

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071816\
 Data File : BF089087.D
 Acq On : 18 Jul 2016 17:39
 Operator : UM/SJ
 Sample : H3951-01 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB01(0-2in)

Quant Time: Jul 19 03:45:29 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 19 03:29:12 2016
 Response via : Initial Calibration

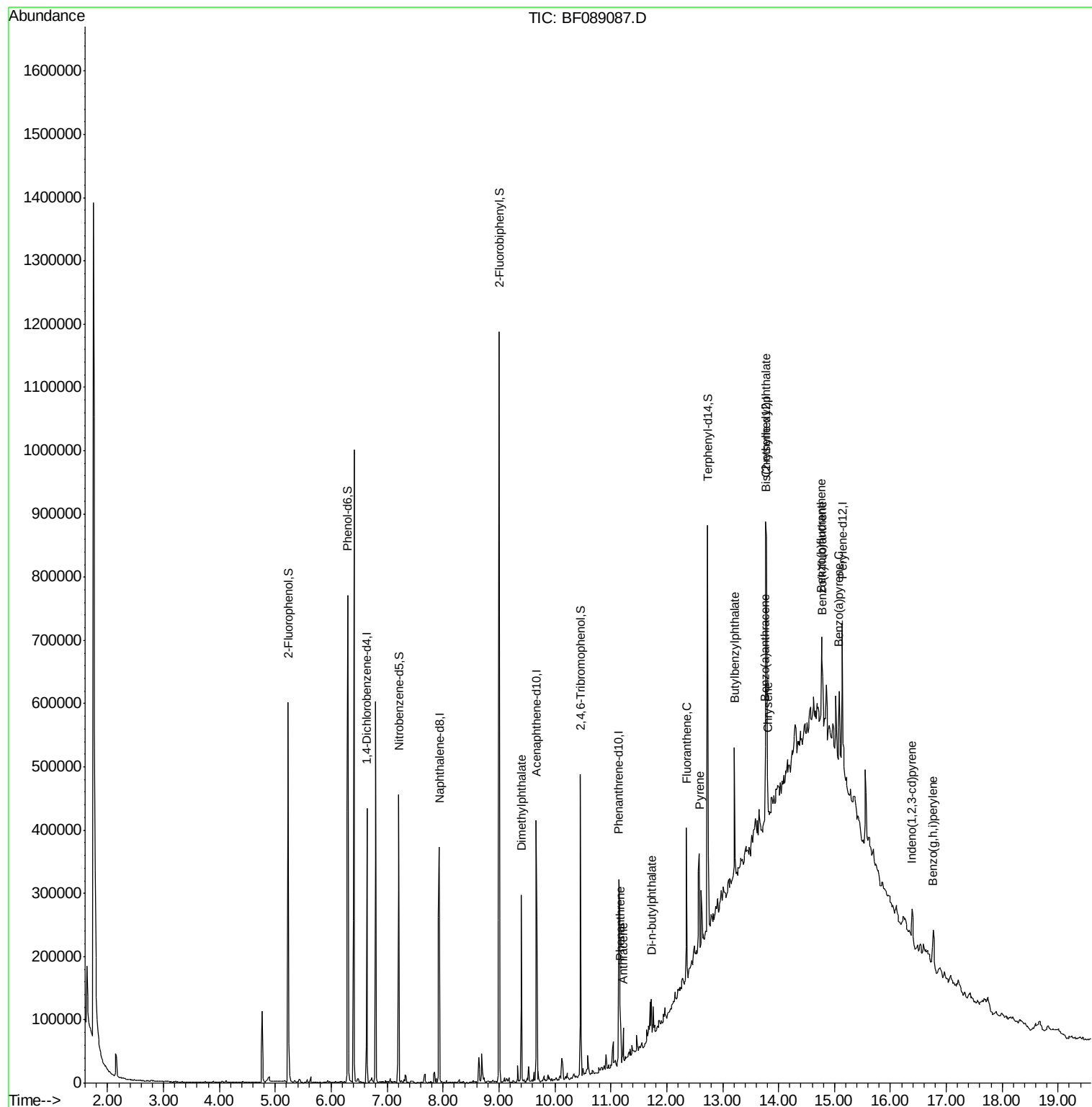
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	58020	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	217255	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	88615	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	140139	20.00	ng	-0.01
75) Chrysene-d12	13.77	240	104180	20.00	ng	0.00
86) Perylene-d12	15.14	264	101478	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	225294	58.20	ng	0.01
7) Phenol-d6	6.30	99	316174	63.21	ng	0.00
23) Nitrobenzene-d5	7.21	82	191228	46.13	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	40674	49.43	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	339790	60.57	ng	0.00
78) Terphenyl-d14	12.73	244	175302	37.48	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.40	163	130979	20.75	ng	98
70) Phenanthrene	11.16	178	40526	5.29	ng	99
71) Anthracene	11.22	178	15858	2.08	ng	97
73) Di-n-butylphthalate	11.72	149	24678	2.96	ng	98
74) Fluoranthene	12.35	202	84148	10.84	ng	97
77) Pyrene	12.58	202	78553	8.89	ng	98
79) Butylbenzylphthalate	13.21	149	45144	11.46	ng	# 75
80) Benzo(a)anthracene	13.76	228	46839	6.98	ng	# 93
82) Chrysene	13.81	228	35603m	5.36	ng	
83) Bis(2-ethylhexyl)phthalate	13.78	149	98764	21.96	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.39	276	31135	6.10	ng	# 100
87) Benzo(b)fluoranthene	14.77	252	61029m	9.59	ng	
88) Benzo(k)fluoranthene	14.78	252	26658m	4.81	ng	
89) Benzo(a)pyrene	15.09	252	42250	7.84	ng	# 92
91) Benzo(a,h,i)perylene	16.77	276	41669	8.95	ng	94

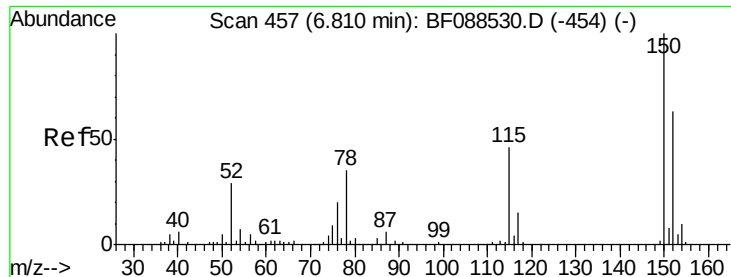
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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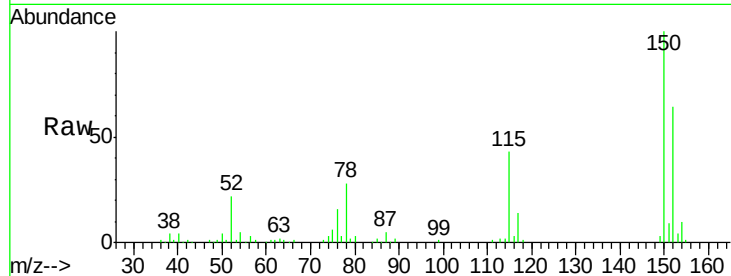


#1

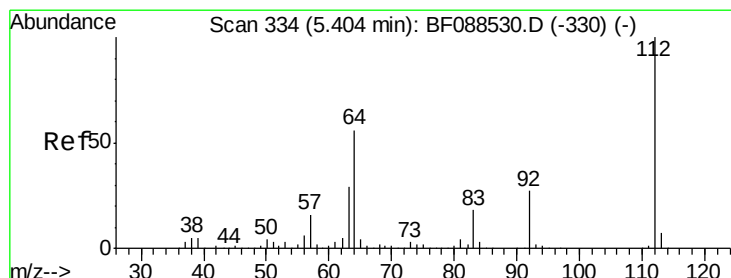
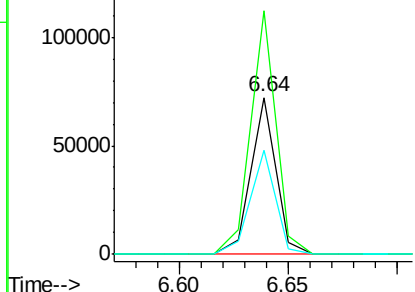
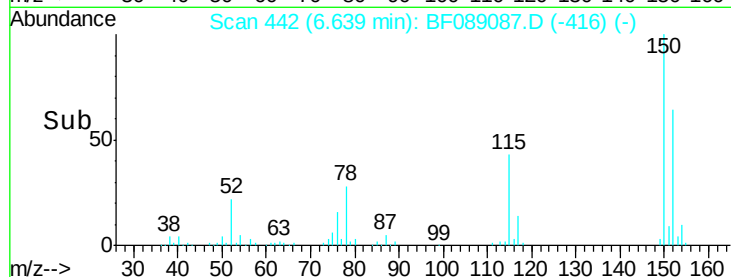
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 442
Delta R.T. -0.00 min
Lab File: BF089087.D
Acq: 18 Jul 2016 17:39

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB01(0-2in)

Tot Ion:152 Resp: 58020
Ion Ratio Lower Upper
152 100
150 155.5 123.8 185.6
115 66.6 39.6 59.4#



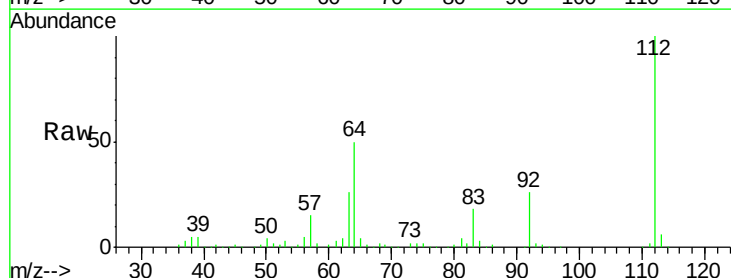
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



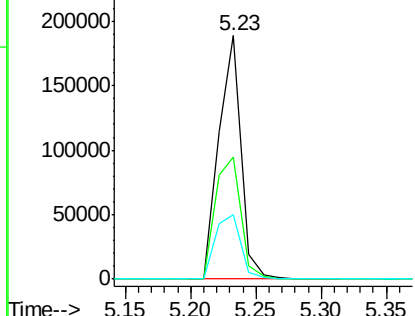
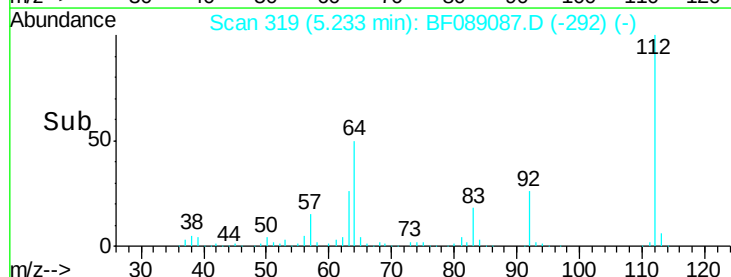
#5

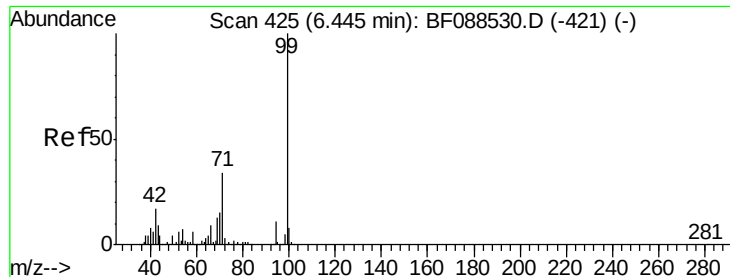
2-Fluorophenol
Concen: 58.20 ng
RT: 5.23 min Scan# 319
Delta R.T. 0.01 min
Lab File: BF089087.D
Acq: 18 Jul 2016 17:39

Tgt Ion:112 Resp: 225294
Ion Ratio Lower Upper
112 100
64 50.0 42.2 63.2
63 26.3 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: 63.21 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.00 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB01(0-2in)

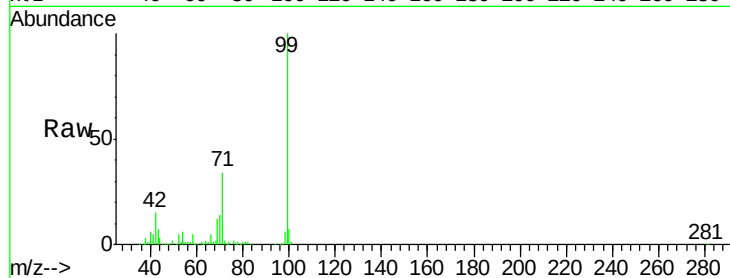
Tot Ion: 99 Resp: 316174

Ion Ratio Lower Upper

99 100

42 14.9 12.2 18.2

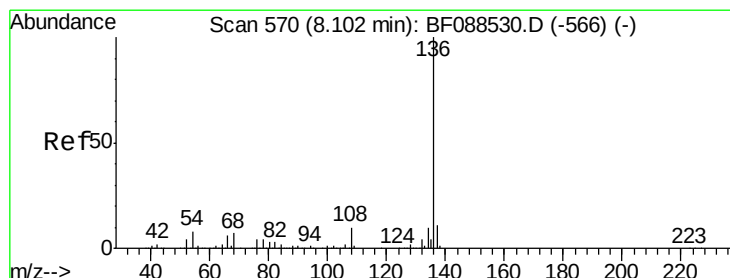
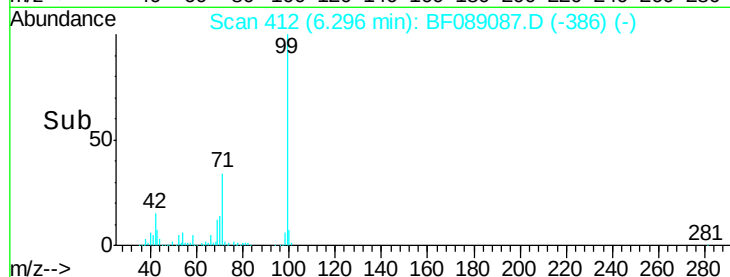
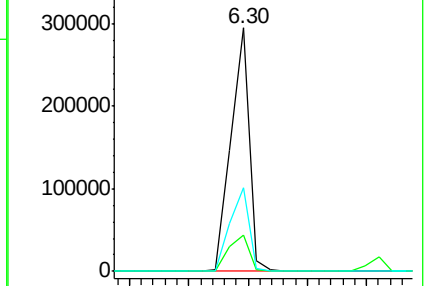
71 34.5 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.00 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

Tgt Ion: 136 Resp: 217255

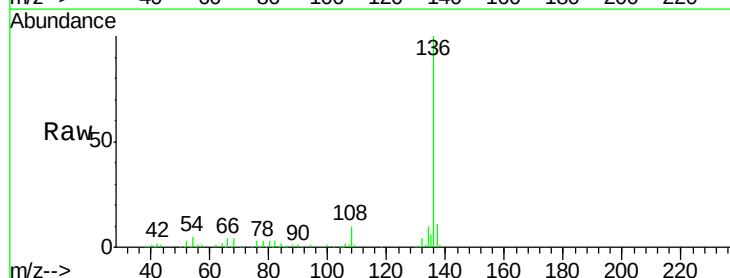
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.1 6.6 10.0#

68 4.2 5.1 7.7#

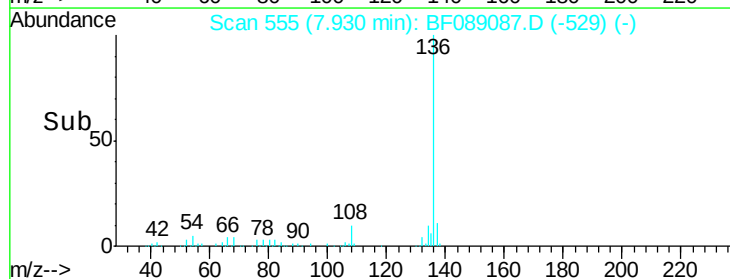
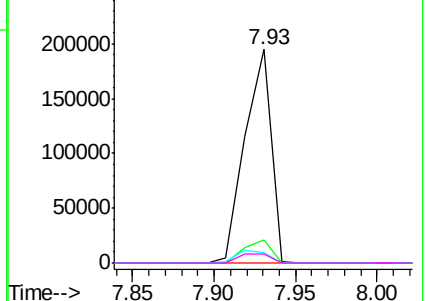


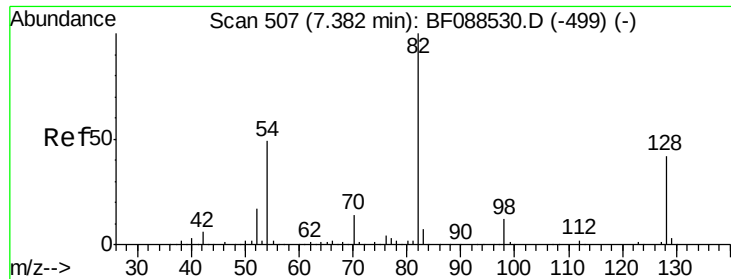
Abundance Ion 136.00 (135.70 to 136.70): E

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

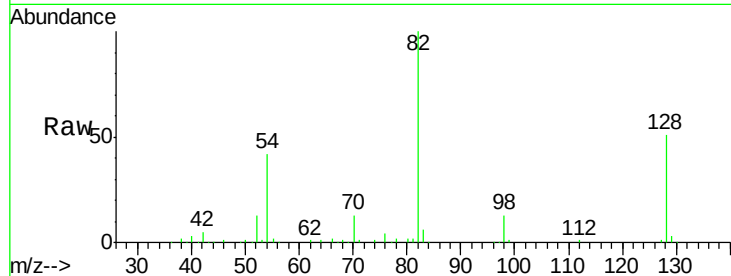




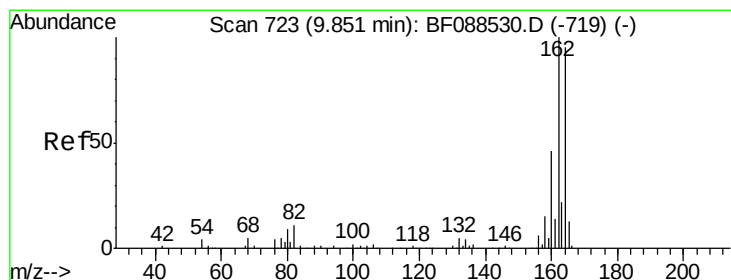
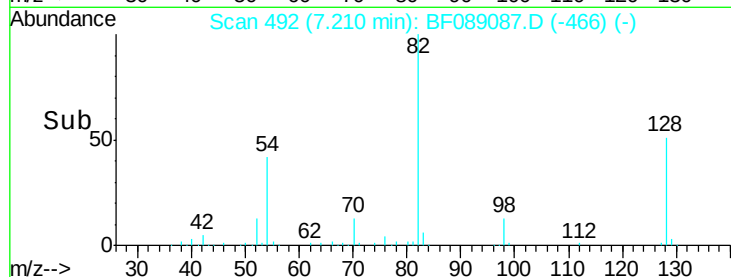
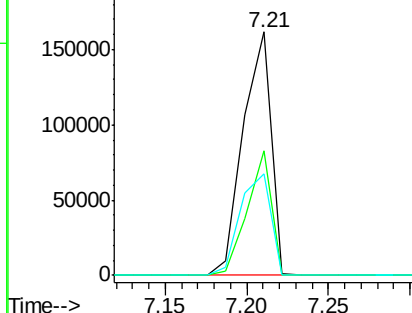
#23
 Nitrobenzene-d5
 Concen: 46.13 ng
 RT: 7.21 min Scan# 492
 Delta R.T. -0.00 min
 Lab File: BF089087.D
 Acq: 18 Jul 2016 17:39

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB01(0-2in)

Tot Ion	82	Resp	191228
Ion Ratio	100	Lower	Upper
128	51.0	35.9	53.9
54	41.6	40.9	61.3

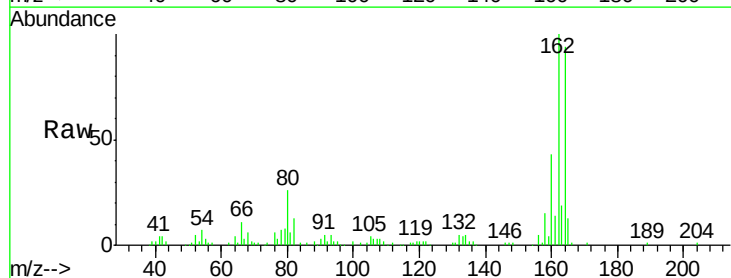


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

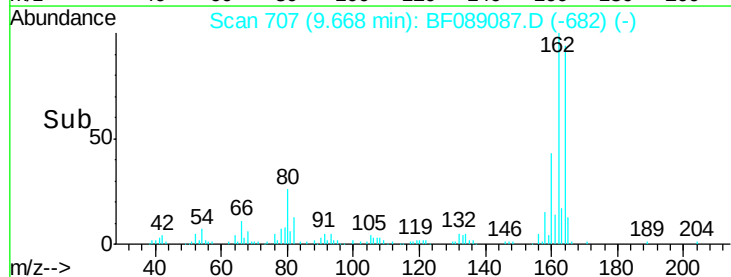
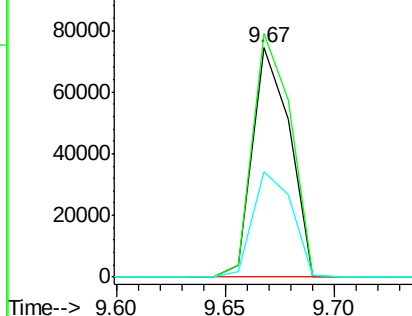


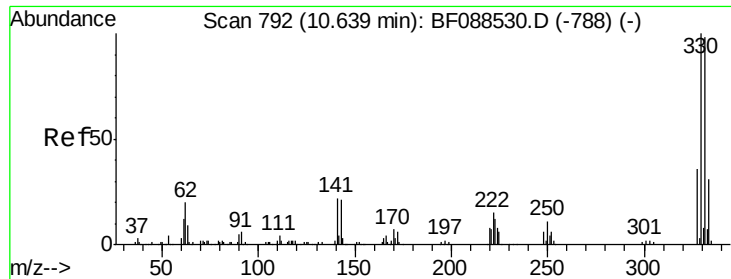
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.67 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: BF089087.D
 Acq: 18 Jul 2016 17:39

Tgt Ion	164	Resp	88615
Ion Ratio	100	Lower	Upper
162	106.2	85.4	128.2
160	46.1	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

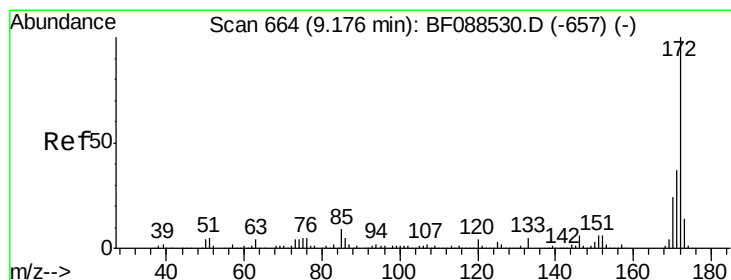
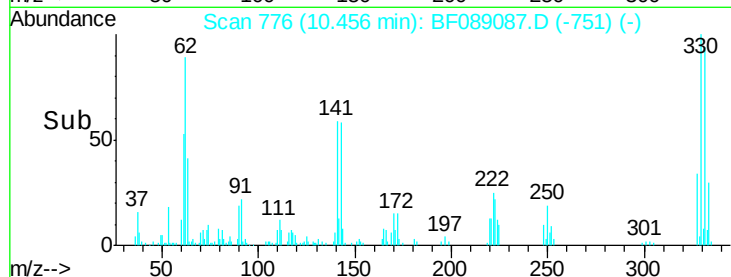
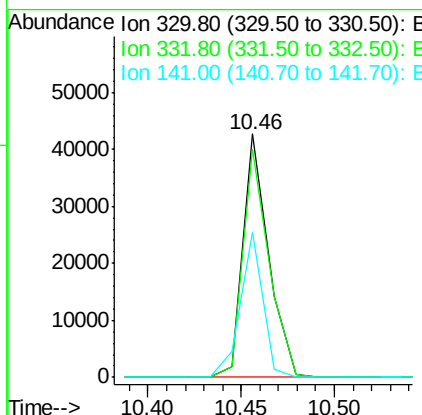
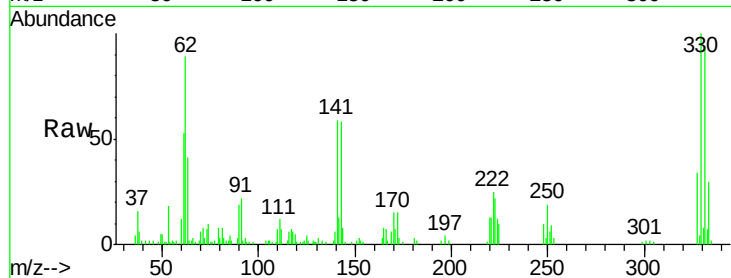




#41
 2,4,6-Tribromophenol
 Concen: 49.43 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: BF089087.D
 Acq: 18 Jul 2016 17:39

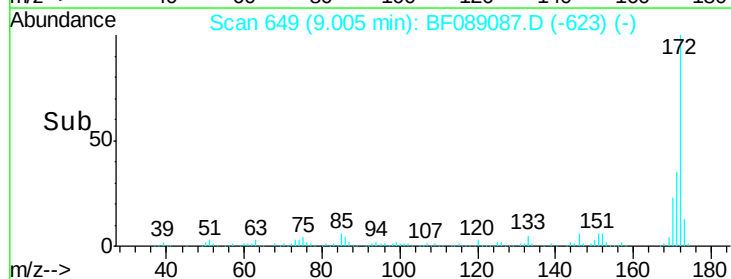
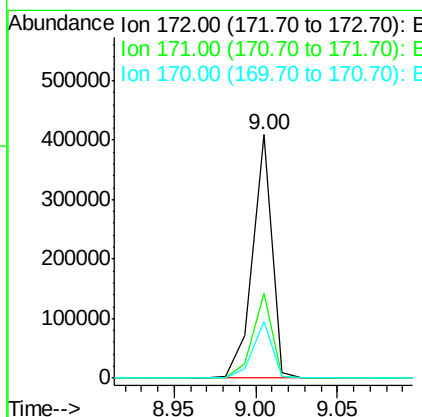
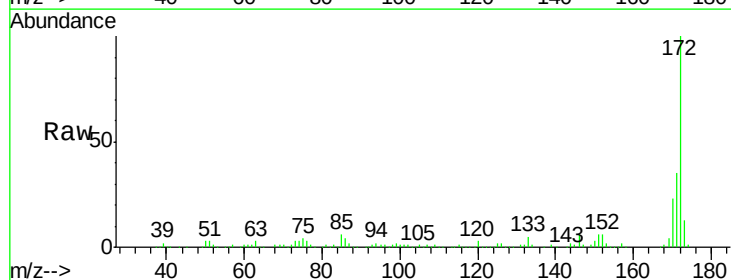
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB01(0-2in)

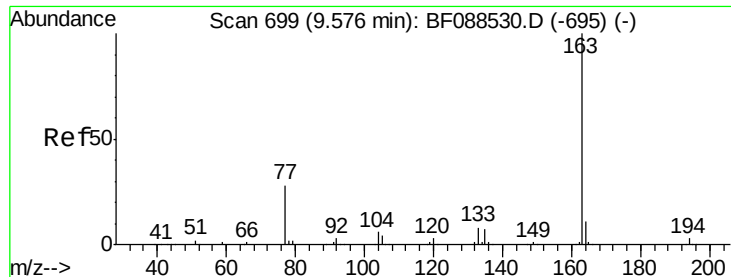
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	0.0	0.0#
141	52.7	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 60.57 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: BF089087.D
 Acq: 18 Jul 2016 17:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	23.4	19.2	28.8





#49

Dimethylphthalate

Concen: 20.75 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB01(0-2in)

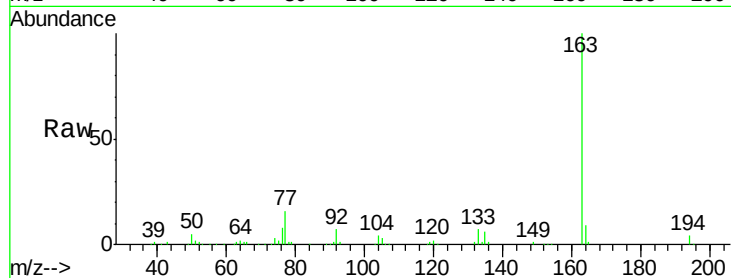
Tot Ion:163 Resp: 130979

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

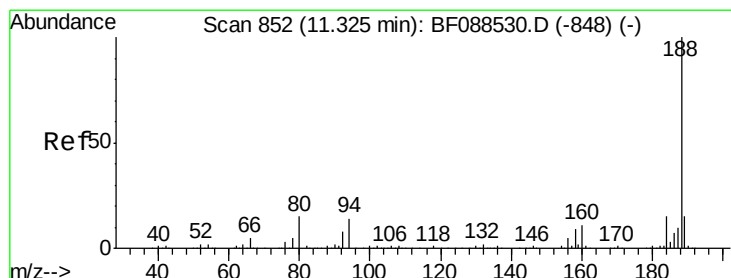
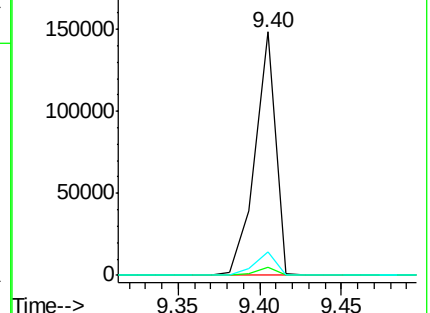
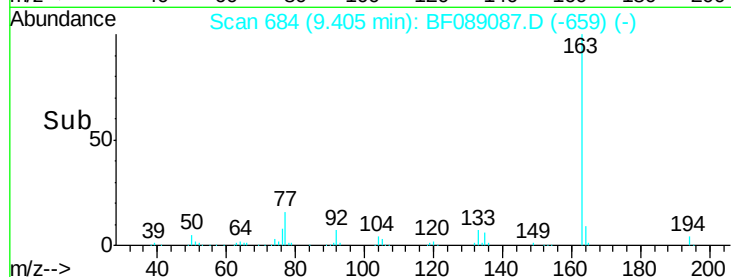
164 9.4 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

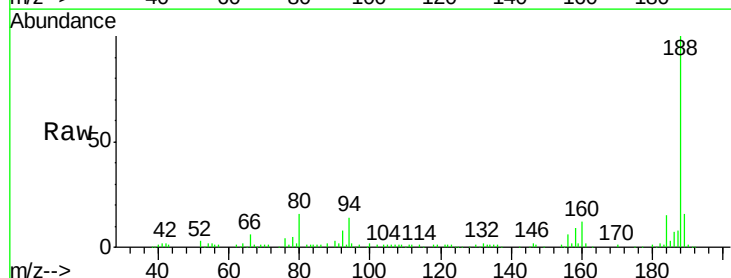
Tgt Ion:188 Resp: 140139

Ion Ratio Lower Upper

188 100

94 13.5 9.0 13.6

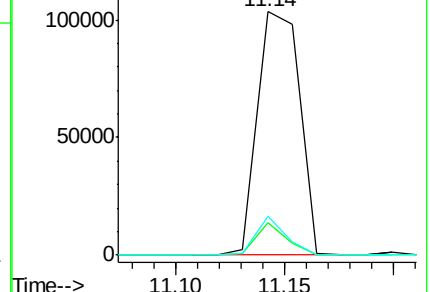
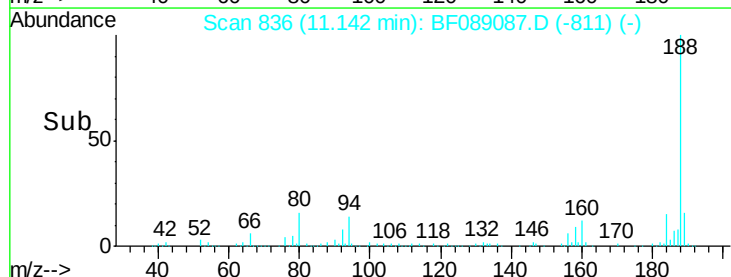
80 16.2 10.0 15.0#

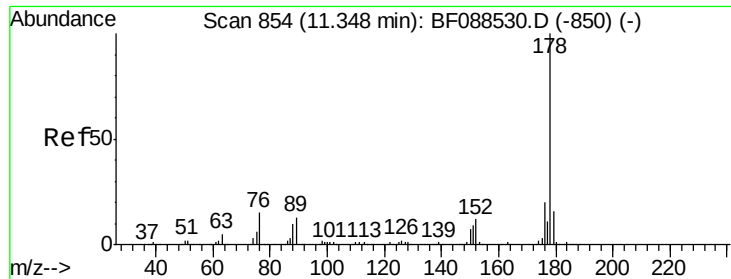


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

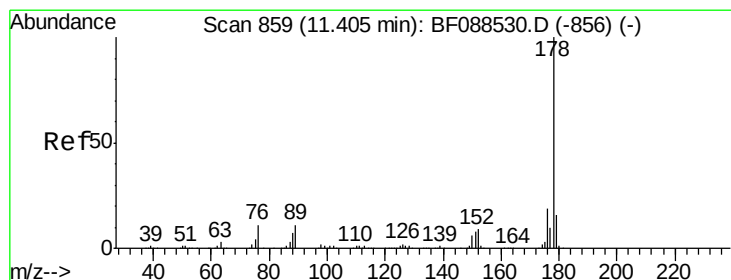
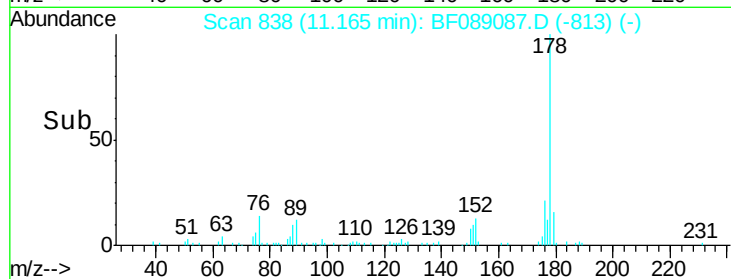
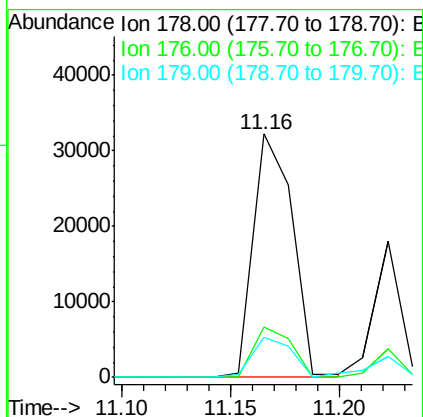
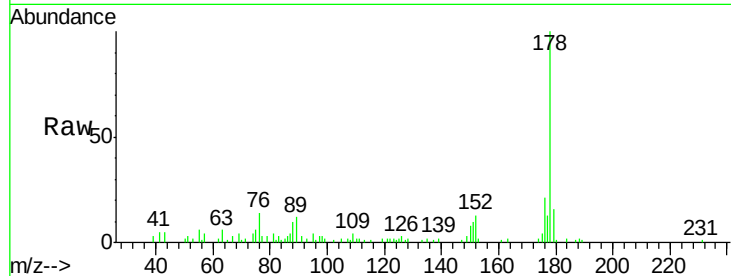




#70
Phenanthrene
Concen: 5.29 ng
RT: 11.16 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF089087.D
Acq: 18 Jul 2016 17:39

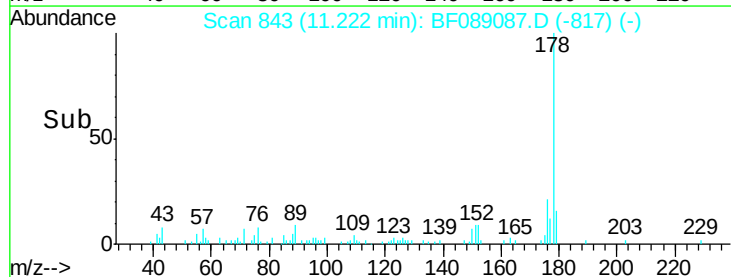
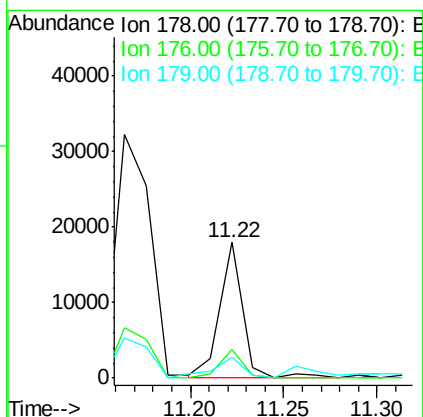
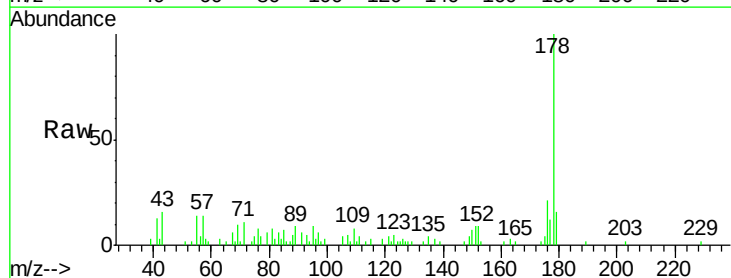
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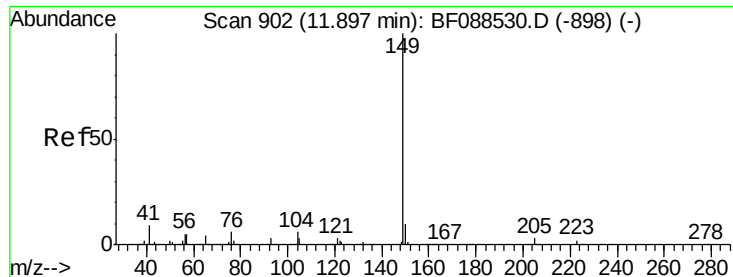
Tot Ion:178 Resp: 40526
Ion Ratio Lower Upper
178 100
176 20.6 15.8 23.6
179 16.4 13.0 19.4



#71
Anthracene
Concen: 2.08 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.00 min
Lab File: BF089087.D
Acq: 18 Jul 2016 17:39

Tgt Ion:178 Resp: 15858
Ion Ratio Lower Upper
178 100
176 21.2 15.6 23.4
179 15.5 12.8 19.2





#73

Di-n-butylphthalate

Concen: 2.96 ng

RT: 11.72 min Scan# 887

Delta R.T. -0.00 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB01(0-2in)

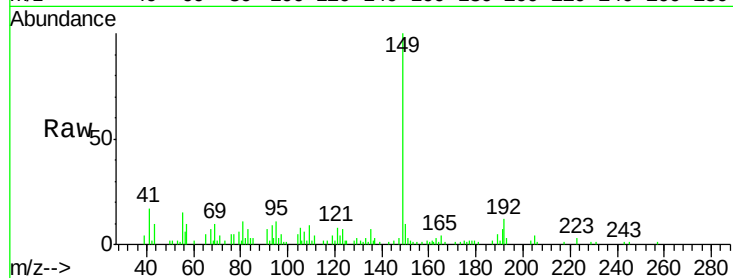
Tot Ion:149 Resp: 24678

Ion Ratio Lower Upper

149 100

150 10.4 7.8 11.6

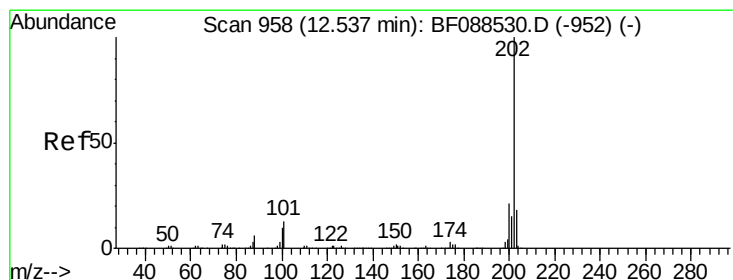
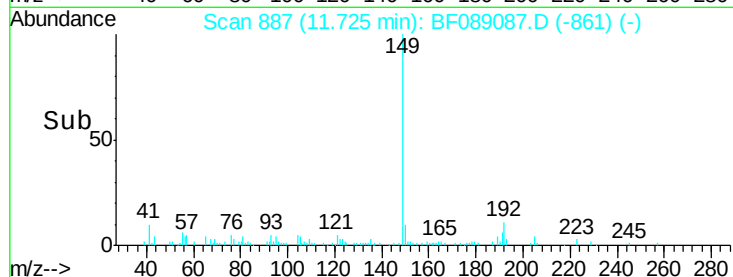
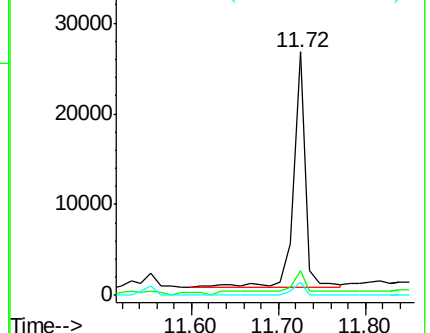
104 5.3 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 10.84 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

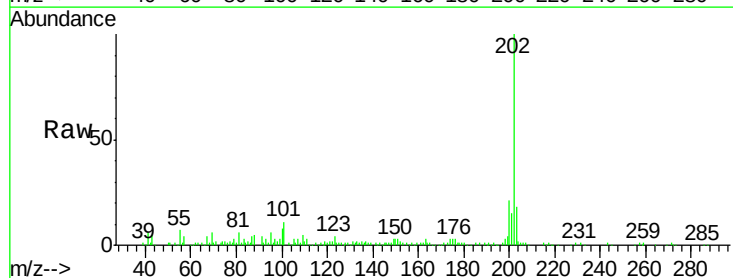
Tgt Ion:202 Resp: 84148

Ion Ratio Lower Upper

202 100

101 10.6 0.0 33.1

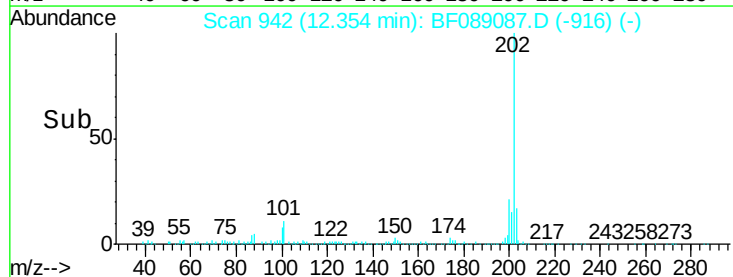
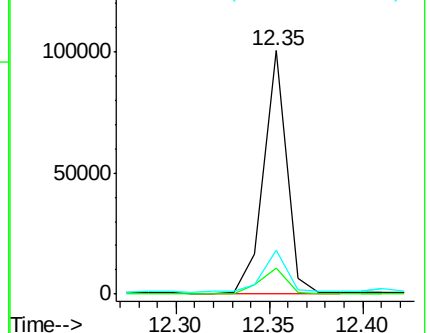
203 18.1 0.0 38.1

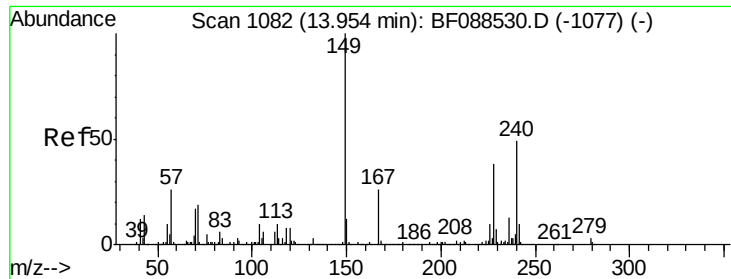


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

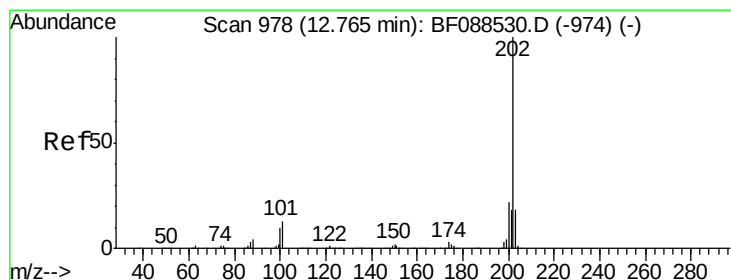
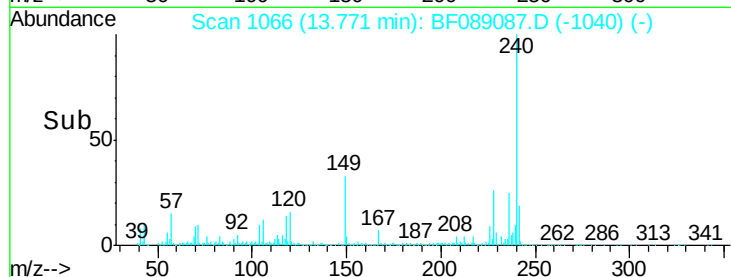
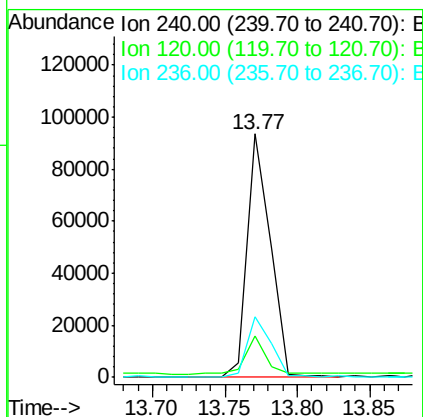
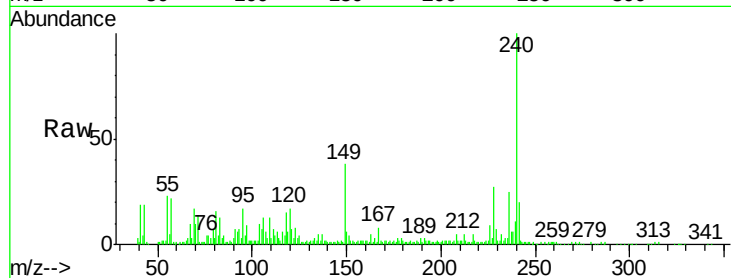




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.77 min Scan# 1066
Delta R.T. -0.00 min
Lab File: BF089087.D
Acq: 18 Jul 2016 17:39

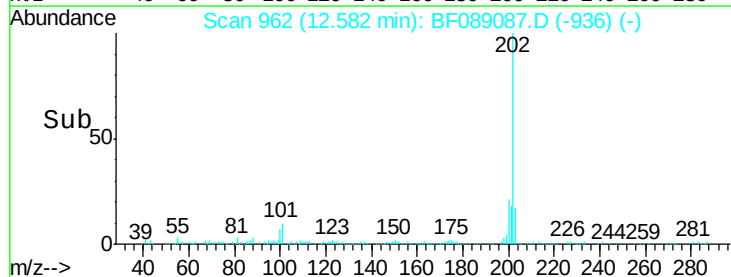
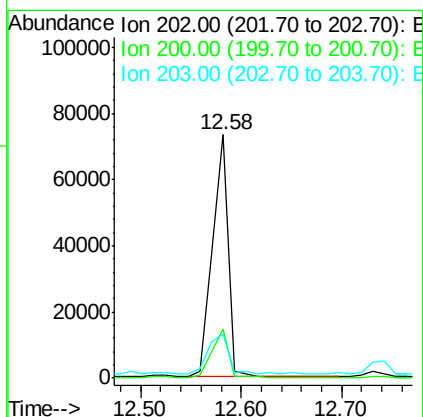
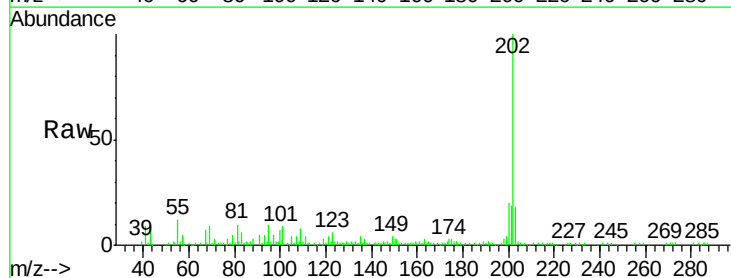
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB01(0-2in)

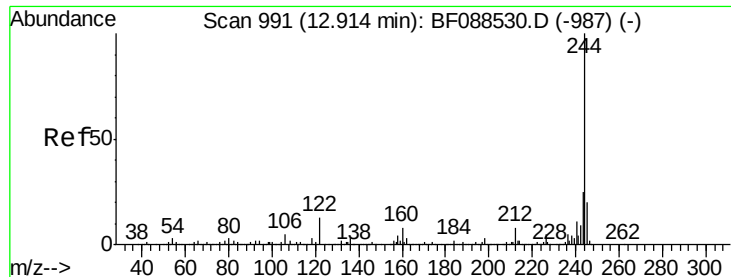
Tot Ion:240 Resp: 104180
Ion Ratio Lower Upper
240 100
120 17.2 6.8 10.2#
236 24.9 20.2 30.2



#77
Pyrene
Concen: 8.89 ng
RT: 12.58 min Scan# 962
Delta R.T. -0.00 min
Lab File: BF089087.D
Acq: 18 Jul 2016 17:39

Tgt Ion:202 Resp: 78553
Ion Ratio Lower Upper
202 100
200 20.4 17.4 26.2
203 18.1 14.5 21.7





#78

Terphenyl-d14

Concen: 37.48 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.00 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB01(0-2in)

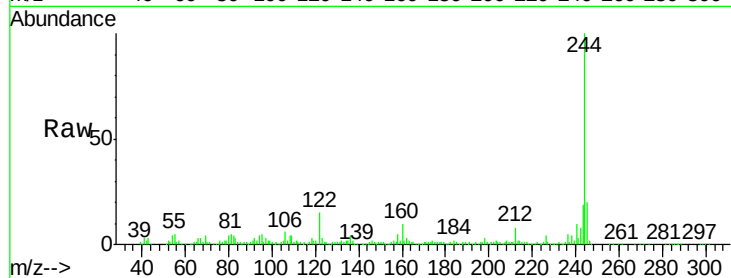
Tot Ion:244 Resp: 175302

Ion Ratio Lower Upper

244 100

212 8.0 6.0 9.0

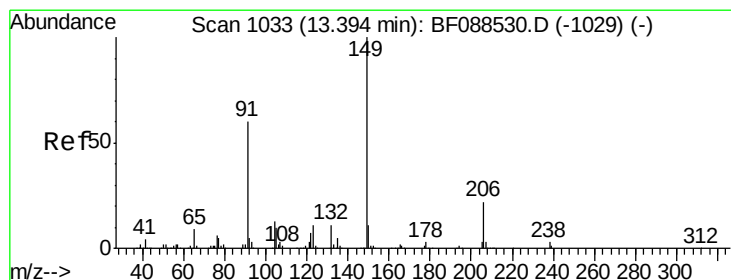
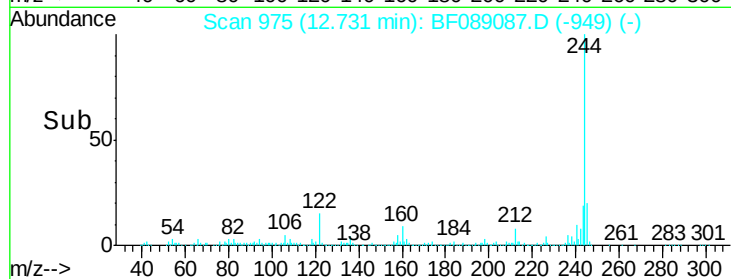
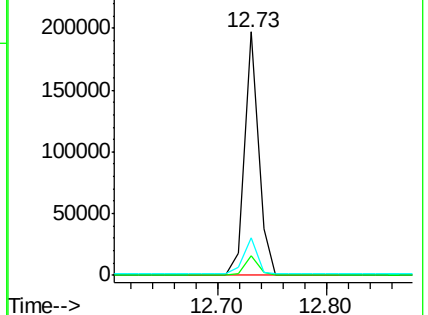
122 15.5 11.2 16.8



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: 11.46 ng

RT: 13.21 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

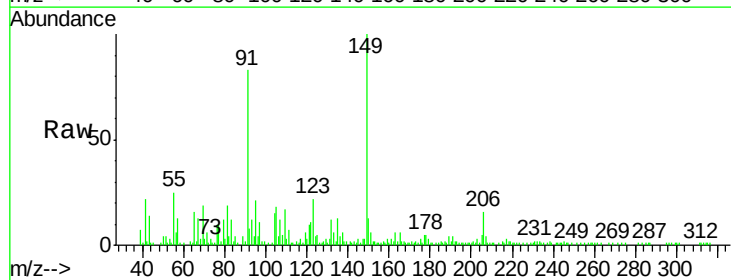
Tgt Ion:149 Resp: 45144

Ion Ratio Lower Upper

149 100

91 83.3 48.0 72.0#

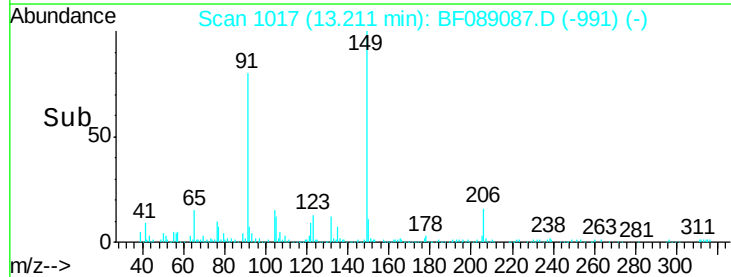
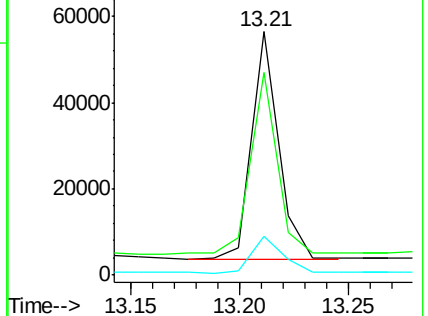
206 16.0 16.0 24.0

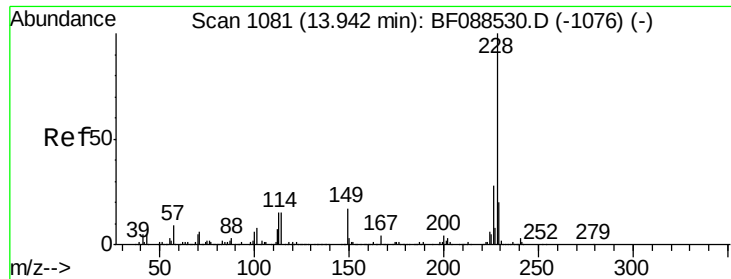


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 6.98 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB01(0-2in)

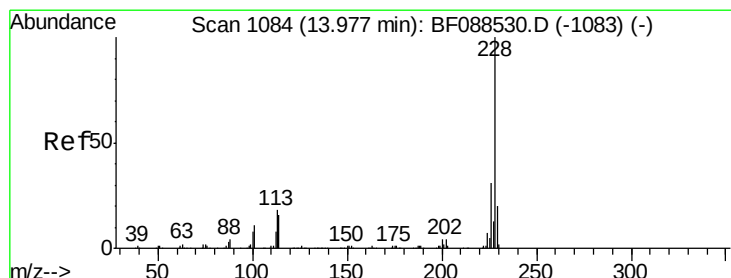
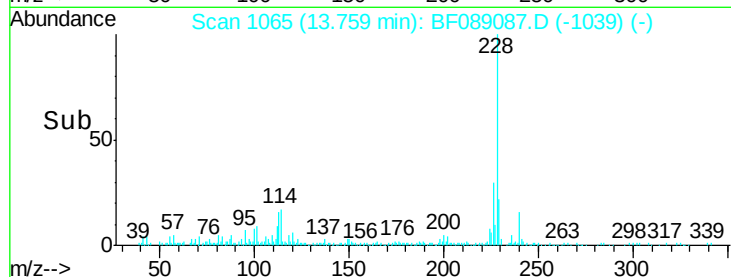
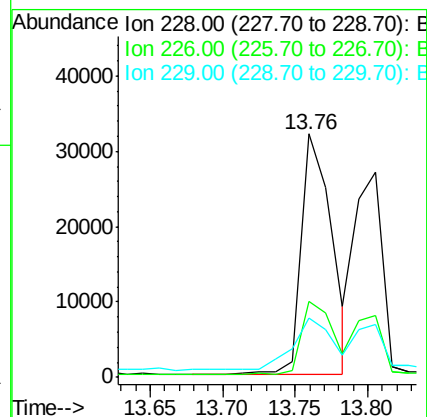
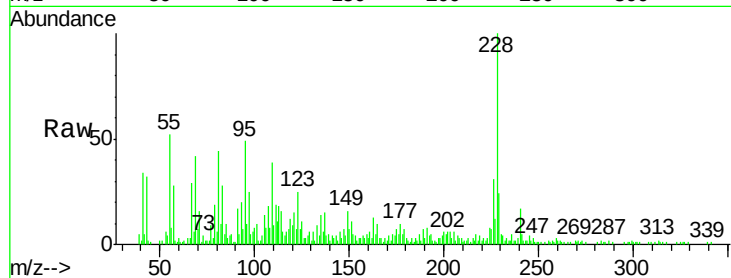
Tot Ion:228 Resp: 46839

Ion Ratio Lower Upper

228 100

226 31.1 22.3 33.5

229 24.1 16.0 24.0#



#82

Chrysene

Concen: 5.36 ng m

RT: 13.81 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

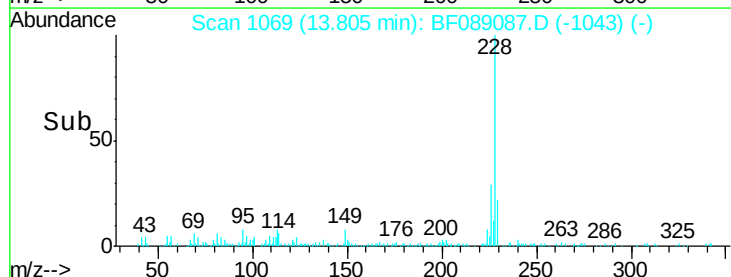
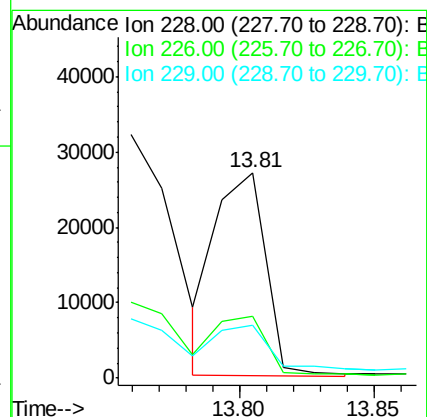
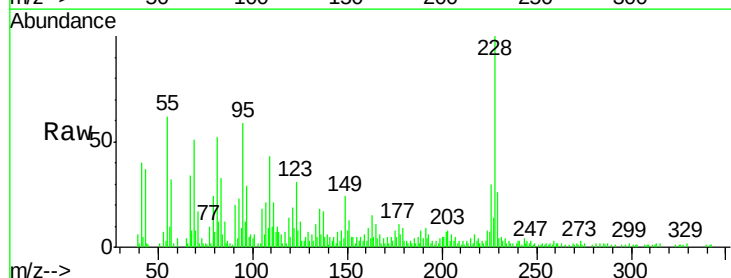
Tgt Ion:228 Resp: 35603

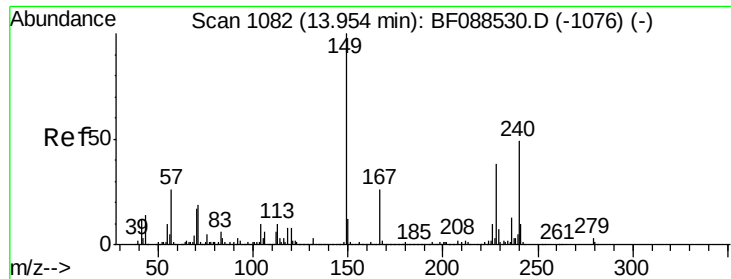
Ion Ratio Lower Upper

228 100

226 29.8 25.4 38.2

229 25.9 16.3 24.5#

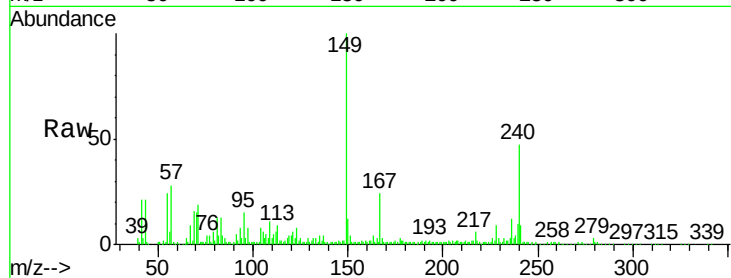




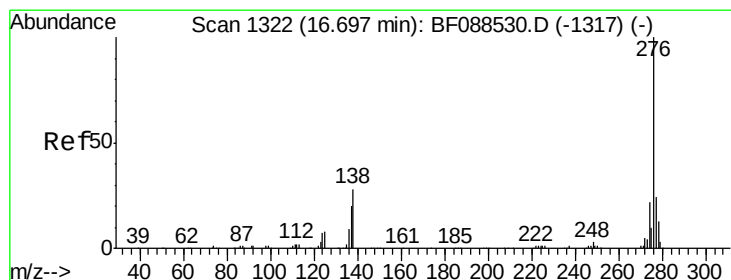
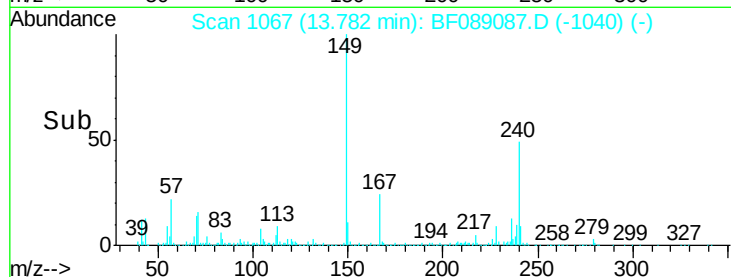
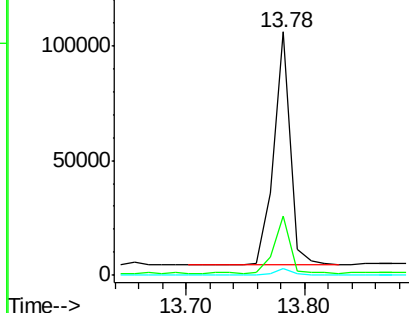
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 21.96 ng
 RT: 13.78 min Scan# 1067
 Delta R.T. 0.01 min
 Lab File: BF089087.D
 Acq: 18 Jul 2016 17:39

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB01(0-2in)

Tot Ion:149 Resp: 98764
 Ion Ratio Lower Upper
 149 100
 167 24.2 20.5 30.7
 279 3.0 2.0 3.0#

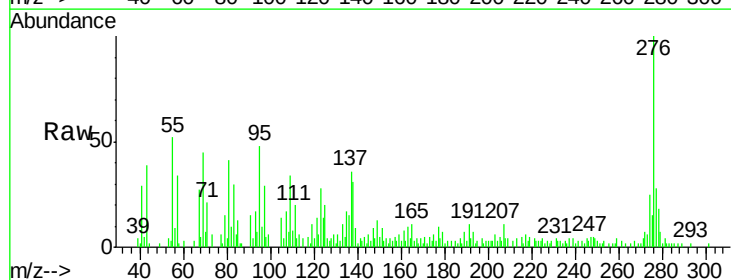


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

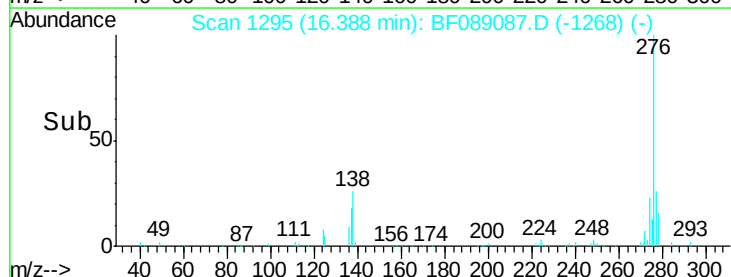
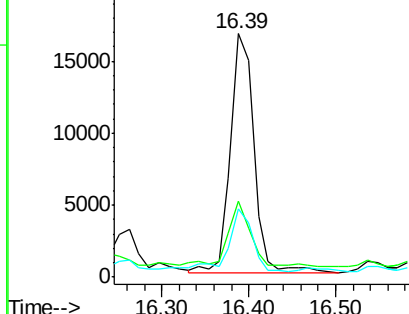


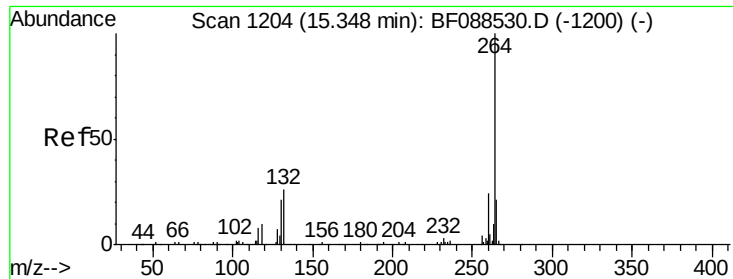
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.10 ng
 RT: 16.39 min Scan# 1295
 Delta R.T. 0.01 min
 Lab File: BF089087.D
 Acq: 18 Jul 2016 17:39

Tgt Ion:276 Resp: 31135
 Ion Ratio Lower Upper
 276 100
 138 27.5 0.0 0.0#
 277 27.1 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



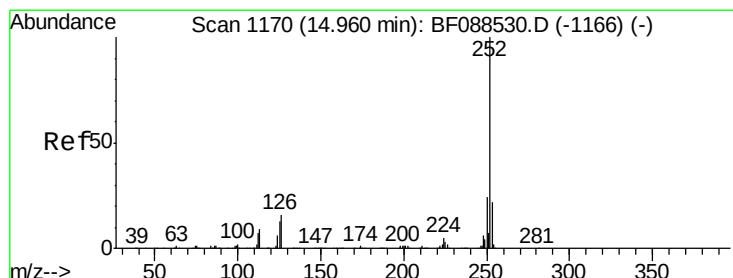
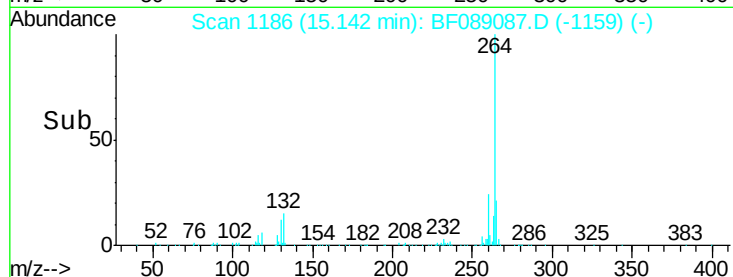
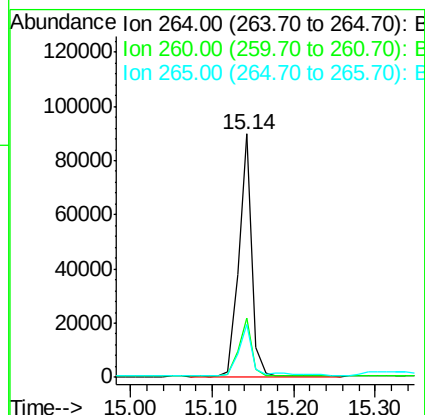
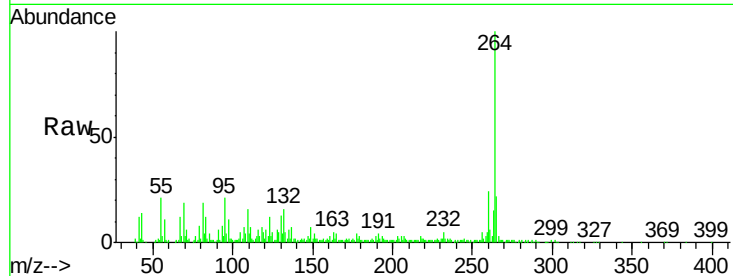


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 1186
Delta R.T. 0.01 min
Lab File: BF089087.D
Acq: 18 Jul 2016 17:39

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB01(0-2in)

Tot Ion:264 Resp: 101478

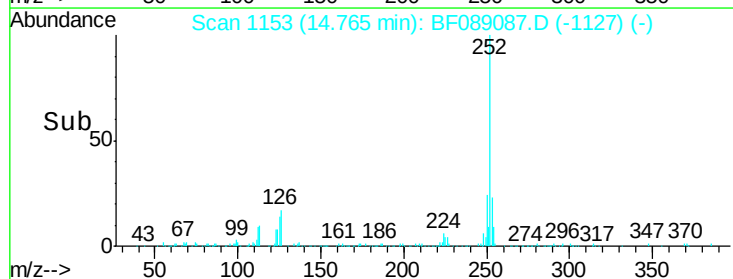
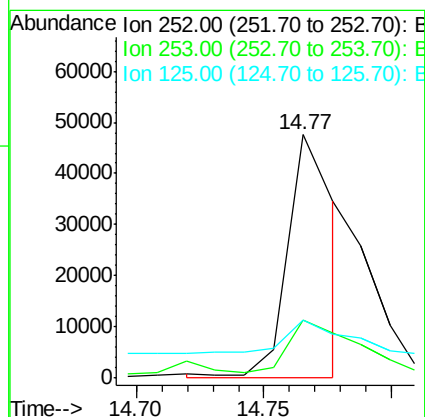
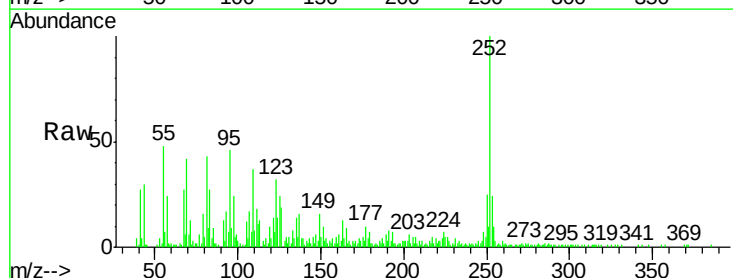
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.6	16.9	25.3

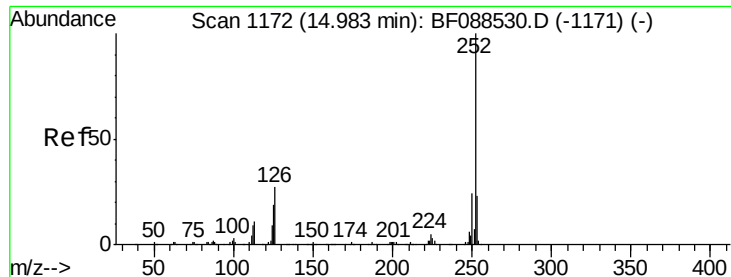


#87
Benzo(b)fluoranthene
Concen: 9.59 ng m
RT: 14.77 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF089087.D
Acq: 18 Jul 2016 17:39

Tgt Ion:252 Resp: 61029

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.2
125	23.8	7.1	10.7#

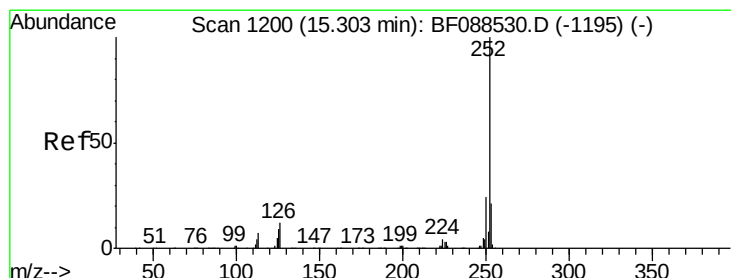
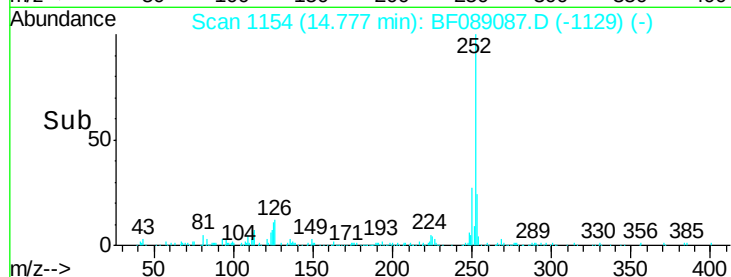
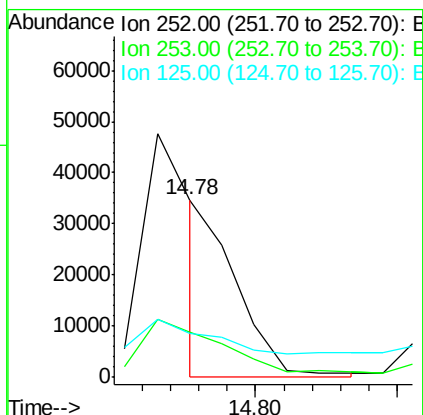
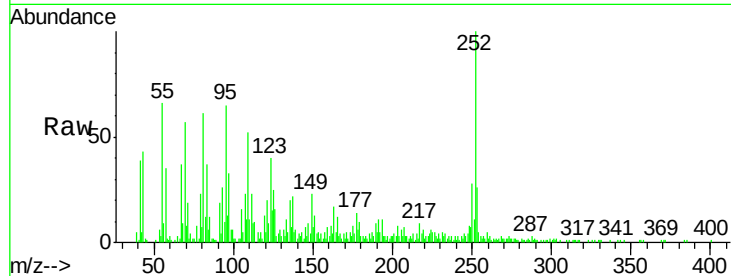




#88
Benzo(k)fluoranthene
Concen: 4.81 ng m
RT: 14.78 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF089087.D
Acq: 18 Jul 2016 17:39

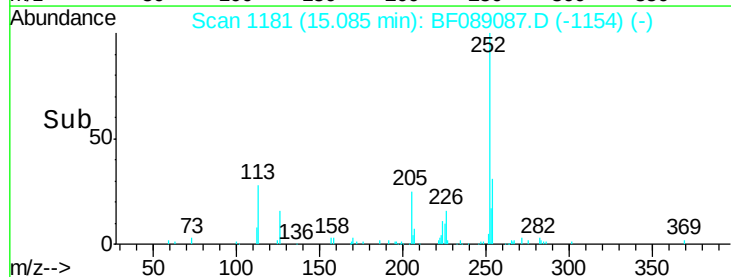
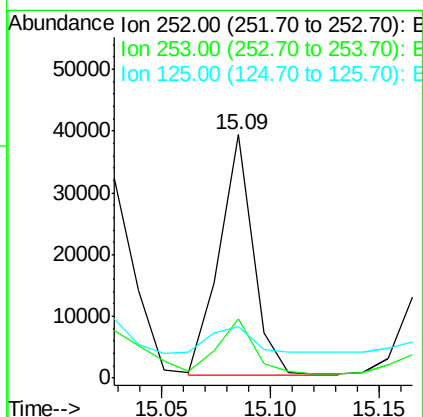
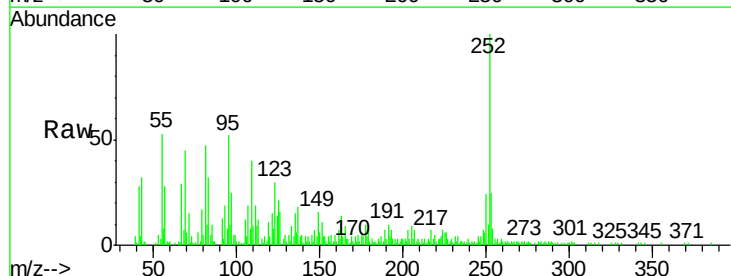
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB01(0-2in)

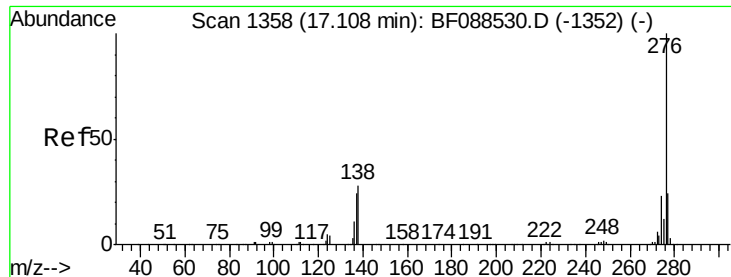
Tot Ion:252 Resp: 26658
Ion Ratio Lower Upper
252 100
253 25.6 18.0 27.0
125 24.9 11.2 16.8#



#89
Benzo(a)pyrene
Concen: 7.84 ng
RT: 15.09 min Scan# 1181
Delta R.T. 0.01 min
Lab File: BF089087.D
Acq: 18 Jul 2016 17:39

Tgt Ion:252 Resp: 42250
Ion Ratio Lower Upper
252 100
253 24.6 17.9 26.9
125 21.0 12.5 18.7#





#91

Benzo(a,h,i)perylene

Concen: 8.95 ng

RT: 16.77 min Scan# 1328

Delta R.T. 0.01 min

Lab File: BF089087.D

Acq: 18 Jul 2016 17:39

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB01(0-2in)

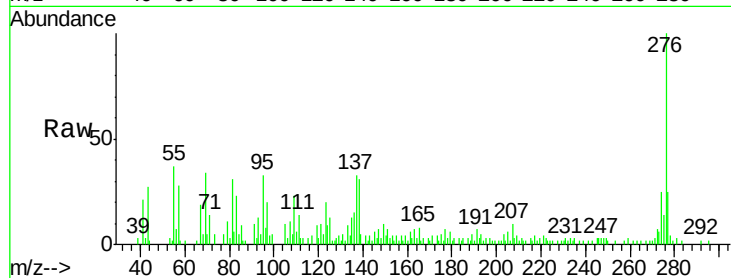
Tot Ion: 276 Resp: 41669

Ion Ratio Lower Upper

276 100

277 25.4 18.9 28.3

138 30.8 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

