

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
 Data File : BF095328.D
 Acq On : 22 May 2017 22:42
 Operator : SJ/MA
 Sample : I3250-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W.P.RD-C.AVE(SP)

Quant Time: May 23 04:35:31 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

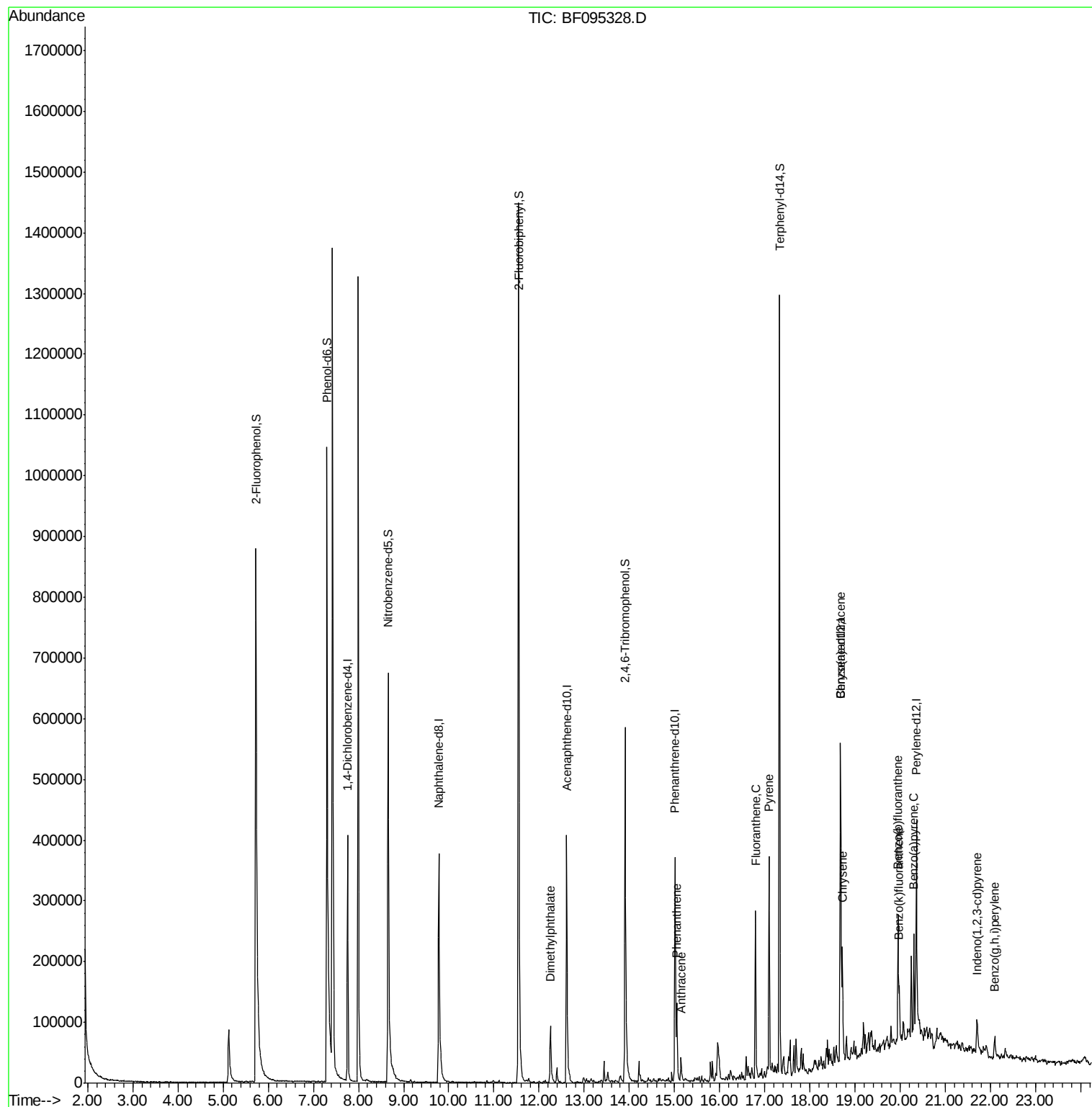
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	90241	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	362593	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	142610	20.00	ng	-0.01
63) Phenanthrene-d10	15.01	188	220571	20.00	ng	-0.01
75) Chrysene-d12	18.68	240	204517	20.00	ng	-0.01
86) Perylene-d12	20.36	264	164010	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	649183	119.94	ng	-0.01
7) Phenol-d6	7.30	99	783731	120.68	ng	-0.01
23) Nitrobenzene-d5	8.66	82	438556	76.27	ng	-0.01
41) 2,4,6-Tribromophenol	13.91	330	123632	105.86	ng	-0.01
44) 2-Fluorobiphenyl	11.55	172	776133	78.33	ng	-0.01
78) Terphenyl-d14	17.33	244	498143	53.65	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	12.25	163	85642	7.32	ng	98
70) Phenanthrene	15.05	178	78381	6.18	ng	98
71) Anthracene	15.15	178	31212	2.41	ng	95
74) Fluoranthene	16.79	202	165232	12.71	ng	99
77) Pyrene	17.09	202	176999	11.57	ng	98
80) Benzo(a)anthracene	18.67	228	93367	7.84	ng	97
82) Chrysene	18.72	228	103057	8.95	ng	98
85) Indeno(1,2,3-cd)pyrene	21.71	276	36785	3.94	ng	93
87) Benzo(b)fluoranthene	19.95	252	107641m	10.62	ng	
88) Benzo(k)fluoranthene	19.98	252	41445m	4.24	ng	
89) Benzo(a)pyrene	20.31	252	78415	8.39	ng	98
91) Benzo(a,h,i)perylene	22.09	276	33878	4.47	ng	95

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

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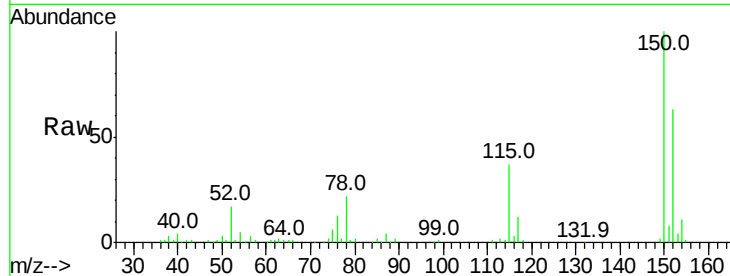


#1

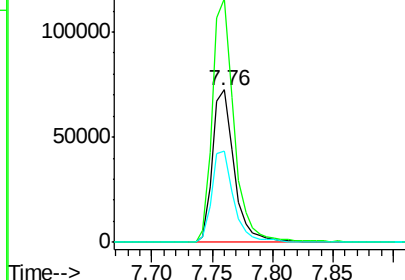
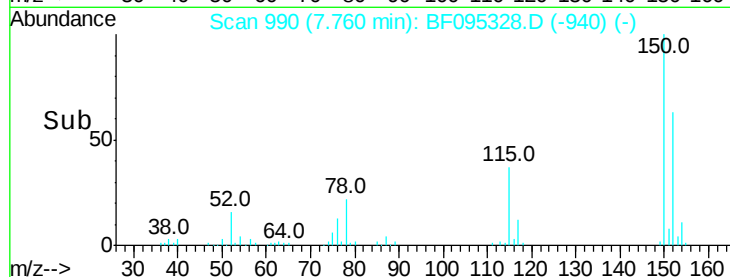
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF095328.D
Acq: 22 May 2017 22:42

Instrument :
BNA_F
ClientSampleId :
W.P.RD-C.AVE(SP)

Tot Ion:152 Resp: 90241
Ion Ratio Lower Upper
152 100
150 159.5 126.2 189.2
115 59.4 52.2 78.2



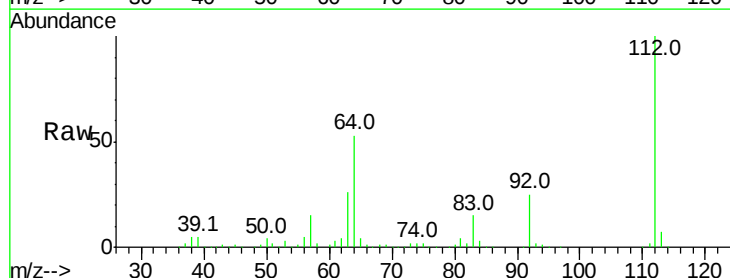
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



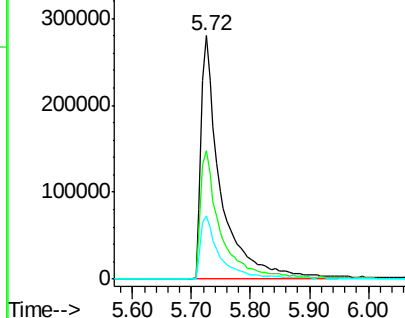
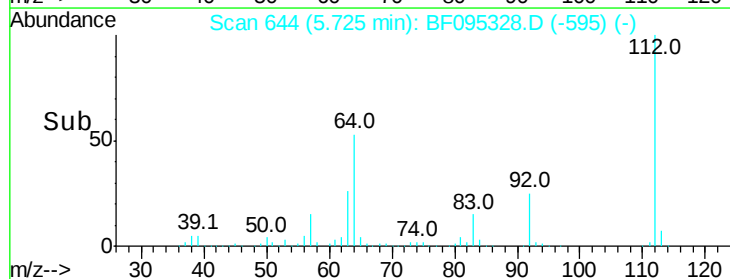
#5

2-Fluorophenol
Concen: 119.94 ng
RT: 5.72 min Scan# 644
Delta R.T. -0.01 min
Lab File: BF095328.D
Acq: 22 May 2017 22:42

Tgt Ion:112 Resp: 649183
Ion Ratio Lower Upper
112 100
64 53.0 46.0 69.0
63 26.0 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: 120.68 ng

RT: 7.30 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF095328.D

Acq: 22 May 2017 22:42

Instrument :

BNA_F

ClientSampleId :

W.P.RD-C.AVE(SP)

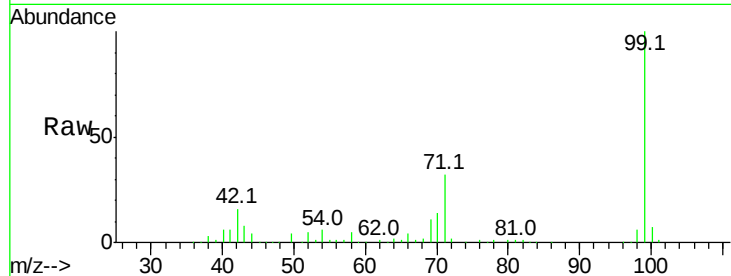
Tot Ion: 99 Resp: 783731

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

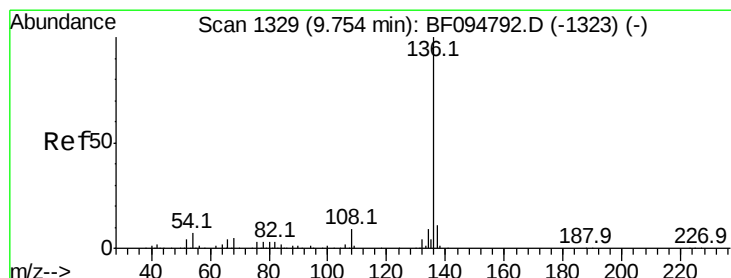
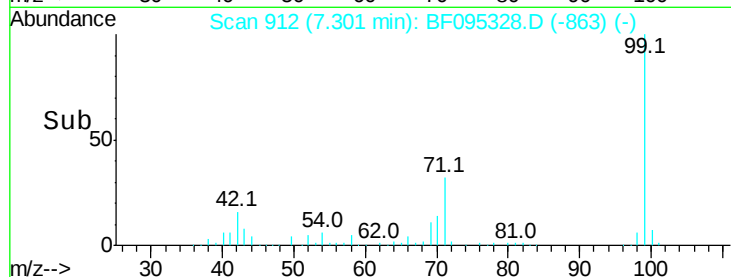
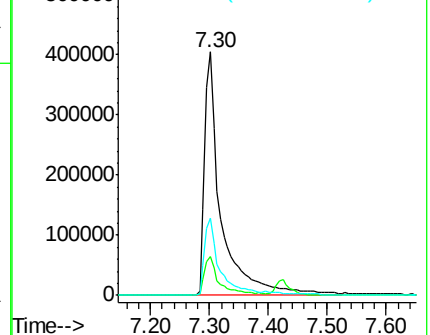
71 31.9 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.78 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF095328.D

Acq: 22 May 2017 22:42

Tgt Ion: 136 Resp: 362593

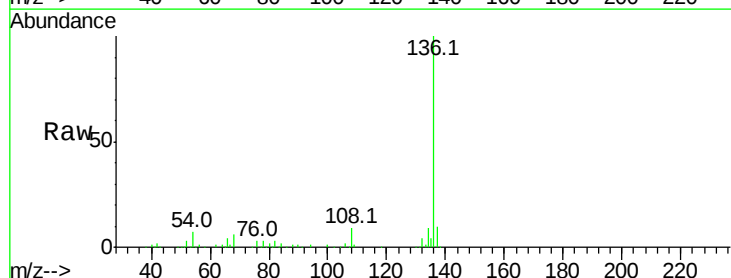
Ion Ratio Lower Upper

136 100

137 10.3 8.5 12.7

54 6.9 4.9 7.3

68 5.7 4.1 6.1

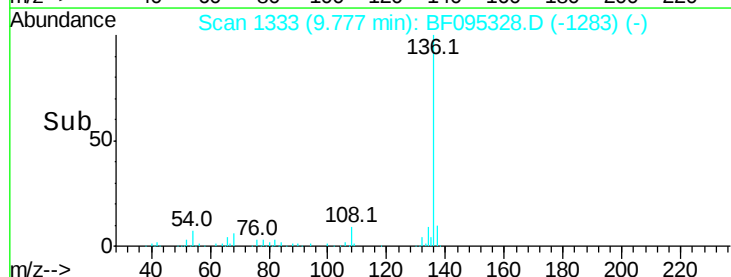
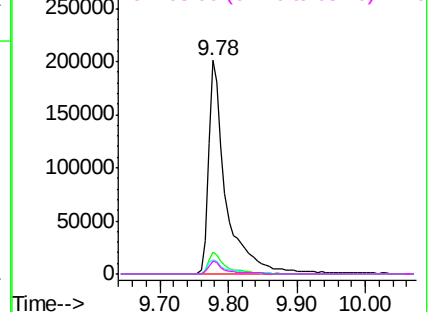


Abundance Ion 136.00 (135.70 to 136.70): E

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

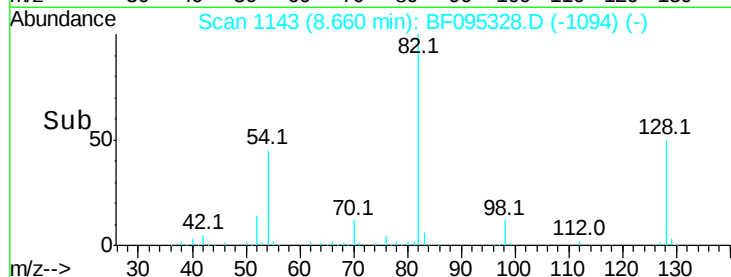
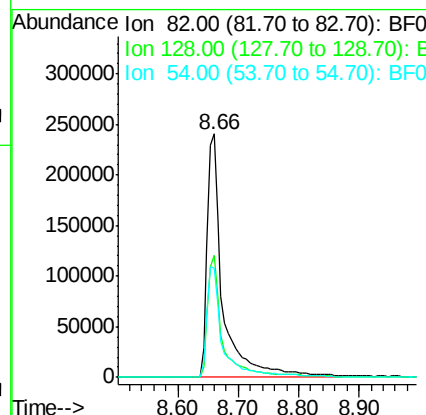
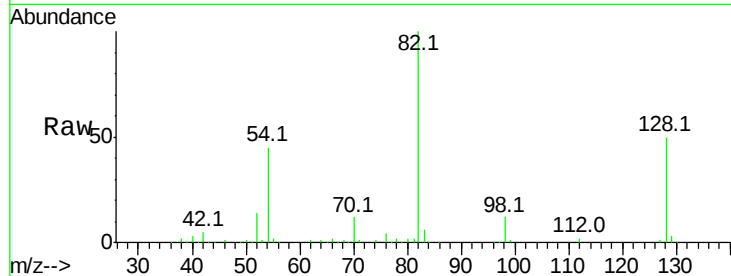




#23
 Nitrobenzene-d5
 Concen: 76.27 ng
 RT: 8.66 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF095328.D
 Acq: 22 May 2017 22:42

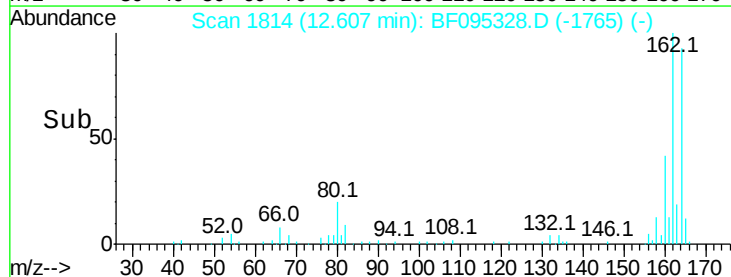
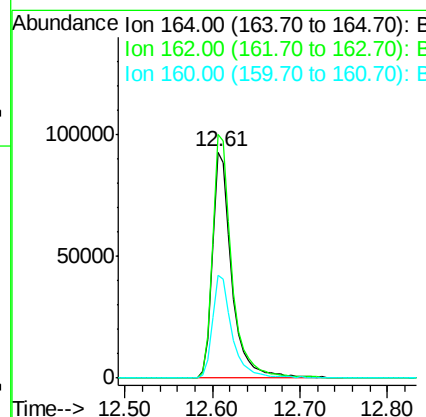
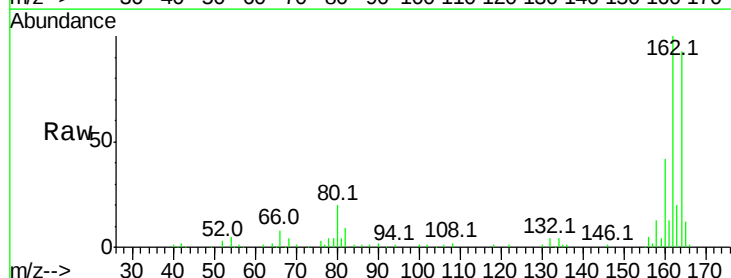
Instrument :
 BNA_F
 ClientSampleId :
 W.P.RD-C.AVE(SP)

Tot Ion: 82 Resp: 438556
 Ion Ratio Lower Upper
 82 100
 128 50.0 34.0 51.0
 54 44.8 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.61 min Scan# 1814
 Delta R.T. -0.01 min
 Lab File: BF095328.D
 Acq: 22 May 2017 22:42

Tgt Ion:164 Resp: 142610
 Ion Ratio Lower Upper
 164 100
 162 107.8 82.6 123.8
 160 45.6 36.2 54.2

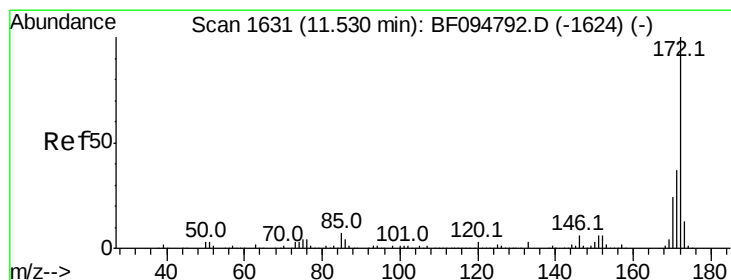
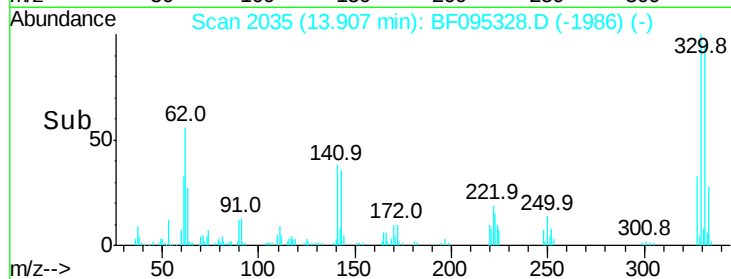
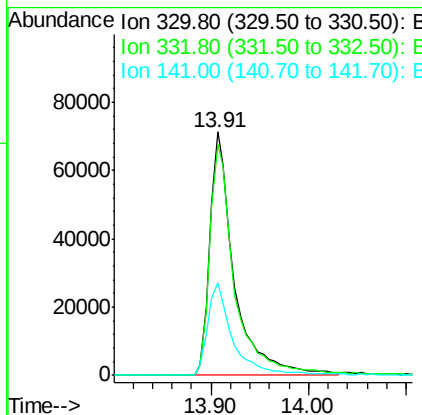
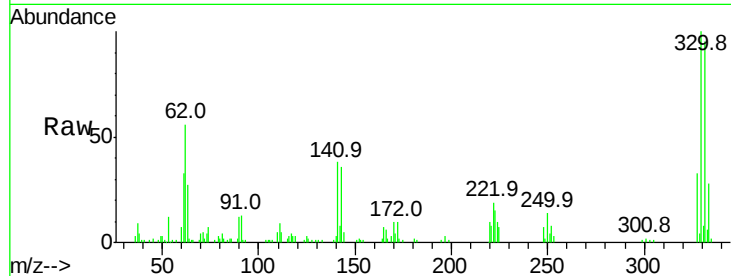




#41
 2,4,6-Tribromophenol
 Concen: 105.86 ng
 RT: 13.91 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF095328.D
 Acq: 22 May 2017 22:42

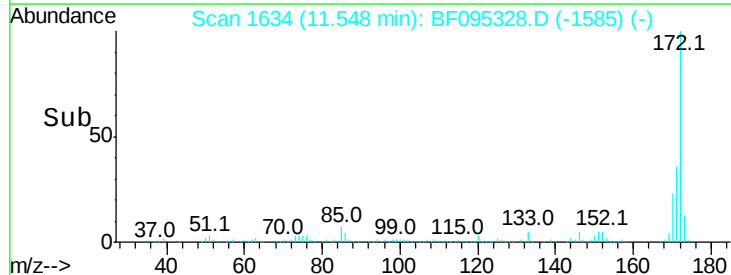
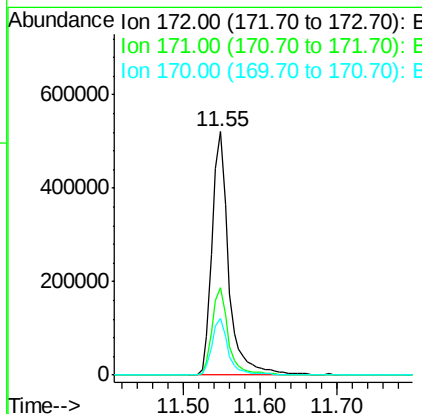
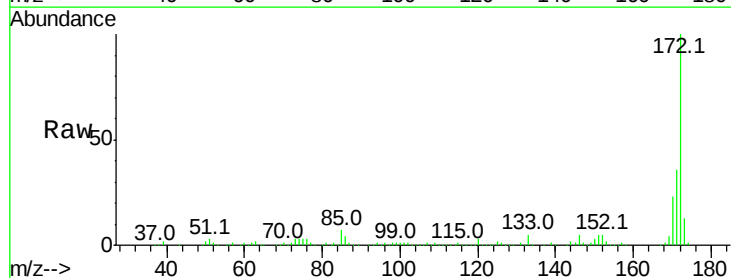
Instrument :
 BNA_F
 ClientSampleId :
 W.P.RD-C.AVE(SP)

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.5	76.6	115.0
141	38.9	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 78.33 ng
 RT: 11.55 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: BF095328.D
 Acq: 22 May 2017 22:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.5	19.8	29.8





#49

Dimethylphthalate

Concen: 7.32 ng

RT: 12.25 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF095328.D

Acq: 22 May 2017 22:42

Instrument :

BNA_F

ClientSampleId :

W.P.RD-C.AVE(SP)

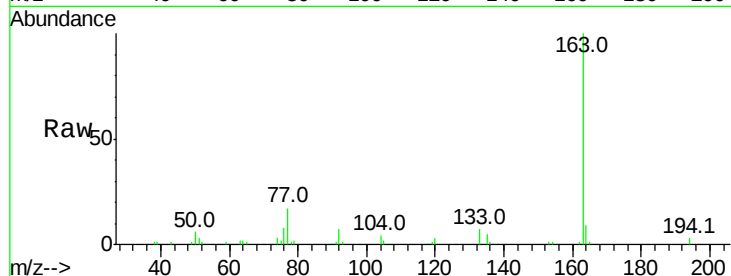
Tot Ion:163 Resp: 85642

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

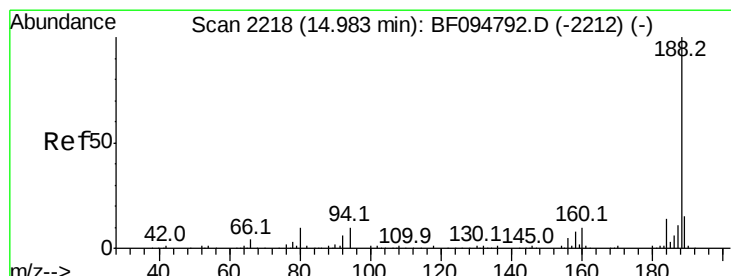
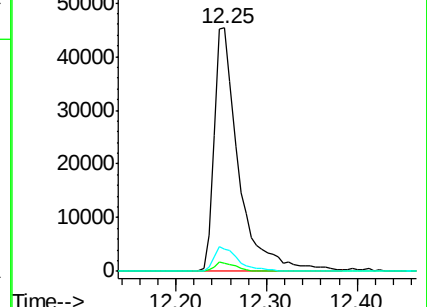
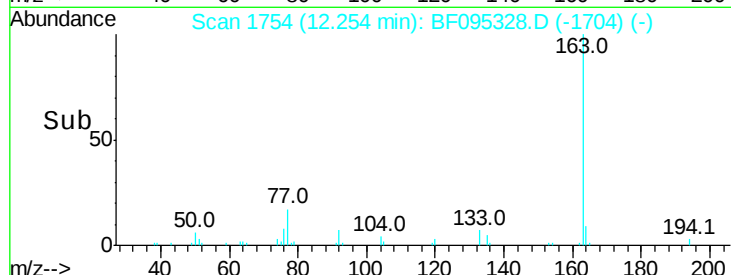
164 9.4 8.4 12.6



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: 15.01 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF095328.D

Acq: 22 May 2017 22:42

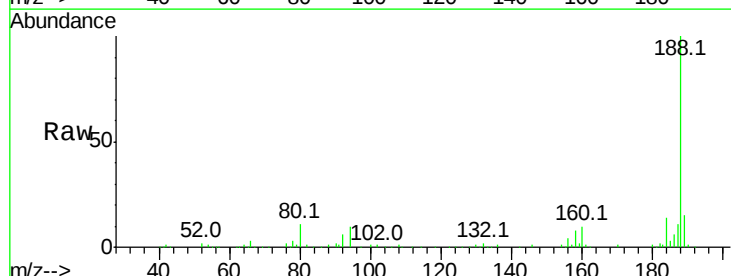
Tgt Ion:188 Resp: 220571

Ion Ratio Lower Upper

188 100

94 10.2 9.4 14.2

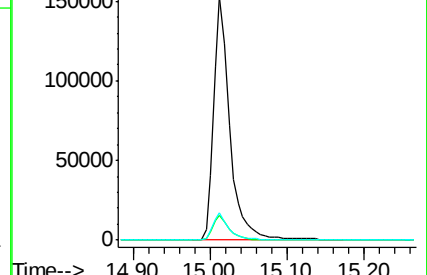
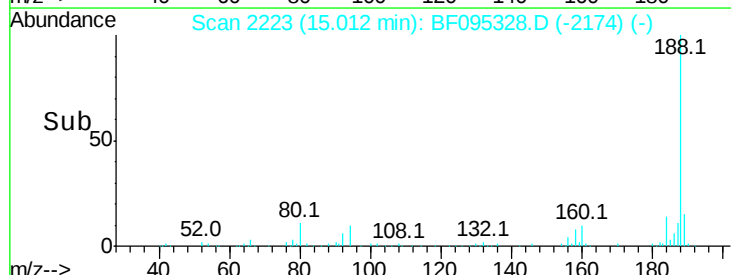
80 11.0 10.2 15.2

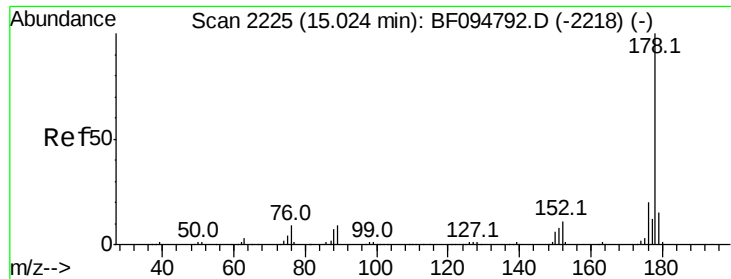


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

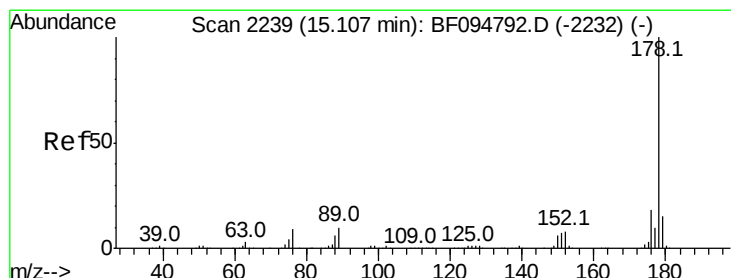
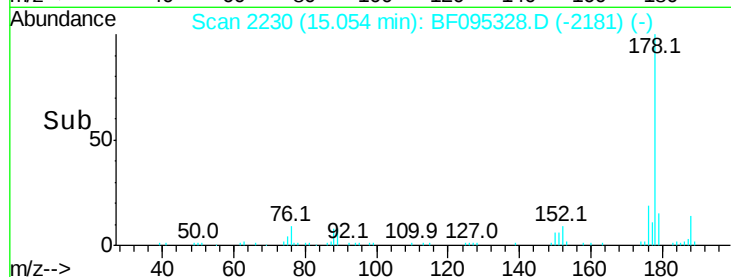
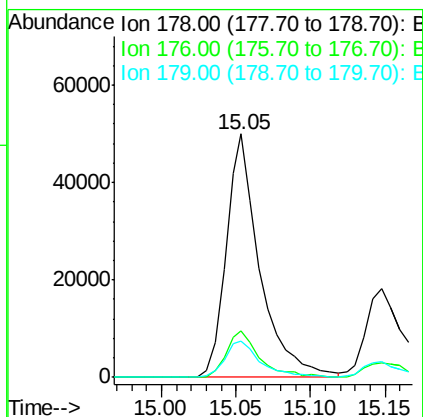
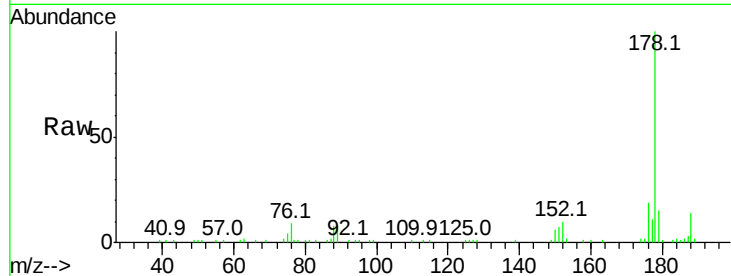




#70
Phenanthrene
Concen: 6.18 ng
RT: 15.05 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF095328.D
Acq: 22 May 2017 22:42

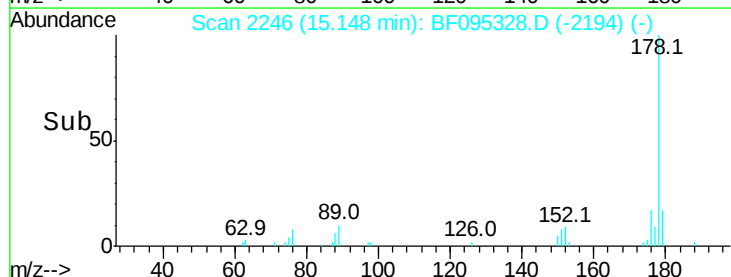
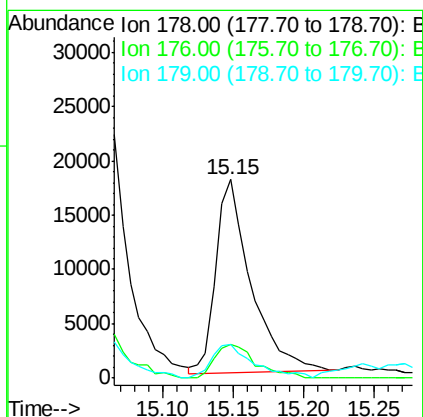
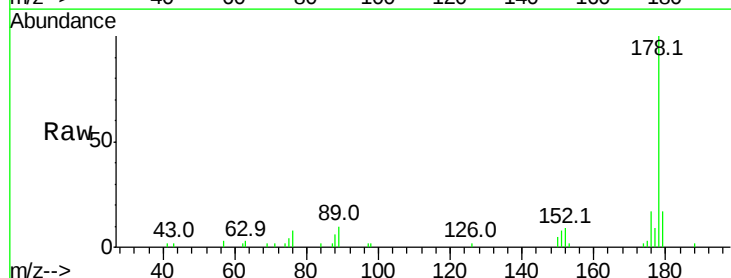
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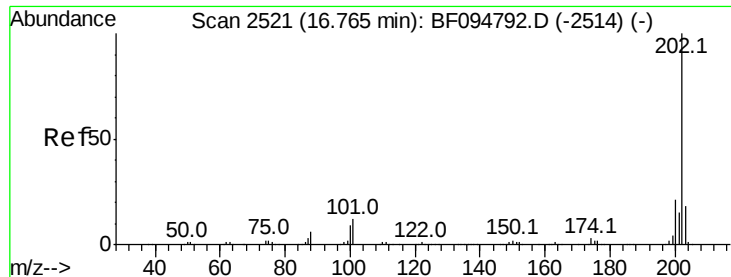
Tot Ion:178 Resp: 78381
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 15.0 12.6 19.0



#71
Anthracene
Concen: 2.41 ng
RT: 15.15 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF095328.D
Acq: 22 May 2017 22:42

Tgt Ion:178 Resp: 31212
Ion Ratio Lower Upper
178 100
176 16.7 15.8 23.8
179 17.1 12.7 19.1

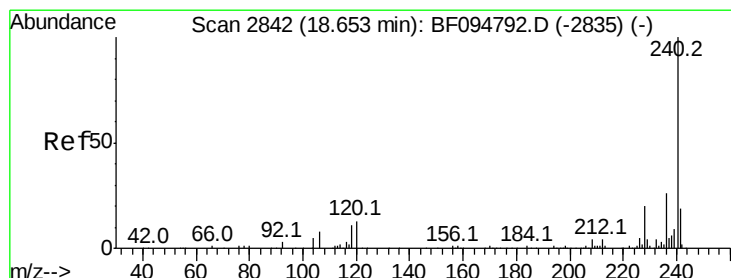
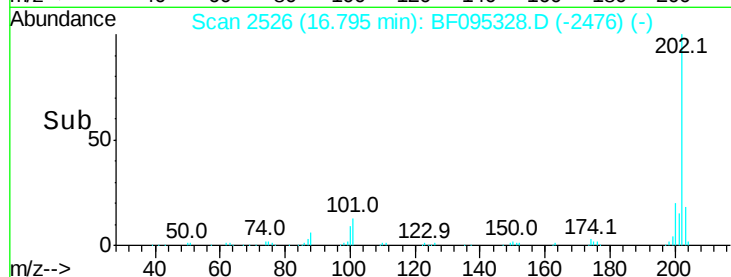
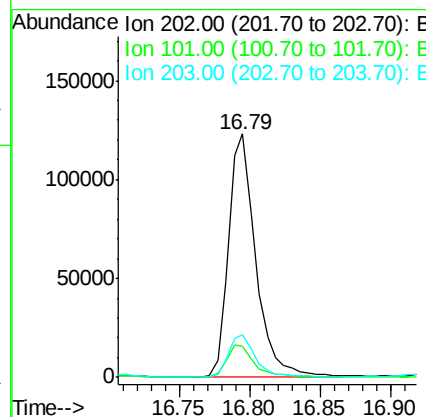
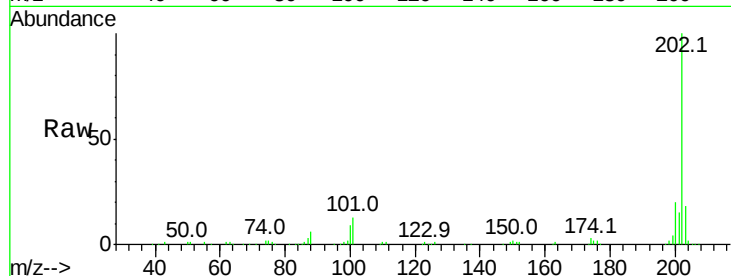




#74
Fluoranthene
 Concen: 12.71 ng
 RT: 16.79 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF095328.D
 Acq: 22 May 2017 22:42

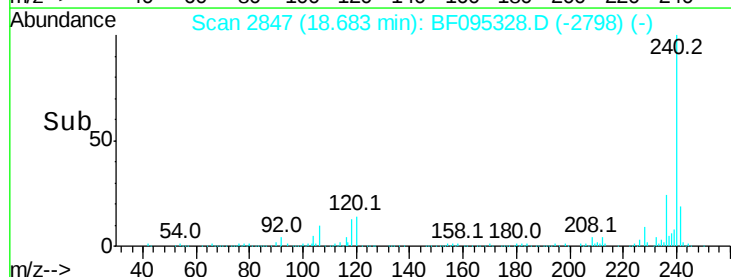
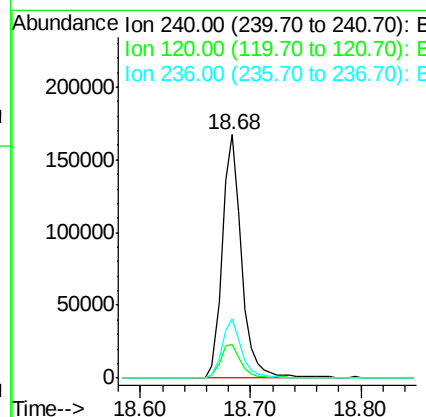
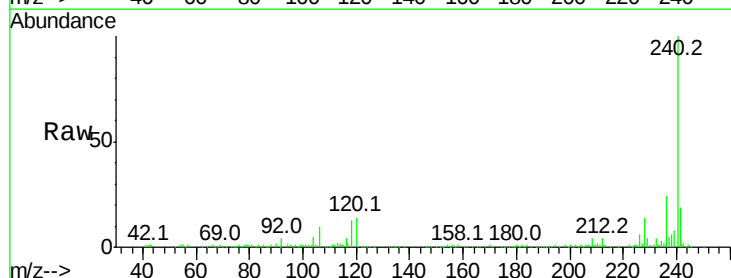
Instrument :
 BNA_F
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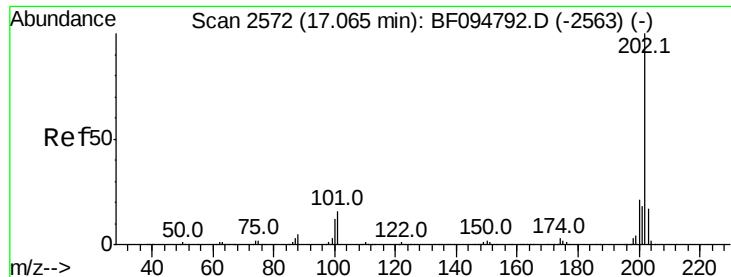
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.7	0.0	38.1



#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BF095328.D
 Acq: 22 May 2017 22:42

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.0	5.8	8.8#
236	24.4	20.5	30.7





#77

Pvrene

Concen: 11.57 ng

RT: 17.09 min Scan# 2577

Delta R.T. -0.01 min

Lab File: BF095328.D

Acq: 22 May 2017 22:42

Instrument :

BNA_F

ClientSampleId :

W.P.RD-C.AVE(SP)

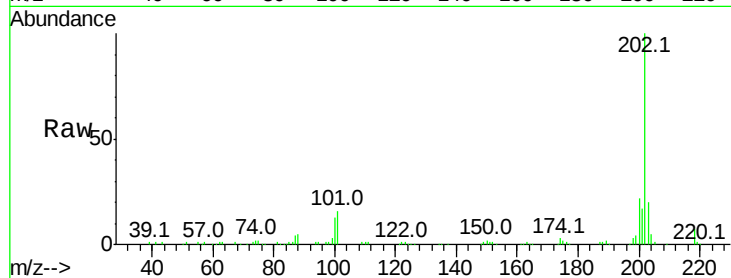
Tot Ion:202 Resp: 176999

Ion Ratio Lower Upper

202 100

200 22.1 17.6 26.4

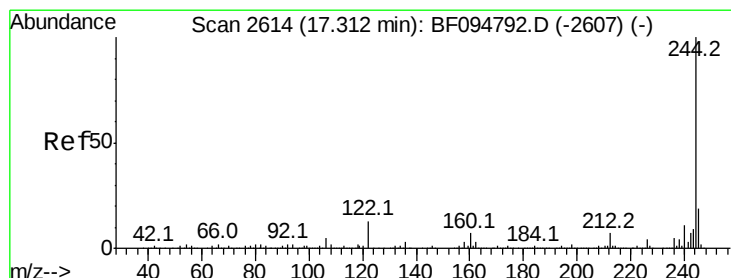
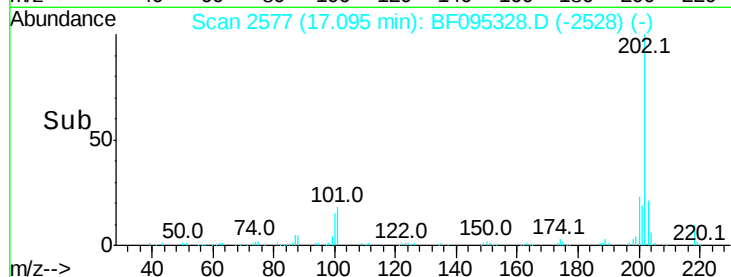
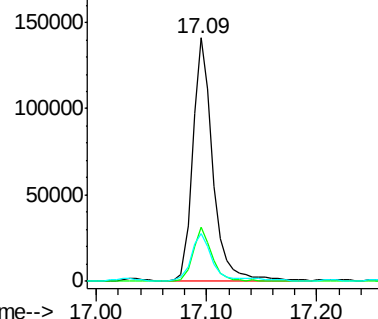
203 19.7 14.4 21.6



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: 53.65 ng

RT: 17.33 min Scan# 2617

Delta R.T. -0.02 min

Lab File: BF095328.D

Acq: 22 May 2017 22:42

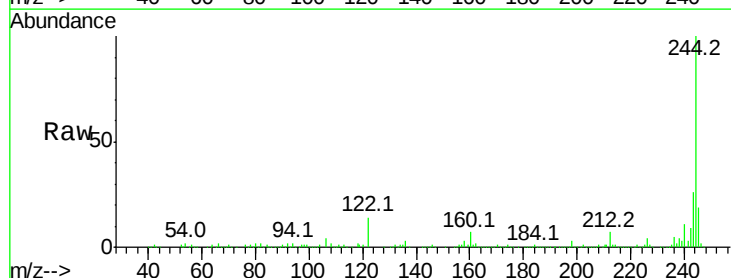
Tgt Ion:244 Resp: 498143

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

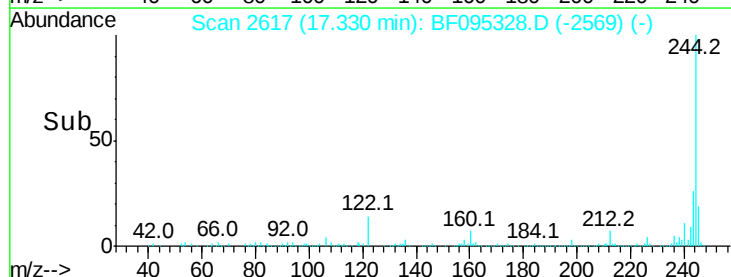
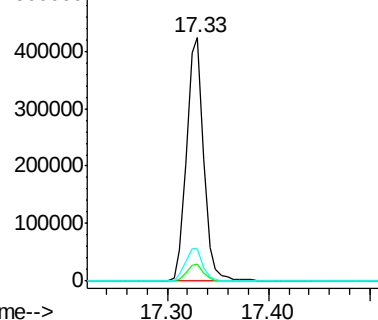
122 13.6 10.3 15.5

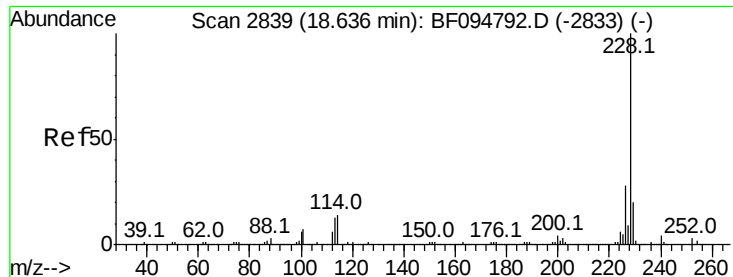


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

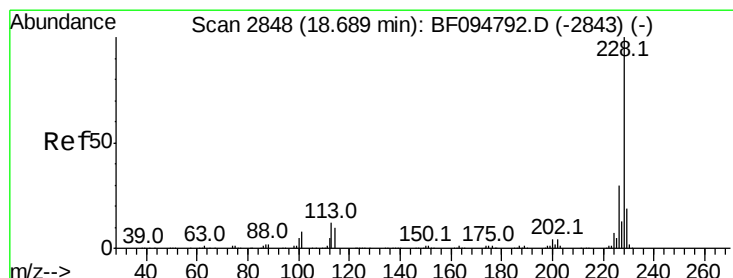
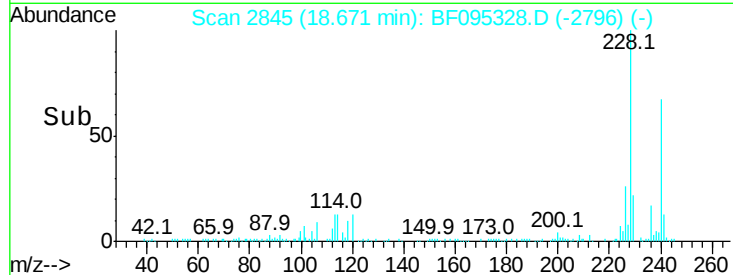
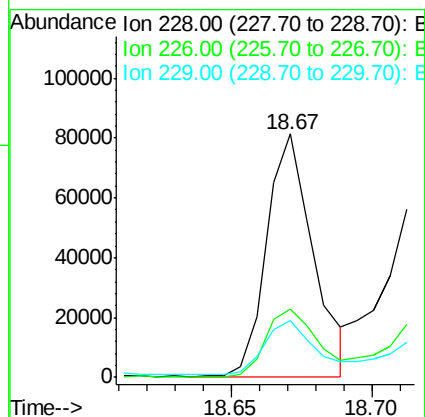
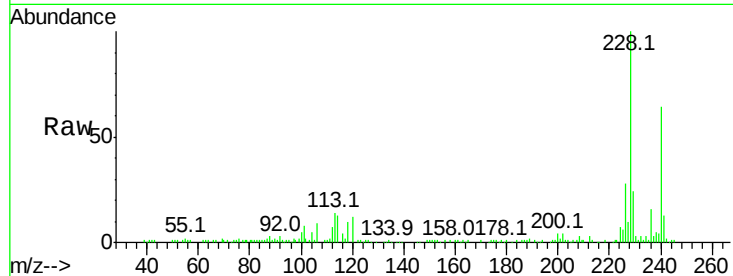




#80
Benzo(a)anthracene
Concen: 7.84 ng
RT: 18.67 min Scan# 2845
Delta R.T. -0.01 min
Lab File: BF095328.D
Acq: 22 May 2017 22:42

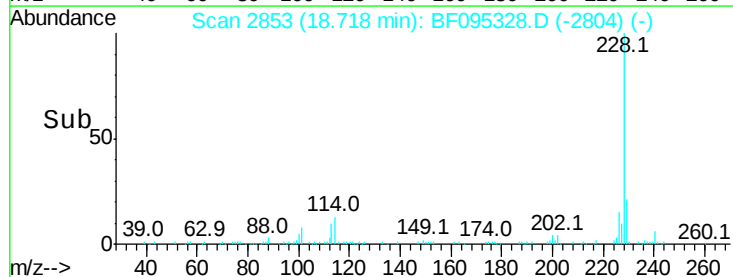
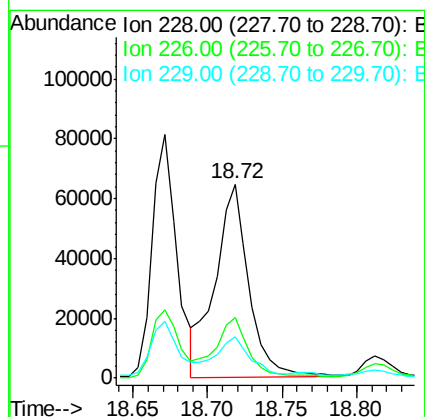
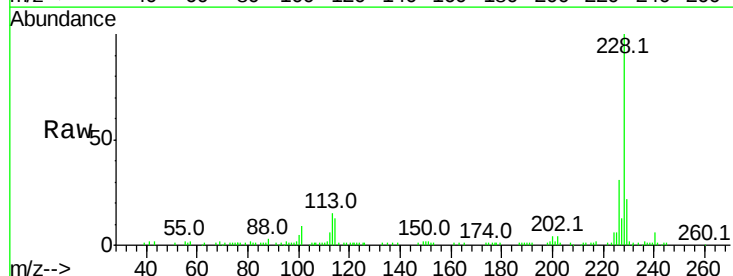
Instrument :
BNA_F
ClientSampleId :
W.P.RD-C.AVE(SP)

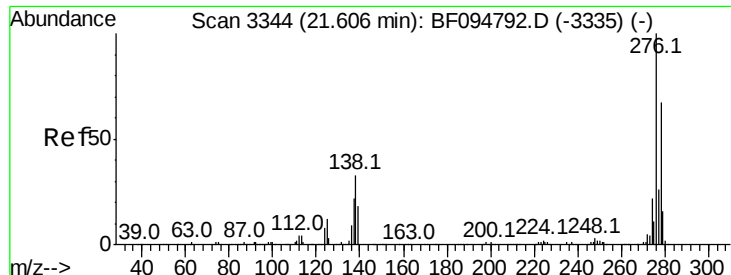
Tot Ion:228 Resp: 93367
Ion Ratio Lower Upper
228 100
226 28.1 22.6 33.8
229 23.6 16.3 24.5



#82
Chrysene
Concen: 8.95 ng
RT: 18.72 min Scan# 2853
Delta R.T. -0.01 min
Lab File: BF095328.D
Acq: 22 May 2017 22:42

Tgt Ion:228 Resp: 103057
Ion Ratio Lower Upper
228 100
226 31.3 24.9 37.3
229 21.6 15.8 23.6

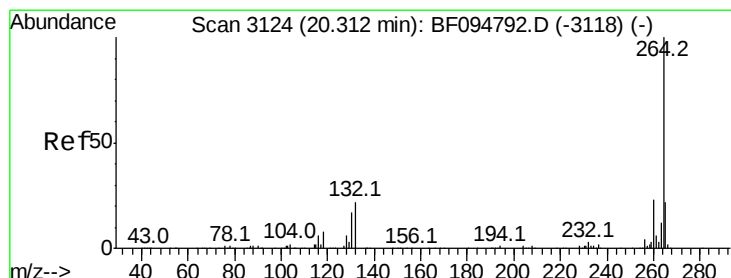
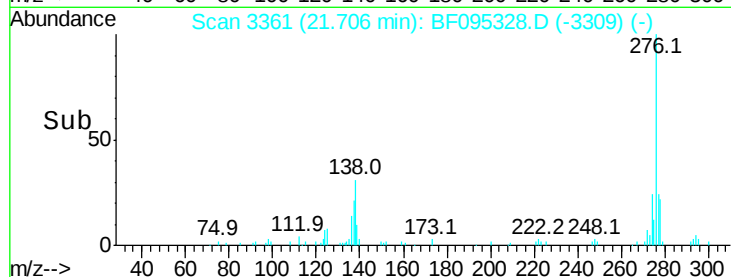
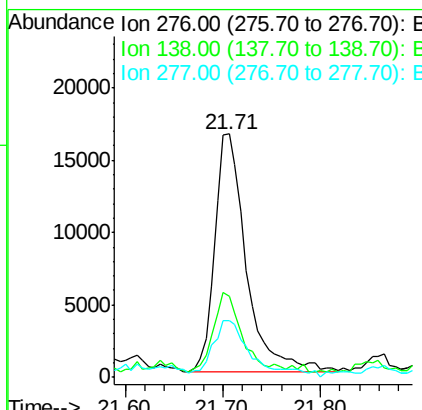
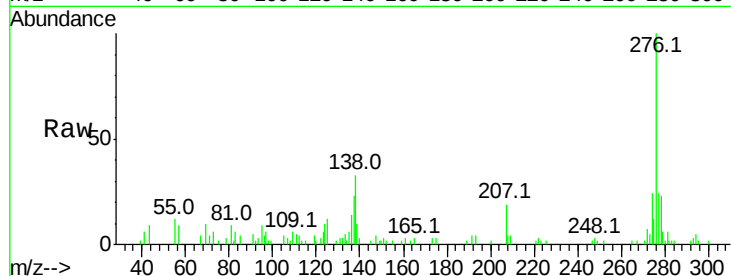




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.94 ng
 RT: 21.71 min Scan# 3361
 Delta R.T. 0.01 min
 Lab File: BF095328.D
 Acq: 22 May 2017 22:42

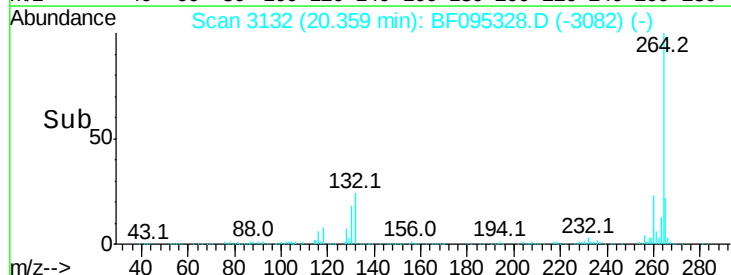
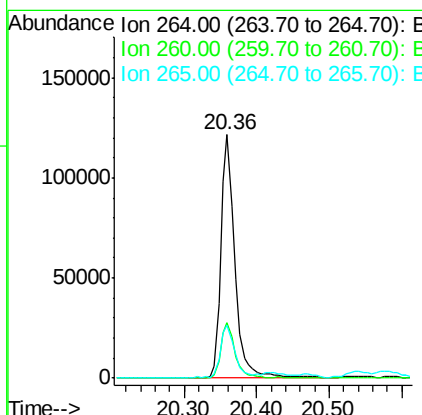
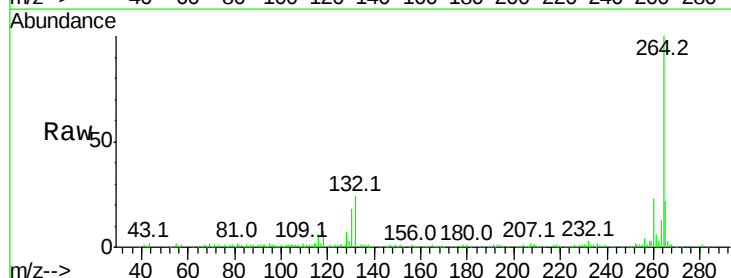
Instrument :
 BNA_F
 ClientSampleId :
 W.P.RD-C.AVE(SP)

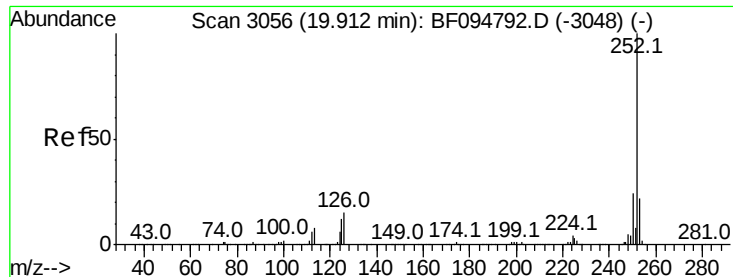
Tot Ion:276 Resp: 36785
 Ion Ratio Lower Upper
 276 100
 138 30.0 27.8 41.6
 277 22.4 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.36 min Scan# 3132
 Delta R.T. -0.01 min
 Lab File: BF095328.D
 Acq: 22 May 2017 22:42

Tgt Ion:264 Resp: 164010
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.5 29.3
 265 21.6 17.2 25.8

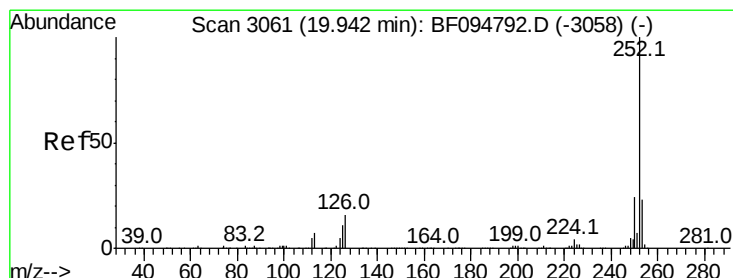
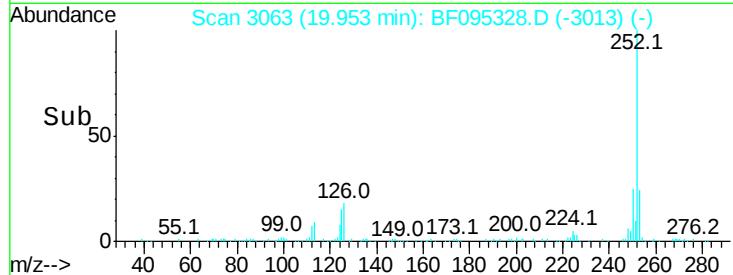
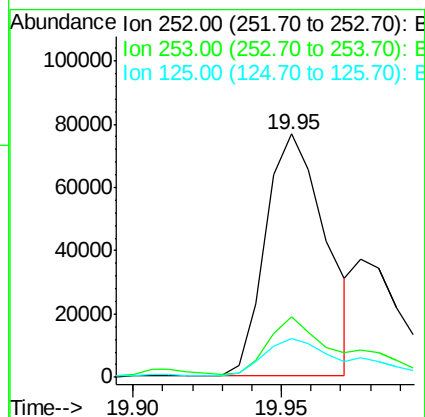
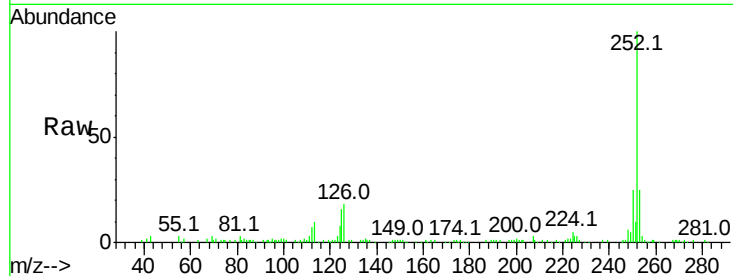




#87
Benzo(b)fluoranthene
Concen: 10.62 ng m
RT: 19.95 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BF095328.D
Acq: 22 May 2017 22:42

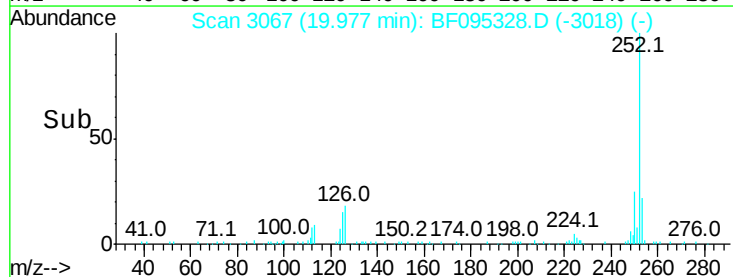
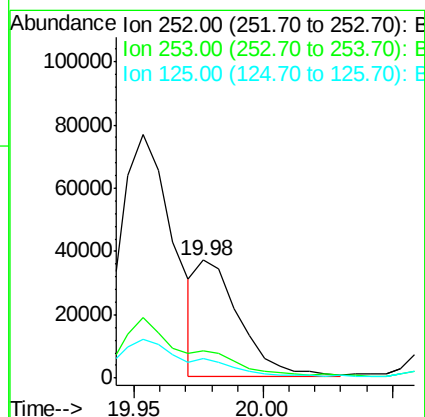
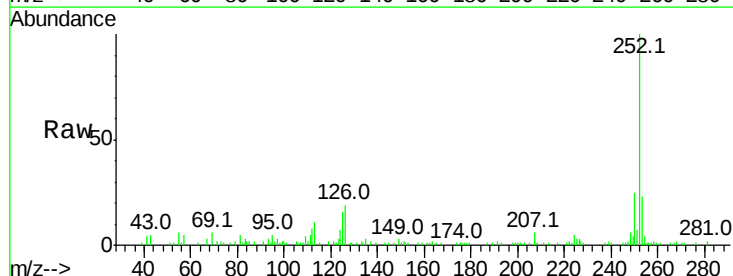
Instrument :
BNA_F
ClientSampleId :
W.P.RD-C.AVE(SP)

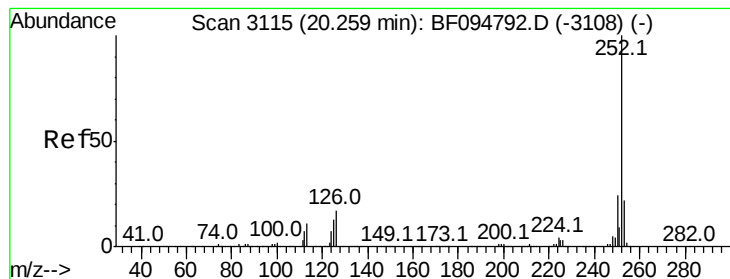
Tot Ion:252 Resp: 107641
Ion Ratio Lower Upper
252 100
253 24.7 18.1 27.1
125 15.9 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 4.24 ng m
RT: 19.98 min Scan# 3067
Delta R.T. -0.01 min
Lab File: BF095328.D
Acq: 22 May 2017 22:42

Tgt Ion:252 Resp: 41445
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 16.2 13.1 19.7





#89

Benzo(a)pyrene

Concen: 8.39 ng

RT: 20.31 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BF095328.D

Acq: 22 May 2017 22:42

Instrument :

BNA_F

ClientSampleId :

W.P.RD-C.AVE(SP)

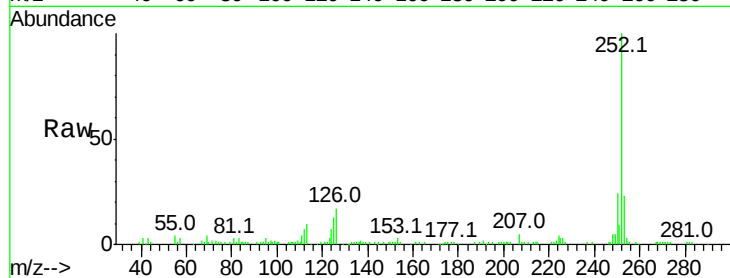
Tot Ion:252 Resp: 78415

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

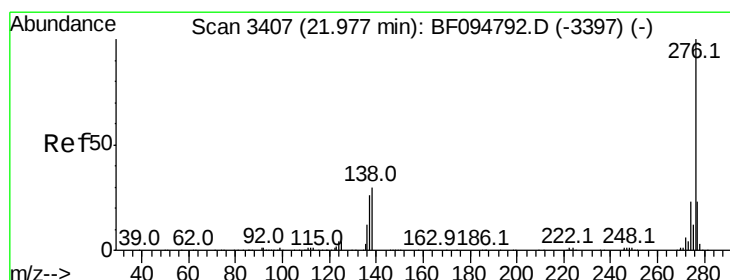
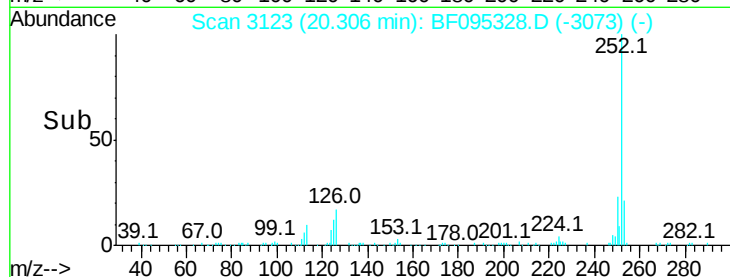
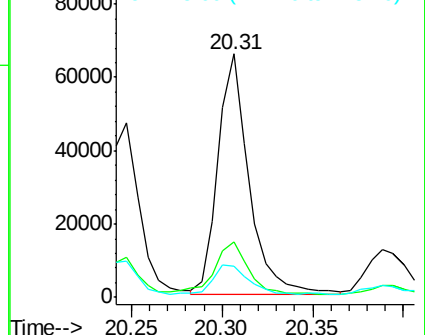
125 13.0 11.0 16.4



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



#91

Benzo(g,h,i)perylene

Concen: 4.47 ng

RT: 22.09 min Scan# 3427

Delta R.T. 0.01 min

Lab File: BF095328.D

Acq: 22 May 2017 22:42

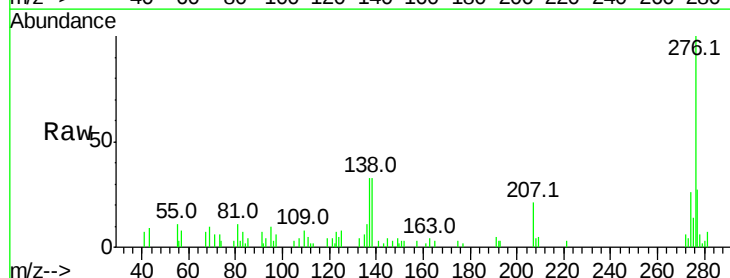
Tgt Ion:276 Resp: 33878

Ion Ratio Lower Upper

276 100

277 27.3 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

