

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101517\
 Data File : BF099518.D
 Acq On : 15 Oct 2017 17:20
 Operator : SJ/JU
 Sample : I5752-08 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 16 01:07:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	88306	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	331956	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	121964	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	182147	20.00	ng	0.00
75) Chrysene-d12	14.01	240	183256	20.00	ng	0.00
86) Perylene-d12	15.49	264	176480	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	260383	46.94	ng	0.00
7) Phenol-d6	6.47	99	313311	45.78	ng	-0.01
23) Nitrobenzene-d5	7.40	82	183609	35.47	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	31274	31.34	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	328922	45.02	ng	-0.01
78) Terphenyl-d14	12.95	244	228500	28.36	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	18802	2.46	ng	91
19) n-Nitroso-di-n-propylamine	7.40	70	22769	5.21	ng	# 77
25) Isophorone	7.40	82	183609	17.16	ng	# 64
49) Dimethylphthalate	9.59	163	43233	4.70	ng	99
50) 2,6-Dinitrotoluene	9.88	165	16150	8.06	ng	# 24
56) 2,4-Dinitrotoluene	9.88	165	16150	6.21	ng	# 21
62) Azobenzene	10.59	77	24796	3.00	ng	# 1
74) Fluoranthene	12.58	202	27449	2.78	ng	99
87) Benzo(b)fluoranthene	15.05	252	35203	3.24	ng	# 87
88) Benzo(k)fluoranthene	15.05	252	35203	3.28	ng	# 90

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

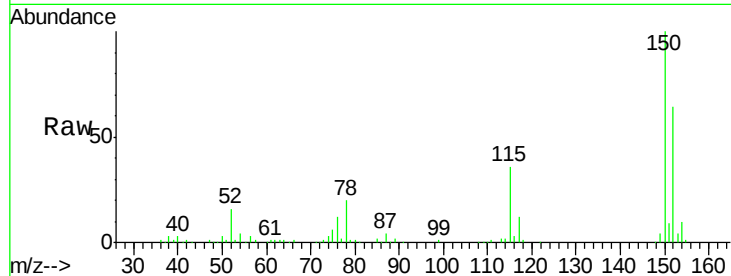


#1

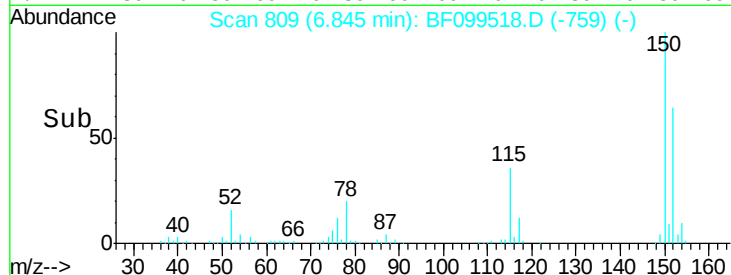
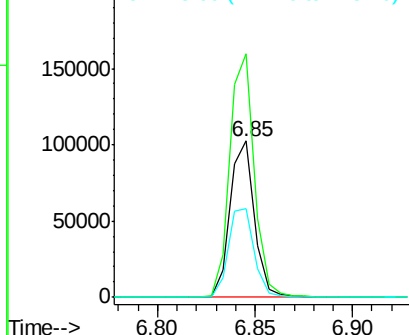
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF099518.D
Acq: 15 Oct 2017 17:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 88306
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 56.9 50.1 75.1



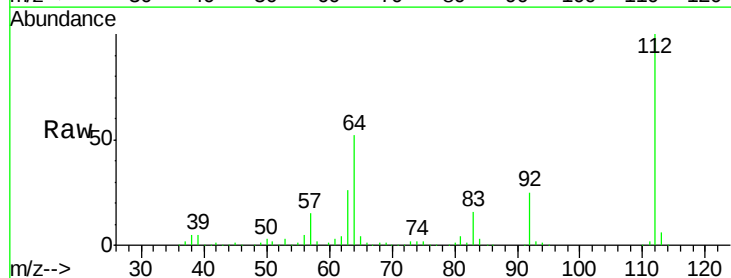
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



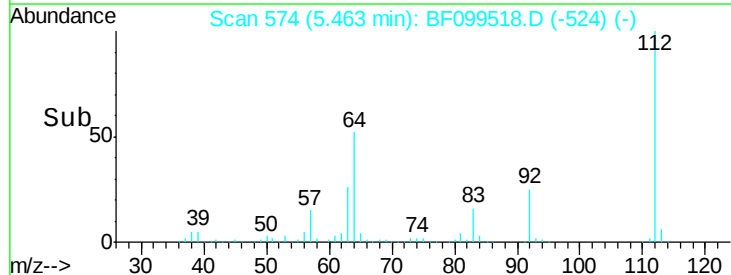
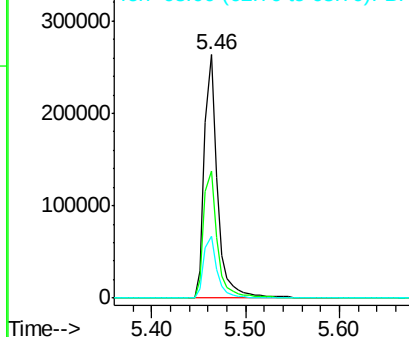
#5

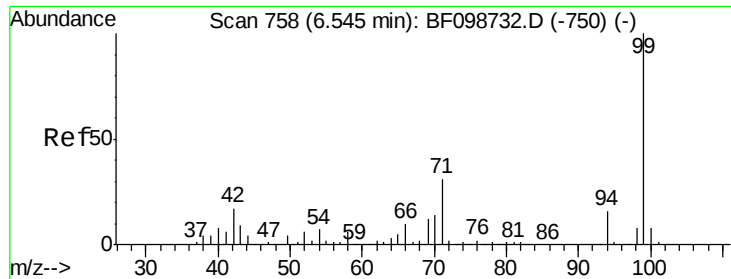
2-Fluorophenol
Concen: 46.94 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF099518.D
Acq: 15 Oct 2017 17:20

Tgt Ion:112 Resp: 260383
Ion Ratio Lower Upper
112 100
64 52.3 47.9 71.9
63 25.6 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: 45.78 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099518.D

Acq: 15 Oct 2017 17:20

Instrument :

BNA_F

ClientSampleId :

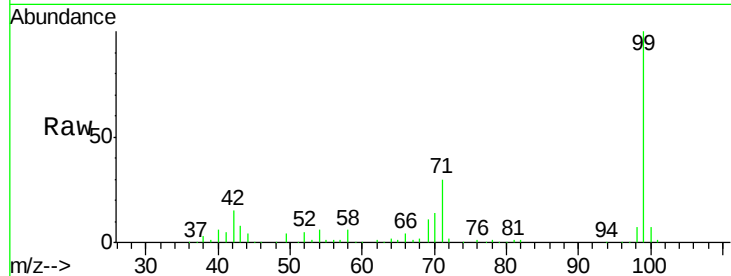
Tot Ion: 99 Resp: 313311

Ion Ratio Lower Upper

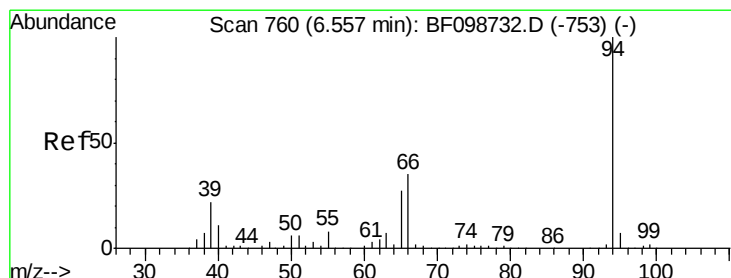
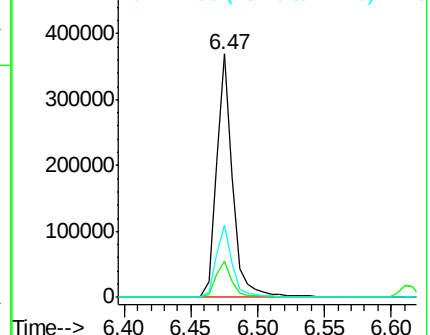
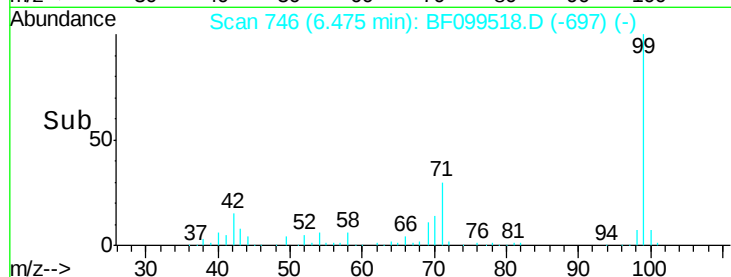
99 100

42 15.1 14.5 21.7

71 29.6 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.46 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF099518.D

Acq: 15 Oct 2017 17:20

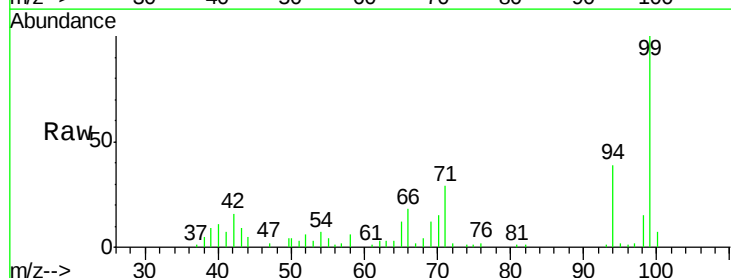
Tgt Ion: 94 Resp: 18802

Ion Ratio Lower Upper

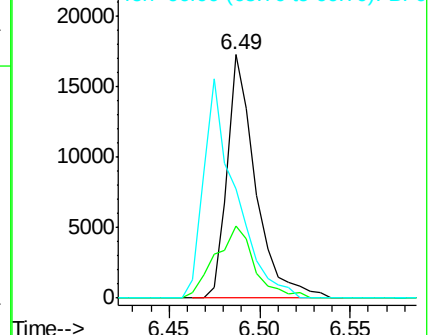
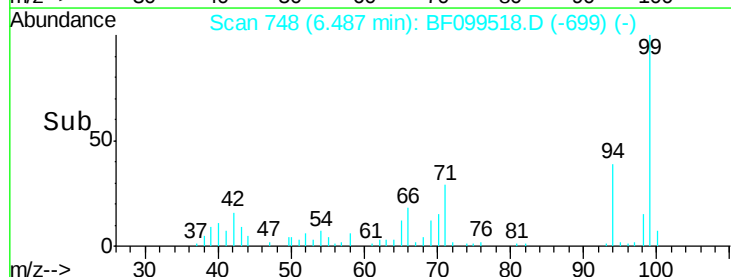
94 100

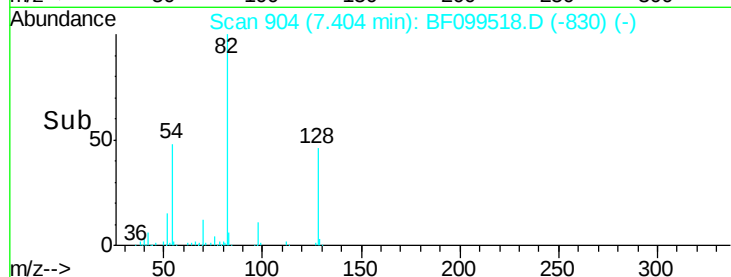
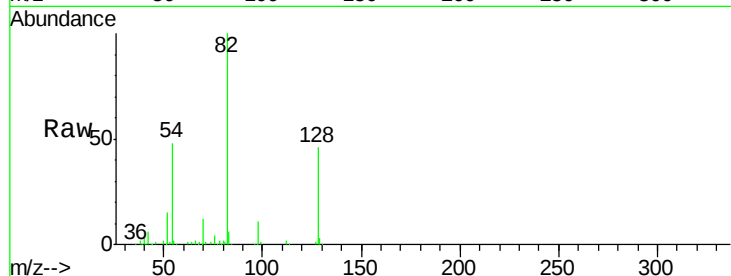
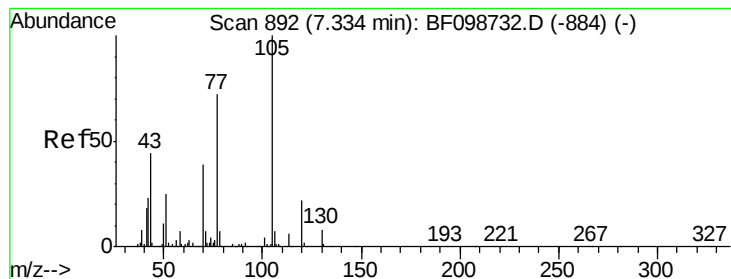
65 29.4 7.9 47.9

66 44.6 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 5.21 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF099518.D

Acq: 15 Oct 2017 17:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 22769

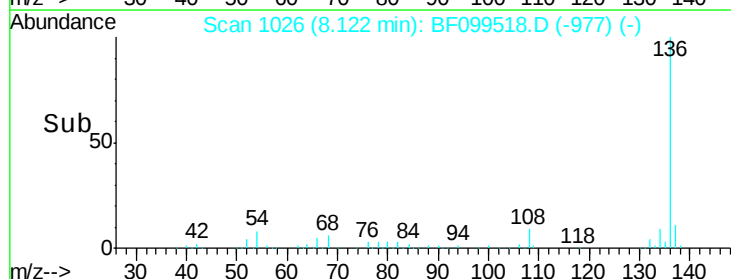
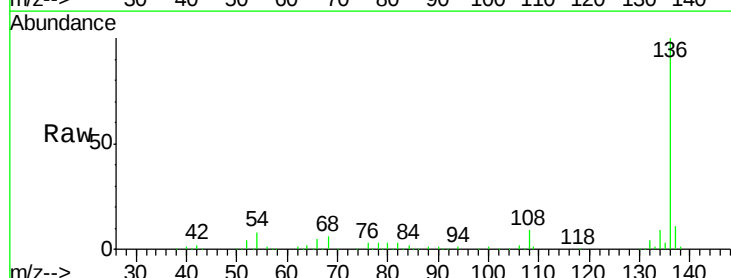
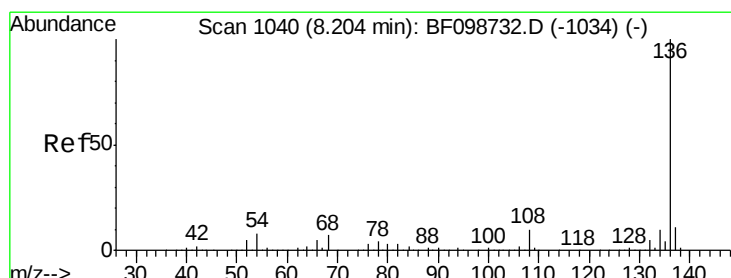
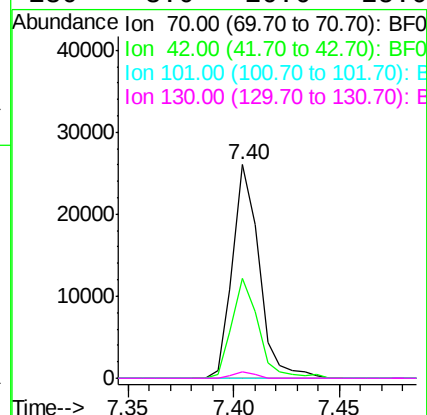
Ion Ratio Lower Upper

70 100

42 46.8 47.5 71.3#

101 0.0 7.4 11.2#

130 3.0 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF099518.D

Acq: 15 Oct 2017 17:20

Tgt Ion: 136 Resp: 331956

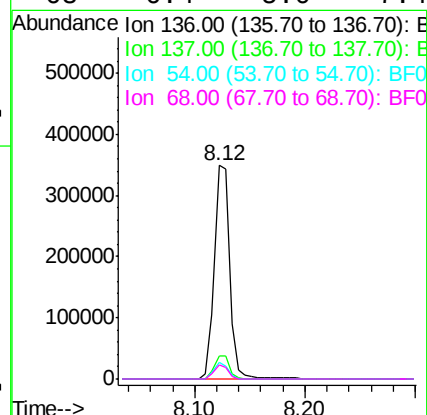
Ion Ratio Lower Upper

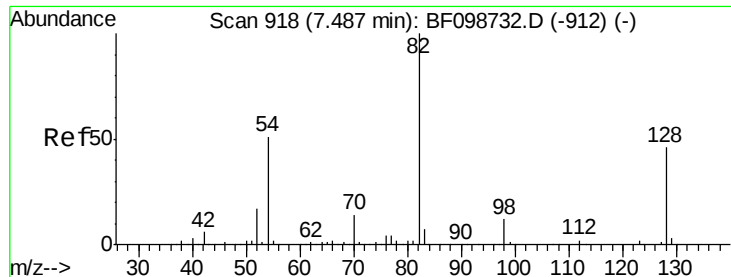
136 100

137 11.0 8.9 13.3

54 7.8 6.6 9.8

68 6.4 5.0 7.4

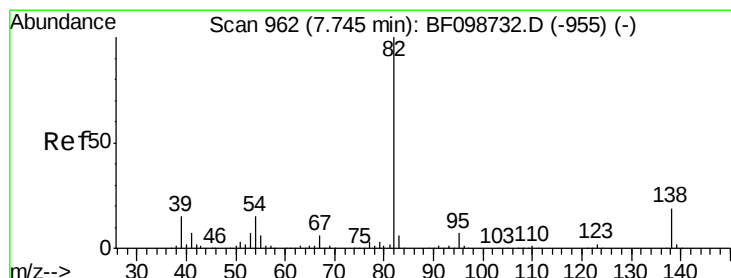
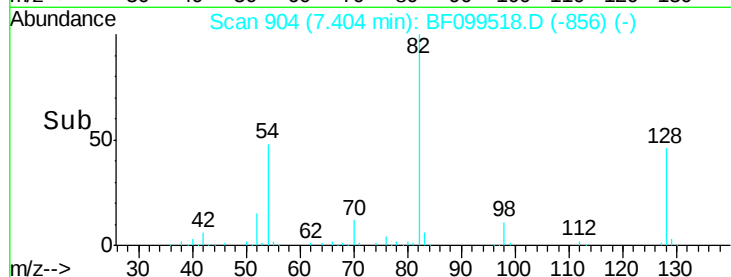
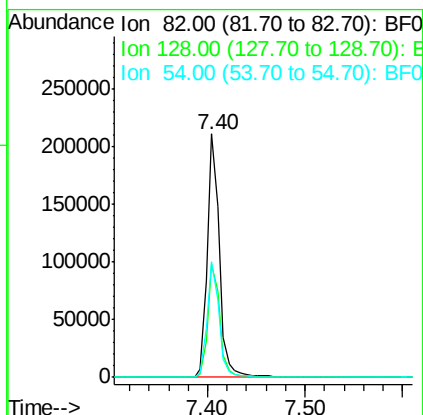
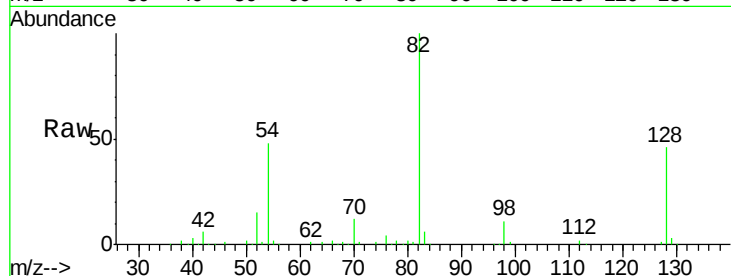




#23
 Nitrobenzene-d5
 Concen: 35.47 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.02 min
 Lab File: BF099518.D
 Acq: 15 Oct 2017 17:20

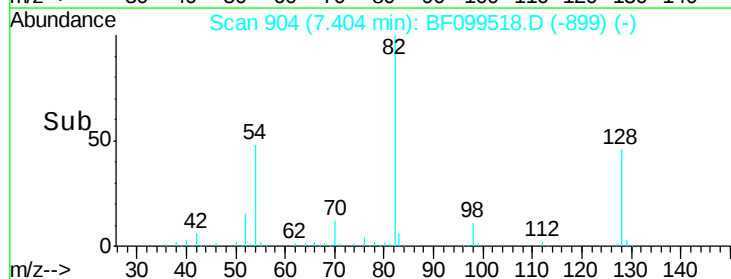
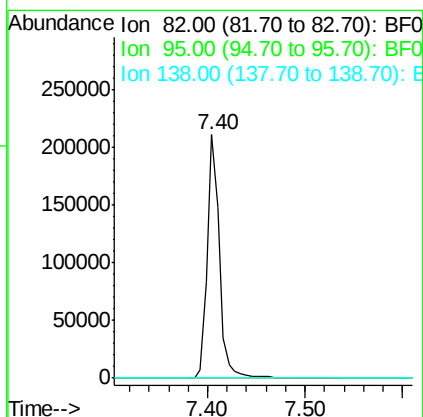
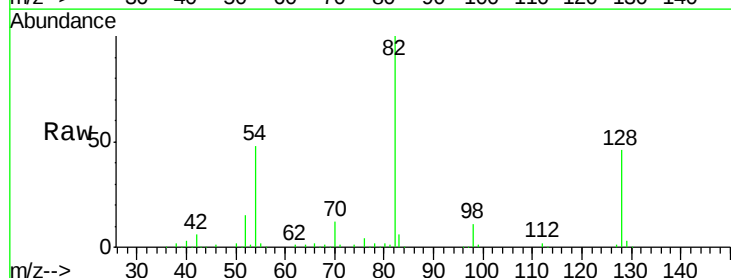
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 183609
 Ion Ratio Lower Upper
 82 100
 128 46.2 36.1 54.1
 54 47.7 41.4 62.2



#25
 Isophorone
 Concen: 17.16 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.27 min
 Lab File: BF099518.D
 Acq: 15 Oct 2017 17:20

Tgt Ion: 82 Resp: 183609
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

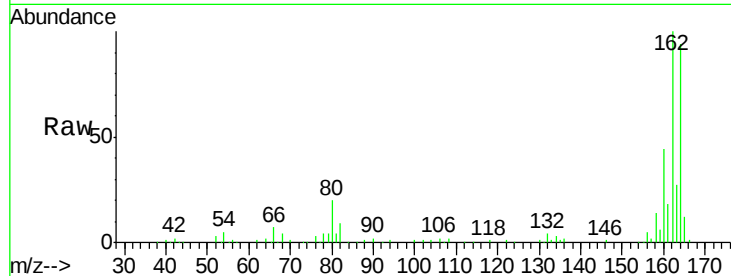




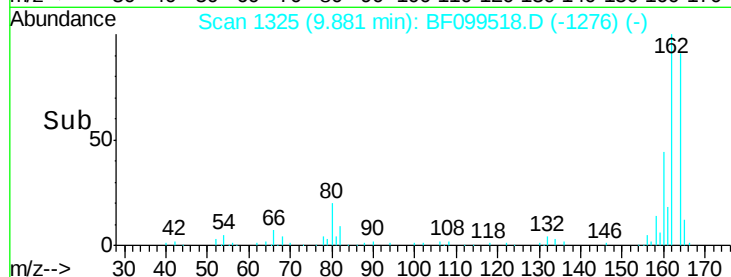
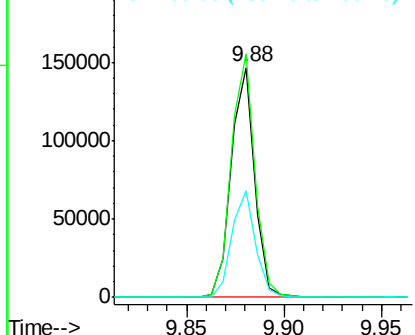
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF099518.D
 Acq: 15 Oct 2017 17:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 121964
 Ion Ratio Lower Upper
 164 100
 162 105.8 86.1 129.1
 160 46.1 38.3 57.5

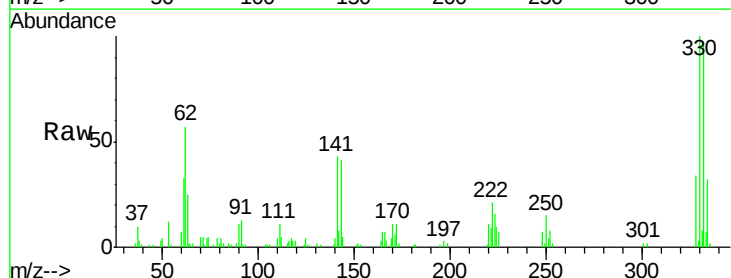


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

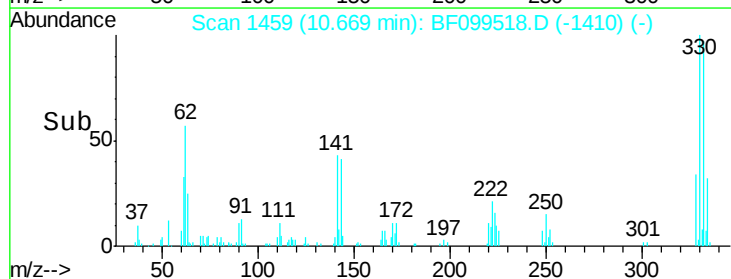
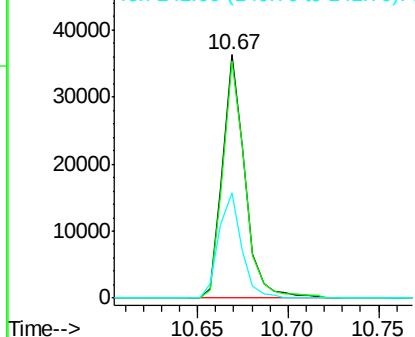


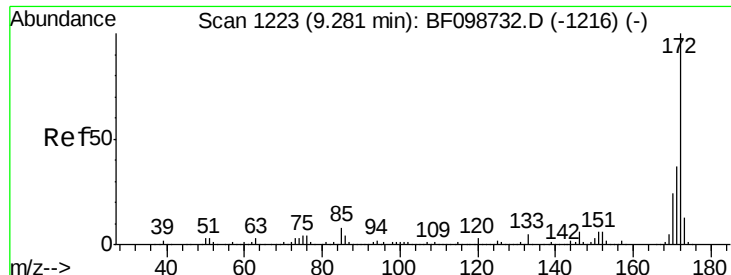
#41
 2,4,6-Tribromophenol
 Concen: 31.34 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF099518.D
 Acq: 15 Oct 2017 17:20

Tgt Ion:330 Resp: 31274
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.0 115.6
 141 44.2 29.9 44.9



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

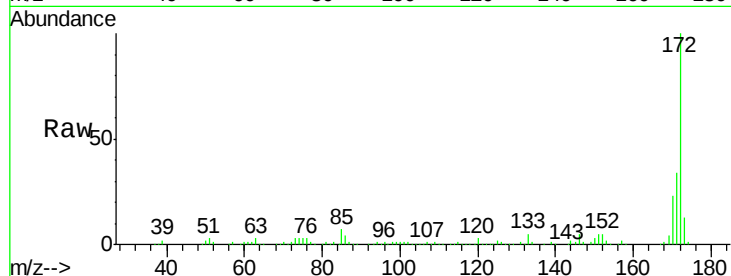




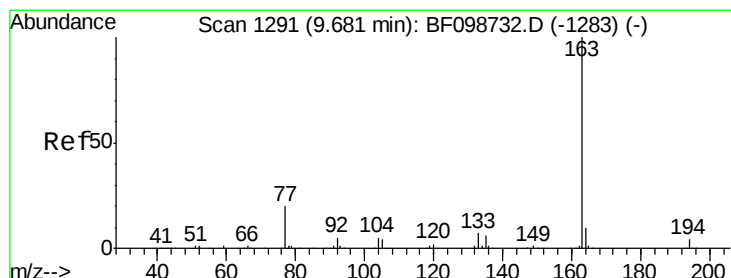
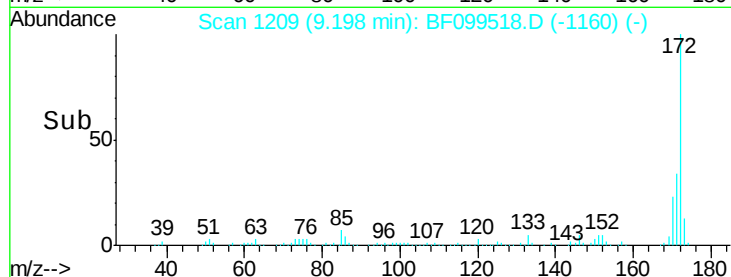
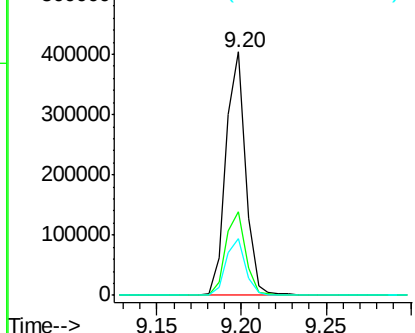
#44
2-Fluorobiphenyl
Concen: 45.02 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF099518.D
Acq: 15 Oct 2017 17:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 328922
Ion Ratio Lower Upper
172 100
171 34.2 29.7 44.5
170 23.1 19.6 29.4

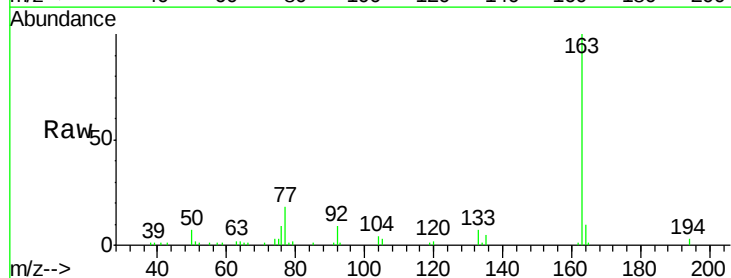


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

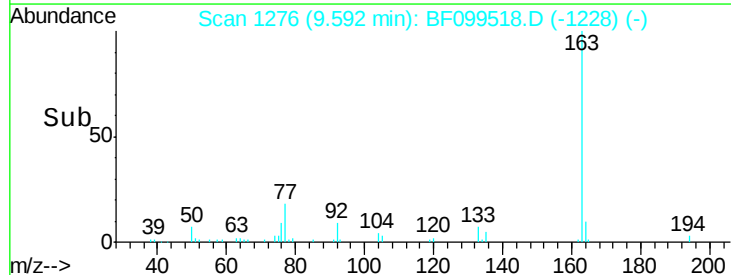
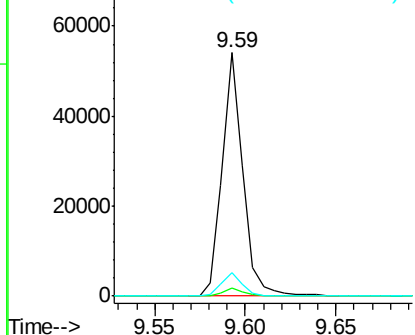


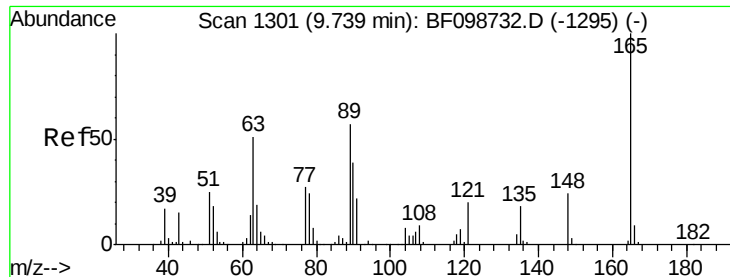
#49
Dimethylphthalate
Concen: 4.70 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF099518.D
Acq: 15 Oct 2017 17:20

Tgt Ion:163 Resp: 43233
Ion Ratio Lower Upper
163 100
194 3.2 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

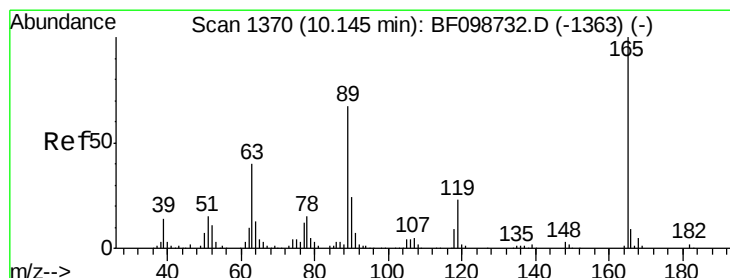
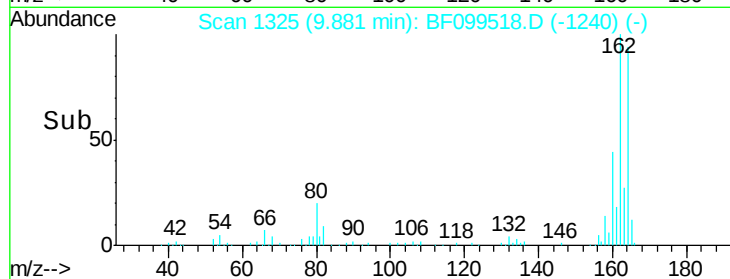
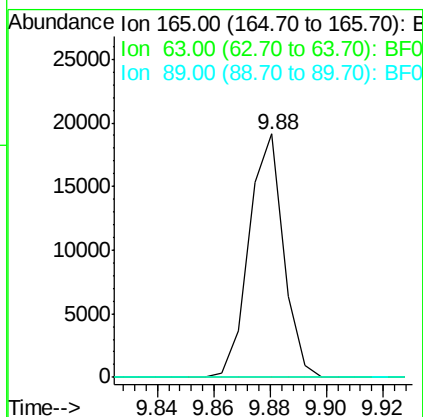
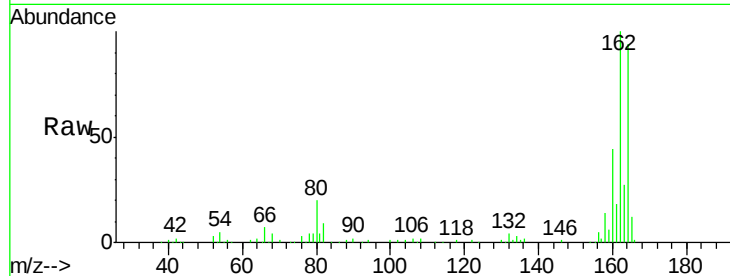




#50
 2,6-Dinitrotoluene
 Concen: 8.06 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.20 min
 Lab File: BF099518.D
 Acq: 15 Oct 2017 17:20

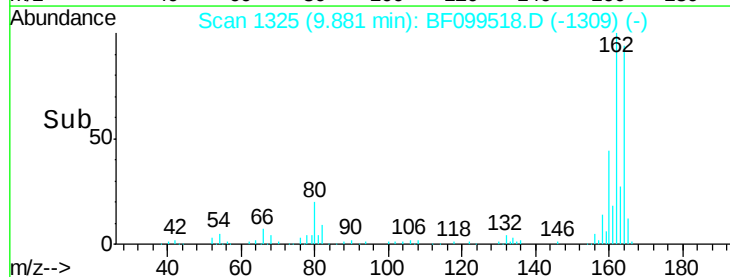
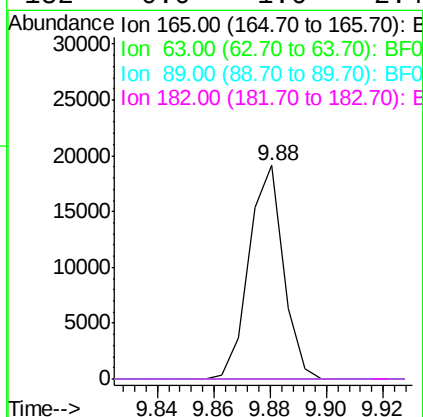
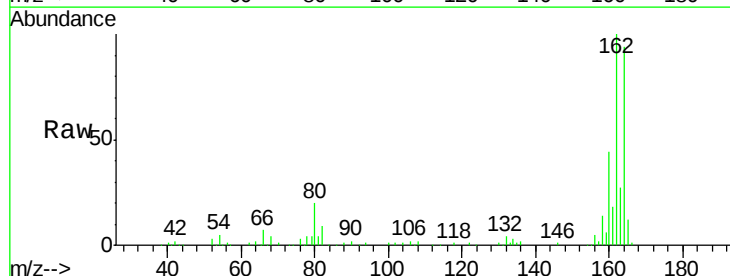
Instrument :
 BNA_F
 ClientSampleId :

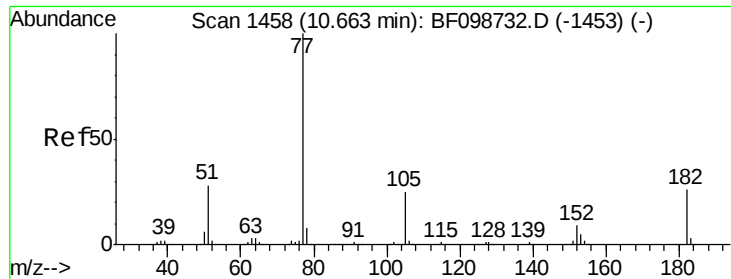
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.21 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.21 min
 Lab File: BF099518.D
 Acq: 15 Oct 2017 17:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#





#62

Azobenzene

Concen: 3.00 ng

RT: 10.59 min Scan# 1446

Delta R.T. 0.01 min

Lab File: BF099518.D

Acq: 15 Oct 2017 17:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 24796

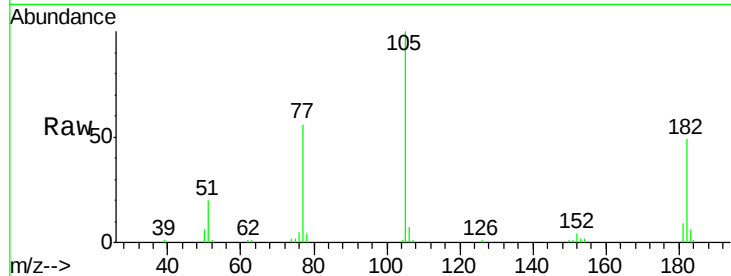
Ion Ratio Lower Upper

77 100

182 87.6 1.7 41.7#

105 177.8 3.0 43.0#

51 36.1 9.9 49.9

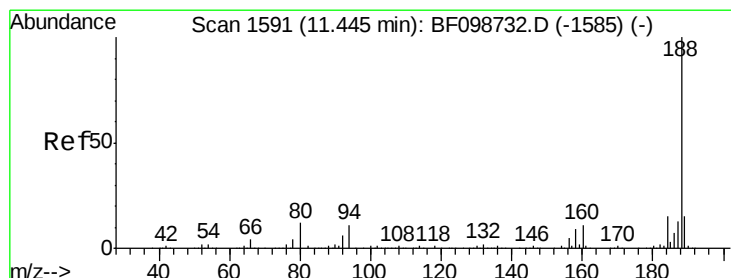
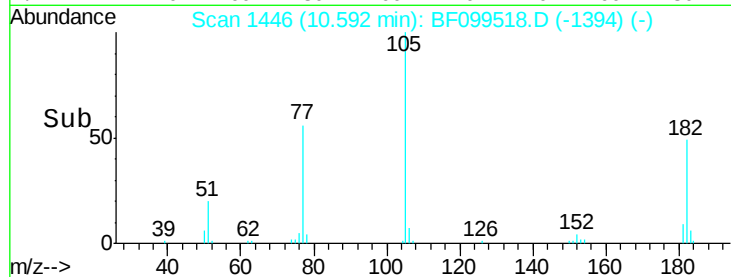
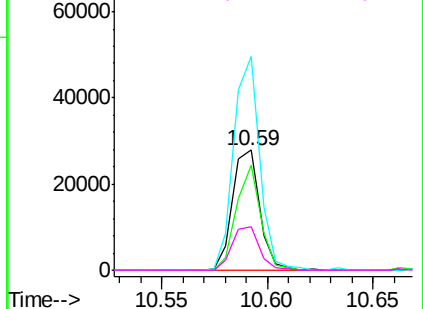


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF099518.D

Acq: 15 Oct 2017 17:20

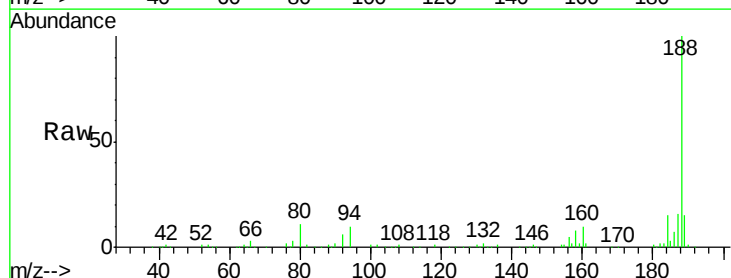
Tgt Ion: 188 Resp: 182147

Ion Ratio Lower Upper

188 100

94 10.2 8.5 12.7

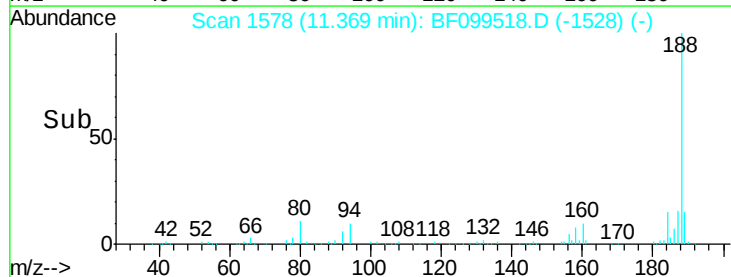
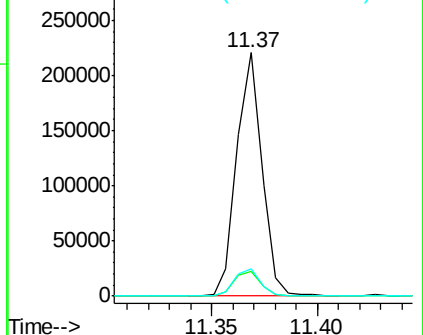
80 11.1 9.2 13.8

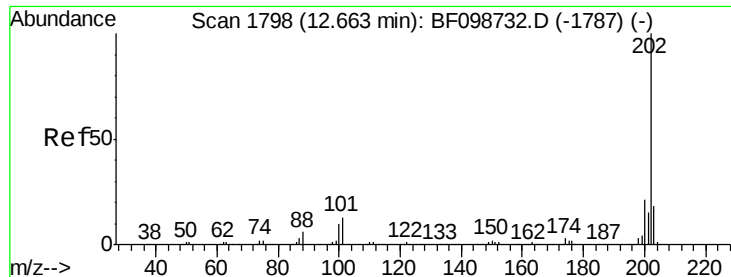


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.78 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF099518.D

Acq: 15 Oct 2017 17:20

Instrument :

BNA_F

ClientSampleId :

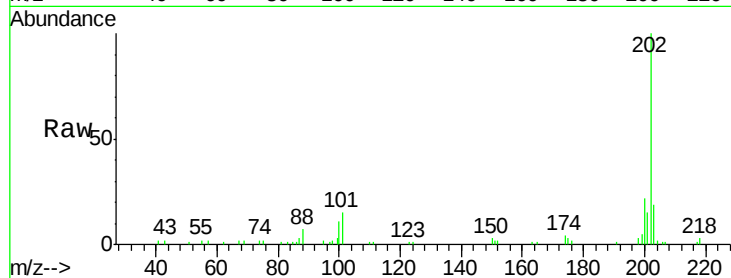
Tot Ion:202 Resp: 27449

Ion Ratio Lower Upper

202 100

101 14.9 0.0 34.1

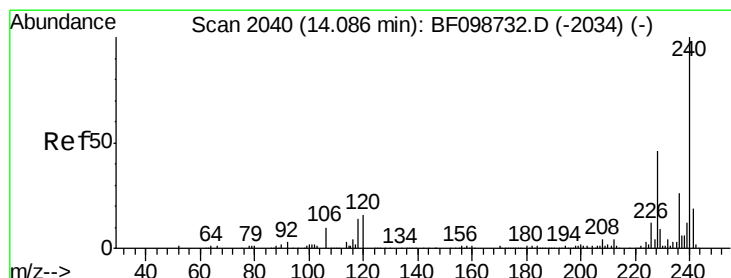
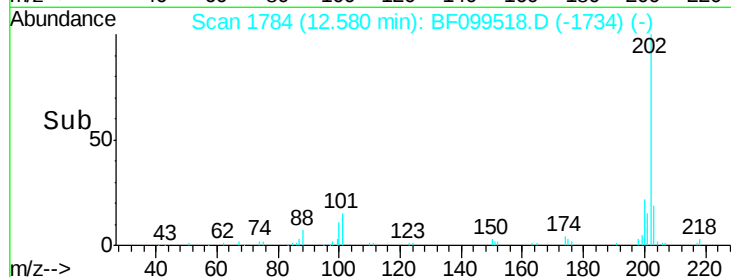
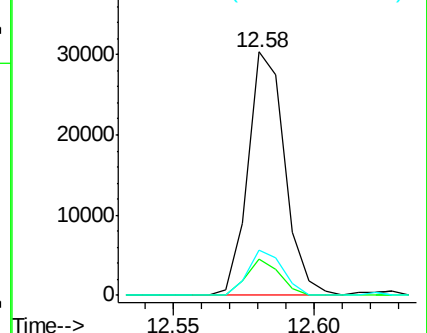
203 18.6 0.0 38.1



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: 20.00 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF099518.D

Acq: 15 Oct 2017 17:20

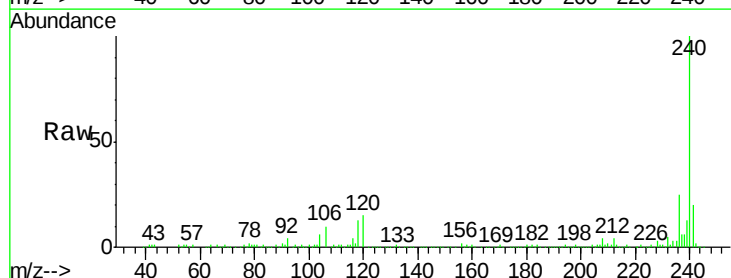
Tgt Ion:240 Resp: 183256

Ion Ratio Lower Upper

240 100

120 15.1 9.5 14.3#

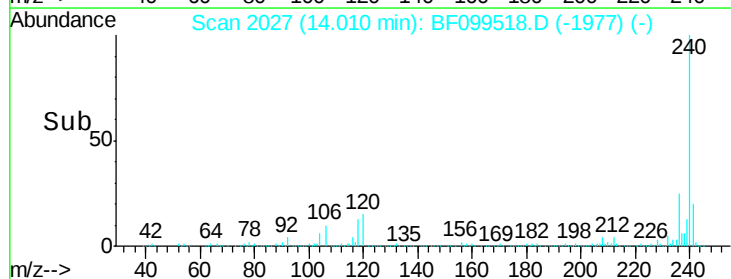
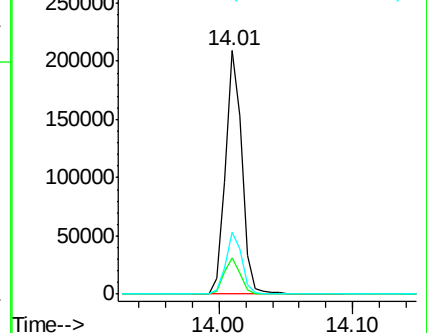
236 25.3 20.7 31.1

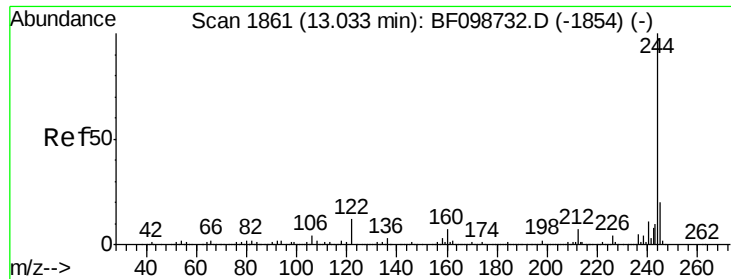


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

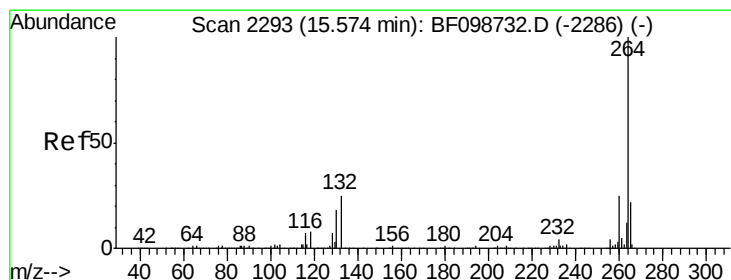
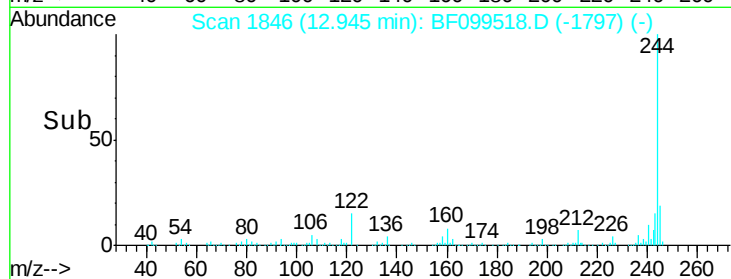
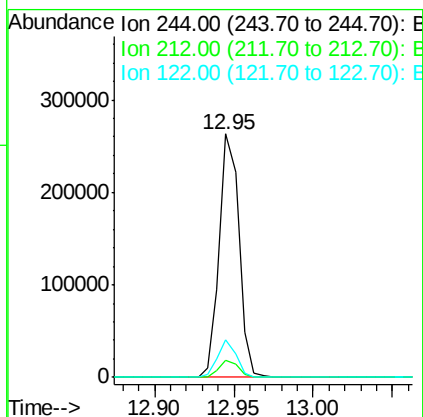
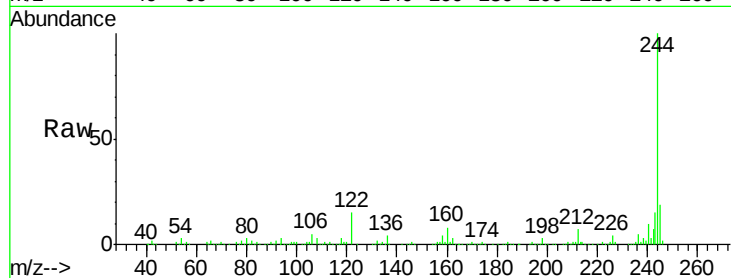




#78
 Terphenyl-d14
 Concen: 28.36 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF099518.D
 Acq: 15 Oct 2017 17:20

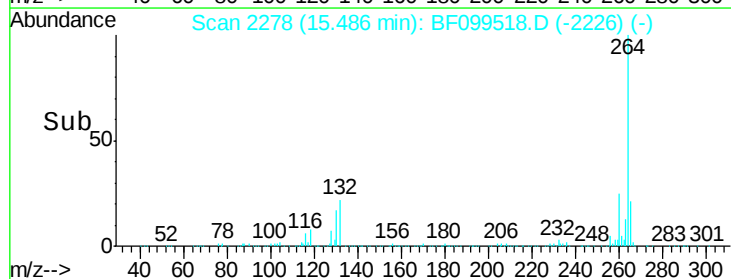
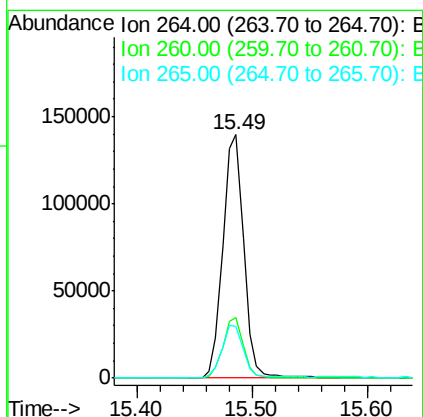
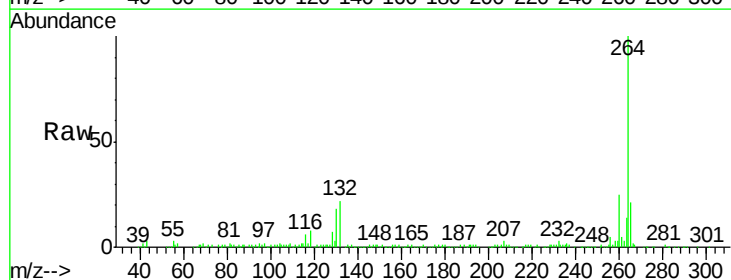
Instrument :
 BNA_F
 ClientSampleId :

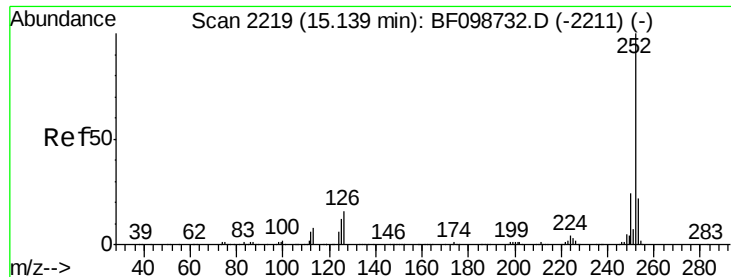
Tot Ion:244 Resp: 228500
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 15.2 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. 0.01 min
 Lab File: BF099518.D
 Acq: 15 Oct 2017 17:20

Tgt Ion:264 Resp: 176480
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.2 28.8
 265 21.3 17.5 26.3

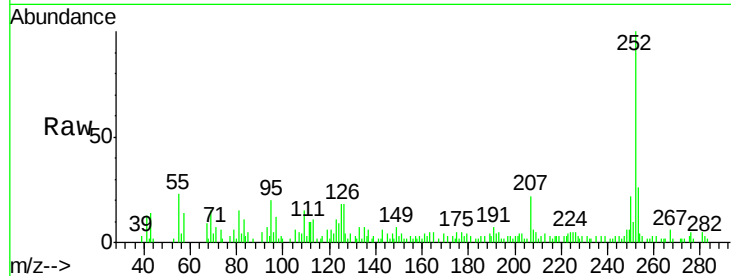




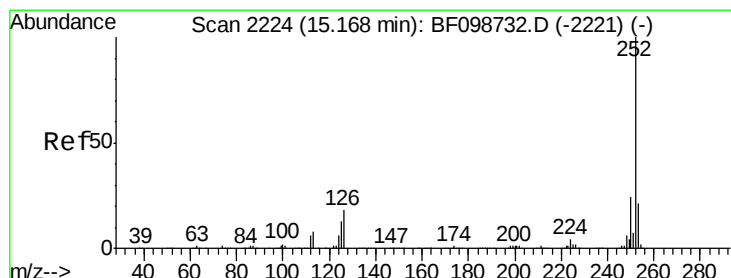
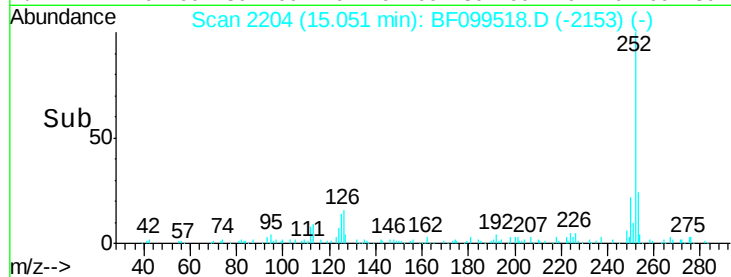
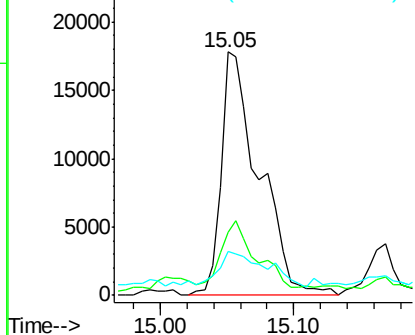
#87
Benzo(b)fluoranthene
Concen: 3.24 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BF099518.D
Acq: 15 Oct 2017 17:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 35203
Ion Ratio Lower Upper
252 100
253 26.0 17.0 25.6#
125 17.9 9.0 13.6#

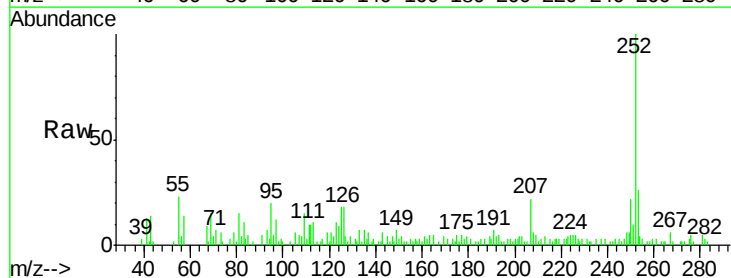


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 3.28 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF099518.D
Acq: 15 Oct 2017 17:20

Tgt Ion:252 Resp: 35203
Ion Ratio Lower Upper
252 100
253 26.0 17.9 26.9
125 17.9 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

