

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053017\
 Data File : BF095542.D
 Acq On : 30 May 2017 18:48
 Operator : SJ/MA
 Sample : I3281-19
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 01:41:42 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

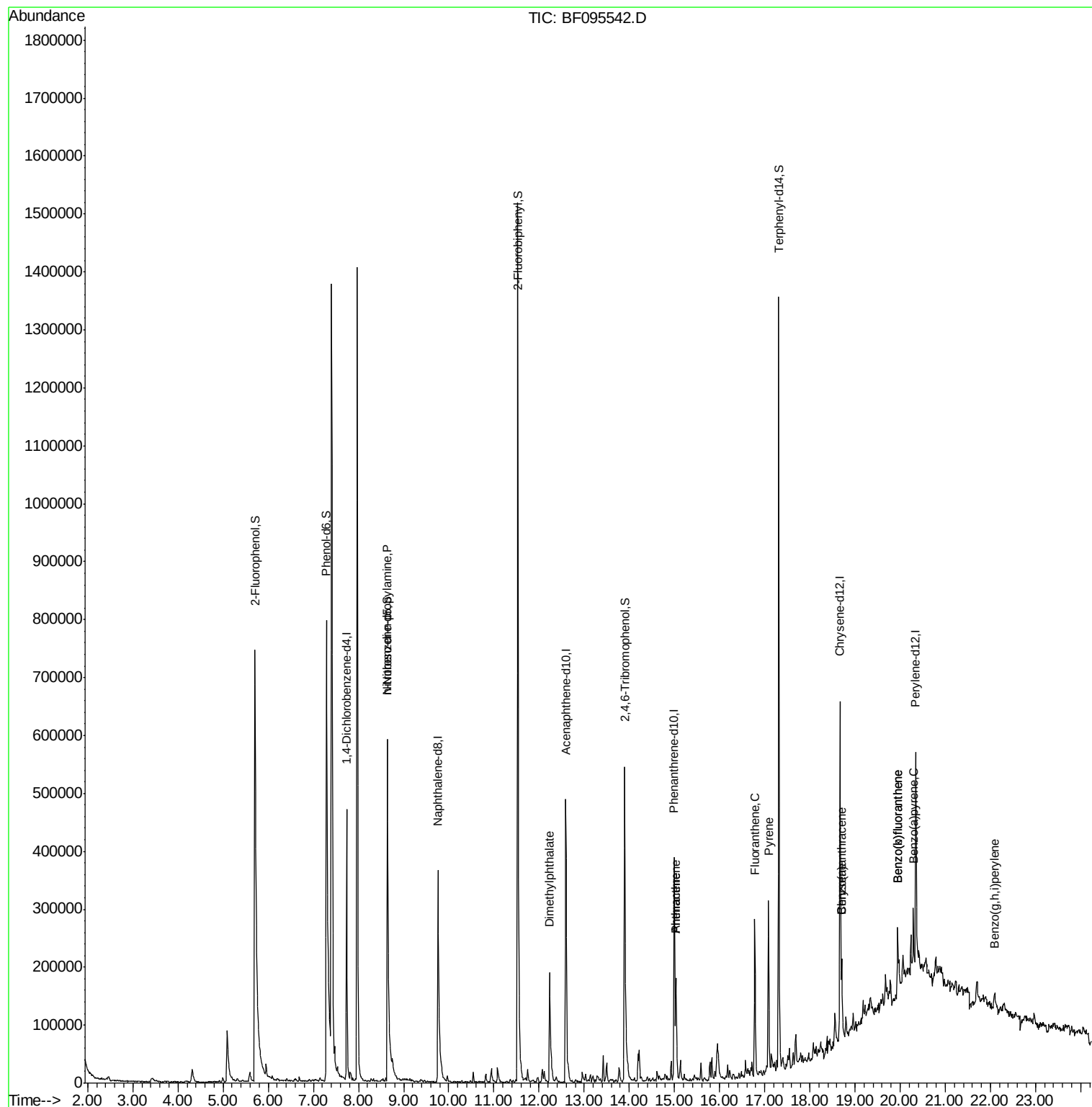
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	106410	20.00	ng	0.00
21) Naphthalene-d8	9.76	136	398189	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	165244	20.00	ng	0.00
63) Phenanthrene-d10	14.99	188	249020	20.00	ng	0.00
75) Chrysene-d12	18.67	240	237420	20.00	ng	0.00
86) Perylene-d12	20.35	264	188039	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	670640	105.07	ng	0.00
7) Phenol-d6	7.29	99	814912	106.41	ng	0.00
23) Nitrobenzene-d5	8.64	82	451778	71.55	ng	-0.01
41) 2,4,6-Tribromophenol	13.90	330	122573	90.57	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	860156	74.92	ng	0.00
78) Terphenyl-d14	17.31	244	518549	48.11	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.64	70	50693	9.79	ng	Qvalue # 74
49) Dimethylphthalate	12.23	163	174386	12.85	ng	99
70) Phenanthrene	15.04	178	111457	7.79	ng	96
71) Anthracene	15.04	178	111457	7.63	ng	97
74) Fluoranthene	16.78	202	158728	10.81	ng	98
77) Pyrene	17.08	202	142196	8.01	ng	96
80) Benzo(a)anthracene	18.71	228	63262	4.58	ng	97
82) Chrysene	18.71	228	63262	4.73	ng	96
87) Benzo(b)fluoranthene	19.95	252	85127	7.33	ng	# 91
88) Benzo(k)fluoranthene	19.95	252	85127	7.60	ng	95
89) Benzo(a)pyrene	20.30	252	48227	4.50	ng	# 92
91) Benzo(a,h,i)perylene	22.09	276	22273	2.56	ng	96

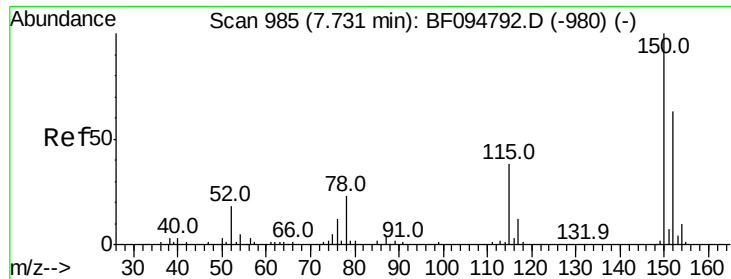
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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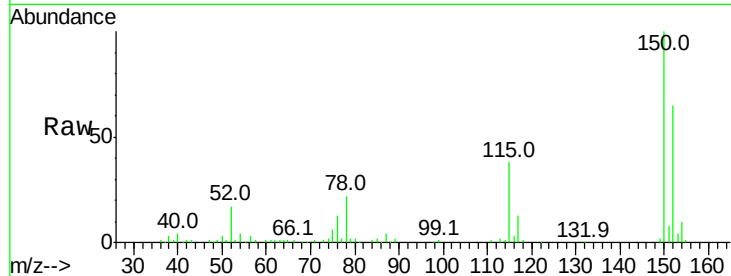


#1

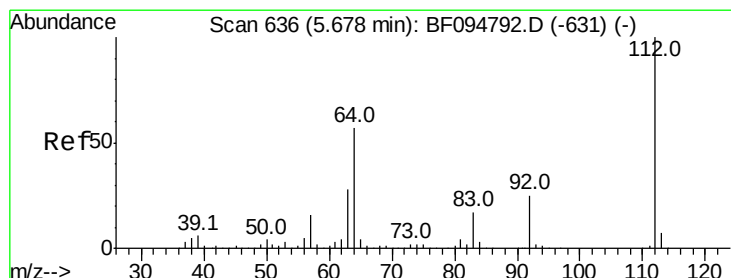
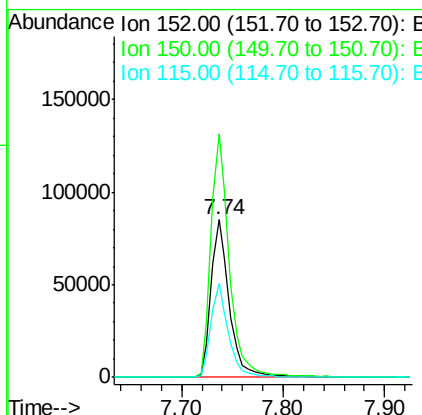
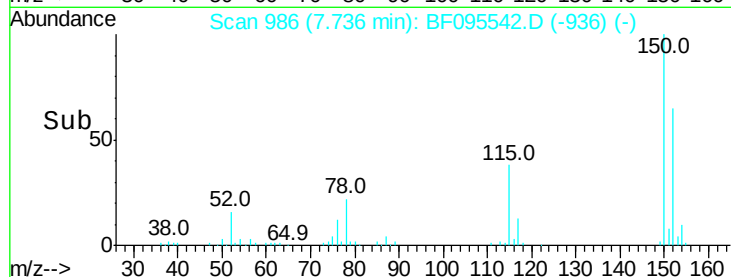
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 106410
Ion Ratio Lower Upper
152 100
150 154.5 126.2 189.2
115 59.3 52.2 78.2



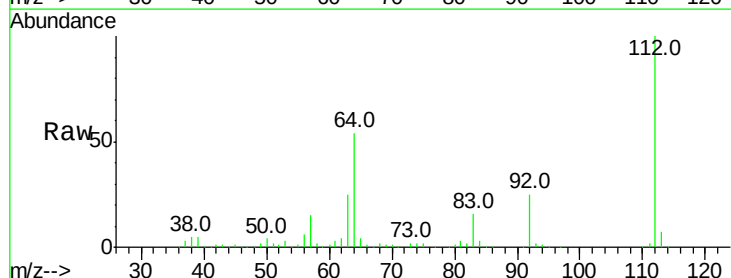
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



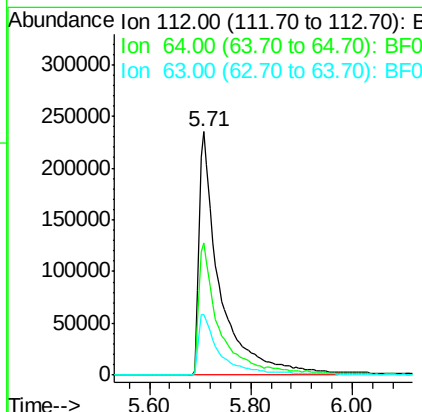
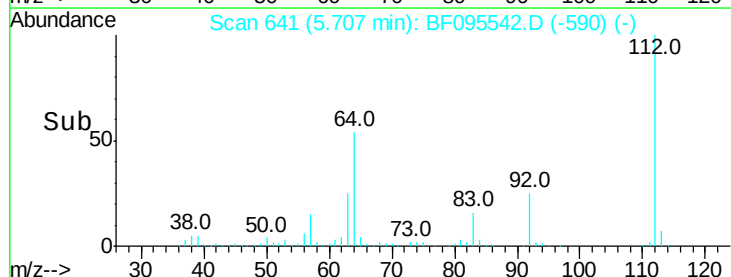
#5

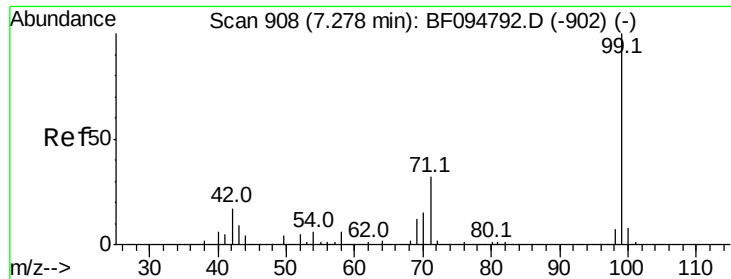
2-Fluorophenol
Concen: 105.07 ng
RT: 5.71 min Scan# 641
Delta R.T. -0.00 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

Tgt Ion:112 Resp: 670640
Ion Ratio Lower Upper
112 100
64 54.3 46.0 69.0
63 25.0 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: 106.41 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF095542.D

Acq: 30 May 2017 18:48

Instrument :

BNA_F

ClientSampleId :

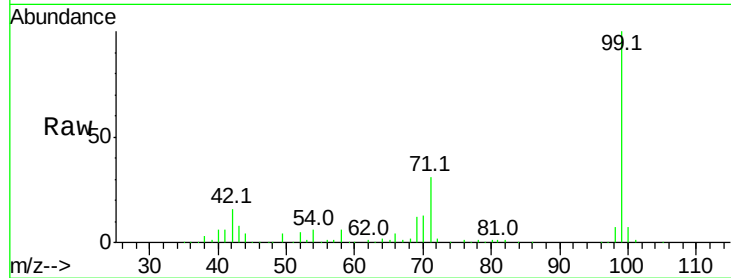
Tot Ion: 99 Resp: 814912

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

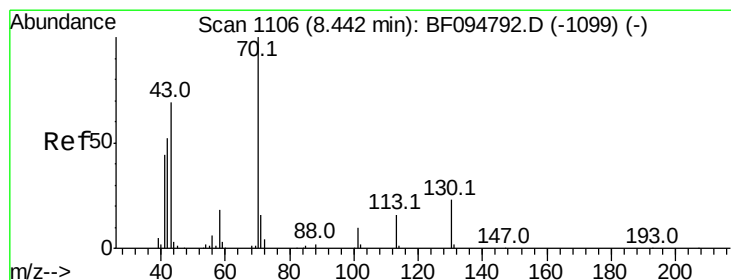
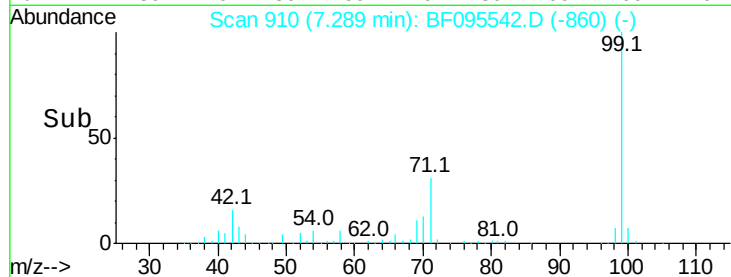
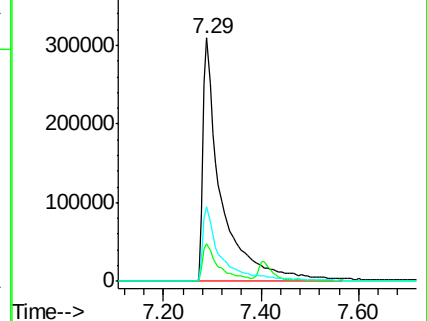
71 30.6 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 9.79 ng

RT: 8.64 min Scan# 1140

Delta R.T. 0.18 min

Lab File: BF095542.D

Acq: 30 May 2017 18:48

Tgt Ion: 70 Resp: 50693

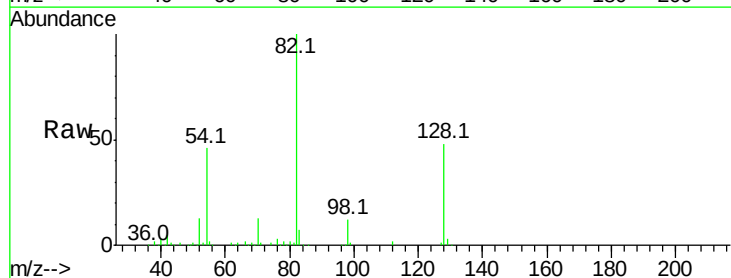
Ion Ratio Lower Upper

70 100

42 42.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

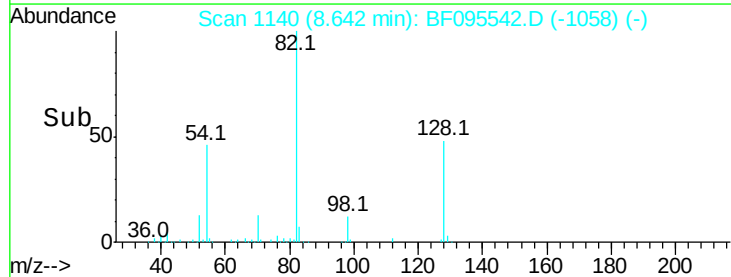
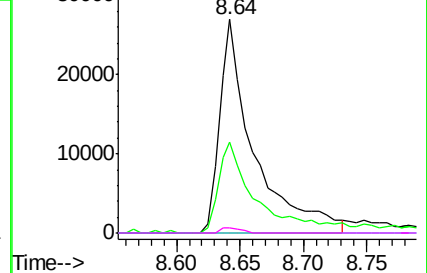


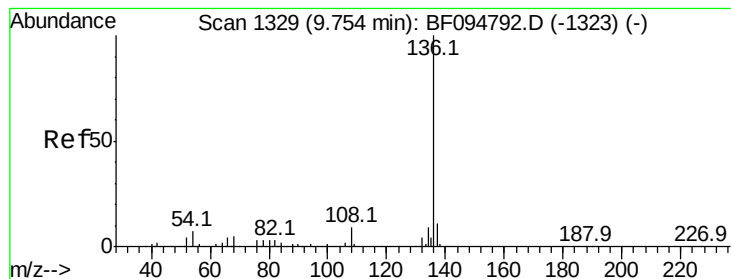
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.76 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BF095542.D

Acq: 30 May 2017 18:48

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 398189

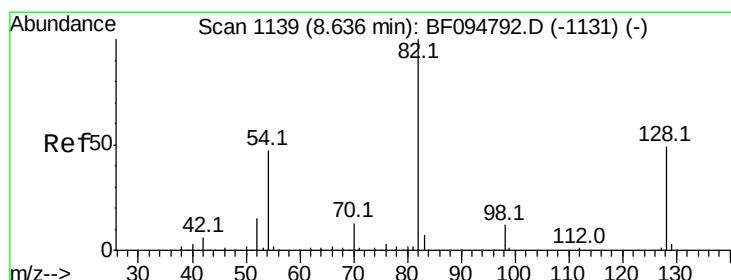
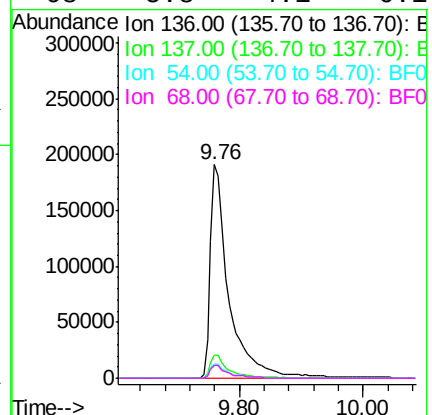
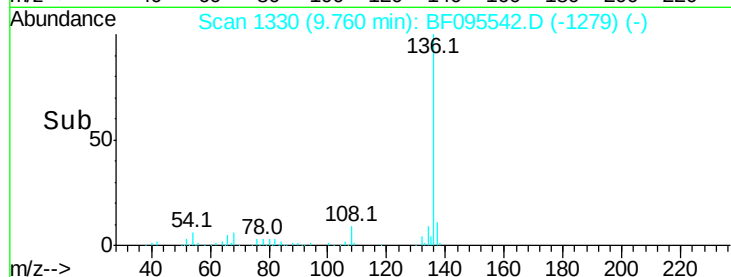
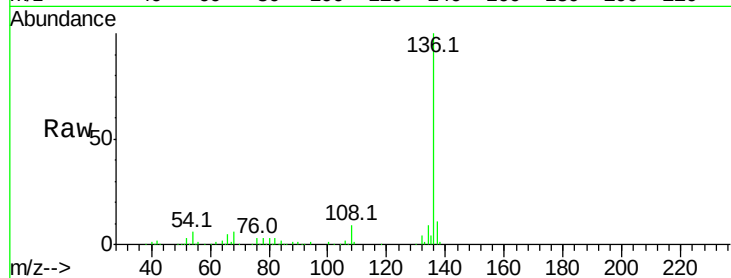
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 6.4 4.9 7.3

68 5.8 4.1 6.1



#23

Nitrobenzene-d5

Concen: 71.55 ng

RT: 8.64 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF095542.D

Acq: 30 May 2017 18:48

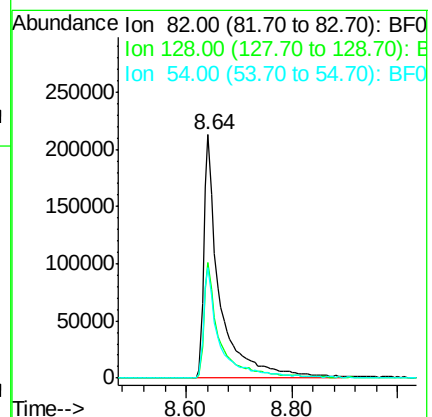
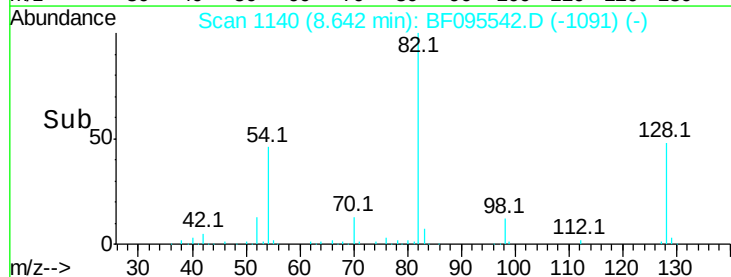
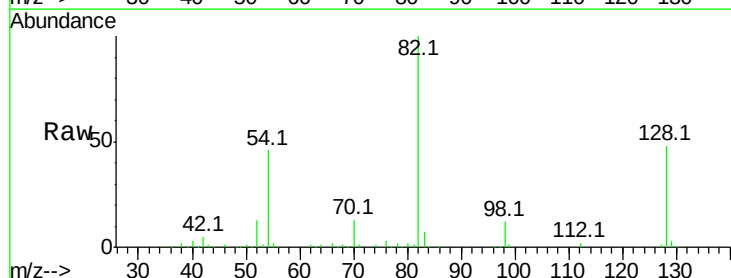
Tgt Ion: 82 Resp: 451778

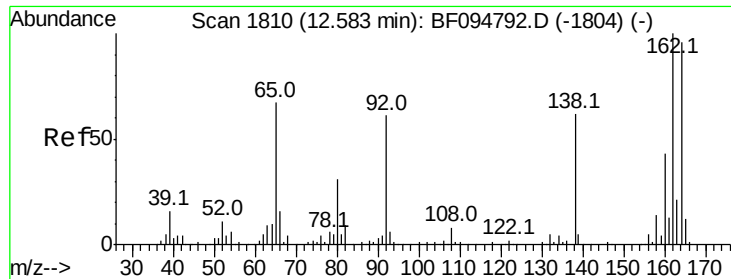
Ion Ratio Lower Upper

82 100

128 47.5 34.0 51.0

54 45.6 42.2 63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.59 min Scan# 1812

Delta R.T. -0.00 min

Lab File: BF095542.D

Acq: 30 May 2017 18:48

Instrument :

BNA_F

ClientSampleId :

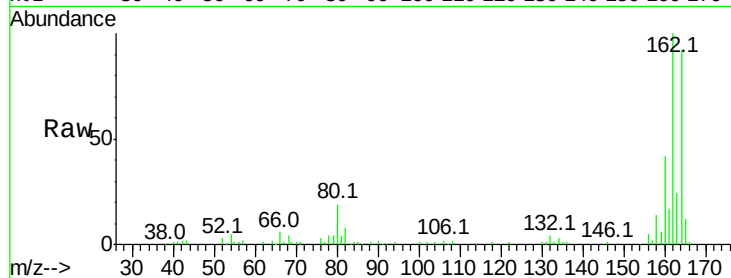
Tot Ion:164 Resp: 165244

Ion Ratio Lower Upper

164 100

162 108.4 82.6 123.8

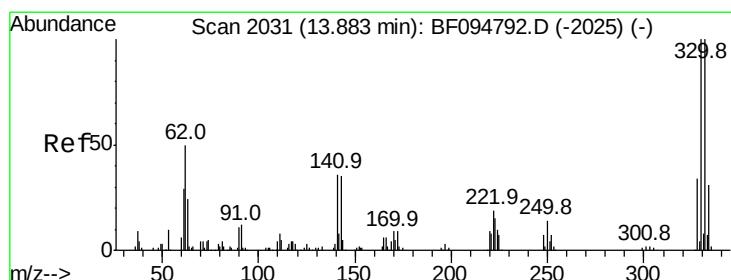
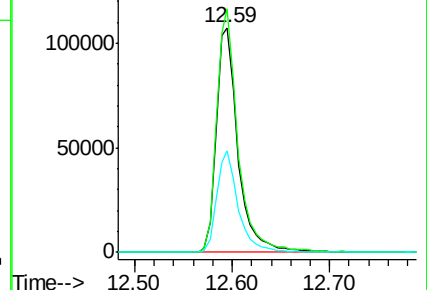
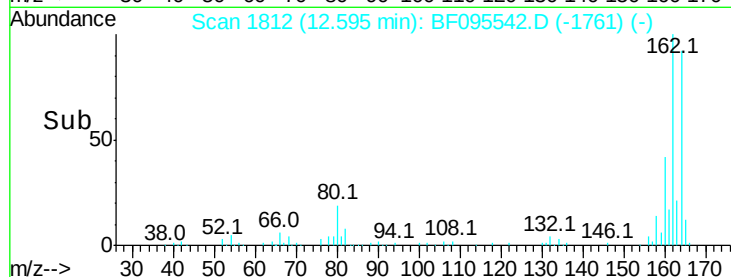
160 45.0 36.2 54.2



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: 90.57 ng

RT: 13.90 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF095542.D

Acq: 30 May 2017 18:48

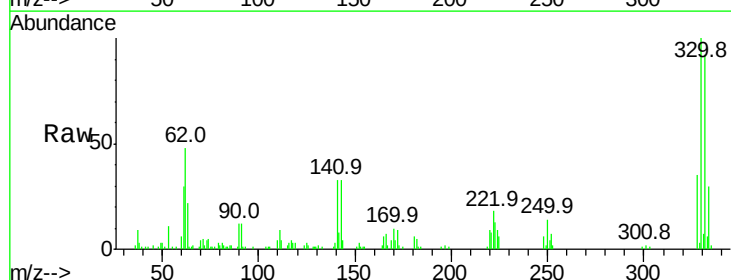
Tgt Ion:330 Resp: 122573

Ion Ratio Lower Upper

330 100

332 94.4 76.6 115.0

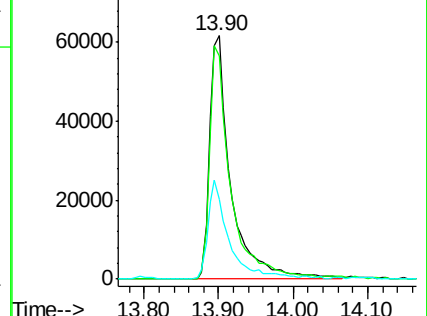
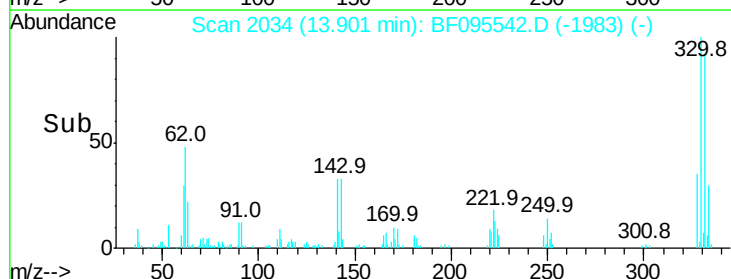
141 40.6 31.4 47.2

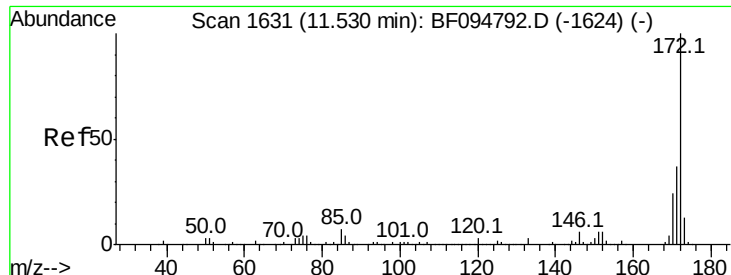


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

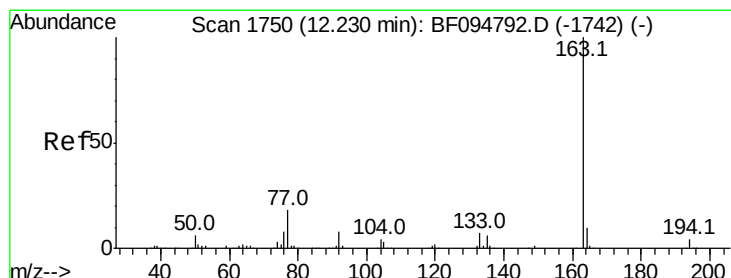
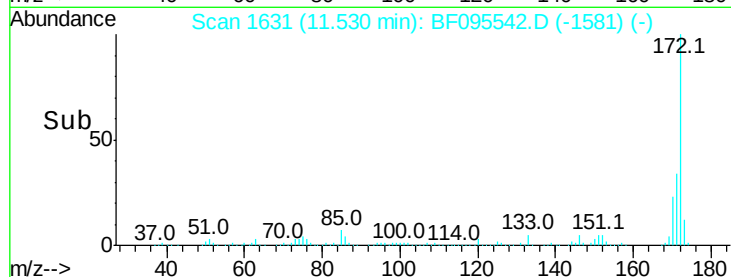
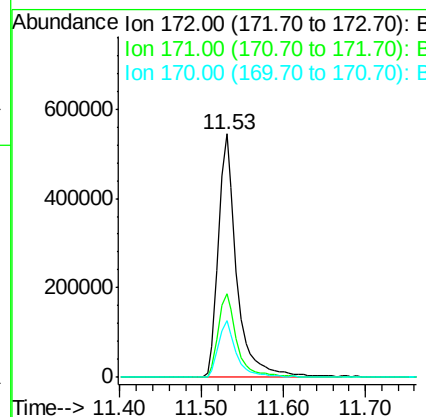
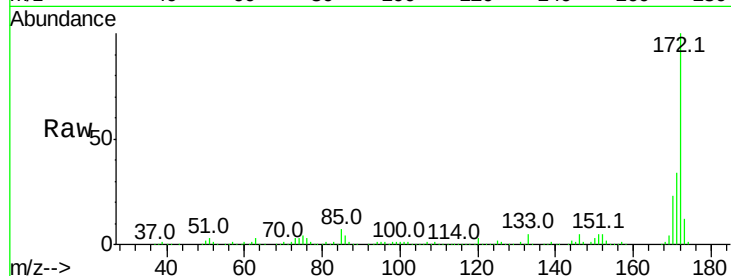




#44
2-Fluorobiphenyl
Concen: 74.92 ng
RT: 11.53 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

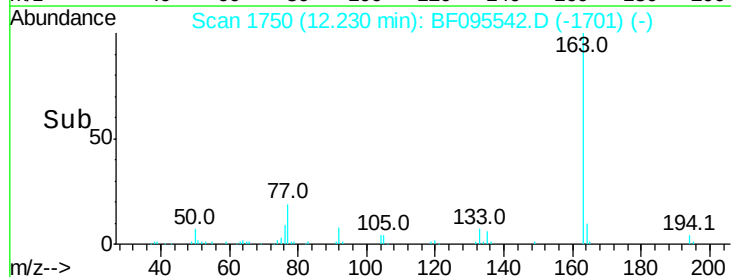
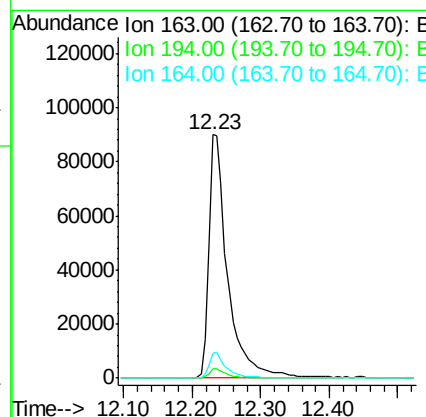
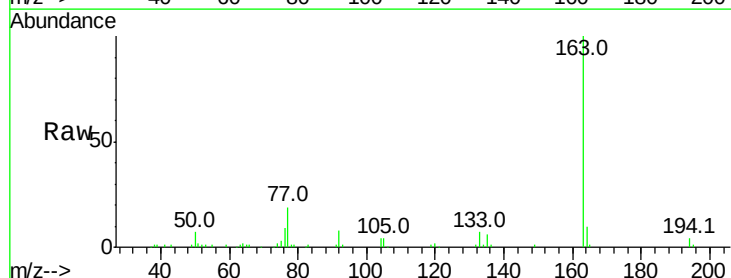
Instrument :
BNA_F
ClientSampleId :

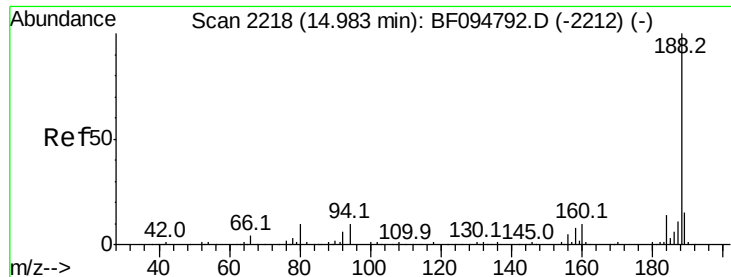
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.6	44.4
170	23.2	19.8	29.8



#49
Dimethylphthalate
Concen: 12.85 ng
RT: 12.23 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.6	4.0
164	10.0	8.4	12.6

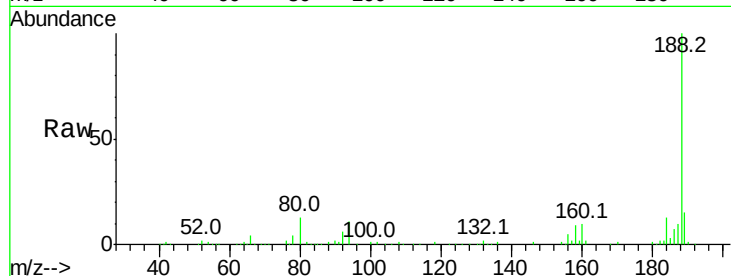




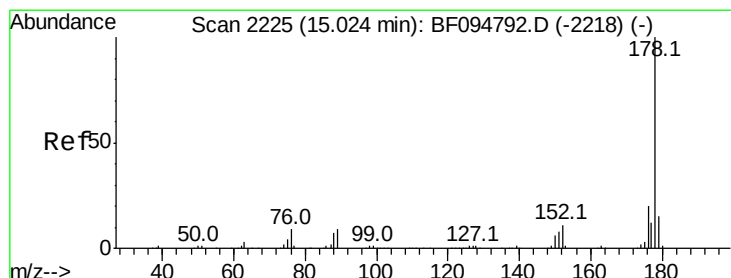
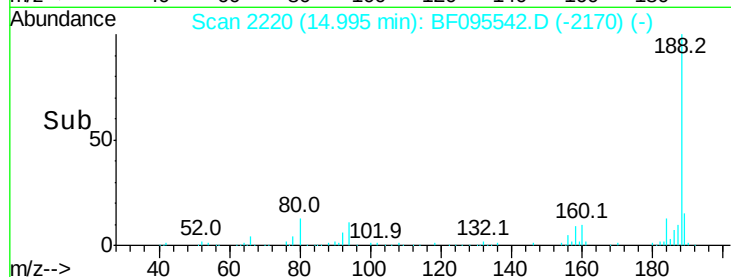
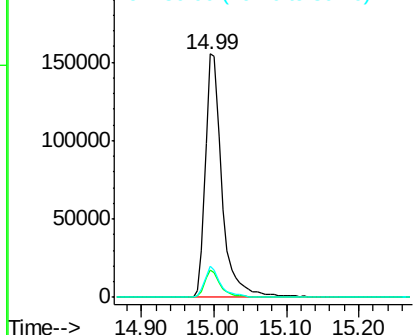
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.99 min Scan# 2220
 Delta R.T. -0.01 min
 Lab File: BF095542.D
 Acq: 30 May 2017 18:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 249020
 Ion Ratio Lower Upper
 188 100
 94 11.0 9.4 14.2
 80 12.6 10.2 15.2

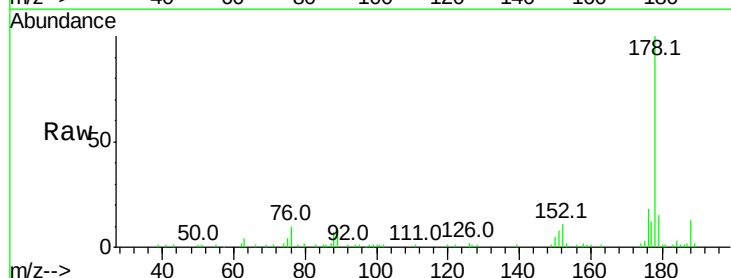


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

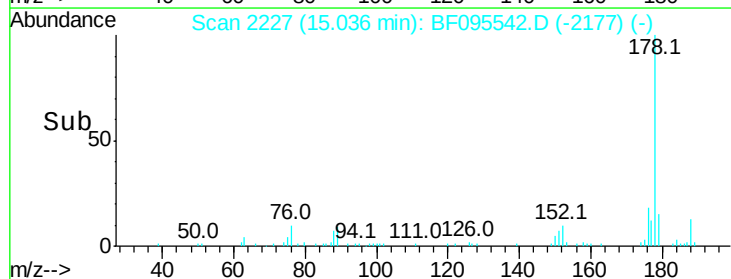
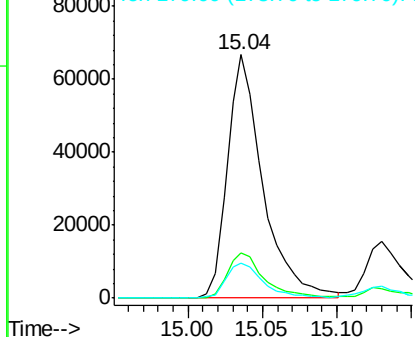


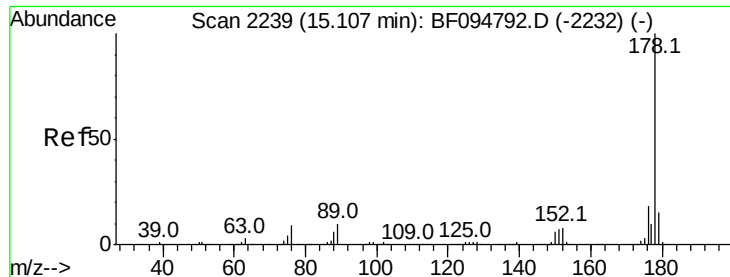
#70
 Phenanthrene
 Concen: 7.79 ng
 RT: 15.04 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BF095542.D
 Acq: 30 May 2017 18:48

Tgt Ion:178 Resp: 111457
 Ion Ratio Lower Upper
 178 100
 176 18.4 16.2 24.4
 179 14.6 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

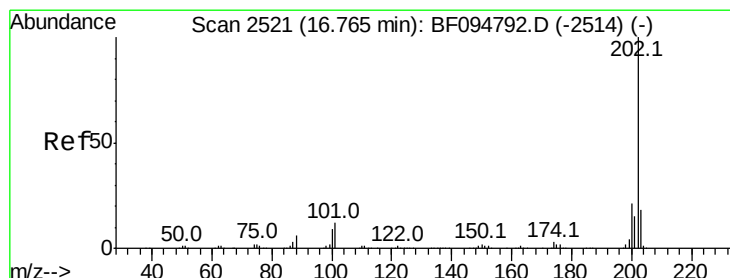
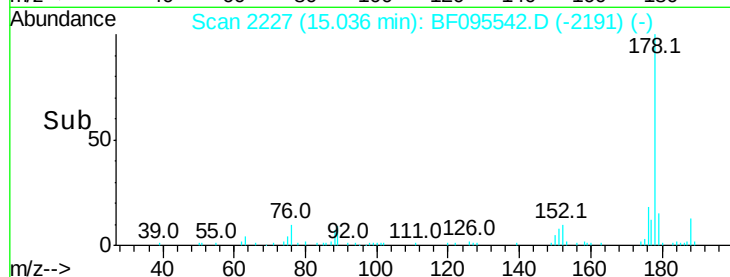
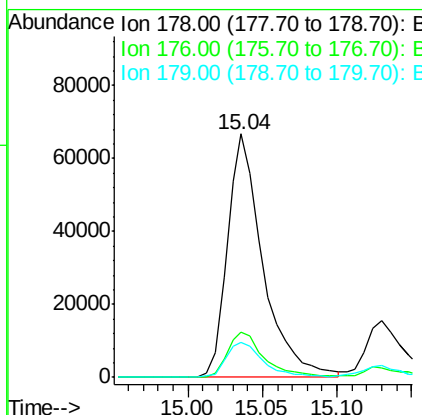
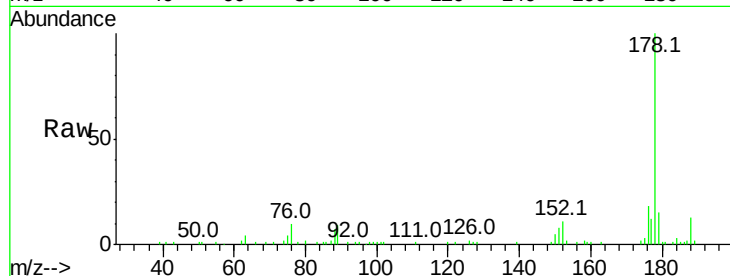




#71
 Anthracene
 Concen: 7.63 ng
 RT: 15.04 min Scan# 2227
 Delta R.T. -0.09 min
 Lab File: BF095542.D
 Acq: 30 May 2017 18:48

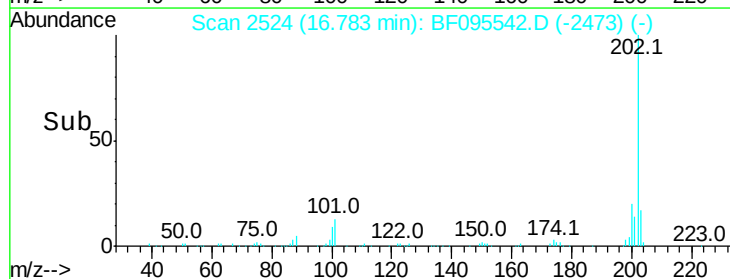
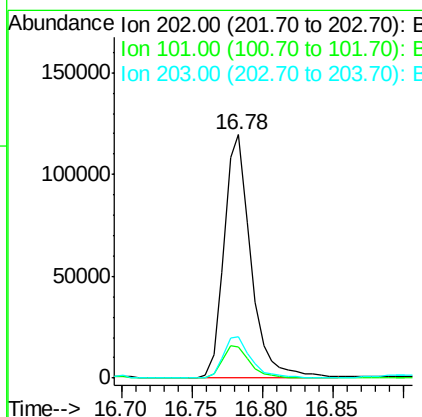
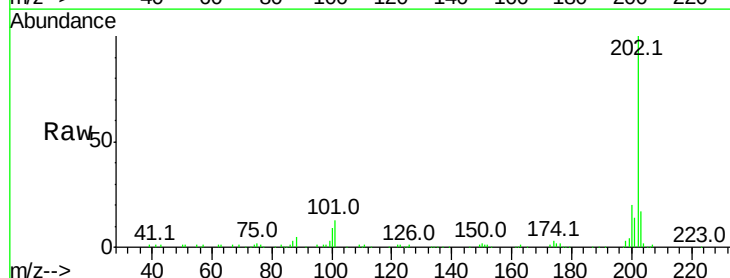
Instrument :
 BNA_F
 ClientSampleId :

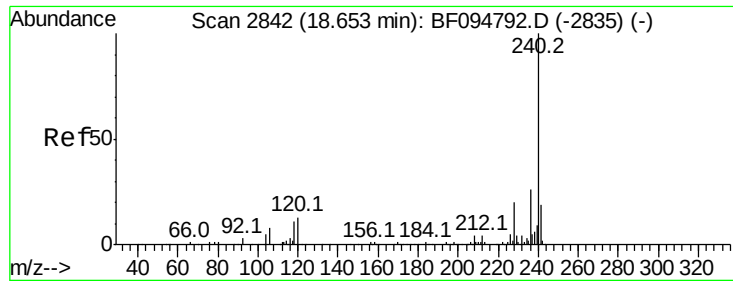
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	14.6	12.7	19.1



#74
 Fluoranthene
 Concen: 10.81 ng
 RT: 16.78 min Scan# 2524
 Delta R.T. -0.00 min
 Lab File: BF095542.D
 Acq: 30 May 2017 18:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.2
203	16.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095542.D

Acq: 30 May 2017 18:48

Instrument :

BNA_F

ClientSampleId :

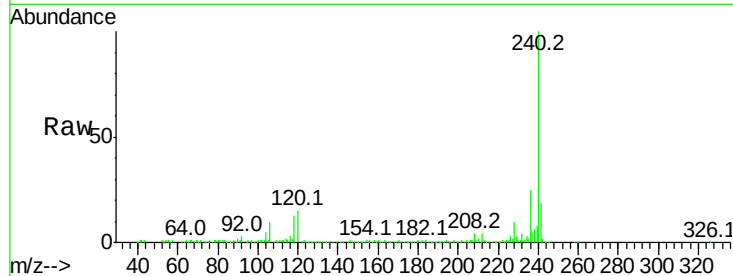
Tot Ion:240 Resp: 237420

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

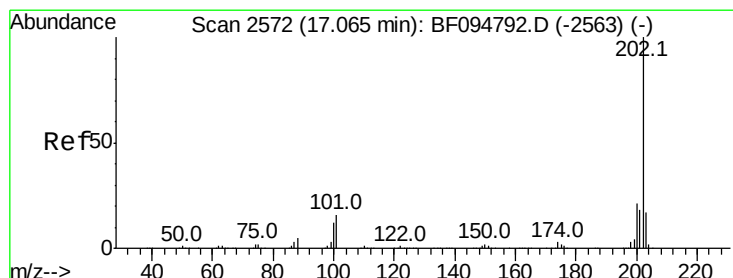
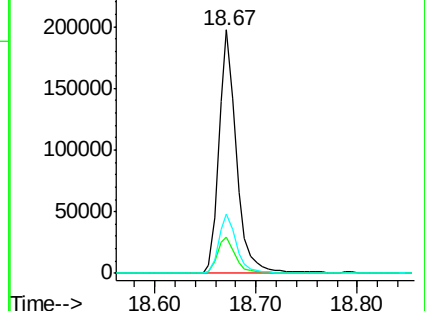
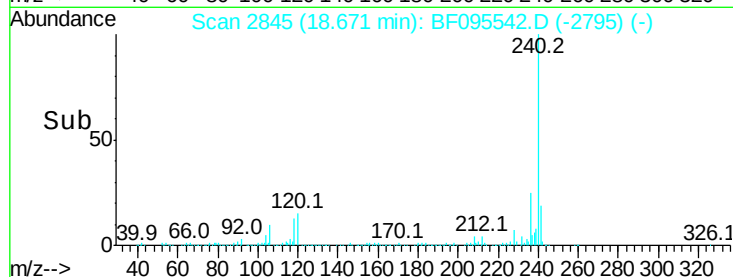
236 24.6 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.01 ng

RT: 17.08 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BF095542.D

Acq: 30 May 2017 18:48

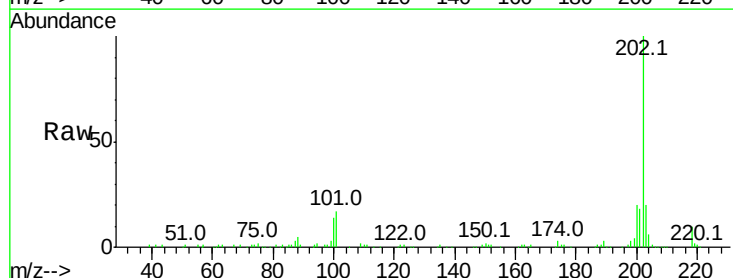
Tgt Ion:202 Resp: 142196

Ion Ratio Lower Upper

202 100

200 20.2 17.6 26.4

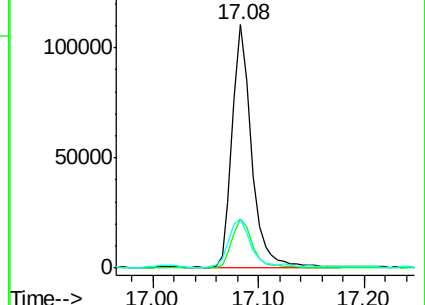
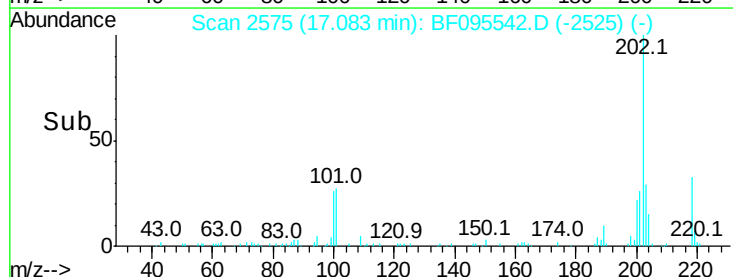
203 20.3 14.4 21.6

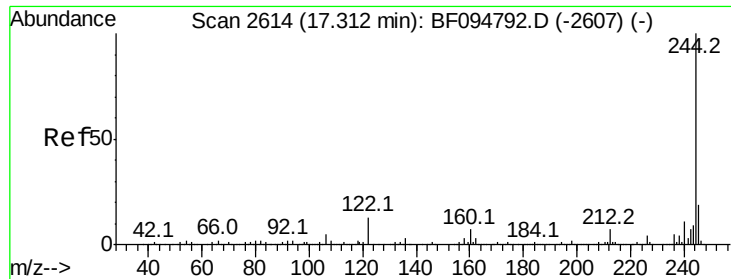


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

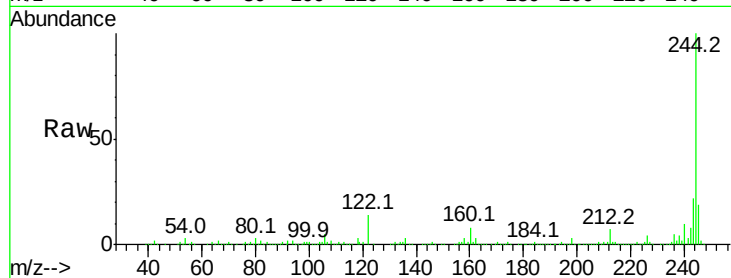




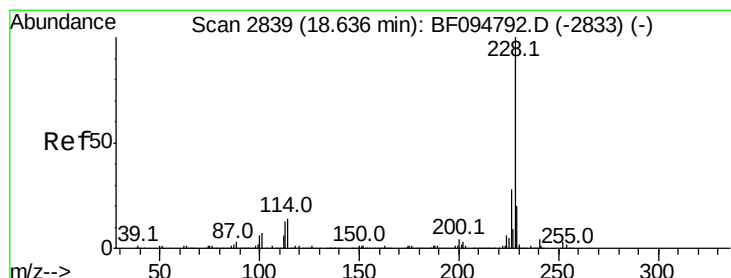
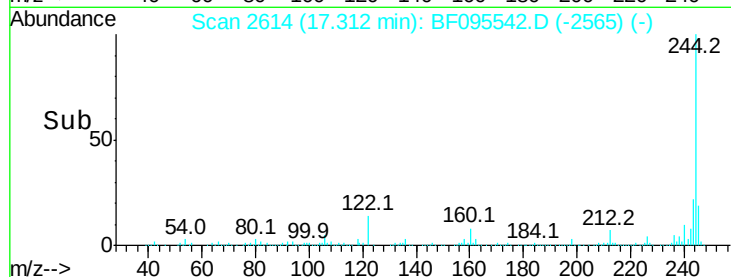
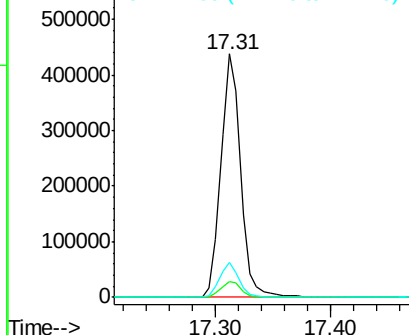
#78
 Terphenyl-d14
 Concen: 48.11 ng
 RT: 17.31 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BF095542.D
 Acq: 30 May 2017 18:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 518549
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 14.1 10.3 15.5

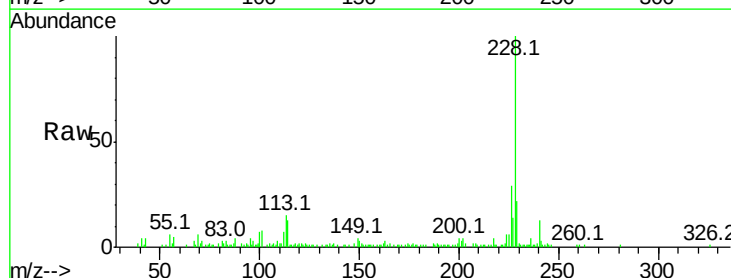


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

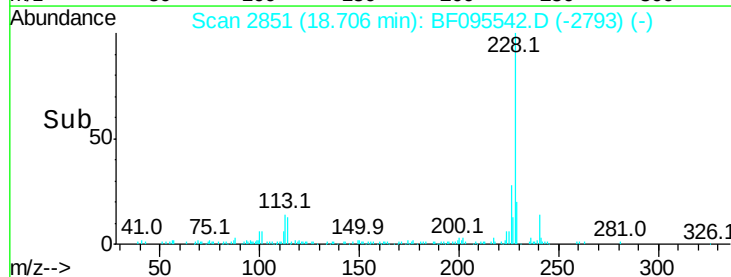
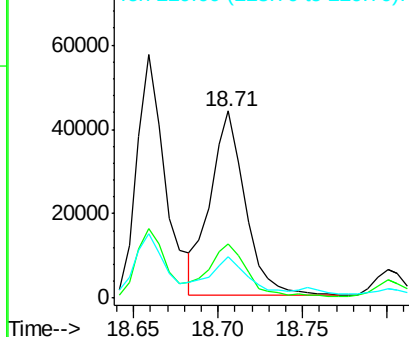


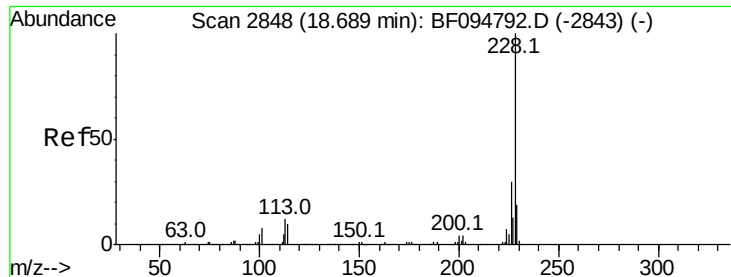
#80
 Benzo(a)anthracene
 Concen: 4.58 ng
 RT: 18.71 min Scan# 2851
 Delta R.T. 0.04 min
 Lab File: BF095542.D
 Acq: 30 May 2017 18:48

Tgt Ion:228 Resp: 63262
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.6 33.8
 229 22.0 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

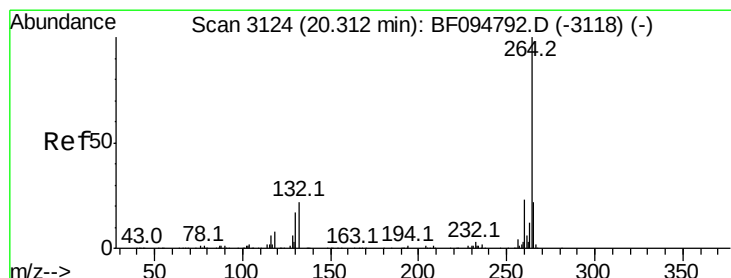
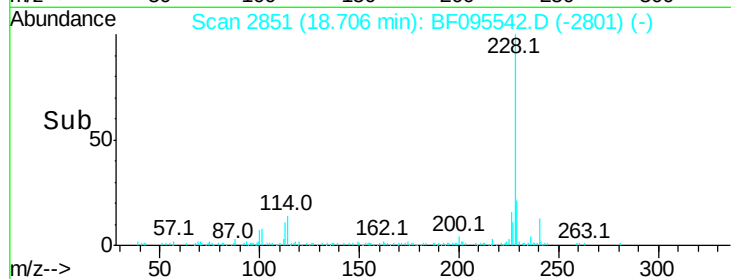
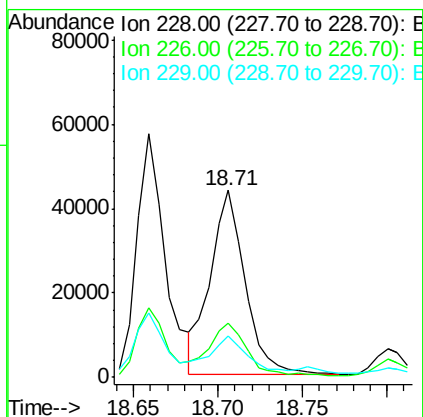
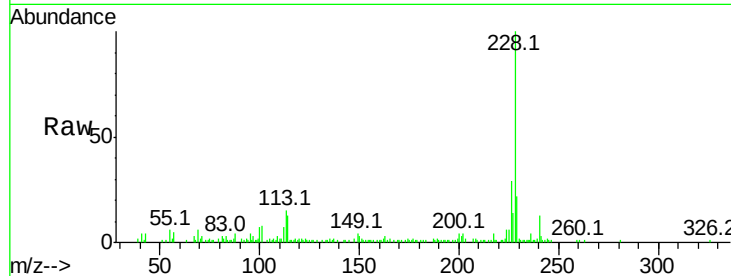




#82
Chrysene
Concen: 4.73 ng
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

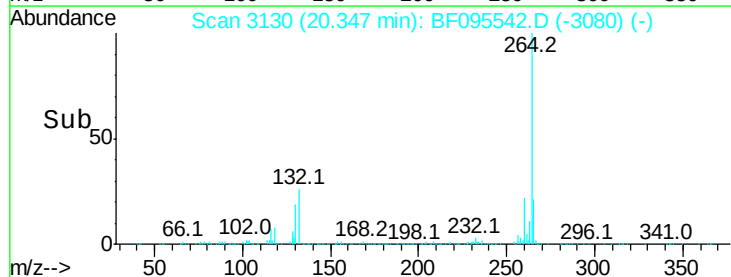
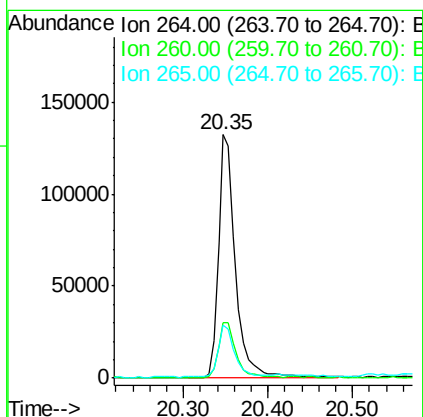
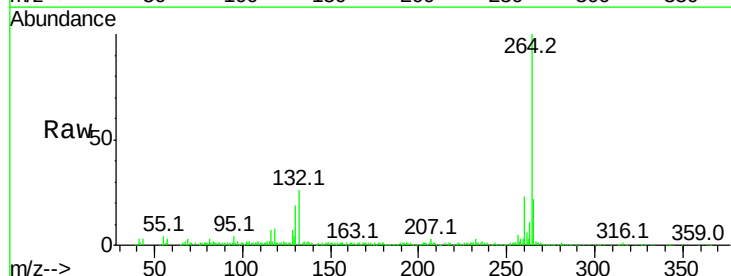
Instrument :
BNA_F
ClientSampled :

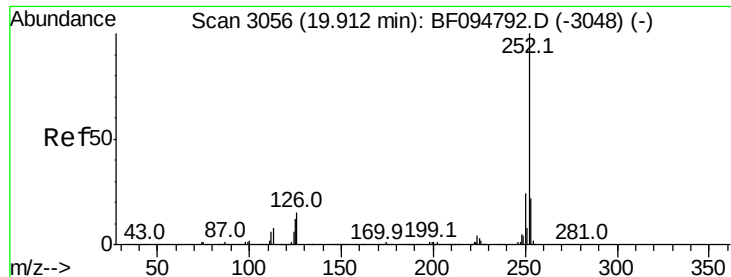
Tot Ion:228 Resp: 63262
Ion Ratio Lower Upper
228 100
226 29.3 24.9 37.3
229 22.0 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

Tgt Ion:264 Resp: 188039
Ion Ratio Lower Upper
264 100
260 22.6 19.5 29.3
265 21.6 17.2 25.8

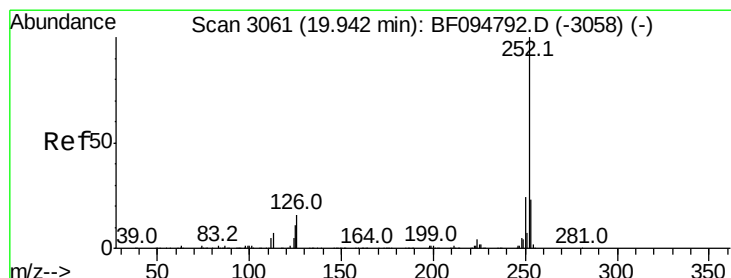
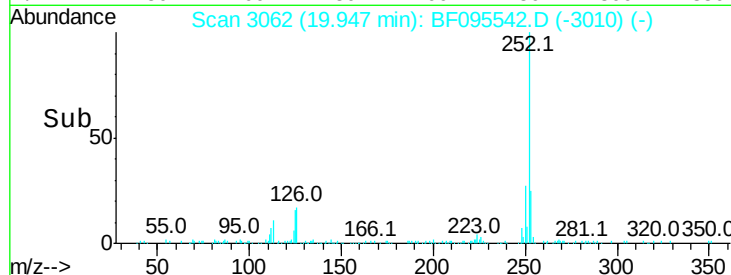
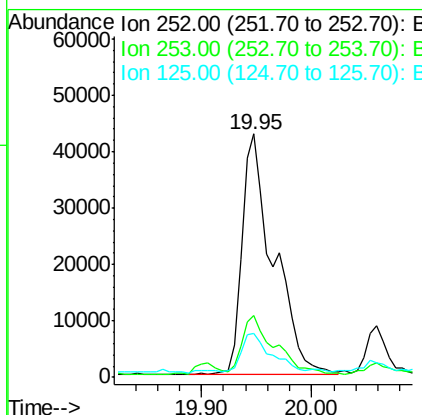
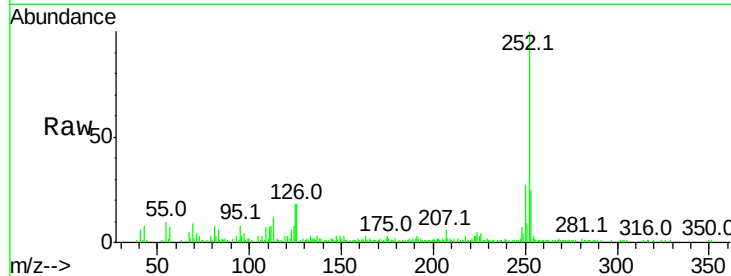




#87
Benzo(b)fluoranthene
Concen: 7.33 ng
RT: 19.95 min Scan# 3062
Delta R.T. 0.01 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

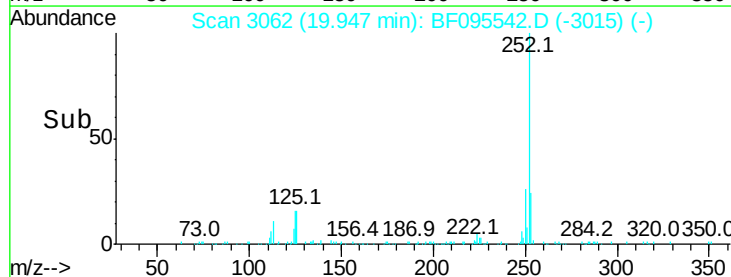
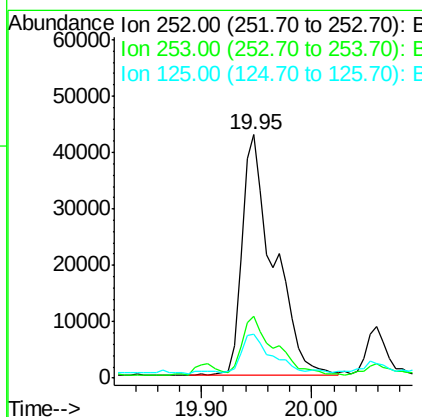
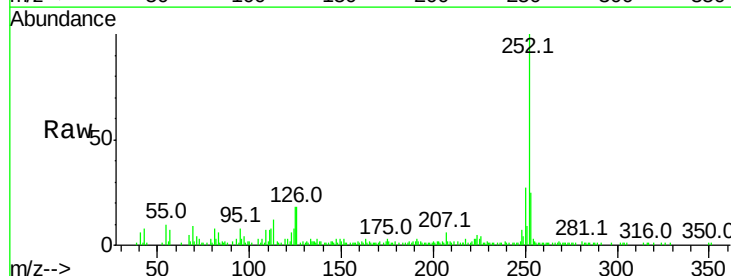
Instrument :
BNA_F
ClientSampled :

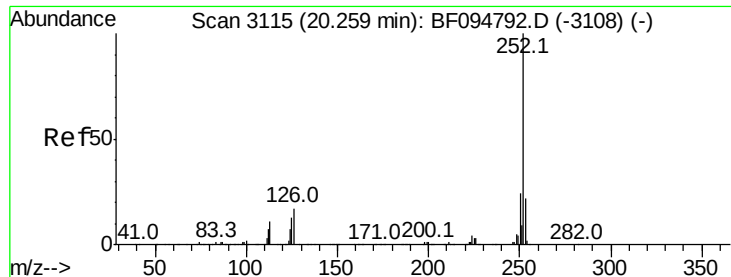
Tot Ion:252 Resp: 85127
Ion Ratio Lower Upper
252 100
253 25.4 18.1 27.1
125 18.0 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 7.60 ng
RT: 19.95 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

Tgt Ion:252 Resp: 85127
Ion Ratio Lower Upper
252 100
253 25.4 18.4 27.6
125 18.0 13.1 19.7

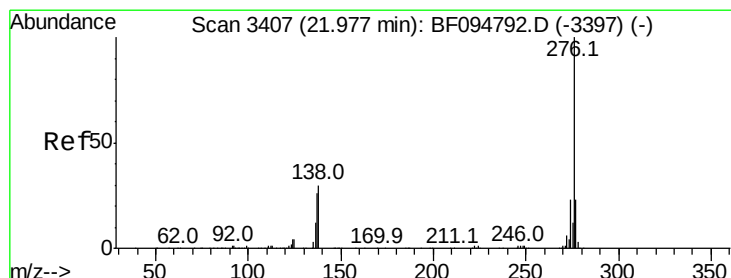
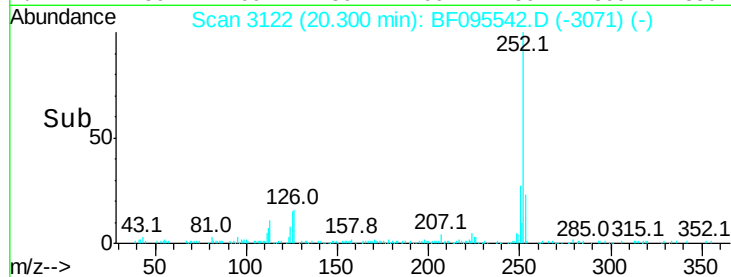
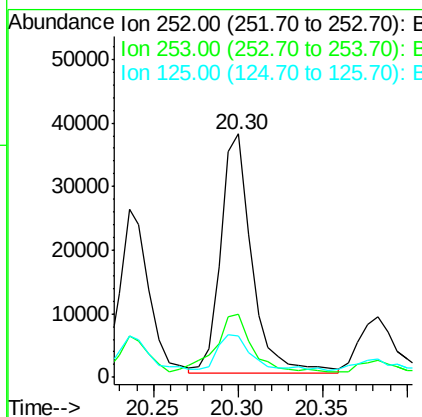
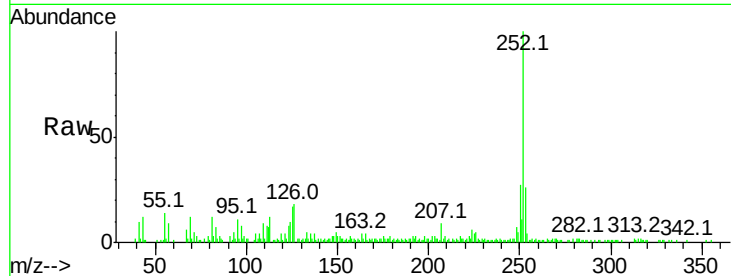




#89
Benzo(a)pyrene
Concen: 4.50 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 48227
Ion Ratio Lower Upper
252 100
253 25.7 17.5 26.3
125 17.3 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 2.56 ng
RT: 22.09 min Scan# 3427
Delta R.T. 0.02 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

Tgt Ion:276 Resp: 22273
Ion Ratio Lower Upper
276 100
277 25.6 18.6 28.0
138 29.6 25.4 38.0

