

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
 Data File : BF089027.D
 Acq On : 15 Jul 2016 20:30
 Operator : UM/SJ
 Sample : H3951-23 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-XD01

Quant Time: Jul 16 01:47:06 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

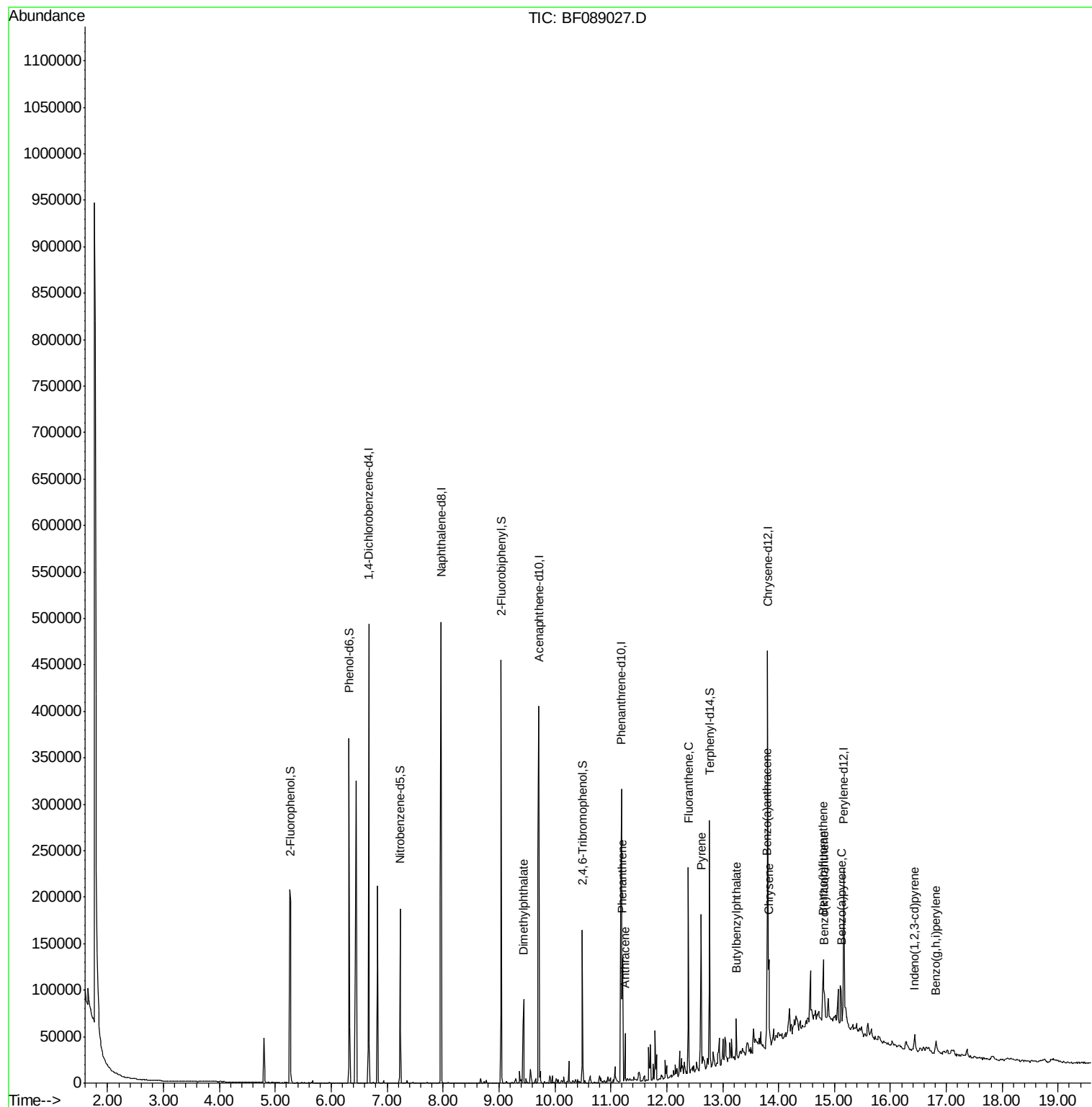
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	64331	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	241355	20.00	ng	0.00
38) Acenaphthene-d10	9.71	164	94794	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	145653	20.00	ng	0.00
75) Chrysene-d12	13.81	240	108564	20.00	ng	-0.01
86) Perylene-d12	15.17	264	76192	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	83335	19.41	ng	0.00
7) Phenol-d6	6.32	99	111361	20.08	ng	-0.01
23) Nitrobenzene-d5	7.23	82	61336	13.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	14199	16.13	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	128993	21.49	ng	0.00
78) Terphenyl-d14	12.77	244	76618	15.72	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.44	163	47928	7.10	ng	99
70) Phenanthrene	11.21	178	64717	8.13	ng	98
71) Anthracene	11.26	178	18797	2.37	ng	99
74) Fluoranthene	12.39	202	82098	10.17	ng	95
77) Pyrene	12.62	202	84784	9.21	ng	98
79) Butylbenzylphthalate	13.25	149	9269	2.26	ng	91
80) Benzo(a)anthracene	13.79	228	40213	5.75	ng	94
82) Chrysene	13.83	228	28160m	4.07	ng	
85) Indeno(1,2,3-cd)pyrene	16.43	276	11184	2.10	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	30698m	6.42	ng	
88) Benzo(k)fluoranthene	14.81	252	9013m	2.17	ng	
89) Benzo(a)pyrene	15.12	252	21866	5.40	ng	98
91) Benzo(a,h,i)perylene	16.81	276	11105	3.18	ng	98

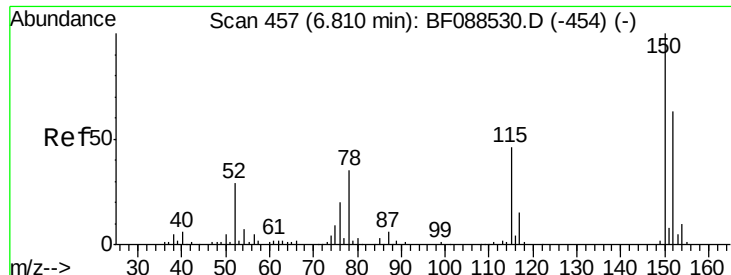
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF089027.D

Acq: 15 Jul 2016 20:30

Instrument :

BNA_F

ClientSampleId :

LSS-SB-XD01

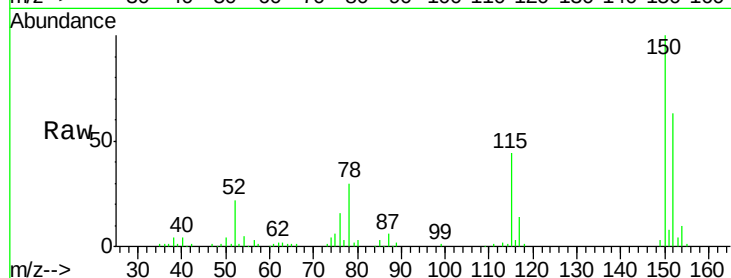
Tot Ion:152 Resp: 64331

Ion Ratio Lower Upper

152 100

150 157.6 123.8 185.6

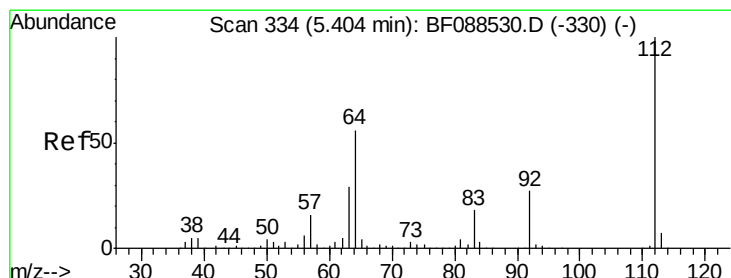
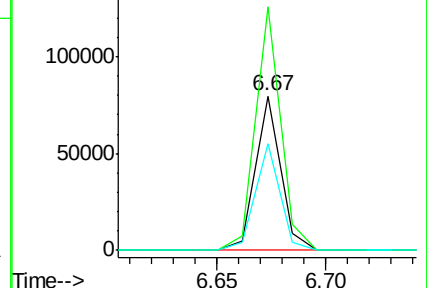
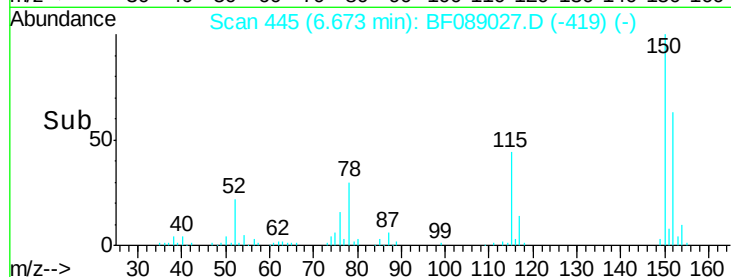
115 69.0 39.6 59.4#



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: 19.41 ng

RT: 5.27 min Scan# 322

Delta R.T. 0.00 min

Lab File: BF089027.D

Acq: 15 Jul 2016 20:30

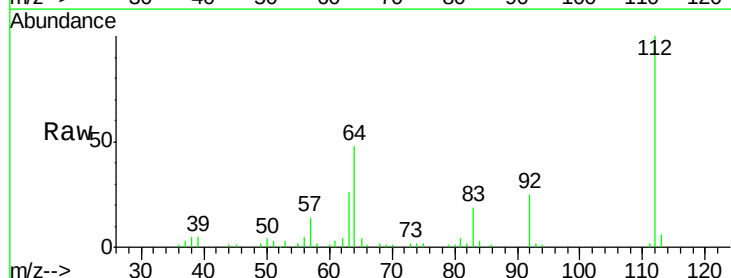
Tgt Ion:112 Resp: 83335

Ion Ratio Lower Upper

112 100

64 48.5 42.2 63.2

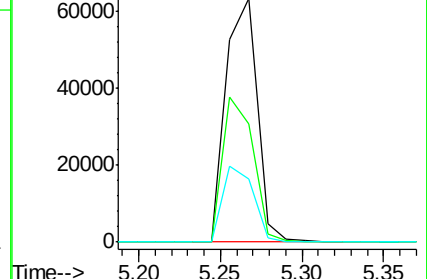
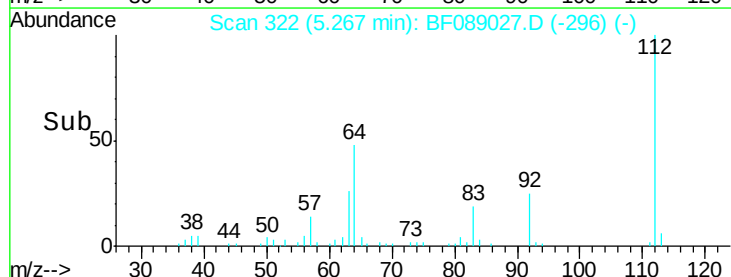
63 26.0 21.8 32.8

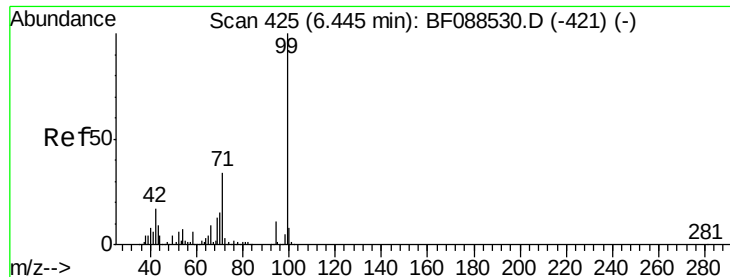


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 20.08 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF089027.D

Acq: 15 Jul 2016 20:30

Instrument :

BNA_F

ClientSampleId :

LSS-SB-XD01

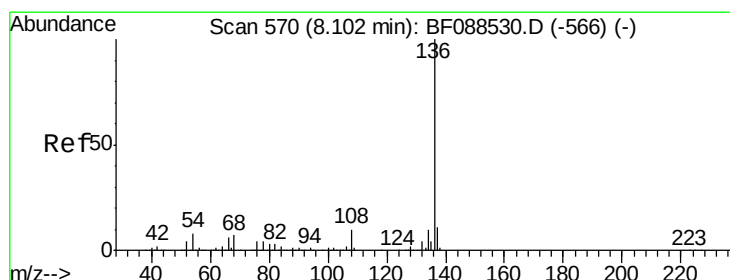
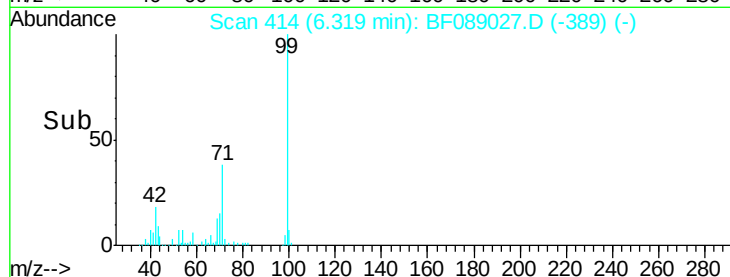
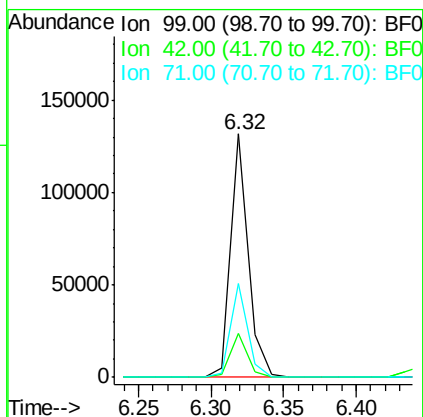
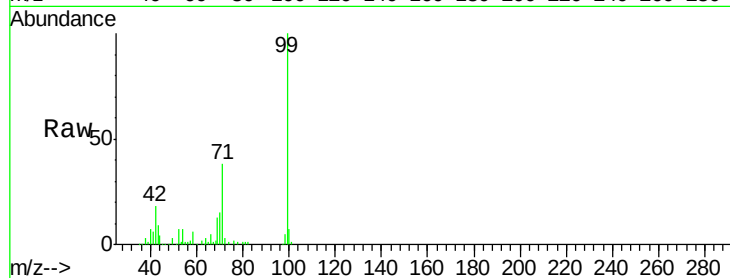
Tot Ion: 99 Resp: 111361

Ion Ratio Lower Upper

99 100

42 18.2 12.2 18.2

71 38.4 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: BF089027.D

Acq: 15 Jul 2016 20:30

Tgt Ion: 136 Resp: 241355

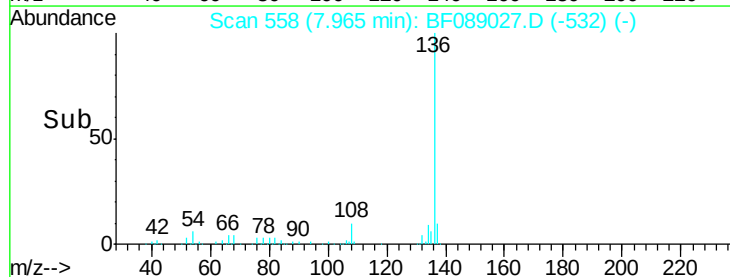
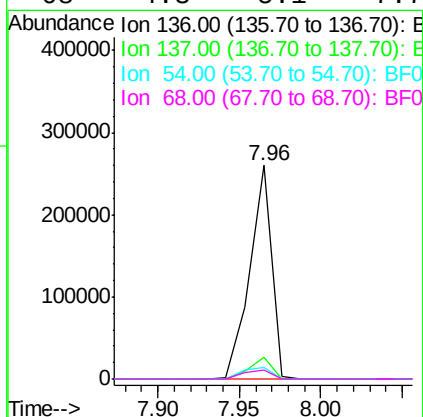
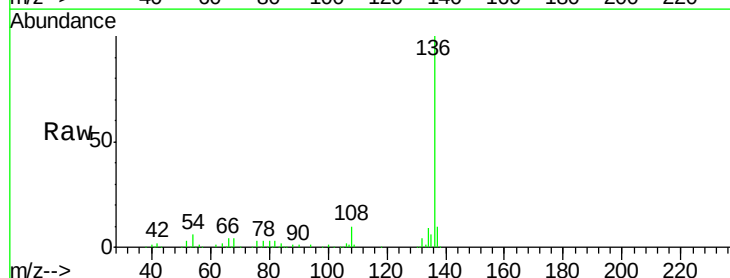
Ion Ratio Lower Upper

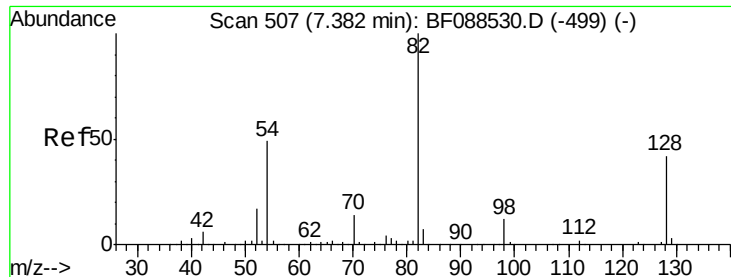
136 100

137 10.3 9.1 13.7

54 5.5 6.6 10.0#

68 4.3 5.1 7.7#

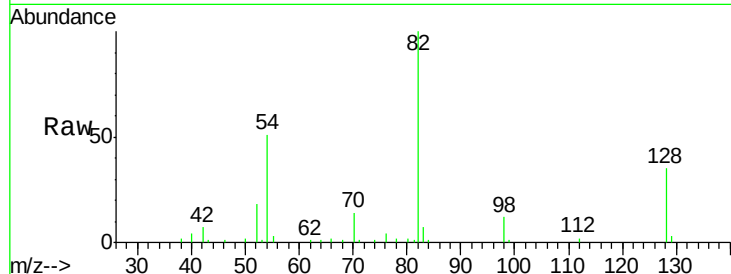




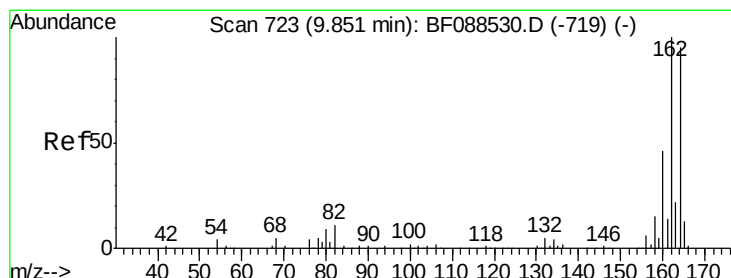
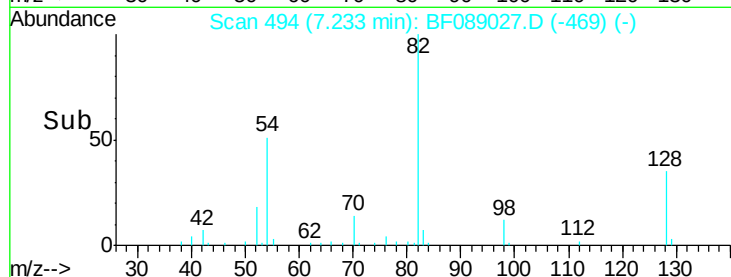
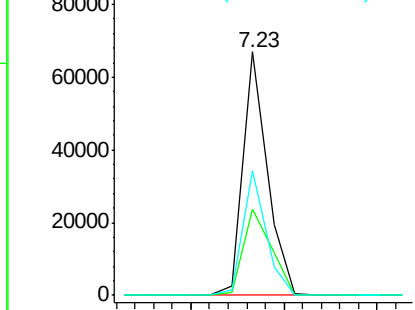
#23
 Nitrobenzene-d5
 Concen: 13.32 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: BF089027.D
 Acq: 15 Jul 2016 20:30

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-XD01

Tot Ion	82	Resp	61336
Ion Ratio	Lower	Upper	
82	100		
128	35.4	35.9	53.9#
54	51.2	40.9	61.3

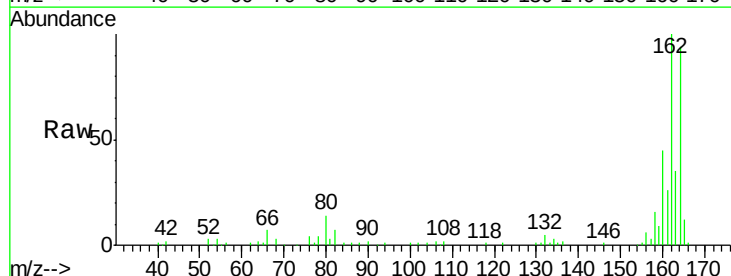


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

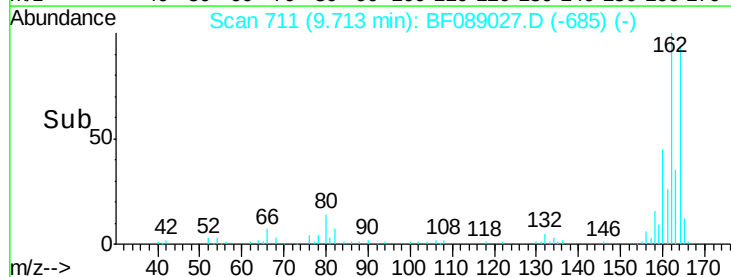
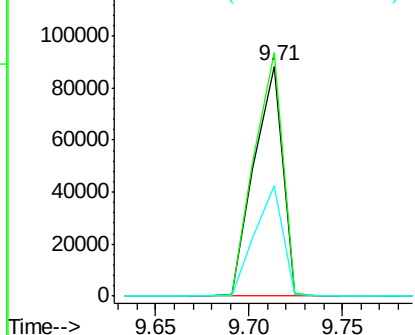


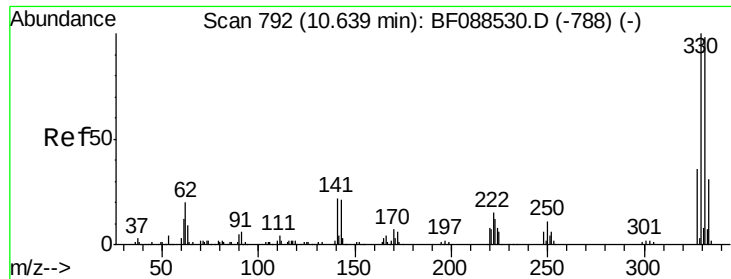
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BF089027.D
 Acq: 15 Jul 2016 20:30

Tgt Ion	164	Resp	94794
Ion Ratio	Lower	Upper	
164	100		
162	106.1	85.4	128.2
160	48.2	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

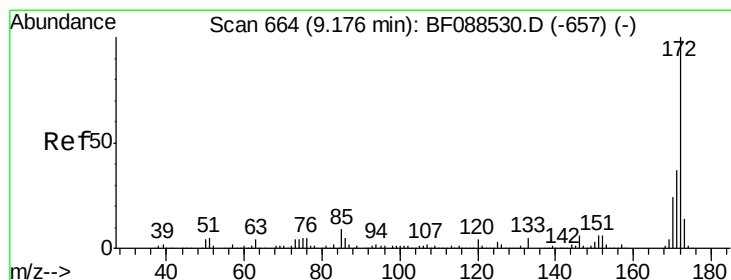
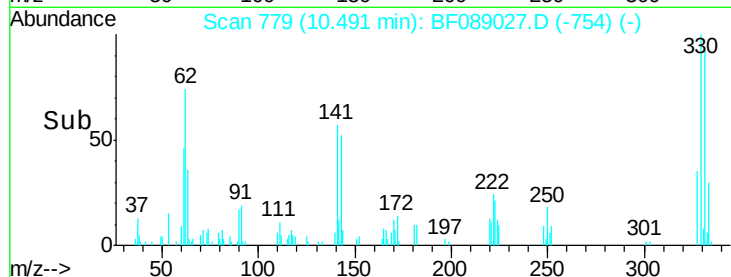
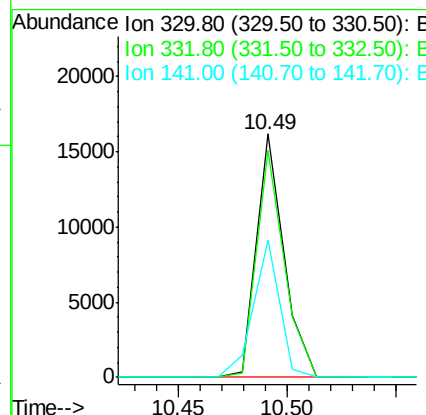
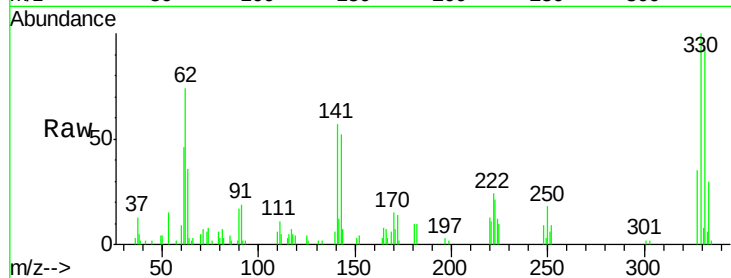




#41
 2,4,6-Tribromophenol
 Concen: 16.13 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089027.D
 Acq: 15 Jul 2016 20:30

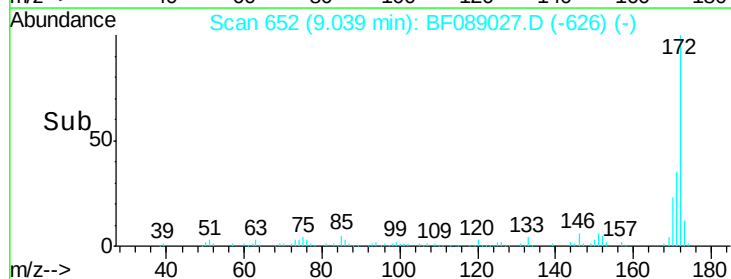
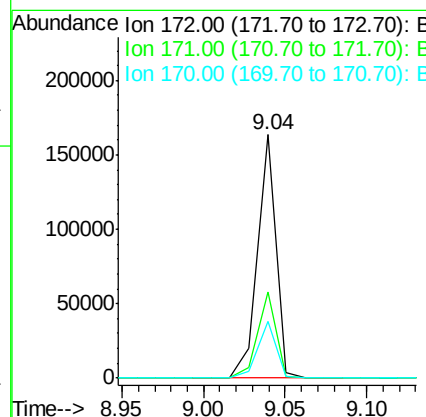
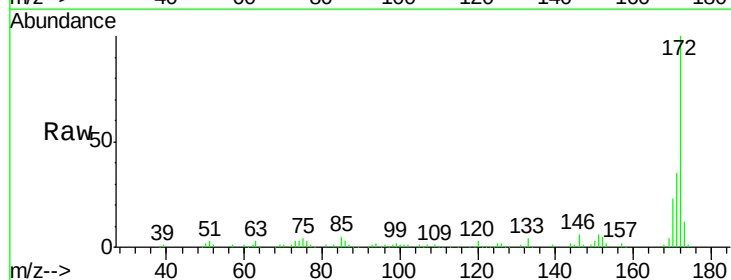
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-XD01

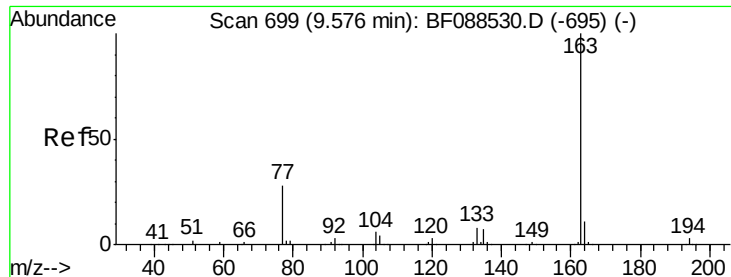
Tot Ion	Ratio	Lower	Upper
330	100		
332	93.8	0.0	0.0#
141	54.0	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 21.49 ng
 RT: 9.04 min Scan# 652
 Delta R.T. 0.00 min
 Lab File: BF089027.D
 Acq: 15 Jul 2016 20:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	23.2	19.2	28.8





#49

Dimethylphthalate

Concen: 7.10 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF089027.D

Acq: 15 Jul 2016 20:30

Instrument :

BNA_F

ClientSampleId :

LSS-SB-XD01

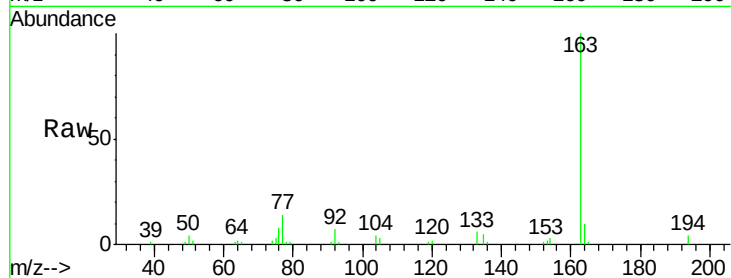
Tot Ion:163 Resp: 47928

Ion Ratio Lower Upper

163 100

194 3.9 2.8 4.2

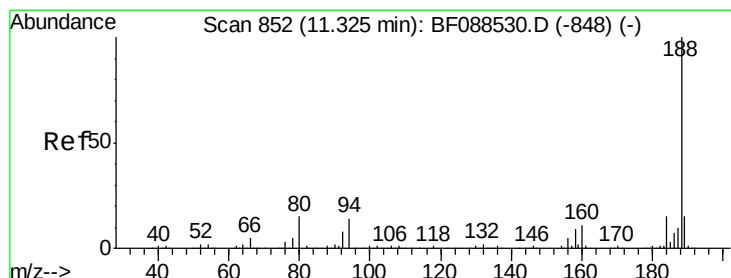
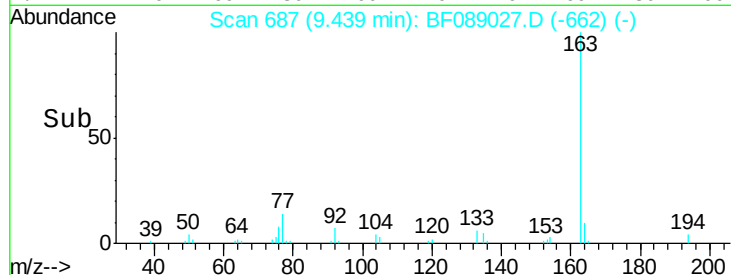
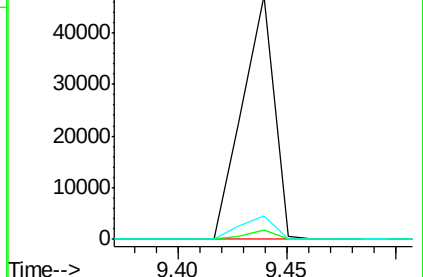
164 9.8 8.3 12.5



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: BF089027.D

Acq: 15 Jul 2016 20:30

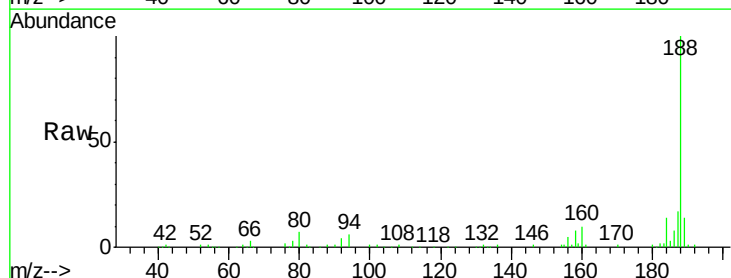
Tgt Ion:188 Resp: 145653

Ion Ratio Lower Upper

188 100

94 6.2 9.0 13.6#

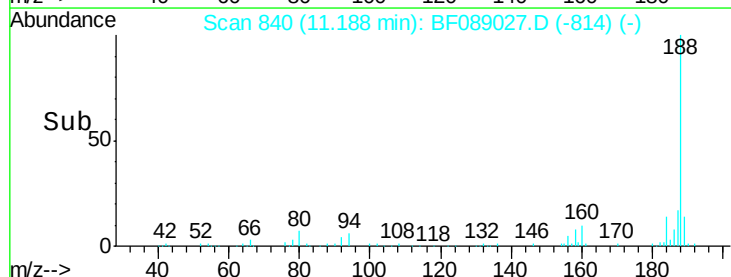
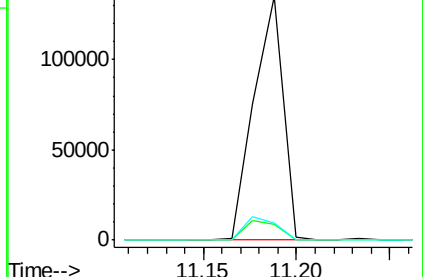
80 6.8 10.0 15.0#

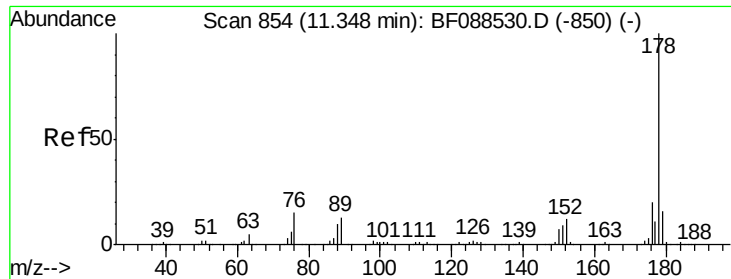


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

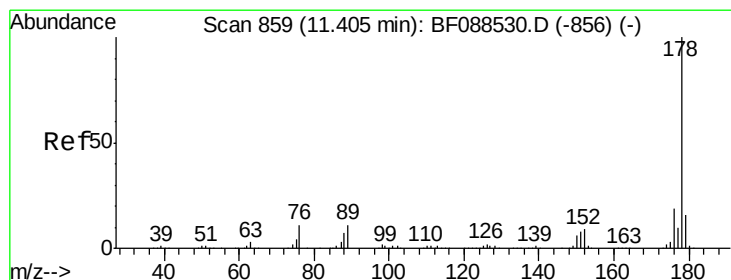
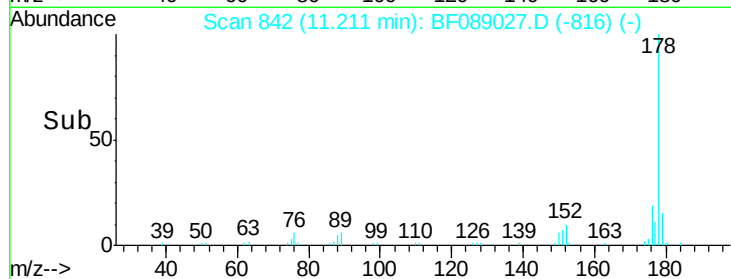
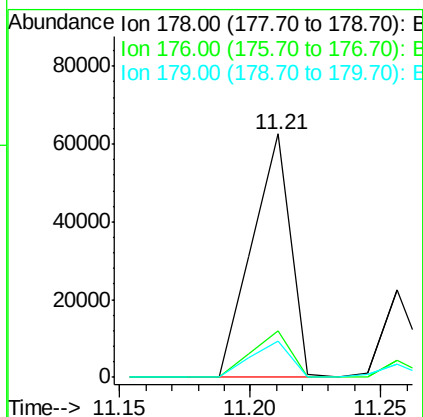
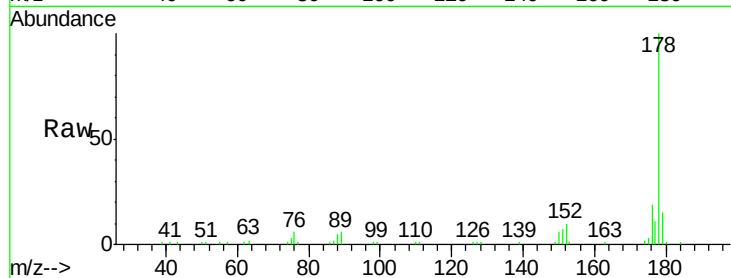




#70
Phenanthrene
Concen: 8.13 ng
RT: 11.21 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF089027.D
Acq: 15 Jul 2016 20:30

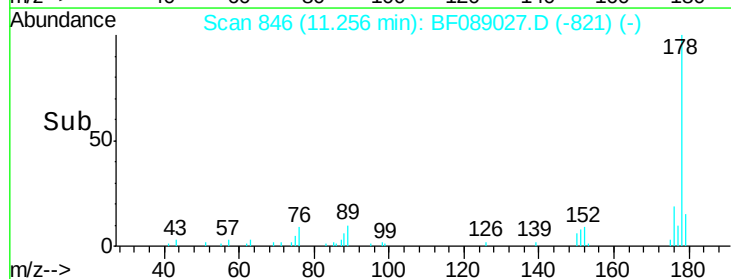
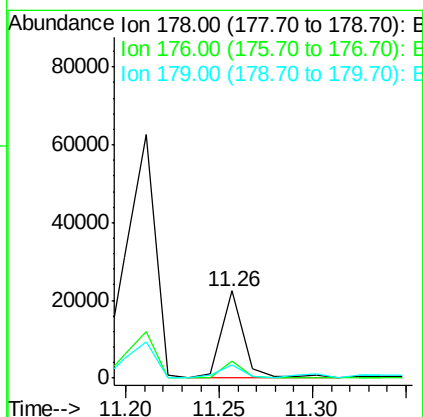
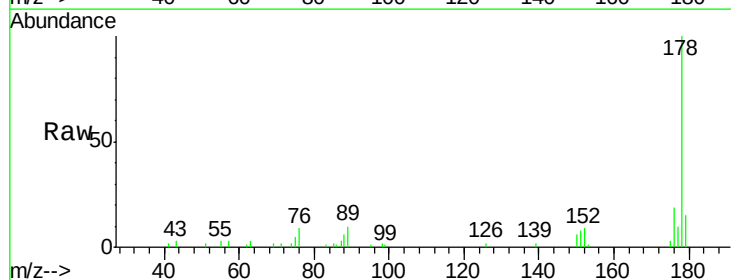
Instrument :
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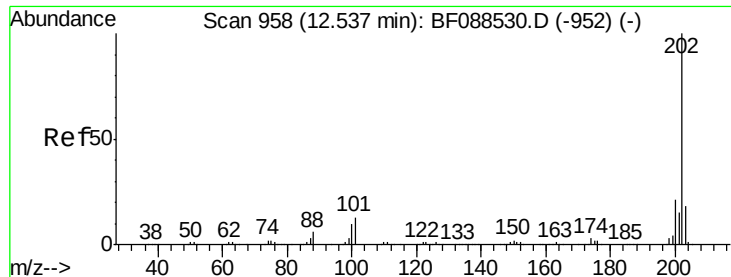
Tot Ion:178 Resp: 64717
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 14.9 13.0 19.4



#71
Anthracene
Concen: 2.37 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF089027.D
Acq: 15 Jul 2016 20:30

Tgt Ion:178 Resp: 18797
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.0 12.8 19.2

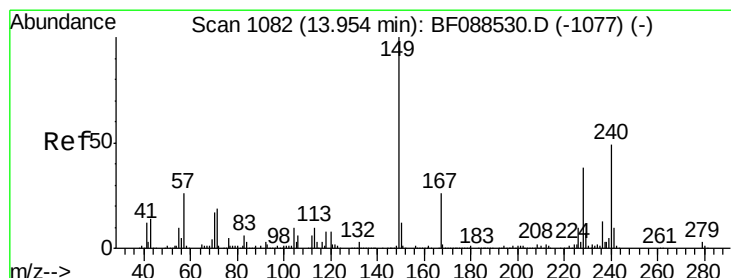
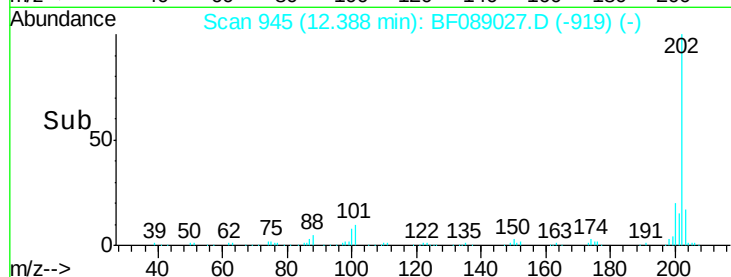
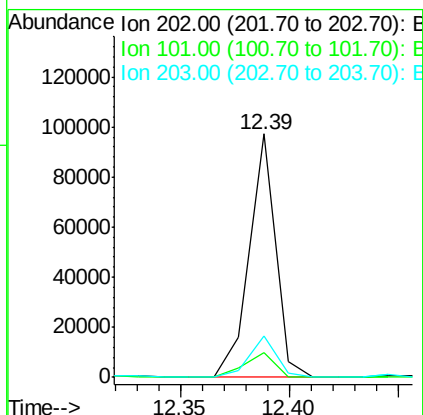
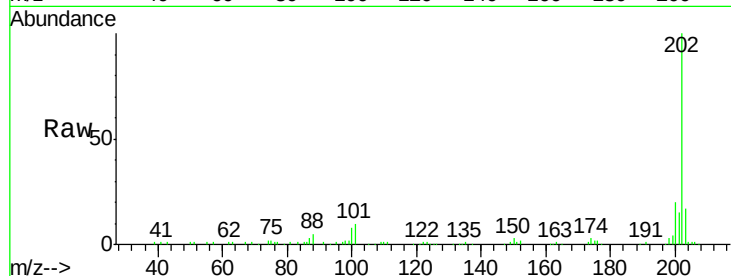




#74
 Fluoranthene
 Concen: 10.17 ng
 RT: 12.39 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: BF089027.D
 Acq: 15 Jul 2016 20:30

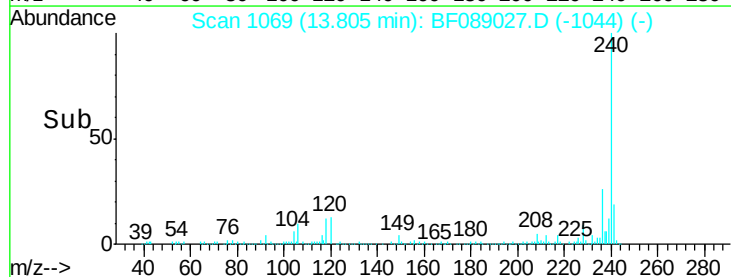
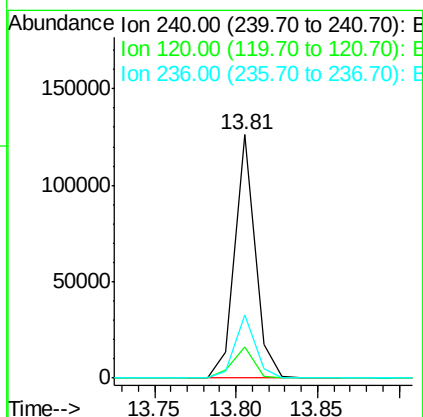
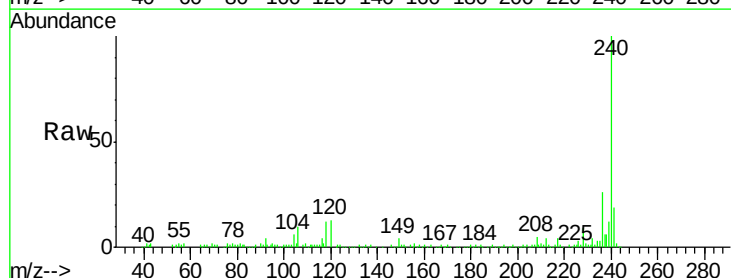
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-XD01

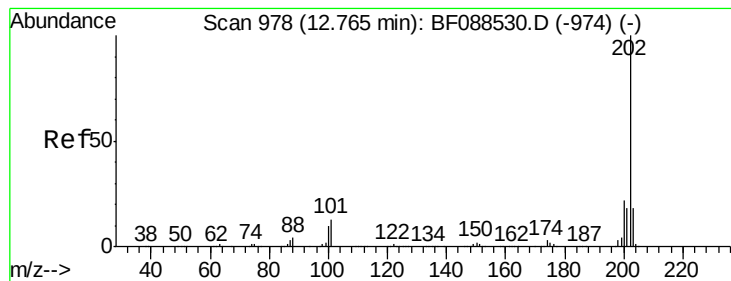
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	33.1
203	17.0	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.81 min Scan# 1069
 Delta R.T. -0.01 min
 Lab File: BF089027.D
 Acq: 15 Jul 2016 20:30

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.9	6.8	10.2#
236	25.8	20.2	30.2





#77

Pvrene

Concen: 9.21 ng

RT: 12.62 min Scan# 965

Delta R.T. 0.00 min

Lab File: BF089027.D

Acq: 15 Jul 2016 20:30

Instrument :

BNA_F

ClientSampleId :

LSS-SB-XD01

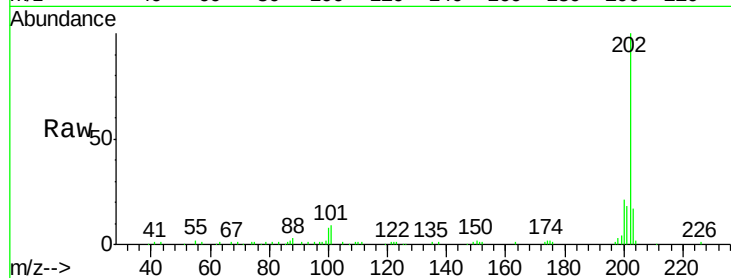
Tot Ion:202 Resp: 84784

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

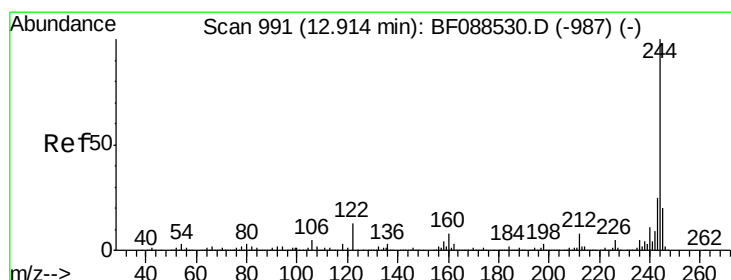
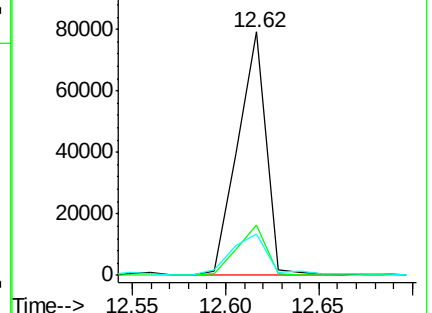
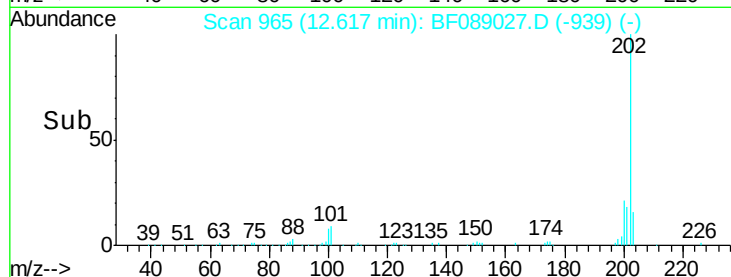
203 17.2 14.5 21.7



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: 15.72 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.01 min

Lab File: BF089027.D

Acq: 15 Jul 2016 20:30

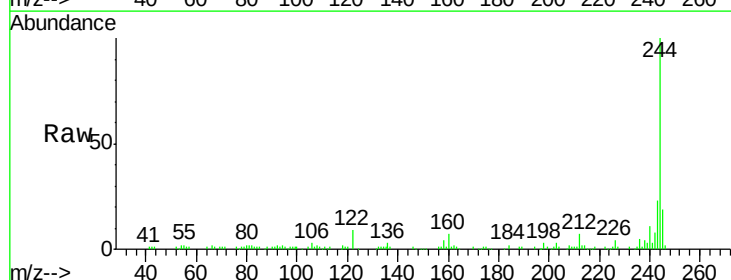
Tgt Ion:244 Resp: 76618

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

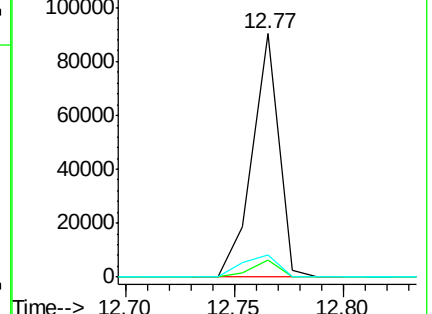
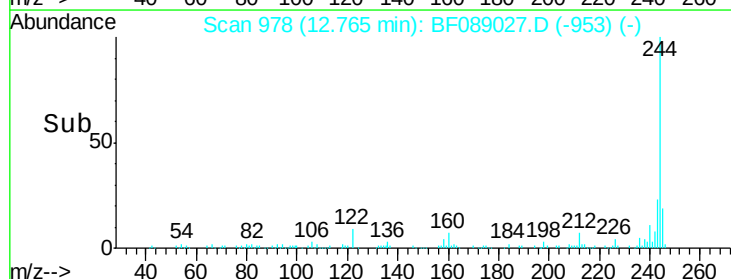
122 9.1 11.2 16.8#

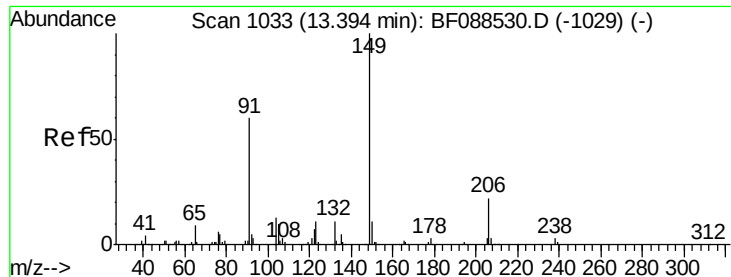


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

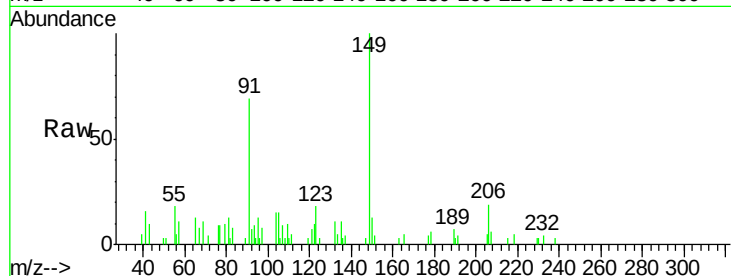




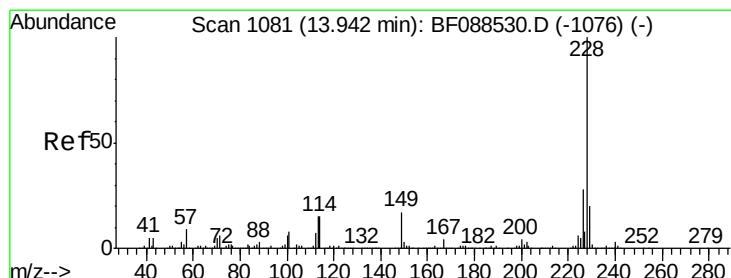
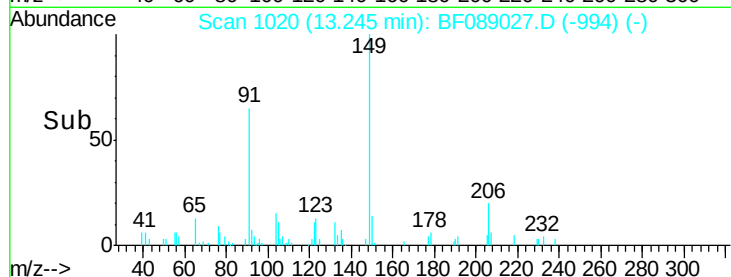
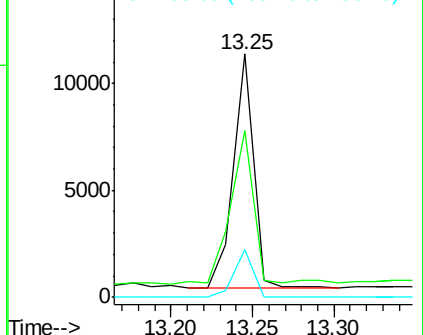
#79
Butylbenzylphthalate
Concen: 2.26 ng
RT: 13.25 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF089027.D
Acq: 15 Jul 2016 20:30

Instrument :
BNA_F
ClientSampleId :
LSS-SB-XD01

Tot Ion:149 Resp: 9269
Ion Ratio Lower Upper
149 100
91 68.6 48.0 72.0
206 19.5 16.0 24.0

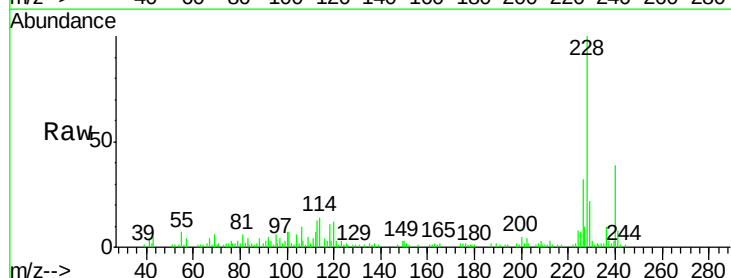


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

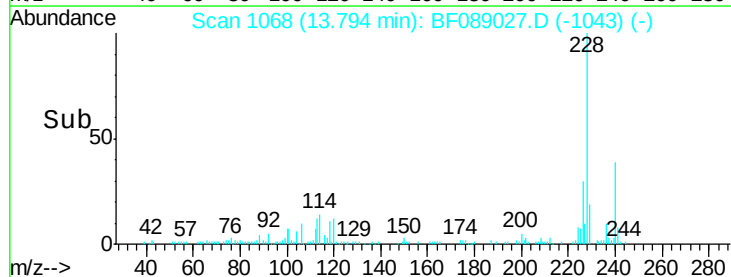
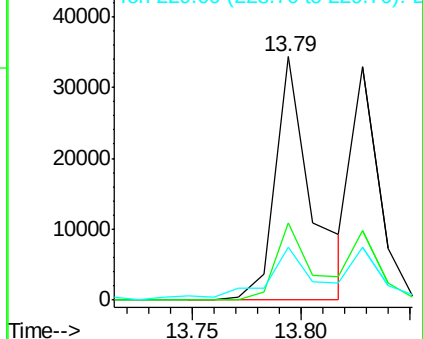


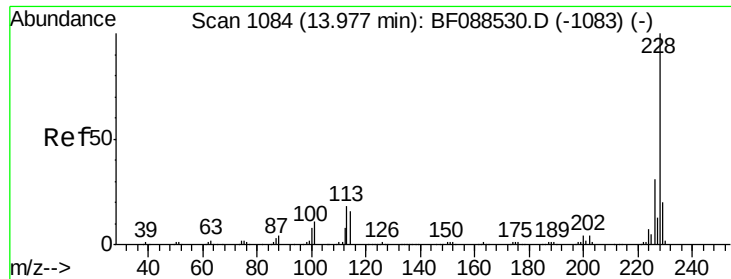
#80
Benzo(a)anthracene
Concen: 5.75 ng
RT: 13.79 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BF089027.D
Acq: 15 Jul 2016 20:30

Tgt Ion:228 Resp: 40213
Ion Ratio Lower Upper
228 100
226 31.6 22.3 33.5
229 21.6 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: 4.07 ng/mL

RT: 13.83 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BF089027.D

Acq: 15 Jul 2016 20:30

Instrument:

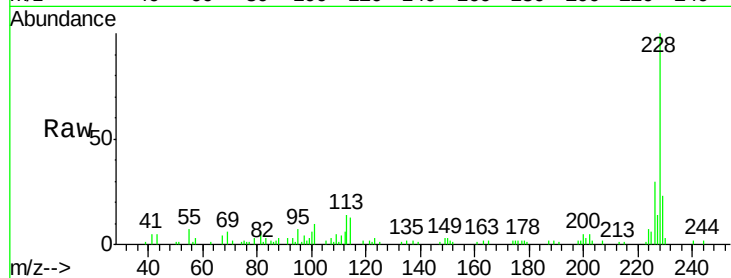
BNA_F

ClientSampleID:

LSS-SB-XD01

Tot Ion: 228 Resp: 28160

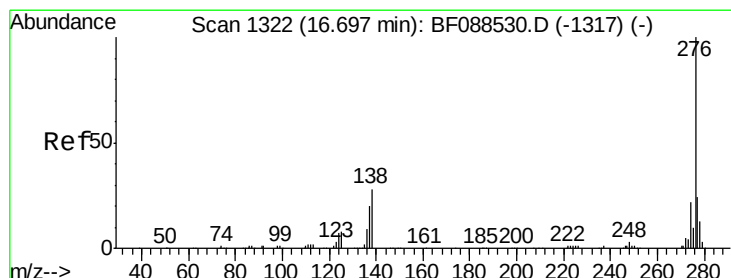
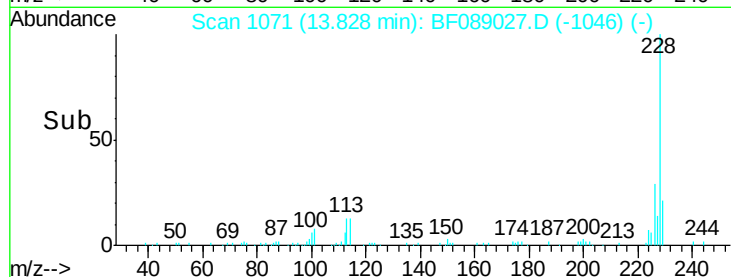
Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.4	38.2
229	22.9	16.3	24.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.10 ng/mL

RT: 16.43 min Scan# 1299

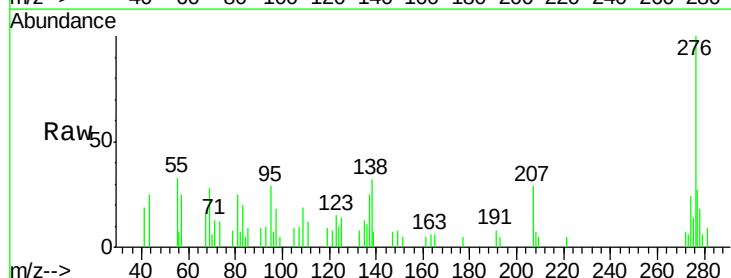
Delta R.T. -0.01 min

Lab File: BF089027.D

Acq: 15 Jul 2016 20:30

Tgt Ion: 276 Resp: 11184

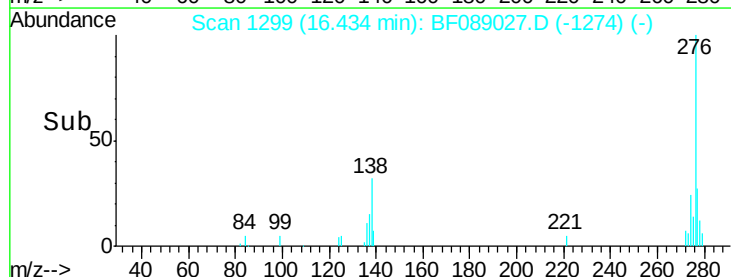
Ion	Ratio	Lower	Upper
276	100		
138	32.1	0.0	0.0#
277	27.4	0.0	0.0#

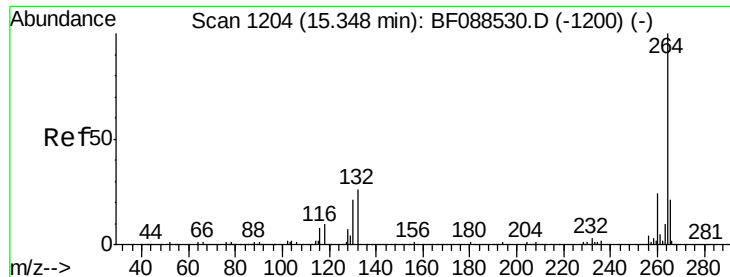


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



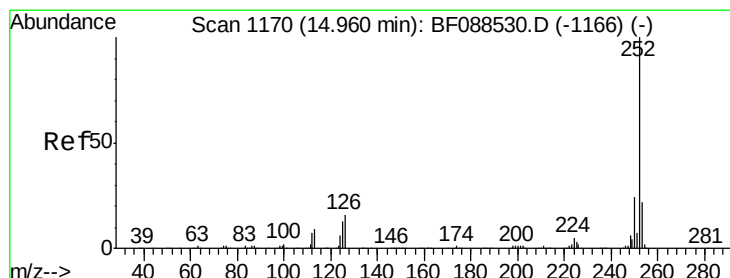
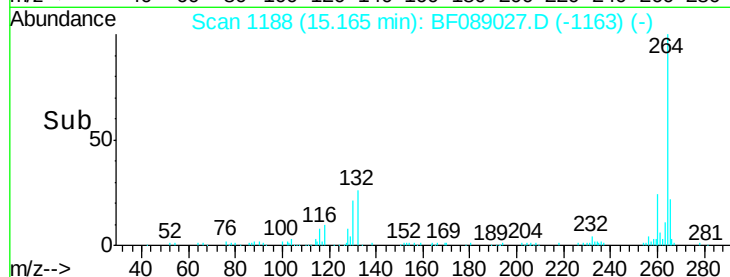
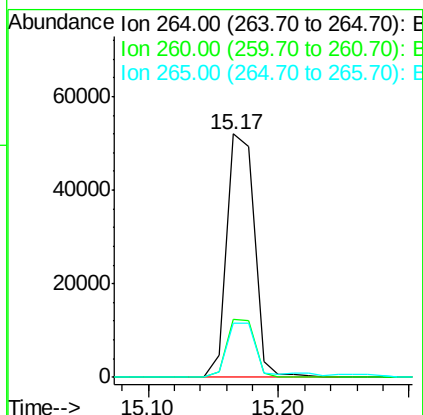
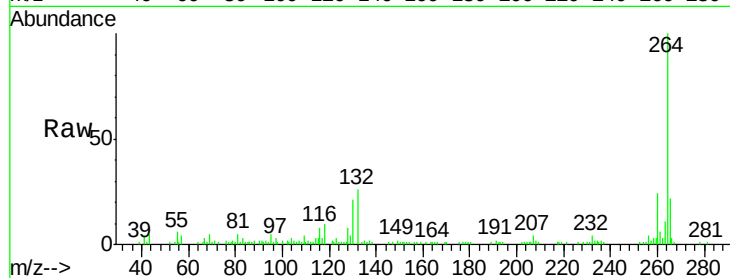


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF089027.D
Acq: 15 Jul 2016 20:30

Instrument :
BNA_F
ClientSampleId :
LSS-SB-XD01

Tot Ion:264 Resp: 76192

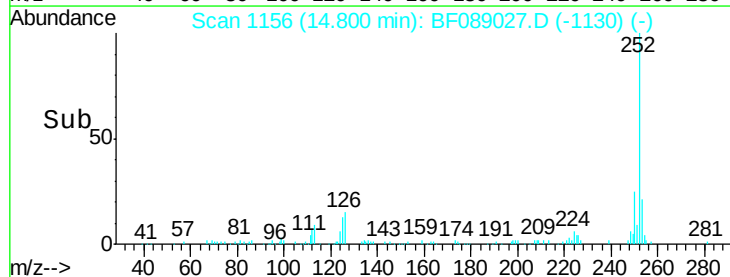
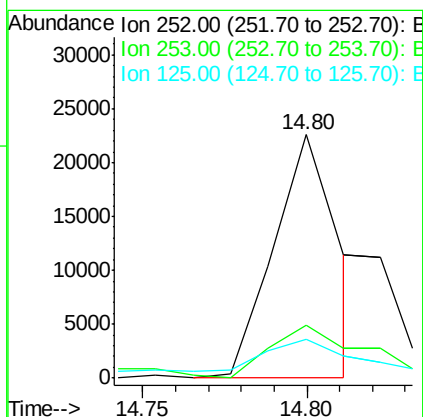
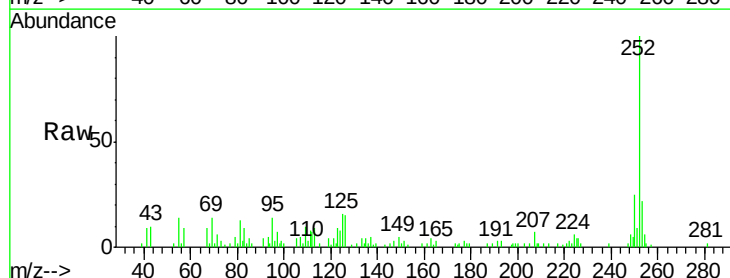
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.4	16.9	25.3

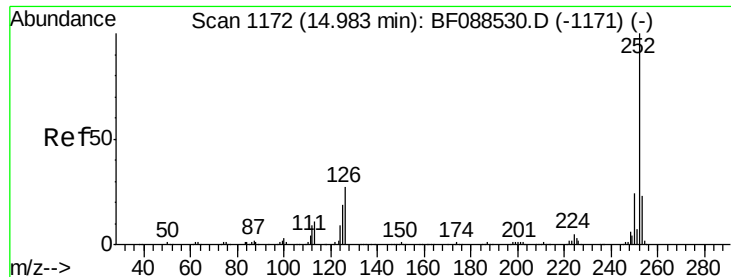


#87
Benzo(b)fluoranthene
Concen: 6.42 ng m
RT: 14.80 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF089027.D
Acq: 15 Jul 2016 20:30

Tgt Ion:252 Resp: 30698

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	15.7	7.1	10.7#

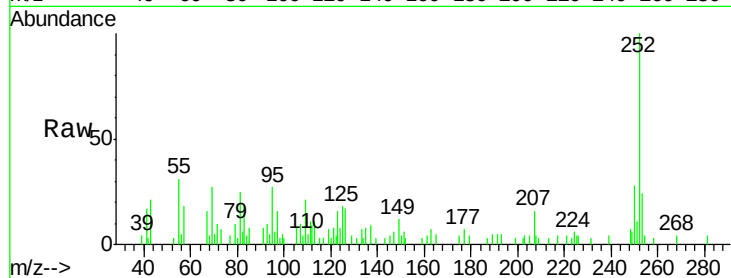




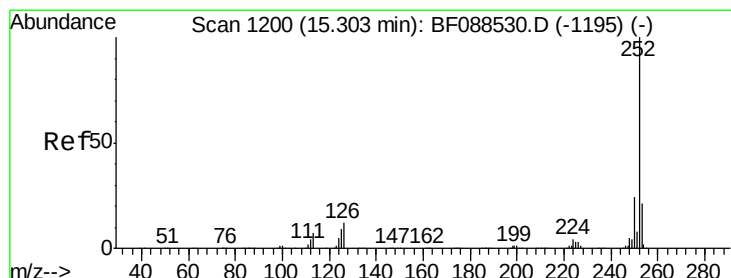
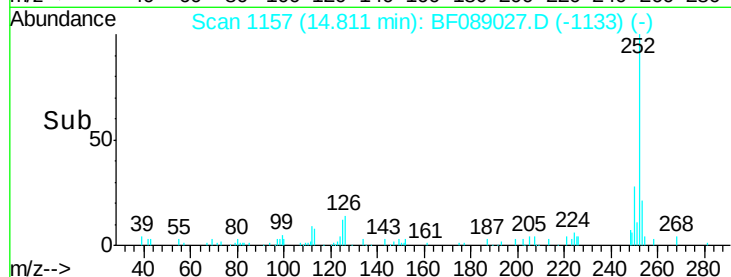
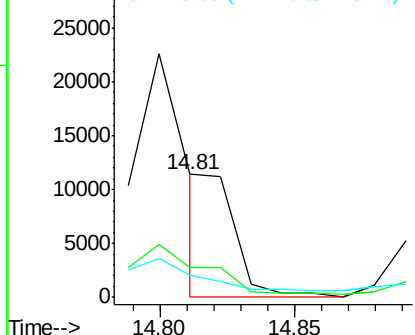
#88
Benzo(k)fluoranthene
Concen: 2.17 ng
RT: 14.81 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF089027.D
Acq: 15 Jul 2016 20:30

Instrument :
BNA_F
ClientSampleId :
LSS-SB-XD01

Tot Ion:252 Resp: 9013
Ion Ratio Lower Upper
252 100
253 24.0 18.0 27.0
125 18.5 11.2 16.8#

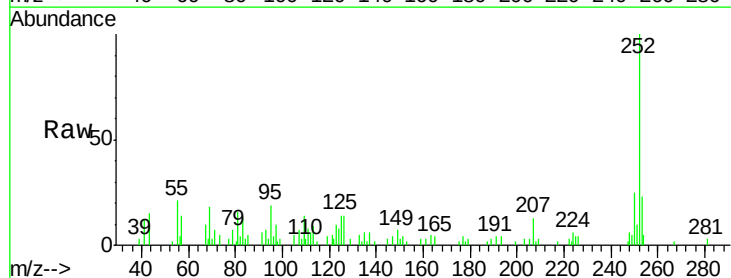


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

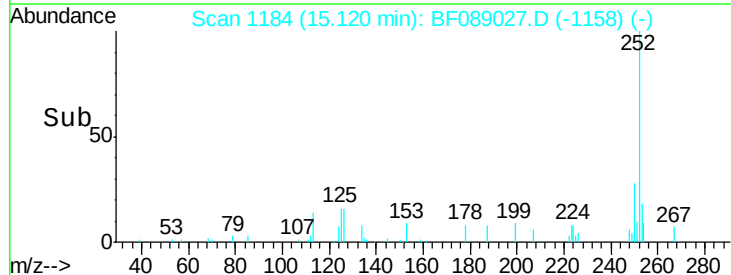
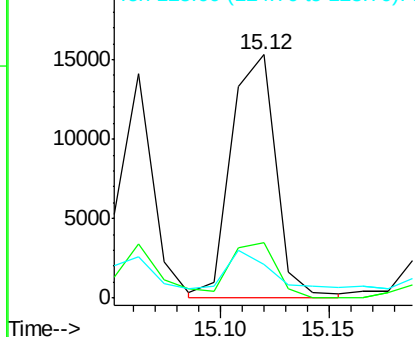


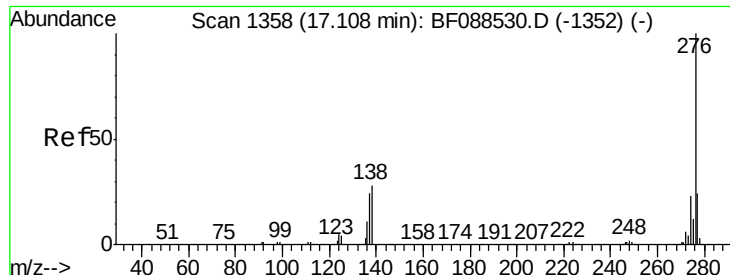
#89
Benzo(a)pyrene
Concen: 5.40 ng
RT: 15.12 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF089027.D
Acq: 15 Jul 2016 20:30

Tgt Ion:252 Resp: 21866
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 13.9 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

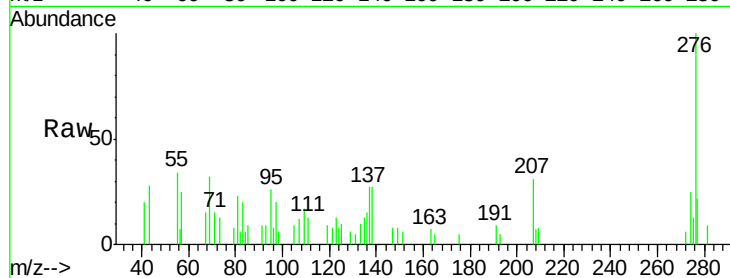




#91
 Benzo(a,h,i)perylene
 Concen: 3.18 ng
 RT: 16.81 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: BF089027.D
 Acq: 15 Jul 2016 20:30

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-XD01

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.0	18.9	28.3
138	27.0	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

