

Data Path : Z:\HPCHEM1\BNA F\Data\BF051817\
 Data File : BF095263.D
 Acq On : 19 May 2017 13:42
 Operator : SJ/MA
 Sample : I3186-09
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 19 15:12:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

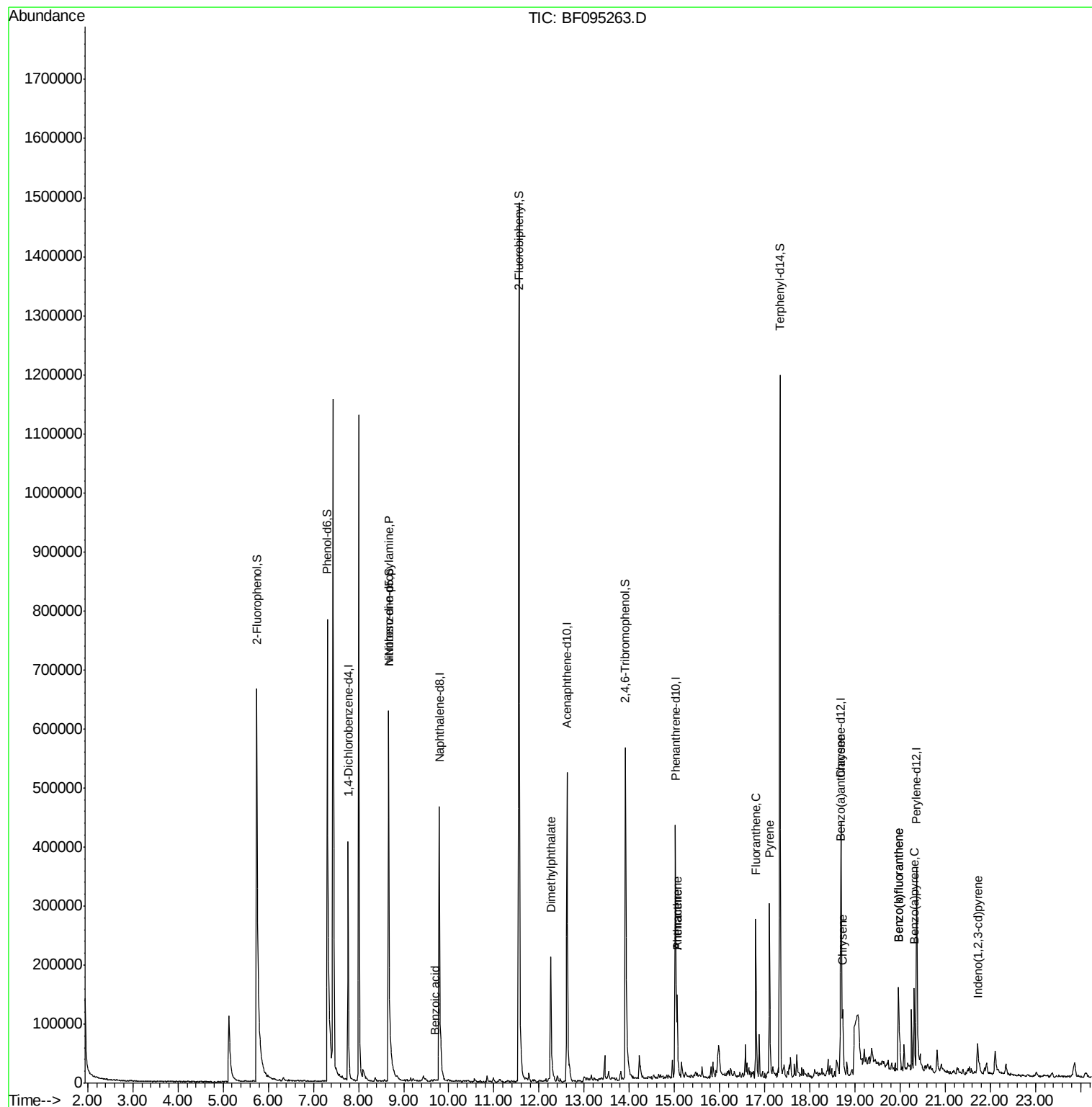
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	94676	20.00	ng	0.00
21) Naphthalene-d8	9.79	136	420142	20.00	ng	0.00
38) Acenaphthene-d10	12.62	164	181273	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	279151	20.00	ng	0.00
75) Chrysene-d12	18.69	240	183529	20.00	ng	0.00
86) Perylene-d12	20.36	264	184397	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.74	112	555371	97.80	ng	0.00
7) Phenol-d6	7.31	99	648066	95.11	ng	0.00
23) Nitrobenzene-d5	8.67	82	399028	59.89	ng	0.00
41) 2,4,6-Tribromophenol	13.92	330	128979	86.88	ng	0.00
44) 2-Fluorobiphenyl	11.55	172	775701	61.59	ng	0.00
78) Terphenyl-d14	17.34	244	471658	56.60	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.67	70	47385	10.28	ng	# 75
32) Benzoic acid	9.69	122	2268	5.59	ng	# 1
49) Dimethylphthalate	12.26	163	180202	12.11	ng	98
70) Phenanthrene	15.06	178	82503	5.14	ng	97
71) Anthracene	15.06	178	82503	5.04	ng	98
74) Fluoranthene	16.80	202	159437	9.69	ng	99
77) Pyrene	17.11	202	149041	10.86	ng	96
80) Benzo(a)anthracene	18.68	228	59734	5.59	ng	98
82) Chrysene	18.73	228	63586	6.16	ng	98
85) Indeno(1,2,3-cd)pyrene	21.71	276	37495	4.47	ng	96
87) Benzo(b)fluoranthene	19.97	252	110122	9.66	ng	97
88) Benzo(k)fluoranthene	19.97	252	110122	10.02	ng	98
89) Benzo(a)pyrene	20.31	252	64082	6.09	ng	96

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

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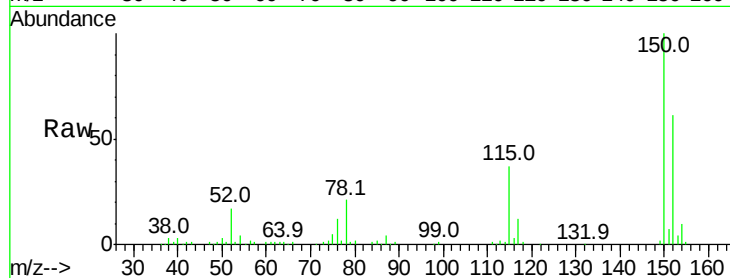


#1

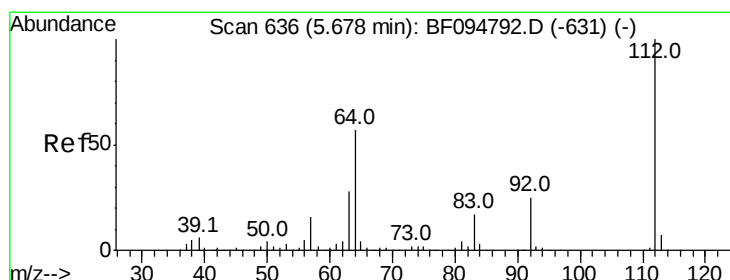
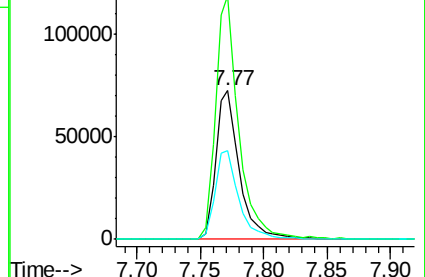
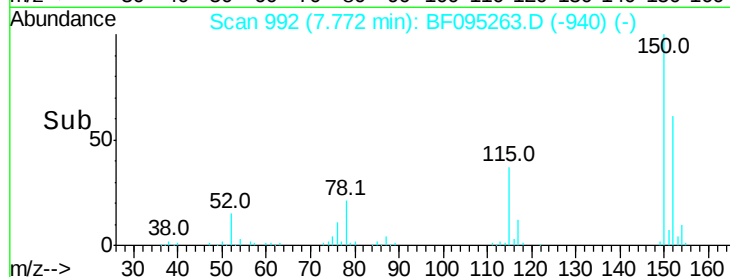
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 992
Delta R.T. 0.01 min
Lab File: BF095263.D
Acq: 19 May 2017 13:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 94676
Ion Ratio Lower Upper
152 100
150 163.9 126.2 189.2
115 59.9 52.2 78.2



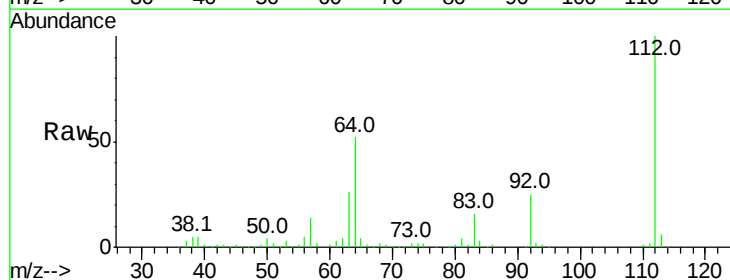
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



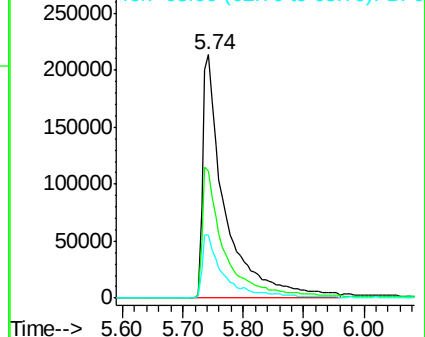
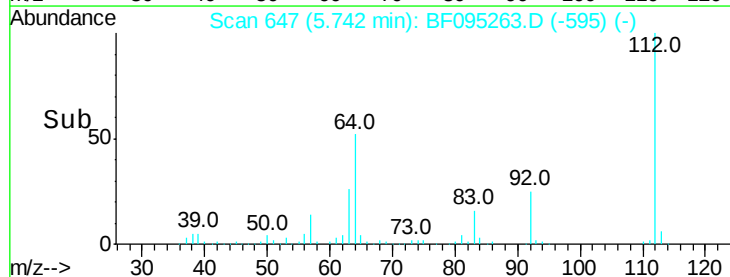
#5

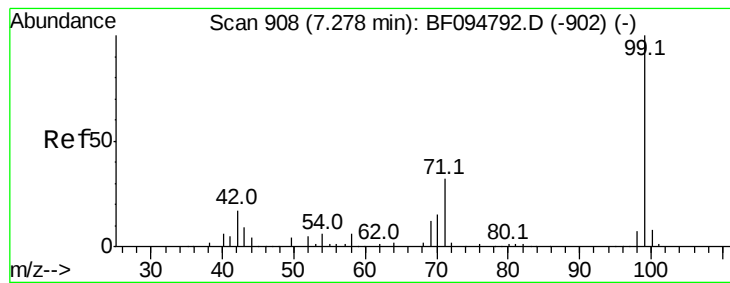
2-Fluorophenol
Concen: 97.80 ng
RT: 5.74 min Scan# 647
Delta R.T. 0.01 min
Lab File: BF095263.D
Acq: 19 May 2017 13:42

Tgt Ion:112 Resp: 555371
Ion Ratio Lower Upper
112 100
64 52.2 46.0 69.0
63 26.1 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: 95.11 ng

RT: 7.31 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF095263.D

Acq: 19 May 2017 13:42

Instrument :

BNA_F

ClientSampleId :

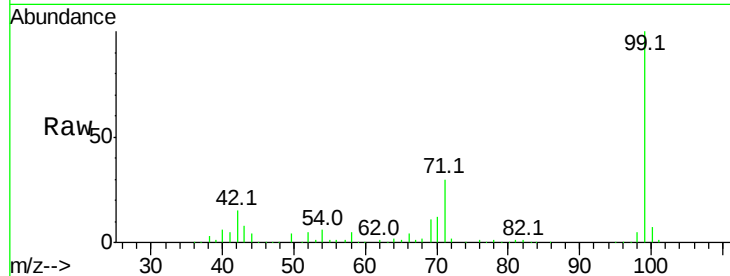
Tot Ion: 99 Resp: 648066

Ion Ratio Lower Upper

99 100

42 15.0 13.5 20.3

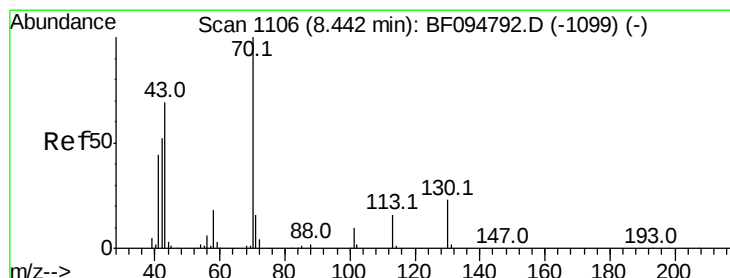
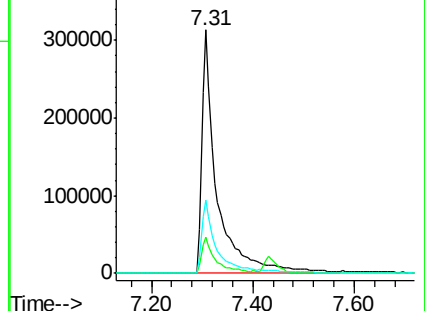
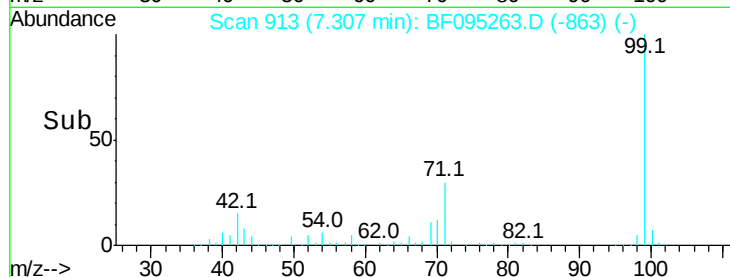
71 30.1 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.28 ng

RT: 8.67 min Scan# 1144

Delta R.T. 0.19 min

Lab File: BF095263.D

Acq: 19 May 2017 13:42

Tgt Ion: 70 Resp: 47385

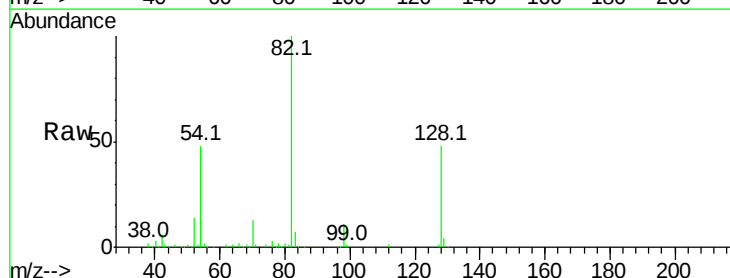
Ion Ratio Lower Upper

70 100

42 44.2 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

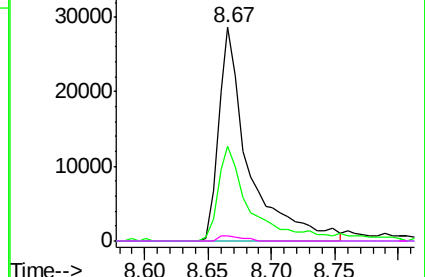
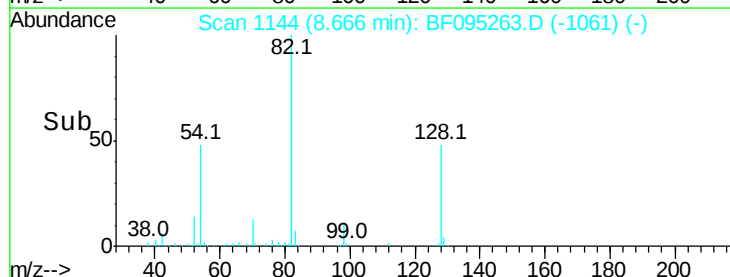


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.79 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF095263.D

Acq: 19 May 2017 13:42

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 420142

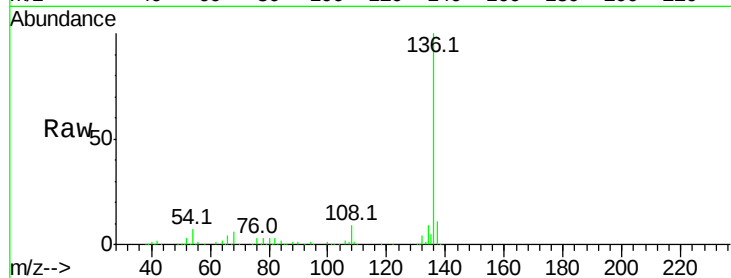
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.6 4.9 7.3

68 5.5 4.1 6.1

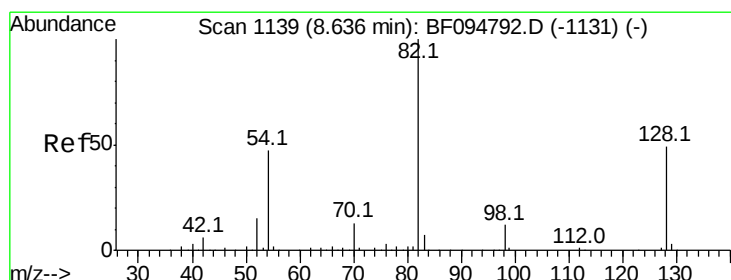
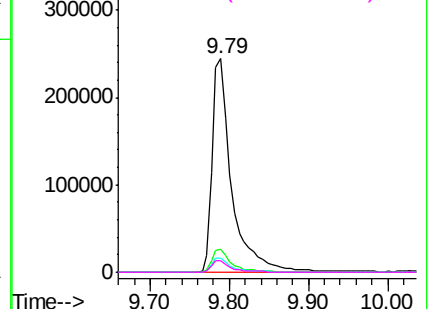
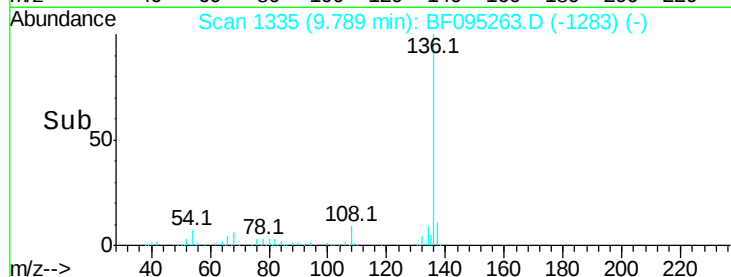


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.89 ng

RT: 8.67 min Scan# 1144

Delta R.T. -0.01 min

Lab File: BF095263.D

Acq: 19 May 2017 13:42

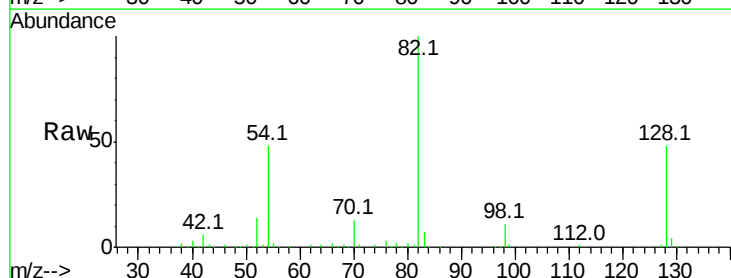
Tgt Ion: 82 Resp: 399028

Ion Ratio Lower Upper

82 100

128 47.7 34.0 51.0

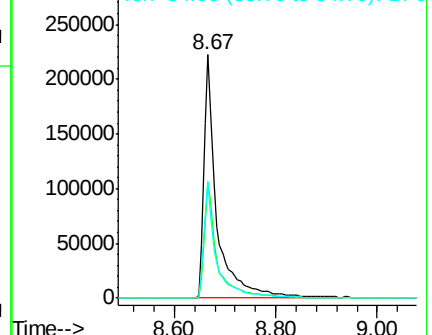
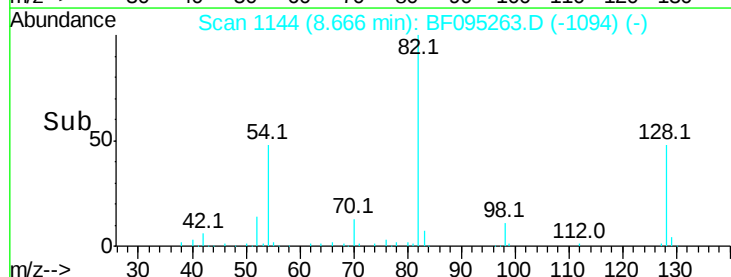
54 48.0 42.2 63.2

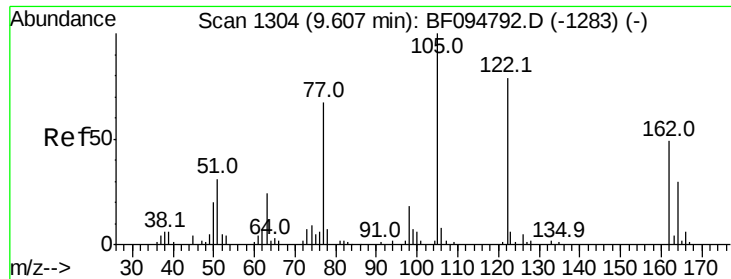


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

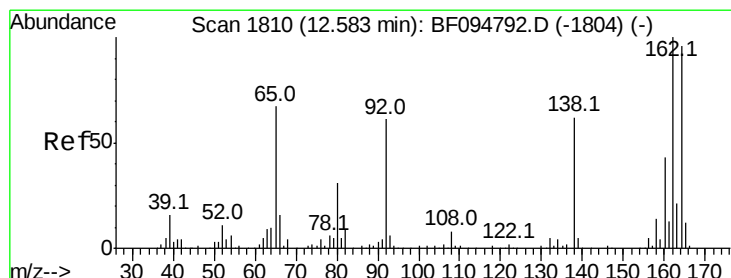
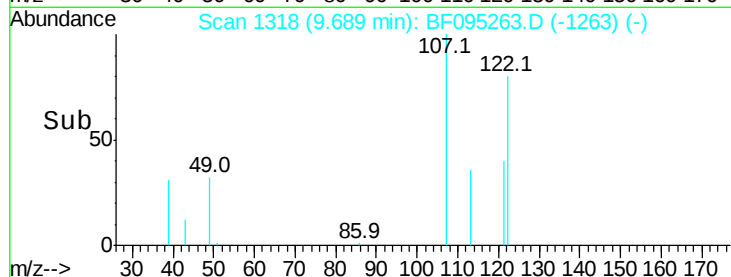
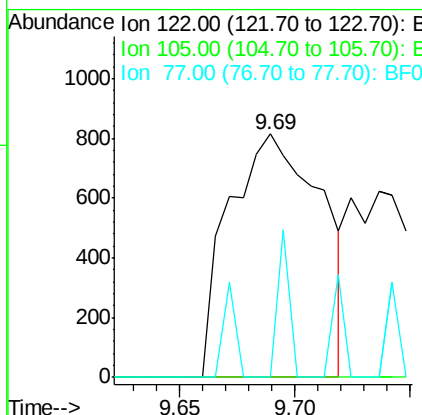
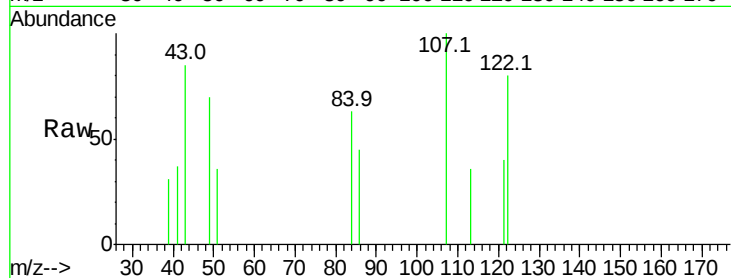




#32
Benzoic acid
Concen: 5.59 ng
RT: 9.69 min Scan# 1318
Delta R.T. 0.02 min
Lab File: BF095263.D
Acq: 19 May 2017 13:42

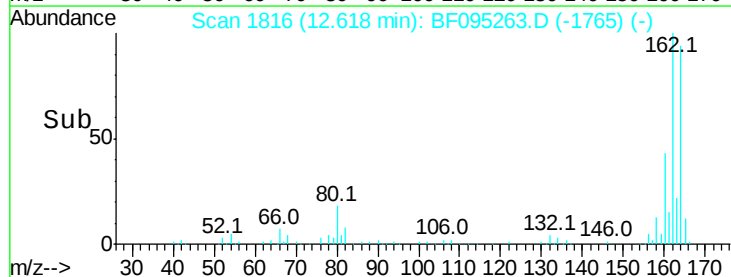
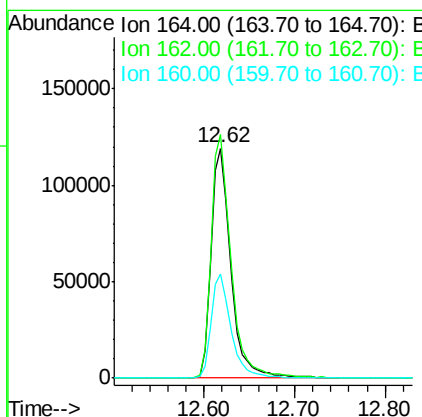
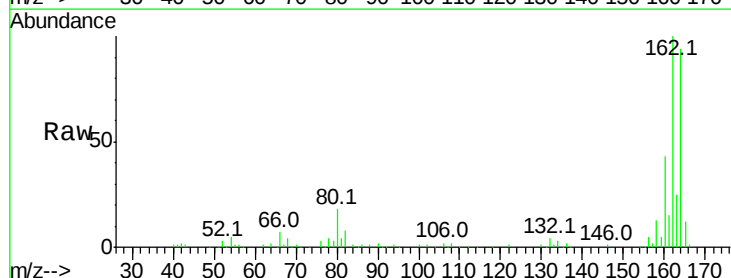
Instrument :
BNA_F
ClientSampled :

Tot Ion:122 Resp: 2268
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 0.0 73.7 113.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.62 min Scan# 1816
Delta R.T. 0.00 min
Lab File: BF095263.D
Acq: 19 May 2017 13:42

Tgt Ion:164 Resp: 181273
Ion Ratio Lower Upper
164 100
162 105.8 82.6 123.8
160 45.4 36.2 54.2

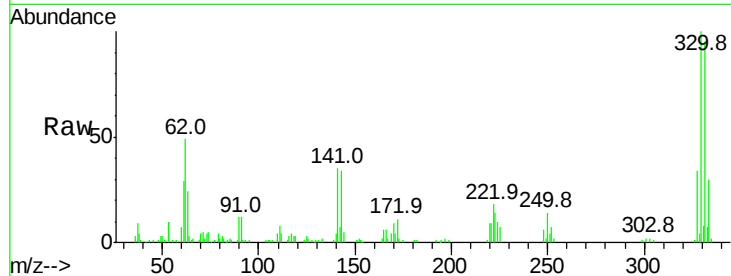




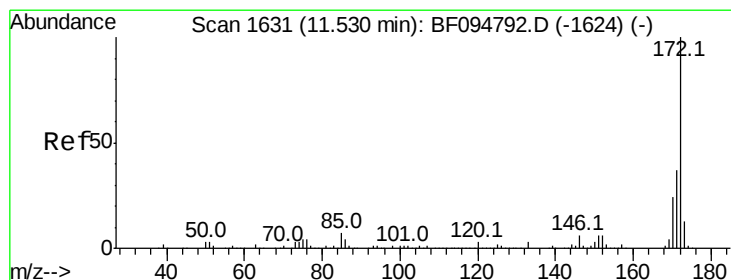
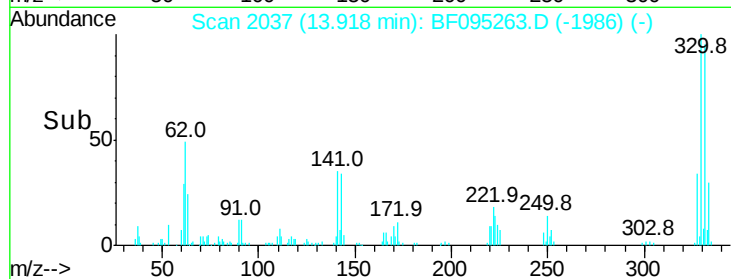
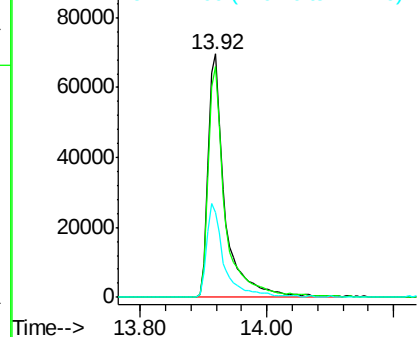
#41
 2,4,6-Tribromophenol
 Concen: 86.88 ng
 RT: 13.92 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: BF095263.D
 Acq: 19 May 2017 13:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.6	115.0
141	38.9	31.4	47.2

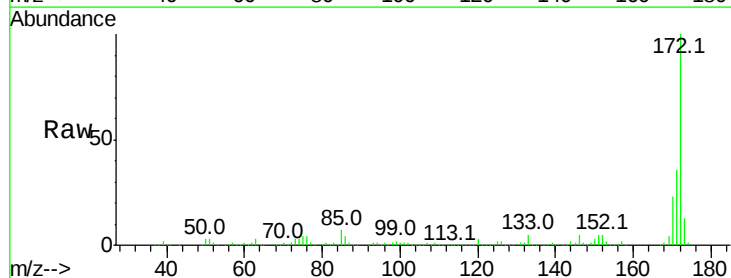


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

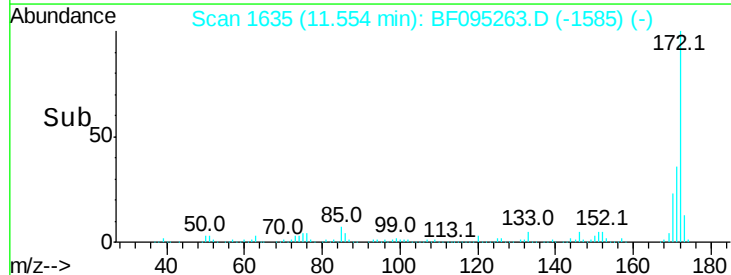
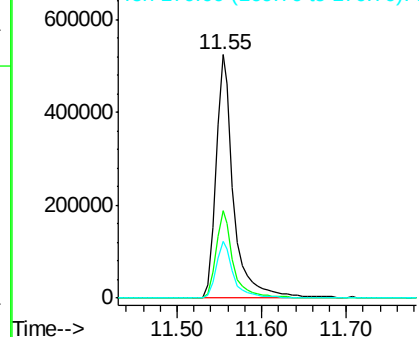


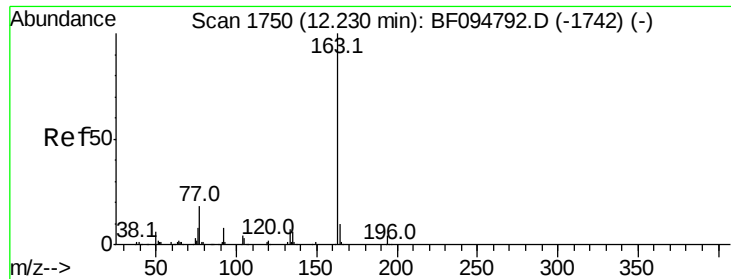
#44
 2-Fluorobiphenyl
 Concen: 61.59 ng
 RT: 11.55 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF095263.D
 Acq: 19 May 2017 13:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.5	19.8	29.8



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: 12.11 ng

RT: 12.26 min Scan# 1755

Delta R.T. 0.00 min

Lab File: BF095263.D

Acq: 19 May 2017 13:42

Instrument :

BNA_F

ClientSampled :

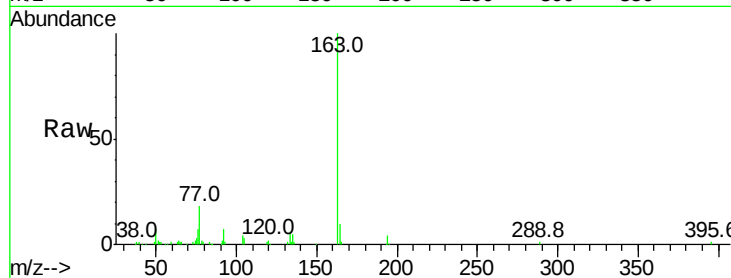
Tot Ion:163 Resp: 180202

Ion Ratio Lower Upper

163 100

194 3.9 2.6 4.0

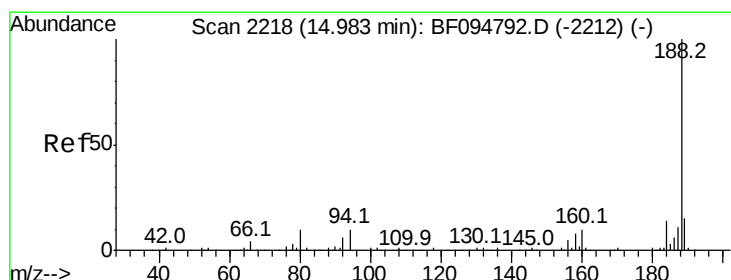
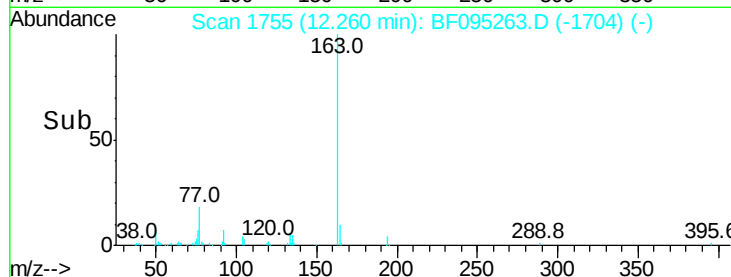
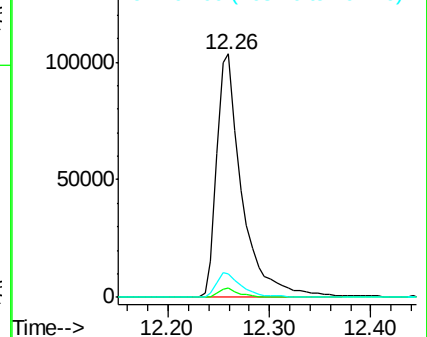
164 9.9 8.4 12.6



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.02 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BF095263.D

Acq: 19 May 2017 13:42

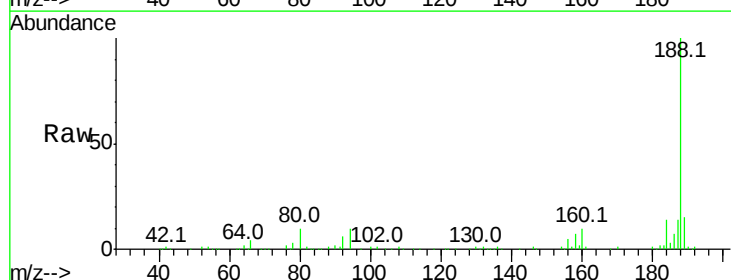
Tgt Ion:188 Resp: 279151

Ion Ratio Lower Upper

188 100

94 9.6 9.4 14.2

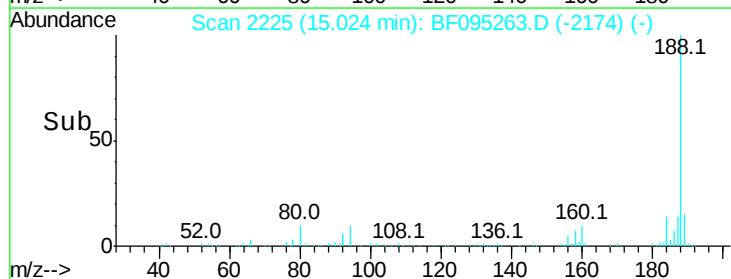
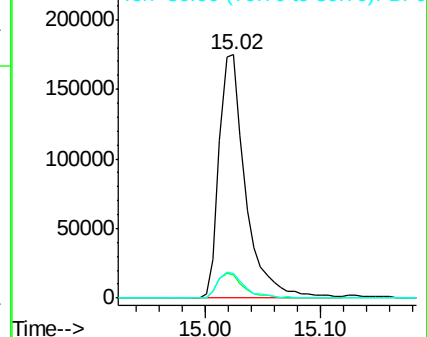
80 10.4 10.2 15.2

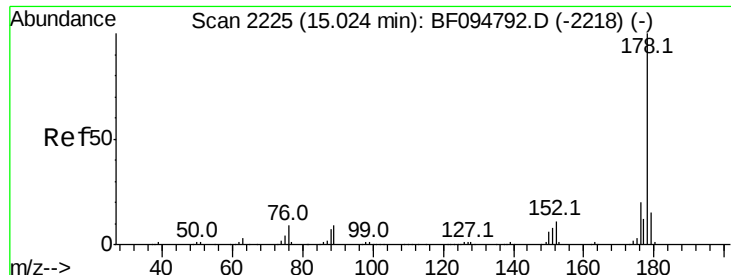


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

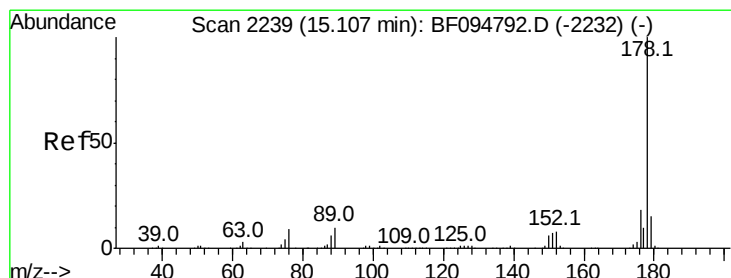
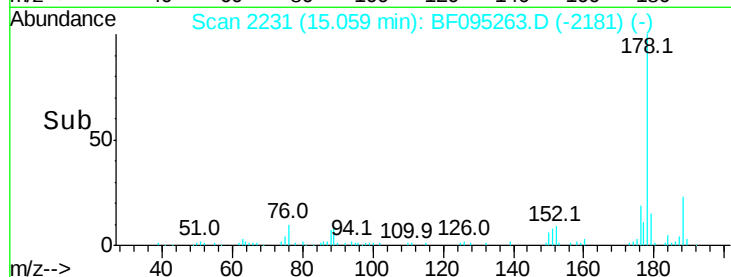
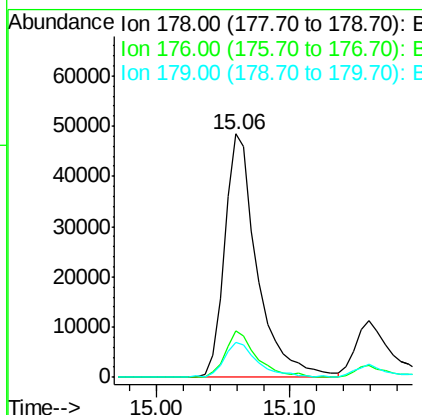
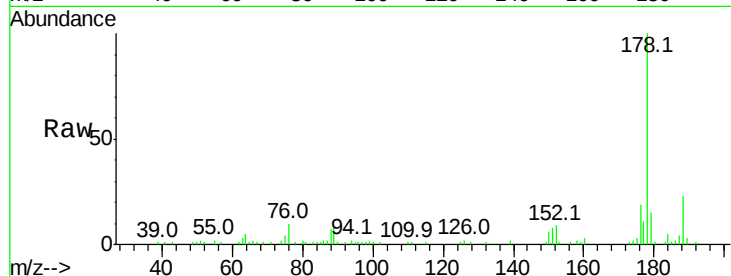




#70
 Phenanthrene
 Concen: 5.14 ng
 RT: 15.06 min Scan# 2231
 Delta R.T. -0.01 min
 Lab File: BF095263.D
 Acq: 19 May 2017 13:42

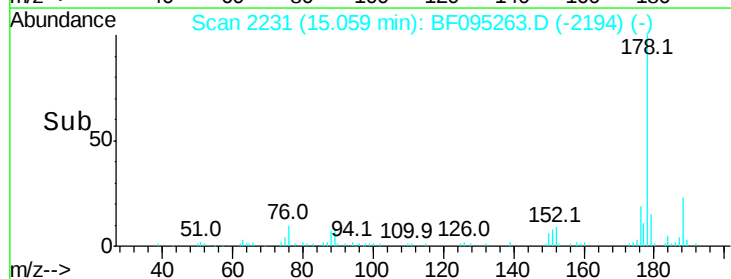
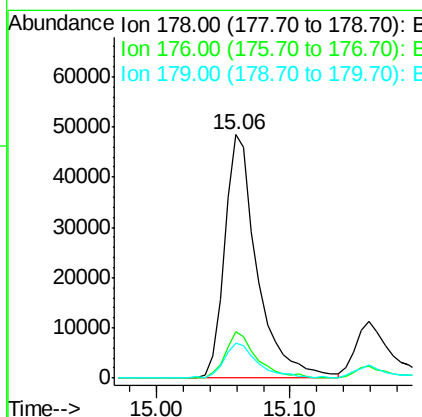
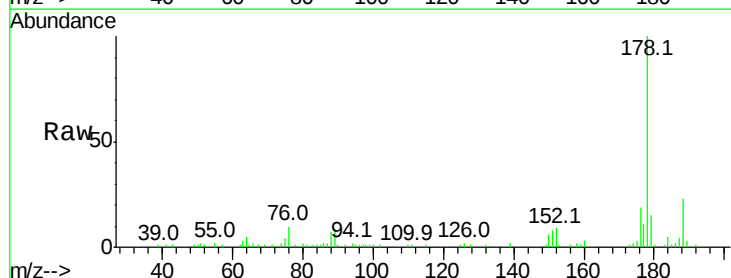
Instrument :
 BNA_F
 ClientSampleId :

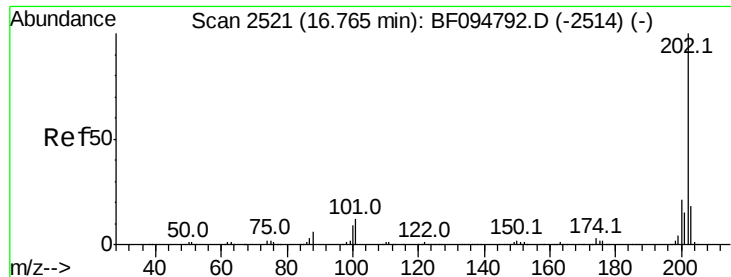
Tot Ion:178 Resp: 82503
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.2 24.4
 179 14.6 12.6 19.0



#71
 Anthracene
 Concen: 5.04 ng
 RT: 15.06 min Scan# 2231
 Delta R.T. -0.08 min
 Lab File: BF095263.D
 Acq: 19 May 2017 13:42

Tgt Ion:178 Resp: 82503
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 14.6 12.7 19.1

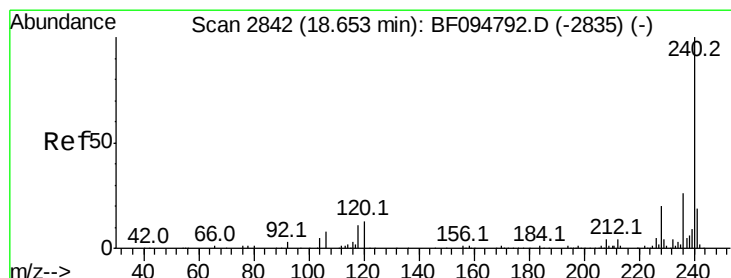
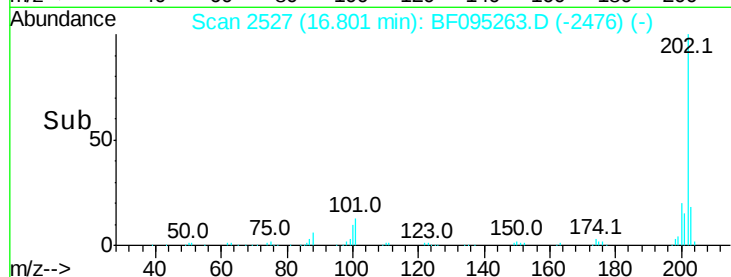
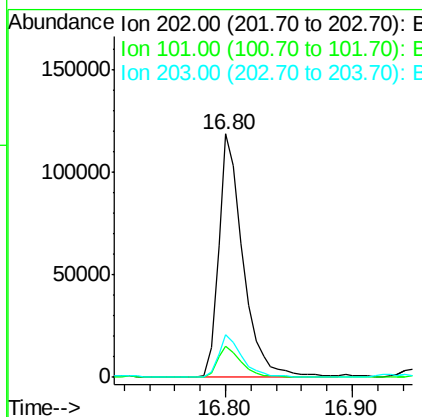
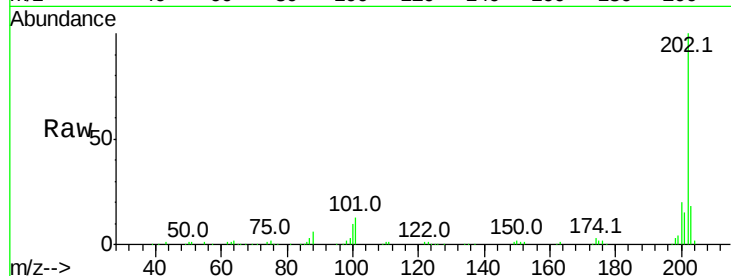




#74
 Fluoranthene
 Concen: 9.69 ng
 RT: 16.80 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: BF095263.D
 Acq: 19 May 2017 13:42

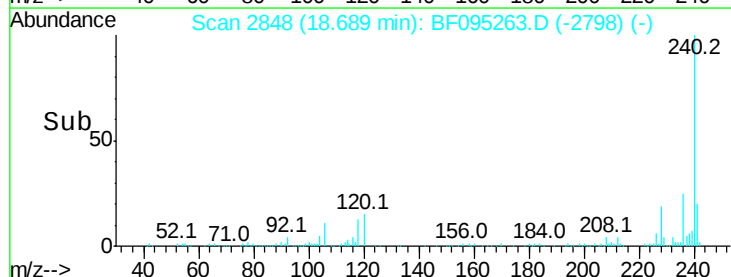
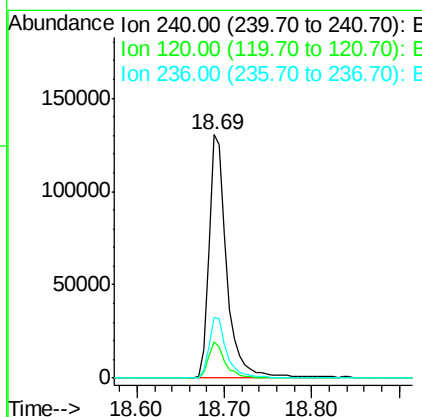
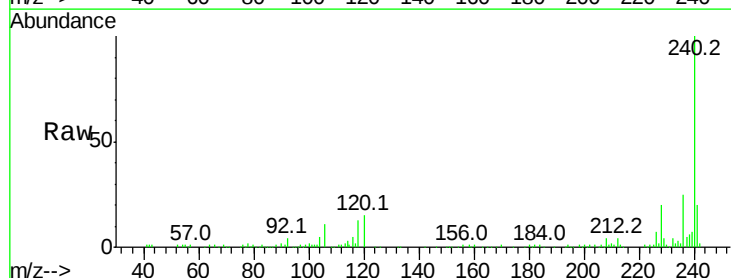
Instrument :
 BNA_F
 ClientSampleId :

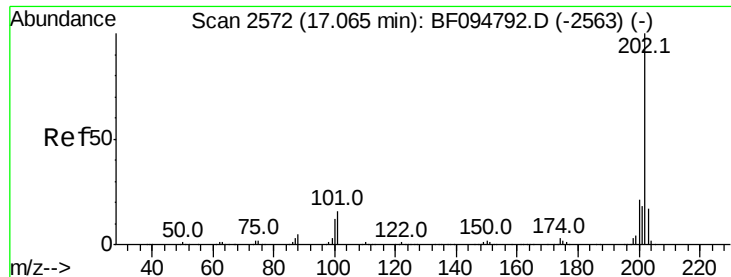
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.7	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.69 min Scan# 2848
 Delta R.T. -0.01 min
 Lab File: BF095263.D
 Acq: 19 May 2017 13:42

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.8	5.8	8.8#
236	25.1	20.5	30.7





#77

Pvrene

Concen: 10.86 ng

RT: 17.11 min Scan# 2579

Delta R.T. 0.00 min

Lab File: BF095263.D

Acq: 19 May 2017 13:42

Instrument :

BNA_F

ClientSampleId :

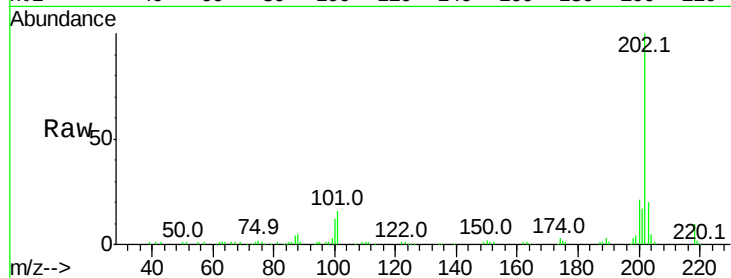
Tot Ion:202 Resp: 149041

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

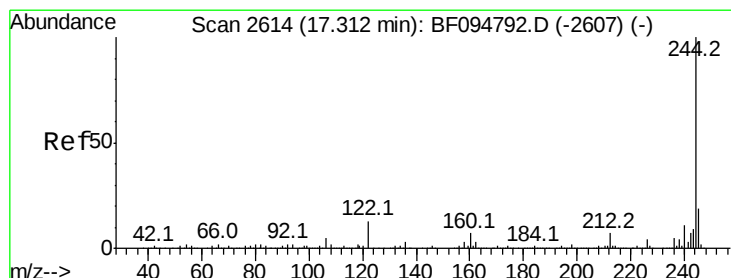
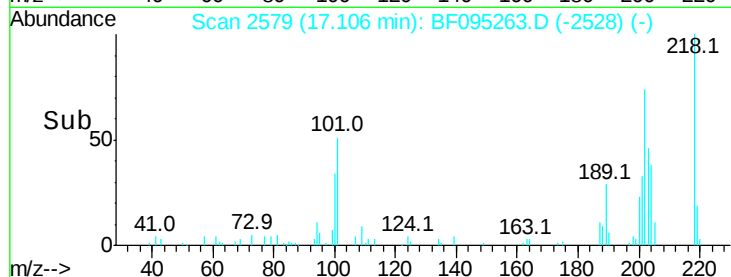
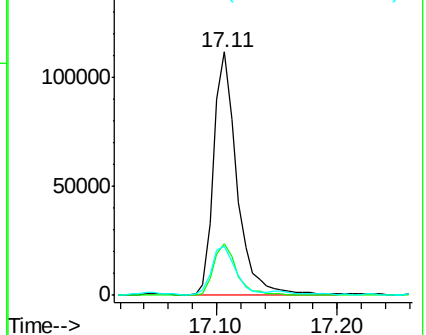
203 20.3 14.4 21.6



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: 56.60 ng

RT: 17.34 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BF095263.D

Acq: 19 May 2017 13:42

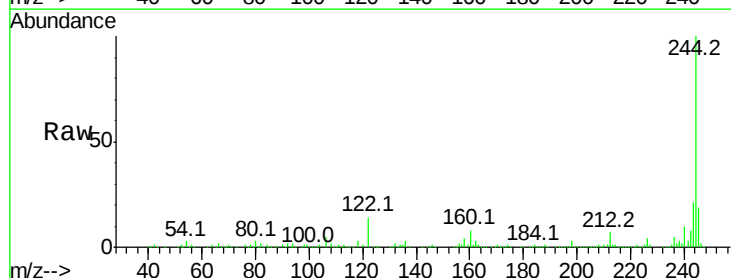
Tgt Ion:244 Resp: 471658

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

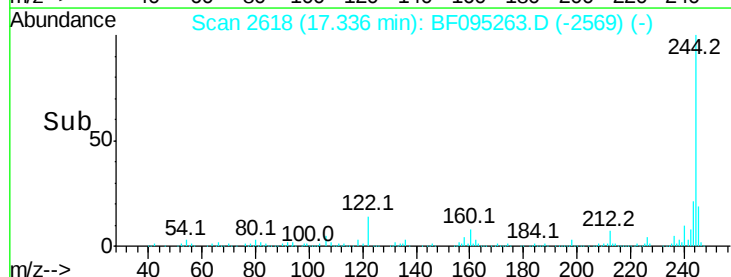
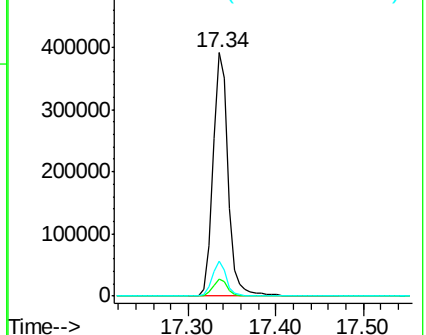
122 14.3 10.3 15.5

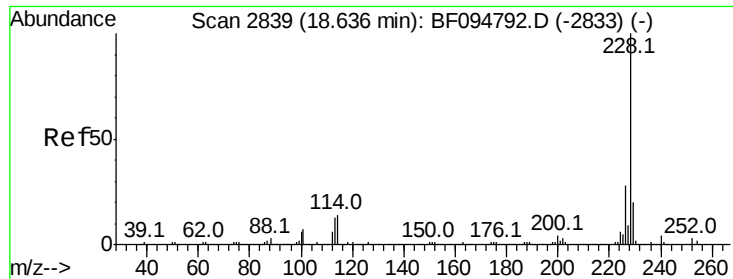


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

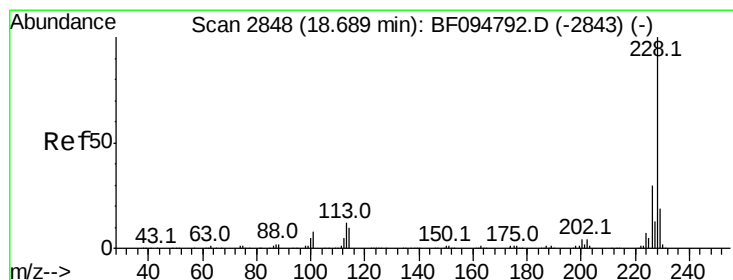
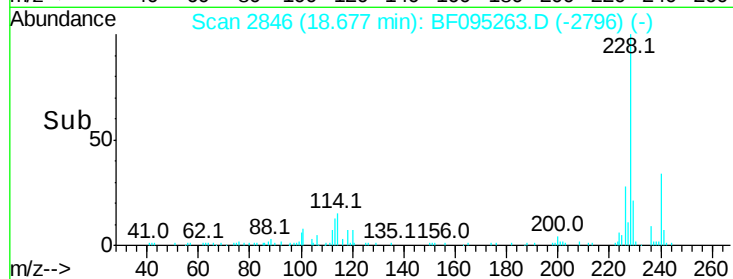
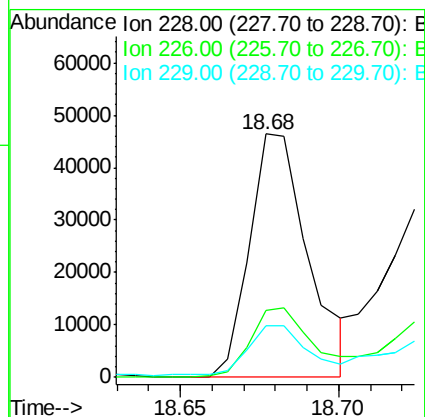
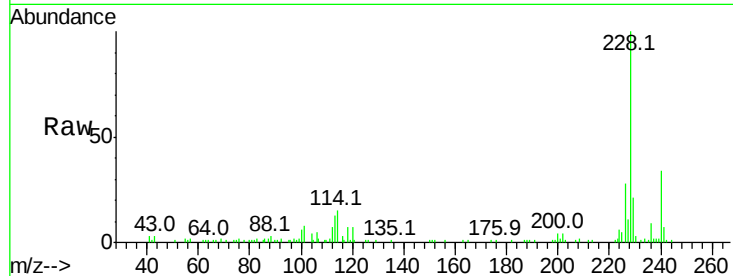




#80
Benzo(a)anthracene
Concen: 5.59 ng
RT: 18.68 min Scan# 2846
Delta R.T. -0.01 min
Lab File: BF095263.D
Acq: 19 May 2017 13:42

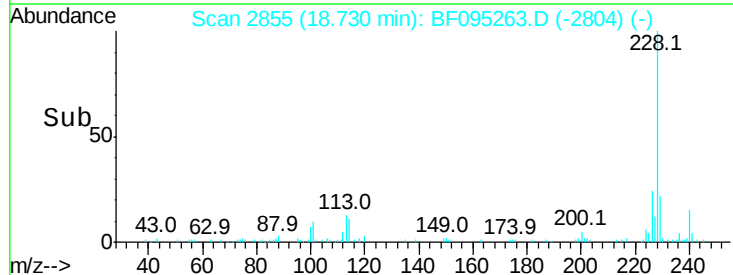
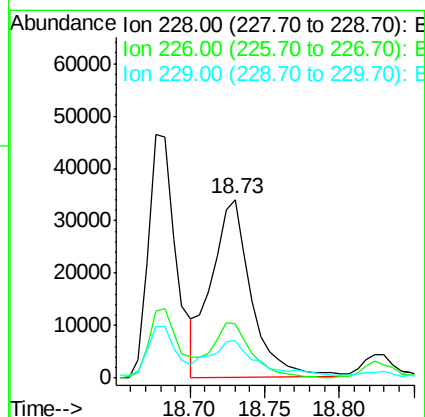
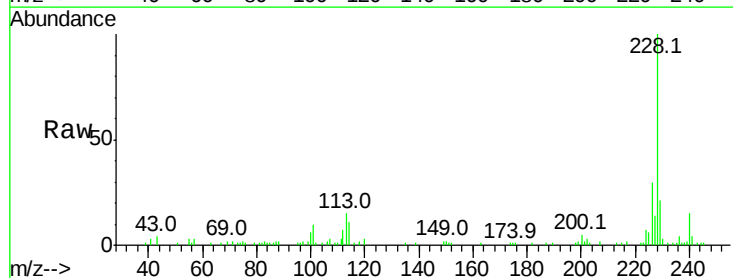
Instrument :
BNA_F
ClientSampleId :

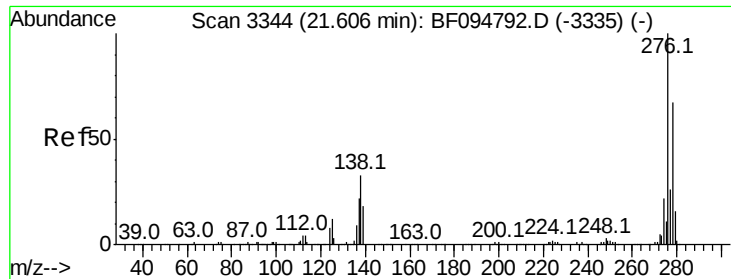
Tot Ion:228 Resp: 59734
Ion Ratio Lower Upper
228 100
226 27.6 22.6 33.8
229 21.4 16.3 24.5



#82
Chrysene
Concen: 6.16 ng
RT: 18.73 min Scan# 2855
Delta R.T. 0.00 min
Lab File: BF095263.D
Acq: 19 May 2017 13:42

Tgt Ion:228 Resp: 63586
Ion Ratio Lower Upper
228 100
226 30.4 24.9 37.3
229 21.2 15.8 23.6

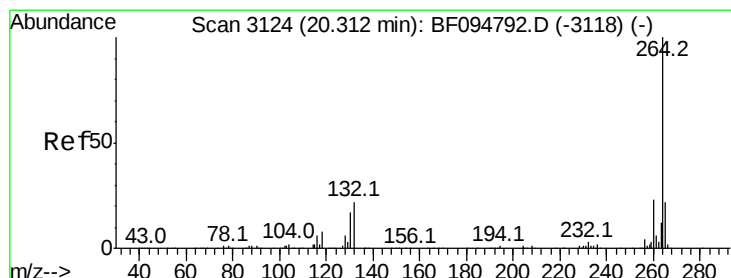
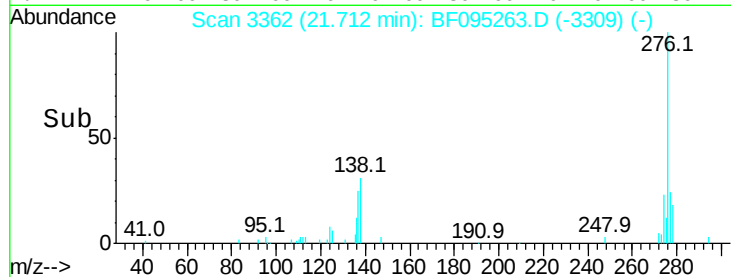
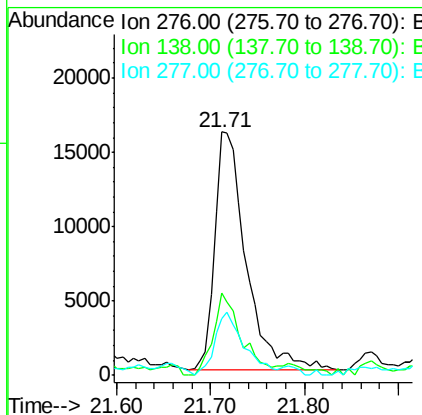
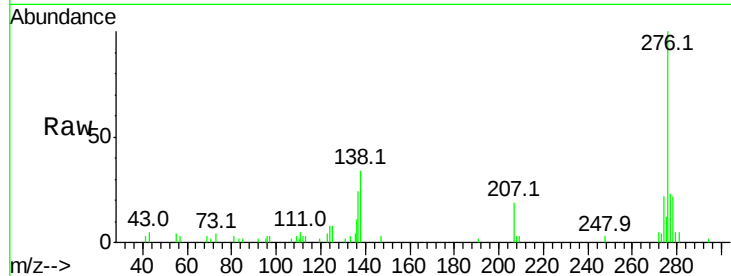




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.47 ng
 RT: 21.71 min Scan# 3362
 Delta R.T. 0.01 min
 Lab File: BF095263.D
 Acq: 19 May 2017 13:42

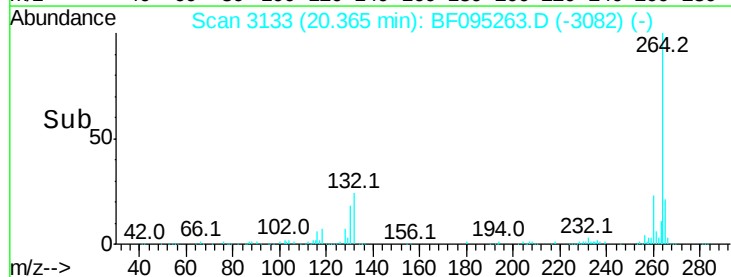
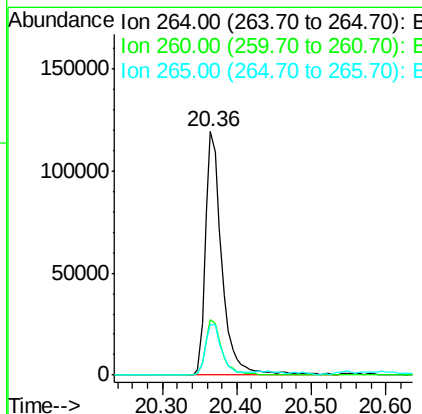
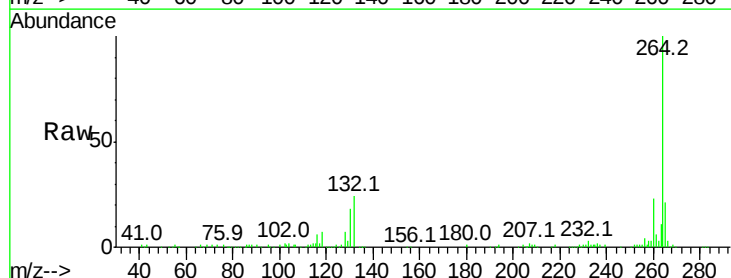
Instrument :
 BNA_F
 ClientSampleId :

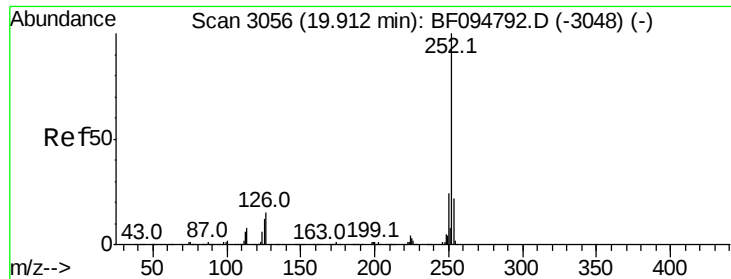
Tot Ion:276 Resp: 37495
 Ion Ratio Lower Upper
 276 100
 138 30.9 27.8 41.6
 277 24.9 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.36 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: BF095263.D
 Acq: 19 May 2017 13:42

Tgt Ion:264 Resp: 184397
 Ion Ratio Lower Upper
 264 100
 260 22.5 19.5 29.3
 265 20.6 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 9.66 ng

RT: 19.97 min Scan# 3065

Delta R.T. 0.01 min

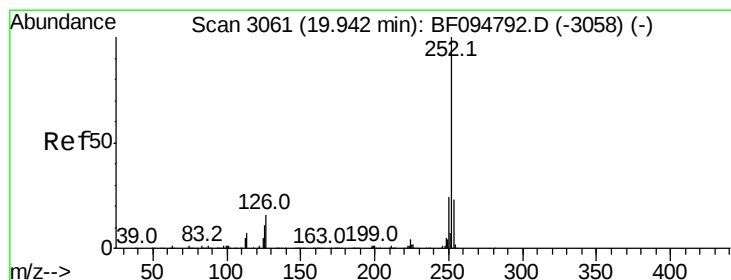
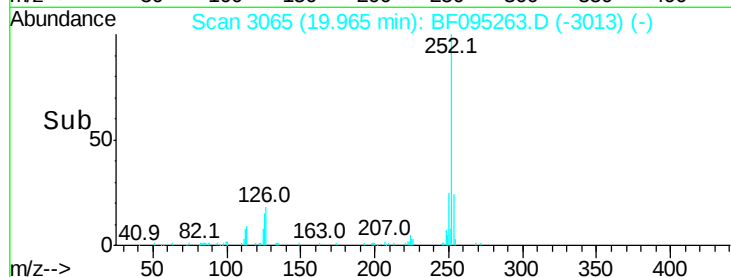
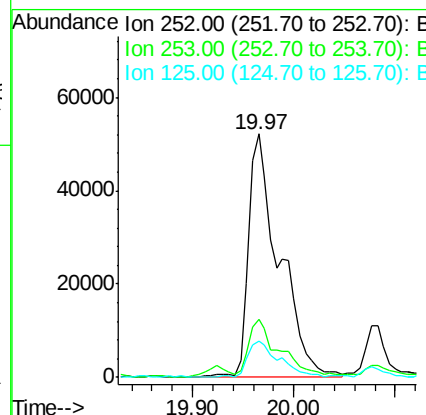
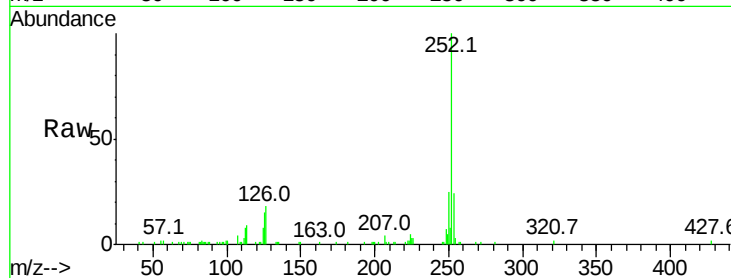
Lab File: BF095263.D

Acq: 19 May 2017 13:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 110122

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	14.7	9.8	14.8



#88

Benzo(k)fluoranthene

Concen: 10.02 ng

RT: 19.97 min Scan# 3065

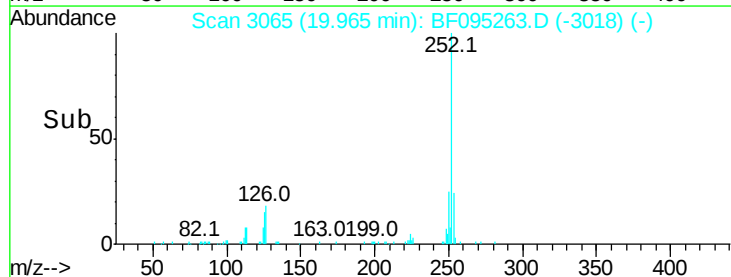
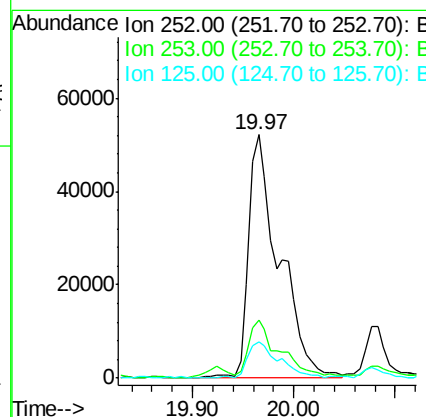
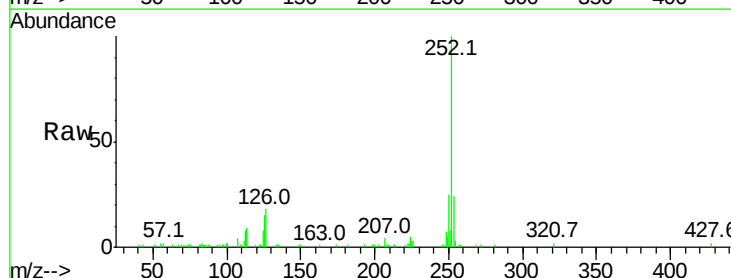
Delta R.T. -0.02 min

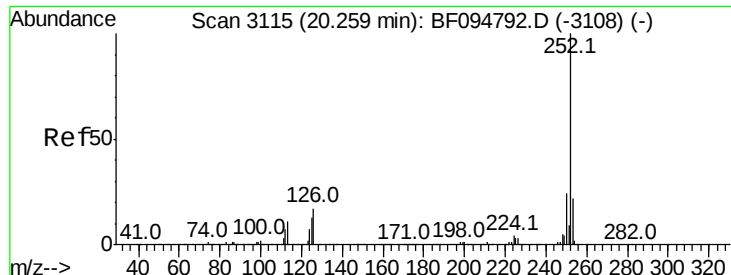
Lab File: BF095263.D

Acq: 19 May 2017 13:42

Tgt Ion:252 Resp: 110122

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	14.7	13.1	19.7





#89

Benzo(a)pyrene

Concen: 6.09 ng

RT: 20.31 min Scan# 3124

Delta R.T. 0.00 min

Lab File: BF095263.D

Acq: 19 May 2017 13:42

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 64082

Ion Ratio Lower Upper

252 100

253 20.6 17.5 26.3

125 16.1 11.0 16.4

