

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
 Data File : BF089029.D
 Acq On : 15 Jul 2016 21:31
 Operator : UM/SJ
 Sample : H3951-10 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Jul 16 01:52:32 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 16 00:31:51 2016
 Response via : Initial Calibration

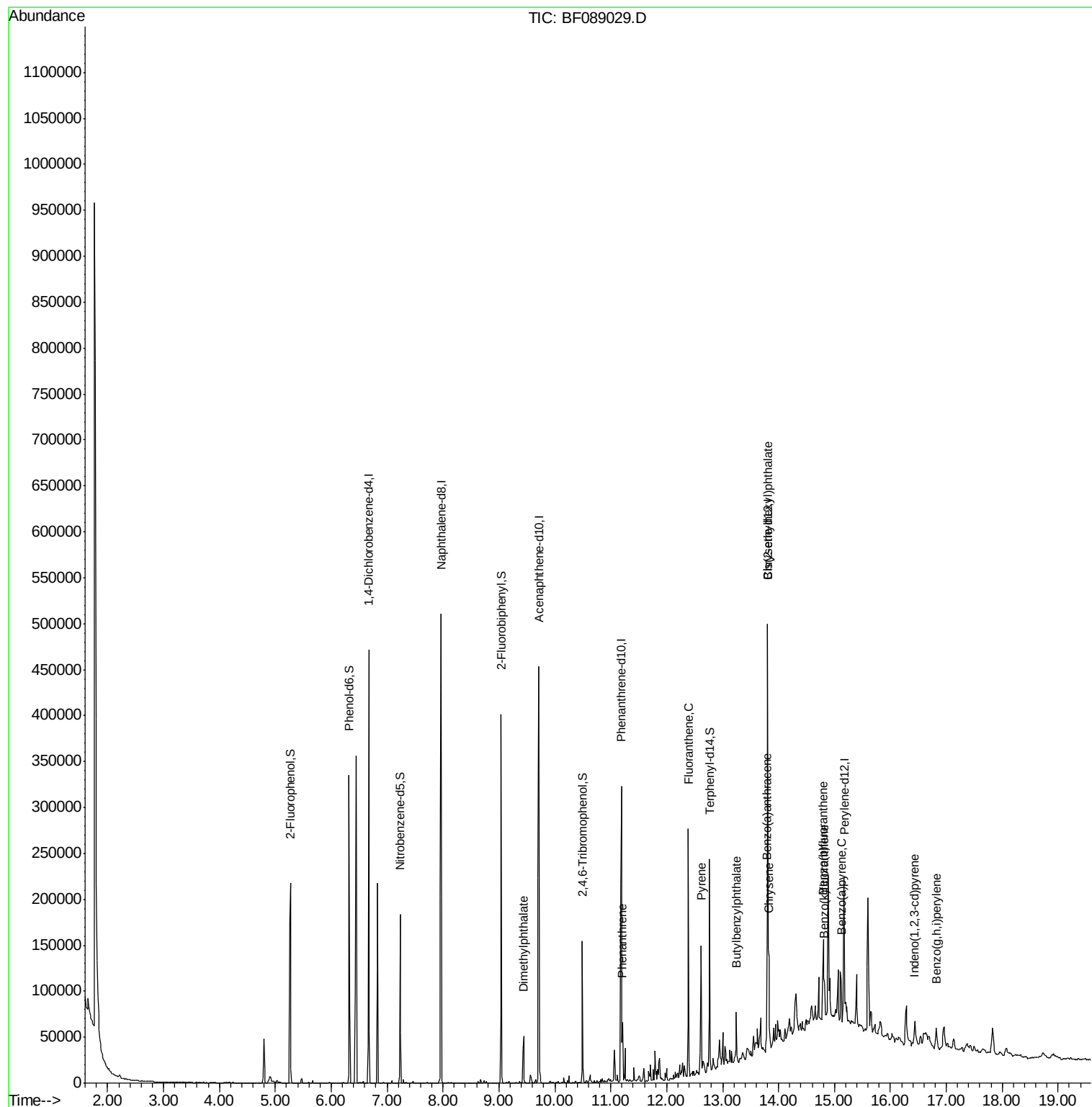
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	63047	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	248990	20.00	ng	0.00
38) Acenaphthene-d10	9.71	164	97538	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	148177	20.00	ng	0.00
75) Chrysene-d12	13.81	240	111262	20.00	ng	-0.01
86) Perylene-d12	15.18	264	79933	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	81942	19.48	ng	0.00
7) Phenol-d6	6.32	99	104020	19.14	ng	-0.01
23) Nitrobenzene-d5	7.23	82	60443	12.72	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	12705	14.03	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	115364	18.68	ng	0.00
78) Terphenyl-d14	12.77	244	62724	12.56	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.44	163	26361	3.79	ng	99
70) Phenanthrene	11.21	178	32258	3.98	ng	98
74) Fluoranthene	12.39	202	77680	9.46	ng	96
77) Pyrene	12.62	202	73775	7.82	ng	97
79) Butylbenzylphthalate	13.25	149	12822	3.05	ng	88
80) Benzo(a)anthracene	13.79	228	43430	6.06	ng	96
82) Chrysene	13.83	228	29428m	4.15	ng	
83) Bis(2-ethylhexyl)phthalate	13.81	149	12664	2.64	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.43	276	15585	2.86	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	40655m	8.11	ng	
88) Benzo(k)fluoranthene	14.82	252	12490m	2.86	ng	
89) Benzo(a)pyrene	15.12	252	26508m	6.24	ng	
91) Benzo(a,h,i)perylene	16.82	276	15864	4.32	ng	96

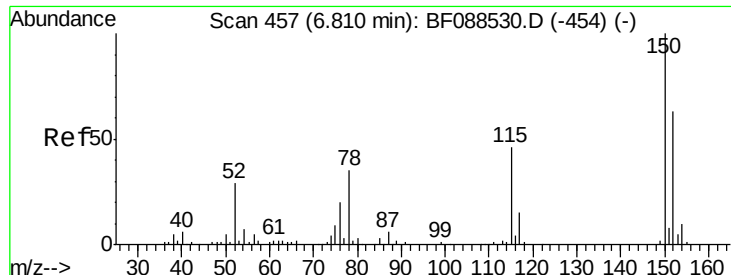
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF089029.D

Acq: 15 Jul 2016 21:31

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

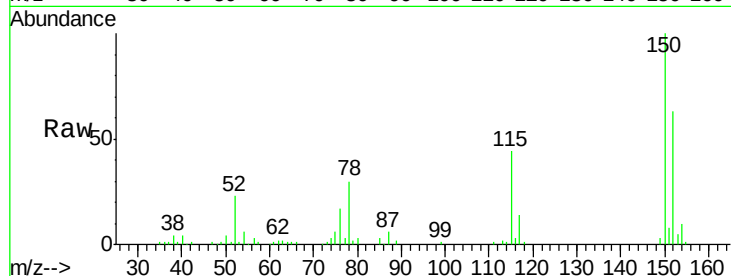
Tot Ion:152 Resp: 63047

Ion Ratio Lower Upper

152 100

150 160.0 123.8 185.6

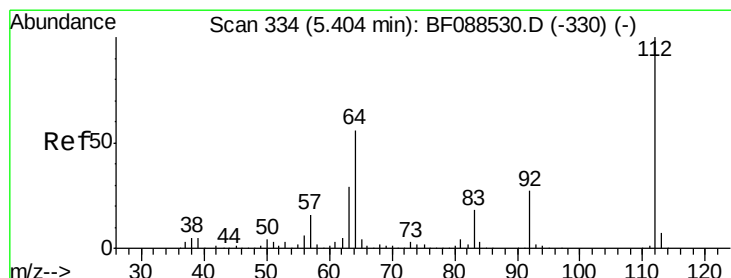
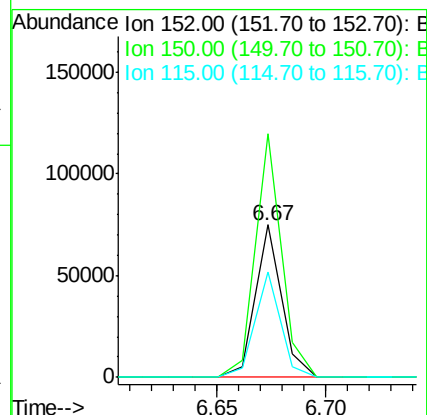
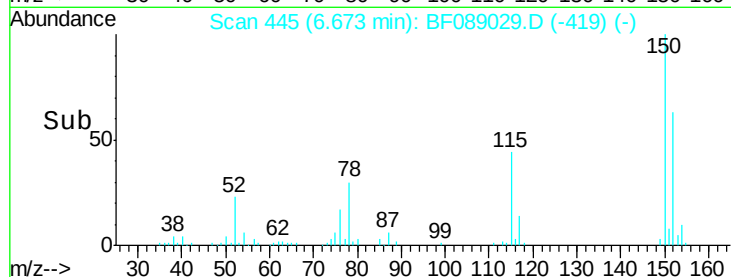
115 69.6 39.6 59.4#



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: 19.48 ng

RT: 5.27 min Scan# 322

Delta R.T. 0.00 min

Lab File: BF089029.D

Acq: 15 Jul 2016 21:31

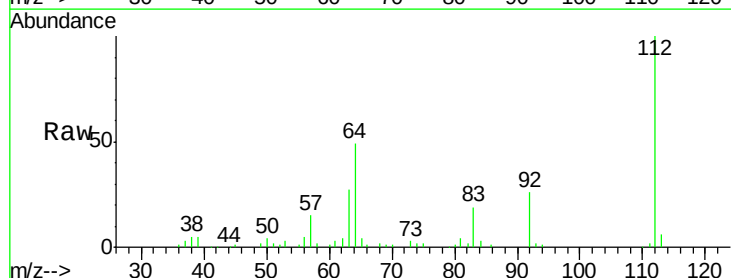
Tgt Ion:112 Resp: 81942

Ion Ratio Lower Upper

112 100

64 49.3 42.2 63.2

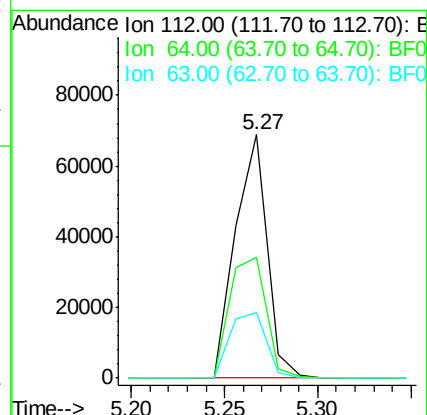
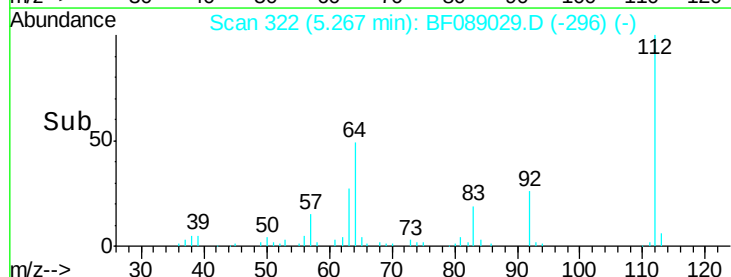
63 26.8 21.8 32.8

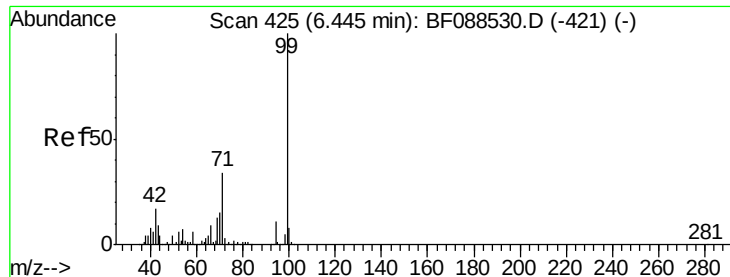


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 19.14 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF089029.D

Acq: 15 Jul 2016 21:31

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

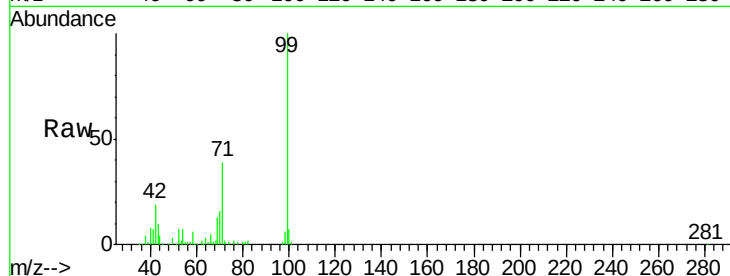
Tot Ion: 99 Resp: 104020

Ion Ratio Lower Upper

99 100

42 19.0 12.2 18.2#

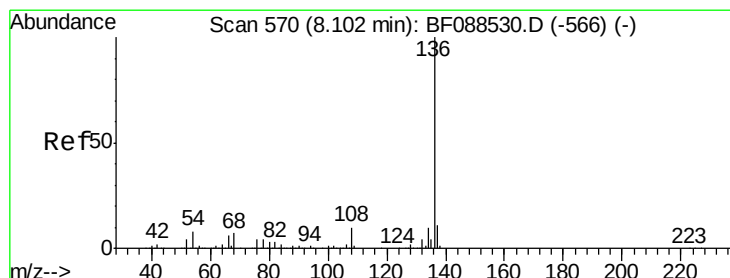
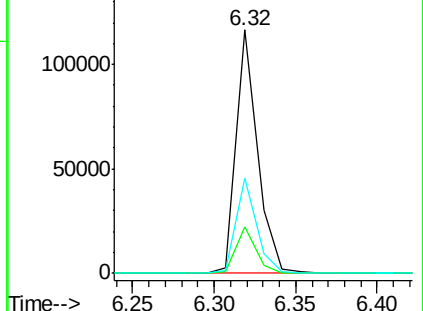
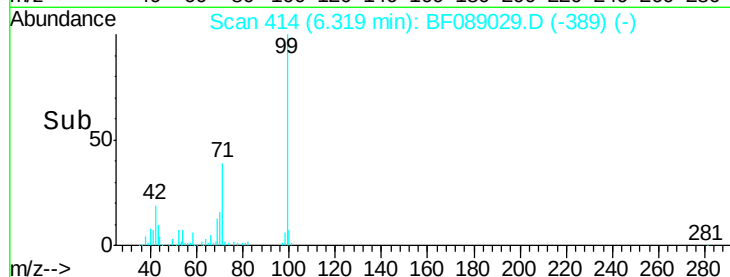
71 39.0 23.4 35.0#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. 0.00 min

Lab File: BF089029.D

Acq: 15 Jul 2016 21:31

Tgt Ion: 136 Resp: 248990

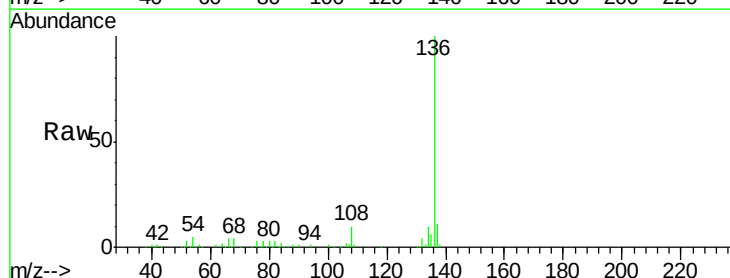
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.5 6.6 10.0#

68 4.4 5.1 7.7#

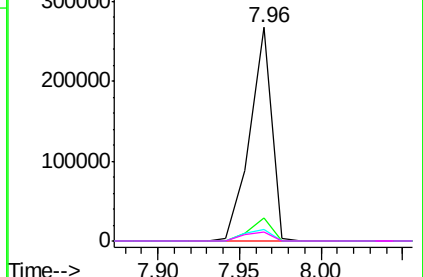
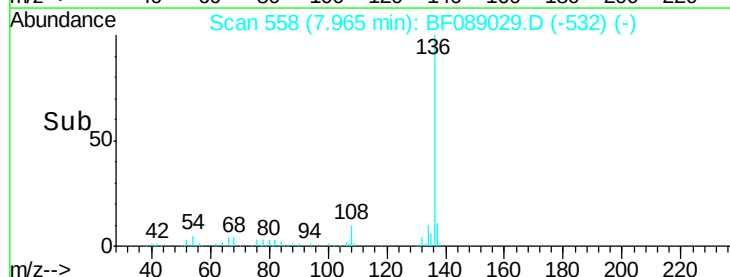


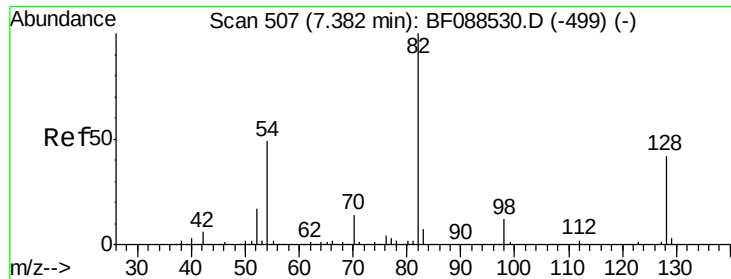
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

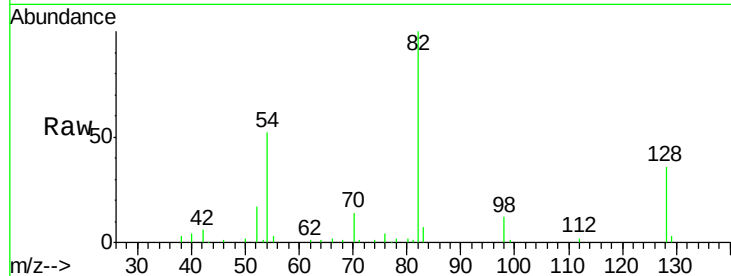




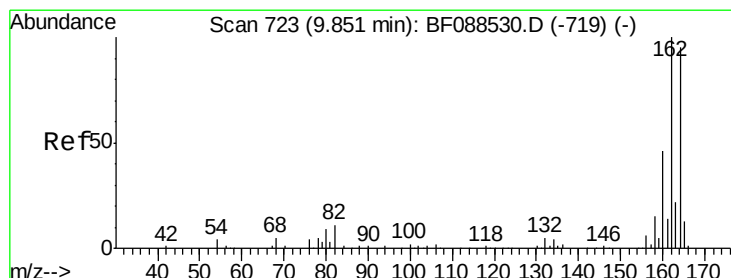
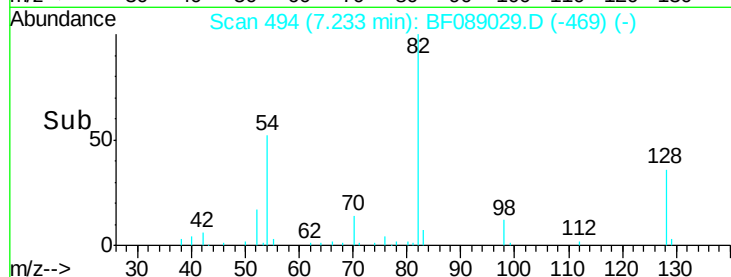
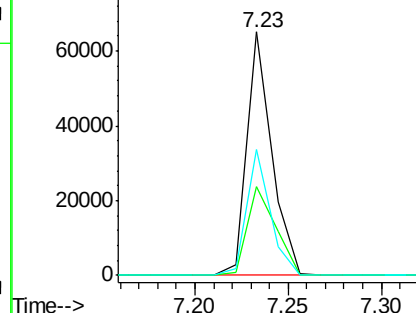
#23
 Nitrobenzene-d5
 Concen: 12.72 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: BF089029.D
 Acq: 15 Jul 2016 21:31

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

Tot Ion	82	Resp	60443
Ion Ratio	Lower	Upper	
82	100		
128	36.3	35.9	53.9
54	51.8	40.9	61.3

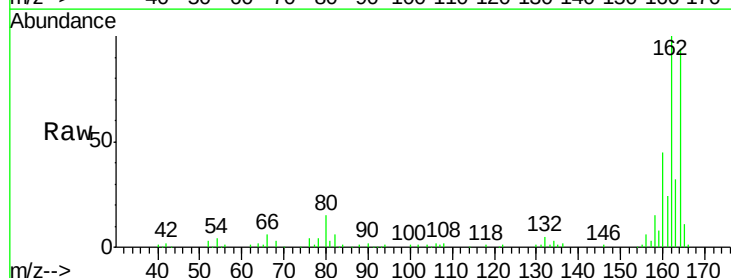


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

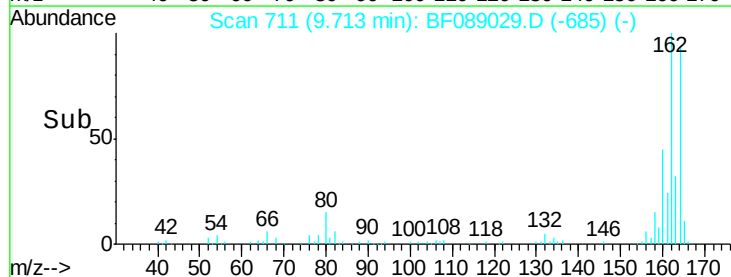
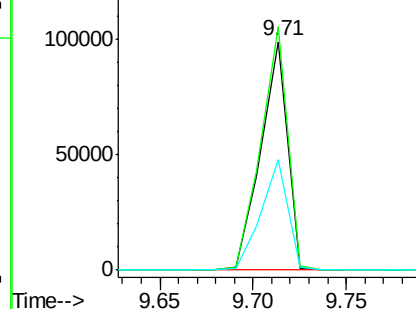


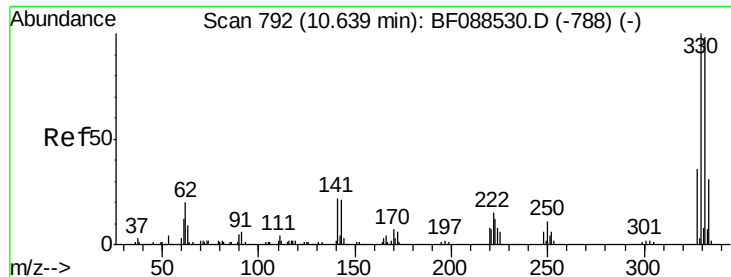
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BF089029.D
 Acq: 15 Jul 2016 21:31

Tgt Ion	164	Resp	97538
Ion Ratio	Lower	Upper	
164	100		
162	106.4	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

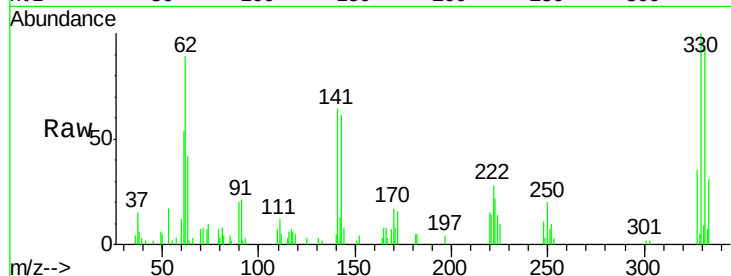




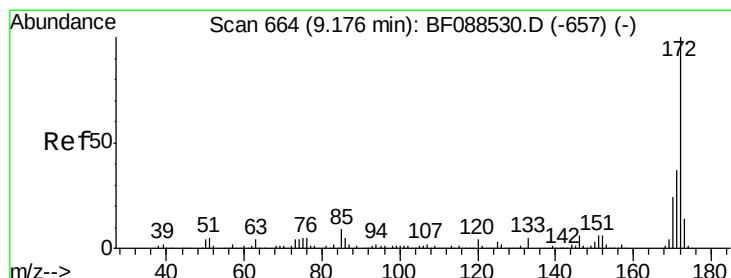
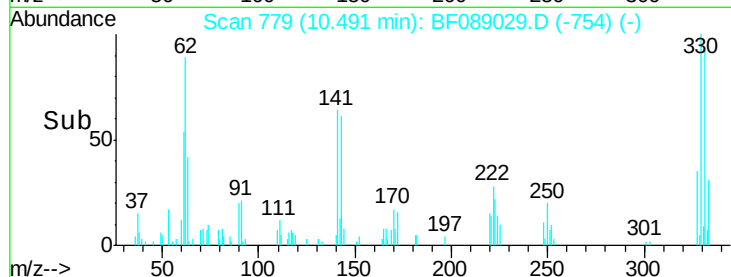
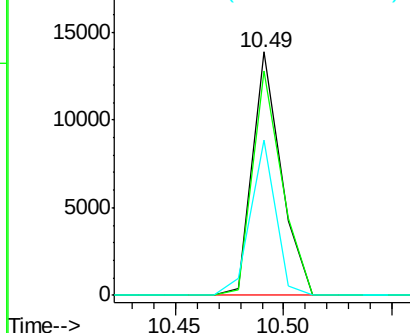
#41
 2,4,6-Tribromophenol
 Concen: 14.03 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089029.D
 Acq: 15 Jul 2016 21:31

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	0.0	0.0#
141	56.3	0.0	0.0#

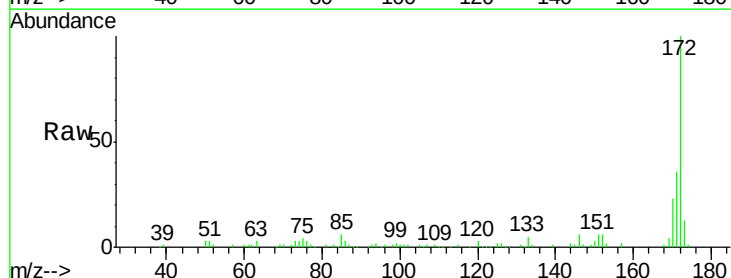


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

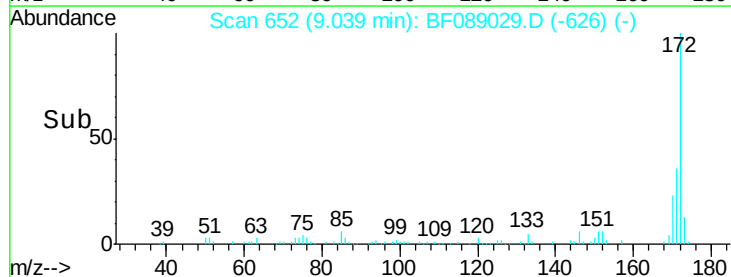
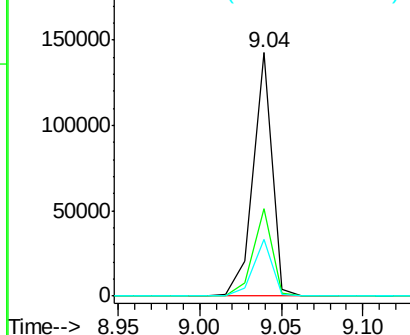


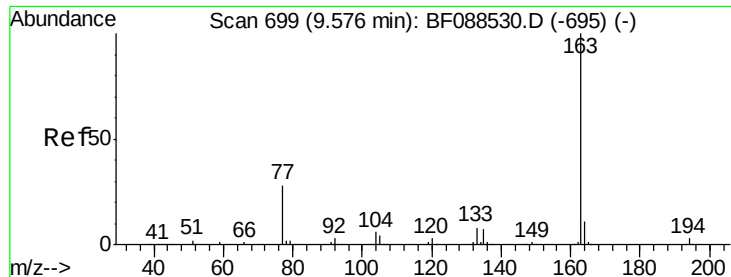
#44
 2-Fluorobiphenyl
 Concen: 18.68 ng
 RT: 9.04 min Scan# 652
 Delta R.T. 0.00 min
 Lab File: BF089029.D
 Acq: 15 Jul 2016 21:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	23.2	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

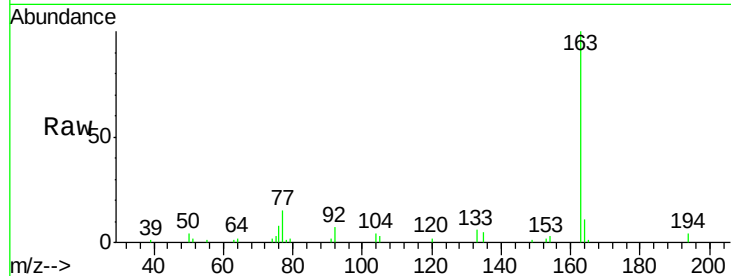




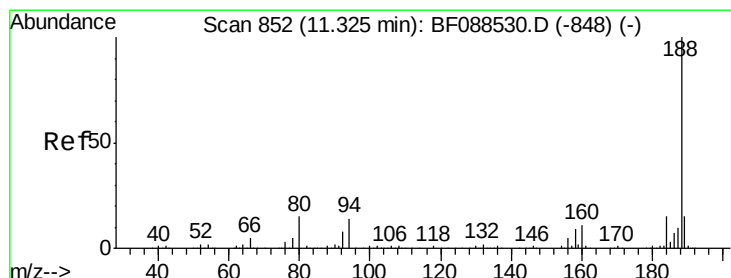
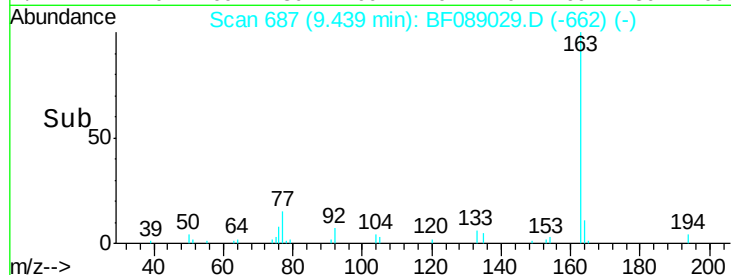
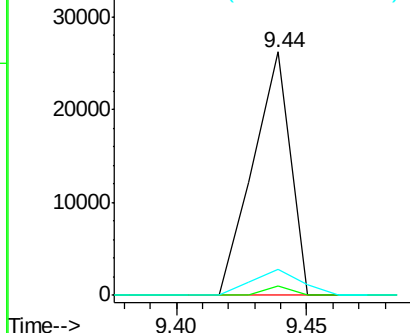
#49
Dimethylphthalate
Concen: 3.79 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF089029.D
Acq: 15 Jul 2016 21:31

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

Tot Ion:163 Resp: 26361
Ion Ratio Lower Upper
163 100
194 3.9 2.8 4.2
164 10.9 8.3 12.5

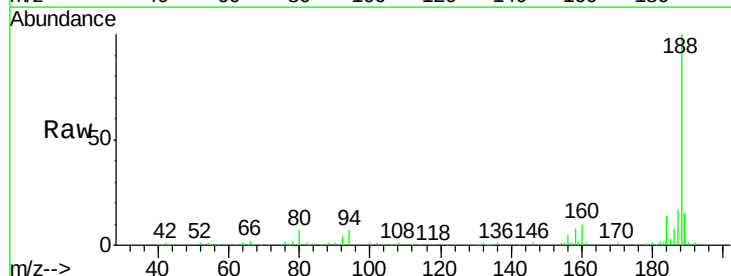


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

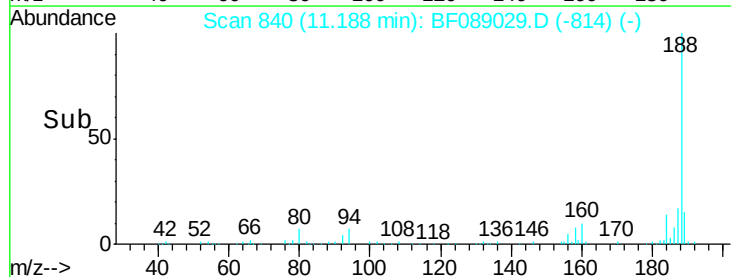
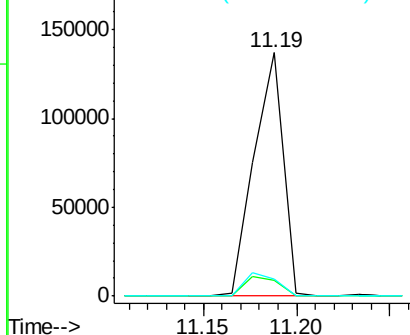


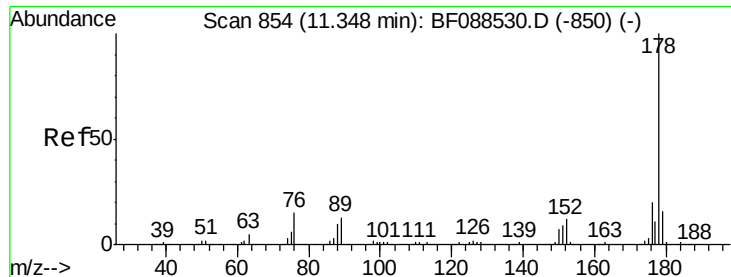
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF089029.D
Acq: 15 Jul 2016 21:31

Tgt Ion:188 Resp: 148177
Ion Ratio Lower Upper
188 100
94 6.7 9.0 13.6#
80 6.9 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

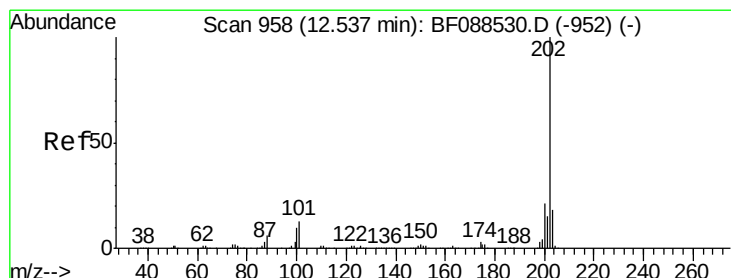
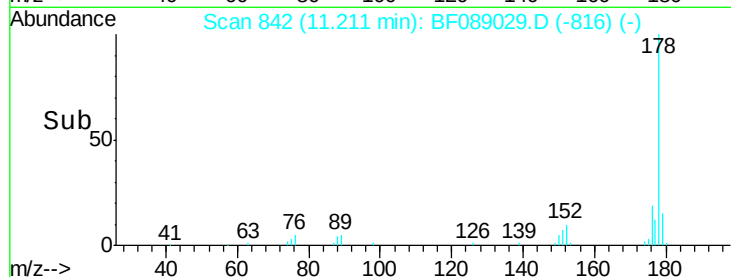
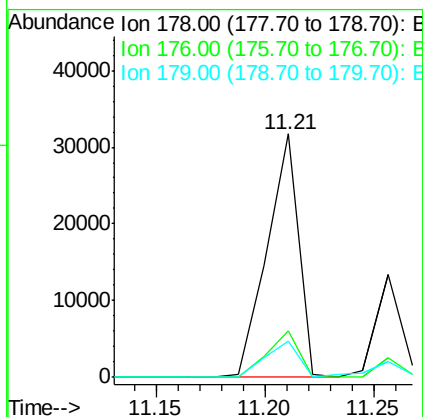
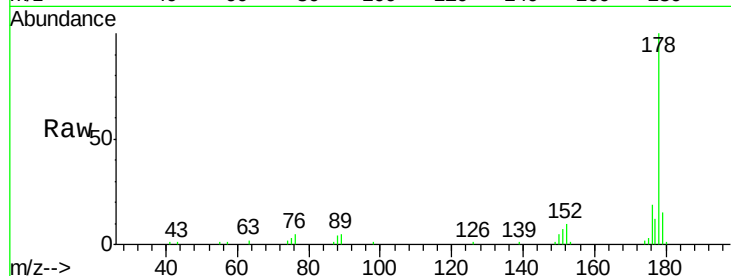




#70
Phenanthrene
Concen: 3.98 ng
RT: 11.21 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF089029.D
Acq: 15 Jul 2016 21:31

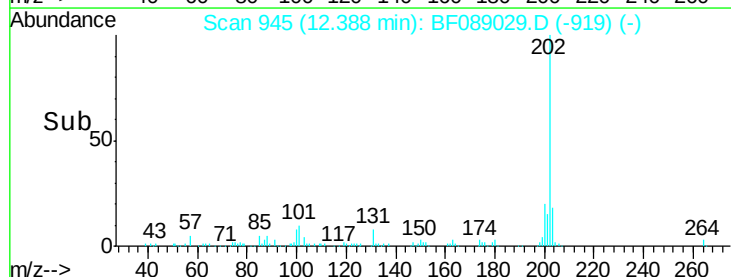
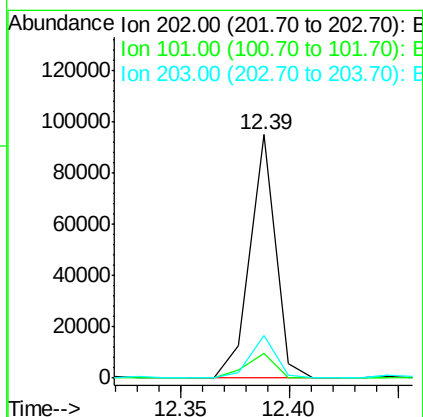
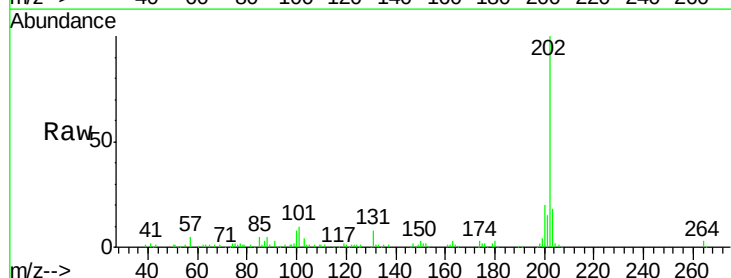
Instrument :
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LSS-SB-SB04(0-2in)

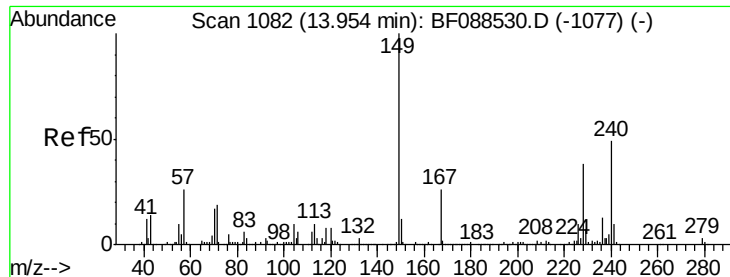
Tot Ion:178 Resp: 32258
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 14.9 13.0 19.4



#74
Fluoranthene
Concen: 9.46 ng
RT: 12.39 min Scan# 945
Delta R.T. 0.00 min
Lab File: BF089029.D
Acq: 15 Jul 2016 21:31

Tgt Ion:202 Resp: 77680
Ion Ratio Lower Upper
202 100
101 10.1 0.0 33.1
203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.01 min

Lab File: BF089029.D

Acq: 15 Jul 2016 21:31

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

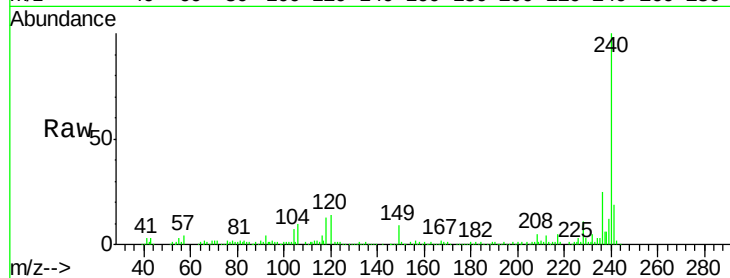
Tot Ion:240 Resp: 111262

Ion Ratio Lower Upper

240 100

120 13.7 6.8 10.2#

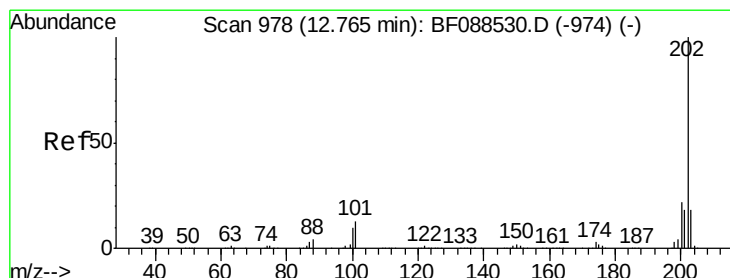
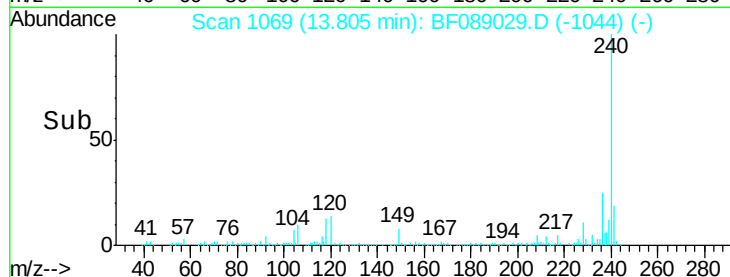
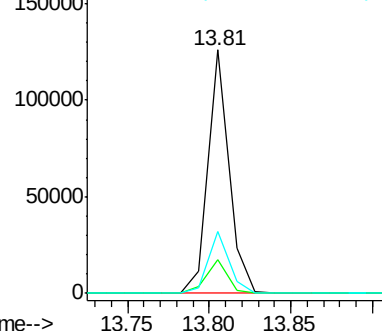
236 25.2 20.2 30.2



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

Pyrene

Concen: 7.82 ng

RT: 12.62 min Scan# 965

Delta R.T. 0.00 min

Lab File: BF089029.D

Acq: 15 Jul 2016 21:31

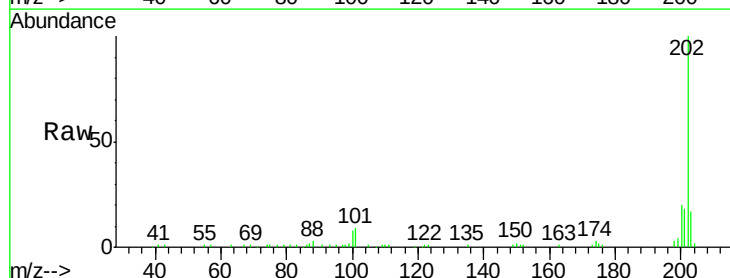
Tgt Ion:202 Resp: 73775

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

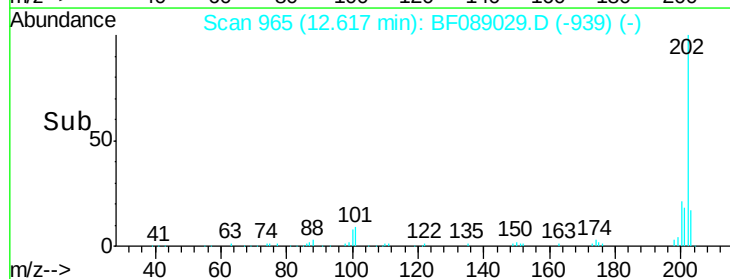
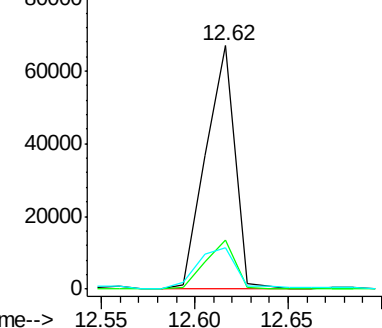
203 17.1 14.5 21.7

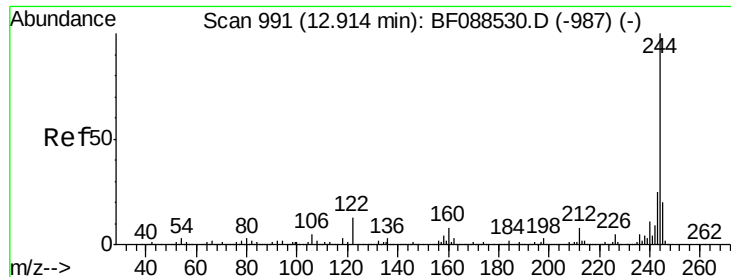


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 12.56 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.01 min

Lab File: BF089029.D

Acq: 15 Jul 2016 21:31

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

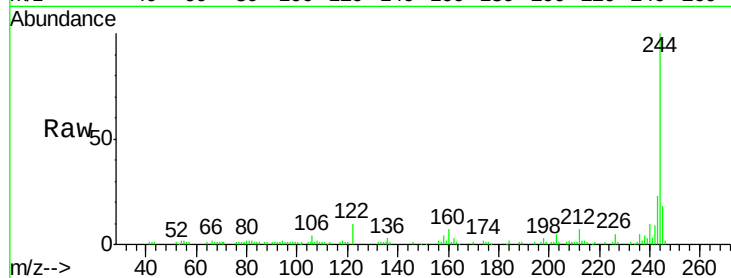
Tot Ion:244 Resp: 62724

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

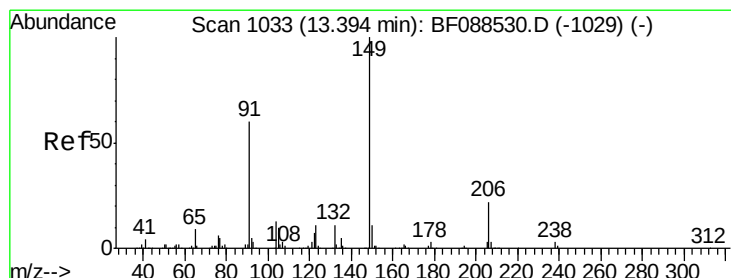
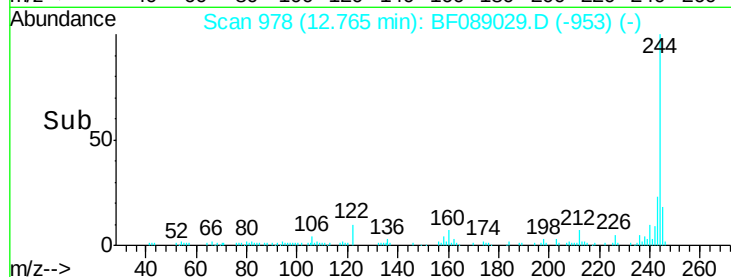
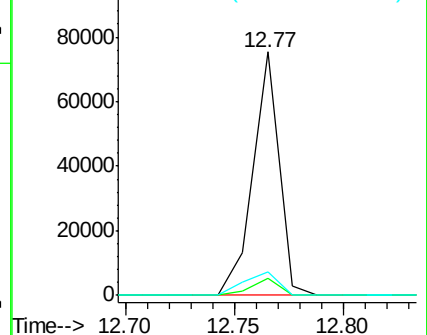
122 9.6 11.2 16.8#



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: 3.05 ng

RT: 13.25 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF089029.D

Acq: 15 Jul 2016 21:31

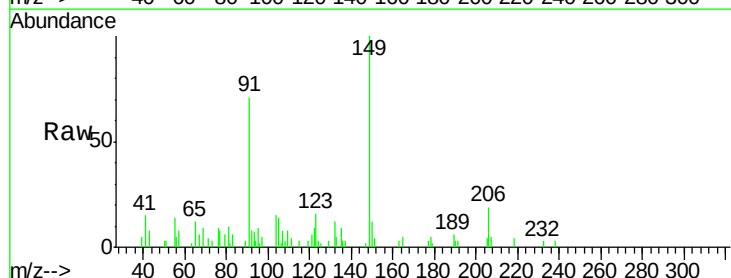
Tgt Ion:149 Resp: 12822

Ion Ratio Lower Upper

149 100

91 71.0 48.0 72.0

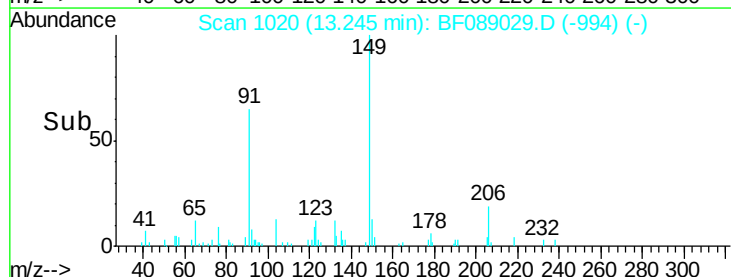
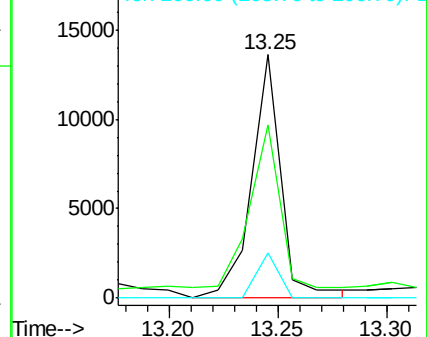
206 18.8 16.0 24.0

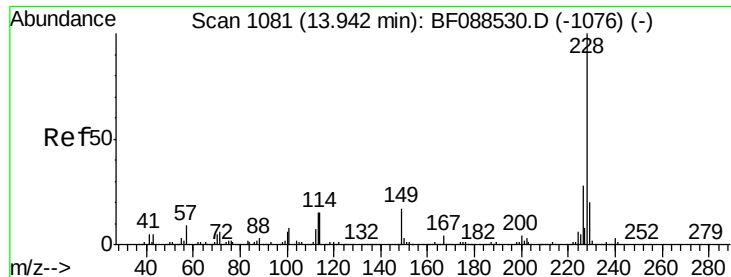


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

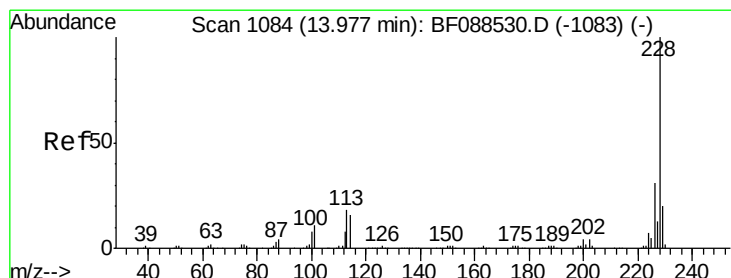
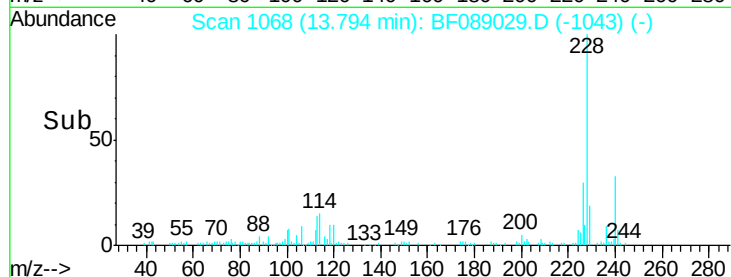
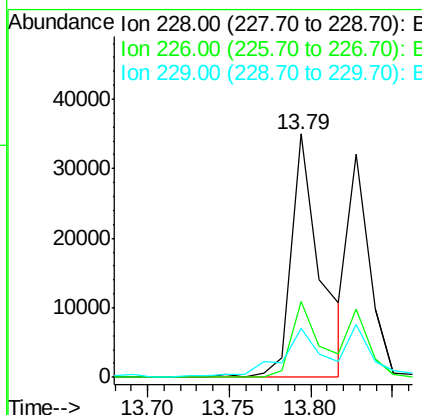
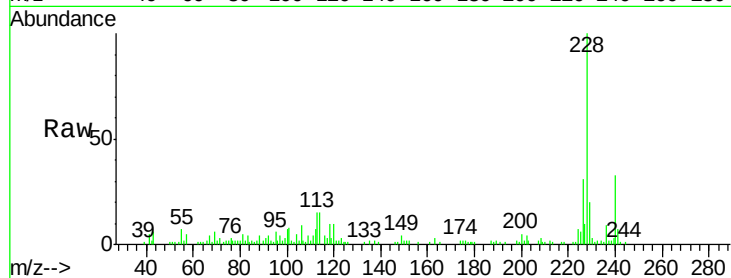




#80
Benzo(a)anthracene
Concen: 6.06 ng
RT: 13.79 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BF089029.D
Acq: 15 Jul 2016 21:31

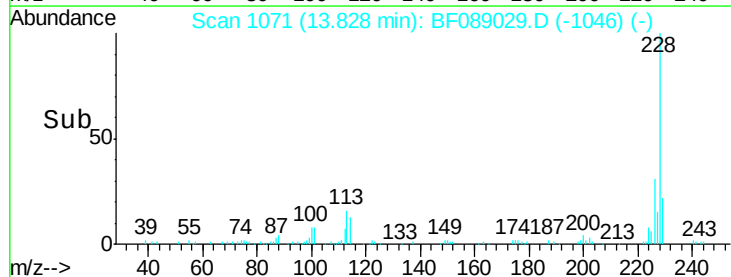
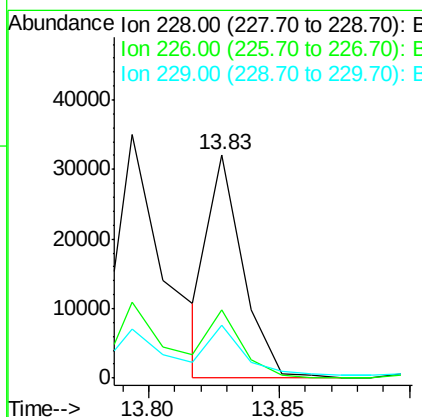
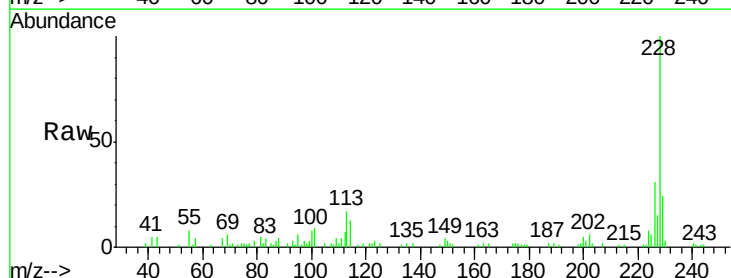
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB04(0-2in)

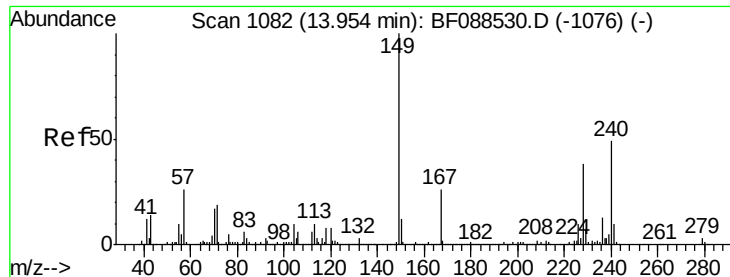
Tot Ion:228 Resp: 43430
Ion Ratio Lower Upper
228 100
226 31.2 22.3 33.5
229 20.2 16.0 24.0



#82
Chrysene
Concen: 4.15 ng m
RT: 13.83 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BF089029.D
Acq: 15 Jul 2016 21:31

Tgt Ion:228 Resp: 29428
Ion Ratio Lower Upper
228 100
226 30.6 25.4 38.2
229 24.0 16.3 24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.64 ng

RT: 13.81 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BF089029.D

Acq: 15 Jul 2016 21:31

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

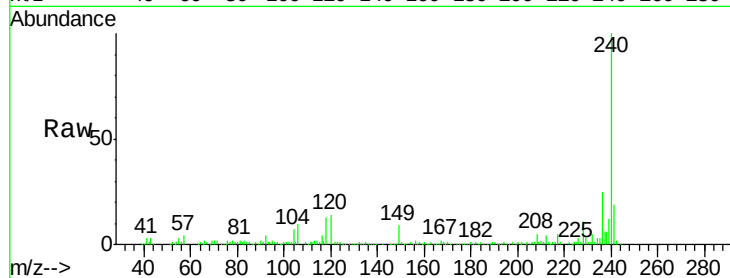
Tot Ion:149 Resp: 12664

Ion Ratio Lower Upper

149 100

167 23.6 20.5 30.7

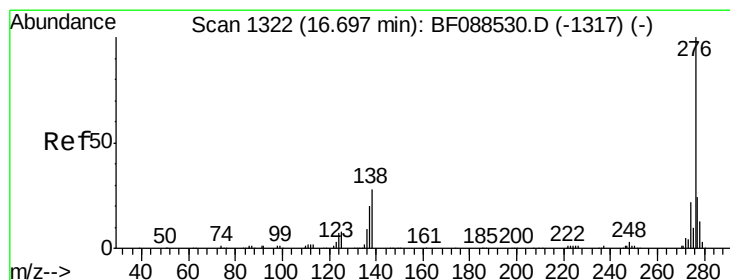
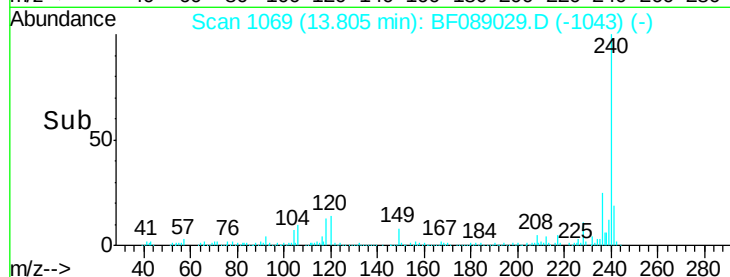
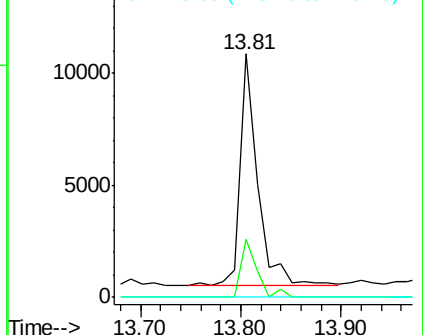
279 0.0 2.0 3.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.86 ng

RT: 16.43 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF089029.D

Acq: 15 Jul 2016 21:31

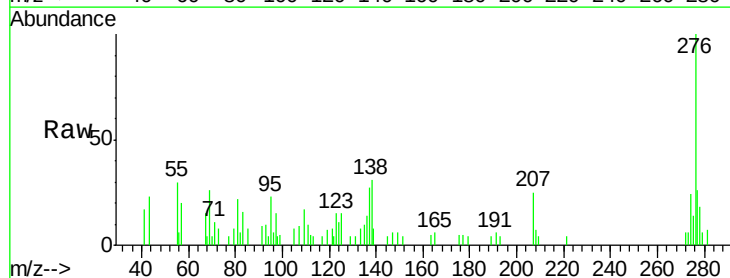
Tgt Ion:276 Resp: 15585

Ion Ratio Lower Upper

276 100

138 32.8 0.0 0.0#

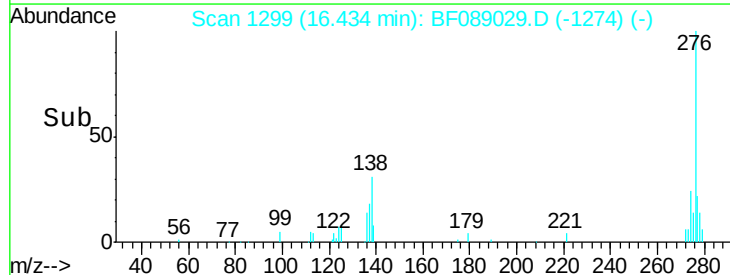
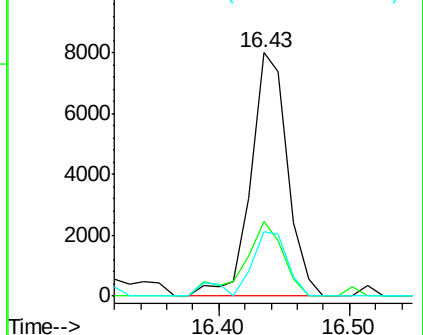
277 28.4 0.0 0.0#

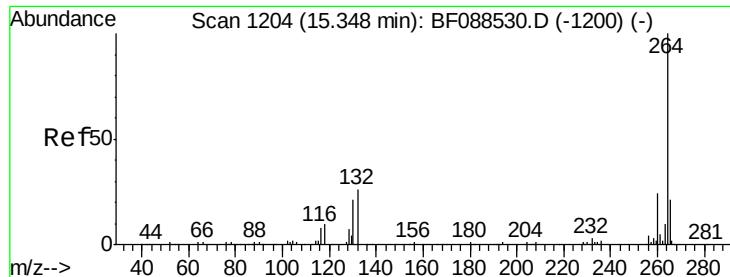


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

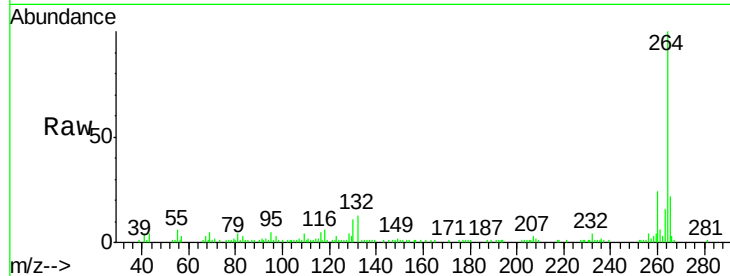




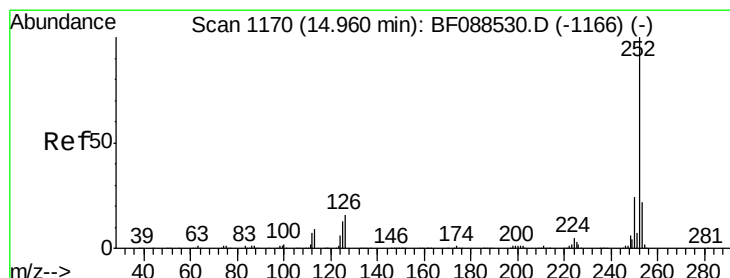
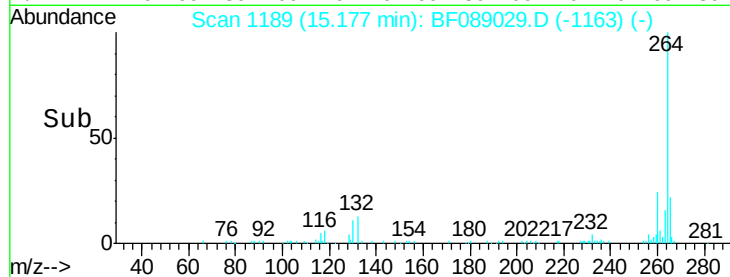
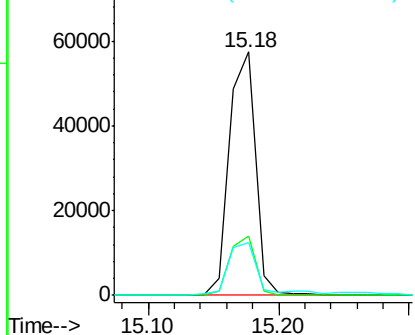
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1189
Delta R.T. 0.00 min
Lab File: BF089029.D
Acq: 15 Jul 2016 21:31

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

Tot Ion:264 Resp: 79933
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 21.8 16.9 25.3

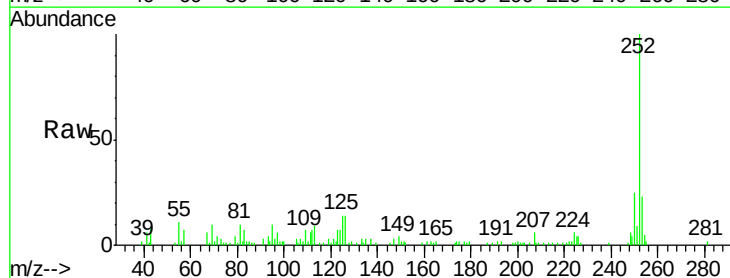


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

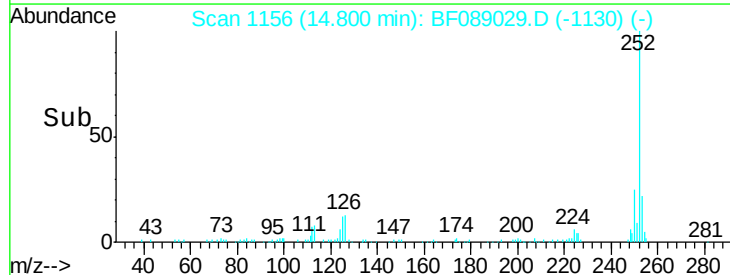
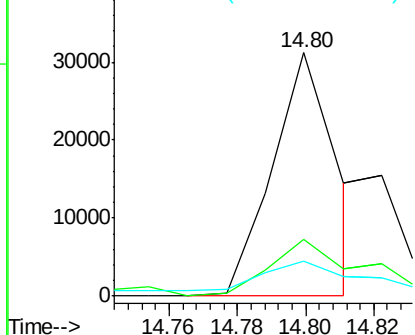


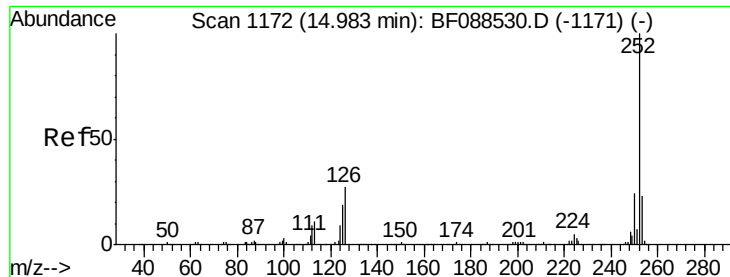
#87
Benzo(b)fluoranthene
Concen: 8.11 ng m
RT: 14.80 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF089029.D
Acq: 15 Jul 2016 21:31

Tgt Ion:252 Resp: 40655
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 14.3 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: 2.86 ng m

RT: 14.82 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BF089029.D

Acq: 15 Jul 2016 21:31

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

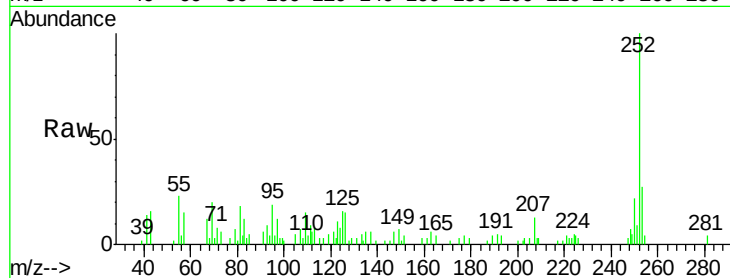
Tot Ion:252 Resp: 12490

Ion Ratio Lower Upper

252 100

253 27.1 18.0 27.0#

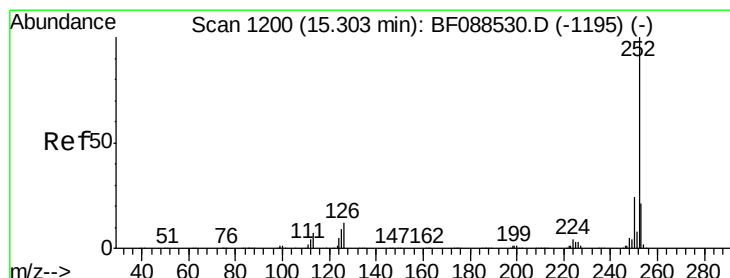
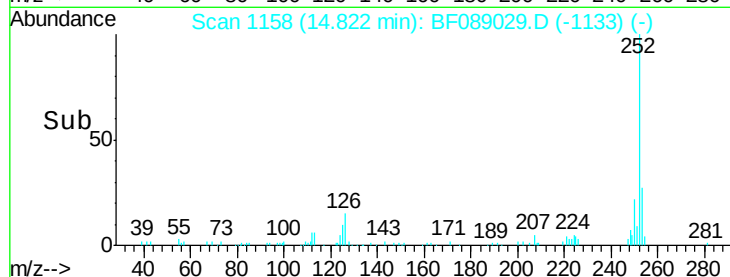
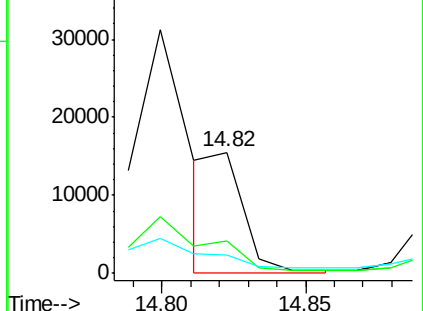
125 15.6 11.2 16.8



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: 6.24 ng m

RT: 15.12 min Scan# 1184

Delta R.T. 0.00 min

Lab File: BF089029.D

Acq: 15 Jul 2016 21:31

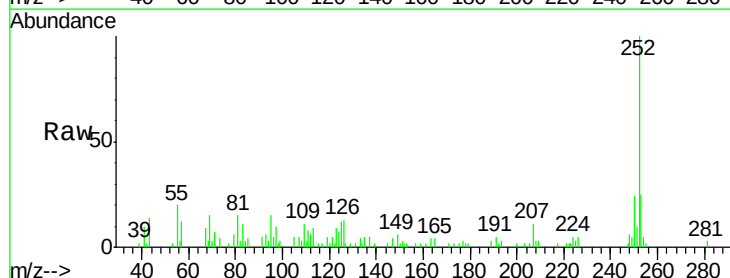
Tgt Ion:252 Resp: 26508

Ion Ratio Lower Upper

252 100

253 25.0 17.9 26.9

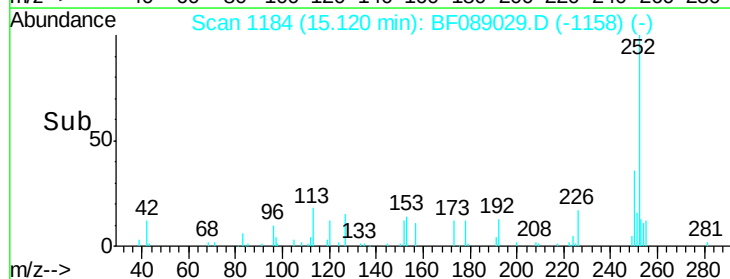
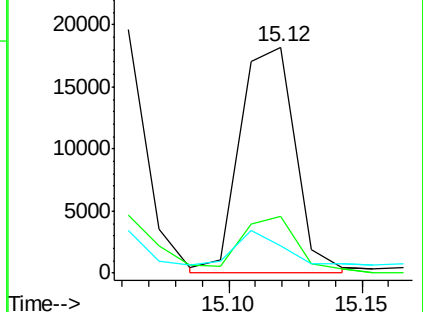
125 11.8 12.5 18.7#

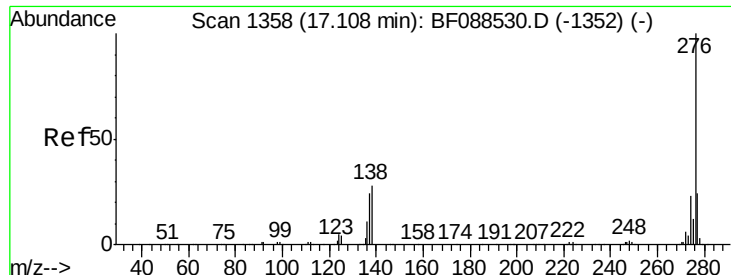


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 4.32 ng

RT: 16.82 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF089029.D

Acq: 15 Jul 2016 21:31

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB04(0-2in)

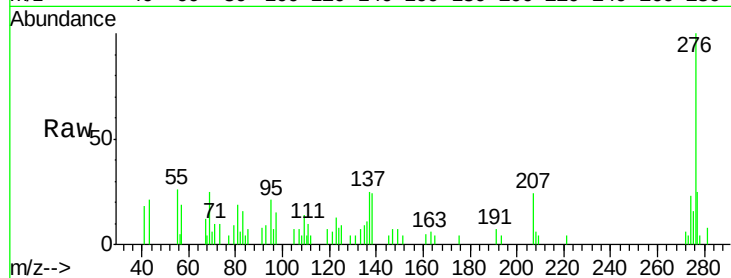
Tot Ion: 276 Resp: 15864

Ion Ratio Lower Upper

276 100

277 24.9 18.9 28.3

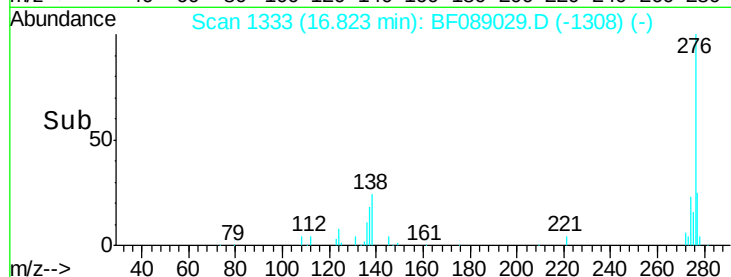
138 24.3 21.4 32.2



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



Time-->

