

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 03:55:10 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	53327	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	208901	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	75022	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	116356	20.00	ng	0.00
75) Chrysene-d12	13.77	240	99183	20.00	ng	0.00
86) Perylene-d12	15.13	264	83684	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	179618	50.48	ng	0.01
7) Phenol-d6	6.30	99	256658	55.82	ng	0.00
23) Nitrobenzene-d5	7.21	82	146790	36.82	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	28340	40.68	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	256466	54.00	ng	0.00
78) Terphenyl-d14	12.73	244	130489	29.30	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.40	163	64931	12.15	ng	99
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	13.81	228	75940m	12.02	ng	
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	106697m	20.32	ng	
88) Benzo(k)fluoranthene	14.78	252	41816m	9.15	ng	
89) Benzo(a)pyrene	15.09	252	74852m	16.84	ng	
90) Dibenzo(a,h)anthracene	16.39	278	13815	3.72	ng	# 71
91) Benzo(a,h,i)perylene	16.77	276	42838	11.15	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 442

Delta R.T. 0.00 min

Lab File: BF089090.D

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Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

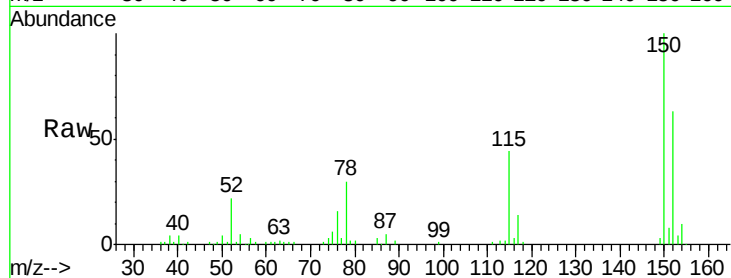
Tot Ion:152 Resp: 53327

Ion Ratio Lower Upper

152 100

150 158.8 123.8 185.6

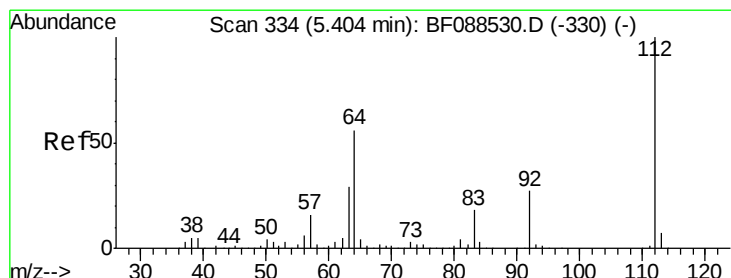
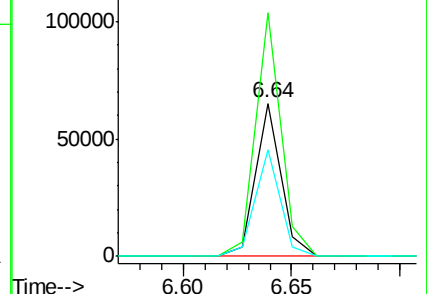
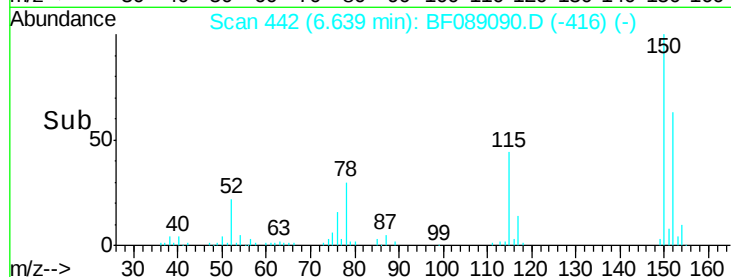
115 69.3 39.6 59.4#



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. 0.01 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

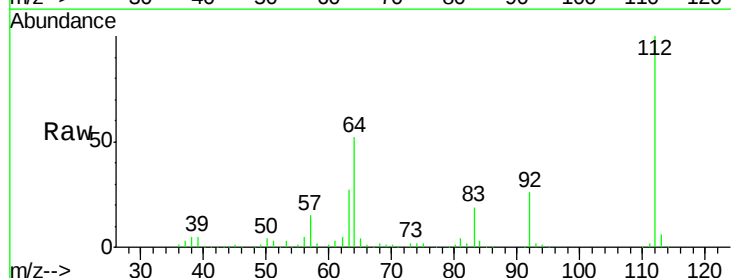
Tgt Ion:112 Resp: 179618

Ion Ratio Lower Upper

112 100

64 51.6 42.2 63.2

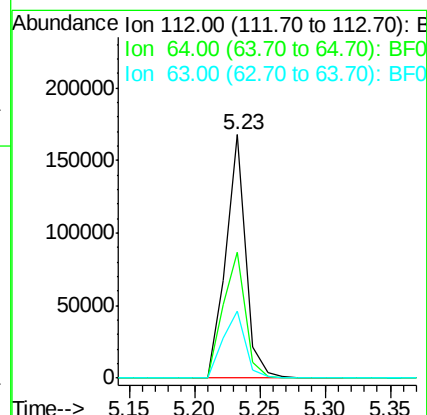
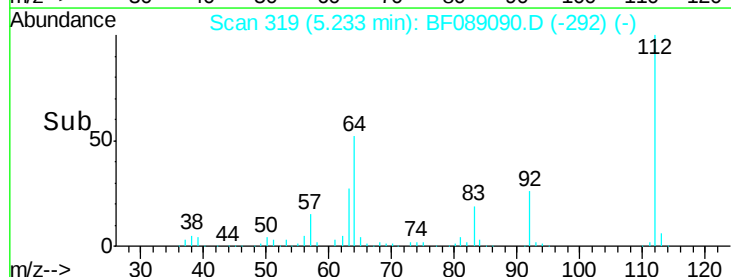
63 27.3 21.8 32.8

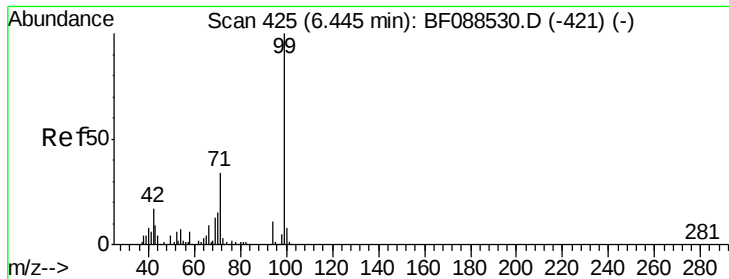


Abundance Ion 112.00 (111.70 to 112.70): E

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. 0.00 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

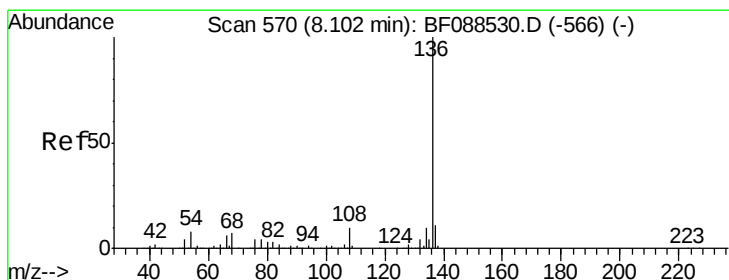
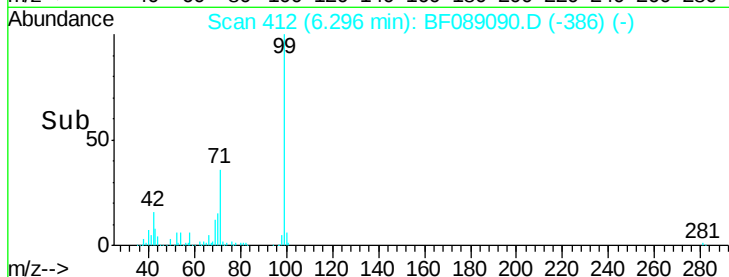
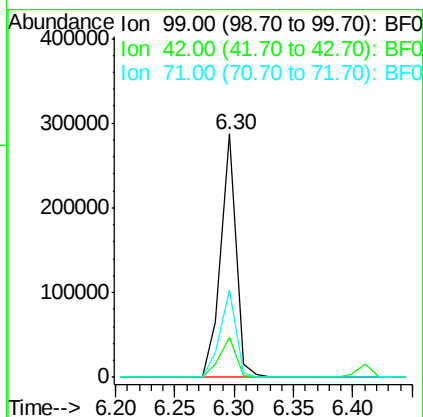
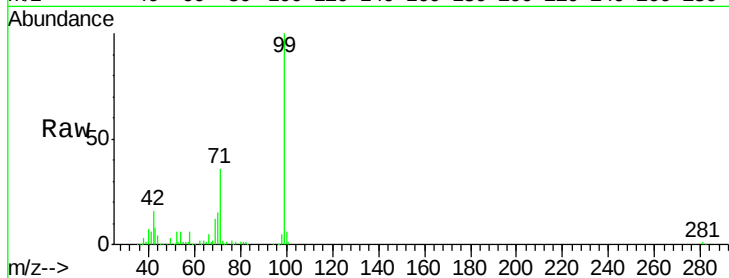
Tot Ion: 99 Resp: 256658

Ion Ratio Lower Upper

99 100

42 16.3 12.2 18.2

71 36.1 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 555

Delta R.T. 0.00 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

Tgt Ion: 136 Resp: 208901

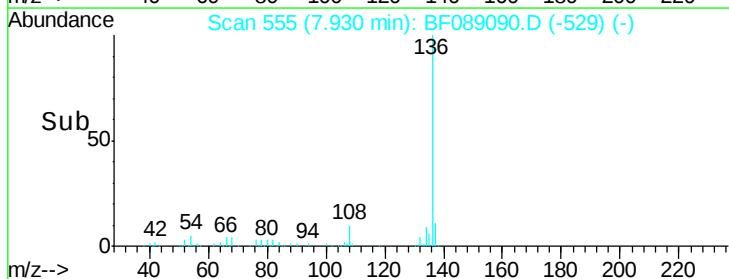
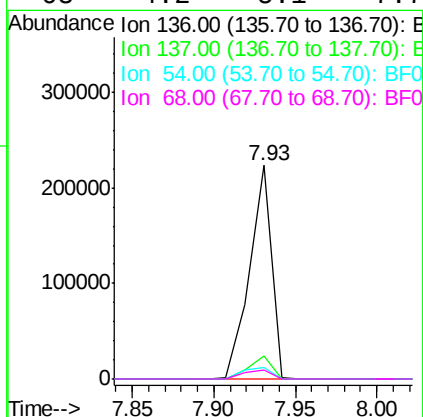
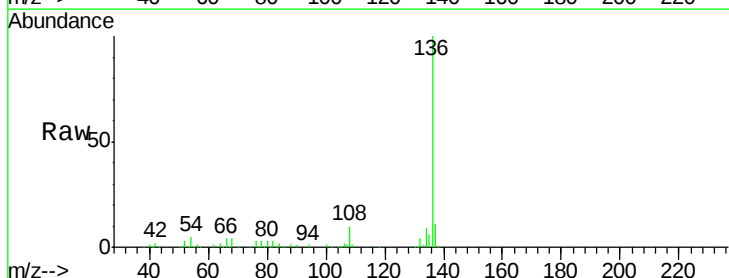
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.3 6.6 10.0#

68 4.2 5.1 7.7#

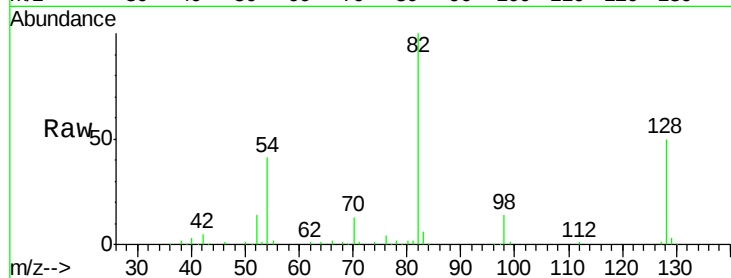




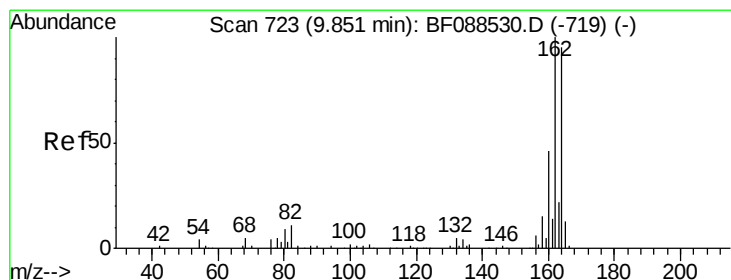
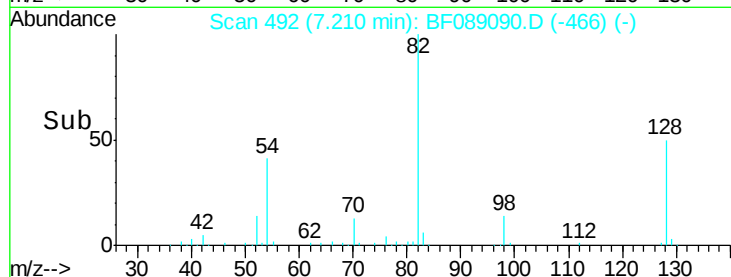
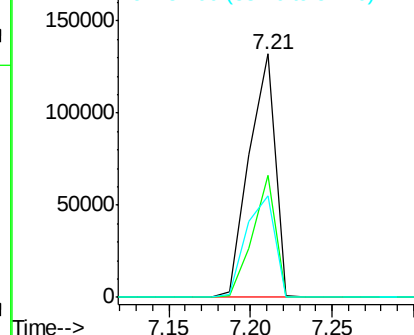
#23
 Nitrobenzene-d5
 Concen: 36.82 ng
 RT: 7.21 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: BF089090.D
 Acq: 18 Jul 2016 19:10

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

Tot Ion: 82 Resp: 146790
 Ion Ratio Lower Upper
 82 100
 128 50.3 35.9 53.9
 54 41.5 40.9 61.3

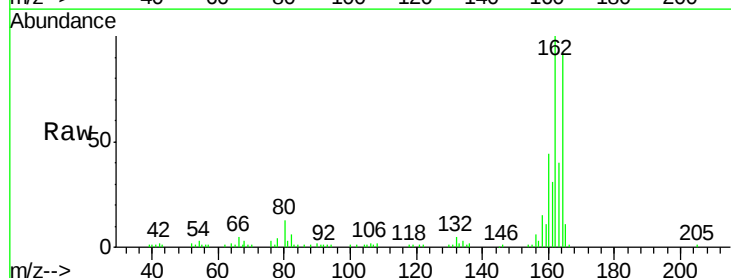


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

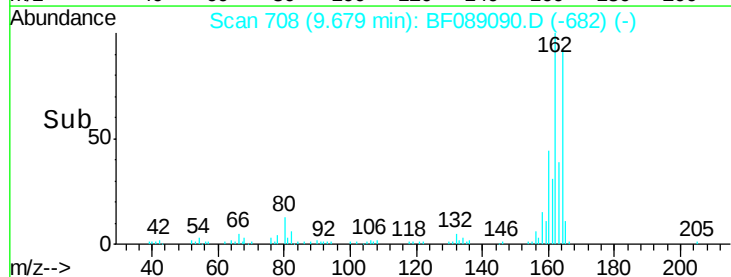
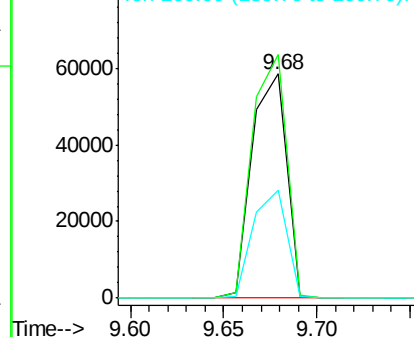


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: BF089090.D
 Acq: 18 Jul 2016 19:10

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

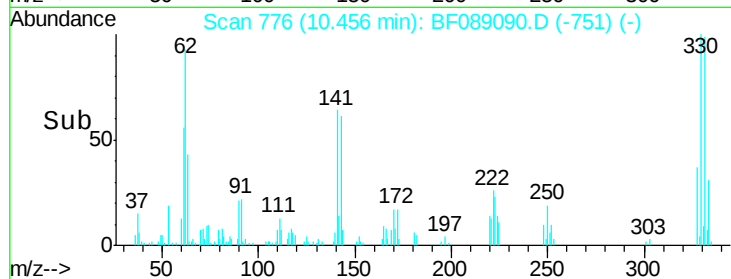
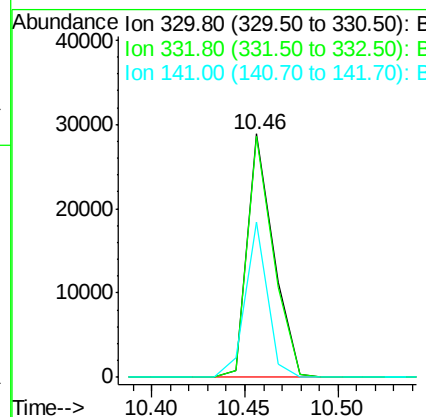
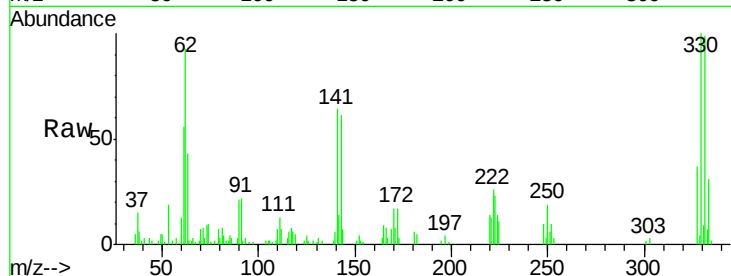




#41
 2,4,6-Tribromophenol
 Concen: 40.68 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: BF089090.D
 Acq: 18 Jul 2016 19:10

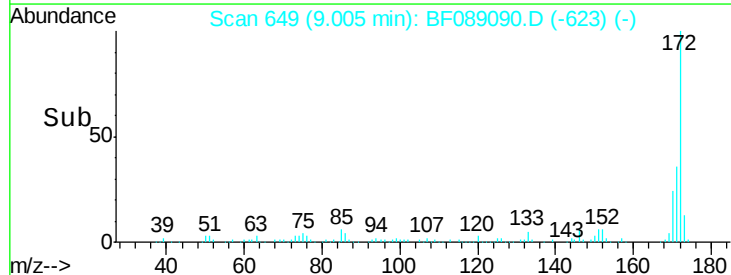
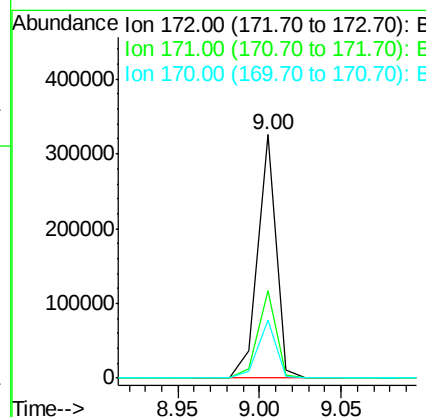
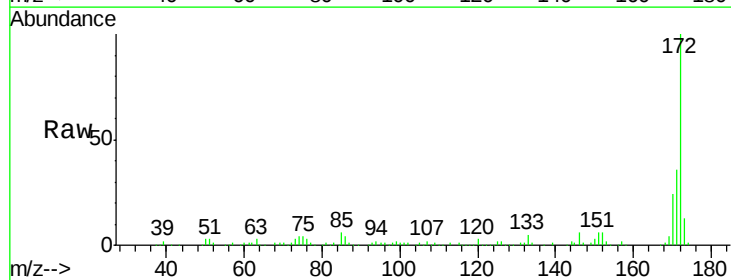
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB04(0-2in)

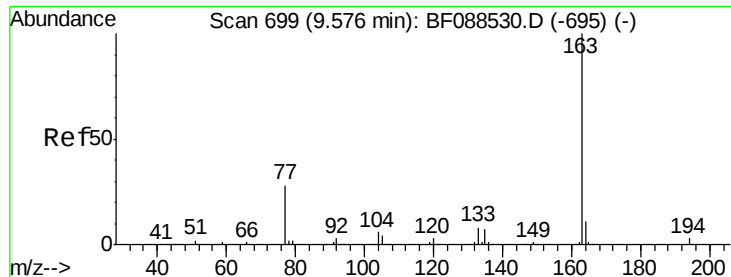
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	0.0	0.0#
141	54.0	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 54.00 ng
 RT: 9.00 min Scan# 649
 Delta R.T. 0.00 min
 Lab File: BF089090.D
 Acq: 18 Jul 2016 19:10

Tgt 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. -0.01 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

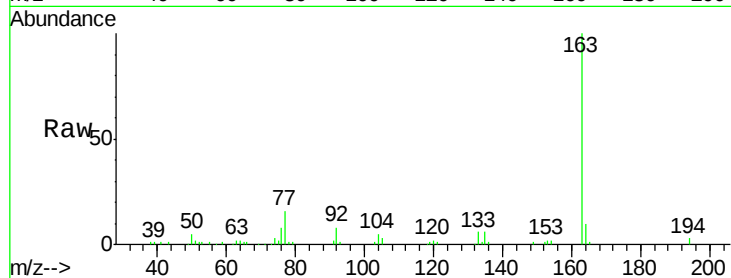
Tot Ion:163 Resp: 64931

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

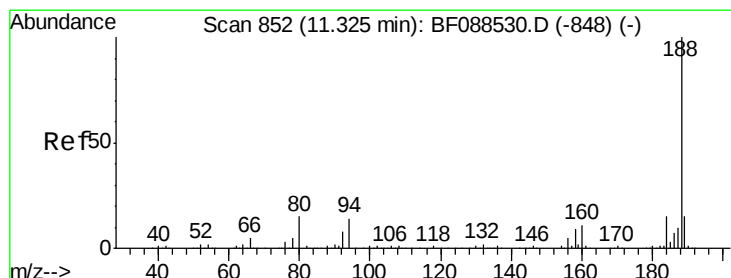
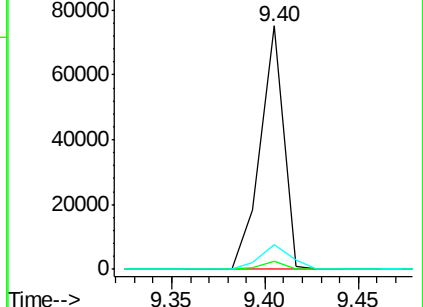
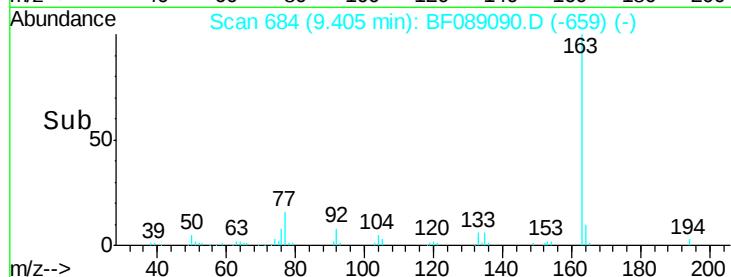
164 10.2 8.3 12.5



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: 11.15 min Scan# 837

Delta R.T. 0.00 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

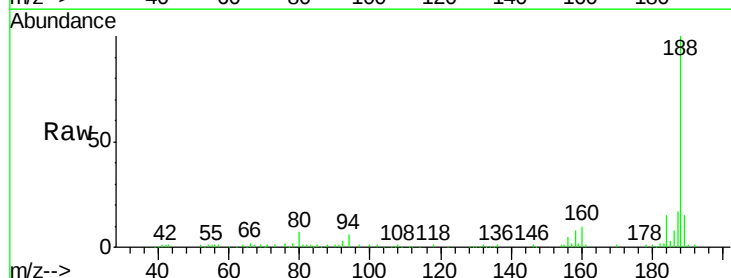
Tgt Ion:188 Resp: 116356

Ion Ratio Lower Upper

188 100

94 6.0 9.0 13.6#

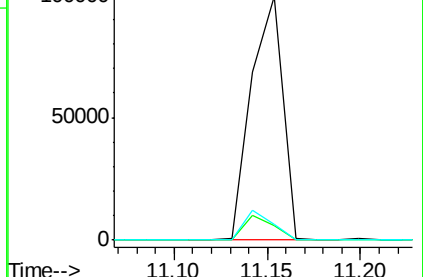
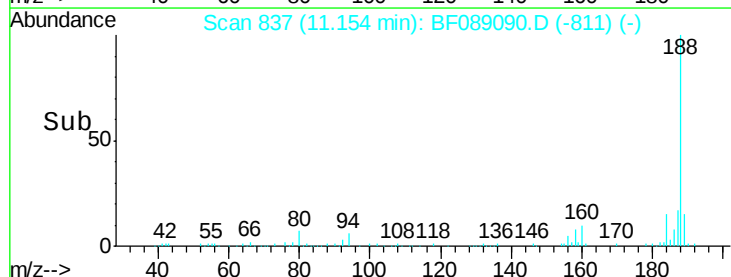
80 6.5 10.0 15.0#

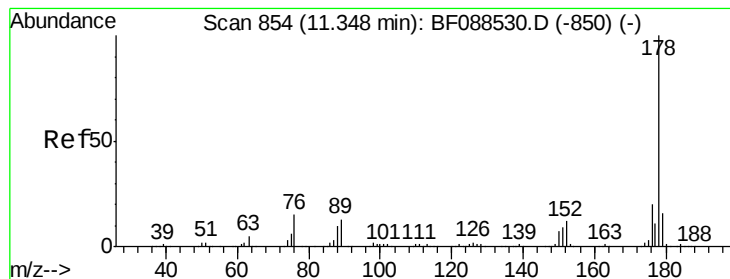


Abundance Ion 188.00 (187.70 to 188.70): E

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. 0.00 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

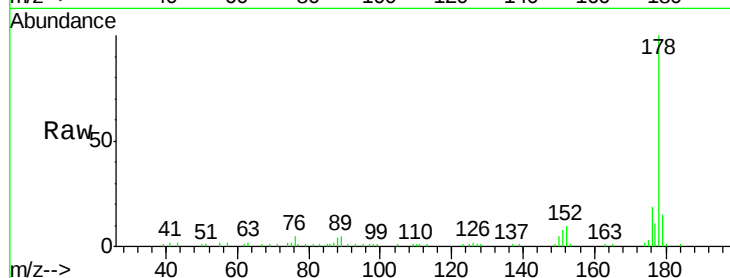
Tot Ion:178 Resp: 68950

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.6

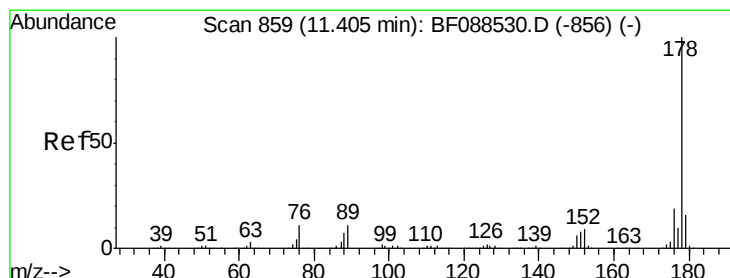
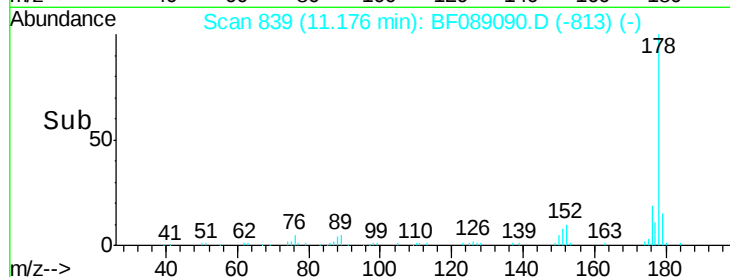
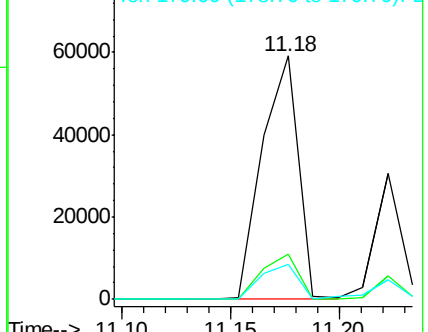
179 14.5 13.0 19.4



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. 0.00 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

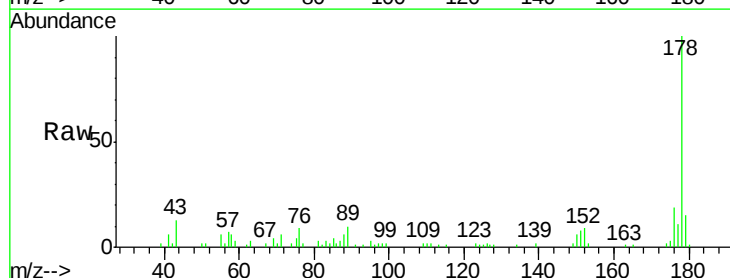
Tgt Ion:178 Resp: 26653

Ion Ratio Lower Upper

178 100

176 19.0 15.6 23.4

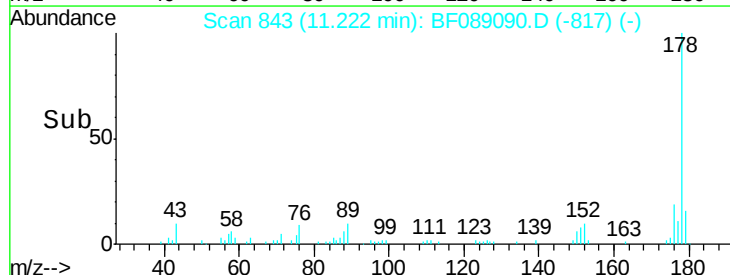
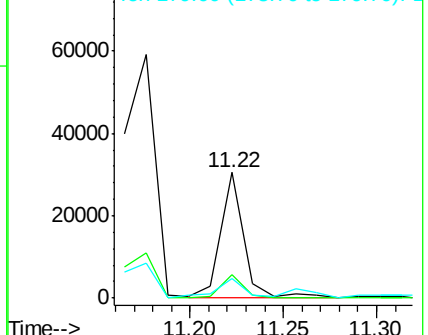
179 15.4 12.8 19.2

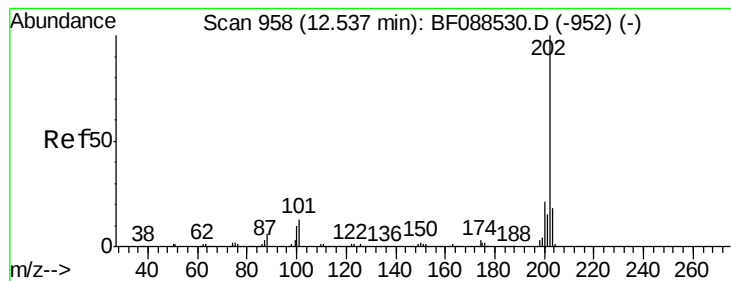


Abundance Ion 178.00 (177.70 to 178.70): E

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. 0.00 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

Instrument :

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ClientSampleId :

LSS-SB-SB04(0-2in)

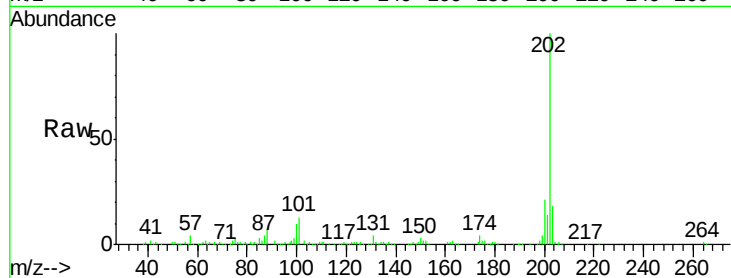
Tot Ion:202 Resp: 160209

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.1

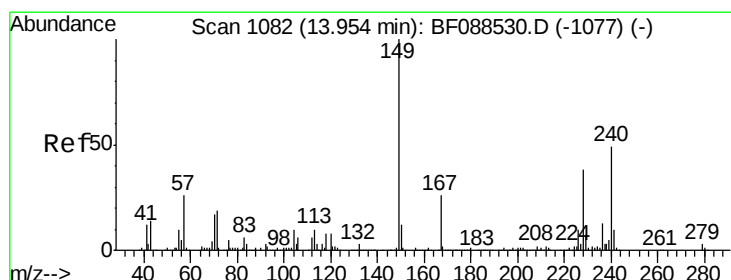
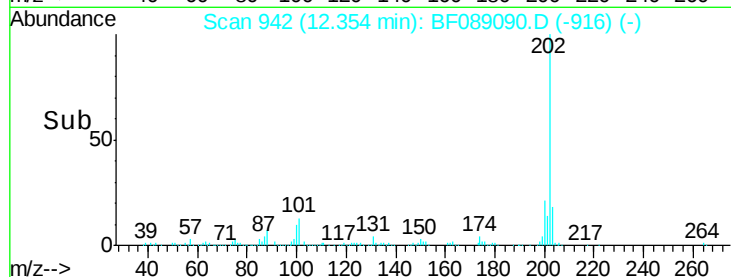
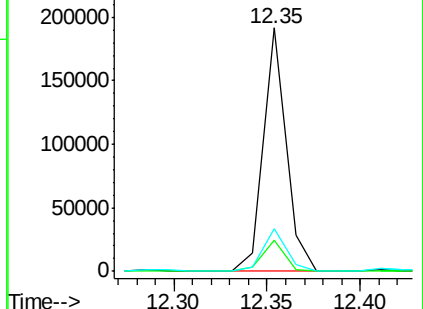
203 17.8 0.0 38.1



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. 0.00 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

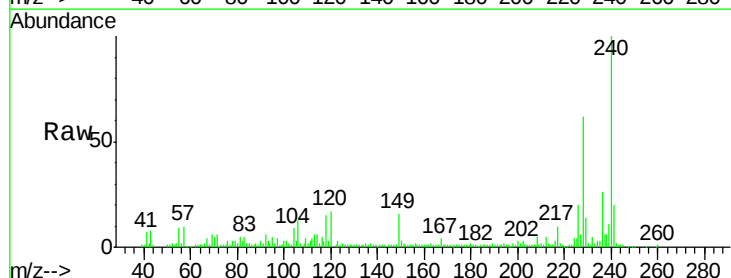
Tgt Ion:240 Resp: 99183

Ion Ratio Lower Upper

240 100

120 16.6 6.8 10.2#

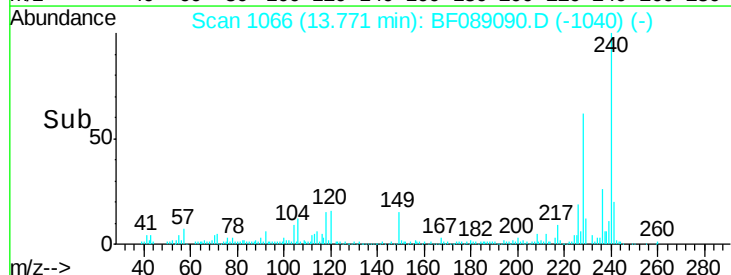
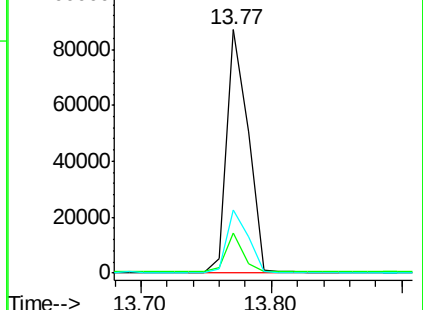
236 26.0 20.2 30.2

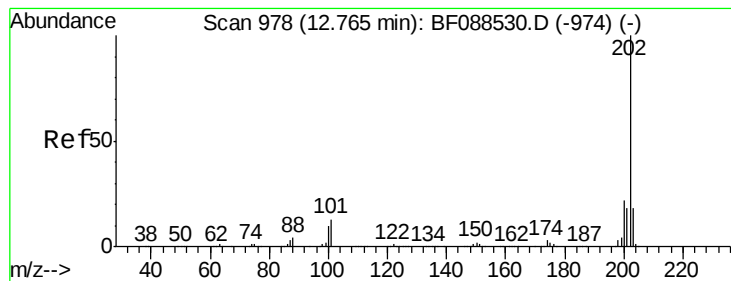


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 20.38 ng

RT: 12.58 min Scan# 962

Delta R.T. 0.00 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

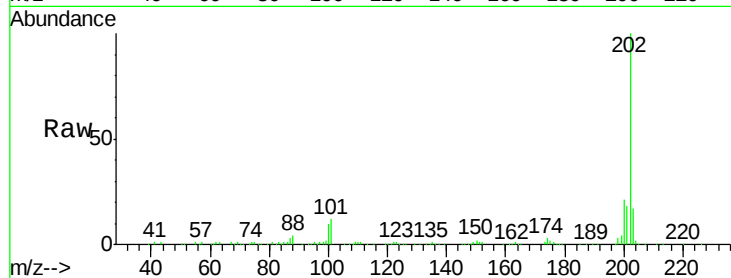
Tot Ion:202 Resp: 171409

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

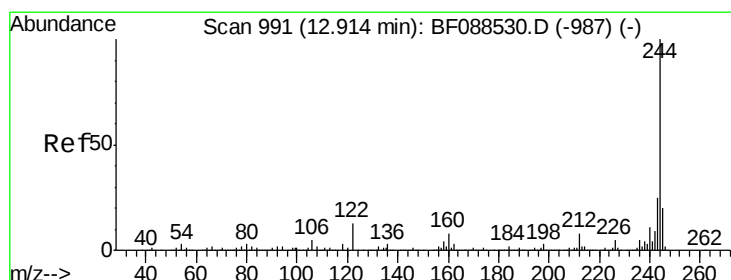
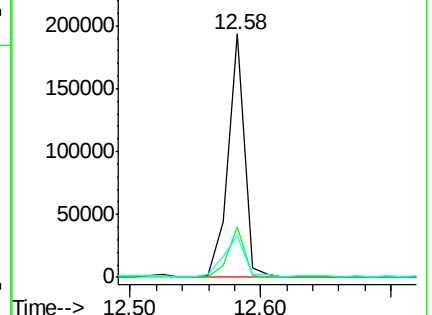
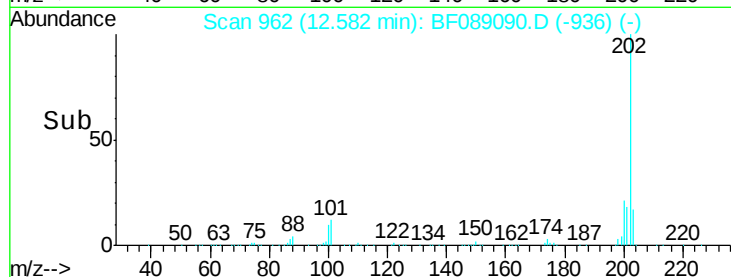
203 17.0 14.5 21.7



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. 0.00 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

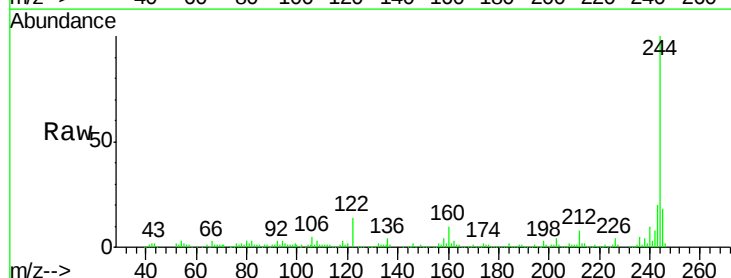
Tgt Ion:244 Resp: 130489

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

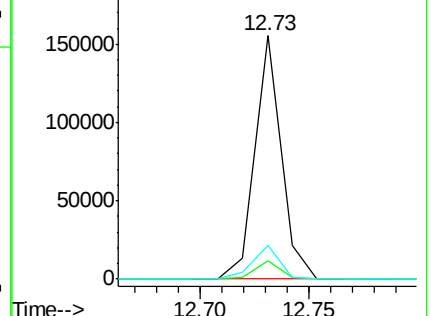
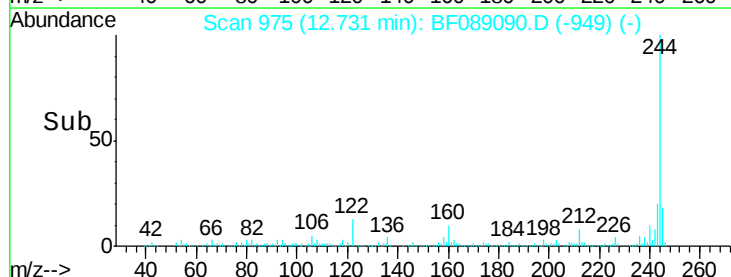
122 13.7 11.2 16.8

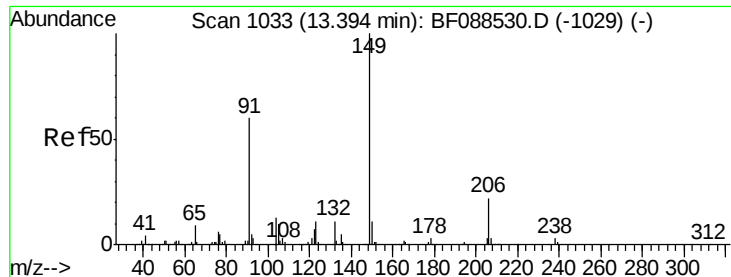


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

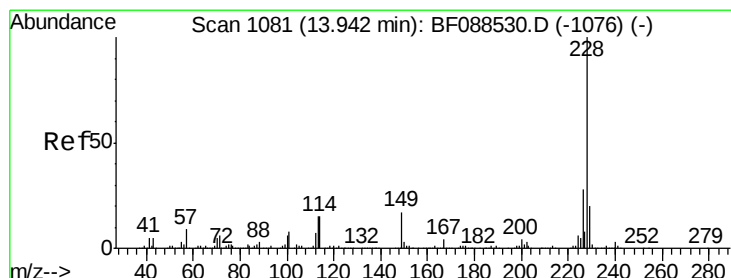
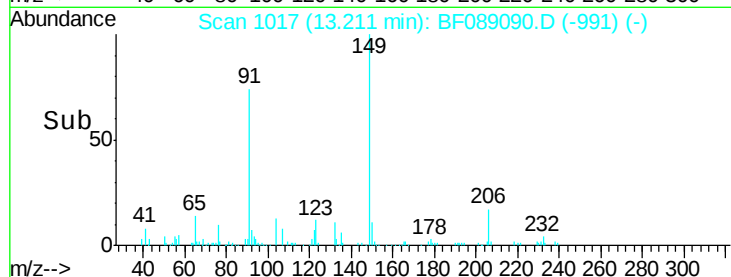
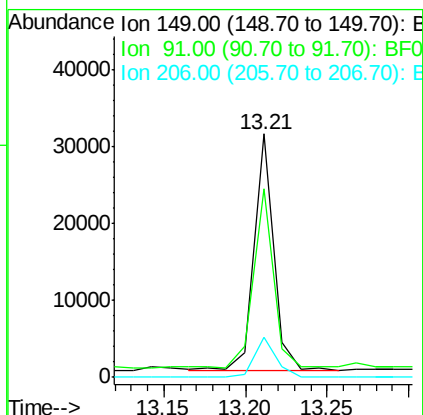
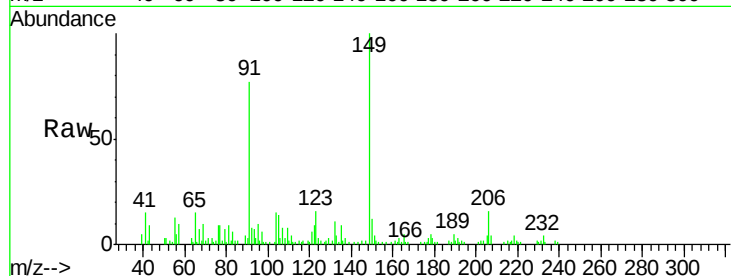




#79
Butylbenzylphthalate
Concen: 6.82 ng
RT: 13.21 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF089090.D
Acq: 18 Jul 2016 19:10

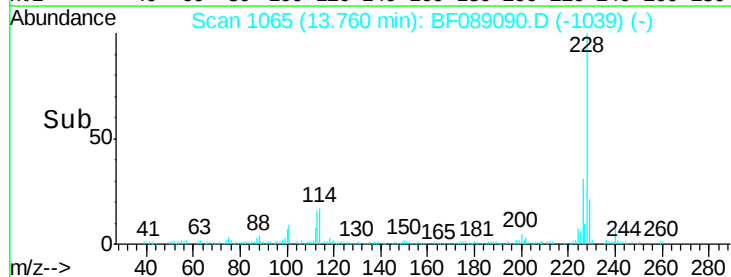
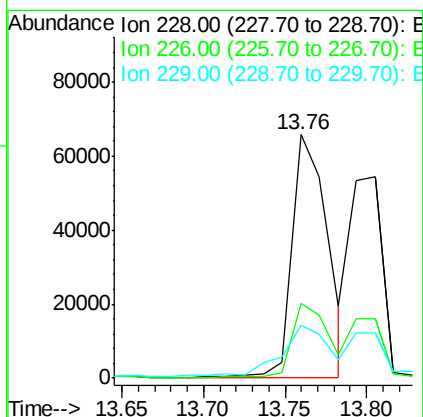
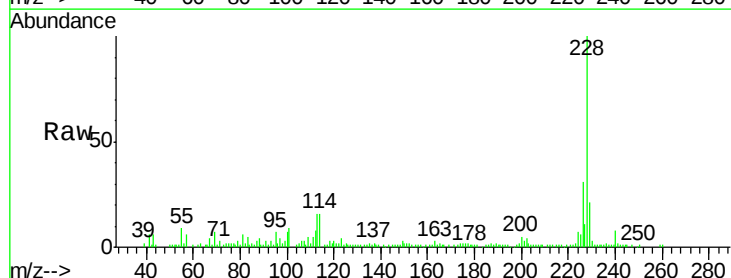
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB04(0-2in)

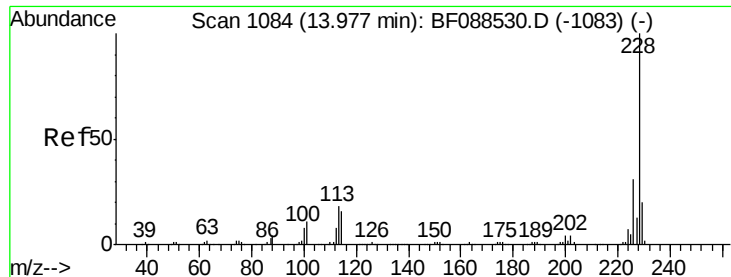
Tot Ion:149 Resp: 25572
Ion Ratio Lower Upper
149 100
91 77.3 48.0 72.0#
206 16.4 16.0 24.0



#80
Benzo(a)anthracene
Concen: 15.73 ng
RT: 13.76 min Scan# 1065
Delta R.T. 0.00 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





#82

Chrvsene

Concen: 12.02 ng/mL

RT: 13.81 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

Instrument :

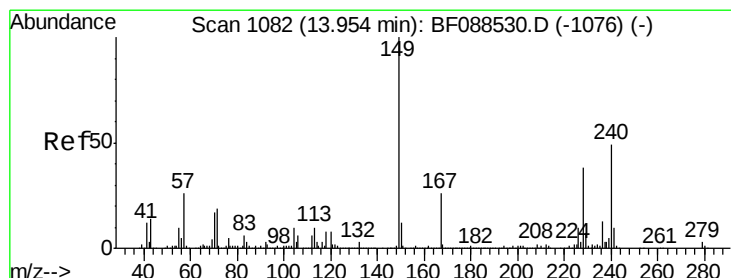
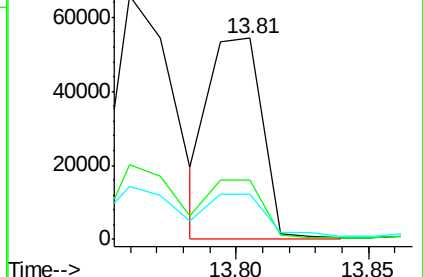
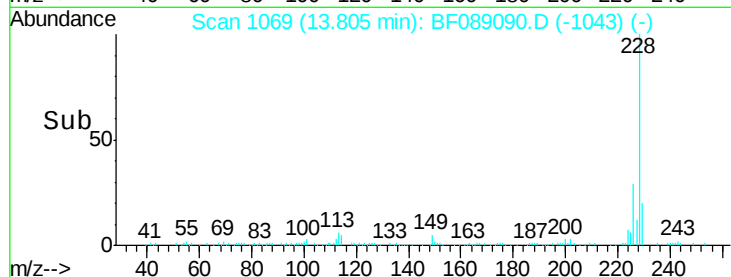
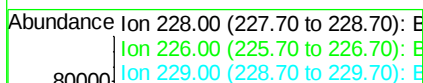
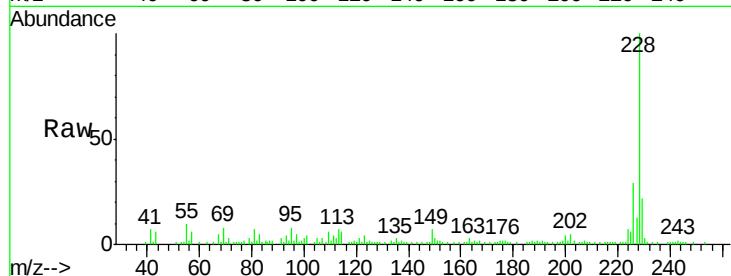
BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

Tot Ion:228 Resp: 75940

Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.4	38.2
229	22.4	16.3	24.5



#83

Bis(2-ethylhexyl)phthalate

Concen: 6.62 ng/mL

RT: 13.78 min Scan# 1067

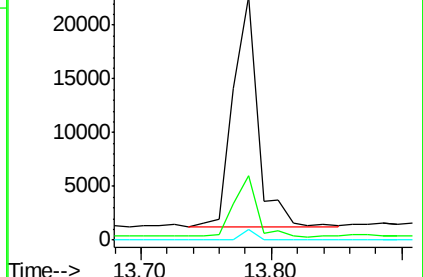
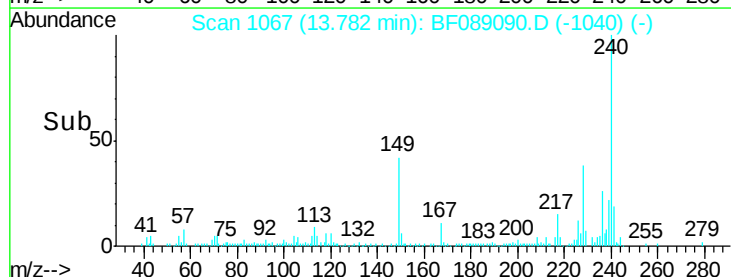
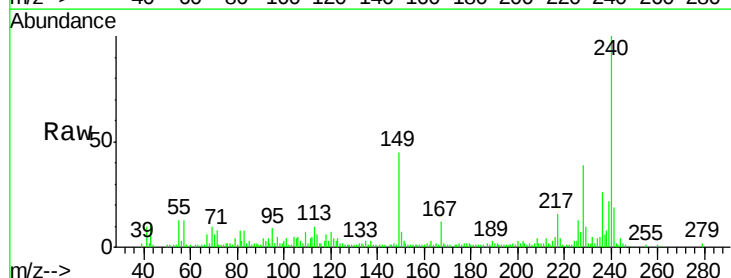
Delta R.T. 0.01 min

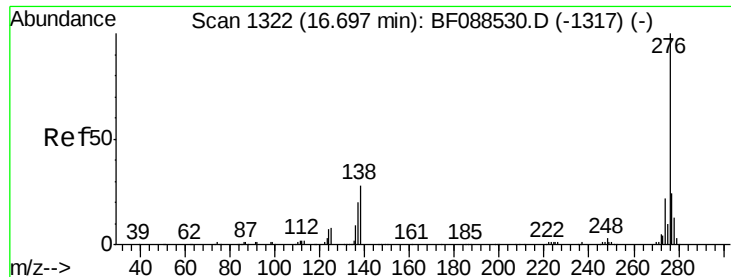
Lab File: BF089090.D

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

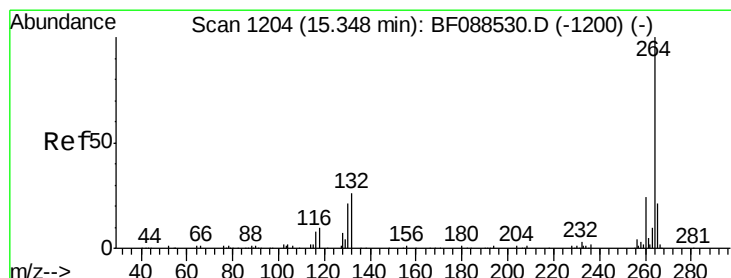
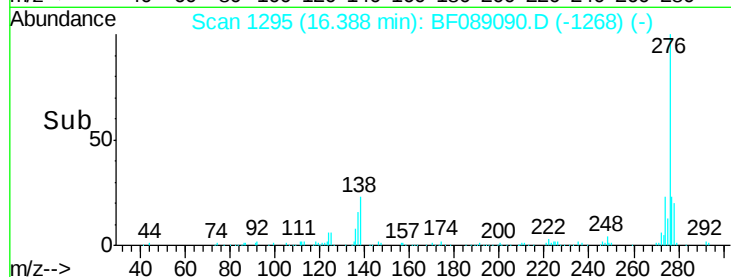
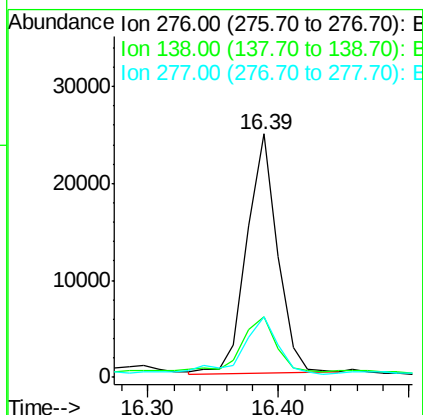
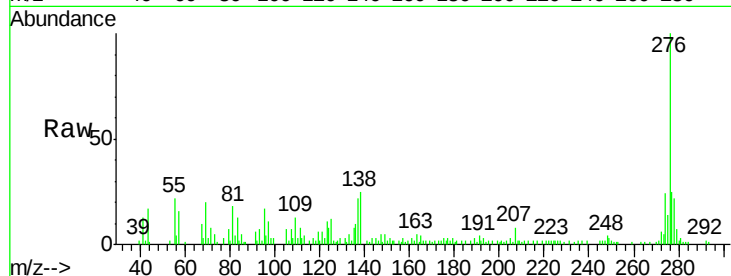




#85
Indeno(1,2,3-cd)pyrene
Concen: 8.27 ng
RT: 16.39 min Scan# 1295
Delta R.T. 0.01 min
Lab File: BF089090.D
Acq: 18 Jul 2016 19:10

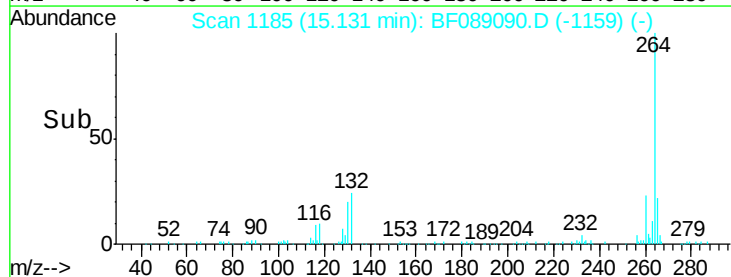
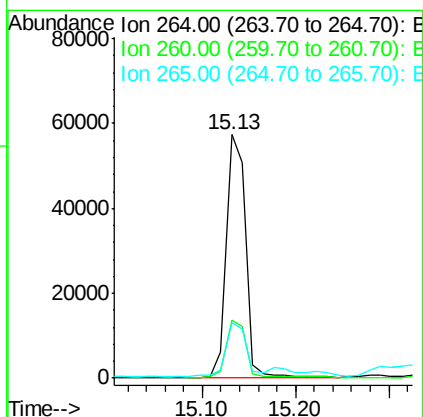
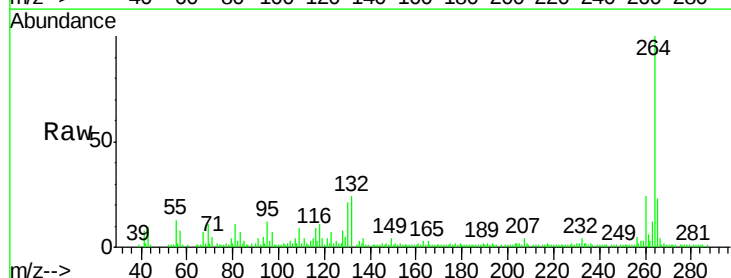
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB04(0-2in)

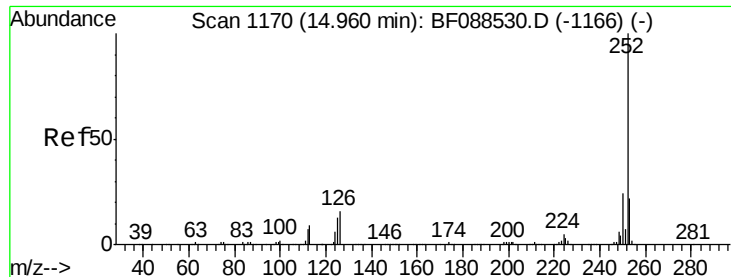
Tot Ion:276 Resp: 40199
Ion Ratio Lower Upper
276 100
138 27.1 0.0 0.0#
277 28.8 0.0 0.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. 0.00 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: 20.32 ng m

RT: 14.77 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

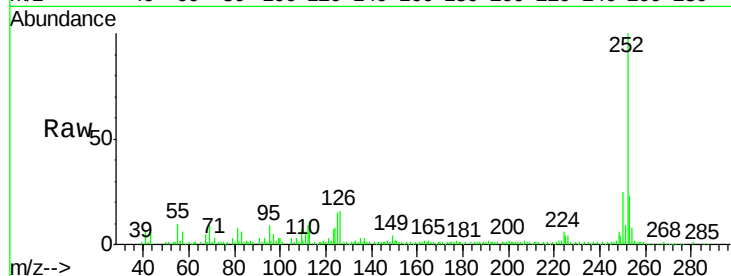
Tot Ion:252 Resp: 106697

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

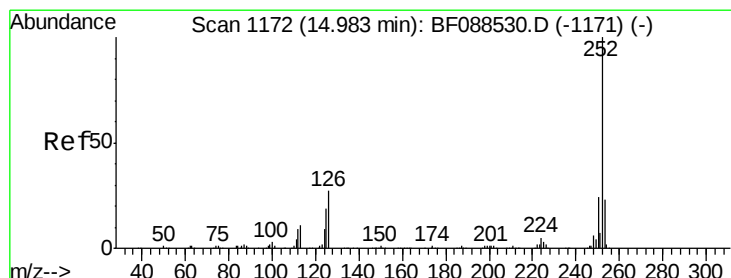
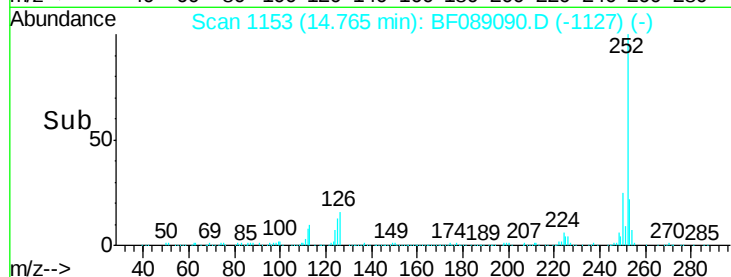
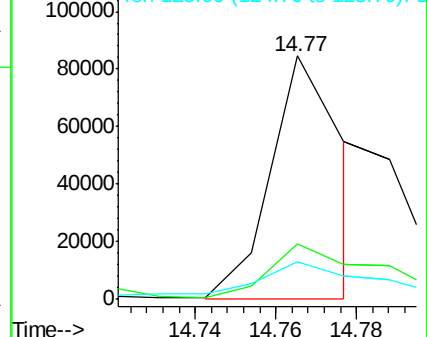
125 15.3 7.1 10.7#



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



#88

Benzo(k)fluoranthene

Concen: 9.15 ng m

RT: 14.78 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

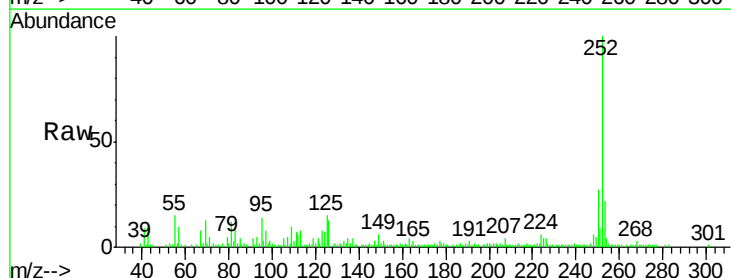
Tgt Ion:252 Resp: 41816

Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

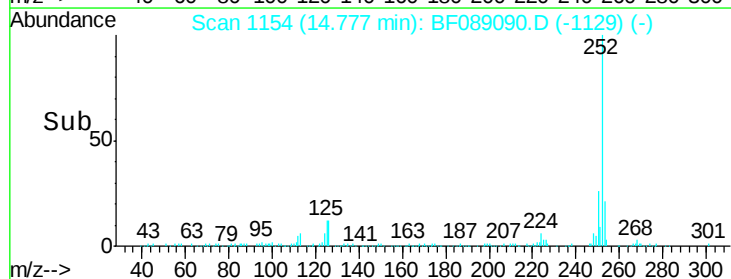
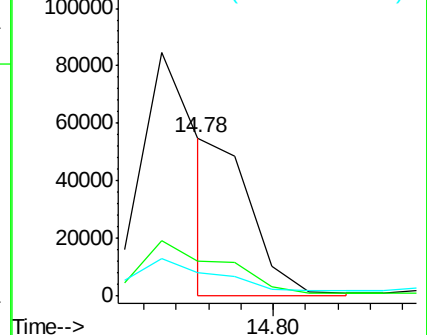
125 14.8 11.2 16.8

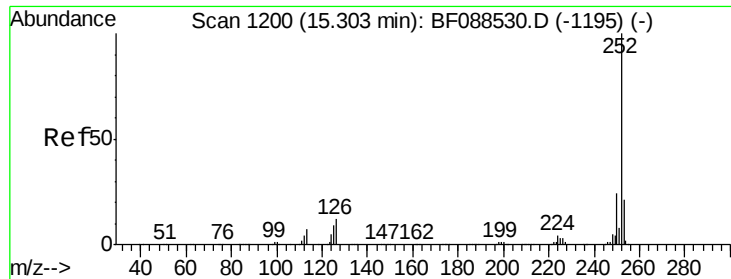


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 16.84 ng/mL

RT: 15.09 min Scan# 1181

Delta R.T. 0.01 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

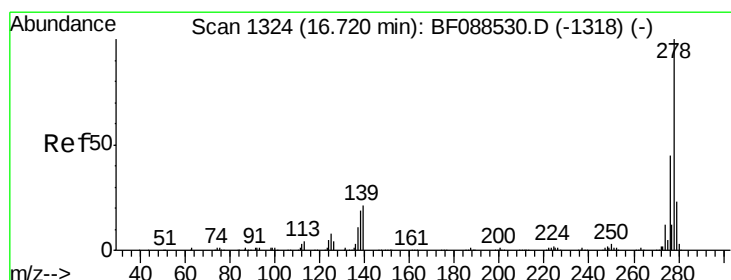
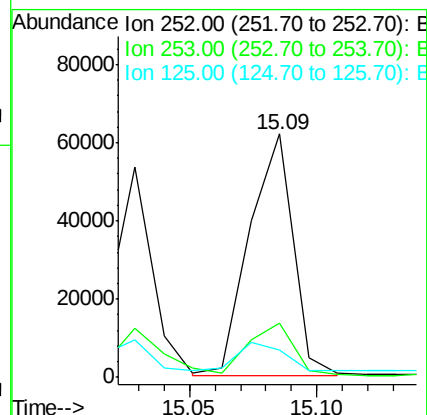
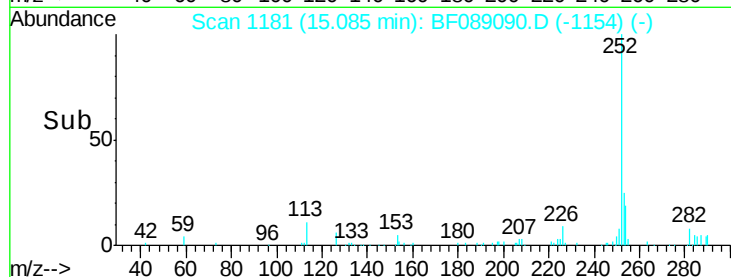
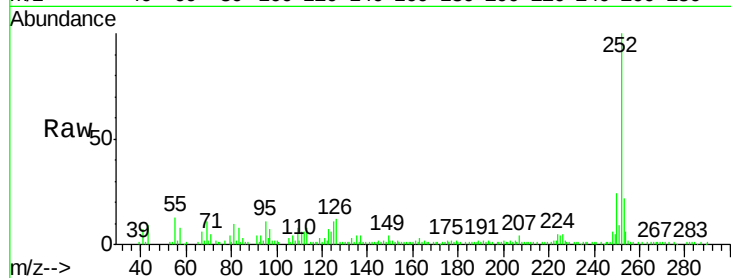
Tot Ion:252 Resp: 74852

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

125 11.1 12.5 18.7#



#90

Dibenzo(a,h)anthracene

Concen: 3.72 ng/mL

RT: 16.39 min Scan# 1295

Delta R.T. 0.00 min

Lab File: BF089090.D

Acq: 18 Jul 2016 19:10

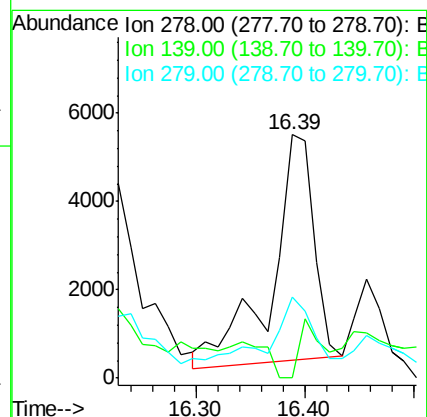
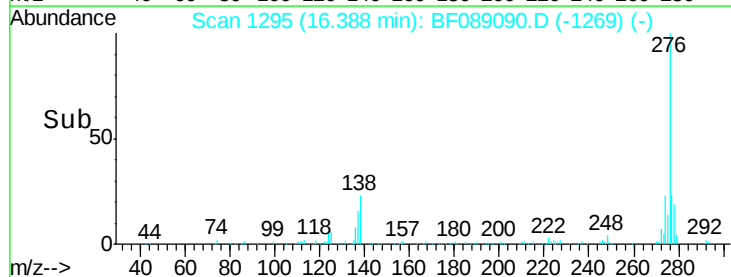
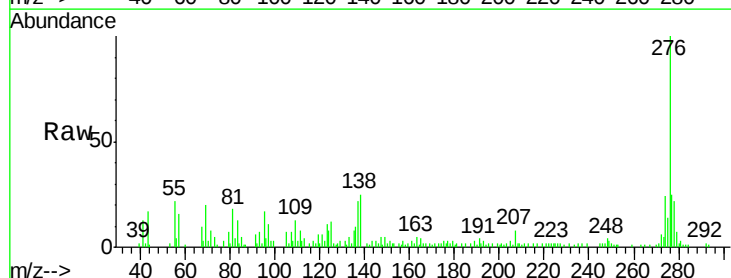
Tgt Ion:278 Resp: 13815

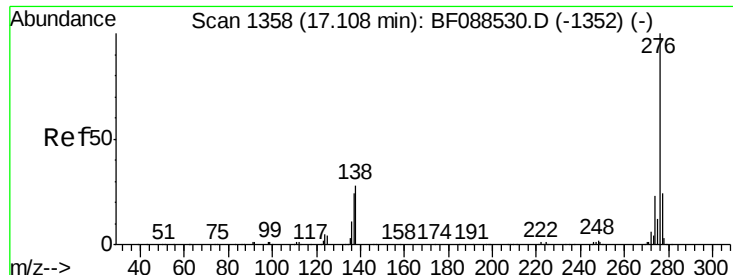
Ion Ratio Lower Upper

278 100

139 0.0 15.7 23.5#

279 33.2 19.4 29.2#





#91
 Benzo(a,h,i)perylene
 Concen: 11.15 ng
 RT: 16.77 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: BF089090.D
 Acq: 18 Jul 2016 19:10

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.9	28.3
138	25.8	21.4	32.2

