

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
 Data File : BF094988.D
 Acq On : 8 May 2017 19:32
 Operator : SJ/MA
 Sample : I2947-14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 09 01:50:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

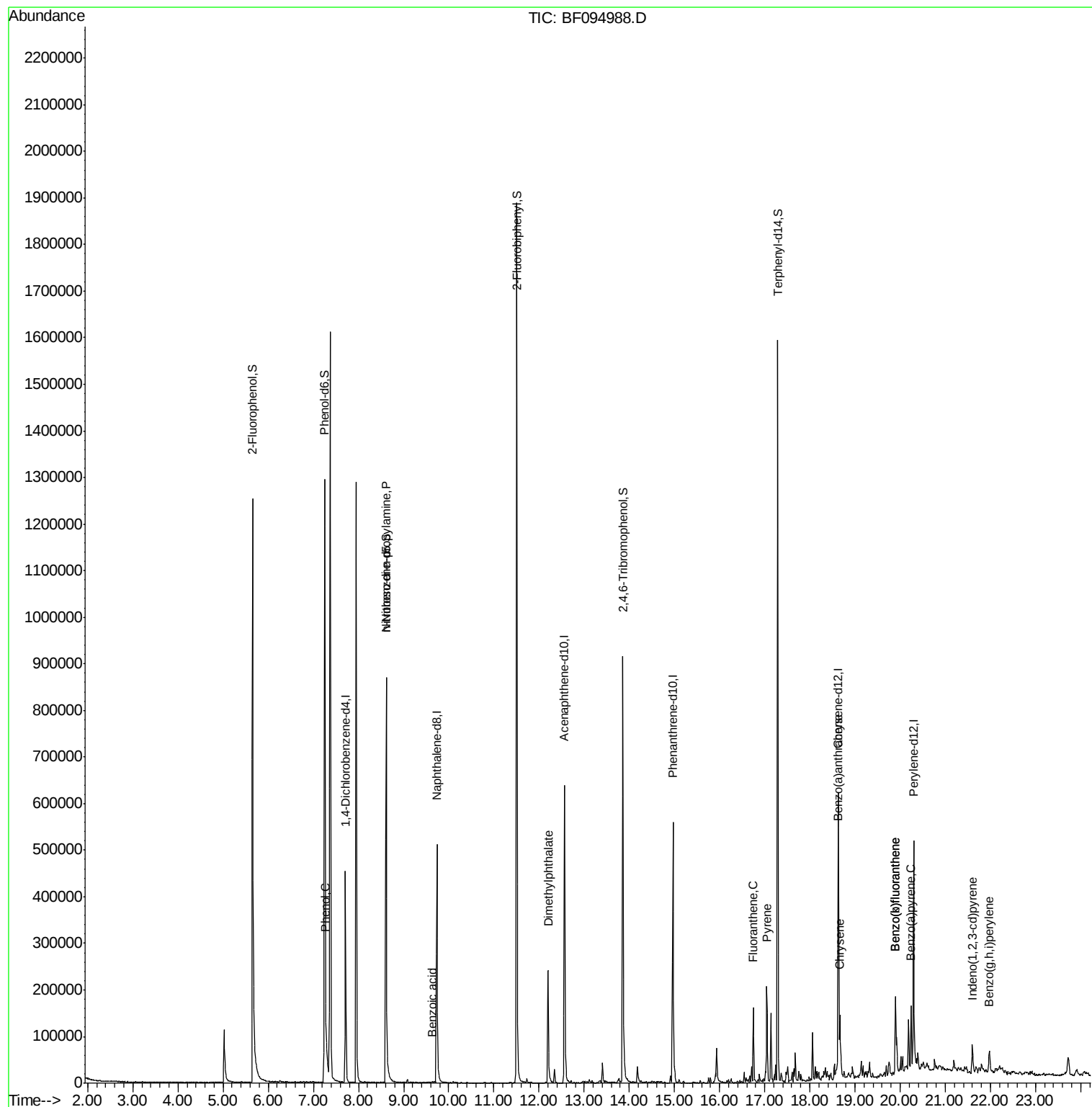
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	94096	20.00	ng	-0.02
21) Naphthalene-d8	9.74	136	393048	20.00	ng	-0.02
38) Acenaphthene-d10	12.56	164	197131	20.00	ng	-0.02
63) Phenanthrene-d10	14.97	188	305554	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	243540	20.00	ng	-0.02
86) Perylene-d12	20.30	264	213407	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	667652	118.30	ng	-0.02
7) Phenol-d6	7.25	99	748523	110.53	ng	-0.03
23) Nitrobenzene-d5	8.61	82	444637	71.34	ng	-0.03
41) 2,4,6-Tribromophenol	13.86	330	162604	100.72	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	825598	60.28	ng	-0.02
78) Terphenyl-d14	17.29	244	571107	51.65	ng	-0.02
Target Compounds						Qvalue
10) Phenol	7.27	94	15861	2.22	ng	82
19) n-Nitroso-di-n-propylamine	8.61	70	56357	12.31	ng	# 75
32) Benzoic acid	9.64	122	922	5.30	ng	# 78
49) Dimethylphthalate	12.20	163	164902	10.19	ng	98
74) Fluoranthene	16.75	202	88839	4.93	ng	99
77) Pyrene	17.05	202	91955	5.05	ng	99
80) Benzo(a)anthracene	18.62	228	49468	3.49	ng	92
82) Chrysene	18.67	228	65912	4.81	ng	98
85) Indeno(1,2,3-cd)pyrene	21.60	276	35844	3.22	ng	98
87) Benzo(b)fluoranthene	19.89	252	117805	8.93	ng	# 95
88) Benzo(k)fluoranthene	19.89	252	117805	9.26	ng	97
89) Benzo(a)pyrene	20.25	252	59730	4.91	ng	99
91) Benzo(a,h,i)perylene	21.98	276	38373	3.89	ng	95

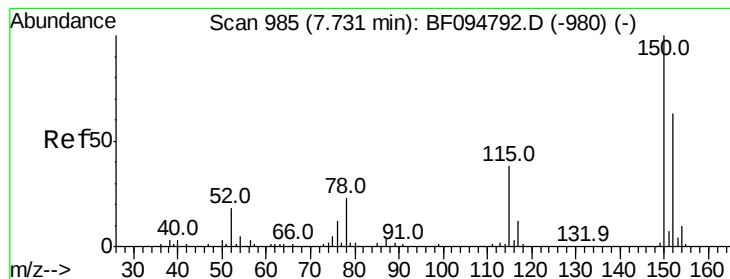
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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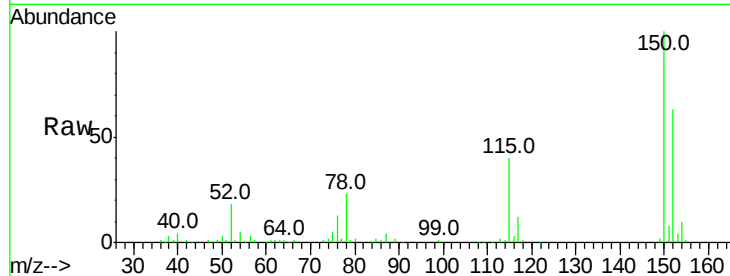


#1

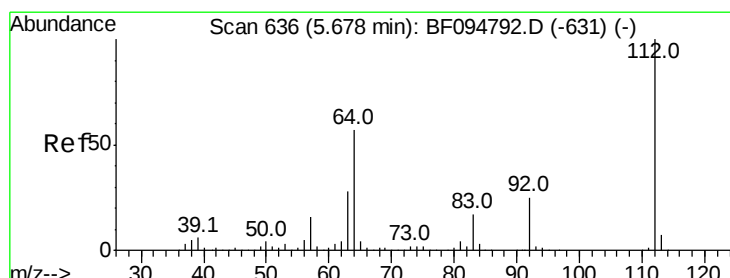
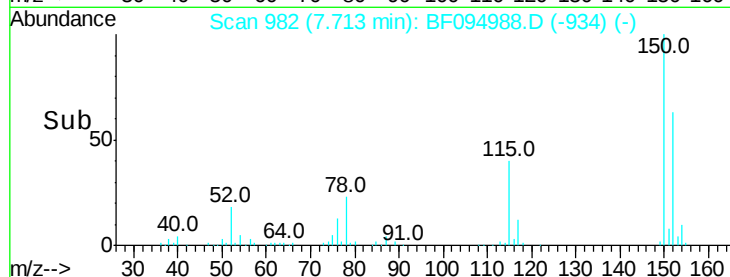
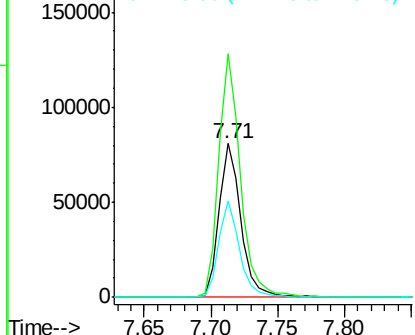
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 982
Delta R.T. -0.02 min
Lab File: BF094988.D
Acq: 8 May 2017 19:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 94096
Ion Ratio Lower Upper
152 100
150 158.5 126.2 189.2
115 62.9 52.2 78.2



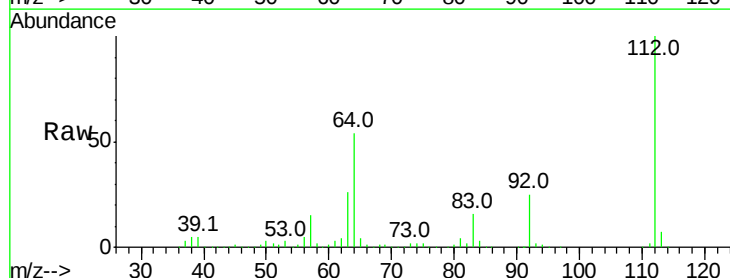
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



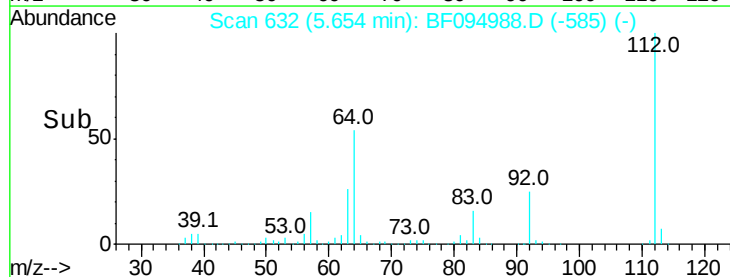
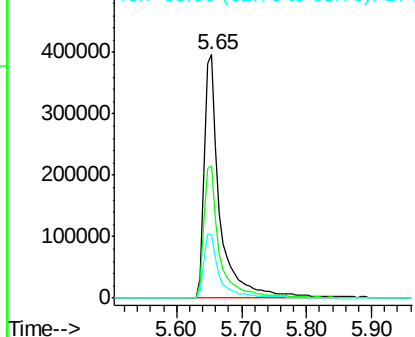
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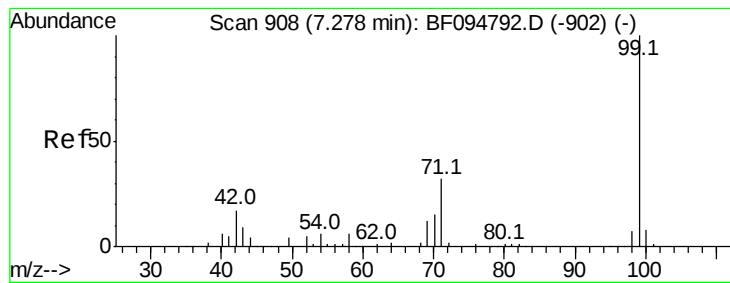
2-Fluorophenol
Concen: 118.30 ng
RT: 5.65 min Scan# 632
Delta R.T. -0.02 min
Lab File: BF094988.D
Acq: 8 May 2017 19:32

Tgt Ion:112 Resp: 667652
Ion Ratio Lower Upper
112 100
64 54.5 46.0 69.0
63 26.1 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: 110.53 ng

RT: 7.25 min Scan# 903

Delta R.T. -0.03 min

Lab File: BF094988.D

Acq: 8 May 2017 19:32

Instrument :

BNA_F

ClientSampleId :

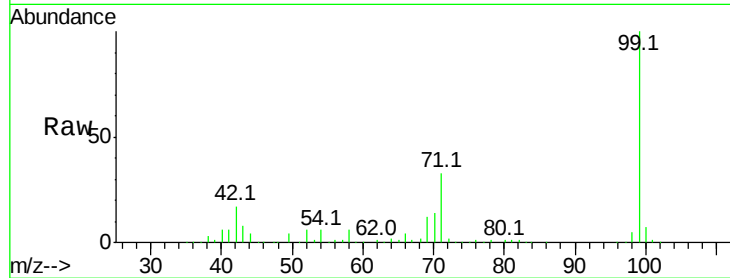
Tot Ion: 99 Resp: 748523

Ion Ratio Lower Upper

99 100

42 16.5 13.5 20.3

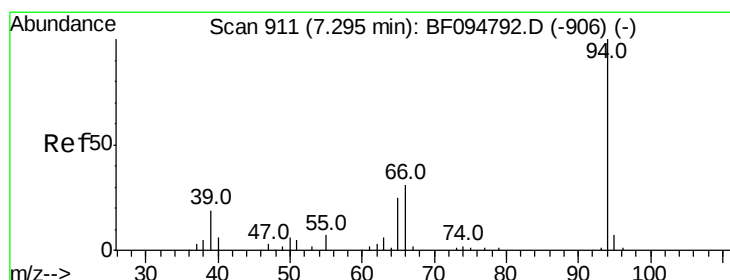
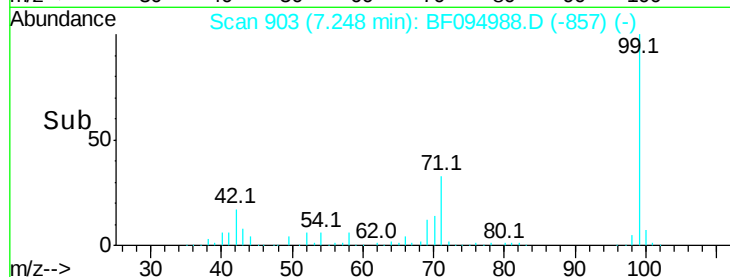
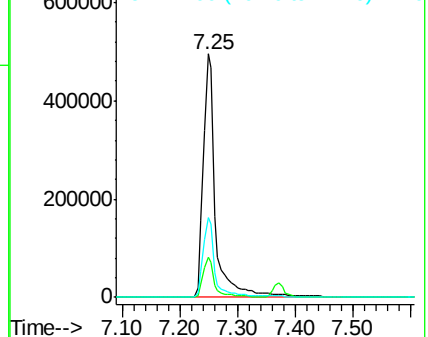
71 32.8 24.5 36.7



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



#10

Phenol

Concen: 2.22 ng

RT: 7.27 min Scan# 907

Delta R.T. -0.02 min

Lab File: BF094988.D

Acq: 8 May 2017 19:32

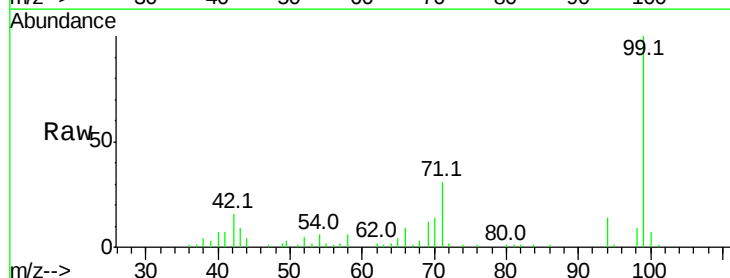
Tgt Ion: 94 Resp: 15861

Ion Ratio Lower Upper

94 100

65 28.9 9.9 49.9

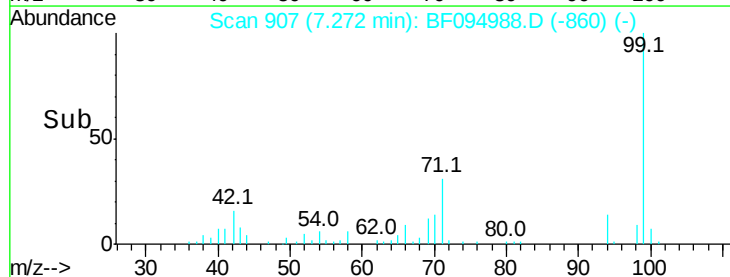
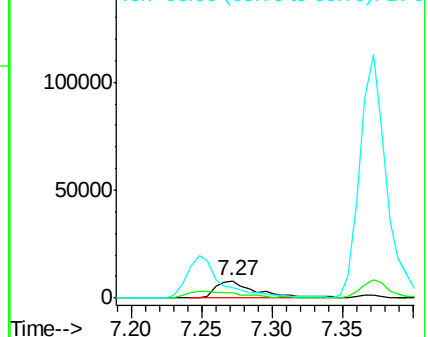
66 61.9 23.1 63.1

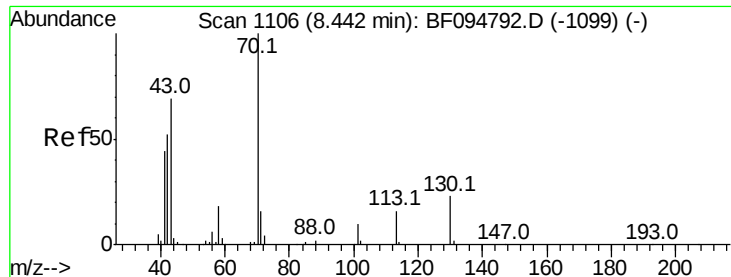


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

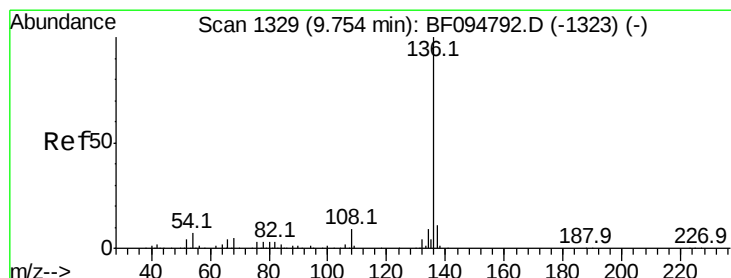
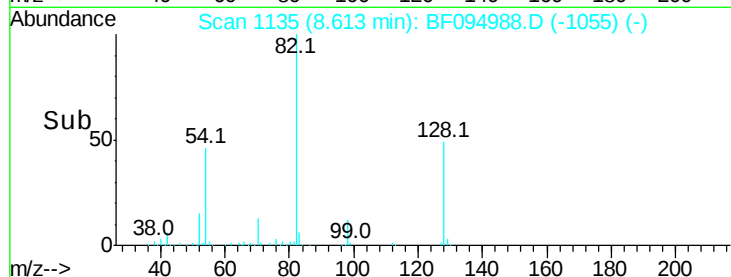
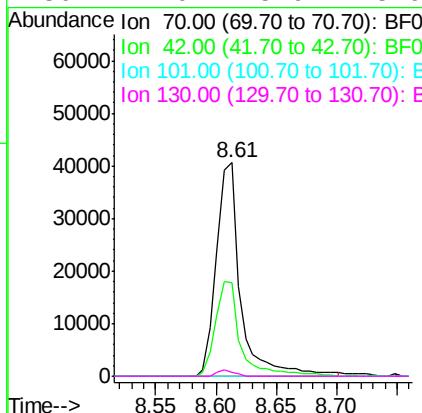
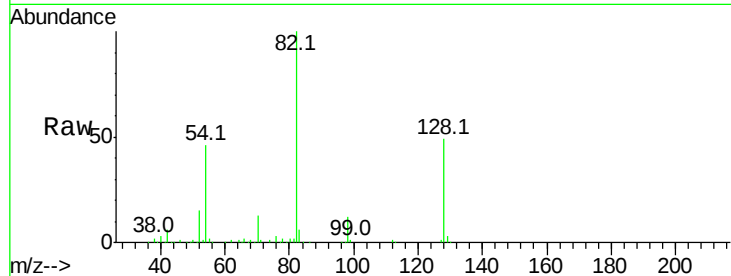




#19
n-Nitroso-di-n-propylamine
Concen: 12.31 ng
RT: 8.61 min Scan# 1135
Delta R.T. 0.17 min
Lab File: BF094988.D
Acq: 8 May 2017 19:32

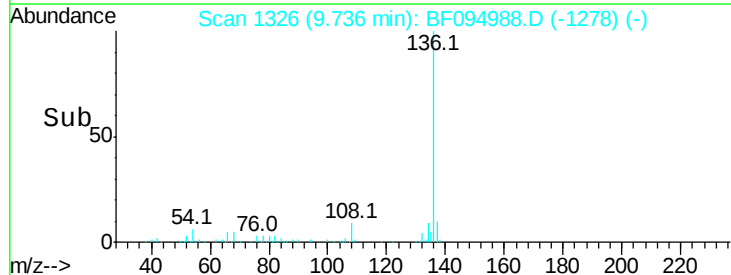
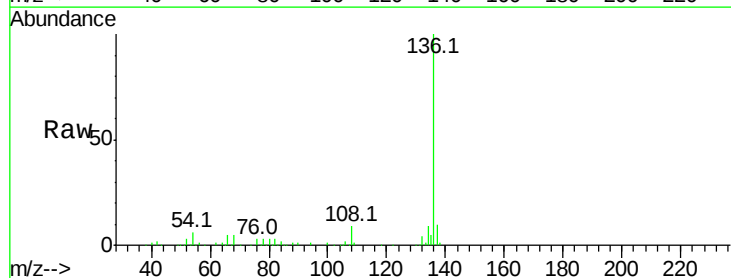
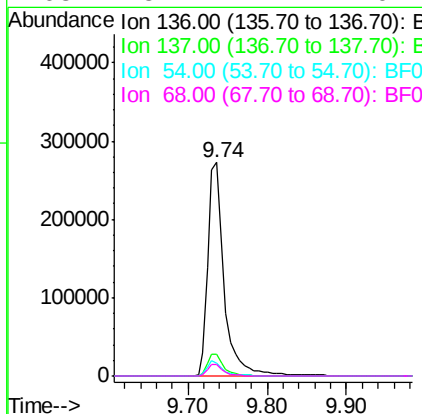
Instrument :
BNA_F
ClientSampleId :

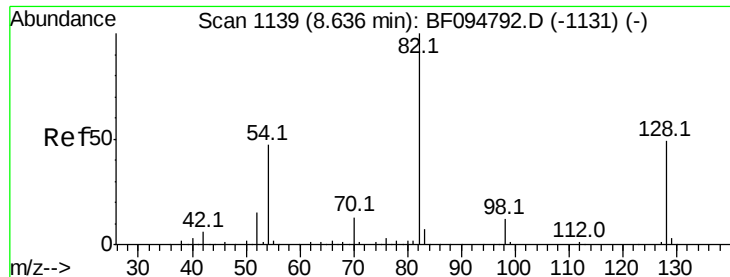
Tot Ion: 70 Resp: 56357
Ion Ratio Lower Upper
70 100
42 43.6 47.2 70.8#
101 0.0 7.2 10.8#
130 2.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.74 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF094988.D
Acq: 8 May 2017 19:32

Tgt Ion: 136 Resp: 393048
Ion Ratio Lower Upper
136 100
137 10.0 8.5 12.7
54 6.2 4.9 7.3
68 5.2 4.1 6.1

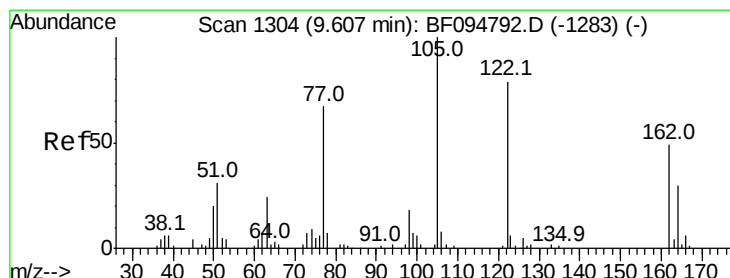
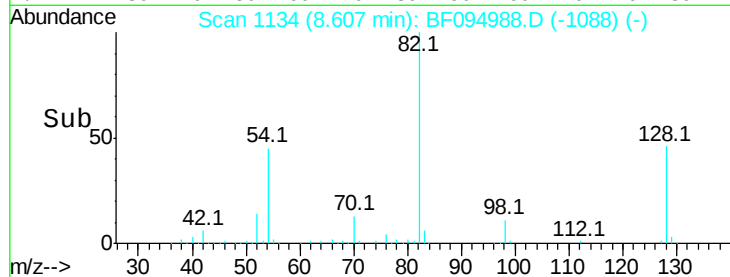
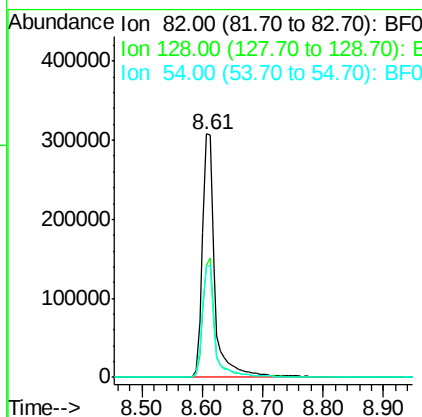
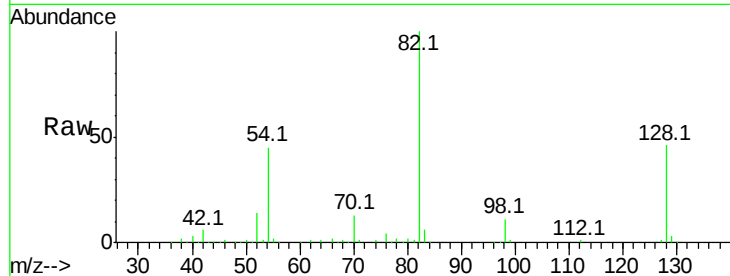




#23
 Nitrobenzene-d5
 Concen: 71.34 ng
 RT: 8.61 min Scan# 1134
 Delta R.T. -0.03 min
 Lab File: BF094988.D
 Acq: 8 May 2017 19:32

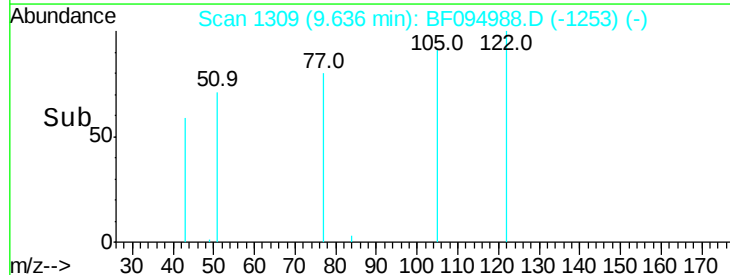
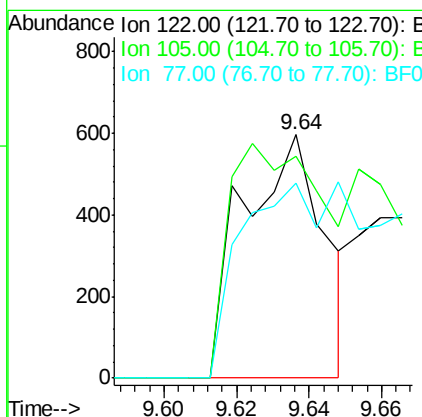
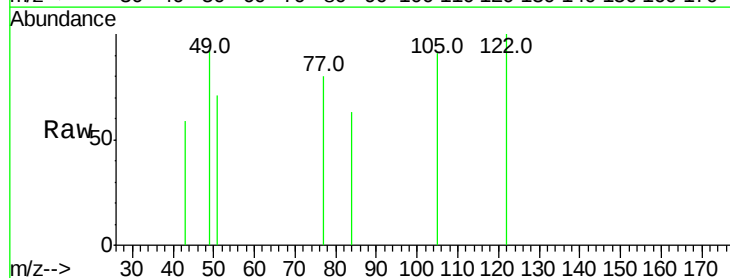
Instrument :
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 ClientSampleId :

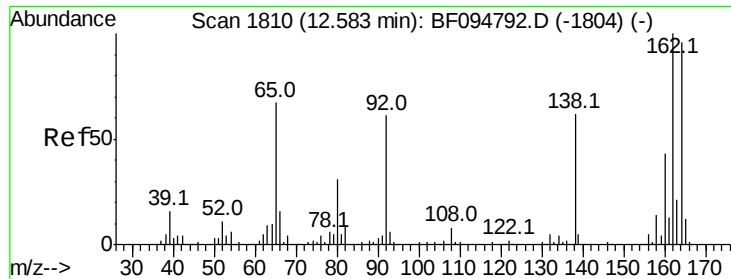
Tot Ion: 82 Resp: 444637
 Ion Ratio Lower Upper
 82 100
 128 45.8 34.0 51.0
 54 45.2 42.2 63.2



#32
 Benzoic acid
 Concen: 5.30 ng
 RT: 9.64 min Scan# 1309
 Delta R.T. 0.03 min
 Lab File: BF094988.D
 Acq: 8 May 2017 19:32

Tgt Ion:122 Resp: 922
 Ion Ratio Lower Upper
 122 100
 105 91.1 103.3 143.3#
 77 79.9 73.7 113.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.56 min Scan# 1806

Delta R.T. -0.02 min

Lab File: BF094988.D

Acq: 8 May 2017 19:32

Instrument :

BNA_F

ClientSampleId :

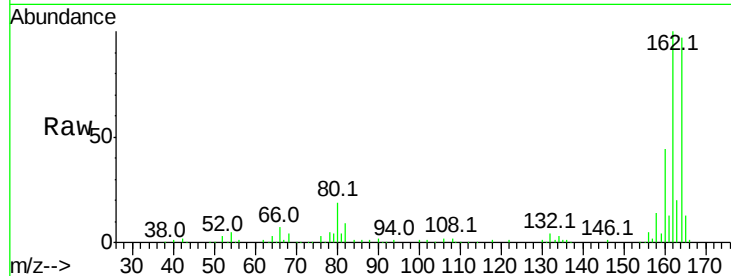
Tot Ion:164 Resp: 197131

Ion Ratio Lower Upper

164 100

162 102.8 82.6 123.8

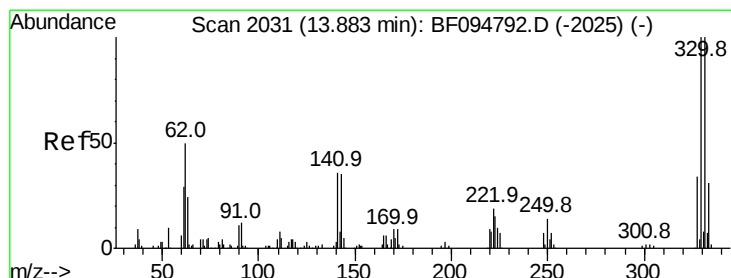
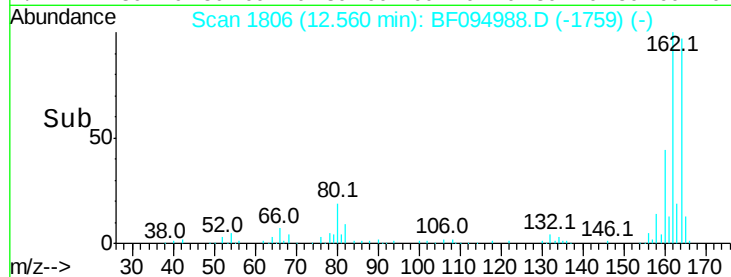
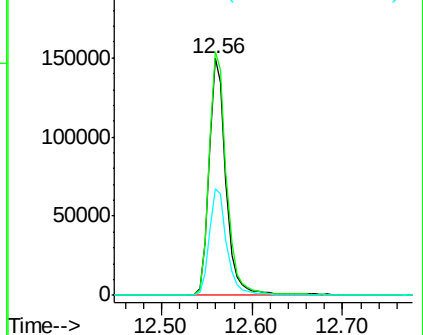
160 44.9 36.2 54.2



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: 100.72 ng

RT: 13.86 min Scan# 2027

Delta R.T. -0.02 min

Lab File: BF094988.D

Acq: 8 May 2017 19:32

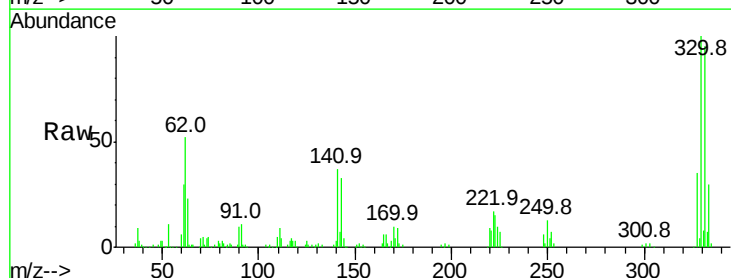
Tgt Ion:330 Resp: 162604

Ion Ratio Lower Upper

330 100

332 97.9 76.6 115.0

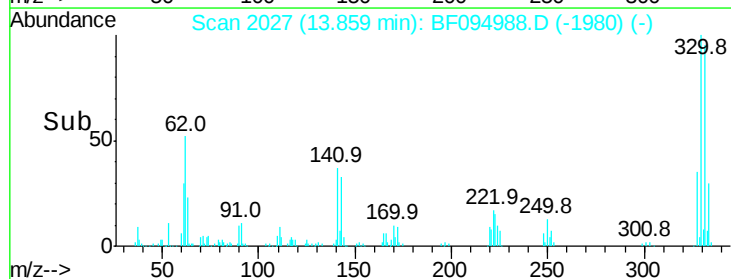
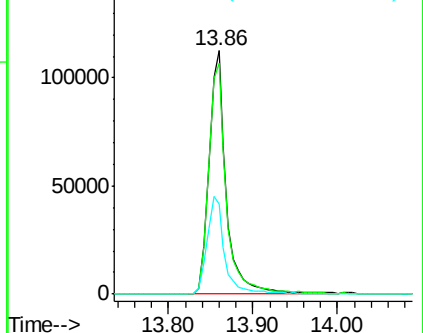
141 40.5 31.4 47.2

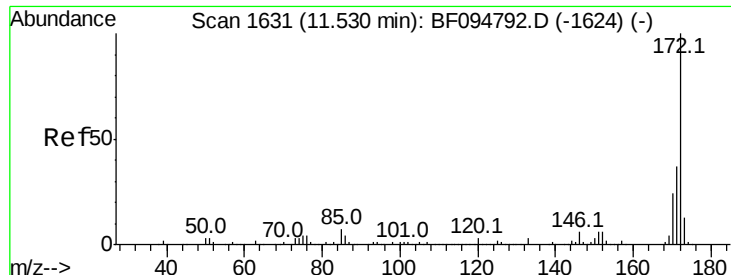


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

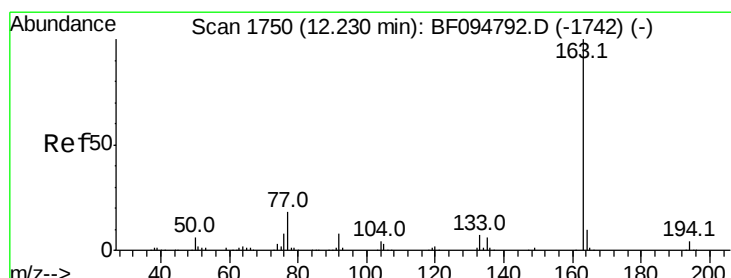
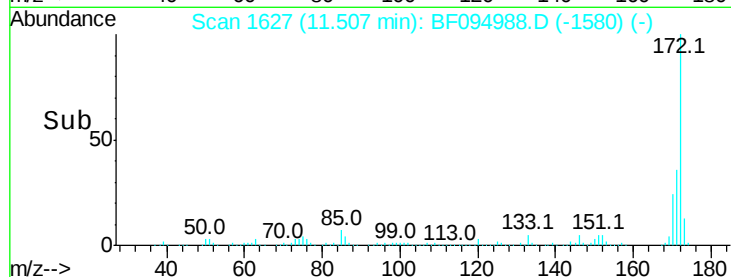
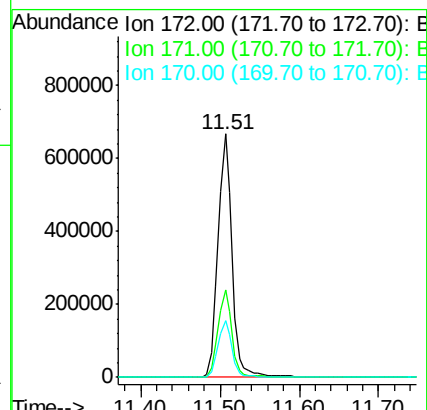
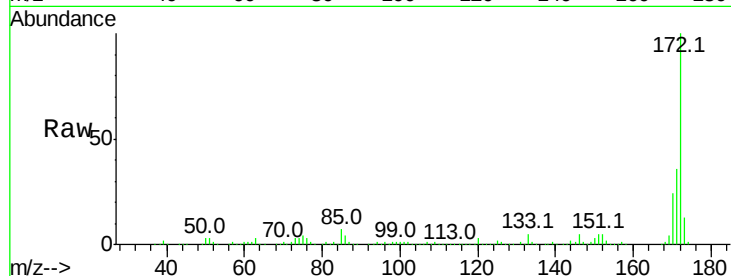




#44
2-Fluorobiphenyl
Concen: 60.28 ng
RT: 11.51 min Scan# 1627
Delta R.T. -0.02 min
Lab File: BF094988.D
Acq: 8 May 2017 19:32

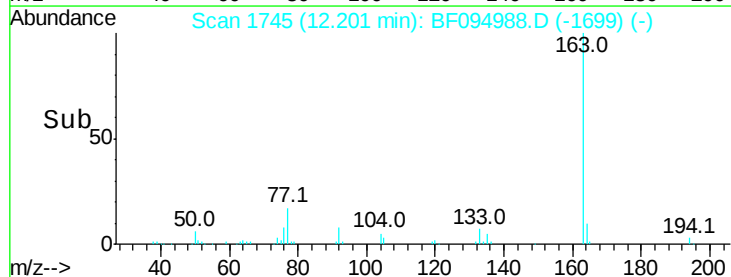
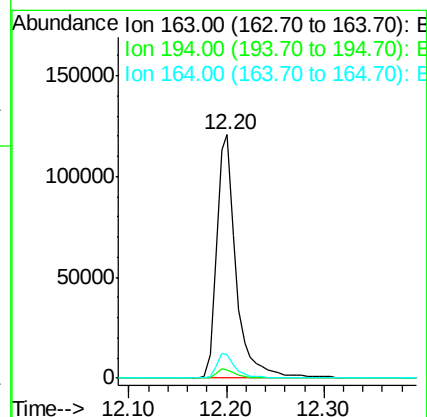
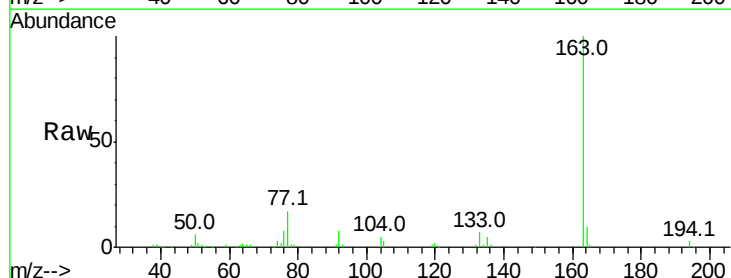
Instrument :
BNA_F
ClientSampleId :

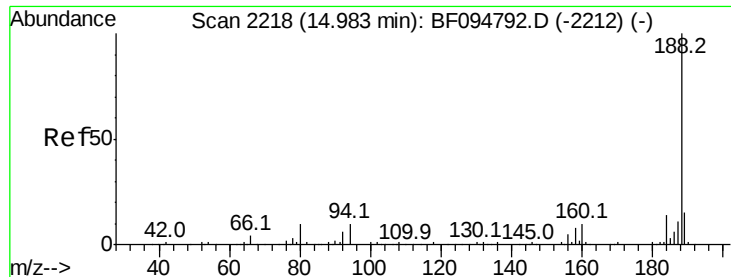
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.5	19.8	29.8



#49
Dimethylphthalate
Concen: 10.19 ng
RT: 12.20 min Scan# 1745
Delta R.T. -0.03 min
Lab File: BF094988.D
Acq: 8 May 2017 19:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	9.6	8.4	12.6

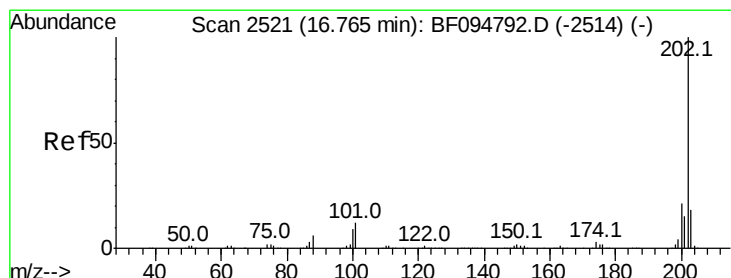
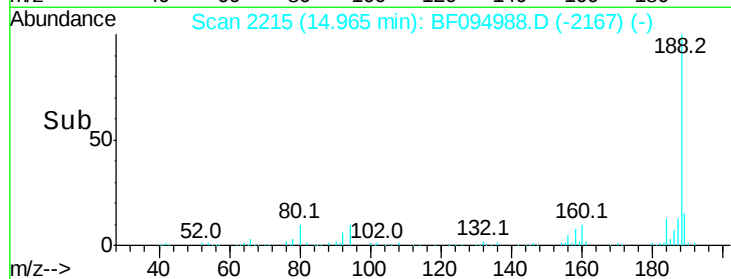
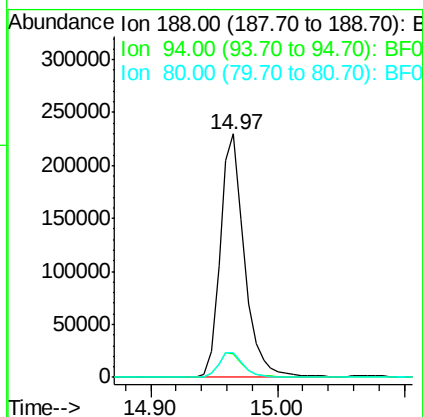
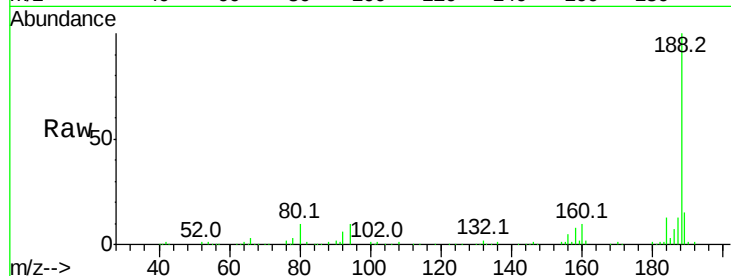




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.97 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF094988.D
Acq: 8 May 2017 19:32

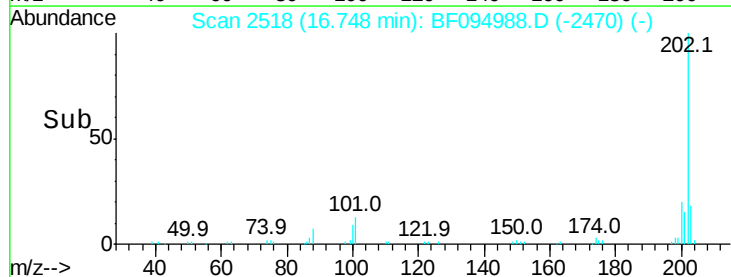
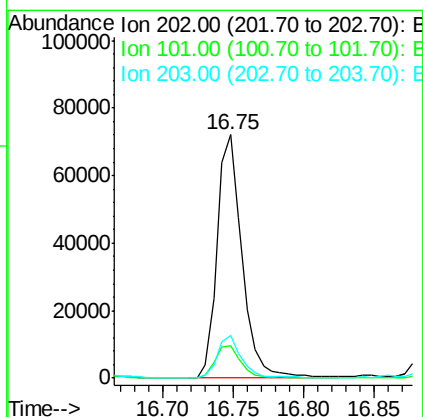
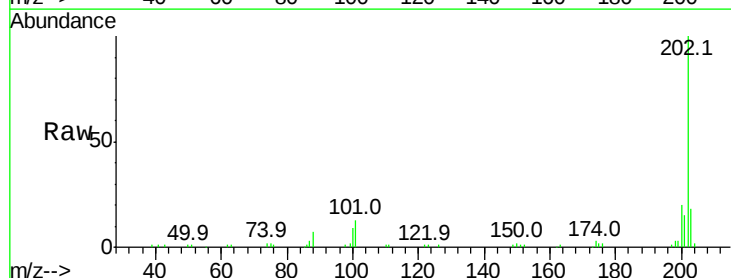
Instrument :
BNA_F
ClientSampleId :

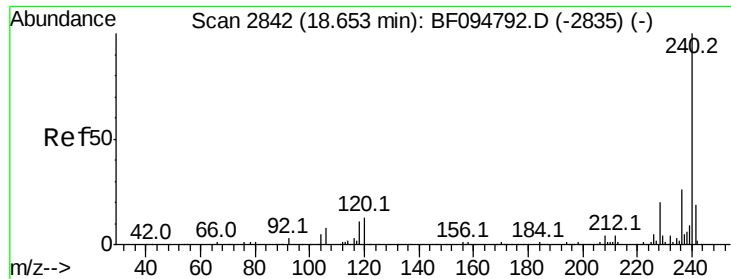
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.8	9.4	14.2
80	10.2	10.2	15.2



#74
Fluoranthene
Concen: 4.93 ng
RT: 16.75 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BF094988.D
Acq: 8 May 2017 19:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	33.2
203	17.7	0.0	38.1

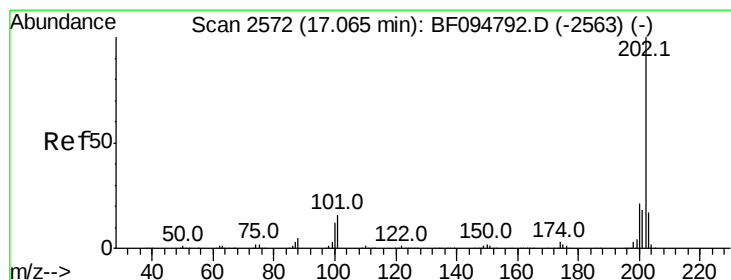
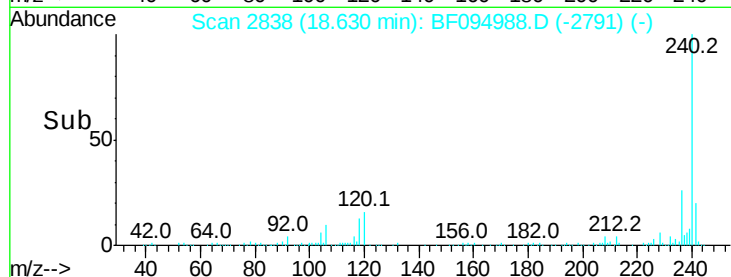
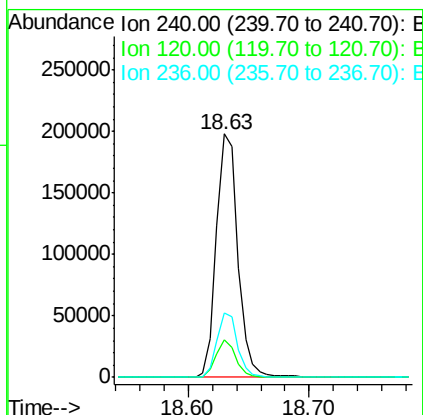
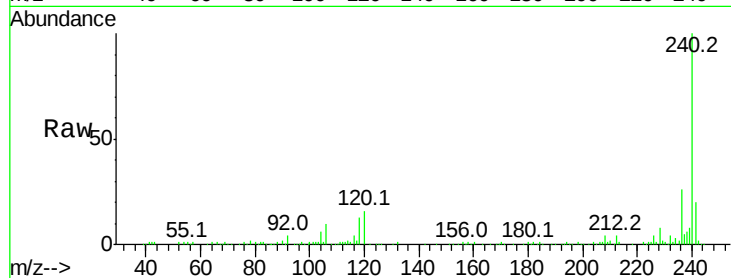




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.63 min Scan# 2838
 Delta R.T. -0.02 min
 Lab File: BF094988.D
 Acq: 8 May 2017 19:32

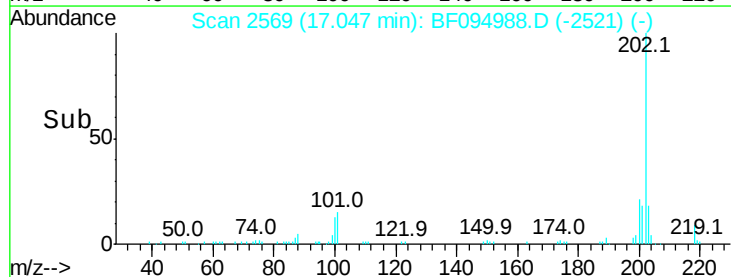
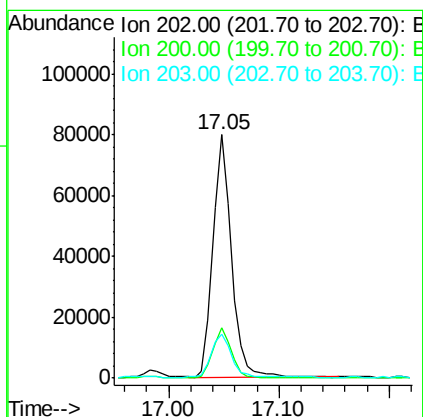
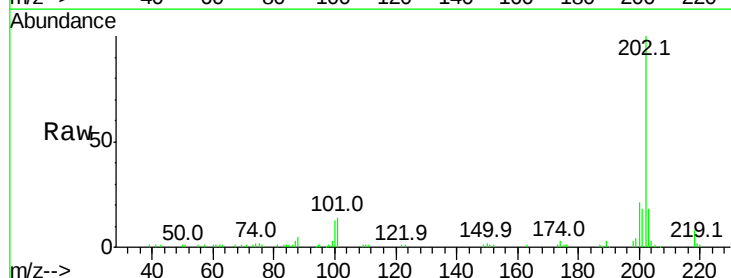
Instrument :
 BNA_F
 ClientSampleID :

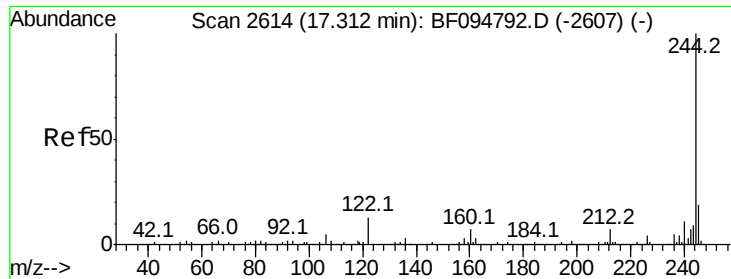
Tot Ion:240 Resp: 243540
 Ion Ratio Lower Upper
 240 100
 120 15.6 5.8 8.8#
 236 26.2 20.5 30.7



#77
 Pyrene
 Concen: 5.05 ng
 RT: 17.05 min Scan# 2569
 Delta R.T. -0.02 min
 Lab File: BF094988.D
 Acq: 8 May 2017 19:32

Tgt Ion:202 Resp: 91955
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.6 26.4
 203 17.9 14.4 21.6

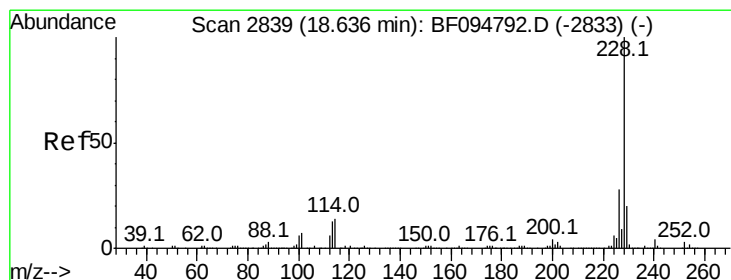
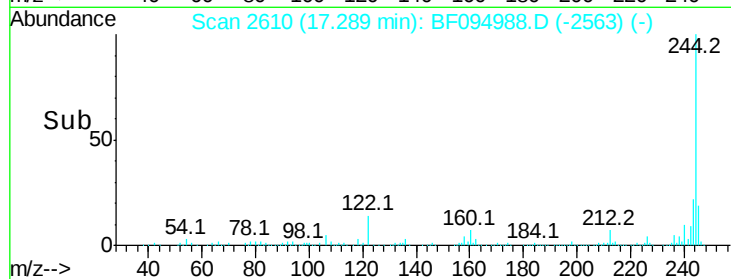
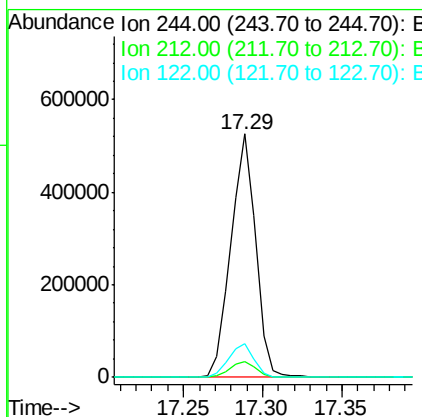
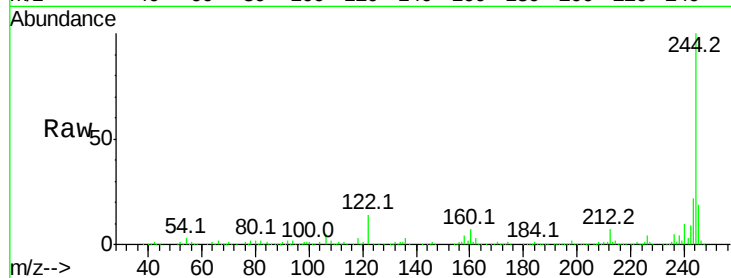




#78
 Terphenyl-d14
 Concen: 51.65 ng
 RT: 17.29 min Scan# 2610
 Delta R.T. -0.02 min
 Lab File: BF094988.D
 Acq: 8 May 2017 19:32

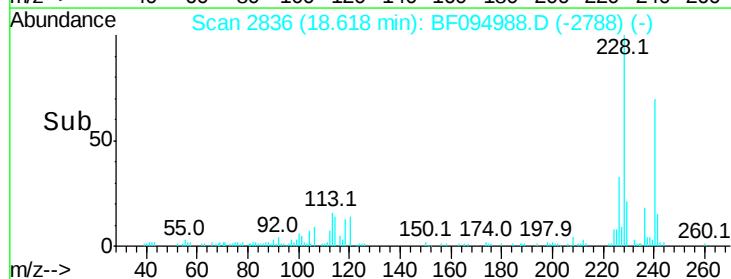
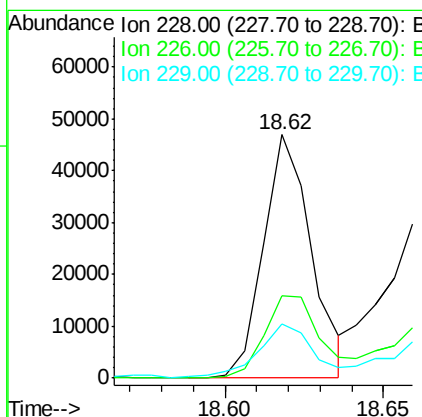
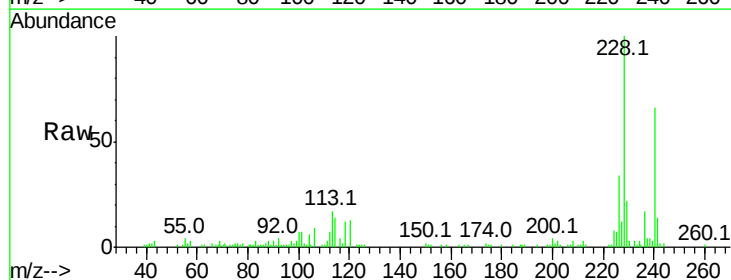
Instrument :
 BNA_F
 ClientSampleId :

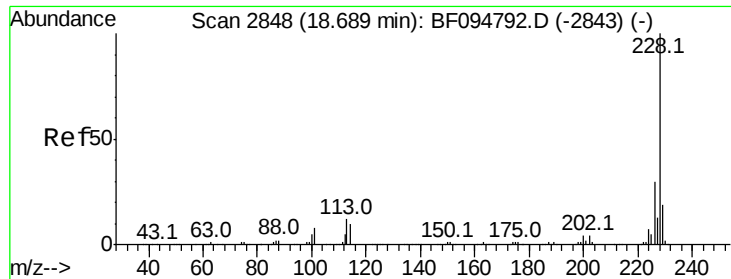
Tot Ion:244 Resp: 571107
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 13.8 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 3.49 ng
 RT: 18.62 min Scan# 2836
 Delta R.T. -0.02 min
 Lab File: BF094988.D
 Acq: 8 May 2017 19:32

Tgt Ion:228 Resp: 49468
 Ion Ratio Lower Upper
 228 100
 226 33.6 22.6 33.8
 229 22.3 16.3 24.5

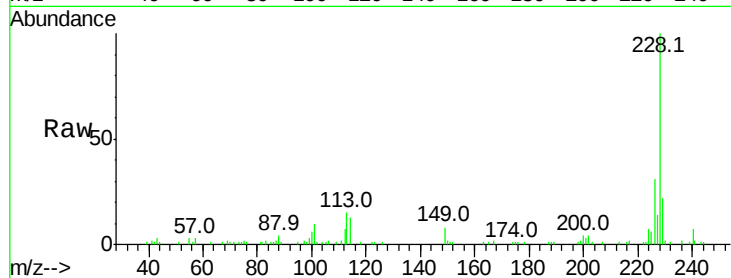




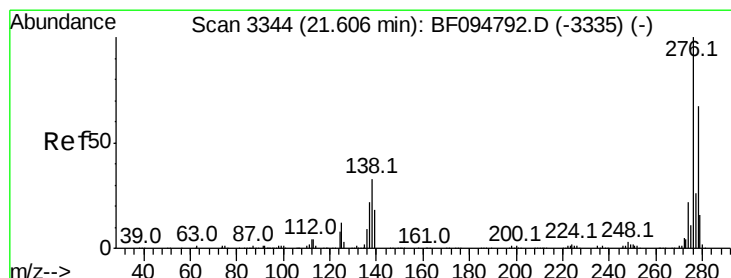
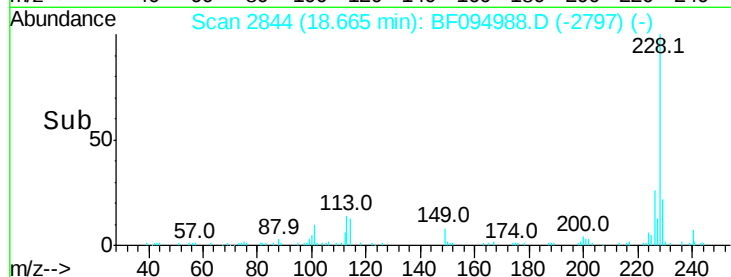
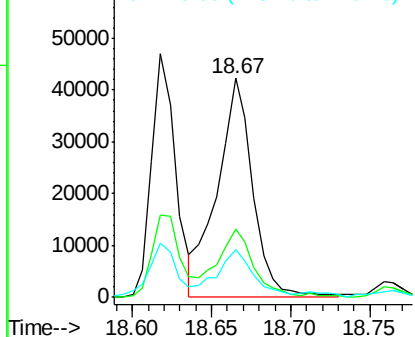
#82
 Chrysene
 Concen: 4.81 ng
 RT: 18.67 min Scan# 2844
 Delta R.T. -0.02 min
 Lab File: BF094988.D
 Acq: 8 May 2017 19:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:228 Resp: 65912
 Ion Ratio Lower Upper
 228 100
 226 31.0 24.9 37.3
 229 21.6 15.8 23.6

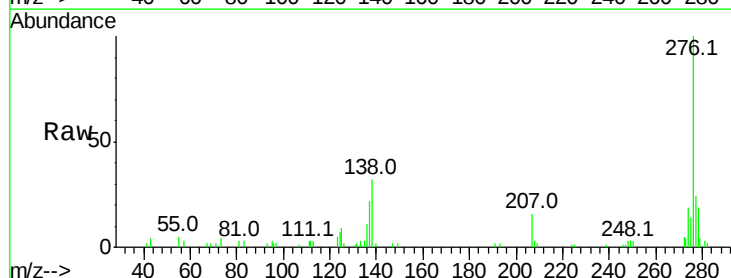


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

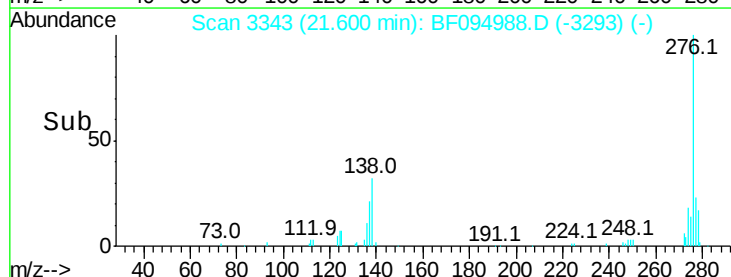
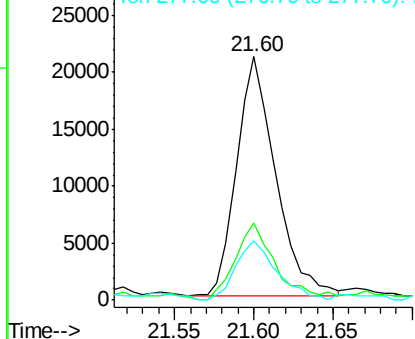


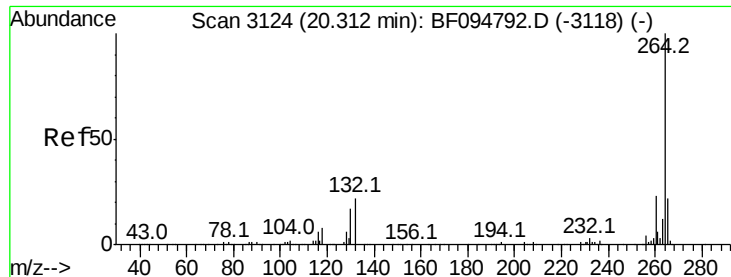
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.22 ng
 RT: 21.60 min Scan# 3343
 Delta R.T. -0.01 min
 Lab File: BF094988.D
 Acq: 8 May 2017 19:32

Tgt Ion:276 Resp: 35844
 Ion Ratio Lower Upper
 276 100
 138 33.5 27.8 41.6
 277 25.9 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

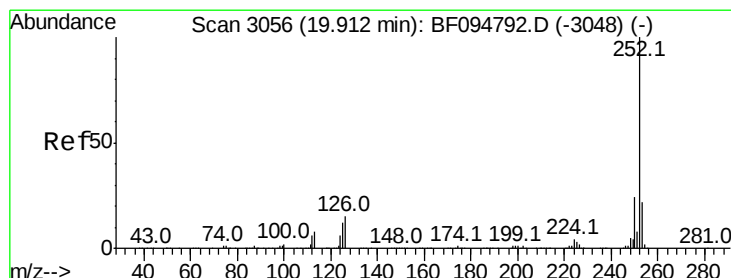
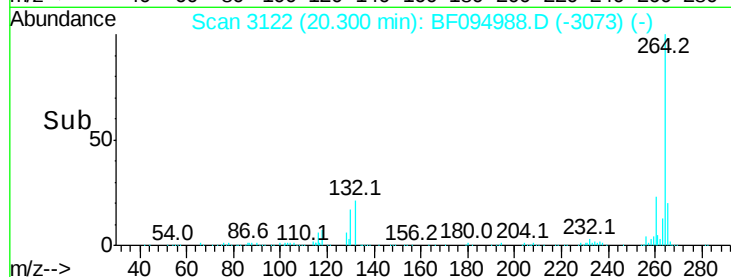
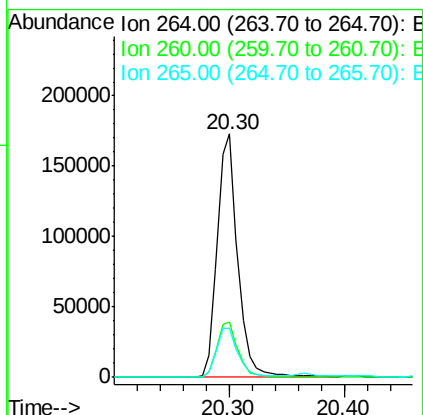
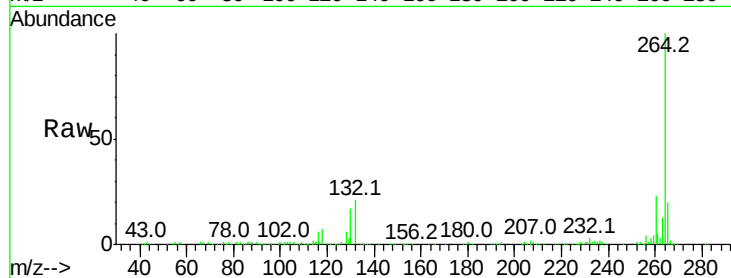




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF094988.D
Acq: 8 May 2017 19:32

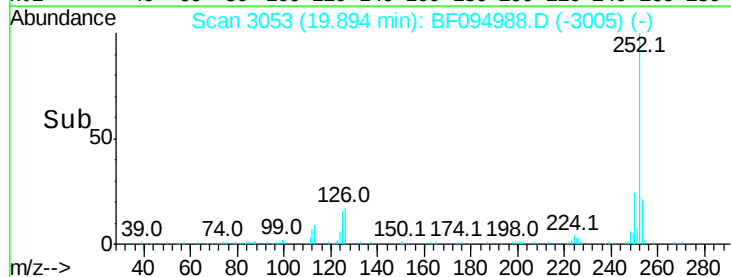
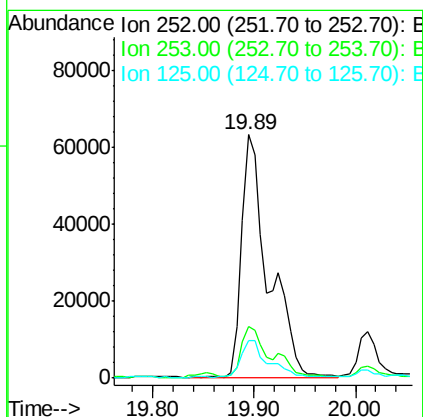
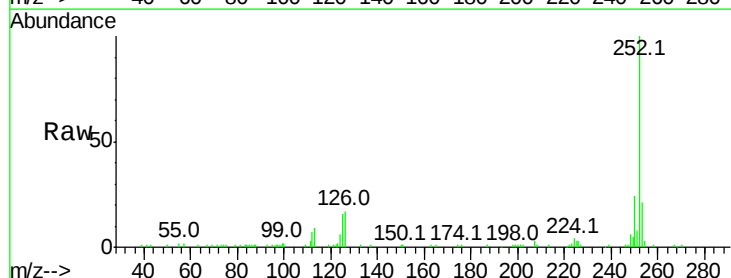
Instrument :
BNA_F
ClientSampleId :

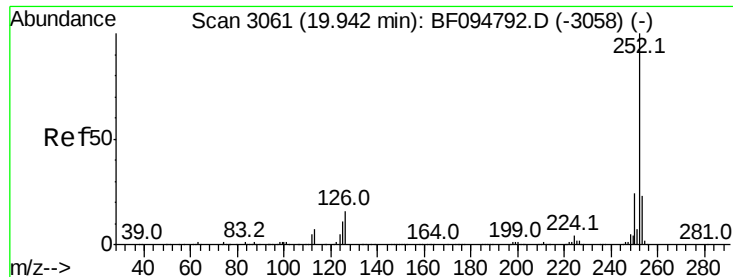
Tot Ion:264 Resp: 213407
Ion Ratio Lower Upper
264 100
260 23.0 19.5 29.3
265 20.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 8.93 ng
RT: 19.89 min Scan# 3053
Delta R.T. -0.02 min
Lab File: BF094988.D
Acq: 8 May 2017 19:32

Tgt Ion:252 Resp: 117805
Ion Ratio Lower Upper
252 100
253 21.2 18.1 27.1
125 15.6 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 9.26 ng

RT: 19.89 min Scan# 3053

Delta R.T. -0.05 min

Lab File: BF094988.D

Acq: 8 May 2017 19:32

Instrument :

BNA_F

ClientSampleId :

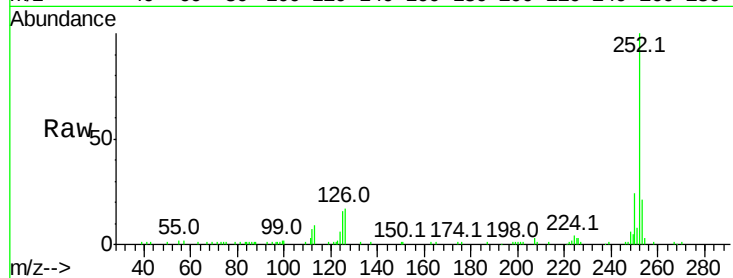
Tot Ion:252 Resp: 117805

Ion Ratio Lower Upper

252 100

253 21.2 18.4 27.6

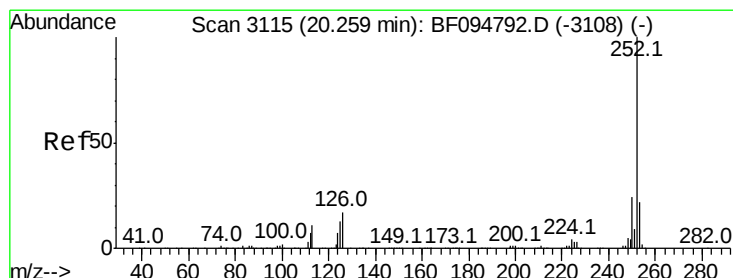
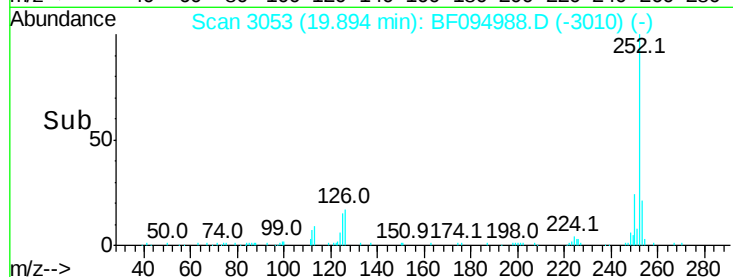
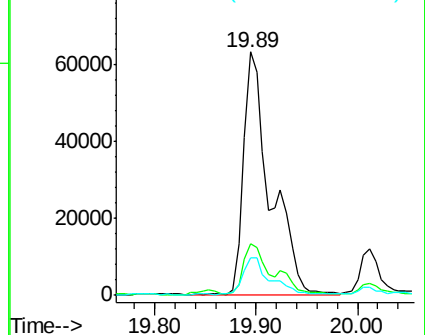
125 15.6 13.1 19.7



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



#89

Benzo(a)pyrene

Concen: 4.91 ng

RT: 20.25 min Scan# 3113

Delta R.T. -0.01 min

Lab File: BF094988.D

Acq: 8 May 2017 19:32

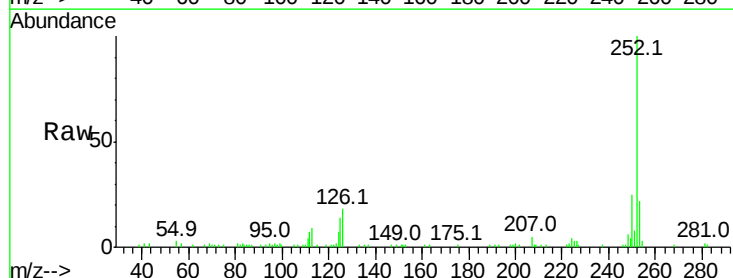
Tgt Ion:252 Resp: 59730

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

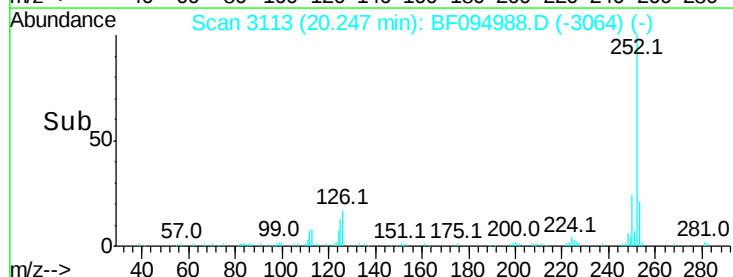
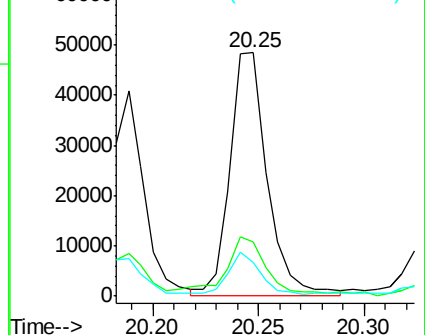
125 13.6 11.0 16.4

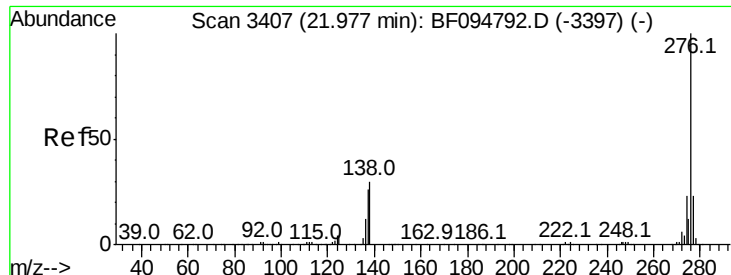


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 3.89 ng

RT: 21.98 min Scan# 3407

Delta R.T. -0.00 min

Lab File: BF094988.D

Acq: 8 May 2017 19:32

Instrument :

BNA_F

ClientSampleId :

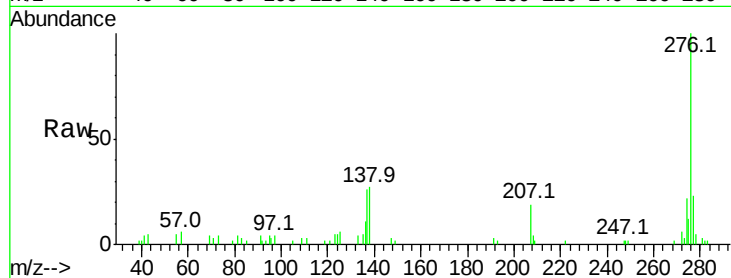
Tot Ion:276 Resp: 38373

Ion Ratio Lower Upper

276 100

277 23.4 18.6 28.0

138 26.8 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

