

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
 Data File : BF089152.D
 Acq On : 21 Jul 2016 1:22
 Operator : UM/SJ
 Sample : H4112-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KSB-05-12.0-14.0

Quant Time: Jul 21 16:24:03 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

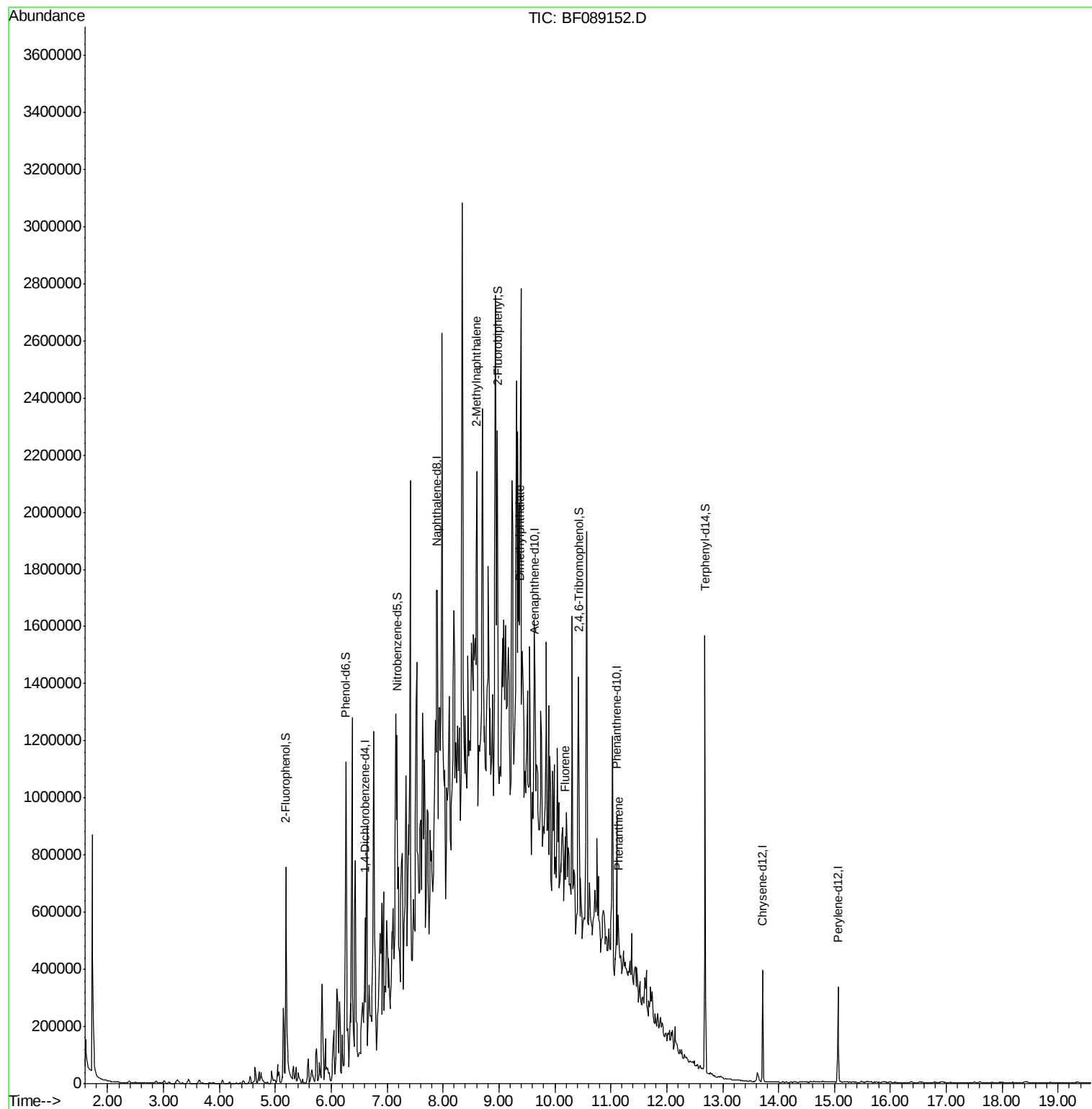
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	54507	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	201801	20.00	ng	0.01
38) Acenaphthene-d10	9.64	164	99957	20.00	ng	0.01
63) Phenanthrene-d10	11.11	188	206275	20.00	ng	0.00
75) Chrysene-d12	13.71	240	171427	20.00	ng	-0.01
86) Perylene-d12	15.06	264	137430	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	367916	102.66	ng	0.00
7) Phenol-d6	6.26	99	498988	107.97	ng	-0.01
23) Nitrobenzene-d5	7.18	82	312168	82.19	ng	0.00
41) 2,4,6-Tribromophenol	10.42	330	98623	109.59	ng	0.00
44) 2-Fluorobiphenyl	8.97	172	465968	64.23	ng	0.00
78) Terphenyl-d14	12.68	244	455110	57.58	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.60	142	129403	18.63	ng	# 90
49) Dimethylphthalate	9.37	163	136734	17.83	ng	# 97
57) Fluorene	10.18	166	39084	5.36	ng	# 80
70) Phenanthrene	11.13	178	66497	5.88	ng	# 95

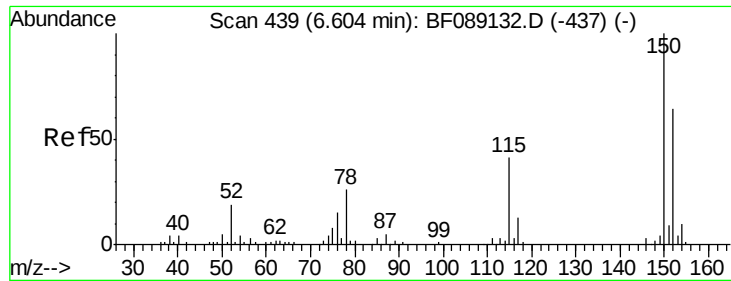
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF089152.D

Acq: 21 Jul 2016 1:22

Instrument :

BNA_F

ClientSampleId :

KSB-05-12.0-14.0

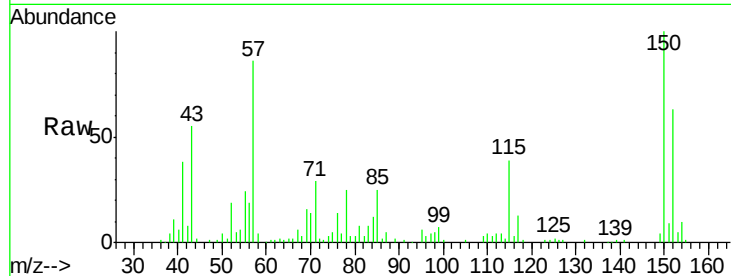
Tgt Ion:152 Resp: 54507

Ion Ratio Lower Upper

152 100

150 157.5 125.1 187.7

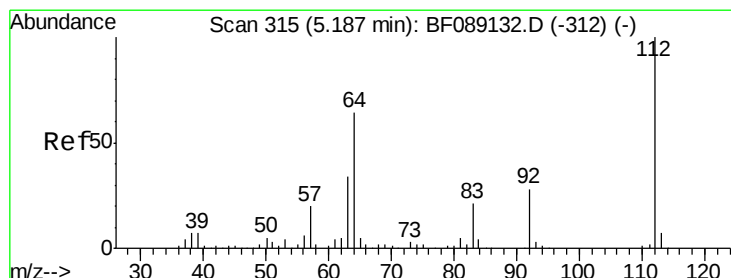
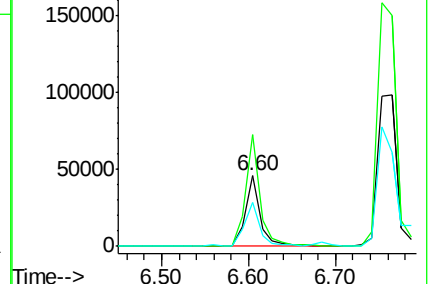
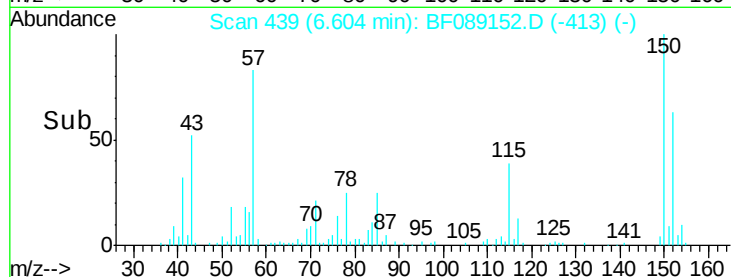
115 62.2 51.1 76.7



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: 102.66 ng

RT: 5.19 min Scan# 315

Delta R.T. 0.00 min

Lab File: BF089152.D

Acq: 21 Jul 2016 1:22

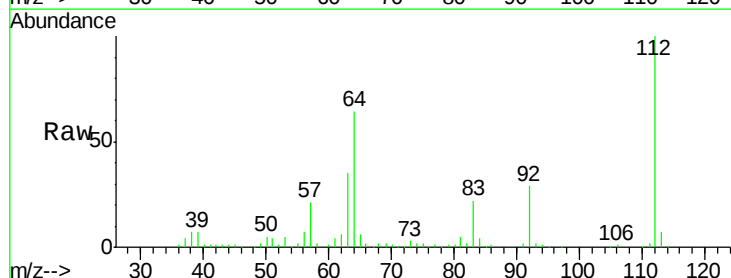
Tgt Ion:112 Resp: 367916

Ion Ratio Lower Upper

112 100

64 64.5 51.0 76.4

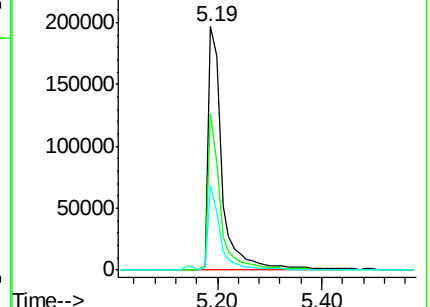
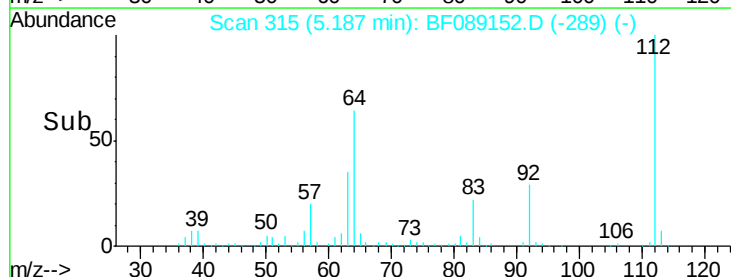
63 34.9 27.3 40.9

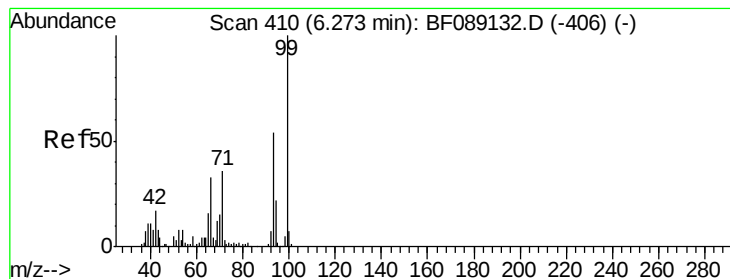


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.97 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF089152.D

Acq: 21 Jul 2016 1:22

Instrument :

BNA_F

ClientSampleId :

KSB-05-12.0-14.0

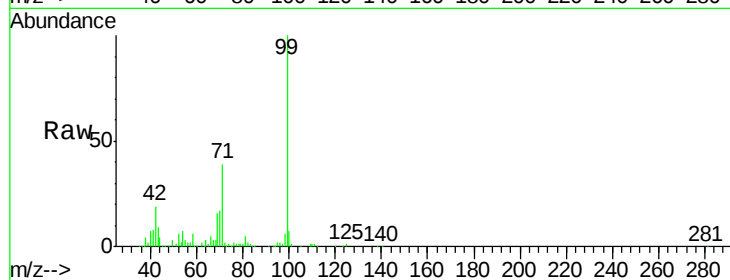
Tgt Ion: 99 Resp: 498988

Ion Ratio Lower Upper

99 100

42 19.0 13.5 20.3

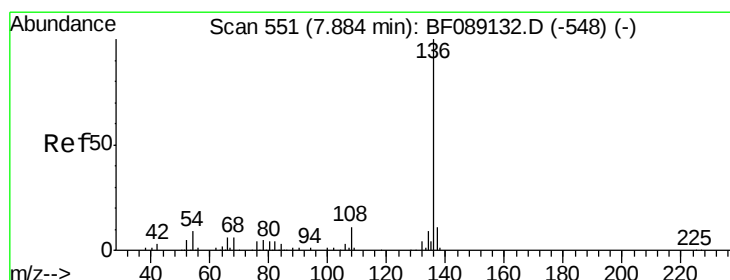
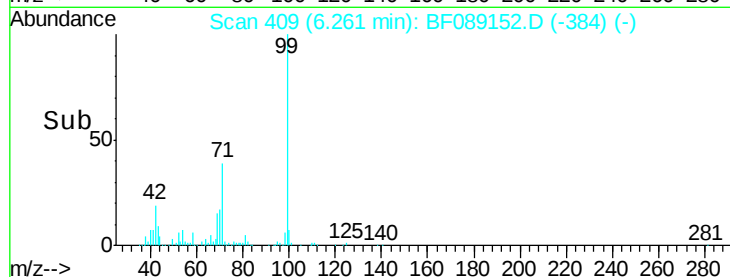
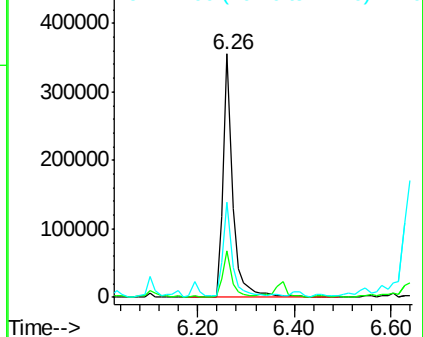
71 39.2 28.9 43.3



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: 7.90 min Scan# 552

Delta R.T. 0.01 min

Lab File: BF089152.D

Acq: 21 Jul 2016 1:22

Tgt Ion: 136 Resp: 201801

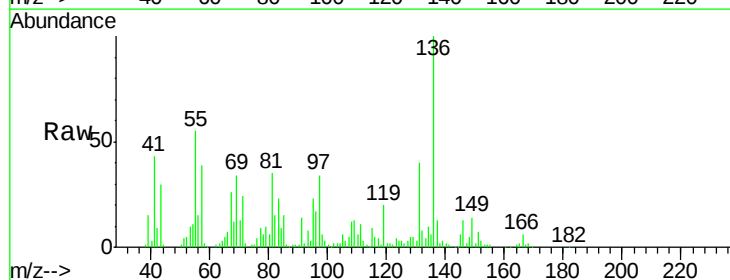
Ion Ratio Lower Upper

136 100

137 13.1 8.8 13.2

54 11.2 7.0 10.4#

68 11.6 5.0 7.6#

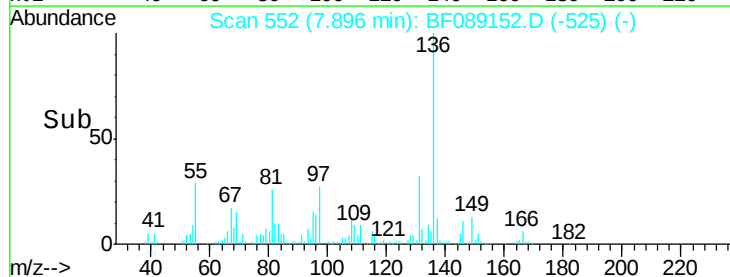
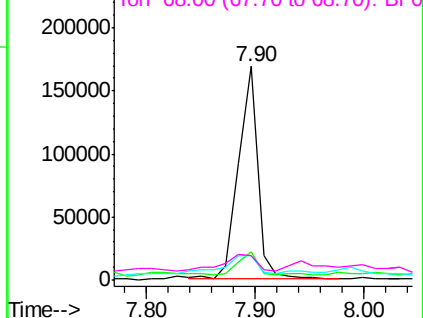


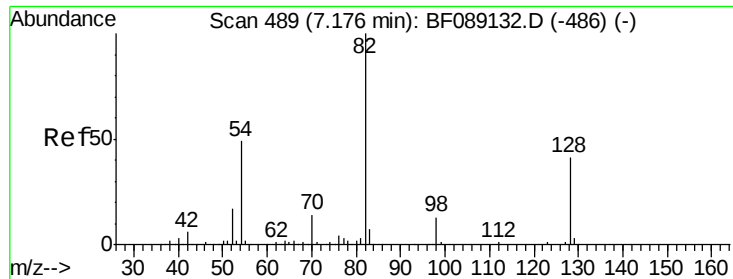
Abundance Ion 136.00 (135.70 to 136.70): E

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

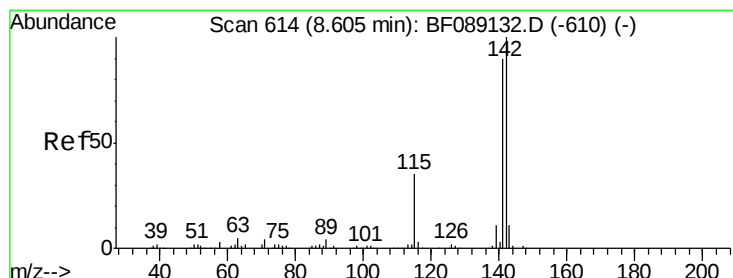
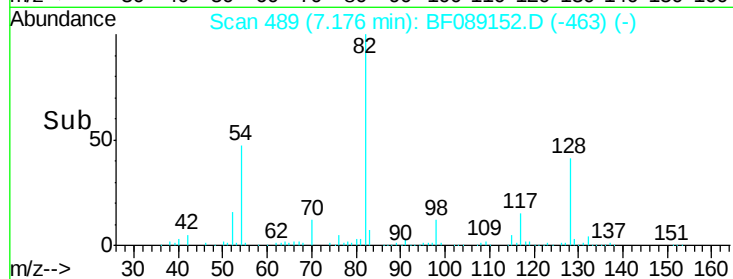
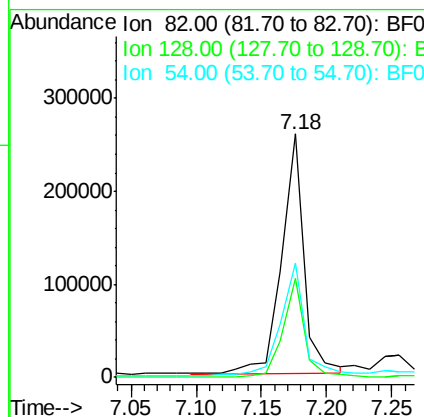
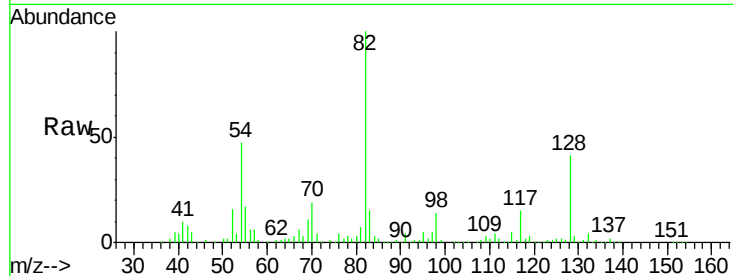




#23
 Nitrobenzene-d5
 Concen: 82.19 ng
 RT: 7.18 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: BF089152.D
 Acq: 21 Jul 2016 1:22

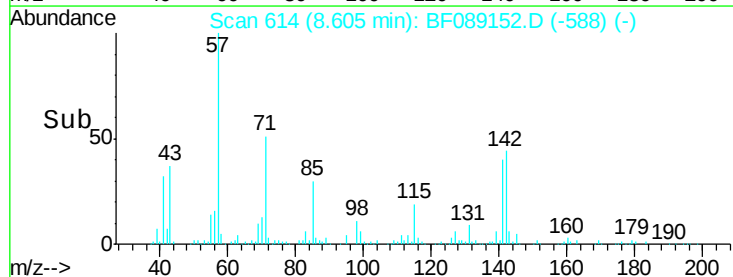
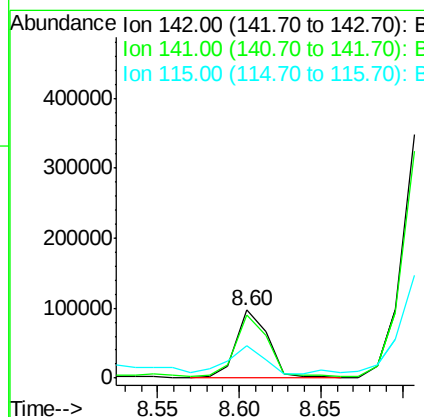
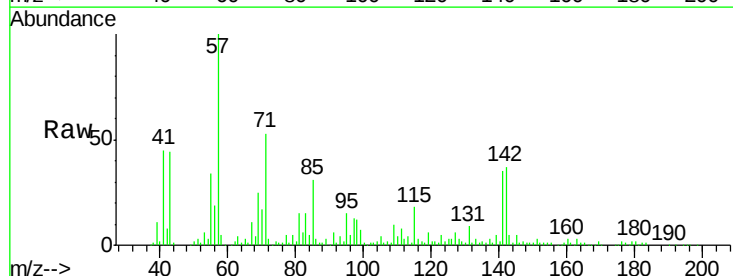
Instrument :
 BNA_F
 ClientSampleId :
 KSB-05-12.0-14.0

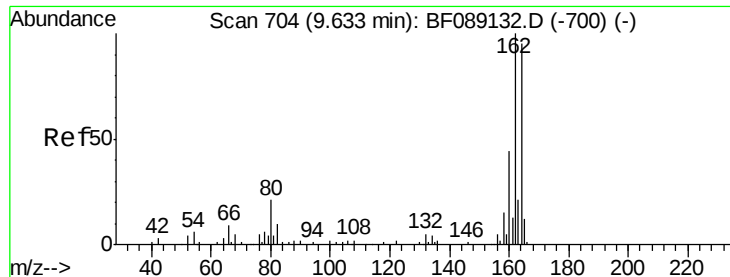
Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.5	33.0	49.6
54	46.7	39.0	58.4



#37
 2-Methylnaphthalene
 Concen: 18.63 ng
 RT: 8.60 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF089152.D
 Acq: 21 Jul 2016 1:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.3	71.6	107.4
115	48.5	27.6	41.4





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. 0.01 min

Lab File: BF089152.D

Acq: 21 Jul 2016 1:22

Instrument :

BNA_F

ClientSampleId :

KSB-05-12.0-14.0

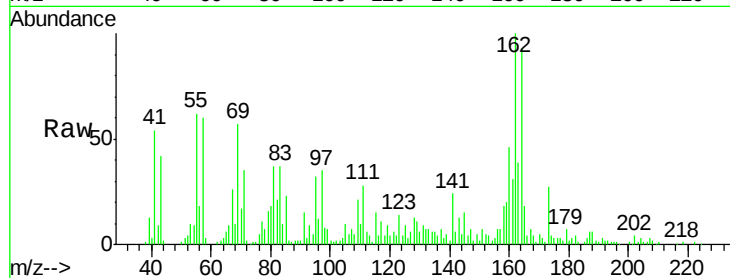
Tgt Ion:164 Resp: 99957

Ion Ratio Lower Upper

164 100

162 108.0 84.1 126.1

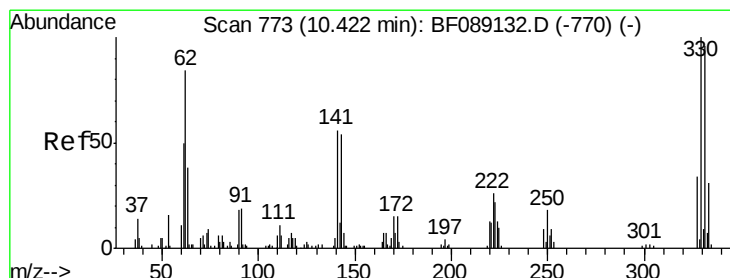
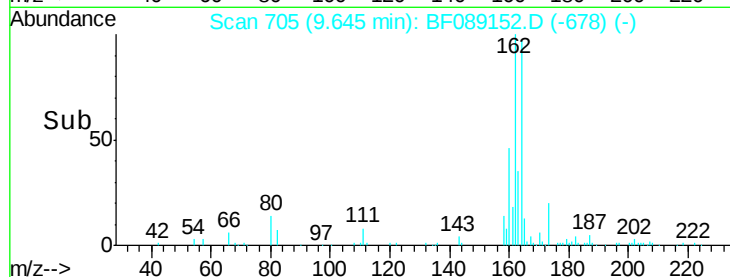
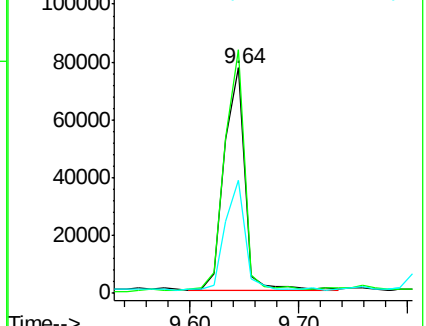
160 50.0 37.1 55.7



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: 109.59 ng

RT: 10.42 min Scan# 773

Delta R.T. 0.00 min

Lab File: BF089152.D

Acq: 21 Jul 2016 1:22

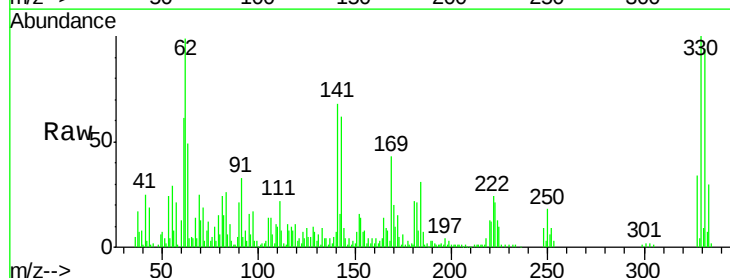
Tgt Ion:330 Resp: 98623

Ion Ratio Lower Upper

330 100

332 95.4 77.2 115.8

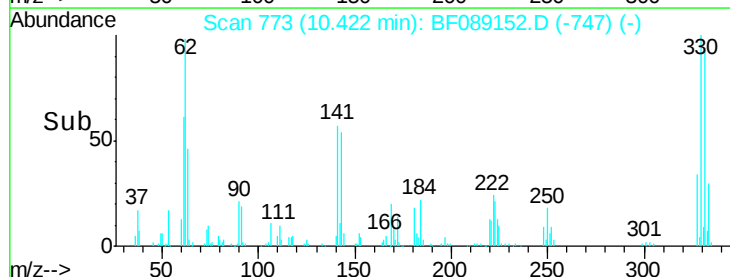
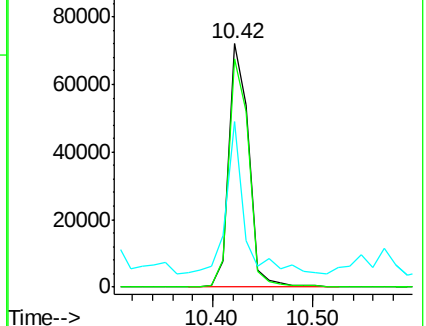
141 57.3 42.2 63.2

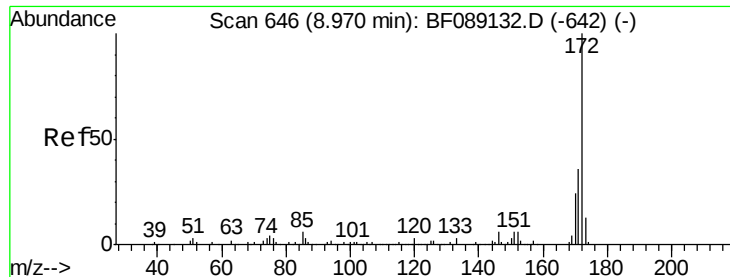


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

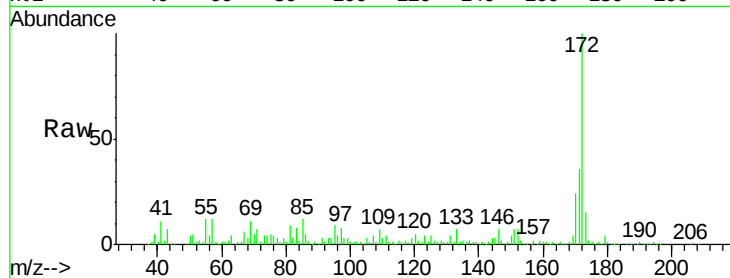




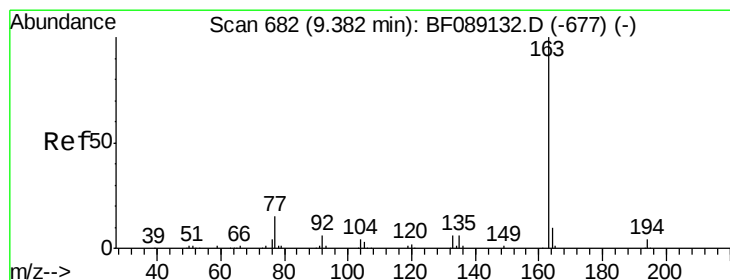
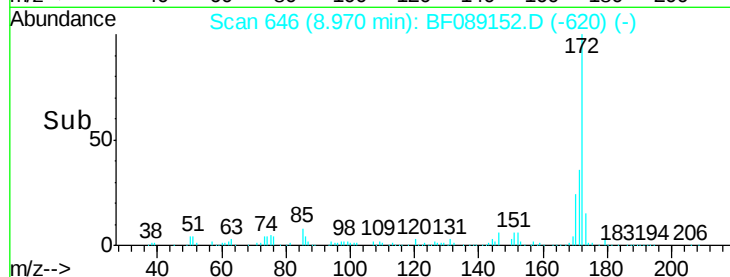
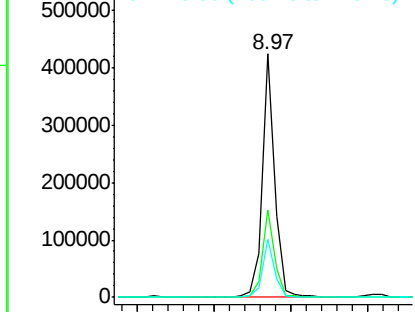
#44
 2-Fluorobiphenyl
 Concen: 64.23 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF089152.D
 Acq: 21 Jul 2016 1:22

Instrument :
 BNA_F
 ClientSampleId :
 KSB-05-12.0-14.0

Tgt Ion:172 Resp: 465968
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.2 43.8
 170 23.7 19.1 28.7

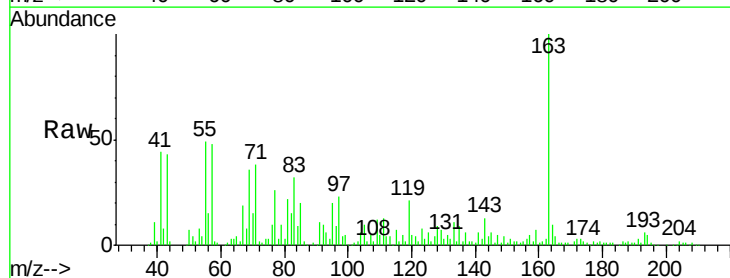


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

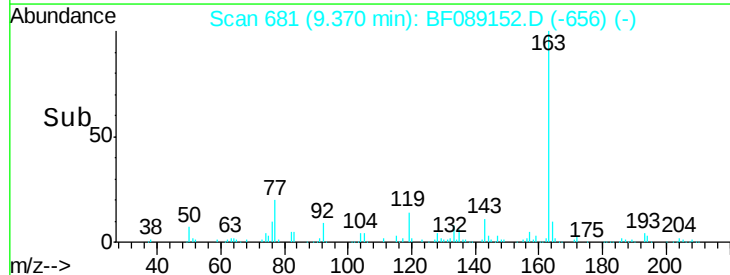
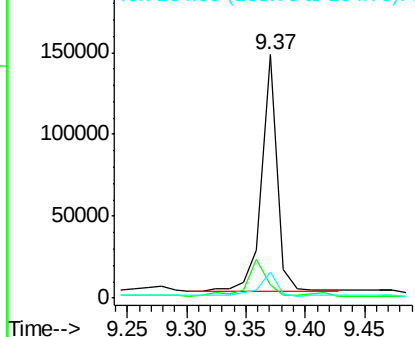


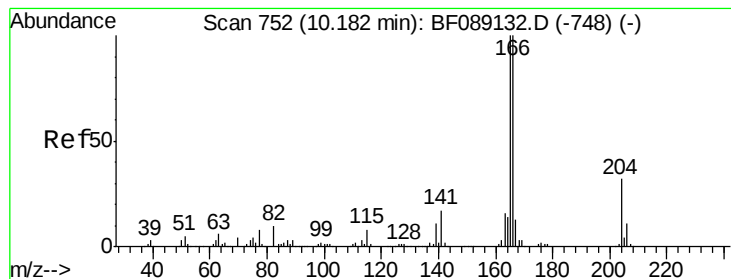
#49
 Dimethylphthalate
 Concen: 17.83 ng
 RT: 9.37 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF089152.D
 Acq: 21 Jul 2016 1:22

Tgt Ion:163 Resp: 136734
 Ion Ratio Lower Upper
 163 100
 194 5.2 2.9 4.3#
 164 10.5 7.6 11.4



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





#57

Fluorene

Concen: 5.36 ng

RT: 10.18 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF089152.D

Acq: 21 Jul 2016 1:22

Instrument :

BNA_F

ClientSampleId :

KSB-05-12.0-14.0

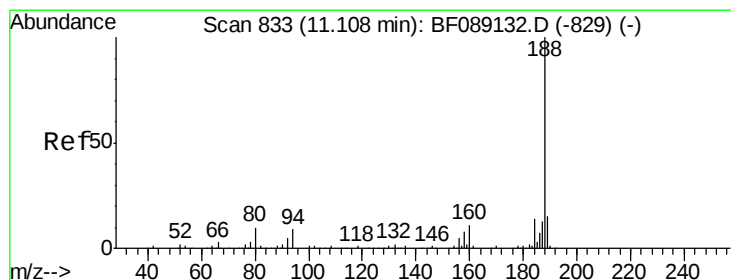
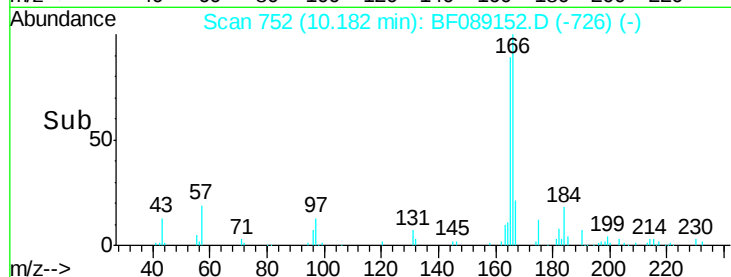
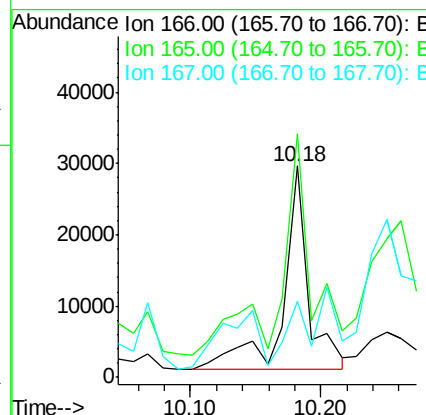
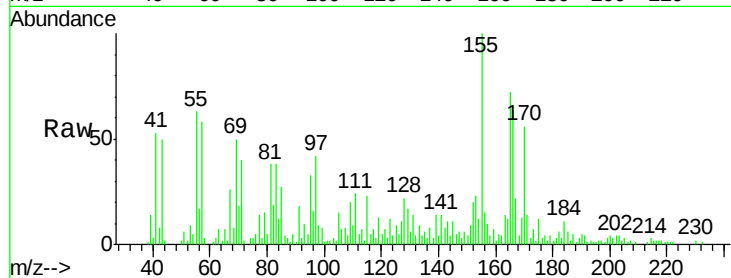
Tgt Ion:166 Resp: 39084

Ion Ratio Lower Upper

166 100

165 115.2 79.9 119.9

167 35.8 10.7 16.1#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.11 min Scan# 833

Delta R.T. 0.00 min

Lab File: BF089152.D

Acq: 21 Jul 2016 1:22

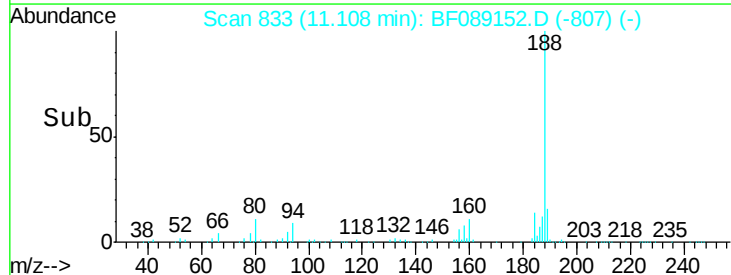
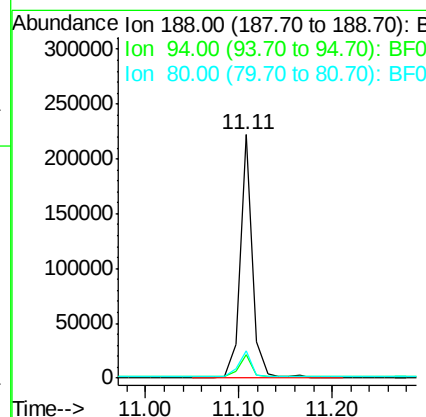
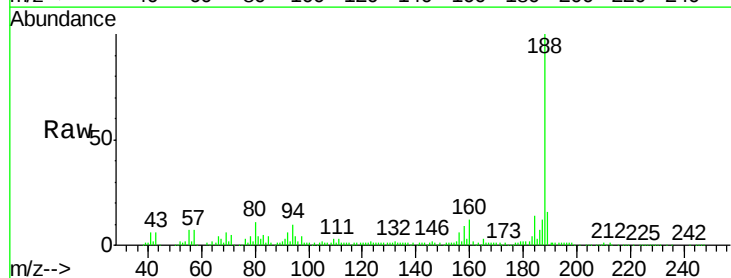
Tgt Ion:188 Resp: 206275

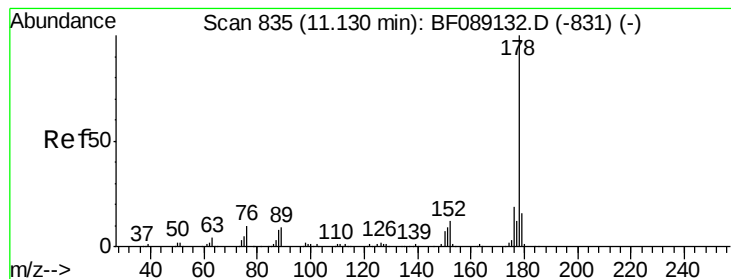
Ion Ratio Lower Upper

188 100

94 9.7 7.0 10.4

80 11.3 7.7 11.5





#70

Phenanthrene

Concen: 5.88 ng

RT: 11.13 min Scan# 835

Delta R.T. 0.00 min

Lab File: BF089152.D

Acq: 21 Jul 2016 1:22

Instrument :

BNA_F

ClientSampleId :

KSB-05-12.0-14.0

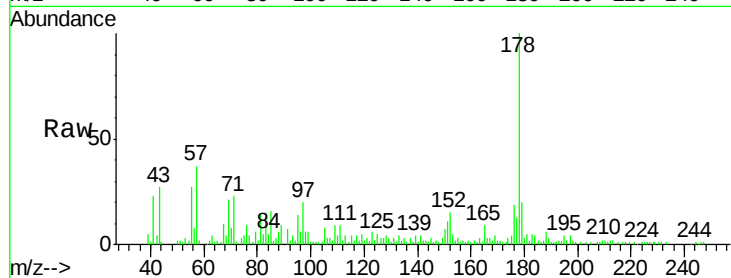
Tgt Ion:178 Resp: 66497

Ion Ratio Lower Upper

178 100

176 19.1 15.6 23.4

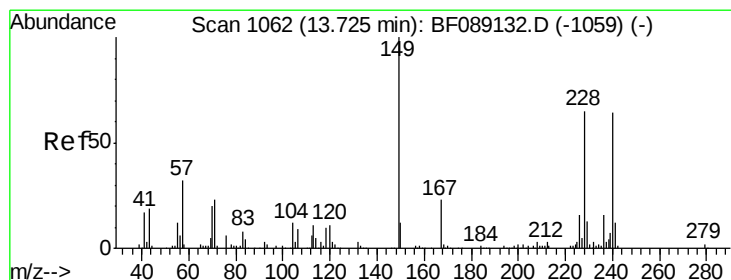
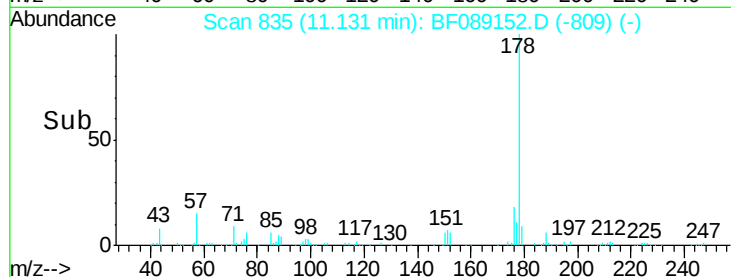
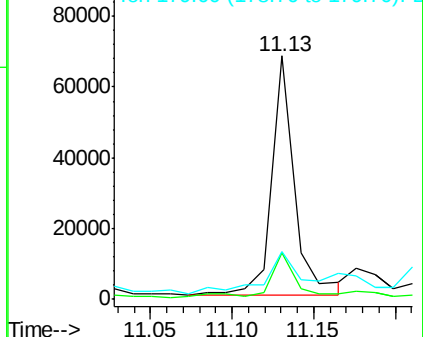
179 19.9 12.4 18.6#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.01 min

Lab File: BF089152.D

Acq: 21 Jul 2016 1:22

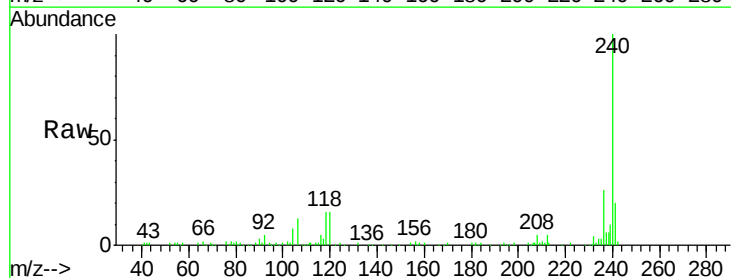
Tgt Ion:240 Resp: 171427

Ion Ratio Lower Upper

240 100

120 16.2 13.6 20.4

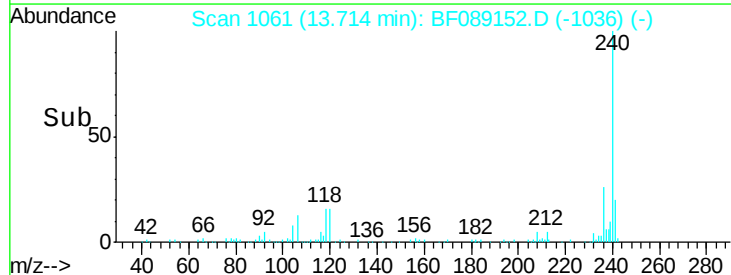
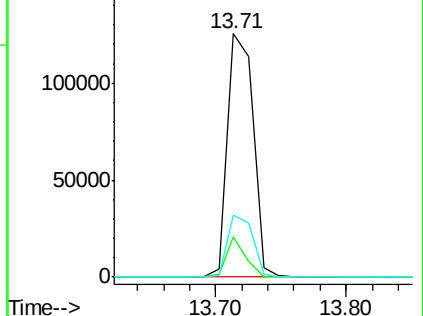
236 25.6 20.5 30.7

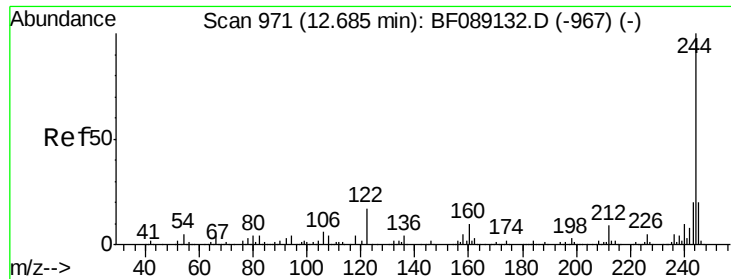


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

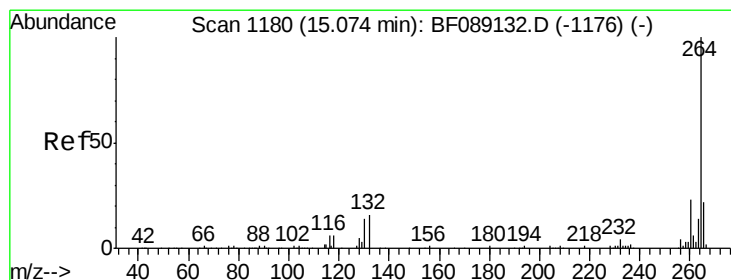
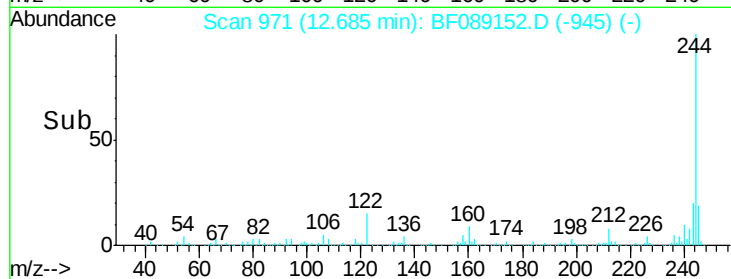
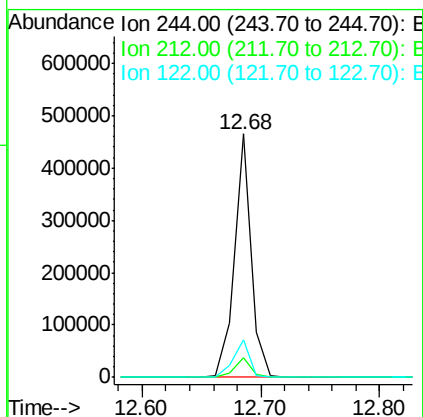
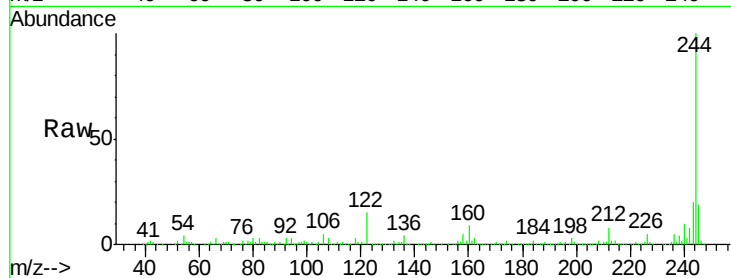




#78
 Terphenyl-d14
 Concen: 57.58 ng
 RT: 12.68 min Scan# 971
 Delta R.T. 0.00 min
 Lab File: BF089152.D
 Acq: 21 Jul 2016 1:22

Instrument :
 BNA_F
 ClientSampleId :
 KSB-05-12.0-14.0

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	7.0	10.4
122	15.3	13.8	20.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.06 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF089152.D
 Acq: 21 Jul 2016 1:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	21.1	17.3	25.9

