

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094134.D
 Acq On : 3 Apr 2017 21:22
 Operator : SJ/MA
 Sample : I2493-06 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP07-COMP

Quant Time: Apr 04 01:06:54 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

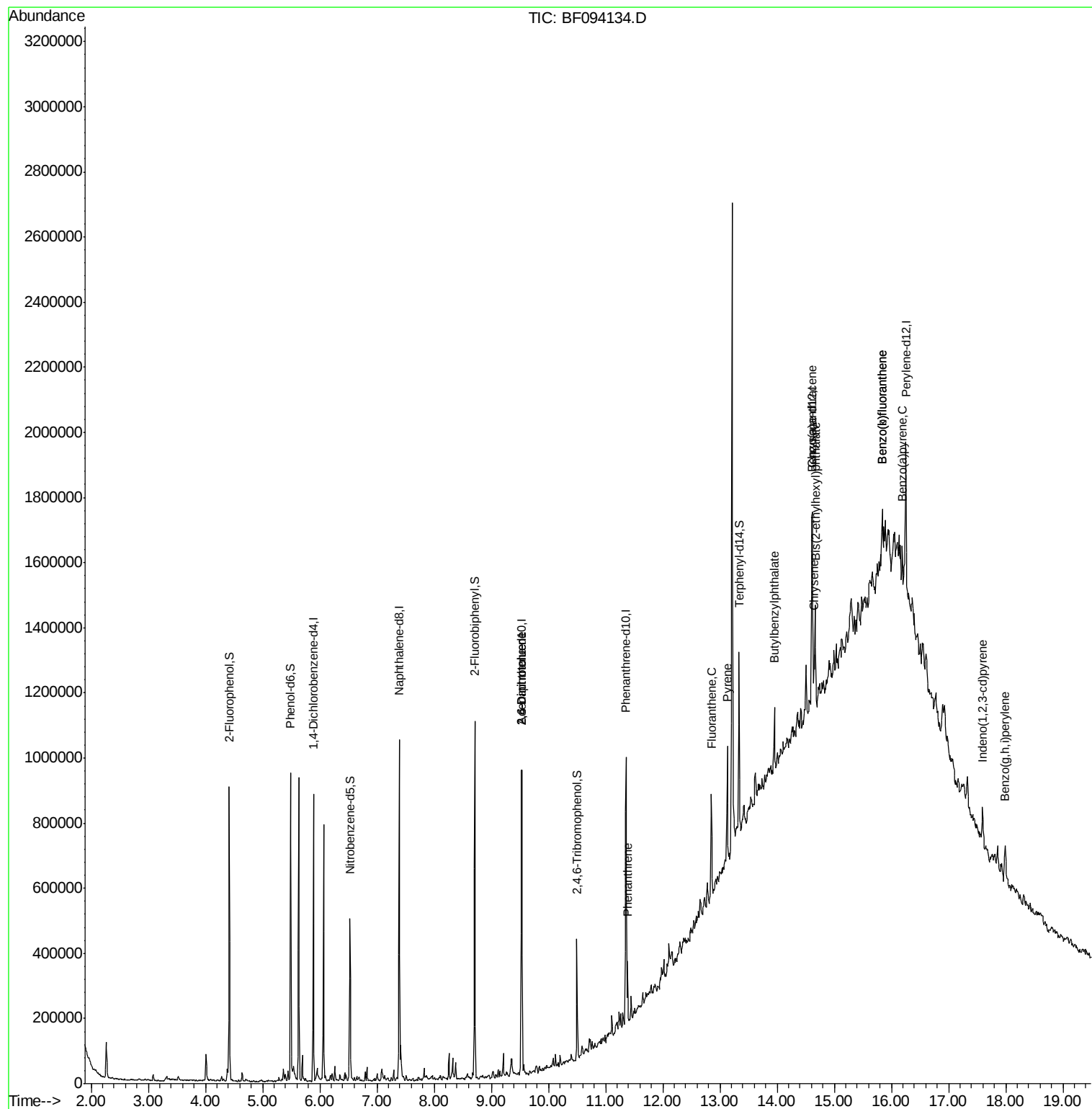
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	136178	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	525165	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	213982	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	316757	20.00	ng	-0.02
75) Chrysene-d12	14.62	240	237411	20.00	ng	-0.01
86) Perylene-d12	16.25	264	199709	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.42	112	246962	30.63	ng	-0.02
7) Phenol-d6	5.49	99	308415	30.92	ng	-0.02
23) Nitrobenzene-d5	6.53	82	153116	16.64	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	43270	25.59	ng	-0.02
44) 2-Fluorobiphenyl	8.71	172	355394	25.33	ng	-0.02
78) Terphenyl-d14	13.33	244	192823	18.21	ng	-0.02
Target Compounds						Qvalue
50) 2,6-Dinitrotoluene	9.53	165	27363	7.85	ng	# 34
56) 2,4-Dinitrotoluene	9.53	165	27364	6.25	ng	# 33
70) Phenanthrene	11.39	178	79142	4.49	ng	98
74) Fluoranthene	12.85	202	143468	7.95	ng	98
77) Pyrene	13.13	202	145188	8.43	ng	96
79) Butylbenzylphthalate	13.95	149	61897	8.43	ng	# 79
80) Benzo(a)anthracene	14.60	228	76180	5.50	ng	# 93
82) Chrysene	14.64	228	72332	5.63	ng	# 94
83) Bis(2-ethylhexyl)phthalate	14.67	149	118750	11.86	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.60	276	58436	5.25	ng	99
87) Benzo(b)fluoranthene	15.84	252	140534	11.48	ng	# 82
88) Benzo(k)fluoranthene	15.84	252	140534	11.73	ng	# 86
89) Benzo(a)pyrene	16.19	252	72793	6.46	ng	# 80
91) Benzo(a,h,i)perylene	17.99	276	76411	7.94	ng	99

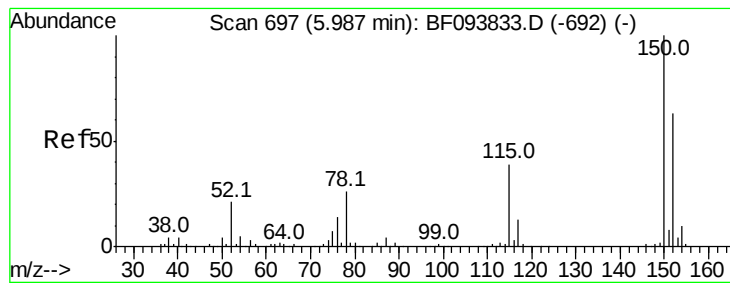
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF094134.D

Acq: 3 Apr 2017 21:22

Instrument :

BNA_F

ClientSampleId :

LSS-SP07-COMP

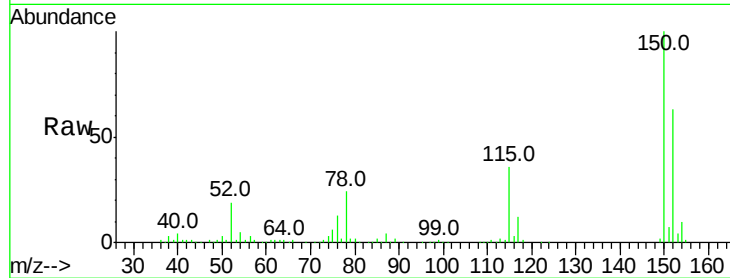
Tot Ion:152 Resp: 136178

Ion Ratio Lower Upper

152 100

150 158.0 126.2 189.2

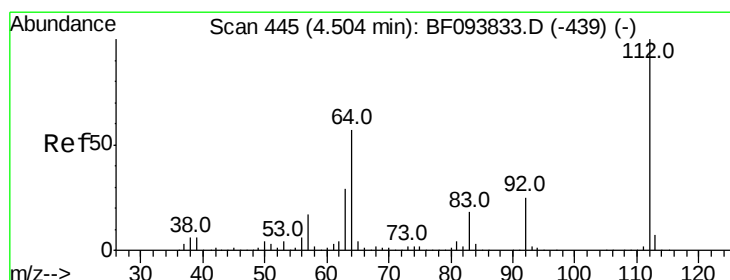
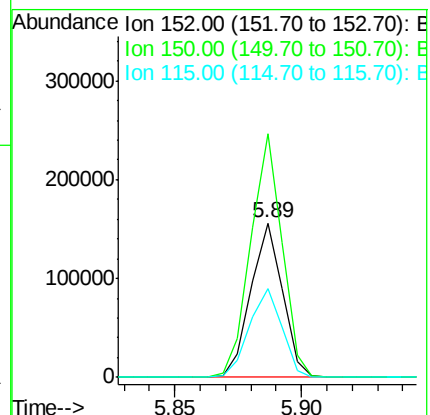
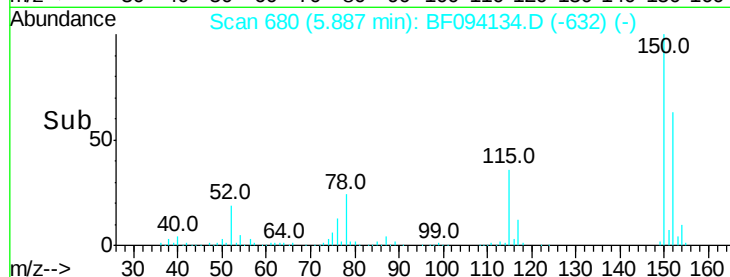
115 57.4 52.2 78.2



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: 30.63 ng

RT: 4.42 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF094134.D

Acq: 3 Apr 2017 21:22

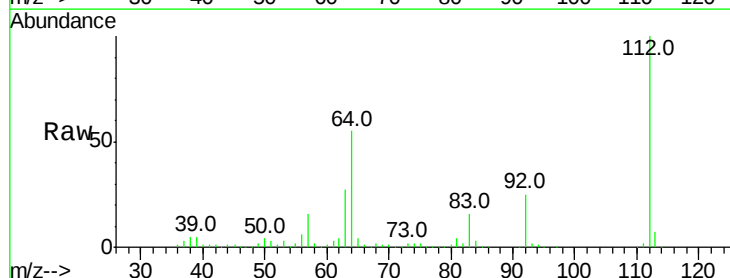
Tgt Ion:112 Resp: 246962

Ion Ratio Lower Upper

112 100

64 54.6 46.0 69.0

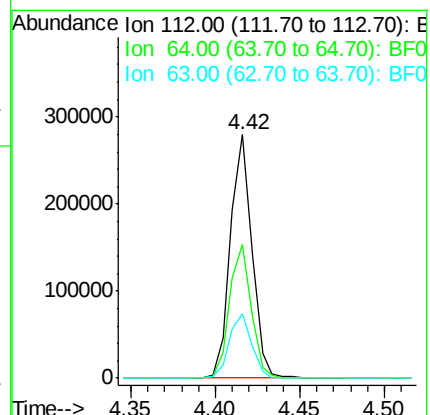
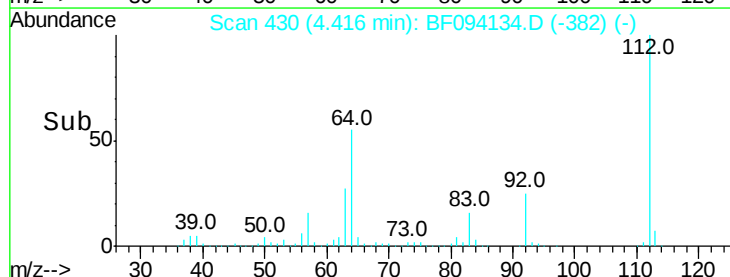
63 26.7 23.4 35.0

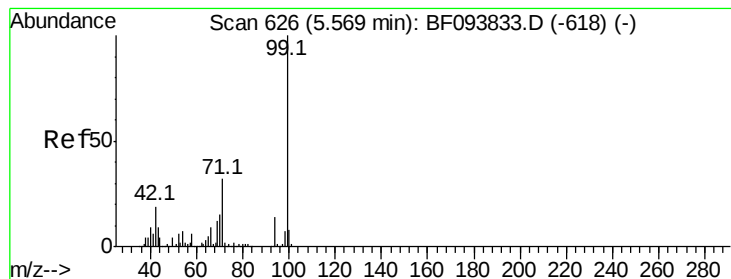


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 30.92 ng

RT: 5.49 min Scan# 612

Delta R.T. -0.02 min

Lab File: BF094134.D

Acq: 3 Apr 2017 21:22

Instrument :

BNA_F

ClientSampleId :

LSS-SP07-COMP

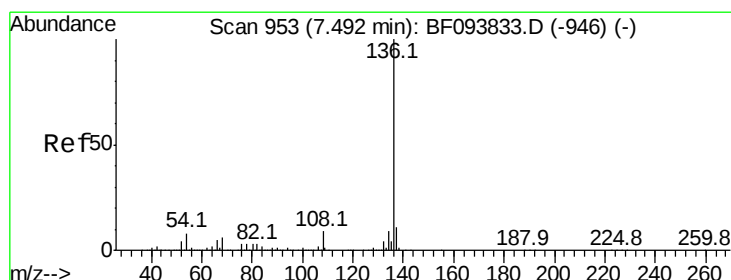
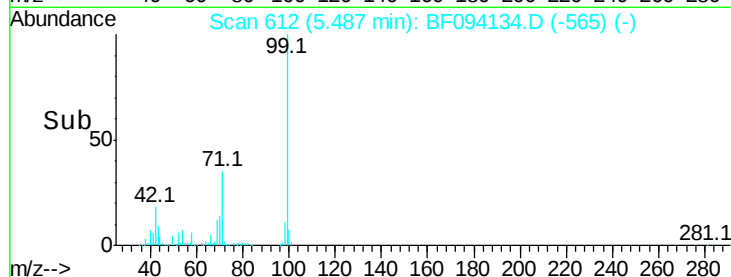
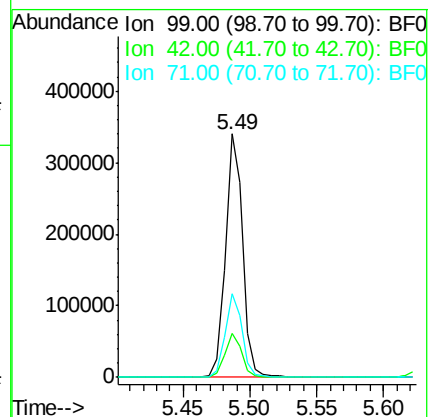
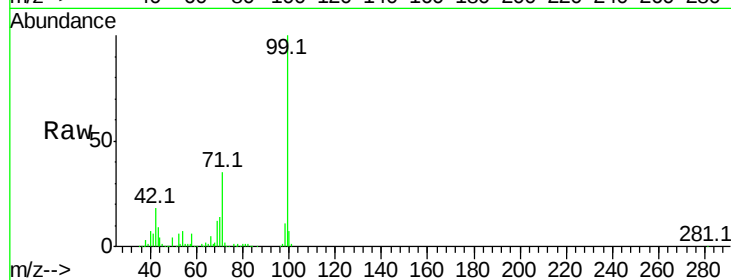
Tot Ion: 99 Resp: 308415

Ion Ratio Lower Upper

99 100

42 18.1 13.5 20.3

71 34.5 24.5 36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF094134.D

Acq: 3 Apr 2017 21:22

Tgt Ion: 136 Resp: 525165

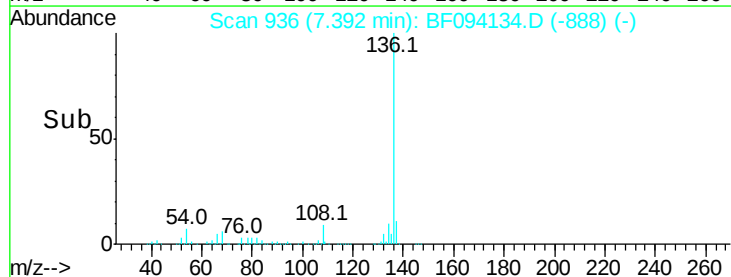
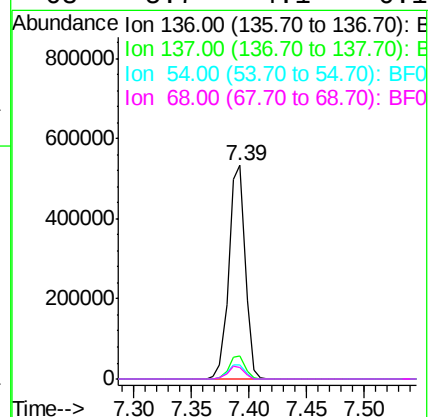
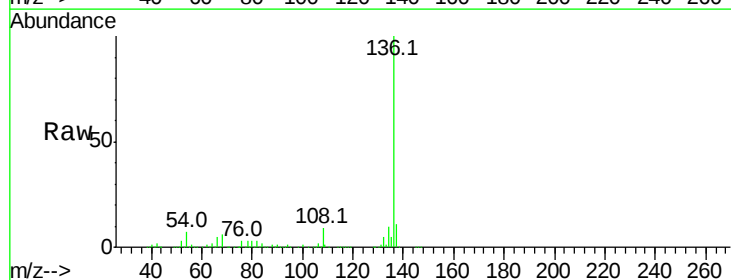
Ion Ratio Lower Upper

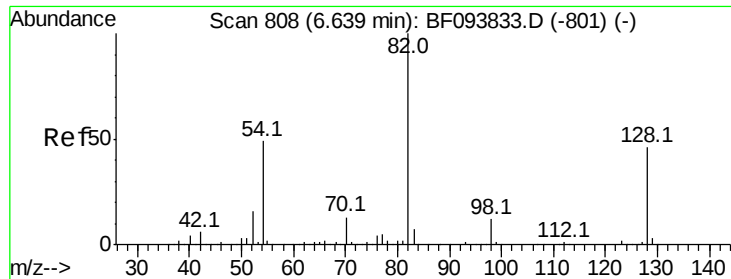
136 100

137 10.9 8.5 12.7

54 6.7 4.9 7.3

68 5.7 4.1 6.1

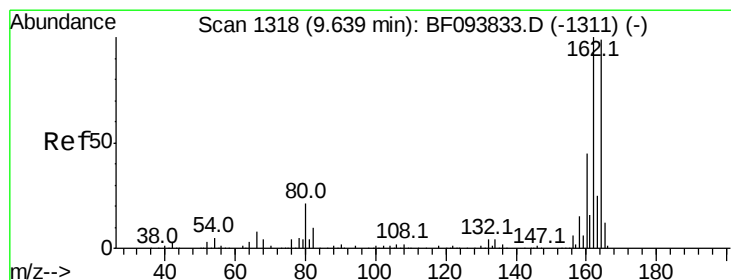
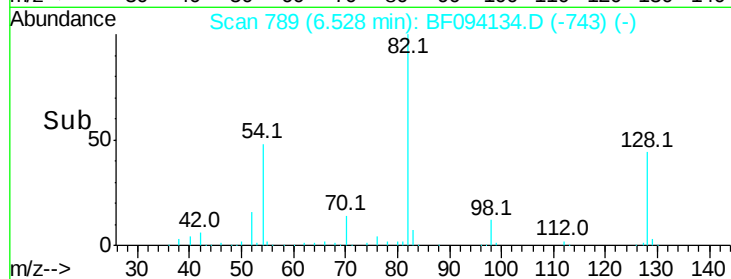
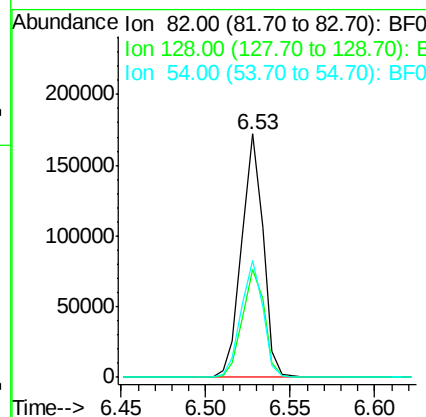
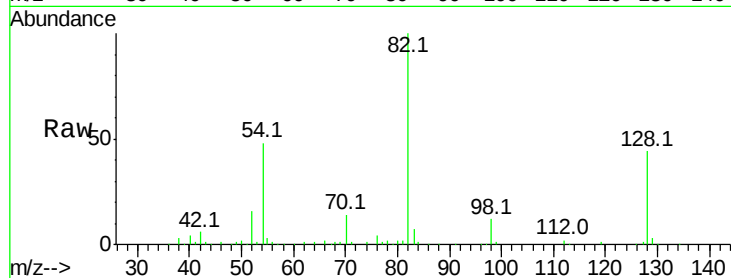




#23
 Nitrobenzene-d5
 Concen: 16.64 ng
 RT: 6.53 min Scan# 789
 Delta R.T. -0.03 min
 Lab File: BF094134.D
 Acq: 3 Apr 2017 21:22

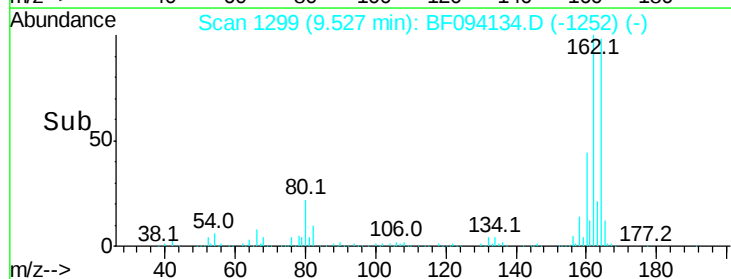
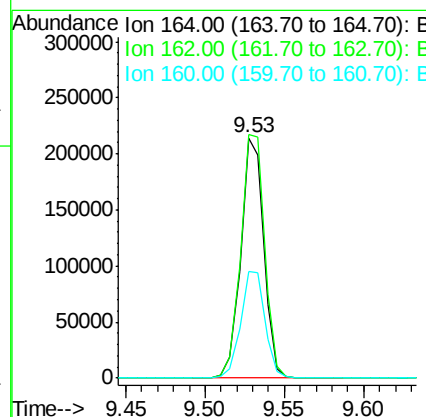
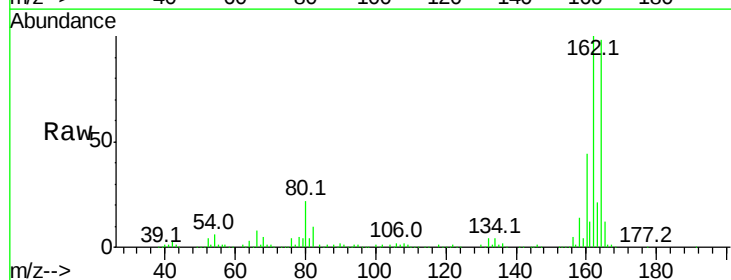
Instrument :
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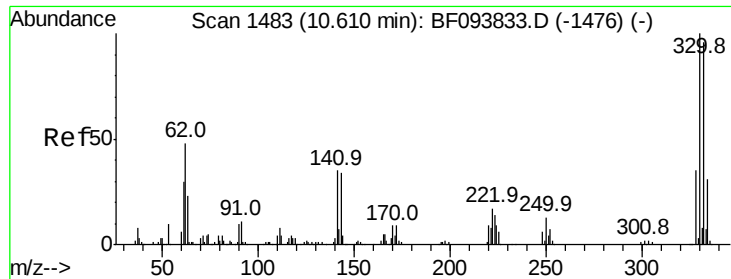
Tot Ion	82	Resp	153116
Ion Ratio	Lower	Upper	
82	100		
128	44.3	34.0	51.0
54	48.2	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.02 min
 Lab File: BF094134.D
 Acq: 3 Apr 2017 21:22

Tgt Ion	164	Resp	213982
Ion Ratio	Lower	Upper	
164	100		
162	101.5	82.6	123.8
160	44.4	36.2	54.2

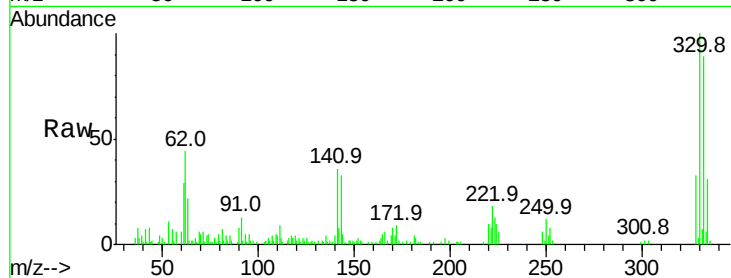




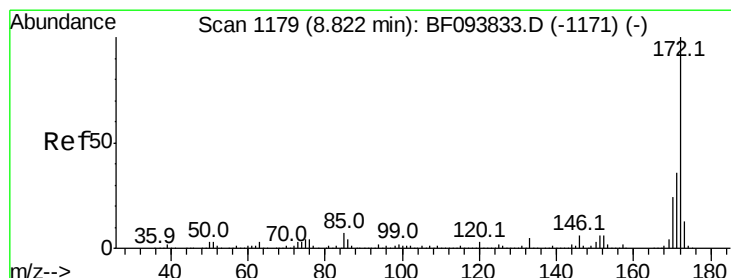
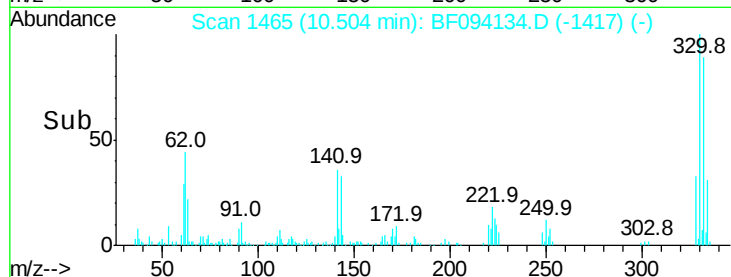
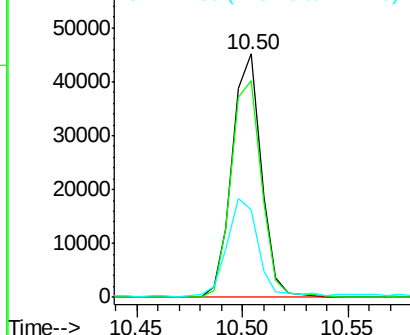
#41
 2,4,6-Tribromophenol
 Concen: 25.59 ng
 RT: 10.50 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BF094134.D
 Acq: 3 Apr 2017 21:22

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP07-COMP

Tot Ion:330 Resp: 43270
 Ion Ratio Lower Upper
 330 100
 332 93.2 76.6 115.0
 141 45.3 31.4 47.2

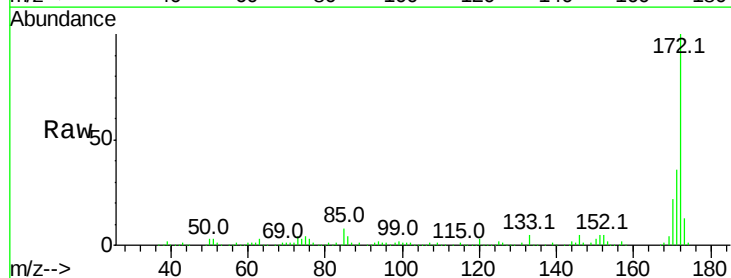


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

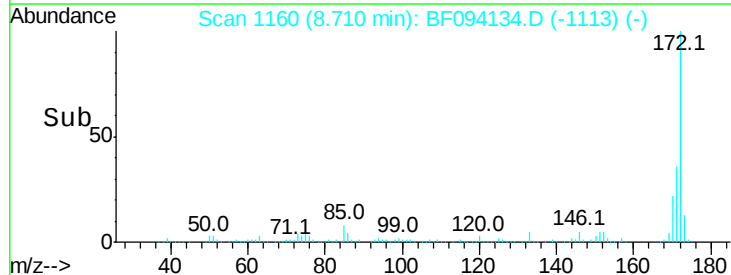
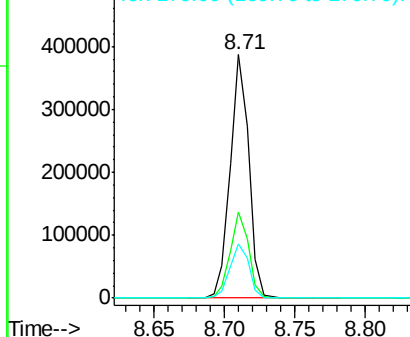


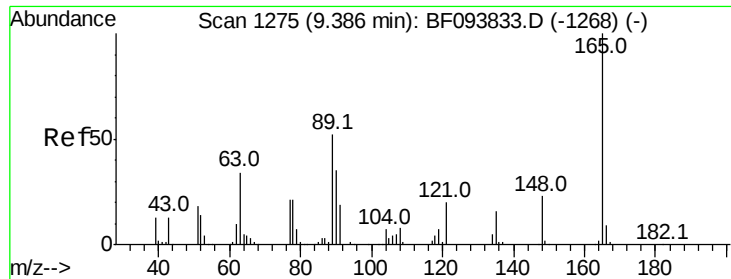
#44
 2-Fluorobiphenyl
 Concen: 25.33 ng
 RT: 8.71 min Scan# 1160
 Delta R.T. -0.02 min
 Lab File: BF094134.D
 Acq: 3 Apr 2017 21:22

Tgt Ion:172 Resp: 355394
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 22.3 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

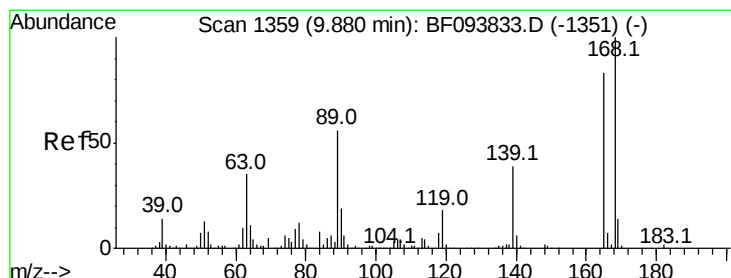
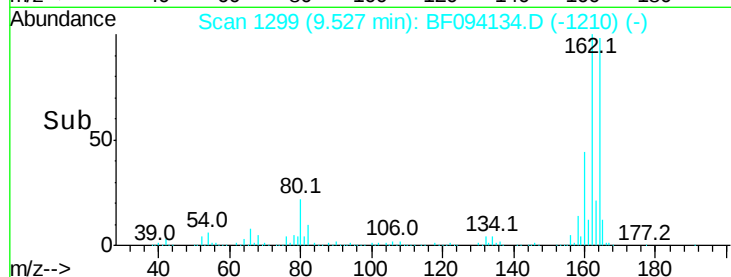
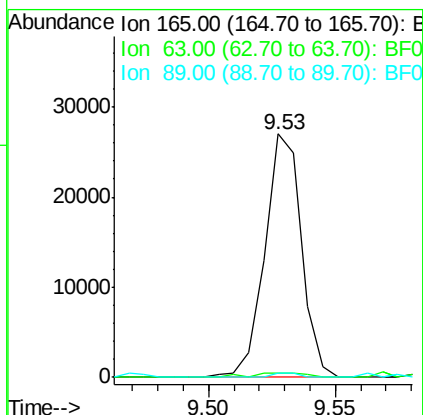
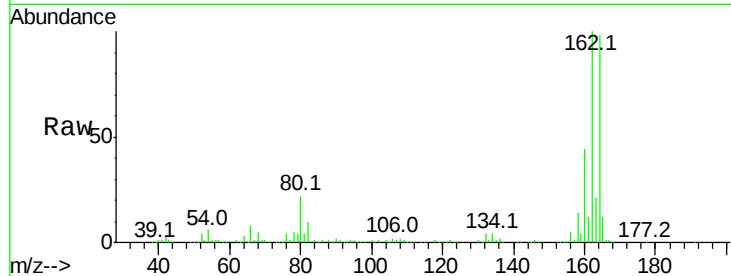




#50
 2,6-Dinitrotoluene
 Concen: 7.85 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. 0.22 min
 Lab File: BF094134.D
 Acq: 3 Apr 2017 21:22

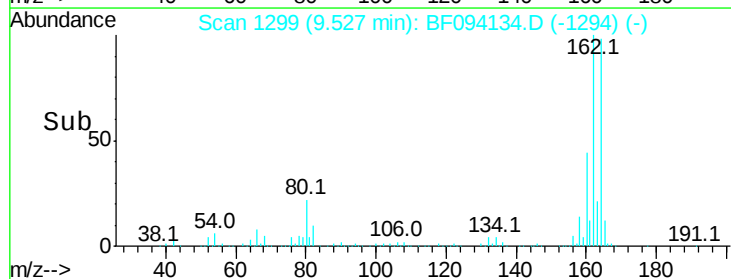
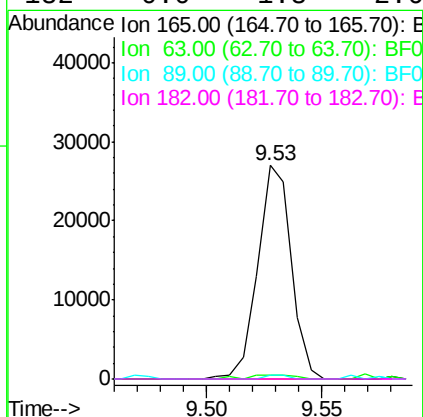
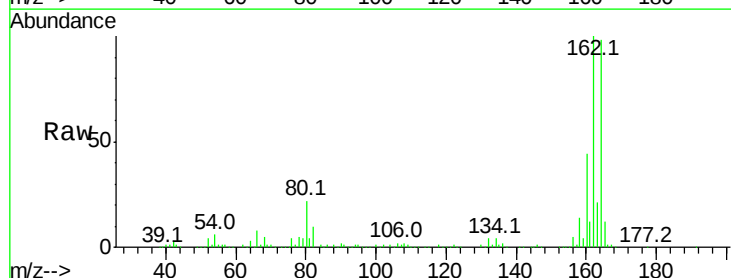
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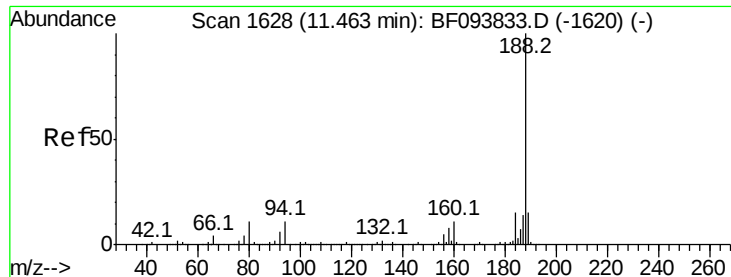
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.3	51.5#
89	1.7	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.25 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.27 min
 Lab File: BF094134.D
 Acq: 3 Apr 2017 21:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	1.7	46.4	69.6#
182	0.0	1.8	2.6#

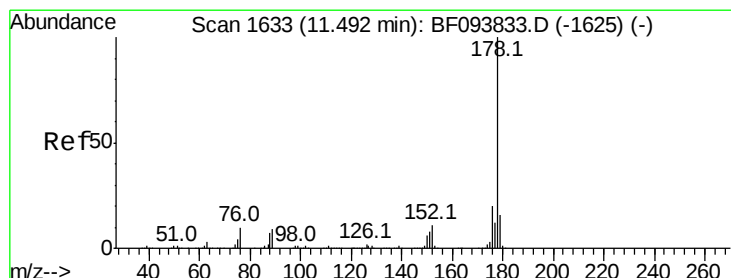
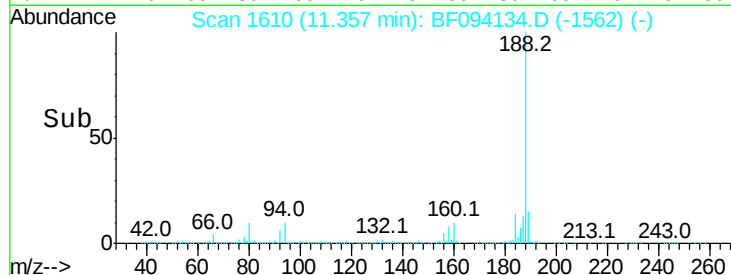
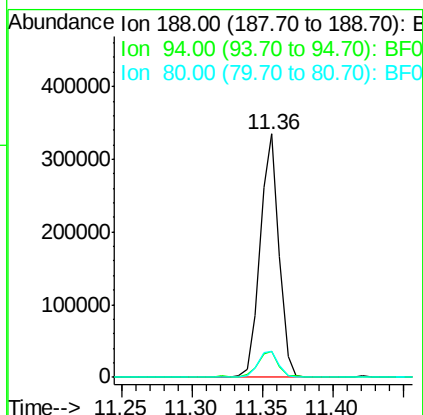
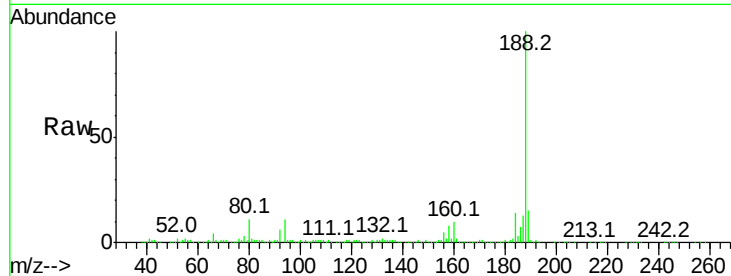




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.02 min
Lab File: BF094134.D
Acq: 3 Apr 2017 21:22

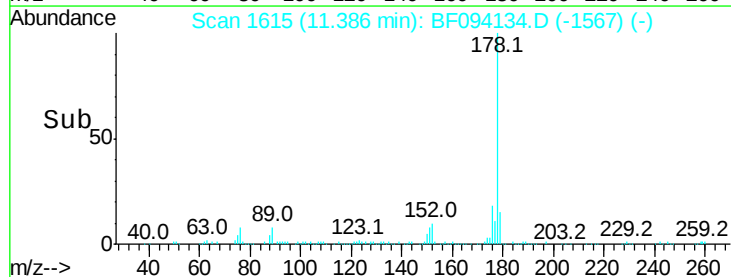
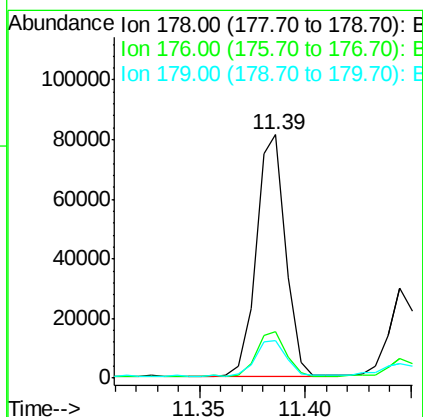
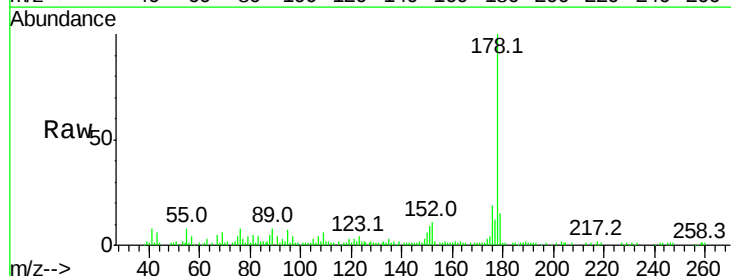
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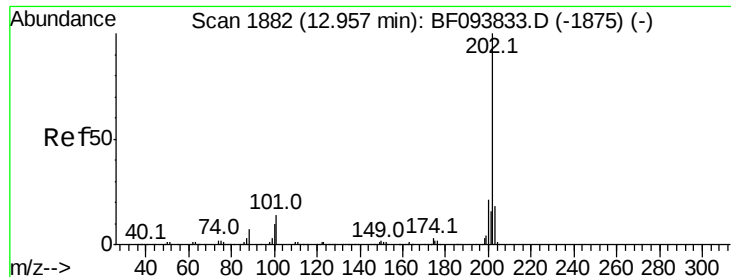
Tot Ion:188 Resp: 316757
Ion Ratio Lower Upper
188 100
94 10.6 9.4 14.2
80 10.6 10.2 15.2



#70
Phenanthrene
Concen: 4.49 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BF094134.D
Acq: 3 Apr 2017 21:22

Tgt Ion:178 Resp: 79142
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 15.5 12.6 19.0





#74

Fluoranthene

Concen: 7.95 ng

RT: 12.85 min Scan# 1864

Delta R.T. -0.02 min

Lab File: BF094134.D

Acq: 3 Apr 2017 21:22

Instrument :

BNA_F

ClientSampleId :

LSS-SP07-COMP

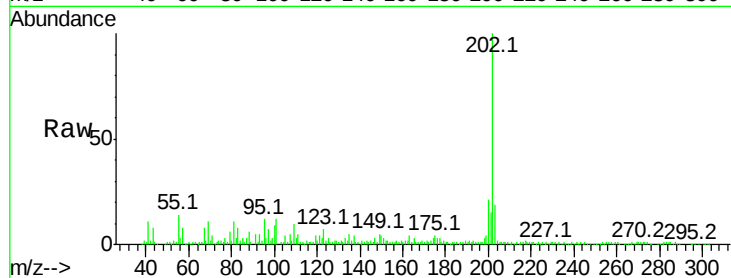
Tot Ion:202 Resp: 143468

Ion Ratio Lower Upper

202 100

101 12.1 0.0 33.2

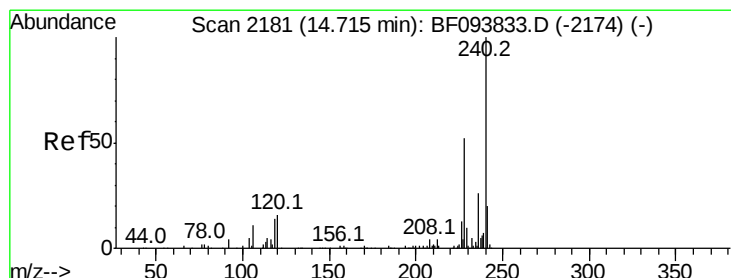
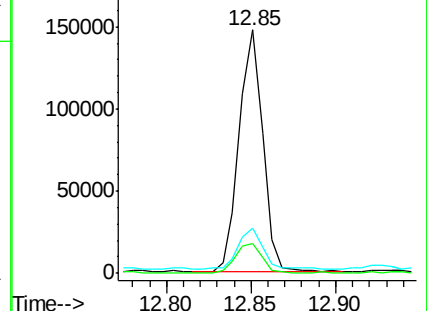
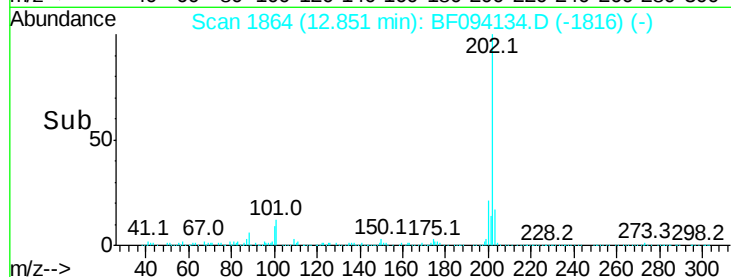
203 18.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.62 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF094134.D

Acq: 3 Apr 2017 21:22

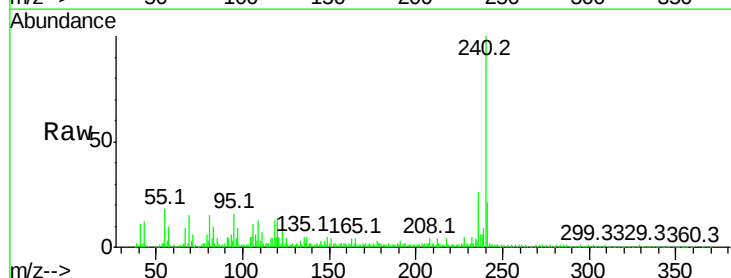
Tgt Ion:240 Resp: 237411

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

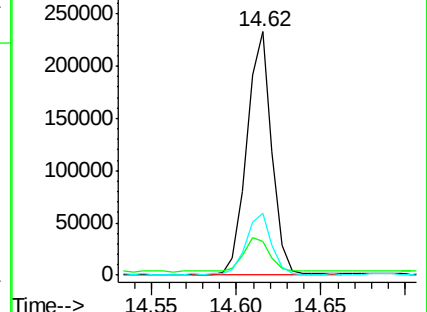
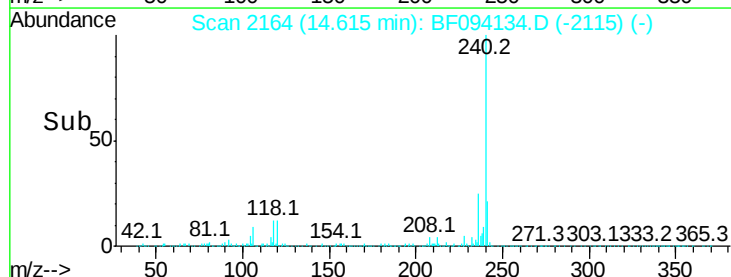
236 25.5 20.5 30.7

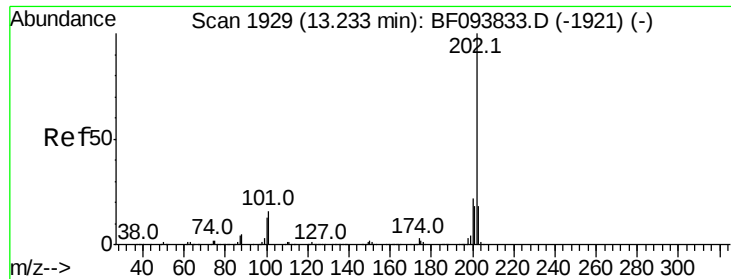


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

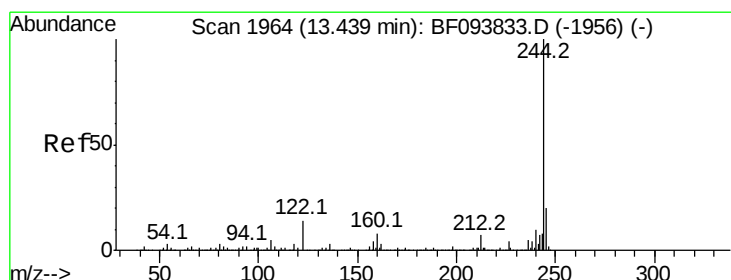
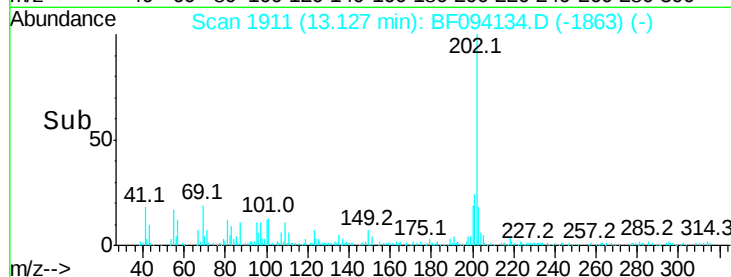
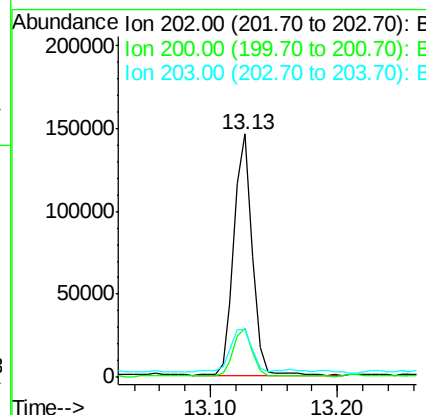
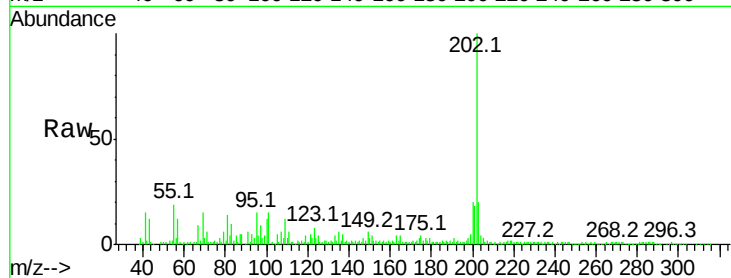




#77
Pvrene
Concen: 8.43 ng
RT: 13.13 min Scan# 1911
Delta R.T. -0.02 min
Lab File: BF094134.D
Acq: 3 Apr 2017 21:22

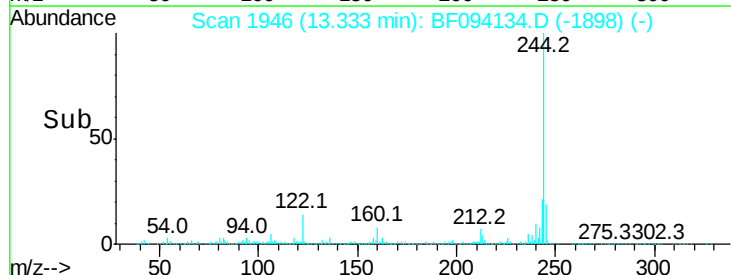
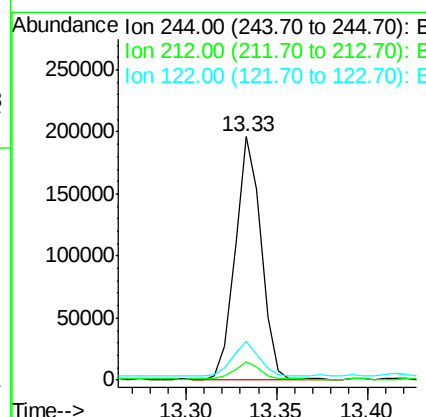
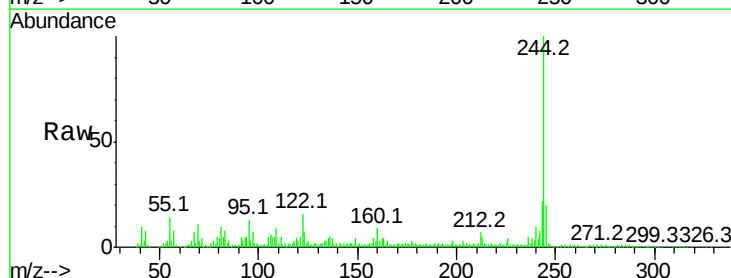
Instrument :
BNA_F
ClientSampleId :
LSS-SP07-COMP

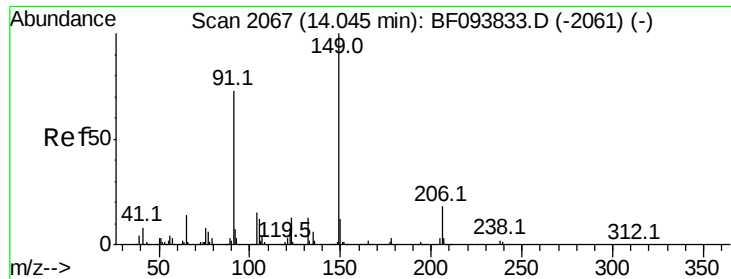
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.6	26.4
203	19.8	14.4	21.6



#78
Terphenyl-d14
Concen: 18.21 ng
RT: 13.33 min Scan# 1946
Delta R.T. -0.02 min
Lab File: BF094134.D
Acq: 3 Apr 2017 21:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	15.7	10.3	15.5

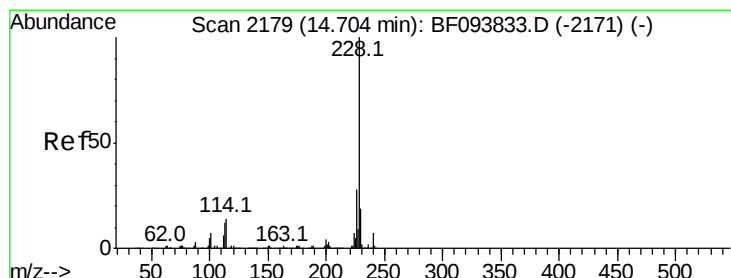
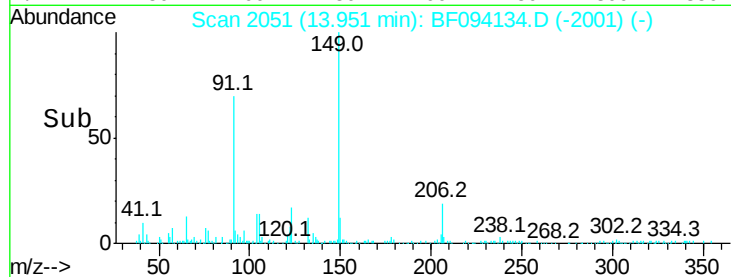
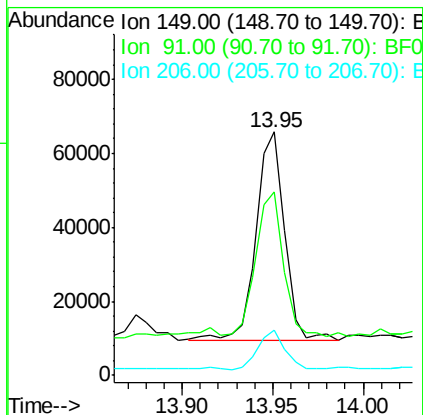
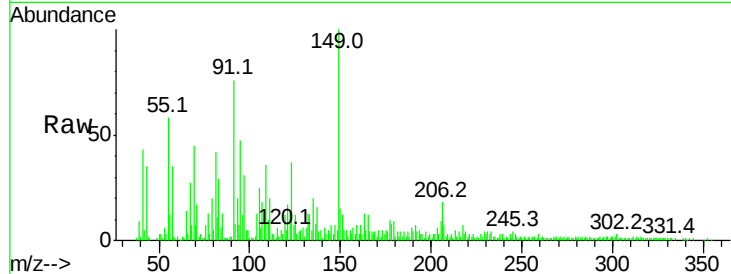




#79
Butylbenzylphthalate
Concen: 8.43 ng
RT: 13.95 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF094134.D
Acq: 3 Apr 2017 21:22

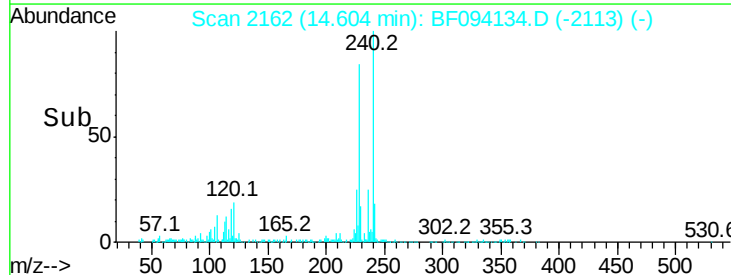
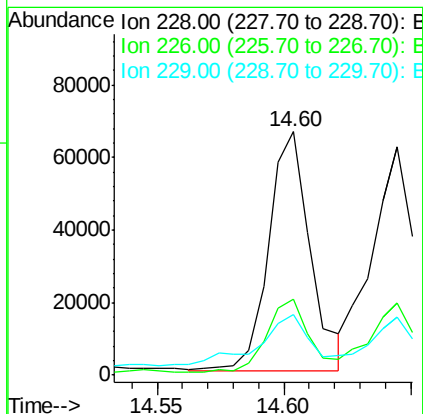
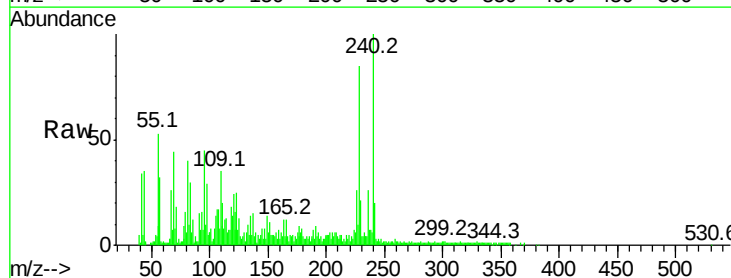
Instrument :
BNA_F
ClientSampleId :
LSS-SP07-COMP

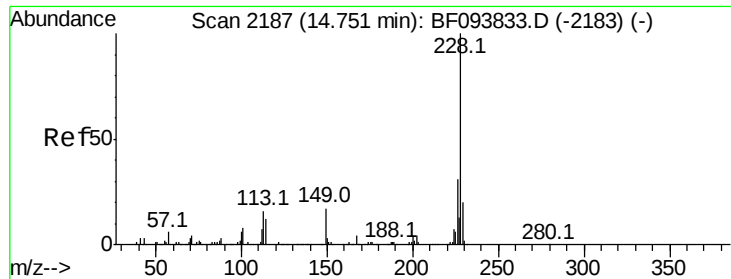
Tot Ion:149 Resp: 61897
Ion Ratio Lower Upper
149 100
91 75.6 45.0 67.4#
206 18.5 17.0 25.6



#80
Benzo(a)anthracene
Concen: 5.50 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF094134.D
Acq: 3 Apr 2017 21:22

Tgt Ion:228 Resp: 76180
Ion Ratio Lower Upper
228 100
226 31.3 22.6 33.8
229 24.7 16.3 24.5#





#82

Chrysene

Concen: 5.63 ng

RT: 14.64 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BF094134.D

Acq: 3 Apr 2017 21:22

Instrument :

BNA_F

ClientSampleId :

LSS-SP07-COMP

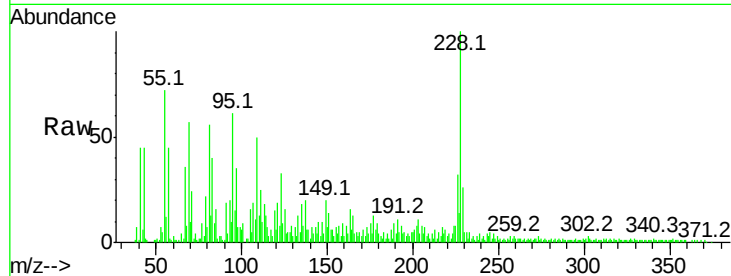
Tot Ion:228 Resp: 72332

Ion Ratio Lower Upper

228 100

226 31.6 24.9 37.3

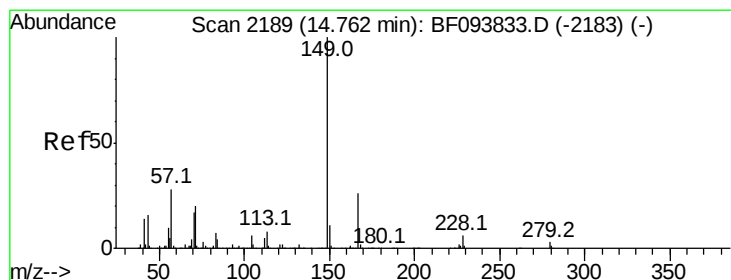
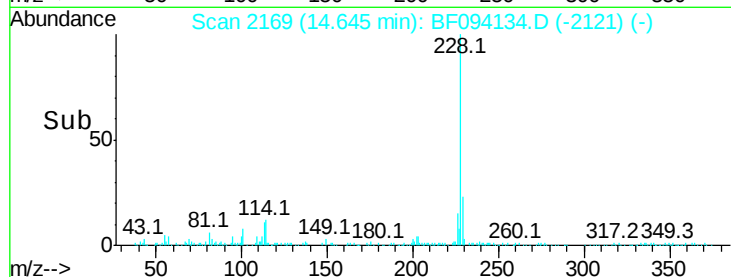
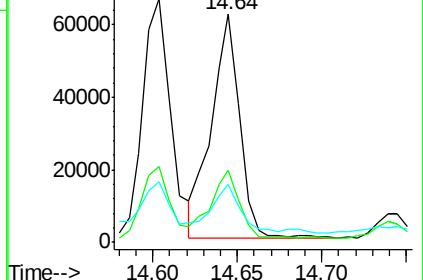
229 25.6 15.8 23.6#



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: 11.86 ng

RT: 14.67 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF094134.D

Acq: 3 Apr 2017 21:22

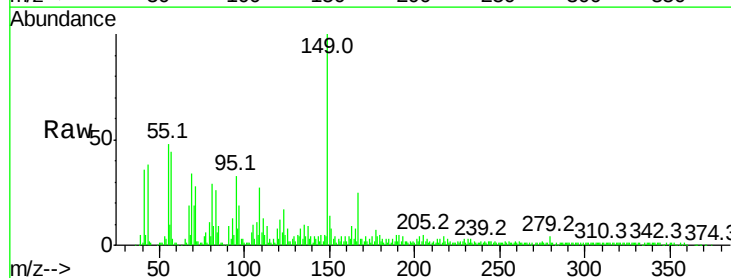
Tgt Ion:149 Resp: 118750

Ion Ratio Lower Upper

149 100

167 25.4 21.0 31.4

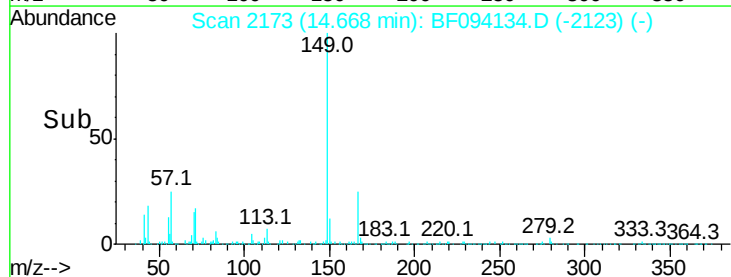
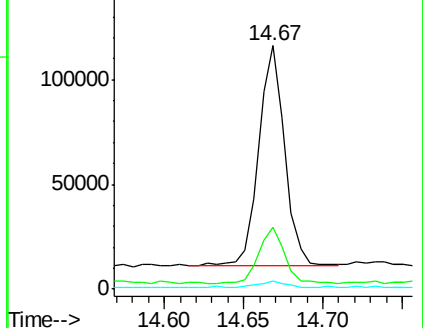
279 3.6 1.9 2.9#

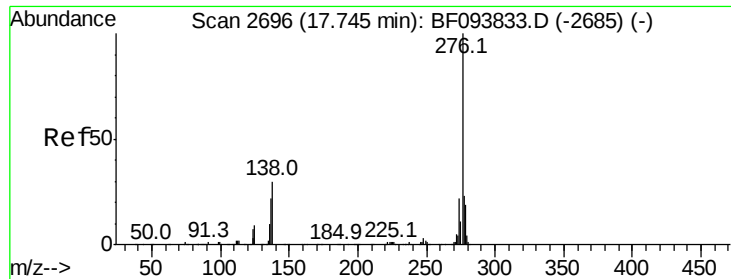


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

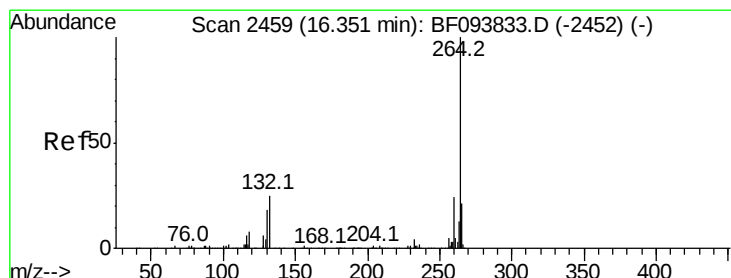
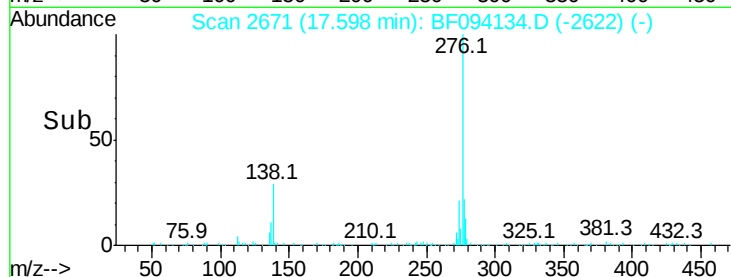
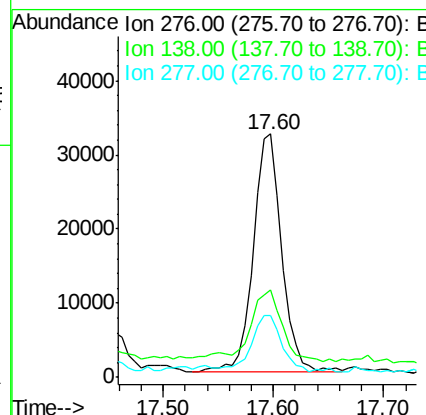
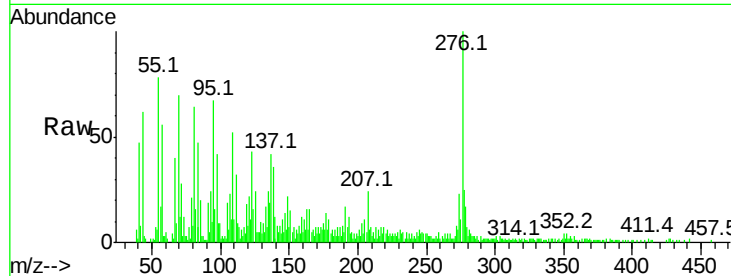




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.25 ng
RT: 17.60 min Scan# 2671
Delta R.T. -0.01 min
Lab File: BF094134.D
Acq: 3 Apr 2017 21:22

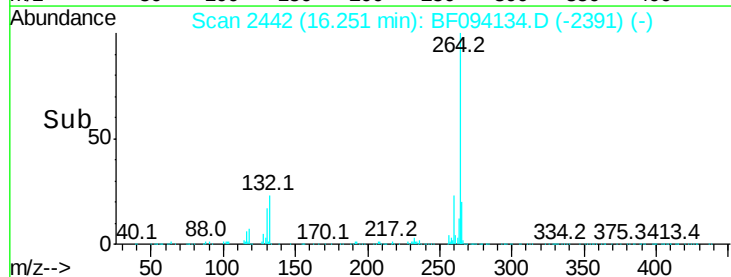
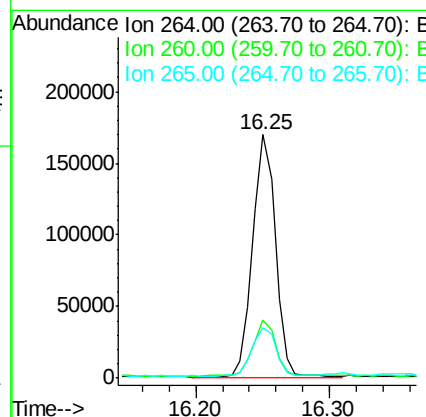
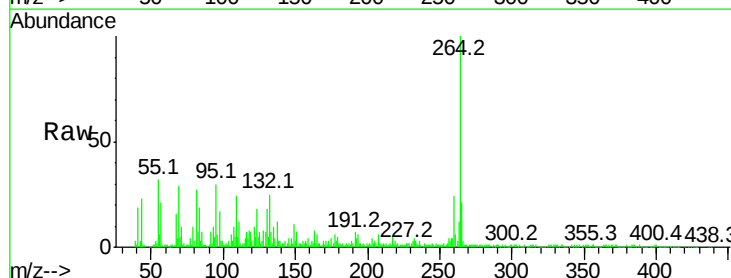
Instrument :
BNA_F
ClientSampleId :
LSS-SP07-COMP

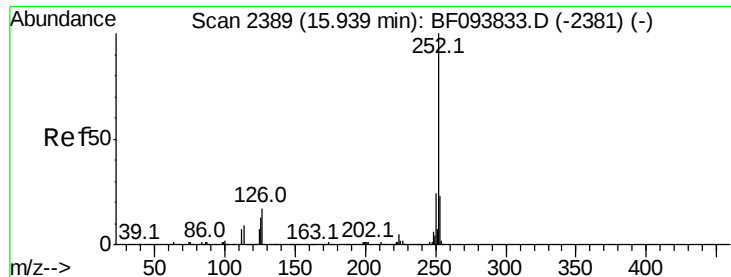
Tot Ion:276 Resp: 58436
Ion Ratio Lower Upper
276 100
138 35.4 27.8 41.6
277 25.8 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.25 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BF094134.D
Acq: 3 Apr 2017 21:22

Tgt Ion:264 Resp: 199709
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 20.6 17.2 25.8

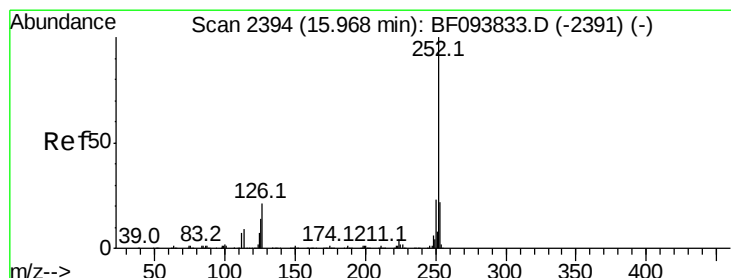
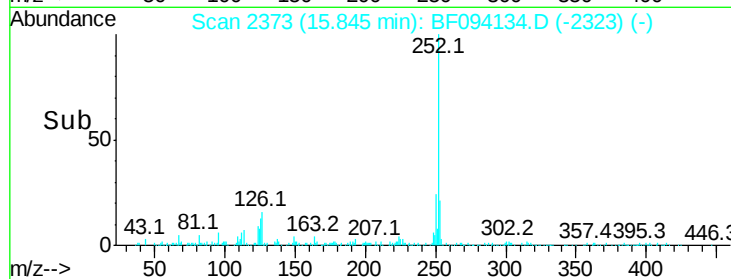
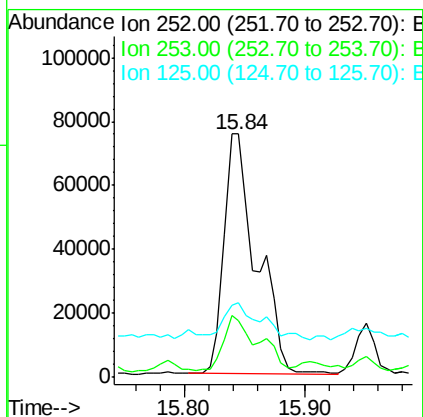
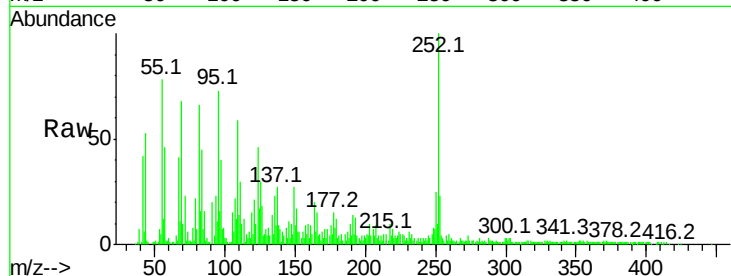




#87
Benzo(b)fluoranthene
Concen: 11.48 ng
RT: 15.84 min Scan# 2373
Delta R.T. -0.01 min
Lab File: BF094134.D
Acq: 3 Apr 2017 21:22

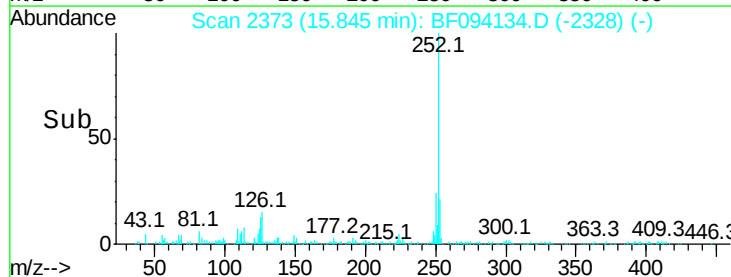
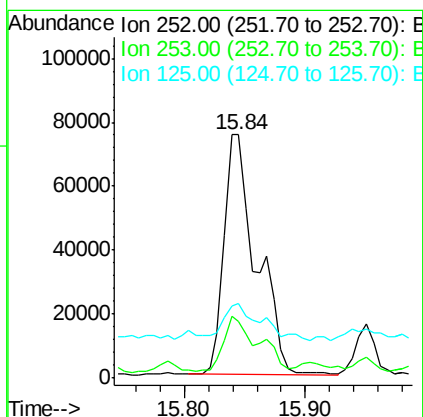
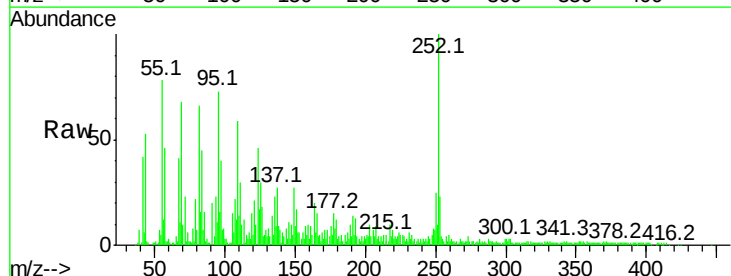
Instrument :
BNA_F
ClientSampleId :
LSS-SP07-COMP

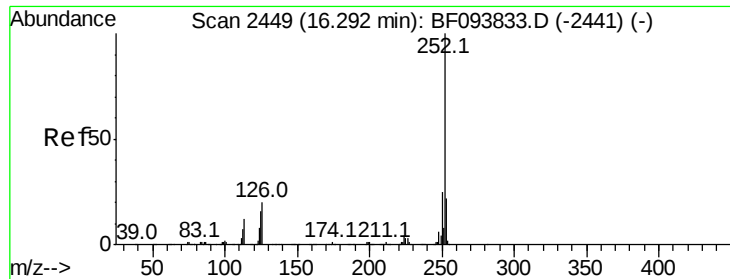
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	30.5	9.8	14.8#



#88
Benzo(k)fluoranthene
Concen: 11.73 ng
RT: 15.84 min Scan# 2373
Delta R.T. -0.04 min
Lab File: BF094134.D
Acq: 3 Apr 2017 21:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.4	27.6
125	30.5	13.1	19.7#

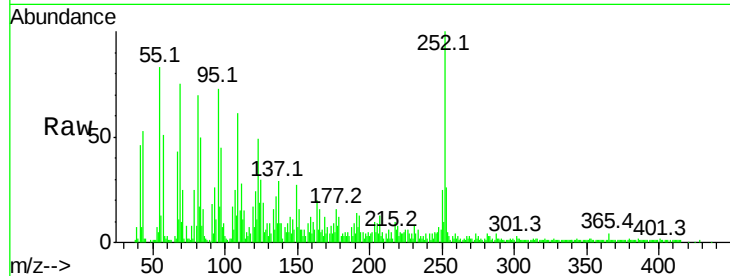




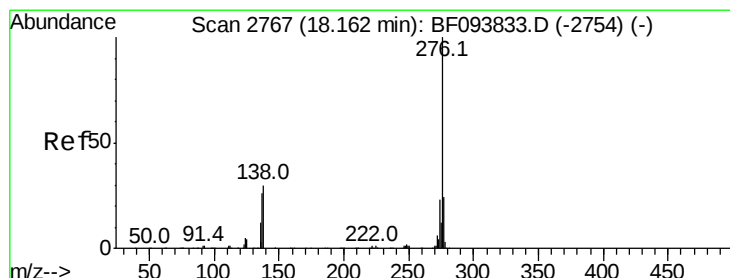
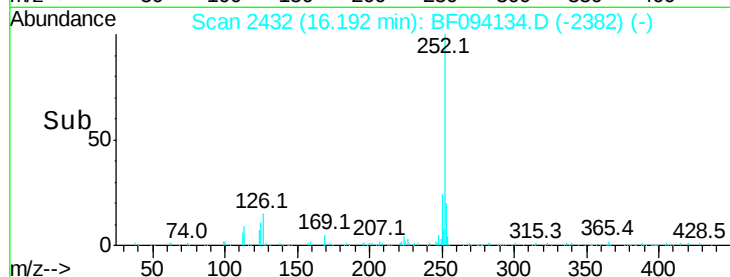
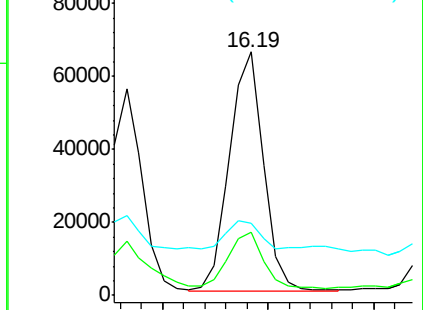
#89
Benzo(a)pyrene
Concen: 6.46 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BF094134.D
Acq: 3 Apr 2017 21:22

Instrument :
BNA_F
ClientSampleId :
LSS-SP07-COMP

Tot Ion:252 Resp: 72793
Ion Ratio Lower Upper
252 100
253 26.0 17.5 26.3
125 29.6 11.0 16.4#

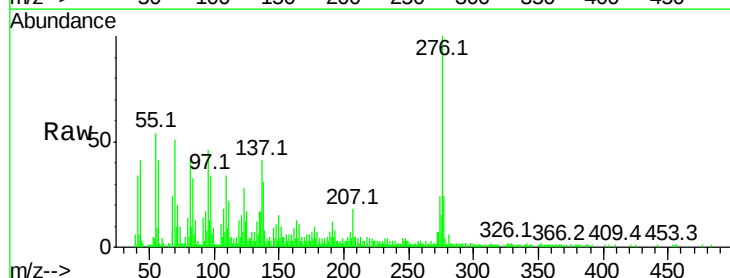


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 7.94 ng
RT: 17.99 min Scan# 2738
Delta R.T. -0.02 min
Lab File: BF094134.D
Acq: 3 Apr 2017 21:22

Tgt Ion:276 Resp: 76411
Ion Ratio Lower Upper
276 100
277 24.0 18.6 28.0
138 31.3 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

