

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097913.D
 Acq On : 21 Aug 2017 18:55
 Operator : SJ/JU
 Sample : I4838-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-106-F(0-5)COMP

Quant Time: Aug 22 03:58:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

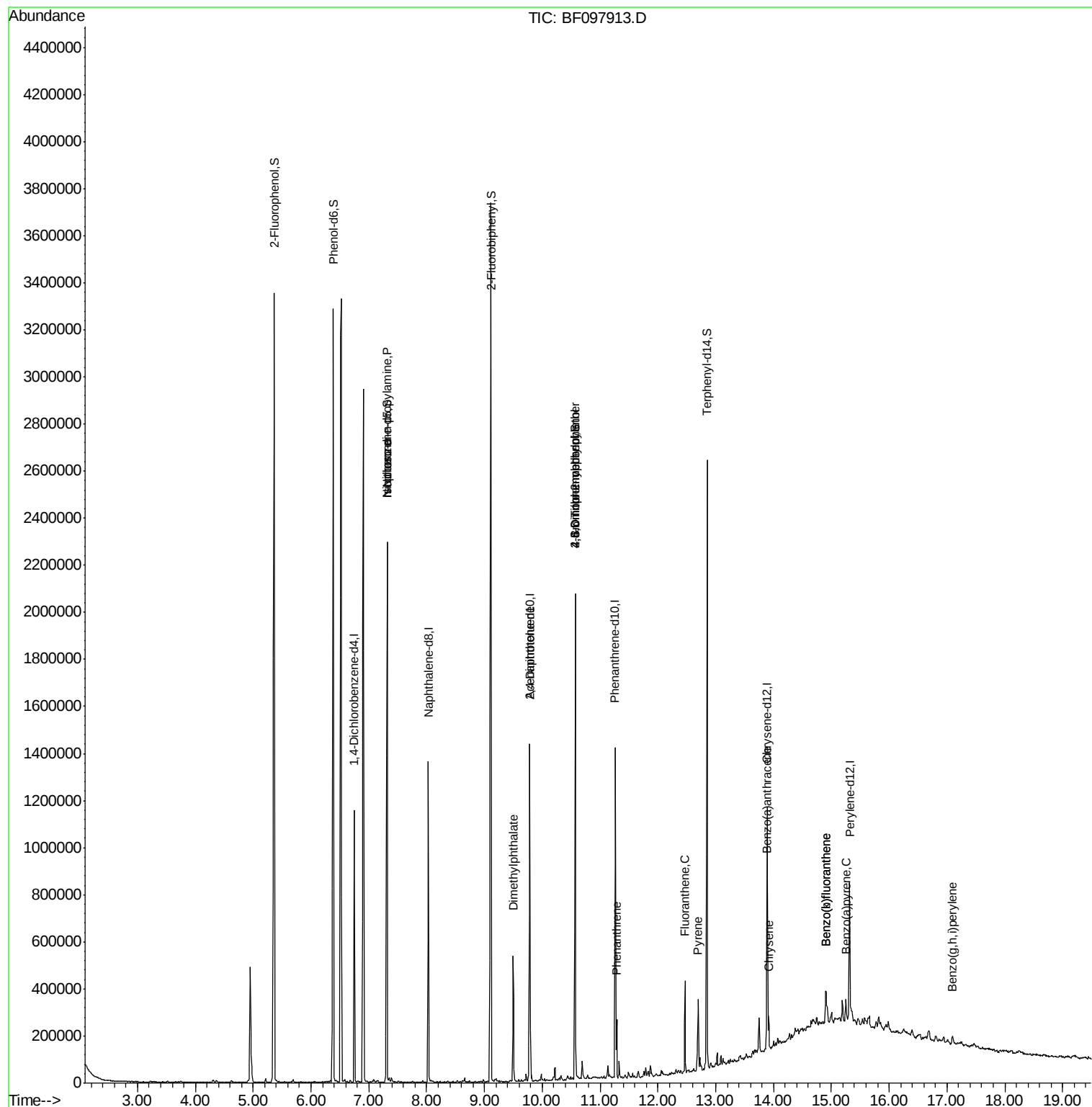
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	148206	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	601000	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	257119	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	448475	20.00	ng	0.00
75) Chrysene-d12	13.89	240	308746	20.00	ng	0.00
86) Perylene-d12	15.32	264	267988	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1063124	109.11	ng	0.01
7) Phenol-d6	6.39	99	1505013	113.68	ng	0.00
23) Nitrobenzene-d5	7.32	82	925844	83.69	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	242884	108.87	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	1190183	68.01	ng	0.00
78) Terphenyl-d14	12.85	244	763929	51.60	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.32	70	126179	13.92	ng	# 70
25) Isophorone	7.32	82	920133	40.00	ng	# 67
49) Dimethylphthalate	9.50	163	173070	9.21	ng	99
56) 2,4-Dinitrotoluene	9.78	165	33949	7.21	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.57	198	539	8.53	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	15385	3.30	ng	# 1
70) Phenanthrene	11.29	178	80411	3.36	ng	98
74) Fluoranthene	12.47	202	138411	5.55	ng	99
77) Pyrene	12.70	202	119814	4.74	ng	98
80) Benzo(a)anthracene	13.88	228	56527	3.05	ng	100
82) Chrysene	13.92	228	50578	2.75	ng	97
87) Benzo(b)fluoranthene	14.90	252	86334	5.11	ng	95
88) Benzo(k)fluoranthene	14.90	252	86334	5.44	ng	94
89) Benzo(a)pyrene	15.25	252	45422	3.04	ng	97
91) Benzo(a,h,i)perylene	17.10	276	25598	2.02	ng	91

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

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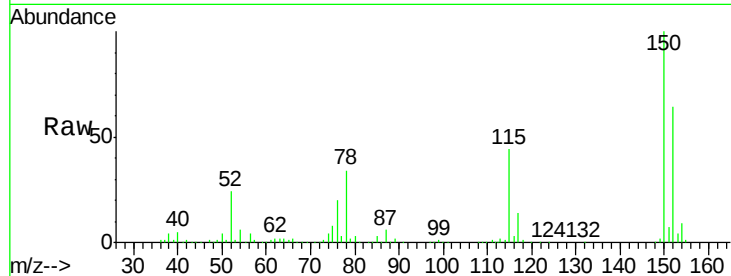


#1

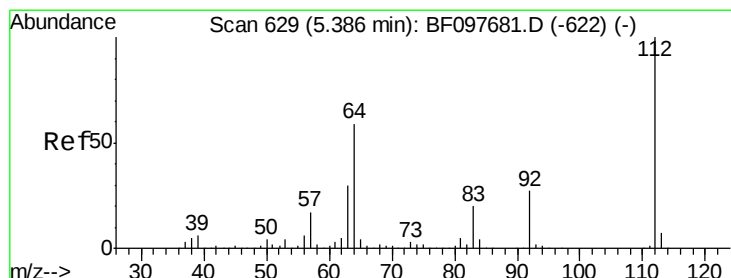
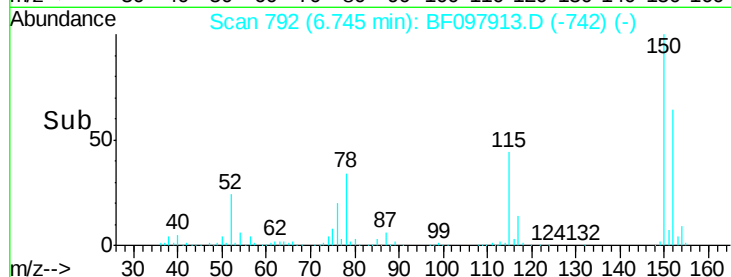
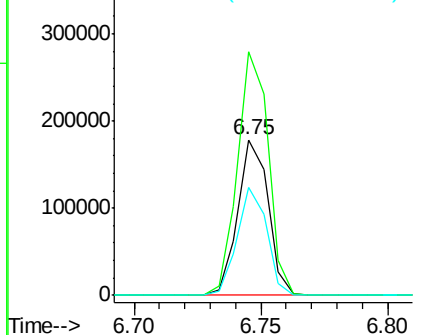
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF097913.D
Acq: 21 Aug 2017 18:55

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-F(0-5)COMP

Tot Ion:152 Resp: 148206
Ion Ratio Lower Upper
152 100
150 156.5 126.2 189.2
115 69.4 52.2 78.2



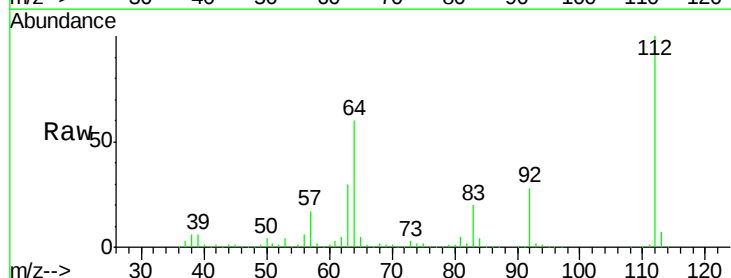
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



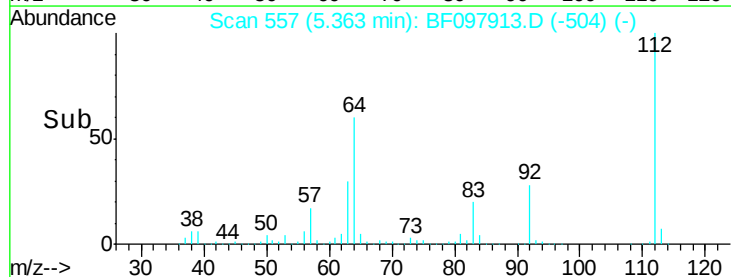
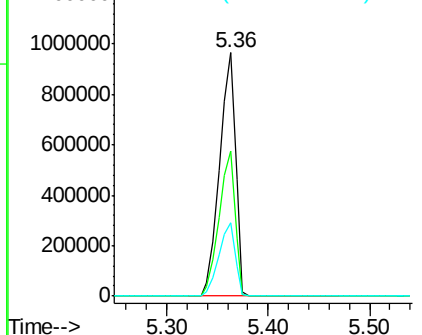
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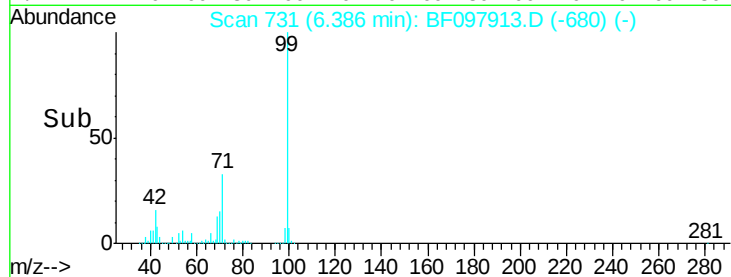
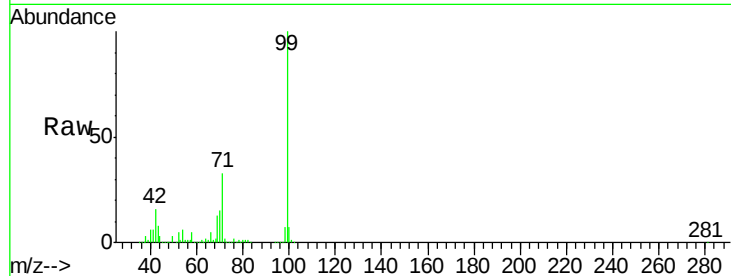
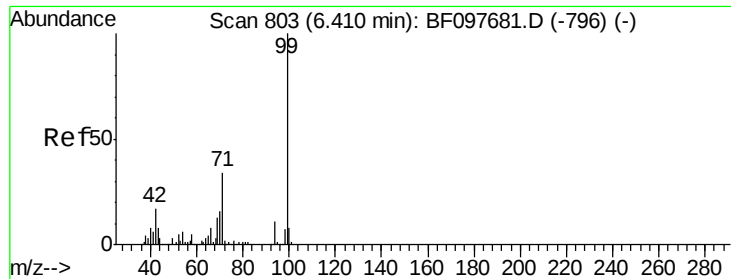
2-Fluorophenol
Concen: 109.11 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF097913.D
Acq: 21 Aug 2017 18:55

Tgt Ion:112 Resp: 1063124
Ion Ratio Lower Upper
112 100
64 59.6 46.0 69.0
63 30.2 23.4 35.0



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: 113.68 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF097913.D

Acq: 21 Aug 2017 18:55

Instrument :

BNA_F

ClientSampleId :

SASP2P-TP-106-F(0-5)COMP

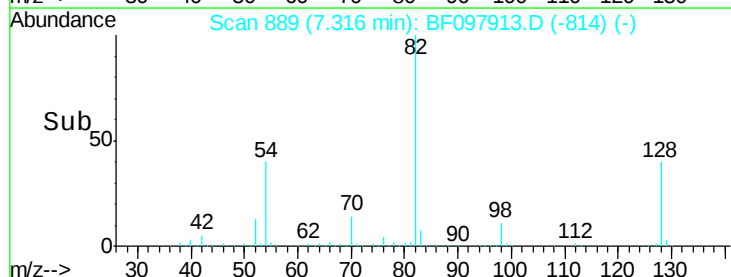
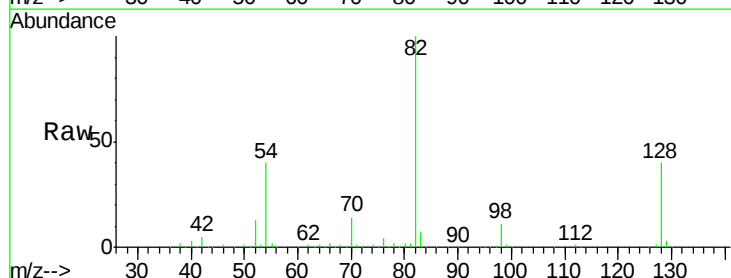
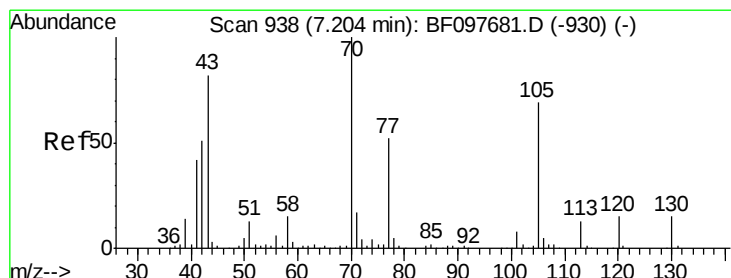
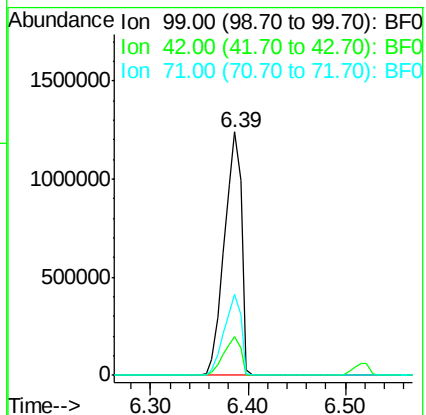
Tot Ion: 99 Resp: 1505013

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

71 33.3 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 13.92 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF097913.D

Acq: 21 Aug 2017 18:55

Tgt Ion: 70 Resp: 126179

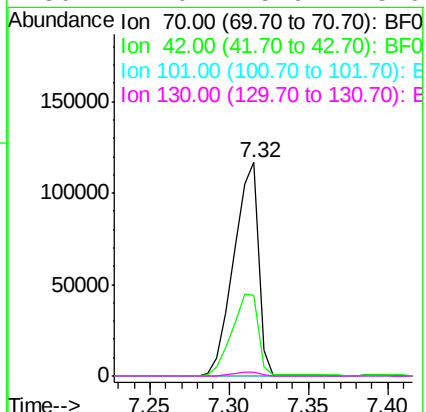
Ion Ratio Lower Upper

70 100

42 37.9 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF097913.D

Acq: 21 Aug 2017 18:55

Instrument :

BNA_F

ClientSampleId :

SASP2P-TP-106-F(0-5)COMP

Tot Ion:136 Resp: 601000

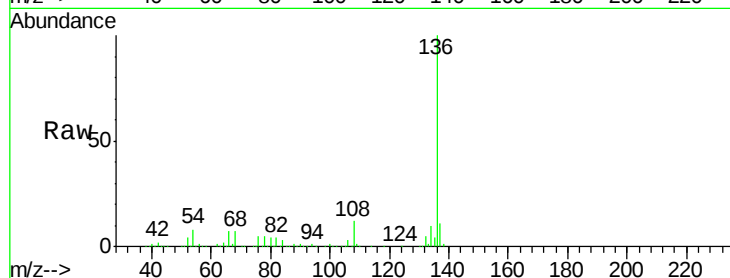
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 8.4 4.9 7.3#

68 7.4 4.1 6.1#

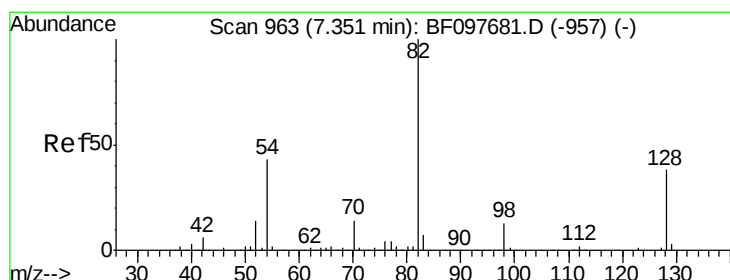
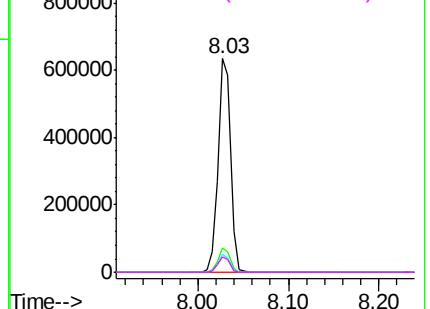
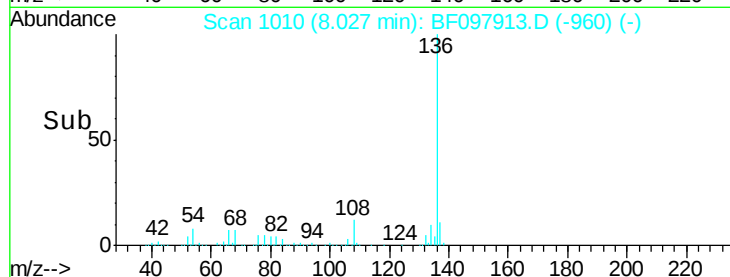


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.69 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF097913.D

Acq: 21 Aug 2017 18:55

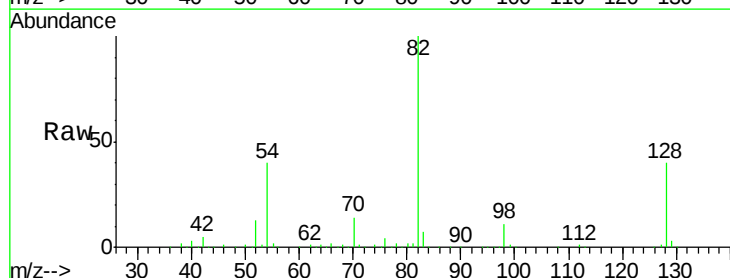
Tgt Ion: 82 Resp: 925844

Ion Ratio Lower Upper

82 100

128 40.4 34.0 51.0

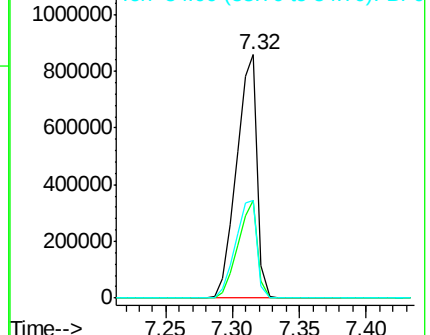
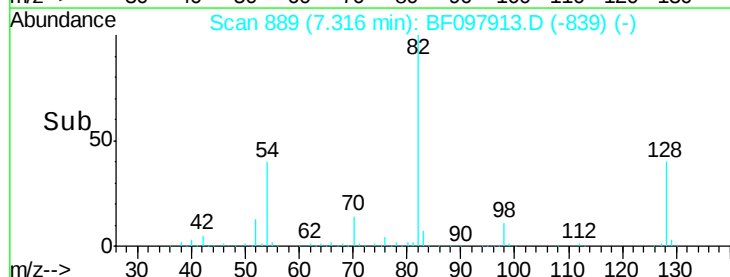
54 40.2 42.2 63.2#

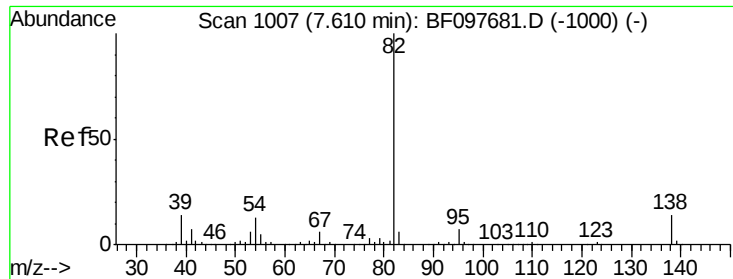


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

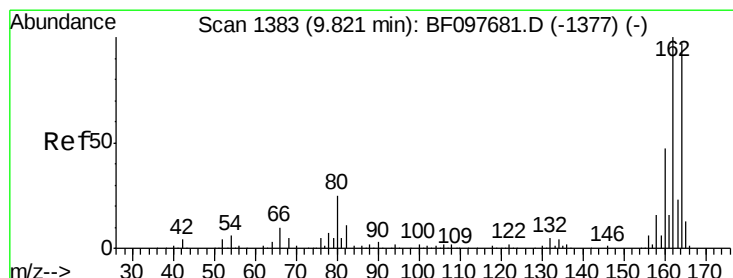
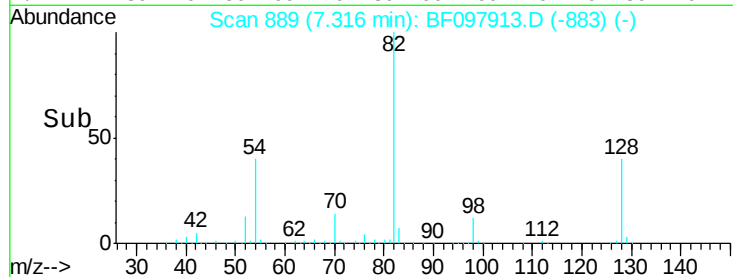
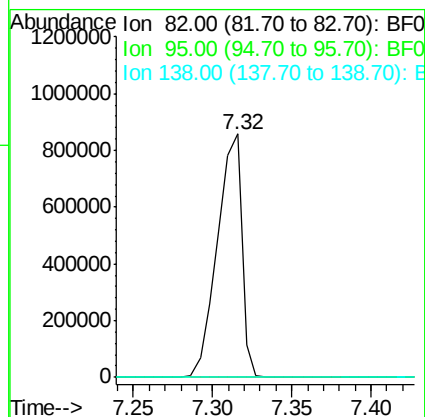
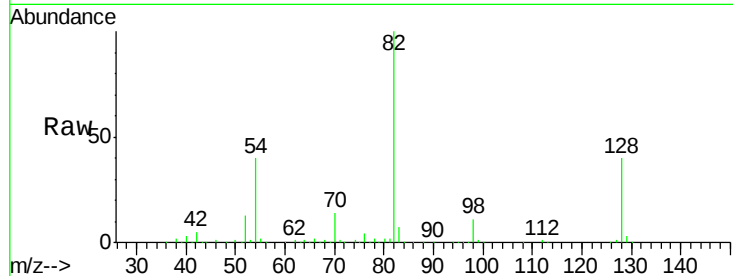




#25
Isophorone
Concen: 40.00 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.26 min
Lab File: BF097913.D
Acq: 21 Aug 2017 18:55

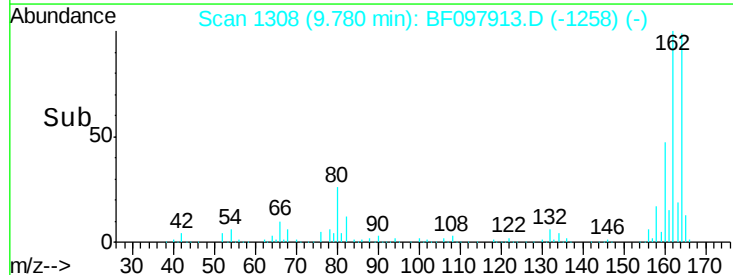
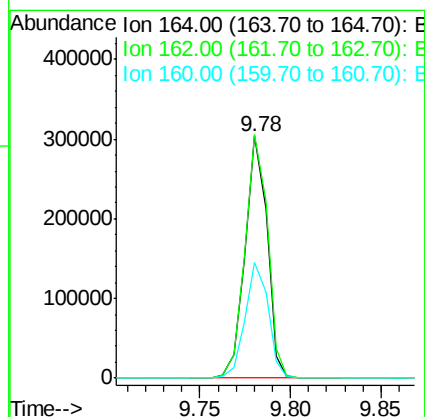
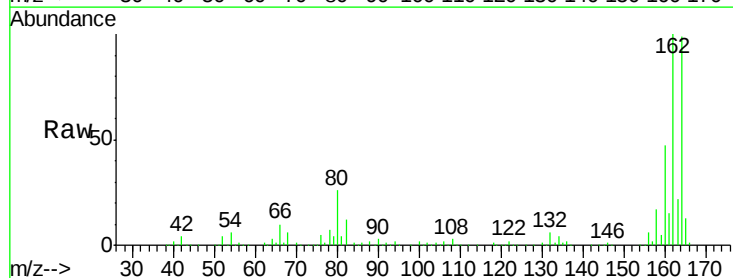
Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-F(0-5)COMP

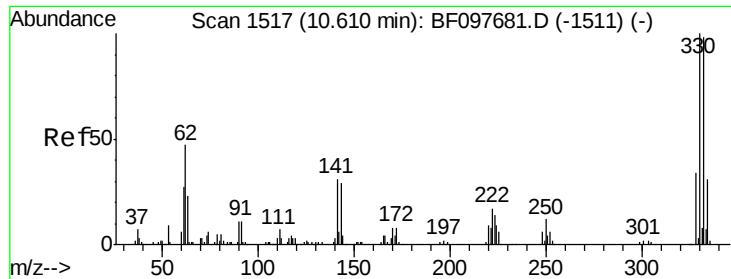
Tot Ion: 82 Resp: 920133
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF097913.D
Acq: 21 Aug 2017 18:55

Tgt Ion:164 Resp: 257119
Ion Ratio Lower Upper
164 100
162 100.7 82.6 123.8
160 47.8 36.2 54.2

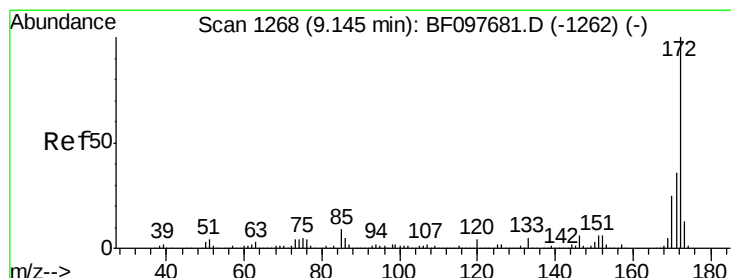
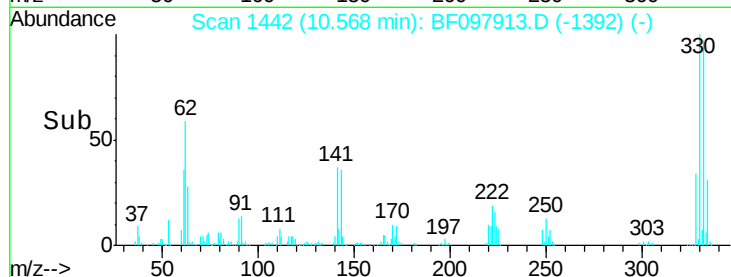
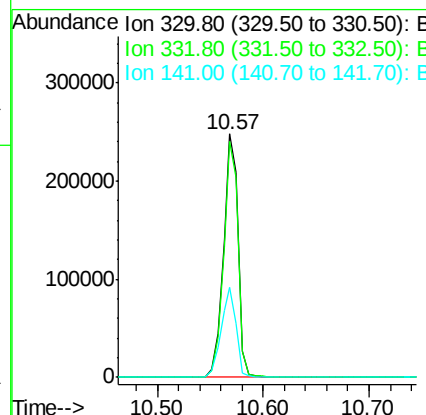
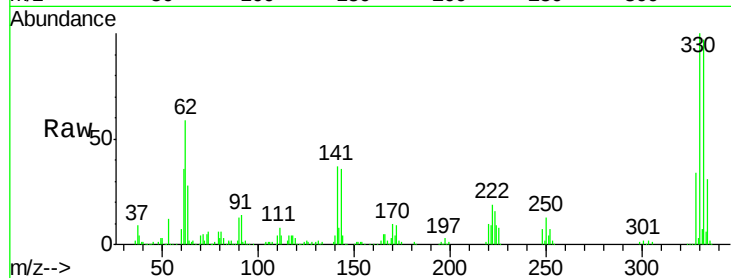




#41
 2,4,6-Tribromophenol
 Concen: 108.87 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF097913.D
 Acq: 21 Aug 2017 18:55

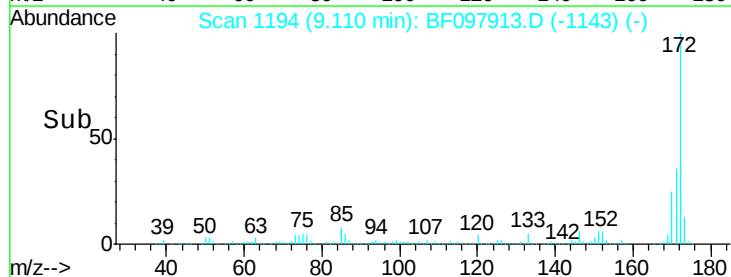
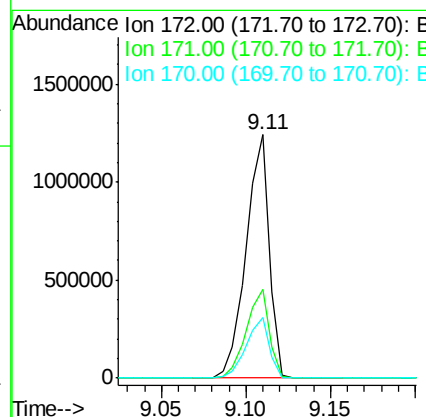
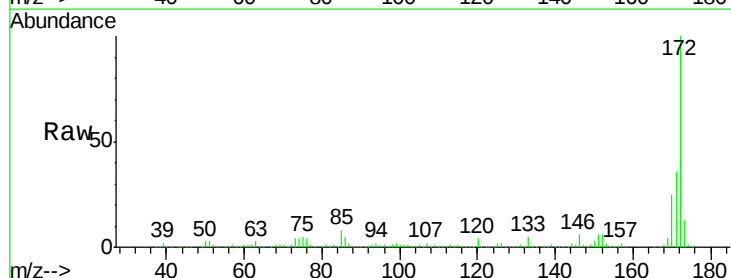
Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-106-F(0-5)COMP

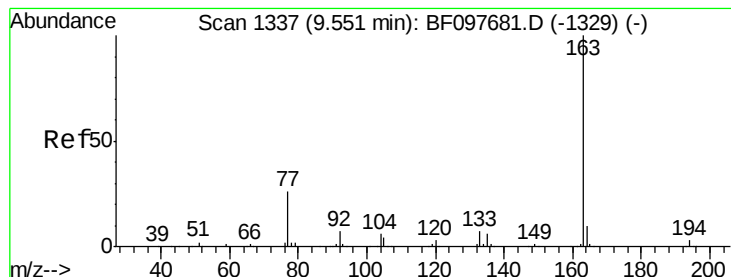
Tot Ion:330 Resp: 242884
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 115.0
 141 37.9 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 68.01 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: BF097913.D
 Acq: 21 Aug 2017 18:55

Tgt Ion:172 Resp: 1190183
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 25.0 19.8 29.8





#49

Dimethylphthalate

Concen: 9.21 ng

RT: 9.50 min Scan# 1260

Delta R.T. -0.02 min

Lab File: BF097913.D

Acq: 21 Aug 2017 18:55

Instrument :

BNA_F

ClientSampleId :

SASP2P-TP-106-F(0-5)COMP

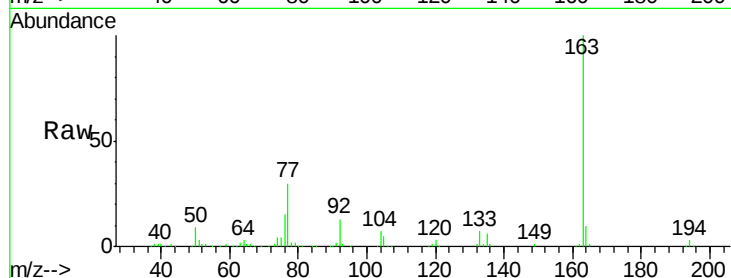
Tot Ion:163 Resp: 173070

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

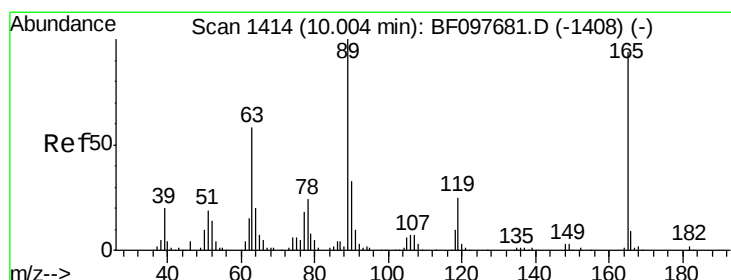
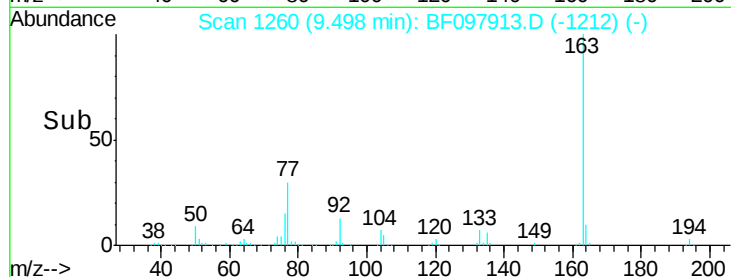
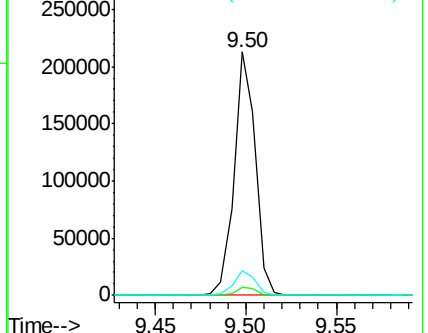
164 10.2 8.4 12.6



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



#56

2,4-Dinitrotoluene

Concen: 7.21 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.19 min

Lab File: BF097913.D

Acq: 21 Aug 2017 18:55

Tgt Ion:165 Resp: 33949

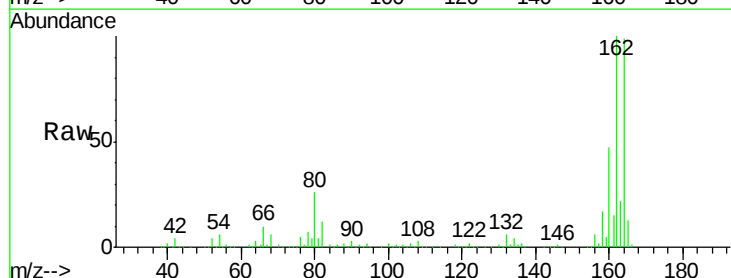
Ion Ratio Lower Upper

165 100

63 1.4 25.4 38.0#

89 1.5 46.4 69.6#

182 0.0 1.8 2.6#

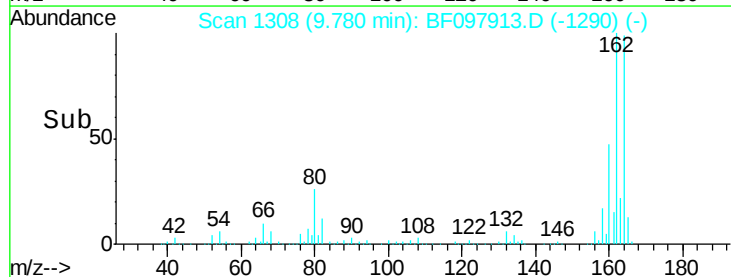
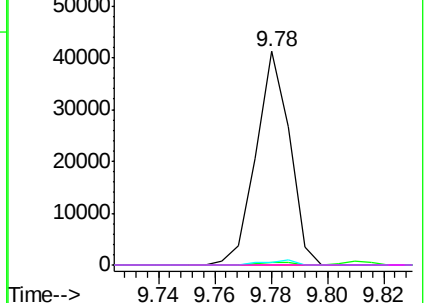


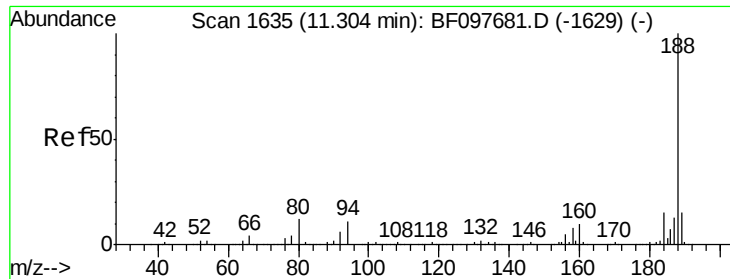
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

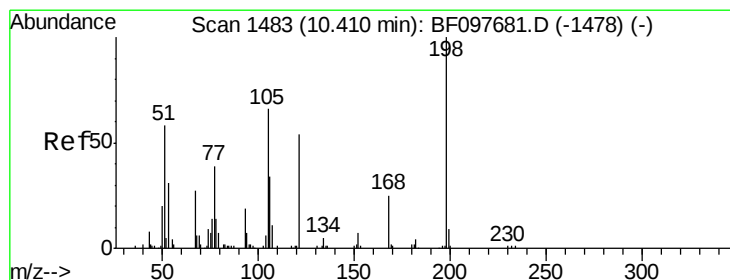
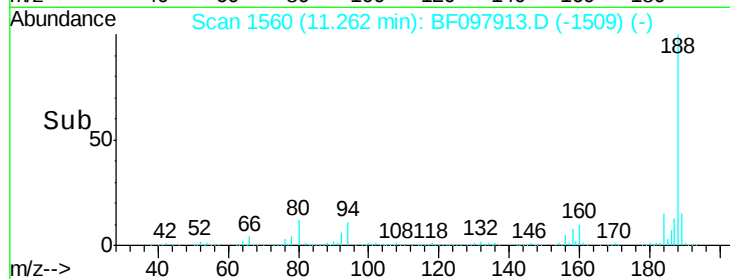
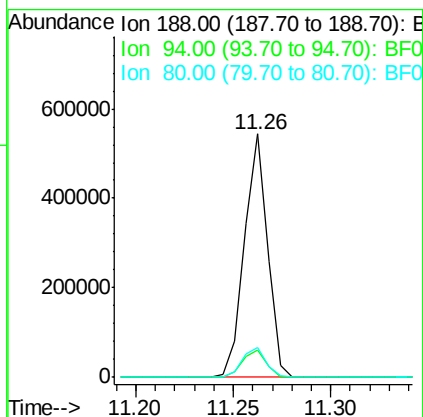
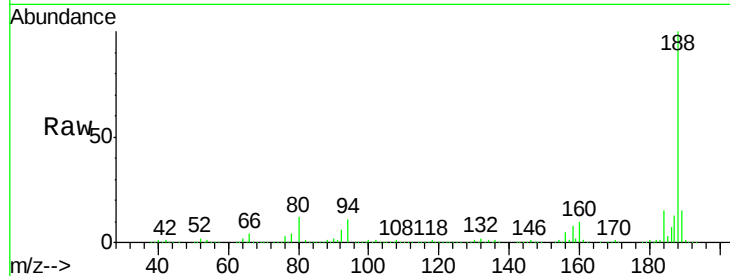




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF097913.D
Acq: 21 Aug 2017 18:55

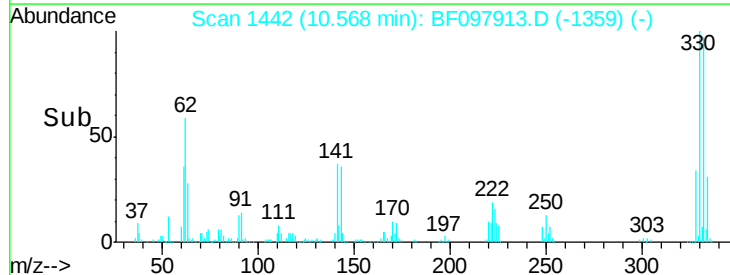
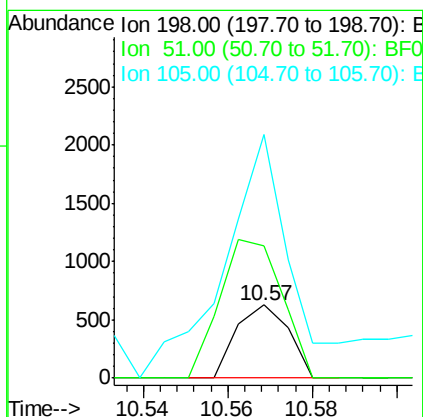
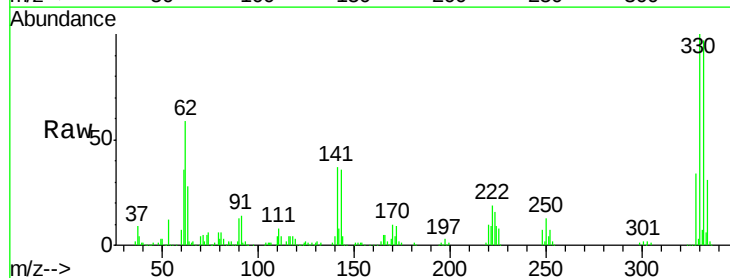
Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-F(0-5)COMP

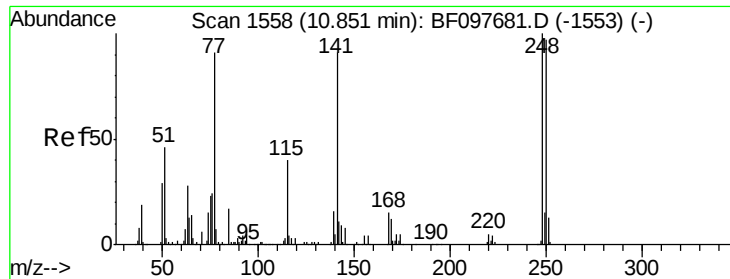
Tot Ion:188 Resp: 448475
Ion Ratio Lower Upper
188 100
94 11.3 9.4 14.2
80 12.0 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 8.53 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.19 min
Lab File: BF097913.D
Acq: 21 Aug 2017 18:55

Tgt Ion:198 Resp: 539
Ion Ratio Lower Upper
198 100
51 181.5 53.2 93.2#
105 333.7 45.8 85.8#

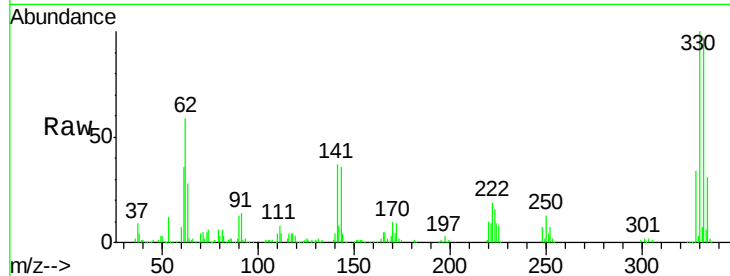




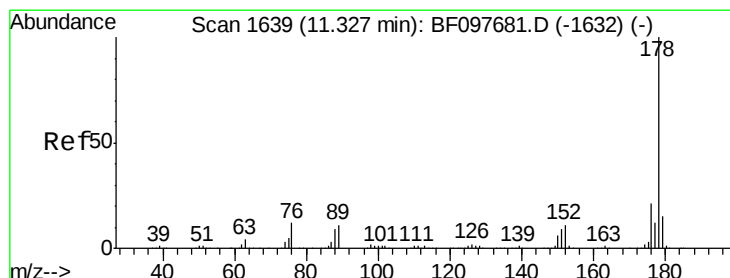
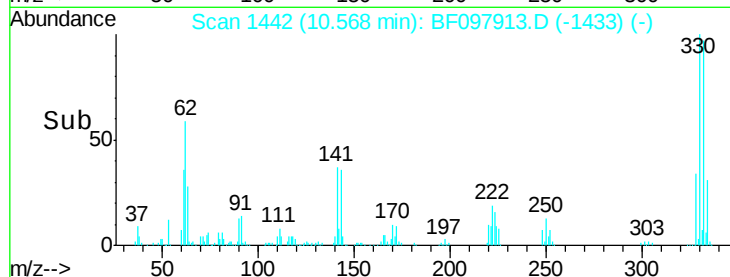
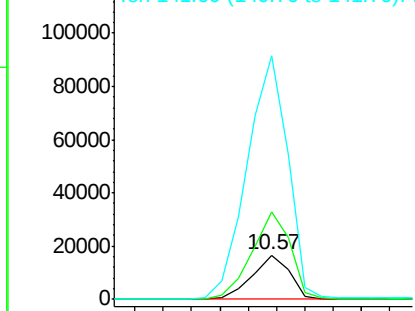
#66
4-Bromophenyl-phenylether
Concen: 3.30 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.25 min
Lab File: BF097913.D
Acq: 21 Aug 2017 18:55

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-F(0-5)COMP

Tot Ion:248 Resp: 15385
Ion Ratio Lower Upper
248 100
250 197.3 76.8 115.2#
141 550.4 68.6 103.0#

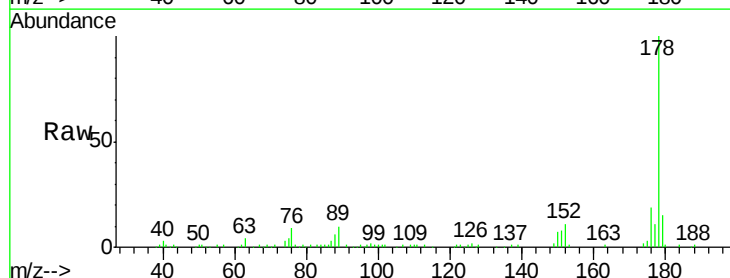


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

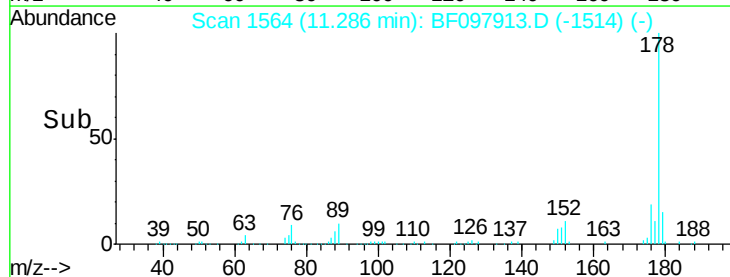
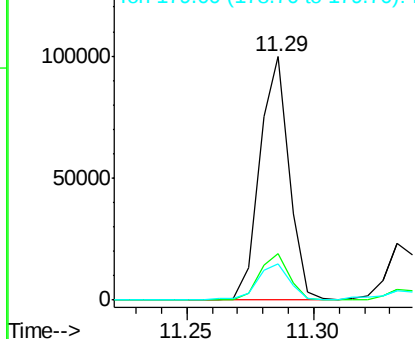


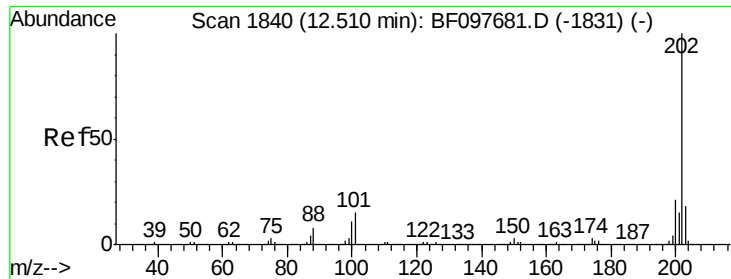
#70
Phenanthrene
Concen: 3.36 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097913.D
Acq: 21 Aug 2017 18:55

Tgt Ion:178 Resp: 80411
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.4
179 14.8 12.6 19.0



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

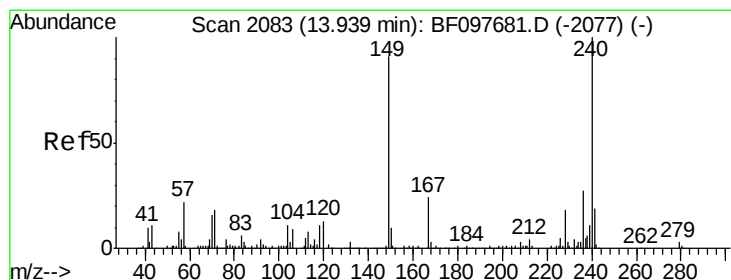
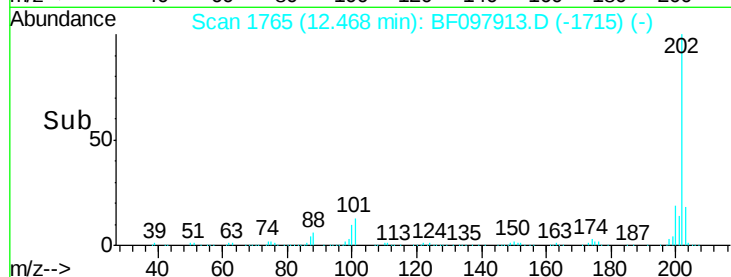
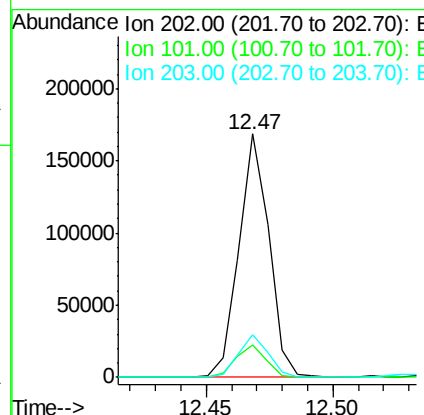
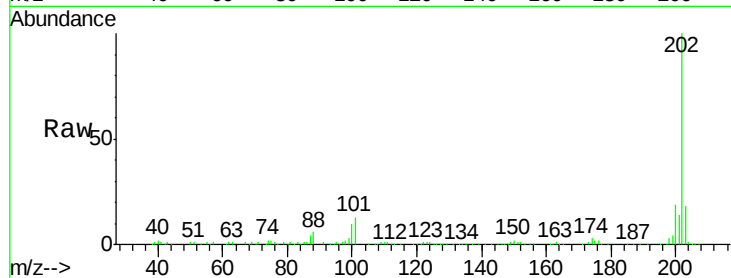




#74
Fluoranthene
Concen: 5.55 ng
RT: 12.47 min Scan# 1765
Delta R.T. -0.01 min
Lab File: BF097913.D
Acq: 21 Aug 2017 18:55

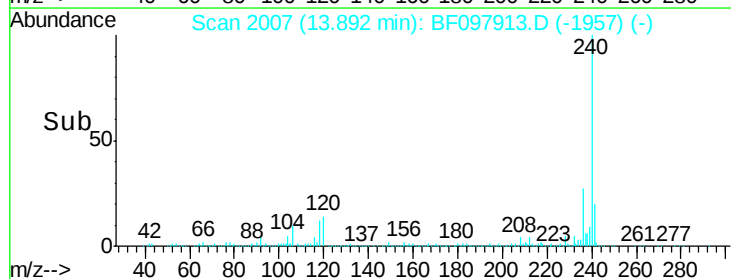
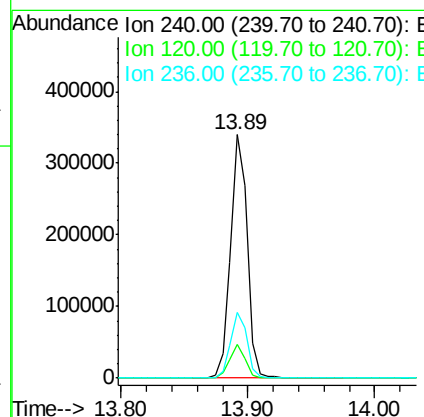
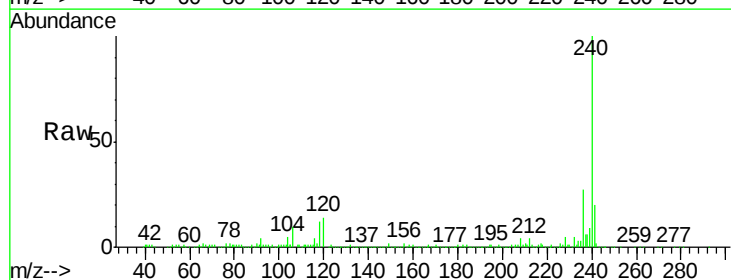
Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-F(0-5)COMP

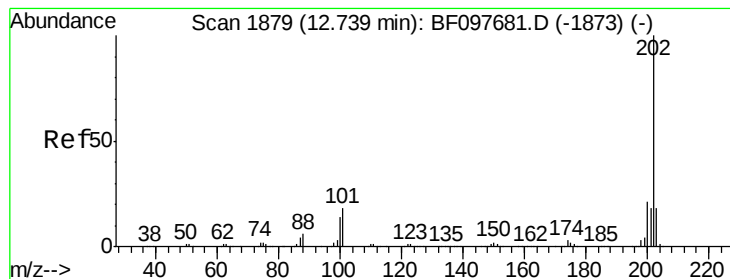
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.6	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF097913.D
Acq: 21 Aug 2017 18:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.7	5.8	8.8#
236	27.1	20.5	30.7





#77

Pvrene

Concen: 4.74 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF097913.D

Acq: 21 Aug 2017 18:55

Instrument :

BNA_F

ClientSampleId :

SASP2P-TP-106-F(0-5)COMP

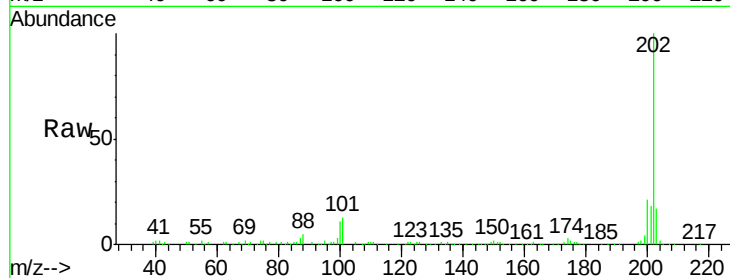
Tot Ion:202 Resp: 119814

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

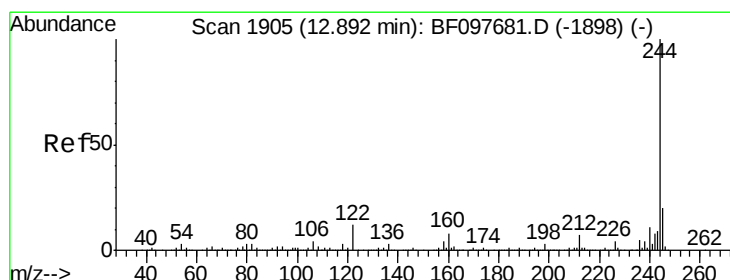
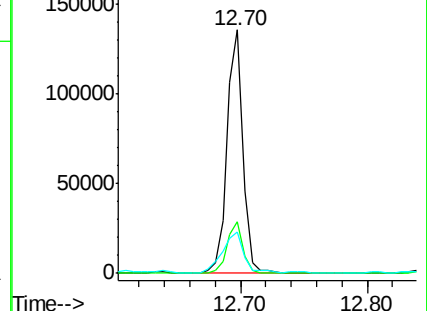
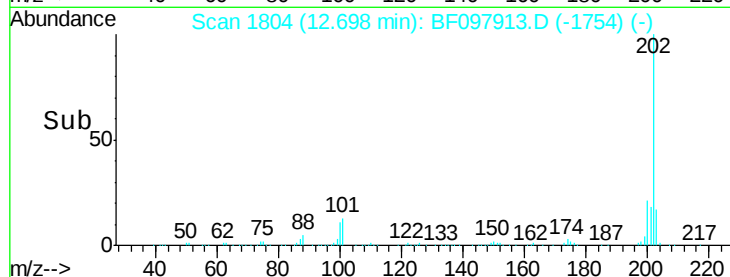
203 17.0 14.4 21.6



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: 51.60 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF097913.D

Acq: 21 Aug 2017 18:55

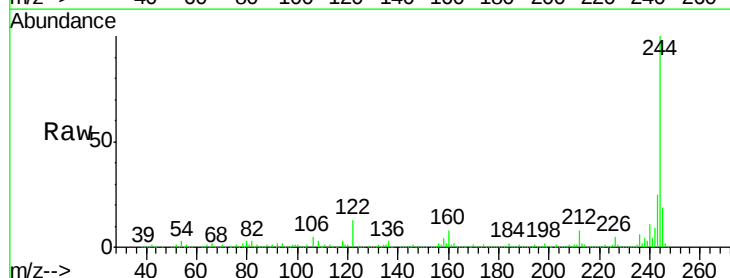
Tgt Ion:244 Resp: 763929

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

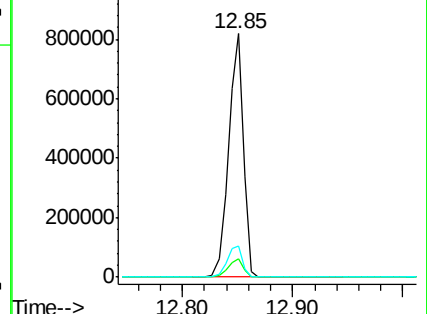
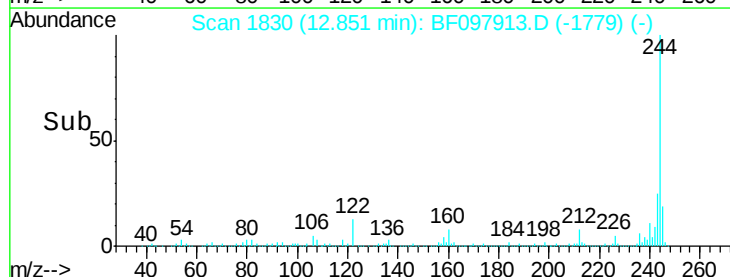
122 12.9 10.3 15.5

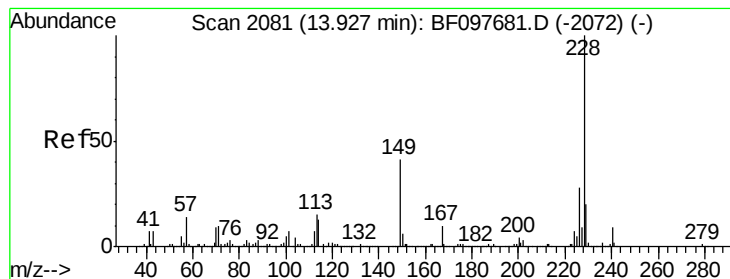


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.05 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF097913.D

Acq: 21 Aug 2017 18:55

Instrument :

BNA_F

ClientSampleId :

SASP2P-TP-106-F(0-5)COMP

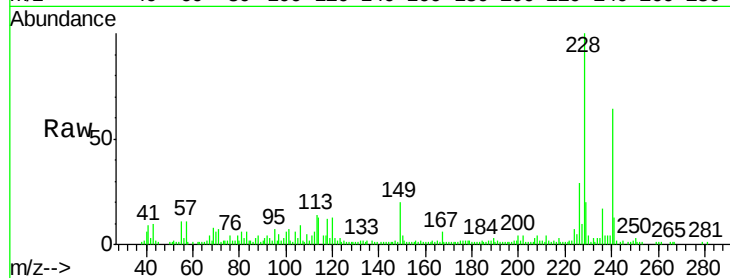
Tot Ion:228 Resp: 56527

Ion Ratio Lower Upper

228 100

226 28.5 22.6 33.8

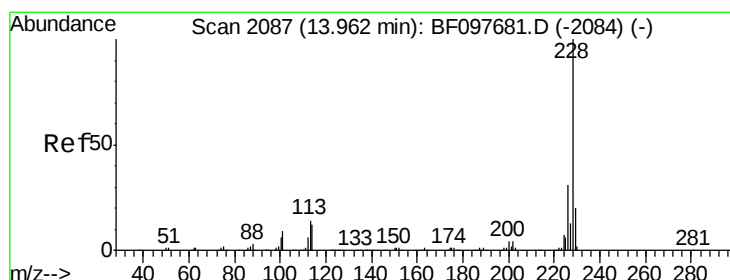
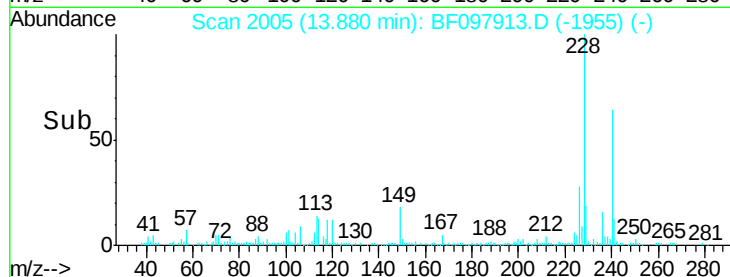
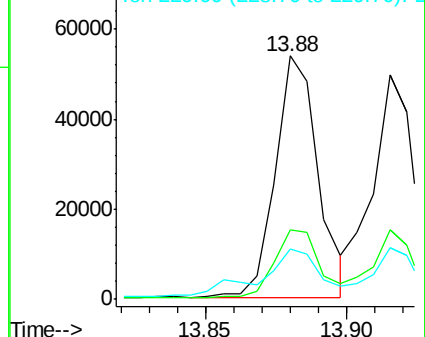
229 20.5 16.3 24.5



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



#82

Chrysene

Concen: 2.75 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF097913.D

Acq: 21 Aug 2017 18:55

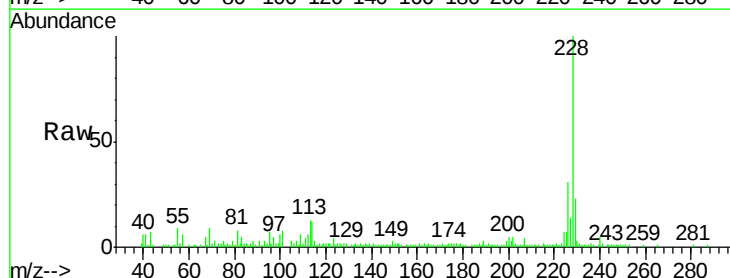
Tgt Ion:228 Resp: 50578

Ion Ratio Lower Upper

228 100

226 31.2 24.9 37.3

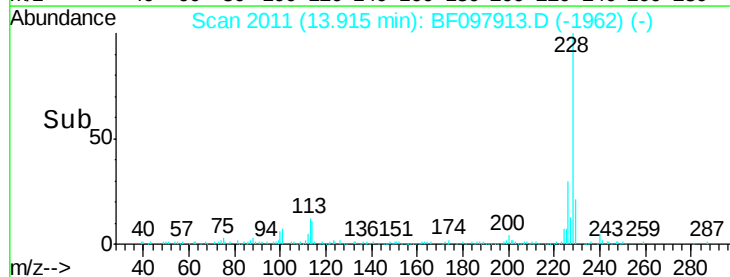
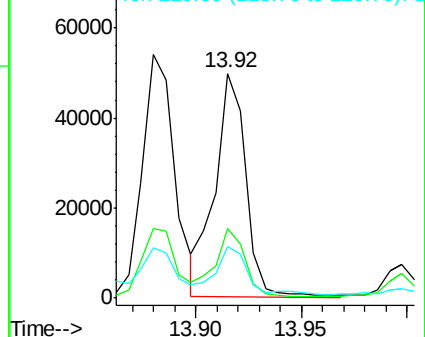
229 22.9 15.8 23.6

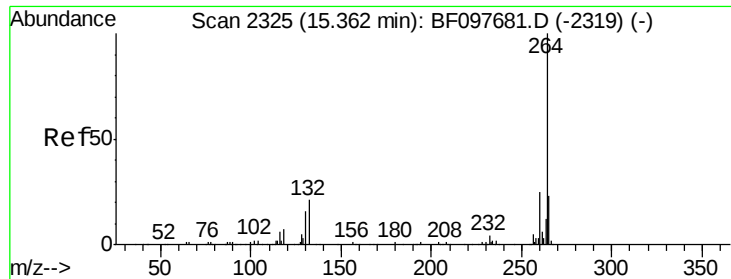


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

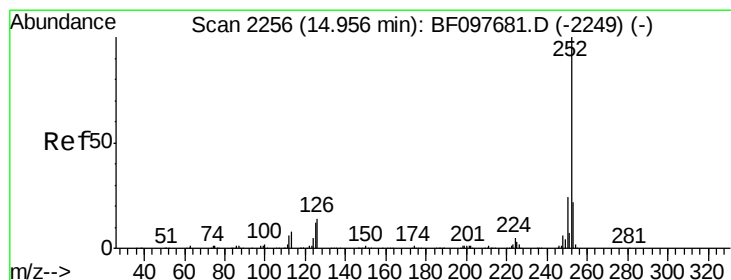
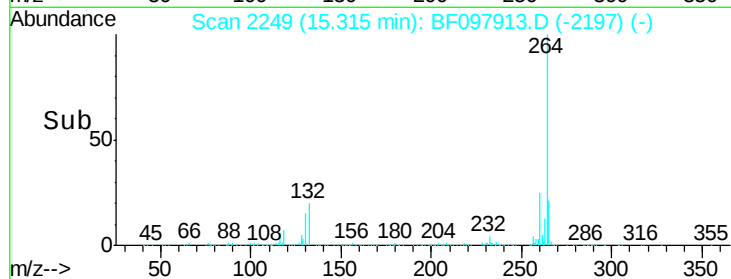
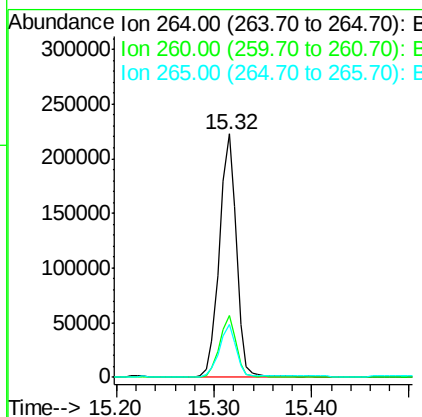
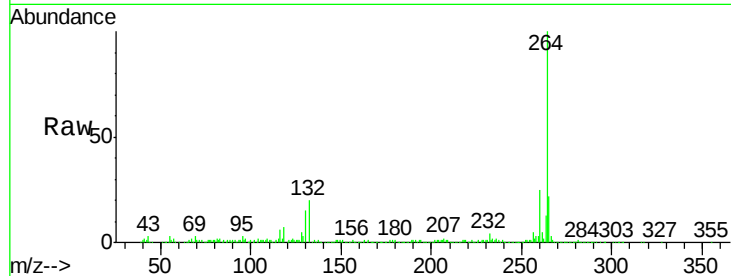




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF097913.D
Acq: 21 Aug 2017 18:55

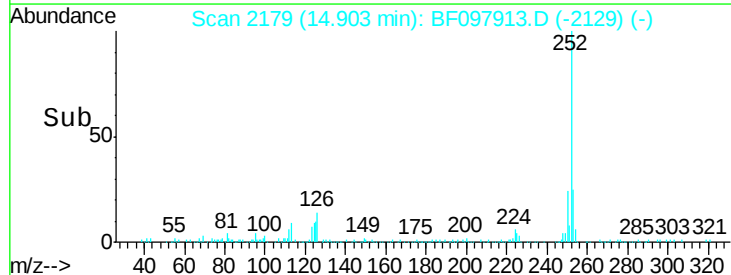
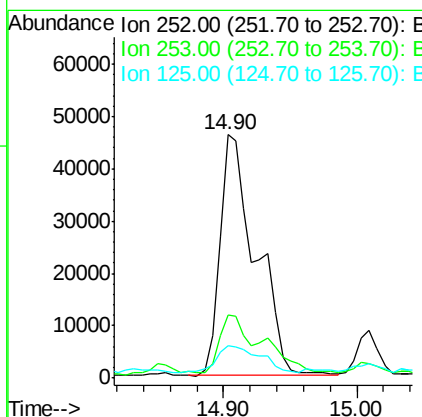
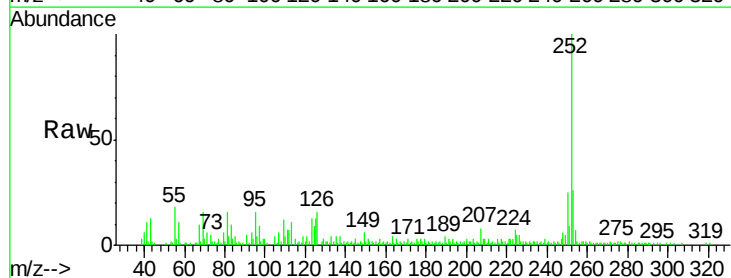
Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-F(0-5)COMP

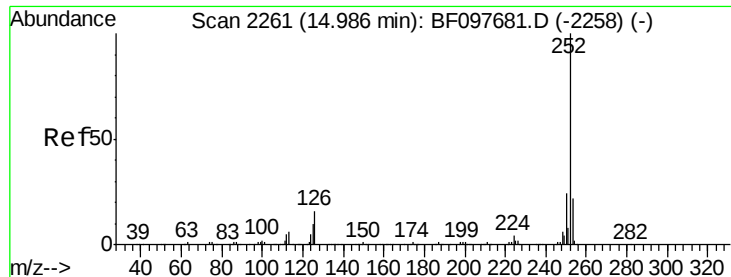
Tot Ion:264 Resp: 267988
Ion Ratio Lower Upper
264 100
260 25.2 19.5 29.3
265 21.5 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 5.11 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF097913.D
Acq: 21 Aug 2017 18:55

Tgt Ion:252 Resp: 86334
Ion Ratio Lower Upper
252 100
253 25.9 18.1 27.1
125 13.3 9.8 14.8

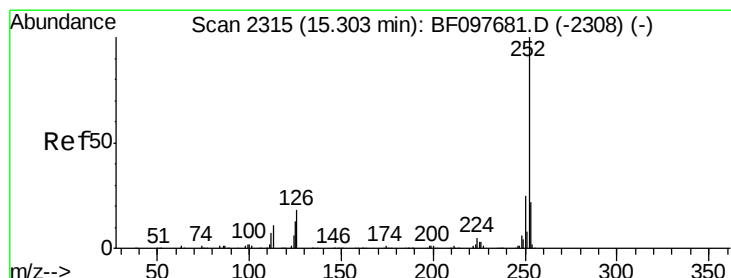
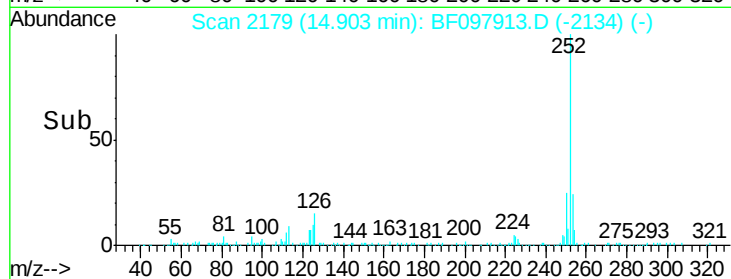
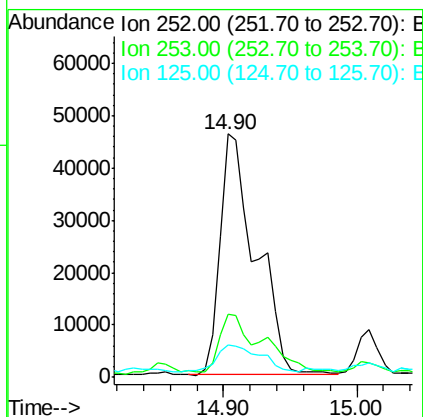
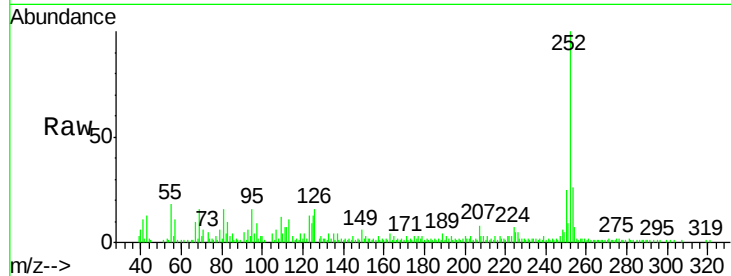




#88
Benzo(k)fluoranthene
Concen: 5.44 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.04 min
Lab File: BF097913.D
Acq: 21 Aug 2017 18:55

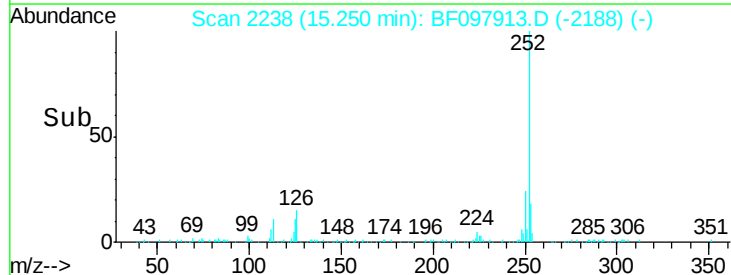
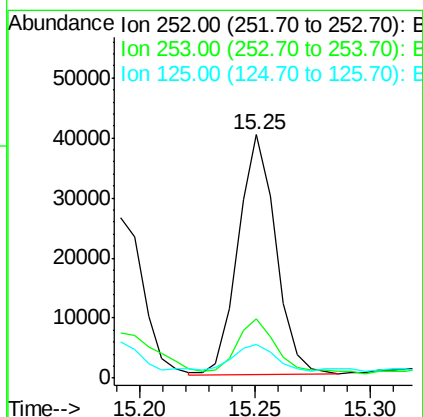
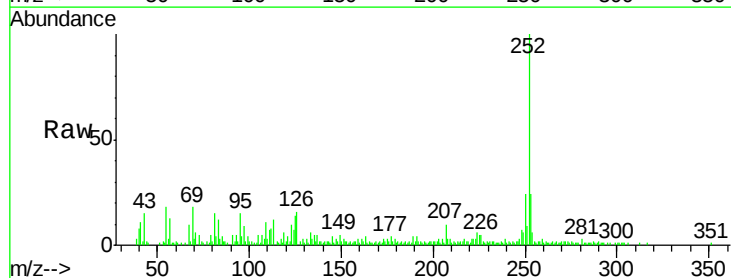
Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-F(0-5)COMP

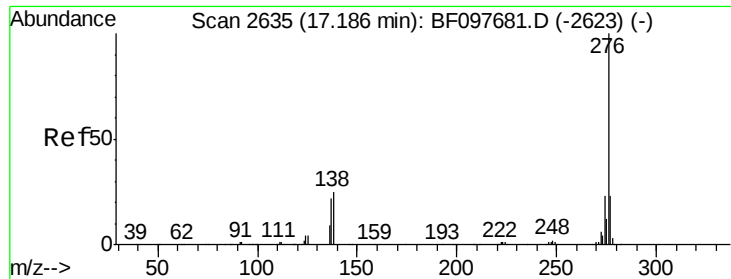
Tot Ion:252 Resp: 86334
Ion Ratio Lower Upper
252 100
253 25.9 18.4 27.6
125 13.3 13.1 19.7



#89
Benzo(a)pyrene
Concen: 3.04 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BF097913.D
Acq: 21 Aug 2017 18:55

Tgt Ion:252 Resp: 45422
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 13.7 11.0 16.4

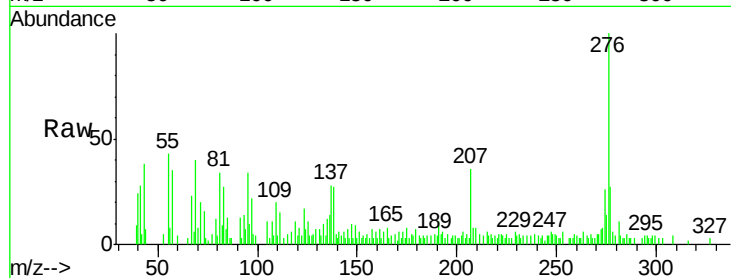




#91
 Benzo(a,h,i)perylene
 Concen: 2.02 ng
 RT: 17.10 min Scan# 2552
 Delta R.T. -0.01 min
 Lab File: BF097913.D
 Acq: 21 Aug 2017 18:55

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-106-F(0-5)COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.3	18.6	28.0
138	26.7	25.4	38.0



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

