

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071816\
 Data File : BF089089.D
 Acq On : 18 Jul 2016 18:40
 Operator : UM/SJ
 Sample : H3951-07 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB03(0-2in)

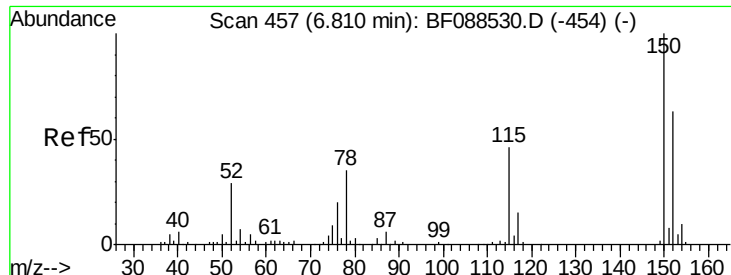
Quant Time: Jul 19 03:51:51 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 19 03:29:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	53035	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	204567	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	79882	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	119128	20.00	ng	-0.01
75) Chrysene-d12	13.78	240	105329	20.00	ng	0.01
86) Perylene-d12	15.14	264	85491	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	205948	58.20	ng	0.01
7) Phenol-d6	6.30	99	289198	63.25	ng	0.00
23) Nitrobenzene-d5	7.21	82	172057	44.08	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	34127	46.01	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	291071	57.56	ng	0.00
78) Terphenyl-d14	12.73	244	152628	32.28	ng	0.00

Target Compounds						Qvalue
49) Dimethylphthalate	9.40	163	77102	13.55	ng	98
70) Phenanthrene	11.16	178	30841	4.74	ng	98
71) Anthracene	11.22	178	17133	2.65	ng	99
73) Di-n-butylphthalate	11.72	149	27537	3.88	ng	99
74) Fluoranthene	12.35	202	78355	11.87	ng	99
77) Pyrene	12.58	202	78690	8.81	ng	99
79) Butylbenzylphthalate	13.21	149	58495	14.68	ng	# 65
80) Benzo(a)anthracene	13.77	228	43565	6.42	ng	91
82) Chrysene	13.81	228	41955m	6.25	ng	
83) Bis(2-ethylhexyl)phthalate	13.78	149	81699	17.96	ng	98
85) Indeno(1,2,3-cd)pyrene	16.40	276	30811	5.97	ng	# 100
87) Benzo(b)fluoranthene	14.78	252	64472m	12.02	ng	
88) Benzo(k)fluoranthene	14.80	252	19385m	4.15	ng	
89) Benzo(a)pyrene	15.10	252	37343	8.22	ng	# 82
90) Dibenzo(a,h)anthracene	16.41	278	7642	2.02	ng	# 70
91) Benzo(g,h,i)perylene	16.78	276	32225	8.21	ng	93

(#) = 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: BF089089.D

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Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB03(0-2in)

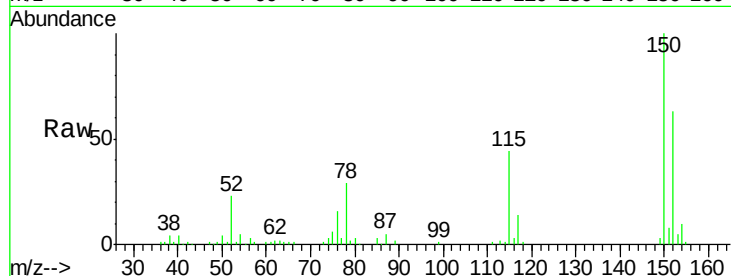
Tot Ion:152 Resp: 53035

Ion Ratio Lower Upper

152 100

150 158.9 123.8 185.6

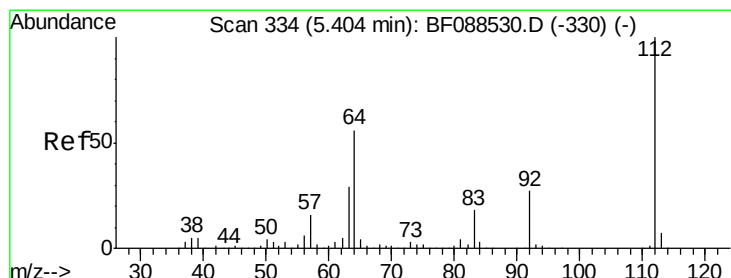
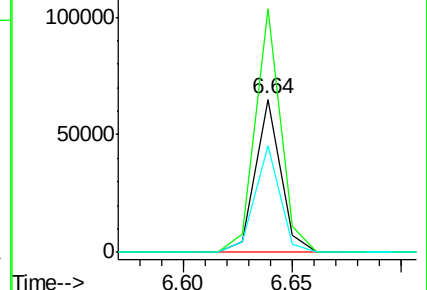
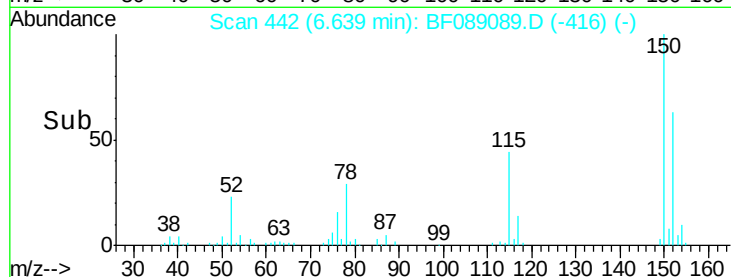
115 69.5 39.6 59.4#



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: BF089089.D

Acq: 18 Jul 2016 18:40

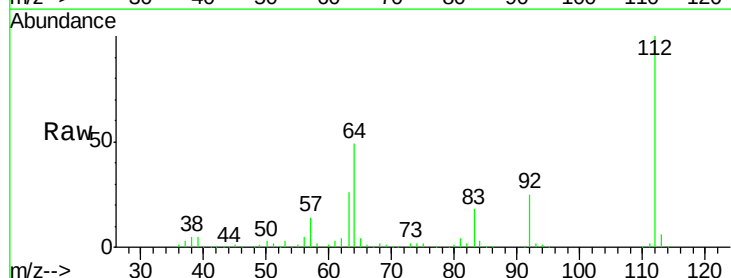
Tgt Ion:112 Resp: 205948

Ion Ratio Lower Upper

112 100

64 49.1 42.2 63.2

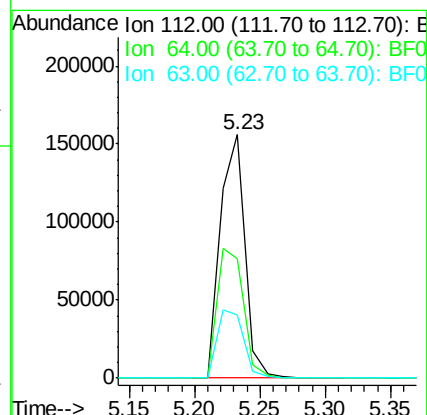
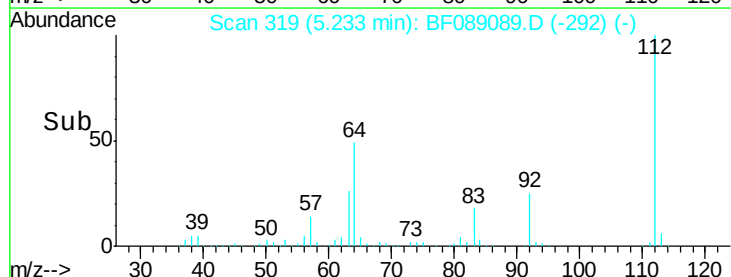
63 26.1 21.8 32.8

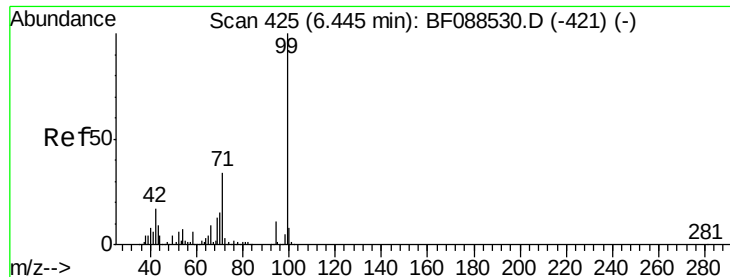


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 63.25 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.00 min

Lab File: BF089089.D

Acq: 18 Jul 2016 18:40

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB03(0-2in)

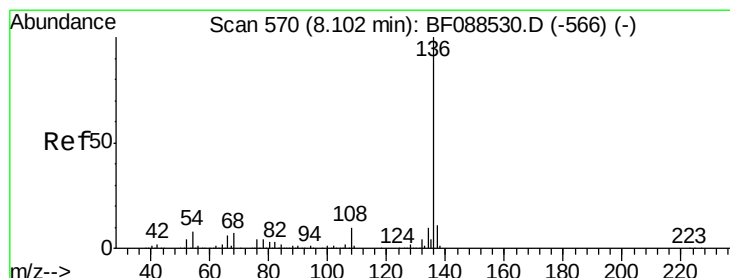
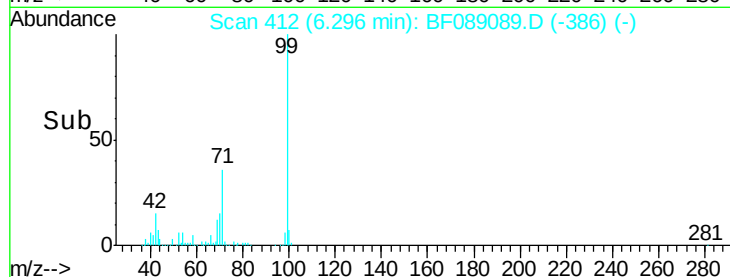
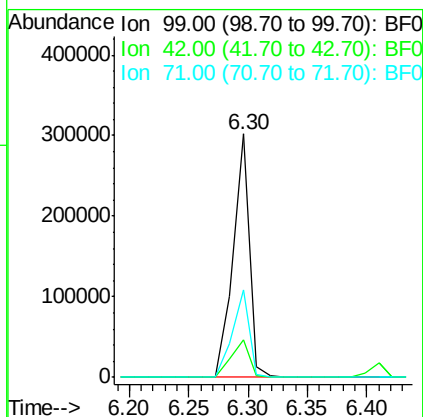
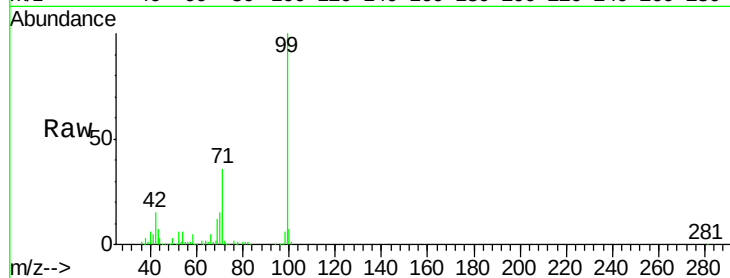
Tot Ion: 99 Resp: 289198

Ion Ratio Lower Upper

99 100

42 15.5 12.2 18.2

71 35.7 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: BF089089.D

Acq: 18 Jul 2016 18:40

Tgt Ion: 136 Resp: 204567

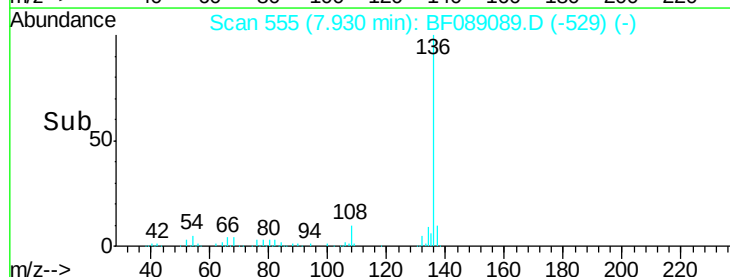
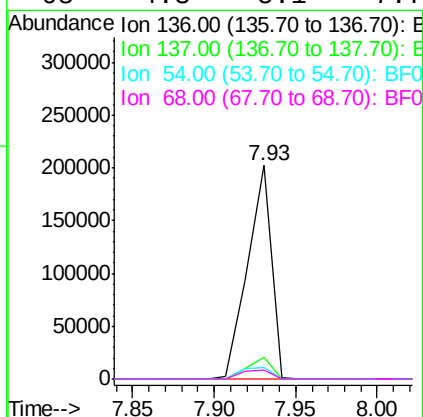
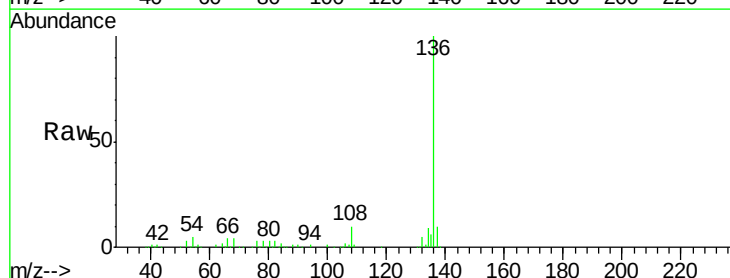
Ion Ratio Lower Upper

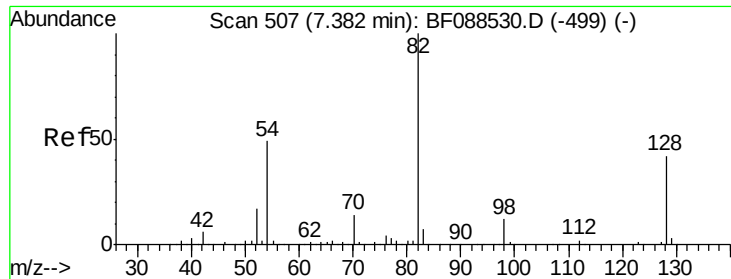
136 100

137 10.2 9.1 13.7

54 5.2 6.6 10.0#

68 4.3 5.1 7.7#

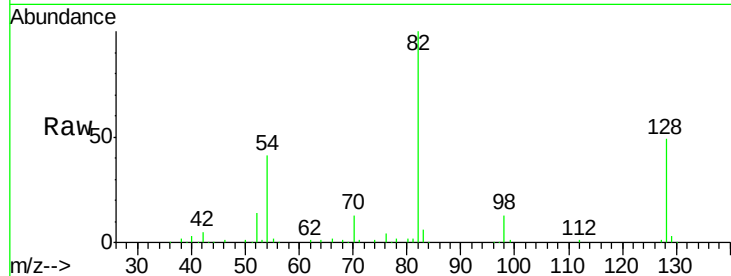




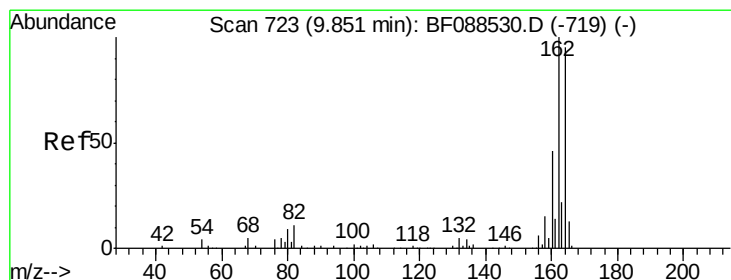
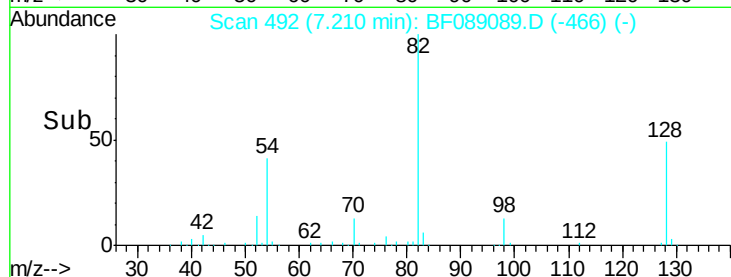
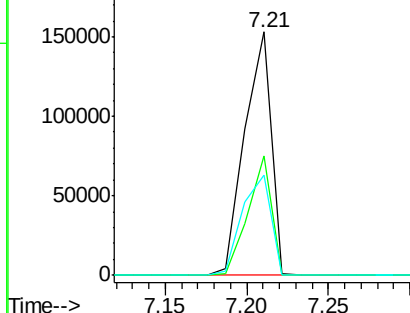
#23
 Nitrobenzene-d5
 Concen: 44.08 ng
 RT: 7.21 min Scan# 492
 Delta R.T. -0.00 min
 Lab File: BF089089.D
 Acq: 18 Jul 2016 18:40

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB03(0-2in)

Tot Ion: 82 Resp: 172057
 Ion Ratio Lower Upper
 82 100
 128 48.9 35.9 53.9
 54 41.4 40.9 61.3

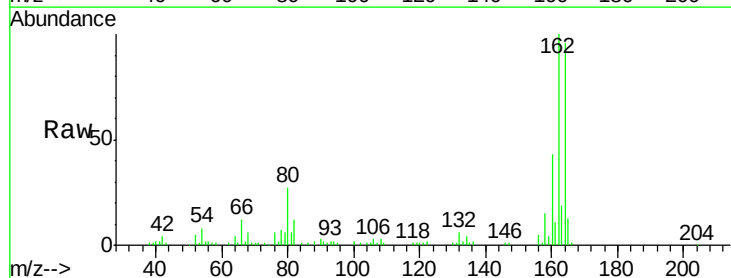


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

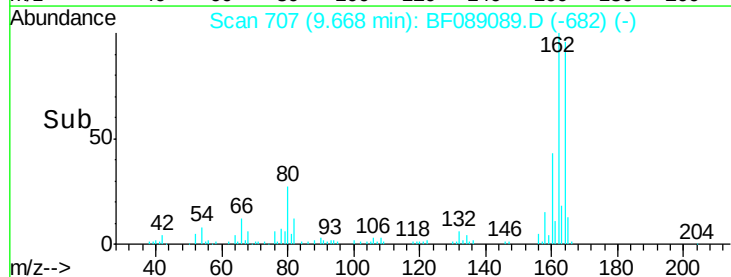
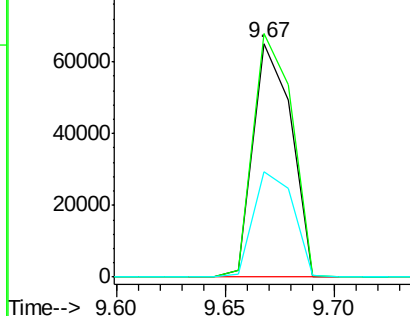


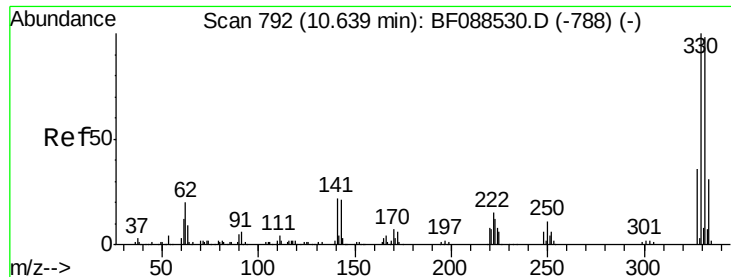
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.67 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: BF089089.D
 Acq: 18 Jul 2016 18:40

Tgt Ion:164 Resp: 79882
 Ion Ratio Lower Upper
 164 100
 162 104.1 85.4 128.2
 160 45.2 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

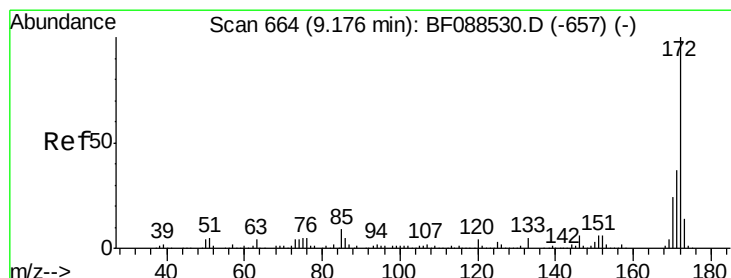
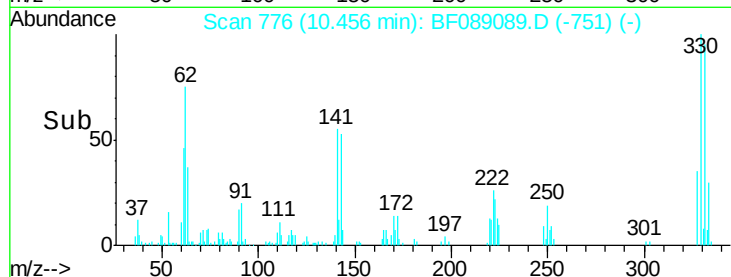
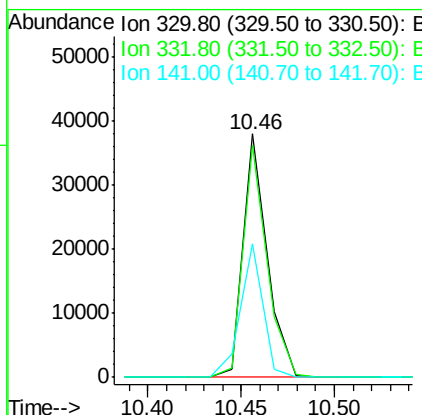
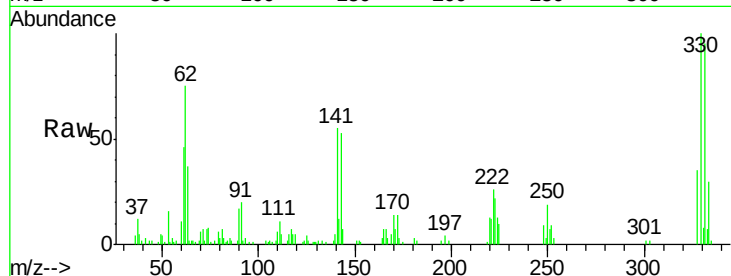




#41
 2,4,6-Tribromophenol
 Concen: 46.01 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: BF089089.D
 Acq: 18 Jul 2016 18:40

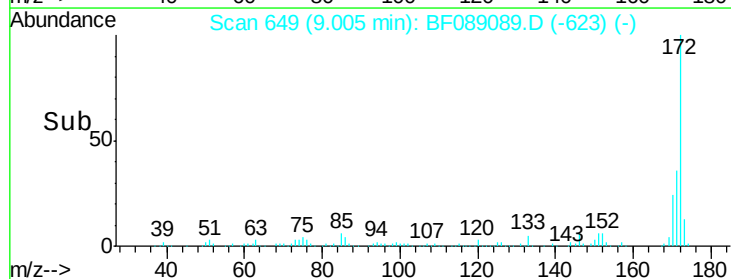
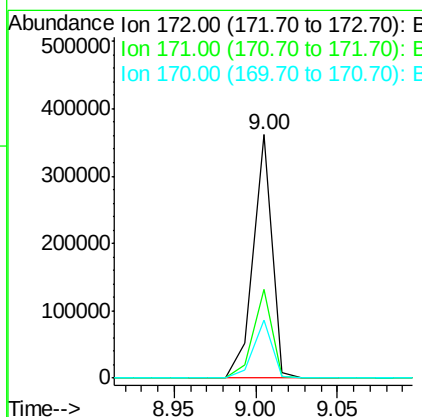
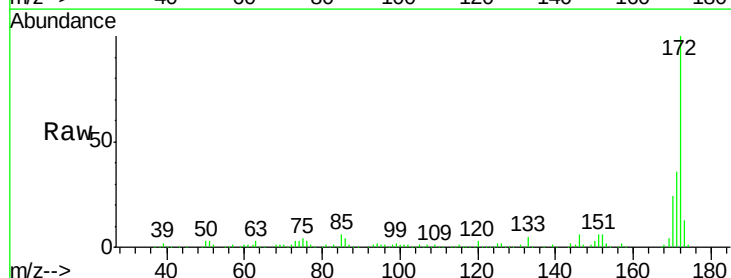
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB03(0-2in)

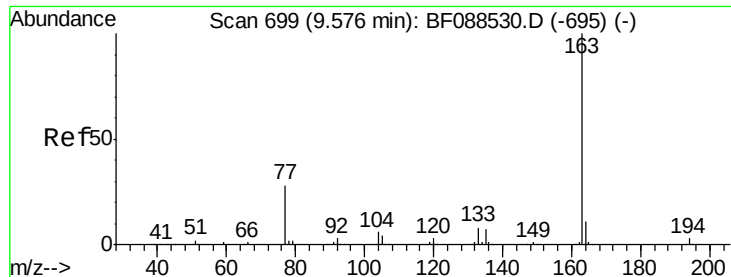
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	0.0	0.0#
141	51.6	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 57.56 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: BF089089.D
 Acq: 18 Jul 2016 18:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	23.7	19.2	28.8





#49

Dimethylphthalate

Concen: 13.55 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF089089.D

Acq: 18 Jul 2016 18:40

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB03(0-2in)

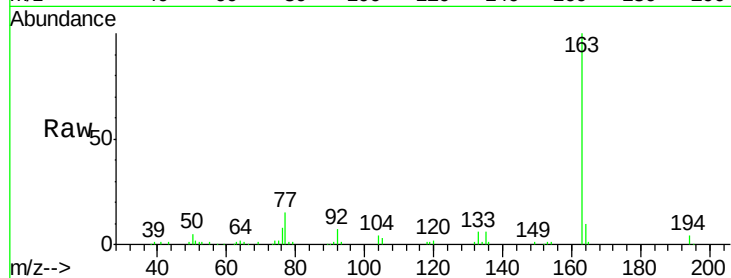
Tot Ion:163 Resp: 77102

Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

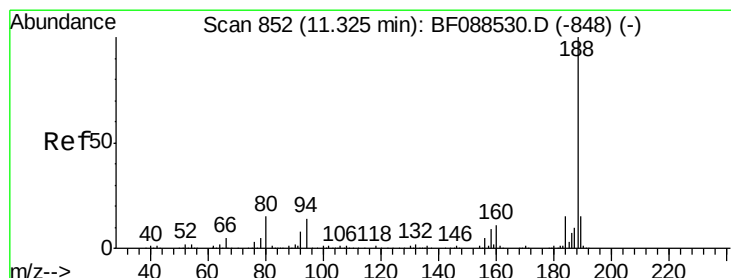
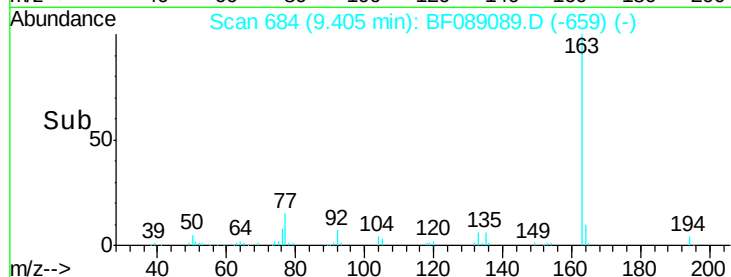
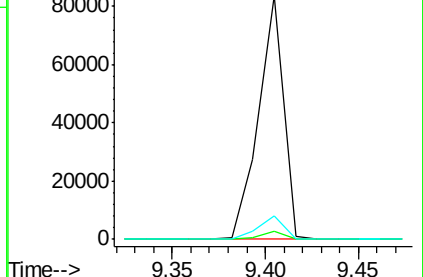
164 9.6 8.3 12.5



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: BF089089.D

Acq: 18 Jul 2016 18:40

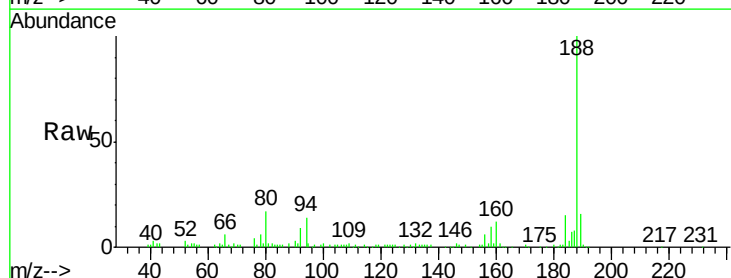
Tgt Ion:188 Resp: 119128

Ion Ratio Lower Upper

188 100

94 14.3 9.0 13.6#

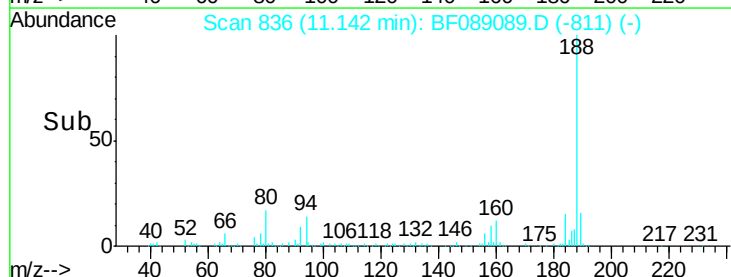
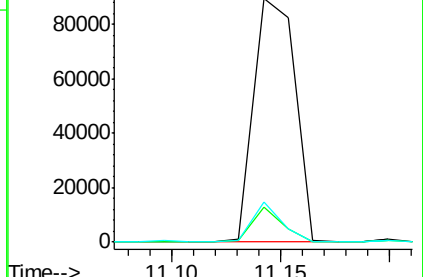
80 16.6 10.0 15.0#

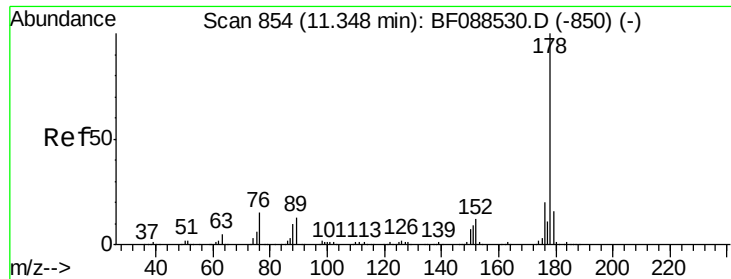


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 4.74 ng

RT: 11.16 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF089089.D

Acq: 18 Jul 2016 18:40

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB03(0-2in)

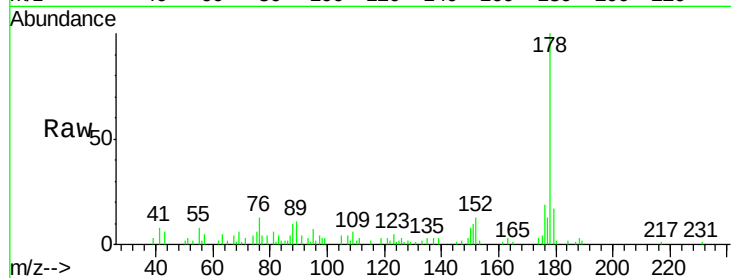
Tot Ion:178 Resp: 30841

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.6

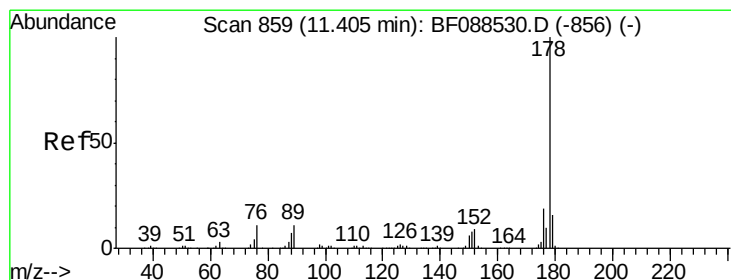
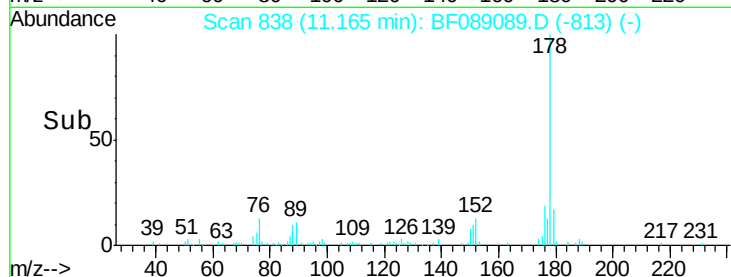
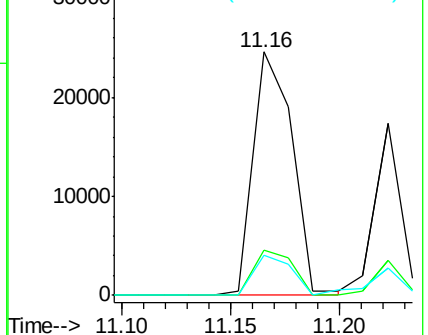
179 16.6 13.0 19.4



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: 2.65 ng

RT: 11.22 min Scan# 843

Delta R.T. -0.00 min

Lab File: BF089089.D

Acq: 18 Jul 2016 18:40

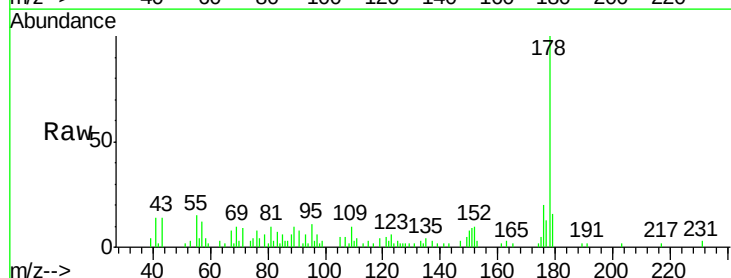
Tgt Ion:178 Resp: 17133

Ion Ratio Lower Upper

178 100

176 20.1 15.6 23.4

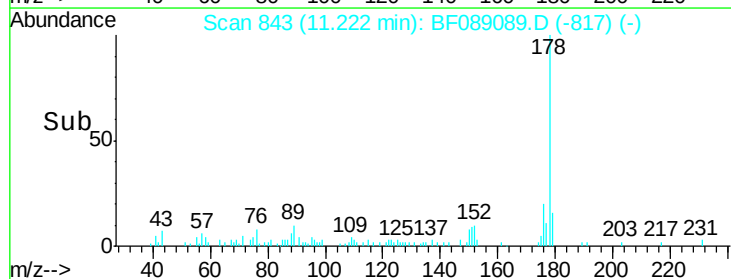
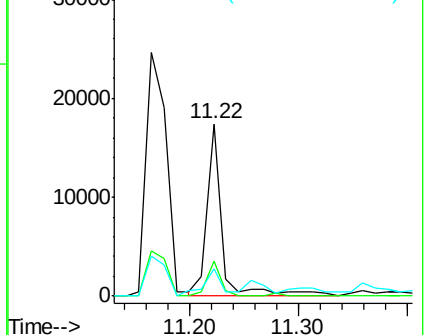
179 15.9 12.8 19.2

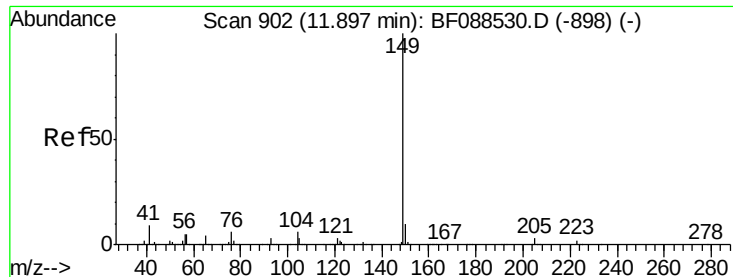


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 3.88 ng

RT: 11.72 min Scan# 887

Delta R.T. -0.00 min

Lab File: BF089089.D

Acq: 18 Jul 2016 18:40

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB03(0-2in)

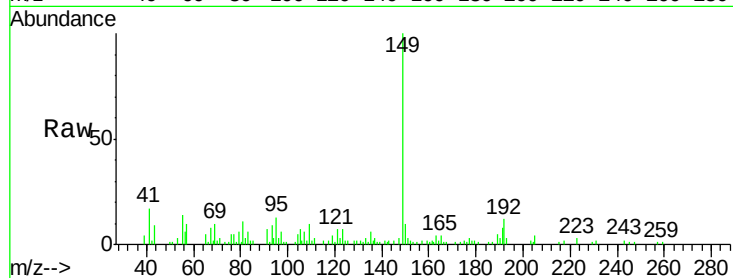
Tot Ion:149 Resp: 27537

Ion Ratio Lower Upper

149 100

150 10.1 7.8 11.6

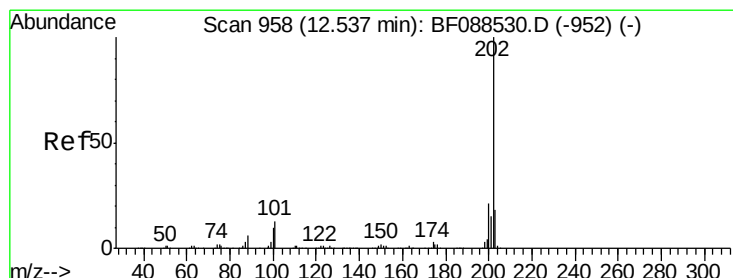
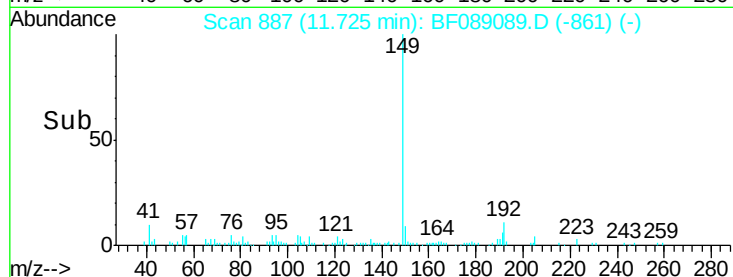
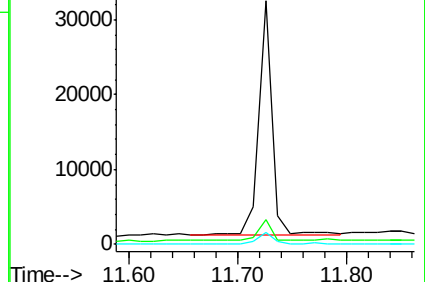
104 5.2 4.0 6.0



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: 11.87 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF089089.D

Acq: 18 Jul 2016 18:40

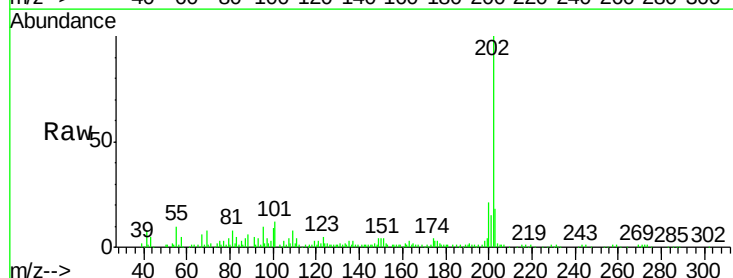
Tgt Ion:202 Resp: 78355

Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.1

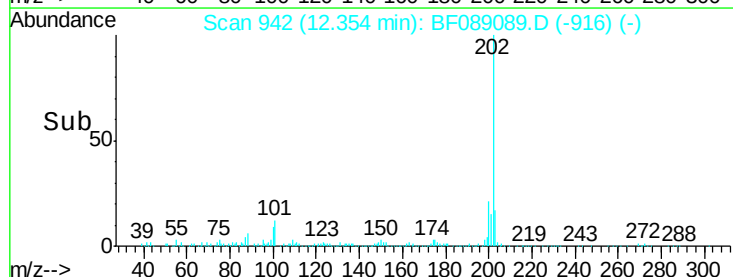
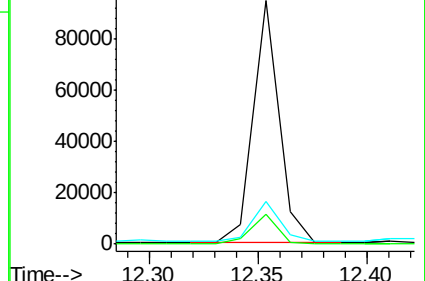
203 17.8 0.0 38.1

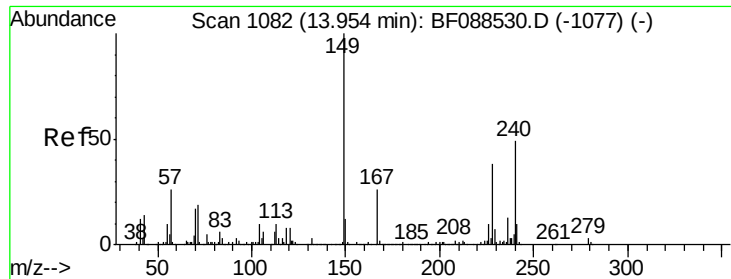


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

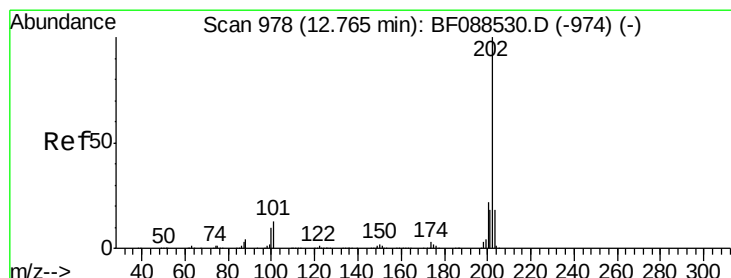
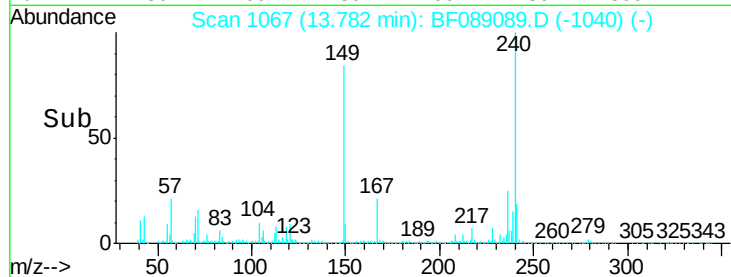
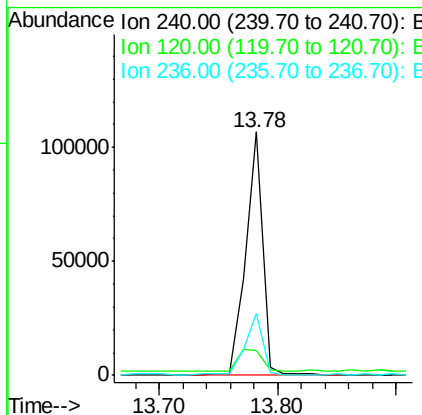
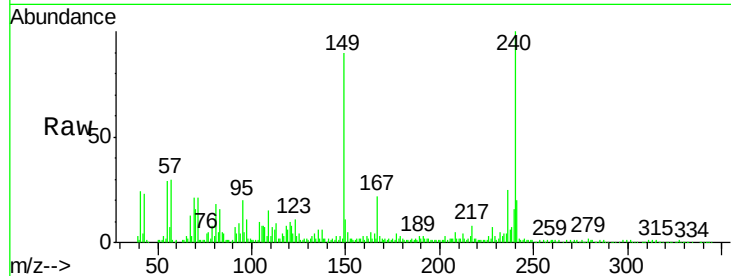




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.78 min Scan# 1067
 Delta R.T. 0.01 min
 Lab File: BF089089.D
 Acq: 18 Jul 2016 18:40

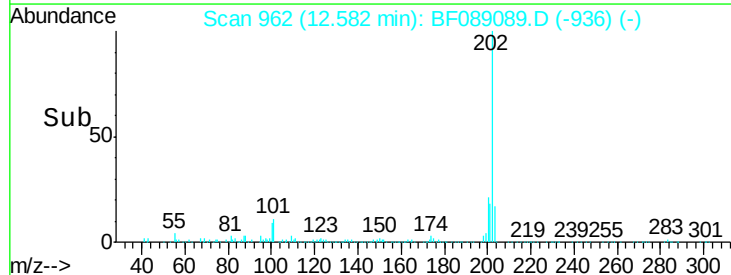
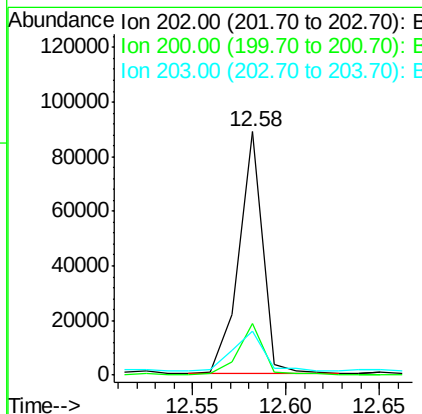
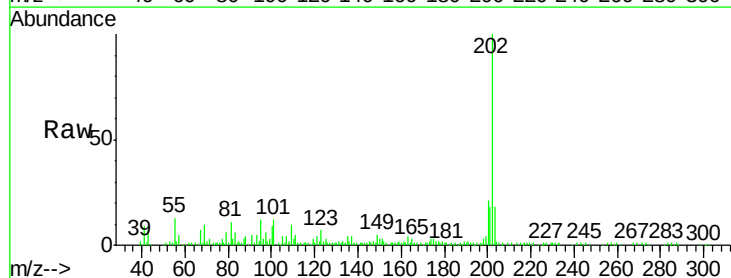
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB03(0-2in)

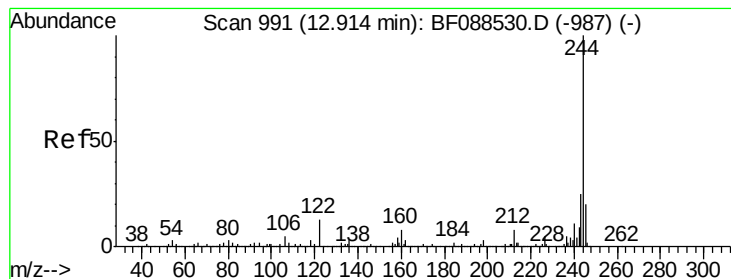
Tot Ion:240 Resp: 105329
 Ion Ratio Lower Upper
 240 100
 120 10.4 6.8 10.2#
 236 25.3 20.2 30.2



#77
 Pyrene
 Concen: 8.81 ng
 RT: 12.58 min Scan# 962
 Delta R.T. -0.00 min
 Lab File: BF089089.D
 Acq: 18 Jul 2016 18:40

Tgt Ion:202 Resp: 78690
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.4 26.2
 203 18.2 14.5 21.7





#78

Terphenyl-d14

Concen: 32.28 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.00 min

Lab File: BF089089.D

Acq: 18 Jul 2016 18:40

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB03(0-2in)

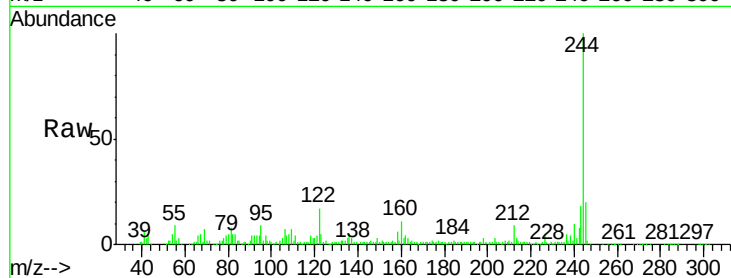
Tot Ion:244 Resp: 152628

Ion Ratio Lower Upper

244 100

212 8.7 6.0 9.0

122 17.1 11.2 16.8#

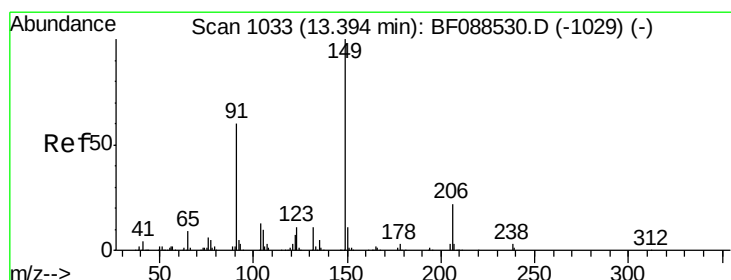
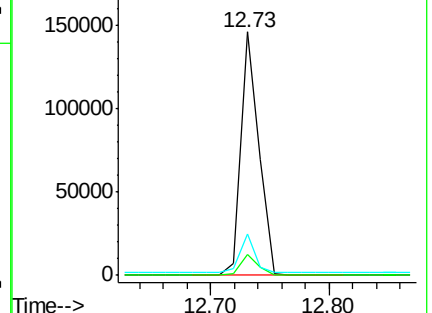
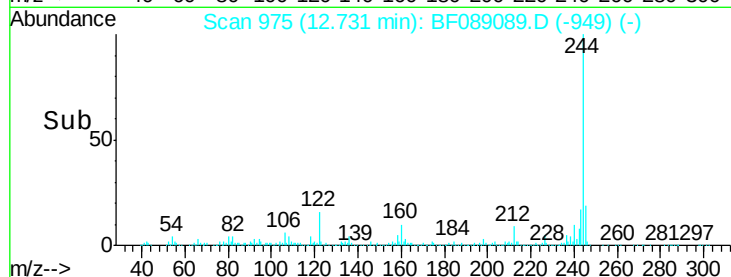


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.73



#79

Butylbenzylphthalate

Concen: 14.68 ng

RT: 13.21 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF089089.D

Acq: 18 Jul 2016 18:40

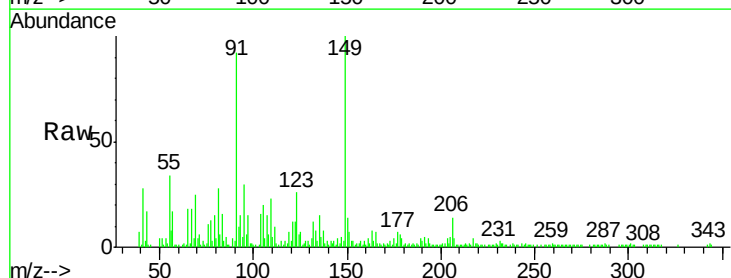
Tgt Ion:149 Resp: 58495

Ion Ratio Lower Upper

149 100

91 92.1 48.0 72.0#

206 14.1 16.0 24.0#

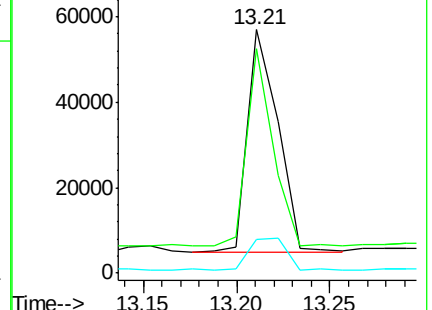
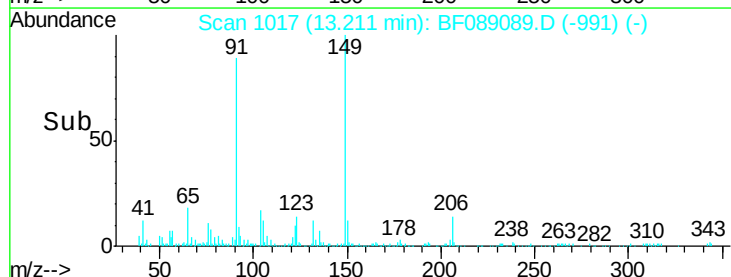


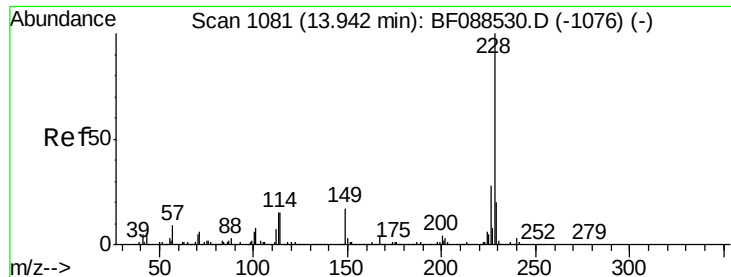
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

13.21





#80

Benzo(a)anthracene

Concen: 6.42 ng

RT: 13.77 min Scan# 1066

Delta R.T. 0.01 min

Lab File: BF089089.D

Acq: 18 Jul 2016 18:40

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB03(0-2in)

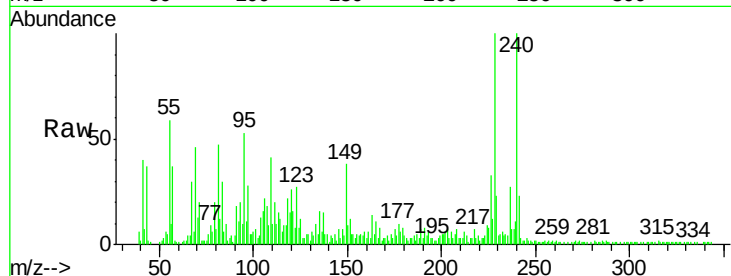
Tot Ion:228 Resp: 43565

Ion Ratio Lower Upper

228 100

226 33.4 22.3 33.5

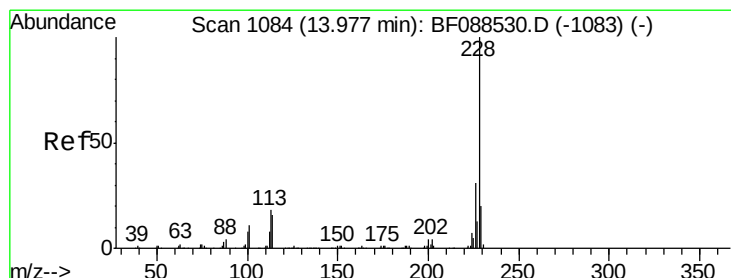
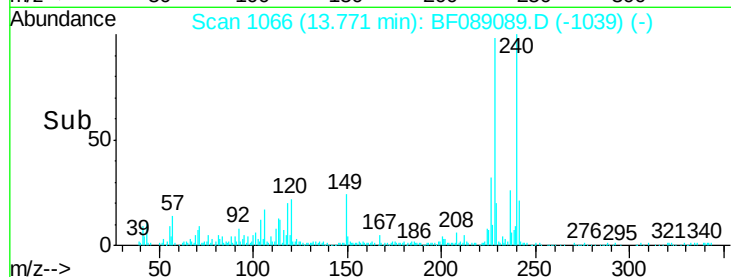
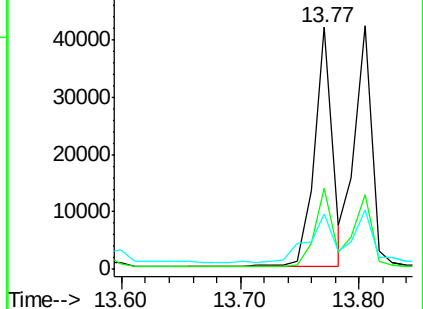
229 22.9 16.0 24.0



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: 6.25 ng m

RT: 13.81 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BF089089.D

Acq: 18 Jul 2016 18:40

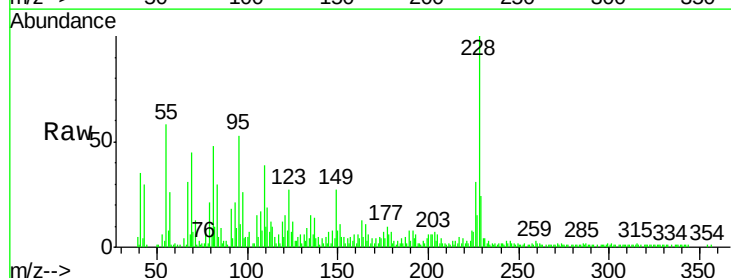
Tgt Ion:228 Resp: 41955

Ion Ratio Lower Upper

228 100

226 30.6 25.4 38.2

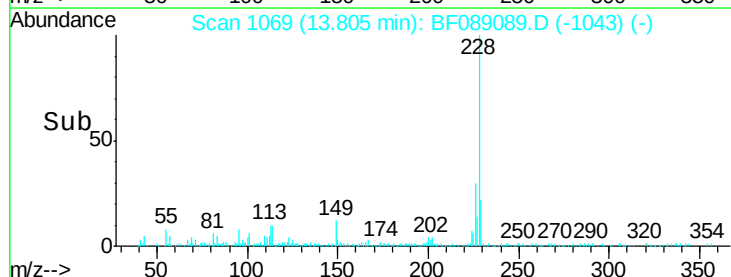
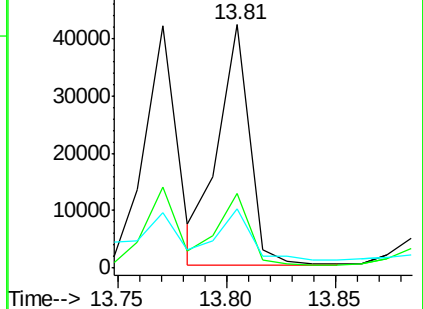
229 24.1 16.3 24.5

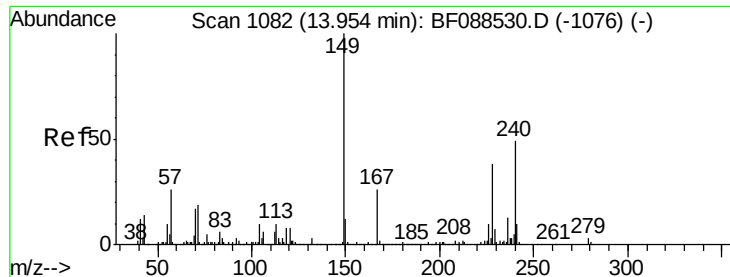


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 17.96 ng

RT: 13.78 min Scan# 1067

Delta R.T. 0.01 min

Lab File: BF089089.D

Acq: 18 Jul 2016 18:40

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB03(0-2in)

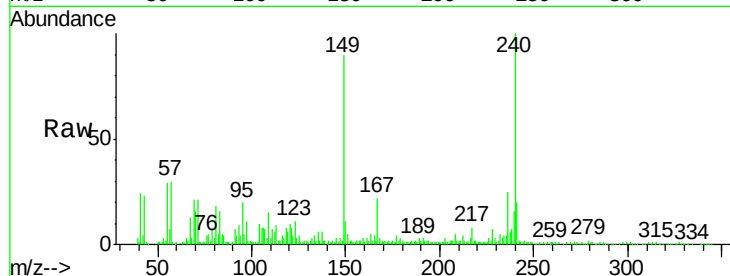
Tot Ion:149 Resp: 81699

Ion Ratio Lower Upper

149 100

167 24.3 20.5 30.7

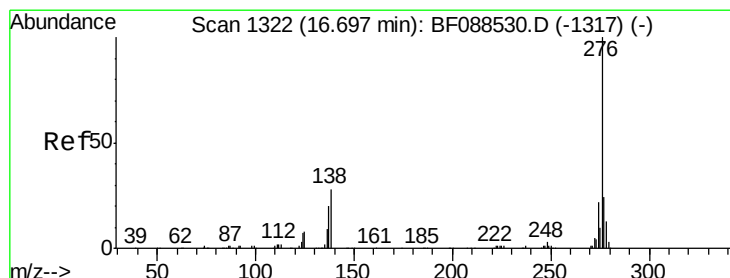
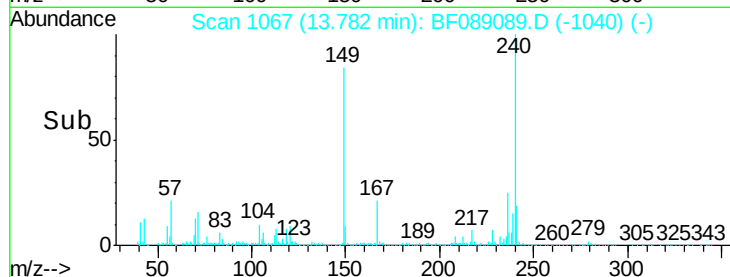
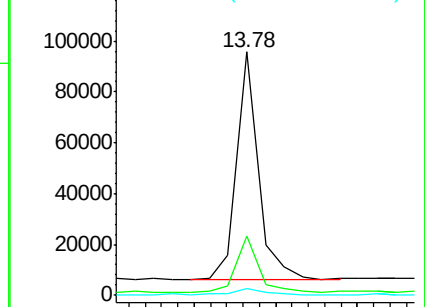
279 2.6 2.0 3.0



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: 5.97 ng

RT: 16.40 min Scan# 1296

Delta R.T. 0.02 min

Lab File: BF089089.D

Acq: 18 Jul 2016 18:40

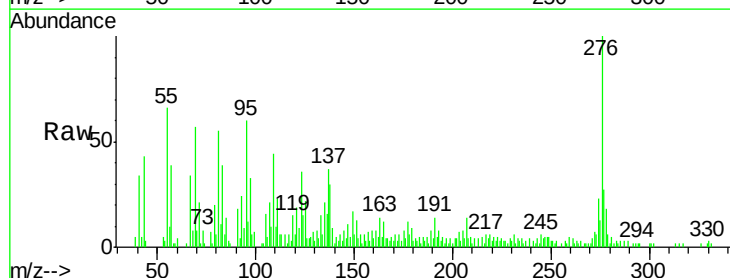
Tgt Ion:276 Resp: 30811

Ion Ratio Lower Upper

276 100

138 23.5 0.0 0.0#

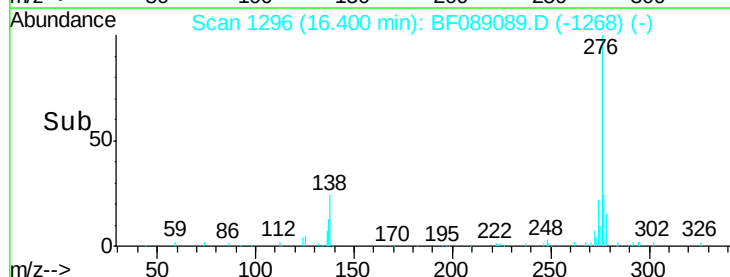
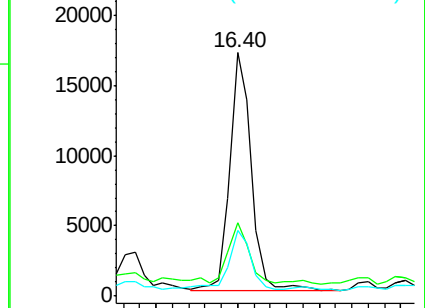
277 25.4 0.0 0.0#

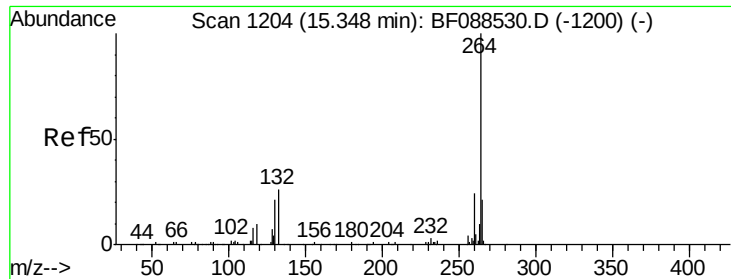


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

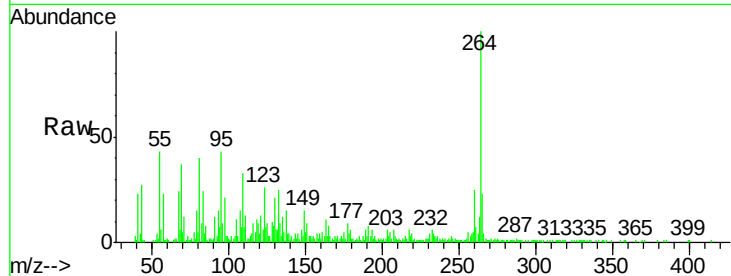




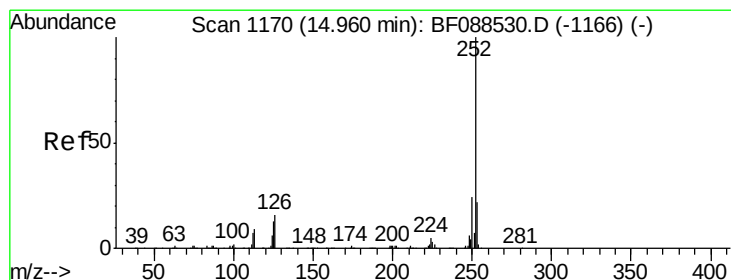
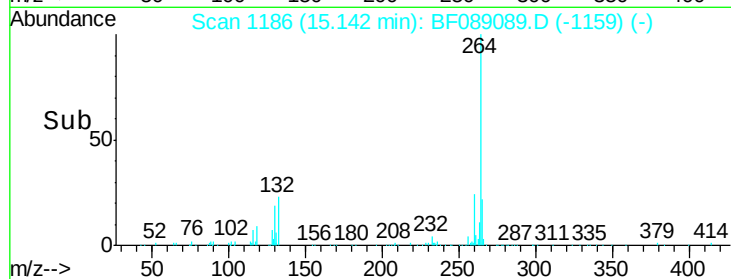
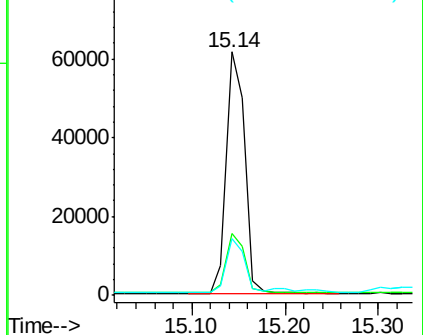
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 1186
Delta R.T. 0.01 min
Lab File: BF089089.D
Acq: 18 Jul 2016 18:40

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB03(0-2in)

Tot Ion:264 Resp: 85491
Ion Ratio Lower Upper
264 100
260 25.2 19.2 28.8
265 23.1 16.9 25.3

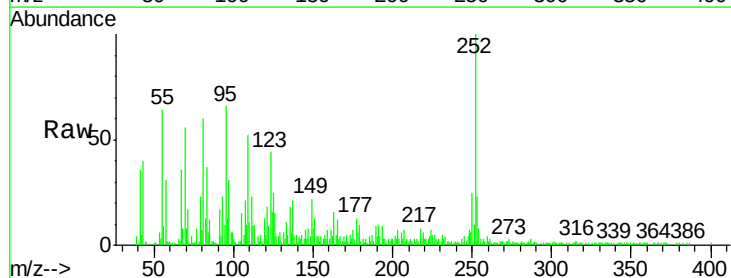


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

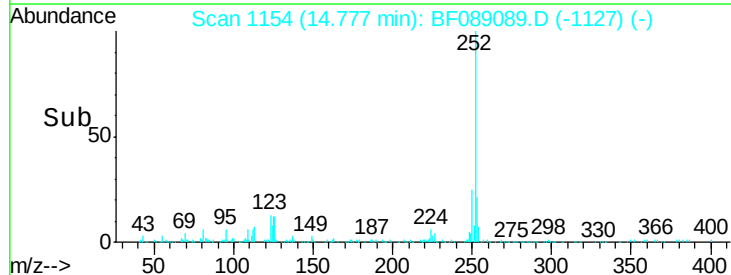
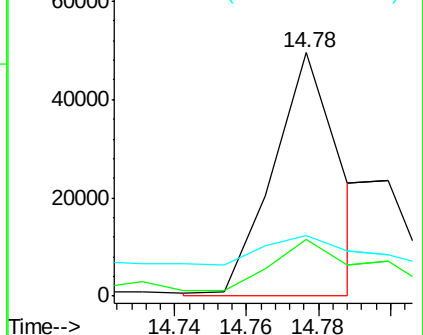


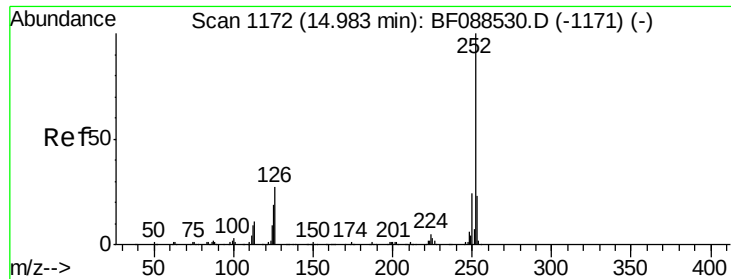
#87
Benzo(b)fluoranthene
Concen: 12.02 ng m
RT: 14.78 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BF089089.D
Acq: 18 Jul 2016 18:40

Tgt Ion:252 Resp: 64472
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 25.0 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

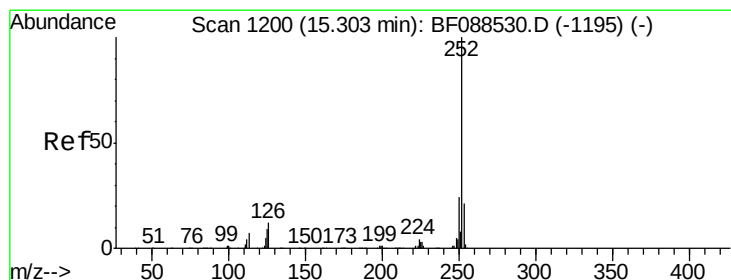
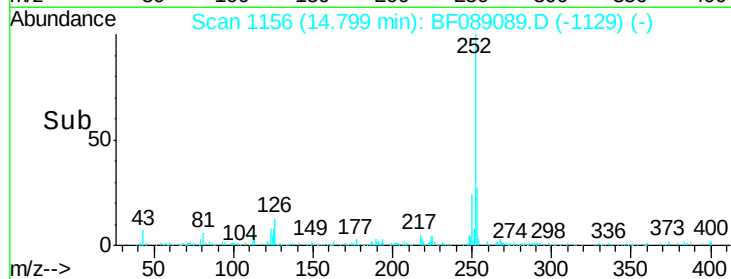
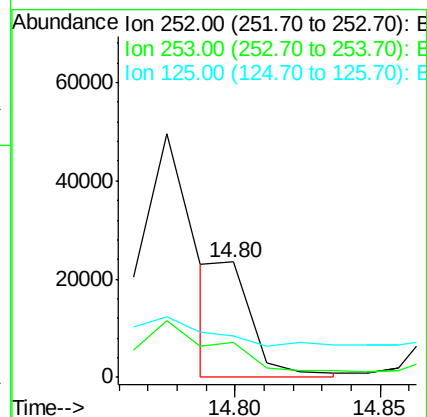
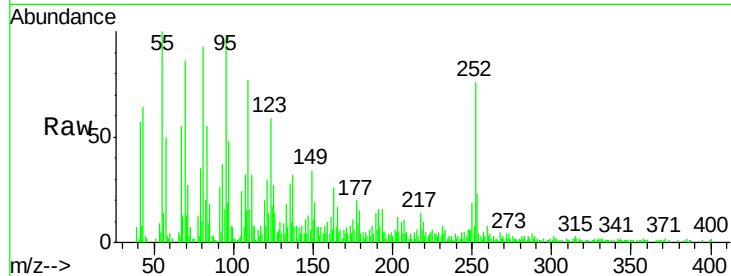




#88
Benzo(k)fluoranthene
Concen: 4.15 ng m
RT: 14.80 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BF089089.D
Acq: 18 Jul 2016 18:40

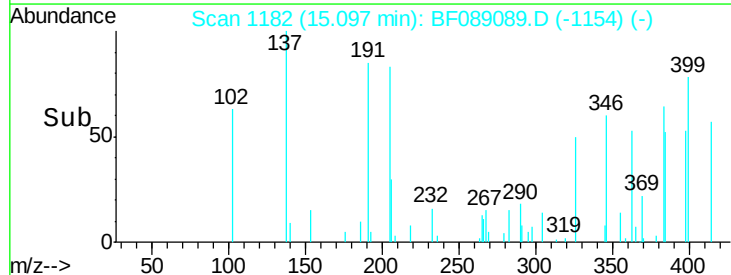
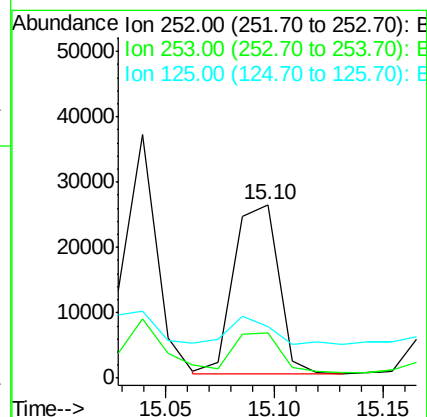
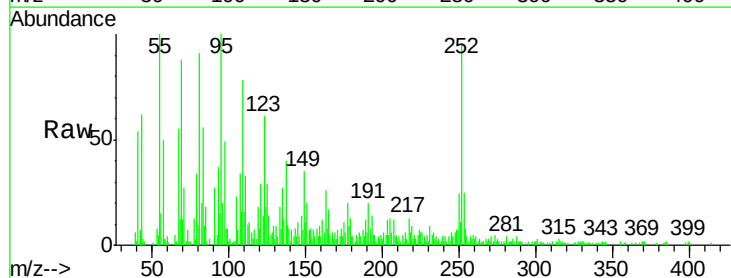
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB03(0-2in)

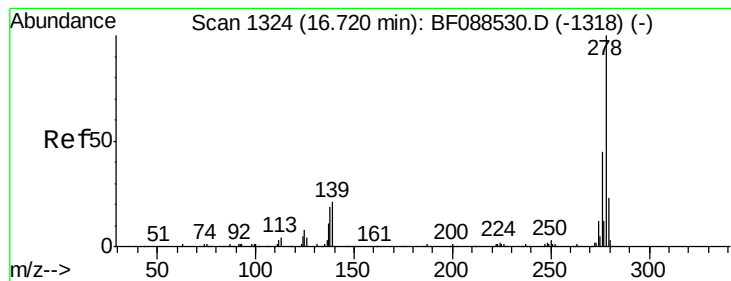
Tot Ion:252 Resp: 19385
Ion Ratio Lower Upper
252 100
253 30.4 18.0 27.0#
125 35.5 11.2 16.8#



#89
Benzo(a)pyrene
Concen: 8.22 ng
RT: 15.10 min Scan# 1182
Delta R.T. 0.02 min
Lab File: BF089089.D
Acq: 18 Jul 2016 18:40

Tgt Ion:252 Resp: 37343
Ion Ratio Lower Upper
252 100
253 25.8 17.9 26.9
125 30.0 12.5 18.7#





#90

Dibenzo(a,h)anthracene

Concen: 2.02 ng

RT: 16.41 min Scan# 1297

Delta R.T. 0.02 min

Lab File: BF089089.D

Acq: 18 Jul 2016 18:40

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB03(0-2in)

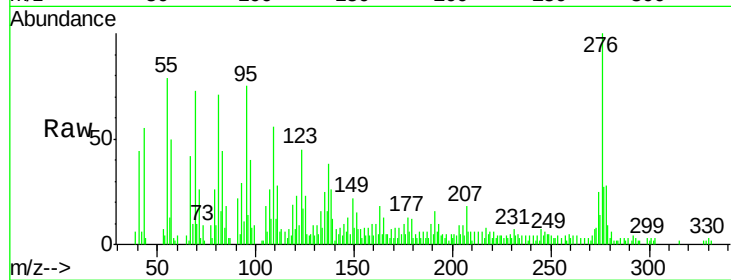
Tot Ion:278 Resp: 7642

Ion Ratio Lower Upper

278 100

139 43.9 15.7 23.5#

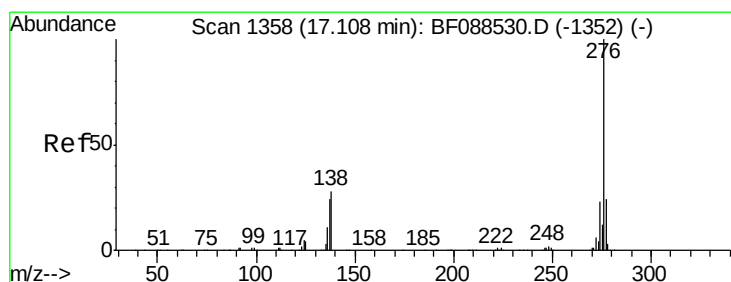
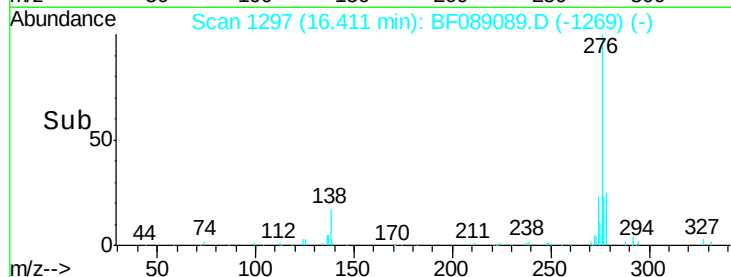
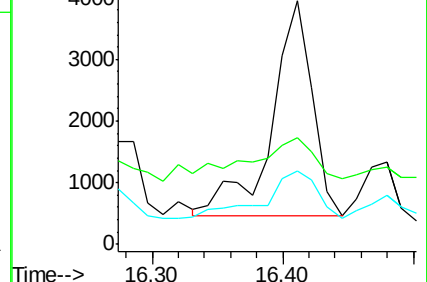
279 30.3 19.4 29.2#



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(g,h,i)perylene

Concen: 8.21 ng

RT: 16.78 min Scan# 1329

Delta R.T. 0.02 min

Lab File: BF089089.D

Acq: 18 Jul 2016 18:40

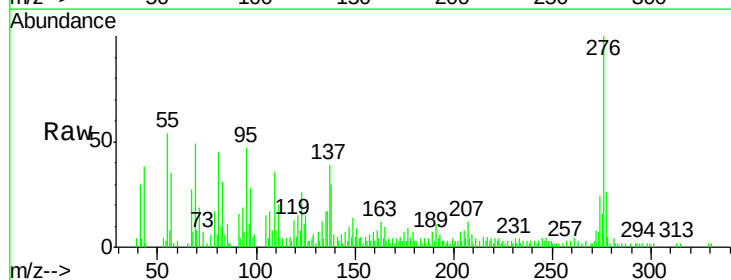
Tgt Ion:276 Resp: 32225

Ion Ratio Lower Upper

276 100

277 26.5 18.9 28.3

138 30.5 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

