

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071816\
 Data File : BF089090.D
 Acq On : 18 Jul 2016 19:10
 Operator : UM/SJ
 Sample : H3951-10 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB04(0-2in)

Quant Time: Jul 19 03:15:58 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	53327	20.00	ng	-0.07
21) Naphthalene-d8	7.93	136	208901	20.00	ng	-0.07
38) Acenaphthene-d10	9.68	164	75022	20.00	ng	-0.07
63) Phenanthrene-d10	11.15	188	116356	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	99183	20.00	ng	-0.08
86) Perylene-d12	15.13	264	83684	20.00	ng	-0.08

System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	179618	50.48	ng	-0.06
7) Phenol-d6	6.30	99	256658	55.82	ng	-0.06
23) Nitrobenzene-d5	7.21	82	146790	36.82	ng	-0.07
41) 2,4,6-Tribromophenol	10.46	330	28340	40.68	ng	-0.08
44) 2-Fluorobiphenyl	9.00	172	256466	54.00	ng	-0.07
78) Terphenyl-d14	12.73	244	130489	29.30	ng	-0.07

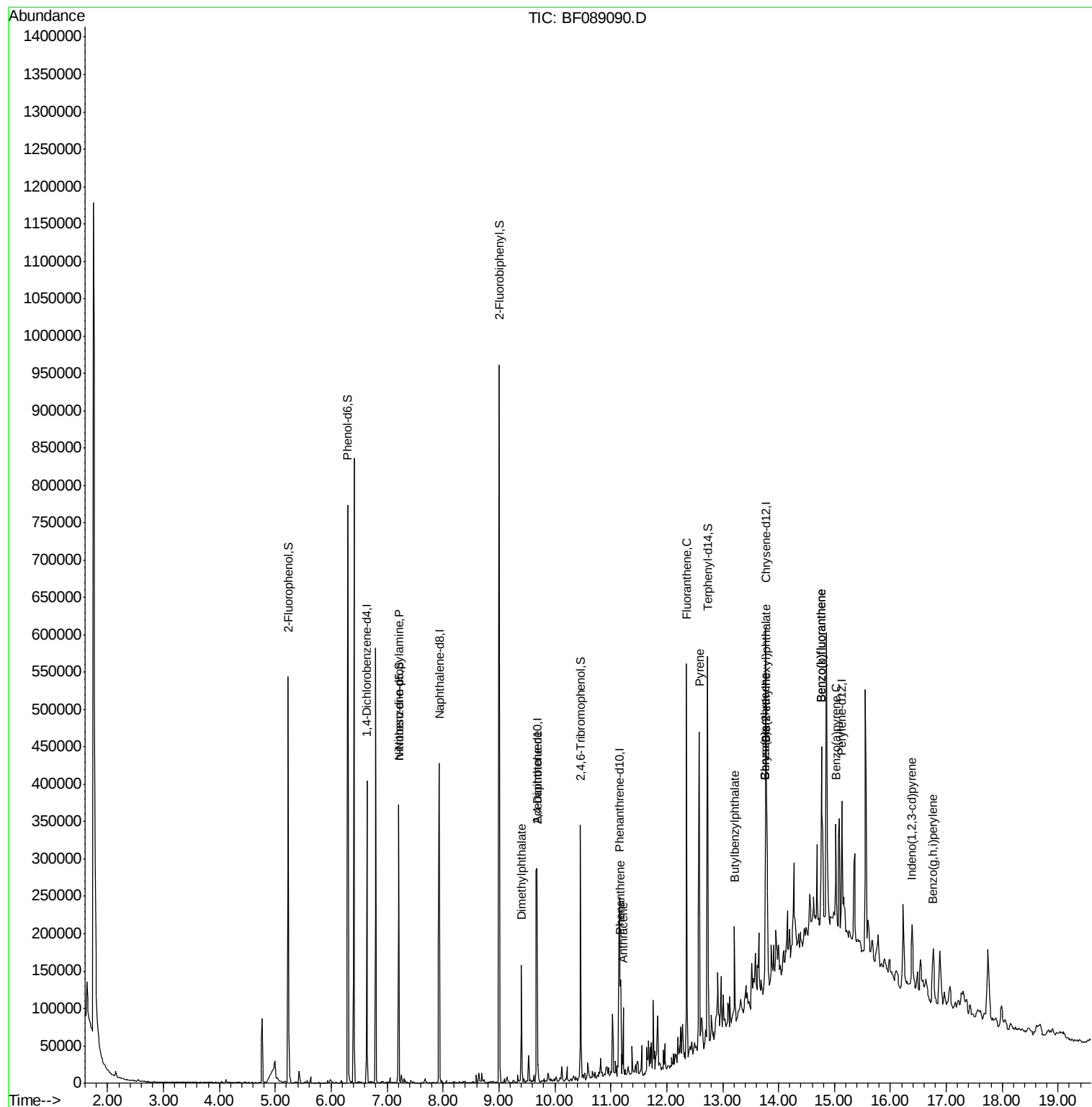
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.21	70	19375	6.27	ng	# 69
49) Dimethylphthalate	9.40	163	64931	12.15	ng	99
56) 2,4-Dinitrotoluene	9.68	165	9825	6.34	ng	# 36
70) Phenanthrene	11.18	178	68950	10.84	ng	97
71) Anthracene	11.22	178	26653	4.21	ng	99
74) Fluoranthene	12.35	202	160209	24.85	ng	100
77) Pyrene	12.58	202	171409	20.38	ng	98
79) Butylbenzylphthalate	13.21	149	25572	6.82	ng	# 81
80) Benzo(a)anthracene	13.76	228	100449	15.73	ng	95
82) Chrysene	13.76	228	100449	15.90	ng	98
83) Bis(2-ethylhexyl)phthalate	13.78	149	28372	6.62	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.39	276	40199	8.27	ng	# 100
87) Benzo(b)fluoranthene	14.77	252	147796	28.15	ng	# 93
88) Benzo(k)fluoranthene	14.77	252	147796	32.34	ng	98
89) Benzo(a)pyrene	15.03	252	56972	12.82	ng	97
91) Benzo(g,h,i)perylene	16.77	276	42838	11.15	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: 6.64 min Scan# 442

Delta R.T. -0.07 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

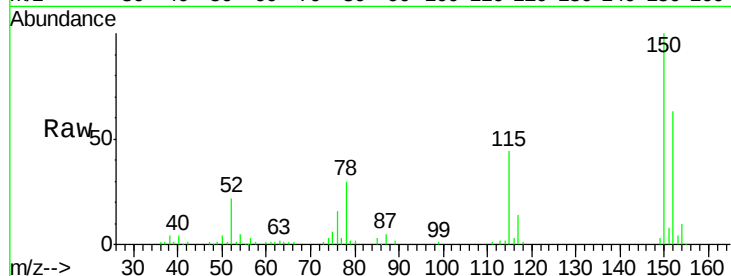
Tgt Ion:152 Resp: 53327

Ion Ratio Lower Upper

152 100

150 158.8 123.8 185.6

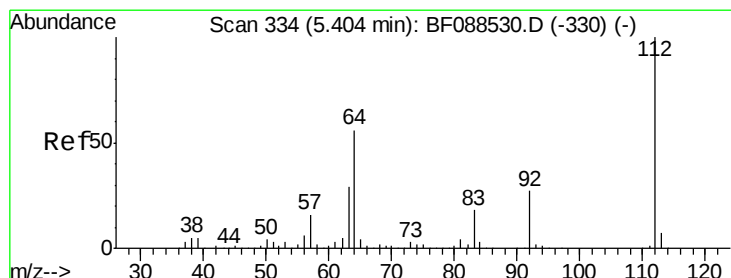
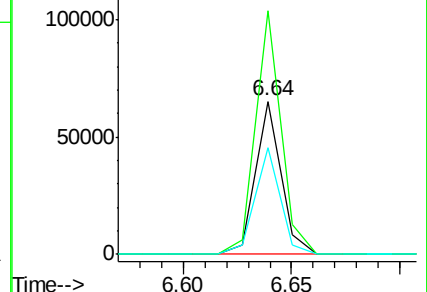
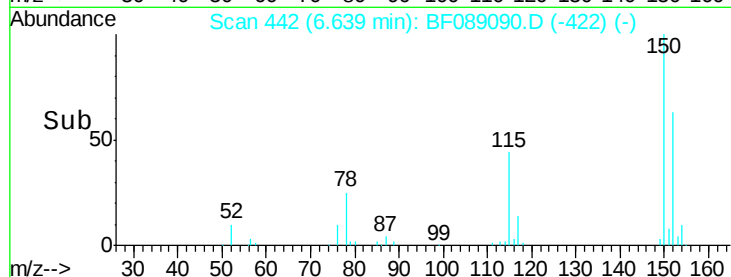
115 69.3 39.6 59.4#



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: 50.48 ng

RT: 5.23 min Scan# 319

Delta R.T. -0.06 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

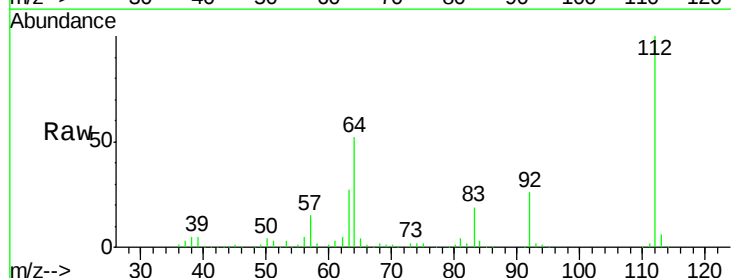
Tgt Ion:112 Resp: 179618

Ion Ratio Lower Upper

112 100

64 51.6 42.2 63.2

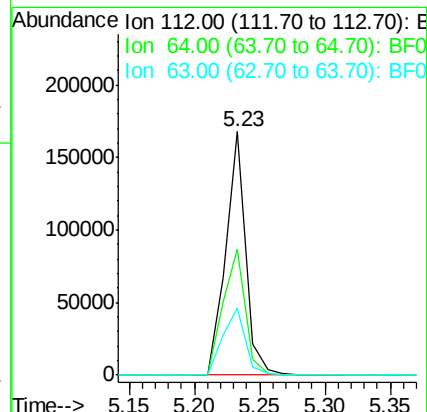
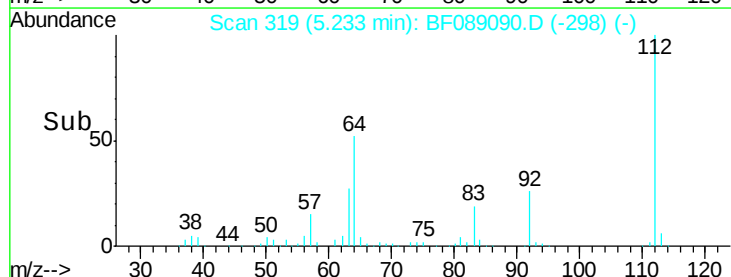
63 27.3 21.8 32.8

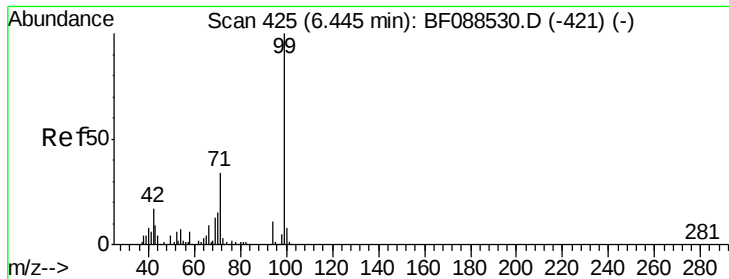


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 55.82 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.06 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

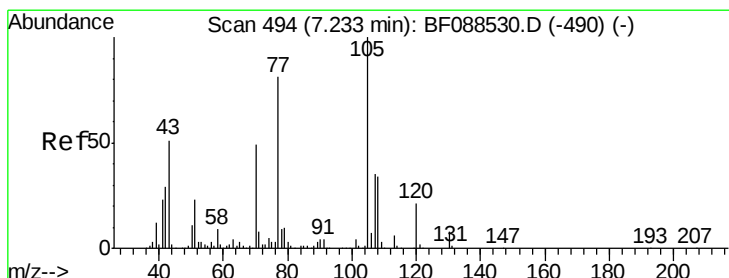
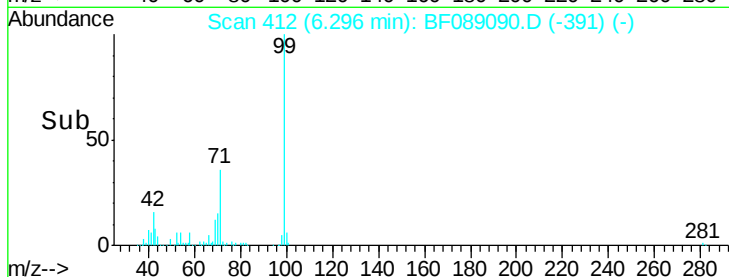
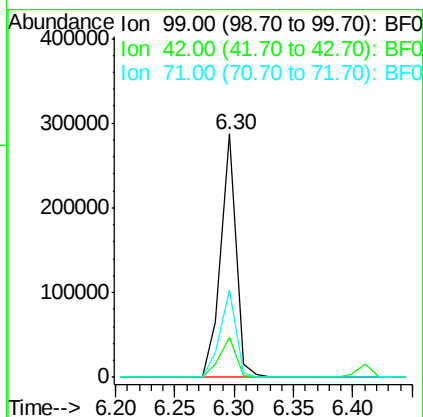
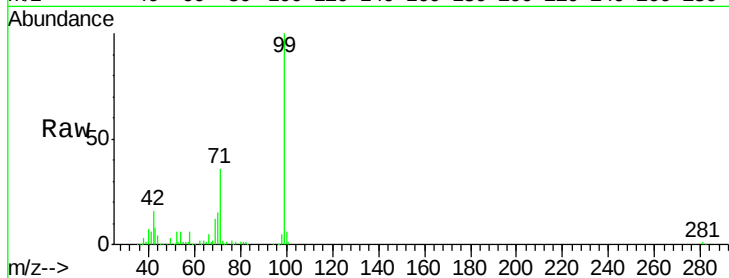
Tgt Ion: 99 Resp: 256658

Ion Ratio Lower Upper

99 100

42 16.3 12.2 18.2

71 36.1 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 6.27 ng

RT: 7.21 min Scan# 492

Delta R.T. 0.07 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

Tgt Ion: 70 Resp: 19375

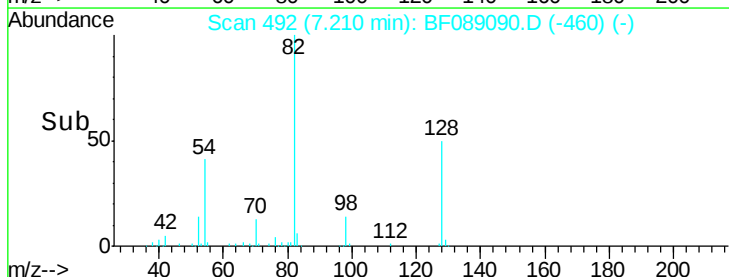
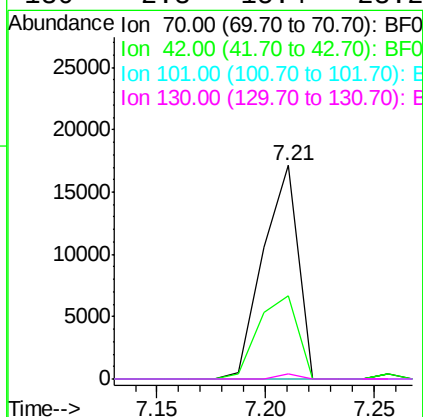
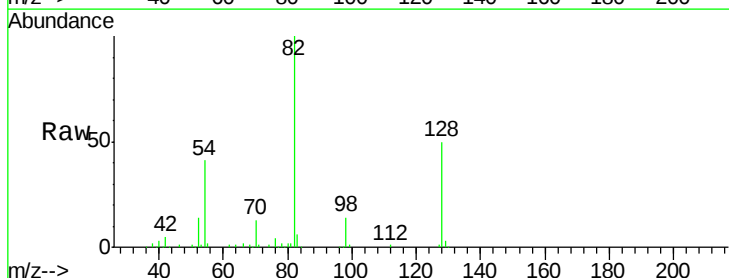
Ion Ratio Lower Upper

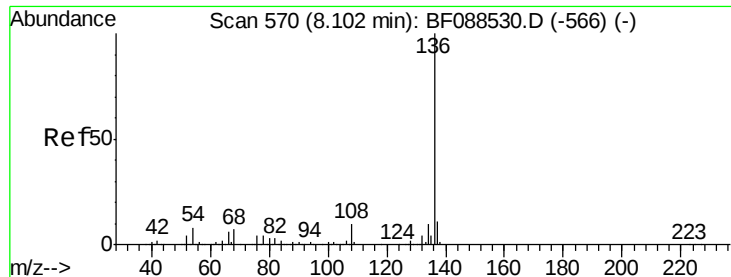
70 100

42 39.0 49.6 74.4#

101 0.0 7.1 10.7#

130 2.3 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.07 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

Tgt Ion:136 Resp: 208901

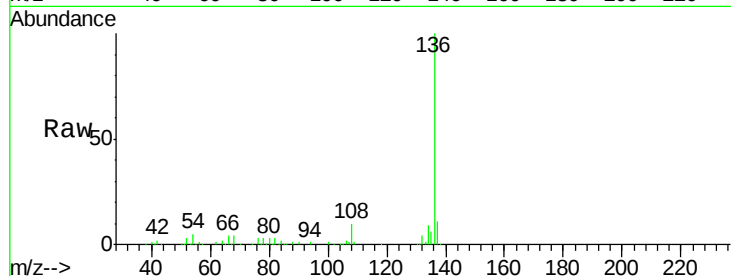
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.3 6.6 10.0#

68 4.2 5.1 7.7#

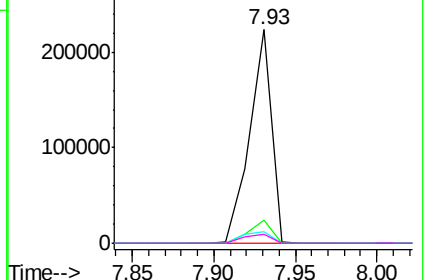
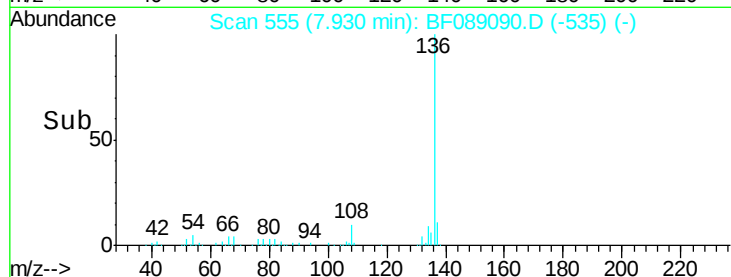


Abundance Ion 136.00 (135.70 to 136.70): E

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: 36.82 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.07 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

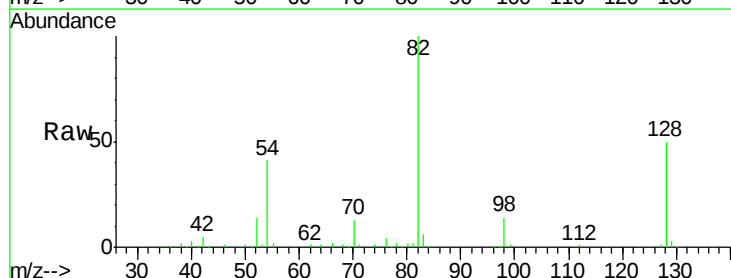
Tgt Ion: 82 Resp: 146790

Ion Ratio Lower Upper

82 100

128 50.3 35.9 53.9

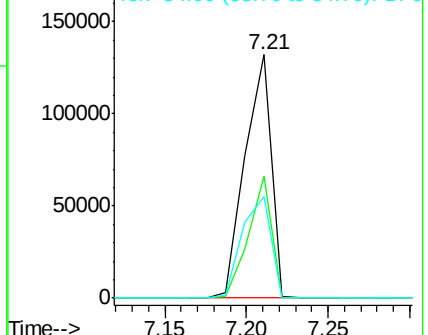
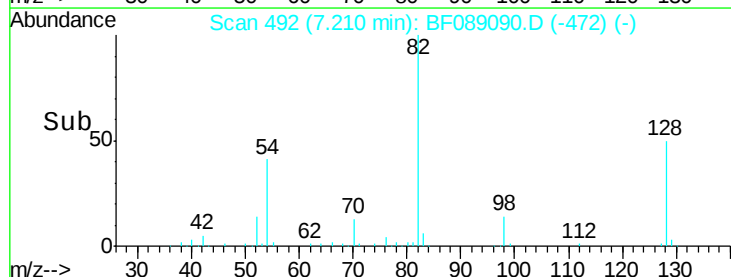
54 41.5 40.9 61.3

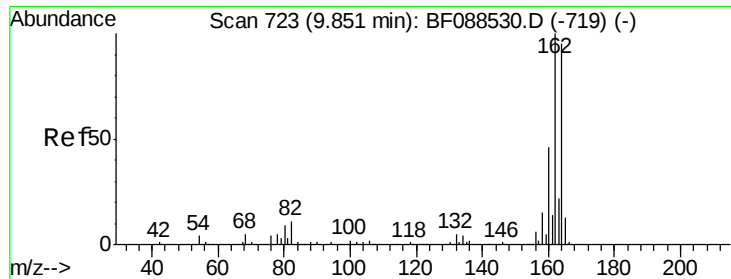


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.68 min Scan# 708

Delta R.T. -0.07 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

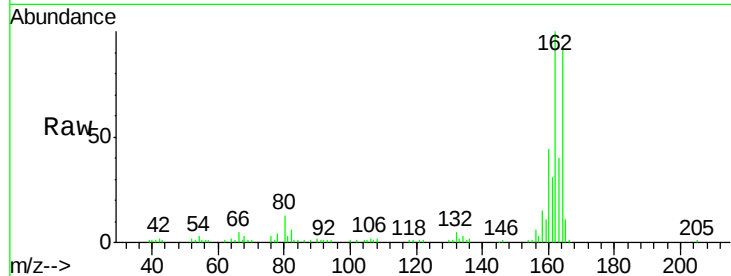
Tgt Ion:164 Resp: 75022

Ion Ratio Lower Upper

164 100

162 108.7 85.4 128.2

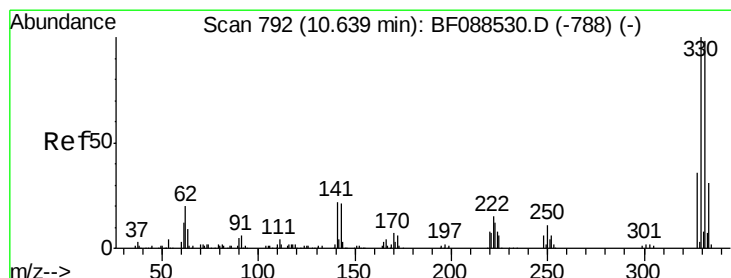
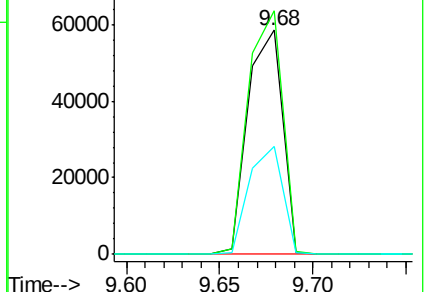
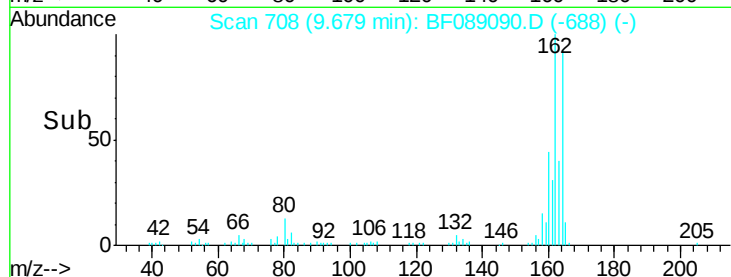
160 48.3 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 40.68 ng

RT: 10.46 min Scan# 776

Delta R.T. -0.08 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

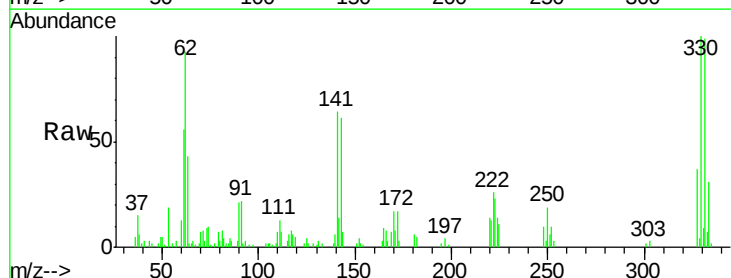
Tgt Ion:330 Resp: 28340

Ion Ratio Lower Upper

330 100

332 97.5 0.0 0.0#

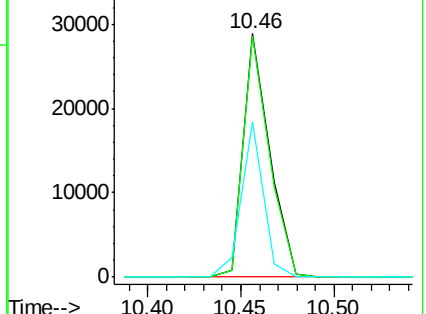
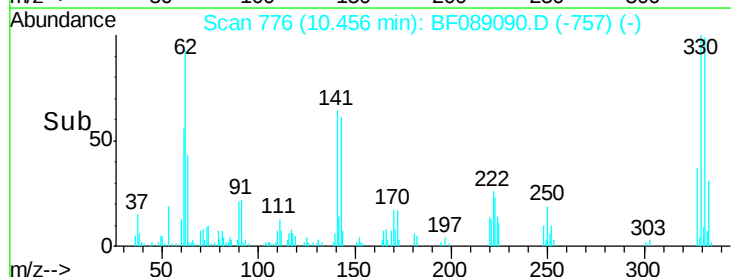
141 54.0 0.0 0.0#

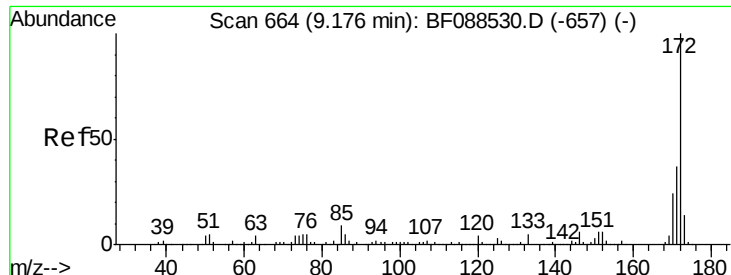


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

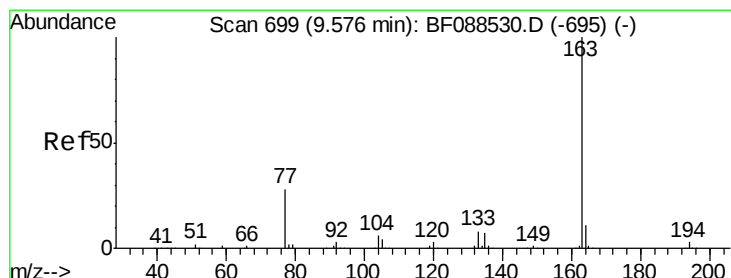
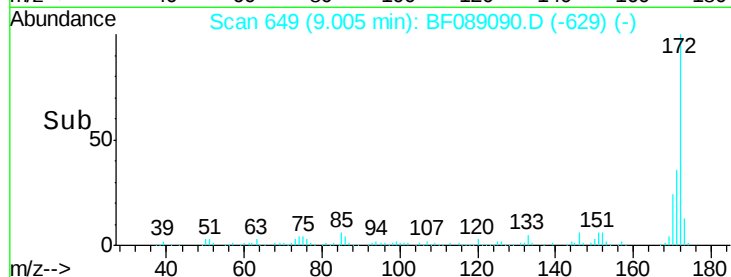
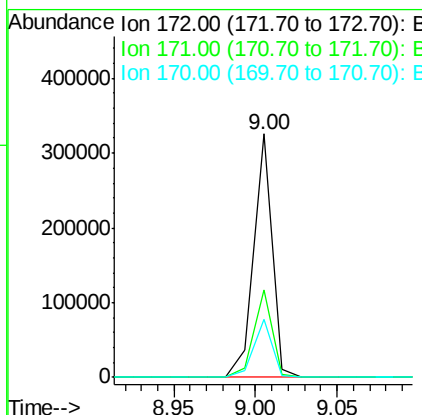
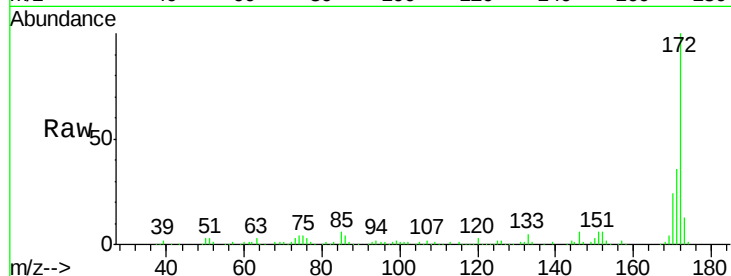




#44
2-Fluorobiphenyl
Concen: 54.00 ng
RT: 9.00 min Scan# 649
Delta R.T. -0.07 min
Lab File: BF089090.D
Acq: 18 Jul 2016 19:10

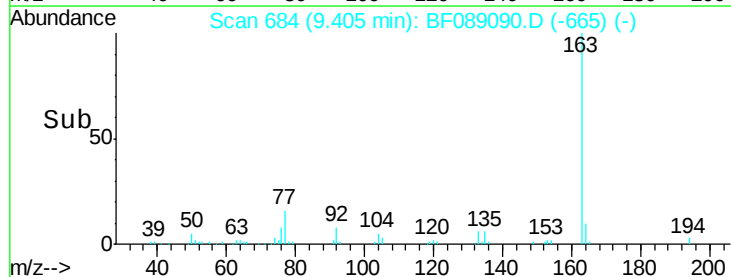
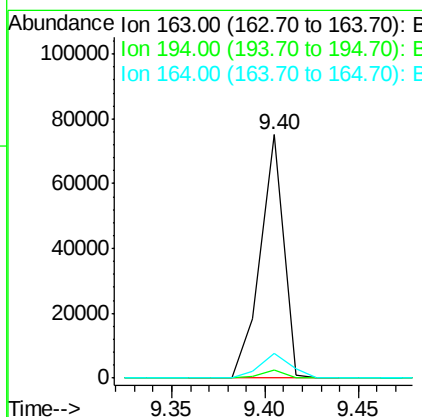
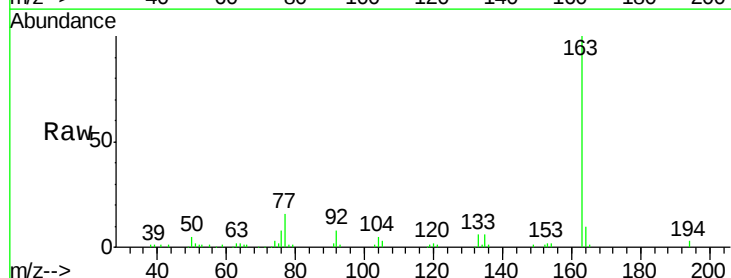
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB04(0-2in)

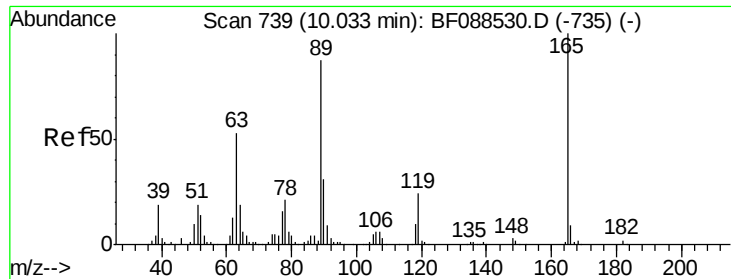
Tgt Ion:172 Resp: 256466
Ion Ratio Lower Upper
172 100
171 36.2 28.6 43.0
170 23.6 19.2 28.8



#49
Dimethylphthalate
Concen: 12.15 ng
RT: 9.40 min Scan# 684
Delta R.T. -0.08 min
Lab File: BF089090.D
Acq: 18 Jul 2016 19:10

Tgt Ion:163 Resp: 64931
Ion Ratio Lower Upper
163 100
194 3.4 2.8 4.2
164 10.2 8.3 12.5

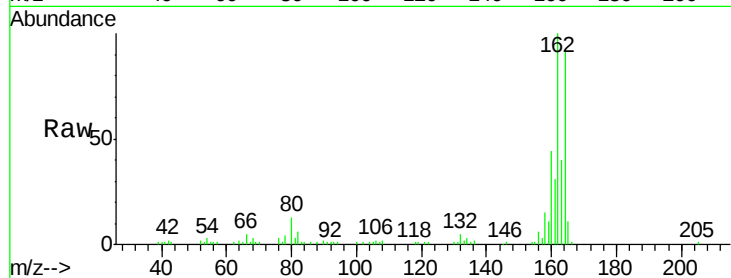




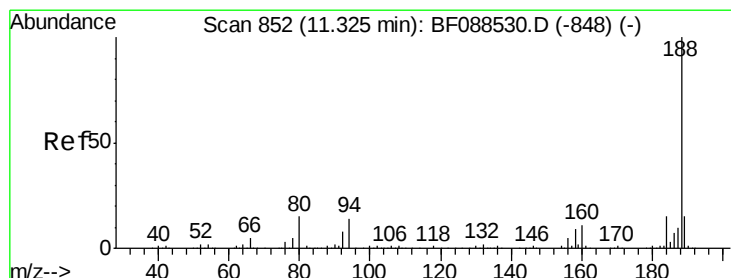
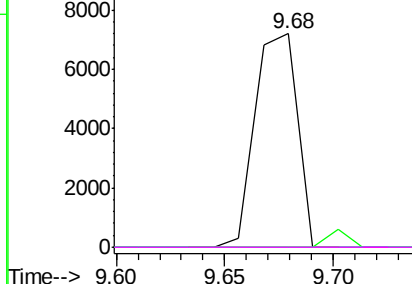
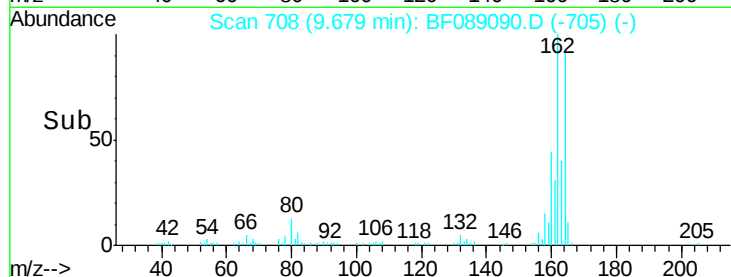
#56
 2,4-Dinitrotoluene
 Concen: 6.34 ng
 RT: 9.68 min Scan# 708
 Delta R.T. -0.26 min
 Lab File: BF089090.D
 Acq: 18 Jul 2016 19:10

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB04(0-2in)

Tgt Ion:165 Resp: 9825
 Ion Ratio Lower Upper
 165 100
 63 0.0 22.0 33.0#
 89 0.0 41.1 61.7#
 182 0.0 2.0 3.0#

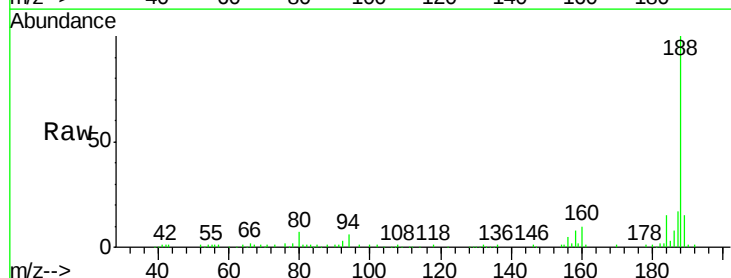


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

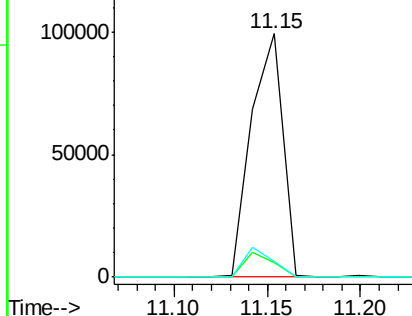
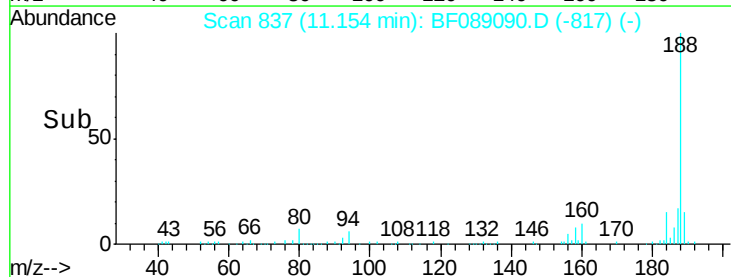


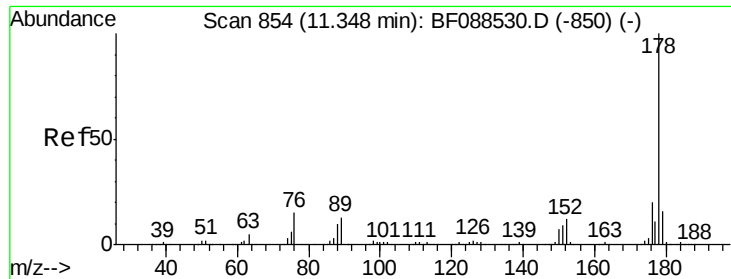
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.15 min Scan# 837
 Delta R.T. -0.07 min
 Lab File: BF089090.D
 Acq: 18 Jul 2016 19:10

Tgt Ion:188 Resp: 116356
 Ion Ratio Lower Upper
 188 100
 94 6.0 9.0 13.6#
 80 6.5 10.0 15.0#



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

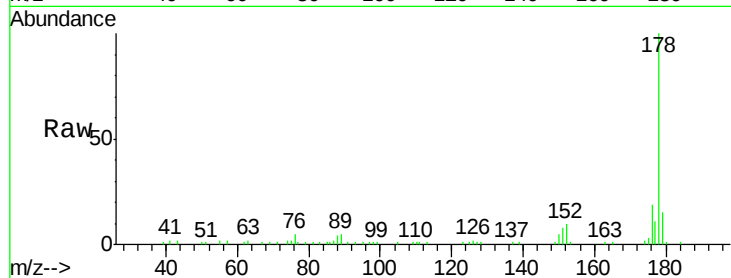




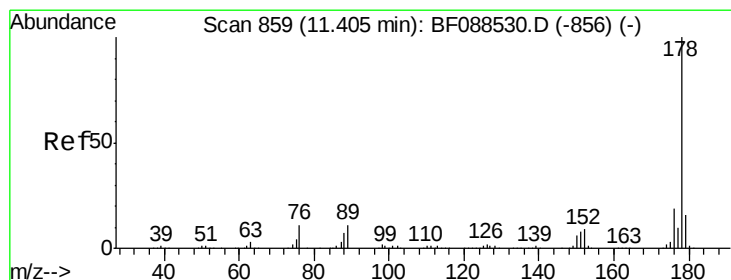
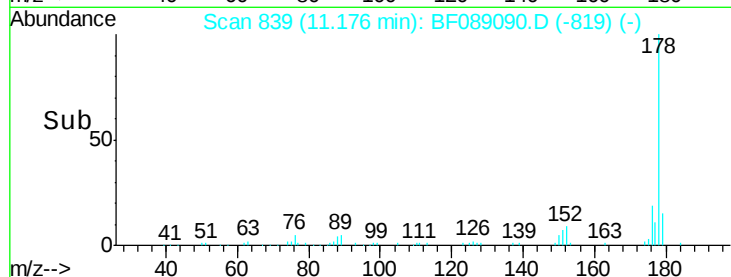
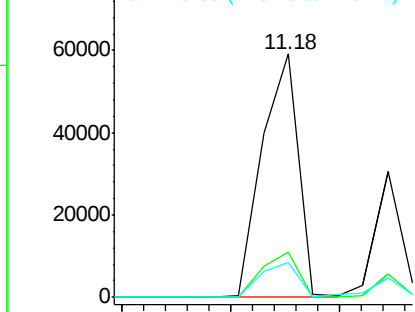
#70
Phenanthrene
Concen: 10.84 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.07 min
Lab File: BF089090.D
Acq: 18 Jul 2016 19:10

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB04(0-2in)

Tgt Ion:178 Resp: 68950
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 14.5 13.0 19.4

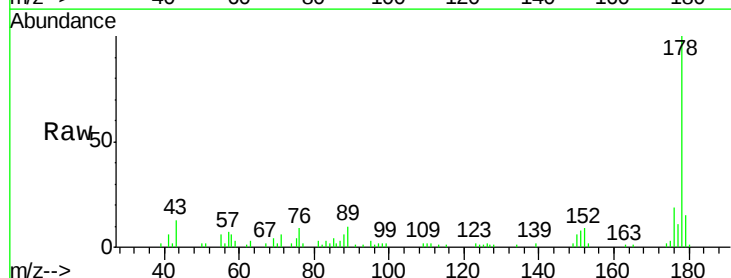


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

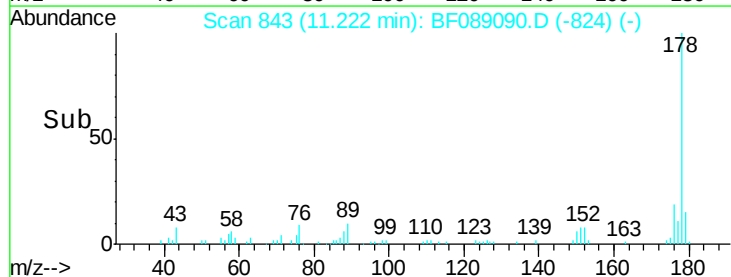
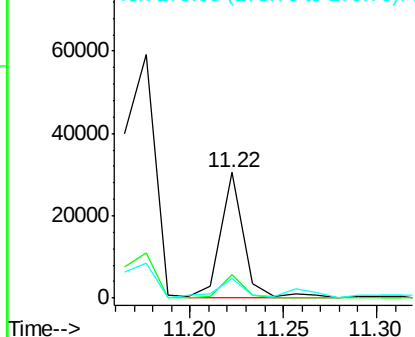


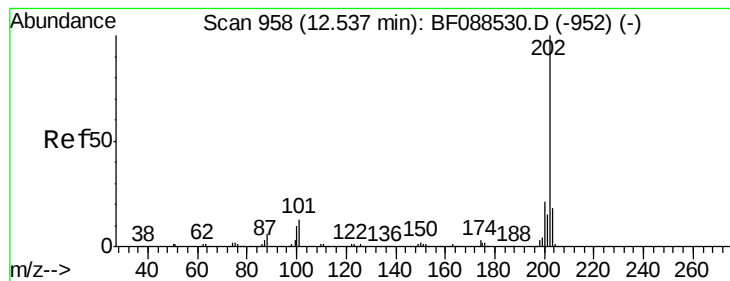
#71
Anthracene
Concen: 4.21 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.08 min
Lab File: BF089090.D
Acq: 18 Jul 2016 19:10

Tgt Ion:178 Resp: 26653
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 15.4 12.8 19.2



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: 24.85 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.07 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

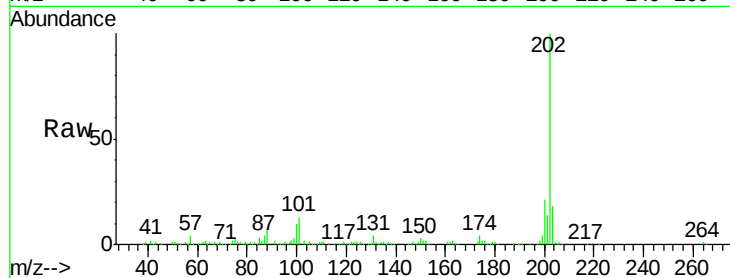
Tgt Ion:202 Resp: 160209

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.1

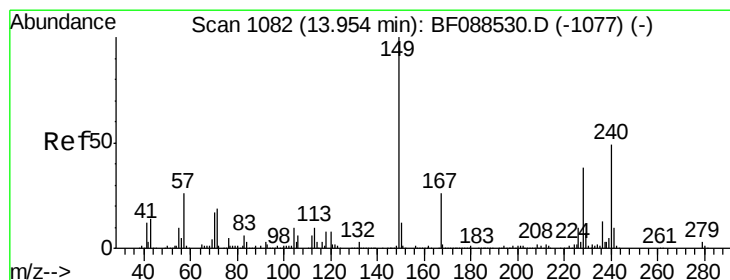
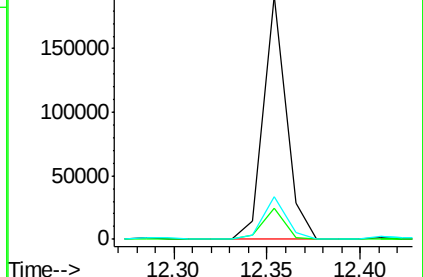
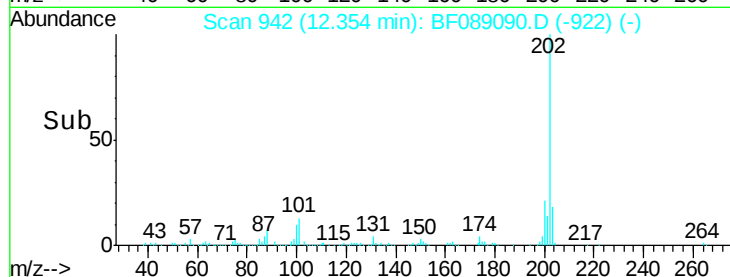
203 17.8 0.0 38.1



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: 13.77 min Scan# 1066

Delta R.T. -0.08 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

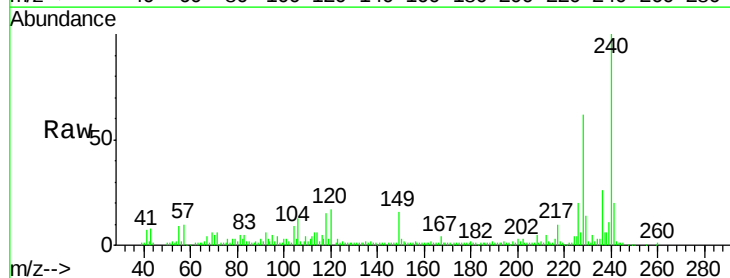
Tgt Ion:240 Resp: 99183

Ion Ratio Lower Upper

240 100

120 16.6 6.8 10.2#

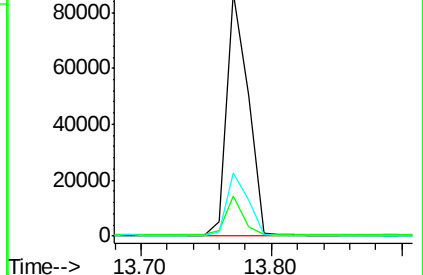
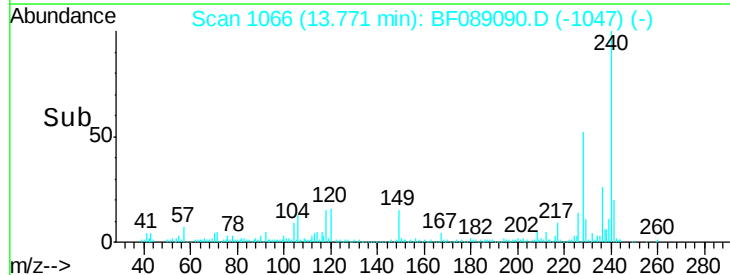
236 26.0 20.2 30.2

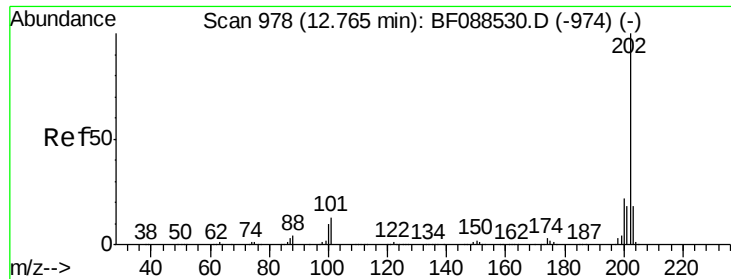


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 20.38 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.07 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

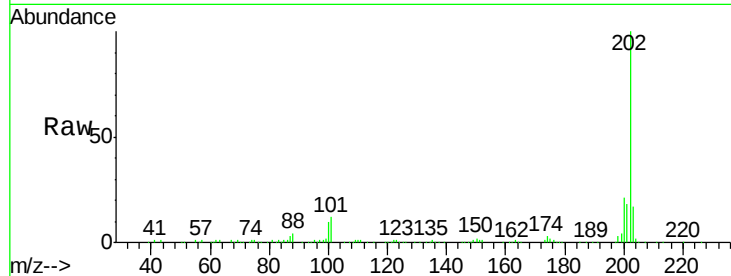
Tgt Ion:202 Resp: 171409

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

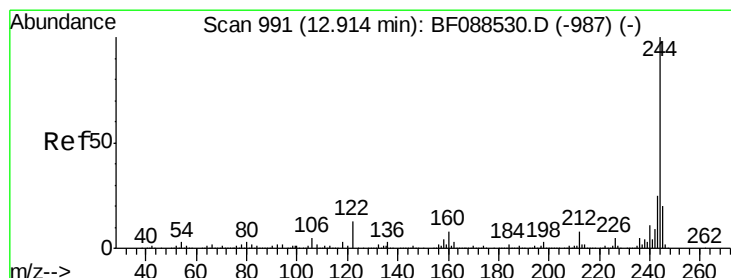
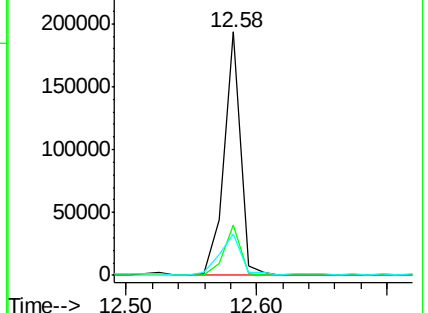
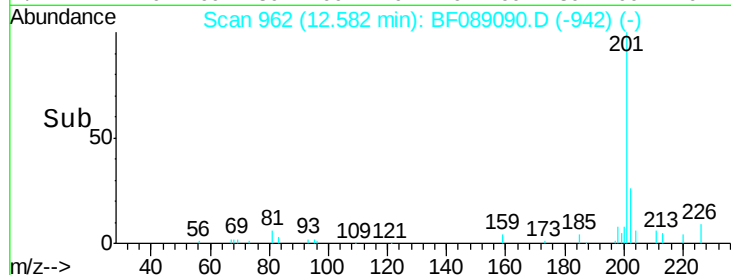
203 17.0 14.5 21.7



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: 29.30 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.07 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

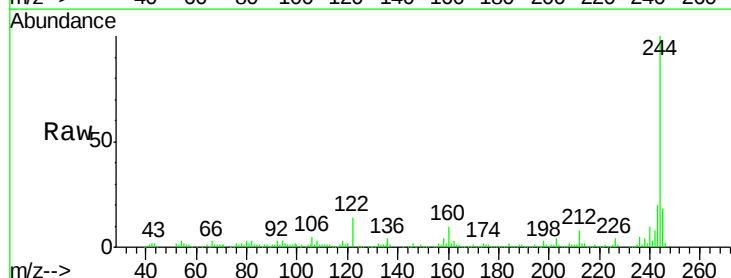
Tgt Ion:244 Resp: 130489

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

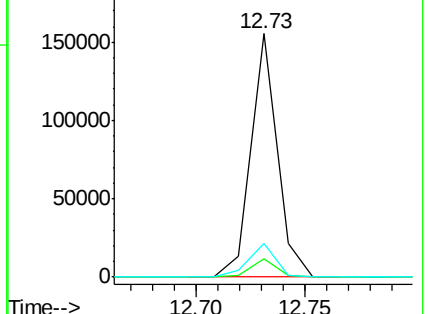
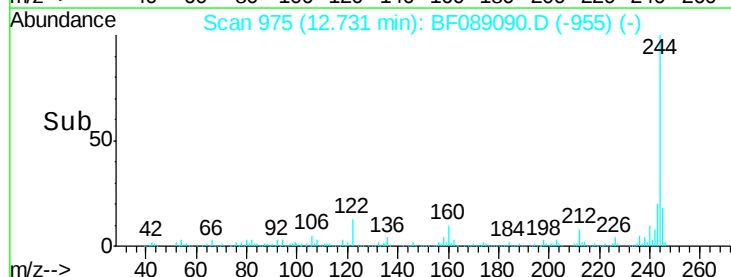
122 13.7 11.2 16.8

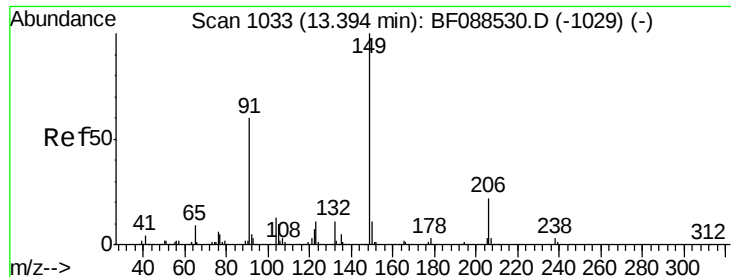


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 6.82 ng

RT: 13.21 min Scan# 1017

Delta R.T. -0.07 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

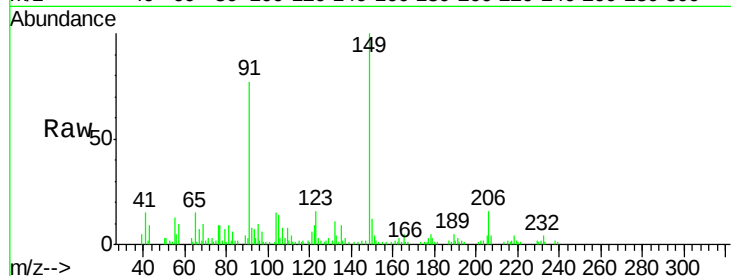
Tgt Ion:149 Resp: 25572

Ion Ratio Lower Upper

149 100

91 77.3 48.0 72.0#

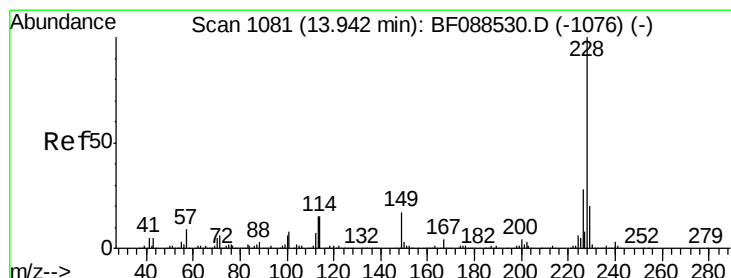
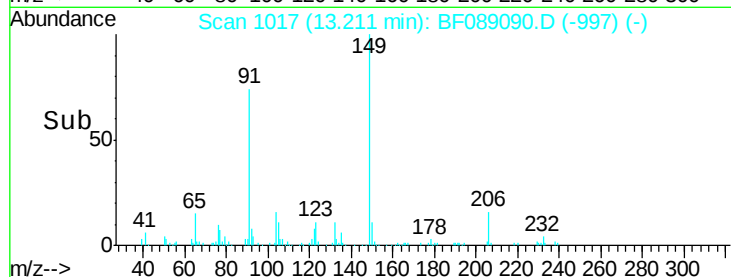
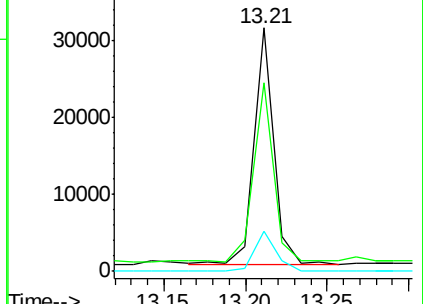
206 16.4 16.0 24.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 15.73 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.08 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

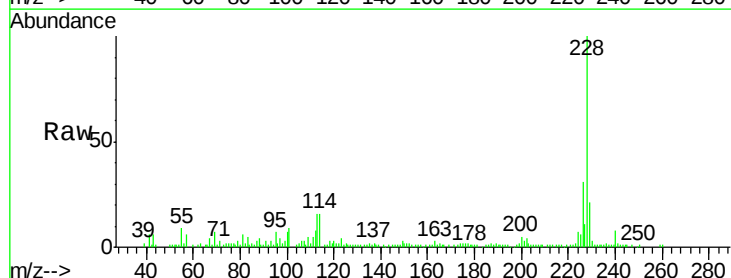
Tgt Ion:228 Resp: 100449

Ion Ratio Lower Upper

228 100

226 30.9 22.3 33.5

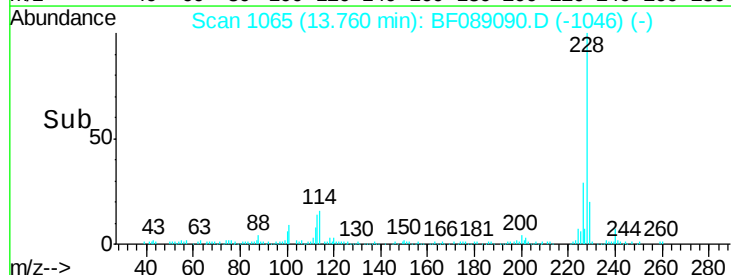
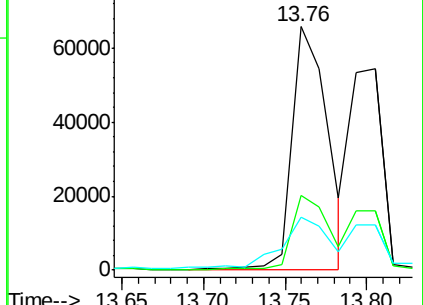
229 21.5 16.0 24.0

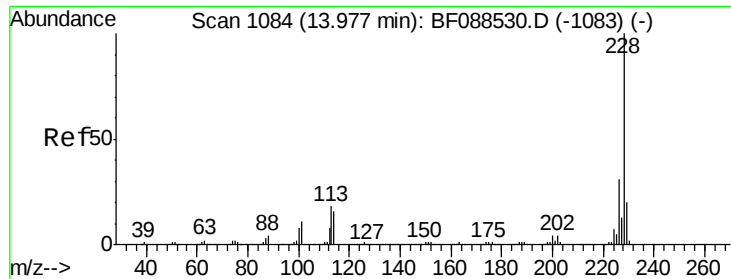


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 15.90 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.11 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

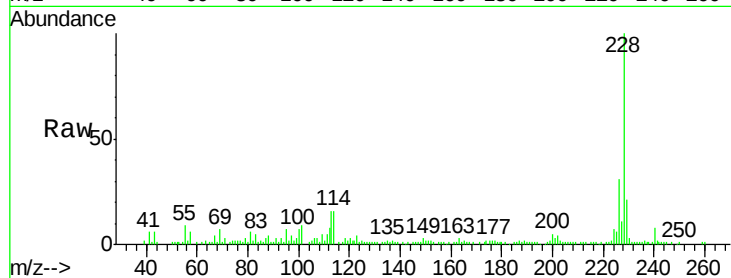
Tgt Ion:228 Resp: 100449

Ion Ratio Lower Upper

228 100

226 30.9 25.4 38.2

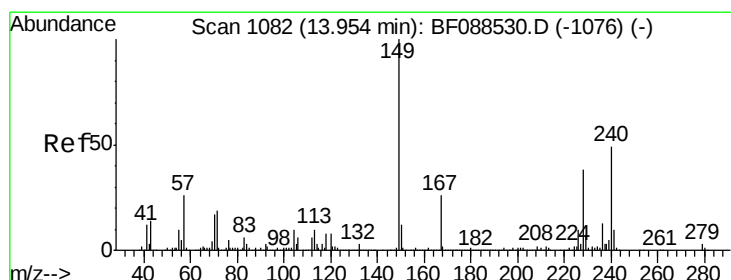
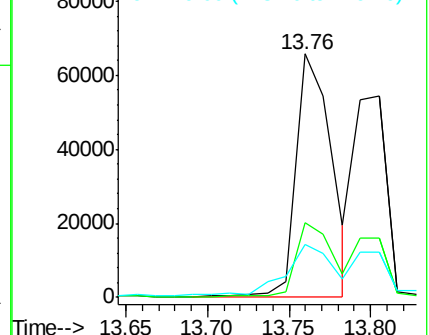
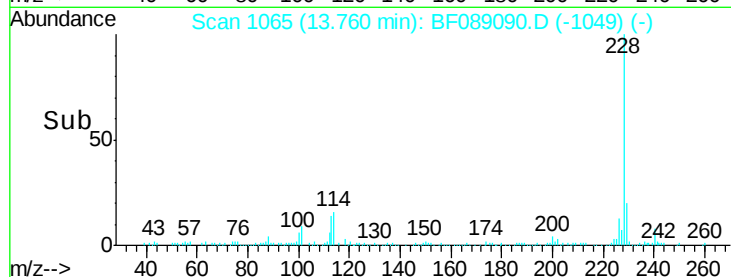
229 21.5 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 6.62 ng

RT: 13.78 min Scan# 1067

Delta R.T. -0.06 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

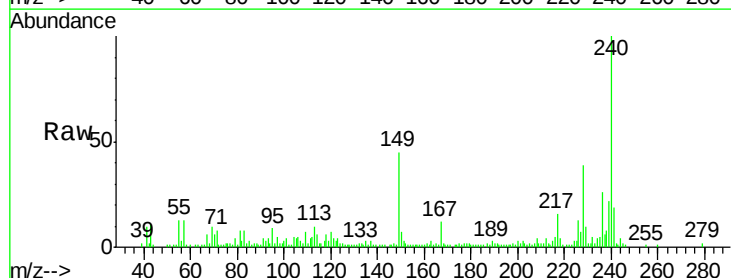
Tgt Ion:149 Resp: 28372

Ion Ratio Lower Upper

149 100

167 26.5 20.5 30.7

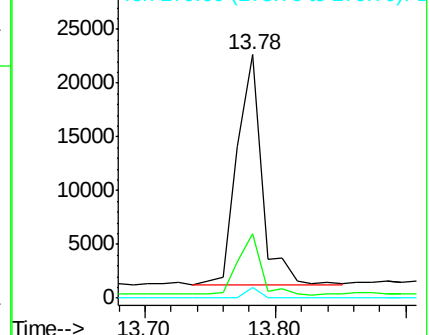
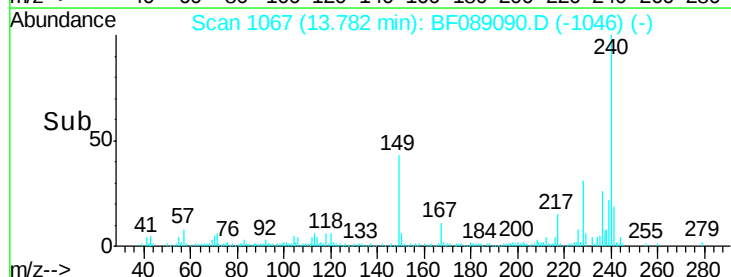
279 4.3 2.0 3.0#

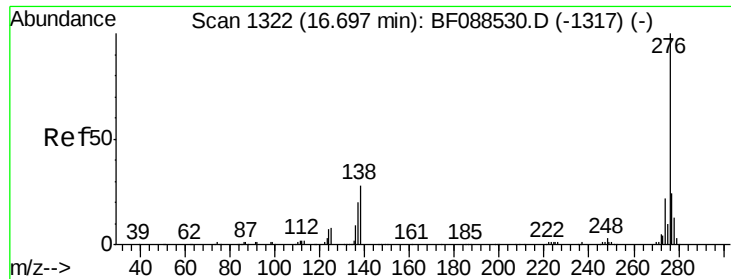


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

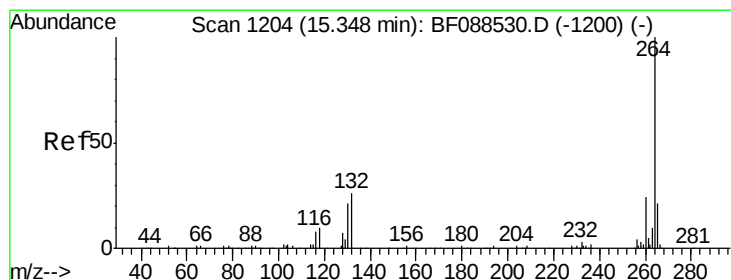
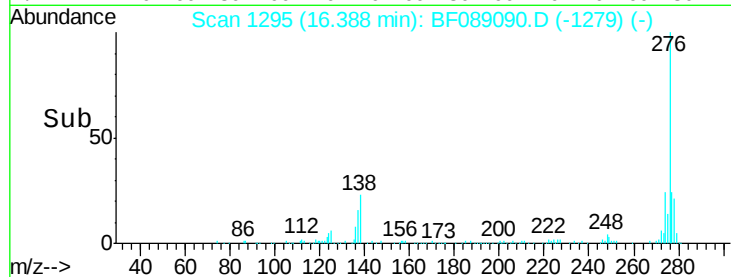
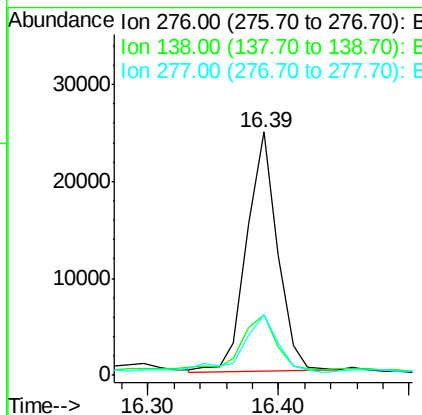
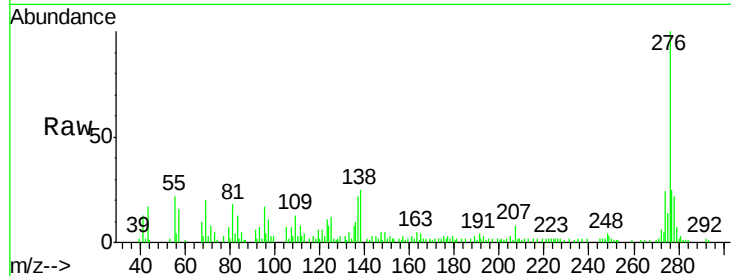




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.27 ng
 RT: 16.39 min Scan# 1295
 Delta R.T. -0.11 min
 Lab File: BF089090.D
 Acq: 18 Jul 2016 19:10

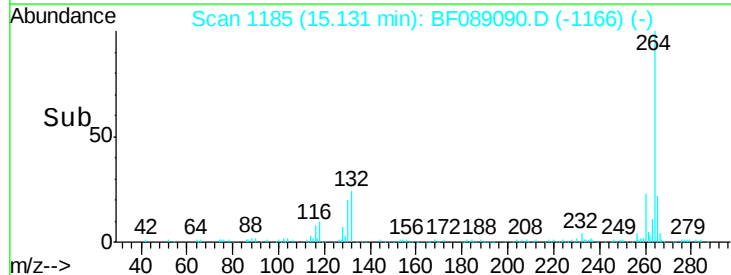
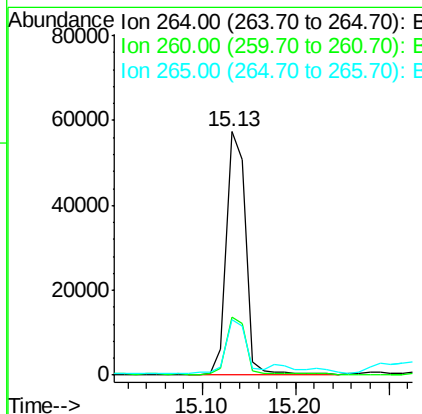
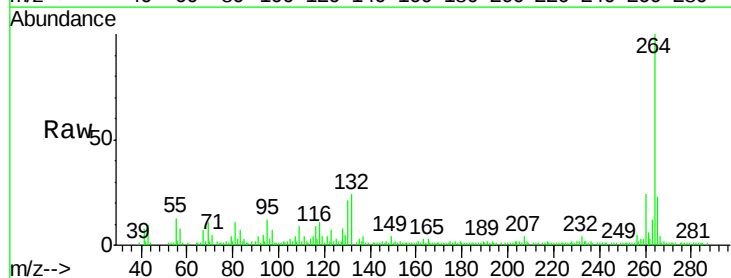
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB04(0-2in)

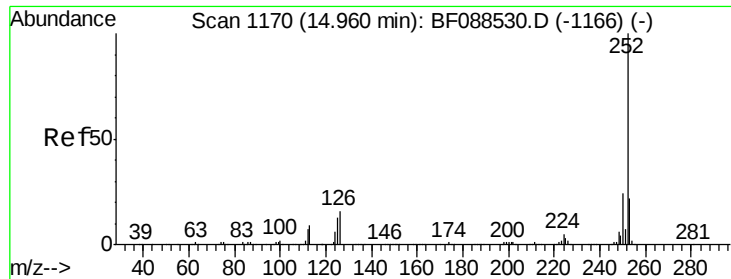
Tgt Ion:276 Resp: 40199
 Ion Ratio Lower Upper
 276 100
 138 27.6 0.0 0.0#
 277 28.9 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.13 min Scan# 1185
 Delta R.T. -0.08 min
 Lab File: BF089090.D
 Acq: 18 Jul 2016 19:10

Tgt Ion:264 Resp: 83684
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 22.9 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 28.15 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.07 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

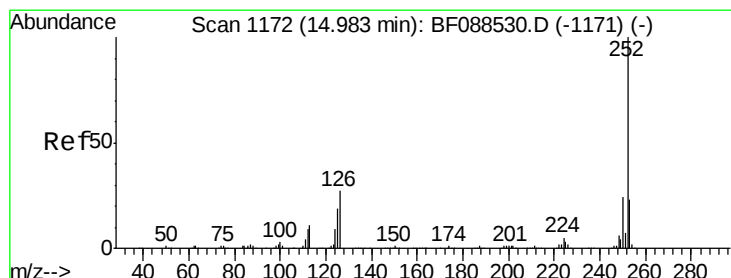
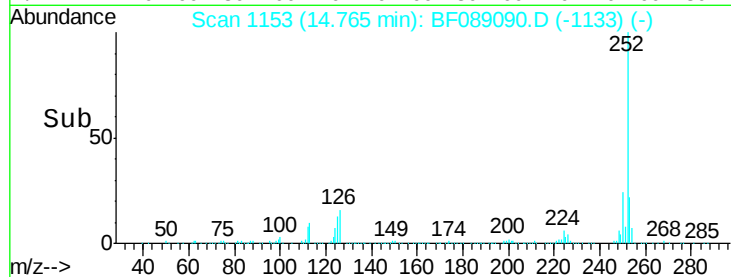
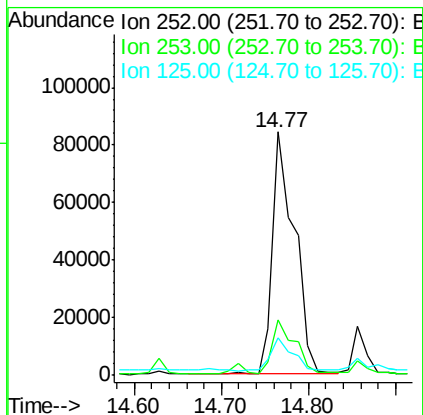
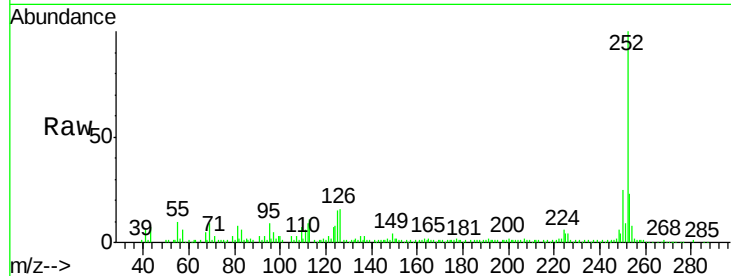
Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

Tgt Ion:	252	Resp:	147796
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.2
125	15.3	7.1	10.7#



#88

Benzo(k)fluoranthene

Concen: 32.34 ng

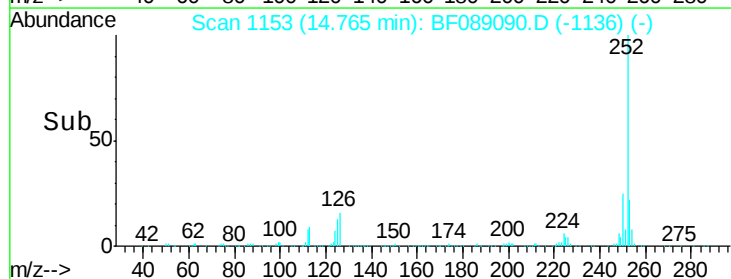
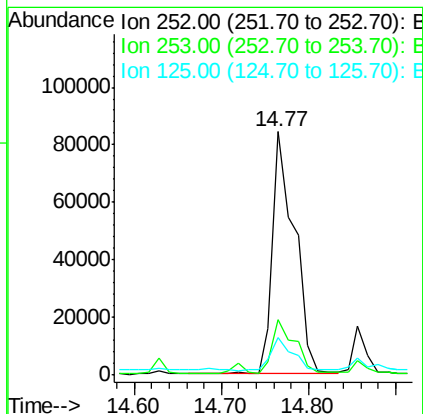
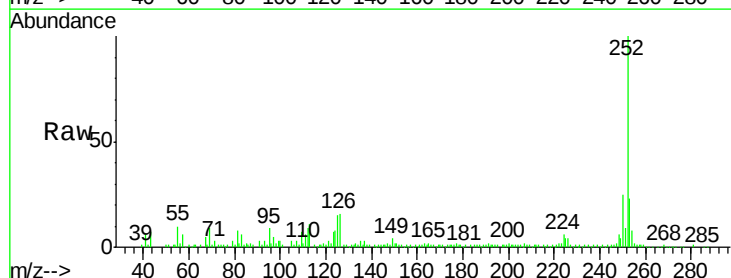
RT: 14.77 min Scan# 1153

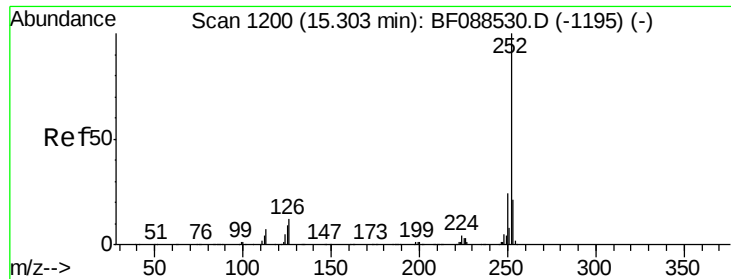
Delta R.T. -0.10 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

Tgt Ion:	252	Resp:	147796
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.0	27.0
125	15.3	11.2	16.8





#89

Benzo(a)pyrene

Concen: 12.82 ng

RT: 15.03 min Scan# 1176

Delta R.T. -0.14 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

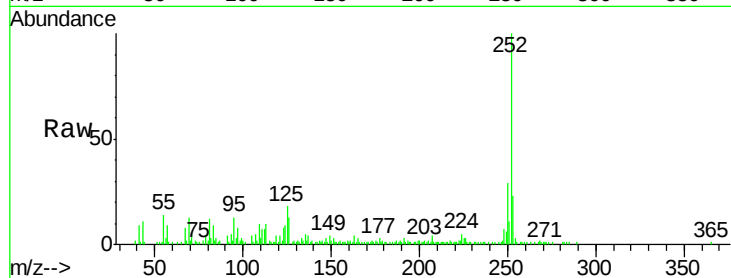
Tgt Ion:252 Resp: 56972

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

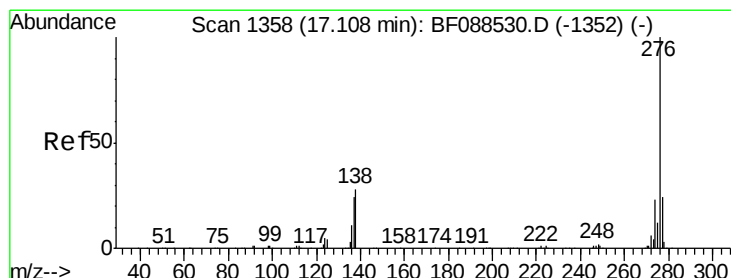
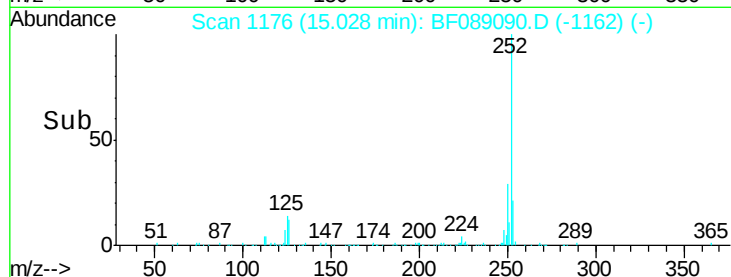
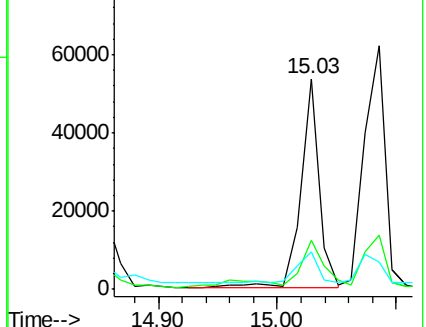
125 17.8 12.5 18.7



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: 11.15 ng

RT: 16.77 min Scan# 1328

Delta R.T. -0.13 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

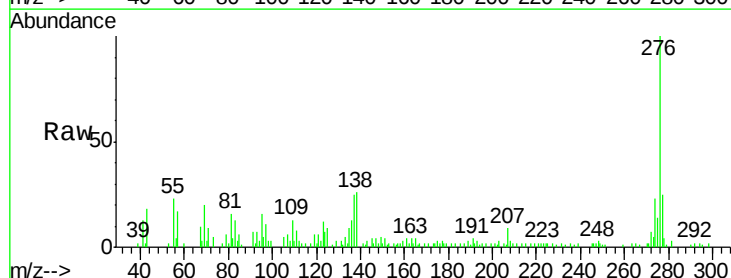
Tgt Ion:276 Resp: 42838

Ion Ratio Lower Upper

276 100

277 25.2 18.9 28.3

138 25.8 21.4 32.2



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

