

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
 Data File : BF095327.D
 Acq On : 22 May 2017 22:10
 Operator : SJ/MA
 Sample : I3278-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-4632

Quant Time: May 23 04:30:29 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

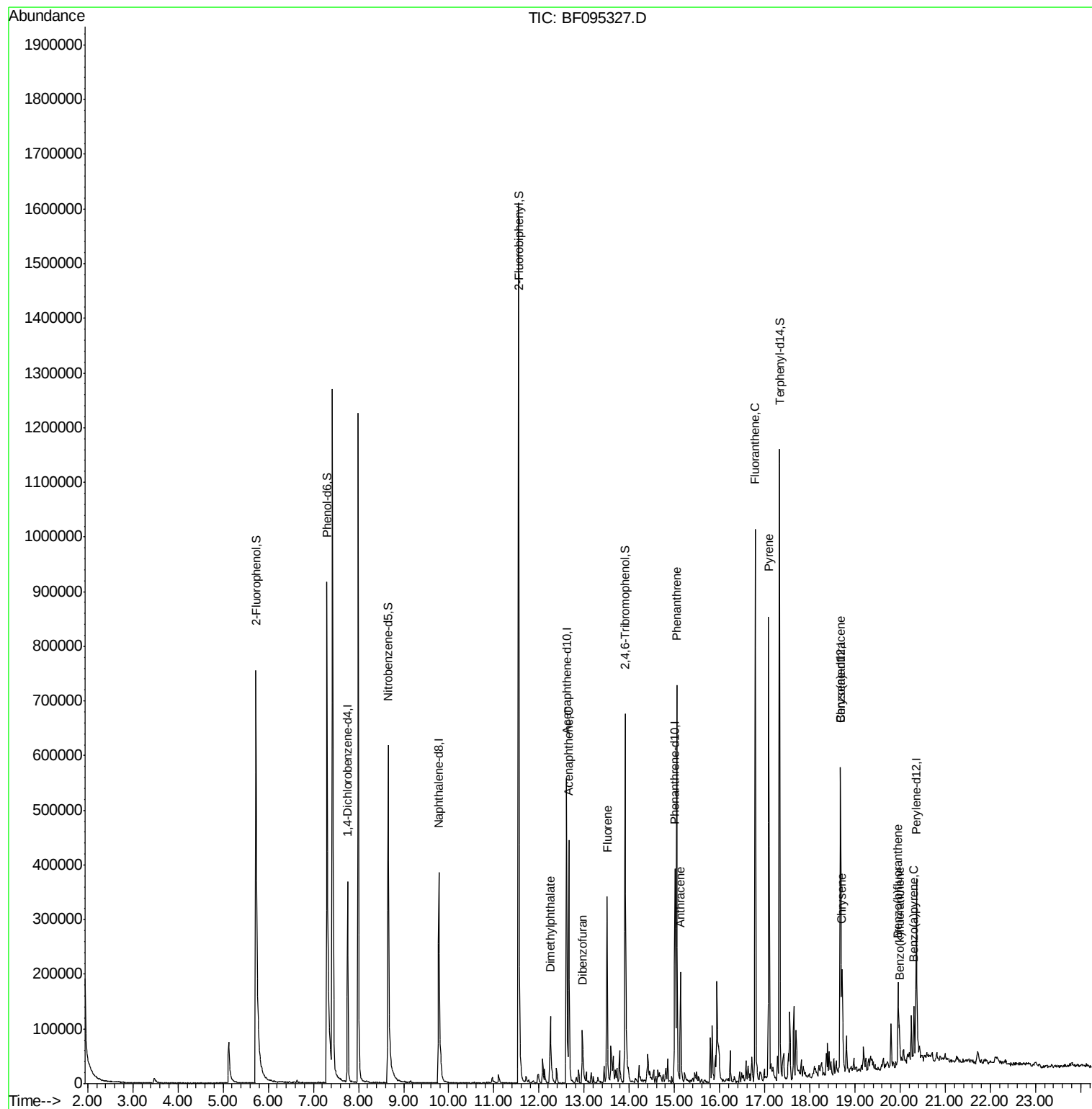
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	87286	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	376940	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	164856	20.00	ng	-0.01
63) Phenanthrene-d10	15.01	188	216020	20.00	ng	-0.01
75) Chrysene-d12	18.68	240	203146	20.00	ng	-0.01
86) Perylene-d12	20.36	264	165937	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	557275	106.44	ng	-0.01
7) Phenol-d6	7.30	99	711751	113.31	ng	-0.01
23) Nitrobenzene-d5	8.66	82	420176	70.29	ng	-0.01
41) 2,4,6-Tribromophenol	13.91	330	123861	91.74	ng	-0.01
44) 2-Fluorobiphenyl	11.55	172	800673	69.91	ng	-0.01
78) Terphenyl-d14	17.33	244	466721	50.60	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	12.25	163	98265	7.26	ng	99
51) Acenaphthene	12.66	154	149464	14.25	ng	99
54) Dibenzofuran	12.96	168	76419	5.27	ng	95
57) Fluorene	13.51	166	148031	11.73	ng	100
70) Phenanthrene	15.05	178	406314	32.74	ng	98
71) Anthracene	15.14	178	129751	10.23	ng	96
74) Fluoranthene	16.79	202	533557	41.91	ng	99
77) Pyrene	17.09	202	379329	24.97	ng	96
80) Benzo(a)anthracene	18.67	228	118072	9.99	ng	96
82) Chrysene	18.72	228	114662	10.03	ng	97
87) Benzo(b)fluoranthene	19.95	252	79037m	7.71	ng	
88) Benzo(k)fluoranthene	19.98	252	36003m	3.64	ng	
89) Benzo(a)pyrene	20.31	252	40503	4.28	ng	95

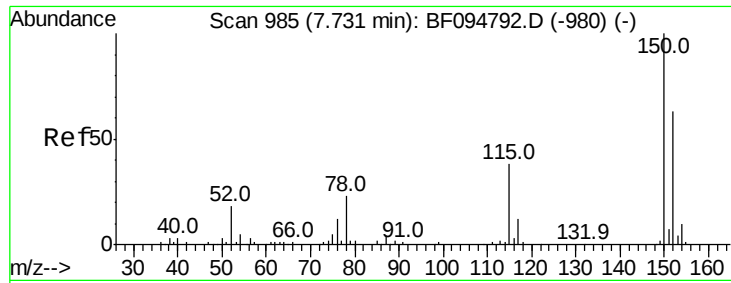
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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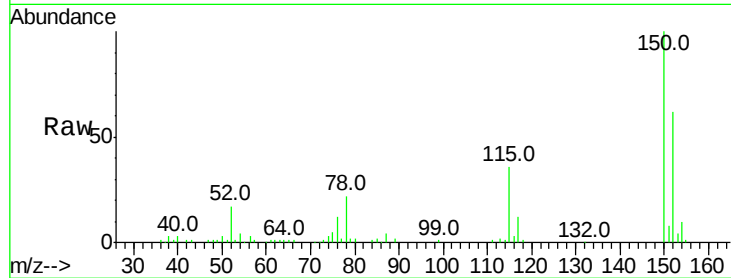


#1

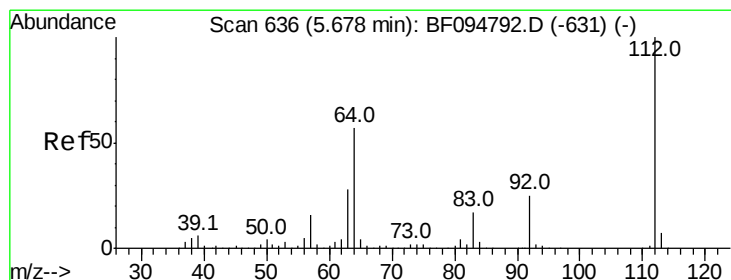
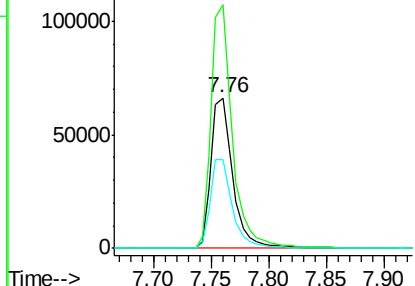
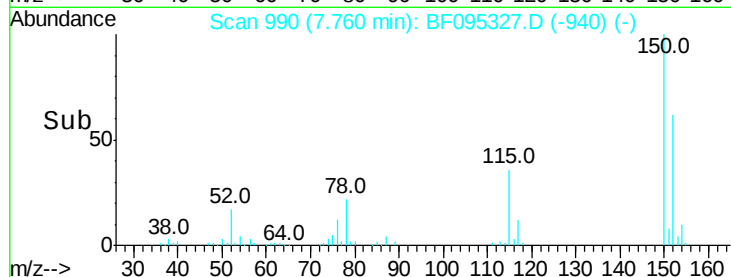
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF095327.D
Acq: 22 May 2017 22:10

Instrument :
BNA_F
ClientSampleId :
RT-4632

Tot Ion:152 Resp: 87286
Ion Ratio Lower Upper
152 100
150 162.1 126.2 189.2
115 58.7 52.2 78.2



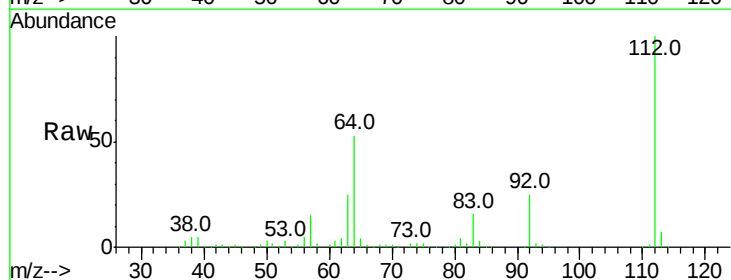
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



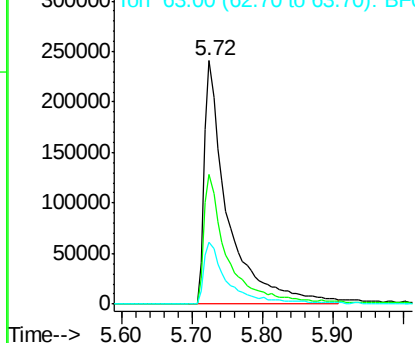
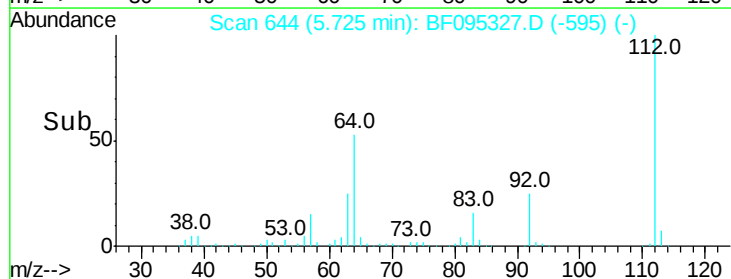
#5

2-Fluorophenol
Concen: 106.44 ng
RT: 5.72 min Scan# 644
Delta R.T. -0.01 min
Lab File: BF095327.D
Acq: 22 May 2017 22:10

Tgt Ion:112 Resp: 557275
Ion Ratio Lower Upper
112 100
64 53.3 46.0 69.0
63 25.3 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: 113.31 ng

RT: 7.30 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF095327.D

Acq: 22 May 2017 22:10

Instrument :

BNA_F

ClientSampleId :

RT-4632

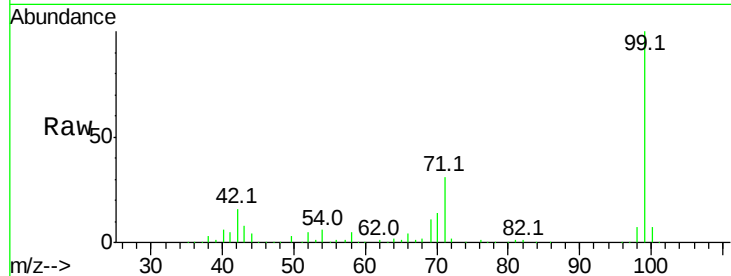
Tot Ion: 99 Resp: 711751

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

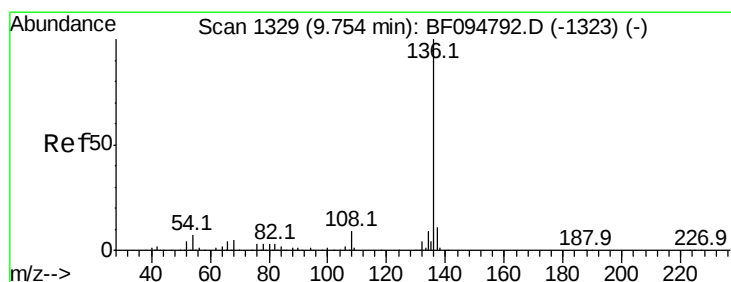
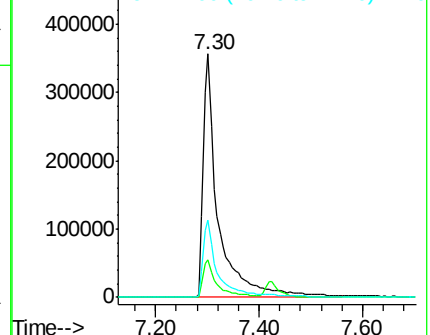
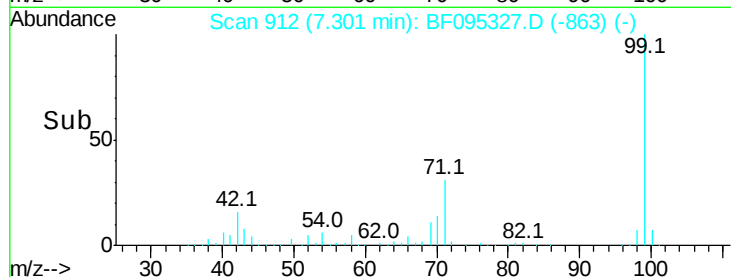
71 31.5 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.78 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF095327.D

Acq: 22 May 2017 22:10

Tgt Ion: 136 Resp: 376940

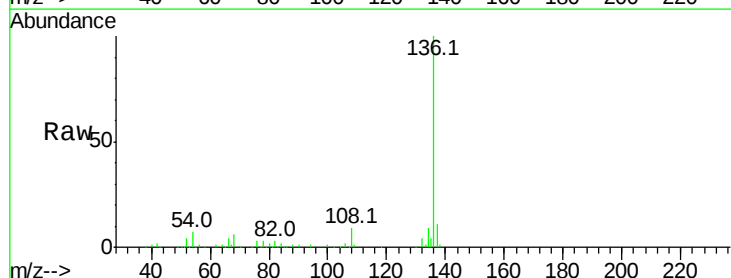
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 7.1 4.9 7.3

68 5.8 4.1 6.1

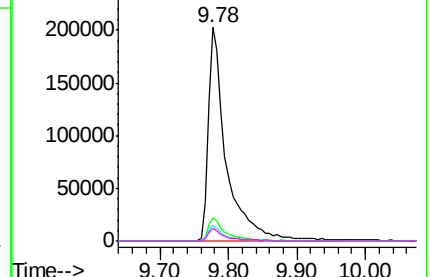
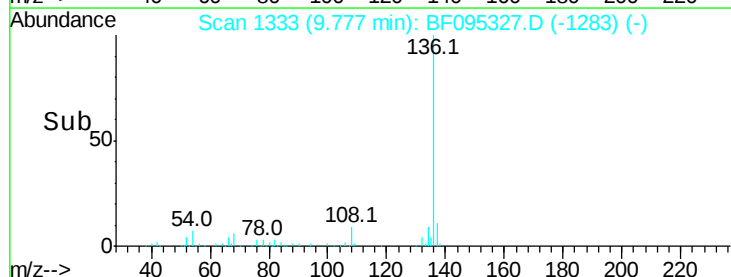


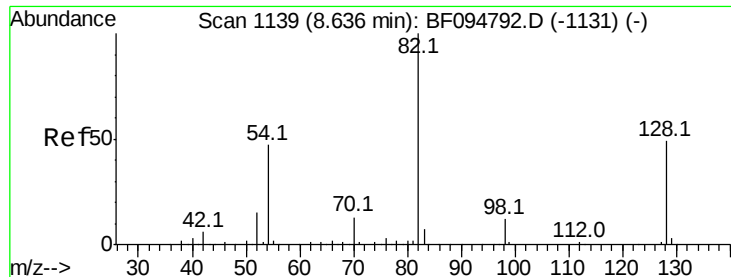
Abundance Ion 136.00 (135.70 to 136.70): E

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

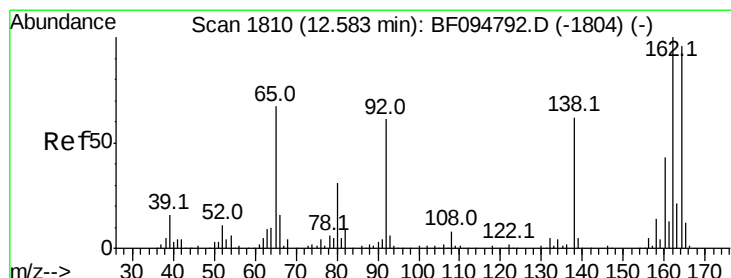
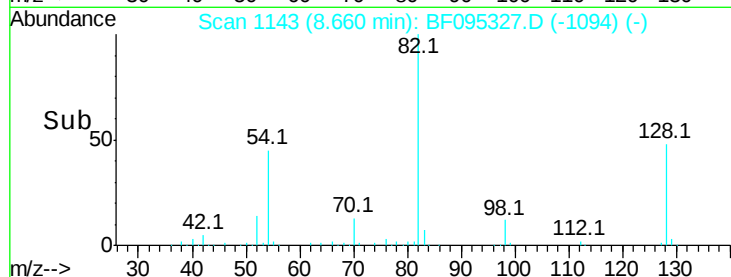
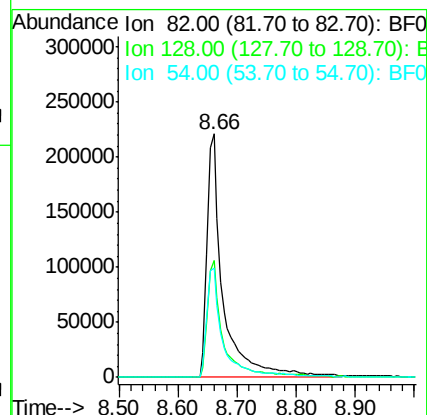
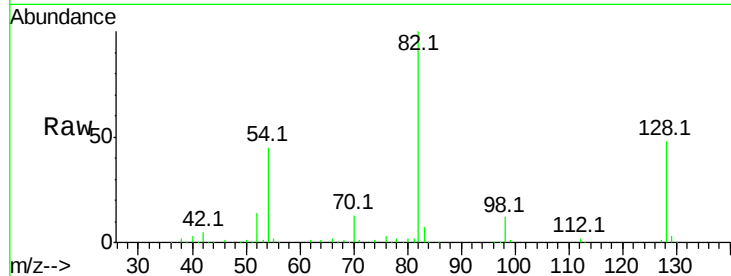




#23
Nitrobenzene-d5
Concen: 70.29 ng
RT: 8.66 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF095327.D
Acq: 22 May 2017 22:10

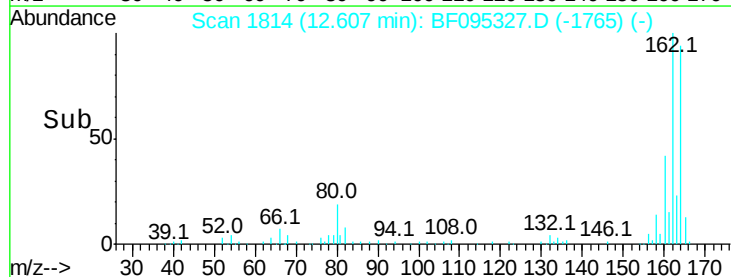
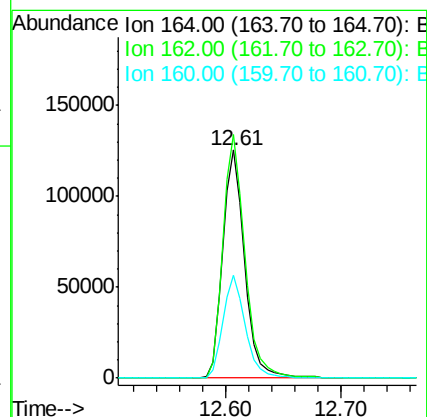
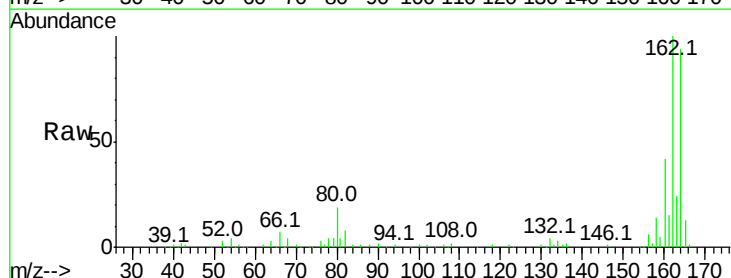
Instrument :
BNA_F
ClientSampled :
RT-4632

Tot Ion: 82 Resp: 420176
Ion Ratio Lower Upper
82 100
128 48.2 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: BF095327.D
Acq: 22 May 2017 22:10

Tgt Ion:164 Resp: 164856
Ion Ratio Lower Upper
164 100
162 106.9 82.6 123.8
160 45.0 36.2 54.2

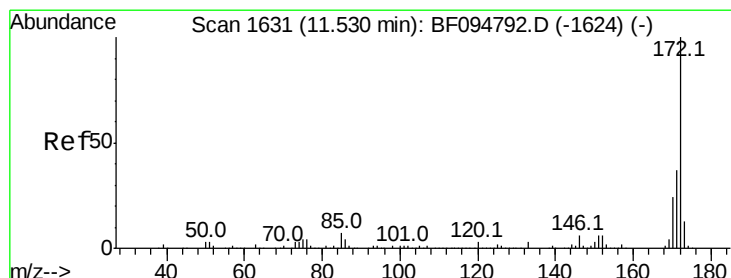
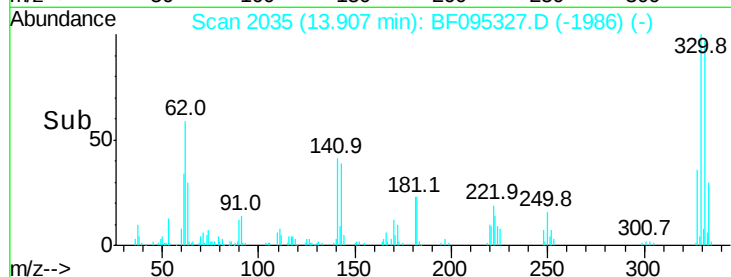
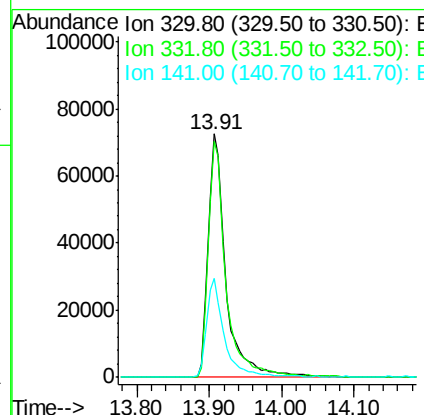
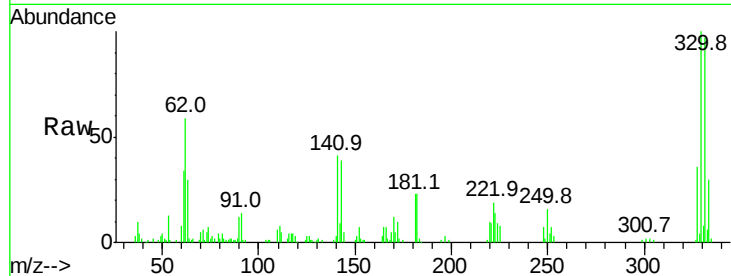




#41
 2,4,6-Tribromophenol
 Concen: 91.74 ng
 RT: 13.91 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF095327.D
 Acq: 22 May 2017 22:10

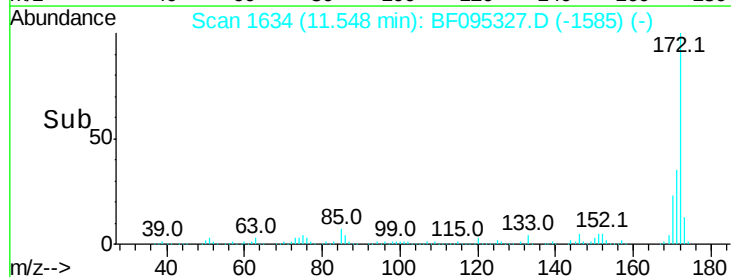
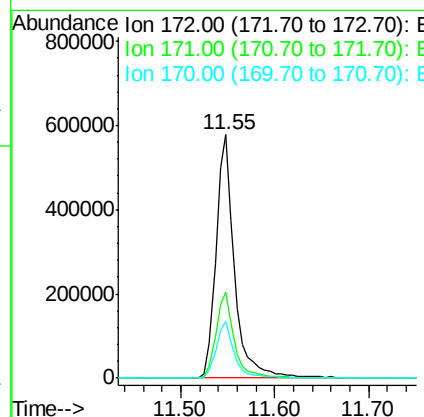
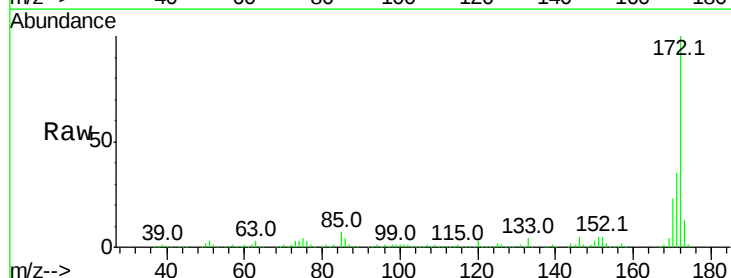
Instrument :
 BNA_F
 ClientSampleId :
 RT-4632

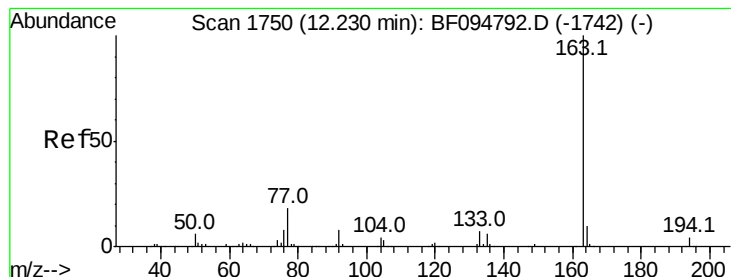
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	40.3	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 69.91 ng
 RT: 11.55 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: BF095327.D
 Acq: 22 May 2017 22:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	23.4	19.8	29.8





#49

Dimethylphthalate

Concen: 7.26 ng

RT: 12.25 min Scan# 1753

Delta R.T. -0.01 min

Lab File: BF095327.D

Acq: 22 May 2017 22:10

Instrument :

BNA_F

ClientSampleId :

RT-4632

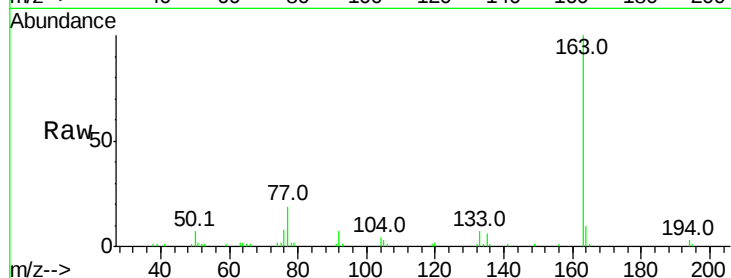
Tot Ion:163 Resp: 98265

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

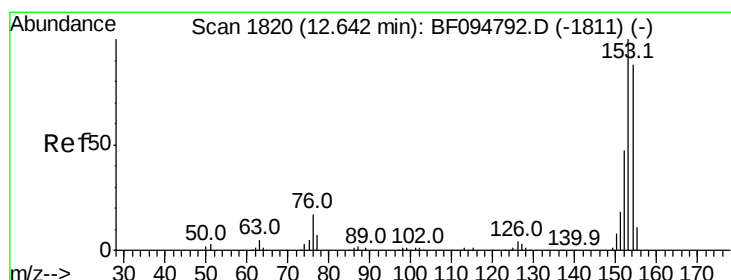
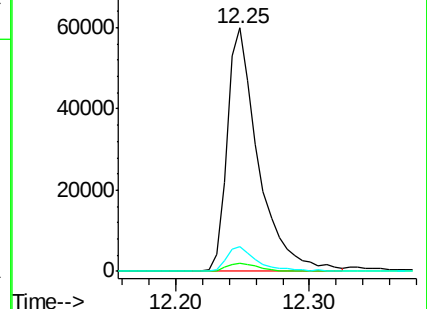
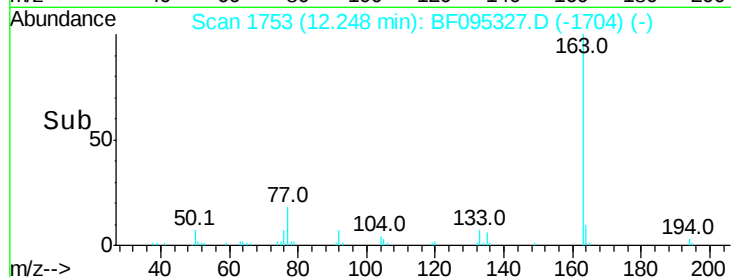
164 9.9 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 14.25 ng

RT: 12.66 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF095327.D

Acq: 22 May 2017 22:10

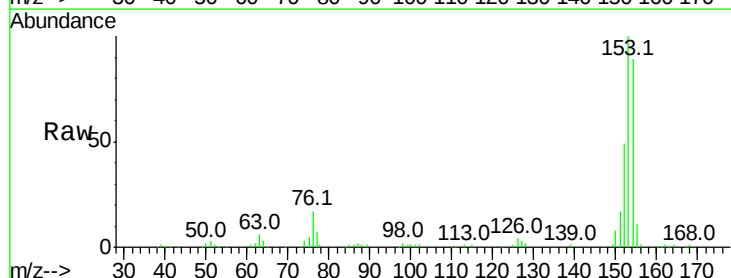
Tgt Ion:154 Resp: 149464

Ion Ratio Lower Upper

154 100

153 112.1 90.5 135.7

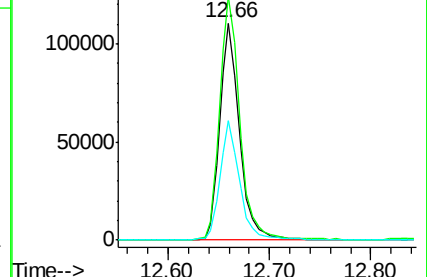
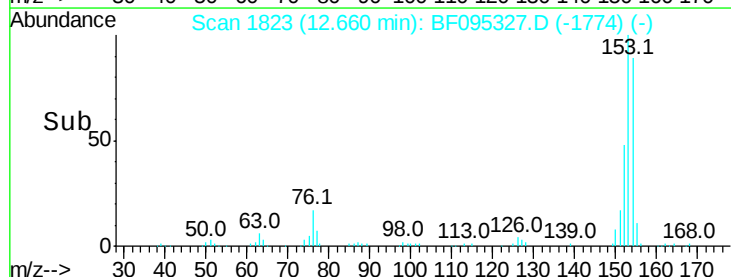
152 55.0 43.6 65.4

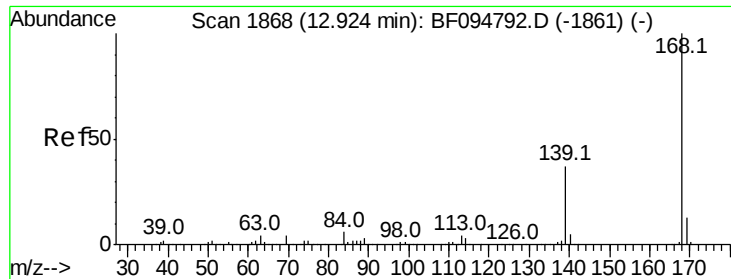


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

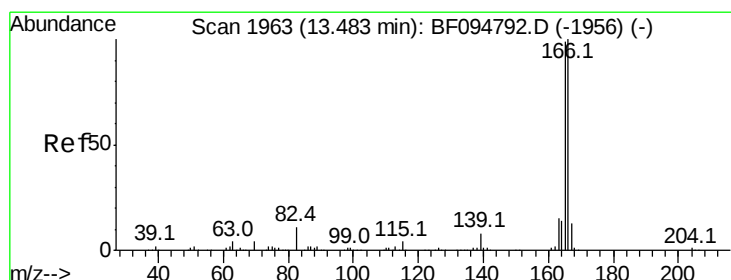
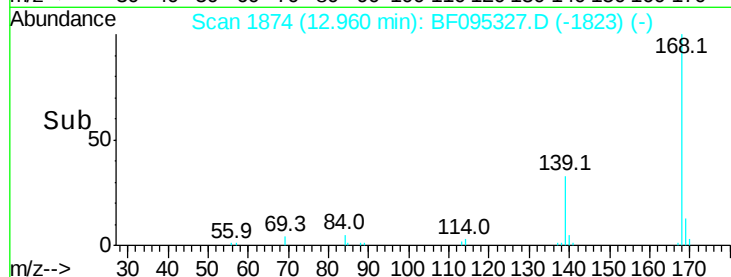
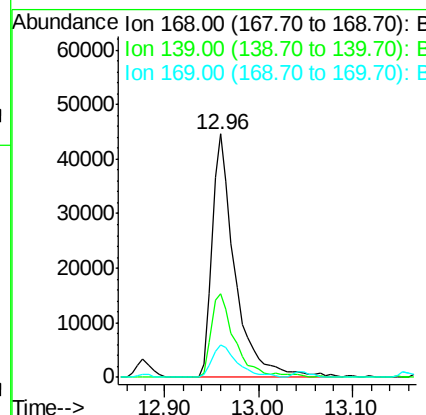
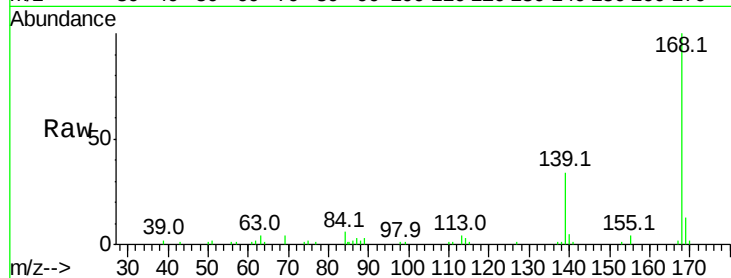




#54
Dibenzofuran
Concen: 5.27 ng
RT: 12.96 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BF095327.D
Acq: 22 May 2017 22:10

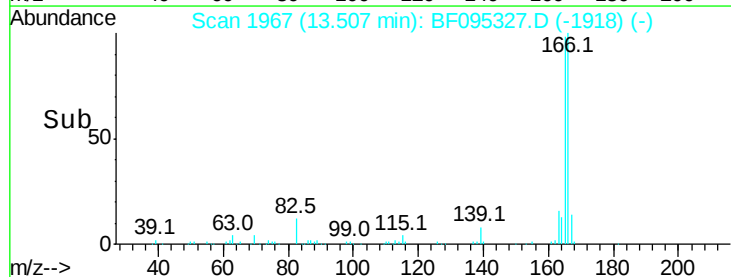
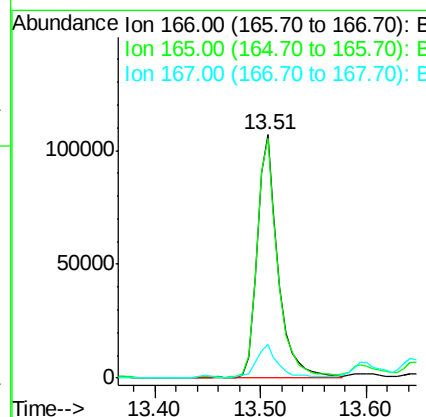
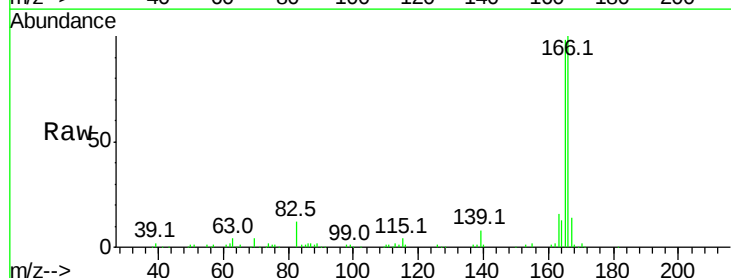
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RT-4632

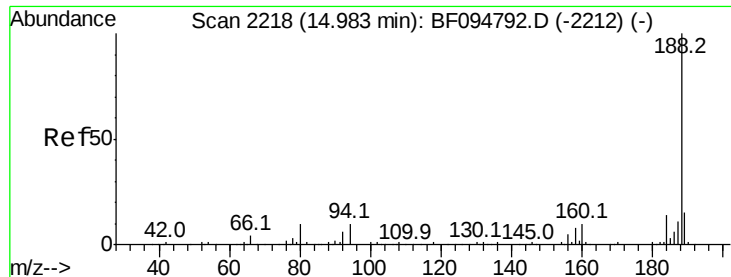
Tot Ion:168 Resp: 76419
Ion Ratio Lower Upper
168 100
139 34.3 30.6 45.8
169 13.1 10.8 16.2



#57
Fluorene
Concen: 11.73 ng
RT: 13.51 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BF095327.D
Acq: 22 May 2017 22:10

Tgt Ion:166 Resp: 148031
Ion Ratio Lower Upper
166 100
165 98.4 78.8 118.2
167 14.0 10.6 16.0

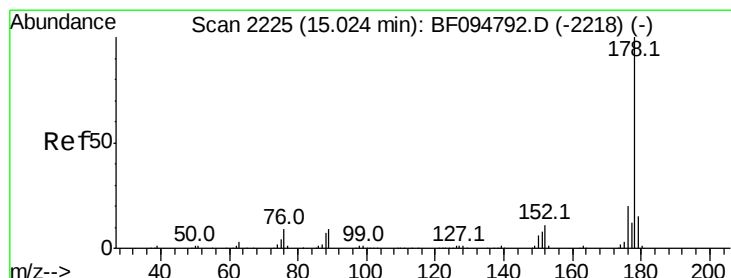
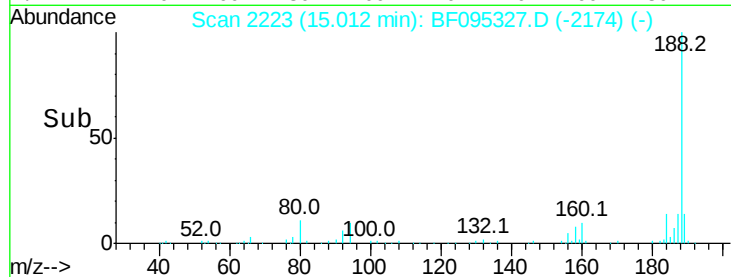
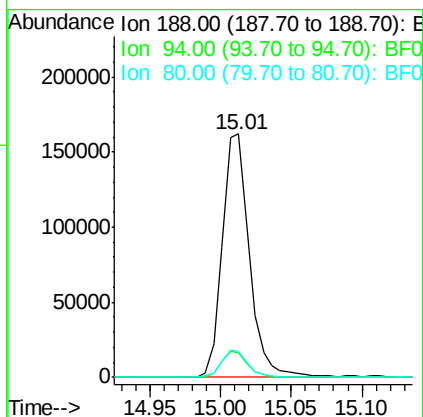
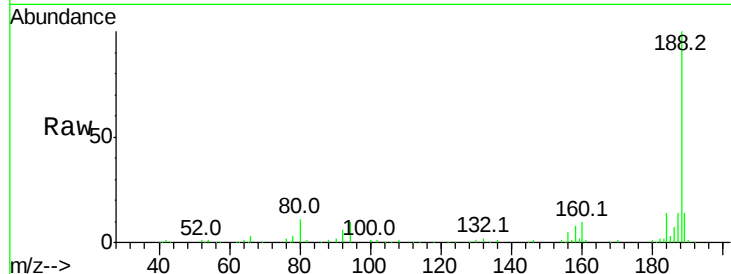




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.01 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF095327.D
 Acq: 22 May 2017 22:10

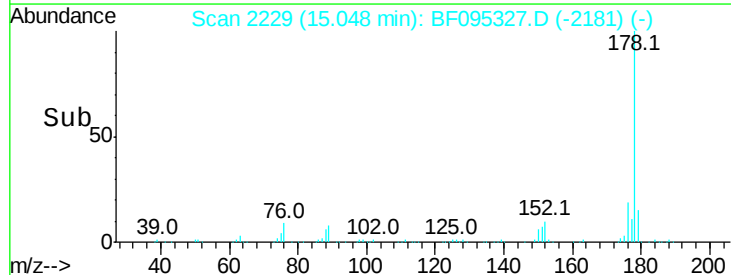
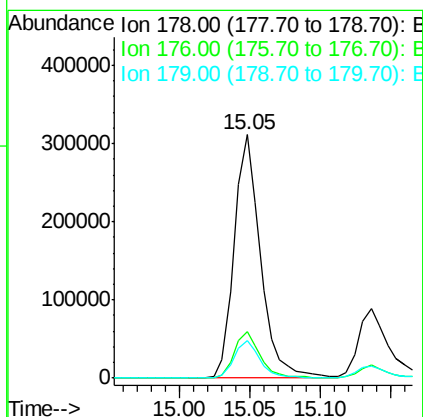
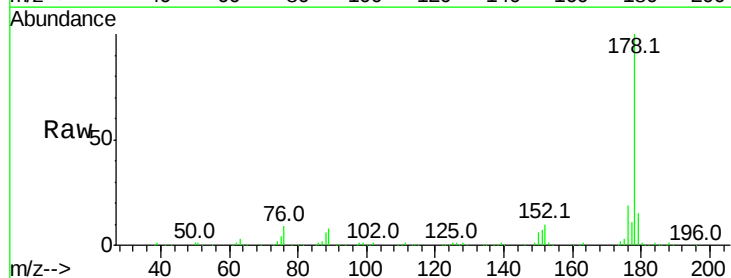
Instrument :
 BNA_F
 ClientSampleId :
 RT-4632

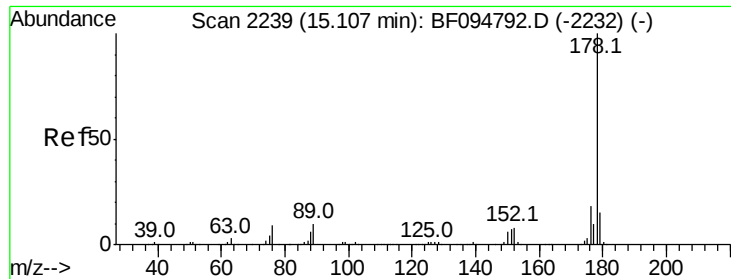
Tot Ion:188 Resp: 216020
 Ion Ratio Lower Upper
 188 100
 94 10.3 9.4 14.2
 80 10.6 10.2 15.2



#70
 Phenanthrene
 Concen: 32.74 ng
 RT: 15.05 min Scan# 2229
 Delta R.T. -0.02 min
 Lab File: BF095327.D
 Acq: 22 May 2017 22:10

Tgt Ion:178 Resp: 406314
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.2 24.4
 179 15.2 12.6 19.0

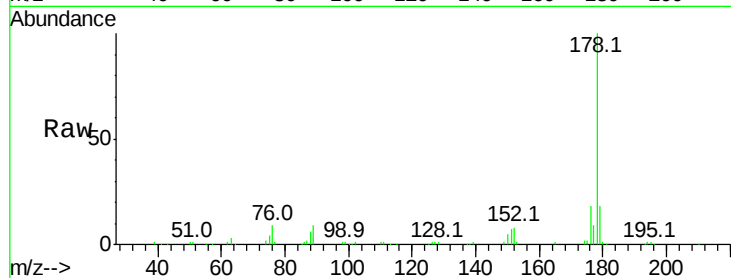




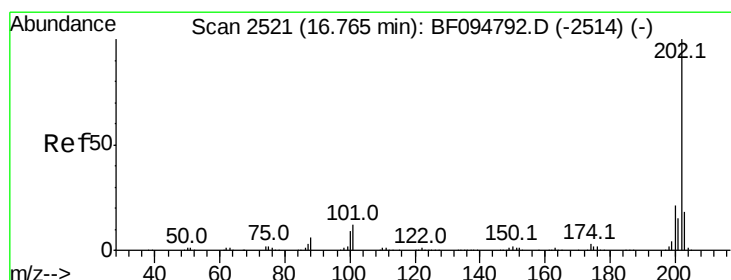
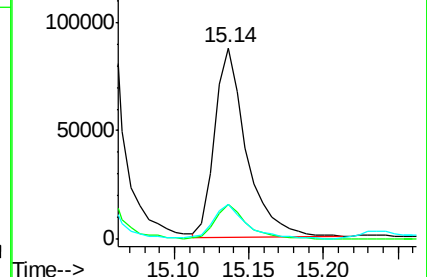
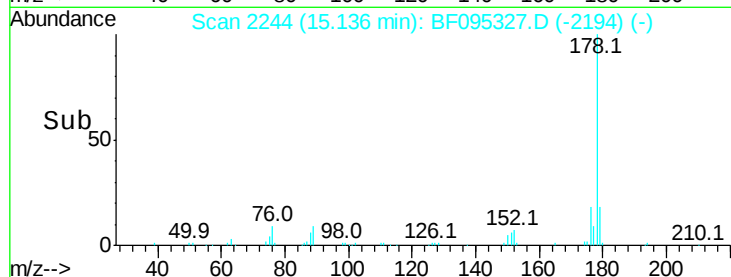
#71
 Anthracene
 Concen: 10.23 ng
 RT: 15.14 min Scan# 2244
 Delta R.T. -0.01 min
 Lab File: BF095327.D
 Acq: 22 May 2017 22:10

Instrument :
 BNA_F
 ClientSampleId :
 RT-4632

Tot Ion:178 Resp: 129751
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.8 23.8
 179 17.9 12.7 19.1

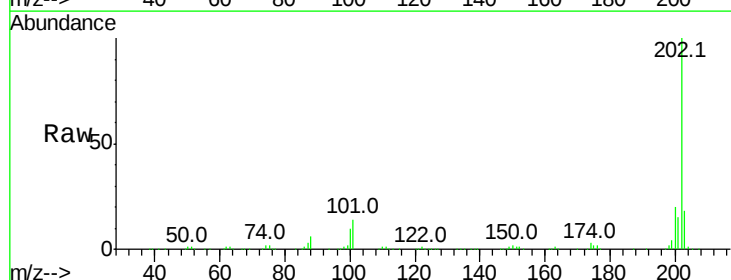


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

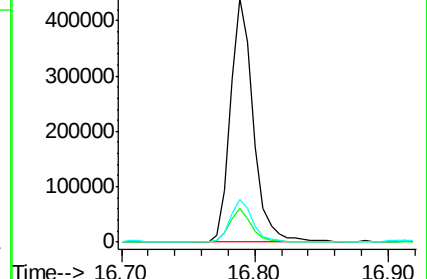
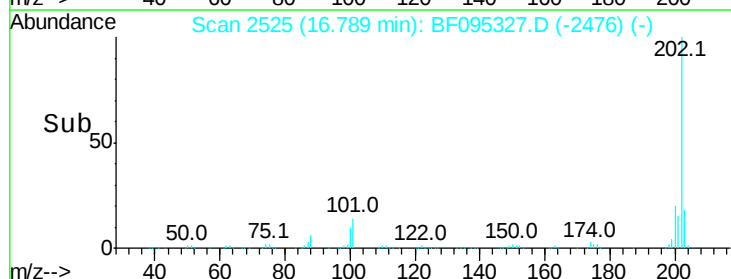


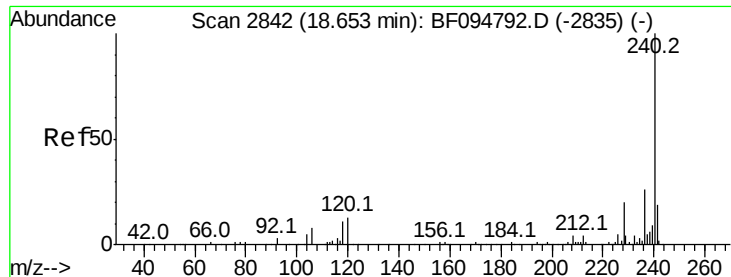
#74
 Fluoranthene
 Concen: 41.91 ng
 RT: 16.79 min Scan# 2525
 Delta R.T. -0.01 min
 Lab File: BF095327.D
 Acq: 22 May 2017 22:10

Tgt Ion:202 Resp: 533557
 Ion Ratio Lower Upper
 202 100
 101 13.9 0.0 33.2
 203 17.7 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: 18.68 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BF095327.D

Acq: 22 May 2017 22:10

Instrument :

BNA_F

ClientSampleId :

RT-4632

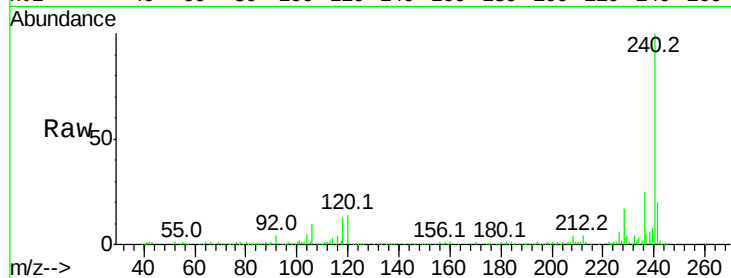
Tot Ion:240 Resp: 203146

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

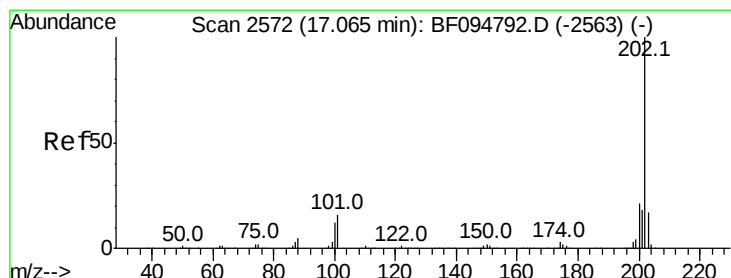
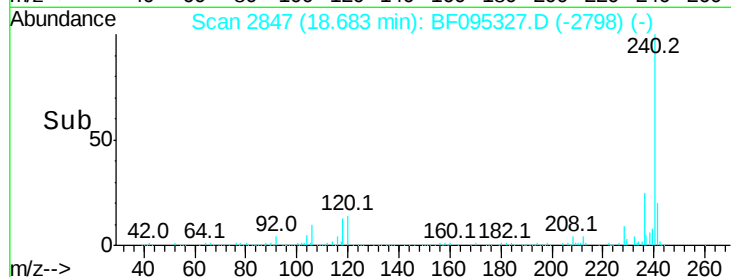
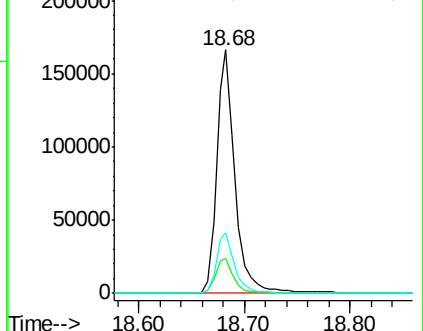
236 25.1 20.5 30.7



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: 24.97 ng

RT: 17.09 min Scan# 2577

Delta R.T. -0.01 min

Lab File: BF095327.D

Acq: 22 May 2017 22:10

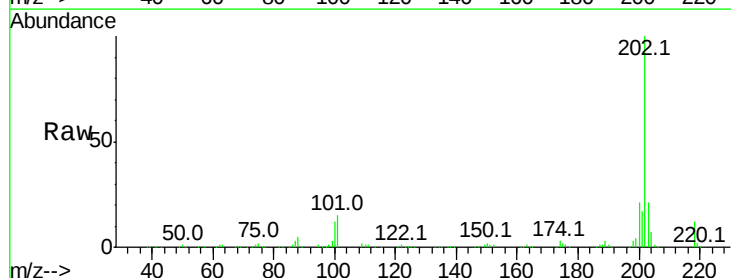
Tgt Ion:202 Resp: 379329

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

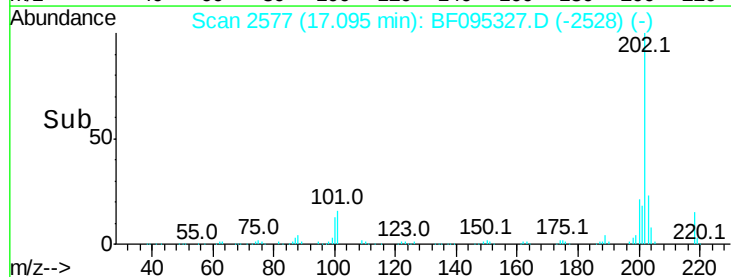
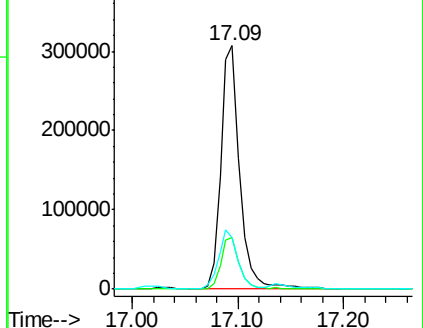
203 21.4 14.4 21.6

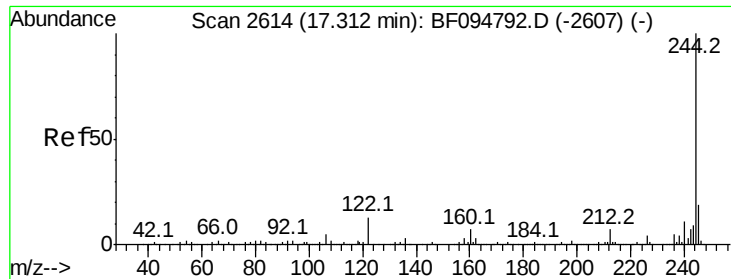


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 50.60 ng

RT: 17.33 min Scan# 2617

Delta R.T. -0.02 min

Lab File: BF095327.D

Acq: 22 May 2017 22:10

Instrument :

BNA_F

ClientSampleId :

RT-4632

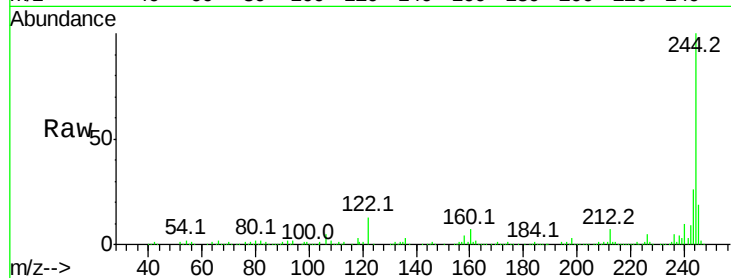
Tot Ion:244 Resp: 466721

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

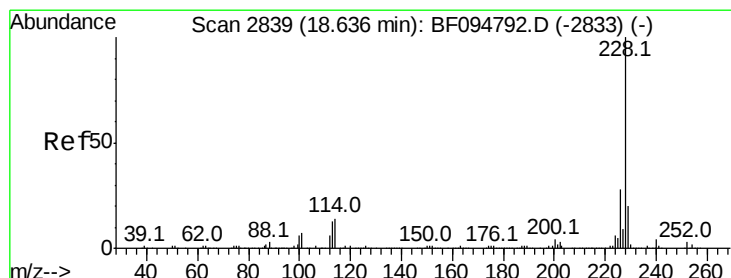
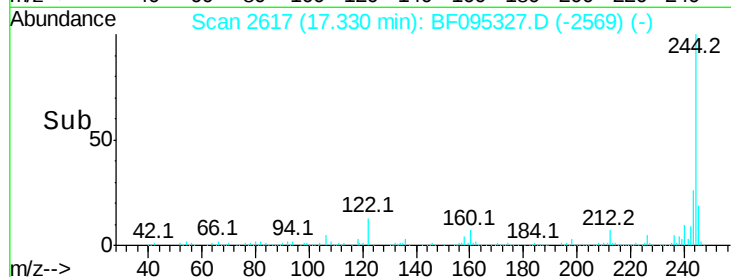
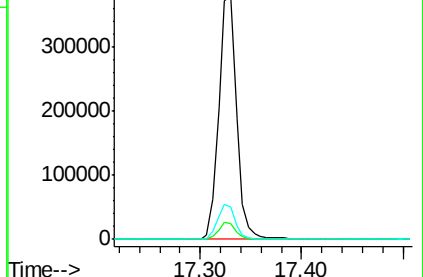
122 13.2 10.3 15.5



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: 9.99 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095327.D

Acq: 22 May 2017 22:10

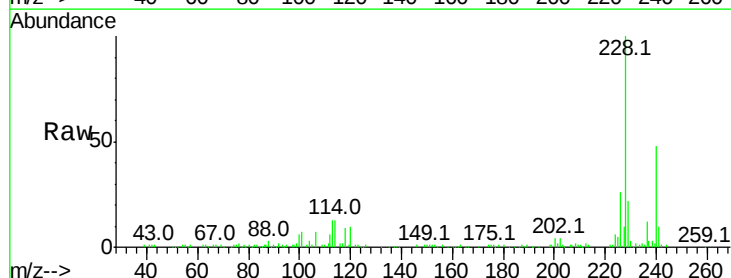
Tgt Ion:228 Resp: 118072

Ion Ratio Lower Upper

228 100

226 26.4 22.6 33.8

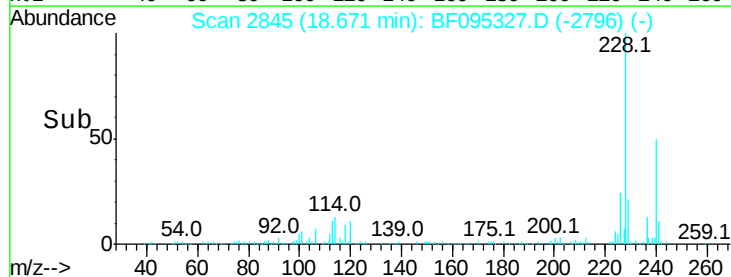
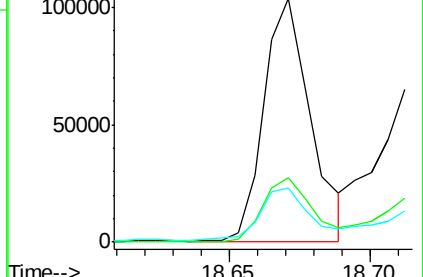
229 22.1 16.3 24.5

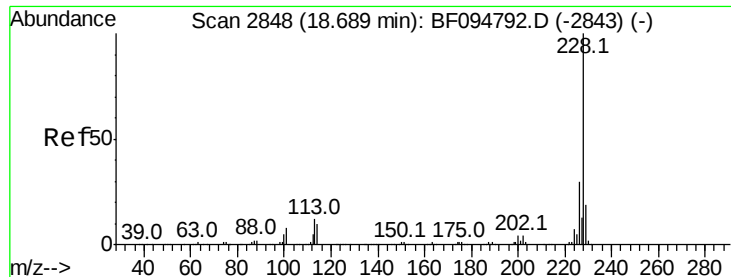


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.03 ng

RT: 18.72 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BF095327.D

Acq: 22 May 2017 22:10

Instrument :

BNA_F

ClientSampled :

RT-4632

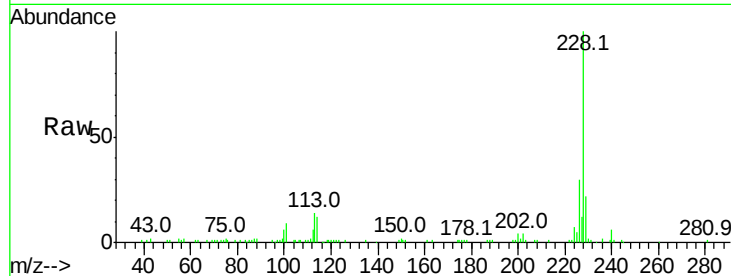
Tot Ion:228 Resp: 114662

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

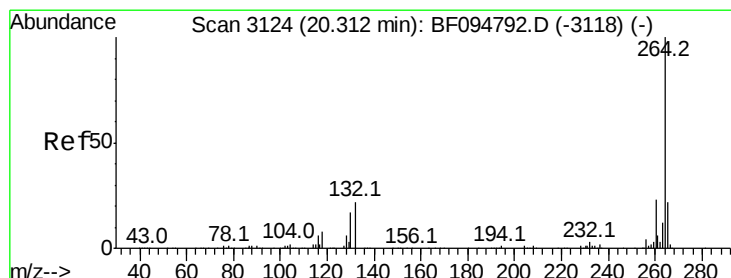
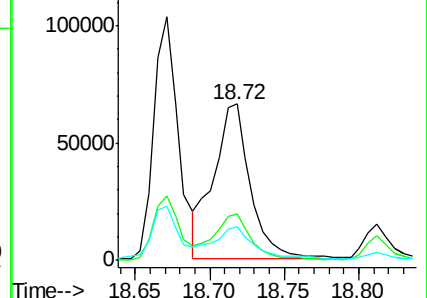
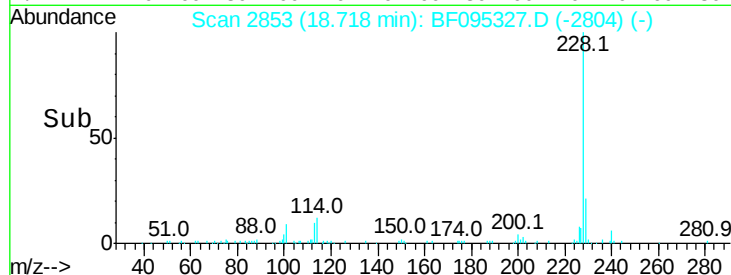
229 21.6 15.8 23.6



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.36 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BF095327.D

Acq: 22 May 2017 22:10

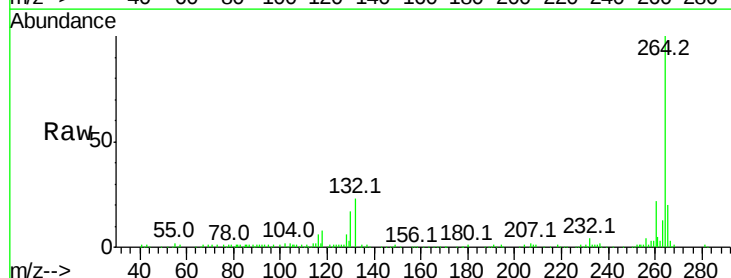
Tgt Ion:264 Resp: 165937

Ion Ratio Lower Upper

264 100

260 22.5 19.5 29.3

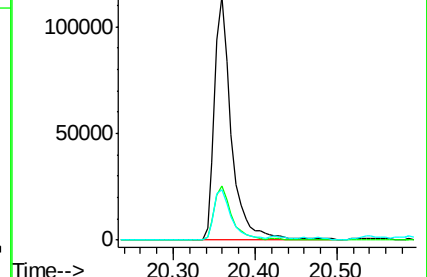
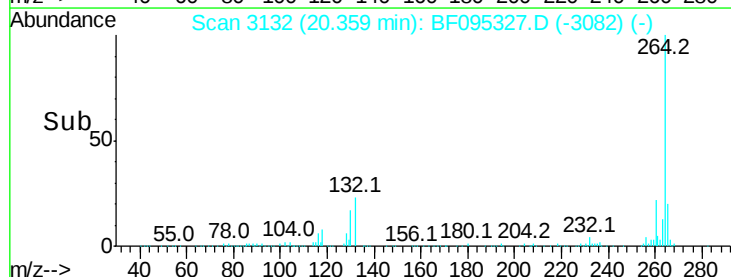
265 20.4 17.2 25.8

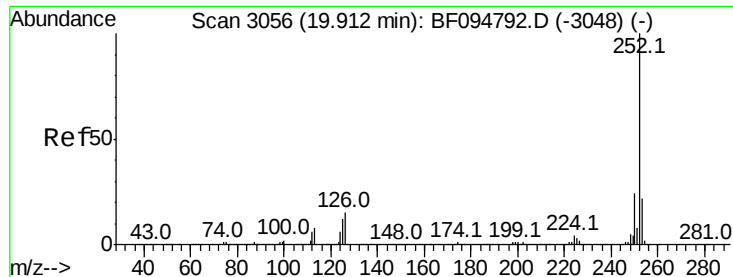


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

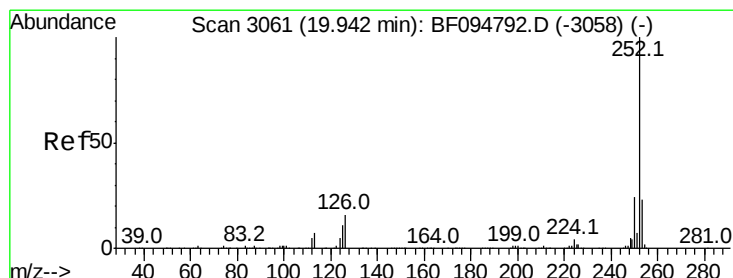
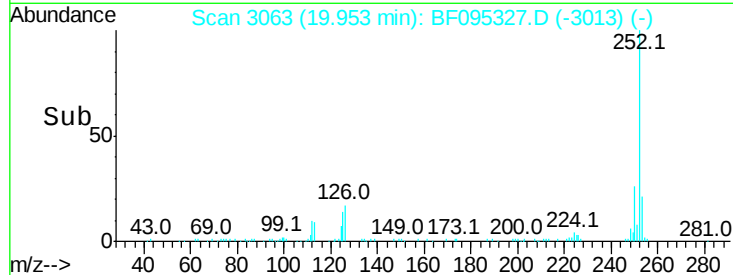
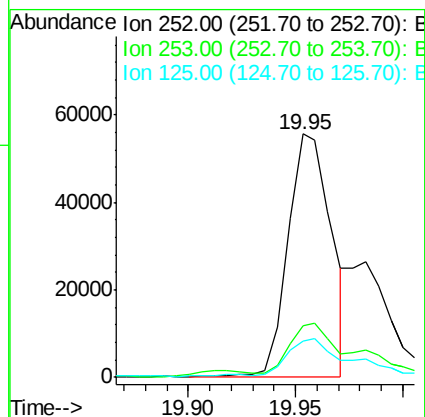
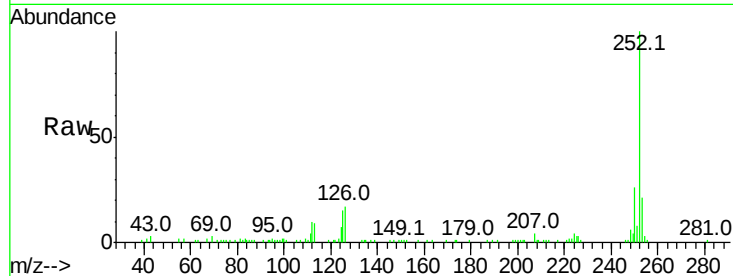




#87
Benzo(b)fluoranthene
Concen: 7.71 ng m
RT: 19.95 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BF095327.D
Acq: 22 May 2017 22:10

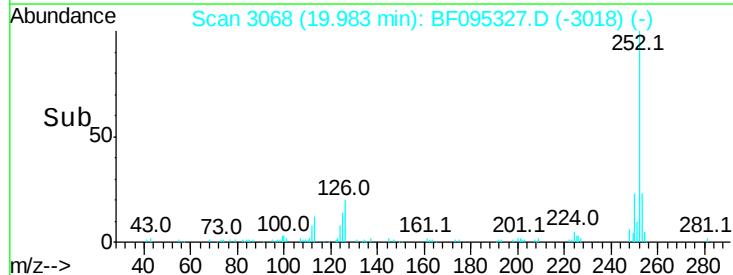
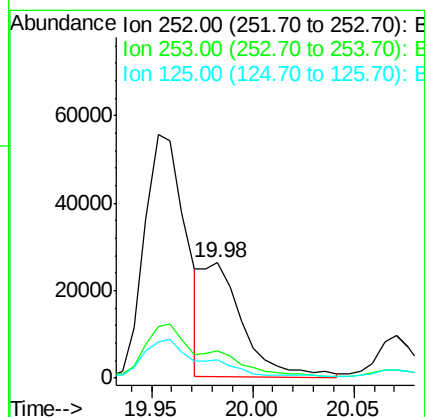
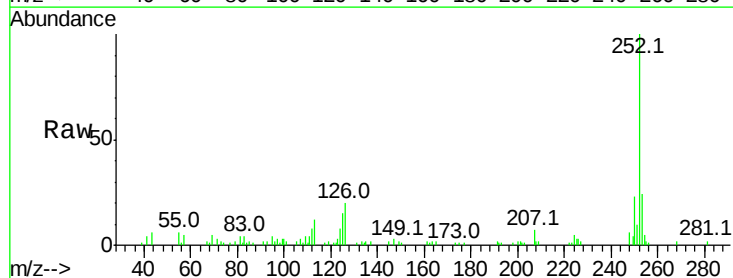
Instrument :
BNA_F
ClientSampleId :
RT-4632

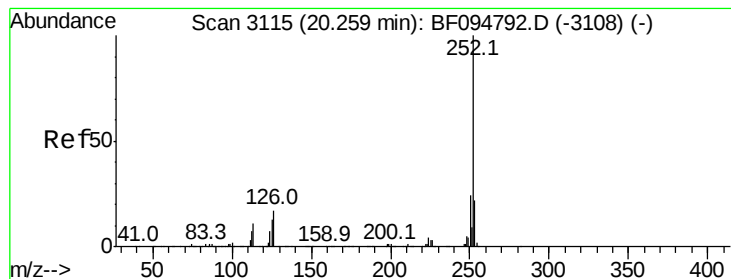
Tot Ion:252 Resp: 79037
Ion Ratio Lower Upper
252 100
253 21.4 18.1 27.1
125 14.8 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 3.64 ng m
RT: 19.98 min Scan# 3068
Delta R.T. -0.01 min
Lab File: BF095327.D
Acq: 22 May 2017 22:10

Tgt Ion:252 Resp: 36003
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 15.4 13.1 19.7





#89
Benzo(a)pyrene
Concen: 4.28 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095327.D
Acq: 22 May 2017 22:10

Instrument :
BNA_F
ClientSampleId :
RT-4632

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	16.3	11.0	16.4

