

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094143.D
 Acq On : 4 Apr 2017 1:31
 Operator : SJ/MA
 Sample : I2495-08 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP04-COMP

Quant Time: Apr 04 02:29:48 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

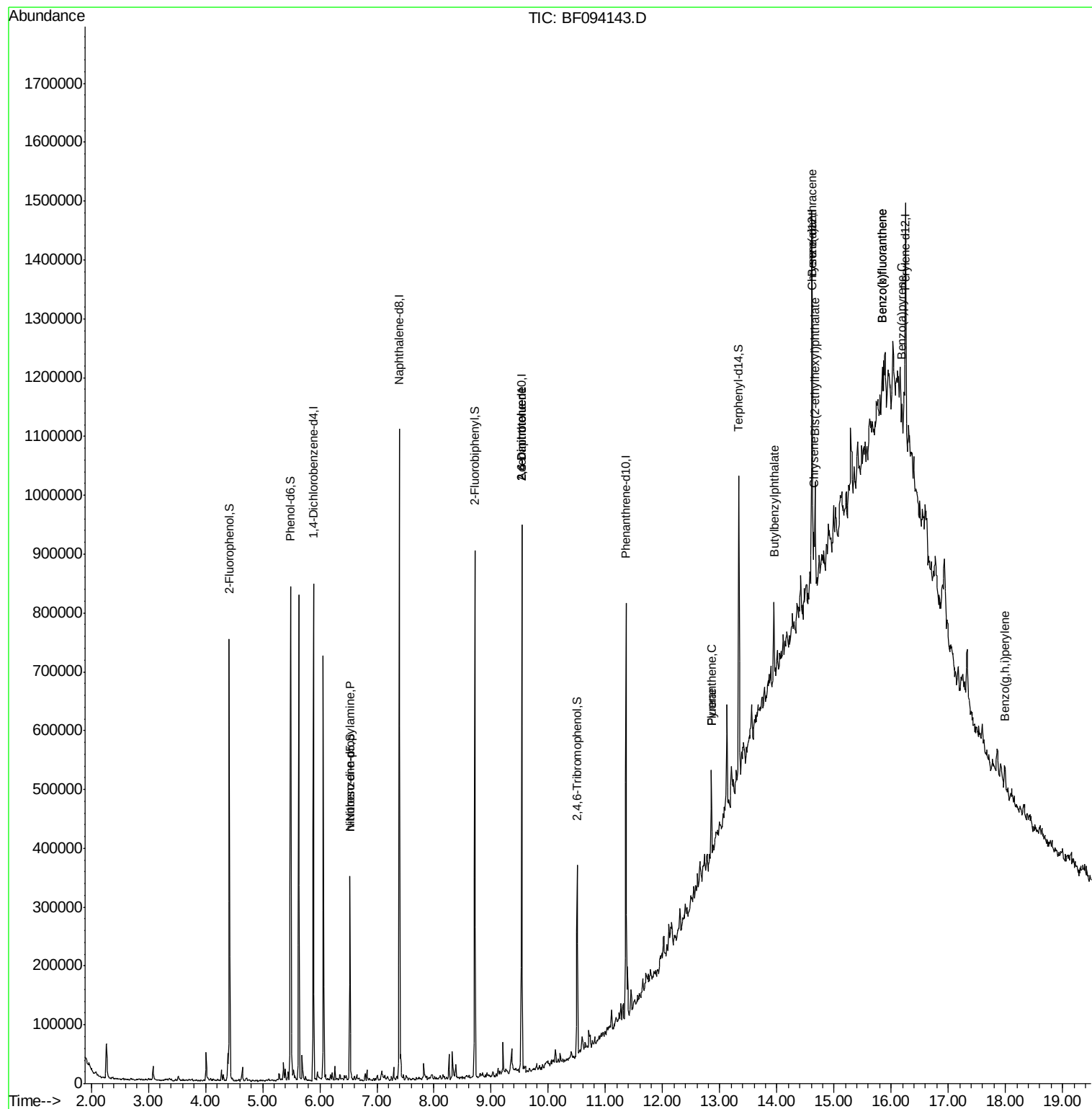
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	132176	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	494811	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	188946	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	275750	20.00	ng	-0.02
75) Chrysene-d12	14.62	240	239770	20.00	ng	-0.01
86) Perylene-d12	16.25	264	168338	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.42	112	220568	28.19	ng	-0.02
7) Phenol-d6	5.49	99	273220	28.22	ng	-0.02
23) Nitrobenzene-d5	6.53	82	110189	12.71	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	33109	22.17	ng	-0.02
44) 2-Fluorobiphenyl	8.72	172	303900	24.53	ng	-0.02
78) Terphenyl-d14	13.33	244	181557	16.97	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.53	70	15277	2.46	ng	# 80
50) 2,6-Dinitrotoluene	9.53	165	25511	8.29	ng	# 33
56) 2,4-Dinitrotoluene	9.53	165	25512	6.60	ng	# 32
74) Fluoranthene	12.85	202	60425	3.85	ng	98
77) Pyrene	12.85	202	45802	2.63	ng	98
79) Butylbenzylphthalate	13.95	149	39313	5.30	ng	# 83
80) Benzo(a)anthracene	14.60	228	33585	2.40	ng	# 87
82) Chrysene	14.64	228	32428	2.50	ng	# 90
83) Bis(2-ethylhexyl)phthalate	14.67	149	61733	6.10	ng	# 98
87) Benzo(b)fluoranthene	15.84	252	54209	5.25	ng	# 58
88) Benzo(k)fluoranthene	15.84	252	54209	5.37	ng	# 61
89) Benzo(a)pyrene	16.19	252	28421	2.99	ng	# 63
91) Benzo(a,h,i)perylene	17.99	276	27166	3.35	ng	# 91

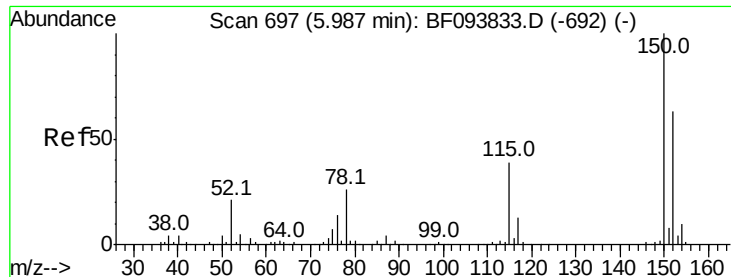
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF094143.D

Acq: 4 Apr 2017 1:31

Instrument :

BNA_F

ClientSampleId :

LSS-SP04-COMP

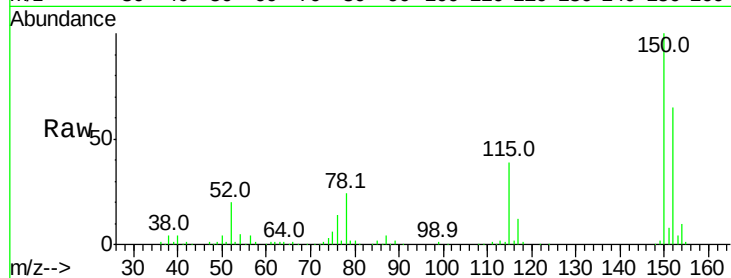
Tot Ion:152 Resp: 132176

Ion Ratio Lower Upper

152 100

150 153.5 126.2 189.2

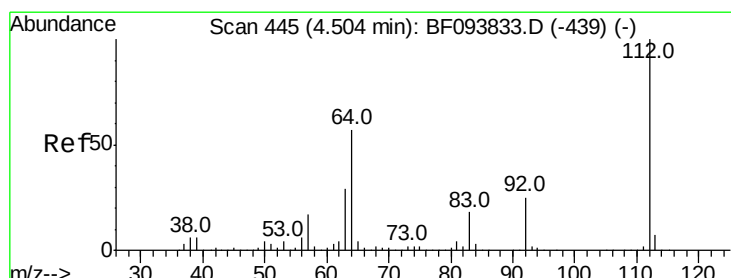
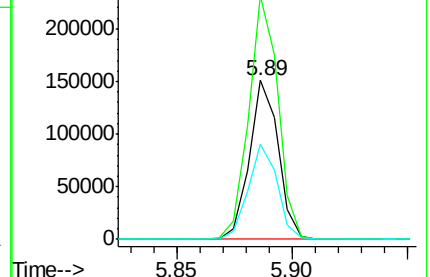
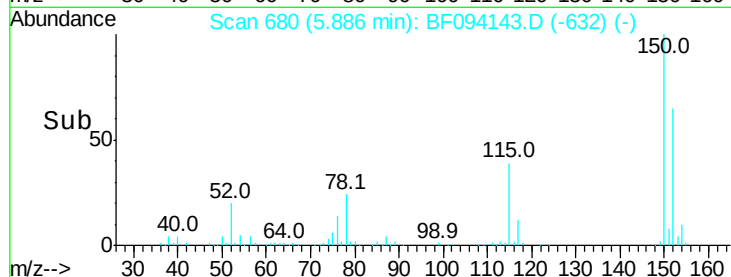
115 60.4 52.2 78.2



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: 28.19 ng

RT: 4.42 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF094143.D

Acq: 4 Apr 2017 1:31

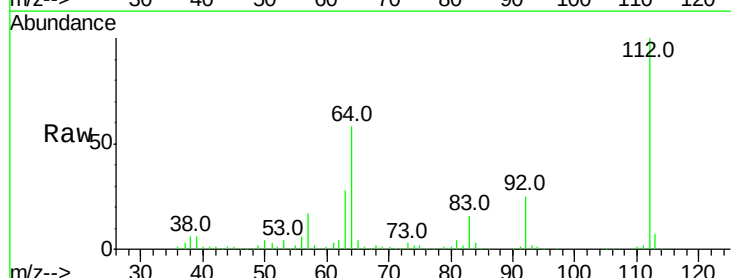
Tgt Ion:112 Resp: 220568

Ion Ratio Lower Upper

112 100

64 58.2 46.0 69.0

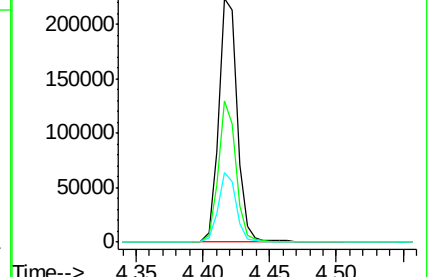
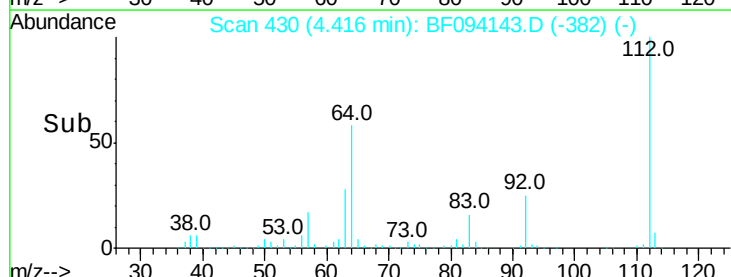
63 28.4 23.4 35.0

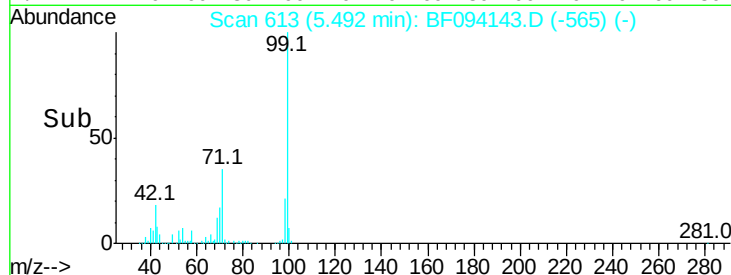
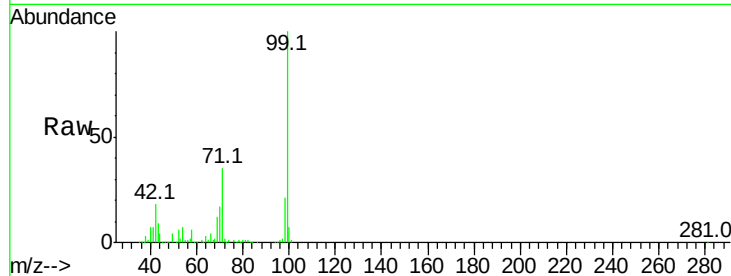
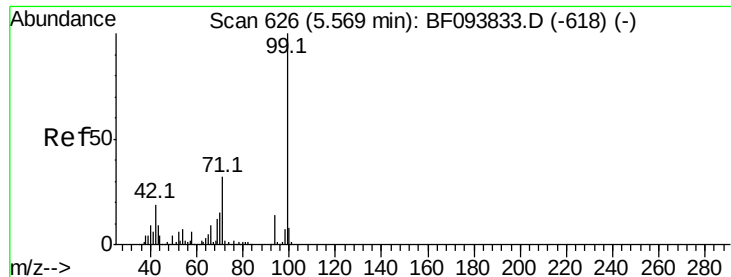


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 28.22 ng

RT: 5.49 min Scan# 613

Delta R.T. -0.02 min

Lab File: BF094143.D

Acq: 4 Apr 2017 1:31

Instrument :

BNA_F

ClientSampleId :

LSS-SP04-COMP

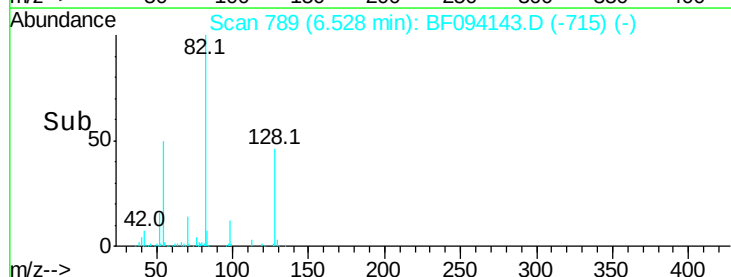
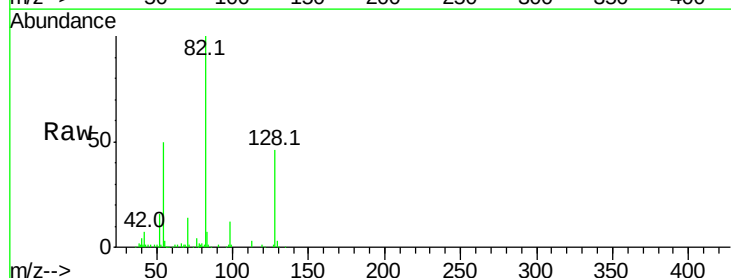
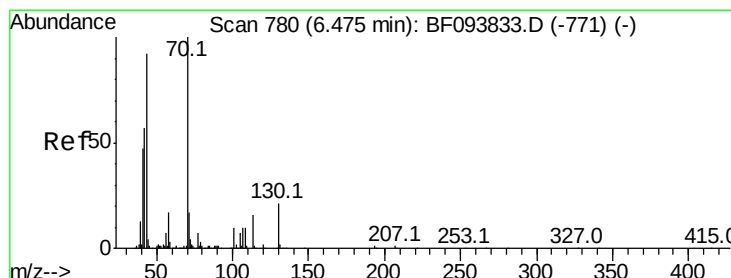
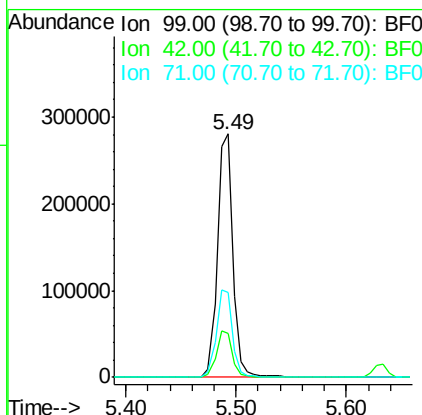
Tot Ion: 99 Resp: 273220

Ion Ratio Lower Upper

99 100

42 18.1 13.5 20.3

71 34.9 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.46 ng

RT: 6.53 min Scan# 789

Delta R.T. 0.14 min

Lab File: BF094143.D

Acq: 4 Apr 2017 1:31

Tgt Ion: 70 Resp: 15277

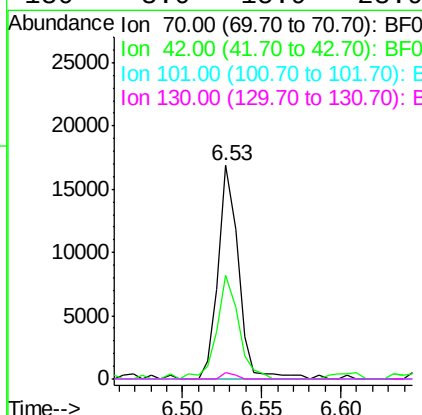
Ion Ratio Lower Upper

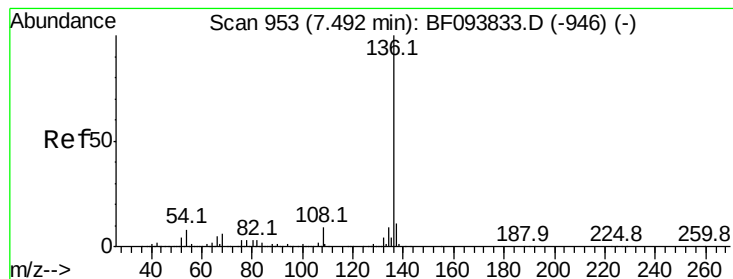
70 100

42 48.6 47.2 70.8

101 0.0 7.2 10.8#

130 3.0 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF094143.D

Acq: 4 Apr 2017 1:31

Instrument :

BNA_F

ClientSampleId :

LSS-SP04-COMP

Tot Ion:136 Resp: 494811

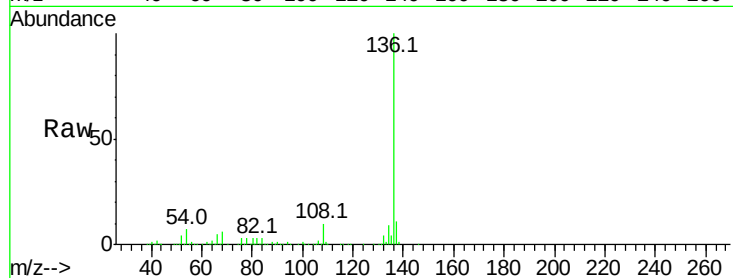
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 7.3 4.9 7.3

68 5.6 4.1 6.1

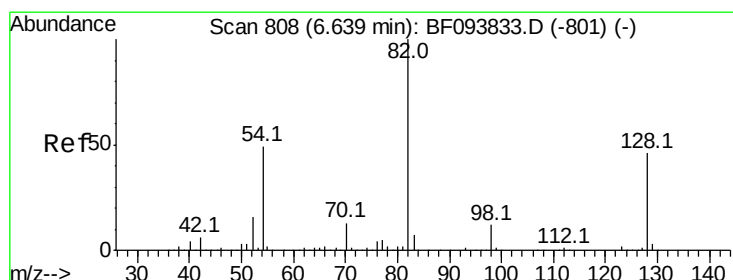
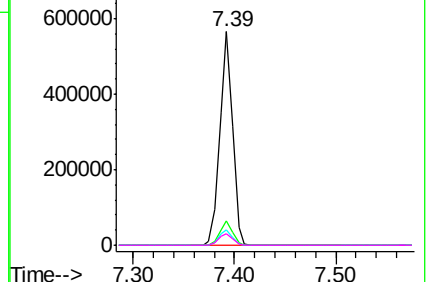
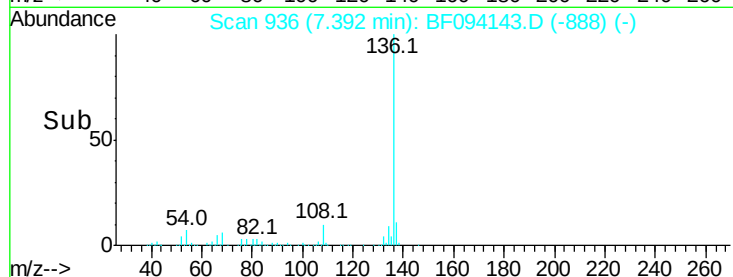


Abundance Ion 136.00 (135.70 to 136.70): E

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: 12.71 ng

RT: 6.53 min Scan# 789

Delta R.T. -0.03 min

Lab File: BF094143.D

Acq: 4 Apr 2017 1:31

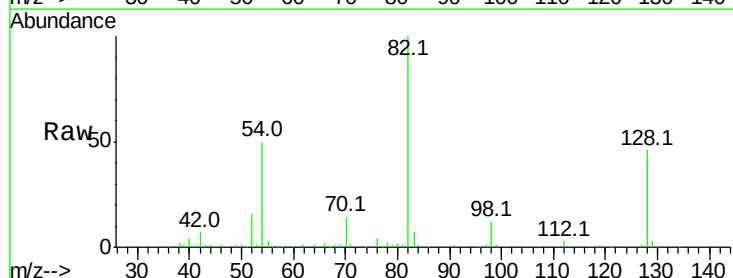
Tgt Ion: 82 Resp: 110189

Ion Ratio Lower Upper

82 100

128 45.6 34.0 51.0

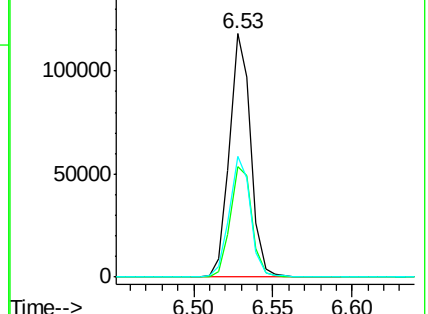
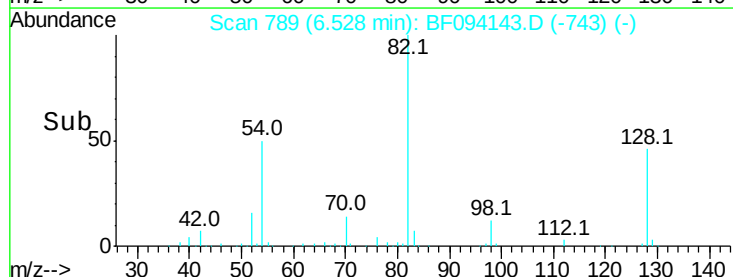
54 49.5 42.2 63.2

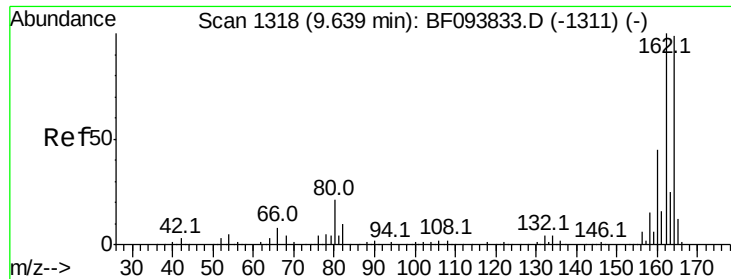


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

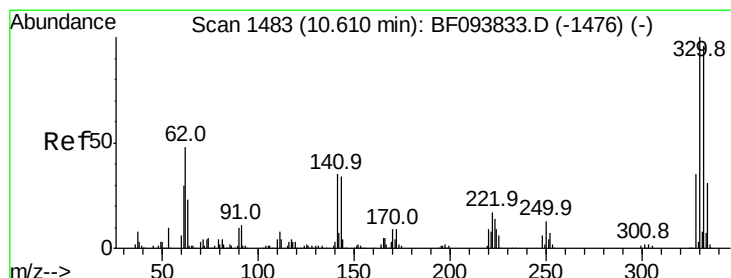
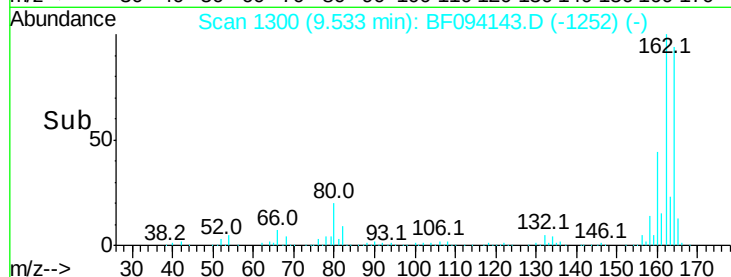
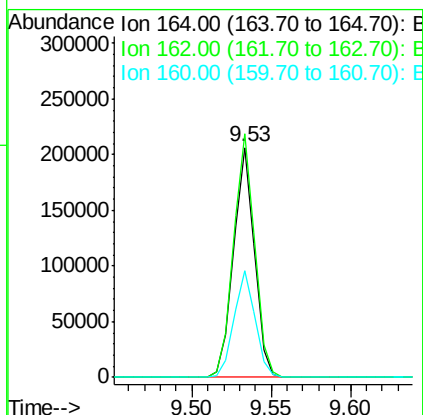
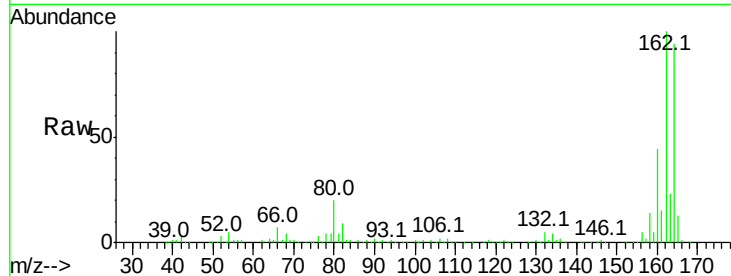




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF094143.D
 Acq: 4 Apr 2017 1:31

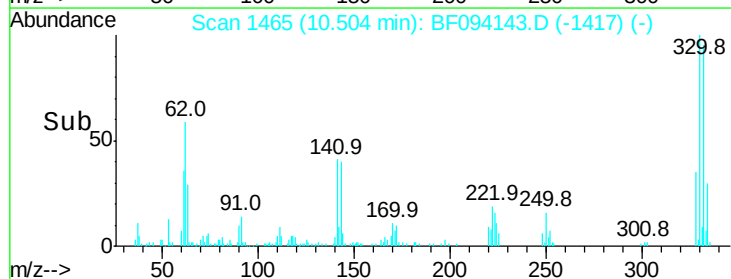
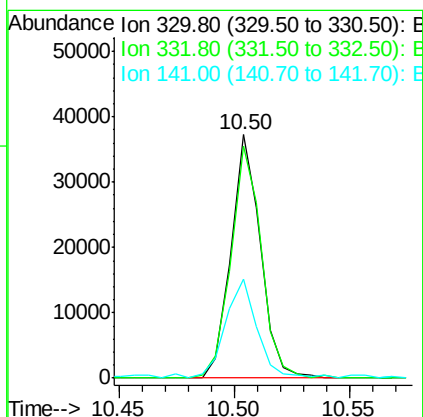
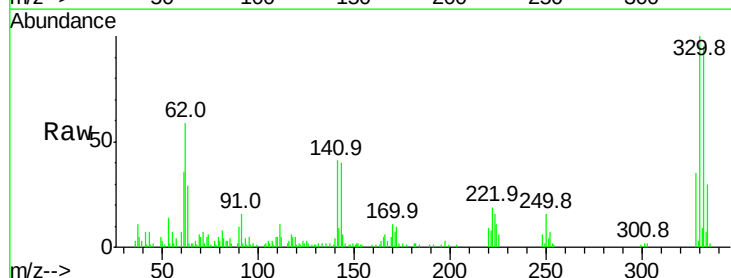
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP04-COMP

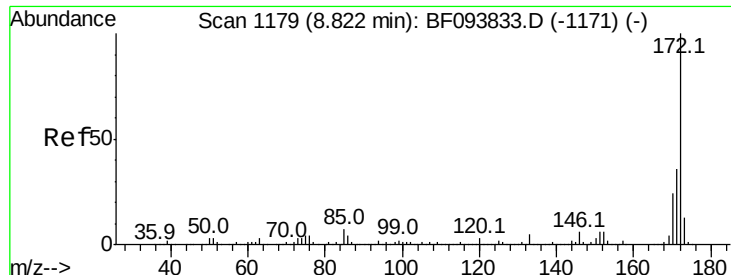
Tot Ion:164 Resp: 188946
 Ion Ratio Lower Upper
 164 100
 162 106.0 82.6 123.8
 160 46.5 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 22.17 ng
 RT: 10.50 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BF094143.D
 Acq: 4 Apr 2017 1:31

Tgt Ion:330 Resp: 33109
 Ion Ratio Lower Upper
 330 100
 332 98.5 76.6 115.0
 141 44.6 31.4 47.2

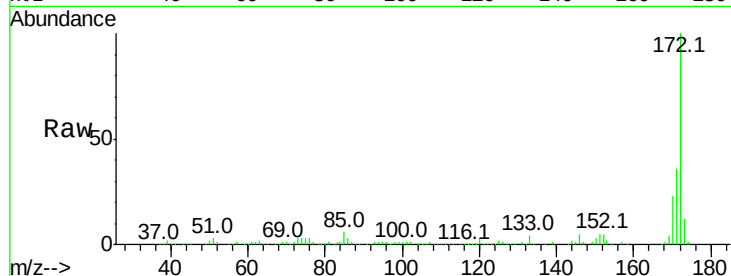




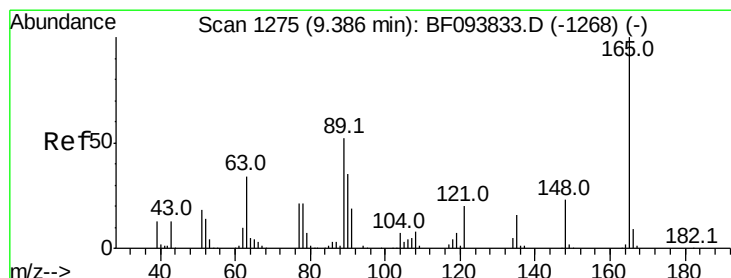
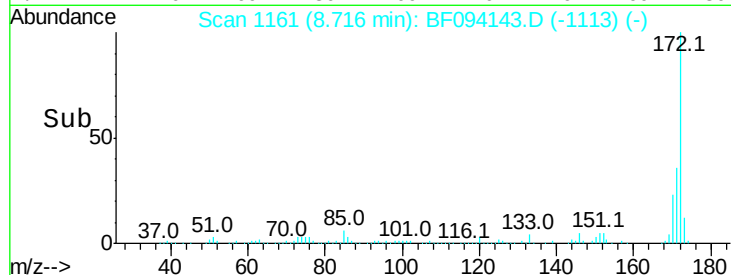
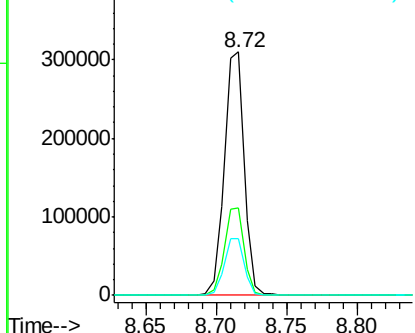
#44
 2-Fluorobiphenyl
 Concen: 24.53 ng
 RT: 8.72 min Scan# 1161
 Delta R.T. -0.02 min
 Lab File: BF094143.D
 Acq: 4 Apr 2017 1:31

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP04-COMP

Tot Ion:172 Resp: 303900
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 23.2 19.8 29.8

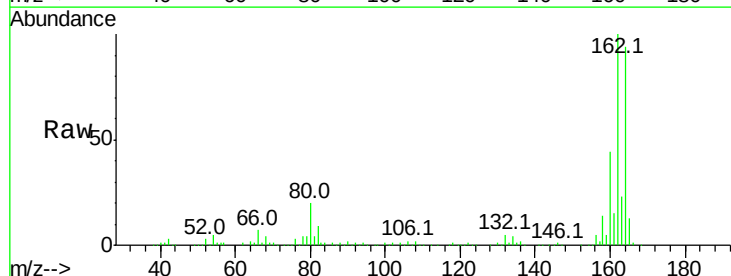


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

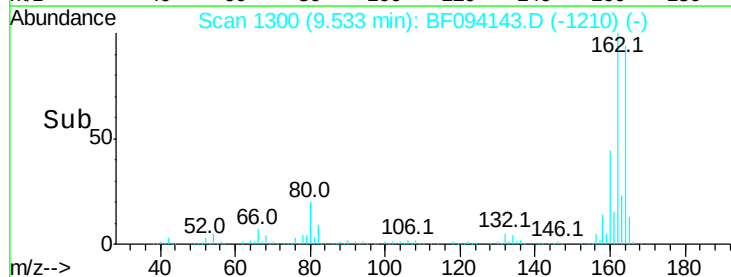
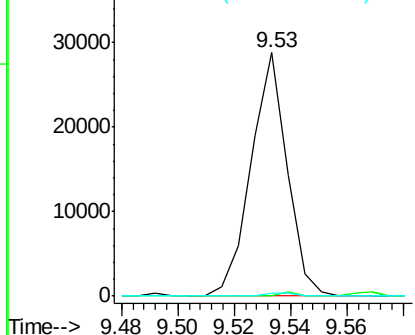


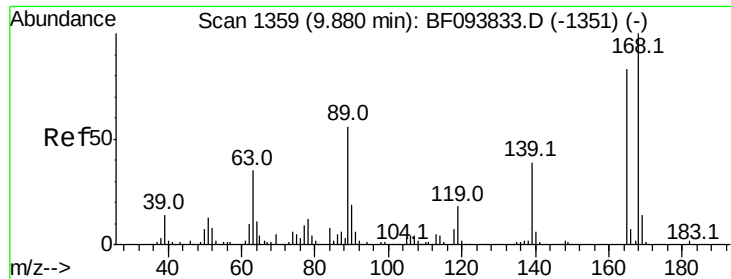
#50
 2,6-Dinitrotoluene
 Concen: 8.29 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. 0.23 min
 Lab File: BF094143.D
 Acq: 4 Apr 2017 1:31

Tgt Ion:165 Resp: 25511
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 1.5 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

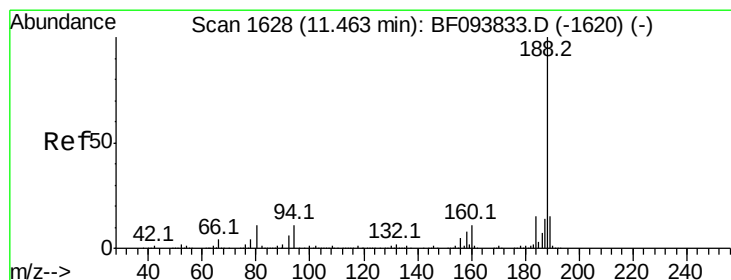
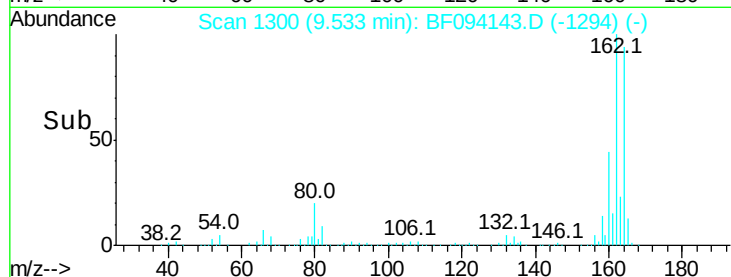
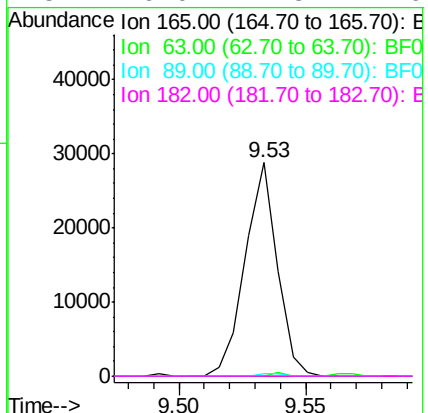
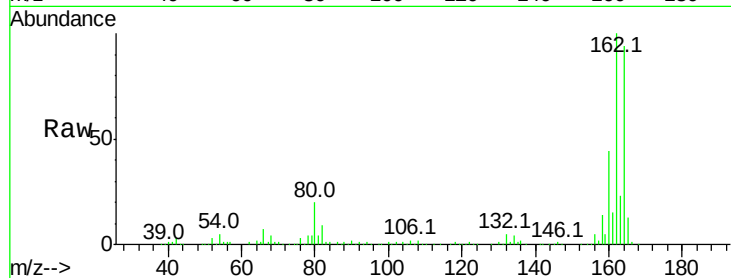




#56
 2,4-Dinitrotoluene
 Concen: 6.60 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.26 min
 Lab File: BF094143.D
 Acq: 4 Apr 2017 1:31

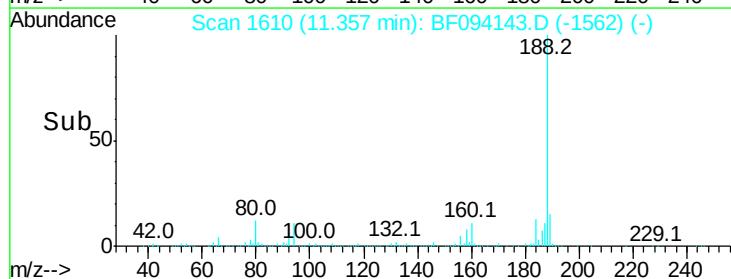
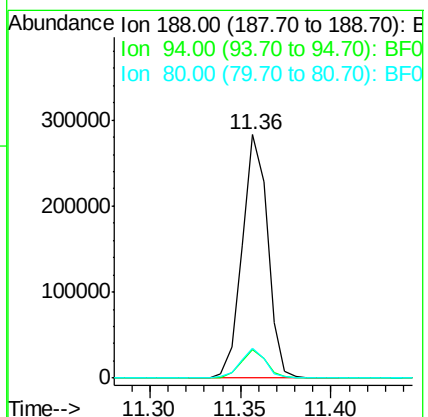
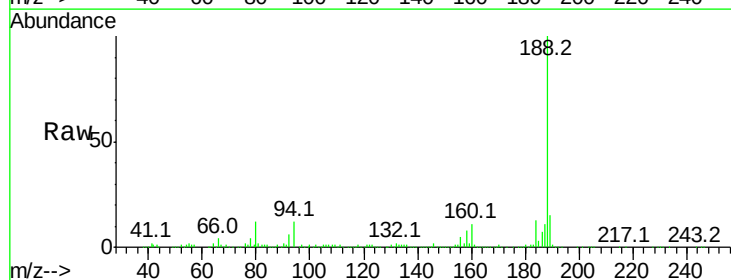
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 LSS-SP04-COMP

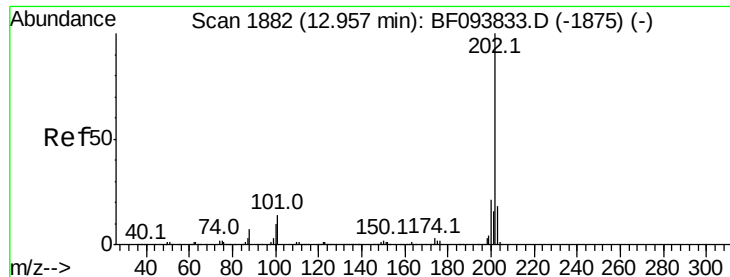
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. -0.02 min
 Lab File: BF094143.D
 Acq: 4 Apr 2017 1:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.6	9.4	14.2
80	12.1	10.2	15.2





#74

Fluoranthene

Concen: 3.85 ng

RT: 12.85 min Scan# 1864

Delta R.T. -0.02 min

Lab File: BF094143.D

Acq: 4 Apr 2017 1:31

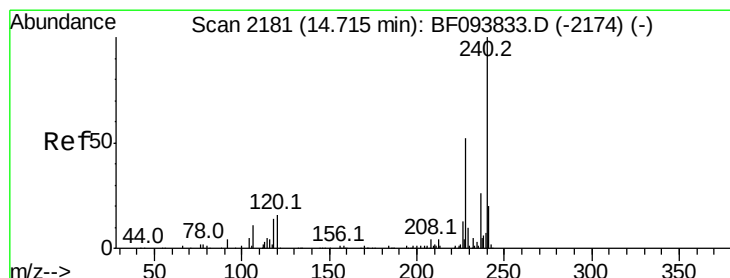
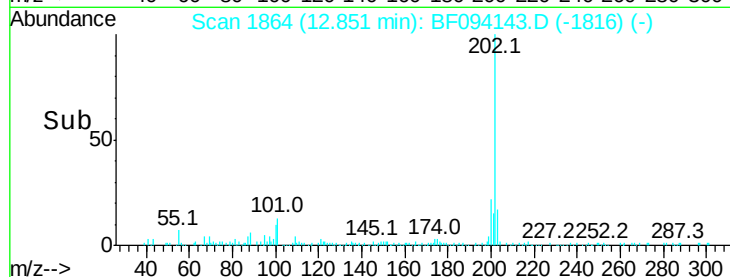
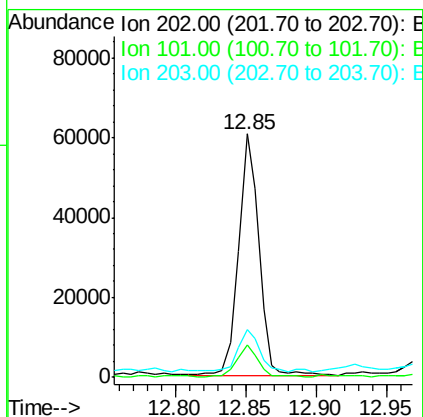
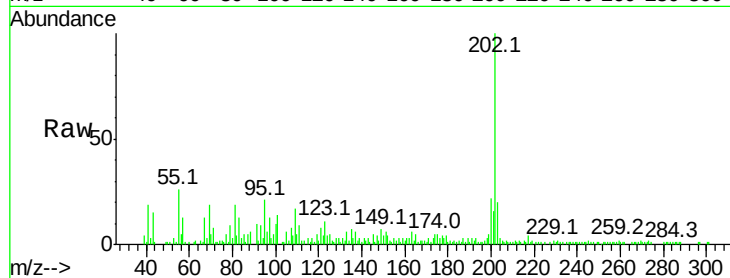
Instrument :

BNA_F

ClientSampleId :

LSS-SP04-COMP

Tot Ion:	202	Resp:	60425
Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	33.2
203	19.6	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

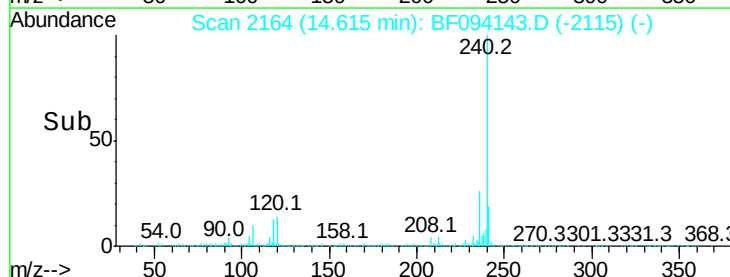
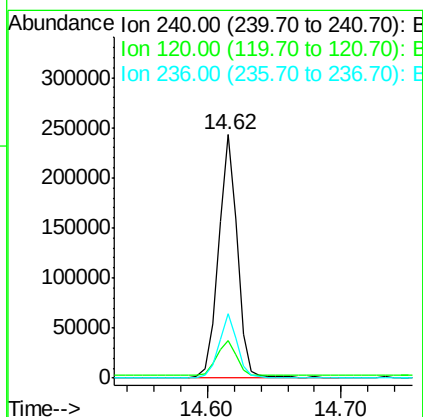
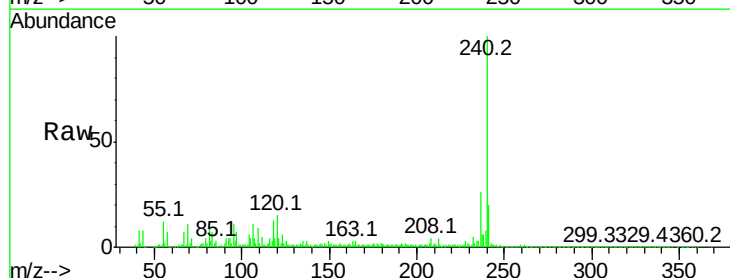
RT: 14.62 min Scan# 2164

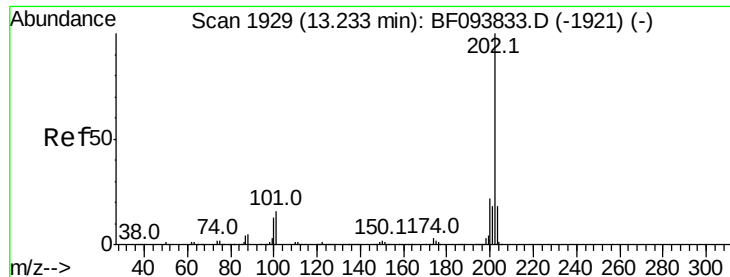
Delta R.T. -0.01 min

Lab File: BF094143.D

Acq: 4 Apr 2017 1:31

Tgt Ion:	240	Resp:	239770
Ion	Ratio	Lower	Upper
240	100		
120	15.5	5.8	8.8#
236	26.3	20.5	30.7

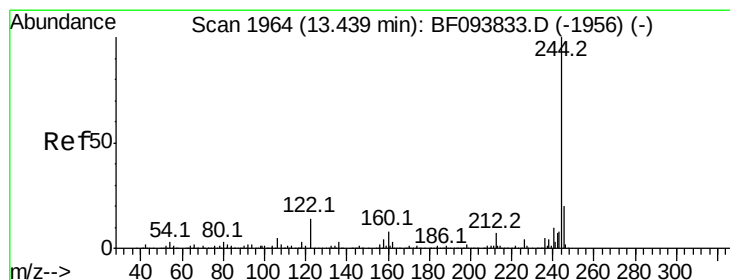
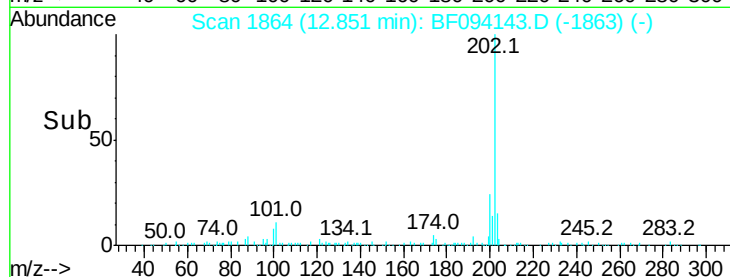
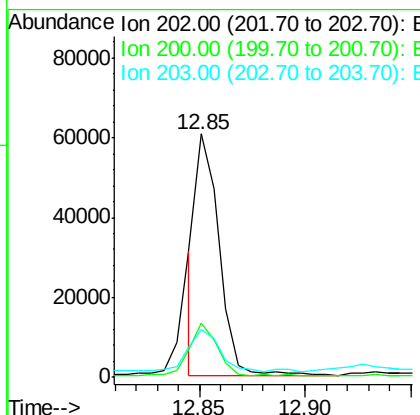
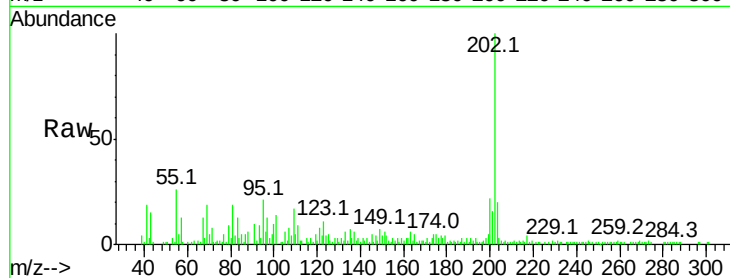




#77
Pvrene
Concen: 2.63 ng
RT: 12.85 min Scan# 1864
Delta R.T. -0.29 min
Lab File: BF094143.D
Acq: 4 Apr 2017 1:31

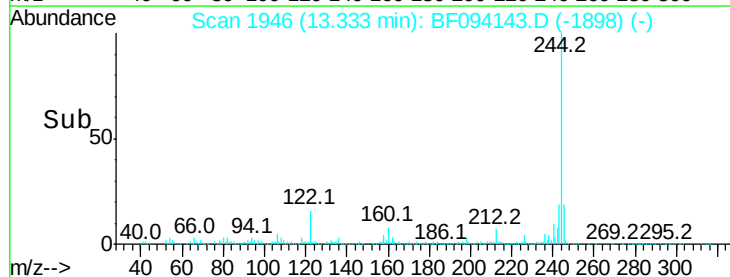
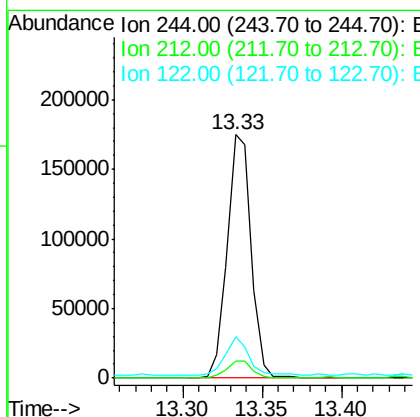
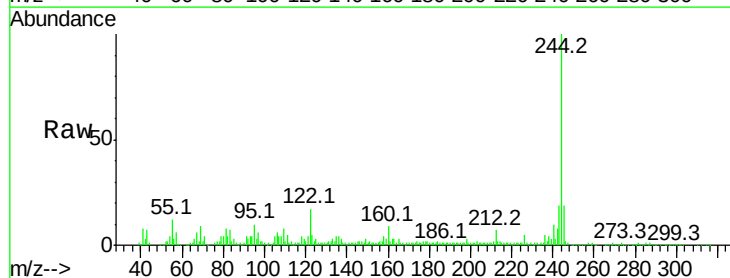
Instrument :
BNA_F
ClientSampleId :
LSS-SP04-COMP

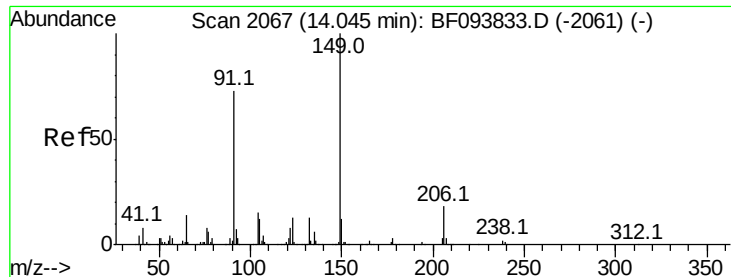
Tot Ion:202 Resp: 45802
Ion Ratio Lower Upper
202 100
200 22.5 17.6 26.4
203 19.6 14.4 21.6



#78
Terphenyl-d14
Concen: 16.97 ng
RT: 13.33 min Scan# 1946
Delta R.T. -0.02 min
Lab File: BF094143.D
Acq: 4 Apr 2017 1:31

Tgt Ion:244 Resp: 181557
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 16.9 10.3 15.5#

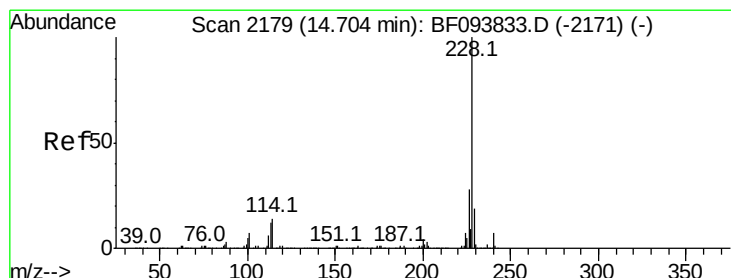
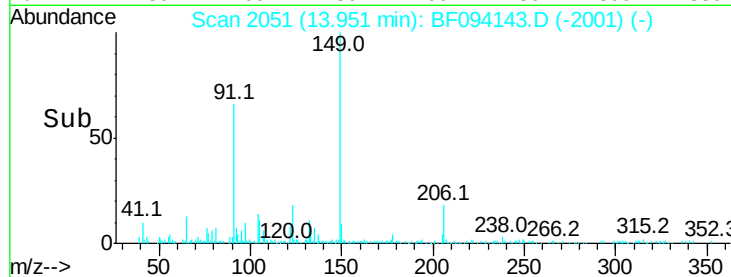
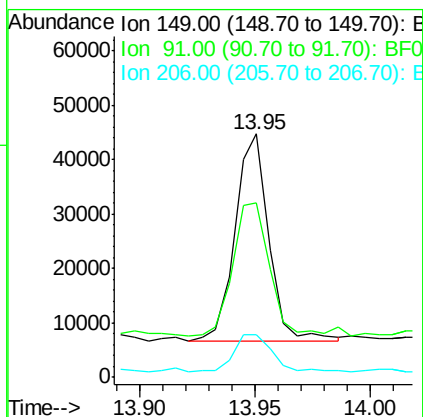
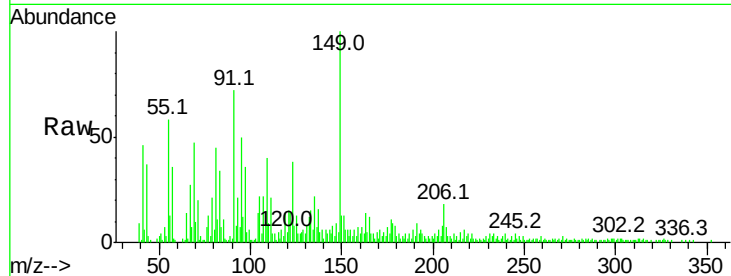




#79
Butylbenzylphthalate
Concen: 5.30 ng
RT: 13.95 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF094143.D
Acq: 4 Apr 2017 1:31

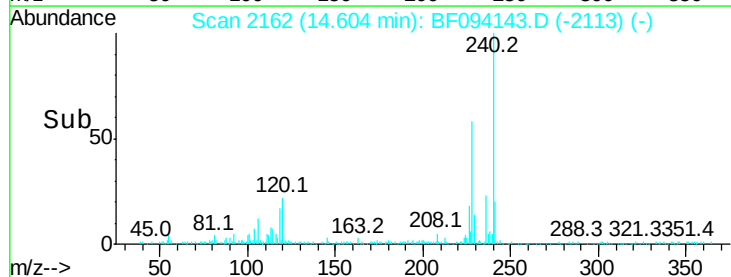
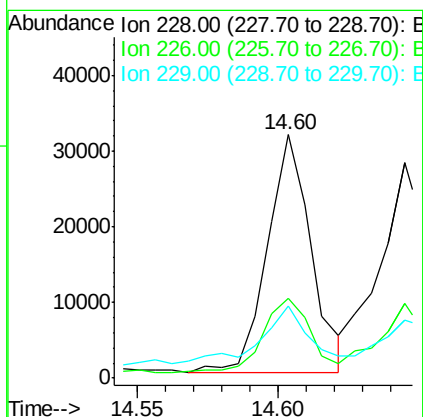
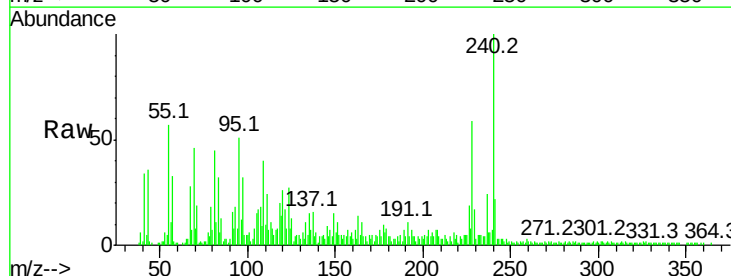
Instrument :
BNA_F
ClientSampleId :
LSS-SP04-COMP

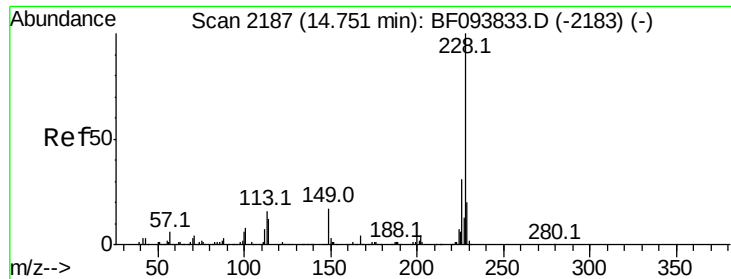
Tot Ion	Ratio	Lower	Upper
149	100		
91	71.7	45.0	67.4#
206	17.7	17.0	25.6



#80
Benzo(a)anthracene
Concen: 2.40 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF094143.D
Acq: 4 Apr 2017 1:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.6	33.8
229	29.4	16.3	24.5#

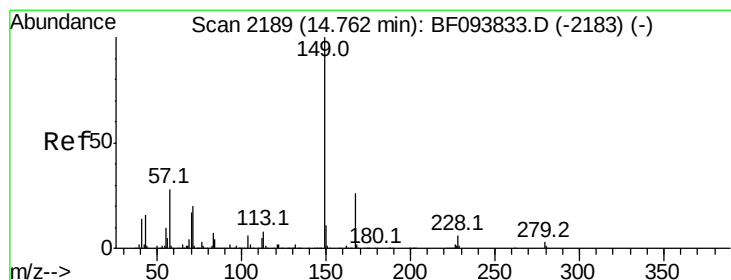
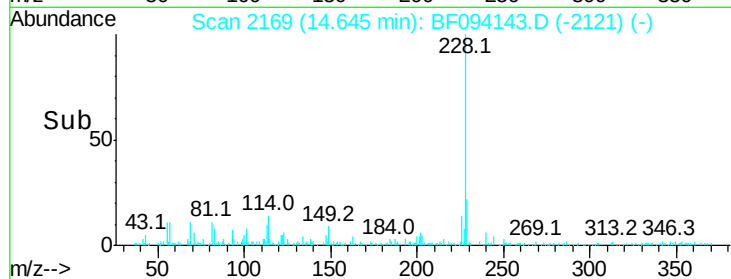
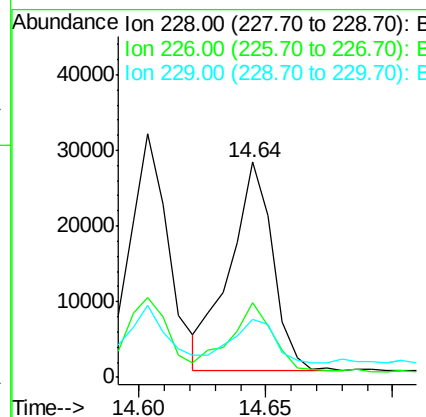
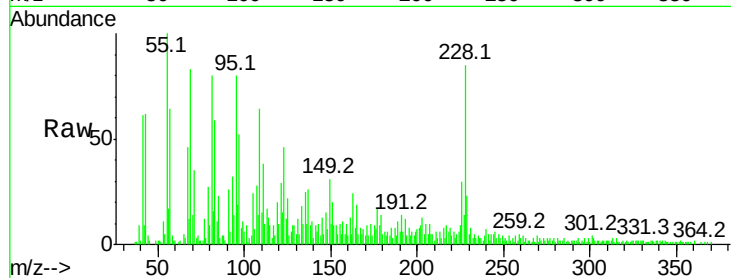




#82
 Chrysene
 Concen: 2.50 ng
 RT: 14.64 min Scan# 2169
 Delta R.T. -0.02 min
 Lab File: BF094143.D
 Acq: 4 Apr 2017 1:31

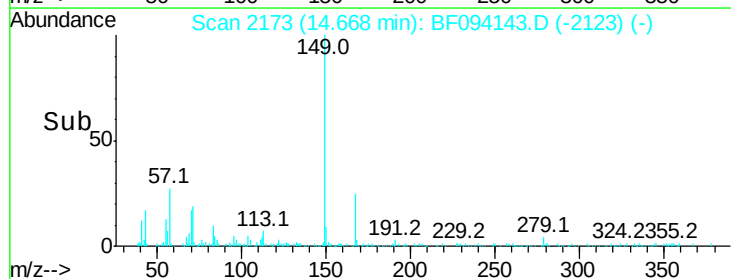
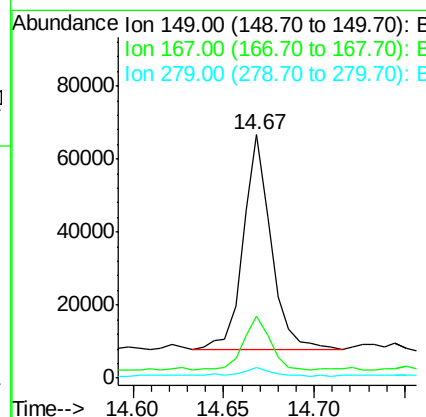
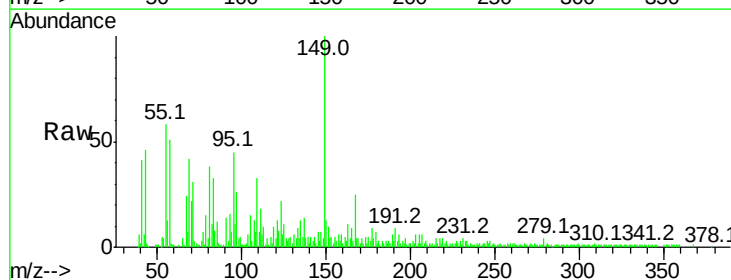
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP04-COMP

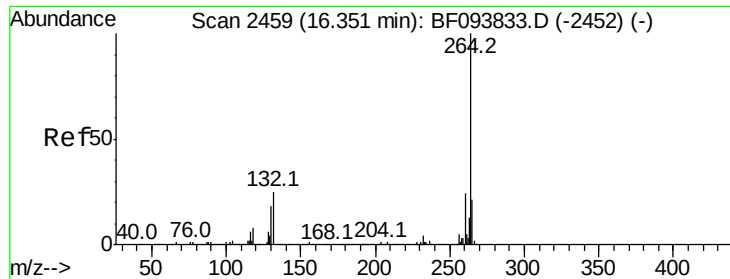
Tot Ion	Ratio	Lower	Upper
228	100		
226	34.9	24.9	37.3
229	26.7	15.8	23.6



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.10 ng
 RT: 14.67 min Scan# 2173
 Delta R.T. -0.01 min
 Lab File: BF094143.D
 Acq: 4 Apr 2017 1:31

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.4	21.0	31.4
279	4.3	1.9	2.9

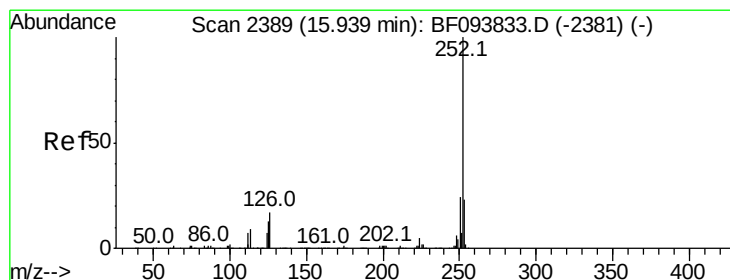
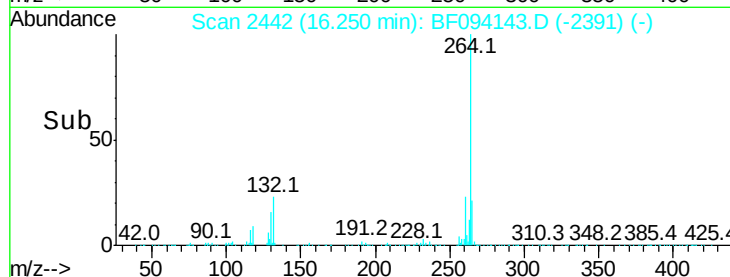
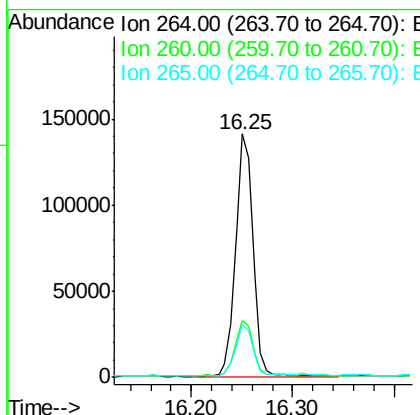
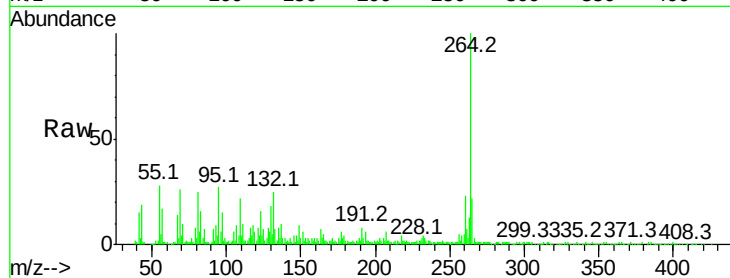




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.25 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BF094143.D
Acq: 4 Apr 2017 1:31

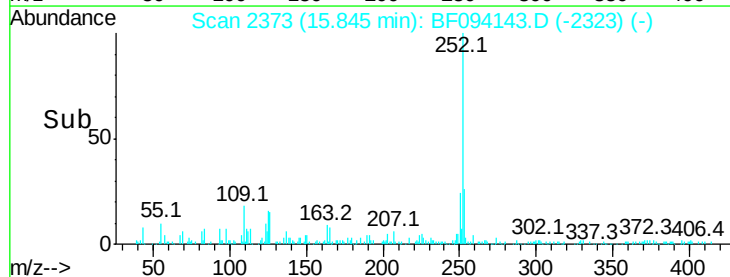
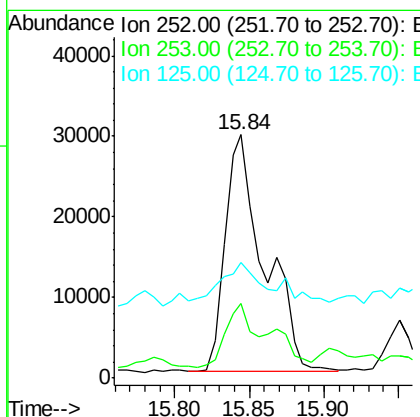
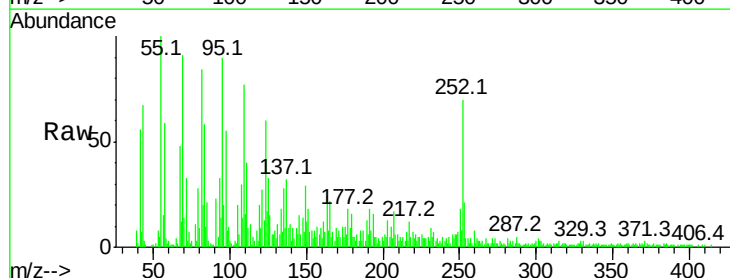
Instrument :
BNA_F
ClientSampleId :
LSS-SP04-COMP

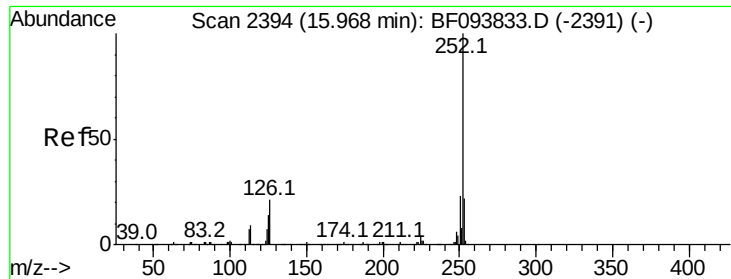
Tot Ion:264 Resp: 168338
Ion Ratio Lower Upper
264 100
260 23.2 19.5 29.3
265 21.8 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 5.25 ng
RT: 15.84 min Scan# 2373
Delta R.T. -0.01 min
Lab File: BF094143.D
Acq: 4 Apr 2017 1:31

Tgt Ion:252 Resp: 54209
Ion Ratio Lower Upper
252 100
253 30.5 18.1 27.1#
125 47.4 9.8 14.8#

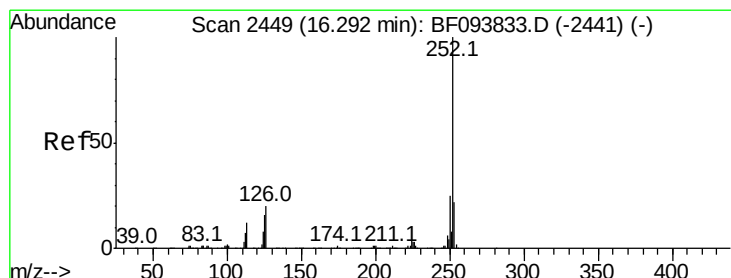
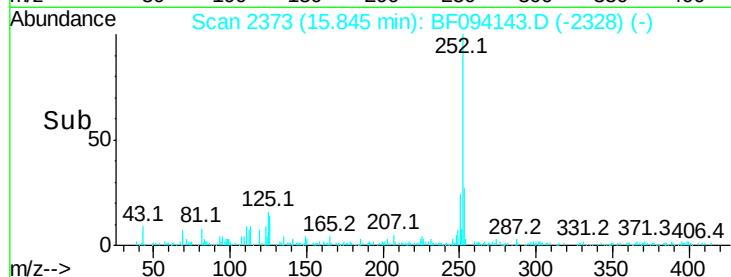
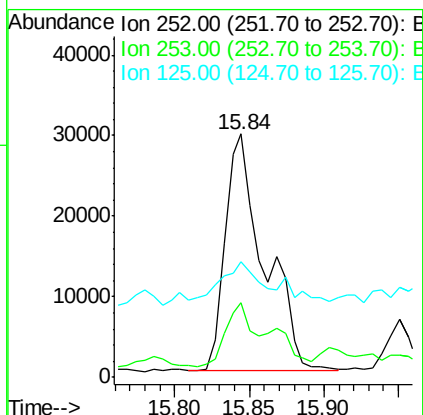
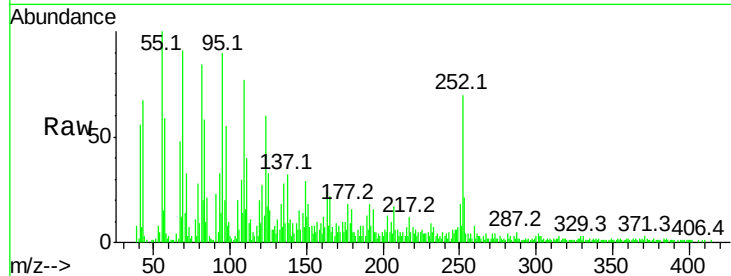




#88
Benzo(k)fluoranthene
Concen: 5.37 ng
RT: 15.84 min Scan# 2373
Delta R.T. -0.04 min
Lab File: BF094143.D
Acq: 4 Apr 2017 1:31

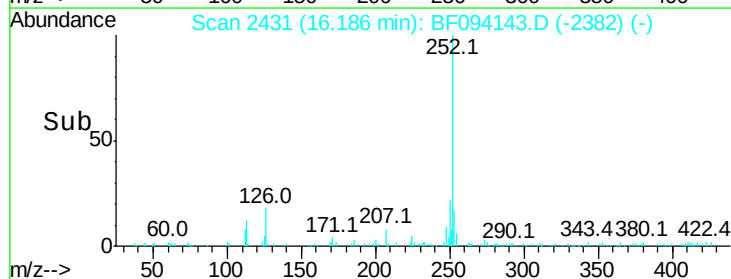
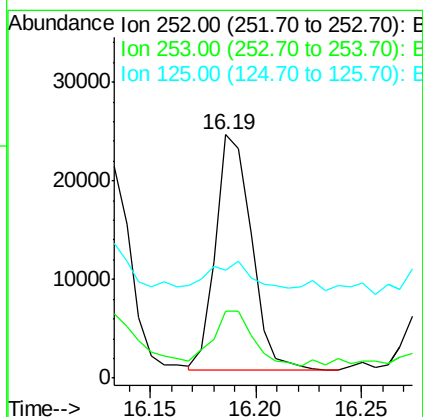
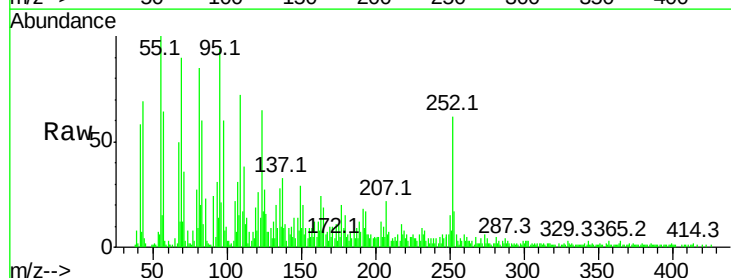
Instrument :
BNA_F
ClientSampleId :
LSS-SP04-COMP

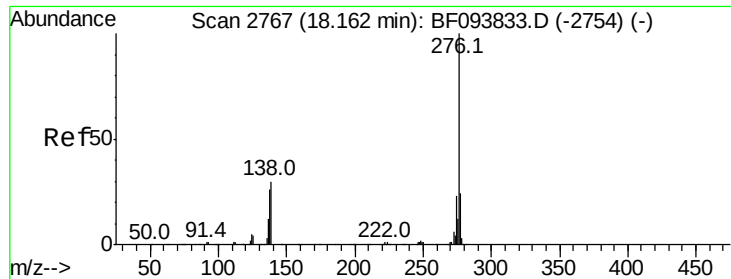
Tot Ion:252 Resp: 54209
Ion Ratio Lower Upper
252 100
253 30.5 18.4 27.6#
125 47.4 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 2.99 ng
RT: 16.19 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BF094143.D
Acq: 4 Apr 2017 1:31

Tgt Ion:252 Resp: 28421
Ion Ratio Lower Upper
252 100
253 27.7 17.5 26.3#
125 44.5 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 3.35 ng

RT: 17.99 min Scan# 2738

Delta R.T. -0.02 min

Lab File: BF094143.D

Acq: 4 Apr 2017 1:31

Instrument :

BNA_F

ClientSampleId :

LSS-SP04-COMP

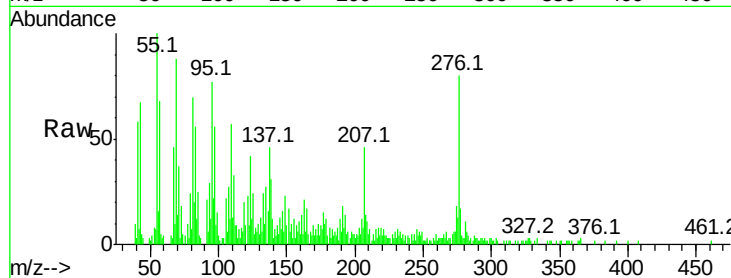
Tot Ion:276 Resp: 27166

Ion Ratio Lower Upper

276 100

277 20.9 18.6 28.0

138 38.5 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

