

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099315.D
 Acq On : 10 Oct 2017 22:19
 Operator : SJ/JU
 Sample : I5691-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 11 00:53:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

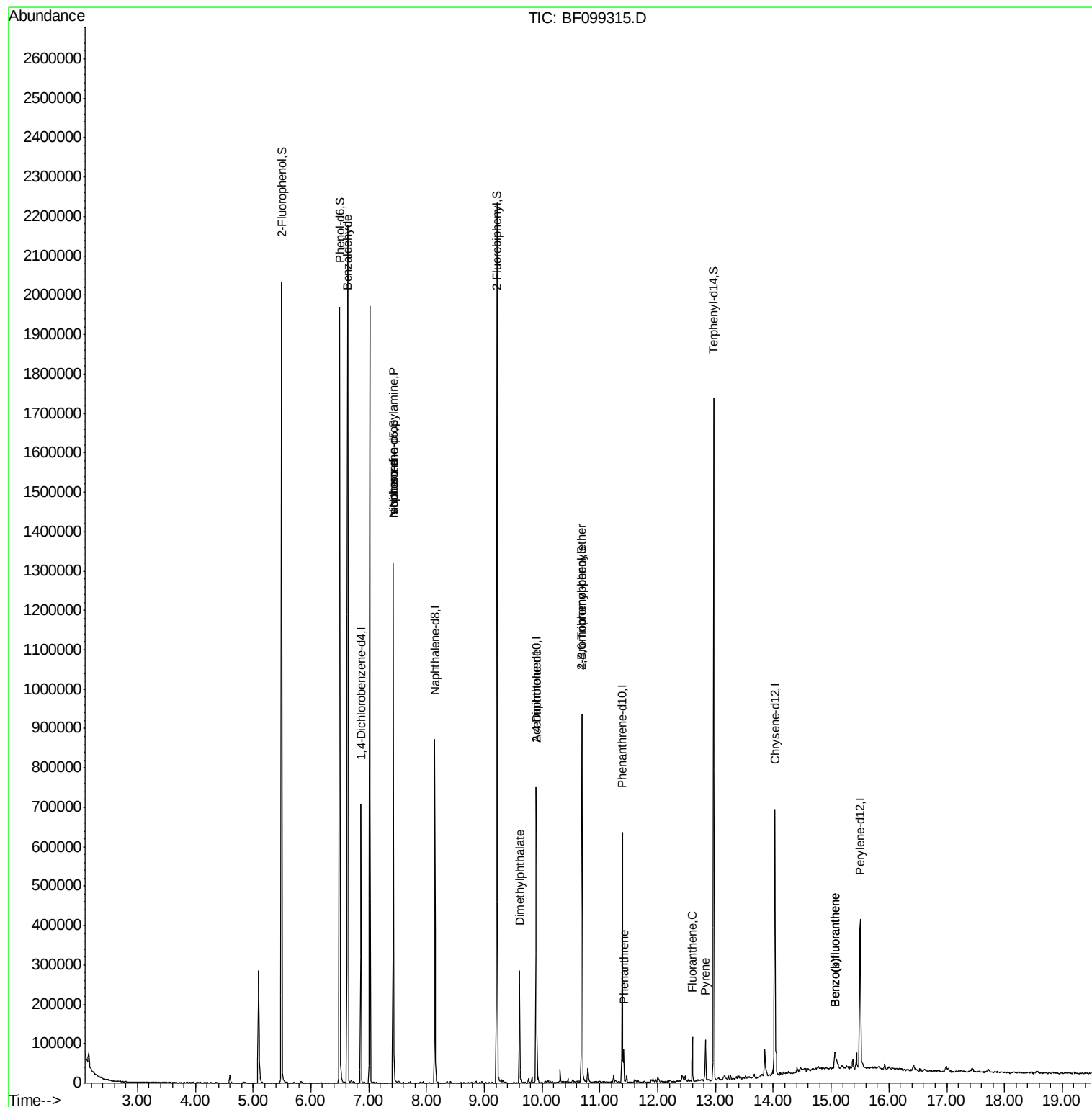
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	97951	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	373678	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	141417	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	207671	20.00	ng	0.00
75) Chrysene-d12	14.03	240	198613	20.00	ng	0.00
86) Perylene-d12	15.50	264	162044	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	648810	105.44	ng	0.01
7) Phenol-d6	6.50	99	747208	98.44	ng	0.00
23) Nitrobenzene-d5	7.43	82	437833	75.14	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	112256	97.01	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	773266	91.28	ng	0.00
78) Terphenyl-d14	12.97	244	519653	59.50	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.63	77	11830	2.69	ng	86
19) n-Nitroso-di-n-propylamine	7.43	70	54815	11.31	ng	# 74
25) Isophorone	7.43	82	437828	36.34	ng	# 64
49) Dimethylphthalate	9.61	163	111815	10.48	ng	100
56) 2,4-Dinitrotoluene	9.90	165	17858	5.92	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	7469	3.67	ng	# 1
70) Phenanthrene	11.41	178	27554	2.48	ng	96
74) Fluoranthene	12.60	202	41696	3.70	ng	98
77) Pyrene	12.83	202	41530	2.74	ng	97
87) Benzo(b)fluoranthene	15.07	252	29248	2.94	ng	# 92
88) Benzo(k)fluoranthene	15.07	252	29248	2.97	ng	# 95

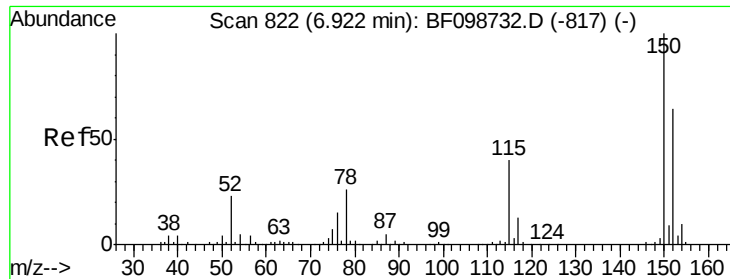
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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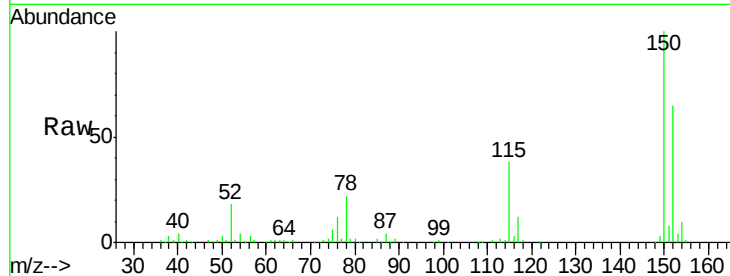


#1

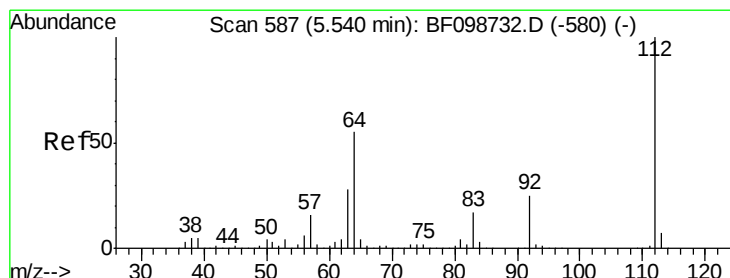
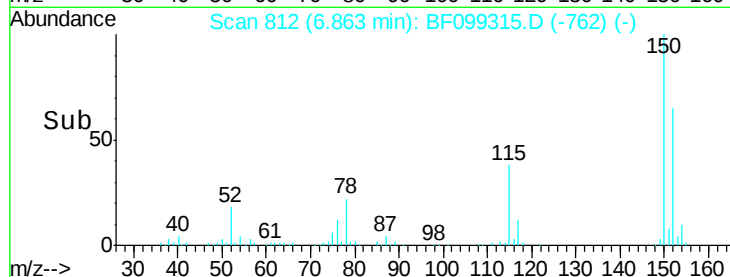
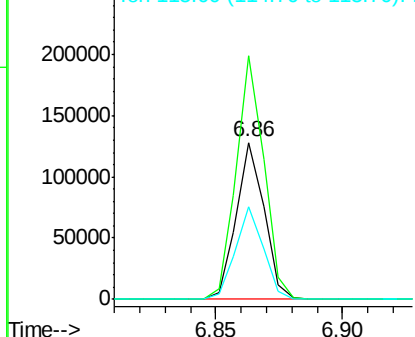
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099315.D
Acq: 10 Oct 2017 22:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 97951
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 58.7 50.1 75.1



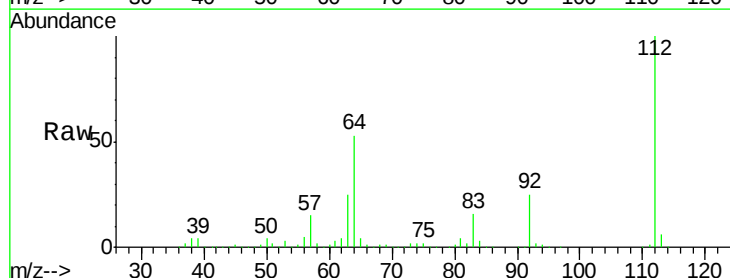
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



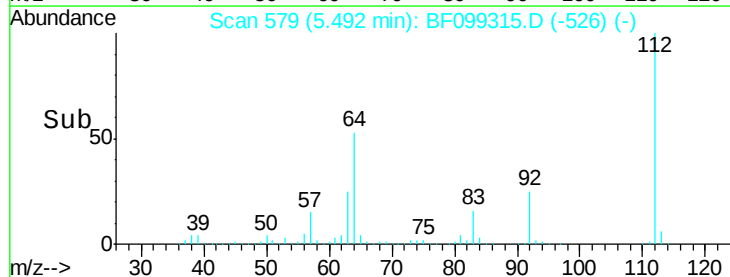
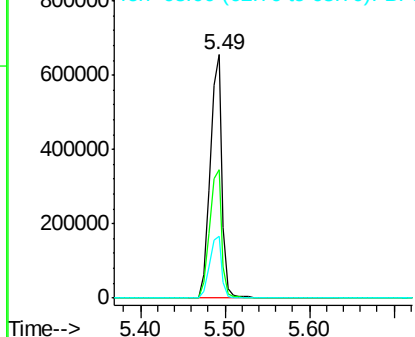
#5

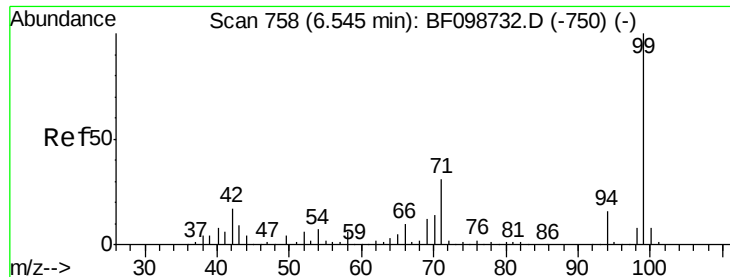
2-Fluorophenol
Concen: 105.44 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF099315.D
Acq: 10 Oct 2017 22:19

Tgt Ion:112 Resp: 648810
Ion Ratio Lower Upper
112 100
64 52.7 47.9 71.9
63 25.4 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: 98.44 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF099315.D

Acq: 10 Oct 2017 22:19

Instrument :

BNA_F

ClientSampled :

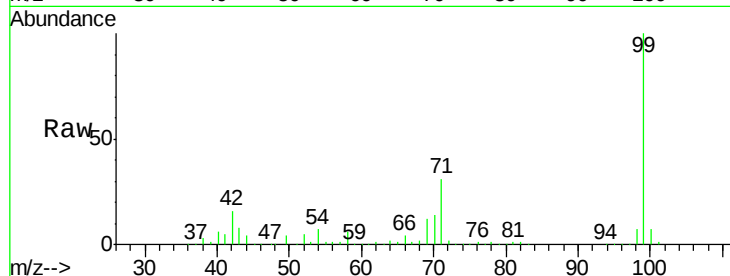
Tot Ion: 99 Resp: 747208

Ion Ratio Lower Upper

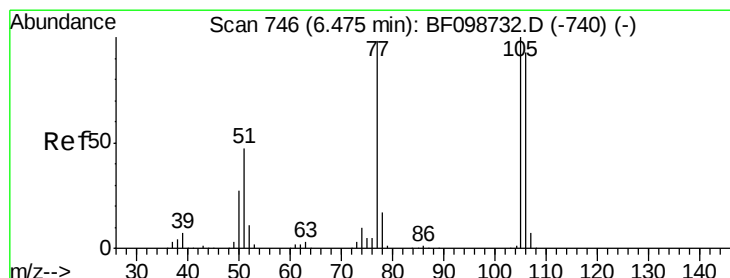
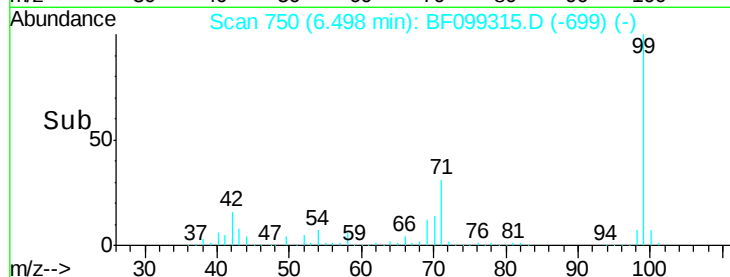
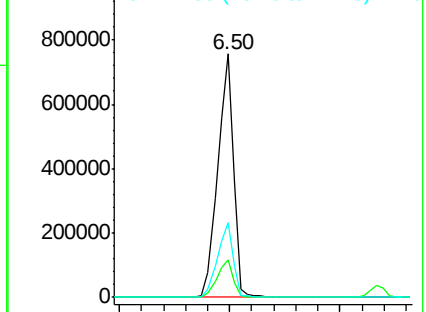
99 100

42 15.7 14.5 21.7

71 30.8 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



#9

Benzaldehyde

Concen: 2.69 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.21 min

Lab File: BF099315.D

Acq: 10 Oct 2017 22:19

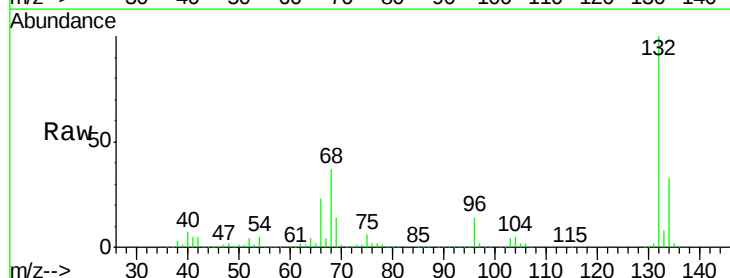
Tgt Ion: 77 Resp: 11830

Ion Ratio Lower Upper

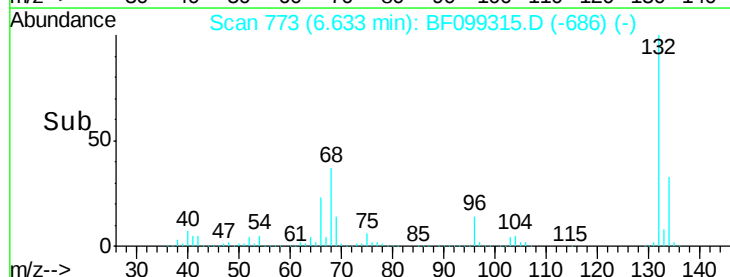
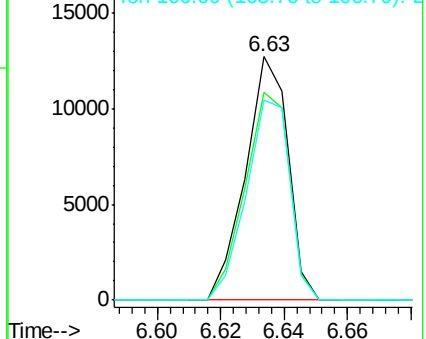
77 100

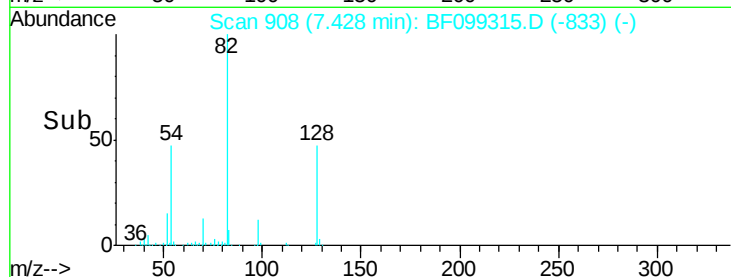
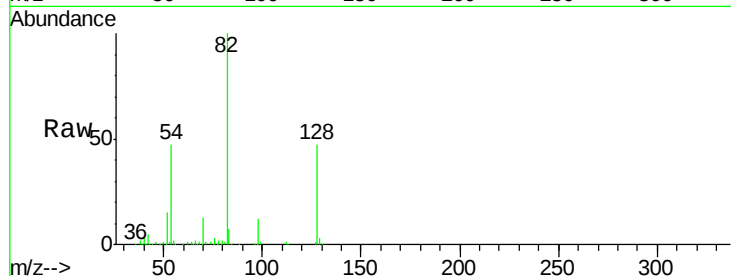
105 85.5 81.1 121.1

106 82.2 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 11.31 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF099315.D

Acq: 10 Oct 2017 22:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 54815

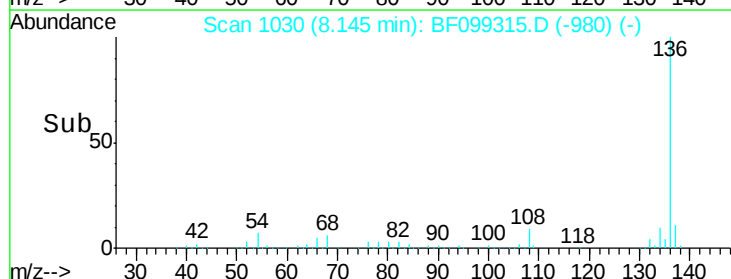
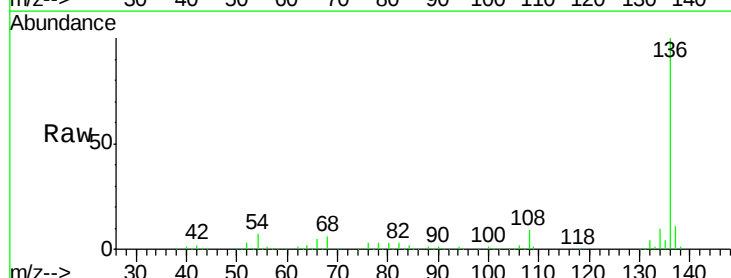
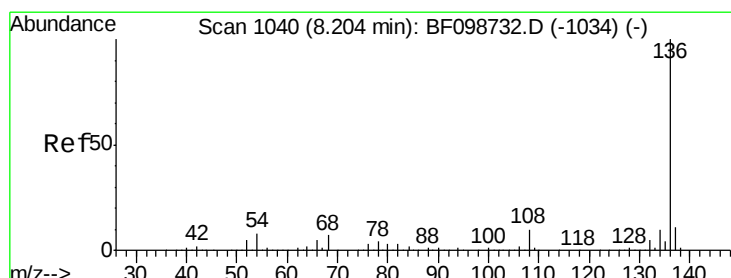
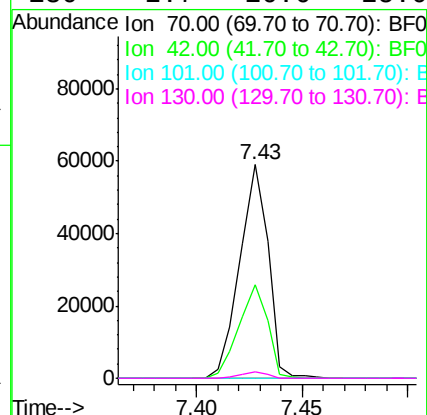
Ion Ratio Lower Upper

70 100

42 43.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099315.D

Acq: 10 Oct 2017 22:19

Tgt Ion: 136 Resp: 373678

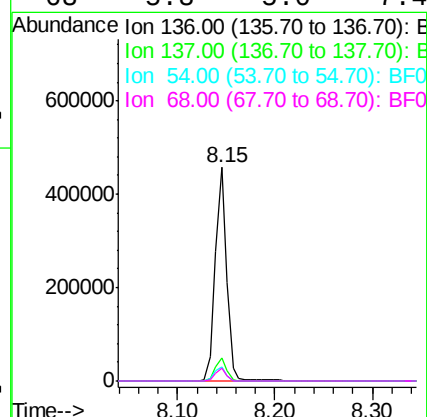
Ion Ratio Lower Upper

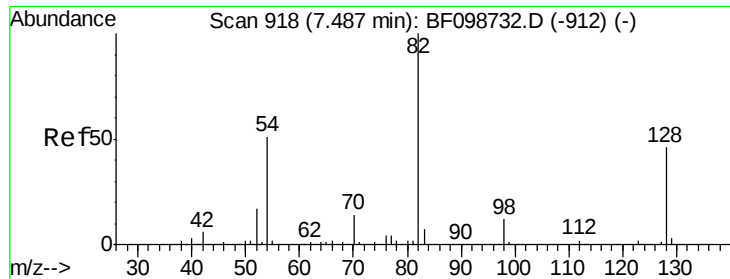
136 100

137 11.0 8.9 13.3

54 6.7 6.6 9.8

68 5.8 5.0 7.4

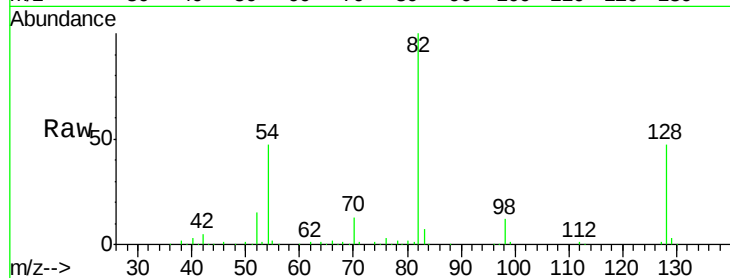




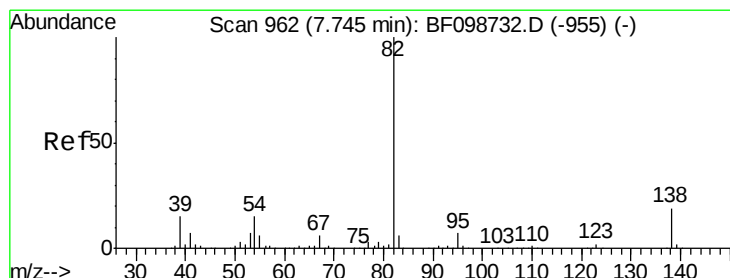
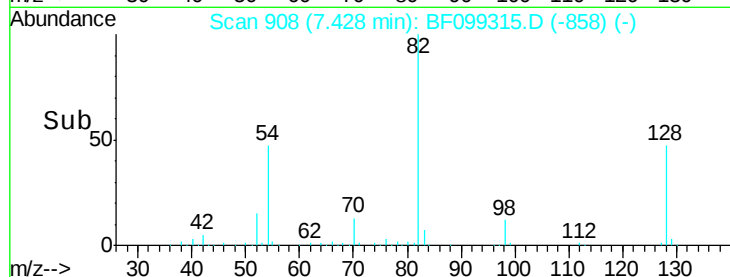
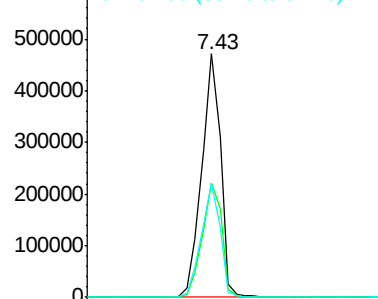
#23
 Nitrobenzene-d5
 Concen: 75.14 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF099315.D
 Acq: 10 Oct 2017 22:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 437833
 Ion Ratio Lower Upper
 82 100
 128 47.0 36.1 54.1
 54 46.9 41.4 62.2

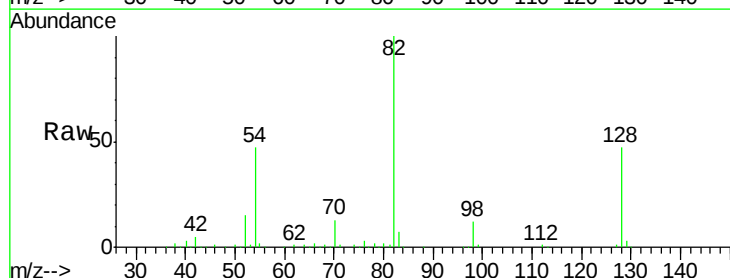


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

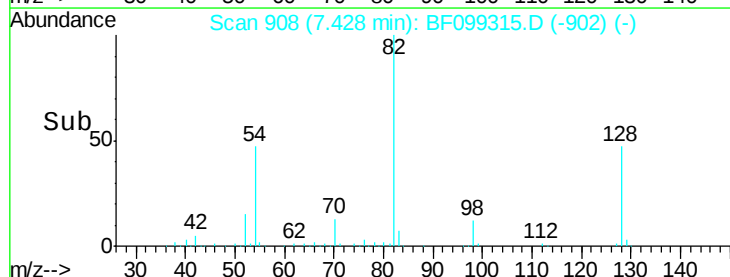
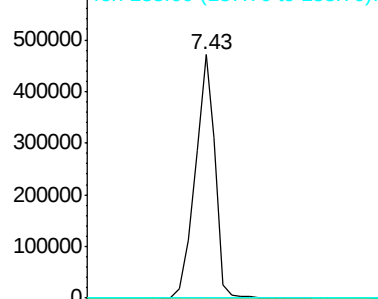


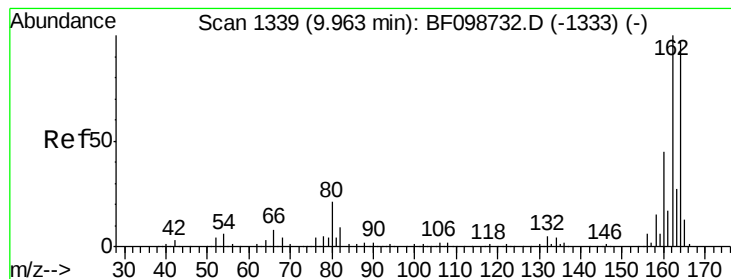
#25
 Isophorone
 Concen: 36.34 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.26 min
 Lab File: BF099315.D
 Acq: 10 Oct 2017 22:19

Tgt Ion: 82 Resp: 437828
 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: 20.00 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099315.D

Acq: 10 Oct 2017 22:19

Instrument :

BNA_F

ClientSampleId :

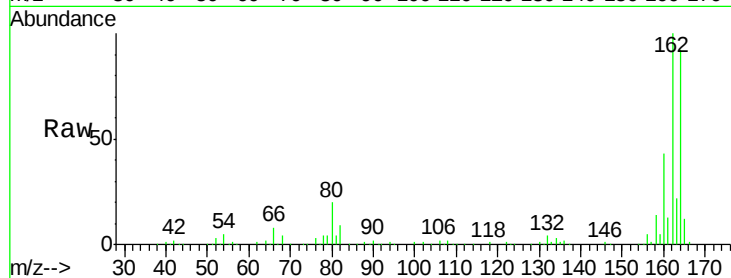
Tot Ion:164 Resp: 141417

Ion Ratio Lower Upper

164 100

162 108.9 86.1 129.1

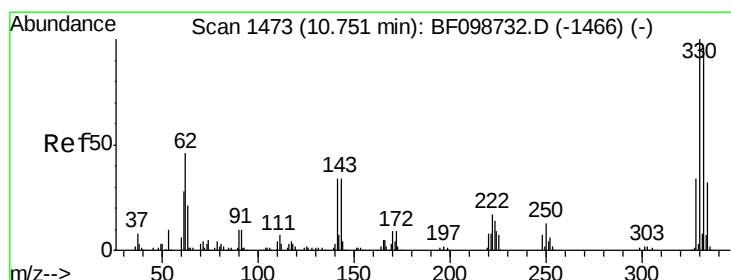
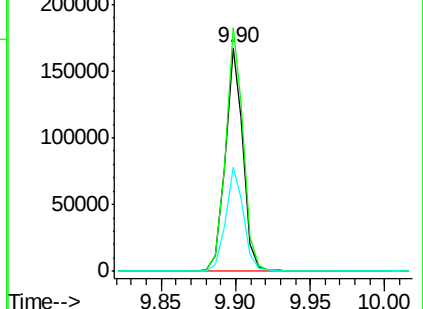
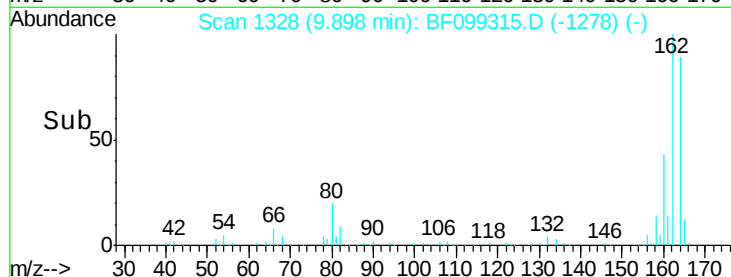
160 46.3 38.3 57.5



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: 97.01 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF099315.D

Acq: 10 Oct 2017 22:19

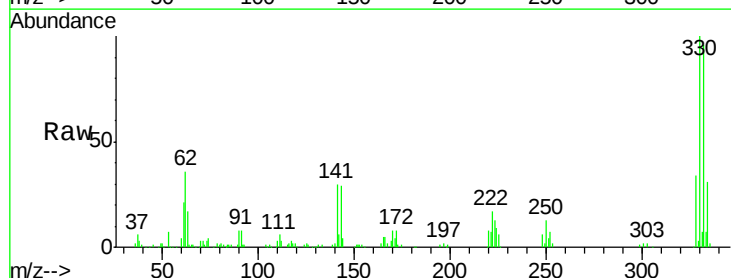
Tgt Ion:330 Resp: 112256

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

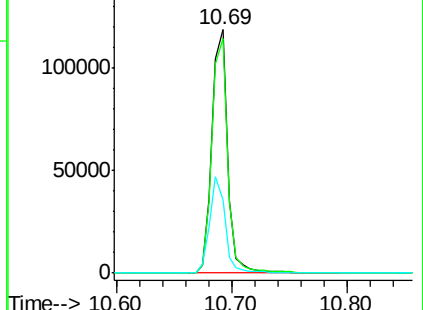
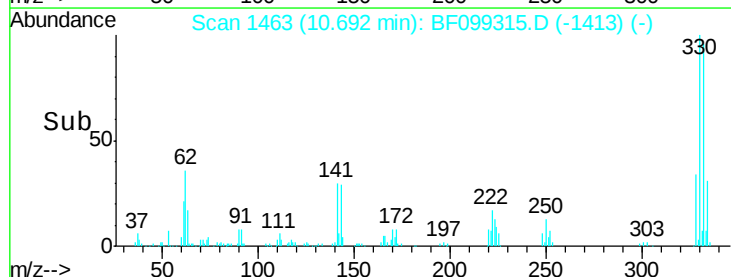
141 38.9 29.9 44.9

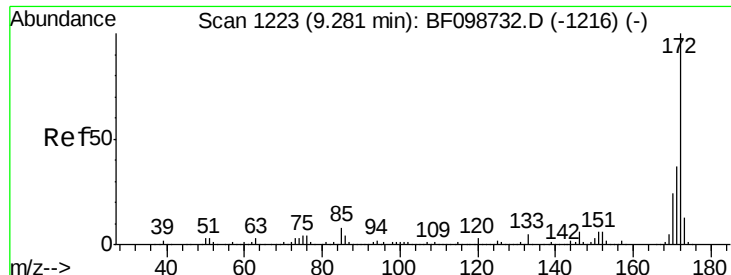


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

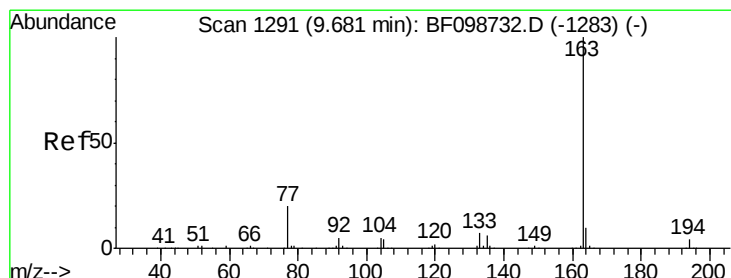
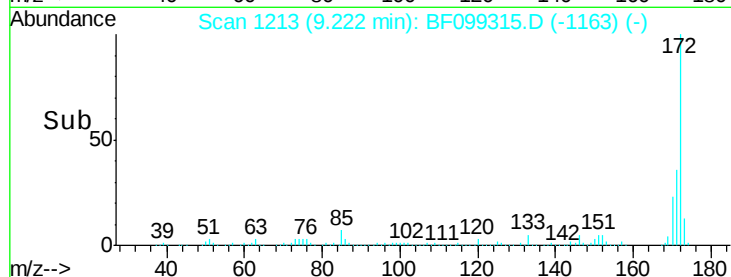
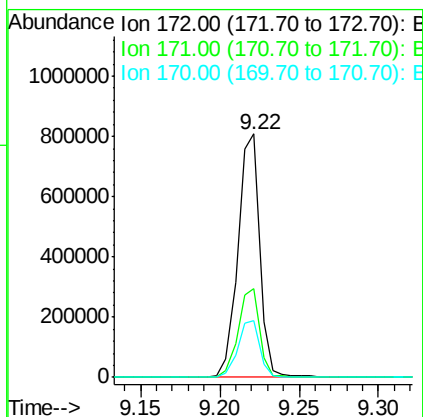
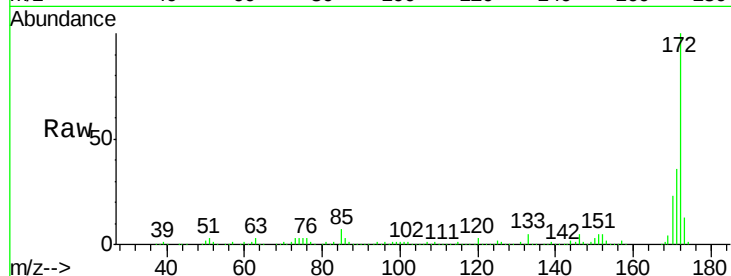




#44
2-Fluorobiphenyl
Concen: 91.28 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF099315.D
Acq: 10 Oct 2017 22:19

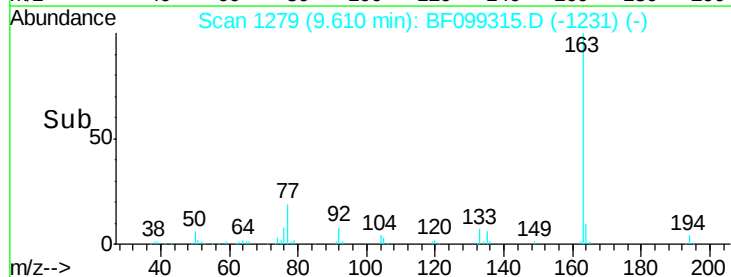
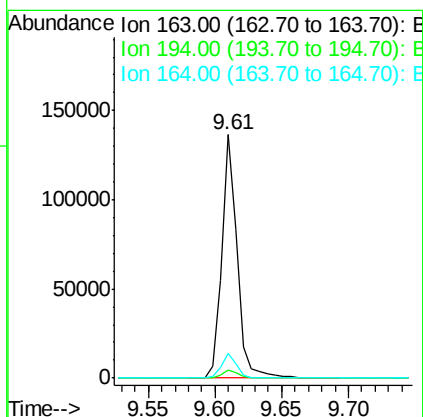
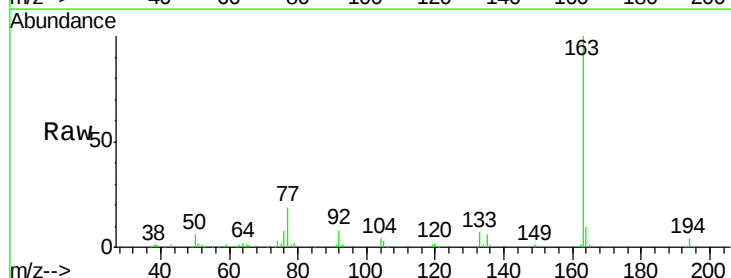
Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 773266
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 23.3 19.6 29.4



#49
Dimethylphthalate
Concen: 10.48 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF099315.D
Acq: 10 Oct 2017 22:19

Tgt Ion:163 Resp: 111815
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.2 8.2 12.2

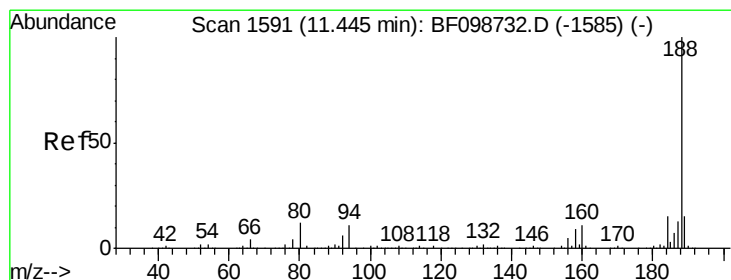
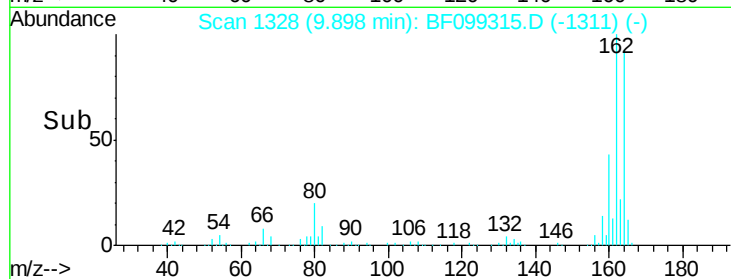
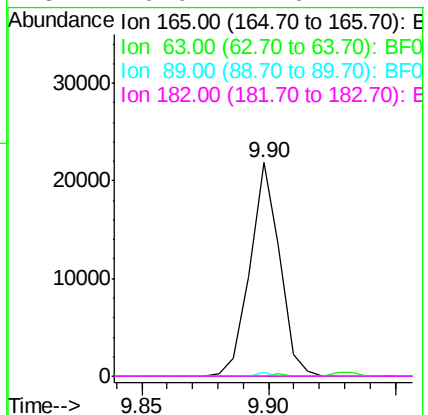
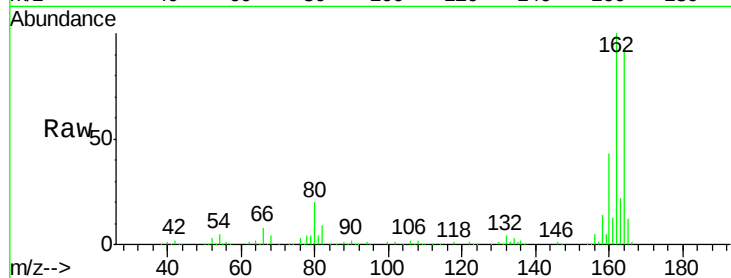




#56
 2,4-Dinitrotoluene
 Concen: 5.92 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099315.D
 Acq: 10 Oct 2017 22:19

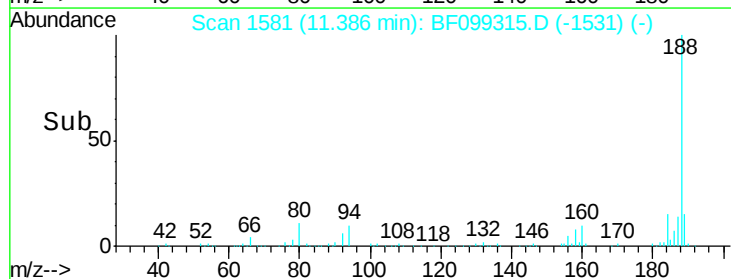
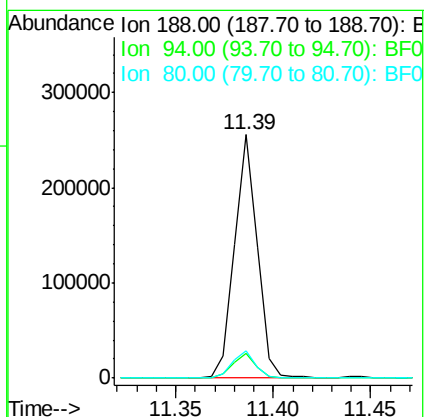
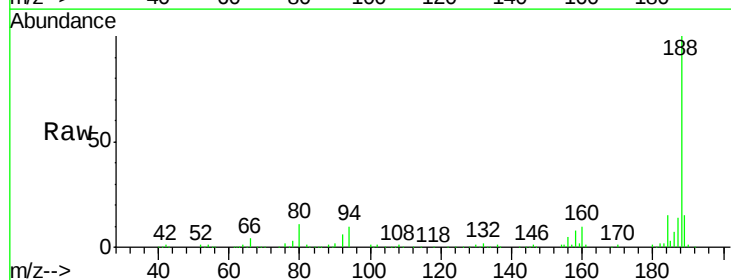
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	17858
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	1.6	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099315.D
 Acq: 10 Oct 2017 22:19

Tgt Ion:188	Resp:	207671
Ion Ratio	Lower	Upper
188	100	
94	10.3	8.5 12.7
80	11.3	9.2 13.8

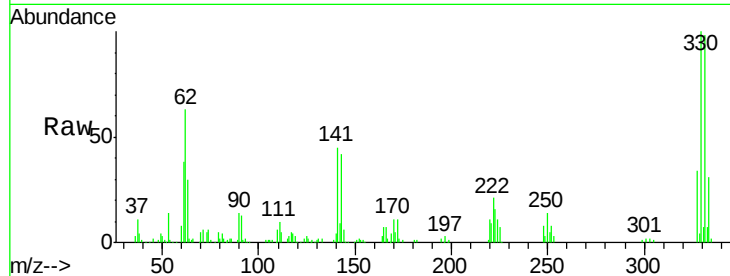




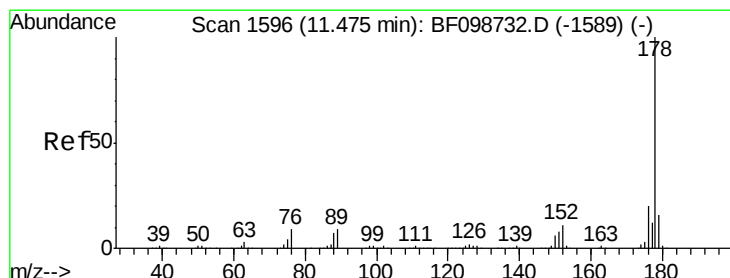
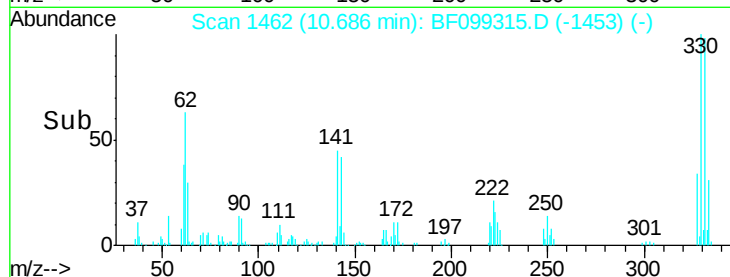
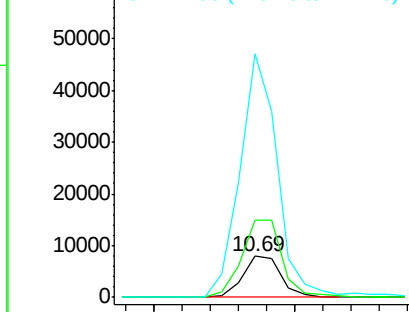
#66
4-Bromophenyl-phenylether
Concen: 3.67 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.25 min
Lab File: BF099315.D
Acq: 10 Oct 2017 22:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 7469
Ion Ratio Lower Upper
248 100
250 186.9 76.9 115.3#
141 593.3 74.4 111.6#

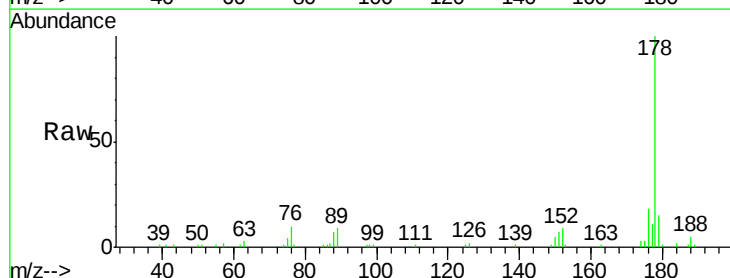


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

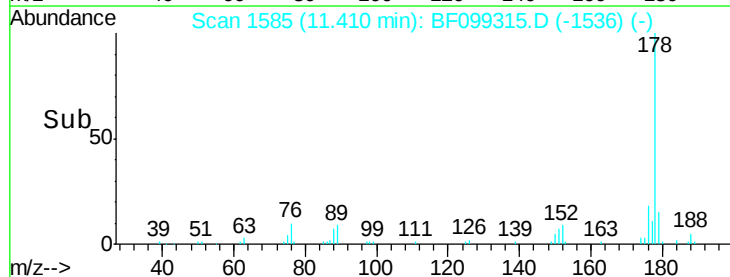
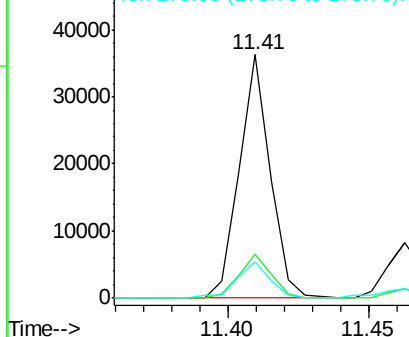


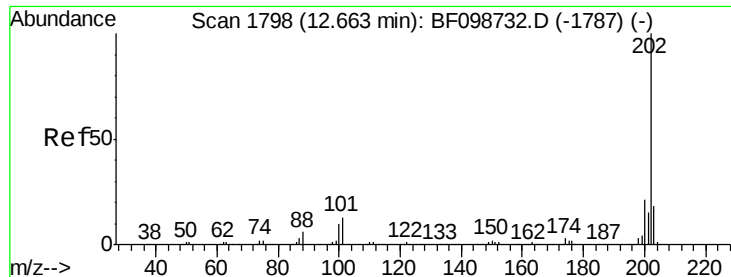
#70
Phenanthrene
Concen: 2.48 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099315.D
Acq: 10 Oct 2017 22:19

Tgt Ion:178 Resp: 27554
Ion Ratio Lower Upper
178 100
176 18.0 15.8 23.8
179 14.7 13.0 19.6



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: 3.70 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF099315.D

Acq: 10 Oct 2017 22:19

Instrument :

BNA_F

ClientSampleId :

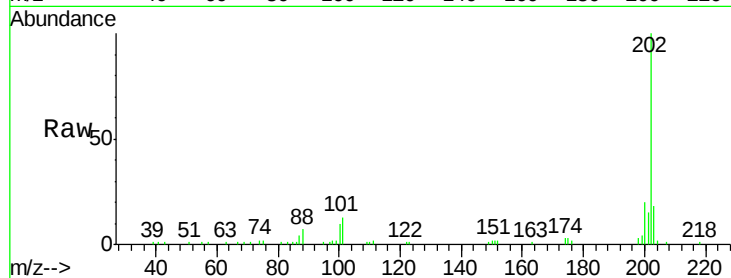
Tot Ion:202 Resp: 41696

Ion Ratio Lower Upper

202 100

101 13.1 0.0 34.1

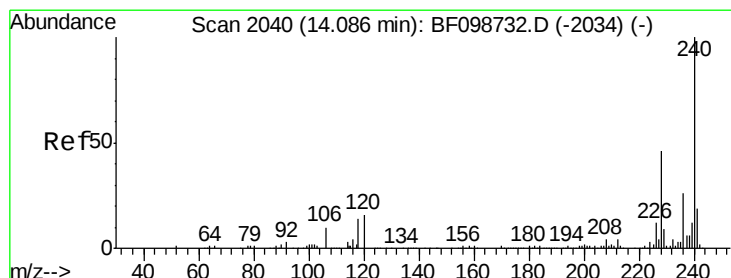
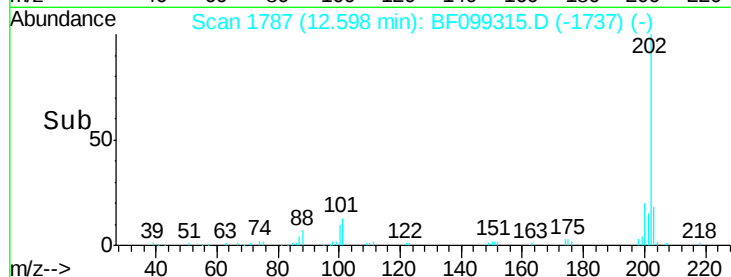
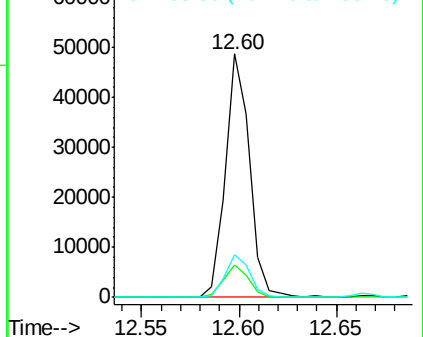
203 17.7 0.0 38.1



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: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099315.D

Acq: 10 Oct 2017 22:19

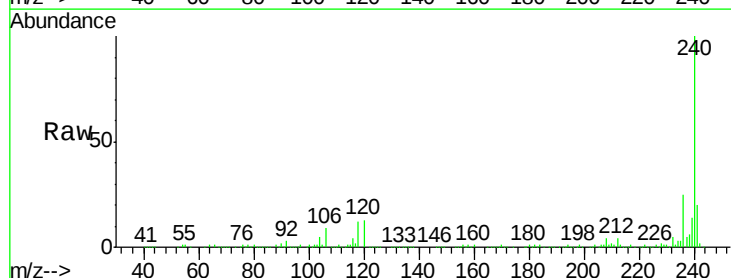
Tgt Ion:240 Resp: 198613

Ion Ratio Lower Upper

240 100

120 13.1 9.5 14.3

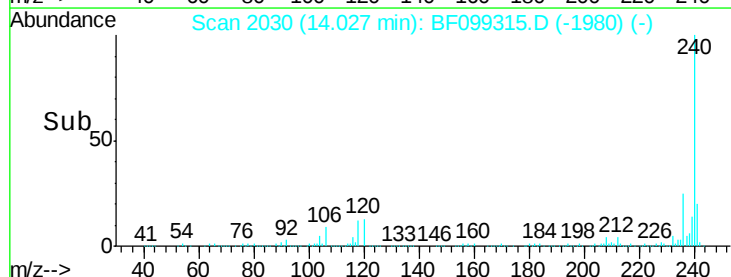
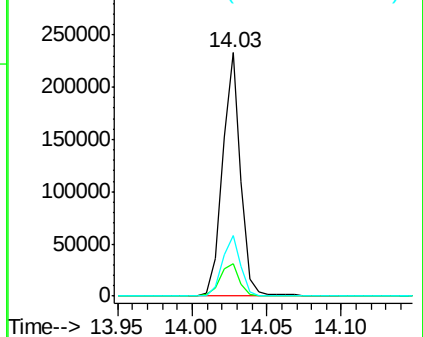
236 25.0 20.7 31.1

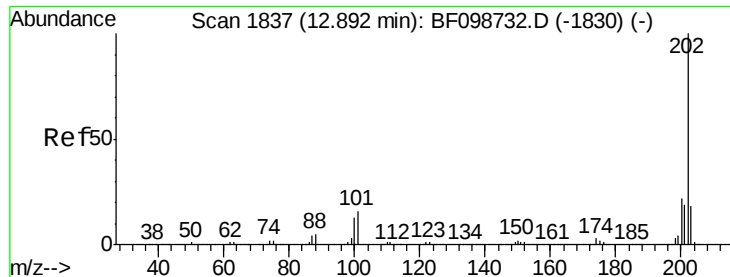


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

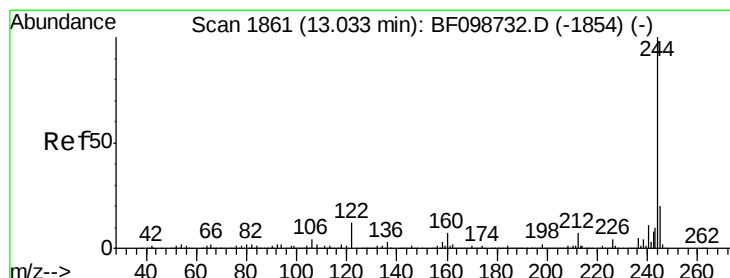
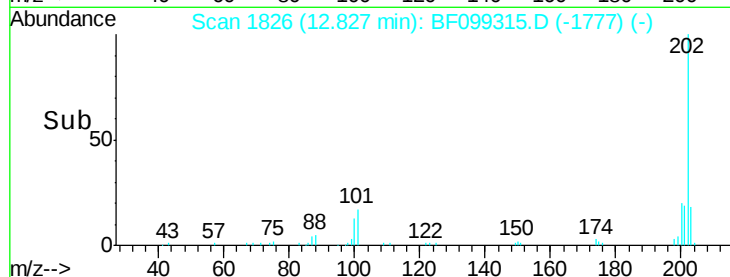
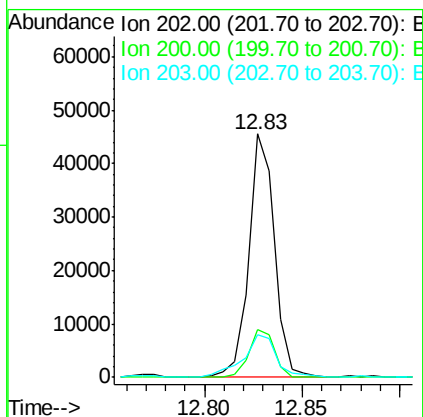
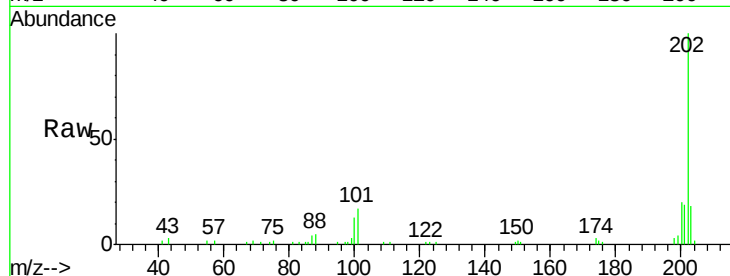




#77
Pvrene
Concen: 2.74 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF099315.D
Acq: 10 Oct 2017 22:19

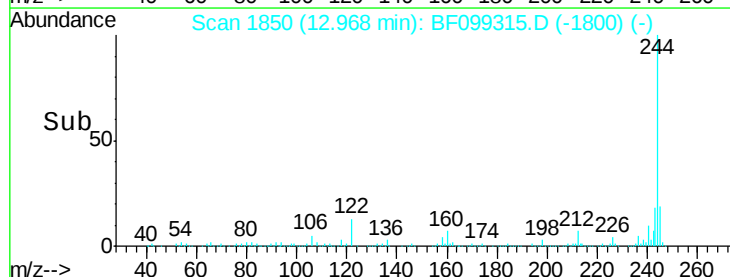
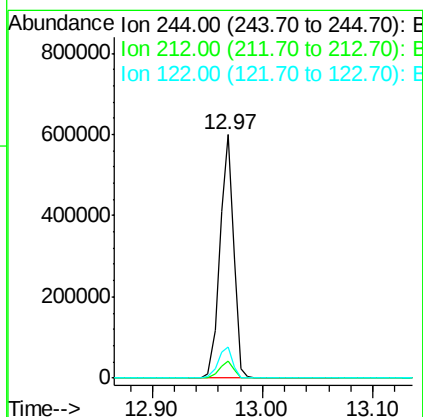
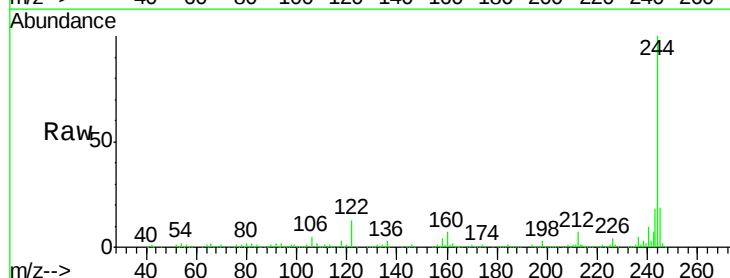
Instrument :
BNA_F
ClientSampleId :

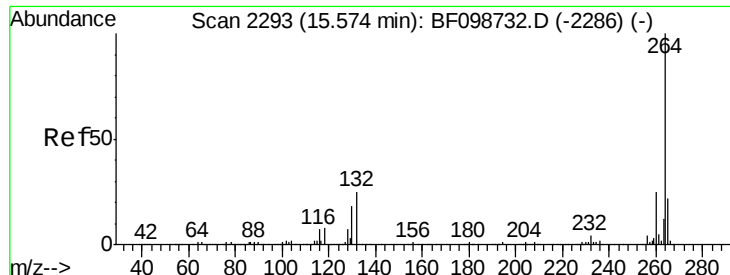
Tot Ion:202 Resp: 41530
Ion Ratio Lower Upper
202 100
200 19.8 17.4 26.2
203 17.5 14.3 21.5



#78
Terphenyl-d14
Concen: 59.50 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BF099315.D
Acq: 10 Oct 2017 22:19

Tgt Ion:244 Resp: 519653
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 13.0 11.0 16.4

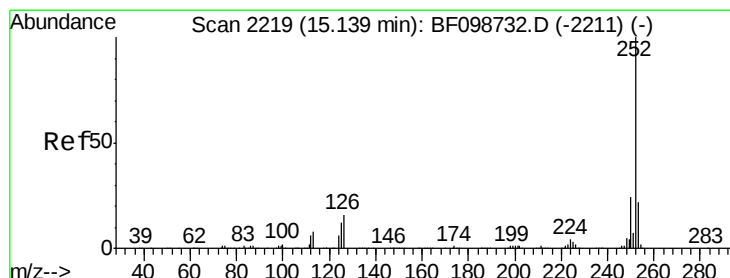
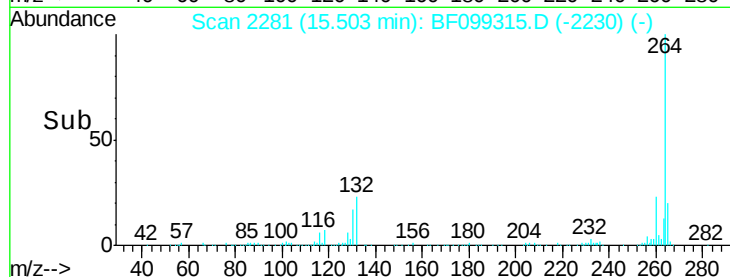
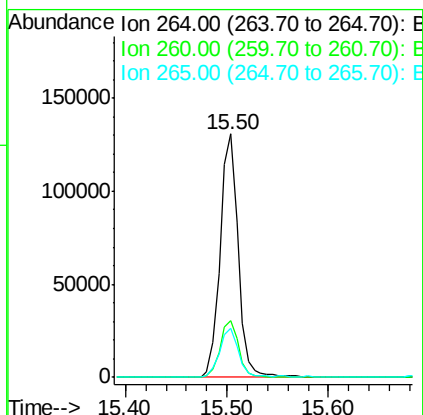
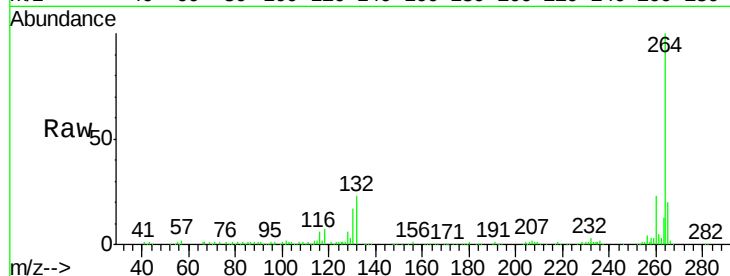




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF099315.D
Acq: 10 Oct 2017 22:19

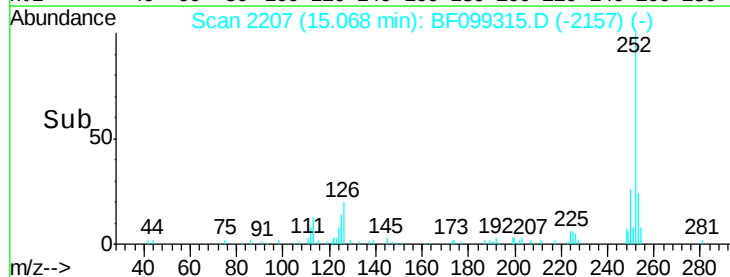
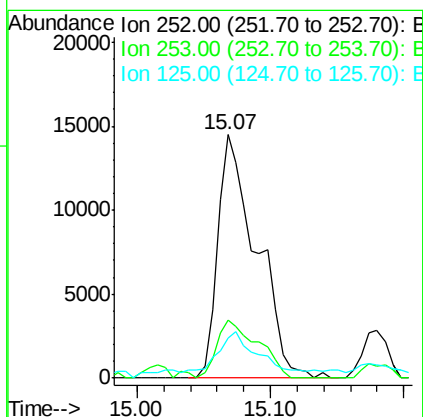
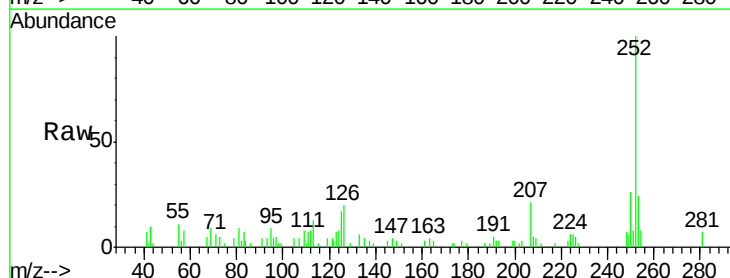
Instrument :
BNA_F
ClientSampleId :

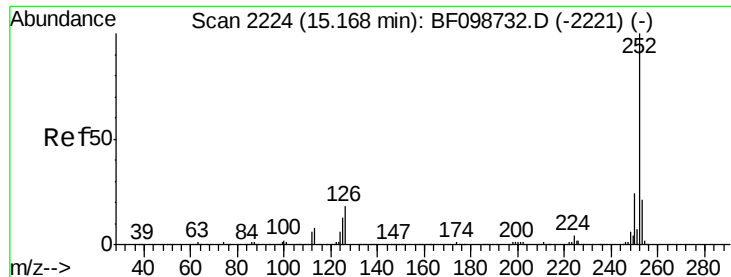
Tot Ion:264 Resp: 162044
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 20.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.94 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF099315.D
Acq: 10 Oct 2017 22:19

Tgt Ion:252 Resp: 29248
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 16.7 9.0 13.6#

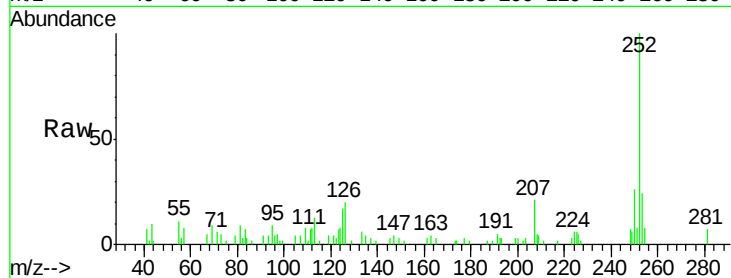




#88
 Benzo(k)fluoranthene
 Concen: 2.97 ng
 RT: 15.07 min Scan# 2207
 Delta R.T. -0.04 min
 Lab File: BF099315.D
 Acq: 10 Oct 2017 22:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	16.7	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

