

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094133.D
 Acq On : 3 Apr 2017 20:55
 Operator : SJ/MA
 Sample : I2493-04 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP06-COMP

Quant Time: Apr 04 01:06:41 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

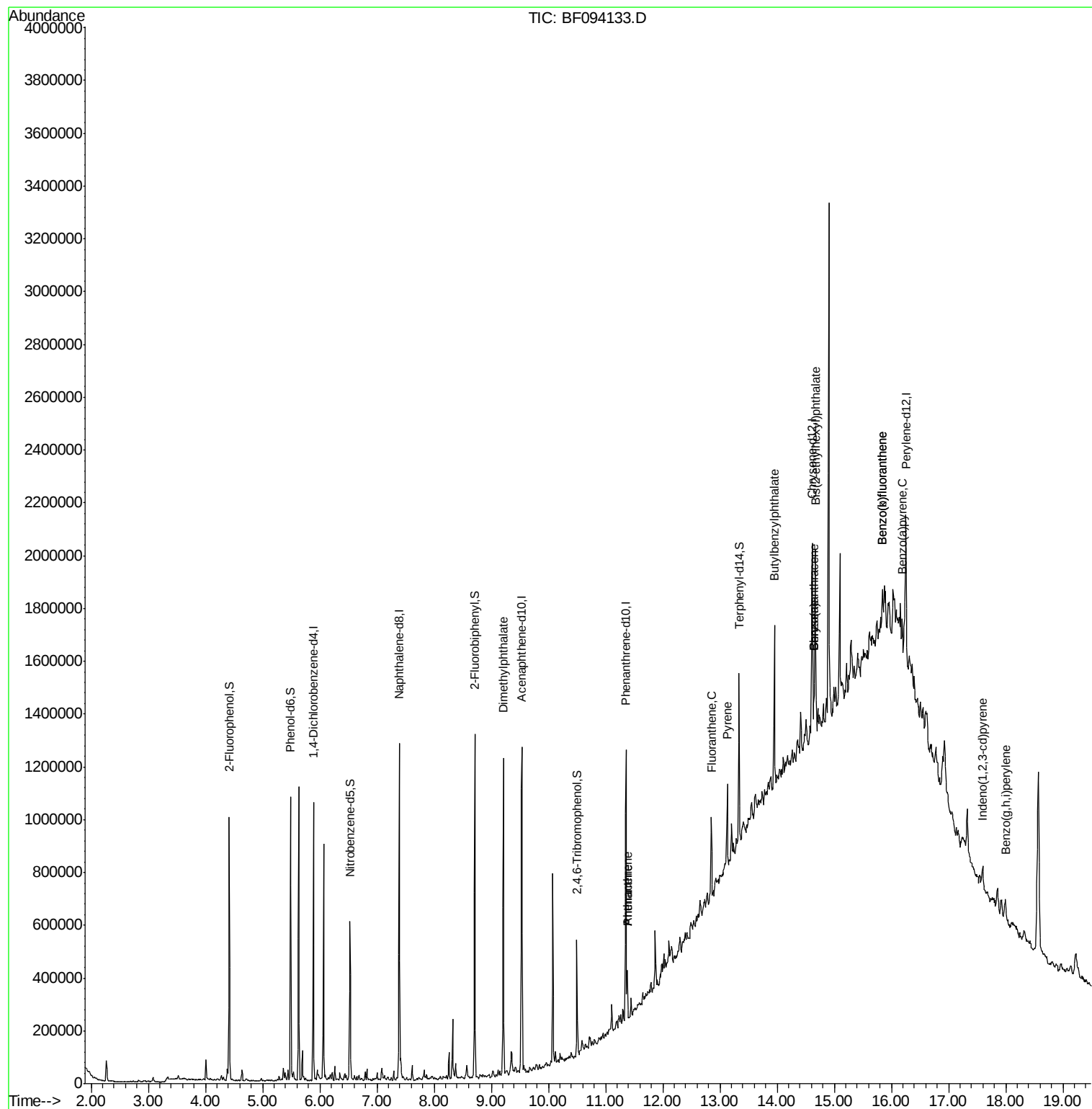
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	165562	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	643316	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	264263	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	389300	20.00	ng	-0.02
75) Chrysene-d12	14.62	240	290795	20.00	ng	-0.01
86) Perylene-d12	16.25	264	237562	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.42	112	286200	29.20	ng	-0.02
7) Phenol-d6	5.49	99	354337	29.22	ng	-0.02
23) Nitrobenzene-d5	6.53	82	184044	16.33	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	51938	24.87	ng	-0.02
44) 2-Fluorobiphenyl	8.71	172	392291	22.64	ng	-0.02
78) Terphenyl-d14	13.33	244	214911	16.57	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.21	163	540062	28.75	ng	100
70) Phenanthrene	11.38	178	73702	3.40	ng	97
71) Anthracene	11.38	178	73702	3.31	ng	98
74) Fluoranthene	12.85	202	141045	6.36	ng	98
77) Pyrene	13.13	202	133468	6.32	ng	98
79) Butylbenzylphthalate	13.95	149	185548	20.63	ng	# 85
80) Benzo(a)anthracene	14.64	228	67876	4.00	ng	95
82) Chrysene	14.64	228	67876	4.31	ng	# 95
83) Bis(2-ethylhexyl)phthalate	14.67	149	258763	21.09	ng	# 99
85) Indeno(1,2,3-cd)pyrene	17.59	276	50056	3.67	ng	93
87) Benzo(b)fluoranthene	15.84	252	131163	9.01	ng	# 77
88) Benzo(k)fluoranthene	15.84	252	131163	9.21	ng	# 80
89) Benzo(a)pyrene	16.19	252	69452	5.18	ng	# 74
91) Benzo(a,h,i)perylene	17.99	276	62149	5.43	ng	96

(#) = 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: BF094133.D

Acq: 3 Apr 2017 20:55

Instrument :

BNA_F

ClientSampleId :

LSS-SP06-COMP

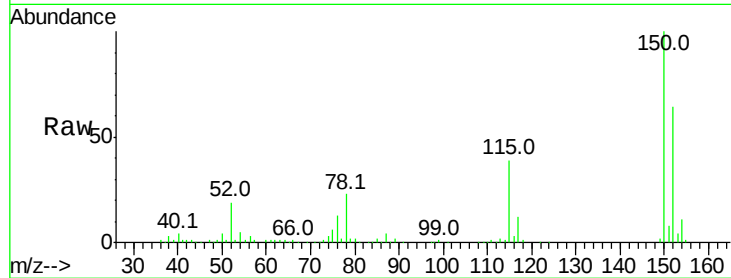
Tot Ion:152 Resp: 165562

Ion Ratio Lower Upper

152 100

150 157.2 126.2 189.2

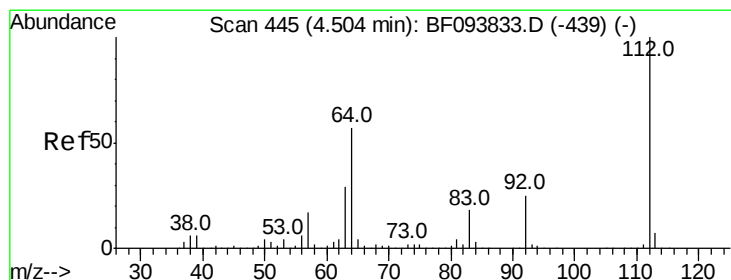
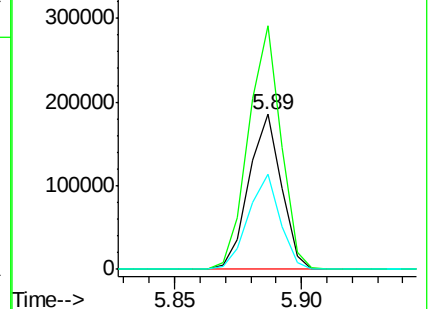
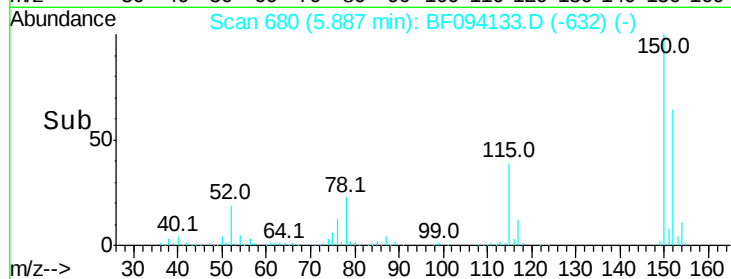
115 61.3 52.2 78.2



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: 29.20 ng

RT: 4.42 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF094133.D

Acq: 3 Apr 2017 20:55

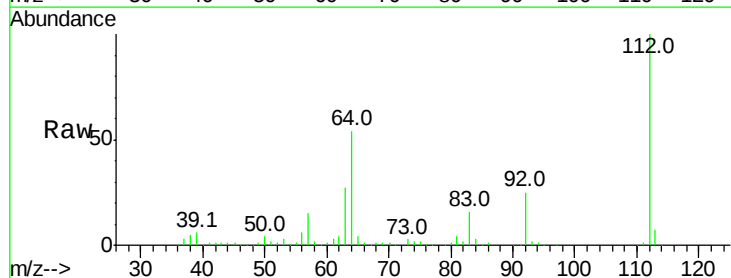
Tgt Ion:112 Resp: 286200

Ion Ratio Lower Upper

112 100

64 54.0 46.0 69.0

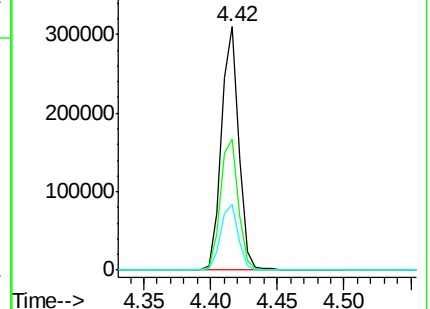
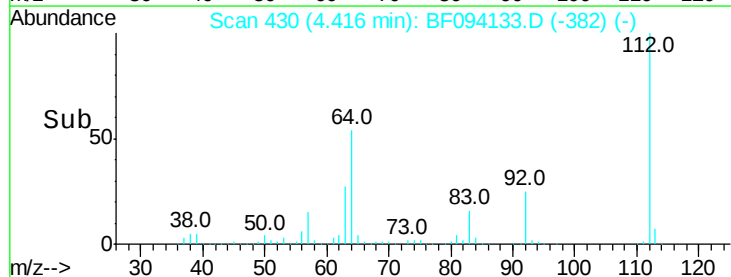
63 26.9 23.4 35.0

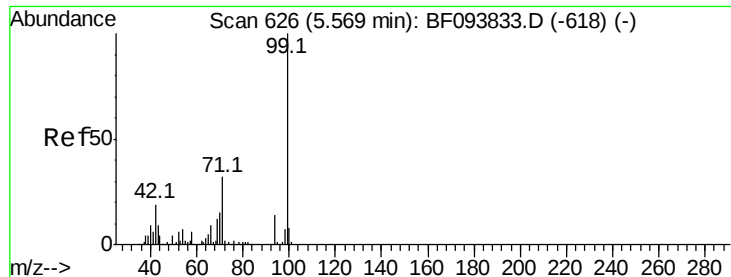


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 29.22 ng

RT: 5.49 min Scan# 612

Delta R.T. -0.02 min

Lab File: BF094133.D

Acq: 3 Apr 2017 20:55

Instrument :

BNA_F

ClientSampleId :

LSS-SP06-COMP

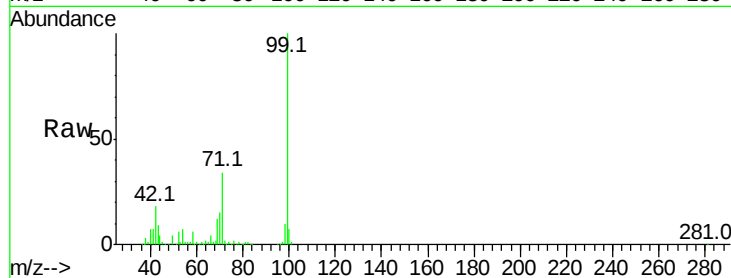
Tot Ion: 99 Resp: 354337

Ion Ratio Lower Upper

99 100

42 18.0 13.5 20.3

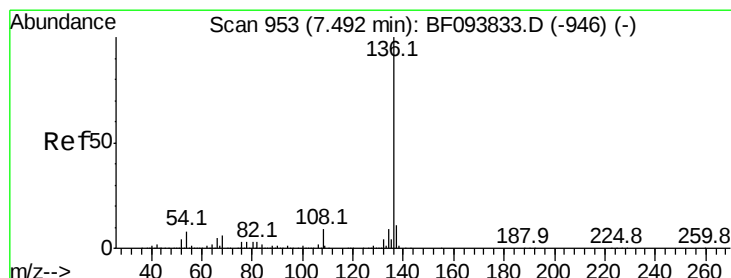
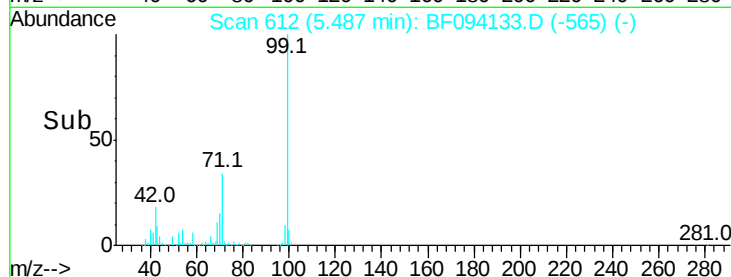
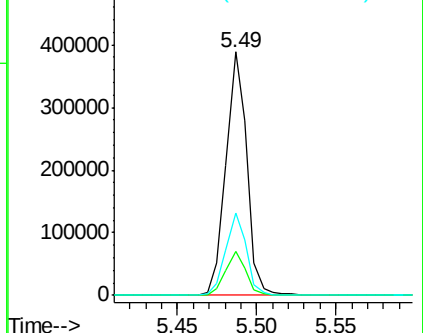
71 33.8 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF094133.D

Acq: 3 Apr 2017 20:55

Tgt Ion: 136 Resp: 643316

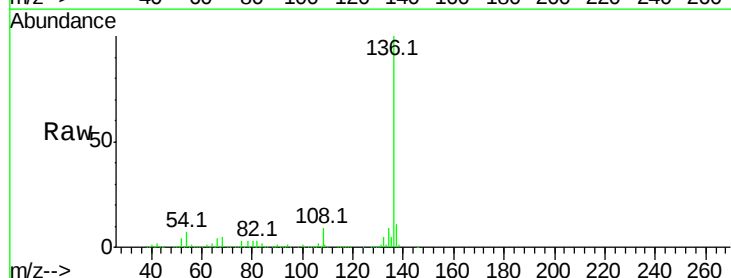
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.8 4.9 7.3

68 5.1 4.1 6.1

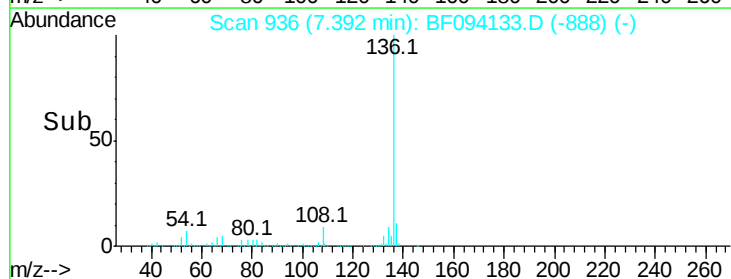
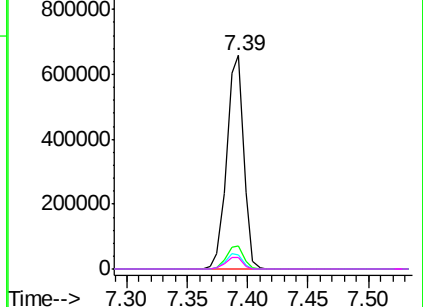


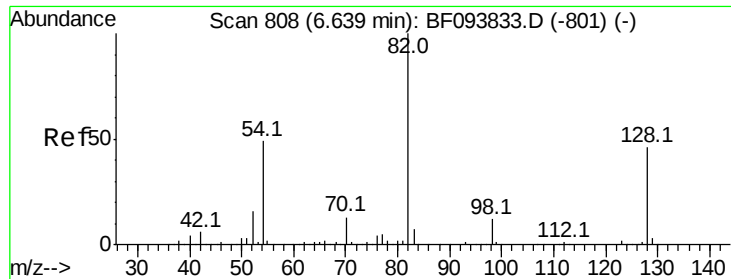
Abundance Ion 136.00 (135.70 to 136.70): E

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

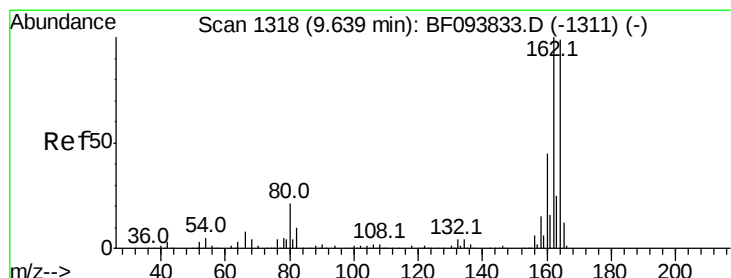
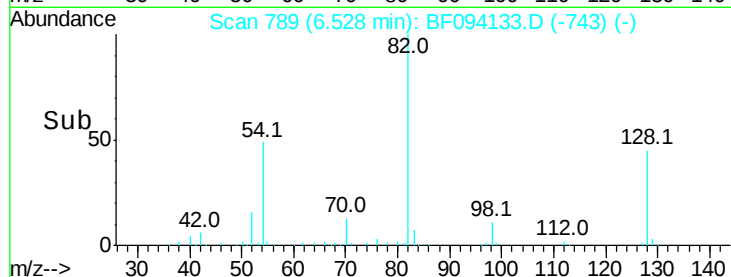
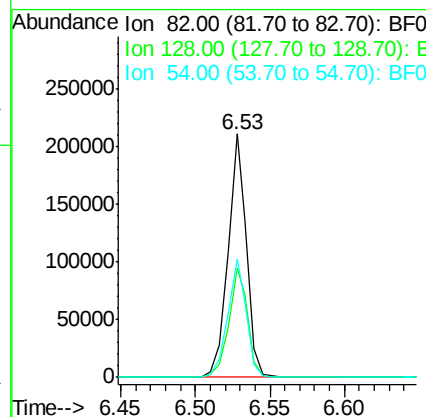
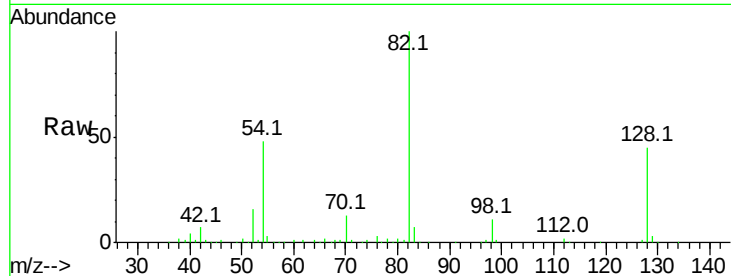




#23
 Nitrobenzene-d5
 Concen: 16.33 ng
 RT: 6.53 min Scan# 789
 Delta R.T. -0.03 min
 Lab File: BF094133.D
 Acq: 3 Apr 2017 20:55

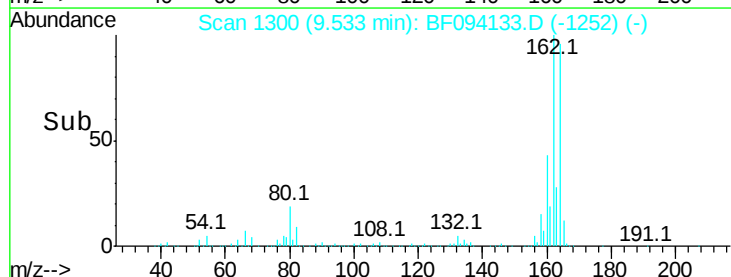
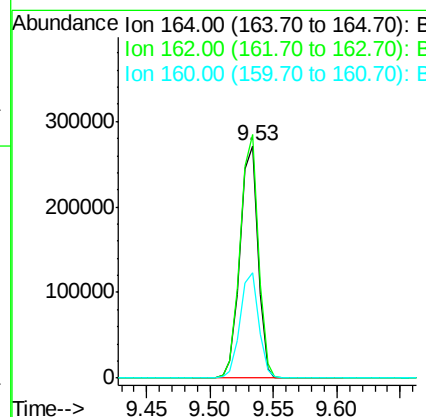
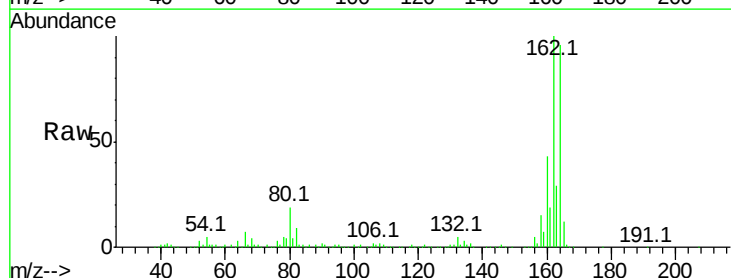
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP06-COMP

Tot Ion: 82 Resp: 184044
 Ion Ratio Lower Upper
 82 100
 128 44.8 34.0 51.0
 54 48.4 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF094133.D
 Acq: 3 Apr 2017 20:55

Tgt Ion:164 Resp: 264263
 Ion Ratio Lower Upper
 164 100
 162 104.7 82.6 123.8
 160 45.2 36.2 54.2

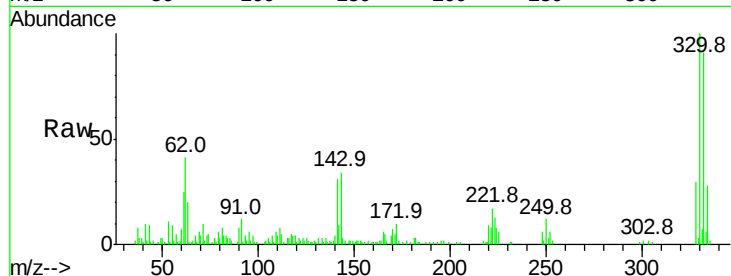




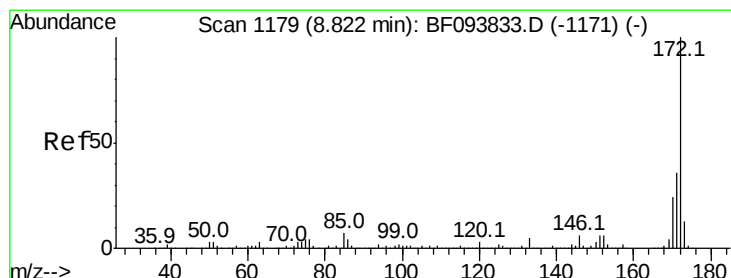
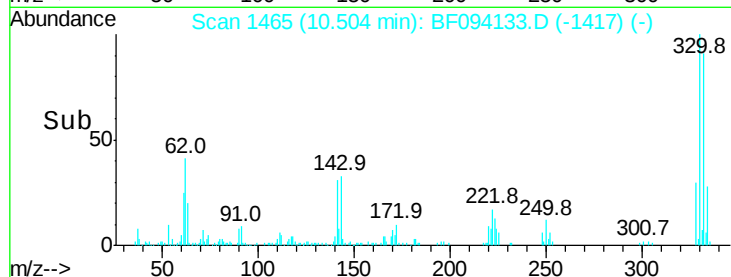
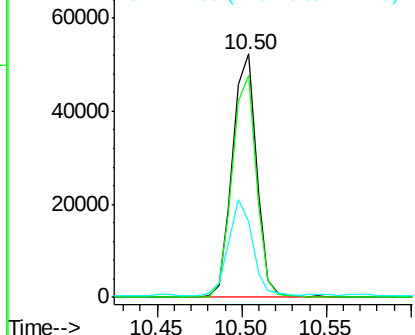
#41
 2,4,6-Tribromophenol
 Concen: 24.87 ng
 RT: 10.50 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BF094133.D
 Acq: 3 Apr 2017 20:55

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP06-COMP

Tot Ion:330 Resp: 51938
 Ion Ratio Lower Upper
 330 100
 332 92.0 76.6 115.0
 141 39.1 31.4 47.2

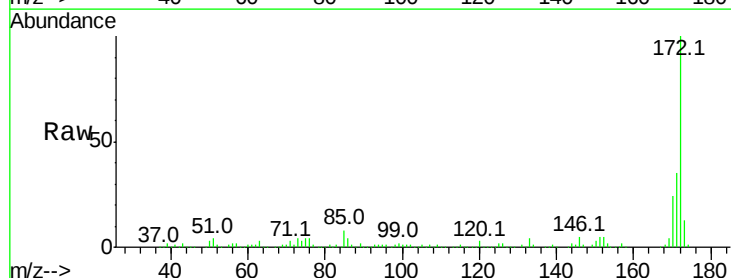


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

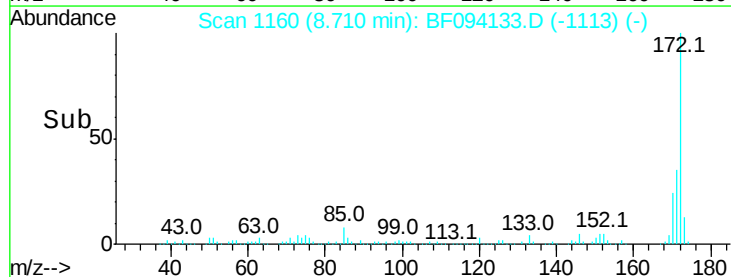
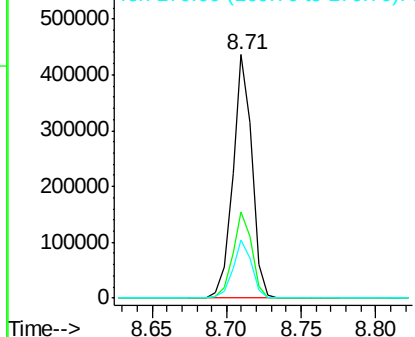


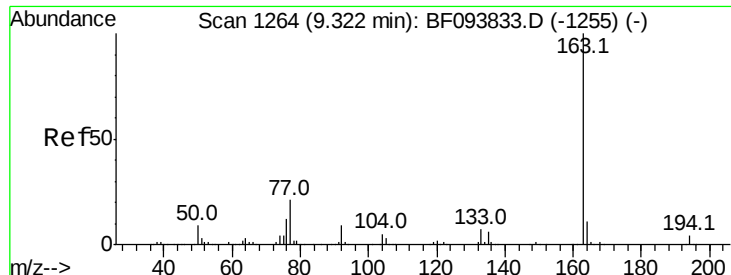
#44
 2-Fluorobiphenyl
 Concen: 22.64 ng
 RT: 8.71 min Scan# 1160
 Delta R.T. -0.02 min
 Lab File: BF094133.D
 Acq: 3 Apr 2017 20:55

Tgt Ion:172 Resp: 392291
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.6 44.4
 170 23.6 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

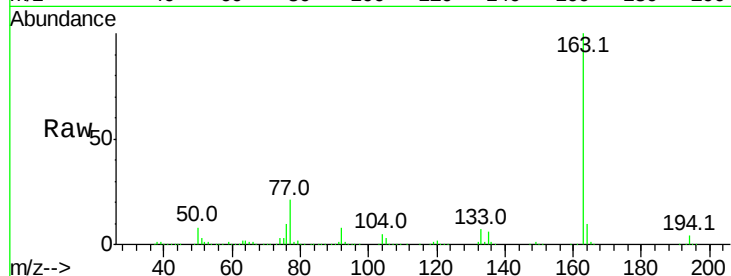




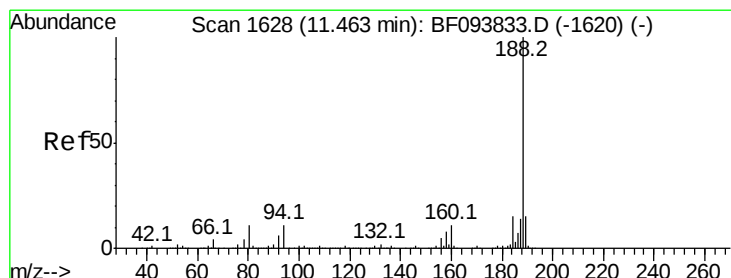
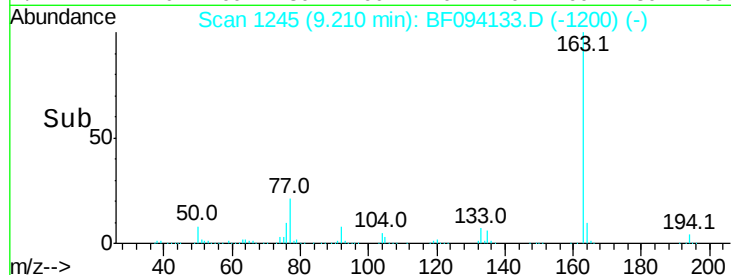
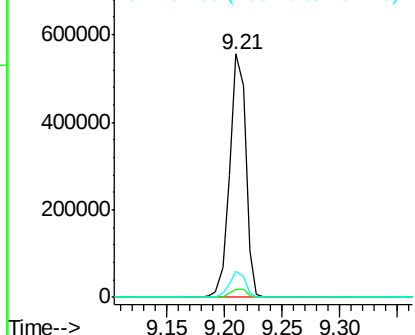
#49
Dimethylphthalate
Concen: 28.75 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.04 min
Lab File: BF094133.D
Acq: 3 Apr 2017 20:55

Instrument :
BNA_F
ClientSampleId :
LSS-SP06-COMP

Tot Ion:163 Resp: 540062
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.5 8.4 12.6

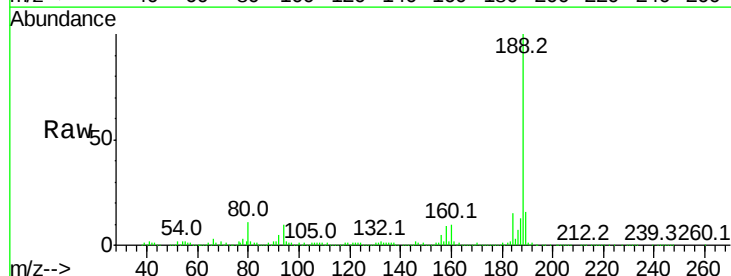


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

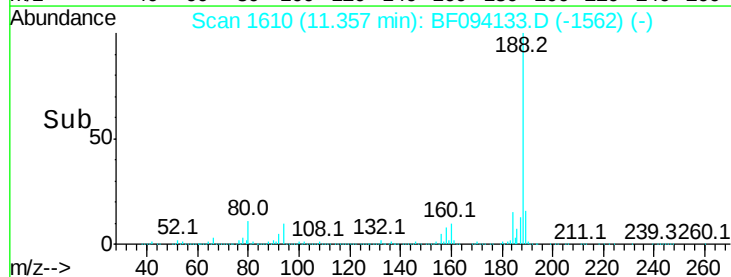
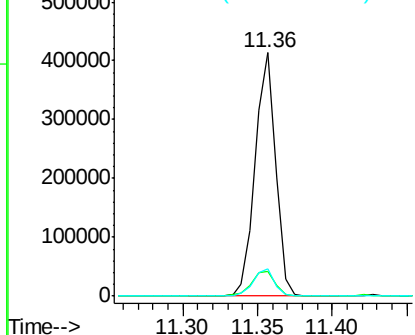


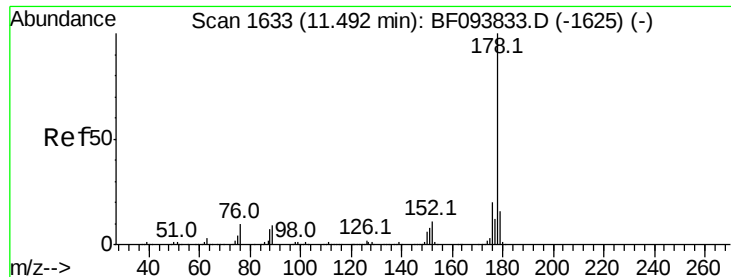
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.02 min
Lab File: BF094133.D
Acq: 3 Apr 2017 20:55

Tgt Ion:188 Resp: 389300
Ion Ratio Lower Upper
188 100
94 10.3 9.4 14.2
80 11.2 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: 3.40 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.02 min

Lab File: BF094133.D

Acq: 3 Apr 2017 20:55

Instrument :

BNA_F

ClientSampleId :

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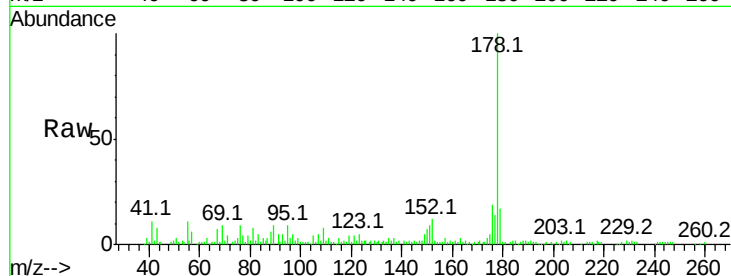
Tot Ion:178 Resp: 73702

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.4

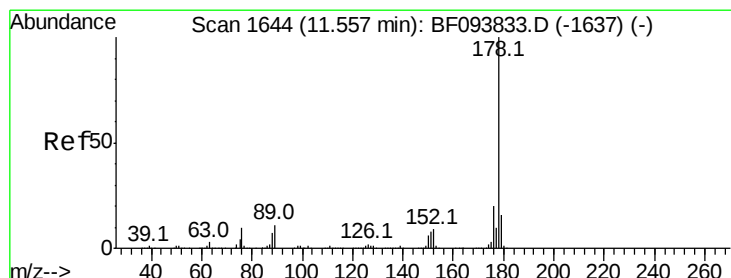
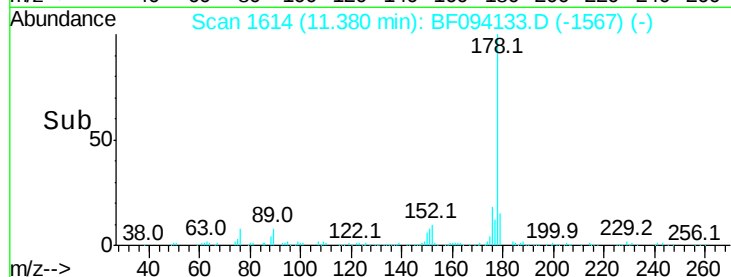
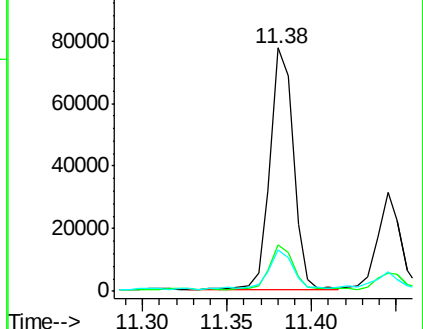
179 17.2 12.6 19.0



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: 3.31 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.09 min

Lab File: BF094133.D

Acq: 3 Apr 2017 20:55

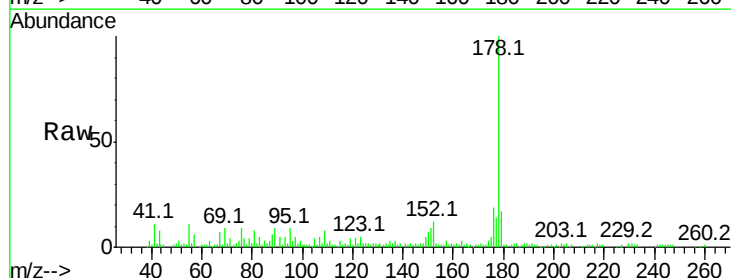
Tgt Ion:178 Resp: 73702

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

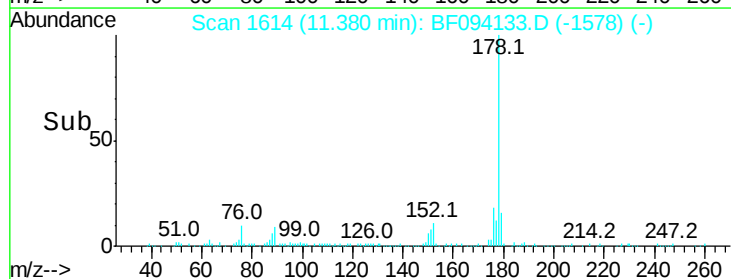
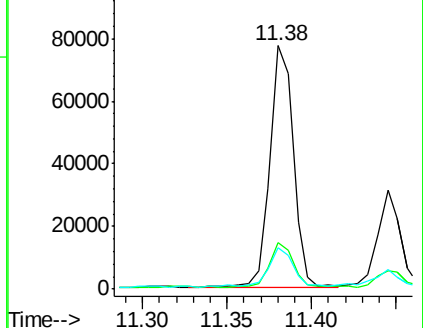
179 17.2 12.7 19.1

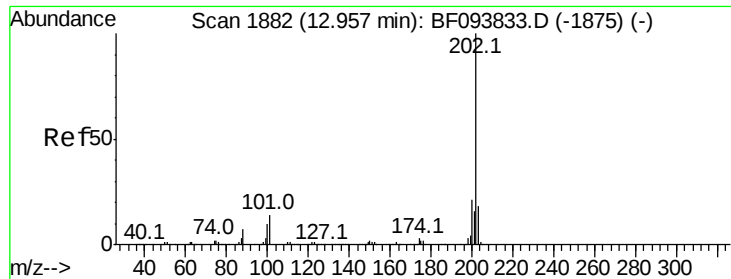


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.36 ng

RT: 12.85 min Scan# 1864

Delta R.T. -0.02 min

Lab File: BF094133.D

Acq: 3 Apr 2017 20:55

Instrument :

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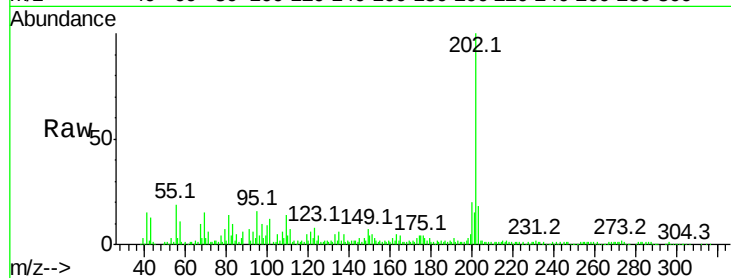
Tot Ion:202 Resp: 141045

Ion Ratio Lower Upper

202 100

101 12.0 0.0 33.2

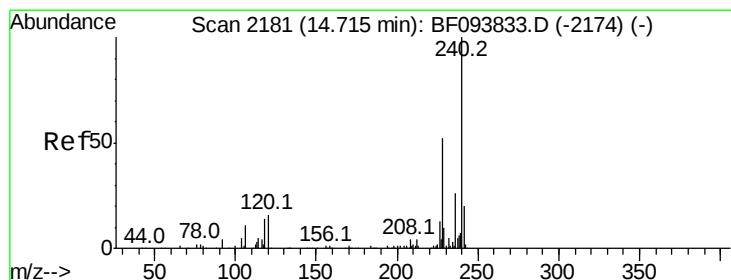
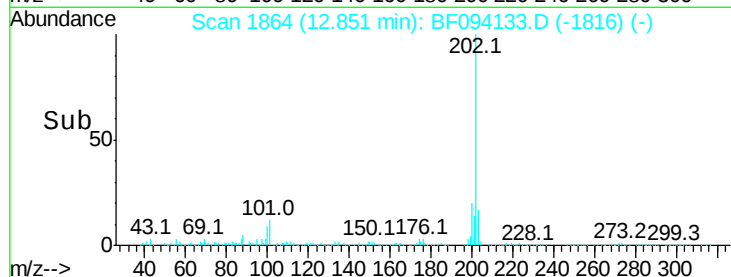
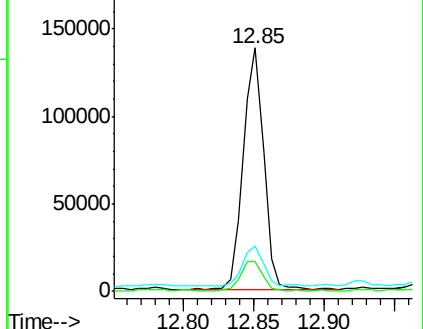
203 18.5 0.0 38.1



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: BF094133.D

Acq: 3 Apr 2017 20:55

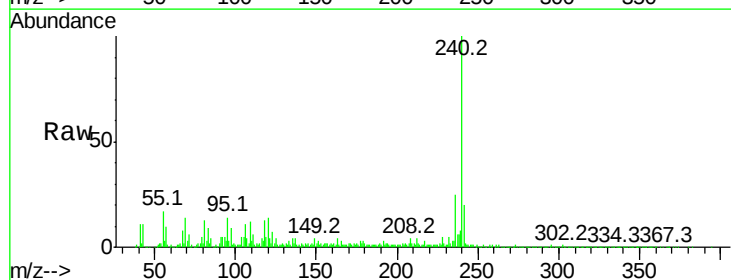
Tgt Ion:240 Resp: 290795

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

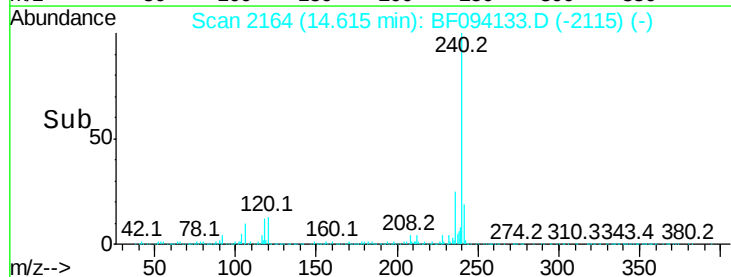
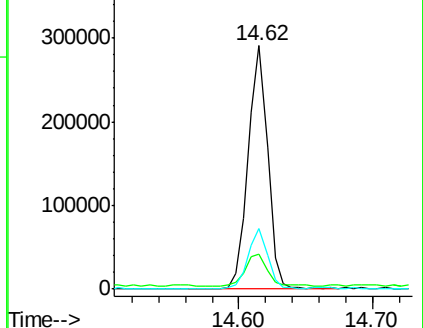
236 24.8 20.5 30.7

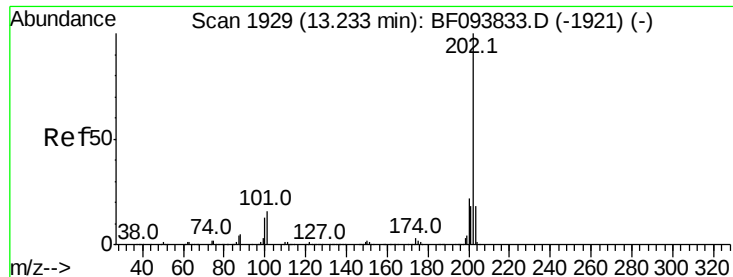


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.32 ng

RT: 13.13 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BF094133.D

Acq: 3 Apr 2017 20:55

Instrument :

BNA_F

ClientSampleId :

LSS-SP06-COMP

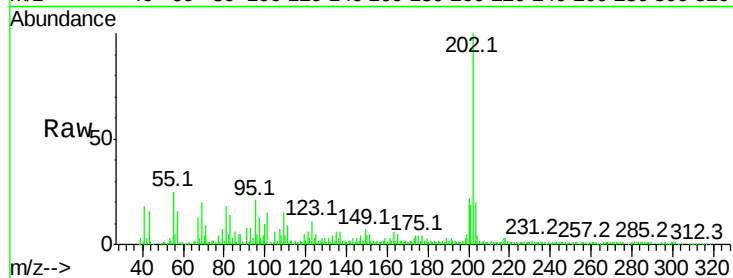
Tot Ion:202 Resp: 133468

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

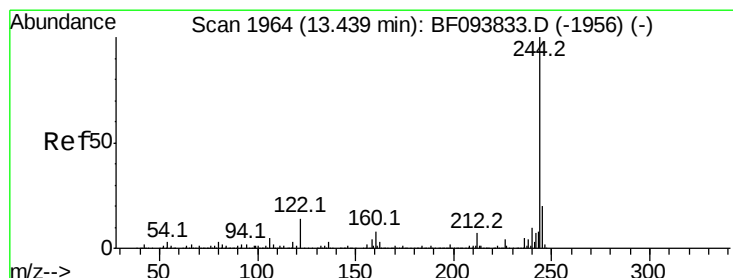
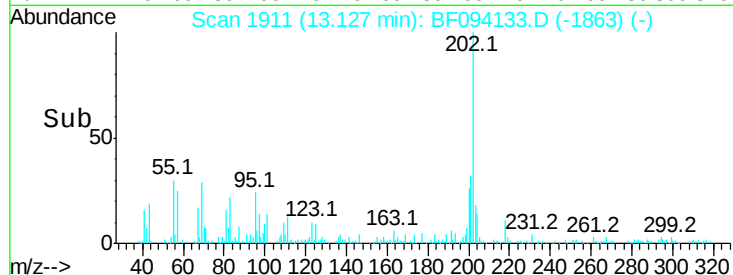
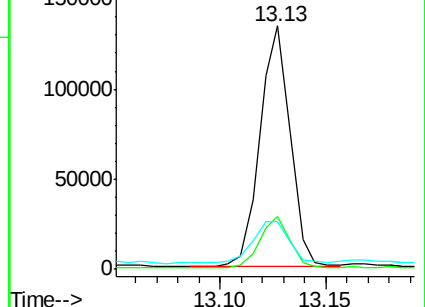
203 19.6 14.4 21.6



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: 16.57 ng

RT: 13.33 min Scan# 1946

Delta R.T. -0.02 min

Lab File: BF094133.D

Acq: 3 Apr 2017 20:55

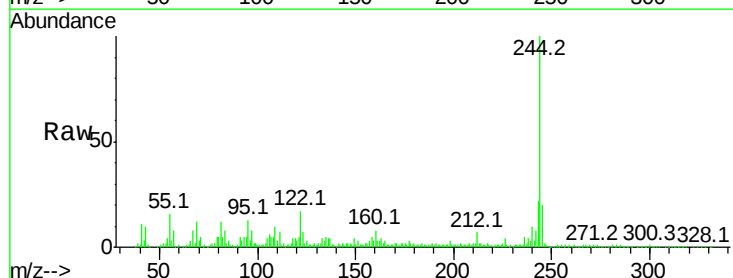
Tgt Ion:244 Resp: 214911

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

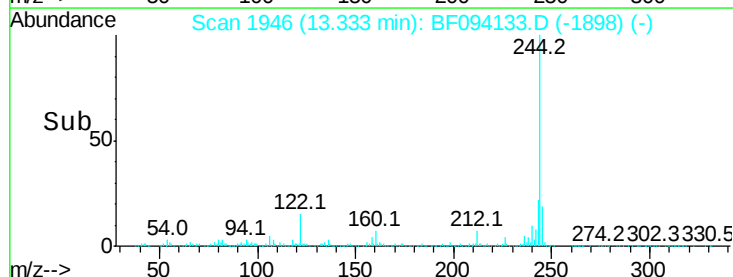
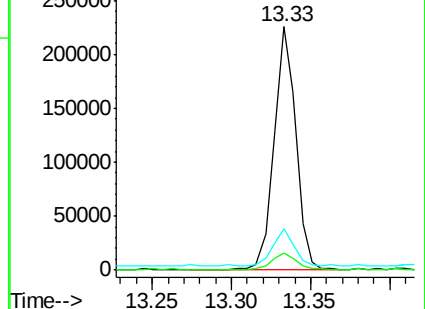
122 16.8 10.3 15.5#

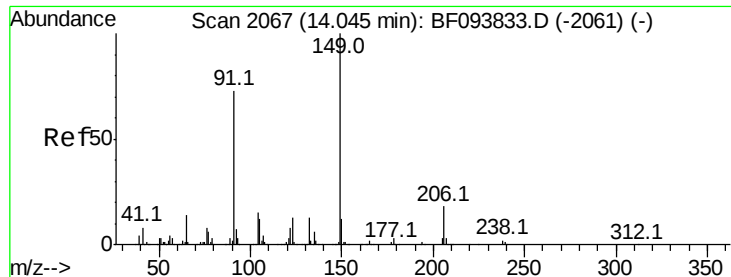


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

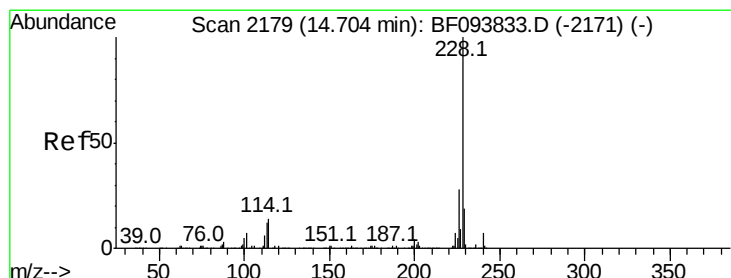
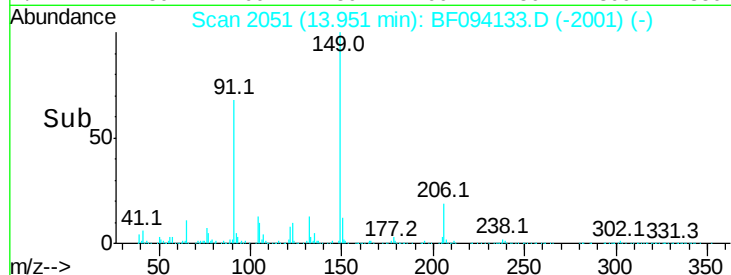
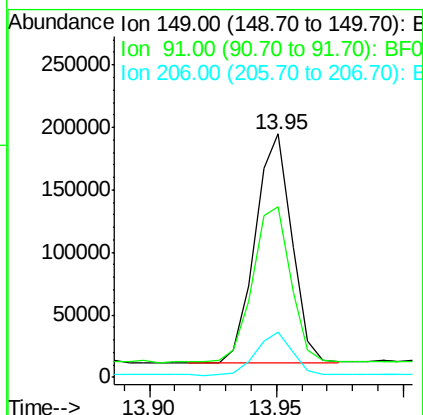
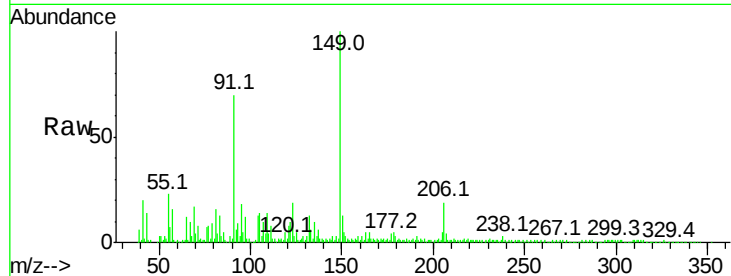




#79
Butylbenzylphthalate
Concen: 20.63 ng
RT: 13.95 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF094133.D
Acq: 3 Apr 2017 20:55

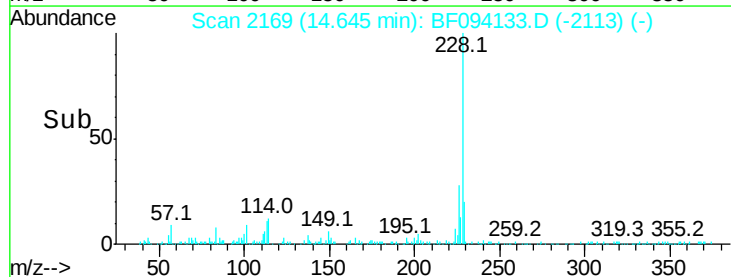
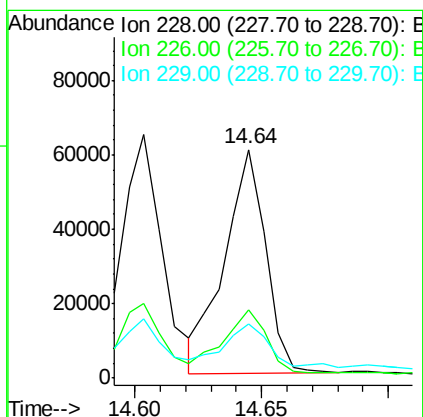
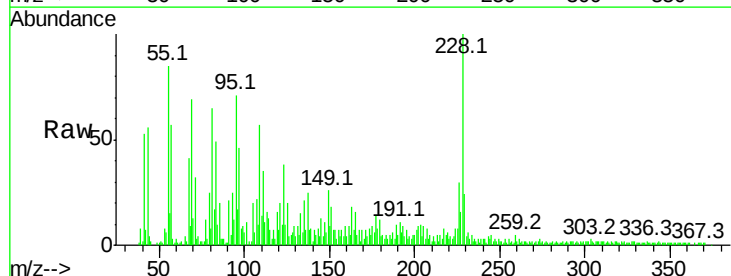
Instrument :
BNA_F
ClientSampleId :
LSS-SP06-COMP

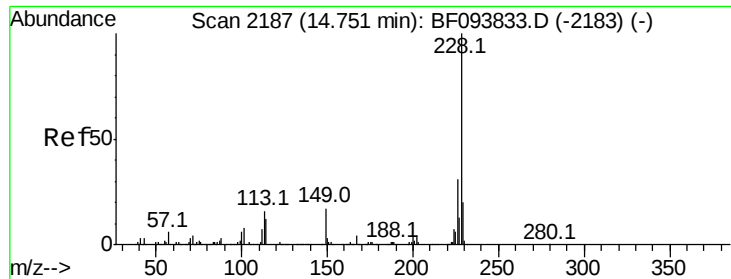
Tot Ion:149 Resp: 185548
Ion Ratio Lower Upper
149 100
91 70.2 45.0 67.4#
206 18.6 17.0 25.6



#80
Benzo(a)anthracene
Concen: 4.00 ng
RT: 14.64 min Scan# 2169
Delta R.T. 0.03 min
Lab File: BF094133.D
Acq: 3 Apr 2017 20:55

Tgt Ion:228 Resp: 67876
Ion Ratio Lower Upper
228 100
226 29.9 22.6 33.8
229 23.9 16.3 24.5

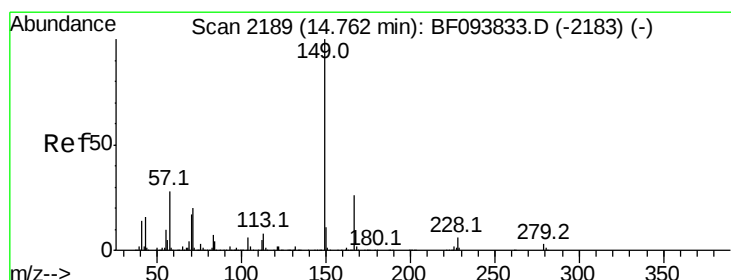
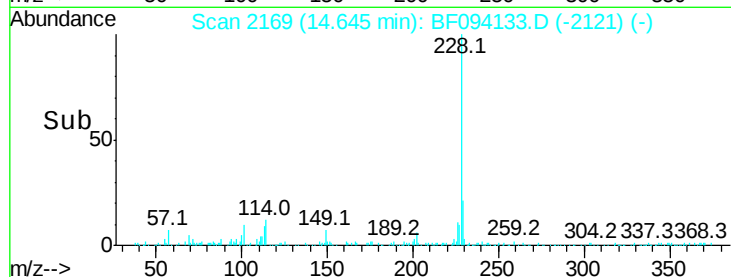
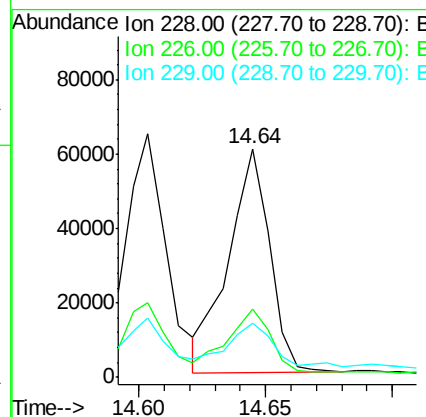
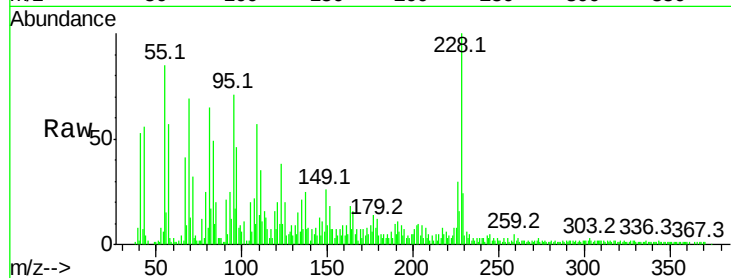




#82
 Chrysene
 Concen: 4.31 ng
 RT: 14.64 min Scan# 2169
 Delta R.T. -0.02 min
 Lab File: BF094133.D
 Acq: 3 Apr 2017 20:55

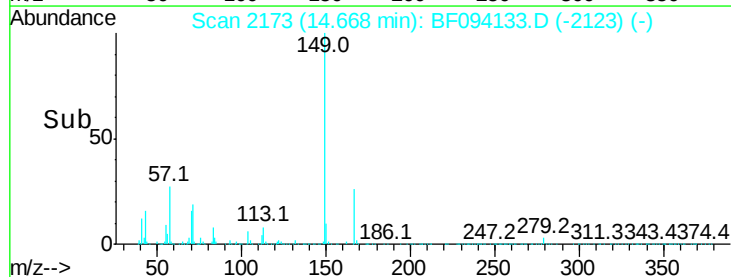
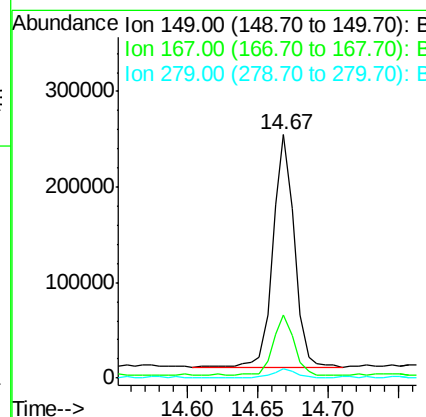
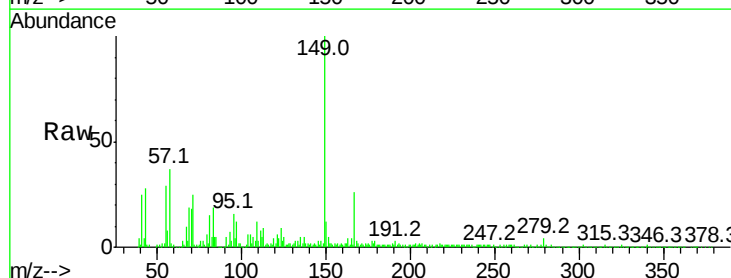
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP06-COMP

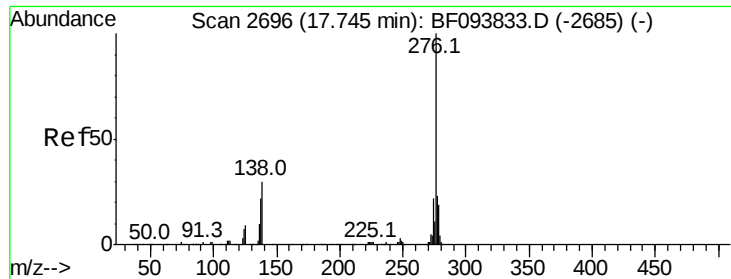
Tot Ion:228 Resp: 67876
 Ion Ratio Lower Upper
 228 100
 226 29.9 24.9 37.3
 229 23.9 15.8 23.6#



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 21.09 ng
 RT: 14.67 min Scan# 2173
 Delta R.T. -0.01 min
 Lab File: BF094133.D
 Acq: 3 Apr 2017 20:55

Tgt Ion:149 Resp: 258763
 Ion Ratio Lower Upper
 149 100
 167 25.8 21.0 31.4
 279 3.7 1.9 2.9#

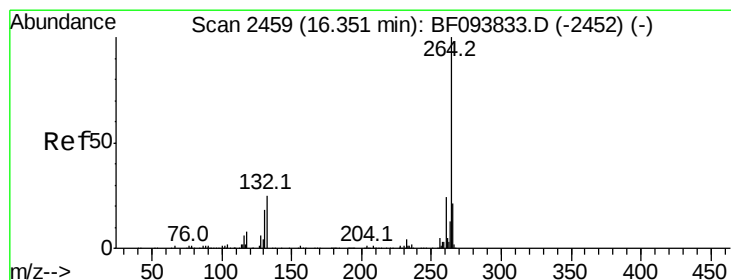
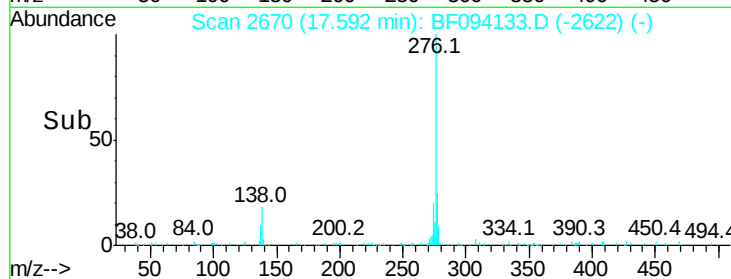
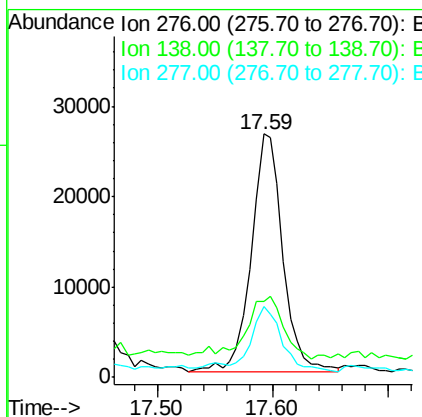
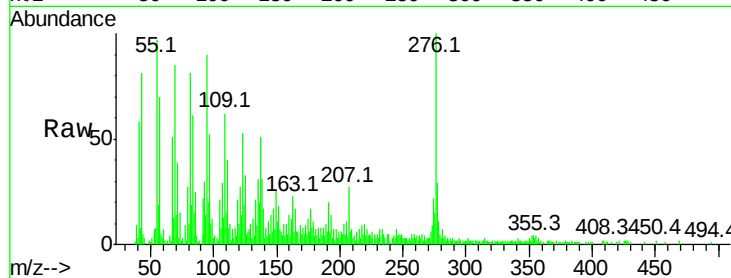




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.67 ng
RT: 17.59 min Scan# 2670
Delta R.T. -0.02 min
Lab File: BF094133.D
Acq: 3 Apr 2017 20:55

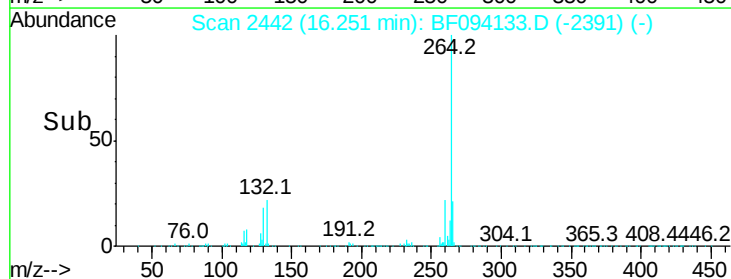
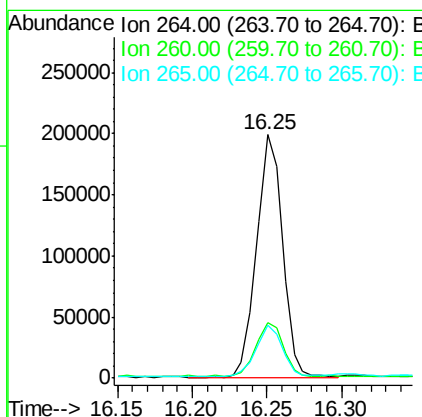
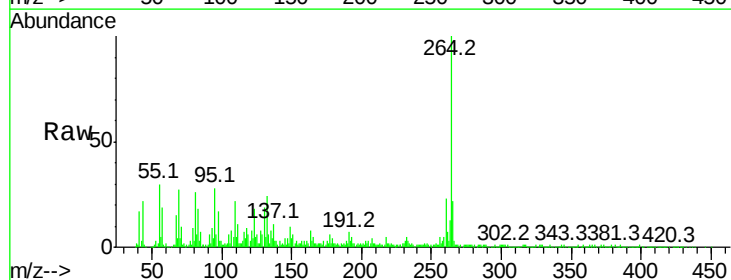
Instrument :
BNA_F
ClientSampleId :
LSS-SP06-COMP

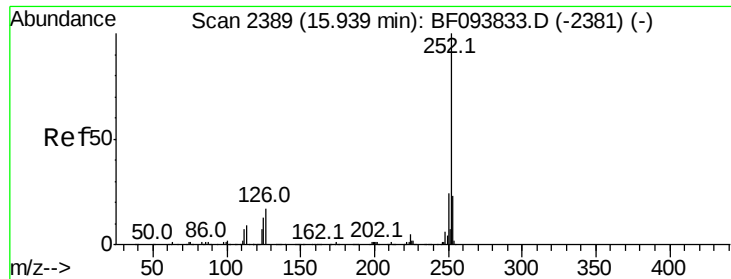
Tot Ion:276 Resp: 50056
Ion Ratio Lower Upper
276 100
138 28.1 27.8 41.6
277 26.3 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.25 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BF094133.D
Acq: 3 Apr 2017 20:55

Tgt Ion:264 Resp: 237562
Ion Ratio Lower Upper
264 100
260 22.9 19.5 29.3
265 21.6 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 9.01 ng

RT: 15.84 min Scan# 2372

Delta R.T. -0.01 min

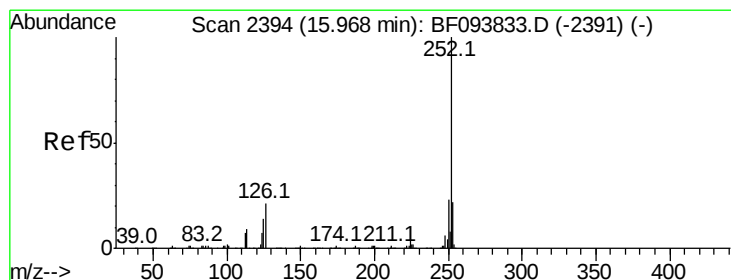
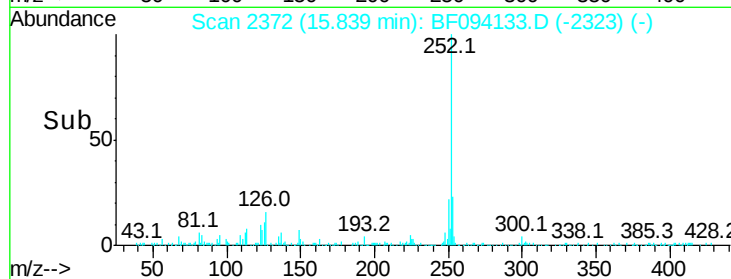
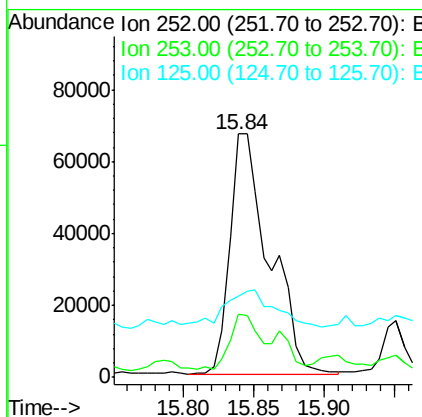
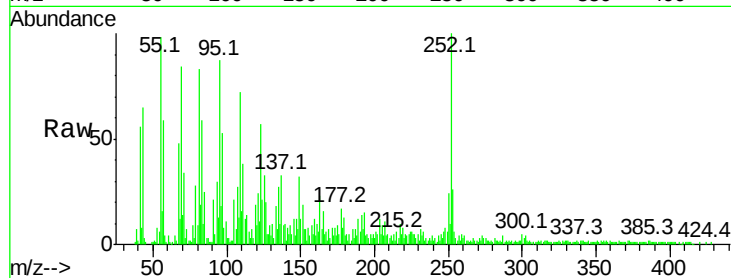
Lab File: BF094133.D

Acq: 3 Apr 2017 20:55

Instrument :
BNA_F
ClientSampleId :
LSS-SP06-COMP

Tot Ion:252 Resp: 131163

Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.1	27.1
125	33.3	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 9.21 ng

RT: 15.84 min Scan# 2372

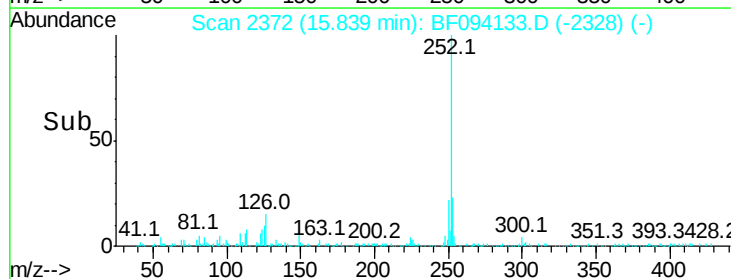
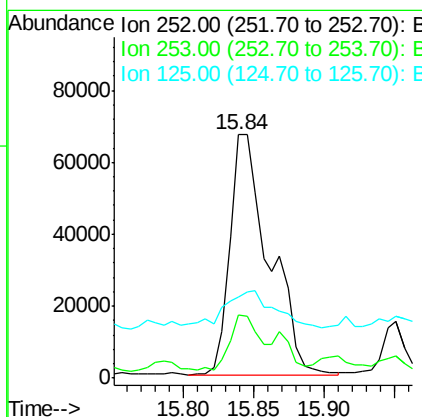
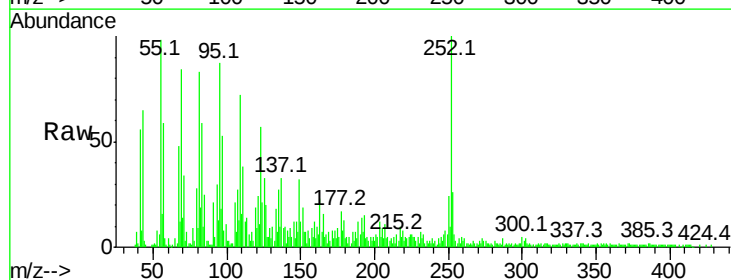
Delta R.T. -0.04 min

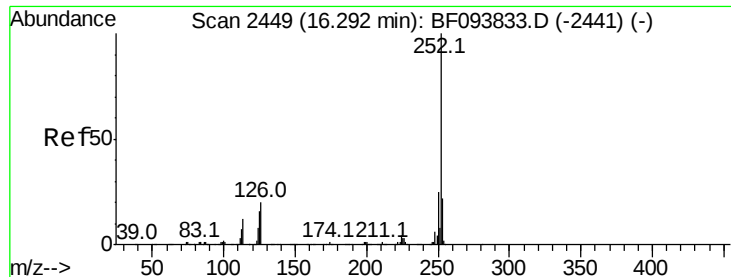
Lab File: BF094133.D

Acq: 3 Apr 2017 20:55

Tgt Ion:252 Resp: 131163

Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.4	27.6
125	33.3	13.1	19.7#





#89

Benzo(a)pyrene

Concen: 5.18 ng

RT: 16.19 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BF094133.D

Acq: 3 Apr 2017 20:55

Instrument :

BNA_F

ClientSampleId :

LSS-SP06-COMP

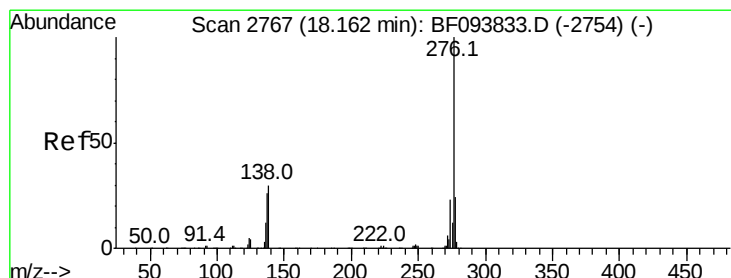
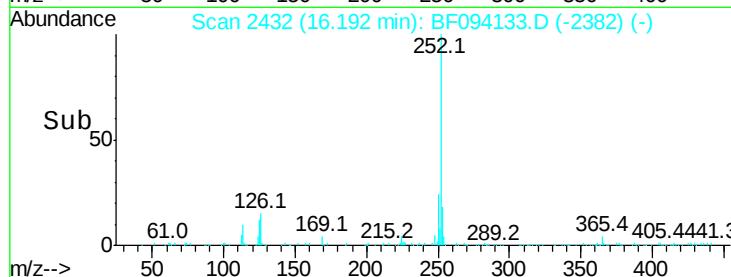
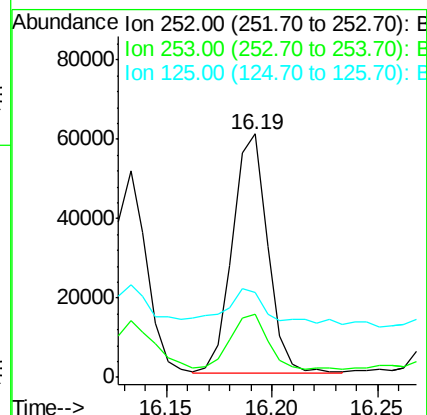
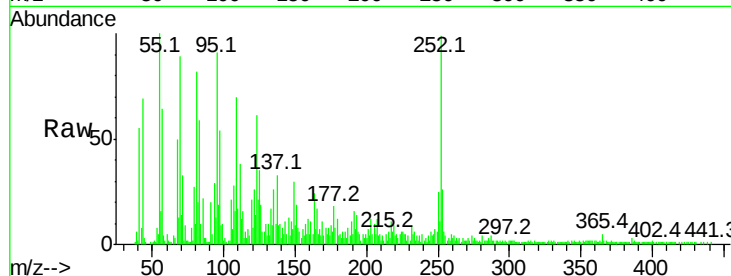
Tot Ion:252 Resp: 69452

Ion Ratio Lower Upper

252 100

253 26.2 17.5 26.3

125 34.9 11.0 16.4#



#91

Benzo(g,h,i)perylene

Concen: 5.43 ng

RT: 17.99 min Scan# 2738

Delta R.T. -0.02 min

Lab File: BF094133.D

Acq: 3 Apr 2017 20:55

Tgt Ion:276 Resp: 62149

Ion Ratio Lower Upper

276 100

277 25.1 18.6 28.0

138 28.9 25.4 38.0

