

Data Path : Z:\HPCHEM1\BNA F\Data\BF051817\
 Data File : BF095259.D
 Acq On : 19 May 2017 11:34
 Operator : SJ/MA
 Sample : I3186-14
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 19 13:24:56 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	104247	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	399193	20.00	ng	0.00
38) Acenaphthene-d10	12.62	164	192195	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	311929	20.00	ng	0.00
75) Chrysene-d12	18.69	240	175415	20.00	ng	0.00
86) Perylene-d12	20.36	264	181700	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.74	112	998700	159.72	ng	0.00
7) Phenol-d6	7.32	99	1213962	161.81	ng	0.00
23) Nitrobenzene-d5	8.67	82	648491	102.44	ng	0.00
41) 2,4,6-Tribromophenol	13.91	330	228396	145.10	ng	0.00
44) 2-Fluorobiphenyl	11.56	172	1242899	93.08	ng	0.00
78) Terphenyl-d14	17.34	244	837569	105.17	ng	0.00

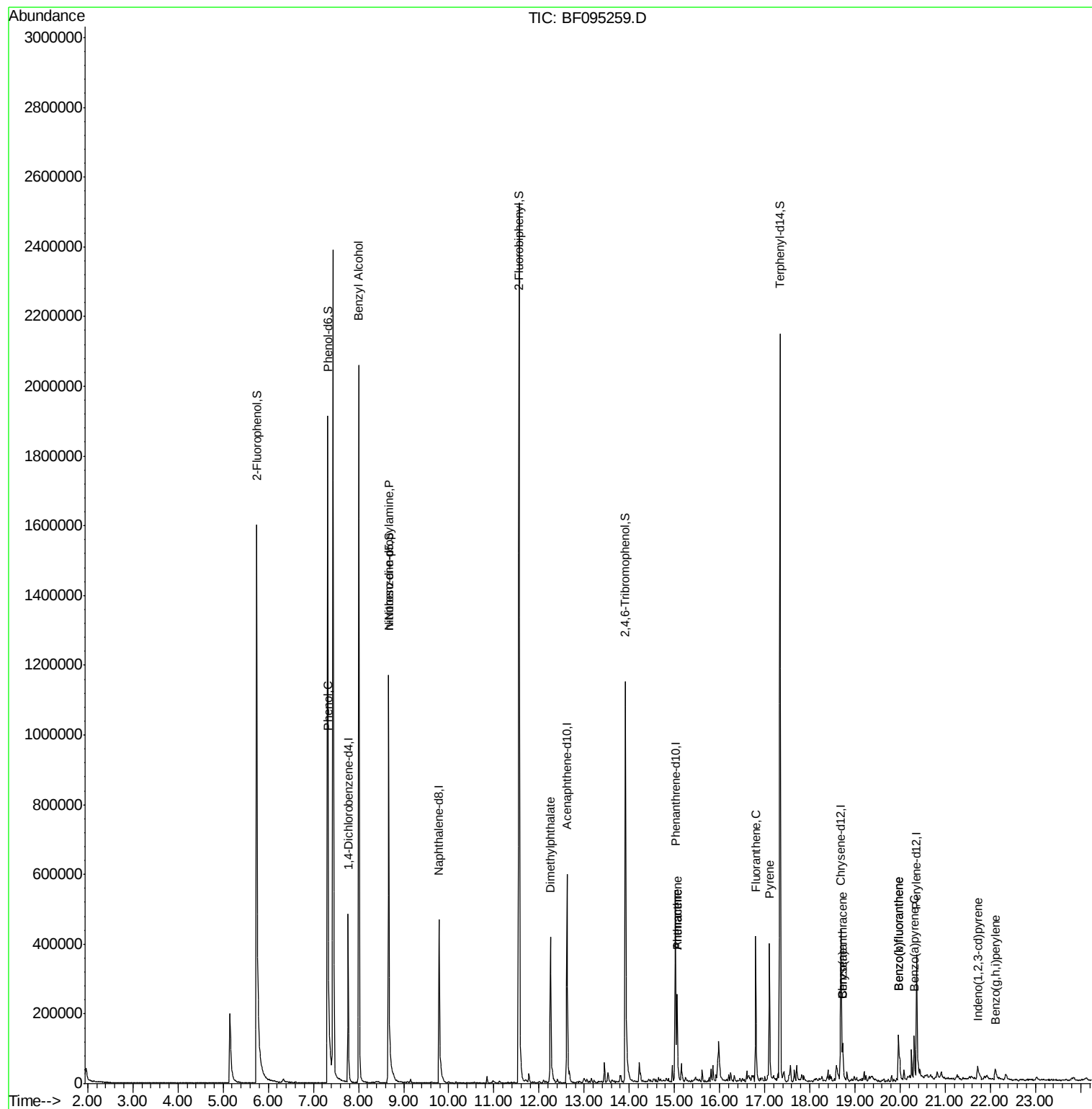
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.33	94	29046	3.67	ng	# 80
15) Benzyl Alcohol	8.01	79	11044	2.29	ng	# 49
19) n-Nitroso-di-n-propylamine	8.67	70	79369	15.64	ng	# 74
49) Dimethylphthalate	12.25	163	316702	20.07	ng	99
70) Phenanthrene	15.06	178	158292	8.83	ng	98
71) Anthracene	15.06	178	158292	8.65	ng	99
74) Fluoranthene	16.80	202	238036	12.95	ng	99
77) Pyrene	17.11	202	206477	15.74	ng	97
80) Benzo(a)anthracene	18.73	228	63380	6.21	ng	99
82) Chrysene	18.73	228	63380	6.42	ng	97
85) Indeno(1,2,3-cd)pyrene	21.72	276	29406	3.67	ng	96
87) Benzo(b)fluoranthene	19.96	252	98013	8.73	ng	97
88) Benzo(k)fluoranthene	19.96	252	98013	9.05	ng	97
89) Benzo(a)pyrene	20.31	252	56492	5.45	ng	93
91) Benzo(a,h,i)perylene	22.11	276	29259	3.48	ng	# 92

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

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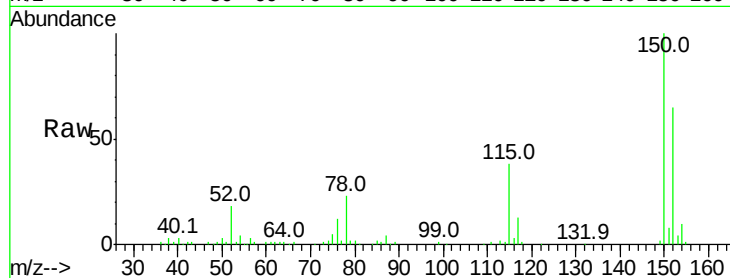


#1

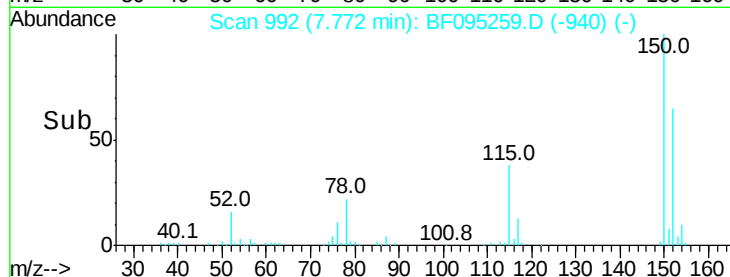
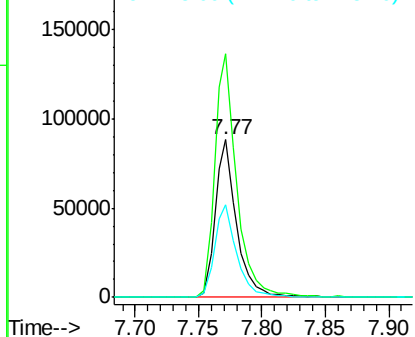
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 992
Delta R.T. 0.01 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 104247
Ion Ratio Lower Upper
152 100
150 154.7 126.2 189.2
115 58.6 52.2 78.2



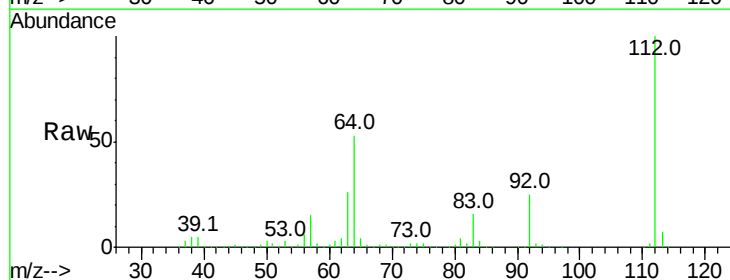
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



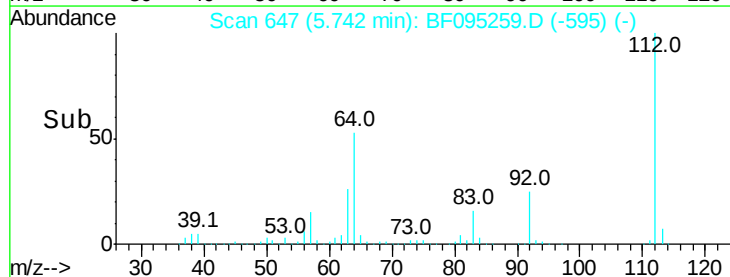
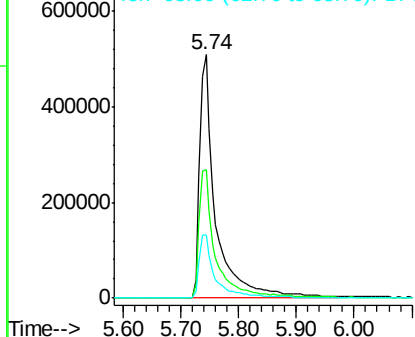
#5

2-Fluorophenol
Concen: 159.72 ng
RT: 5.74 min Scan# 647
Delta R.T. 0.01 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

Tgt Ion:112 Resp: 998700
Ion Ratio Lower Upper
112 100
64 53.0 46.0 69.0
63 25.8 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: 161.81 ng

RT: 7.32 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF095259.D

Acq: 19 May 2017 11:34

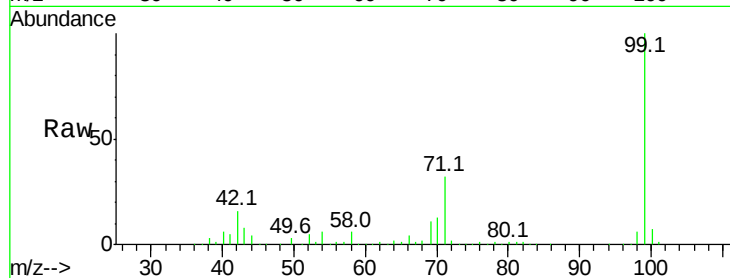
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1213962

Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.5	20.3
71	31.6	24.5	36.7

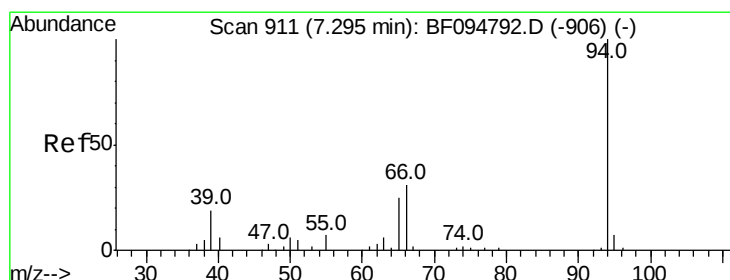
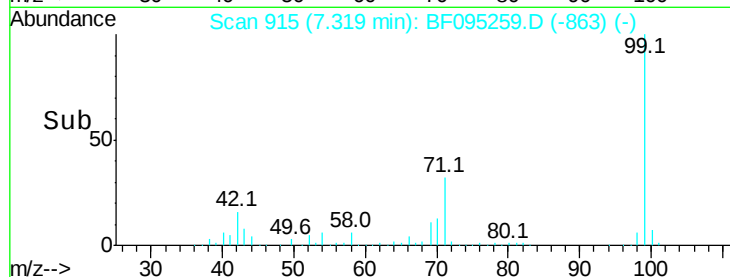
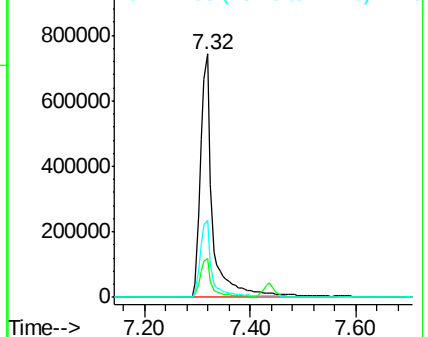


Abundance

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



#10

Phenol

Concen: 3.67 ng

RT: 7.33 min Scan# 917

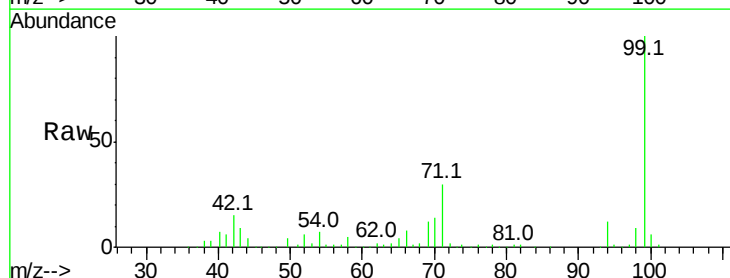
Delta R.T. -0.00 min

Lab File: BF095259.D

Acq: 19 May 2017 11:34

Tgt Ion: 94 Resp: 29046

Ion	Ratio	Lower	Upper
94	100		
65	30.2	9.9	49.9
66	64.1	23.1	63.1#

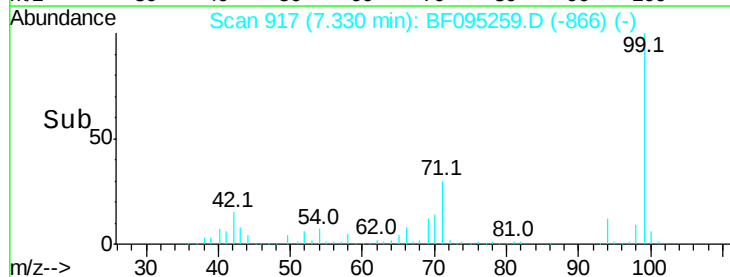
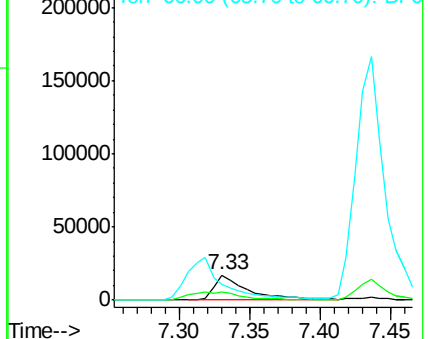


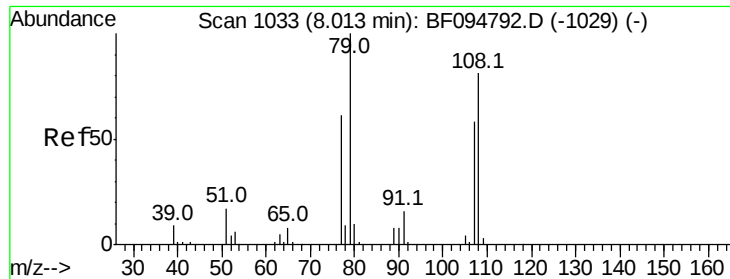
Abundance

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

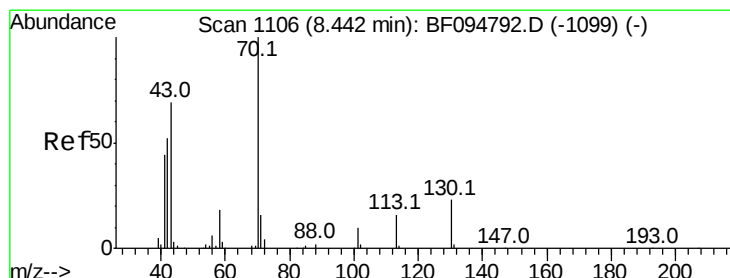
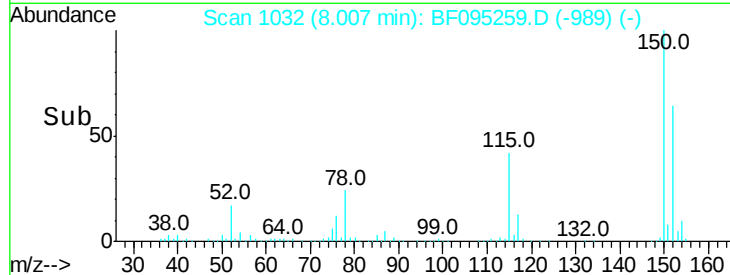
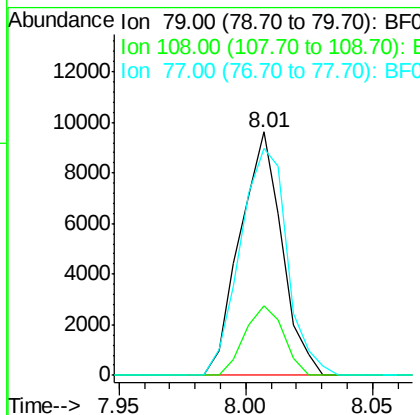
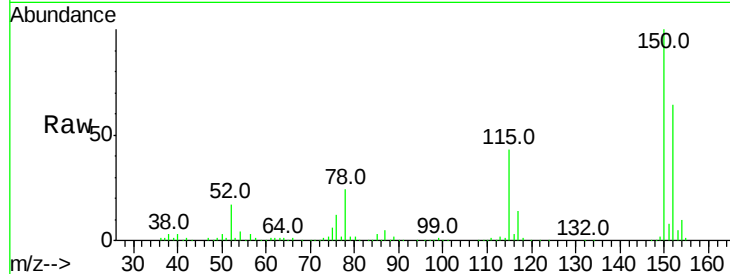




#15
Benzyl Alcohol
Concen: 2.29 ng
RT: 8.01 min Scan# 1032
Delta R.T. -0.05 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

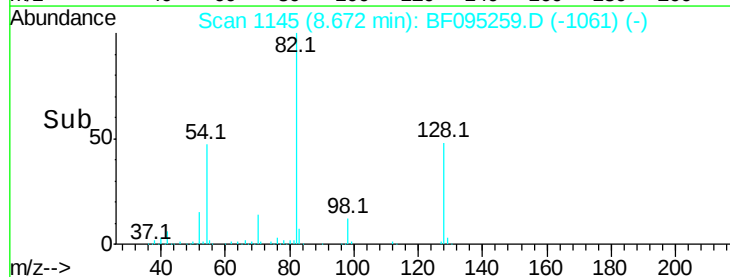
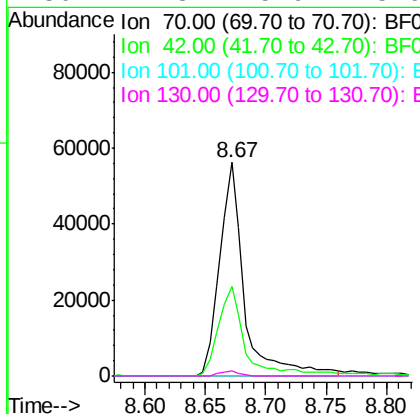
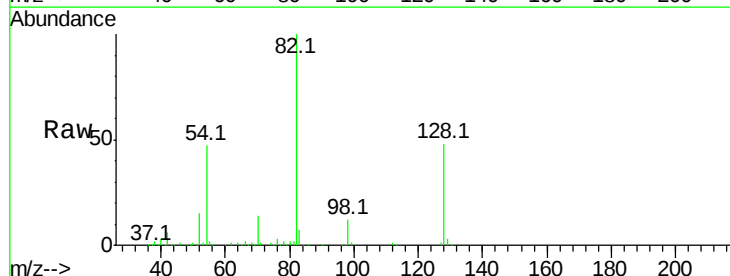
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 79 Resp: 11044
Ion Ratio Lower Upper
79 100
108 28.6 63.4 95.0#
77 93.3 49.2 73.8#



#19
n-Nitroso-di-n-propylamine
Concen: 15.64 ng
RT: 8.67 min Scan# 1145
Delta R.T. 0.19 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

Tgt Ion: 70 Resp: 79369
Ion Ratio Lower Upper
70 100
42 42.1 47.2 70.8#
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.78 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF095259.D

Acq: 19 May 2017 11:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 399193

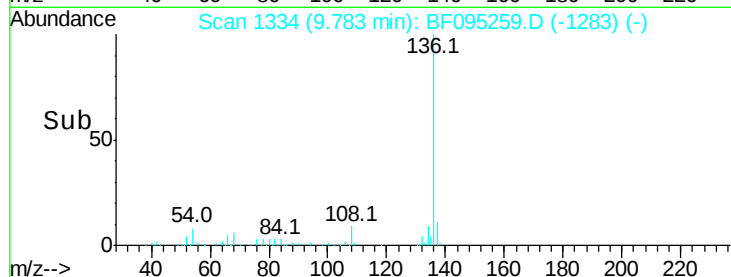
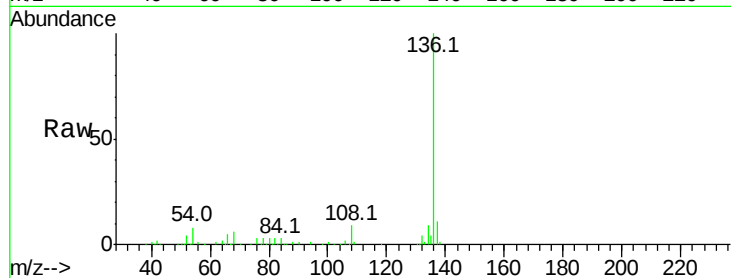
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.7 4.9 7.3#

68 5.6 4.1 6.1

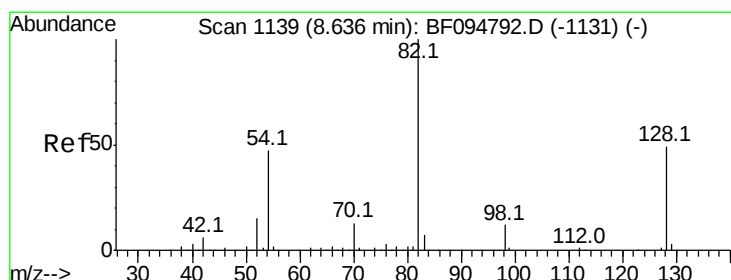
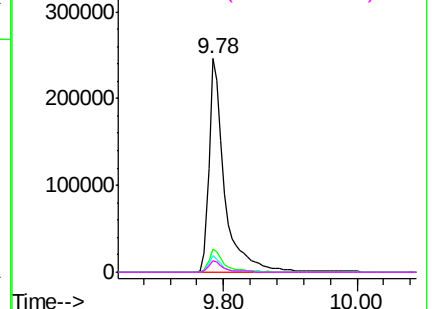


Abundance Ion 136.00 (135.70 to 136.70): E

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: 102.44 ng

RT: 8.67 min Scan# 1145

Delta R.T. -0.00 min

Lab File: BF095259.D

Acq: 19 May 2017 11:34

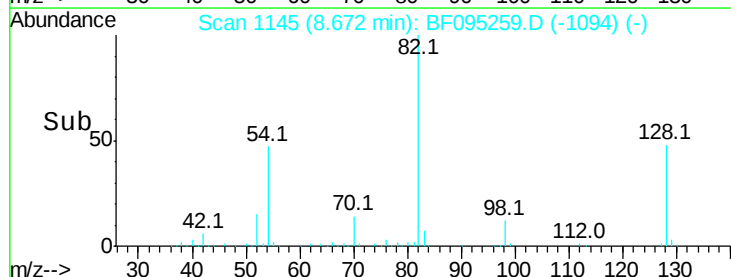
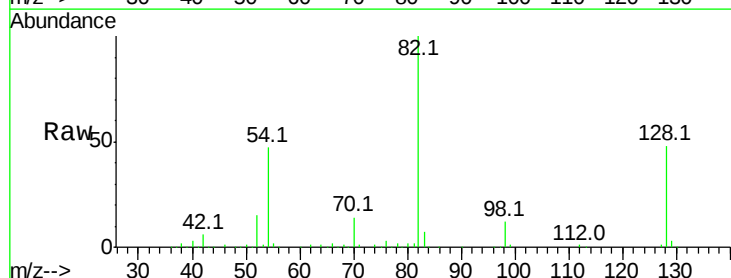
Tgt Ion: 82 Resp: 648491

Ion Ratio Lower Upper

82 100

128 47.6 34.0 51.0

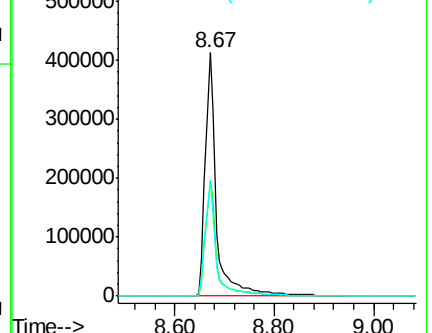
54 47.2 42.2 63.2

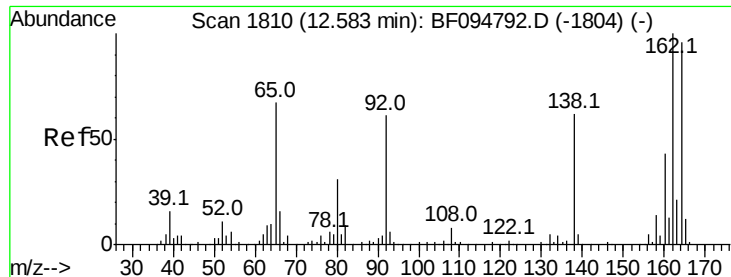


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.62 min Scan# 1816

Delta R.T. -0.00 min

Lab File: BF095259.D

Acq: 19 May 2017 11:34

Instrument :

BNA_F

ClientSampleId :

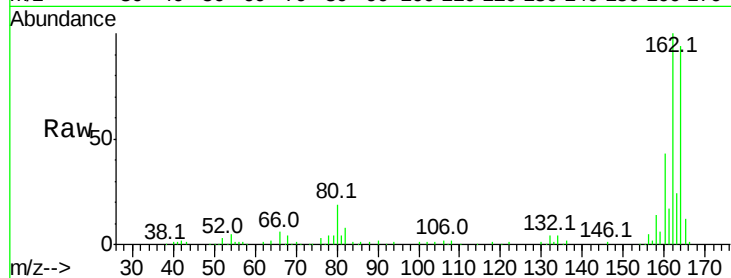
Tot Ion:164 Resp: 192195

Ion Ratio Lower Upper

164 100

162 106.0 82.6 123.8

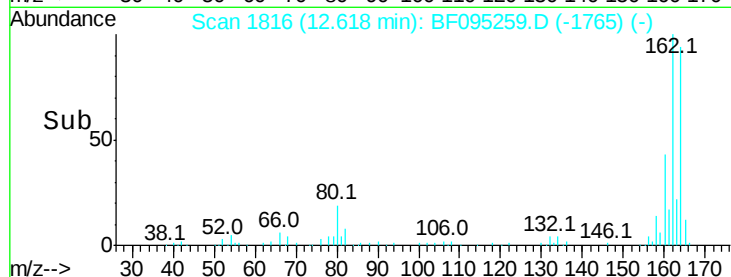
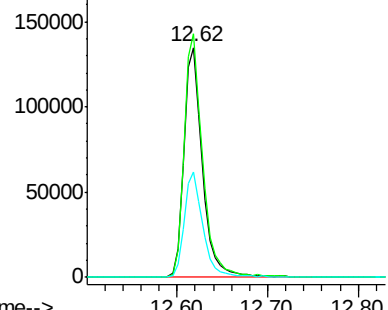
160 45.8 36.2 54.2



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: 145.10 ng

RT: 13.91 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF095259.D

Acq: 19 May 2017 11:34

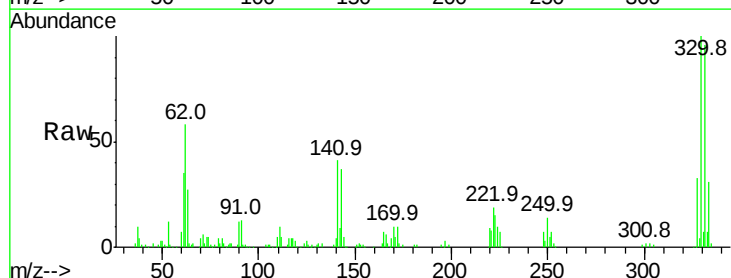
Tgt Ion:330 Resp: 228396

Ion Ratio Lower Upper

330 100

332 96.3 76.6 115.0

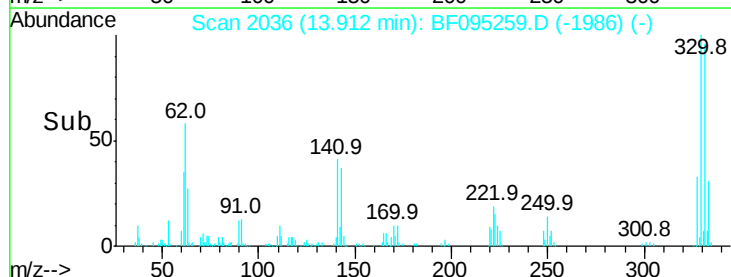
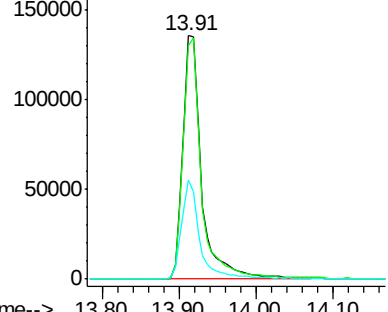
141 39.3 31.4 47.2



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



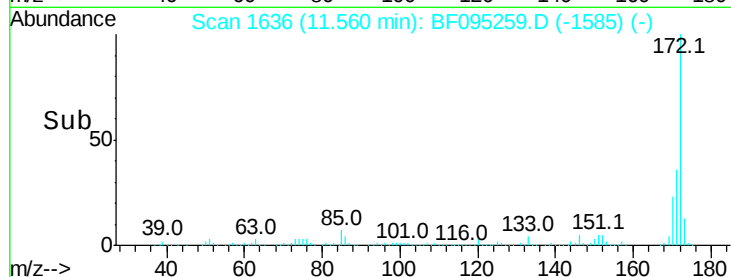
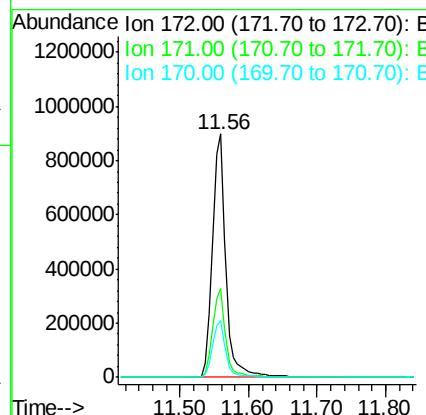
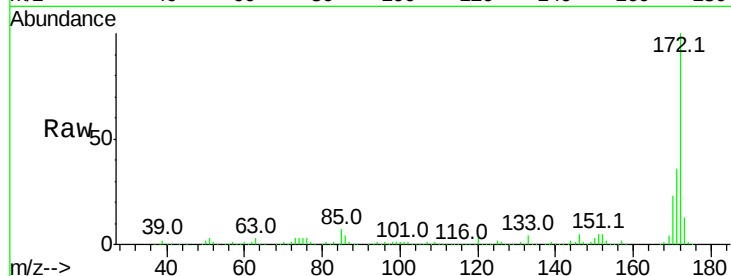


#44
 2-Fluorobiphenyl
 Concen: 93.08 ng
 RT: 11.56 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: BF095259.D
 Acq: 19 May 2017 11:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1242899

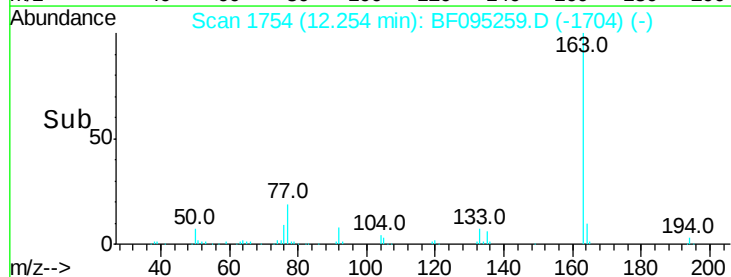
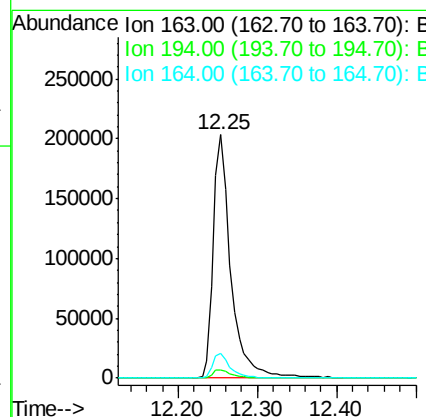
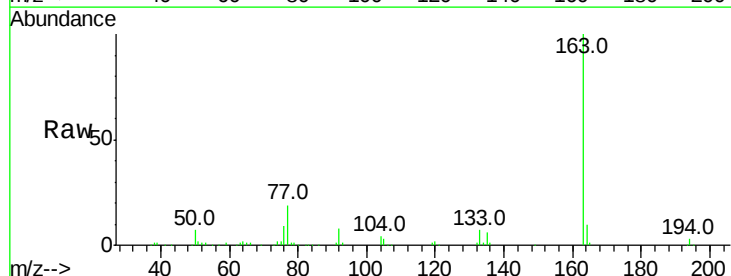
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	23.5	19.8	29.8

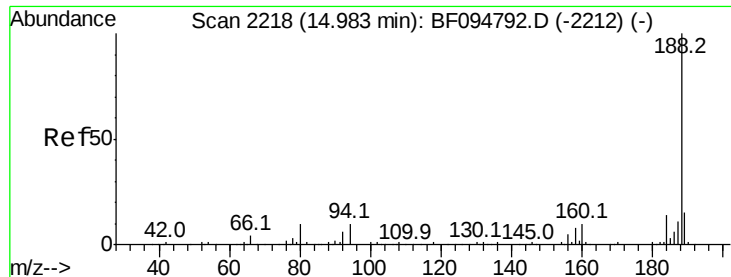


#49
 Dimethylphthalate
 Concen: 20.07 ng
 RT: 12.25 min Scan# 1754
 Delta R.T. -0.01 min
 Lab File: BF095259.D
 Acq: 19 May 2017 11:34

Tgt Ion:163 Resp: 316702

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.9	8.4	12.6

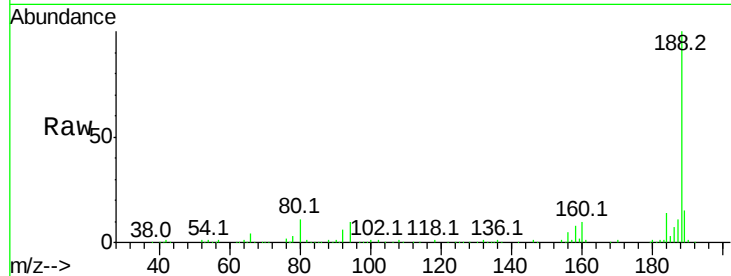




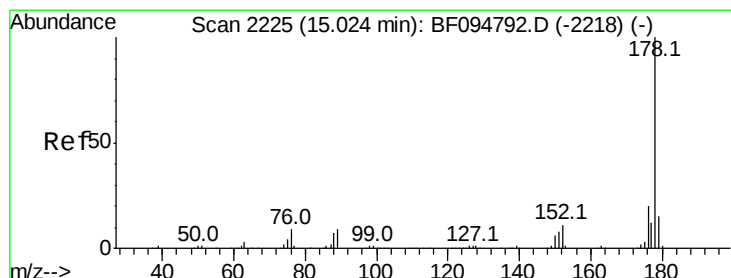
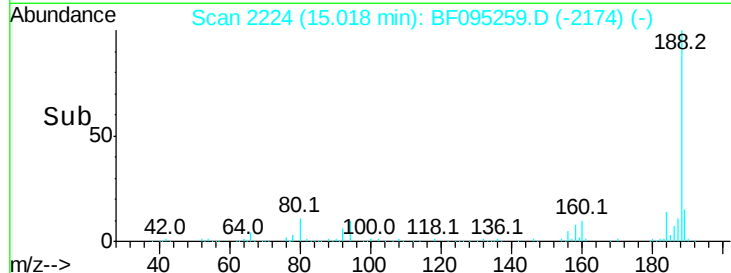
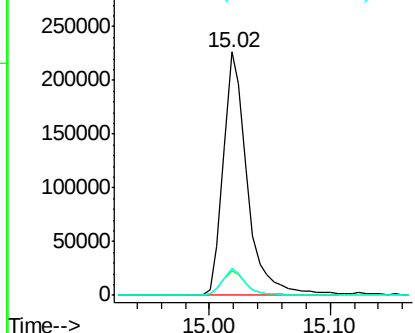
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.02 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BF095259.D
 Acq: 19 May 2017 11:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 311929
 Ion Ratio Lower Upper
 188 100
 94 10.3 9.4 14.2
 80 11.2 10.2 15.2

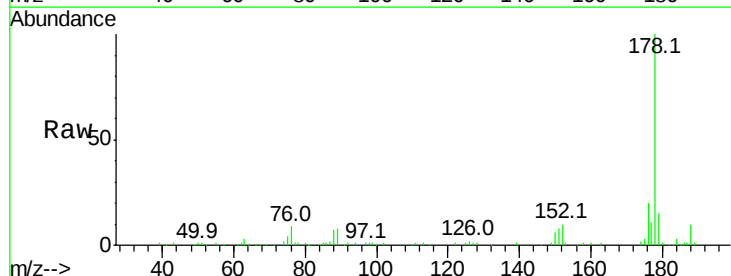


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

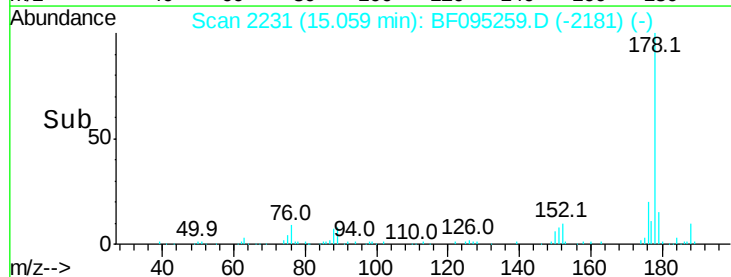
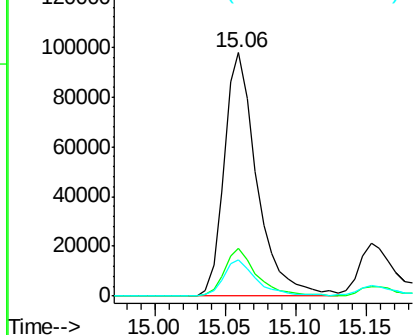


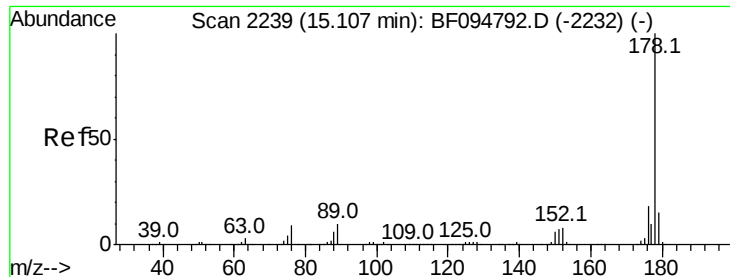
#70
 Phenanthrene
 Concen: 8.83 ng
 RT: 15.06 min Scan# 2231
 Delta R.T. -0.01 min
 Lab File: BF095259.D
 Acq: 19 May 2017 11:34

Tgt Ion:178 Resp: 158292
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.2 24.4
 179 15.0 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

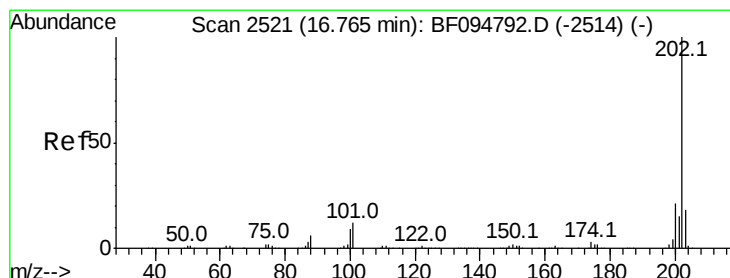
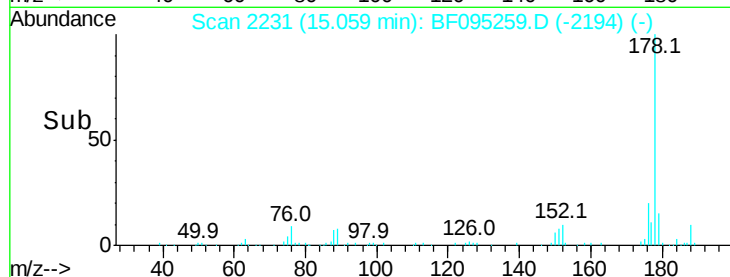
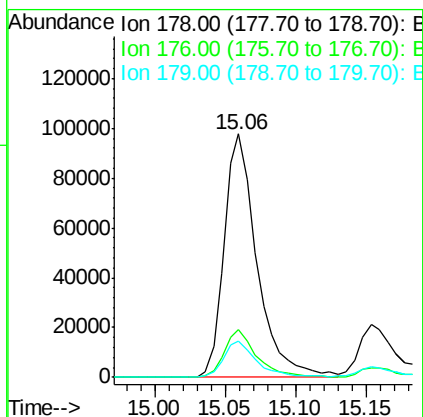
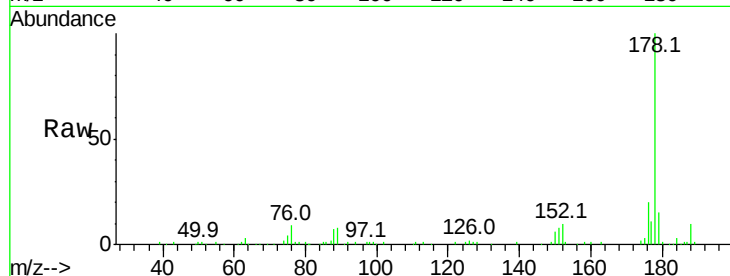




#71
 Anthracene
 Concen: 8.65 ng
 RT: 15.06 min Scan# 2231
 Delta R.T. -0.08 min
 Lab File: BF095259.D
 Acq: 19 May 2017 11:34

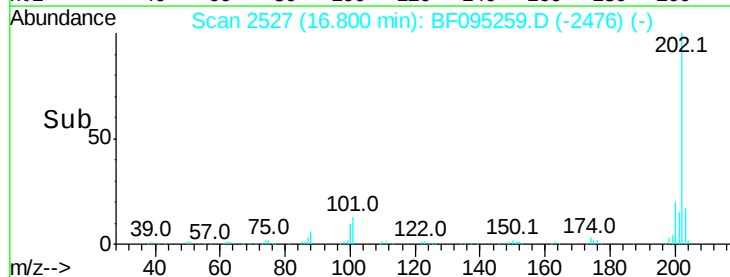
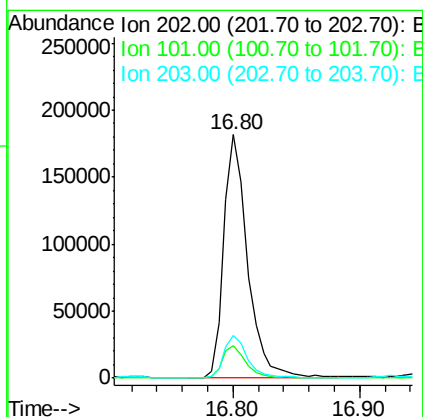
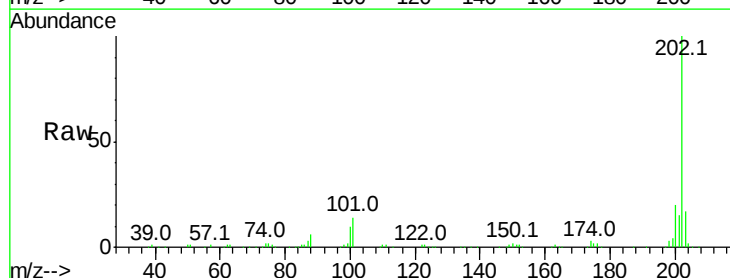
Instrument :
 BNA_F
 ClientSampleId :

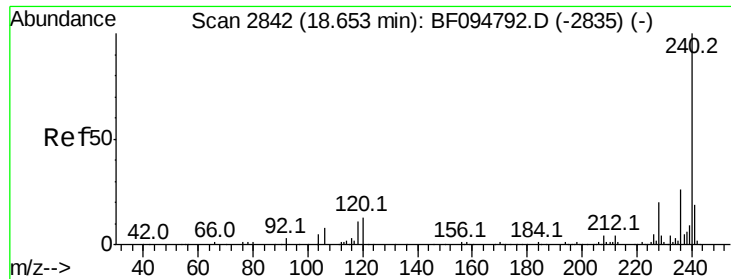
Tot Ion:178 Resp: 158292
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 15.0 12.7 19.1



#74
 Fluoranthene
 Concen: 12.95 ng
 RT: 16.80 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: BF095259.D
 Acq: 19 May 2017 11:34

Tgt Ion:202 Resp: 238036
 Ion Ratio Lower Upper
 202 100
 101 13.5 0.0 33.2
 203 17.4 0.0 38.1

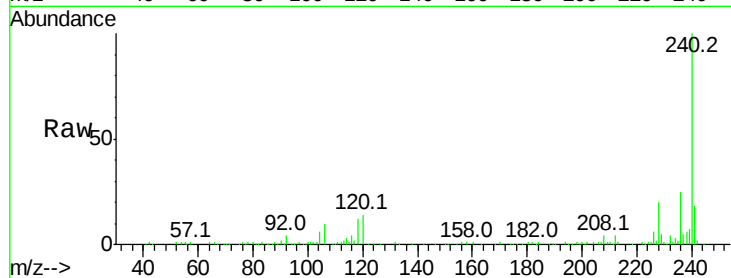




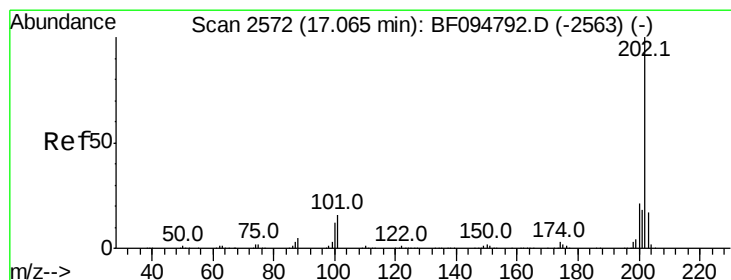
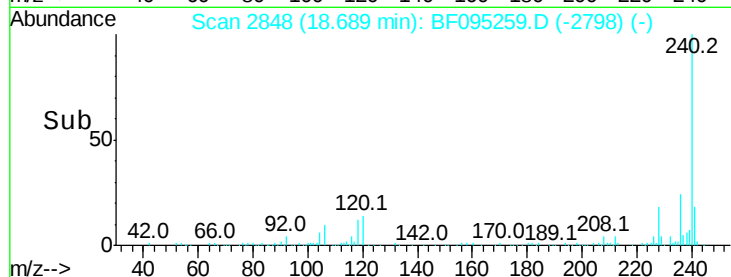
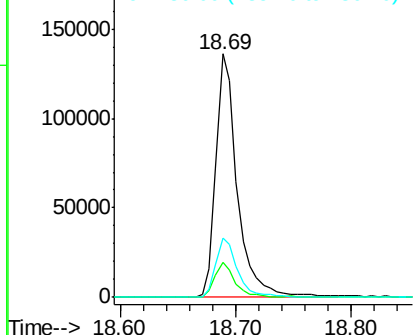
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.69 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 175415
Ion Ratio Lower Upper
240 100
120 14.4 5.8 8.8#
236 24.6 20.5 30.7

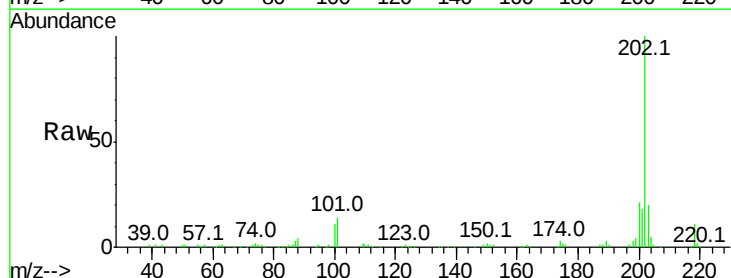


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

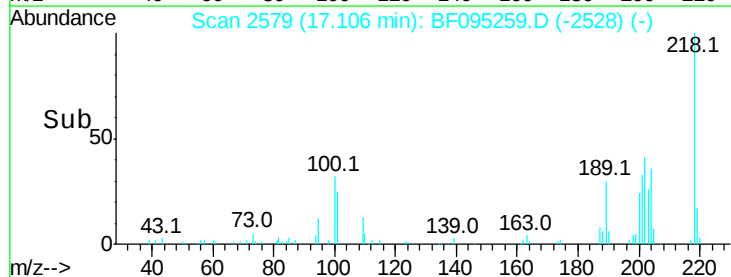
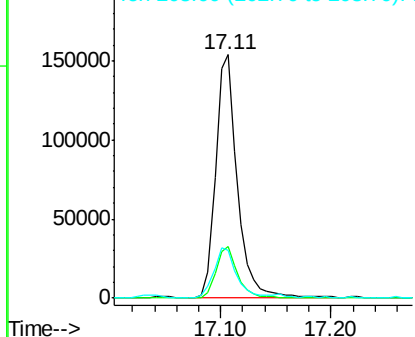


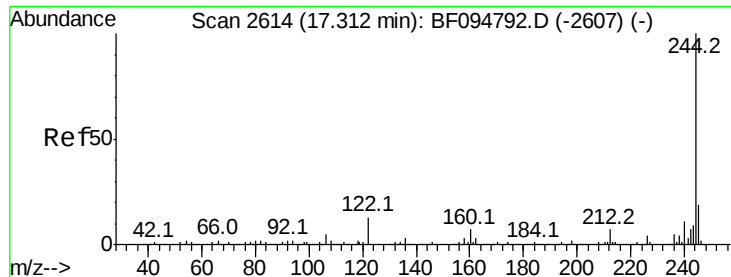
#77
Pyrene
Concen: 15.74 ng
RT: 17.11 min Scan# 2579
Delta R.T. -0.00 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

Tgt Ion:202 Resp: 206477
Ion Ratio Lower Upper
202 100
200 21.1 17.6 26.4
203 19.7 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

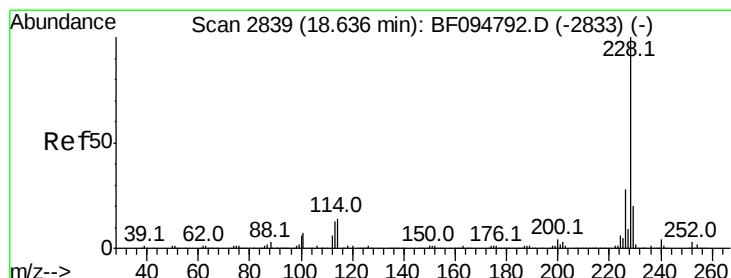
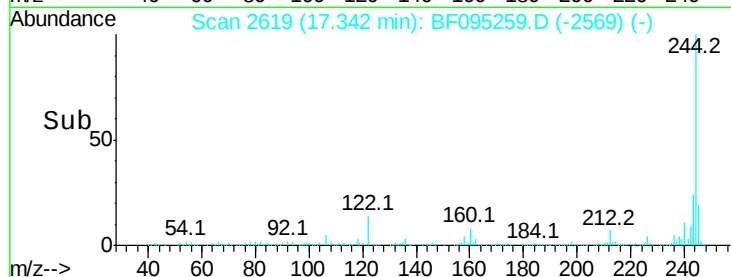
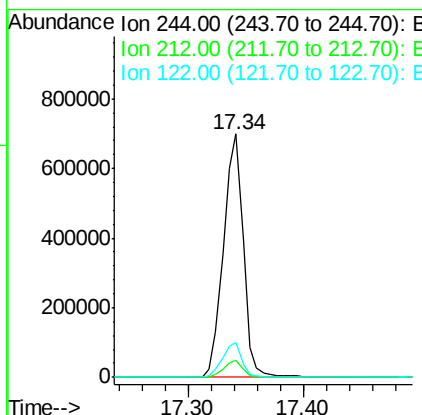
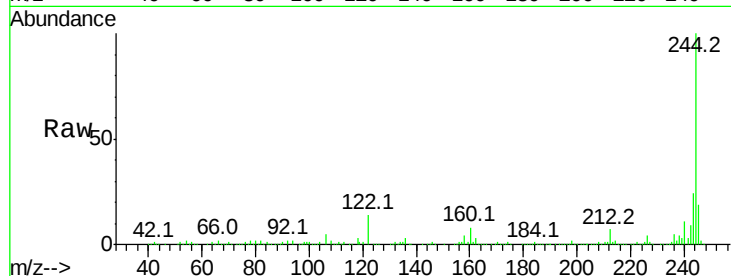




#78
 Terphenyl-d14
 Concen: 105.17 ng
 RT: 17.34 min Scan# 2619
 Delta R.T. -0.01 min
 Lab File: BF095259.D
 Acq: 19 May 2017 11:34

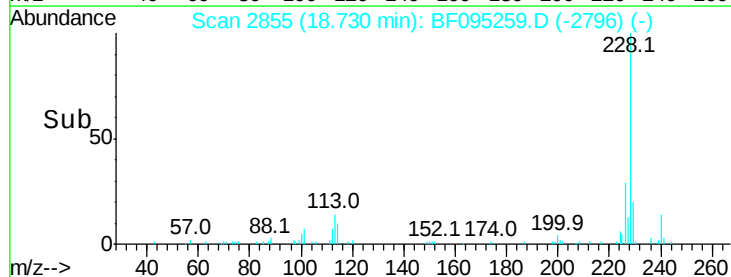
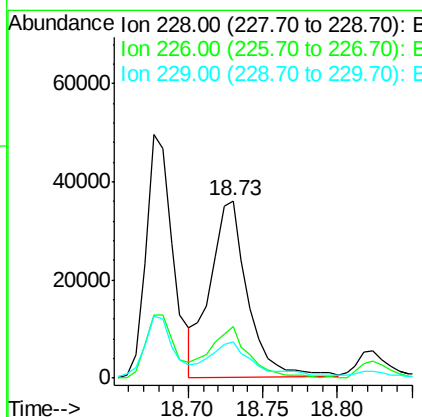
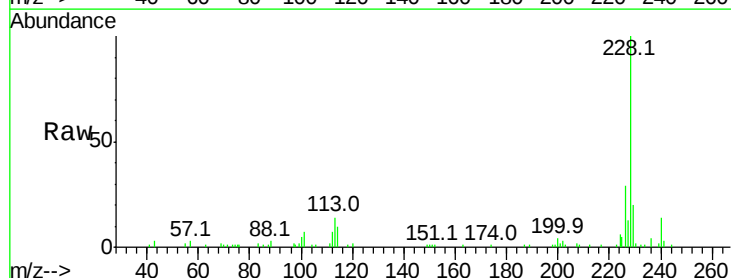
Instrument :
 BNA_F
 ClientSampleId :

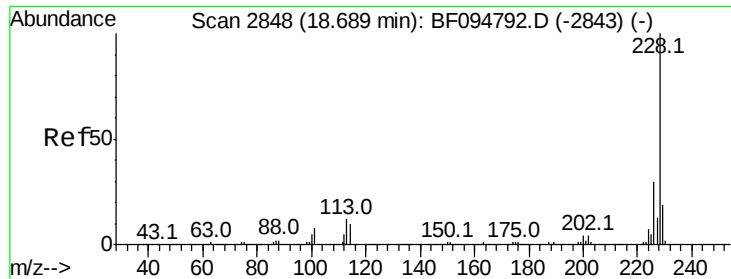
Tot Ion:244 Resp: 837569
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 14.2 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 6.21 ng
 RT: 18.73 min Scan# 2855
 Delta R.T. 0.05 min
 Lab File: BF095259.D
 Acq: 19 May 2017 11:34

Tgt Ion:228 Resp: 63380
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.6 33.8
 229 20.4 16.3 24.5





#82

Chrysene

Concen: 6.42 ng

RT: 18.73 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BF095259.D

Acq: 19 May 2017 11:34

Instrument :

BNA_F

ClientSampleId :

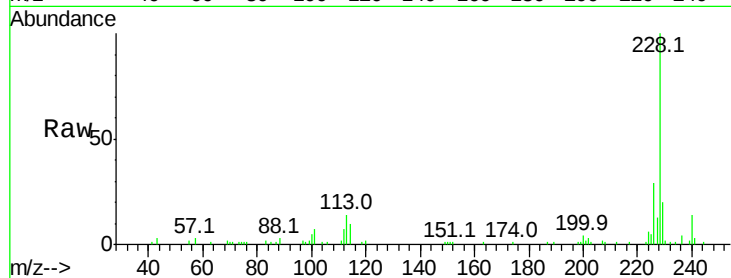
Tot Ion:228 Resp: 63380

Ion Ratio Lower Upper

228 100

226 29.2 24.9 37.3

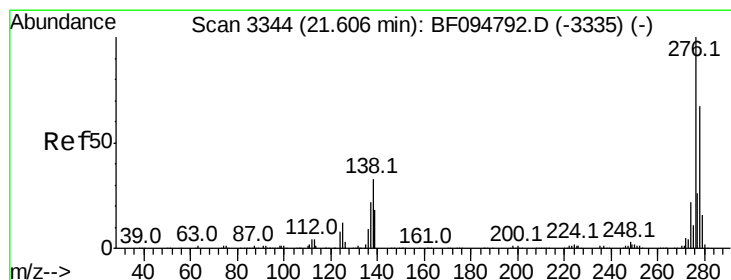
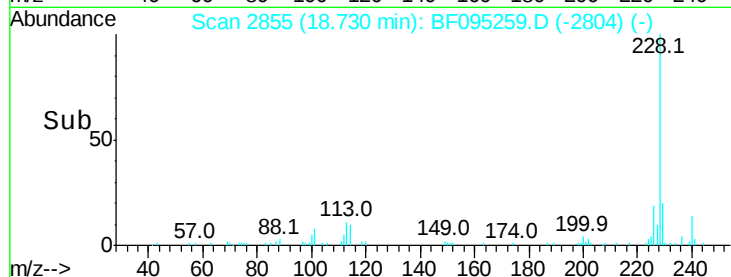
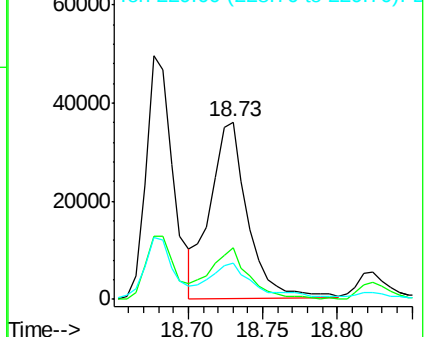
229 20.4 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.67 ng

RT: 21.72 min Scan# 3363

Delta R.T. 0.02 min

Lab File: BF095259.D

Acq: 19 May 2017 11:34

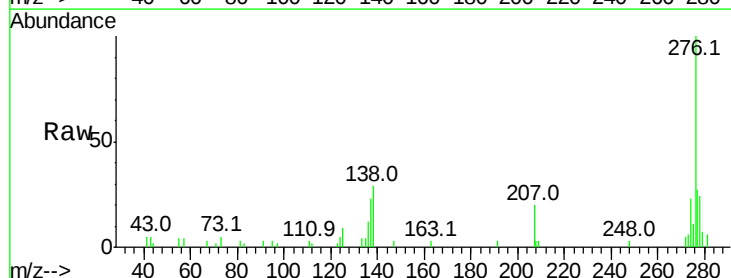
Tgt Ion:276 Resp: 29406

Ion Ratio Lower Upper

276 100

138 31.7 27.8 41.6

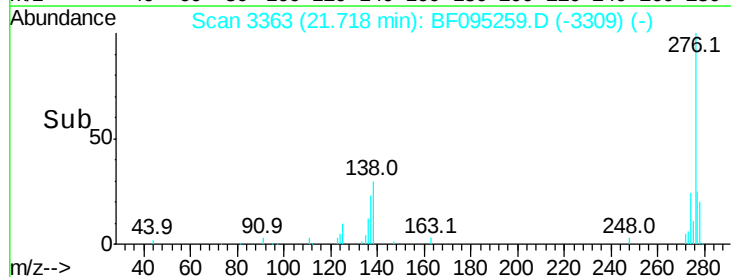
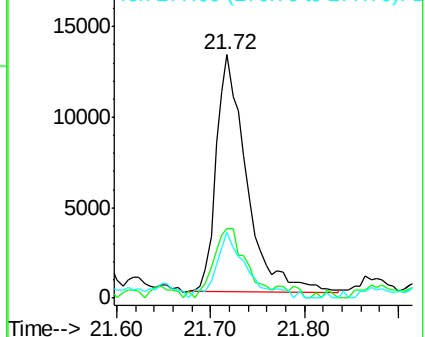
277 26.1 20.2 30.4

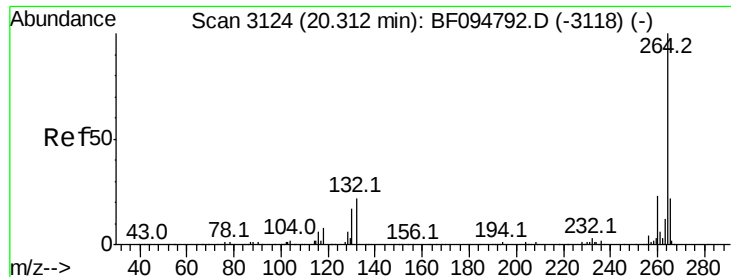


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

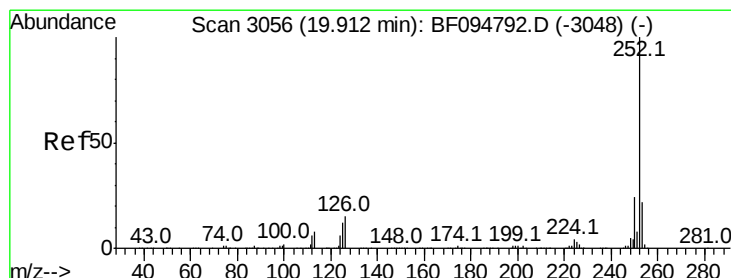
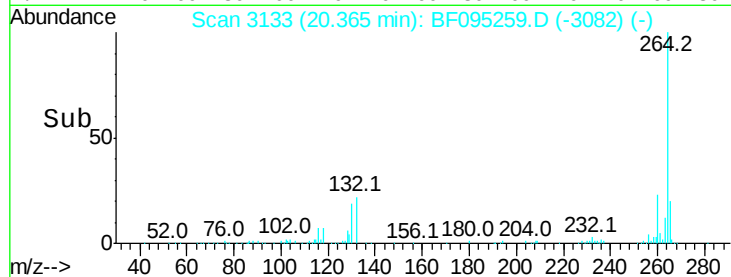
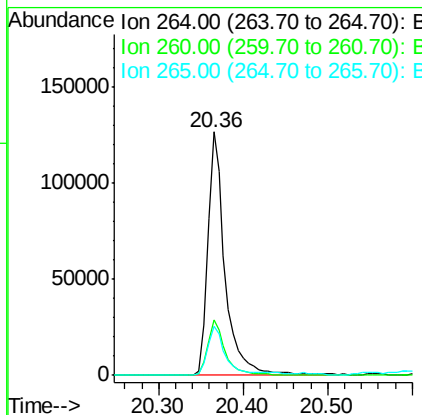
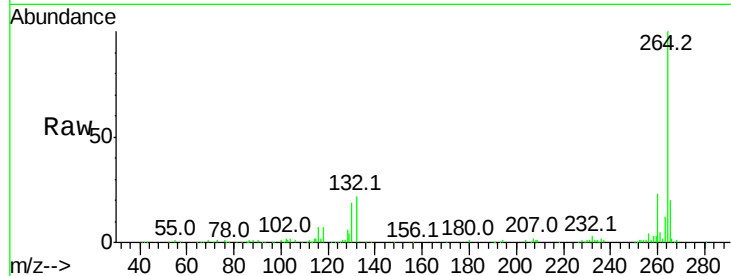




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3133
Delta R.T. -0.00 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

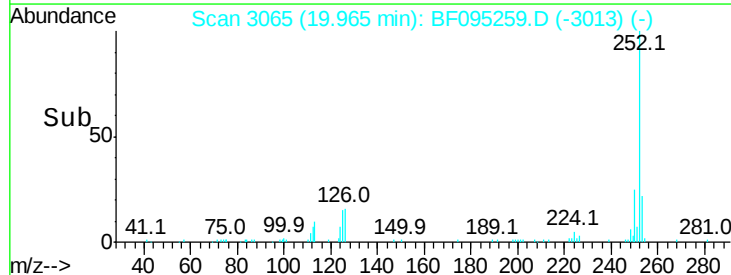
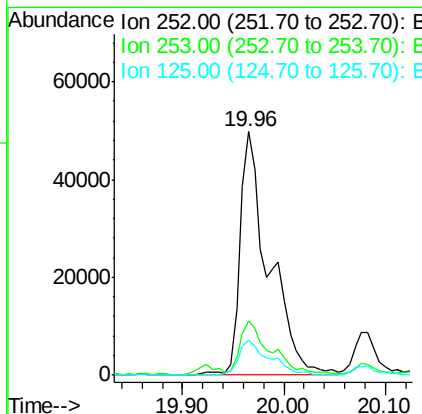
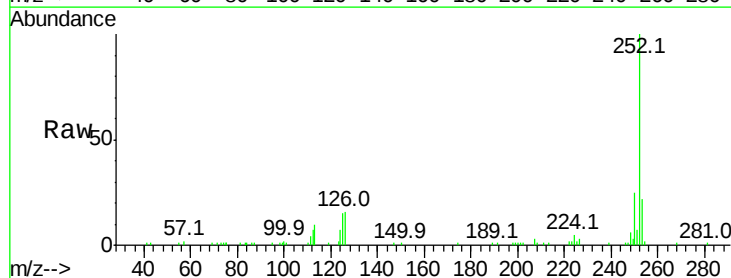
Instrument :
BNA_F
ClientSampleId :

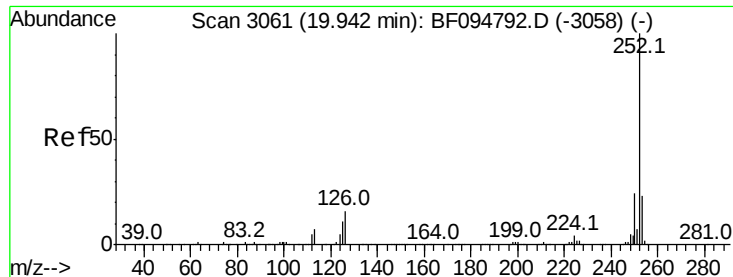
Tot Ion:264 Resp: 181700
Ion Ratio Lower Upper
264 100
260 22.9 19.5 29.3
265 20.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 8.73 ng
RT: 19.96 min Scan# 3065
Delta R.T. 0.01 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

Tgt Ion:252 Resp: 98013
Ion Ratio Lower Upper
252 100
253 22.1 18.1 27.1
125 14.5 9.8 14.8

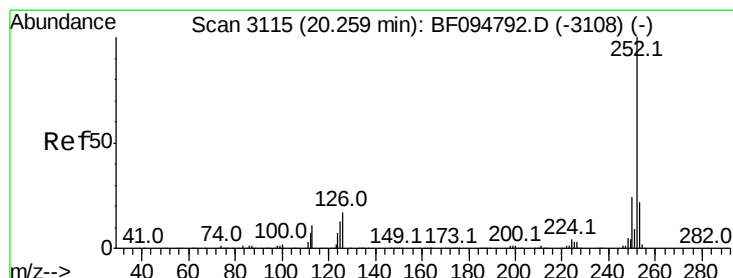
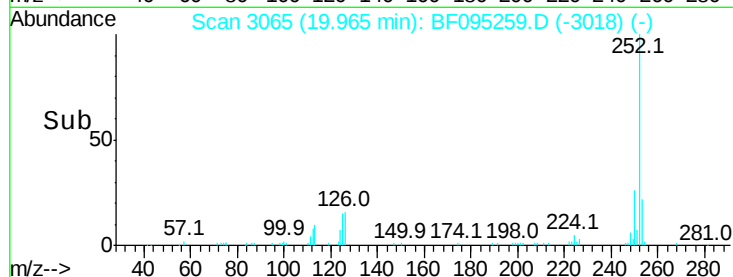
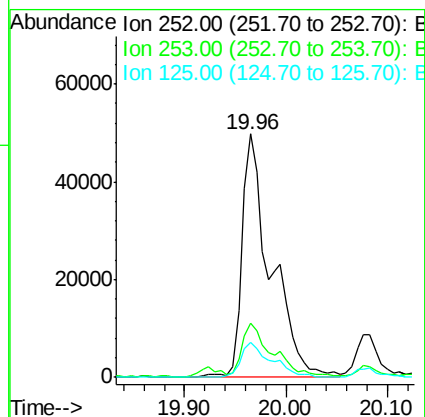
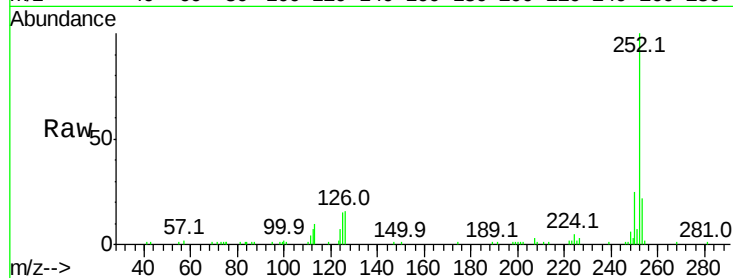




#88
Benzo(k)fluoranthene
Concen: 9.05 ng
RT: 19.96 min Scan# 3065
Delta R.T. -0.02 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

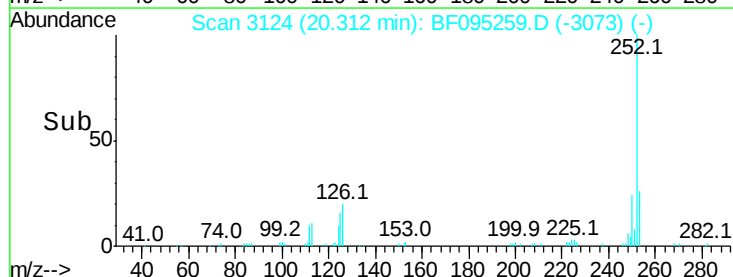
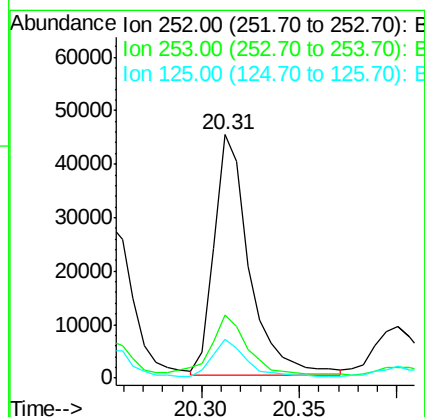
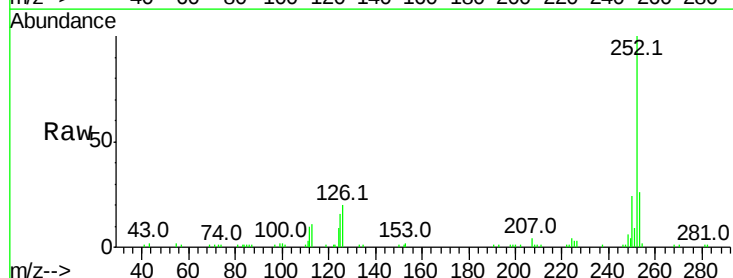
Instrument :
BNA_F
ClientSampleId :

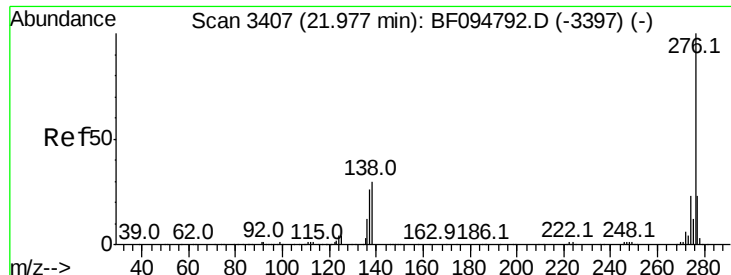
Tot Ion:252 Resp: 98013
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 14.5 13.1 19.7



#89
Benzo(a)pyrene
Concen: 5.45 ng
RT: 20.31 min Scan# 3124
Delta R.T. -0.00 min
Lab File: BF095259.D
Acq: 19 May 2017 11:34

Tgt Ion:252 Resp: 56492
Ion Ratio Lower Upper
252 100
253 26.0 17.5 26.3
125 15.9 11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 3.48 ng

RT: 22.11 min Scan# 3430

Delta R.T. 0.03 min

Lab File: BF095259.D

Acq: 19 May 2017 11:34

Instrument :

BNA_F

ClientSampleId :

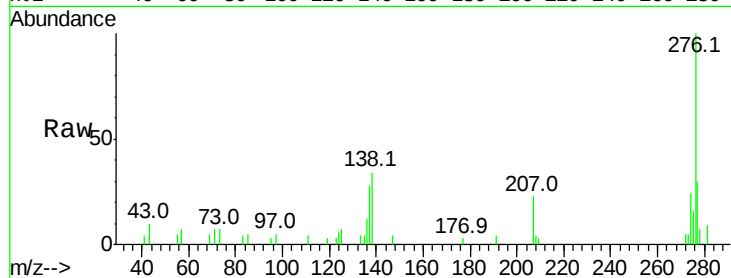
Tot Ion: 276 Resp: 29259

Ion Ratio Lower Upper

276 100

277 30.3 18.6 28.0#

138 33.9 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

