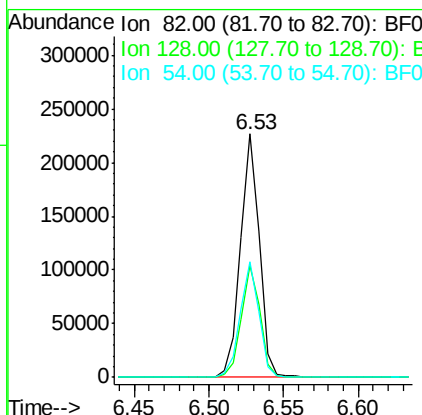
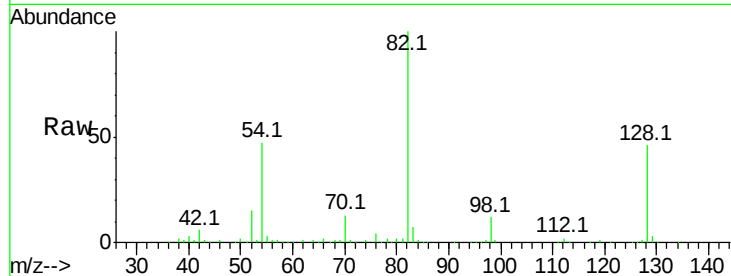




#23
 Nitrobenzene-d5
 Concen: 19.97 ng
 RT: 6.53 min Scan# 789
 Delta R.T. -0.03 min
 Lab File: BF094132.D
 Acq: 3 Apr 2017 20:27

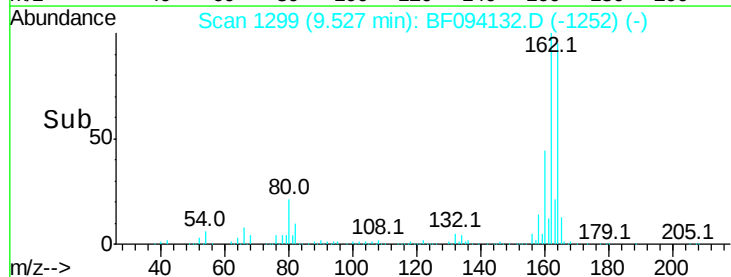
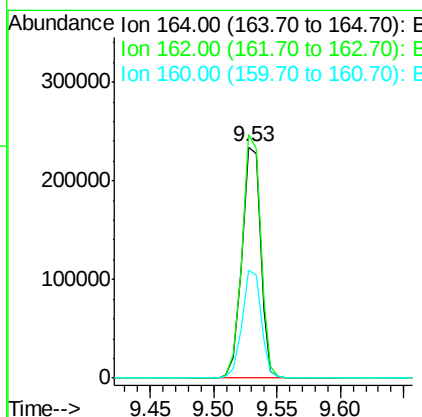
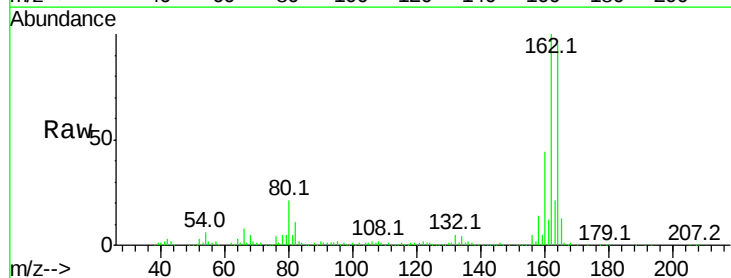
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP05-COMP

Tot Ion: 82 Resp: 200540
 Ion Ratio Lower Upper
 82 100
 128 46.1 34.0 51.0
 54 47.3 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.02 min
 Lab File: BF094132.D
 Acq: 3 Apr 2017 20:27

Tgt Ion:164 Resp: 239712
 Ion Ratio Lower Upper
 164 100
 162 105.4 82.6 123.8
 160 46.7 36.2 54.2

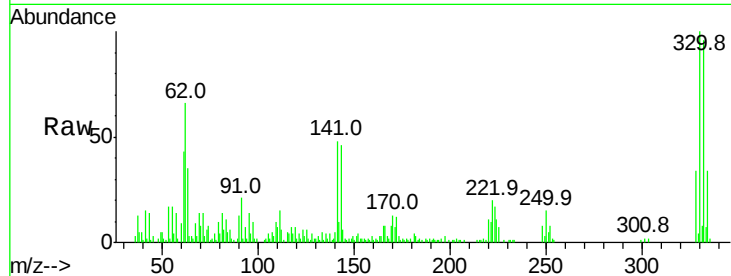




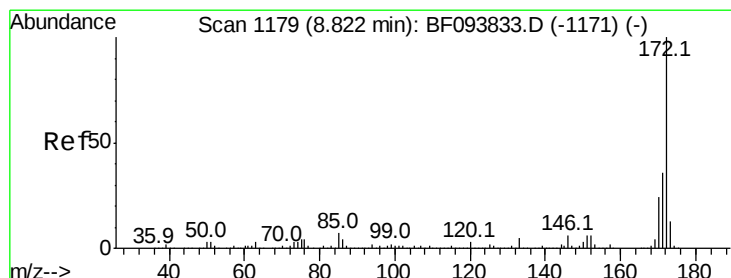
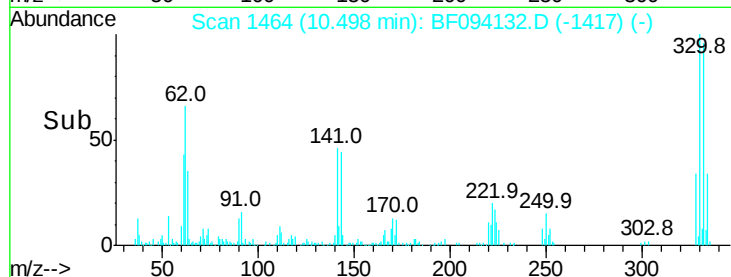
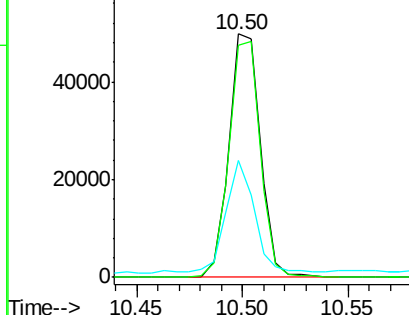
#41
 2,4,6-Tribromophenol
 Concen: 26.88 ng
 RT: 10.50 min Scan# 1464
 Delta R.T. -0.02 min
 Lab File: BF094132.D
 Acq: 3 Apr 2017 20:27

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP05-COMP

Tot Ion:330 Resp: 50914
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 115.0
 141 42.9 31.4 47.2

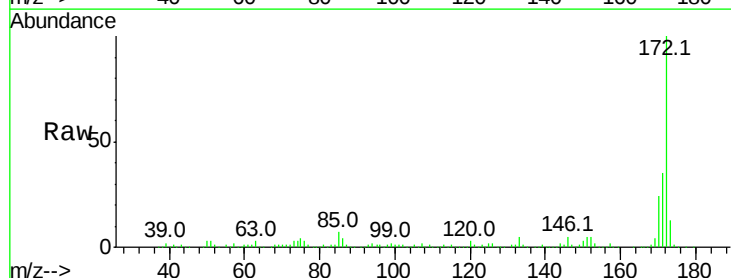


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

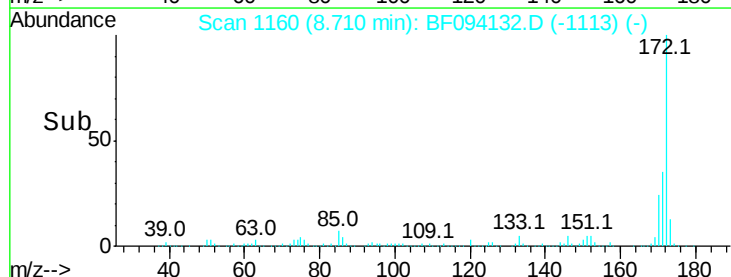
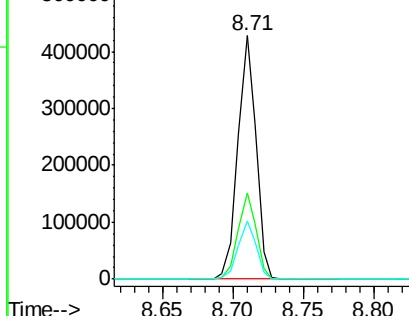


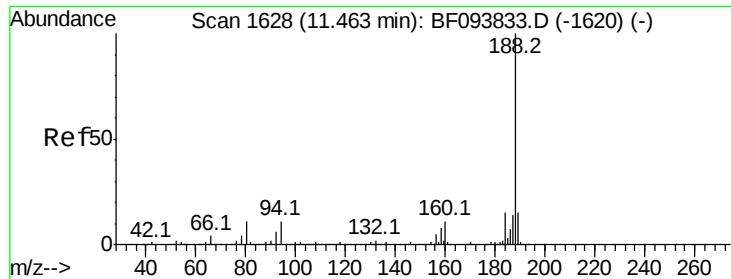
#44
 2-Fluorobiphenyl
 Concen: 24.44 ng
 RT: 8.71 min Scan# 1160
 Delta R.T. -0.02 min
 Lab File: BF094132.D
 Acq: 3 Apr 2017 20:27

Tgt Ion:172 Resp: 384108
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.6 44.4
 170 24.0 19.8 29.8



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

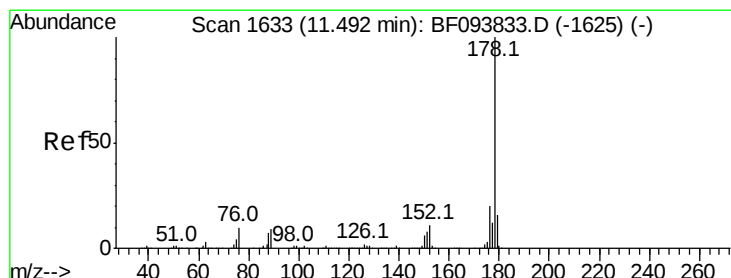
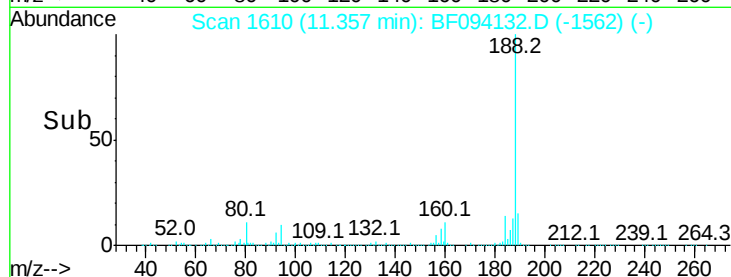
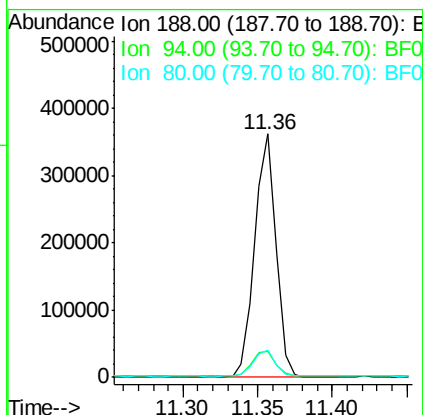
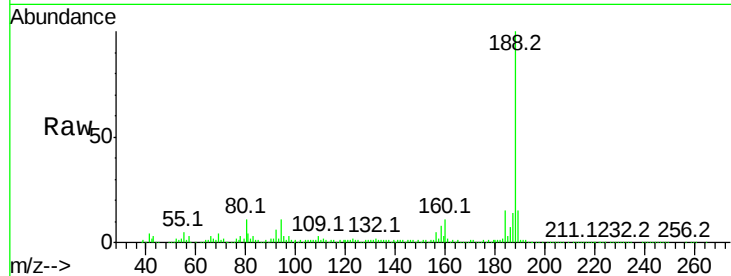




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.02 min
Lab File: BF094132.D
Acq: 3 Apr 2017 20:27

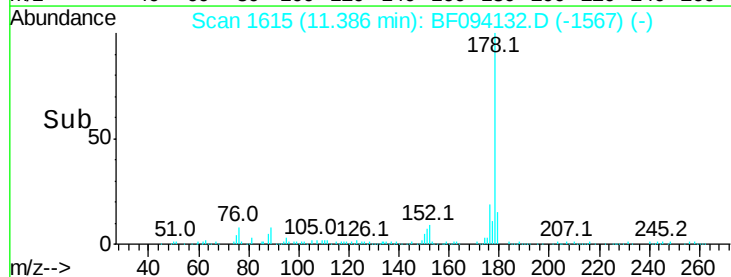
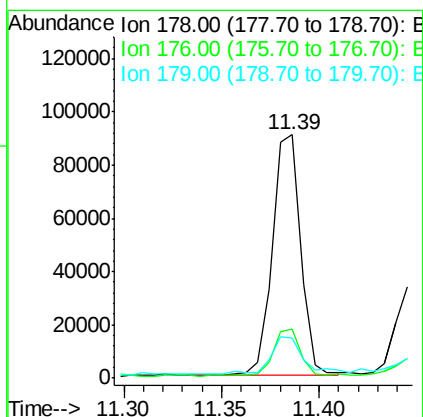
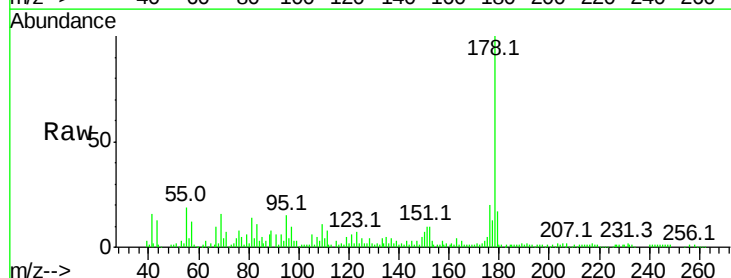
Instrument :
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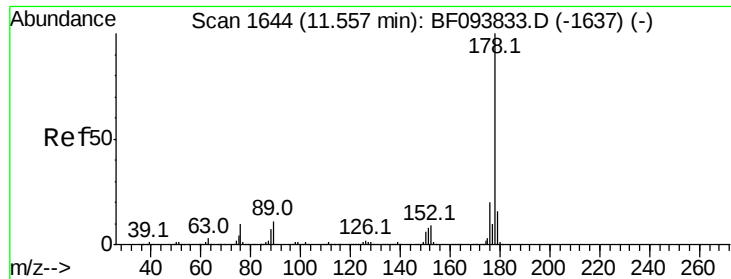
Tot Ion:188 Resp: 354718
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 11.2 10.2 15.2



#70
Phenanthrene
Concen: 4.59 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BF094132.D
Acq: 3 Apr 2017 20:27

Tgt Ion:178 Resp: 90564
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.4
179 16.6 12.6 19.0

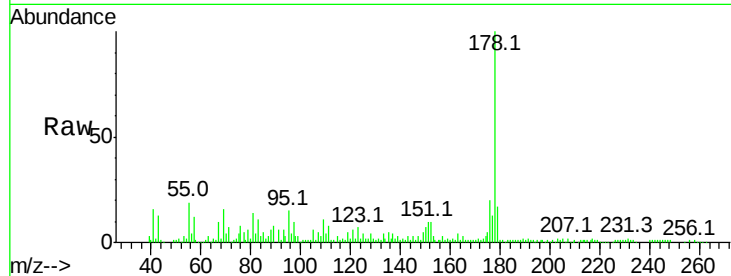




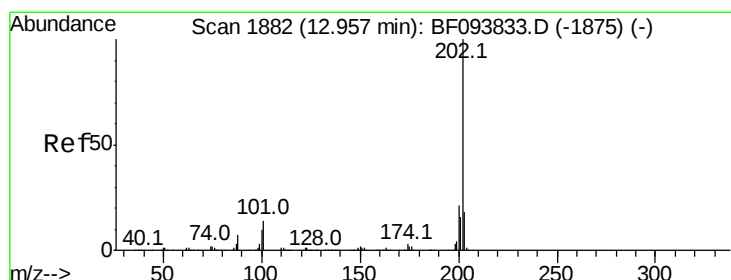
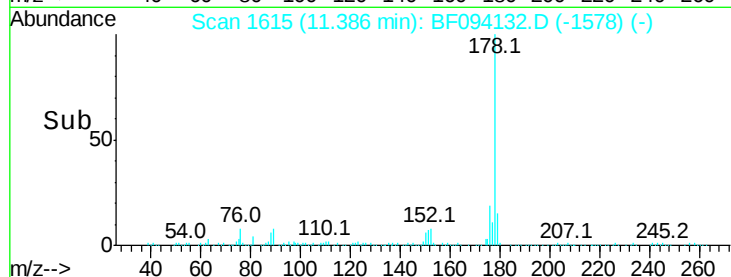
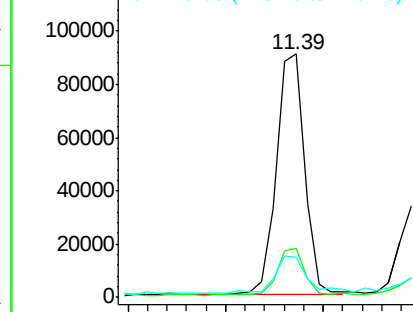
#71
 Anthracene
 Concen: 4.46 ng
 RT: 11.39 min Scan# 1615
 Delta R.T. -0.08 min
 Lab File: BF094132.D
 Acq: 3 Apr 2017 20:27

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP05-COMP

Tot Ion:178 Resp: 90564
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.8 23.8
 179 16.6 12.7 19.1

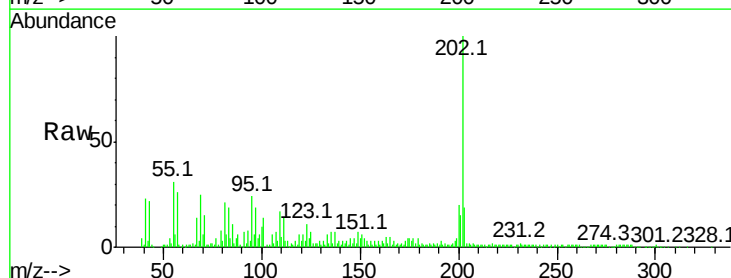


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

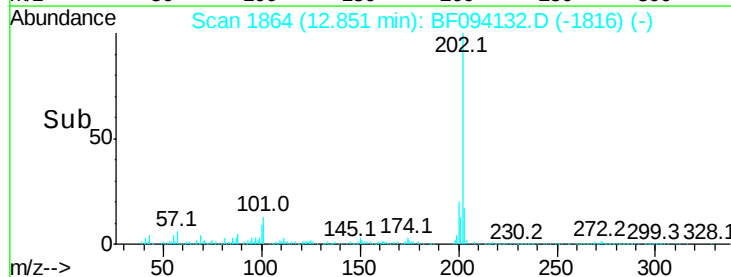
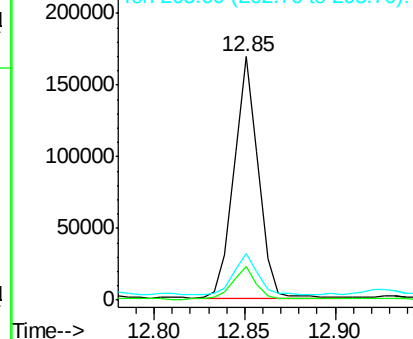


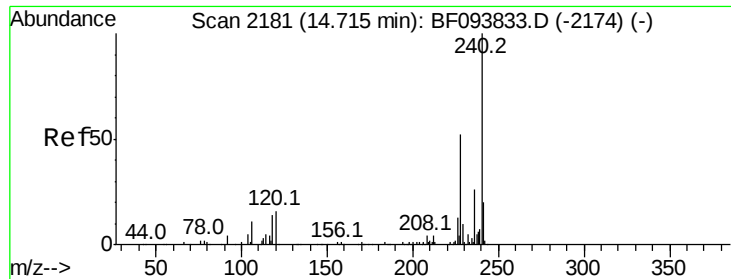
#74
 Fluoranthene
 Concen: 7.79 ng
 RT: 12.85 min Scan# 1864
 Delta R.T. -0.02 min
 Lab File: BF094132.D
 Acq: 3 Apr 2017 20:27

Tgt Ion:202 Resp: 157307
 Ion Ratio Lower Upper
 202 100
 101 13.7 0.0 33.2
 203 19.0 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: BF094132.D

Acq: 3 Apr 2017 20:27

Instrument :

BNA_F

ClientSampleId :

LSS-SP05-COMP

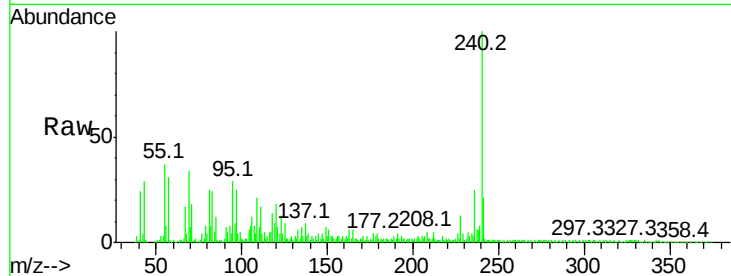
Tot Ion:240 Resp: 235907

Ion Ratio Lower Upper

240 100

120 17.9 5.8 8.8#

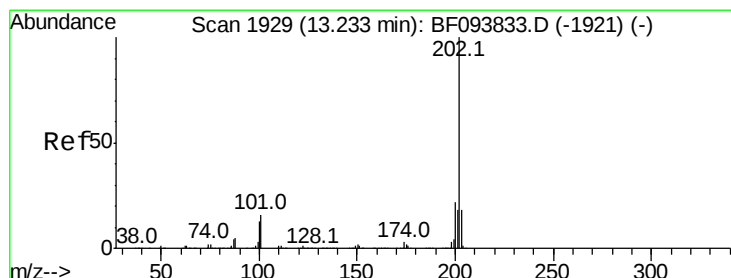
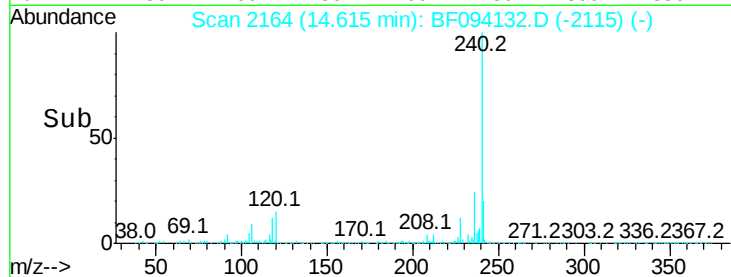
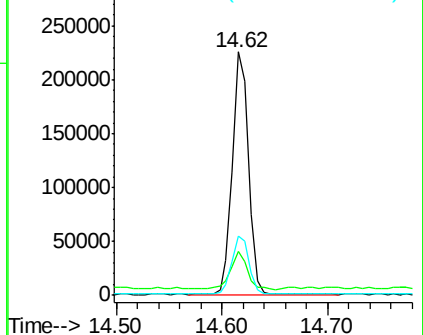
236 24.6 20.5 30.7



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: 9.64 ng

RT: 13.13 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BF094132.D

Acq: 3 Apr 2017 20:27

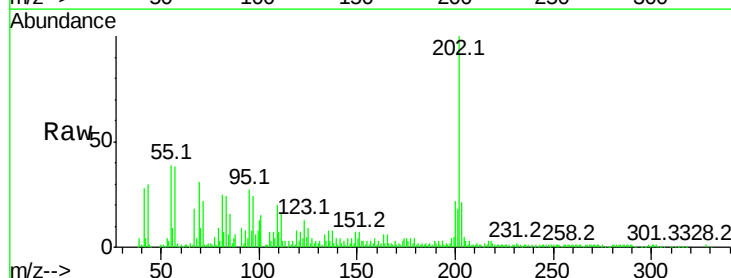
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Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

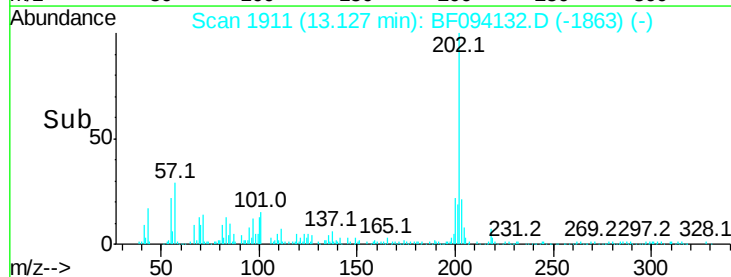
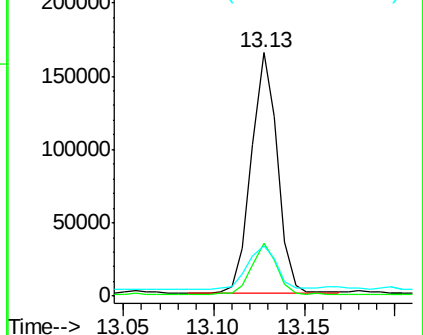
203 20.7 14.4 21.6

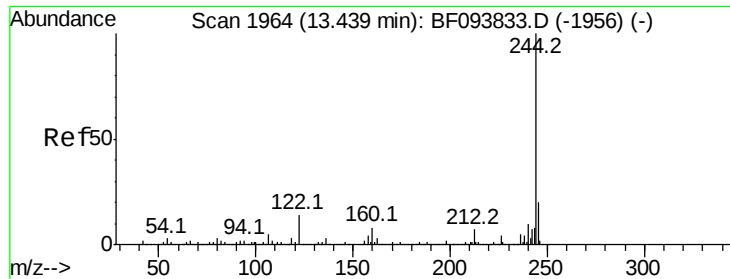


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 18.74 ng

RT: 13.33 min Scan# 1946

Delta R.T. -0.02 min

Lab File: BF094132.D

Acq: 3 Apr 2017 20:27

Instrument :

BNA_F

ClientSampleId :

LSS-SP05-COMP

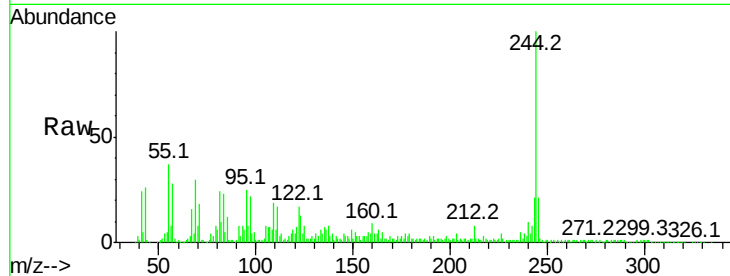
Tot Ion:244 Resp: 197204

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

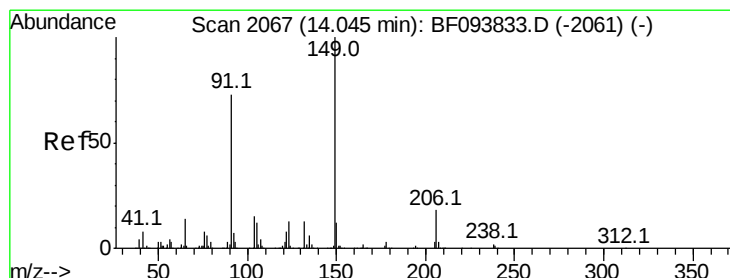
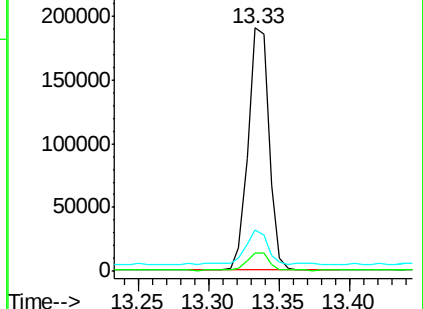
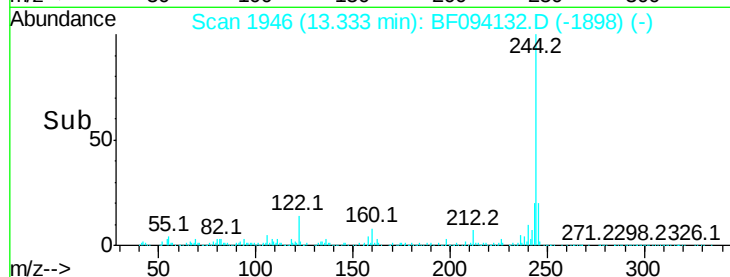
122 17.0 10.3 15.5#



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: 8.43 ng

RT: 13.95 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF094132.D

Acq: 3 Apr 2017 20:27

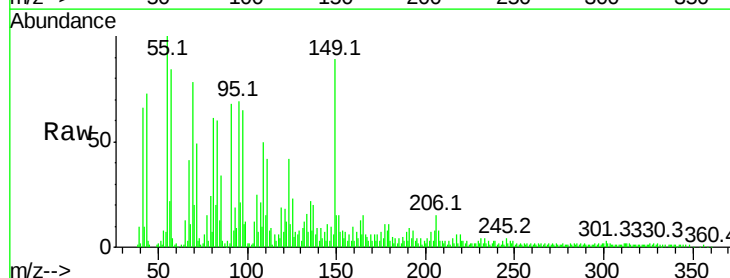
Tgt Ion:149 Resp: 61500

Ion Ratio Lower Upper

149 100

91 77.1 45.0 67.4#

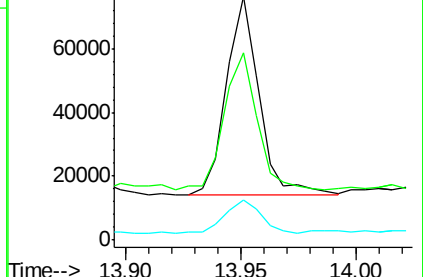
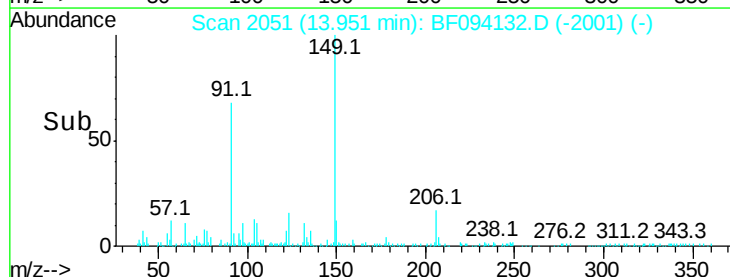
206 16.6 17.0 25.6#

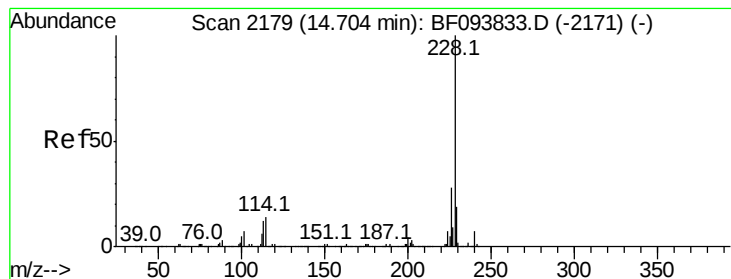


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 5.16 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BF094132.D

Acq: 3 Apr 2017 20:27

Instrument :

BNA_F

ClientSampleId :

LSS-SP05-COMP

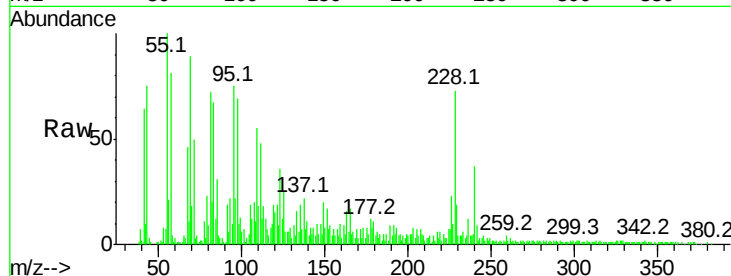
Tot Ion:228 Resp: 71038

Ion Ratio Lower Upper

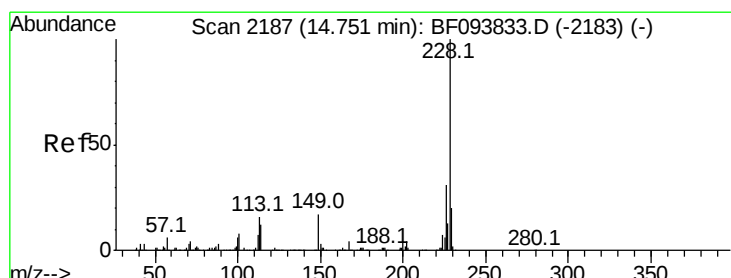
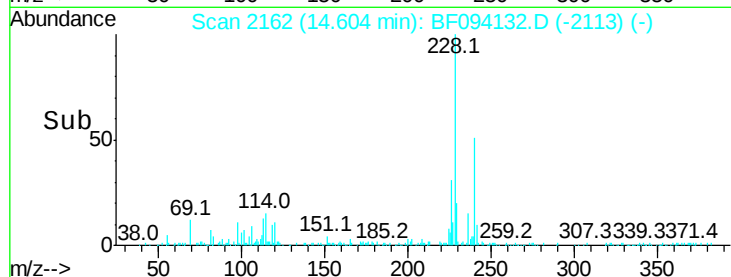
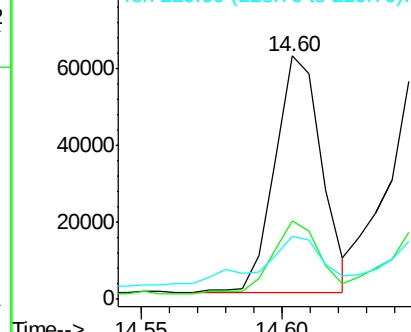
228 100

226 32.3 22.6 33.8

229 25.8 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: 5.77 ng

RT: 14.65 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BF094132.D

Acq: 3 Apr 2017 20:27

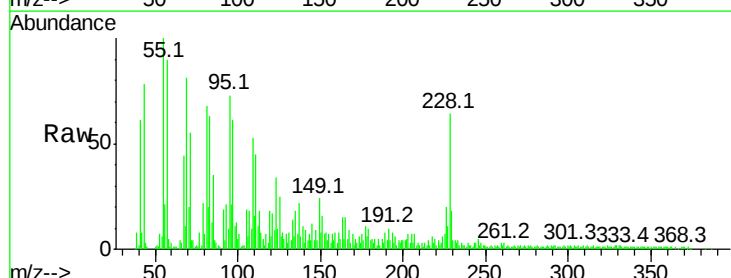
Tgt Ion:228 Resp: 73645

Ion Ratio Lower Upper

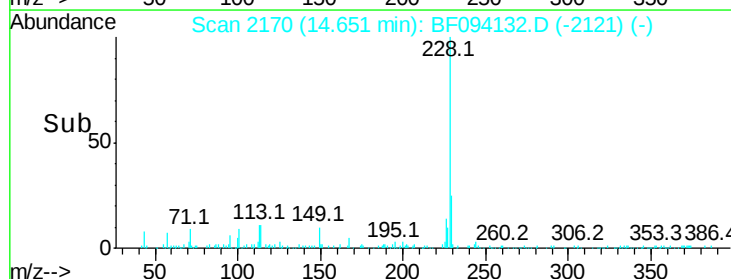
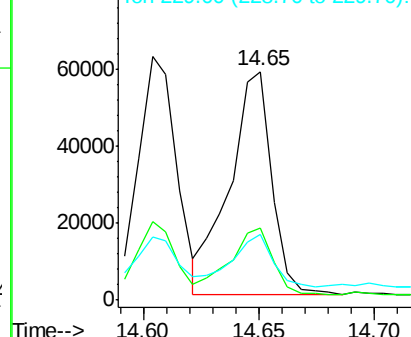
228 100

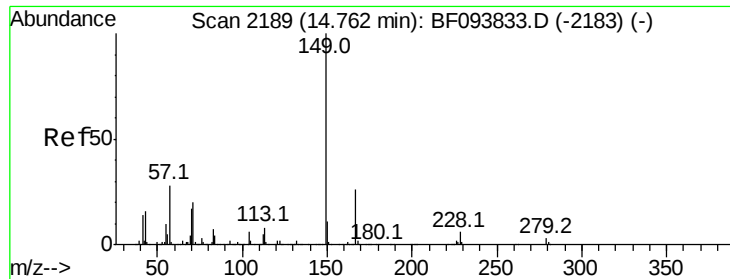
226 31.7 24.9 37.3

229 28.9 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

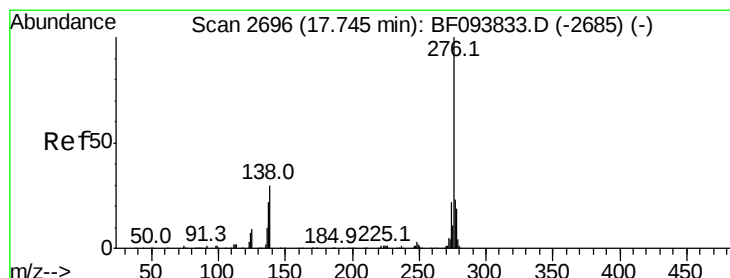
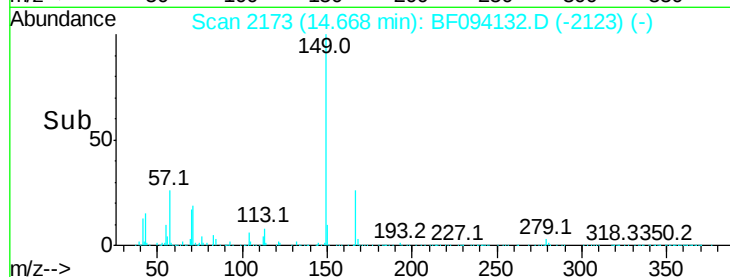
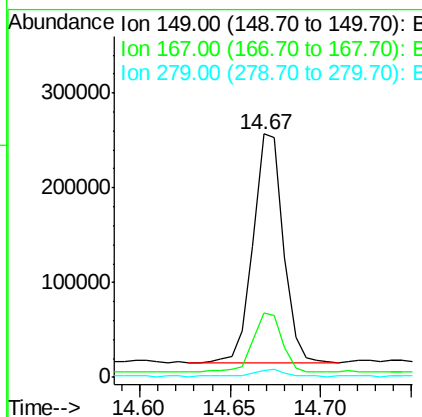
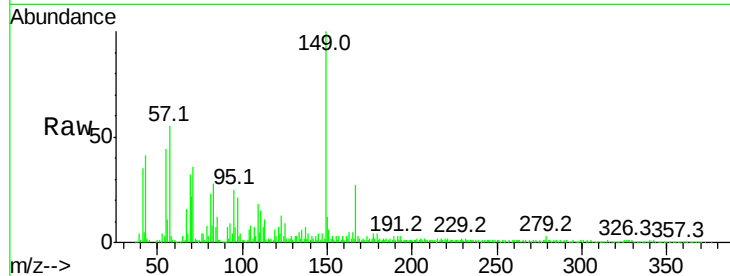




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 28.16 ng
 RT: 14.67 min Scan# 2173
 Delta R.T. -0.01 min
 Lab File: BF094132.D
 Acq: 3 Apr 2017 20:27

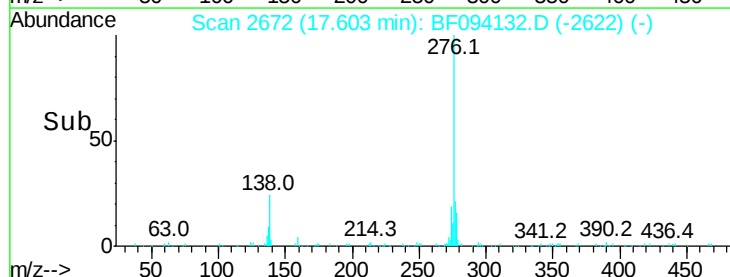
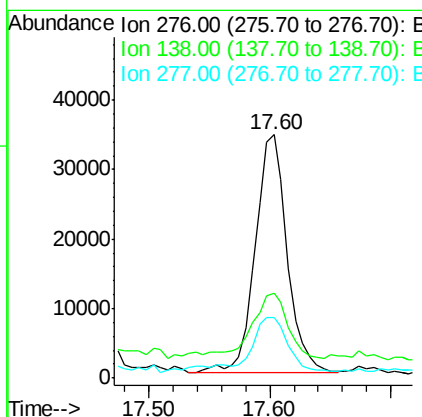
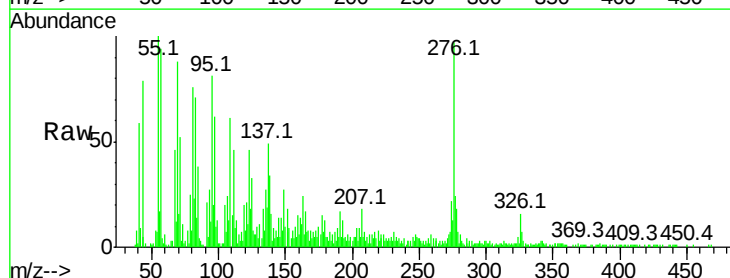
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP05-COMP

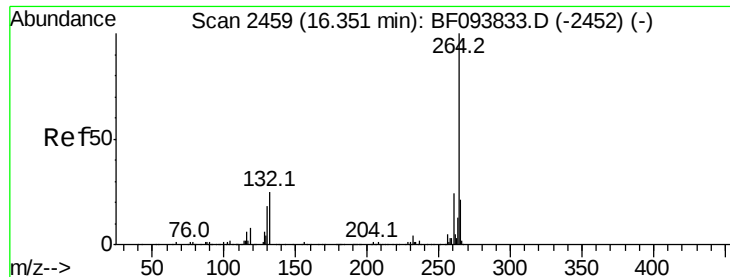
Tot Ion:149 Resp: 280214
 Ion Ratio Lower Upper
 149 100
 167 26.5 21.0 31.4
 279 3.0 1.9 2.9#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.69 ng
 RT: 17.60 min Scan# 2672
 Delta R.T. -0.01 min
 Lab File: BF094132.D
 Acq: 3 Apr 2017 20:27

Tgt Ion:276 Resp: 62865
 Ion Ratio Lower Upper
 276 100
 138 31.6 27.8 41.6
 277 28.5 20.2 30.4



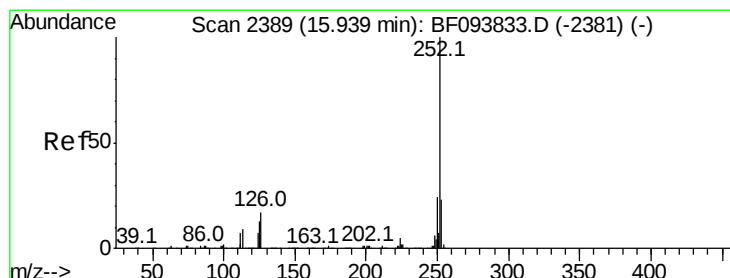
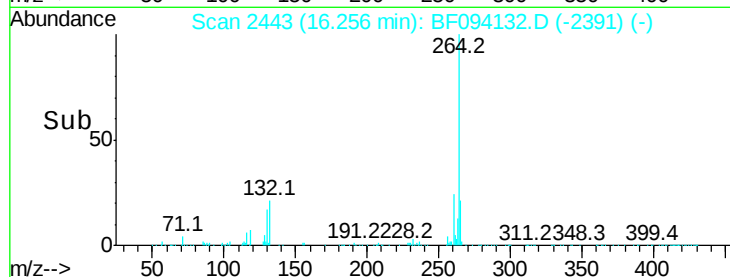
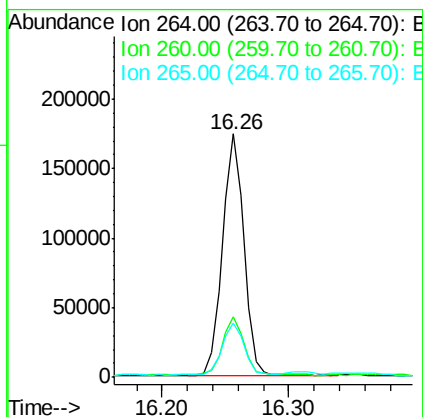
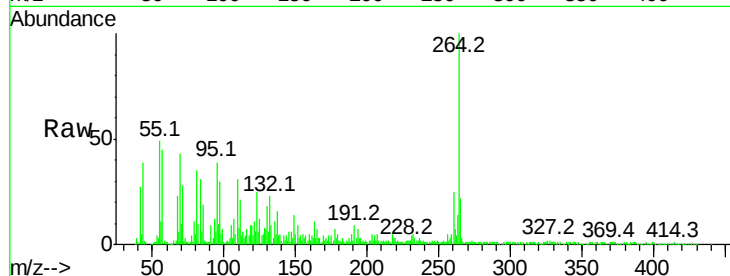


#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.26 min Scan# 2443
Delta R.T. 0.01 min
Lab File: BF094132.D
Acq: 3 Apr 2017 20:27

Instrument :
BNA_F
ClientSampleId :
LSS-SP05-COMP

Tot Ion:264 Resp: 206023

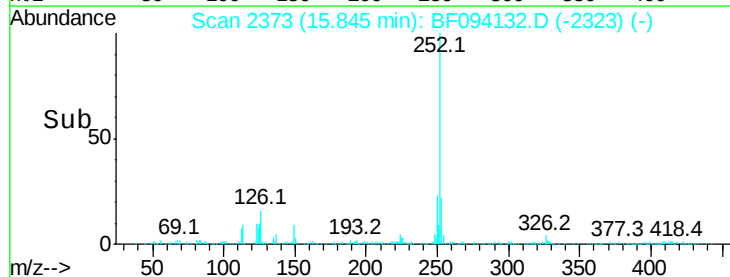
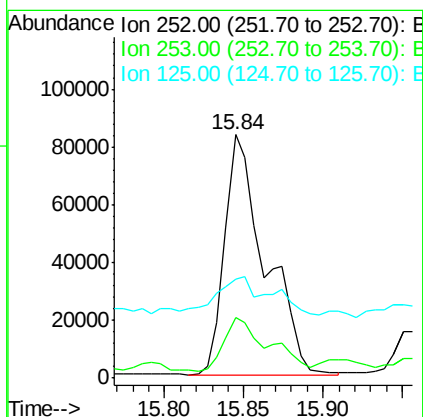
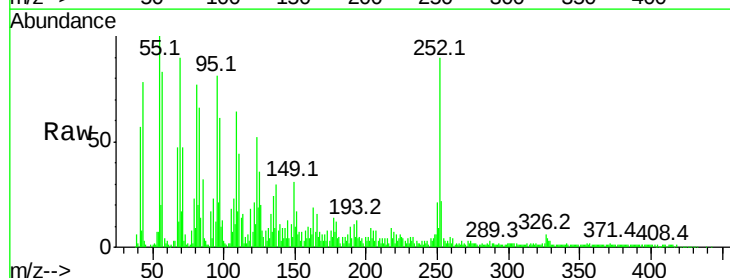
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	22.2	17.2	25.8

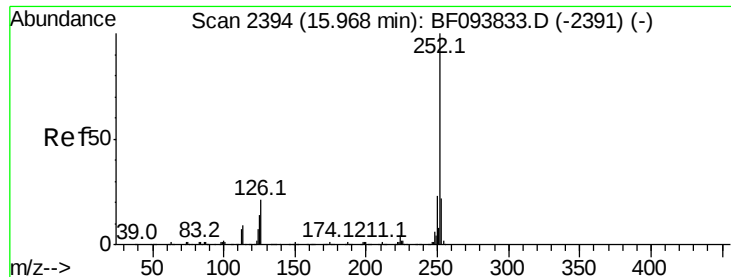


#87
Benzo(b)fluoranthene
Concen: 11.81 ng
RT: 15.84 min Scan# 2373
Delta R.T. -0.01 min
Lab File: BF094132.D
Acq: 3 Apr 2017 20:27

Tgt Ion:252 Resp: 149191

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.1	27.1
125	40.4	9.8	14.8

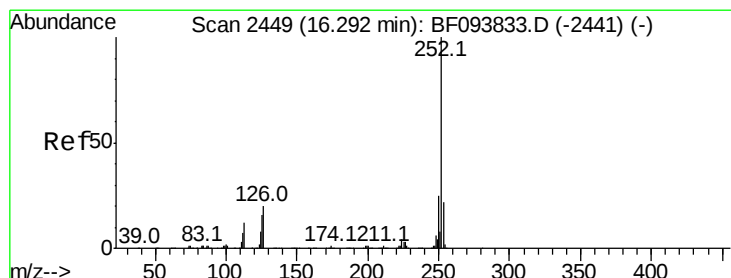
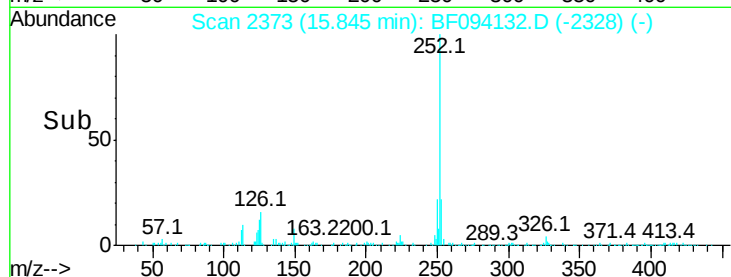
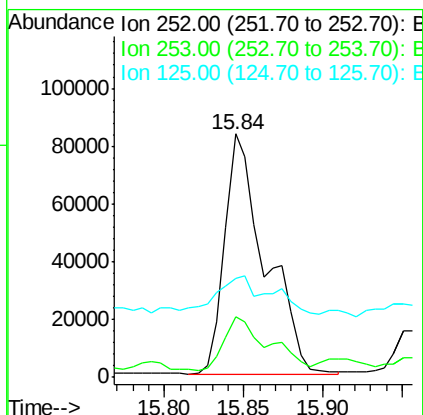
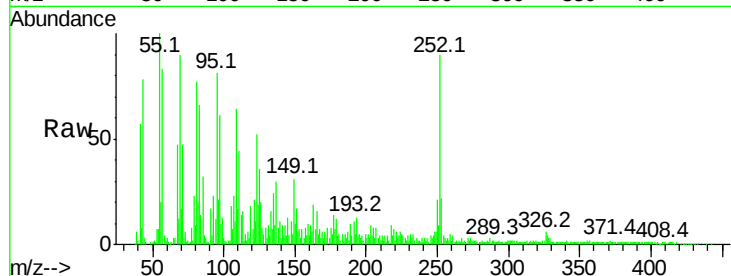




#88
Benzo(k)fluoranthene
Concen: 12.07 ng
RT: 15.84 min Scan# 2373
Delta R.T. -0.04 min
Lab File: BF094132.D
Acq: 3 Apr 2017 20:27

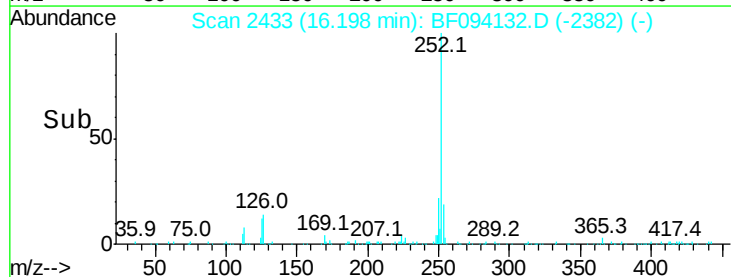
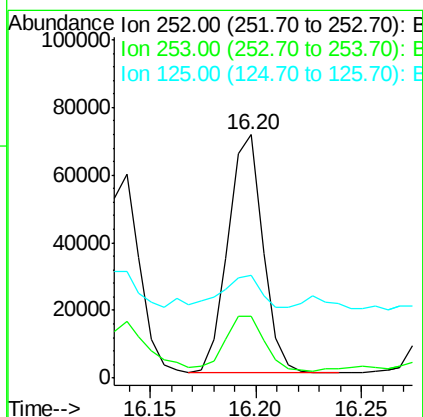
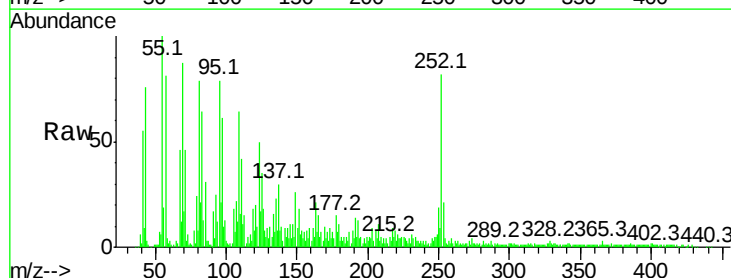
Instrument :
BNA_F
ClientSampleId :
LSS-SP05-COMP

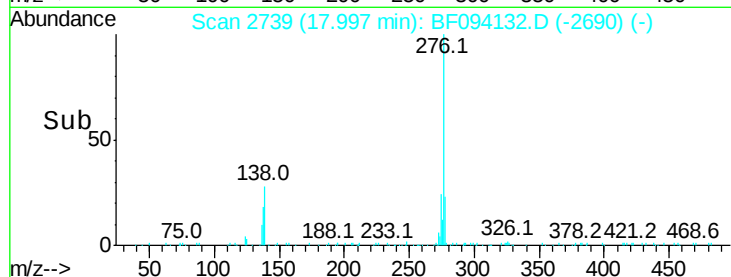
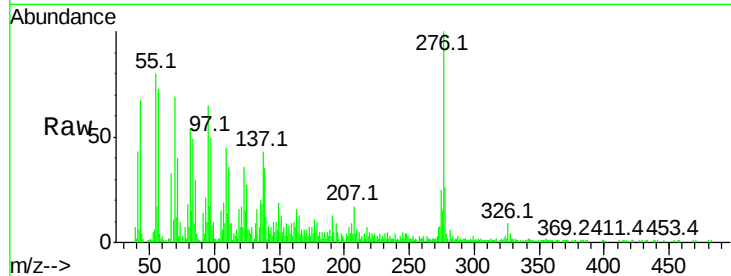
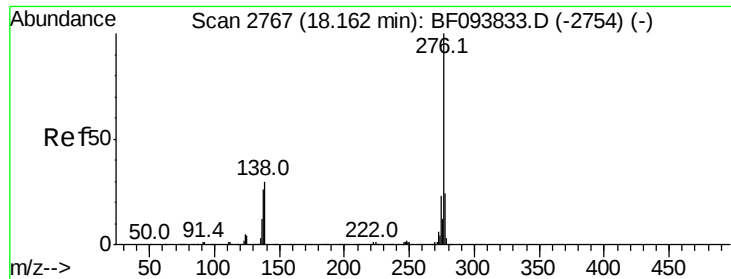
Tot Ion:252 Resp: 149191
Ion Ratio Lower Upper
252 100
253 25.0 18.4 27.6
125 40.4 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 6.92 ng
RT: 16.20 min Scan# 2433
Delta R.T. -0.00 min
Lab File: BF094132.D
Acq: 3 Apr 2017 20:27

Tgt Ion:252 Resp: 80524
Ion Ratio Lower Upper
252 100
253 25.2 17.5 26.3
125 42.0 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 7.33 ng

RT: 18.00 min Scan# 2739

Delta R.T. -0.01 min

Lab File: BF094132.D

Acq: 3 Apr 2017 20:27

Instrument :

BNA_F

ClientSampleId :

LSS-SP05-COMP

Tot Ion:276 Resp: 72751

Ion Ratio Lower Upper

276 100

277 25.6 18.6 28.0

138 35.0 25.4 38.0

