

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
 Data File : BF089016.D
 Acq On : 15 Jul 2016 14:54
 Operator : UM/SJ
 Sample : H3972-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB10(0-2in)

Quant Time: Jul 15 23:17:25 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 23:12:46 2016
 Response via : Initial Calibration

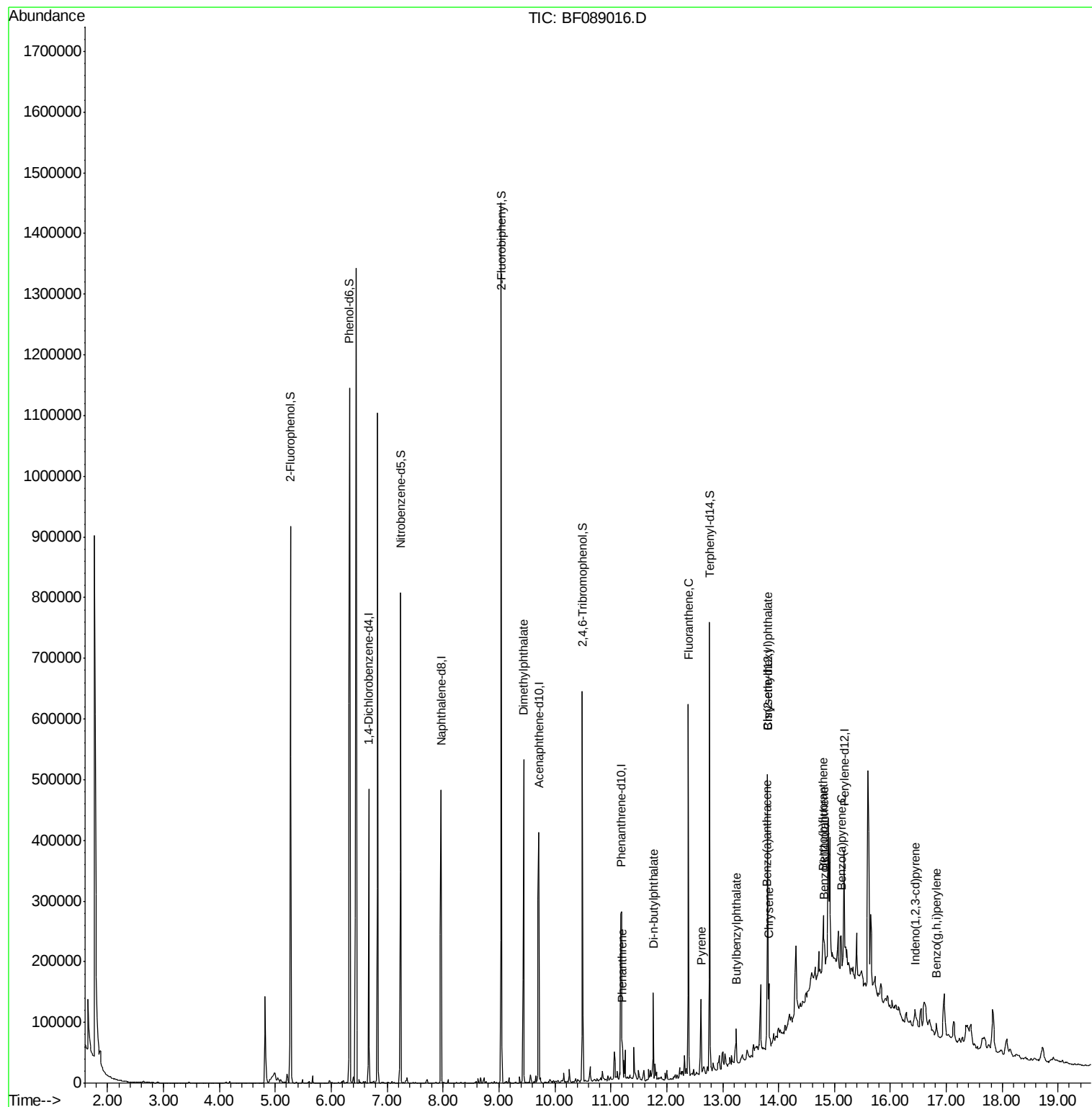
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	62785	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	251313	20.00	ng	0.00
38) Acenaphthene-d10	9.71	164	101300	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	148128	20.00	ng	0.00
75) Chrysene-d12	13.81	240	110352	20.00	ng	-0.01
86) Perylene-d12	15.18	264	90503	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	306886	73.25	ng	0.00
7) Phenol-d6	6.33	99	448660	82.88	ng	0.00
23) Nitrobenzene-d5	7.24	82	287774	60.01	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	55022	58.49	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	390715	60.92	ng	0.00
78) Terphenyl-d14	12.77	244	194486	39.25	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.44	163	217175	30.09	ng	99
70) Phenanthrene	11.21	178	32194	3.98	ng	98
73) Di-n-butylphthalate	11.76	149	68757	7.80	ng	98
74) Fluoranthene	12.39	202	71445	8.70	ng	95
77) Pyrene	12.62	202	67046	7.17	ng	98
79) Butylbenzylphthalate	13.25	149	13154	3.15	ng	90
80) Benzo(a)anthracene	13.79	228	34255m	4.82	ng	
82) Chrysene	13.83	228	36909m	5.25	ng	
83) Bis(2-ethylhexyl)phthalate	13.81	149	12043	2.53	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.45	276	15235	2.82	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	41812m	7.36	ng	
88) Benzo(k)fluoranthene	14.82	252	12710m	2.57	ng	
89) Benzo(a)pyrene	15.12	252	28057	5.84	ng	# 96
91) Benzo(a,h,i)perylene	16.82	276	14343	3.45	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 445

Delta R.T. 0.00 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2in)

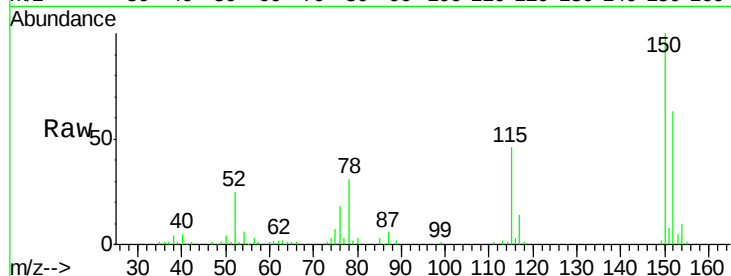
Tot Ion:152 Resp: 62785

Ion Ratio Lower Upper

152 100

150 159.2 123.8 185.6

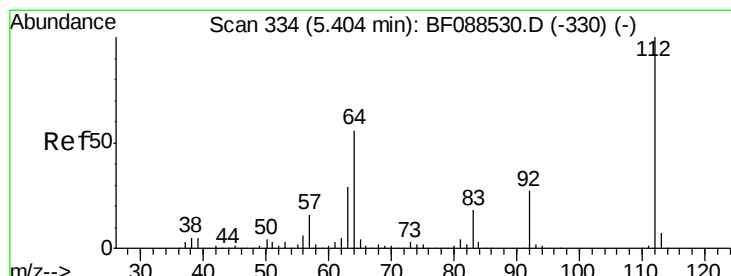
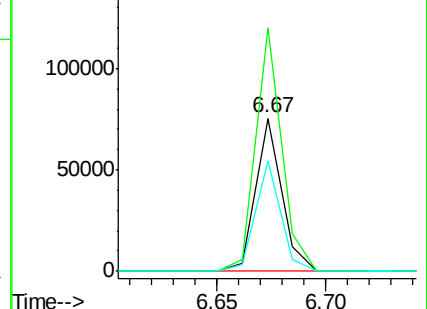
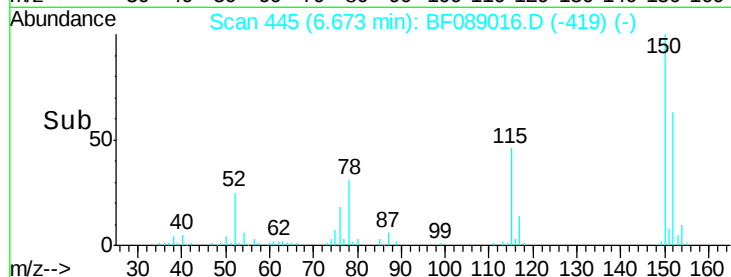
115 72.6 39.6 59.4#



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: 73.25 ng

RT: 5.27 min Scan# 322

Delta R.T. 0.00 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

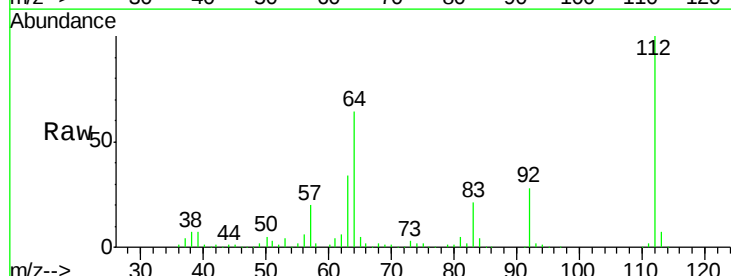
Tgt Ion:112 Resp: 306886

Ion Ratio Lower Upper

112 100

64 64.3 42.2 63.2#

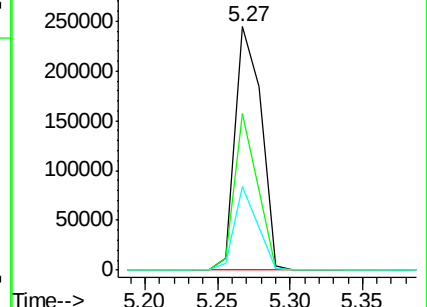
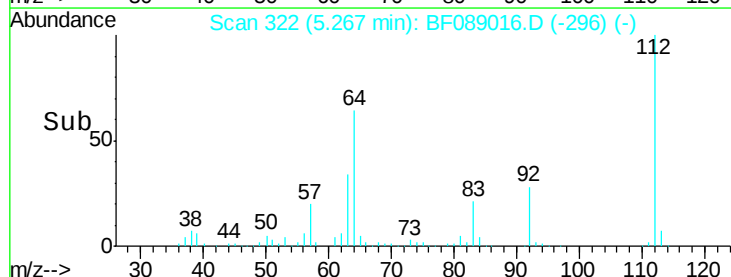
63 34.4 21.8 32.8#



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: 82.88 ng

RT: 6.33 min Scan# 415

Delta R.T. 0.00 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2in)

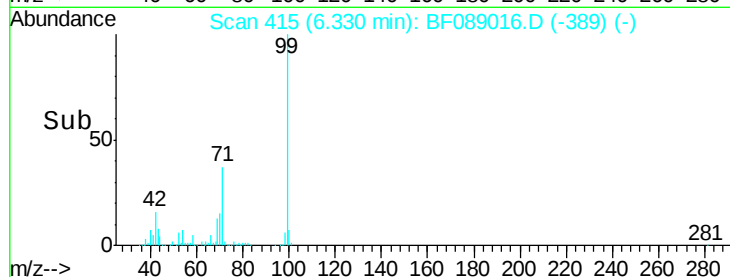
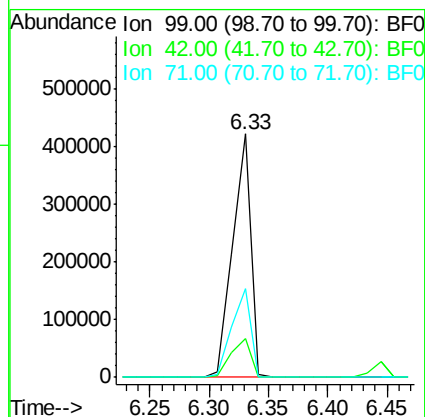
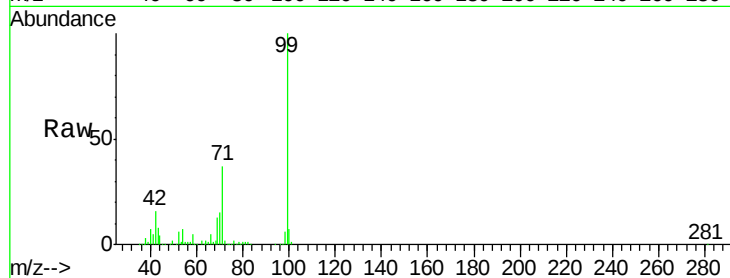
Tot Ion: 99 Resp: 448660

Ion Ratio Lower Upper

99 100

42 16.1 12.2 18.2

71 36.7 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. 0.00 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

Tgt Ion: 136 Resp: 251313

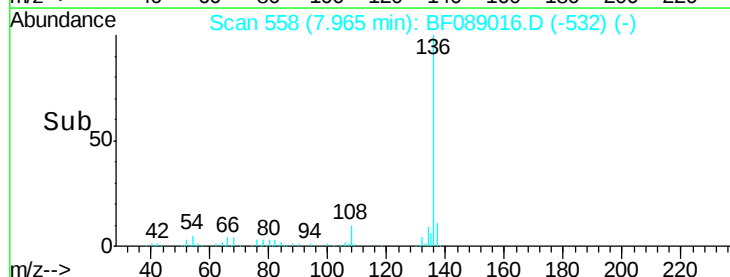
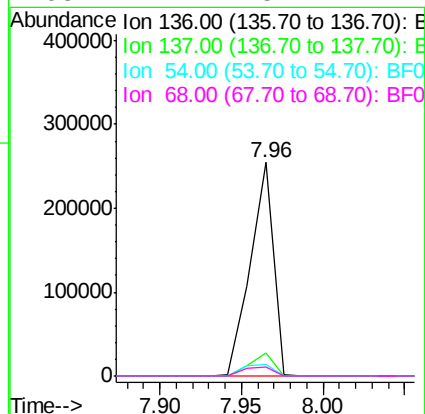
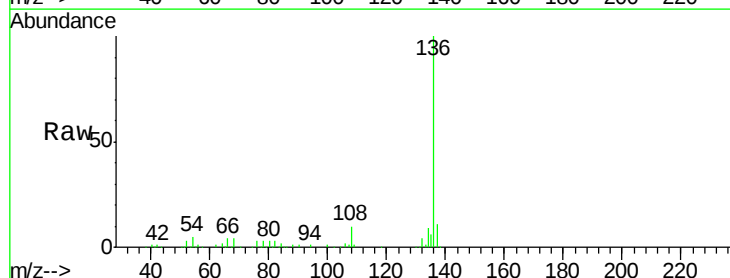
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.3 6.6 10.0#

68 4.2 5.1 7.7#

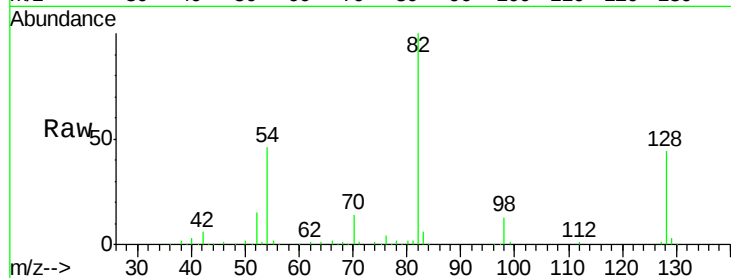




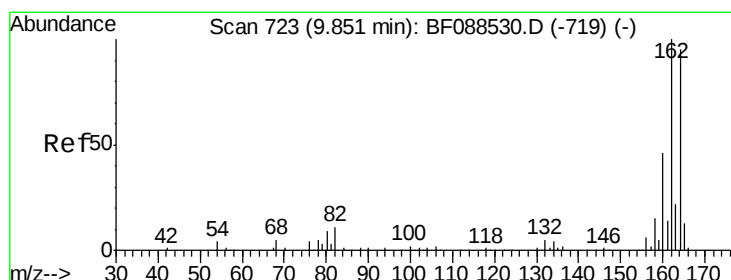
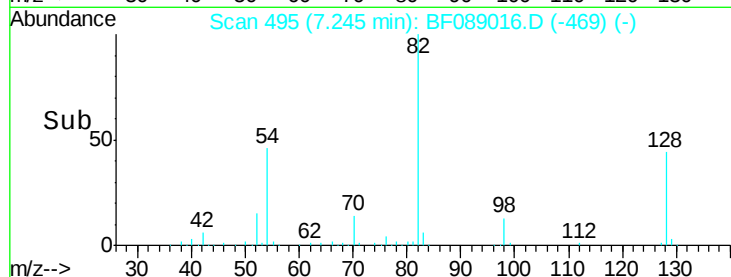
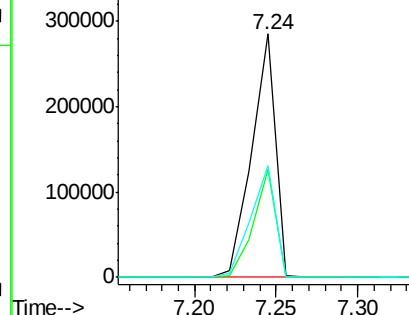
#23
 Nitrobenzene-d5
 Concen: 60.01 ng
 RT: 7.24 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: BF089016.D
 Acq: 15 Jul 2016 14:54

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB10(0-2in)

Tot Ion: 82 Resp: 287774
 Ion Ratio Lower Upper
 82 100
 128 44.4 35.9 53.9
 54 46.2 40.9 61.3

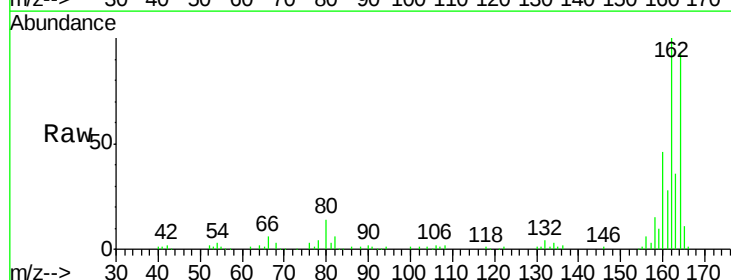


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

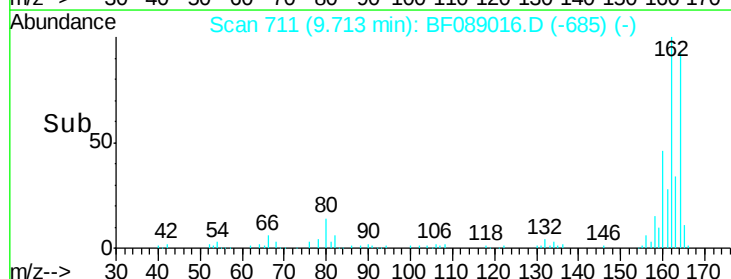
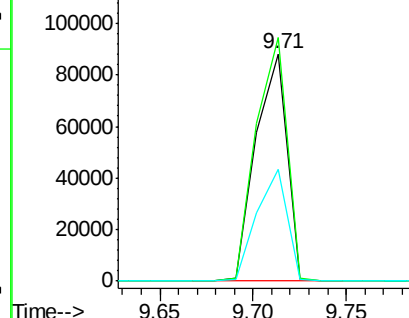


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BF089016.D
 Acq: 15 Jul 2016 14:54

Tgt Ion:164 Resp: 101300
 Ion Ratio Lower Upper
 164 100
 162 107.1 85.4 128.2
 160 48.9 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

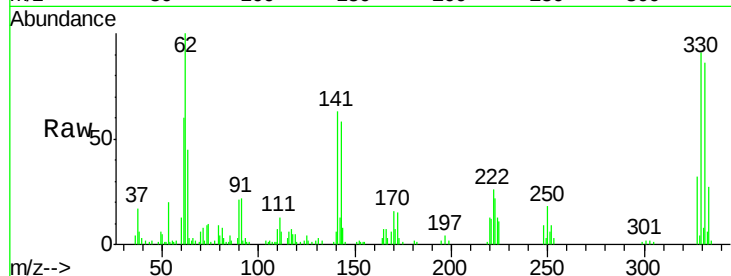




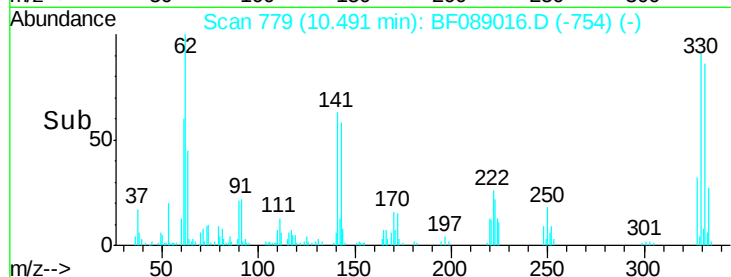
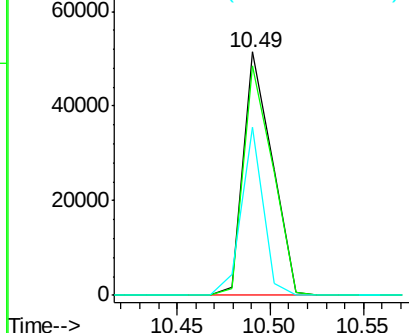
#41
 2,4,6-Tribromophenol
 Concen: 58.49 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089016.D
 Acq: 15 Jul 2016 14:54

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB10(0-2in)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	0.0	0.0#
141	52.9	0.0	0.0#

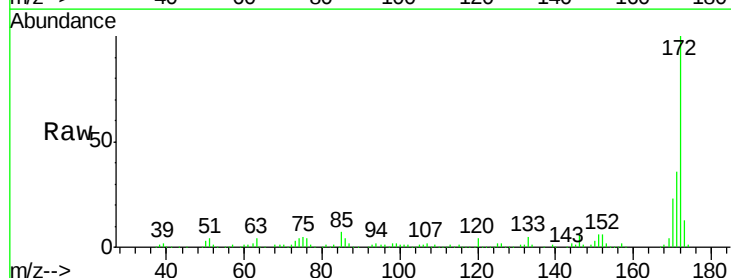


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

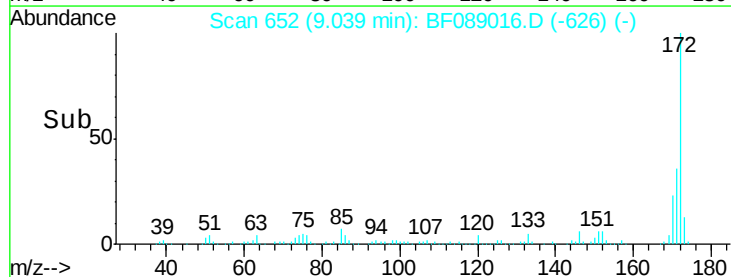
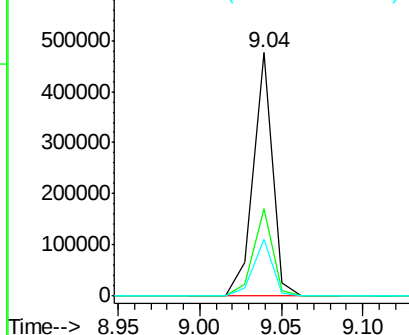


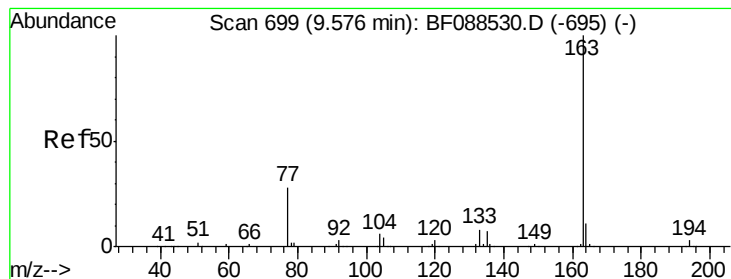
#44
 2-Fluorobiphenyl
 Concen: 60.92 ng
 RT: 9.04 min Scan# 652
 Delta R.T. 0.00 min
 Lab File: BF089016.D
 Acq: 15 Jul 2016 14:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	23.5	19.2	28.8



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: 30.09 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2in)

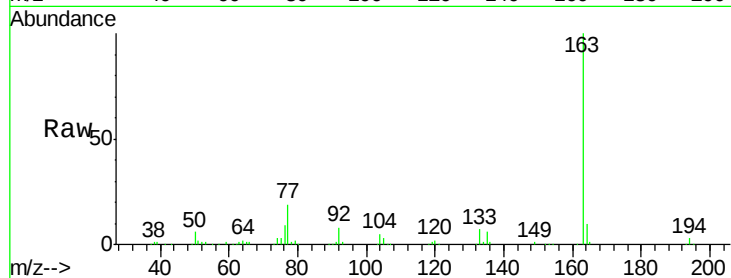
Tot Ion:163 Resp: 217175

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

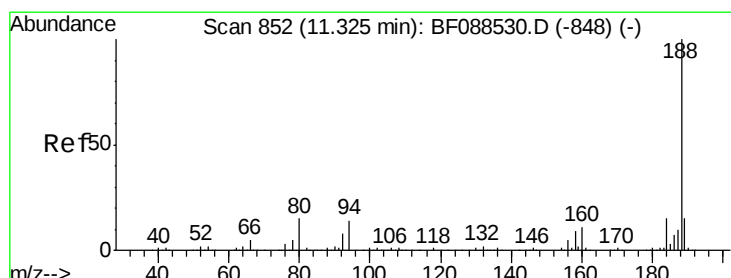
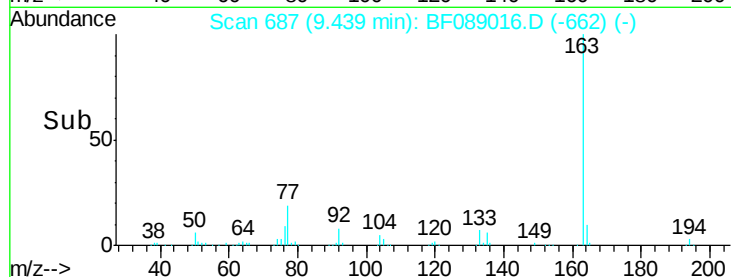
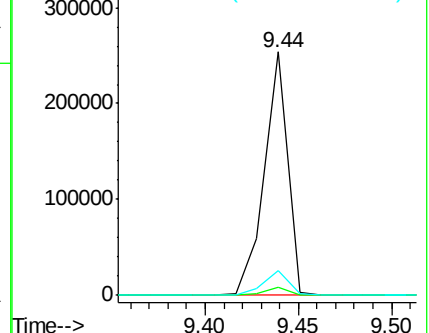
164 9.9 8.3 12.5



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: 11.19 min Scan# 840

Delta R.T. 0.00 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

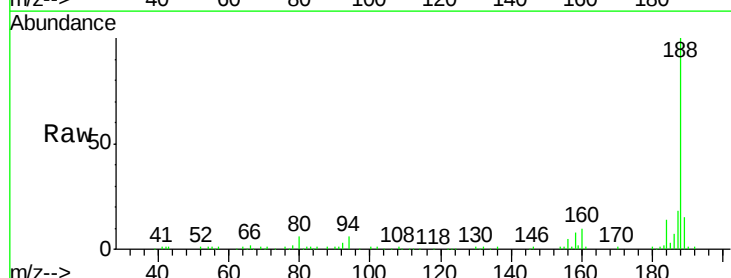
Tgt Ion:188 Resp: 148128

Ion Ratio Lower Upper

188 100

94 5.7 9.0 13.6#

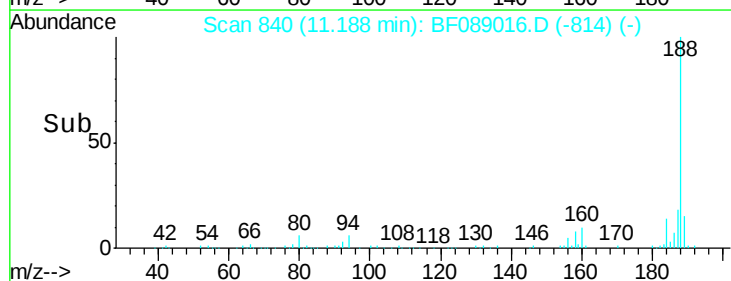
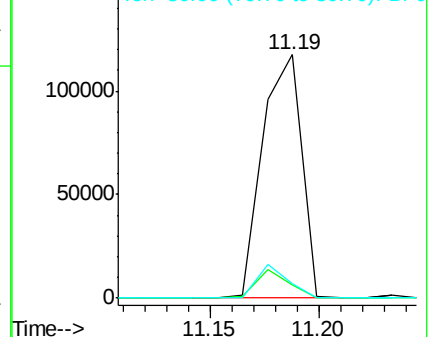
80 6.0 10.0 15.0#



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

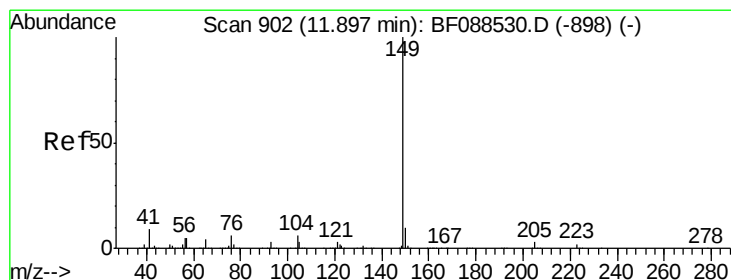
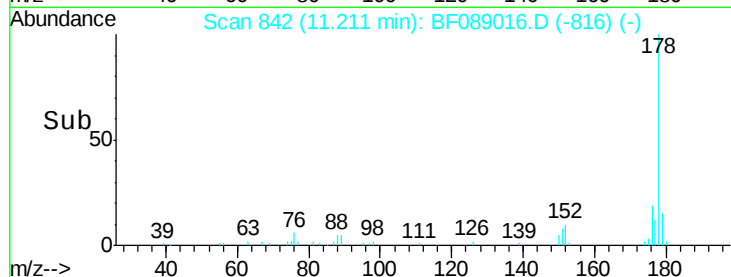
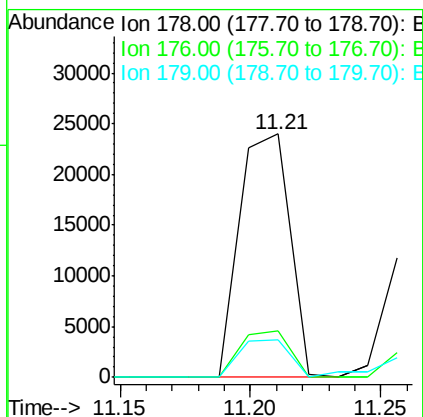
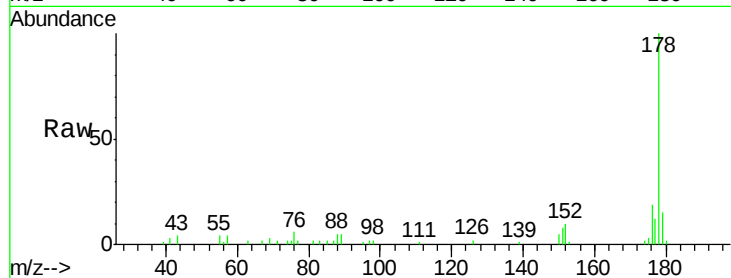




#70
Phenanthrene
Concen: 3.98 ng
RT: 11.21 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF089016.D
Acq: 15 Jul 2016 14:54

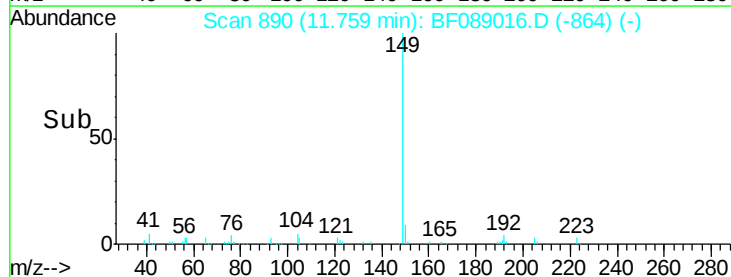
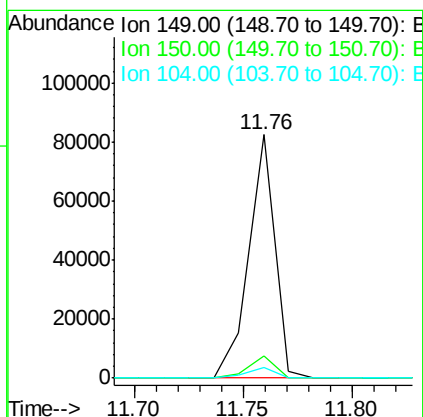
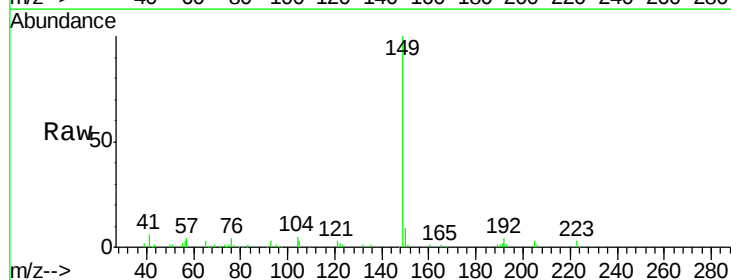
Instrument :
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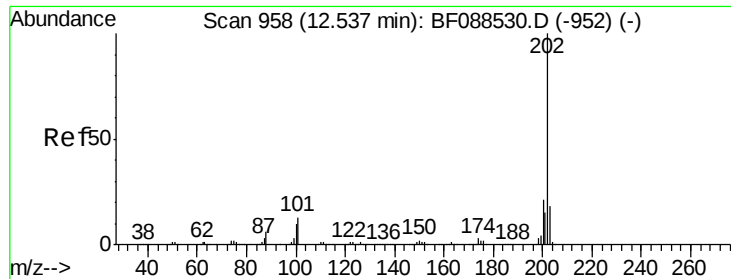
Tot Ion:178 Resp: 32194
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.3 13.0 19.4



#73
Di-n-butylphthalate
Concen: 7.80 ng
RT: 11.76 min Scan# 890
Delta R.T. 0.00 min
Lab File: BF089016.D
Acq: 15 Jul 2016 14:54

Tgt Ion:149 Resp: 68757
Ion Ratio Lower Upper
149 100
150 8.9 7.8 11.6
104 4.6 4.0 6.0





#74

Fluoranthene

Concen: 8.70 ng

RT: 12.39 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2in)

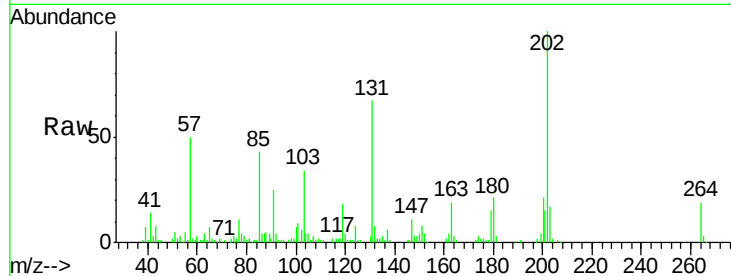
Tot Ion:202 Resp: 71445

Ion Ratio Lower Upper

202 100

101 9.5 0.0 33.1

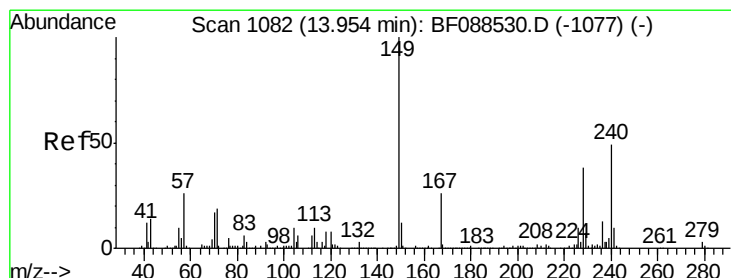
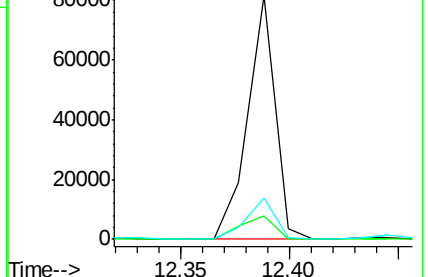
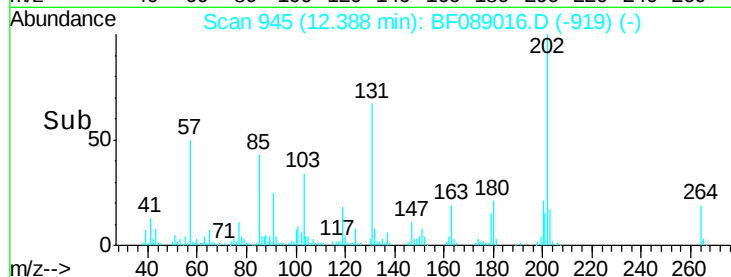
203 17.0 0.0 38.1



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: 13.81 min Scan# 1069

Delta R.T. -0.01 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

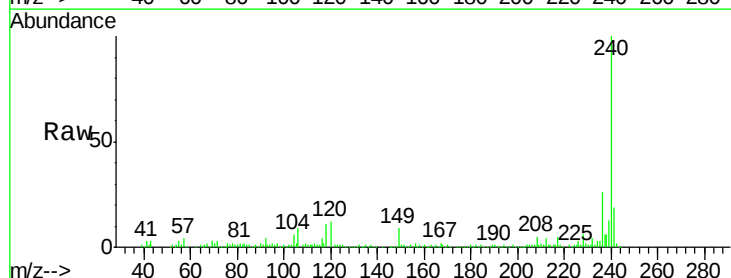
Tgt Ion:240 Resp: 110352

Ion Ratio Lower Upper

240 100

120 12.3 6.8 10.2#

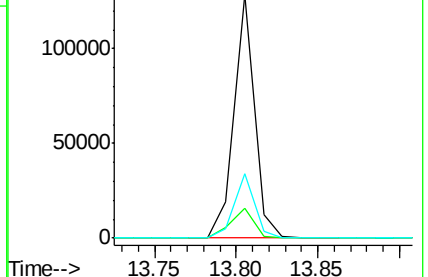
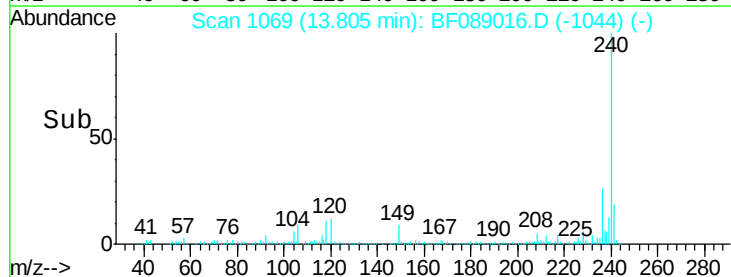
236 26.2 20.2 30.2

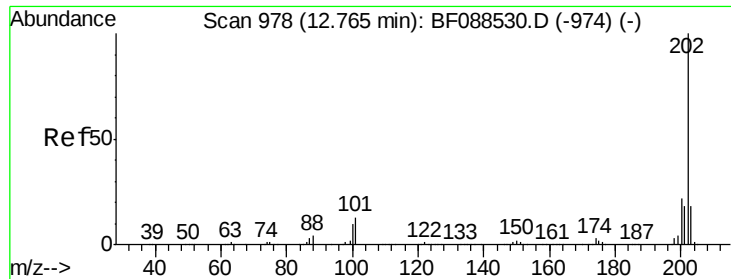


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

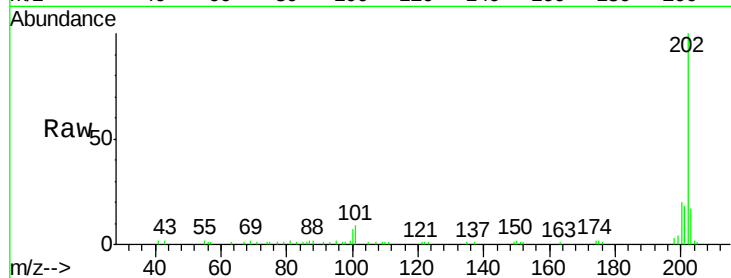




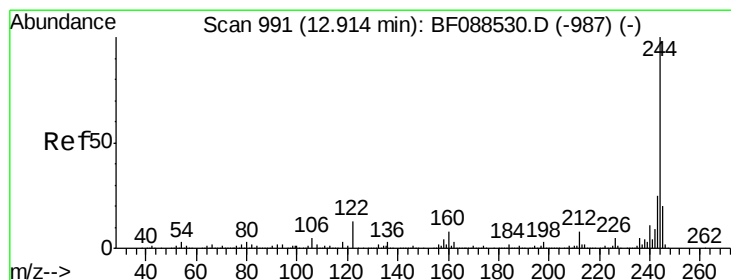
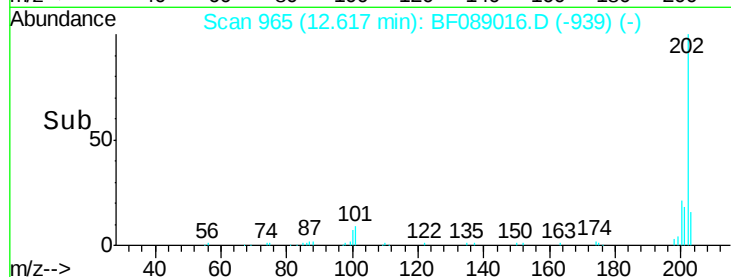
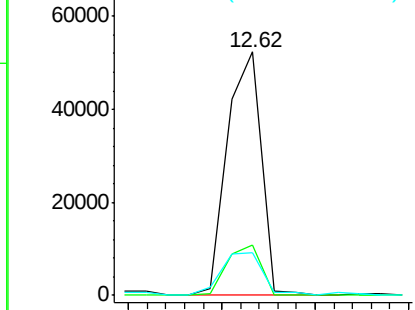
#77
 Pvrene
 Concen: 7.17 ng
 RT: 12.62 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: BF089016.D
 Acq: 15 Jul 2016 14:54

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB10(0-2in)

Tot Ion:202 Resp: 67046
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.4 26.2
 203 17.4 14.5 21.7

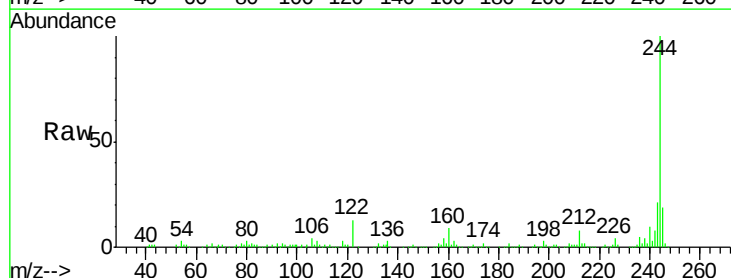


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

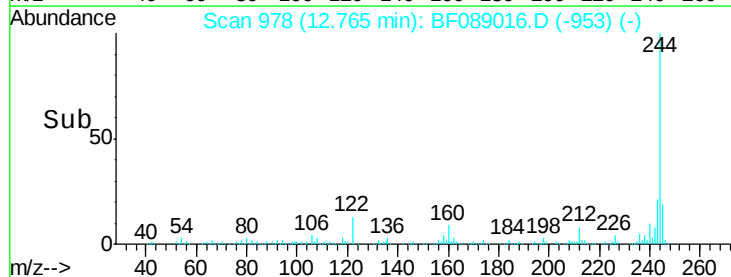
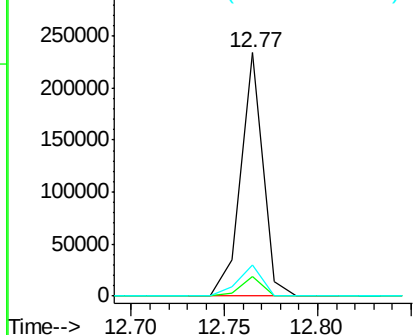


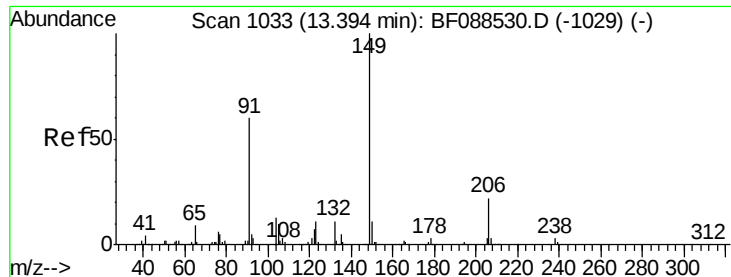
#78
 Terphenyl-d14
 Concen: 39.25 ng
 RT: 12.77 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: BF089016.D
 Acq: 15 Jul 2016 14:54

Tgt Ion:244 Resp: 194486
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.0 9.0
 122 12.6 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: 3.15 ng

RT: 13.25 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2in)

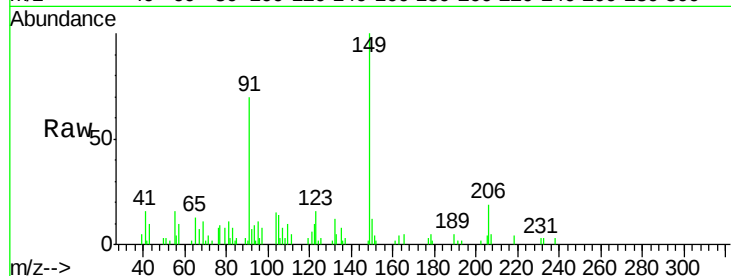
Tot Ion:149 Resp: 13154

Ion Ratio Lower Upper

149 100

91 69.8 48.0 72.0

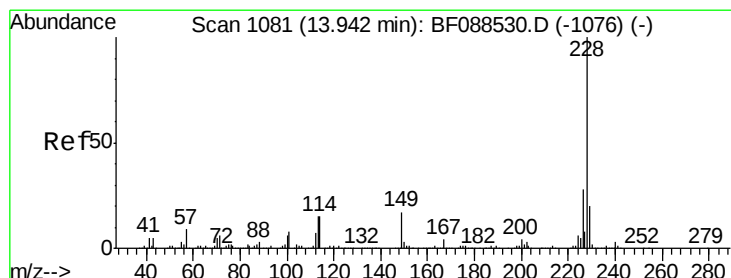
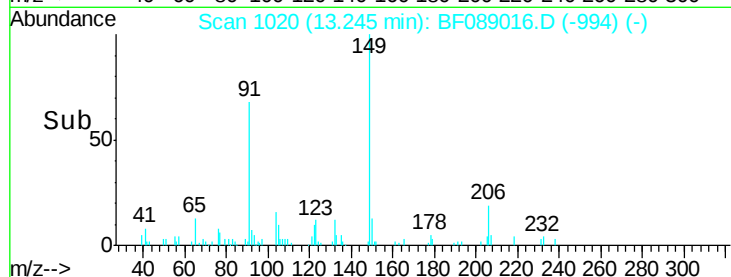
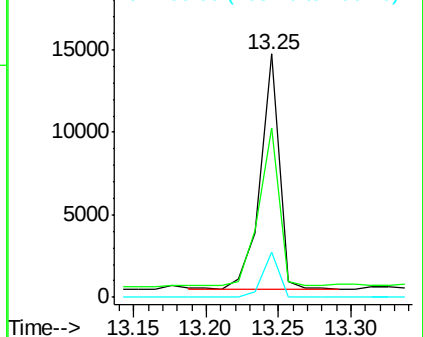
206 18.6 16.0 24.0



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: 4.82 ng m

RT: 13.79 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

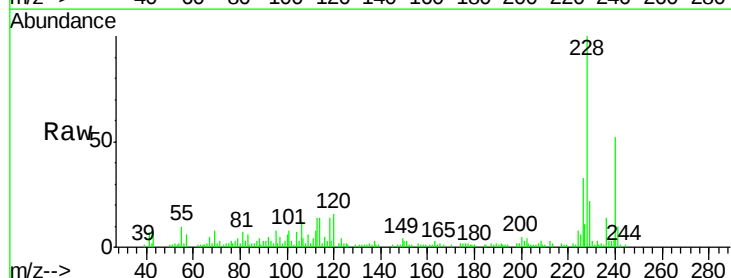
Tgt Ion:228 Resp: 34255

Ion Ratio Lower Upper

228 100

226 32.9 22.3 33.5

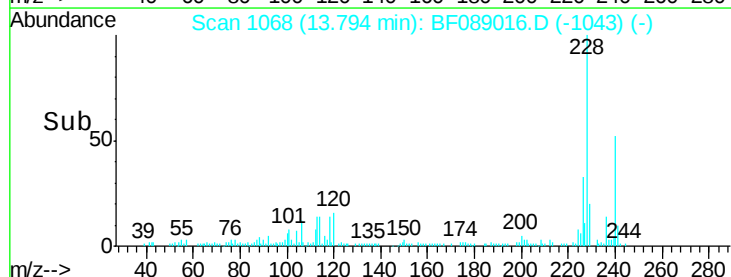
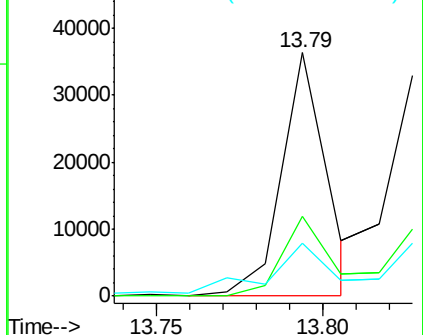
229 21.7 16.0 24.0

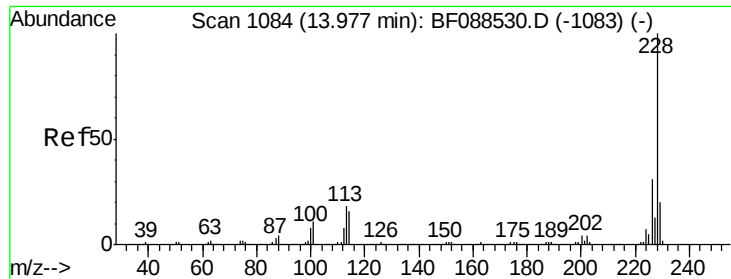


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

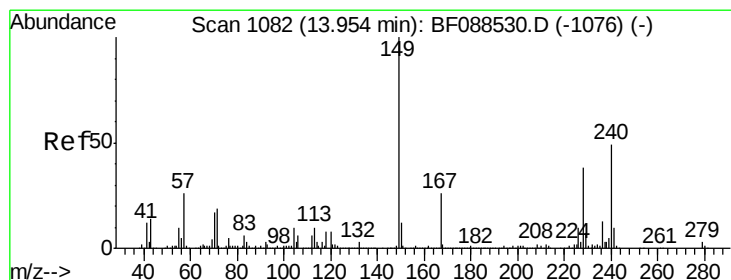
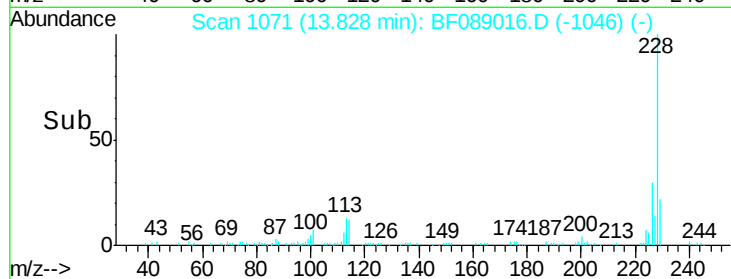
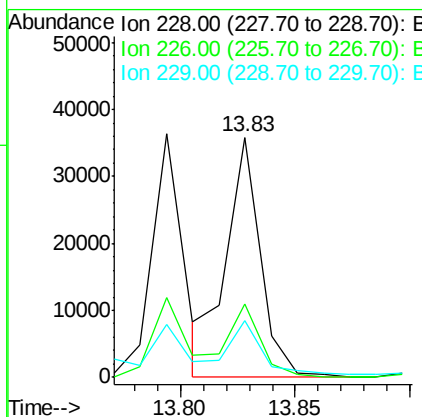
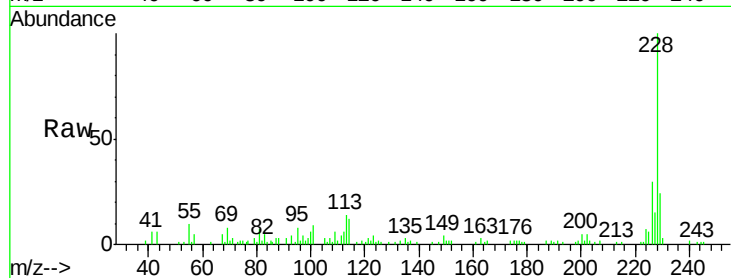




#82
Chrysene
Concen: 5.25 ng/ml
RT: 13.83 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BF089016.D
Acq: 15 Jul 2016 14:54

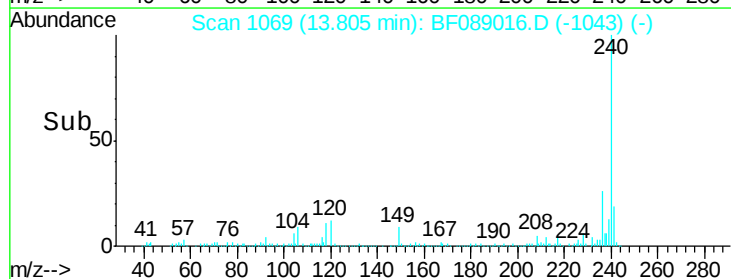
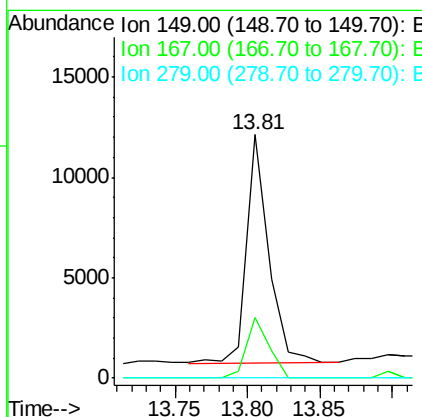
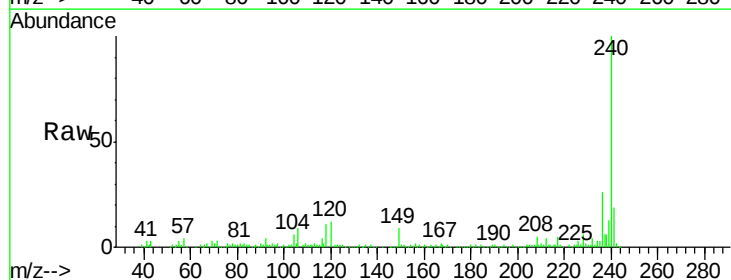
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB10(0-2in)

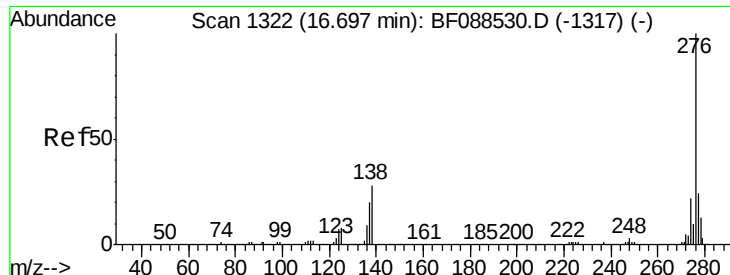
Tot Ion: 228 Resp: 36909
Ion Ratio Lower Upper
228 100
226 30.5 25.4 38.2
229 23.8 16.3 24.5



#83
Bis(2-ethylhexyl)phthalate
Concen: 2.53 ng
RT: 13.81 min Scan# 1069
Delta R.T. 0.00 min
Lab File: BF089016.D
Acq: 15 Jul 2016 14:54

Tgt Ion: 149 Resp: 12043
Ion Ratio Lower Upper
149 100
167 25.1 20.5 30.7
279 0.0 2.0 3.0#

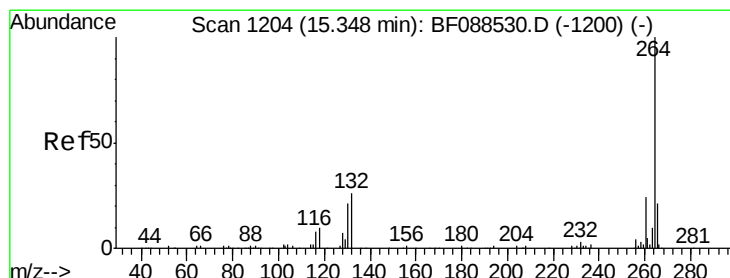
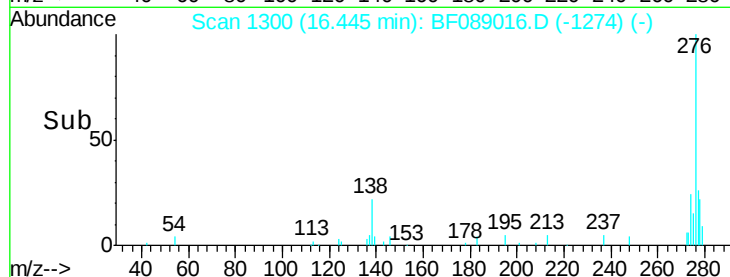
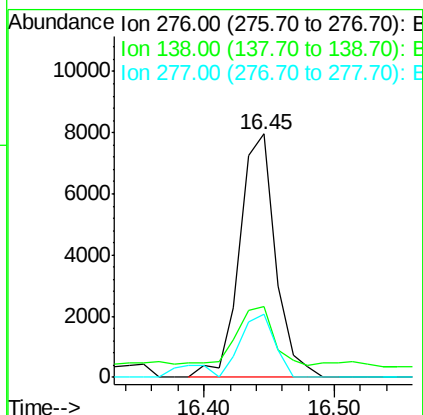
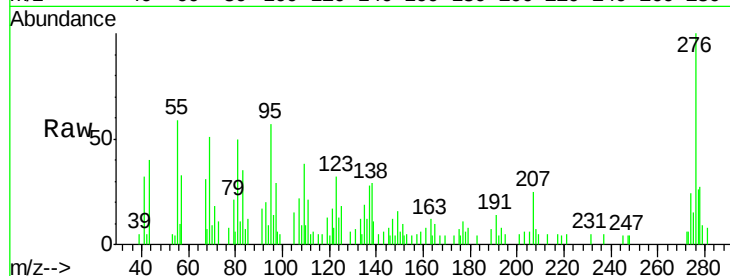




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.82 ng
 RT: 16.45 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: BF089016.D
 Acq: 15 Jul 2016 14:54

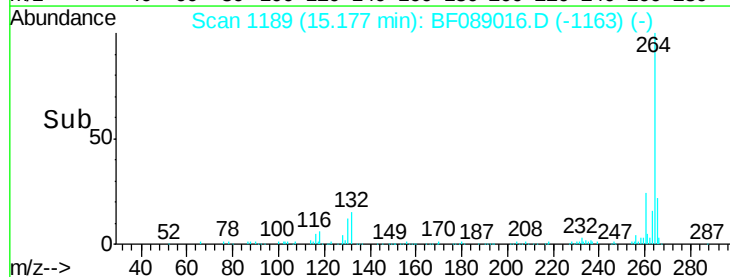
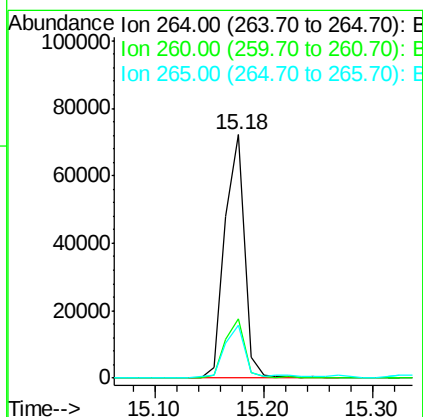
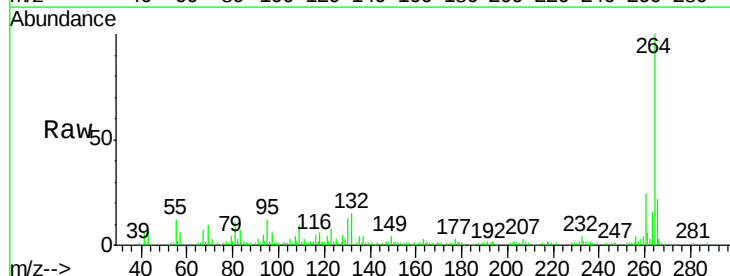
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB10(0-2in)

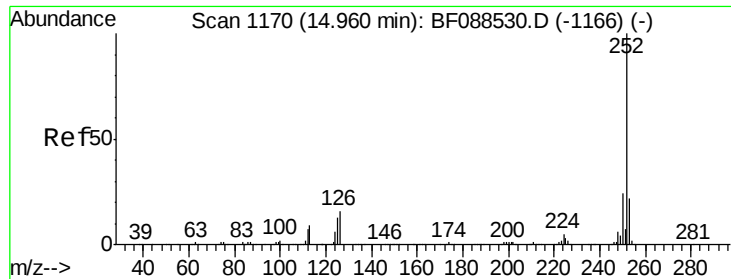
Tot Ion:276 Resp: 15235
 Ion Ratio Lower Upper
 276 100
 138 24.0 0.0 0.0#
 277 24.5 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.18 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF089016.D
 Acq: 15 Jul 2016 14:54

Tgt Ion:264 Resp: 90503
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.9 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 7.36 ng m

RT: 14.80 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2in)

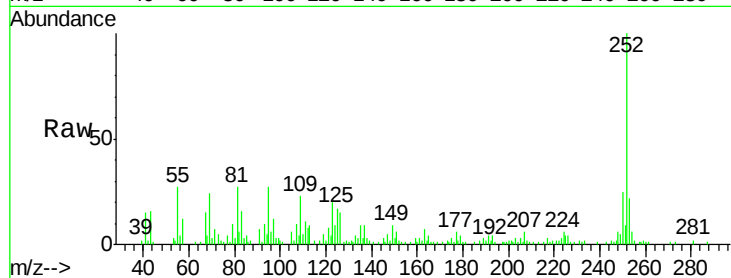
Tot Ion:252 Resp: 41812

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

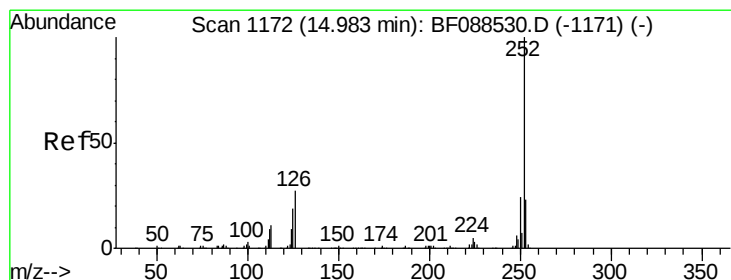
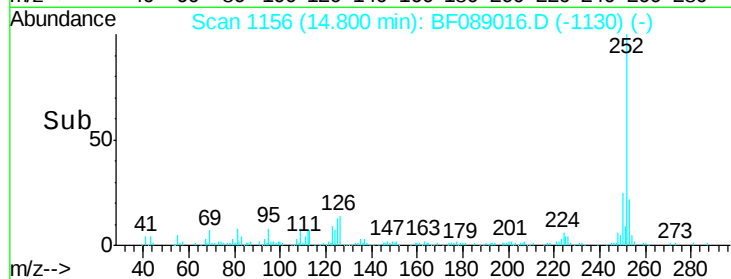
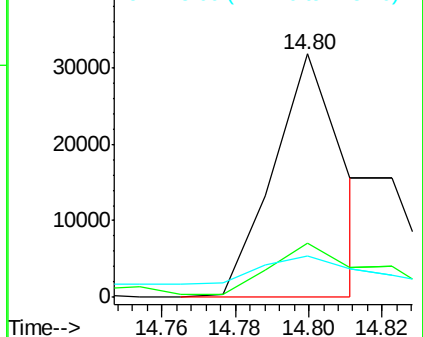
125 17.1 7.1 10.7#



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: 2.57 ng m

RT: 14.82 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BF089016.D

Acq: 15 Jul 2016 14:54

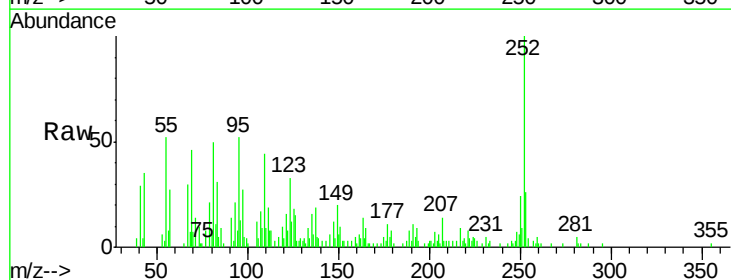
Tgt Ion:252 Resp: 12710

Ion Ratio Lower Upper

252 100

253 26.1 18.0 27.0

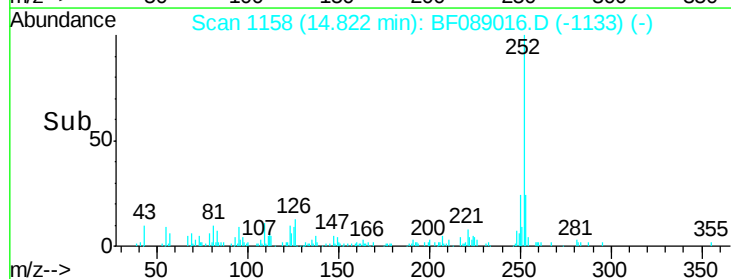
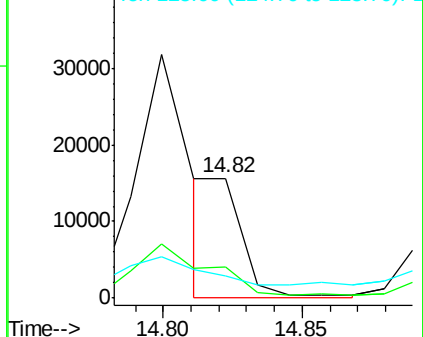
125 18.1 11.2 16.8#

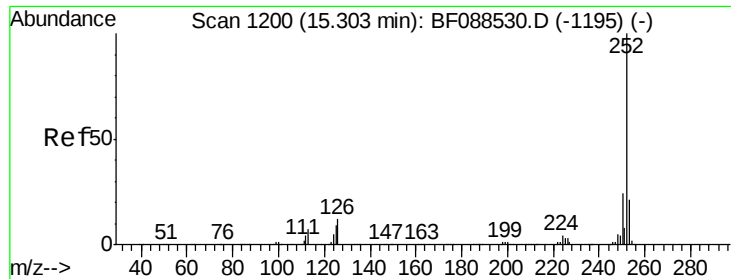


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

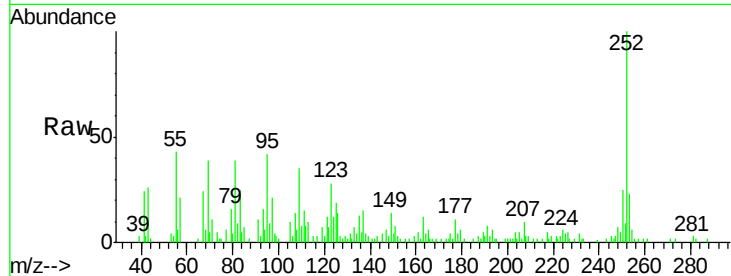




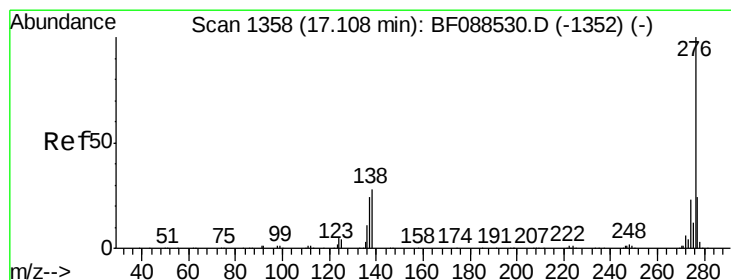
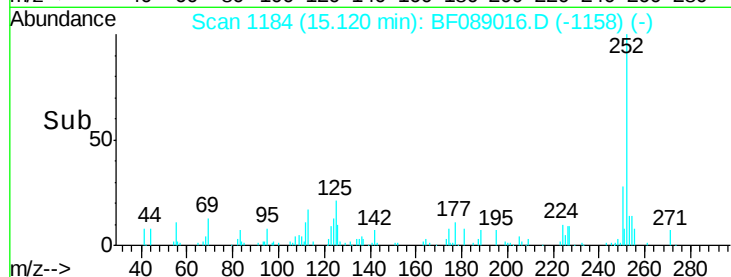
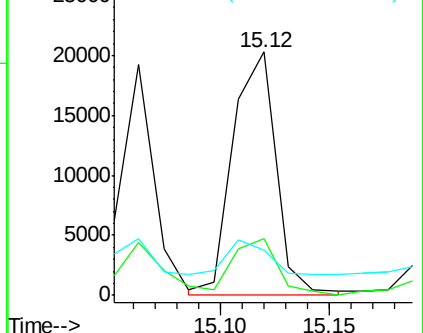
#89
Benzo(a)pyrene
Concen: 5.84 ng
RT: 15.12 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF089016.D
Acq: 15 Jul 2016 14:54

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB10(0-2in)

Tot Ion:252 Resp: 28057
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 18.7 12.5 18.7#

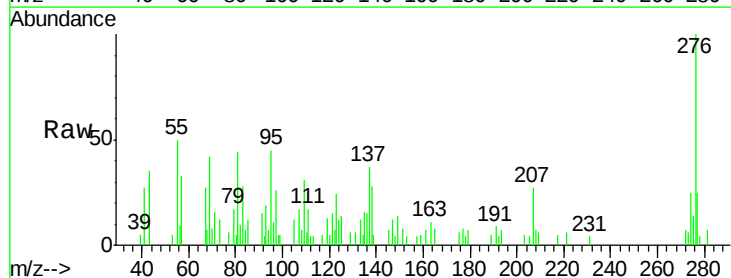


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.45 ng
RT: 16.82 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF089016.D
Acq: 15 Jul 2016 14:54

Tgt Ion:276 Resp: 14343
Ion Ratio Lower Upper
276 100
277 24.8 18.9 28.3
138 27.6 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

