

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
 Data File : BF095528.D
 Acq On : 28 May 2017 9:51
 Operator : SJ/MA
 Sample : I3339-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 29 01:22:16 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

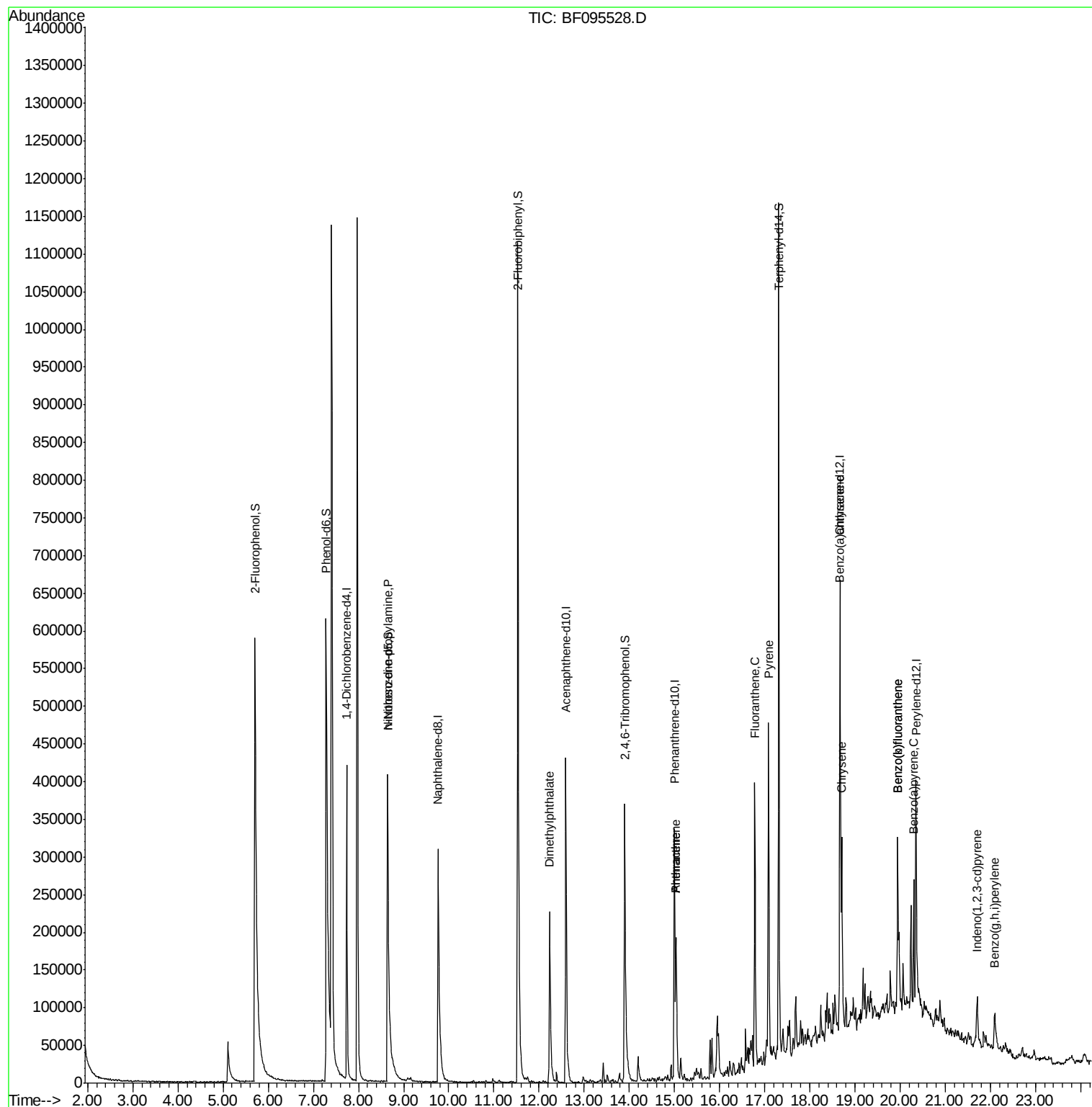
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	100319	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	383851	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	153963	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	224844	20.00	ng	0.00
75) Chrysene-d12	18.67	240	217714	20.00	ng	0.00
86) Perylene-d12	20.35	264	156943	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	575395	95.63	ng	0.00
7) Phenol-d6	7.28	99	700547	97.03	ng	-0.01
23) Nitrobenzene-d5	8.65	82	400430	65.78	ng	0.00
41) 2,4,6-Tribromophenol	13.90	330	96328	76.40	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	724576	67.74	ng	0.00
78) Terphenyl-d14	17.31	244	433266	43.83	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.65	70	42762	8.76	ng	Qvalue # 77
49) Dimethylphthalate	12.24	163	217212	17.19	ng	98
70) Phenanthrene	15.04	178	130201	10.08	ng	99
71) Anthracene	15.04	178	130201	9.87	ng	99
74) Fluoranthene	16.78	202	224865	16.97	ng	98
77) Pyrene	17.08	202	224496	13.79	ng	96
80) Benzo(a)anthracene	18.66	228	114260	9.02	ng	98
82) Chrysene	18.71	228	129039	10.53	ng	99
85) Indeno(1,2,3-cd)pyrene	21.70	276	41786	4.20	ng	96
87) Benzo(b)fluoranthene	19.95	252	176273	18.18	ng	# 95
88) Benzo(k)fluoranthene	19.95	252	176273	18.84	ng	98
89) Benzo(a)pyrene	20.30	252	81108	9.06	ng	93
91) Benzo(a,h,i)perylene	22.09	276	44822	6.18	ng	97

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

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QLast Update : Fri May 26 16:50:16 2017
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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: BF095528.D

Acq: 28 May 2017 9:51

Instrument :

BNA_F

ClientSampleId :

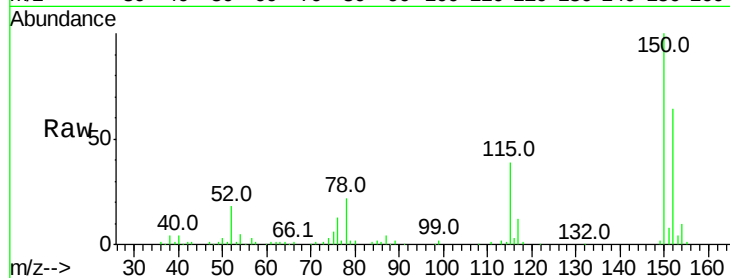
Tot Ion:152 Resp: 100319

Ion Ratio Lower Upper

152 100

150 156.6 126.2 189.2

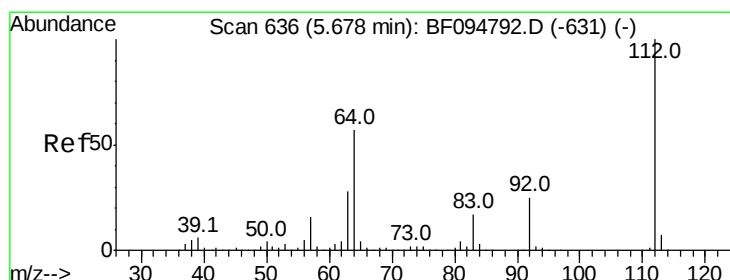
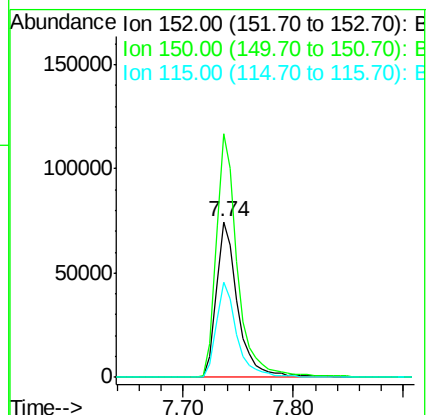
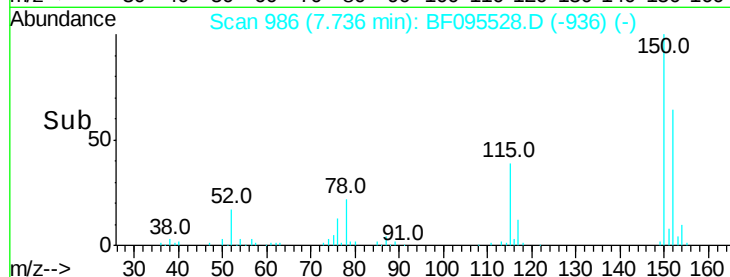
115 60.9 52.2 78.2



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: 95.63 ng

RT: 5.71 min Scan# 641

Delta R.T. 0.00 min

Lab File: BF095528.D

Acq: 28 May 2017 9:51

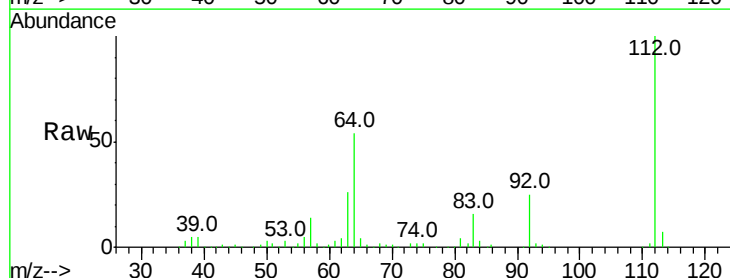
Tgt Ion:112 Resp: 575395

Ion Ratio Lower Upper

112 100

64 53.6 46.0 69.0

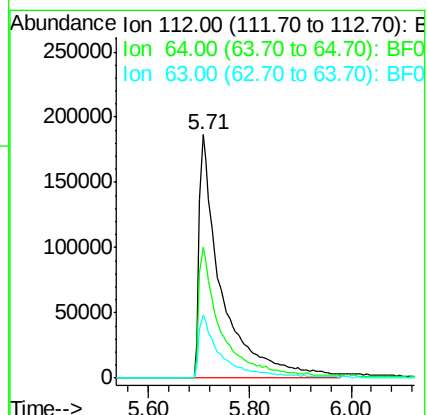
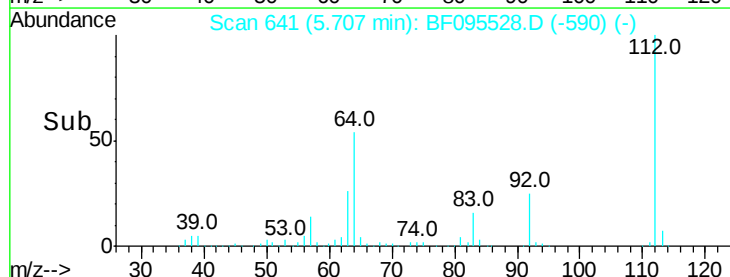
63 25.7 23.4 35.0



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: 97.03 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095528.D

Acq: 28 May 2017 9:51

Instrument :

BNA_F

ClientSampleId :

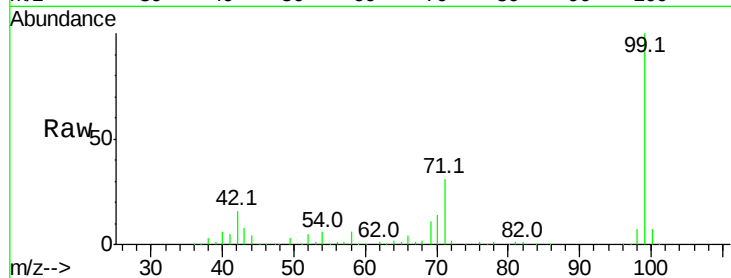
Tot Ion: 99 Resp: 700547

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

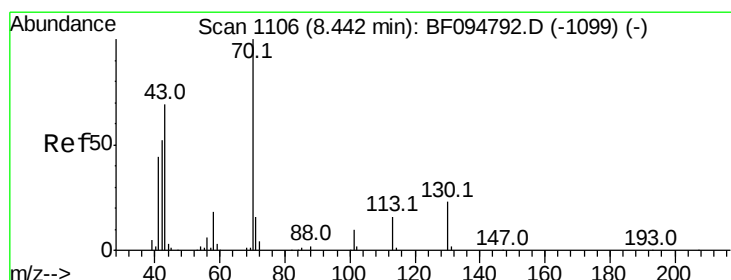
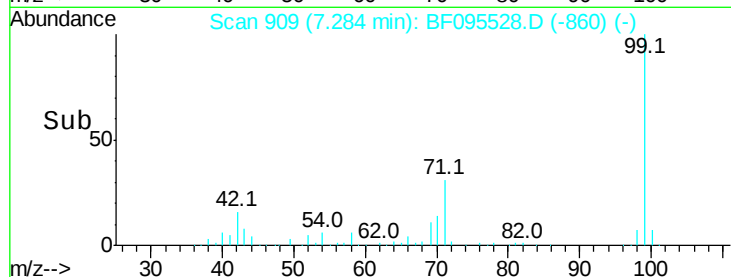
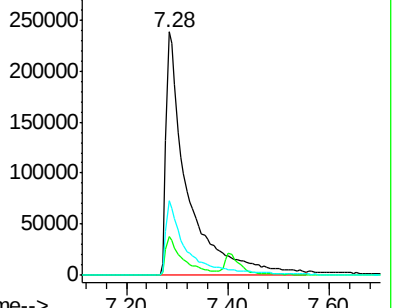
71 30.7 24.5 36.7



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: 8.76 ng

RT: 8.65 min Scan# 1141

Delta R.T. 0.19 min

Lab File: BF095528.D

Acq: 28 May 2017 9:51

Tgt Ion: 70 Resp: 42762

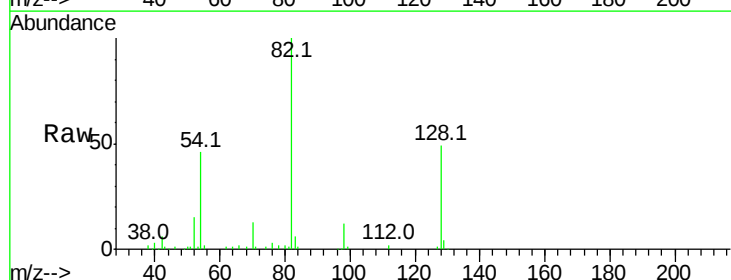
Ion Ratio Lower Upper

70 100

42 46.2 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

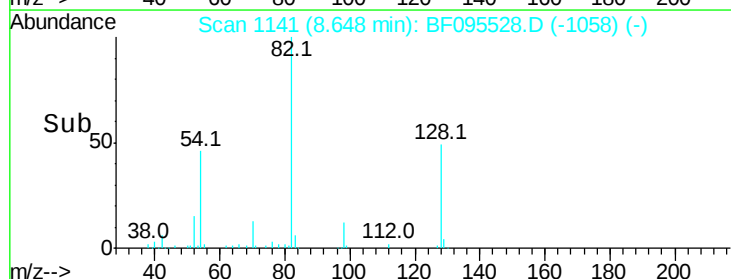
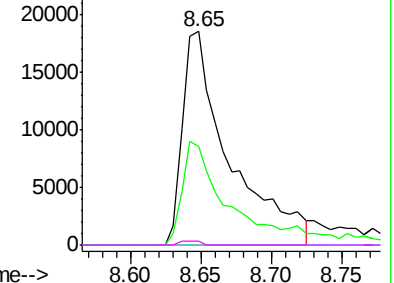


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF095528.D

Acq: 28 May 2017 9:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 383851

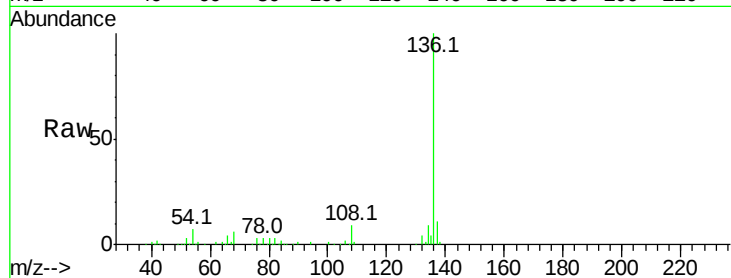
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.8 4.9 7.3

68 6.1 4.1 6.1

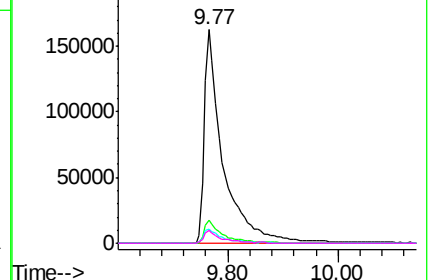
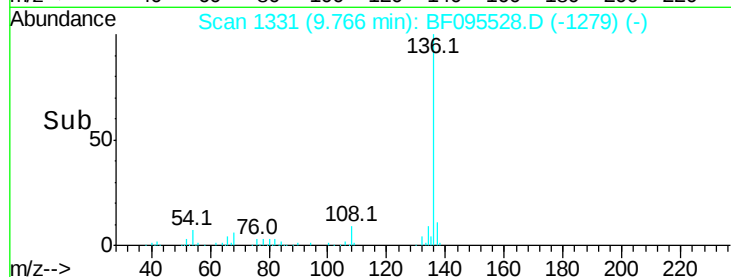


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.78 ng

RT: 8.65 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF095528.D

Acq: 28 May 2017 9:51

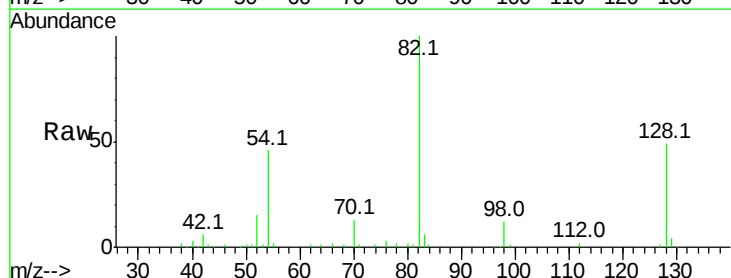
Tgt Ion: 82 Resp: 400430

Ion Ratio Lower Upper

82 100

128 48.8 34.0 51.0

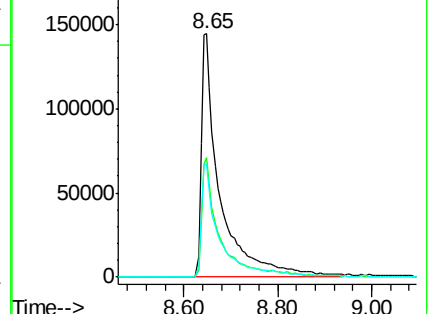
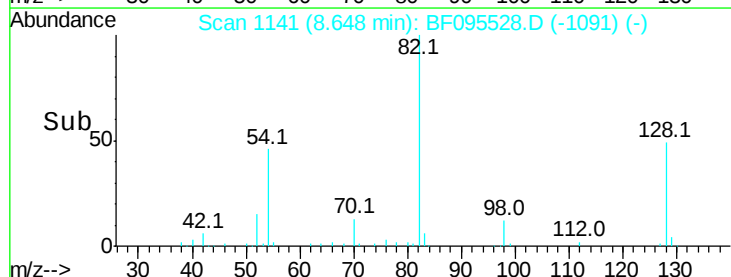
54 46.3 42.2 63.2

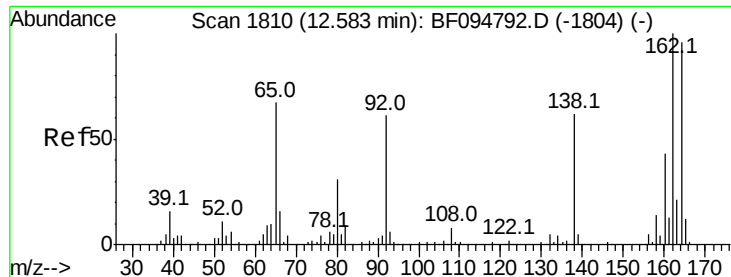


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.59 min Scan# 1812

Delta R.T. 0.00 min

Lab File: BF095528.D

Acq: 28 May 2017 9:51

Instrument :

BNA_F

ClientSampleId :

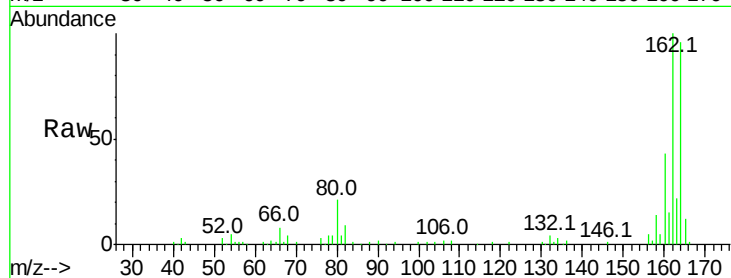
Tot Ion:164 Resp: 153963

Ion Ratio Lower Upper

164 100

162 103.7 82.6 123.8

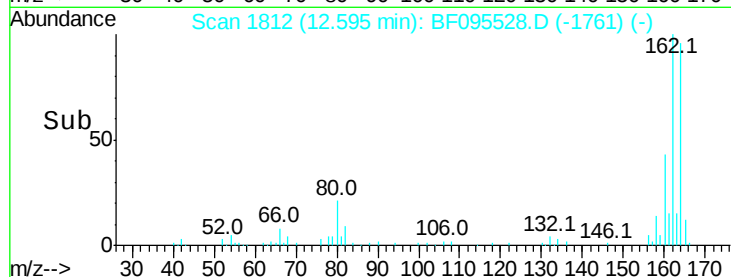
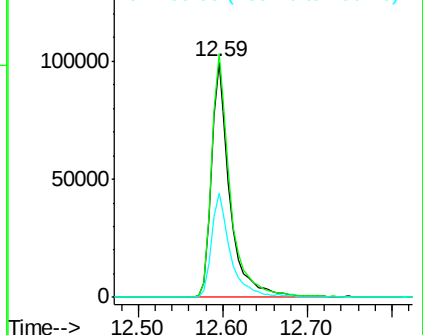
160 44.6 36.2 54.2



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: 76.40 ng

RT: 13.90 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF095528.D

Acq: 28 May 2017 9:51

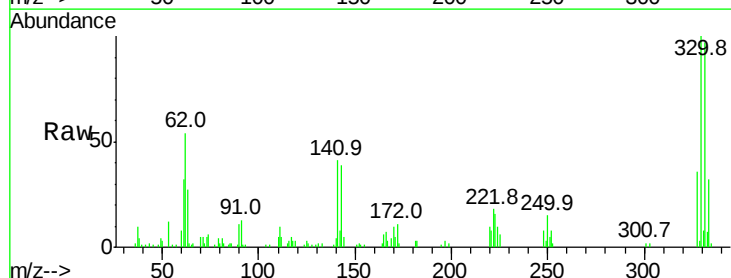
Tgt Ion:330 Resp: 96328

Ion Ratio Lower Upper

330 100

332 97.3 76.6 115.0

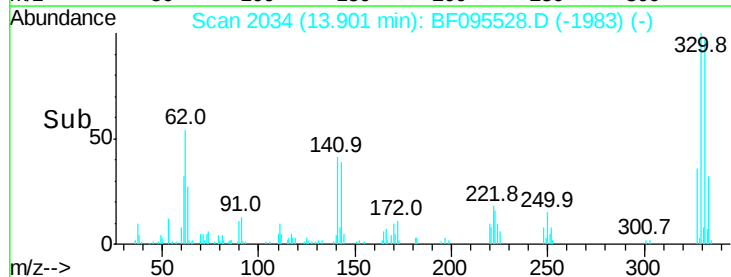
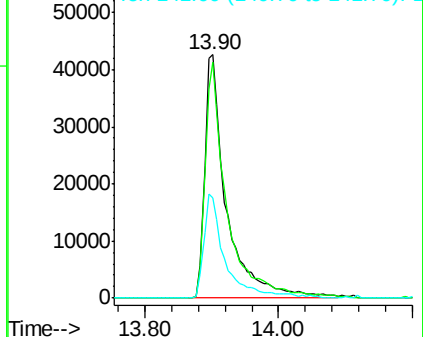
141 41.2 31.4 47.2

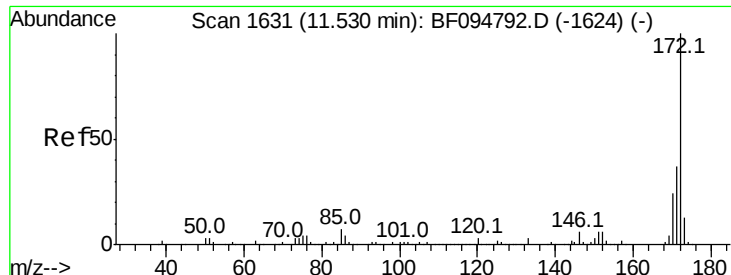


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

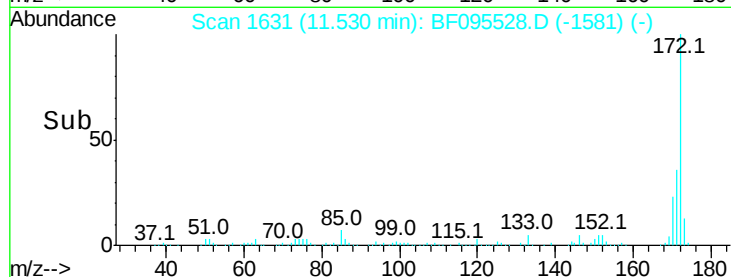
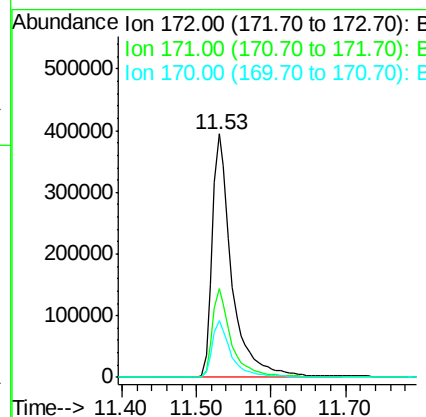
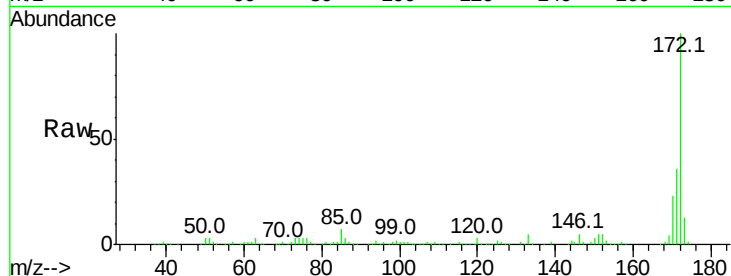




#44
 2-Fluorobiphenyl
 Concen: 67.74 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BF095528.D
 Acq: 28 May 2017 9:51

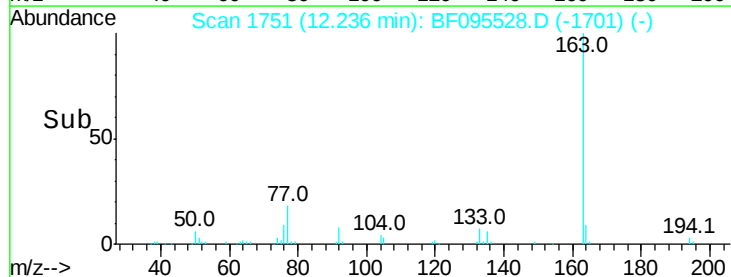
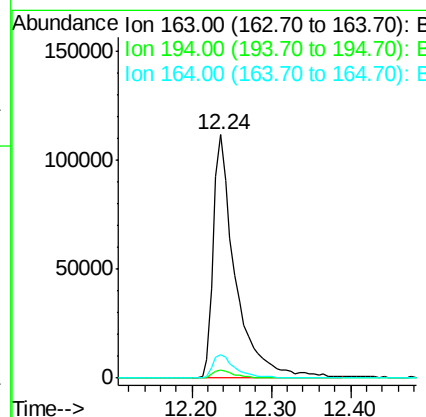
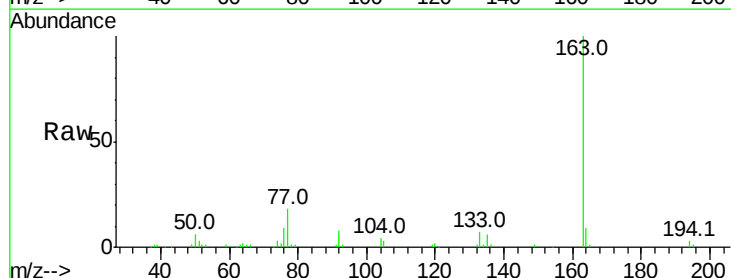
Instrument :
 BNA_F
 ClientSampled :

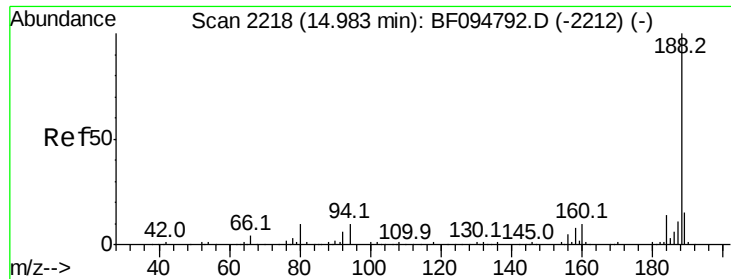
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	23.4	19.8	29.8



#49
 Dimethylphthalate
 Concen: 17.19 ng
 RT: 12.24 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BF095528.D
 Acq: 28 May 2017 9:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	9.4	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: BF095528.D

Acq: 28 May 2017 9:51

Instrument :

BNA_F

ClientSampleId :

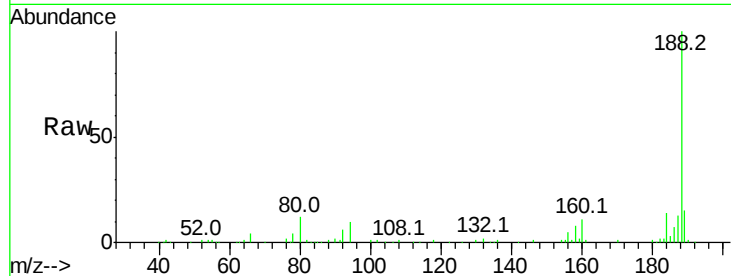
Tot Ion:188 Resp: 224844

Ion Ratio Lower Upper

188 100

94 10.2 9.4 14.2

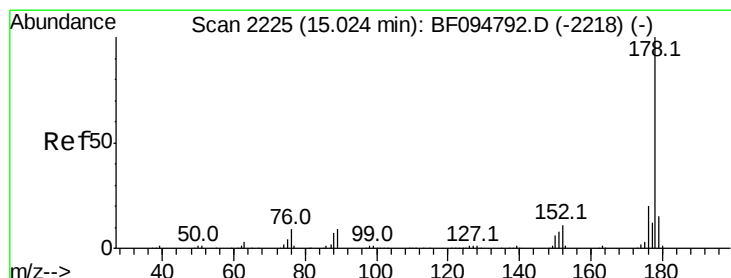
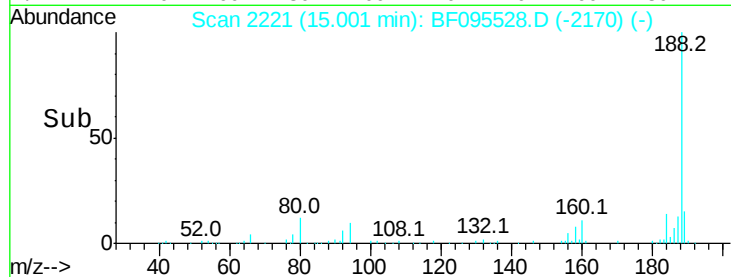
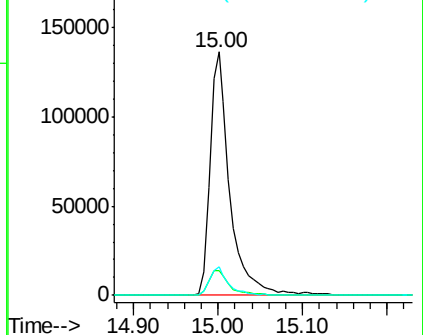
80 11.8 10.2 15.2



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: 10.08 ng

RT: 15.04 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BF095528.D

Acq: 28 May 2017 9:51

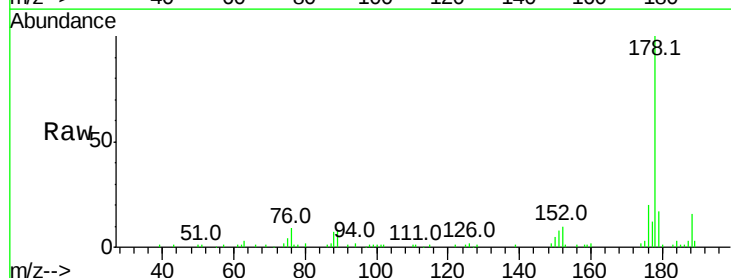
Tgt Ion:178 Resp: 130201

Ion Ratio Lower Upper

178 100

176 20.3 16.2 24.4

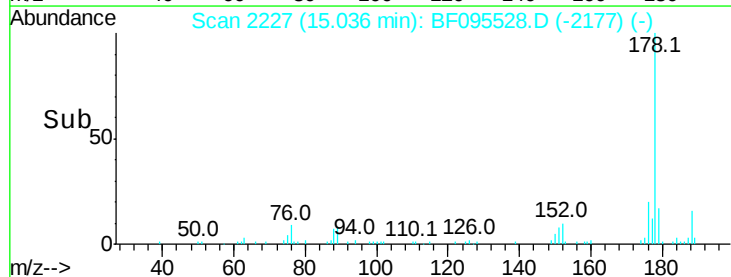
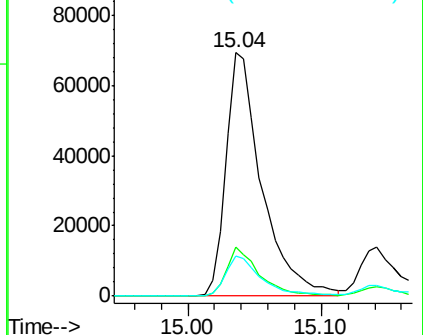
179 16.5 12.6 19.0

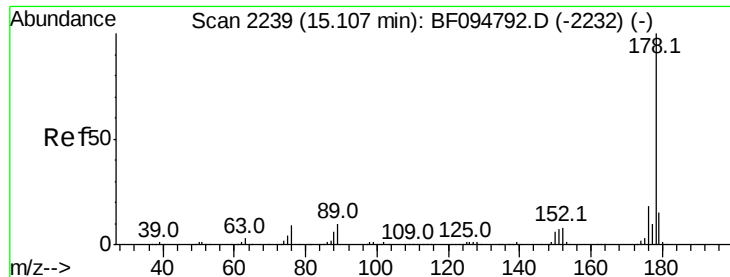


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

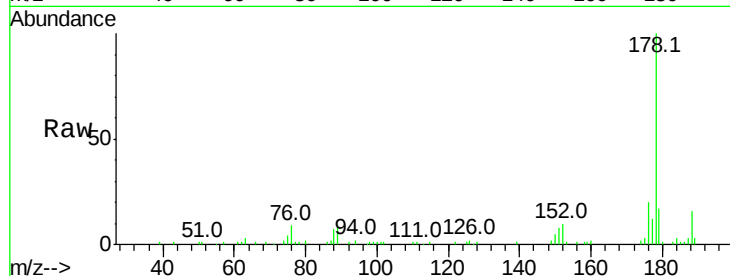




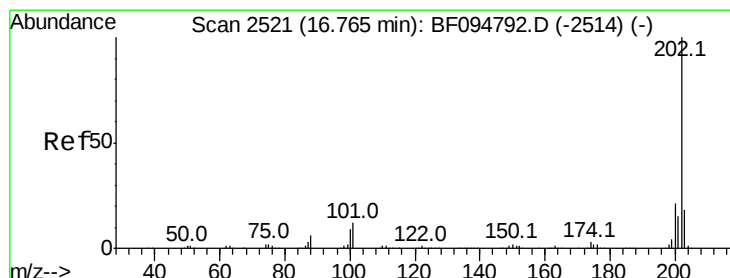
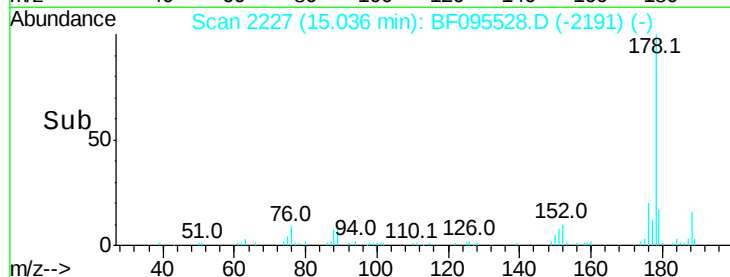
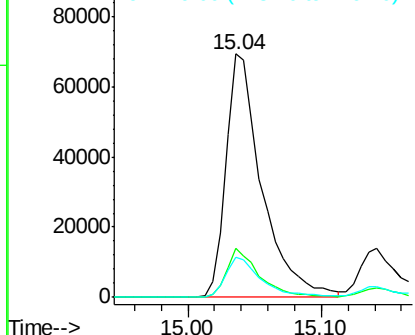
#71
 Anthracene
 Concen: 9.87 ng
 RT: 15.04 min Scan# 2227
 Delta R.T. -0.09 min
 Lab File: BF095528.D
 Acq: 28 May 2017 9:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.8	23.8
179	16.5	12.7	19.1

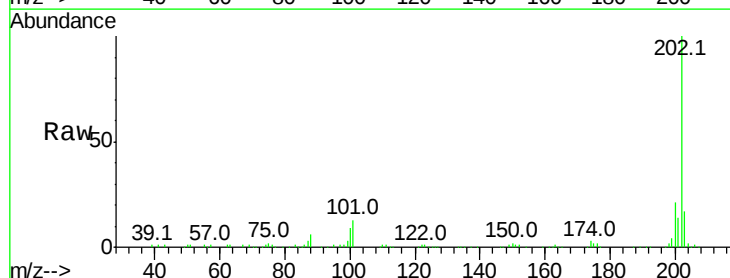


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

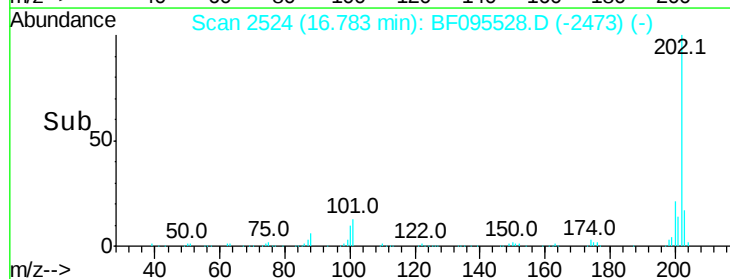
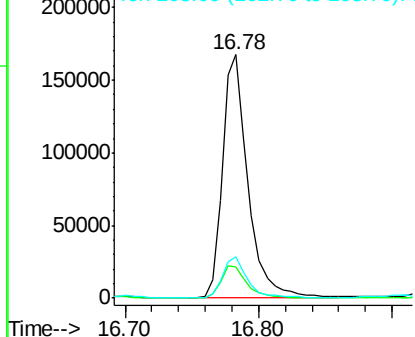


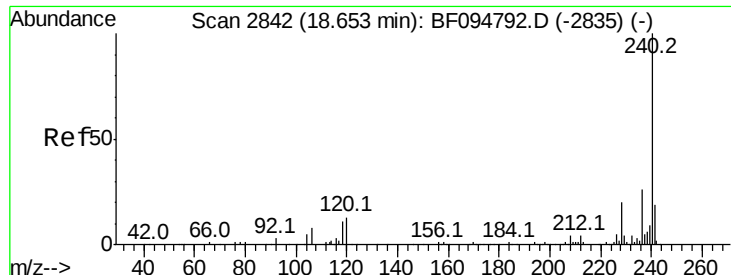
#74
 Fluoranthene
 Concen: 16.97 ng
 RT: 16.78 min Scan# 2524
 Delta R.T. 0.00 min
 Lab File: BF095528.D
 Acq: 28 May 2017 9:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.2
203	16.8	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: BF095528.D

Acq: 28 May 2017 9:51

Instrument :

BNA_F

ClientSampleId :

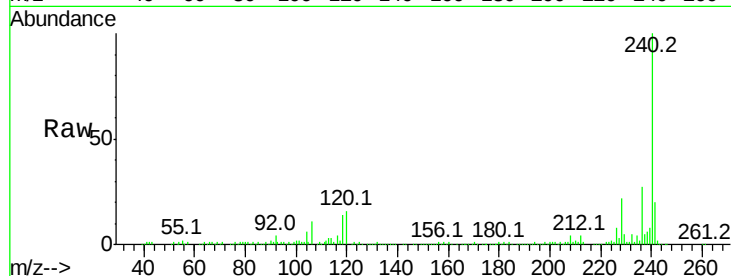
Tot Ion:240 Resp: 217714

Ion Ratio Lower Upper

240 100

120 15.7 5.8 8.8#

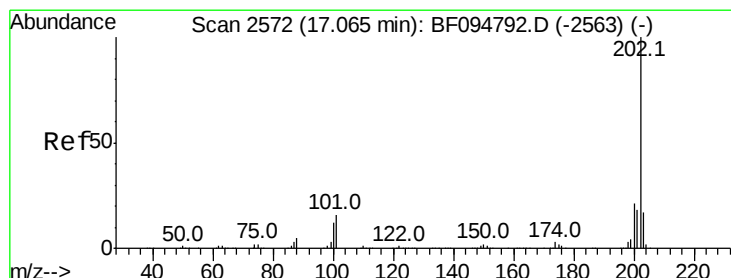
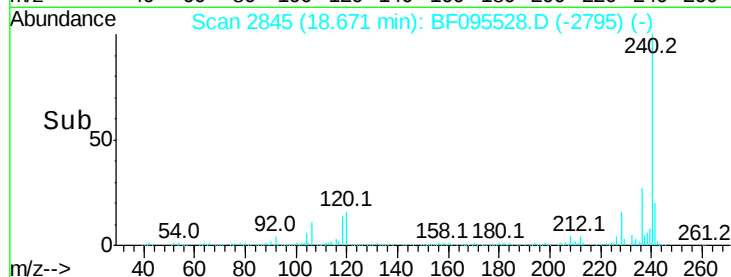
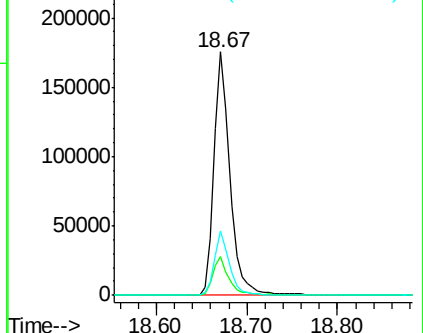
236 26.6 20.5 30.7



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: 13.79 ng

RT: 17.08 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BF095528.D

Acq: 28 May 2017 9:51

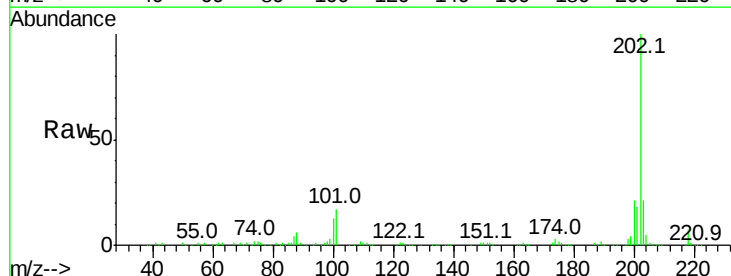
Tgt Ion:202 Resp: 224496

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

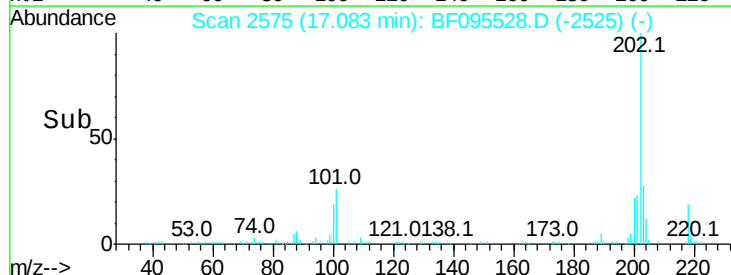
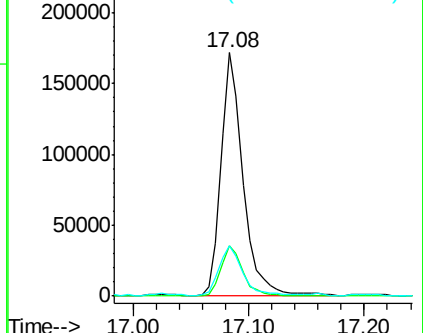
203 20.7 14.4 21.6



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

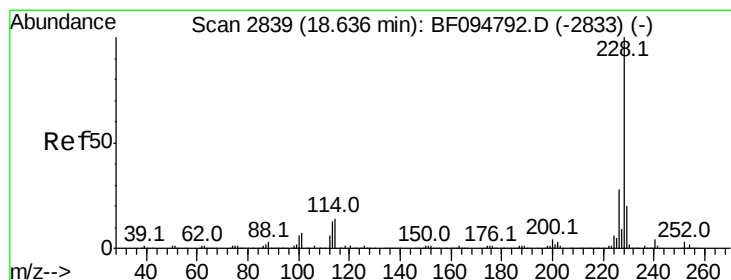
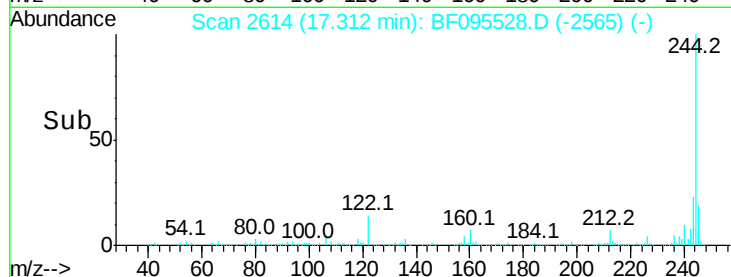
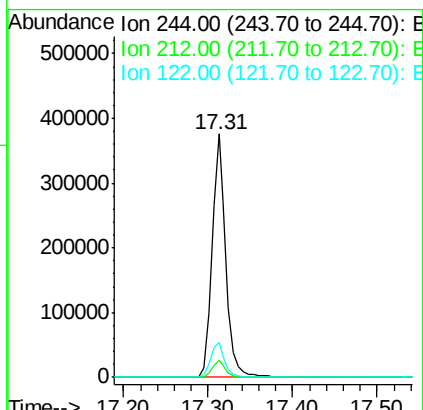
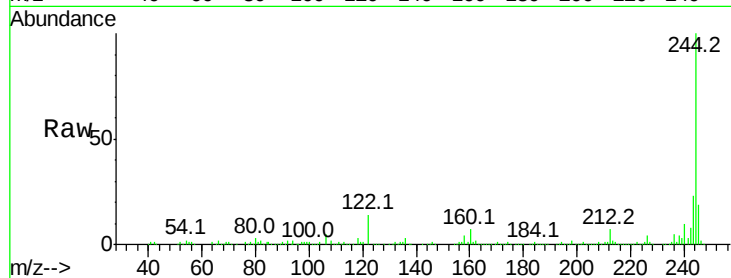




#78
 Terphenyl-d14
 Concen: 43.83 ng
 RT: 17.31 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BF095528.D
 Acq: 28 May 2017 9:51

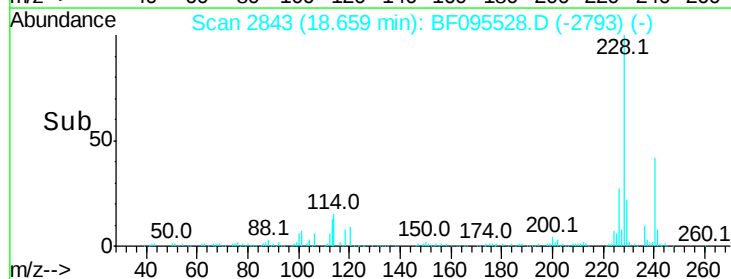
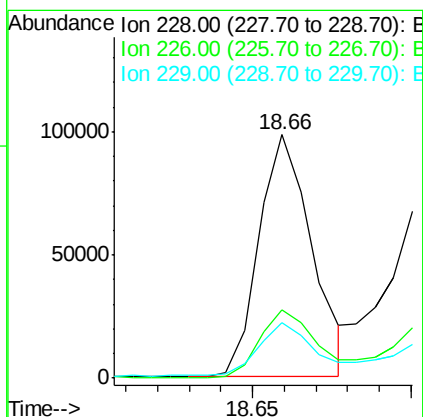
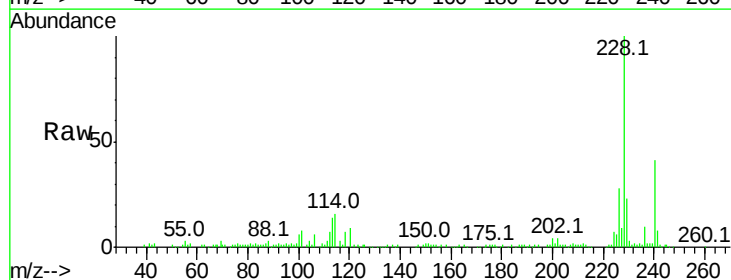
Instrument :
 BNA_F
 ClientSampleId :

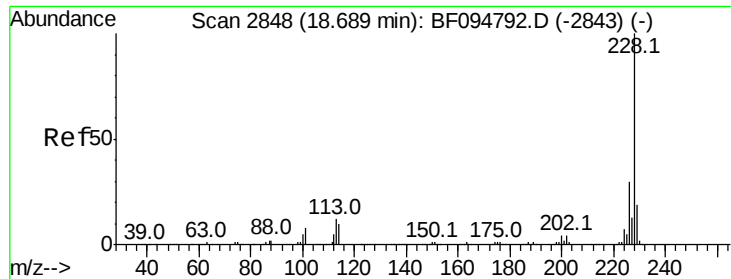
Tot Ion:244 Resp: 433266
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 14.1 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 9.02 ng
 RT: 18.66 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BF095528.D
 Acq: 28 May 2017 9:51

Tgt Ion:228 Resp: 114260
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.6 33.8
 229 22.8 16.3 24.5





#82

Chrysene

Concen: 10.53 ng

RT: 18.71 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BF095528.D

Acq: 28 May 2017 9:51

Instrument :

BNA_F

ClientSampled :

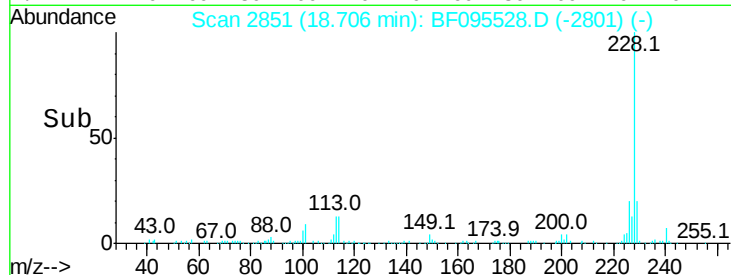
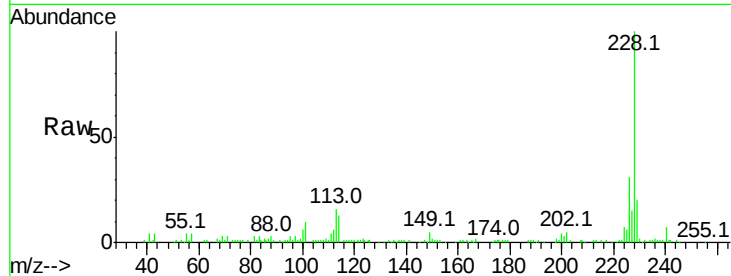
Tot Ion:228 Resp: 129039

Ion Ratio Lower Upper

228 100

226 31.4 24.9 37.3

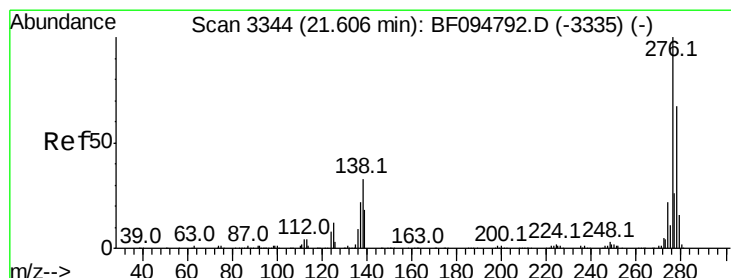
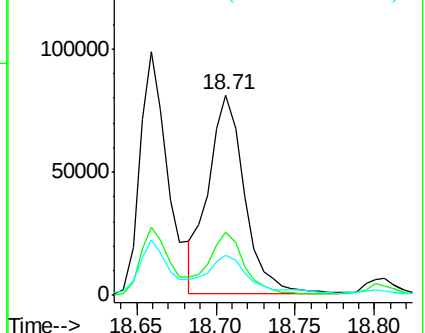
229 20.1 15.8 23.6



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: 4.20 ng

RT: 21.70 min Scan# 3360

Delta R.T. 0.02 min

Lab File: BF095528.D

Acq: 28 May 2017 9:51

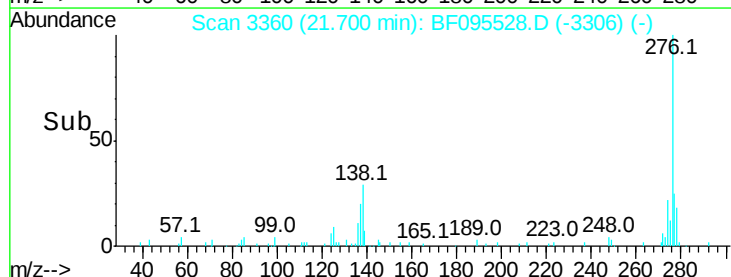
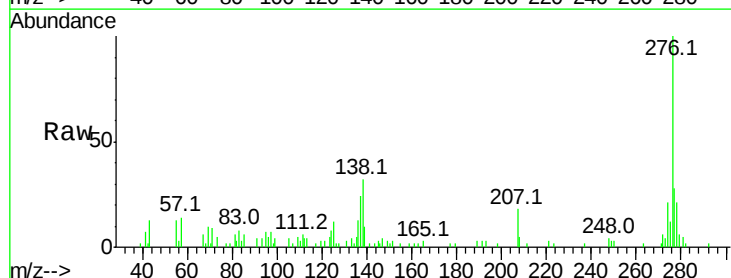
Tgt Ion:276 Resp: 41786

Ion Ratio Lower Upper

276 100

138 34.8 27.8 41.6

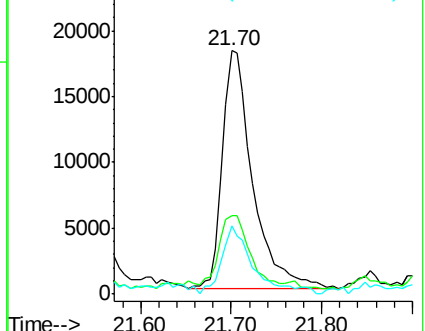
277 29.8 20.2 30.4

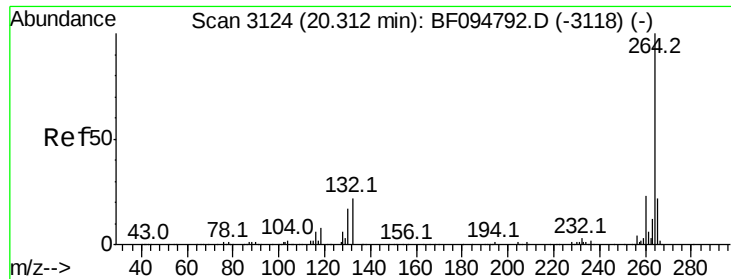


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

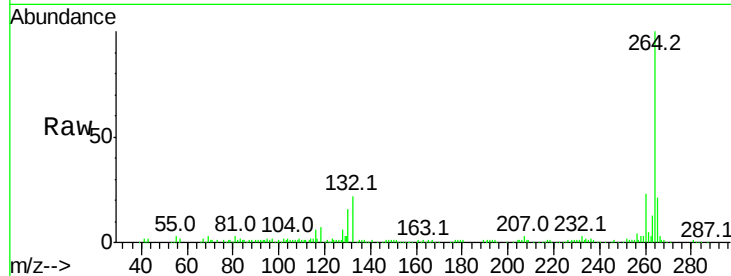




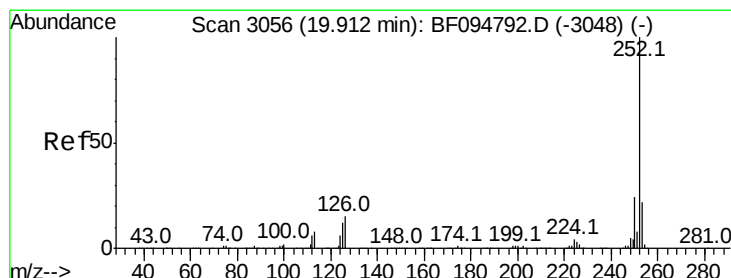
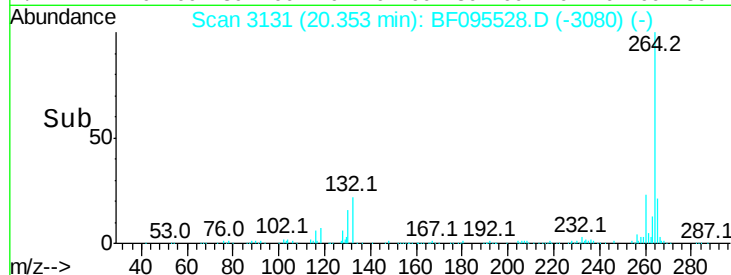
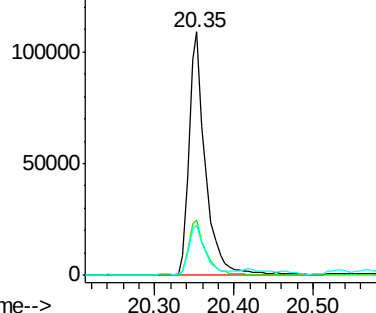
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BF095528.D
Acq: 28 May 2017 9:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 156943
Ion Ratio Lower Upper
264 100
260 22.6 19.5 29.3
265 20.8 17.2 25.8

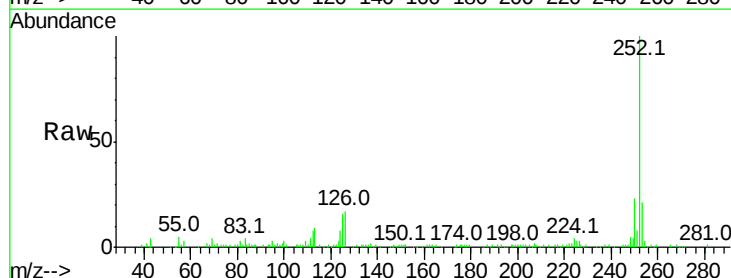


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

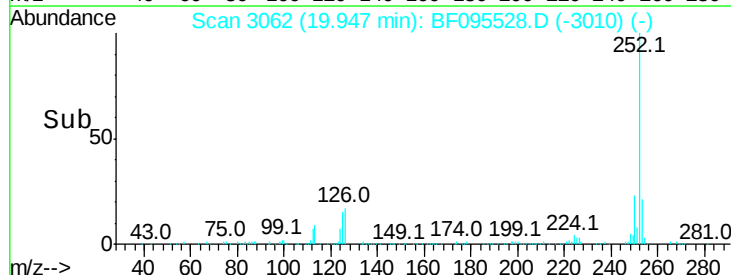
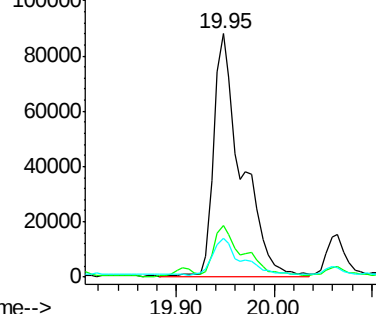


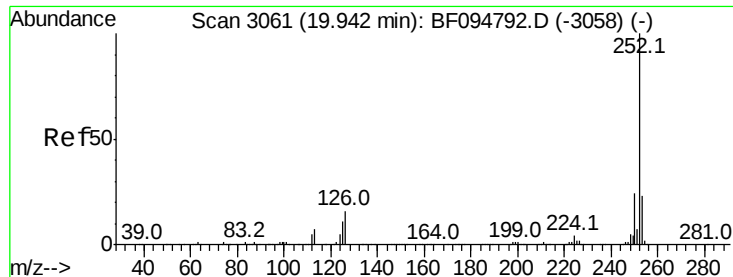
#87
Benzo(b)fluoranthene
Concen: 18.18 ng
RT: 19.95 min Scan# 3062
Delta R.T. 0.01 min
Lab File: BF095528.D
Acq: 28 May 2017 9:51

Tgt Ion:252 Resp: 176273
Ion Ratio Lower Upper
252 100
253 21.1 18.1 27.1
125 16.2 9.8 14.8#



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

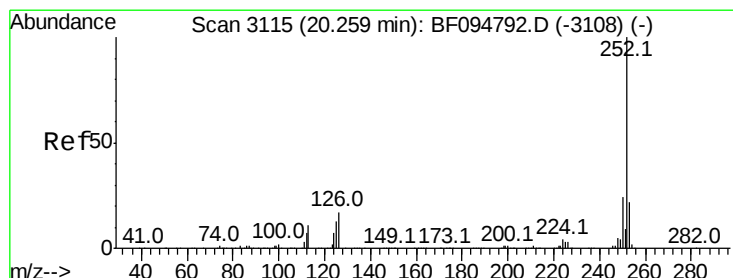
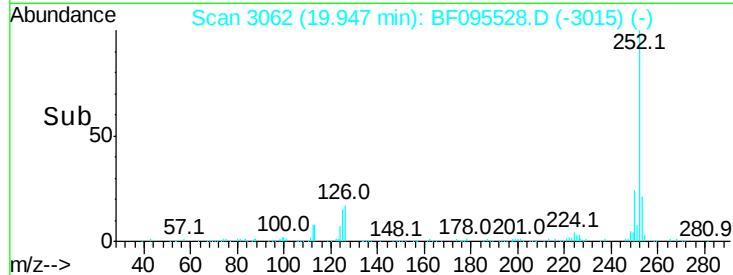
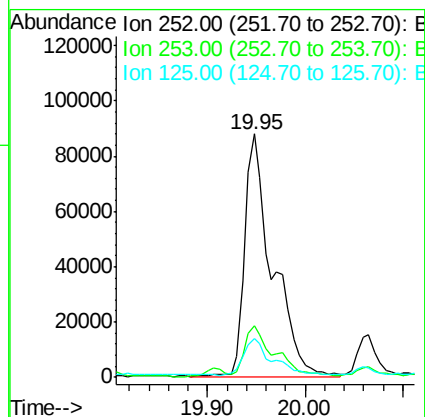
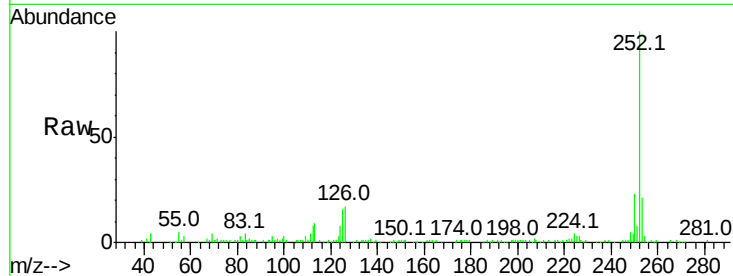




#88
Benzo(k)fluoranthene
Concen: 18.84 ng
RT: 19.95 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095528.D
Acq: 28 May 2017 9:51

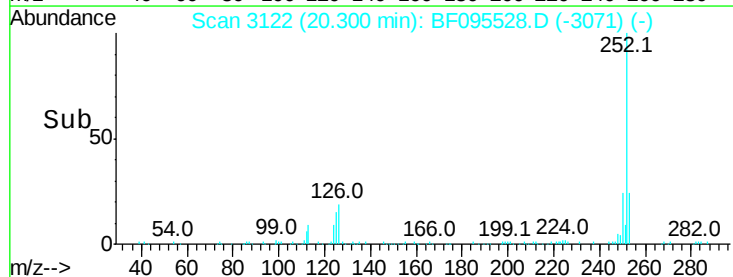
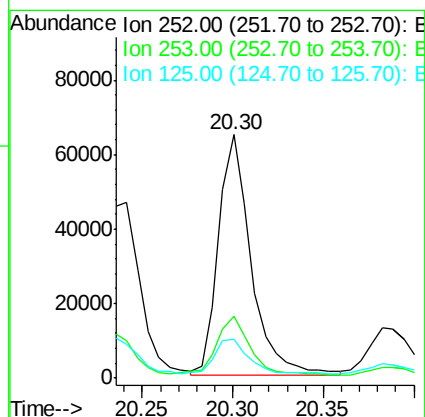
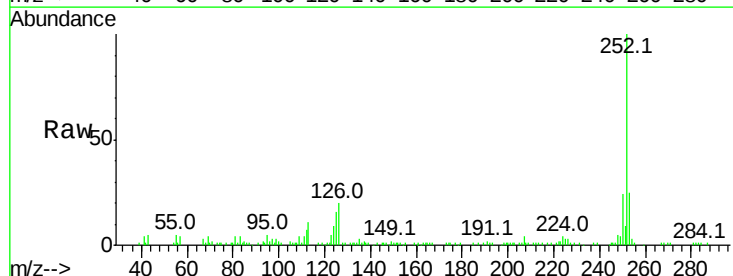
Instrument :
BNA_F
ClientSampled :

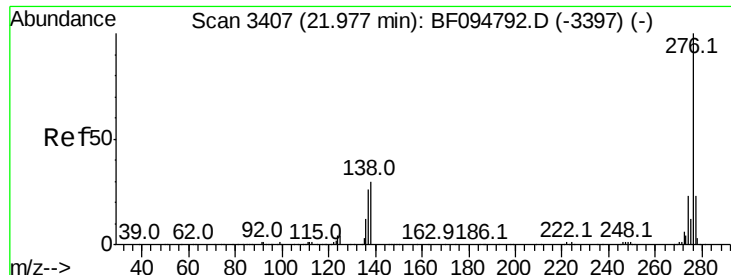
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.4	27.6
125	16.2	13.1	19.7



#89
Benzo(a)pyrene
Concen: 9.06 ng
RT: 20.30 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BF095528.D
Acq: 28 May 2017 9:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.5	26.3
125	16.1	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 6.18 ng

RT: 22.09 min Scan# 3426

Delta R.T. 0.02 min

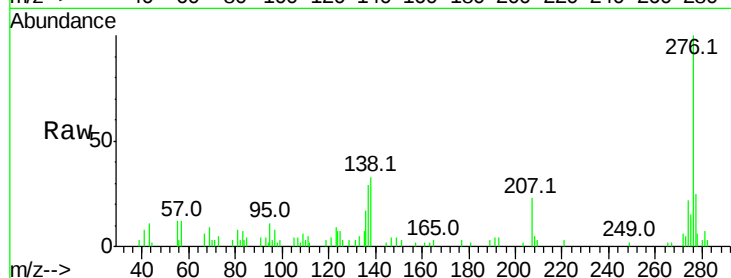
Lab File: BF095528.D

Acq: 28 May 2017 9:51

Instrument :

BNA_F

ClientSampleId :



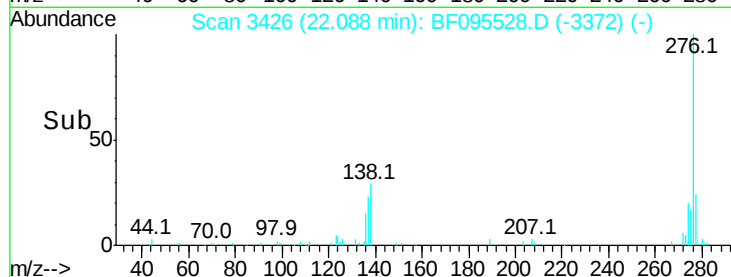
Tot Ion: 276 Resp: 44822

Ion Ratio Lower Upper

276 100

277 24.7 18.6 28.0

138 33.1 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

