

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
 Data File : BF089925.D
 Acq On : 26 Aug 2016 23:25
 Operator : UM/SJ
 Sample : H4576-07 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21B-(3.6-5)

Quant Time: Aug 27 01:34:56 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 26 18:51:25 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	307881	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	913330	20.00	ng	0.00
38) Acenaphthene-d10	9.69	164	423917	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	902227	20.00	ng	0.01
75) Chrysene-d12	13.77	240	859171	20.00	ng	-0.01
86) Perylene-d12	15.13	264	725487	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	256130	14.27	ng	-0.01
7) Phenol-d6	6.27	99	303807	13.79	ng	-0.02
23) Nitrobenzene-d5	7.21	82	281882	19.17	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	55233	13.71	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	318320	13.20	ng	0.00
78) Terphenyl-d14	12.74	244	303705	8.00	ng	0.00

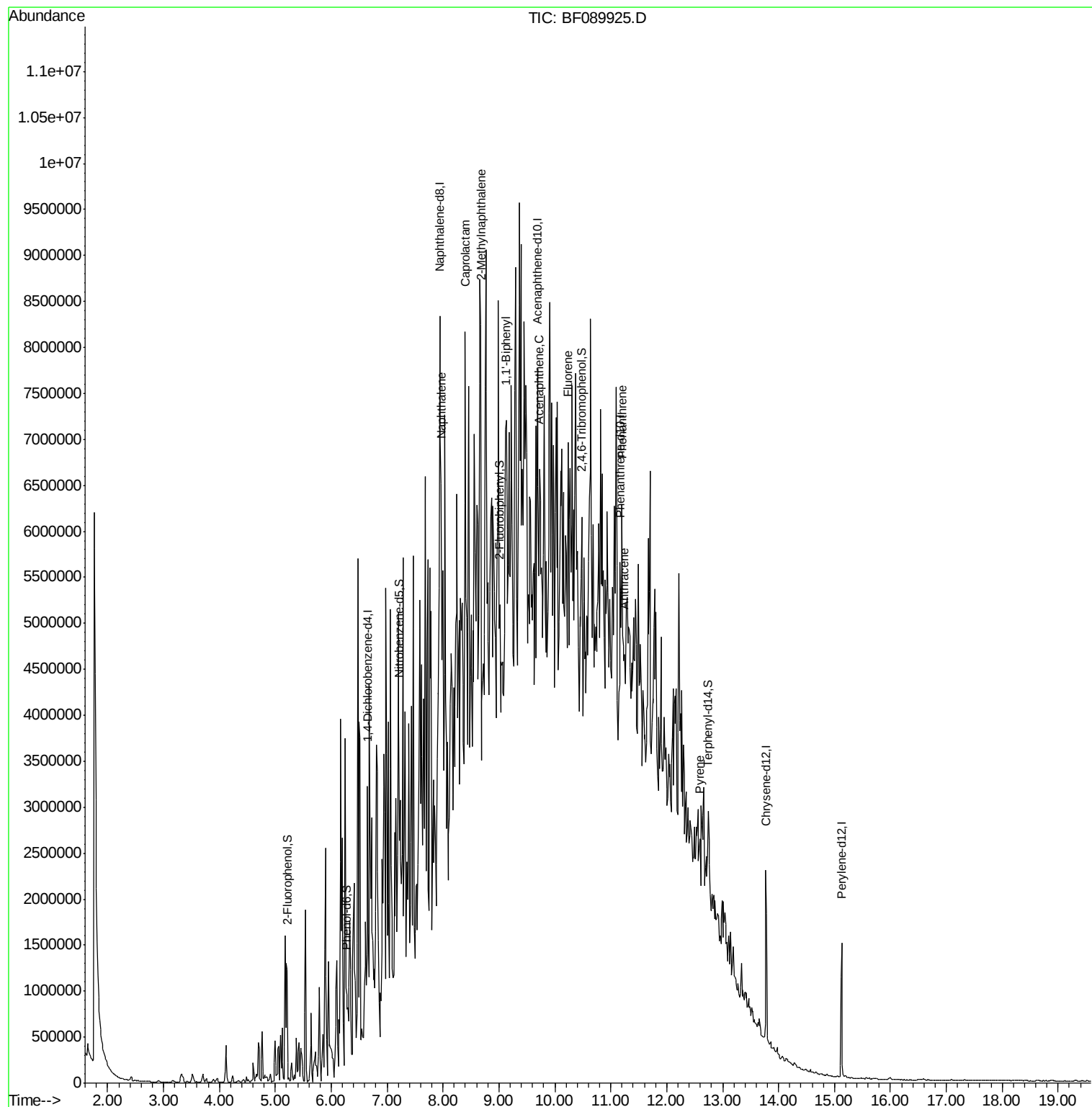
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	7.96	128	1847736	43.29	ng	99
35) Caprolactam	8.40	113	231333	61.04	ng	# 68
37) 2-Methylnaphthalene	8.67	142	3170283	114.80	ng	99
45) 1,1'-Biphenyl	9.12	154	534065	16.28	ng	96
51) Acenaphthene	9.72	154	267236	10.36	ng	93
57) Fluorene	10.24	166	565988	21.93	ng	# 88
70) Phenanthrene	11.20	178	1451593	31.86	ng	# 95
71) Anthracene	11.24	178	98460	2.13	ng	# 70
77) Pyrene	12.59	202	405893	5.80	ng	# 94

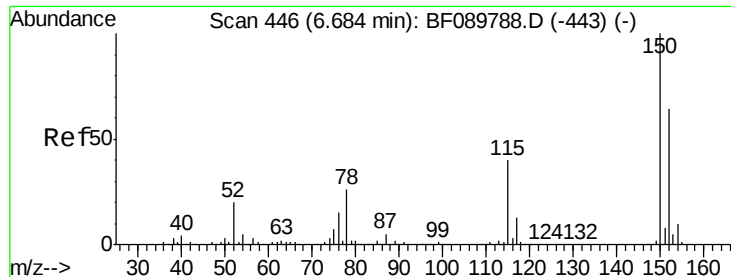
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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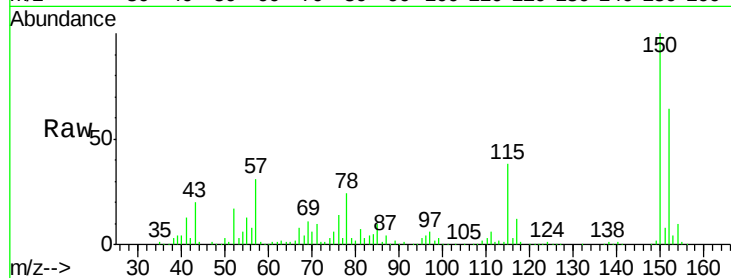


#1

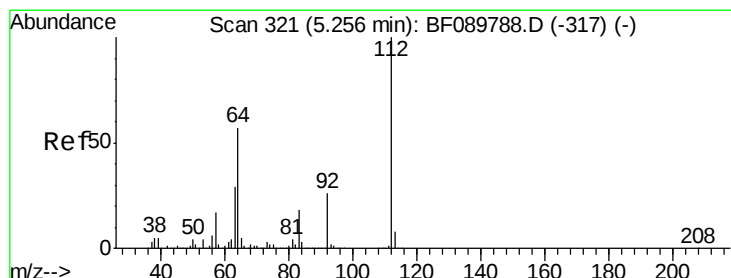
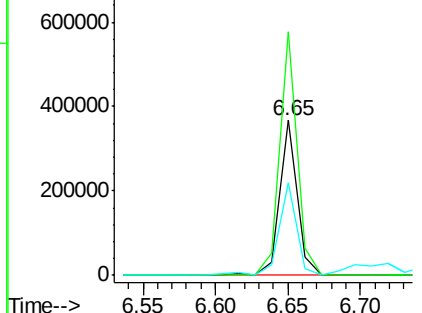
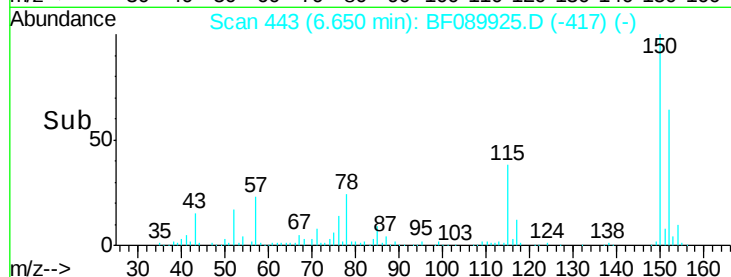
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.65 min Scan# 443
 Delta R.T. -0.00 min
 Lab File: BF089925.D
 Acq: 26 Aug 2016 23:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-21B-(3.6-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.3	187.9
115	60.1	40.9	61.3



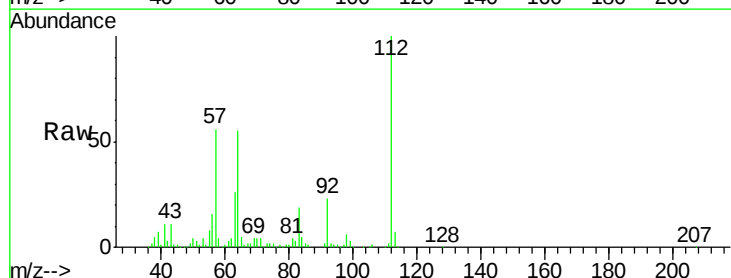
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



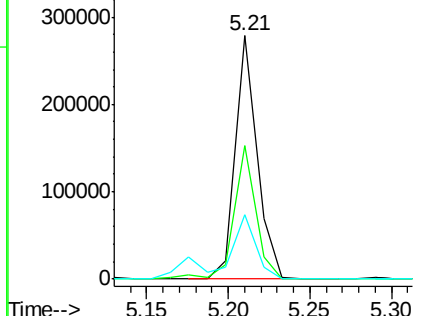
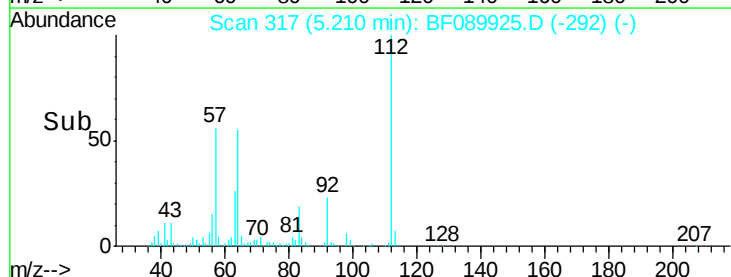
#5

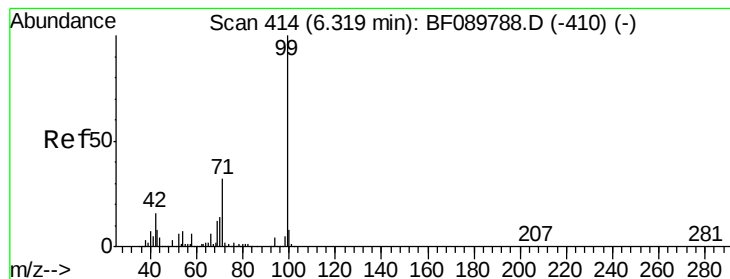
2-Fluorophenol
 Concen: 14.27 ng
 RT: 5.21 min Scan# 317
 Delta R.T. -0.01 min
 Lab File: BF089925.D
 Acq: 26 Aug 2016 23:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	45.0	67.4
63	26.5	23.1	34.7



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: 13.79 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.02 min

Lab File: BF089925.D

Acq: 26 Aug 2016 23:25

Instrument :

BNA_F

ClientSampleId :

SB-21B-(3.6-5)

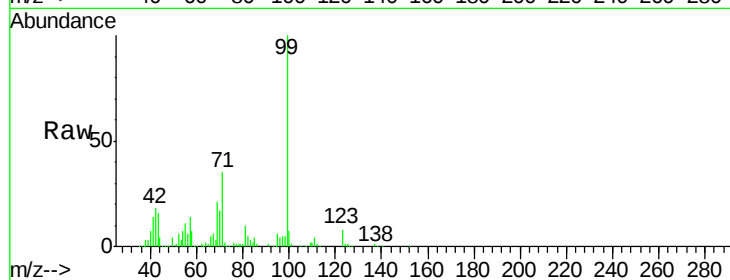
Tot Ion: 99 Resp: 303807

Ion Ratio Lower Upper

99 100

42 17.6 12.2 18.4

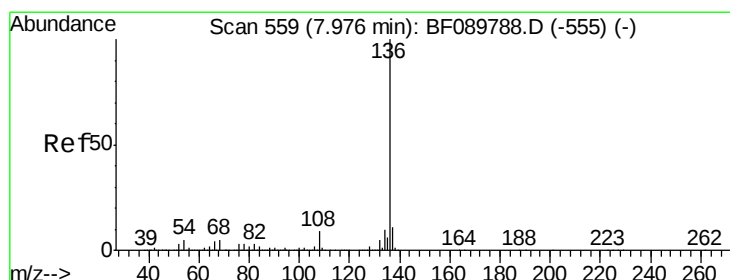
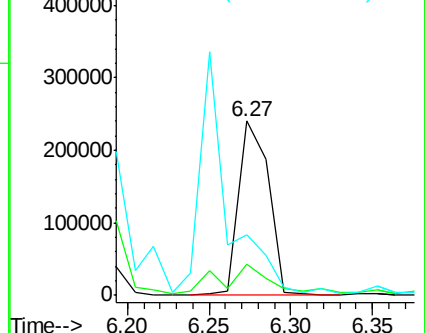
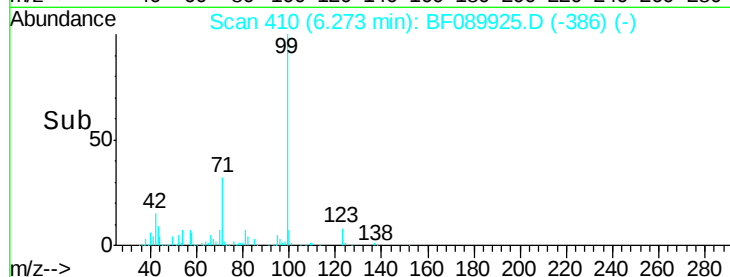
71 34.6 23.8 35.8



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: 7.94 min Scan# 556

Delta R.T. -0.00 min

Lab File: BF089925.D

Acq: 26 Aug 2016 23:25

Tgt Ion: 136 Resp: 913330

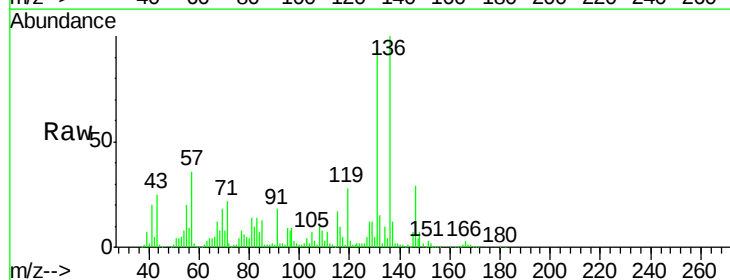
Ion Ratio Lower Upper

136 100

137 12.4 9.2 13.8

54 7.6 7.2 10.8

68 8.3 5.8 8.8

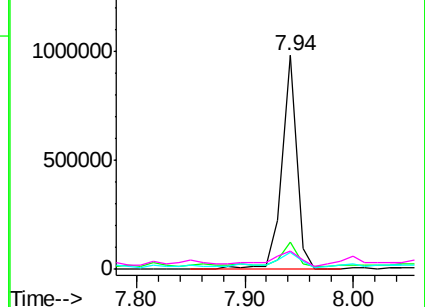
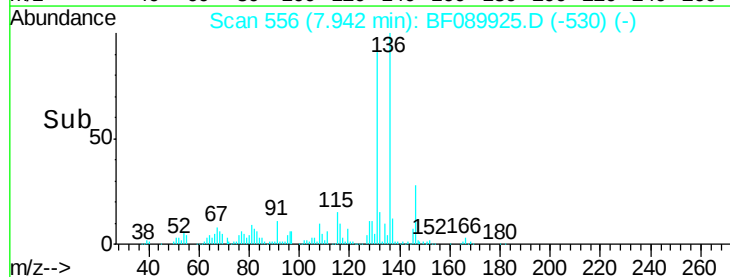


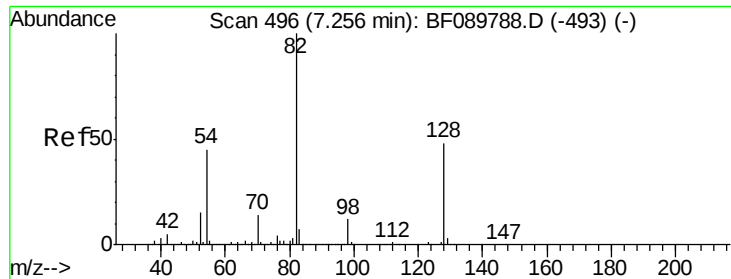
Abundance Ion 136.00 (135.70 to 136.70): E

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

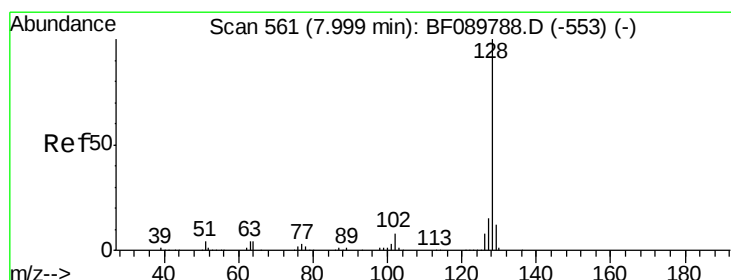
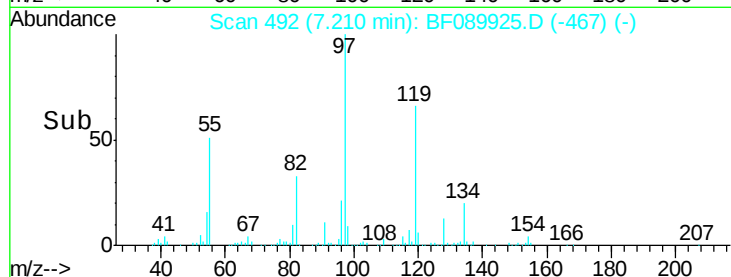
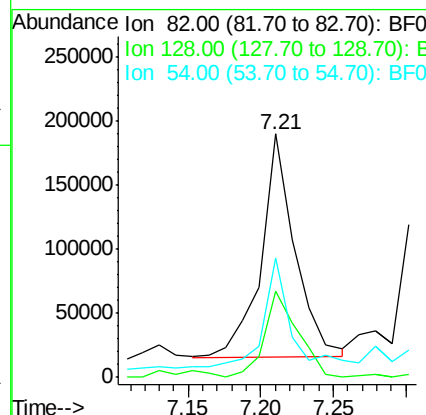
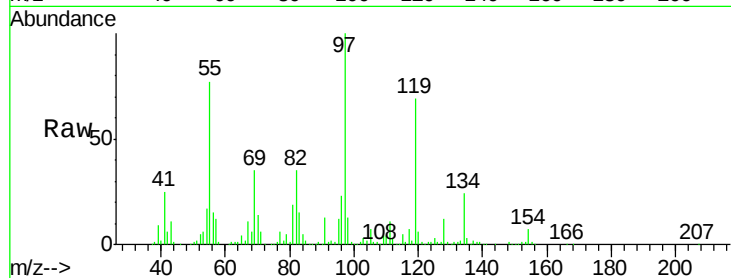




#23
 Nitrobenzene-d5
 Concen: 19.17 ng
 RT: 7.21 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: BF089925.D
 Acq: 26 Aug 2016 23:25

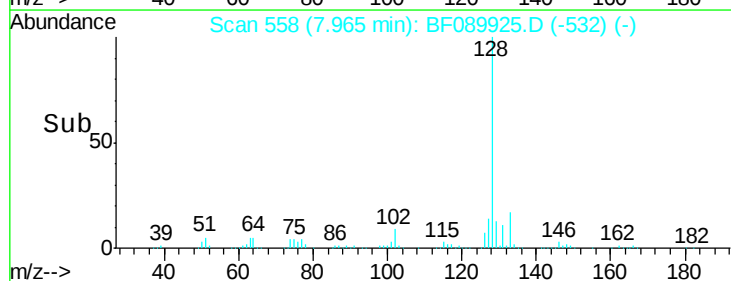
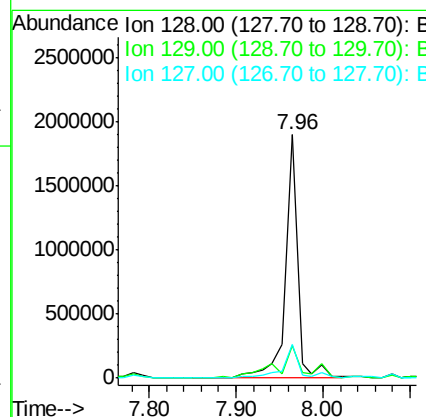
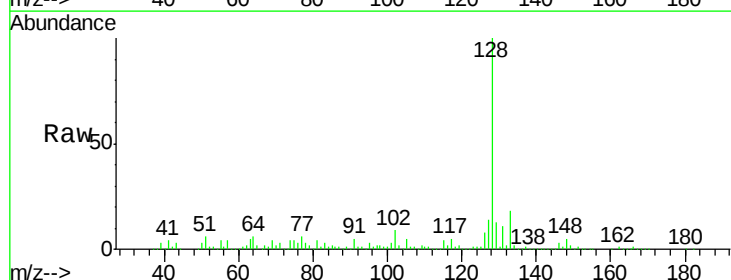
Instrument :
 BNA_F
 ClientSampleId :
 SB-21B-(3.6-5)

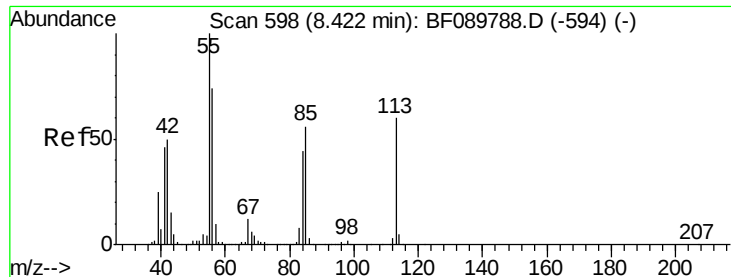
Tot Ion	82	Resp	281882
Ion Ratio	Lower	Upper	
82	100		
128	35.2	34.4	51.6
54	49.2	40.3	60.5



#31
 Naphthalene
 Concen: 43.29 ng
 RT: 7.96 min Scan# 558
 Delta R.T. -0.00 min
 Lab File: BF089925.D
 Acq: 26 Aug 2016 23:25

Tgt Ion	128	Resp	1847736
Ion Ratio	Lower	Upper	
128	100		
129	13.1	9.5	14.3
127	14.1	11.3	16.9





#35

Caprolactam

Concen: 61.04 ng

RT: 8.40 min Scan# 596

Delta R.T. -0.01 min

Lab File: BF089925.D

Acq: 26 Aug 2016 23:25

Instrument :

BNA_F

ClientSampleId :

SB-21B-(3.6-5)

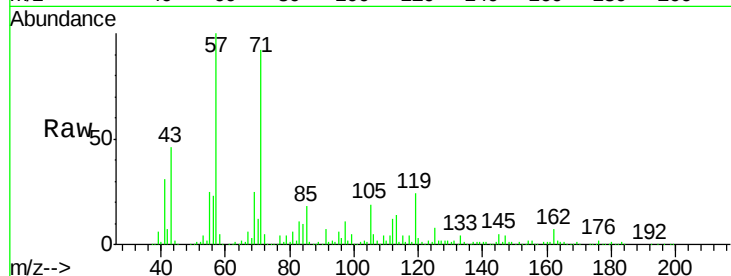
Tot Ion:113 Resp: 231333

Ion Ratio Lower Upper

113 100

55 182.9 135.9 175.9#

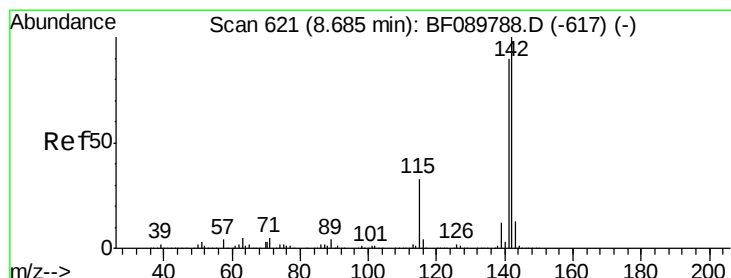
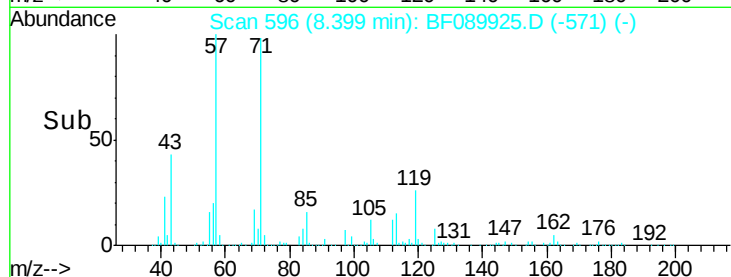
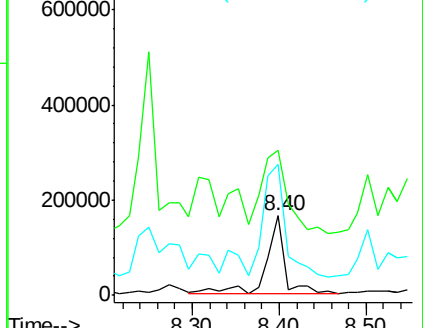
56 165.2 93.9 133.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 114.80 ng

RT: 8.67 min Scan# 620

Delta R.T. 0.02 min

Lab File: BF089925.D

Acq: 26 Aug 2016 23:25

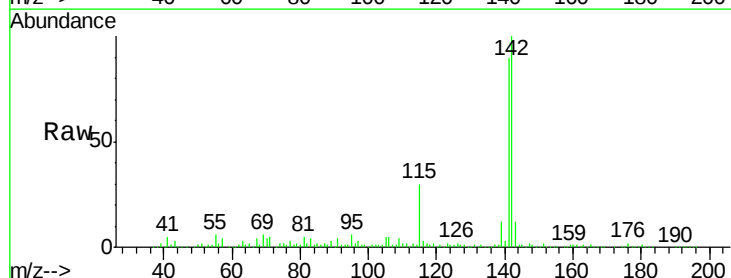
Tgt Ion:142 Resp: 3170283

Ion Ratio Lower Upper

142 100

141 89.7 71.4 107.2

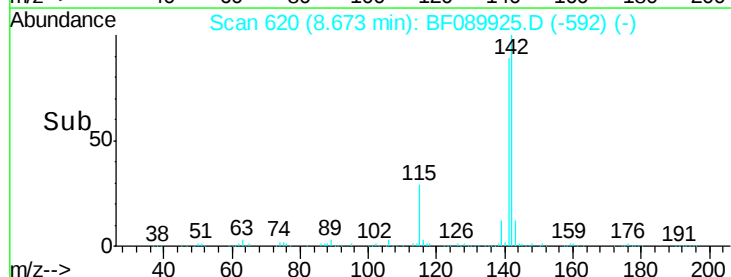
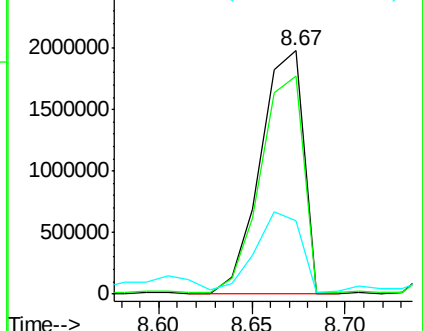
115 30.3 22.7 34.1

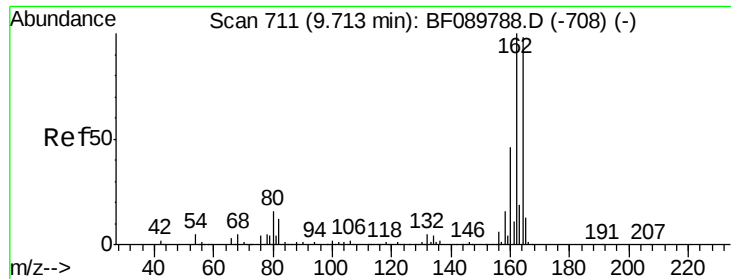


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.69 min Scan# 709

Delta R.T. -0.00 min

Lab File: BF089925.D

Acq: 26 Aug 2016 23:25

Instrument :

BNA_F

ClientSampleId :

SB-21B-(3.6-5)

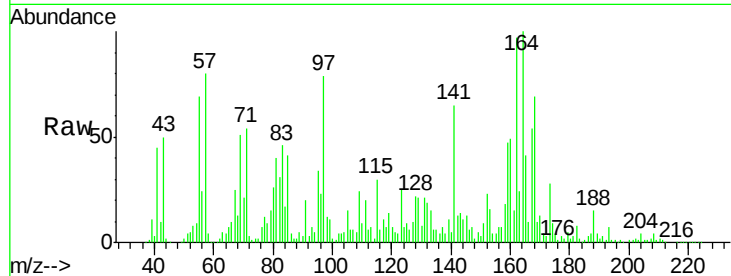
Tot Ion:164 Resp: 423917

Ion Ratio Lower Upper

164 100

162 96.9 81.4 122.2

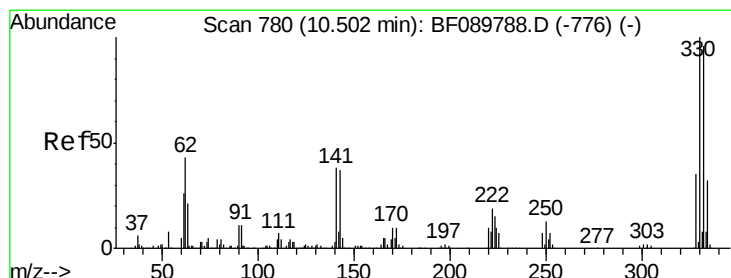
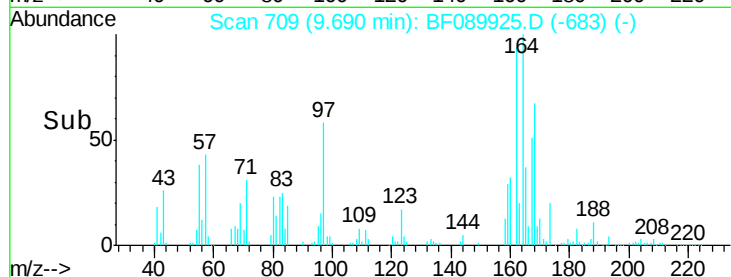
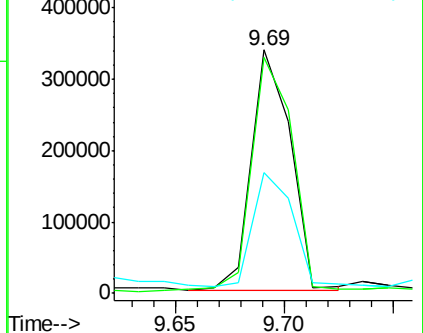
160 49.4 37.8 56.6



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: 13.71 ng

RT: 10.48 min Scan# 778

Delta R.T. -0.00 min

Lab File: BF089925.D

Acq: 26 Aug 2016 23:25

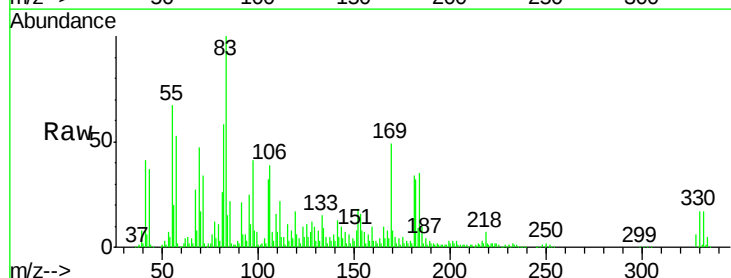
Tgt Ion:330 Resp: 55233

Ion Ratio Lower Upper

330 100

332 98.5 76.7 115.1

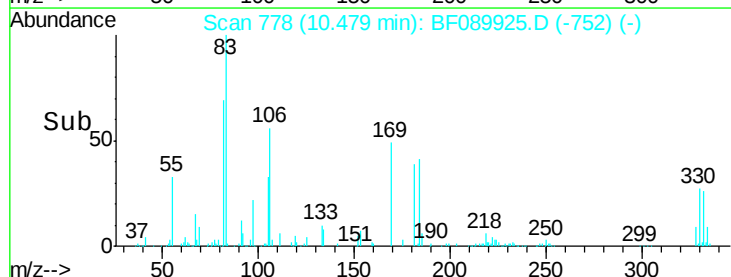
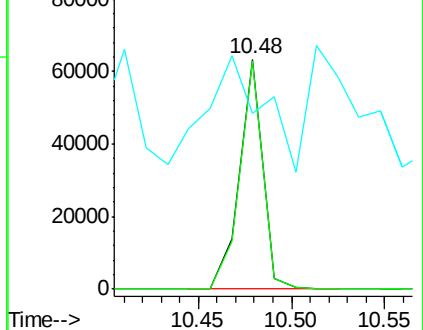
141 123.0 30.2 45.2#

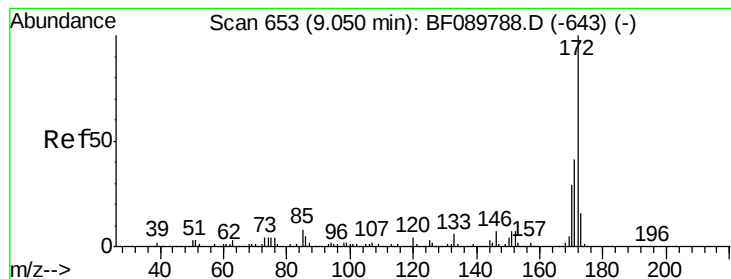


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 13.20 ng

RT: 9.02 min Scan# 650

Delta R.T. -0.00 min

Lab File: BF089925.D

Acq: 26 Aug 2016 23:25

Instrument :

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ClientSampleId :

SB-21B-(3.6-5)

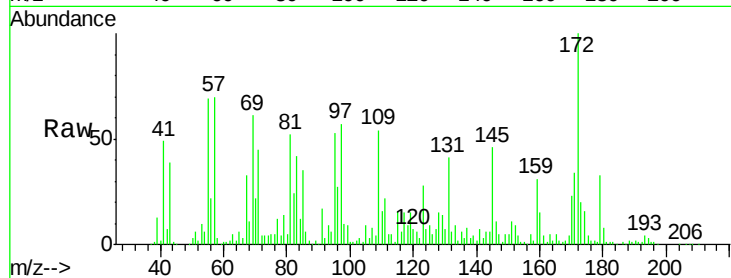
Tot Ion:172 Resp: 318320

Ion Ratio Lower Upper

172 100

171 34.4 30.5 45.7

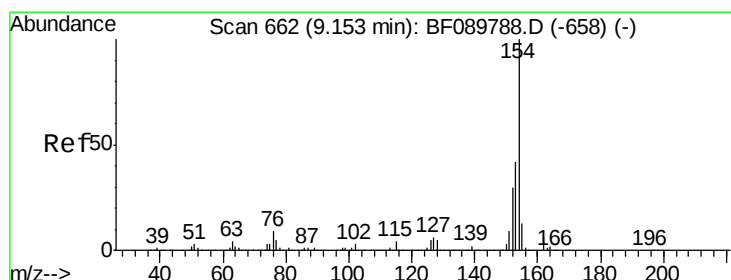
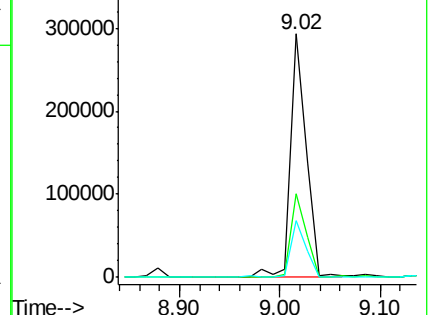
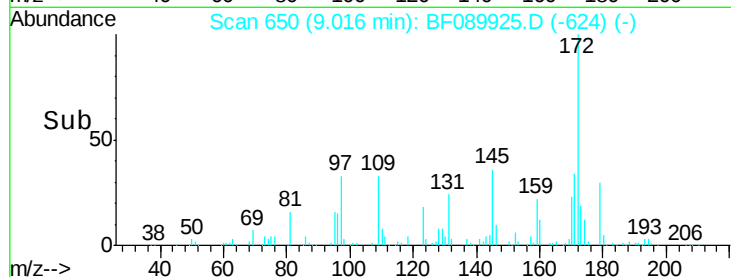
170 23.4 20.6 31.0



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



#45

1,1'-Biphenyl

Concen: 16.28 ng

RT: 9.12 min Scan# 659

Delta R.T. -0.00 min

Lab File: BF089925.D

Acq: 26 Aug 2016 23:25

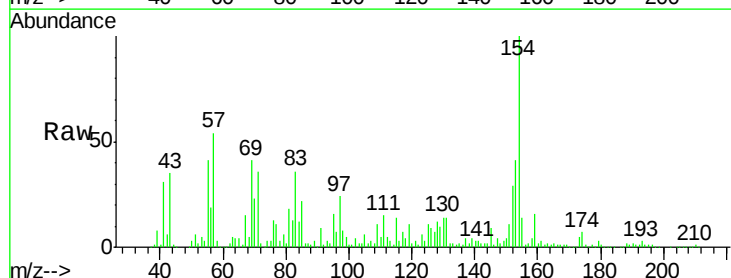
Tgt Ion:154 Resp: 534065

Ion Ratio Lower Upper

154 100

153 40.6 21.5 61.5

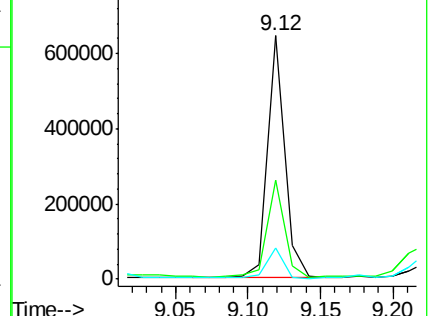
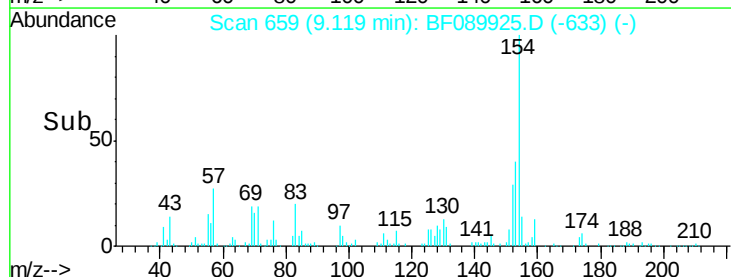
76 12.5 0.0 36.7

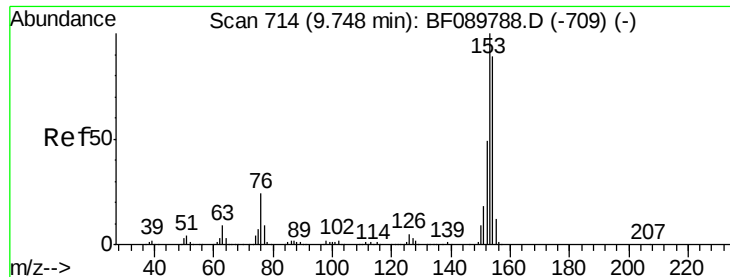


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#51

Acenaphthene

Concen: 10.36 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.00 min

Lab File: BF089925.D

Acq: 26 Aug 2016 23:25

Instrument :

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SB-21B-(3.6-5)

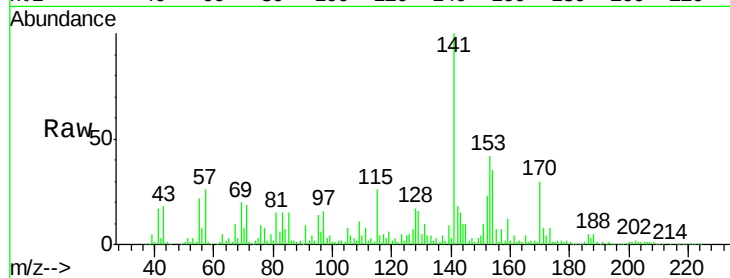
Tot Ion:154 Resp: 267236

Ion Ratio Lower Upper

154 100

153 118.7 90.5 135.7

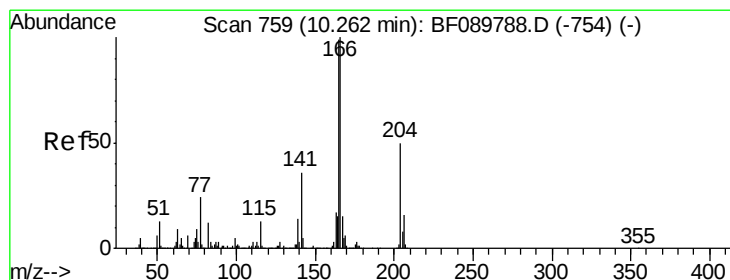
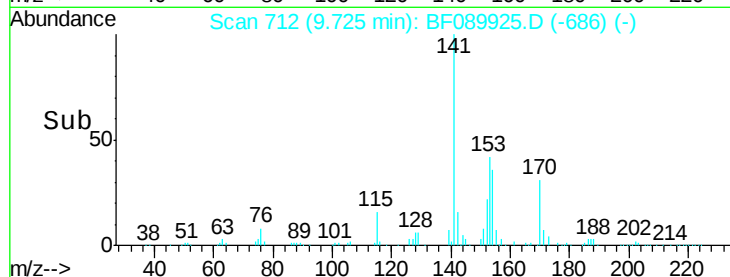
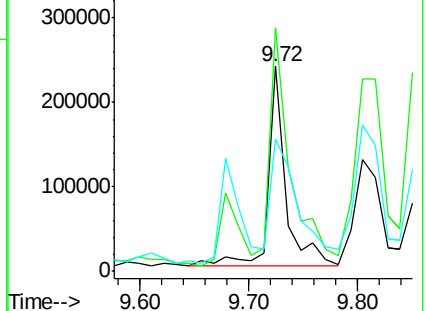
152 64.6 44.6 67.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 21.93 ng

RT: 10.24 min Scan# 757

Delta R.T. 0.01 min

Lab File: BF089925.D

Acq: 26 Aug 2016 23:25

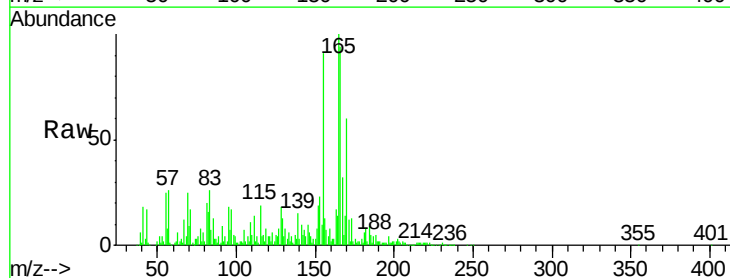
Tgt Ion:166 Resp: 565988

Ion Ratio Lower Upper

166 100

165 106.6 80.2 120.4

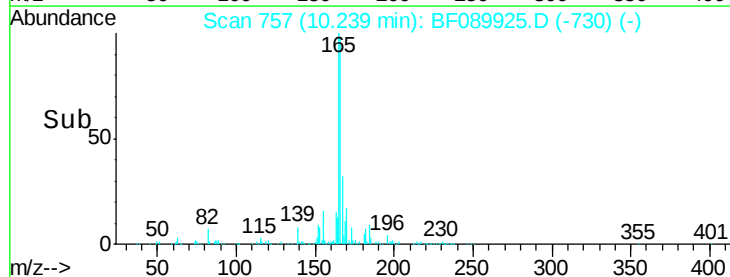
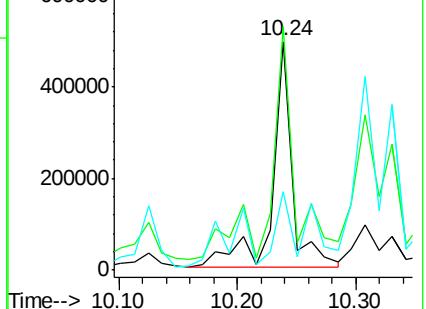
167 34.5 11.3 16.9#

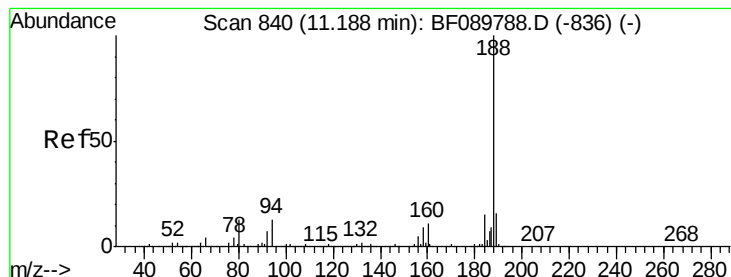


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.16 min Scan# 838

Delta R.T. 0.01 min

Lab File: BF089925.D

Acq: 26 Aug 2016 23:25

Instrument :

BNA_F

ClientSampleId :

SB-21B-(3.6-5)

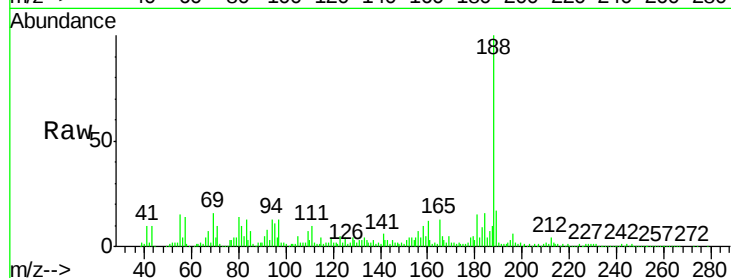
Tot Ion:188 Resp: 902227

Ion Ratio Lower Upper

188 100

94 13.4 10.2 15.2

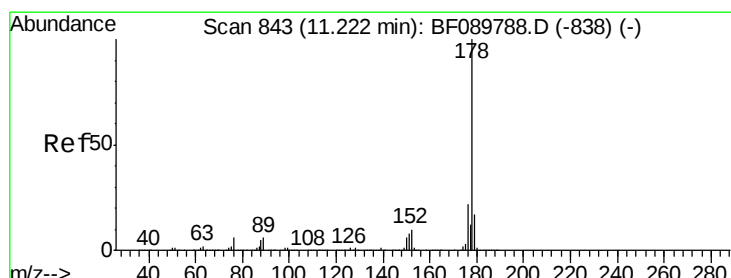
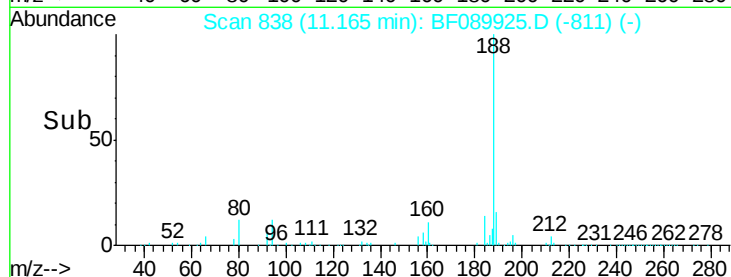
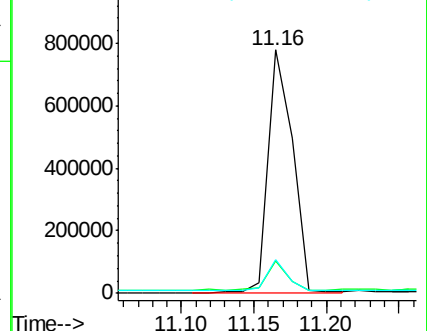
80 13.7 10.9 16.3



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: 31.86 ng

RT: 11.20 min Scan# 841

Delta R.T. 0.01 min

Lab File: BF089925.D

Acq: 26 Aug 2016 23:25

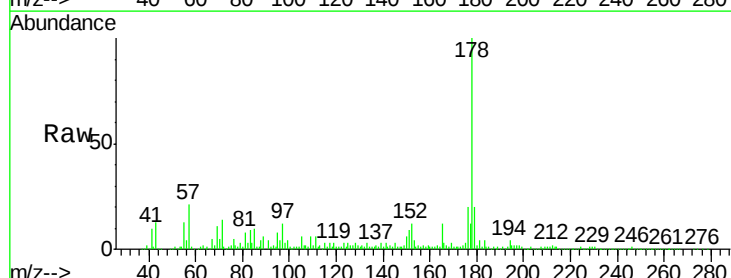
Tgt Ion:178 Resp: 1451593

Ion Ratio Lower Upper

178 100

176 19.7 16.4 24.6

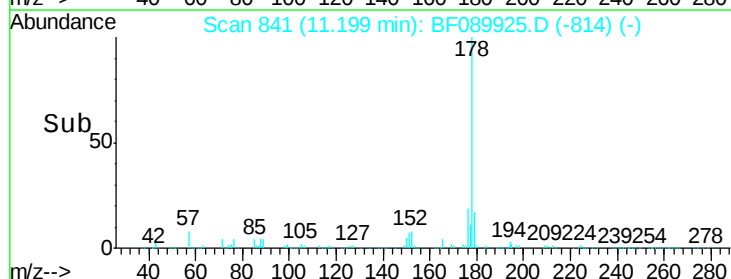
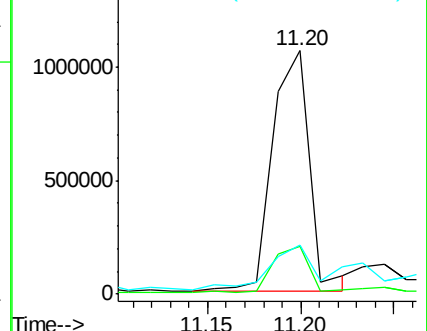
179 19.9 12.5 18.7#

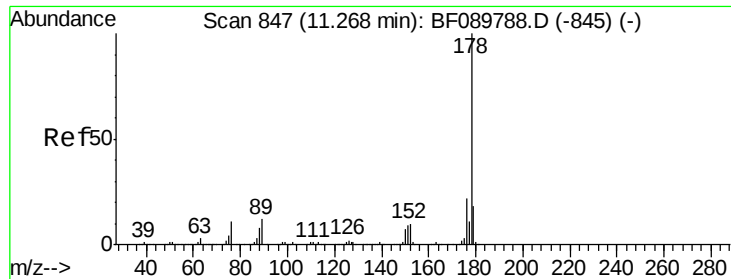


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

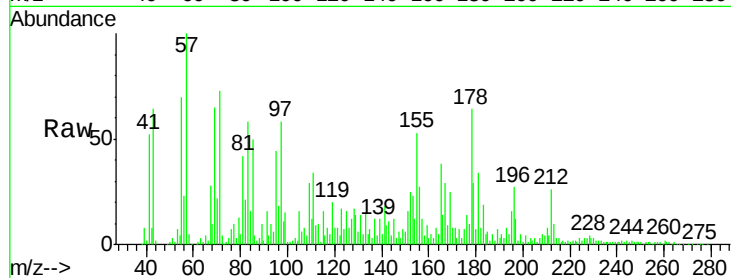




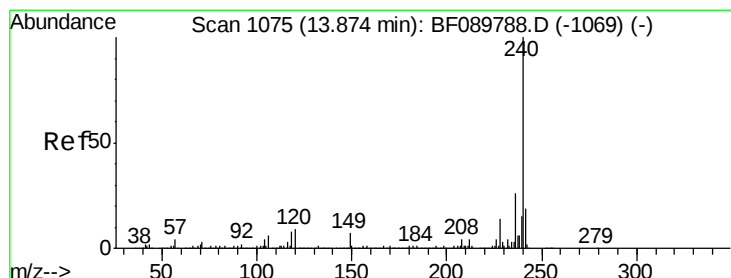
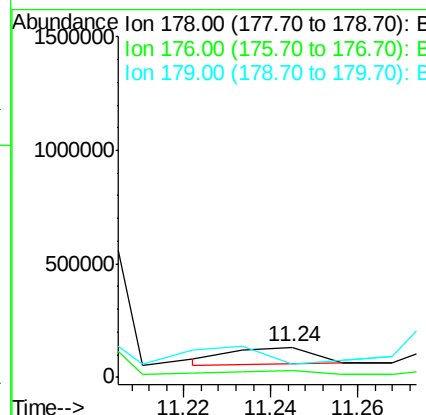
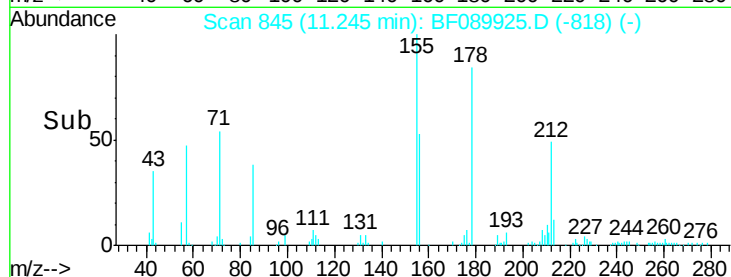
#71
 Anthracene
 Concen: 2.13 ng
 RT: 11.24 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: BF089925.D
 Acq: 26 Aug 2016 23:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-21B-(3.6-5)

Tot Ion:178 Resp: 98460
 Ion Ratio Lower Upper
 178 100
 176 21.1 16.4 24.6
 179 44.7 13.1 19.7#

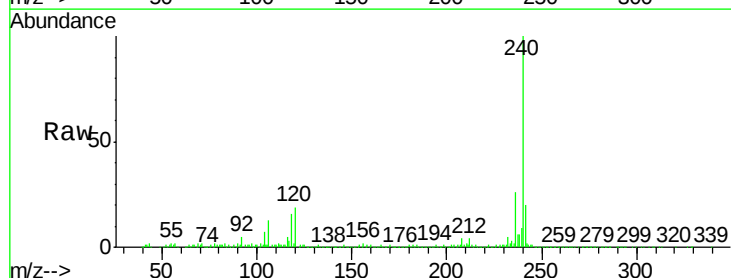


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

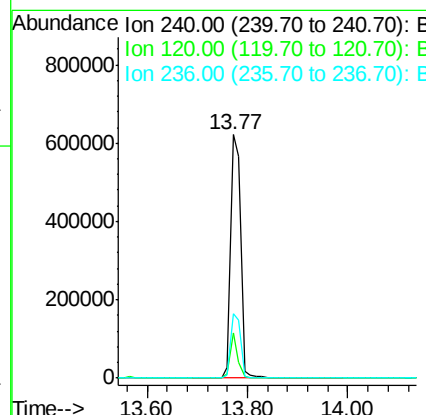
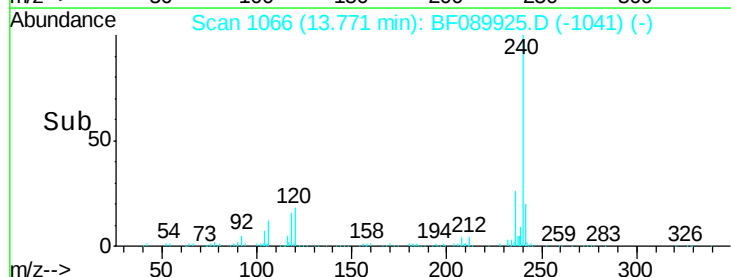


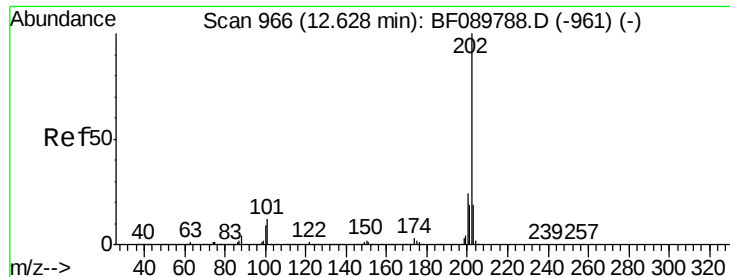
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: BF089925.D
 Acq: 26 Aug 2016 23:25

Tgt Ion:240 Resp: 859171
 Ion Ratio Lower Upper
 240 100
 120 18.7 8.3 12.5#
 236 26.3 21.3 31.9



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: 5.80 ng

RT: 12.59 min Scan# 963

Delta R.T. 0.01 min

Lab File: BF089925.D

Acq: 26 Aug 2016 23:25

Instrument :

BNA_F

ClientSampleId :

SB-21B-(3.6-5)

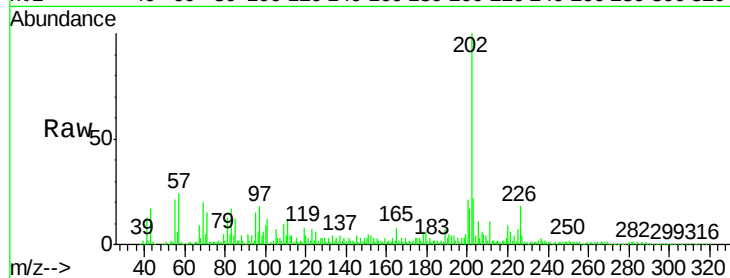
Tot Ion:202 Resp: 405893

Ion Ratio Lower Upper

202 100

200 21.0 17.8 26.6

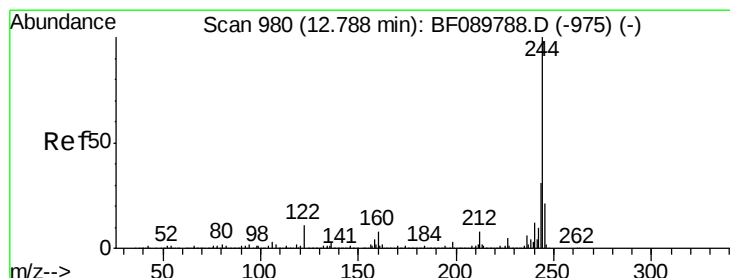
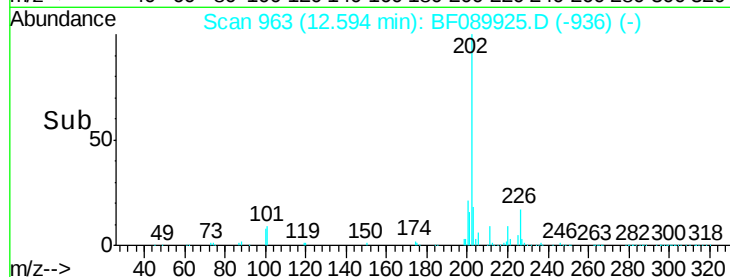
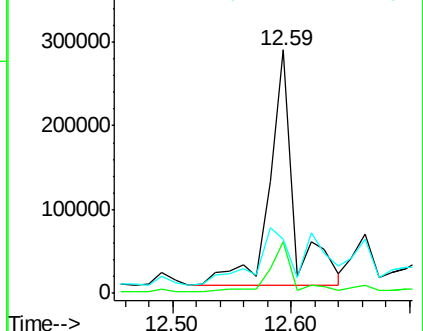
203 22.1 14.2 21.4#



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: 8.00 ng

RT: 12.74 min Scan# 976

Delta R.T. -0.00 min

Lab File: BF089925.D

Acq: 26 Aug 2016 23:25

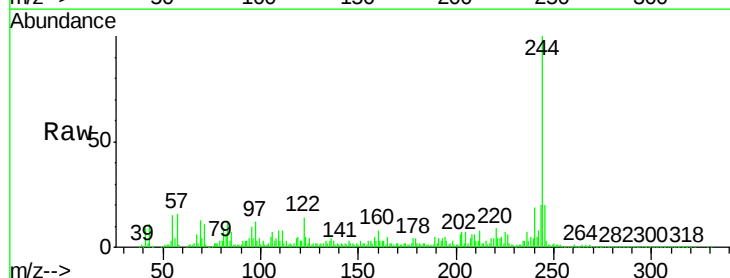
Tgt Ion:244 Resp: 303705

Ion Ratio Lower Upper

244 100

212 7.5 6.3 9.5

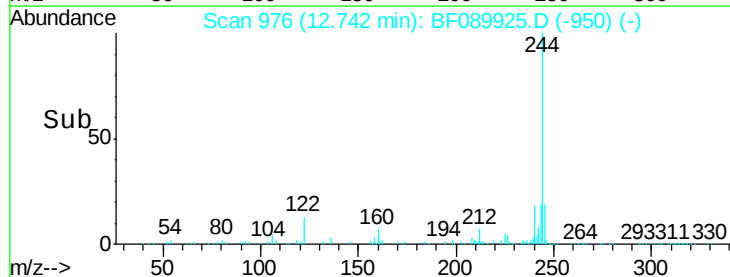
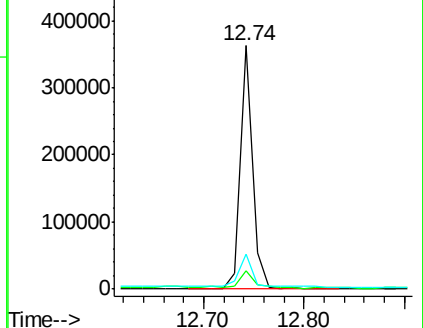
122 14.3 12.0 18.0

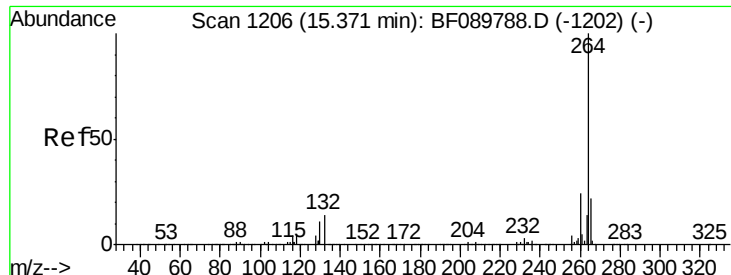


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

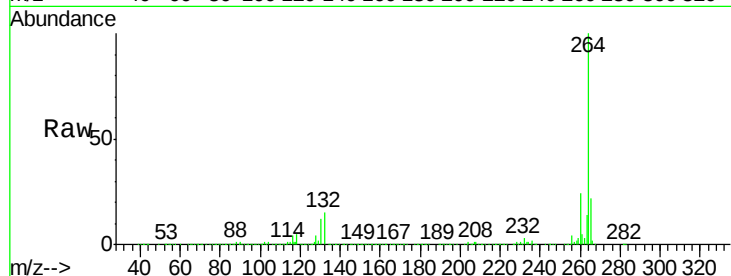




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.13 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: BF089925.D
 Acq: 26 Aug 2016 23:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-21B-(3.6-5)

Tot Ion:	264	Resp:	725487
Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.2	30.2
265	22.3	17.4	26.2



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

