

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092917\
 Data File : BF098939.D
 Acq On : 29 Sep 2017 10:17
 Operator : SJ/JU
 Sample : I5446-01RE 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 16:04:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

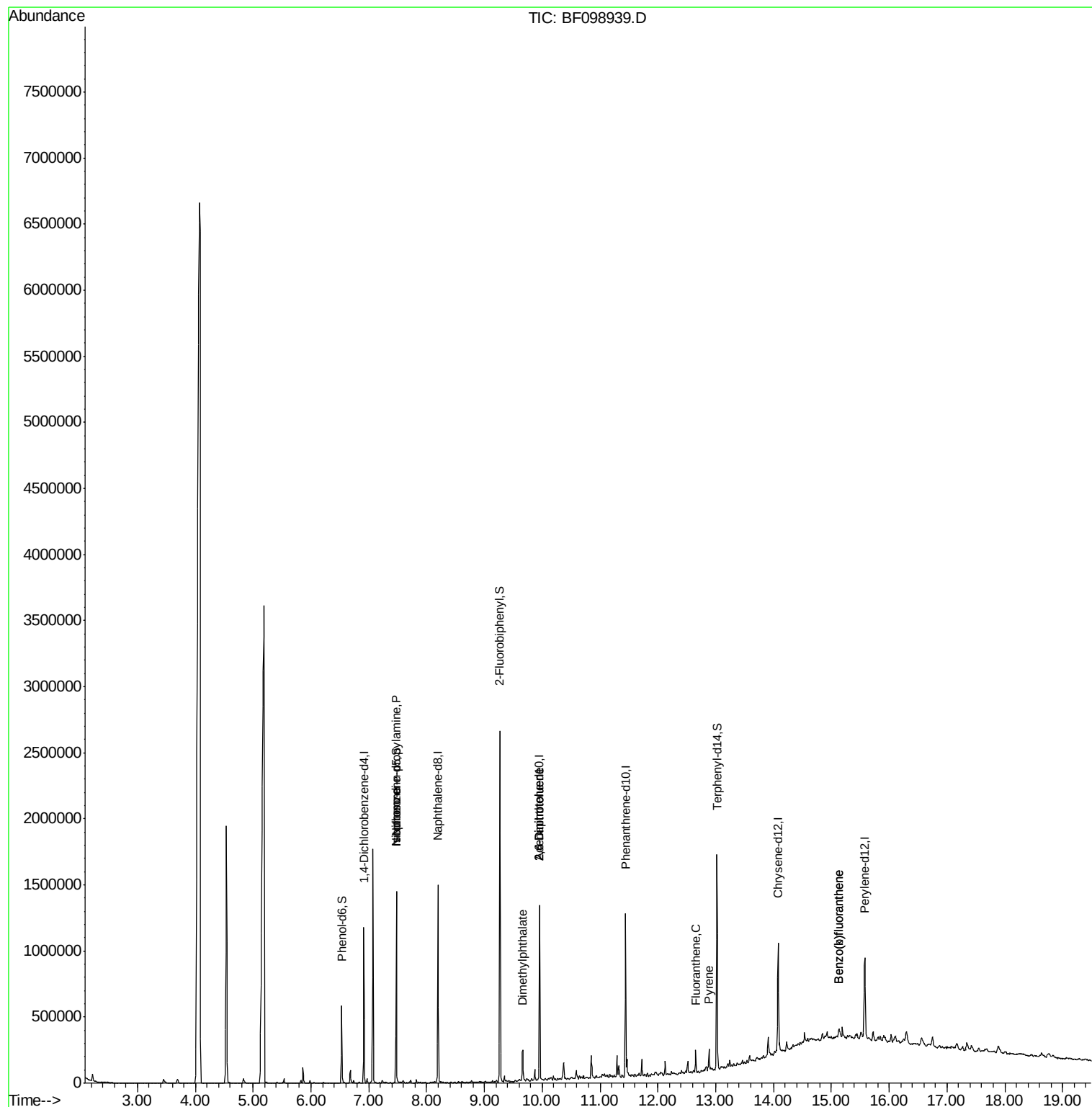
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	155905	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	633907	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	265362	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	391708	20.00	ng	0.00
75) Chrysene-d12	14.08	240	252384	20.00	ng	0.00
86) Perylene-d12	15.58	264	269776	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	8370	0.85	ng	0.00
7) Phenol-d6	6.53	99	180520	14.94	ng	-0.02
23) Nitrobenzene-d5	7.47	82	429532	43.45	ng	-0.01
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.27	172	774130	48.70	ng	-0.01
78) Terphenyl-d14	13.02	244	470973	42.44	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.47	70	57600	7.467	ng	# 76
25) Isophorone	7.47	82	427275	20.907	ng	# 64
49) Dimethylphthalate	9.66	163	88430	4.415	ng	99
50) 2,6-Dinitrotoluene	9.95	165	34410	7.892	ng	# 25
56) 2,4-Dinitrotoluene	9.95	165	34410	6.081	ng	# 23
74) Fluoranthene	12.65	202	55637	2.620	ng	100
77) Pyrene	12.88	202	47485	2.467	ng	100
87) Benzo(b)fluoranthene	15.13	252	38759	2.337	ng	# 70
88) Benzo(k)fluoranthene	15.13	252	38759	2.366	ng	# 74

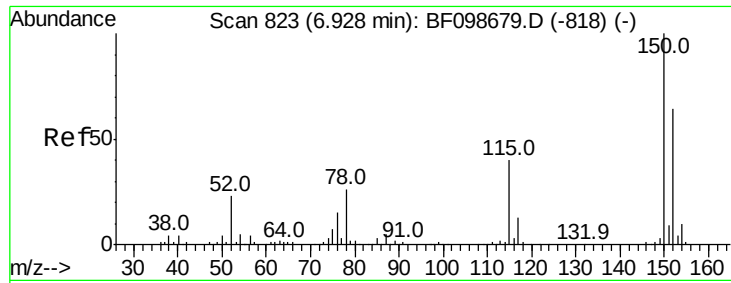
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092917\
Data File : BF098939.D
Acq On : 29 Sep 2017 10:17
Operator : SJ/JU
Sample : I5446-01RE 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 29 16:04:18 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration



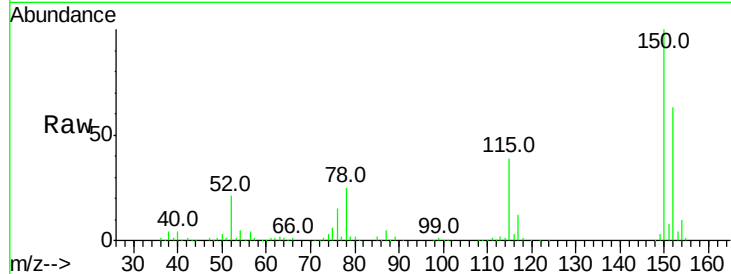


#1

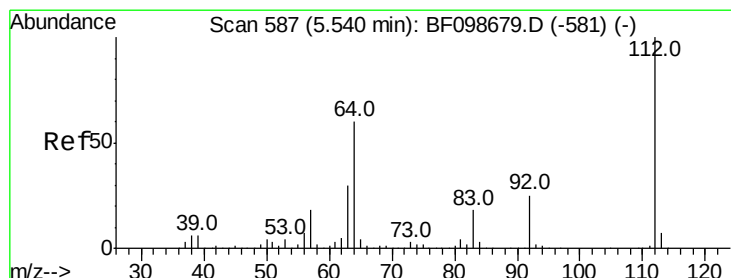
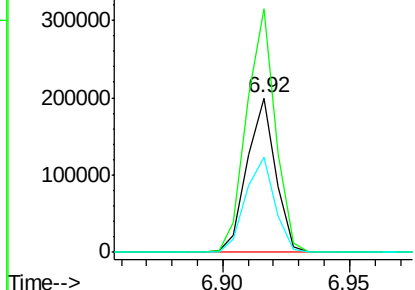
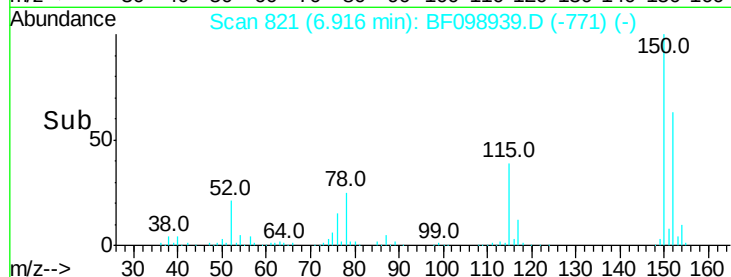
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098939.D
Acq: 29 Sep 2017 10:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 155905
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 61.5 50.1 75.1



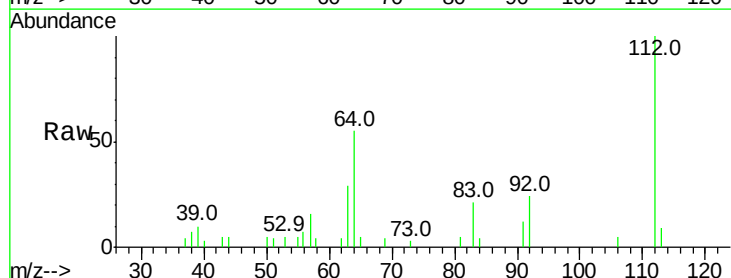
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



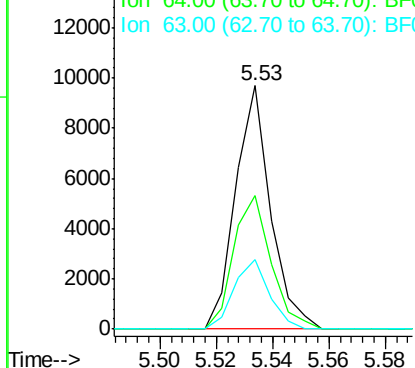
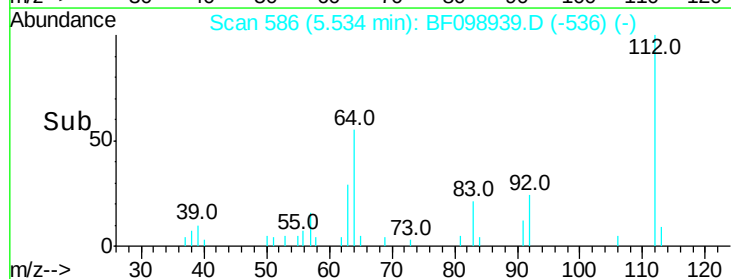
#5

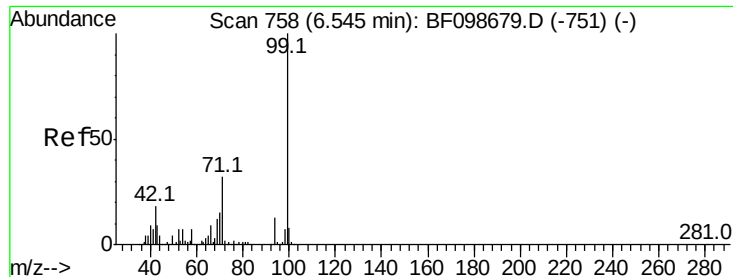
2-Fluorophenol
Concen: 0.855 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF098939.D
Acq: 29 Sep 2017 10:17

Tgt Ion:112 Resp: 8370
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 28.5 23.7 35.5



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: 14.942 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098939.D

Acq: 29 Sep 2017 10:17

Instrument :

BNA_F

ClientSampleId :

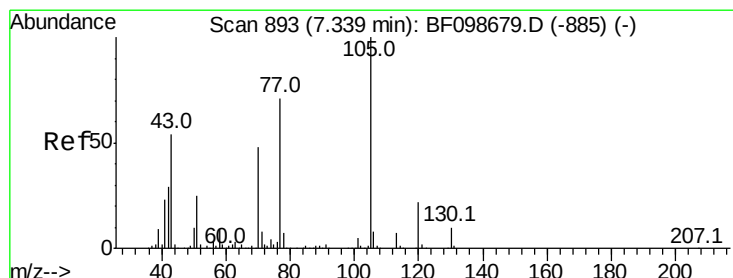
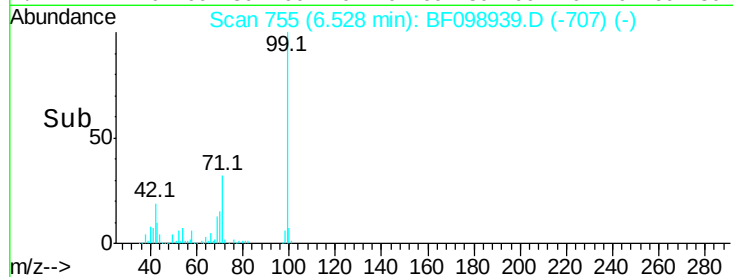
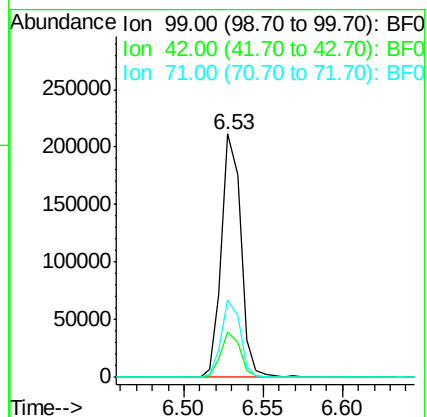
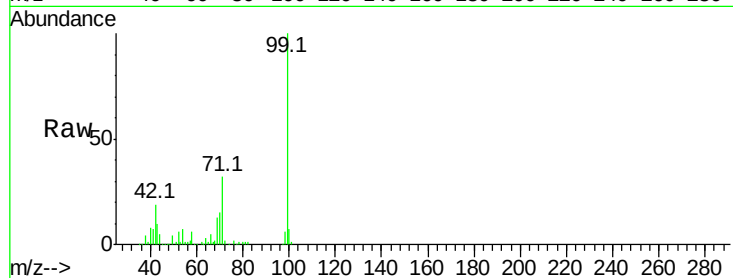
Tot Ion: 99 Resp: 180520

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

71 31.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 7.467 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF098939.D

Acq: 29 Sep 2017 10:17

Tgt Ion: 70 Resp: 57600

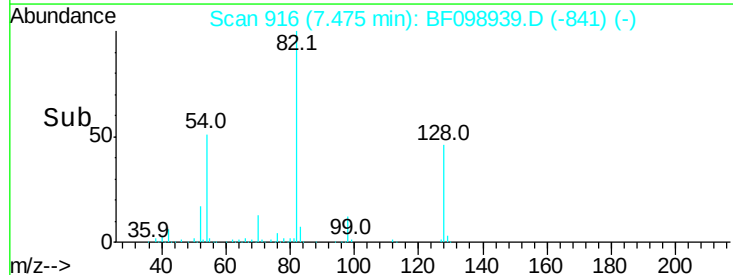
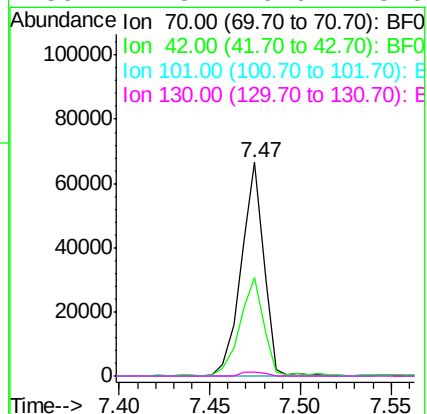
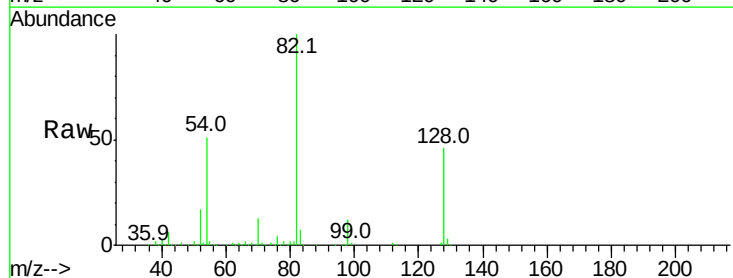
Ion Ratio Lower Upper

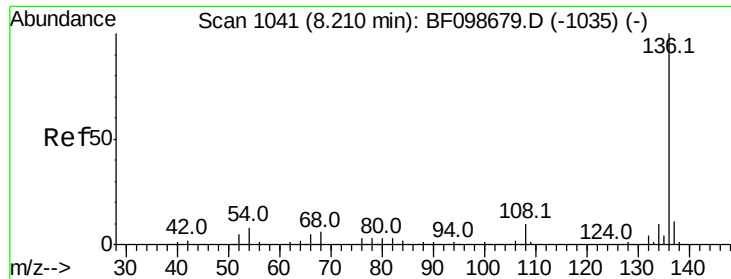
70 100

42 46.4 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

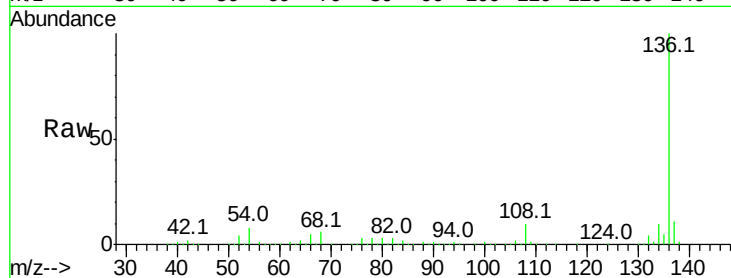




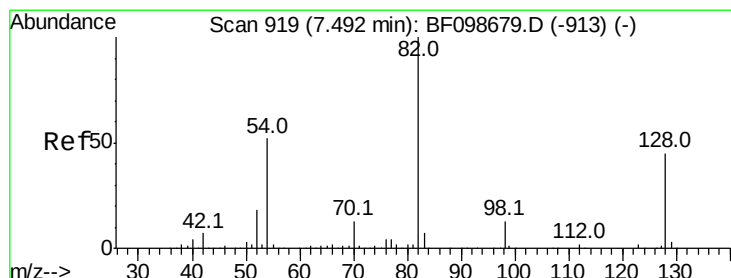
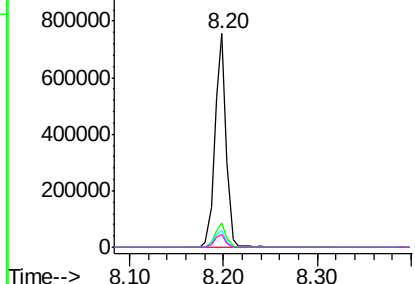
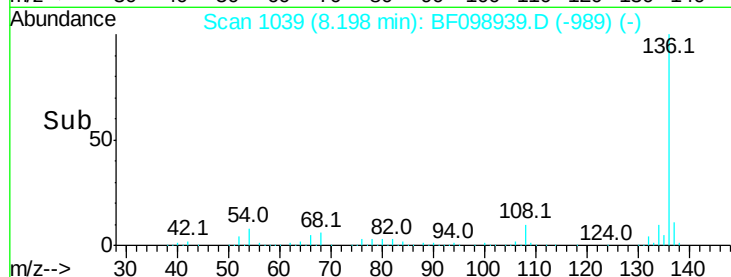
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098939.D
Acq: 29 Sep 2017 10:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	633907
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.6	6.6	9.8
68	6.0	5.0	7.4

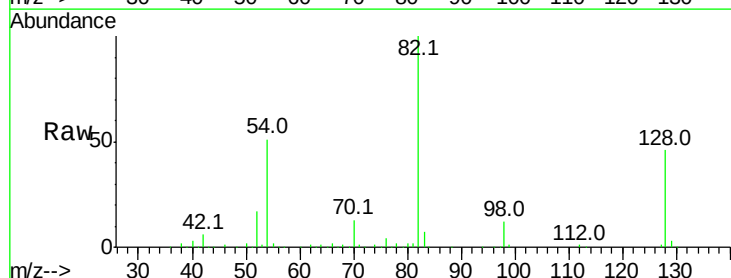


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

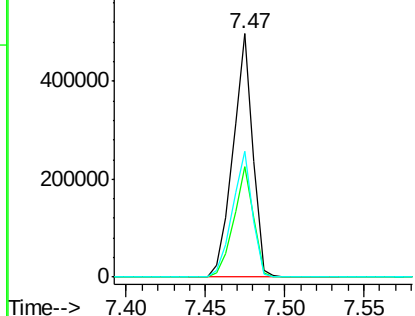
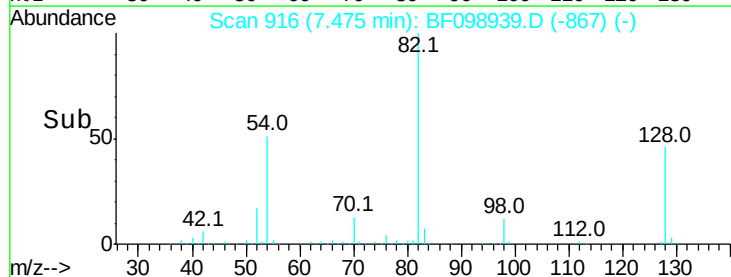


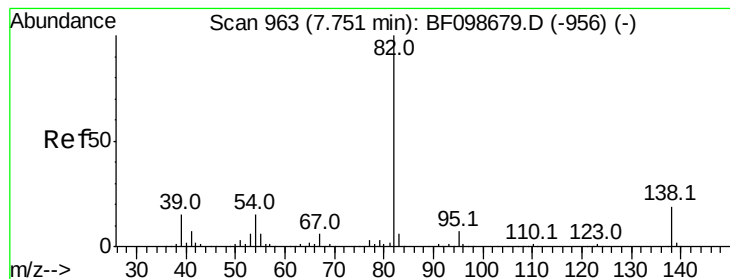
#23
Nitrobenzene-d5
Concen: 43.454 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098939.D
Acq: 29 Sep 2017 10:17

Tgt Ion:	82	Resp:	429532
Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.1	54.1
54	51.5	41.4	62.2



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: 20.907 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098939.D

Acq: 29 Sep 2017 10:17

Instrument :

BNA_F

ClientSampleId :

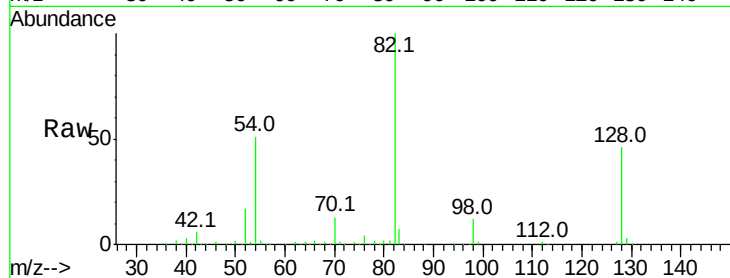
Tot Ion: 82 Resp: 427275

Ion Ratio Lower Upper

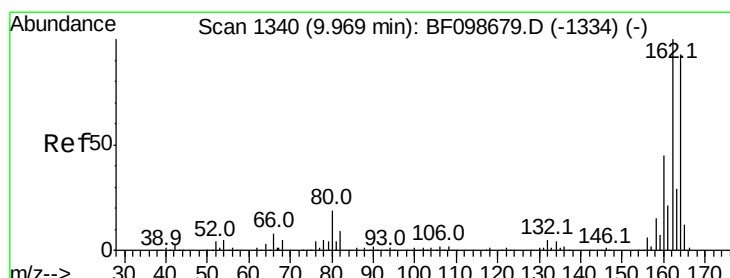
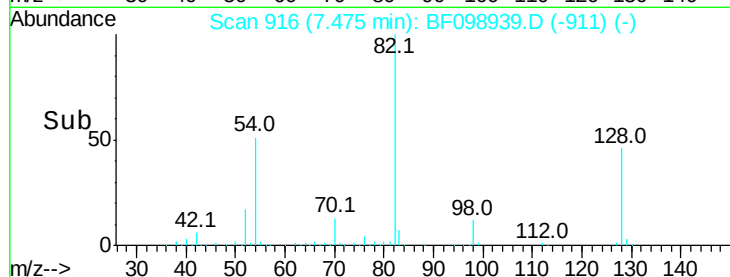
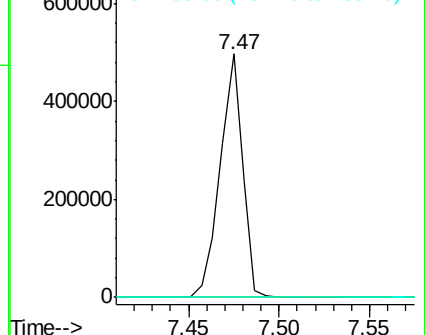
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098939.D

Acq: 29 Sep 2017 10:17

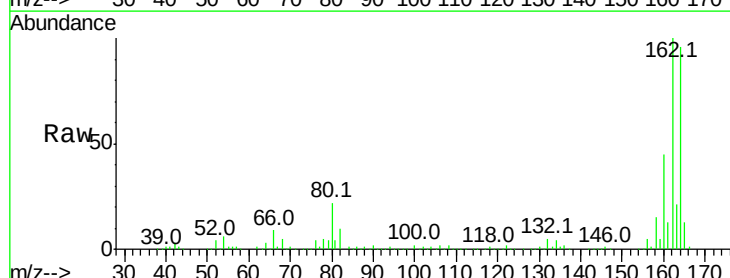
Tgt Ion:164 Resp: 265362

Ion Ratio Lower Upper

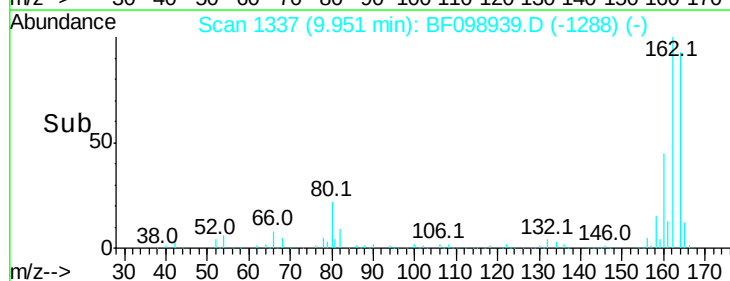
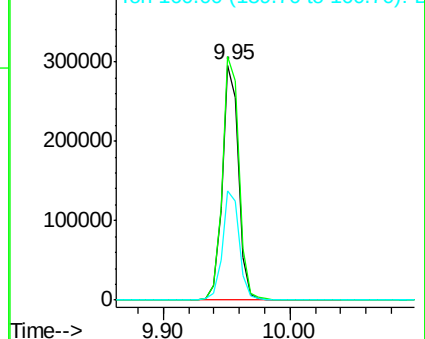
164 100

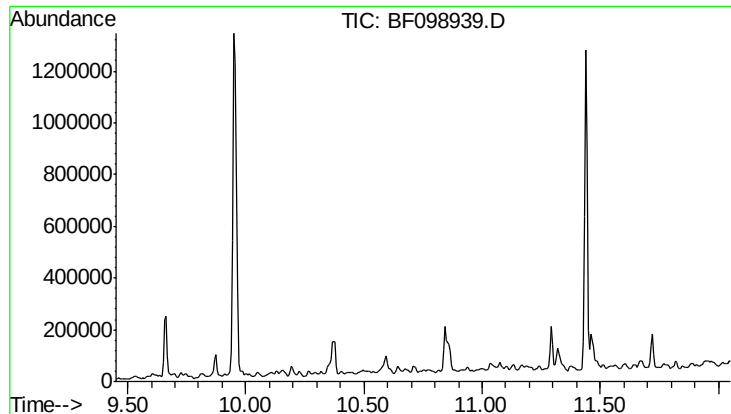
162 103.7 86.1 129.1

160 46.3 38.3 57.5



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

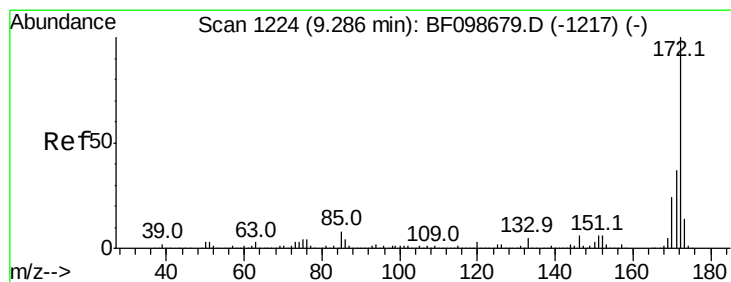
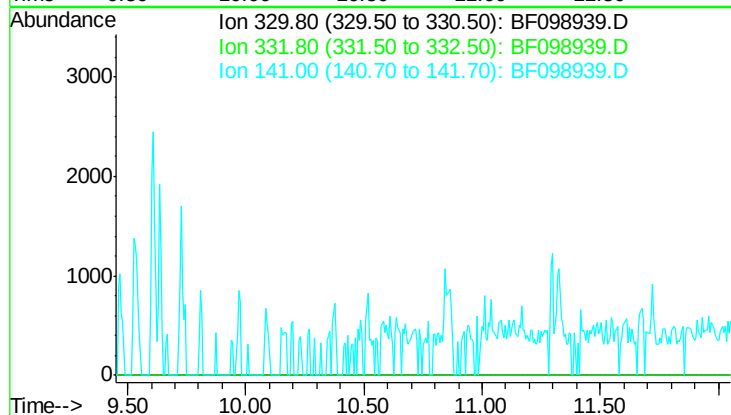




#41
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.75 min
 Lab File: BF098939.D
 Acq: 29 Sep 2017 10:17

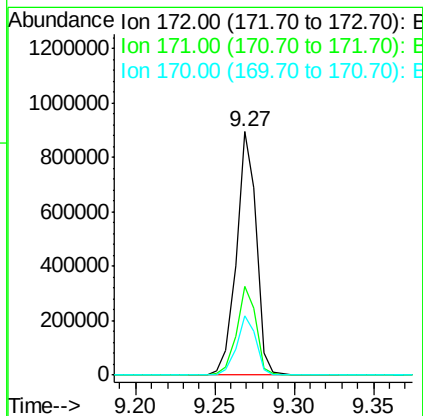
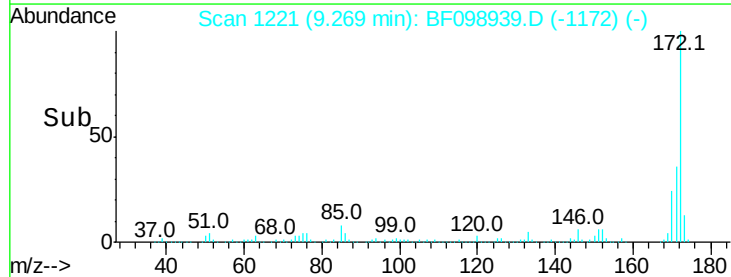
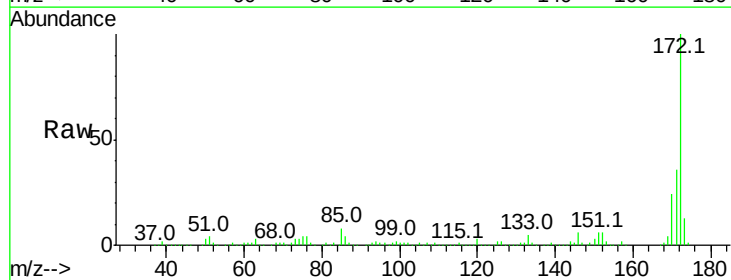
Instrument :
 BNA_F
 ClientSampleId :

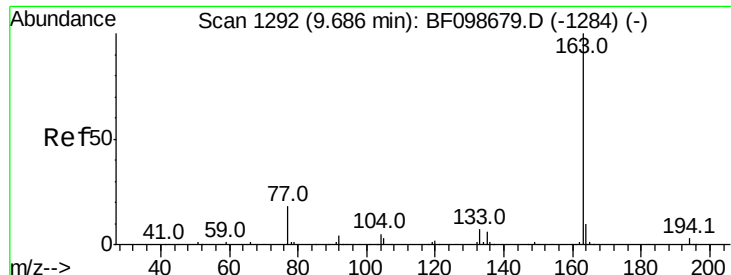
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 96.3
 141 37.4



#44
 2-Fluorobiphenyl
 Concen: 48.701 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098939.D
 Acq: 29 Sep 2017 10:17

Tgt Ion: 172 Resp: 774130
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.4 19.6 29.4





#49

Dimethylphthalate

Concen: 4.415 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BF098939.D

Acq: 29 Sep 2017 10:17

Instrument :

BNA_F

ClientSampleId :

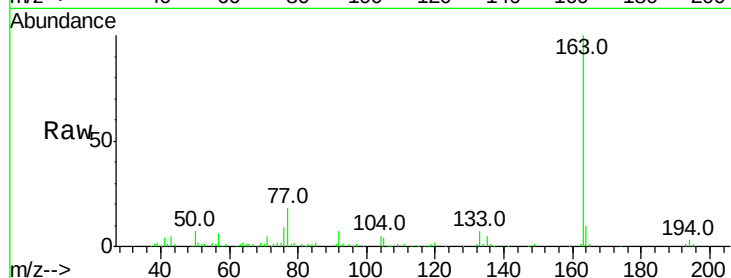
Tot Ion:163 Resp: 88430

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

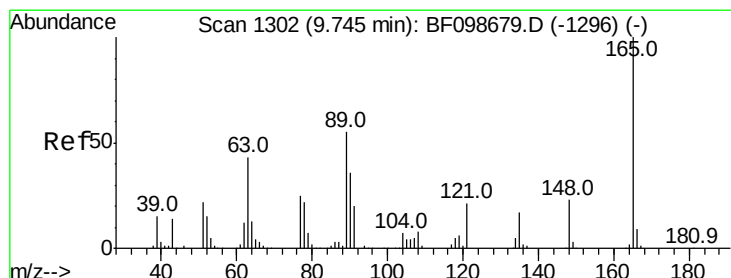
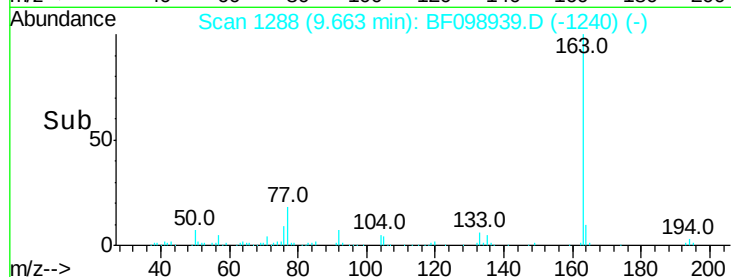
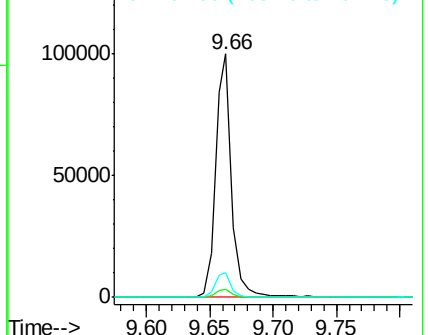
164 9.9 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 7.892 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.21 min

Lab File: BF098939.D

Acq: 29 Sep 2017 10:17

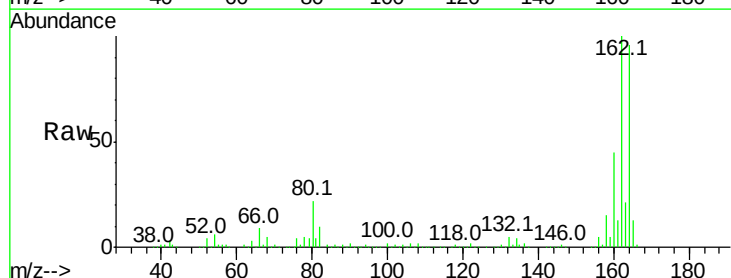
Tgt Ion:165 Resp: 34410

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

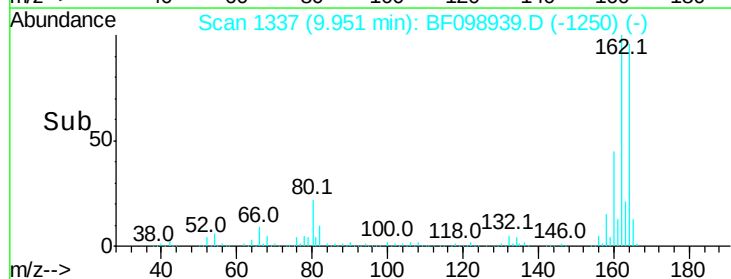
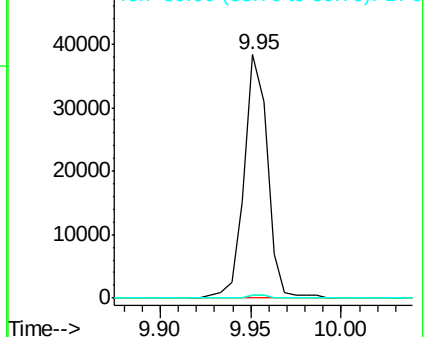
89 1.3 44.0 66.0#

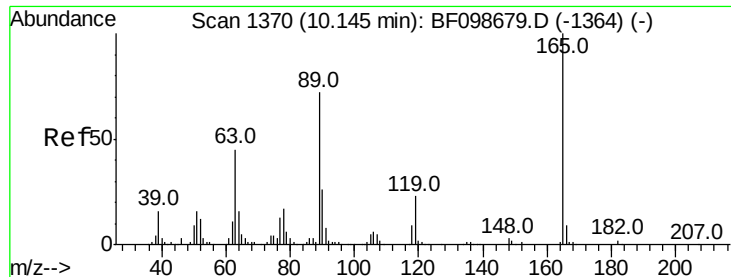


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.081 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.19 min

Lab File: BF098939.D

Acq: 29 Sep 2017 10:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 34410

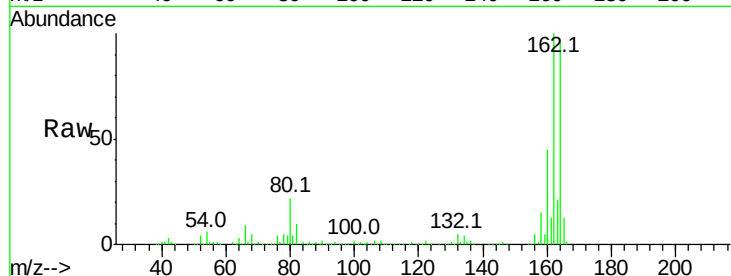
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

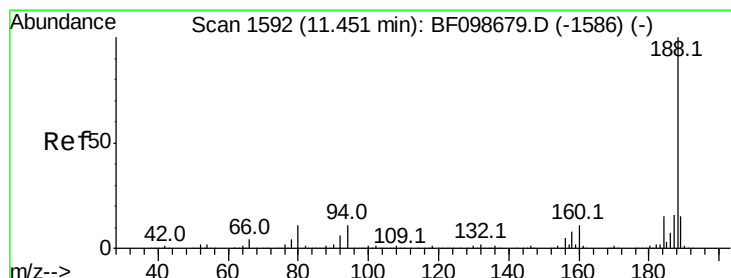
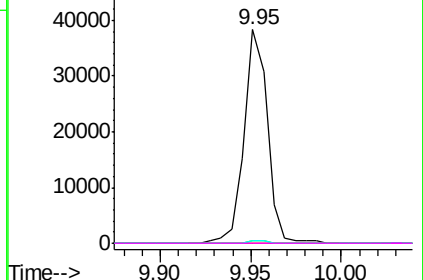
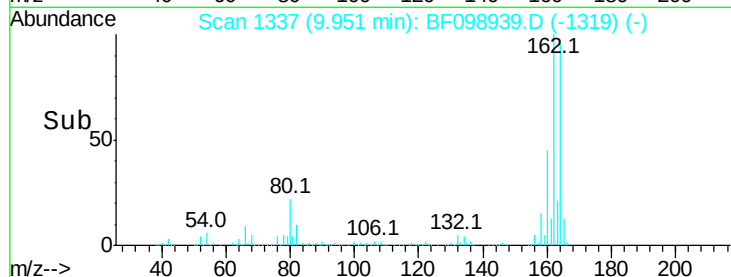


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.000 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF098939.D

Acq: 29 Sep 2017 10:17

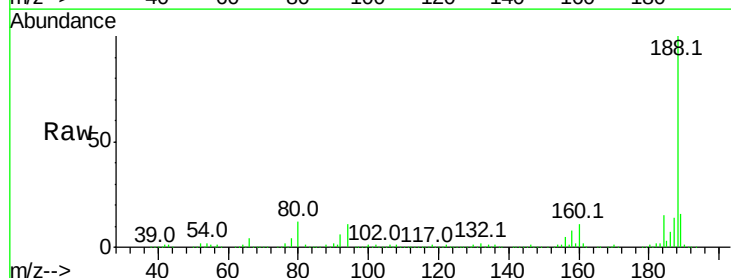
Tgt Ion:188 Resp: 391708

Ion Ratio Lower Upper

188 100

94 11.2 8.5 12.7

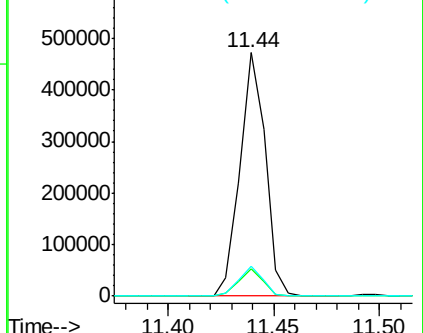
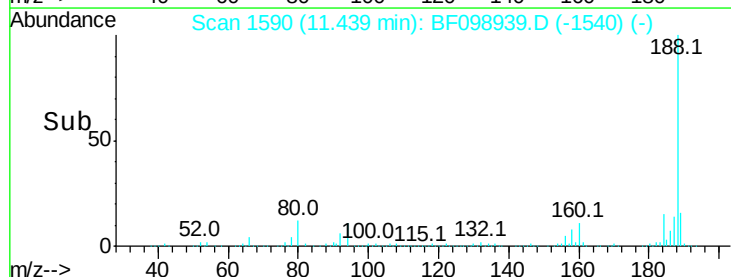
80 12.4 9.2 13.8

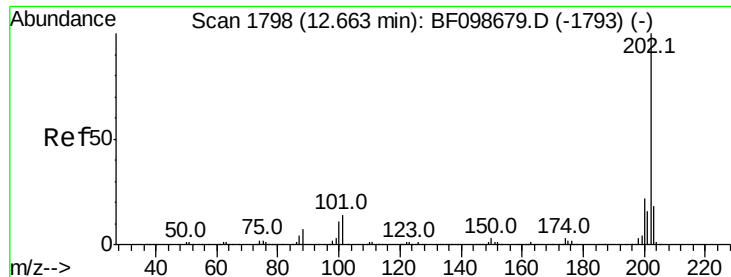


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.620 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098939.D

Acq: 29 Sep 2017 10:17

Instrument :

BNA_F

ClientSampleId :

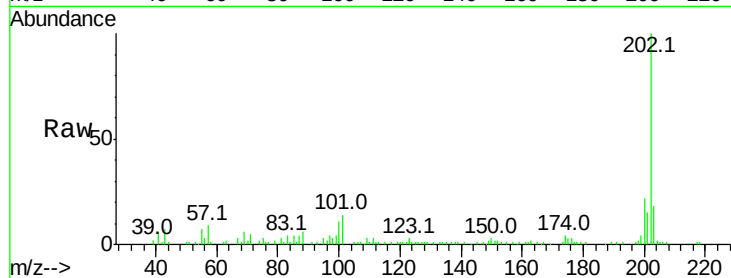
Tot Ion:202 Resp: 55637

Ion Ratio Lower Upper

202 100

101 13.9 0.0 34.1

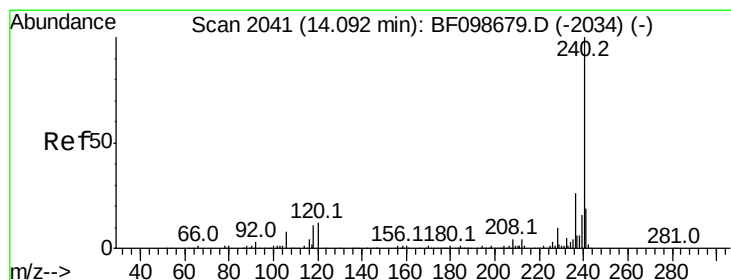
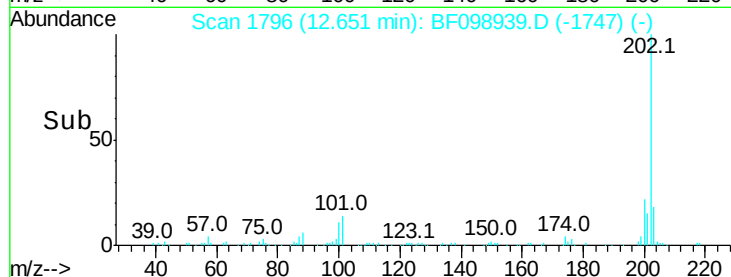
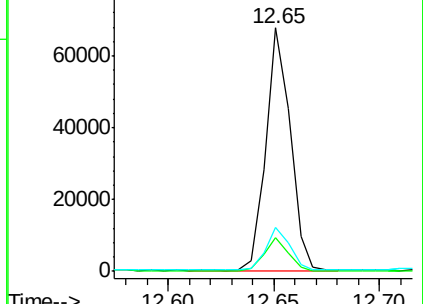
203 18.0 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098939.D

Acq: 29 Sep 2017 10:17

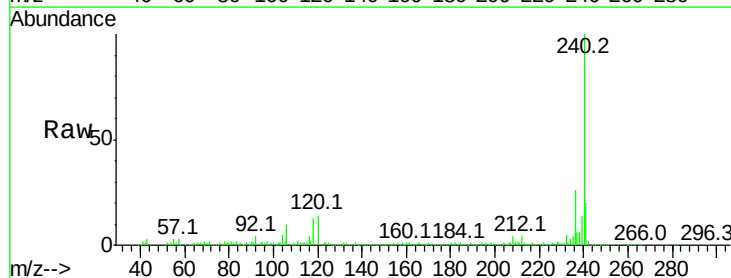
Tgt Ion:240 Resp: 252384

Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

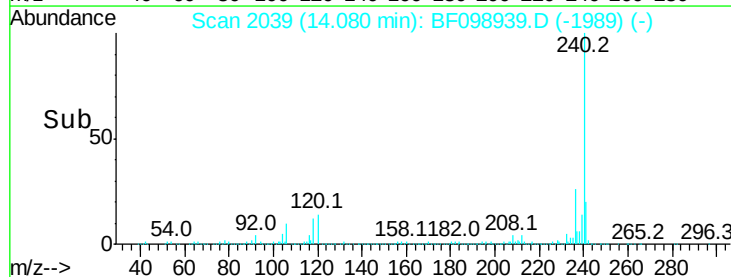
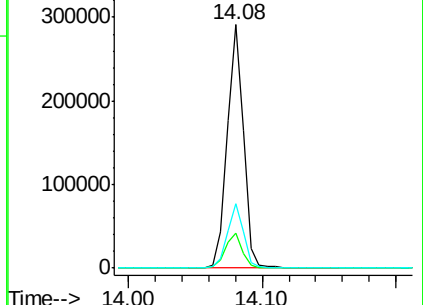
236 26.5 20.7 31.1

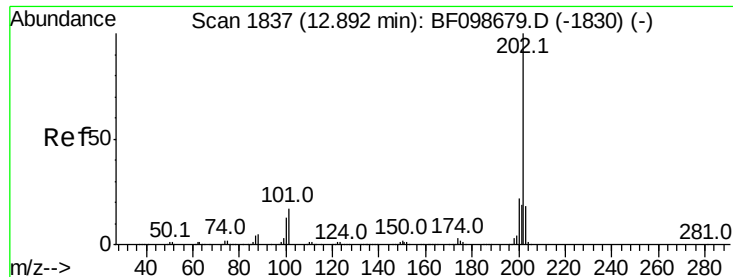


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.467 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098939.D

Acq: 29 Sep 2017 10:17

Instrument :

BNA_F

ClientSampleId :

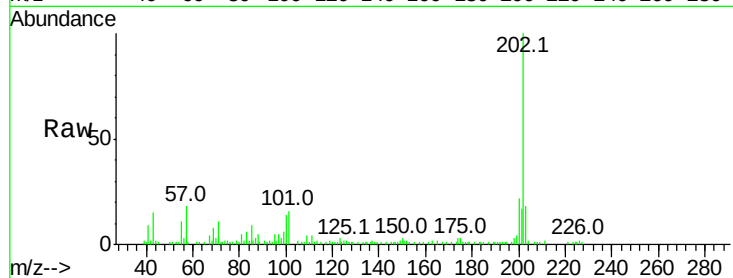
Tot Ion:202 Resp: 47485

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

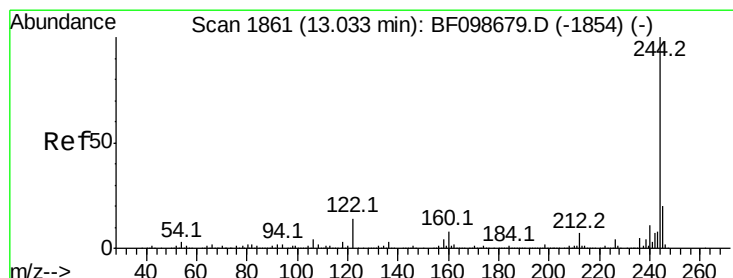
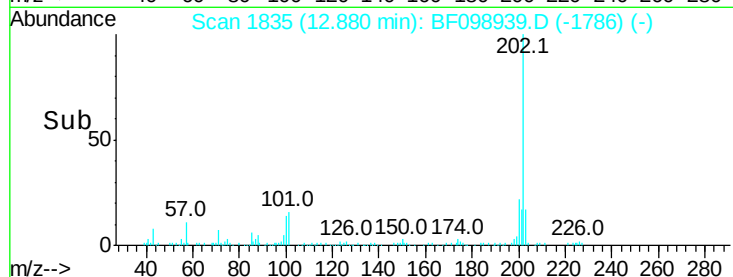
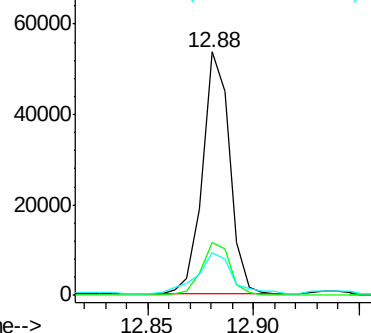
203 17.8 14.3 21.5



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: 42.439 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098939.D

Acq: 29 Sep 2017 10:17

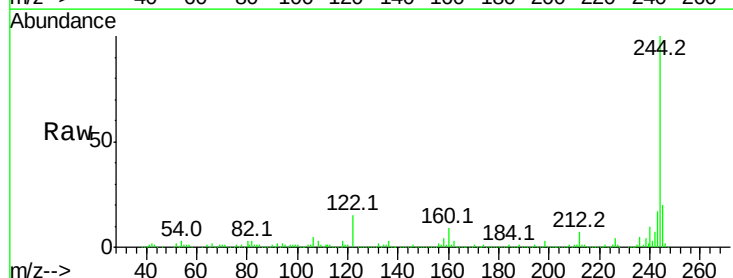
Tgt Ion:244 Resp: 470973

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

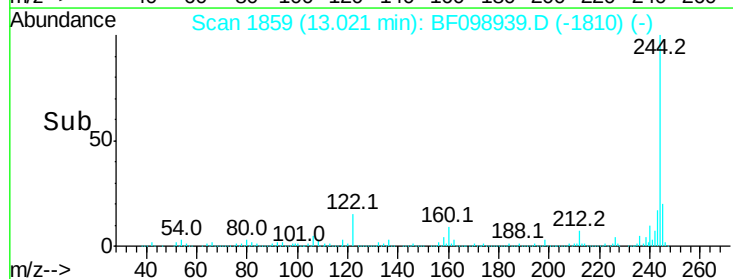
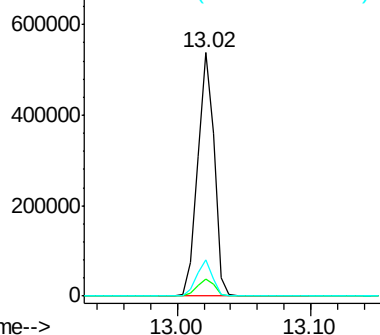
122 14.9 11.0 16.4

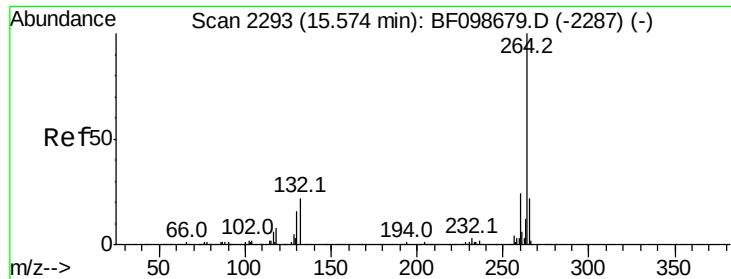


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



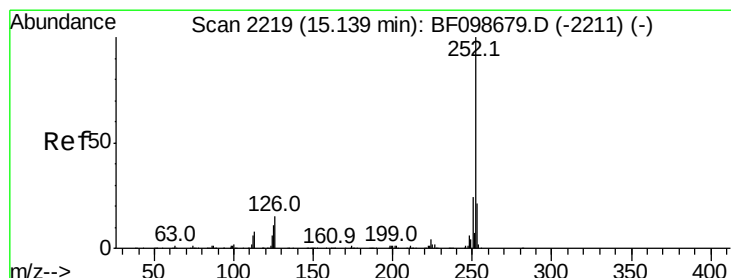
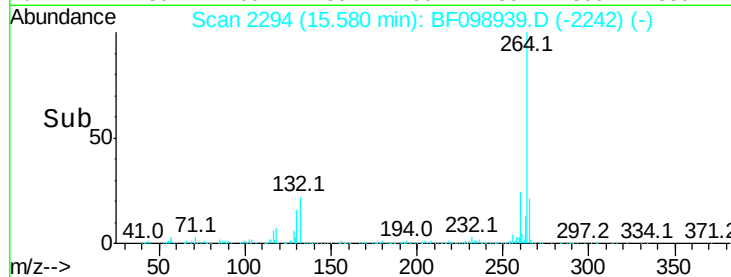
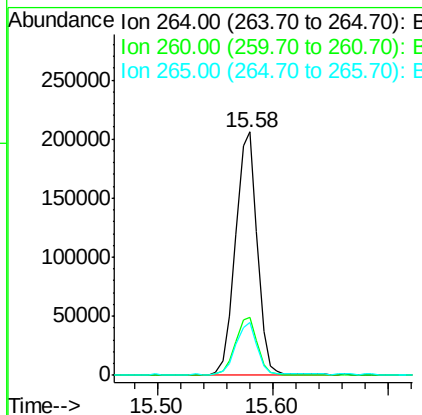
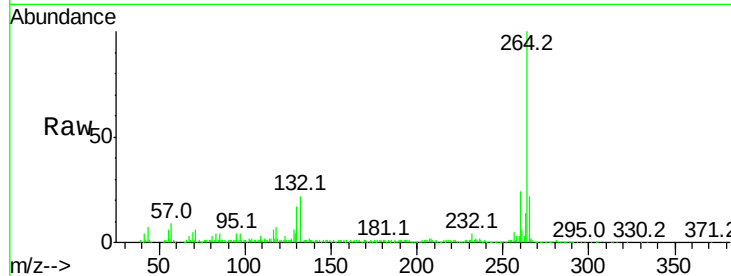


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098939.D
Acq: 29 Sep 2017 10:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 269776

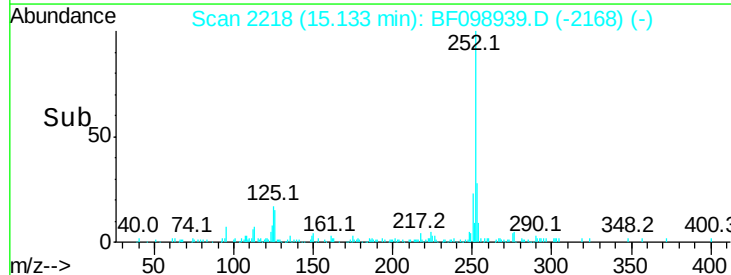
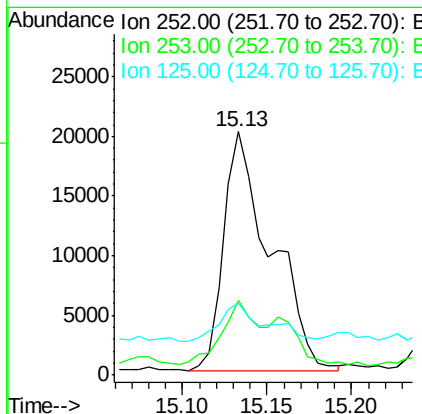
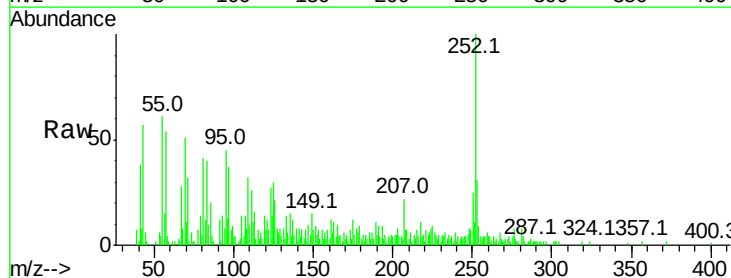
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.6	17.5	26.3

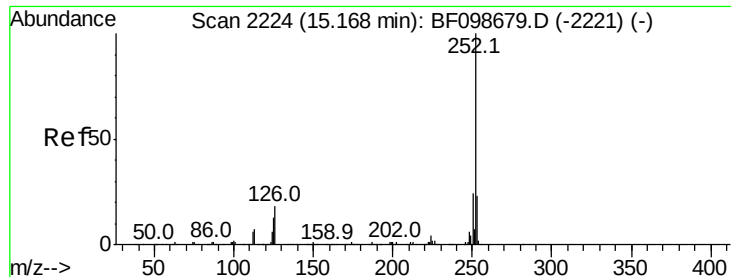


#87
Benzo(b)fluoranthene
Concen: 2.337 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098939.D
Acq: 29 Sep 2017 10:17

Tgt Ion:252 Resp: 38759

Ion	Ratio	Lower	Upper
252	100		
253	30.6	17.0	25.6#
125	29.7	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.366 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.04 min

Lab File: BF098939.D

Acq: 29 Sep 2017 10:17

Instrument :

BNA_F

ClientSampleId :

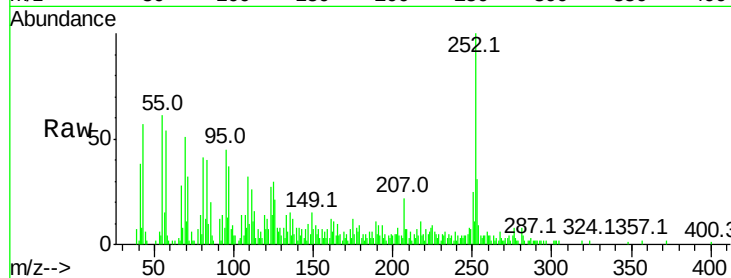
Tot Ion:252 Resp: 38759

Ion Ratio Lower Upper

252 100

253 30.6 17.9 26.9#

125 29.7 10.2 15.2#



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

