

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094135.D
 Acq On : 3 Apr 2017 21:50
 Operator : SJ/MA
 Sample : I2493-10 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP08-COMP

Quant Time: Apr 04 01:07:02 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

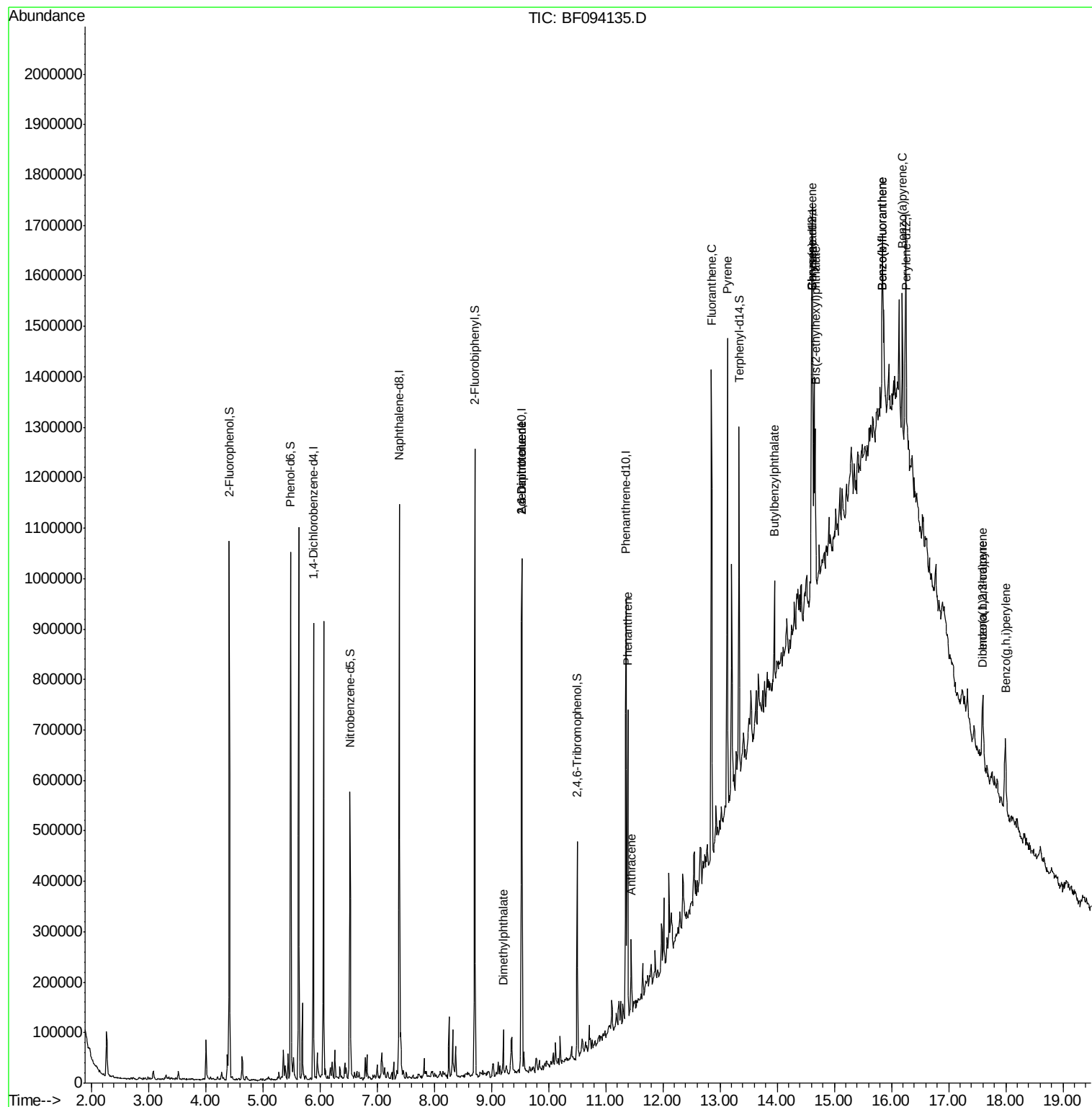
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	140497	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	533454	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	220308	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	323744	20.00	ng	-0.02
75) Chrysene-d12	14.62	240	251789	20.00	ng	-0.01
86) Perylene-d12	16.25	264	188240	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.42	112	288556	34.69	ng	-0.02
7) Phenol-d6	5.49	99	357247	34.72	ng	-0.02
23) Nitrobenzene-d5	6.53	82	174932	18.71	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	48889	28.08	ng	-0.02
44) 2-Fluorobiphenyl	8.71	172	404536	28.01	ng	-0.02
78) Terphenyl-d14	13.33	244	232195	20.67	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.21	163	33573	2.14	ng	98
50) 2,6-Dinitrotoluene	9.53	165	28500	7.94	ng	# 34
56) 2,4-Dinitrotoluene	9.53	165	28500	6.32	ng	# 34
70) Phenanthrene	11.39	178	242305	13.45	ng	98
71) Anthracene	11.45	178	63814	3.44	ng	97
74) Fluoranthene	12.85	202	431085	23.38	ng	100
77) Pyrene	13.13	202	395883	21.66	ng	97
79) Butylbenzylphthalate	13.95	149	55931	7.18	ng	# 84
80) Benzo(a)anthracene	14.60	228	191554	13.05	ng	97
82) Chrysene	14.60	228	191554	14.06	ng	97
83) Bis(2-ethylhexyl)phthalate	14.67	149	109180	10.28	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.59	276	88047	7.46	ng	94
87) Benzo(b)fluoranthene	15.84	252	286522	24.83	ng	# 93
88) Benzo(k)fluoranthene	15.84	252	286522	25.38	ng	# 97
89) Benzo(a)pyrene	16.19	252	138989	13.08	ng	# 92
90) Dibenzo(a,h)anthracene	17.61	278	22861	2.54	ng	# 79
91) Benzo(a,h,i)perylene	17.99	276	102434	11.30	ng	98

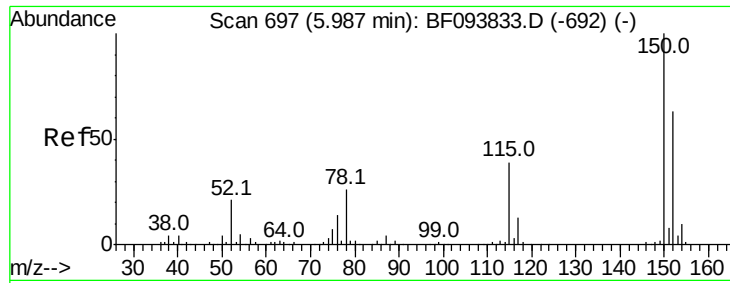
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF094135.D

Acq: 3 Apr 2017 21:50

Instrument :

BNA_F

ClientSampleId :

LSS-SP08-COMP

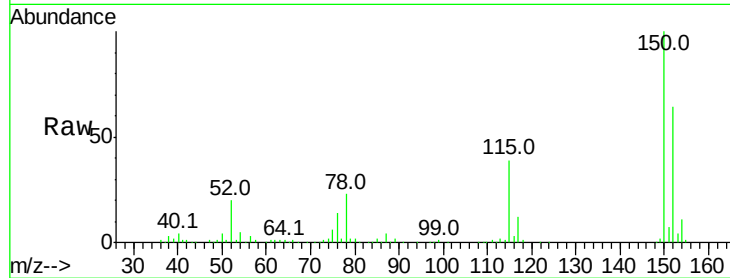
Tot Ion:152 Resp: 140497

Ion Ratio Lower Upper

152 100

150 156.8 126.2 189.2

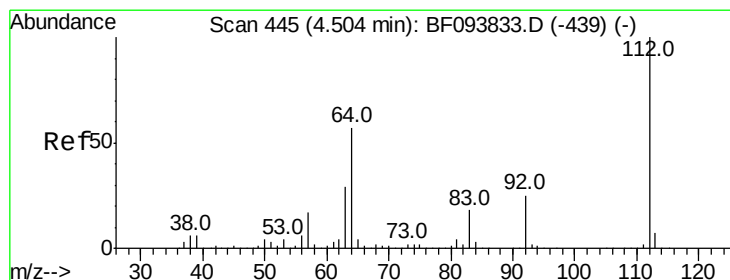
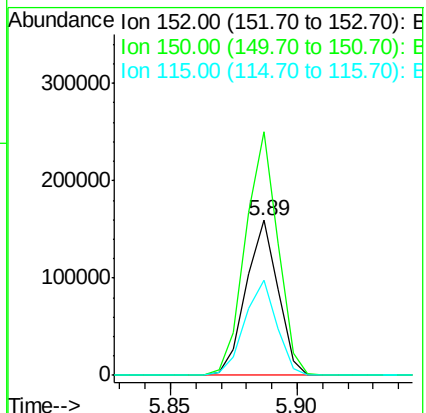
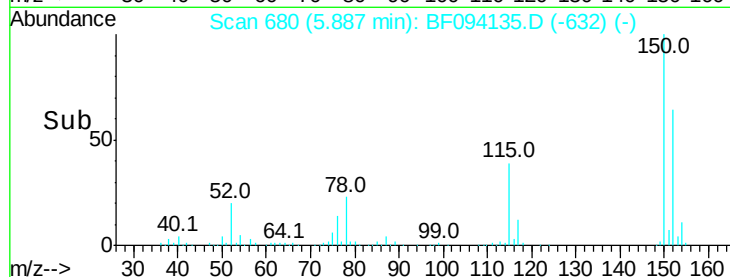
115 61.4 52.2 78.2



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: 34.69 ng

RT: 4.42 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF094135.D

Acq: 3 Apr 2017 21:50

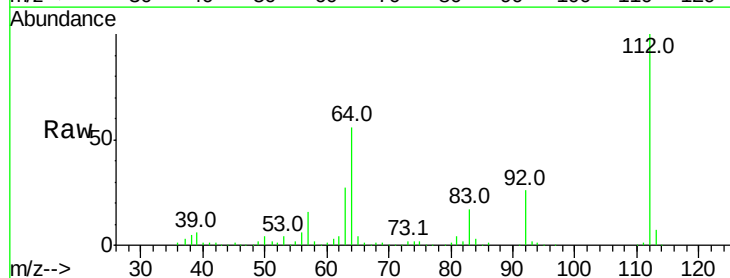
Tgt Ion:112 Resp: 288556

Ion Ratio Lower Upper

112 100

64 56.3 46.0 69.0

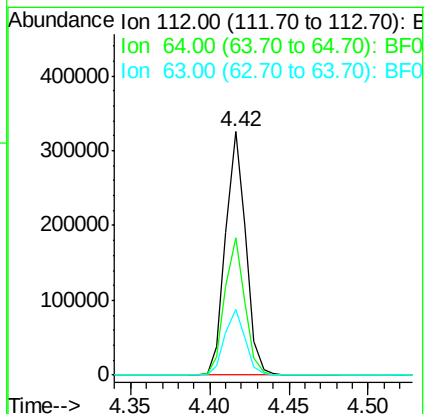
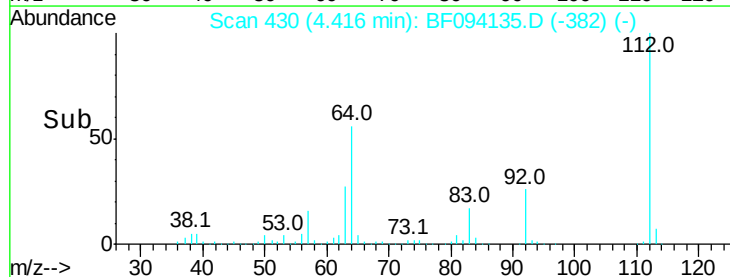
63 26.9 23.4 35.0

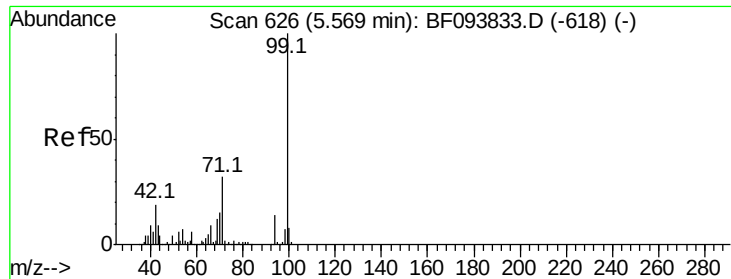


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 34.72 ng

RT: 5.49 min Scan# 612

Delta R.T. -0.02 min

Lab File: BF094135.D

Acq: 3 Apr 2017 21:50

Instrument :

BNA_F

ClientSampleId :

LSS-SP08-COMP

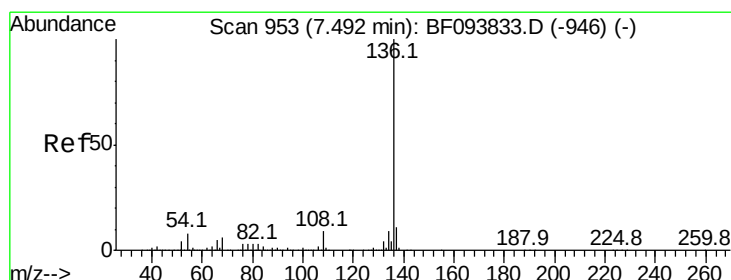
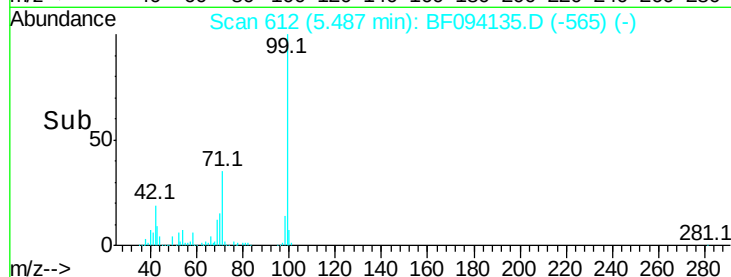
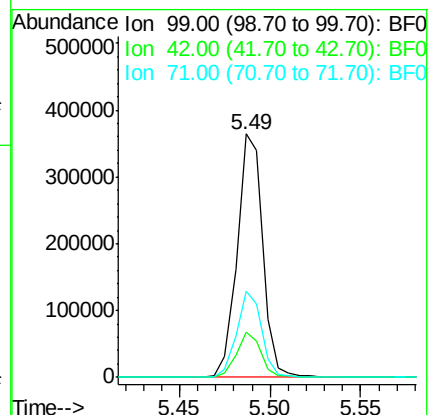
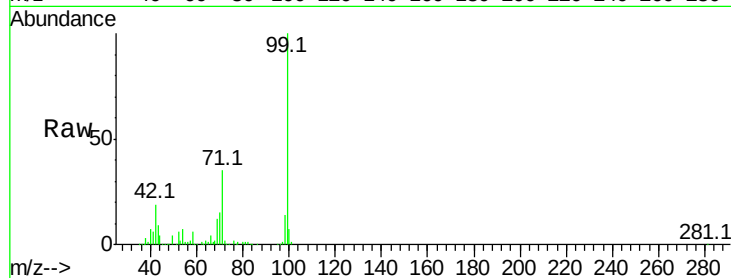
Tot Ion: 99 Resp: 357247

Ion Ratio Lower Upper

99 100

42 18.7 13.5 20.3

71 35.5 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: BF094135.D

Acq: 3 Apr 2017 21:50

Tgt Ion: 136 Resp: 533454

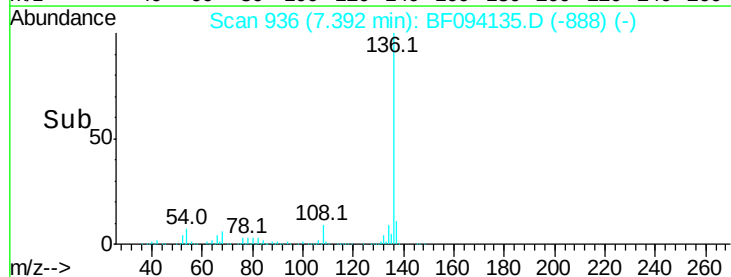
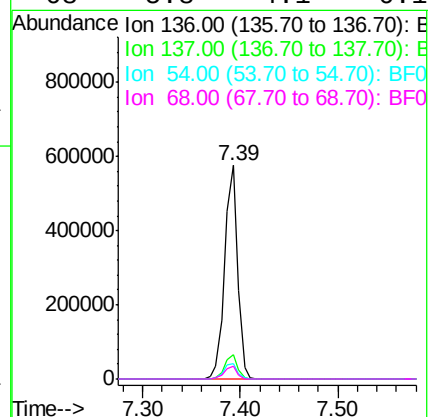
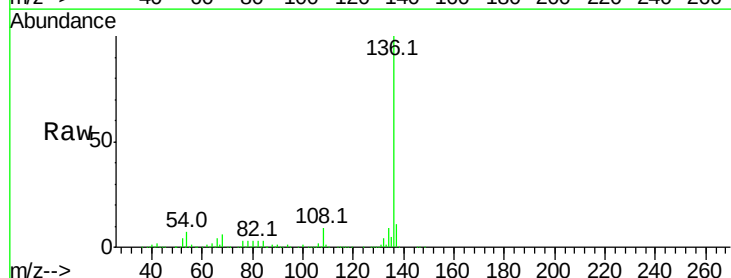
Ion Ratio Lower Upper

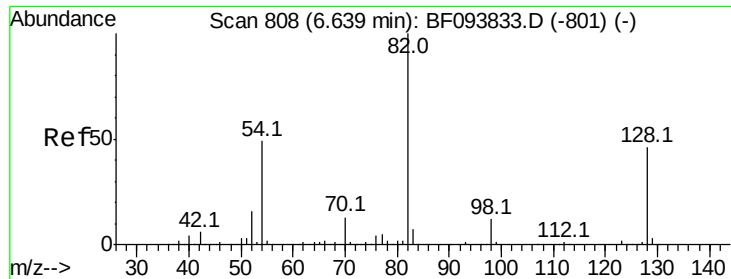
136 100

137 11.2 8.5 12.7

54 7.1 4.9 7.3

68 5.8 4.1 6.1

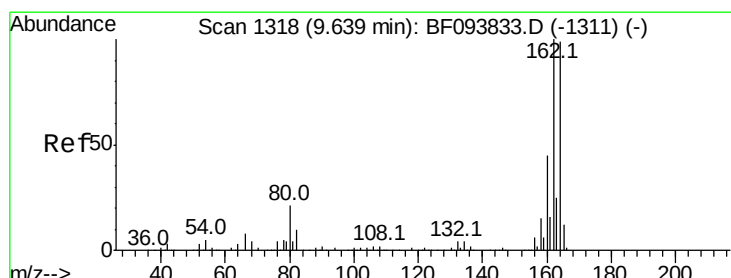
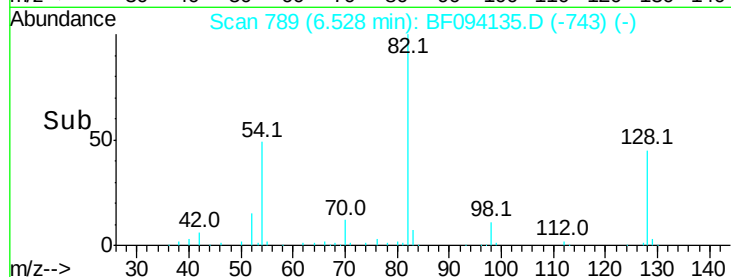
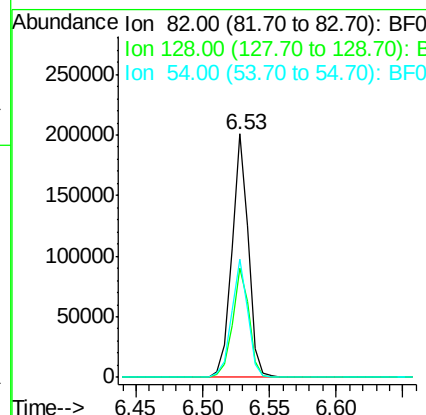
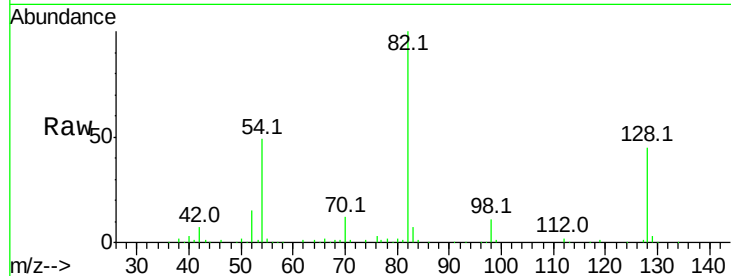




#23
 Nitrobenzene-d5
 Concen: 18.71 ng
 RT: 6.53 min Scan# 789
 Delta R.T. -0.03 min
 Lab File: BF094135.D
 Acq: 3 Apr 2017 21:50

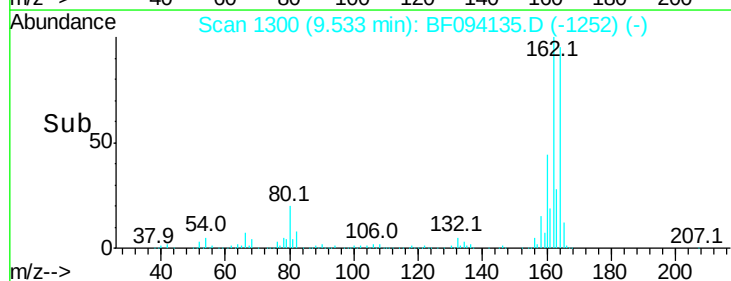
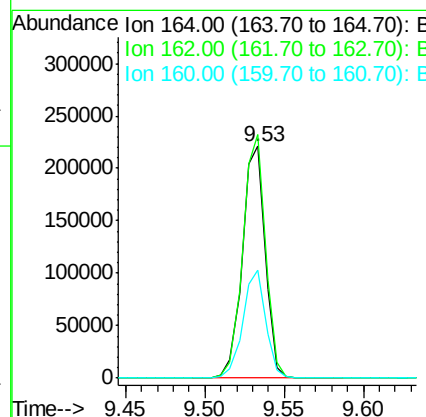
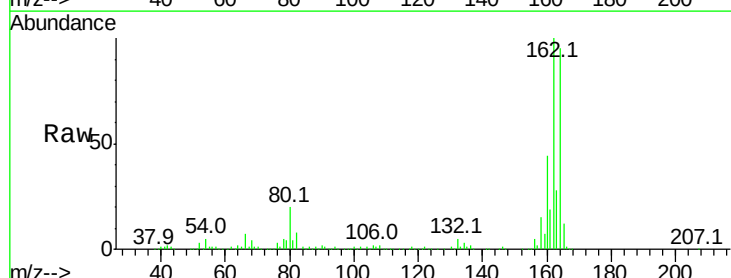
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP08-COMP

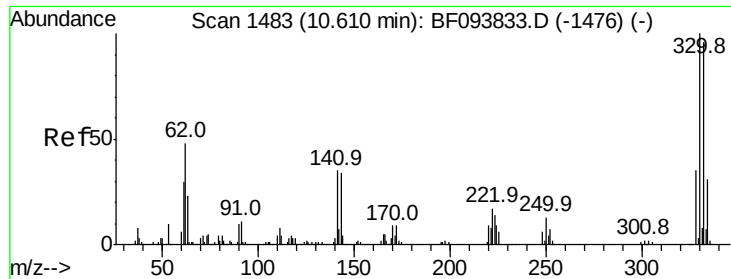
Tot Ion: 82 Resp: 174932
 Ion Ratio Lower Upper
 82 100
 128 44.7 34.0 51.0
 54 48.8 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF094135.D
 Acq: 3 Apr 2017 21:50

Tgt Ion:164 Resp: 220308
 Ion Ratio Lower Upper
 164 100
 162 105.1 82.6 123.8
 160 46.5 36.2 54.2

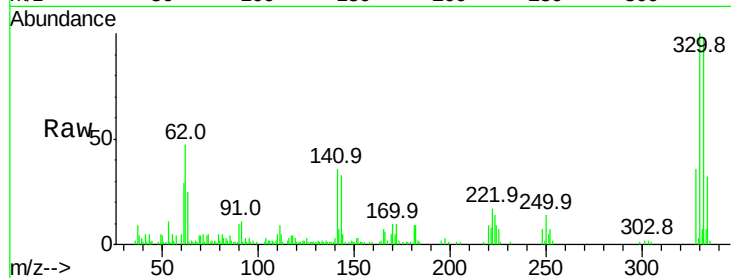




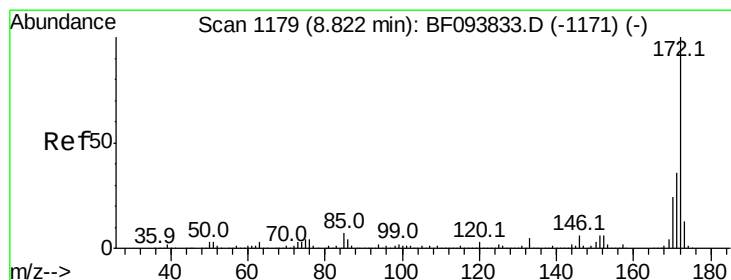
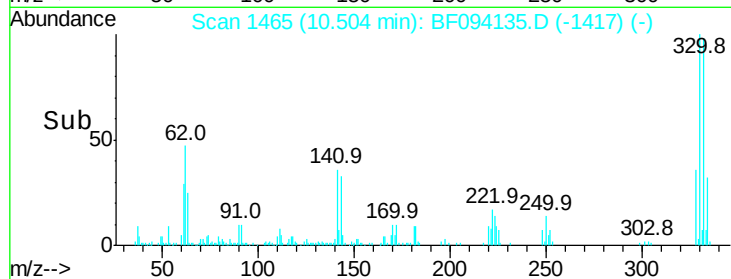
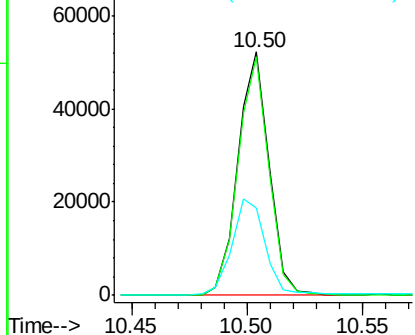
#41
 2,4,6-Tribromophenol
 Concen: 28.08 ng
 RT: 10.50 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BF094135.D
 Acq: 3 Apr 2017 21:50

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP08-COMP

Tot Ion:330 Resp: 48889
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.6 115.0
 141 43.2 31.4 47.2

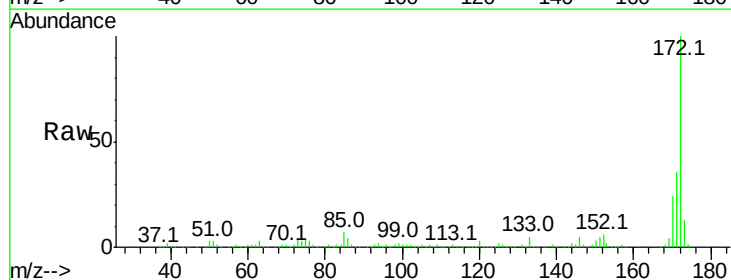


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

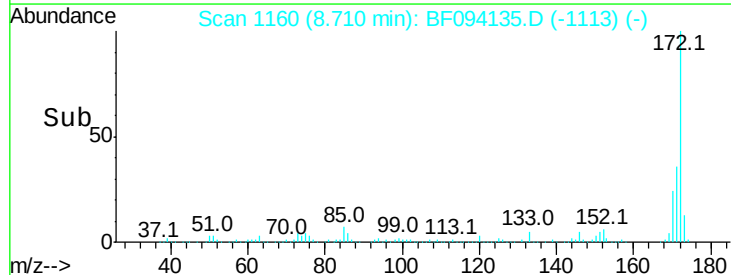
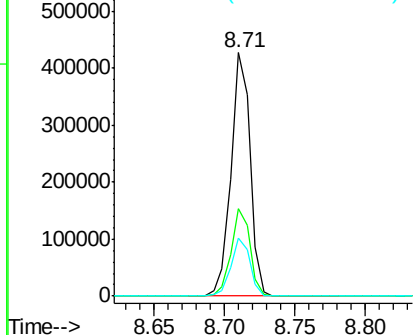


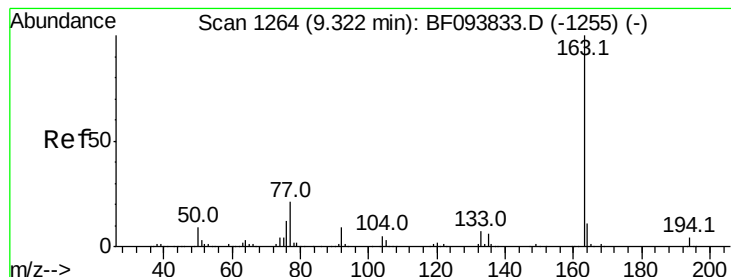
#44
 2-Fluorobiphenyl
 Concen: 28.01 ng
 RT: 8.71 min Scan# 1160
 Delta R.T. -0.02 min
 Lab File: BF094135.D
 Acq: 3 Apr 2017 21:50

Tgt Ion:172 Resp: 404536
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 24.1 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: 2.14 ng

RT: 9.21 min Scan# 1245

Delta R.T. -0.04 min

Lab File: BF094135.D

Acq: 3 Apr 2017 21:50

Instrument :

BNA_F

ClientSampleId :

LSS-SP08-COMP

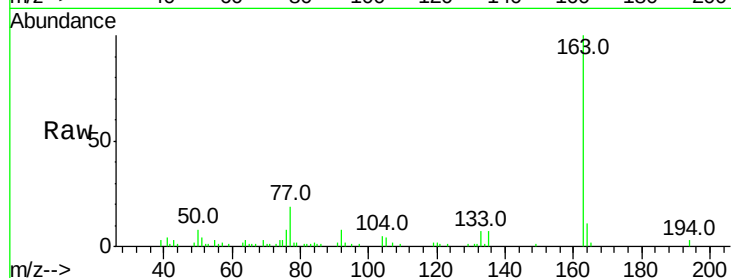
Tot Ion:163 Resp: 33573

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

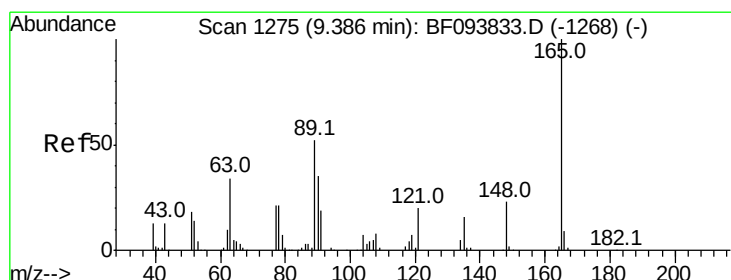
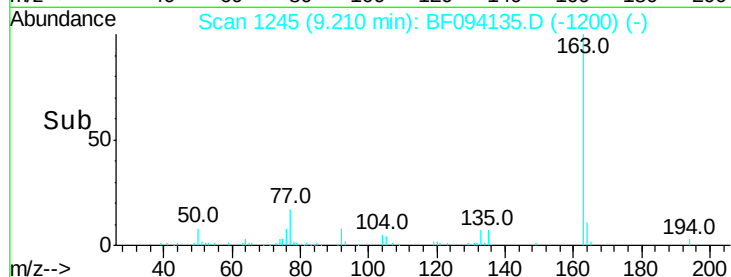
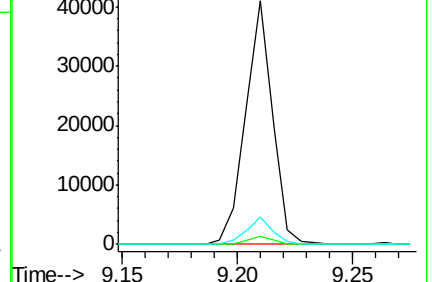
164 11.5 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 7.94 ng

RT: 9.53 min Scan# 1300

Delta R.T. 0.23 min

Lab File: BF094135.D

Acq: 3 Apr 2017 21:50

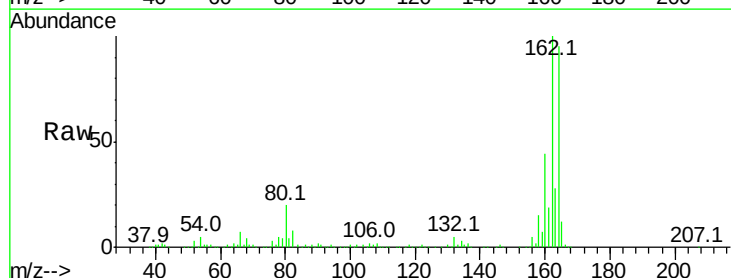
Tgt Ion:165 Resp: 28500

Ion Ratio Lower Upper

165 100

63 2.0 34.3 51.5#

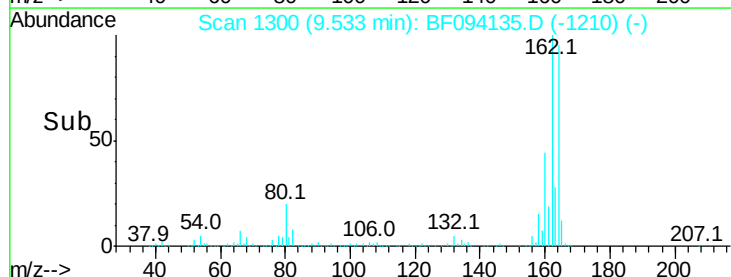
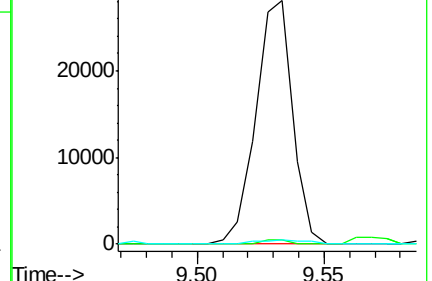
89 2.0 37.1 55.7#

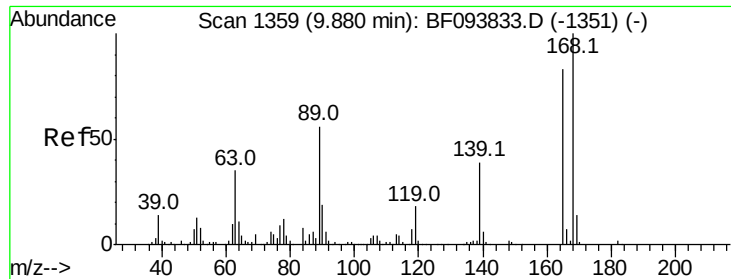


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

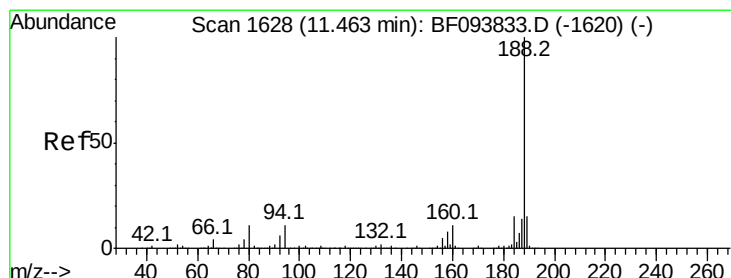
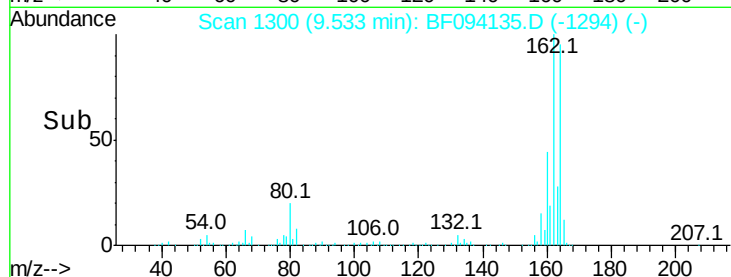
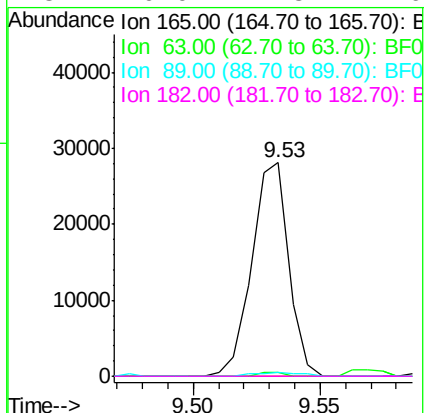
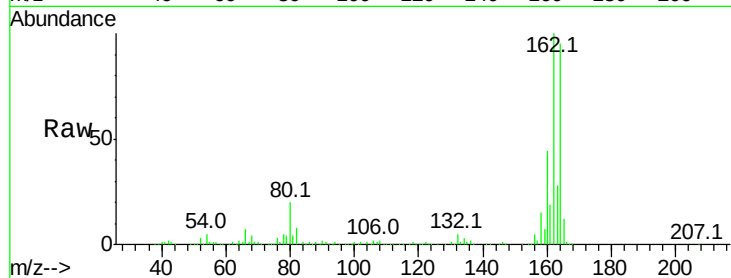




#56
 2,4-Dinitrotoluene
 Concen: 6.32 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.26 min
 Lab File: BF094135.D
 Acq: 3 Apr 2017 21:50

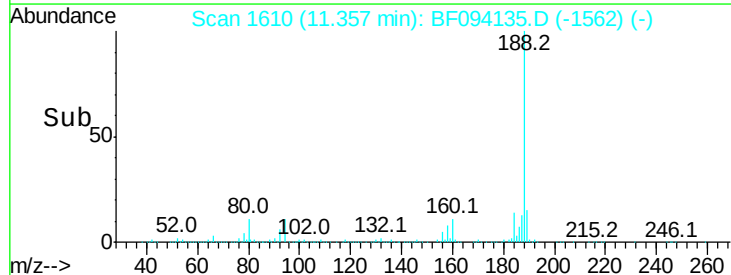
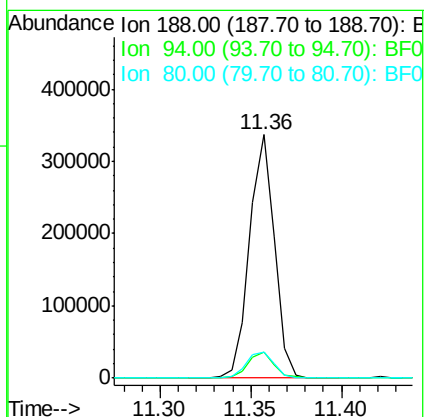
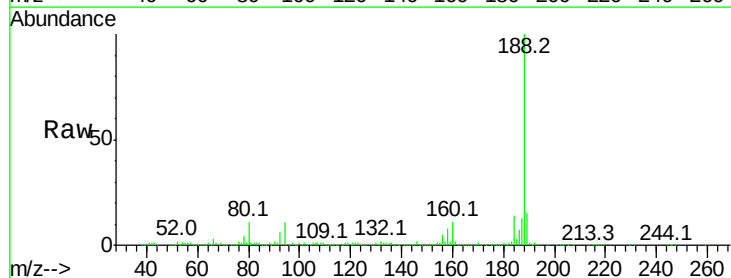
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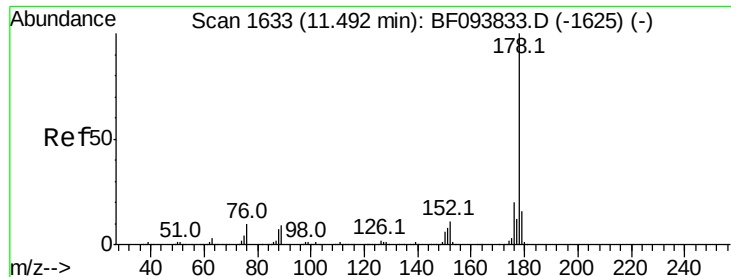
Tot Ion:	165	Resp:	28500
Ion	Ratio	Lower	Upper
165	100		
63	2.0	25.4	38.0#
89	2.0	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. -0.02 min
 Lab File: BF094135.D
 Acq: 3 Apr 2017 21:50

Tgt Ion:	188	Resp:	323744
Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.4	14.2
80	10.8	10.2	15.2





#70

Phenanthrene

Concen: 13.45 ng

RT: 11.39 min Scan# 1615

Delta R.T. -0.02 min

Lab File: BF094135.D

Acq: 3 Apr 2017 21:50

Instrument :

BNA_F

ClientSampleId :

LSS-SP08-COMP

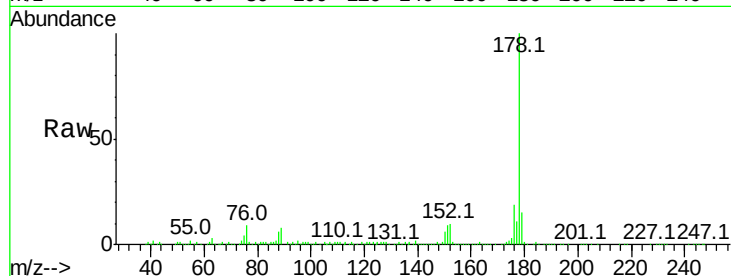
Tot Ion:178 Resp: 242305

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.4

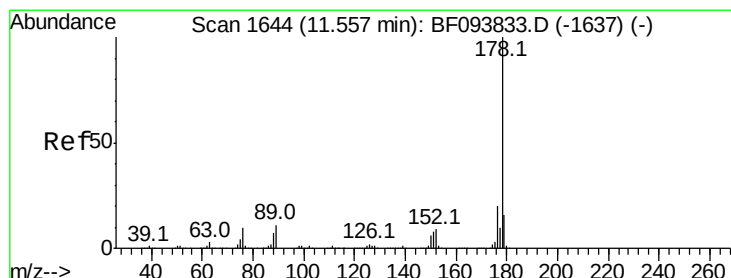
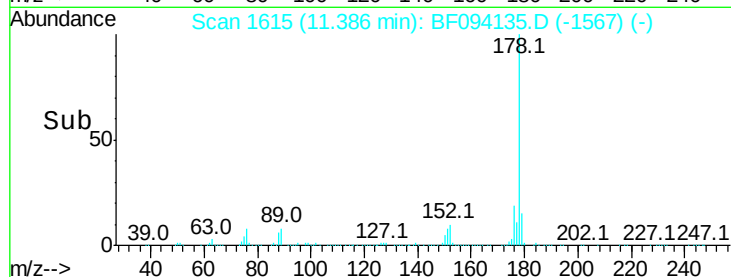
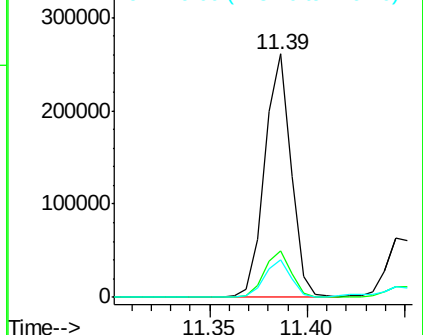
179 15.4 12.6 19.0



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: 3.44 ng

RT: 11.45 min Scan# 1625

Delta R.T. -0.02 min

Lab File: BF094135.D

Acq: 3 Apr 2017 21:50

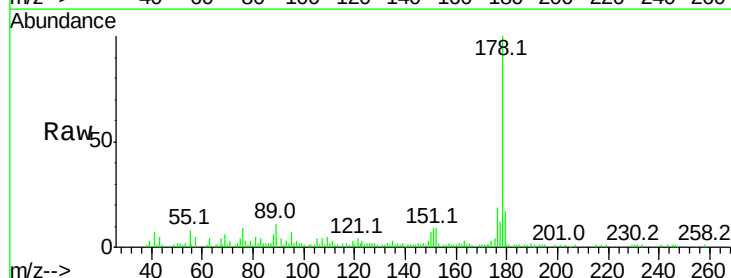
Tgt Ion:178 Resp: 63814

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.8

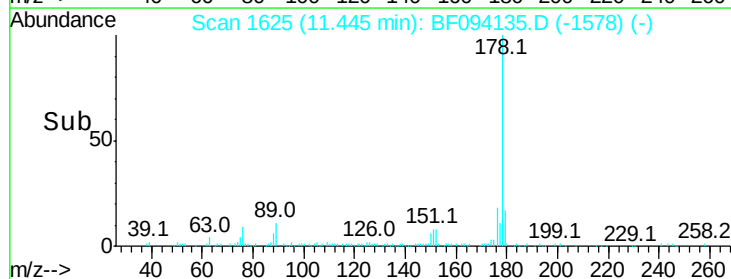
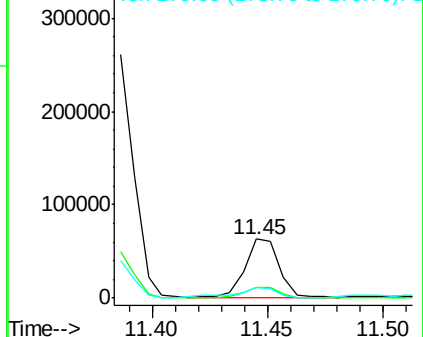
179 17.0 12.7 19.1

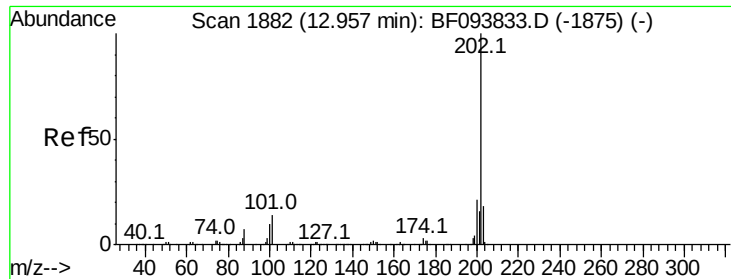


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

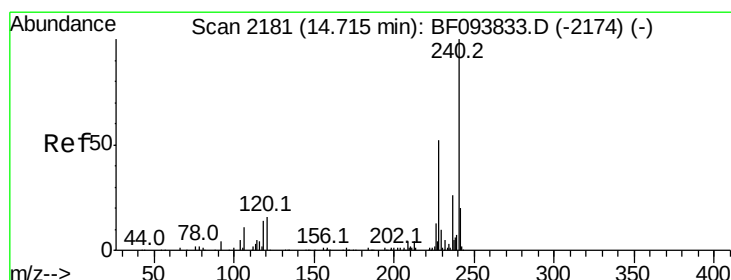
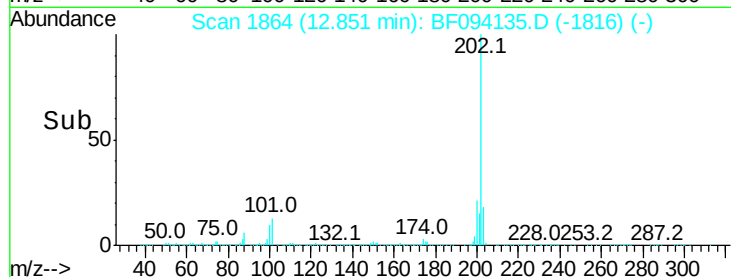
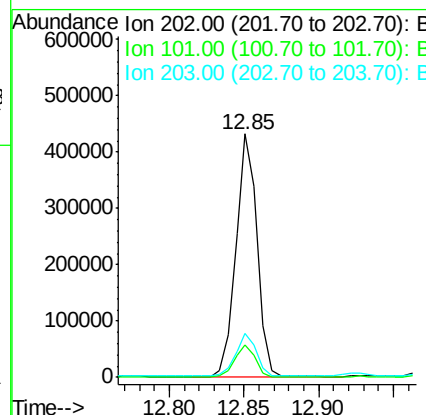
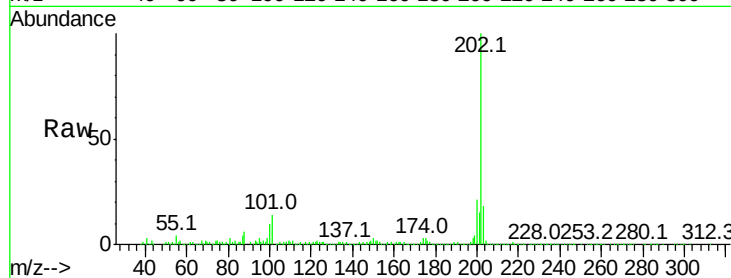




#74
Fluoranthene
Concen: 23.38 ng
RT: 12.85 min Scan# 1864
Delta R.T. -0.02 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

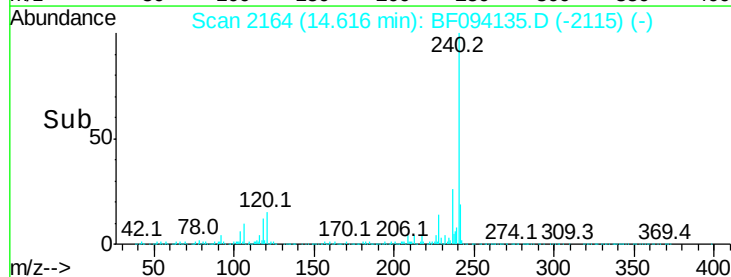
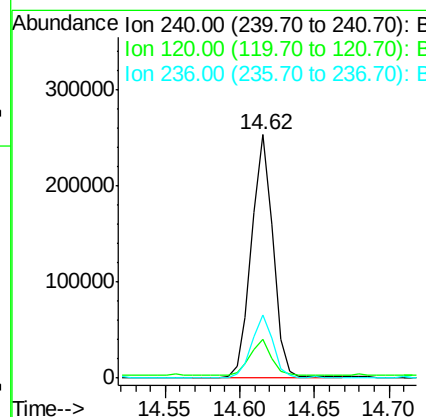
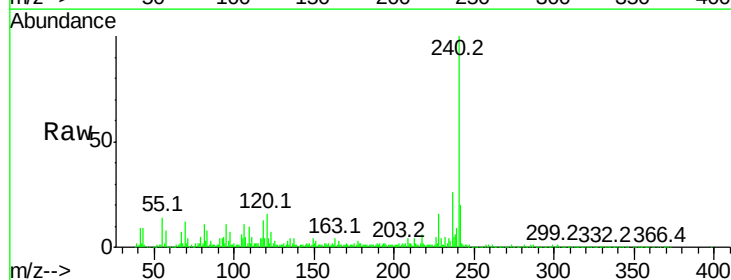
Instrument :
BNA_F
ClientSampleId :
LSS-SP08-COMP

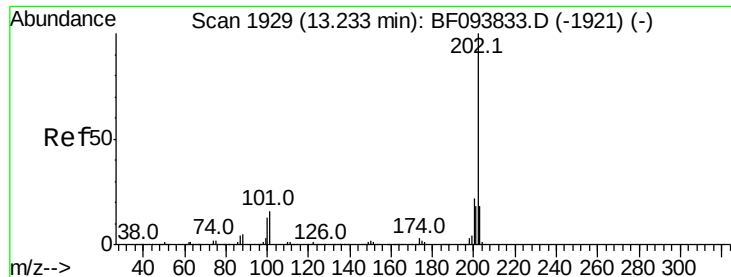
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	33.2
203	18.2	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.62 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.9	5.8	8.8#
236	26.0	20.5	30.7

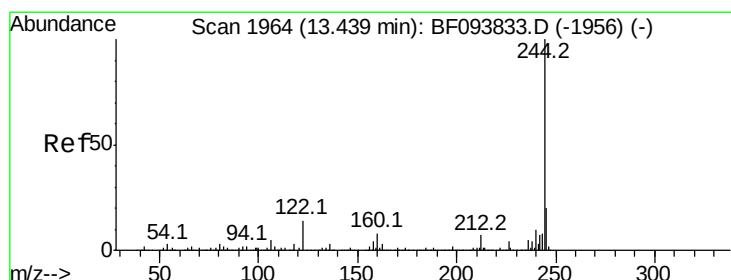
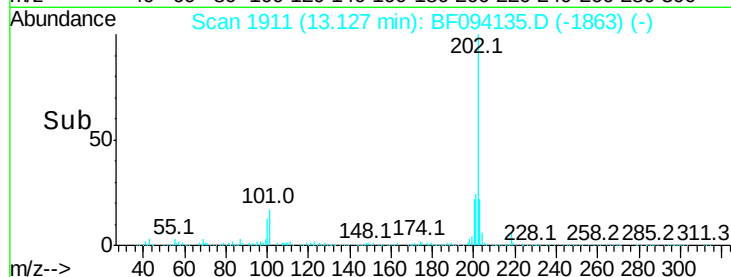
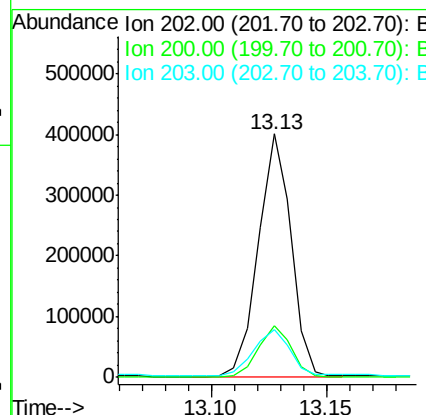
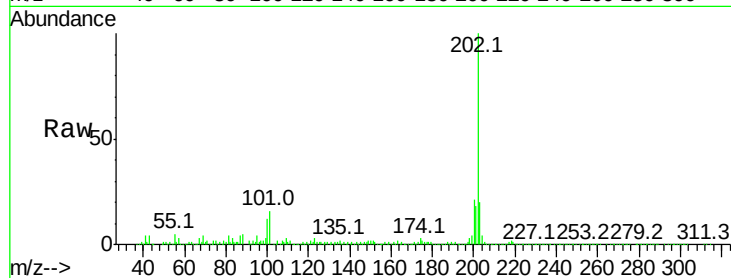




#77
Pvrene
Concen: 21.66 ng
RT: 13.13 min Scan# 1911
Delta R.T. -0.02 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

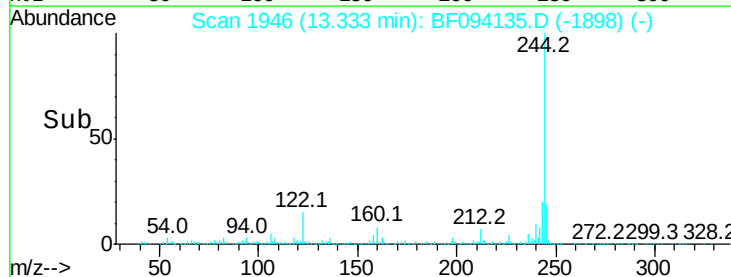
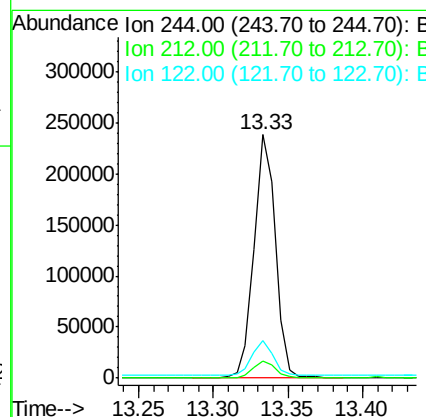
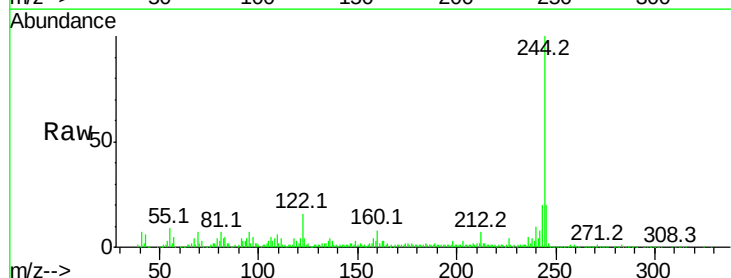
Instrument :
BNA_F
ClientSampleId :
LSS-SP08-COMP

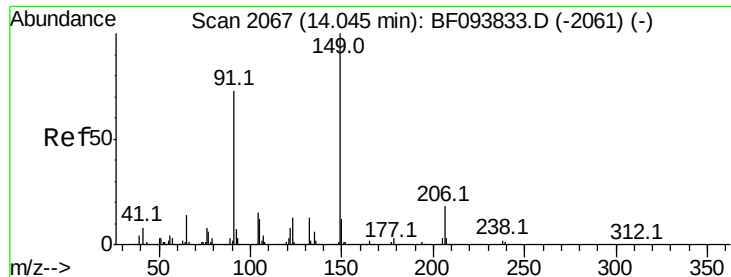
Tot Ion:	202	Resp:	395883
Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	19.7	14.4	21.6



#78
Terphenyl-d14
Concen: 20.67 ng
RT: 13.33 min Scan# 1946
Delta R.T. -0.02 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

Tgt Ion:	244	Resp:	232195
Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	15.7	10.3	15.5

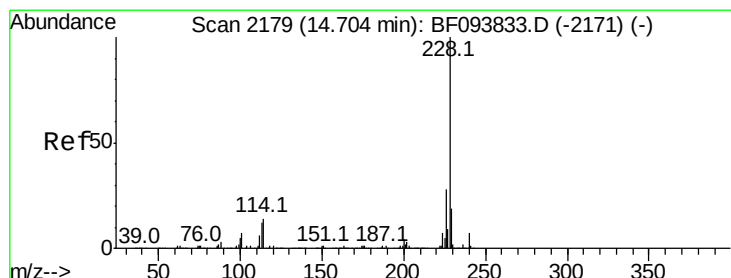
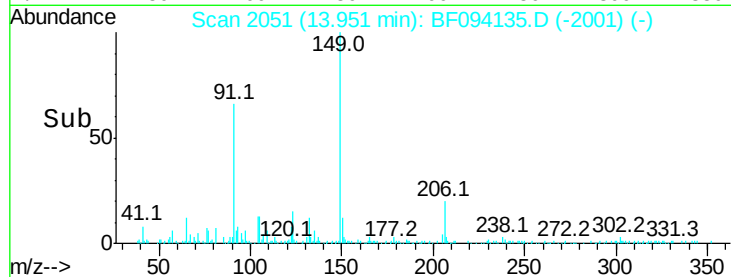
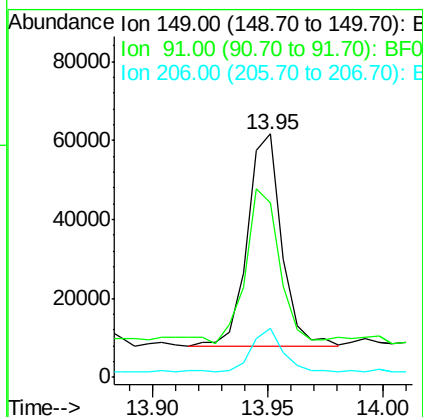
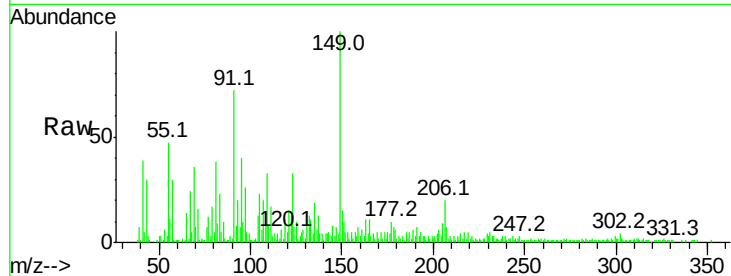




#79
Butylbenzylphthalate
Concen: 7.18 ng
RT: 13.95 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

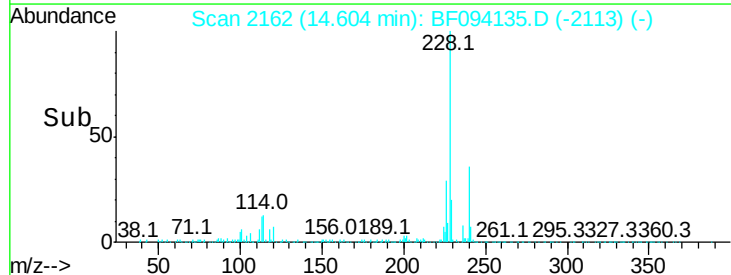
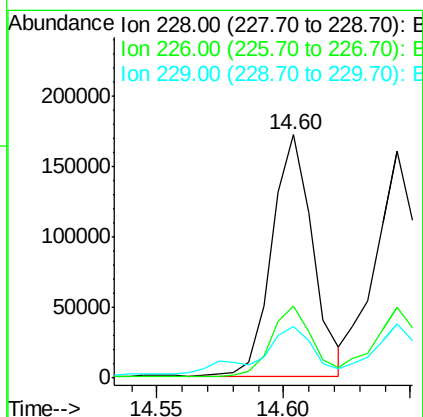
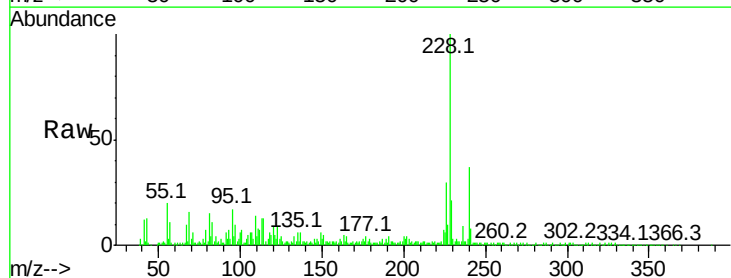
Instrument :
BNA_F
ClientSampleId :
LSS-SP08-COMP

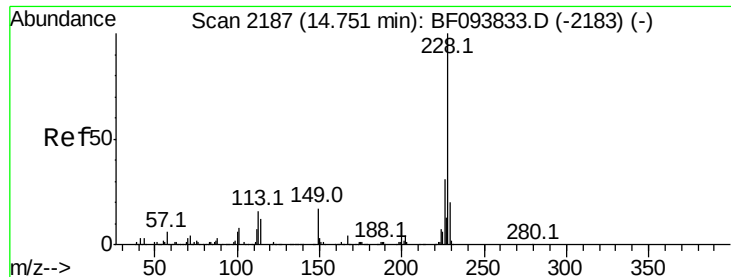
Tot Ion:149 Resp: 55931
Ion Ratio Lower Upper
149 100
91 71.9 45.0 67.4#
206 19.9 17.0 25.6



#80
Benzo(a)anthracene
Concen: 13.05 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

Tgt Ion:228 Resp: 191554
Ion Ratio Lower Upper
228 100
226 29.8 22.6 33.8
229 21.2 16.3 24.5





#82

Chrysene

Concen: 14.06 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.06 min

Lab File: BF094135.D

Acq: 3 Apr 2017 21:50

Instrument :

BNA_F

ClientSampleId :

LSS-SP08-COMP

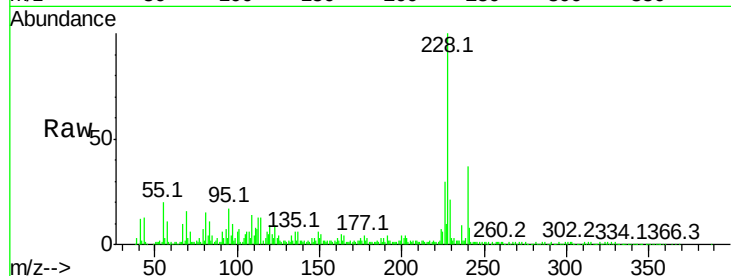
Tot Ion:228 Resp: 191554

Ion Ratio Lower Upper

228 100

226 29.8 24.9 37.3

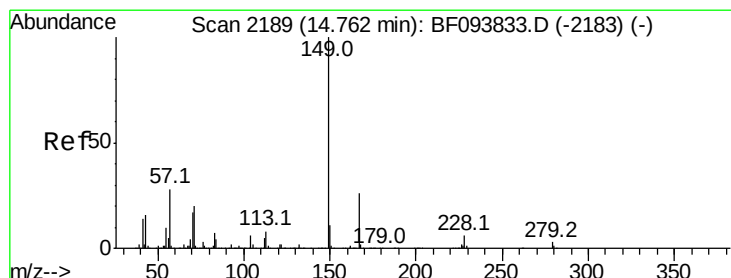
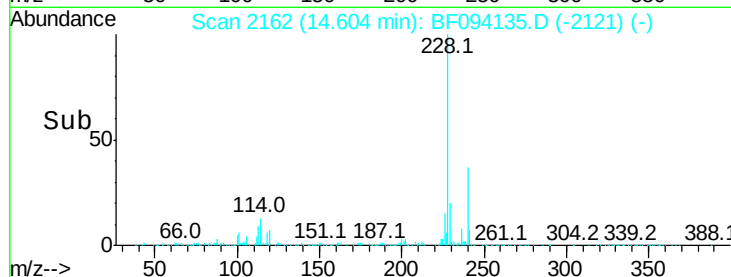
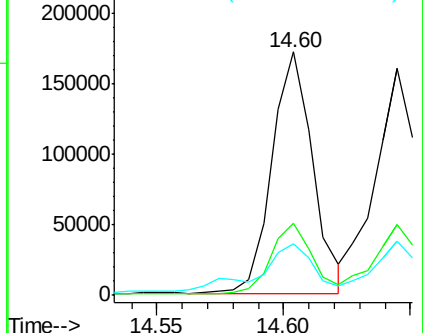
229 21.2 15.8 23.6



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: 10.28 ng

RT: 14.67 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF094135.D

Acq: 3 Apr 2017 21:50

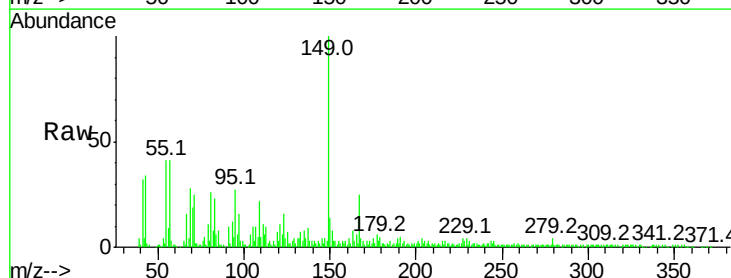
Tgt Ion:149 Resp: 109180

Ion Ratio Lower Upper

149 100

167 25.2 21.0 31.4

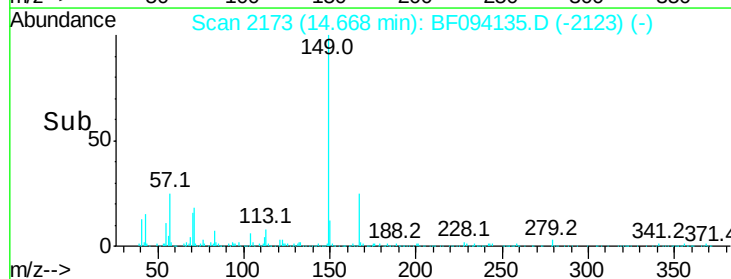
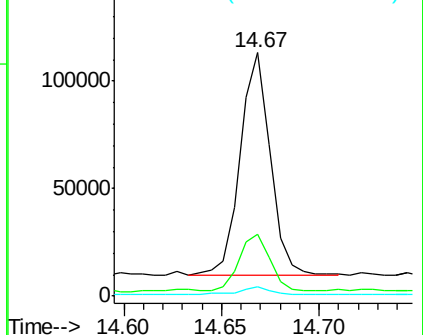
279 3.6 1.9 2.9#

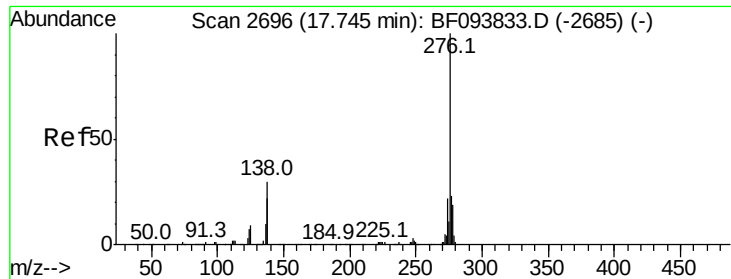


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

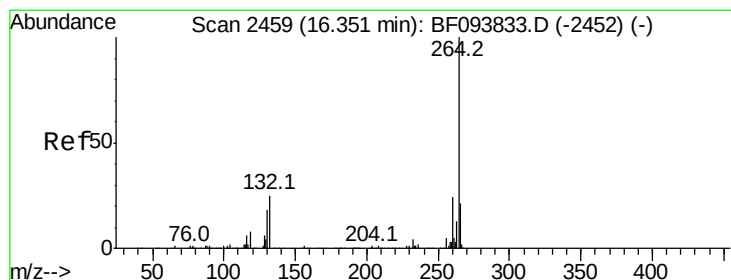
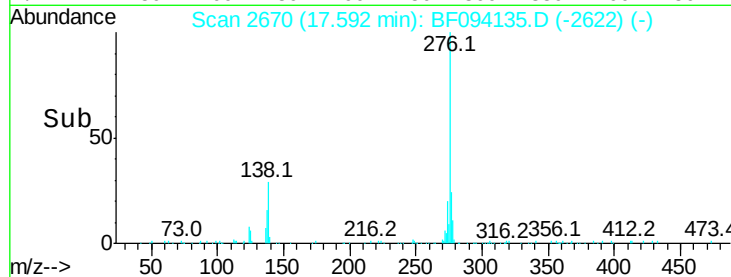
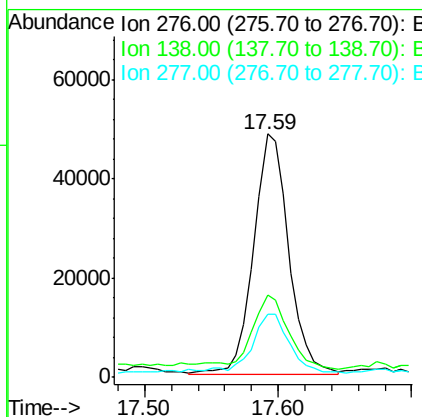
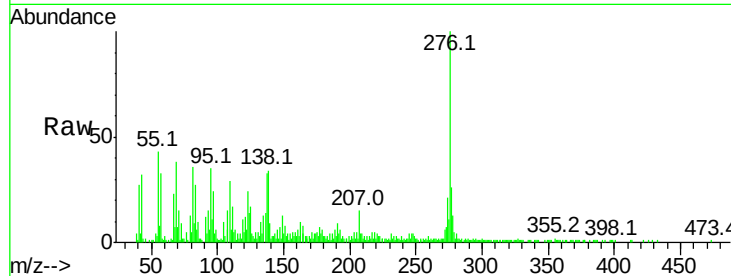




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.46 ng
 RT: 17.59 min Scan# 2670
 Delta R.T. -0.02 min
 Lab File: BF094135.D
 Acq: 3 Apr 2017 21:50

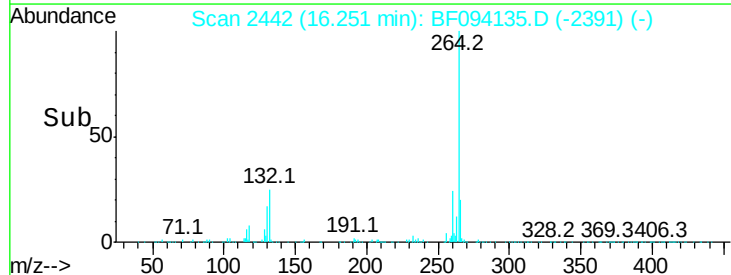
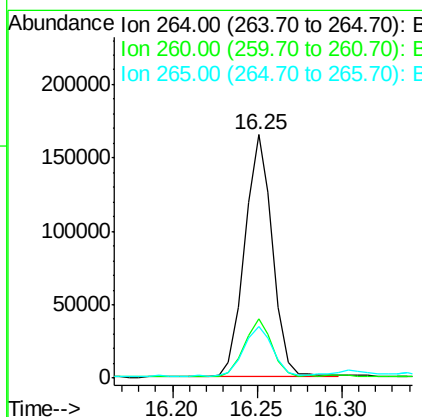
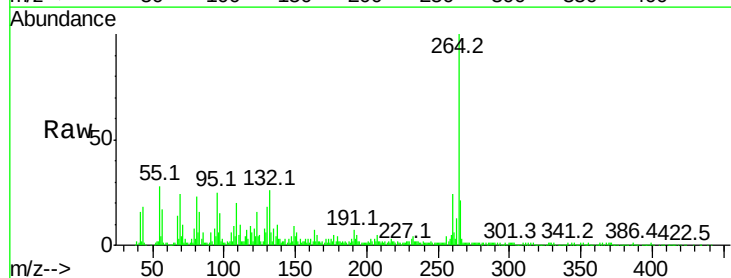
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP08-COMP

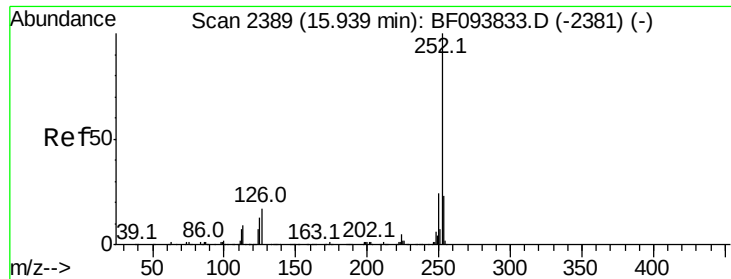
Tot Ion:276 Resp: 88047
 Ion Ratio Lower Upper
 276 100
 138 30.6 27.8 41.6
 277 27.9 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.25 min Scan# 2442
 Delta R.T. -0.00 min
 Lab File: BF094135.D
 Acq: 3 Apr 2017 21:50

Tgt Ion:264 Resp: 188240
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.5 29.3
 265 21.3 17.2 25.8

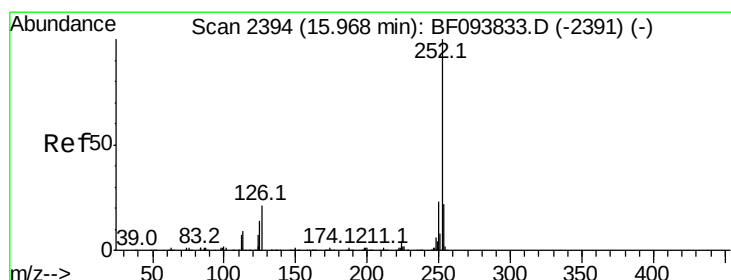
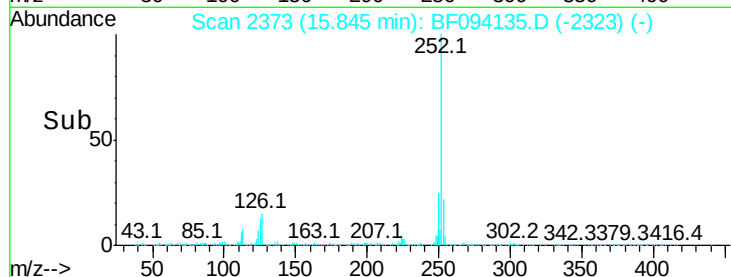
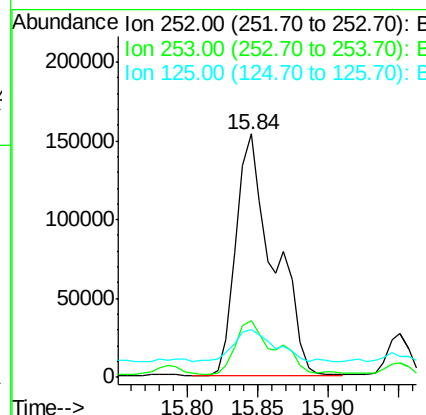
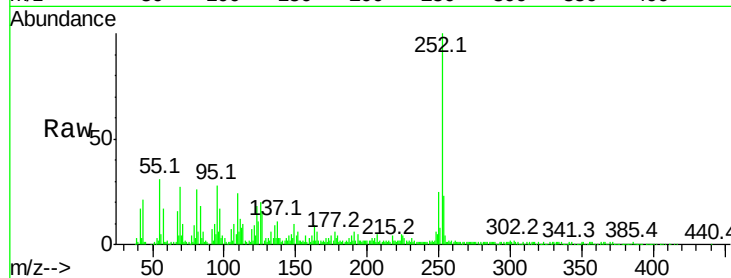




#87
Benzo(b)fluoranthene
Concen: 24.83 ng
RT: 15.84 min Scan# 2373
Delta R.T. -0.01 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

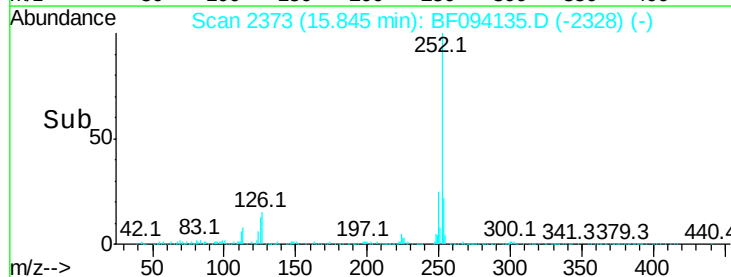
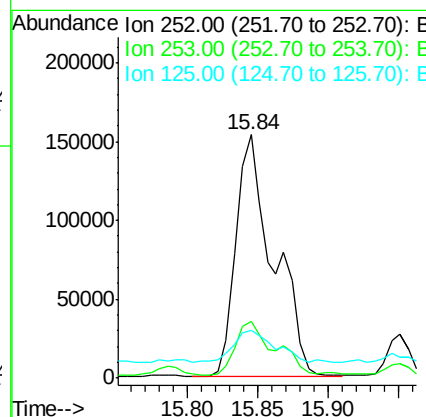
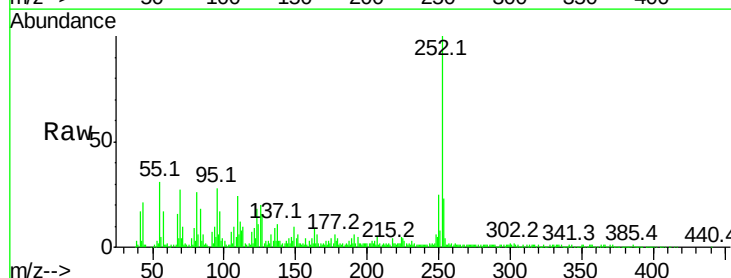
Instrument :
BNA_F
ClientSampleId :
LSS-SP08-COMP

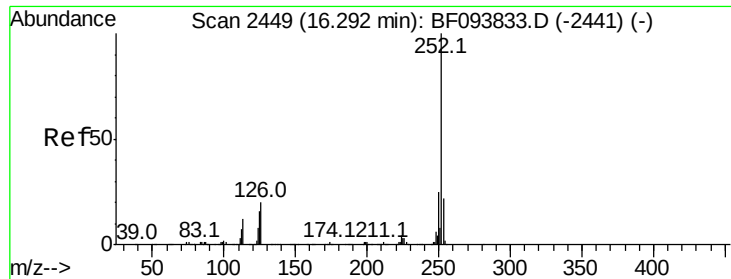
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	19.8	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 25.38 ng
RT: 15.84 min Scan# 2373
Delta R.T. -0.04 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	19.8	13.1	19.7





#89

Benzo(a)pyrene

Concen: 13.08 ng

RT: 16.19 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BF094135.D

Acq: 3 Apr 2017 21:50

Instrument :

BNA_F

ClientSampleId :

LSS-SP08-COMP

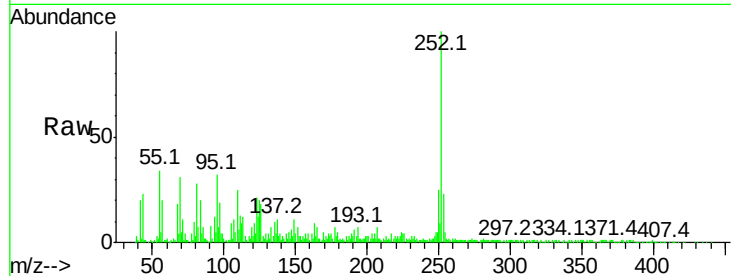
Tot Ion:252 Resp: 138989

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

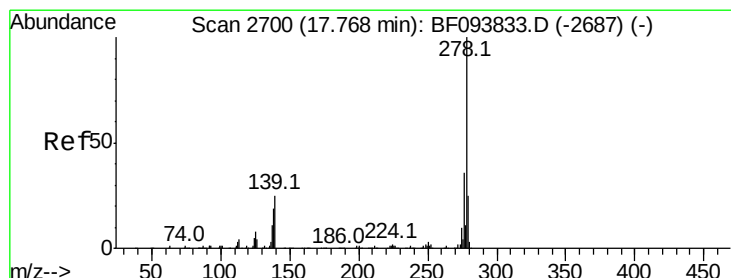
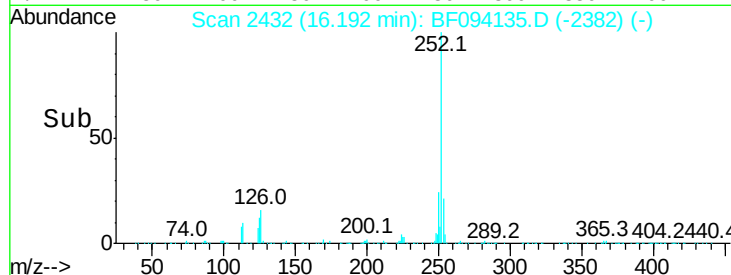
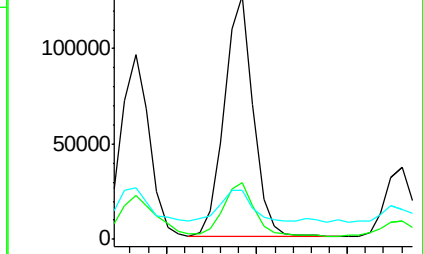
125 20.0 11.0 16.4#



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



#90

Dibenzo(a,h)anthracene

Concen: 2.54 ng

RT: 17.61 min Scan# 2673

Delta R.T. -0.02 min

Lab File: BF094135.D

Acq: 3 Apr 2017 21:50

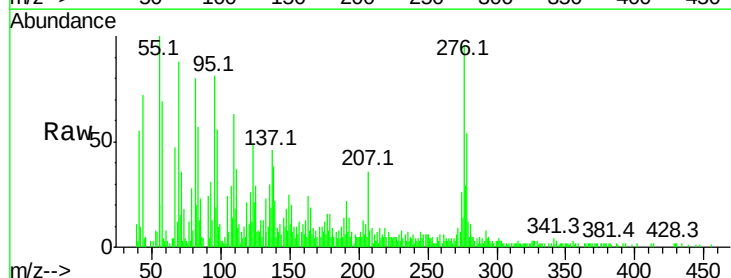
Tgt Ion:278 Resp: 22861

Ion Ratio Lower Upper

278 100

139 40.2 16.6 24.8#

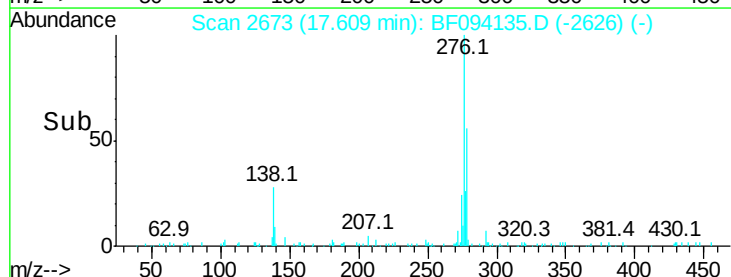
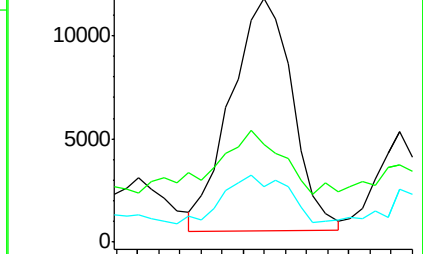
279 22.9 19.3 28.9

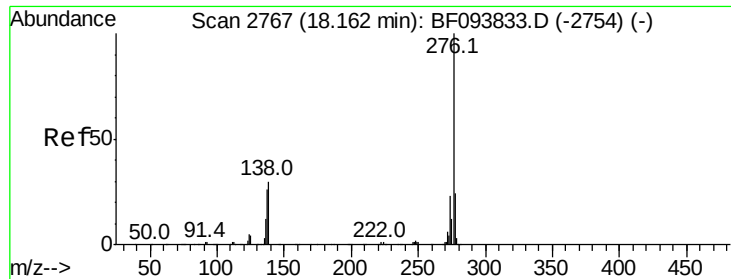


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

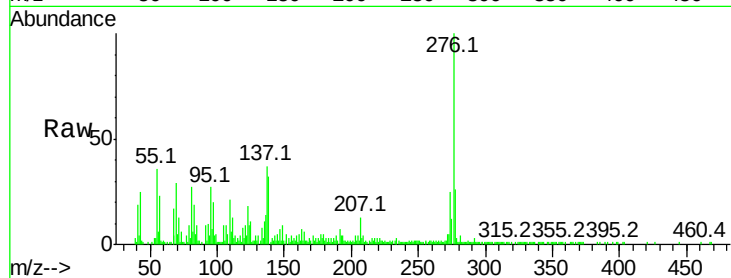




#91
 Benzo(a,h,i)perylene
 Concen: 11.30 ng
 RT: 17.99 min Scan# 2738
 Delta R.T. -0.02 min
 Lab File: BF094135.D
 Acq: 3 Apr 2017 21:50

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP08-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.6	28.0
138	31.9	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

