

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
 Data File : BF095520.D
 Acq On : 28 May 2017 3:42
 Operator : SJ/MA
 Sample : I3244-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 29 01:19:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

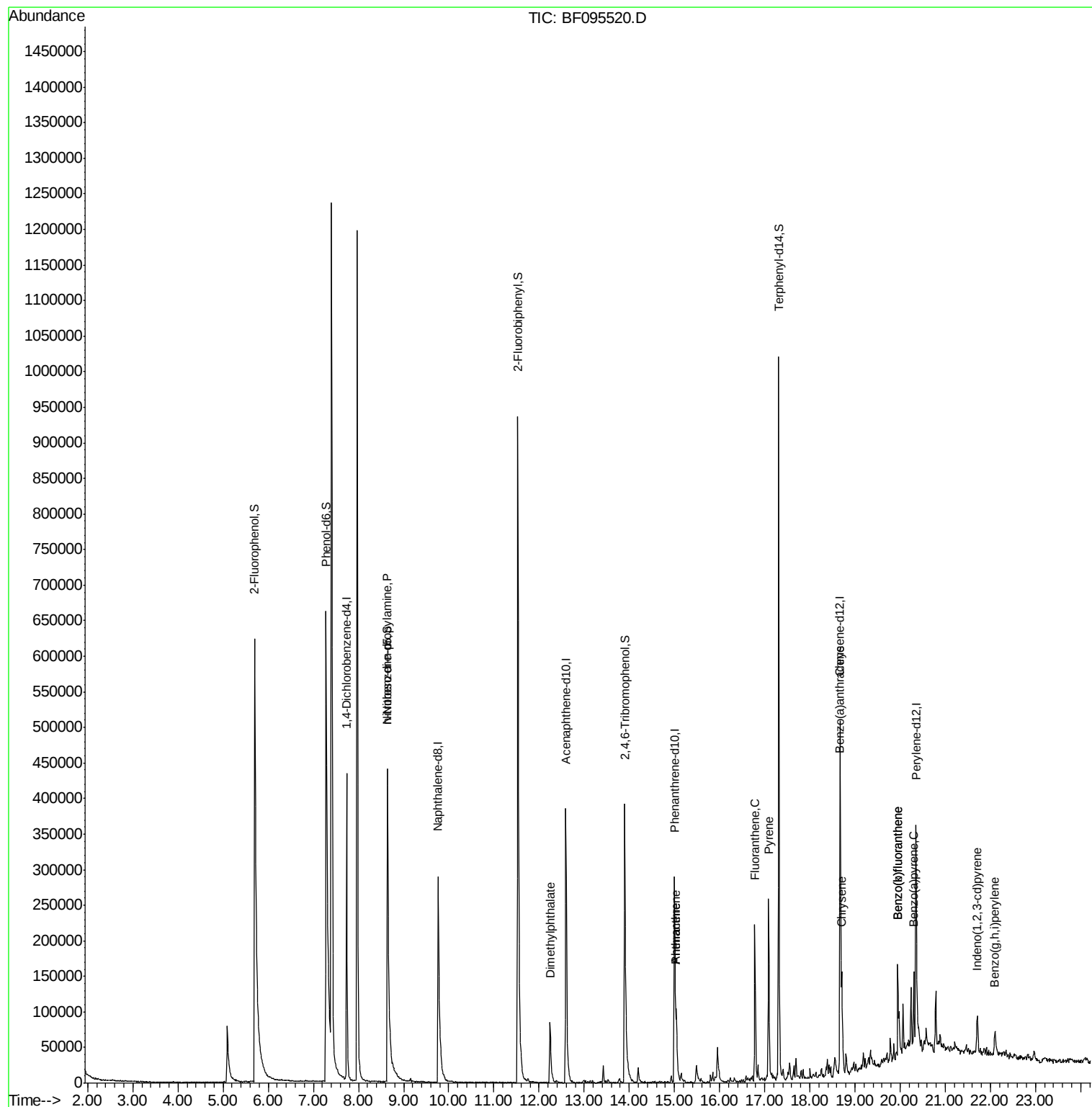
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	100006	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	386650	20.00	ng	0.00
38) Acenaphthene-d10	12.60	164	154708	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	215550	20.00	ng	0.00
75) Chrysene-d12	18.67	240	218446	20.00	ng	0.00
86) Perylene-d12	20.35	264	167013	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	589897	98.34	ng	0.00
7) Phenol-d6	7.28	99	722480	100.38	ng	-0.01
23) Nitrobenzene-d5	8.64	82	407896	66.52	ng	-0.01
41) 2,4,6-Tribromophenol	13.90	330	102764	81.11	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	674469	62.75	ng	0.00
78) Terphenyl-d14	17.31	244	409424	41.28	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.64	70	43729	8.98	ng	# 74
49) Dimethylphthalate	12.25	163	92511	7.28	ng	99
70) Phenanthrene	15.04	178	65402	5.28	ng	98
71) Anthracene	15.04	178	65402	5.17	ng	99
74) Fluoranthene	16.78	202	141926	11.17	ng	99
77) Pyrene	17.09	202	134699	8.24	ng	96
80) Benzo(a)anthracene	18.66	228	64477	5.07	ng	98
82) Chrysene	18.71	228	69764	5.68	ng	96
85) Indeno(1,2,3-cd)pyrene	21.71	276	24375	2.44	ng	# 89
87) Benzo(b)fluoranthene	19.95	252	103969	10.07	ng	96
88) Benzo(k)fluoranthene	19.95	252	103969	10.44	ng	96
89) Benzo(a)pyrene	20.30	252	49482	5.20	ng	# 93
91) Benzo(a,h,i)perylene	22.10	276	25621	3.32	ng	# 91

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

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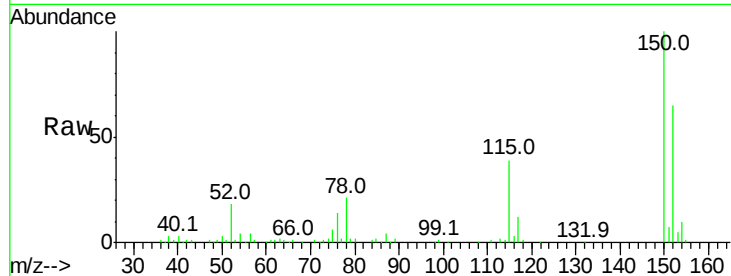


#1

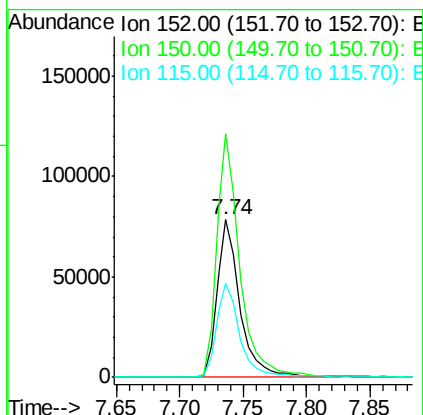
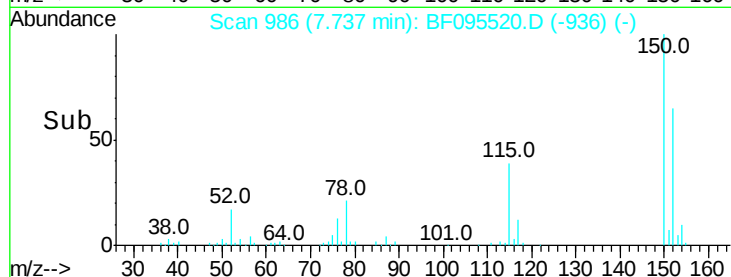
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.74 min Scan# 986
 Delta R.T. -0.01 min
 Lab File: BF095520.D
 Acq: 28 May 2017 3:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 100006
 Ion Ratio Lower Upper
 152 100
 150 154.8 126.2 189.2
 115 59.7 52.2 78.2



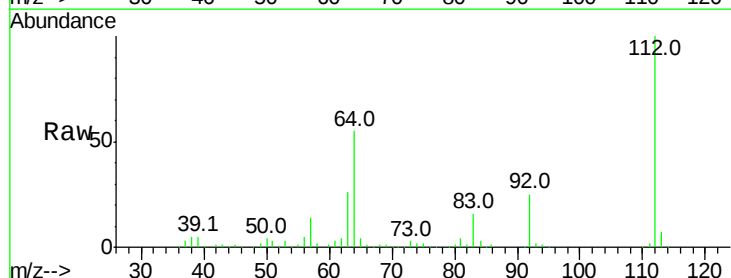
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



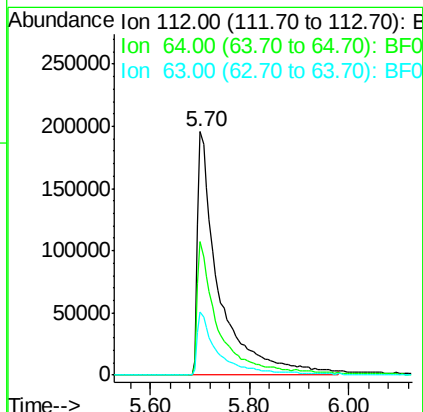
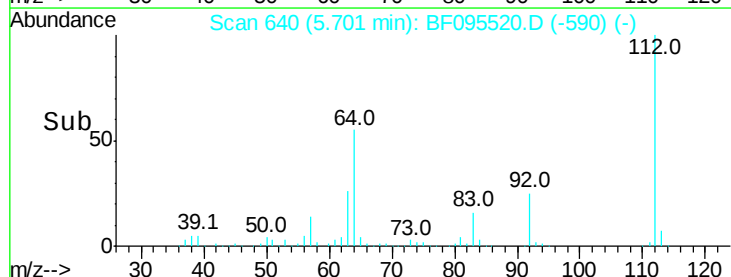
#5

2-Fluorophenol
 Concen: 98.34 ng
 RT: 5.70 min Scan# 640
 Delta R.T. -0.01 min
 Lab File: BF095520.D
 Acq: 28 May 2017 3:42

Tgt Ion:112 Resp: 589897
 Ion Ratio Lower Upper
 112 100
 64 54.9 46.0 69.0
 63 26.2 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: 100.38 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095520.D

Acq: 28 May 2017 3:42

Instrument :

BNA_F

ClientSampleId :

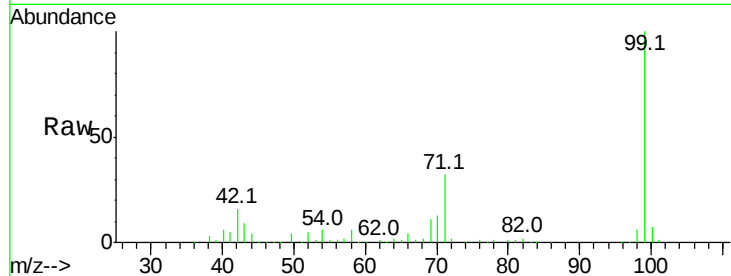
Tot Ion: 99 Resp: 722480

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

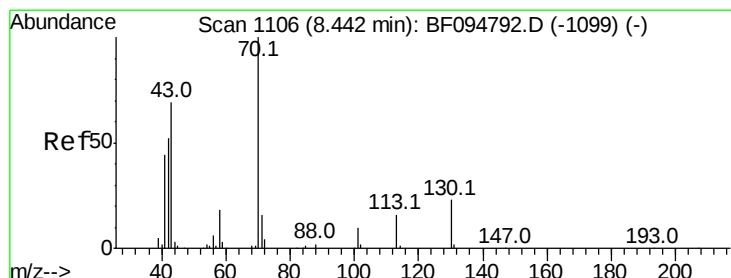
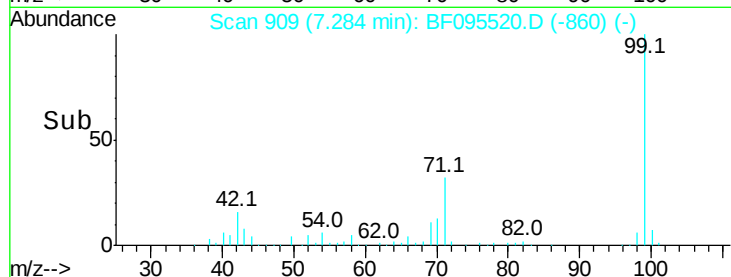
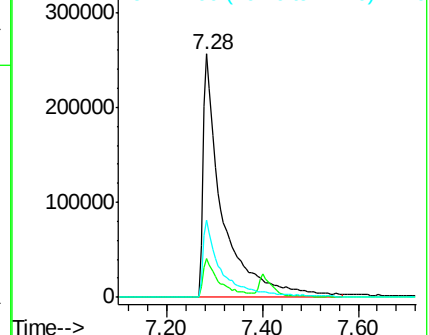
71 31.5 24.5 36.7



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: 8.98 ng

RT: 8.64 min Scan# 1140

Delta R.T. 0.18 min

Lab File: BF095520.D

Acq: 28 May 2017 3:42

Tgt Ion: 70 Resp: 43729

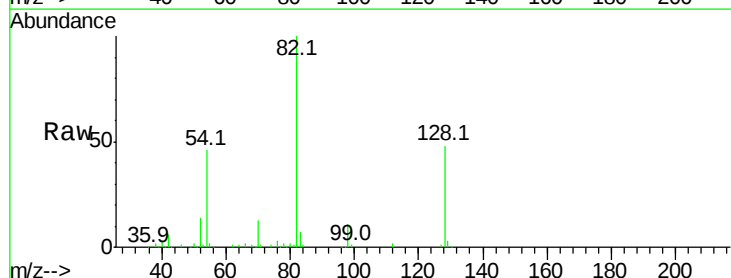
Ion Ratio Lower Upper

70 100

42 43.3 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

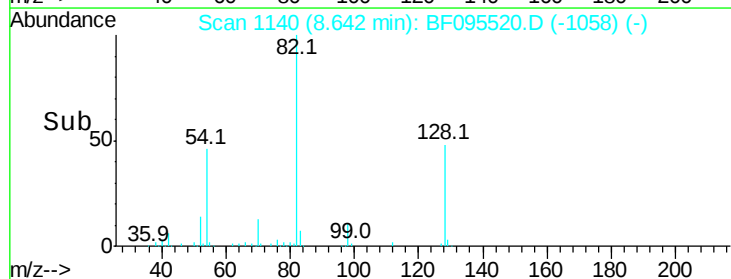
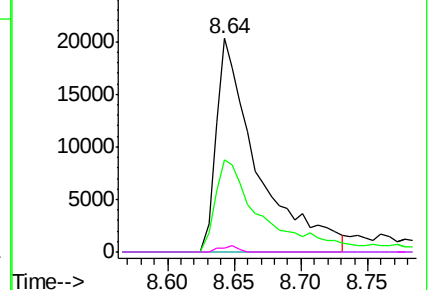


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.77 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BF095520.D

Acq: 28 May 2017 3:42

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 386650

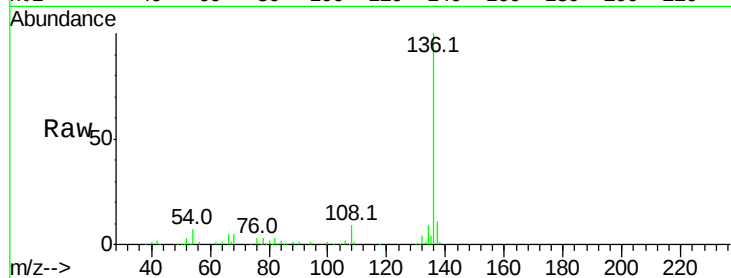
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 7.1 4.9 7.3

68 5.5 4.1 6.1

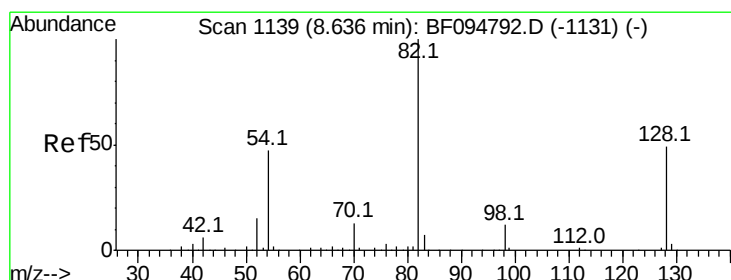
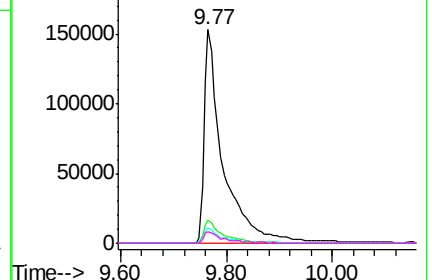
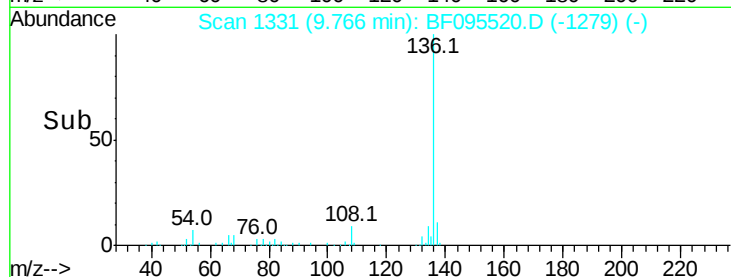


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.52 ng

RT: 8.64 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF095520.D

Acq: 28 May 2017 3:42

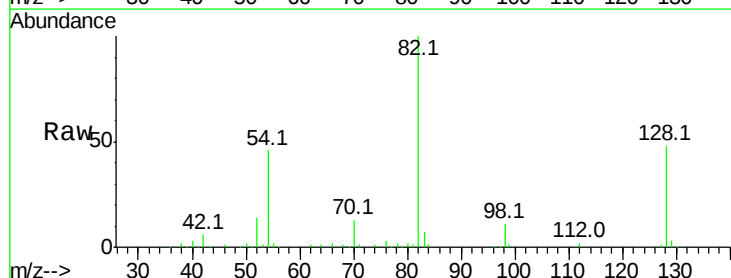
Tgt Ion: 82 Resp: 407896

Ion Ratio Lower Upper

82 100

128 47.6 34.0 51.0

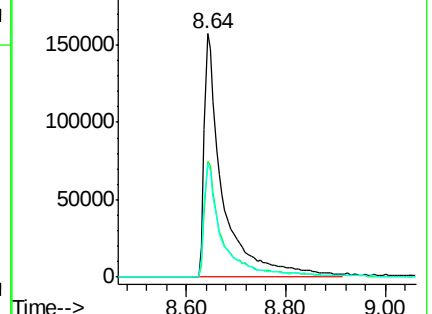
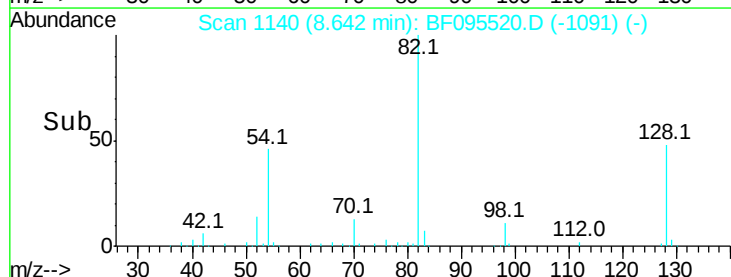
54 46.4 42.2 63.2



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: 12.60 min Scan# 1812

Delta R.T. 0.00 min

Lab File: BF095520.D

Acq: 28 May 2017 3:42

Instrument :

BNA_F

ClientSampleId :

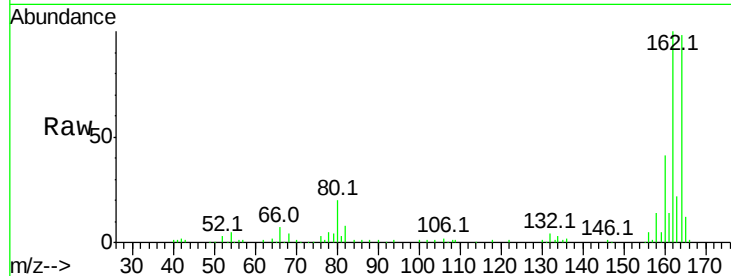
Tot Ion:164 Resp: 154708

Ion Ratio Lower Upper

164 100

162 101.6 82.6 123.8

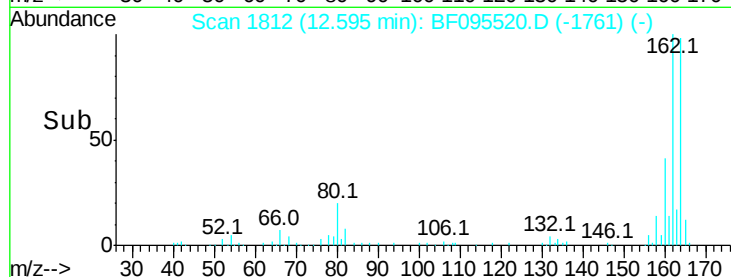
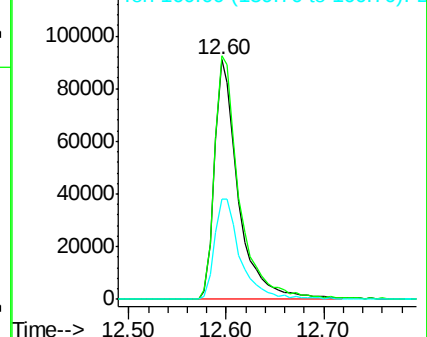
160 42.0 36.2 54.2



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: 81.11 ng

RT: 13.90 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF095520.D

Acq: 28 May 2017 3:42

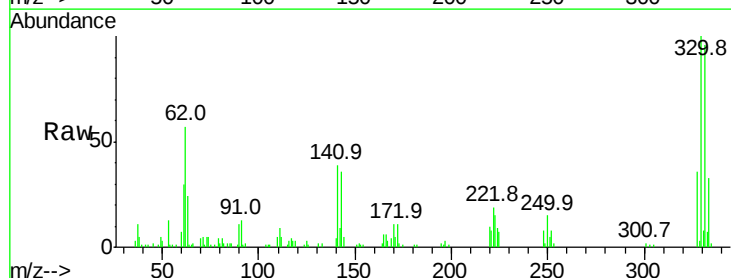
Tgt Ion:330 Resp: 102764

Ion Ratio Lower Upper

330 100

332 99.5 76.6 115.0

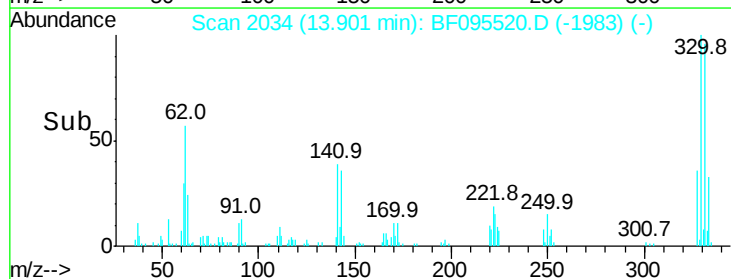
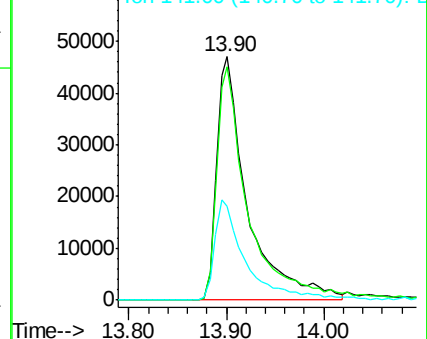
141 41.8 31.4 47.2

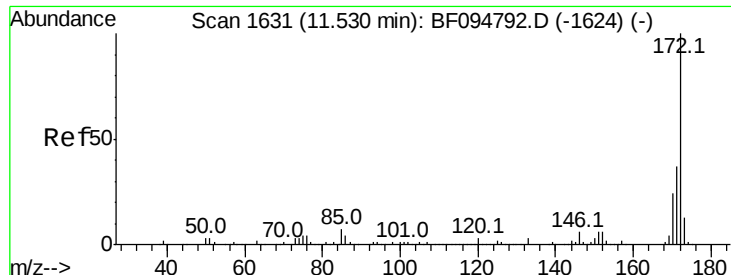


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

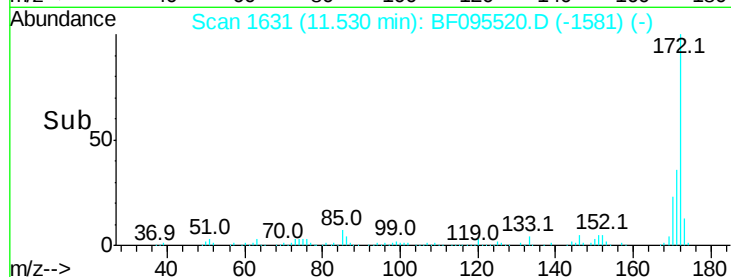
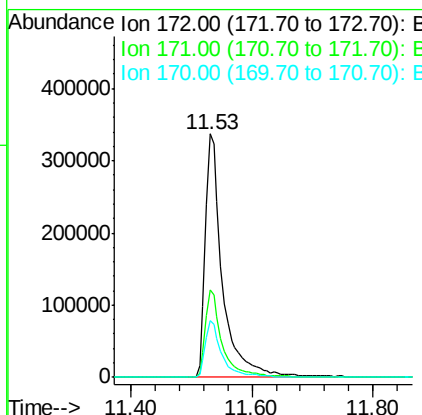
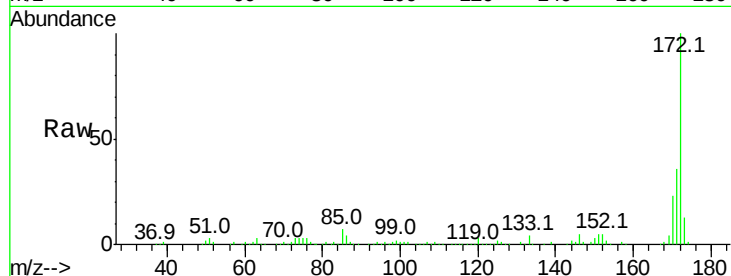




#44
2-Fluorobiphenyl
Concen: 62.75 ng
RT: 11.53 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BF095520.D
Acq: 28 May 2017 3:42

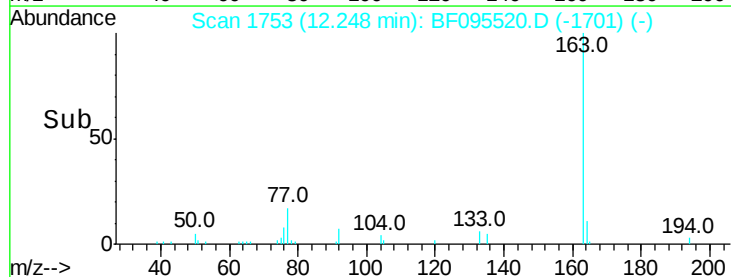
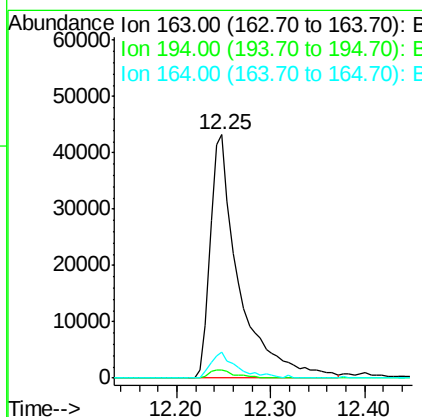
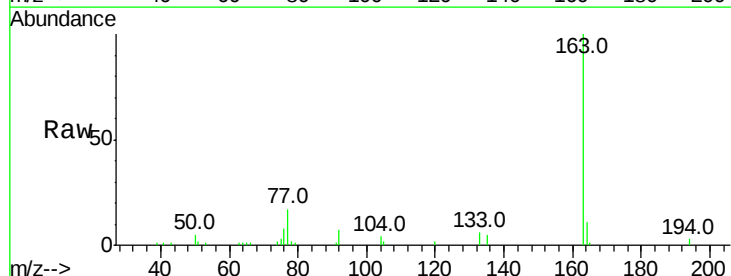
Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 674469
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 23.2 19.8 29.8



#49
Dimethylphthalate
Concen: 7.28 ng
RT: 12.25 min Scan# 1753
Delta R.T. 0.01 min
Lab File: BF095520.D
Acq: 28 May 2017 3:42

Tgt Ion:163 Resp: 92511
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.8 8.4 12.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.00 min Scan# 2221

Delta R.T. 0.00 min

Lab File: BF095520.D

Acq: 28 May 2017 3:42

Instrument :

BNA_F

ClientSampleId :

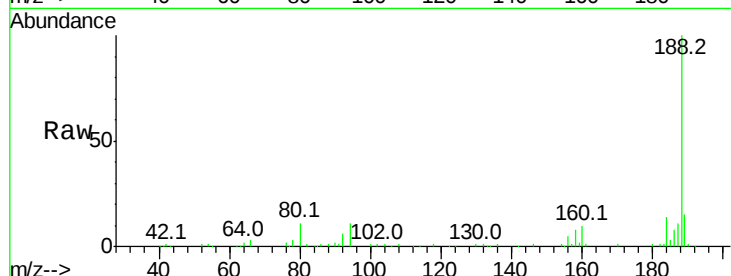
Tot Ion:188 Resp: 215550

Ion Ratio Lower Upper

188 100

94 10.7 9.4 14.2

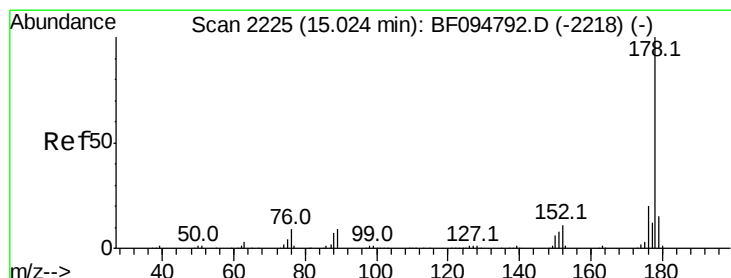
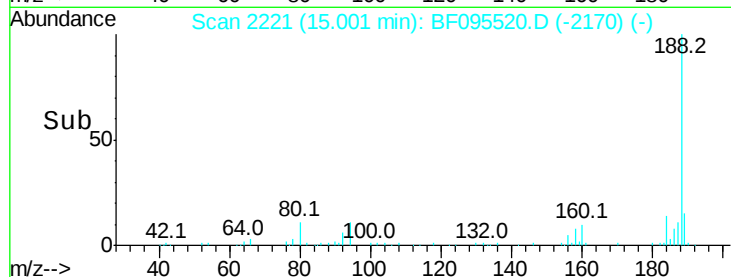
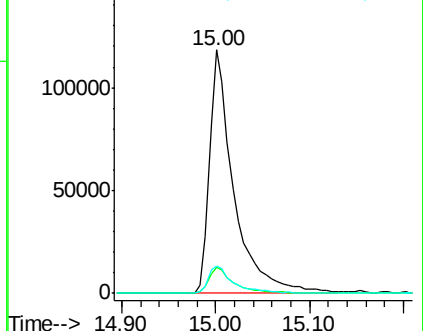
80 11.1 10.2 15.2



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: 5.28 ng

RT: 15.04 min Scan# 2228

Delta R.T. 0.00 min

Lab File: BF095520.D

Acq: 28 May 2017 3:42

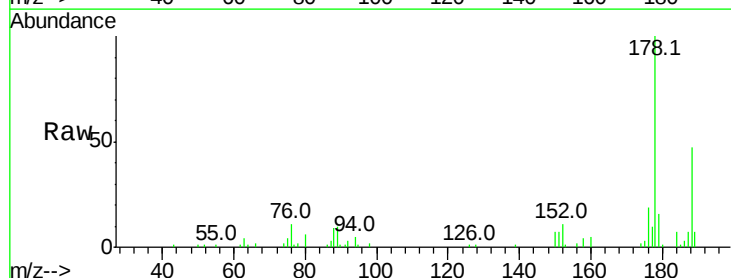
Tgt Ion:178 Resp: 65402

Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.4

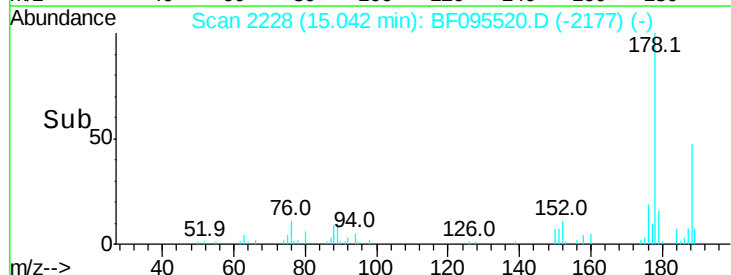
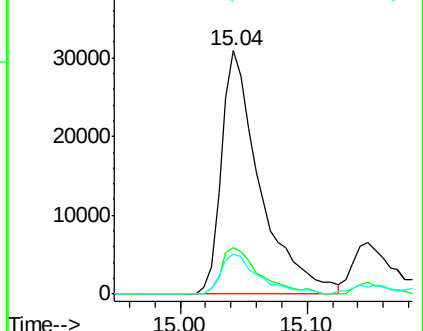
179 16.2 12.6 19.0

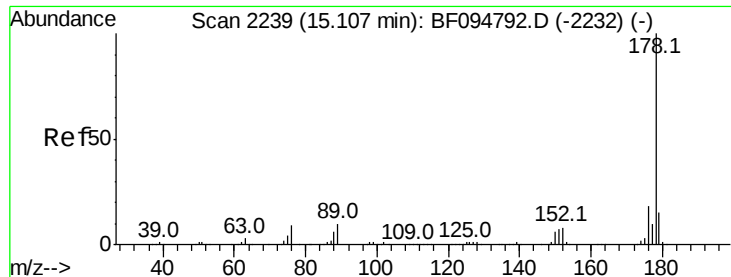


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

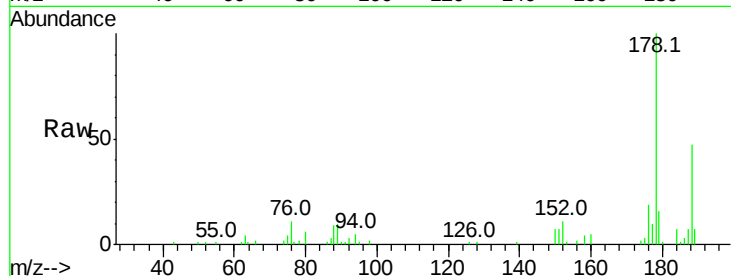




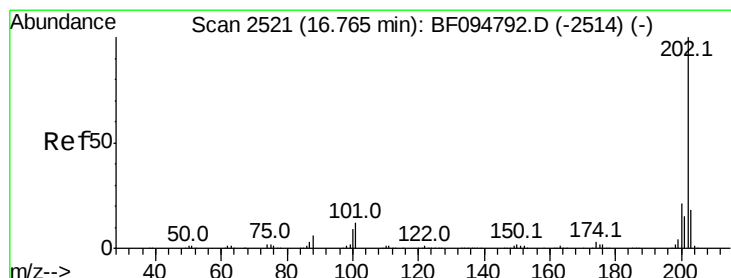
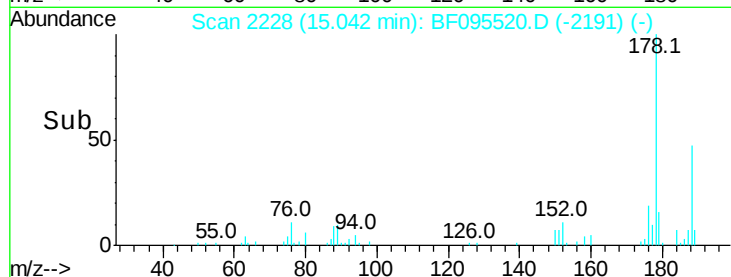
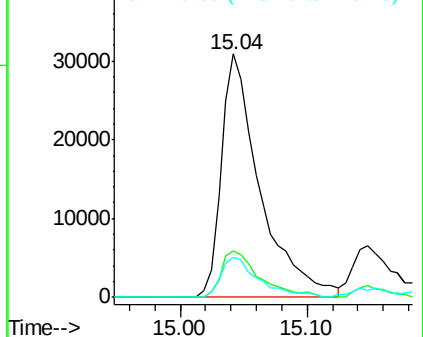
#71
 Anthracene
 Concen: 5.17 ng
 RT: 15.04 min Scan# 2228
 Delta R.T. -0.08 min
 Lab File: BF095520.D
 Acq: 28 May 2017 3:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 65402
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 16.2 12.7 19.1

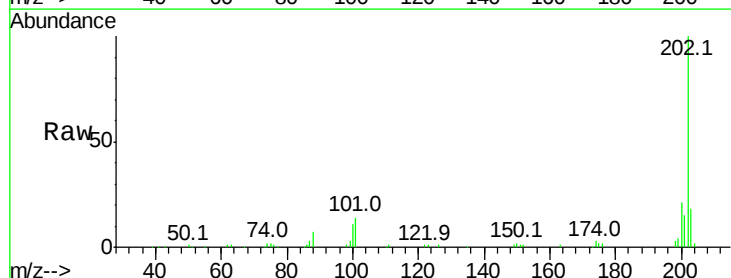


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

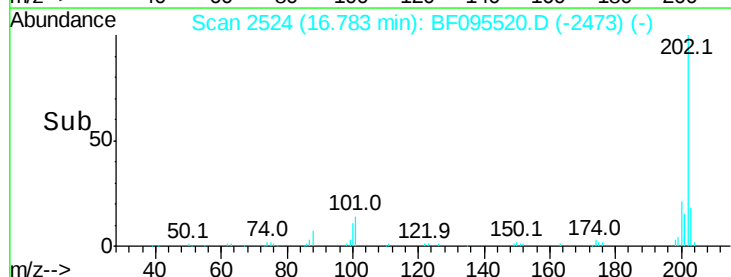
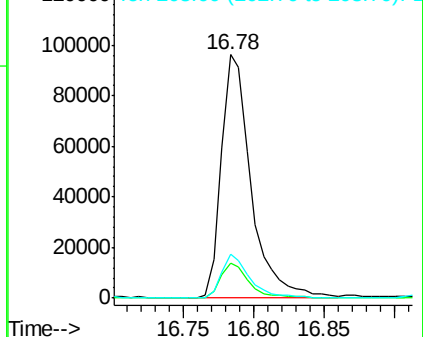


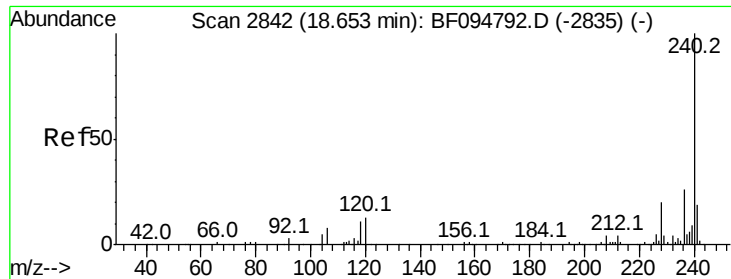
#74
 Fluoranthene
 Concen: 11.17 ng
 RT: 16.78 min Scan# 2524
 Delta R.T. 0.00 min
 Lab File: BF095520.D
 Acq: 28 May 2017 3:42

Tgt Ion:202 Resp: 141926
 Ion Ratio Lower Upper
 202 100
 101 14.3 0.0 33.2
 203 18.2 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: 18.67 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095520.D

Acq: 28 May 2017 3:42

Instrument :

BNA_F

ClientSampleId :

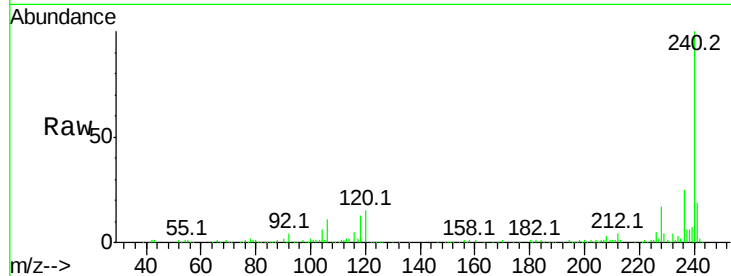
Tot Ion:240 Resp: 218446

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

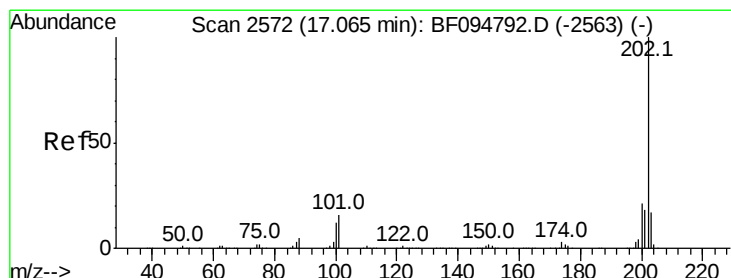
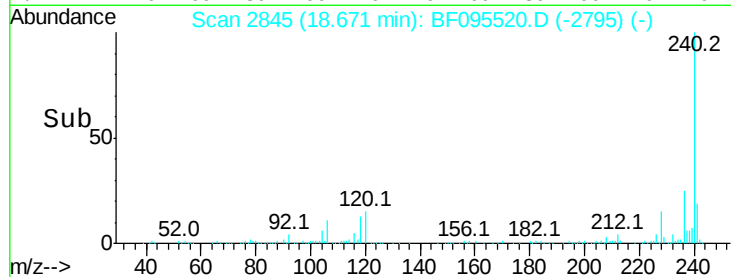
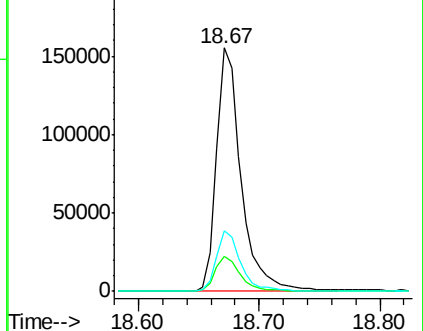
236 25.0 20.5 30.7



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: 8.24 ng

RT: 17.09 min Scan# 2576

Delta R.T. 0.00 min

Lab File: BF095520.D

Acq: 28 May 2017 3:42

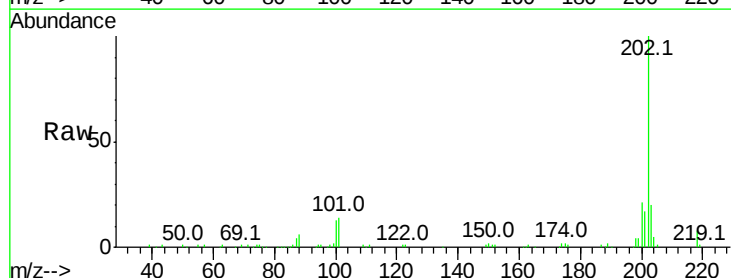
Tgt Ion:202 Resp: 134699

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

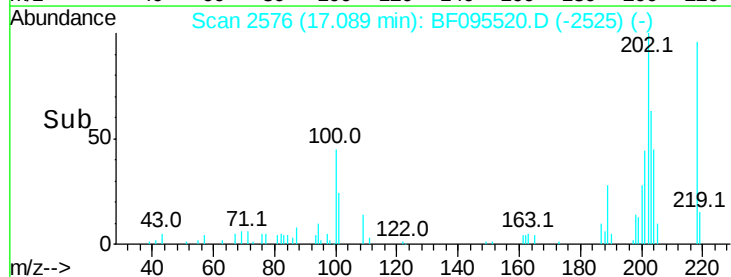
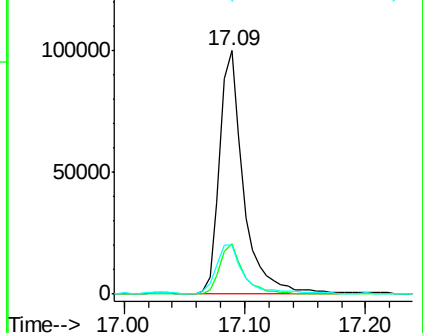
203 20.4 14.4 21.6



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

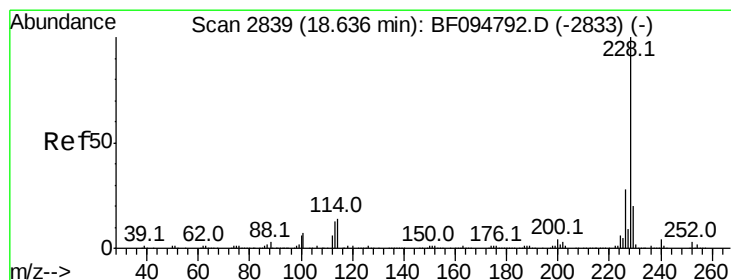
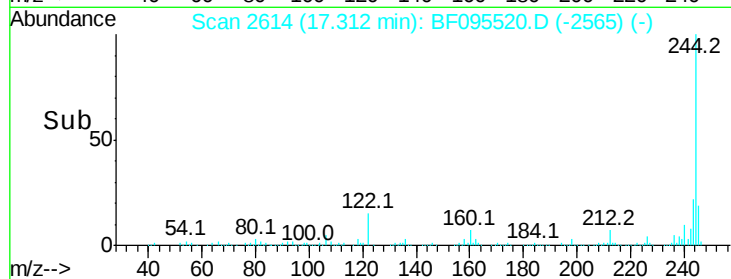
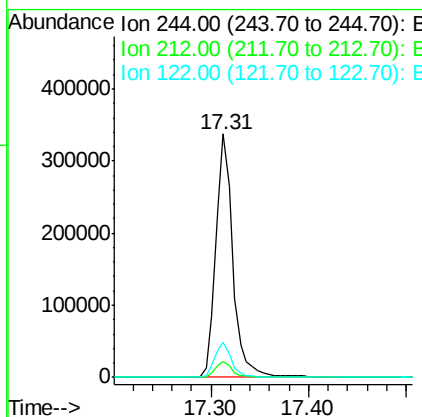
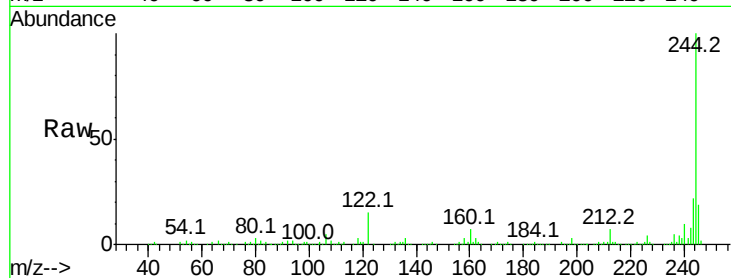




#78
 Terphenyl-d14
 Concen: 41.28 ng
 RT: 17.31 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BF095520.D
 Acq: 28 May 2017 3:42

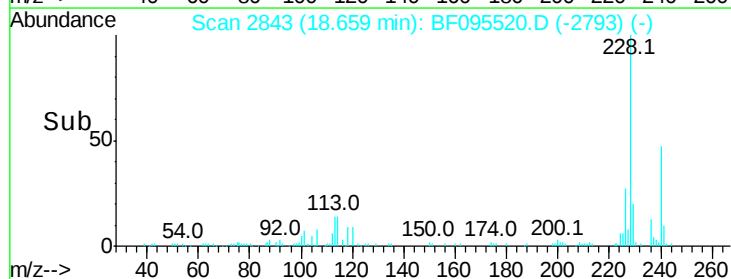
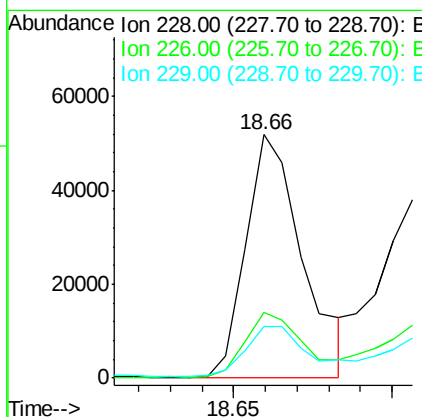
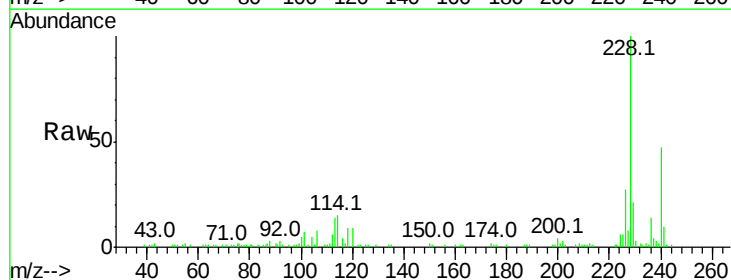
Instrument :
 BNA_F
 ClientSampleId :

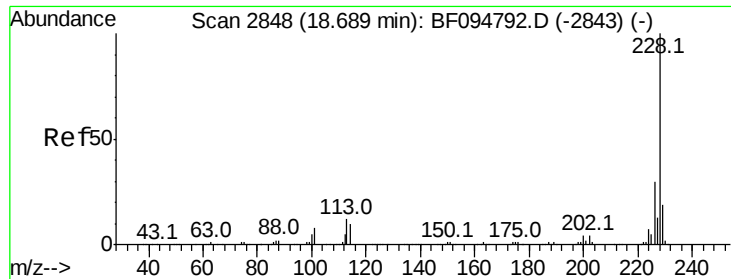
Tot Ion:244 Resp: 409424
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.0 9.0
 122 14.5 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 5.07 ng
 RT: 18.66 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BF095520.D
 Acq: 28 May 2017 3:42

Tgt Ion:228 Resp: 64477
 Ion Ratio Lower Upper
 228 100
 226 27.0 22.6 33.8
 229 21.0 16.3 24.5

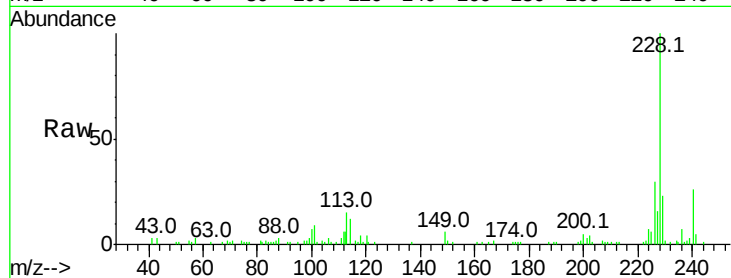




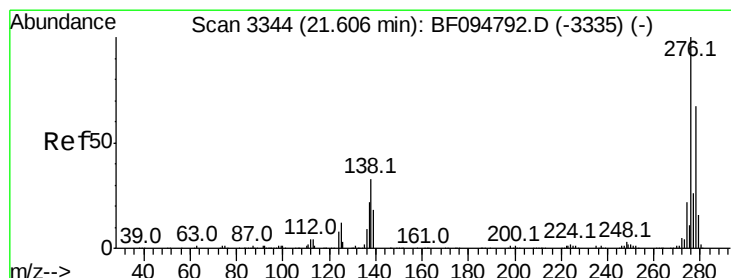
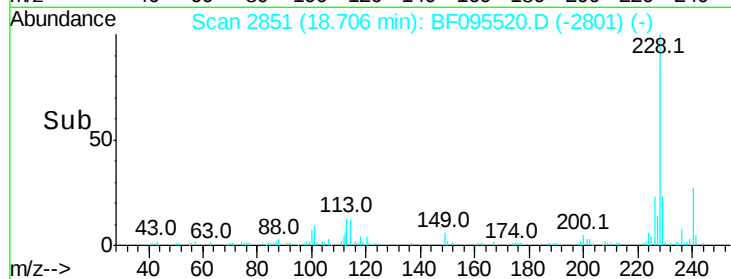
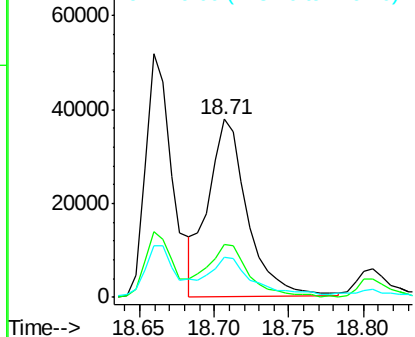
#82
Chrysene
Concen: 5.68 ng
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095520.D
Acq: 28 May 2017 3:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 69764
Ion Ratio Lower Upper
228 100
226 29.9 24.9 37.3
229 22.9 15.8 23.6

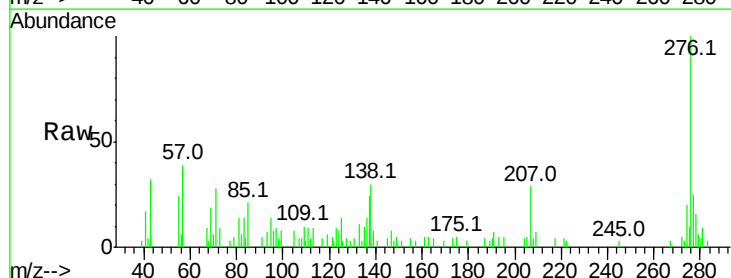


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

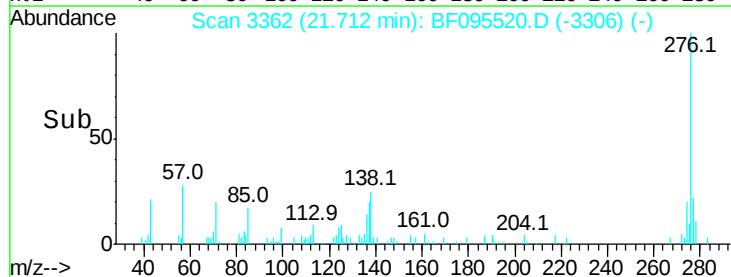
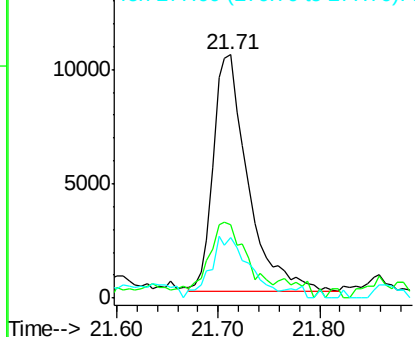


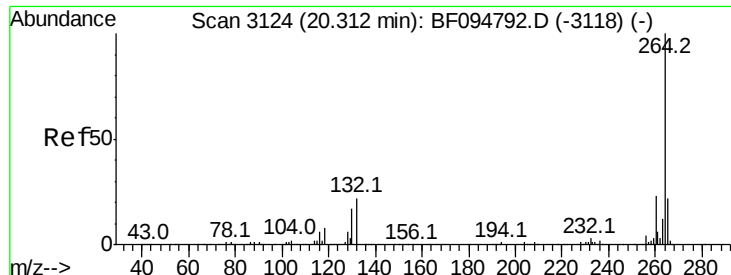
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.44 ng
RT: 21.71 min Scan# 3362
Delta R.T. 0.03 min
Lab File: BF095520.D
Acq: 28 May 2017 3:42

Tgt Ion:276 Resp: 24375
Ion Ratio Lower Upper
276 100
138 27.4 27.8 41.6#
277 29.2 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



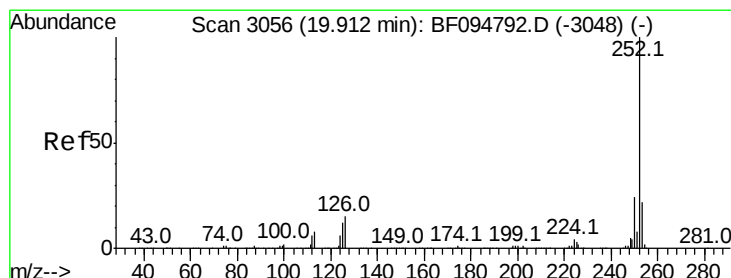
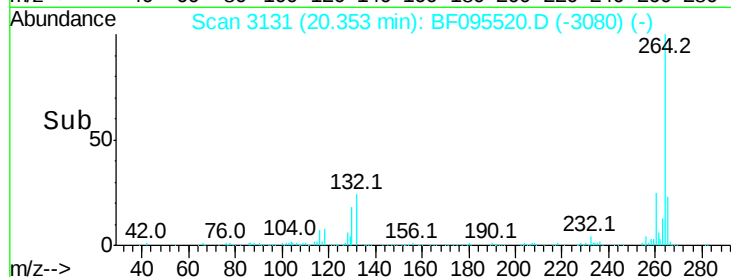
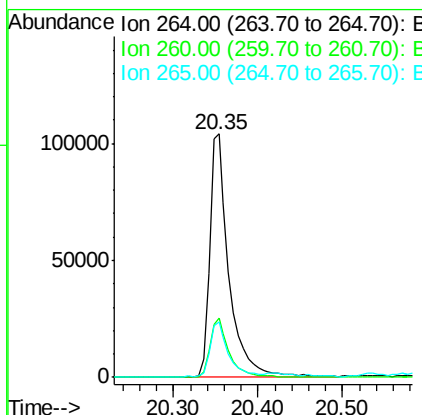
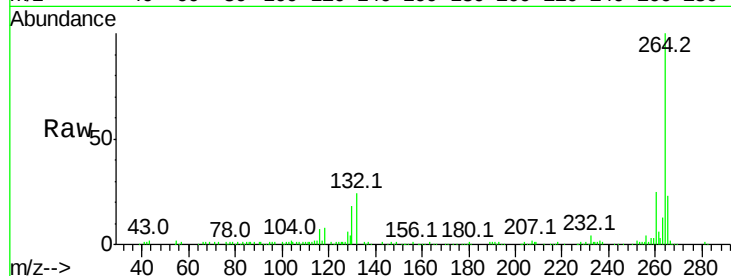


#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BF095520.D
Acq: 28 May 2017 3:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 167013

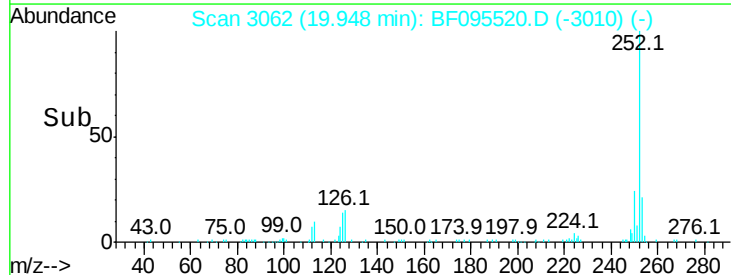
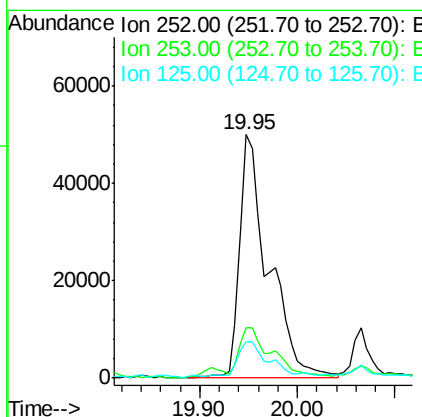
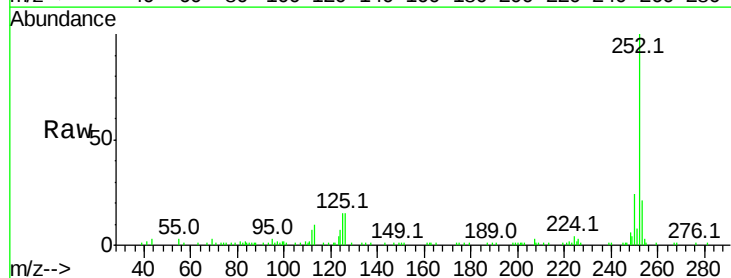
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	22.9	17.2	25.8

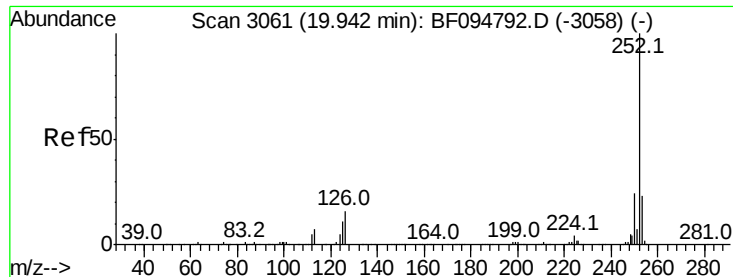


#87
Benzo(b)fluoranthene
Concen: 10.07 ng
RT: 19.95 min Scan# 3062
Delta R.T. 0.01 min
Lab File: BF095520.D
Acq: 28 May 2017 3:42

Tgt Ion:252 Resp: 103969

Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.1	27.1
125	14.7	9.8	14.8

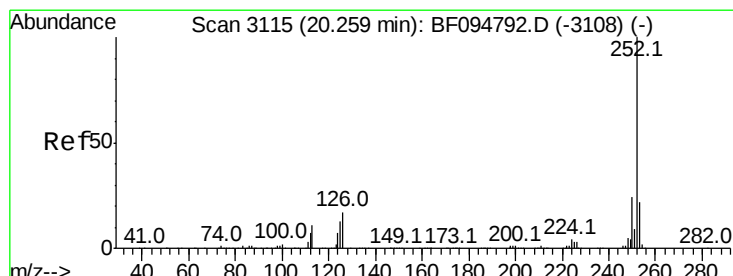
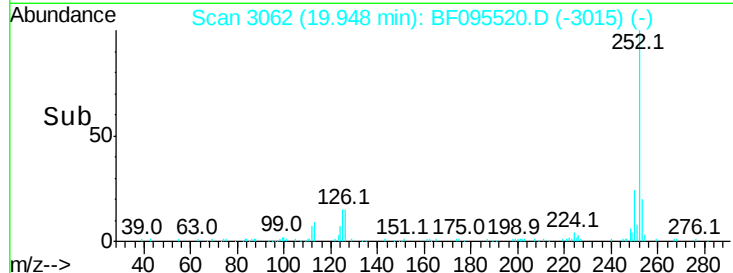
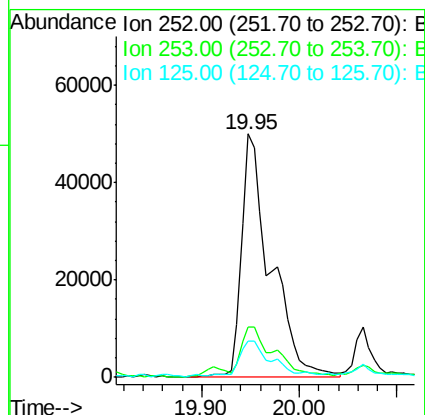
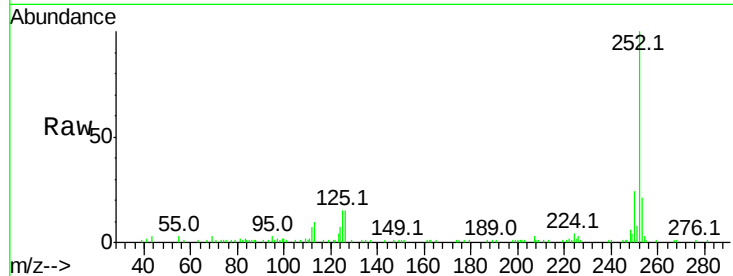




#88
Benzo(k)fluoranthene
Concen: 10.44 ng
RT: 19.95 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095520.D
Acq: 28 May 2017 3:42

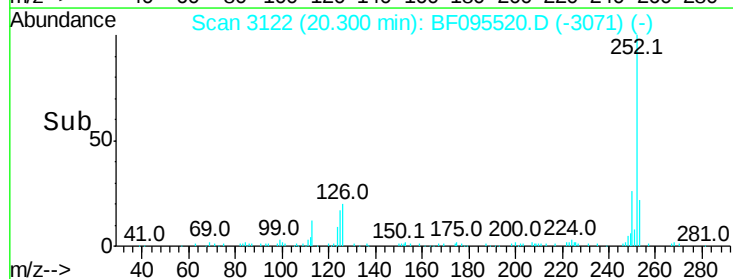
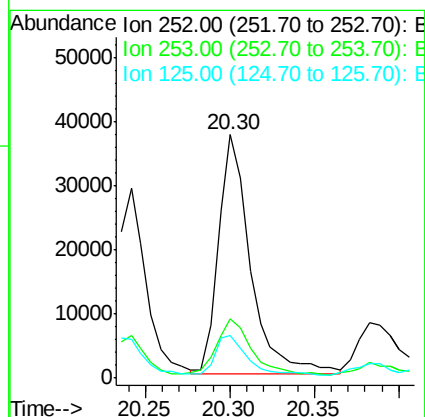
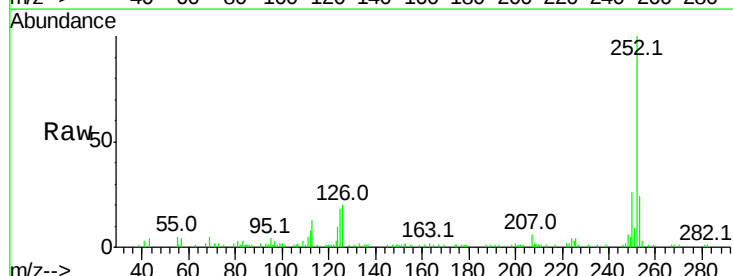
Instrument :
BNA_F
ClientSampleId :

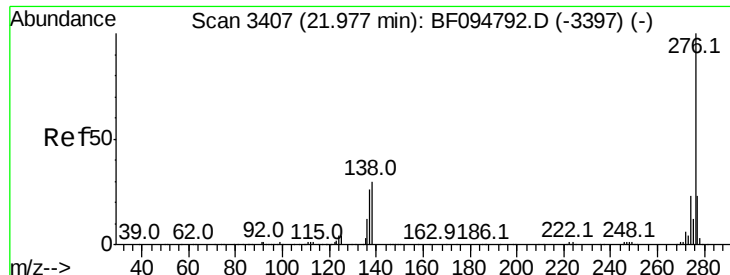
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.4	27.6
125	14.7	13.1	19.7



#89
Benzo(a)pyrene
Concen: 5.20 ng
RT: 20.30 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BF095520.D
Acq: 28 May 2017 3:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	17.7	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 3.32 ng

RT: 22.10 min Scan# 3428

Delta R.T. 0.03 min

Lab File: BF095520.D

Acq: 28 May 2017 3:42

Instrument :

BNA_F

ClientSampleId :

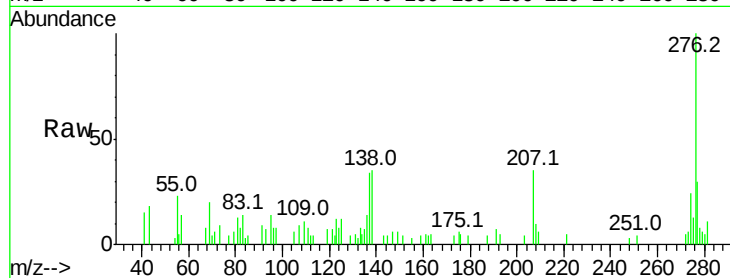
Tot Ion: 276 Resp: 25621

Ion Ratio Lower Upper

276 100

277 30.0 18.6 28.0#

138 34.6 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

