

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050317\
 Data File : BF094848.D
 Acq On : 3 May 2017 22:42
 Operator : SJ/MA
 Sample : I2914-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 04 01:12:24 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

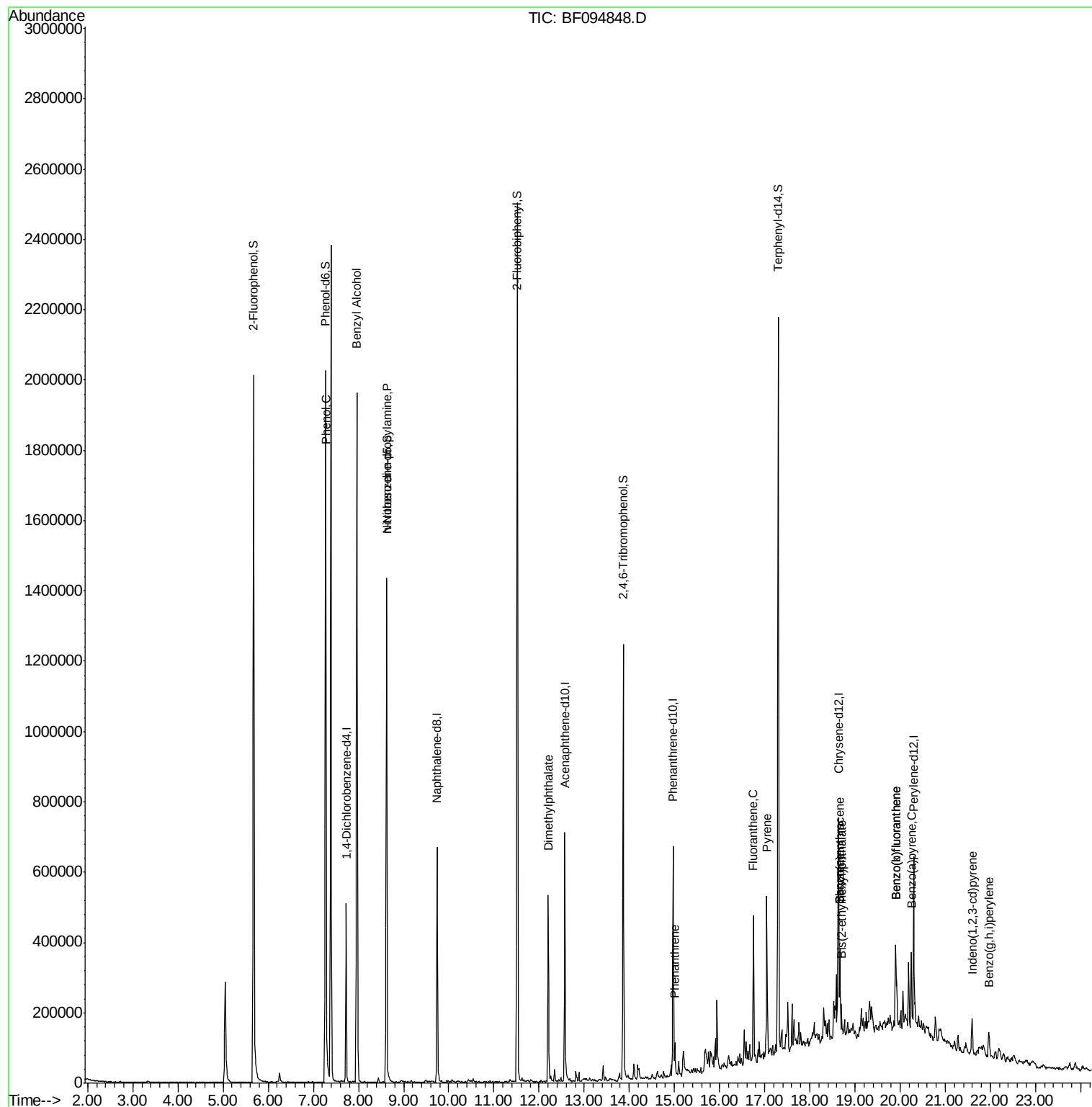
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	99439	20.00	ng	0.00
21) Naphthalene-d8	9.74	136	412866	20.00	ng	-0.01
38) Acenaphthene-d10	12.57	164	196899	20.00	ng	-0.01
63) Phenanthrene-d10	14.97	188	304986	20.00	ng	-0.01
75) Chrysene-d12	18.64	240	216215	20.00	ng	-0.02
86) Perylene-d12	20.30	264	194007	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	908694	152.35	ng	0.00
7) Phenol-d6	7.27	99	1165769	162.90	ng	0.00
23) Nitrobenzene-d5	8.62	82	677525	103.48	ng	-0.01
41) 2,4,6-Tribromophenol	13.87	330	207526	128.70	ng	-0.01
44) 2-Fluorobiphenyl	11.52	172	1096489	80.15	ng	-0.01
78) Terphenyl-d14	17.30	244	796884	81.18	ng	-0.01
Target Compounds						Qvalue
10) Phenol	7.28	94	28468	3.78	ng	84
15) Benzyl Alcohol	7.97	79	13640	2.96	ng	# 73
19) n-Nitroso-di-n-propylamine	8.62	70	88276	18.24	ng	# 76
49) Dimethylphthalate	12.21	163	315705	19.53	ng	97
70) Phenanthrene	15.01	178	40230	2.30	ng	98
74) Fluoranthene	16.75	202	202940	11.29	ng	99
77) Pyrene	17.05	202	190964	11.81	ng	96
80) Benzo(a)anthracene	18.67	228	119761	9.52	ng	97
82) Chrysene	18.67	228	119761	9.84	ng	97
83) Bis(2-ethylhexyl)phthalate	18.71	149	28564	2.67	ng	# 92
85) Indeno(1,2,3-cd)pyrene	21.59	276	56260	5.69	ng	95
87) Benzo(b)fluoranthene	19.90	252	174756	14.58	ng	# 94
88) Benzo(k)fluoranthene	19.90	252	174756	15.11	ng	98
89) Benzo(a)pyrene	20.25	252	90539	8.18	ng	99
91) Benzo(a,h,i)perylene	21.97	276	53279	5.94	ng	99

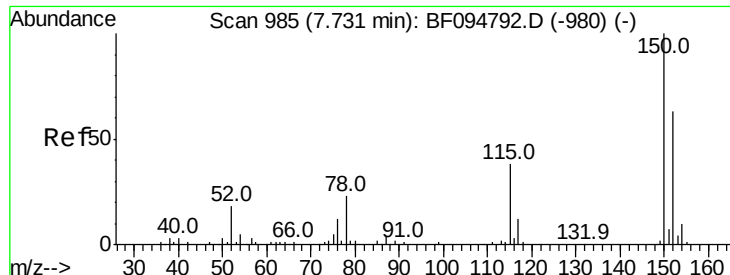
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.72 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF094848.D

Acq: 3 May 2017 22:42

Instrument :

BNA_F

ClientSampleId :

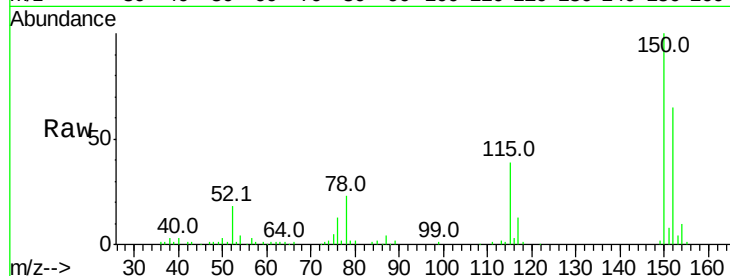
Tot Ion:152 Resp: 99439

Ion Ratio Lower Upper

152 100

150 153.2 126.2 189.2

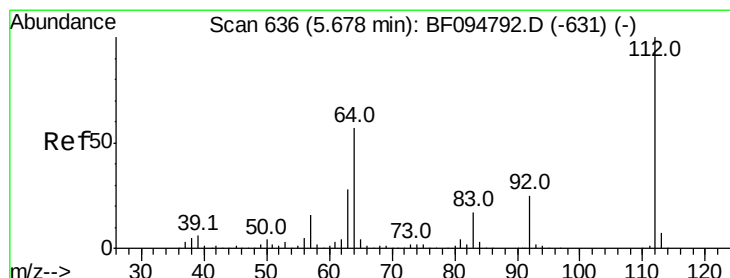
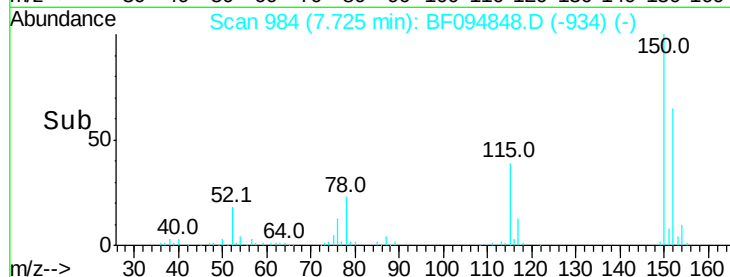
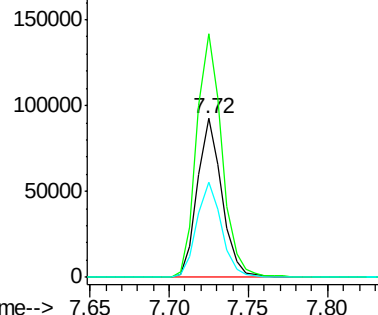
115 59.6 52.2 78.2



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: 152.35 ng

RT: 5.68 min Scan# 636

Delta R.T. 0.00 min

Lab File: BF094848.D

Acq: 3 May 2017 22:42

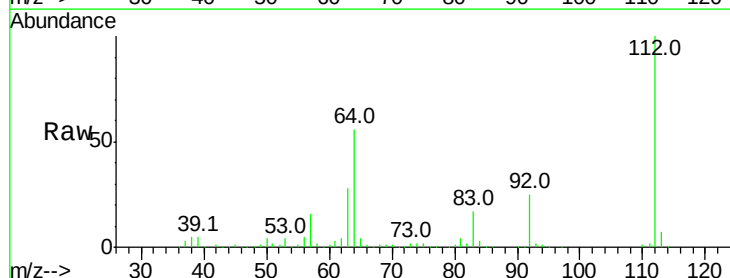
Tgt Ion:112 Resp: 908694

Ion Ratio Lower Upper

112 100

64 55.6 46.0 69.0

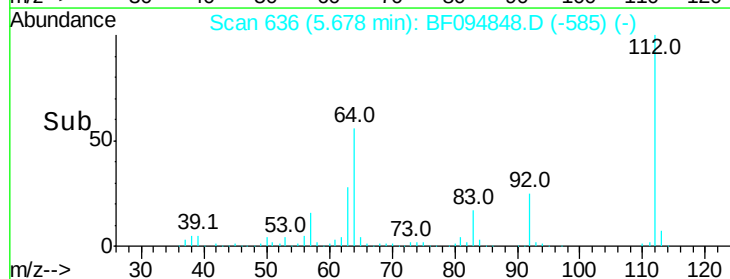
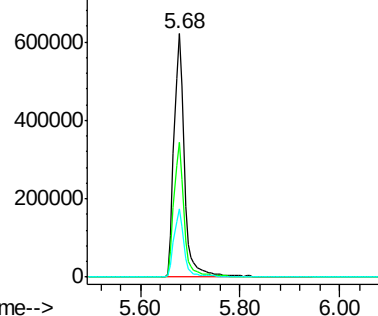
63 28.0 23.4 35.0

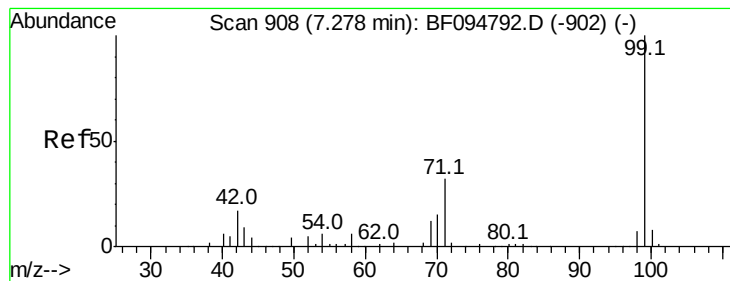


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 162.90 ng

RT: 7.27 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF094848.D

Acq: 3 May 2017 22:42

Instrument :

BNA_F

ClientSampleId :

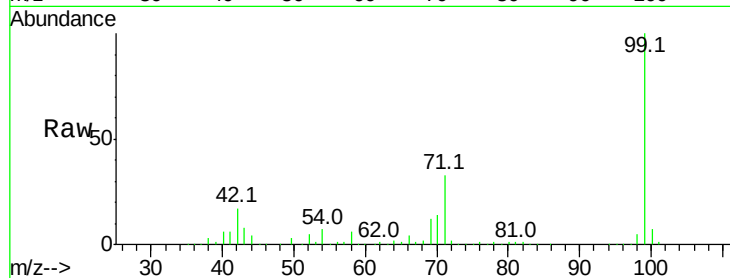
Tot Ion: 99 Resp: 1165769

Ion Ratio Lower Upper

99 100

42 16.6 13.5 20.3

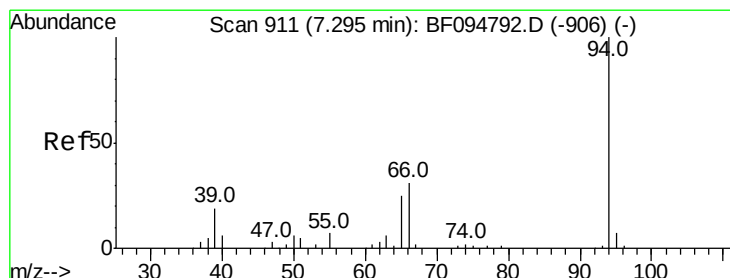
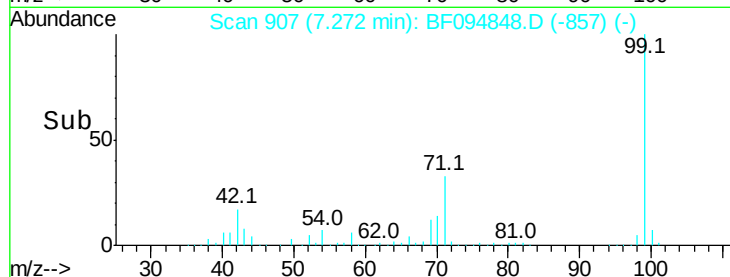
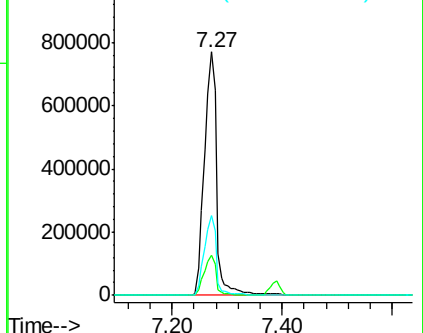
71 32.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.78 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF094848.D

Acq: 3 May 2017 22:42

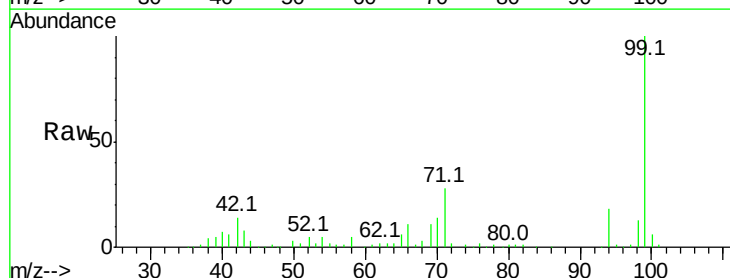
Tgt Ion: 94 Resp: 28468

Ion Ratio Lower Upper

94 100

65 31.5 9.9 49.9

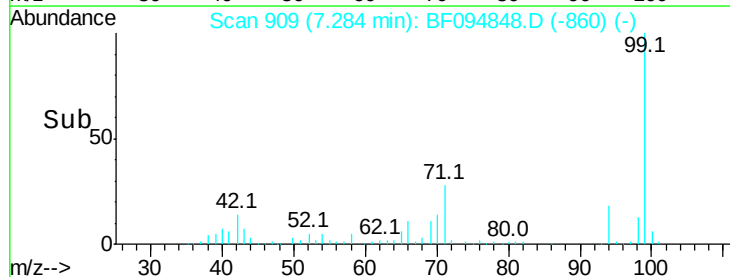
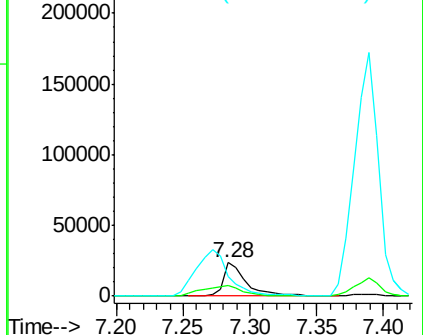
66 58.8 23.1 63.1

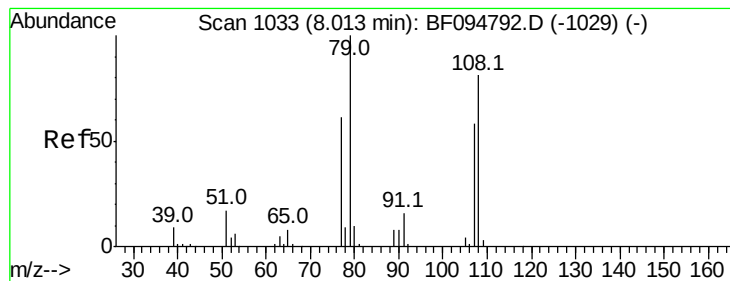


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.96 ng

RT: 7.97 min Scan# 1025

Delta R.T. -0.05 min

Lab File: BF094848.D

Acq: 3 May 2017 22:42

Instrument :

BNA_F

ClientSampleID :

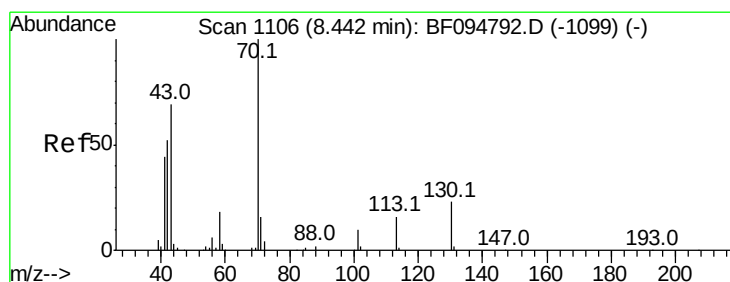
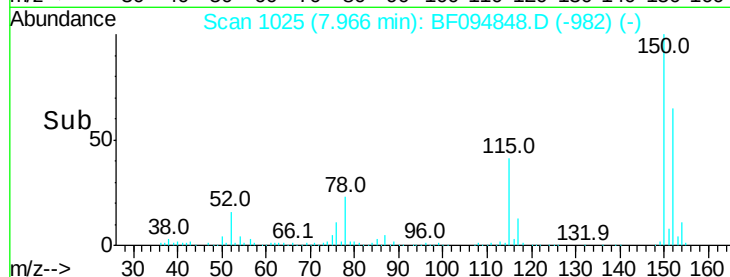
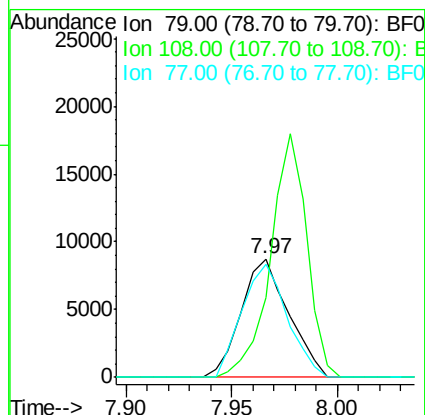
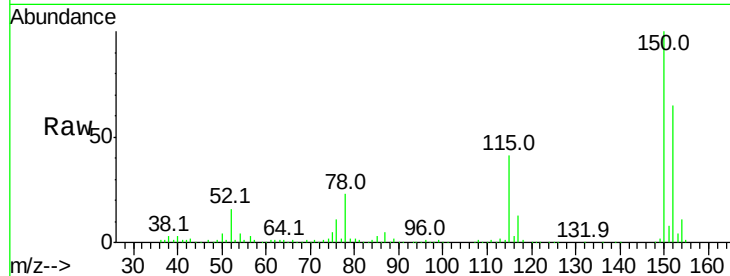
Tot Ion: 79 Resp: 13640

Ion Ratio Lower Upper

79 100

108 67.6 63.4 95.0

77 95.5 49.2 73.8#



#19

n-Nitroso-di-n-propylamine

Concen: 18.24 ng

RT: 8.62 min Scan# 1137

Delta R.T. 0.18 min

Lab File: BF094848.D

Acq: 3 May 2017 22:42

Tgt Ion: 70 Resp: 88276

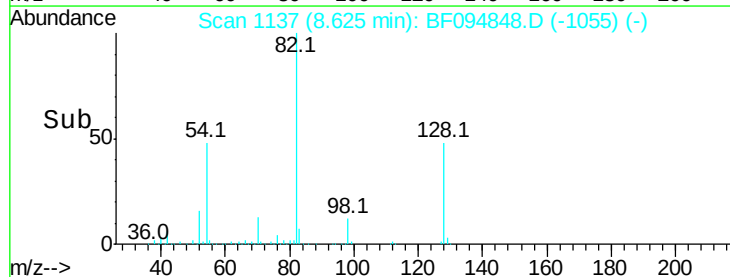
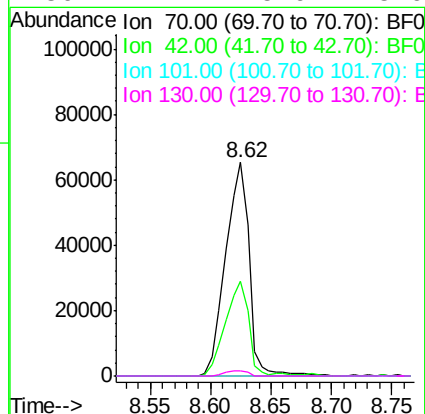
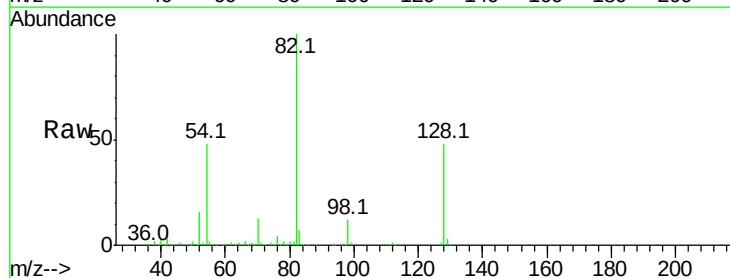
Ion Ratio Lower Upper

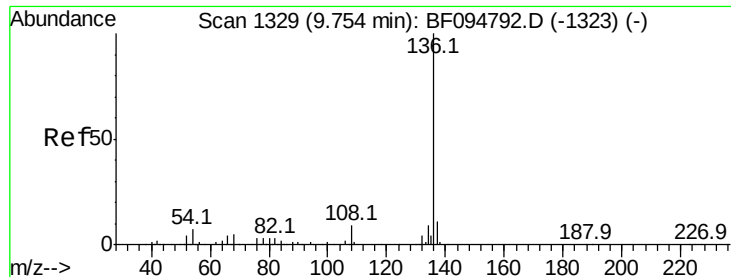
70 100

42 44.4 47.2 70.8#

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

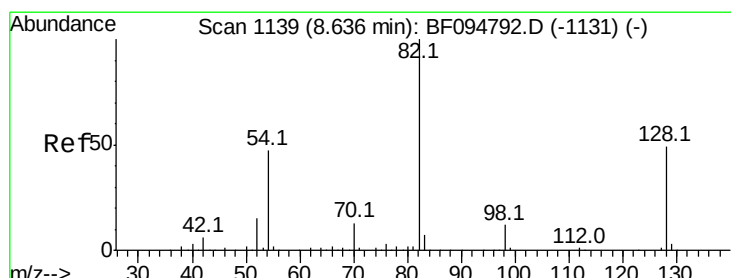
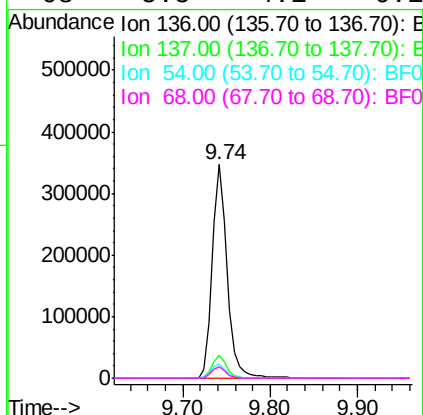
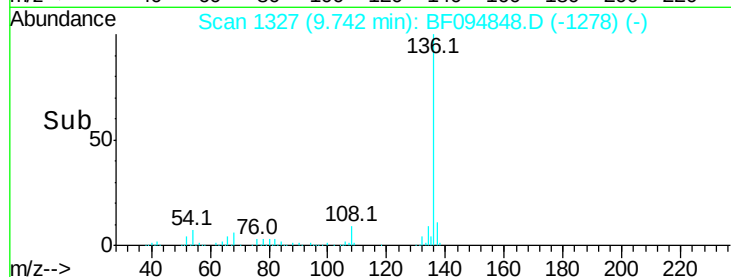
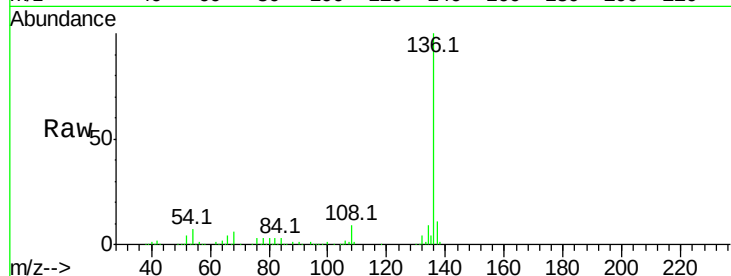




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.74 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF094848.D
Acq: 3 May 2017 22:42

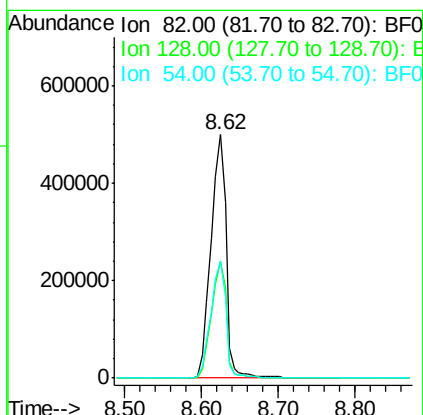
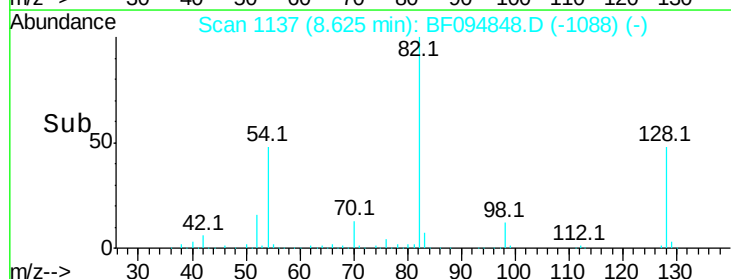
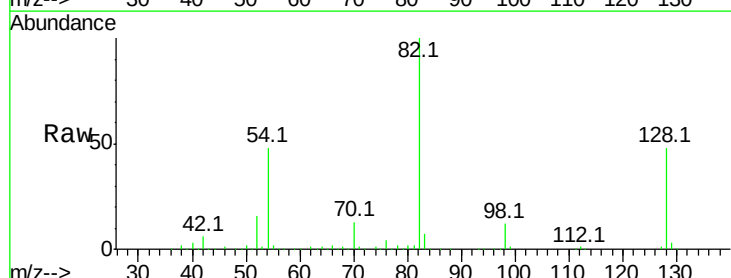
Instrument :
BNA_F
ClientSampleId :

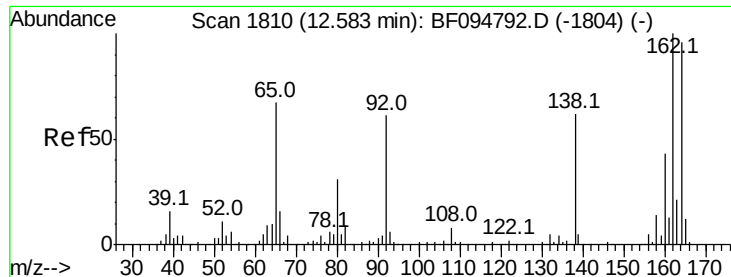
Tot Ion:136	Resp:	412866
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.5 12.7
54	6.7	4.9 7.3
68	5.5	4.1 6.1



#23
Nitrobenzene-d5
Concen: 103.48 ng
RT: 8.62 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF094848.D
Acq: 3 May 2017 22:42

Tgt Ion: 82	Resp:	677525
Ion Ratio	Lower	Upper
82	100	
128	48.1	34.0 51.0
54	48.2	42.2 63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.57 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF094848.D

Acq: 3 May 2017 22:42

Instrument :

BNA_F

ClientSampleId :

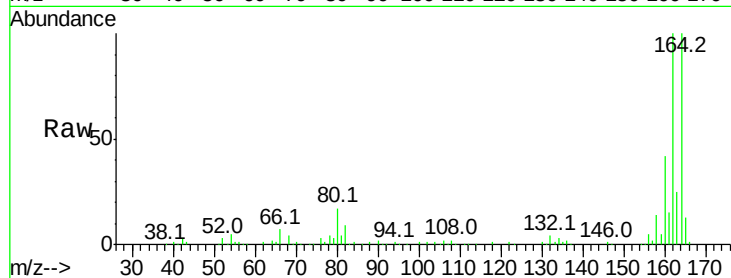
Tot Ion:164 Resp: 196899

Ion Ratio Lower Upper

164 100

162 100.1 82.6 123.8

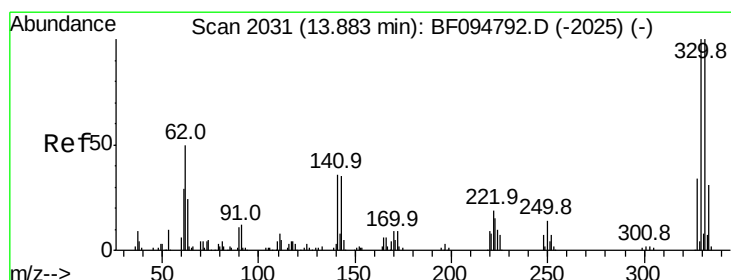
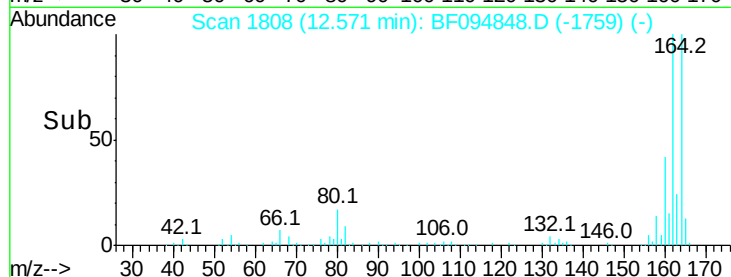
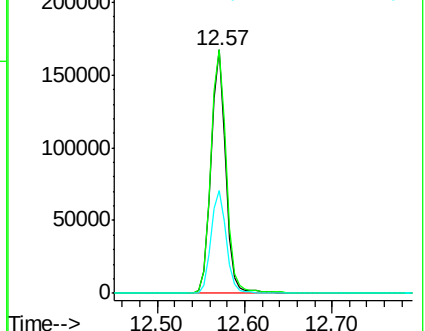
160 42.2 36.2 54.2



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: 128.70 ng

RT: 13.87 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF094848.D

Acq: 3 May 2017 22:42

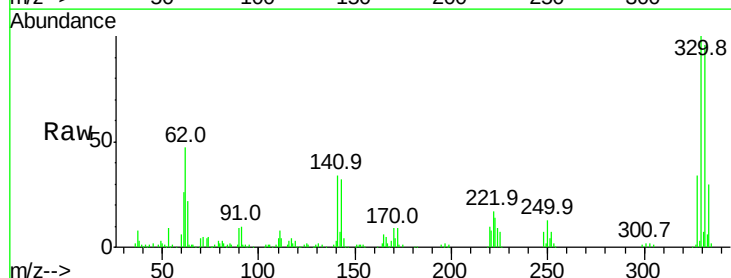
Tgt Ion:330 Resp: 207526

Ion Ratio Lower Upper

330 100

332 95.3 76.6 115.0

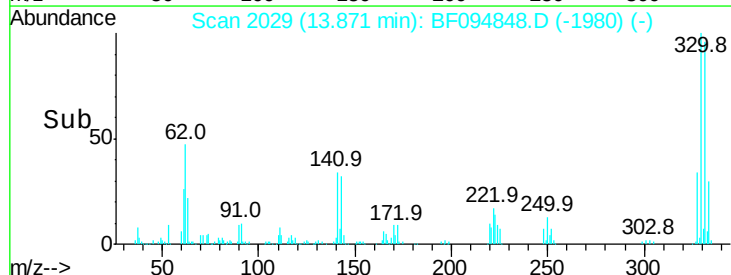
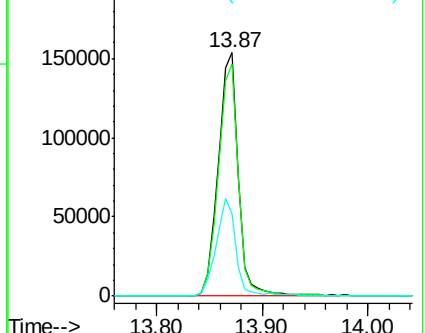
141 39.7 31.4 47.2

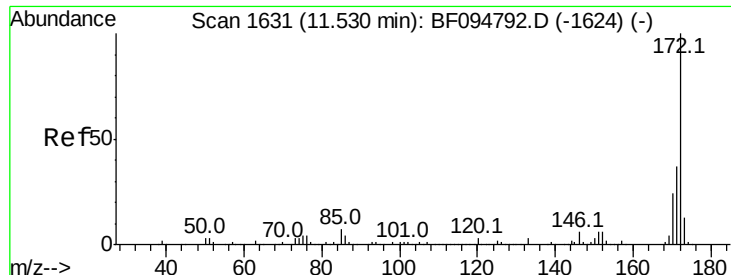


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

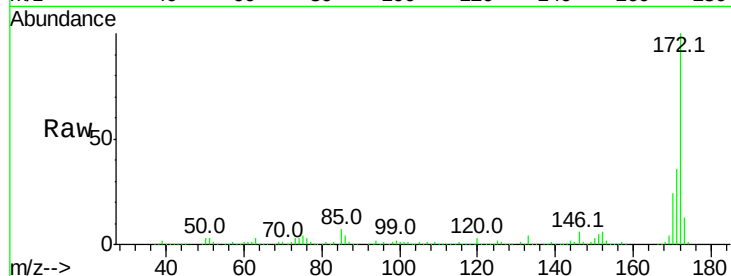




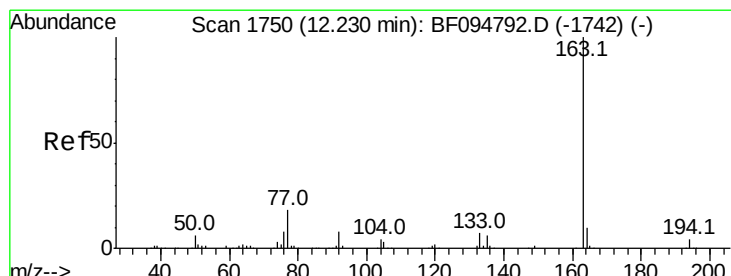
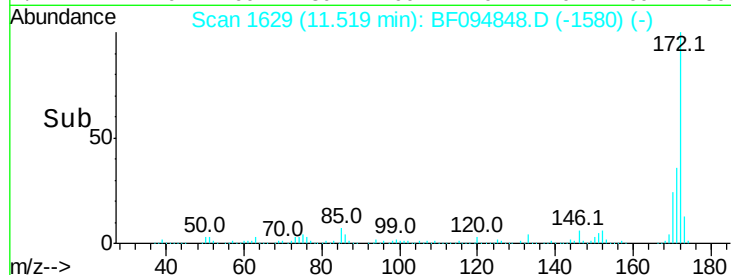
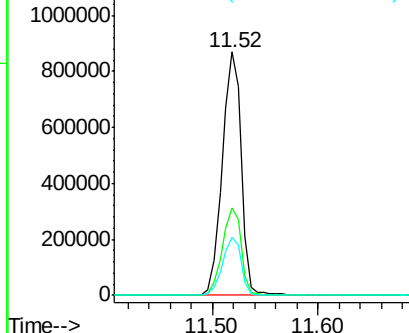
#44
2-Fluorobiphenyl
Concen: 80.15 ng
RT: 11.52 min Scan# 1629
Delta R.T. -0.01 min
Lab File: BF094848.D
Acq: 3 May 2017 22:42

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1096489
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 23.8 19.8 29.8

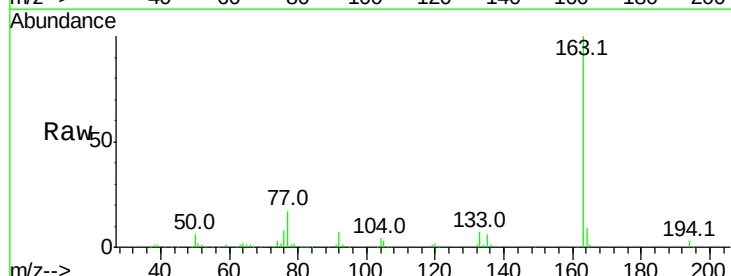


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

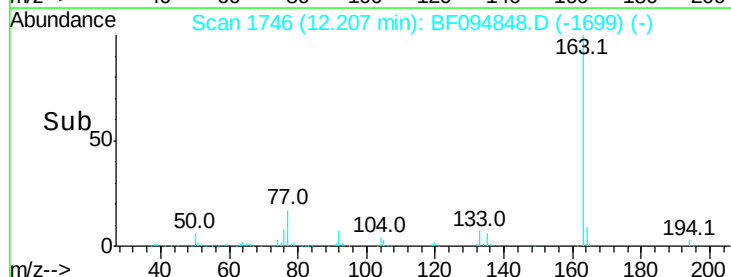
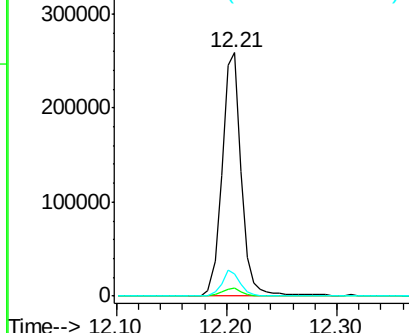


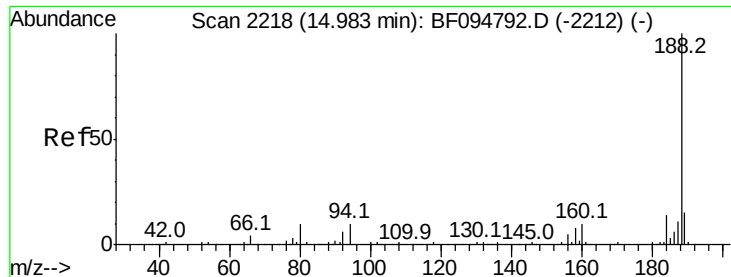
#49
Dimethylphthalate
Concen: 19.53 ng
RT: 12.21 min Scan# 1746
Delta R.T. -0.02 min
Lab File: BF094848.D
Acq: 3 May 2017 22:42

Tgt Ion:163 Resp: 315705
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.3 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

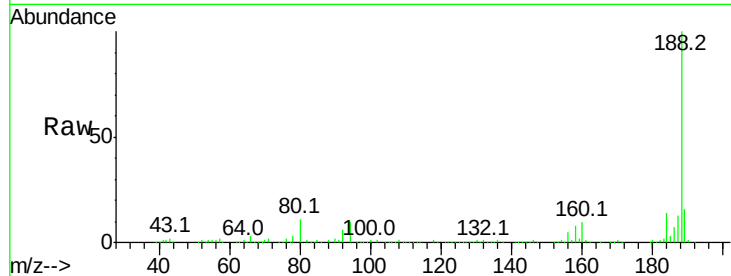




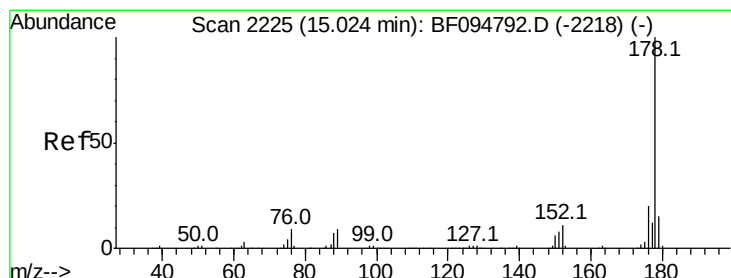
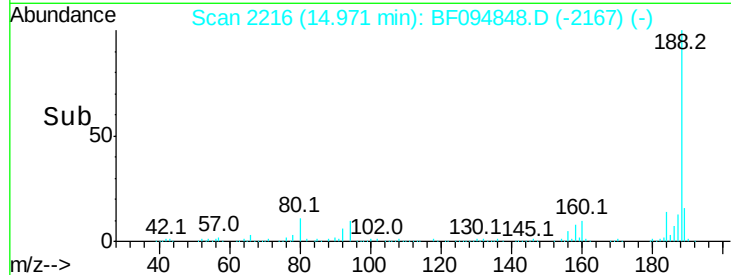
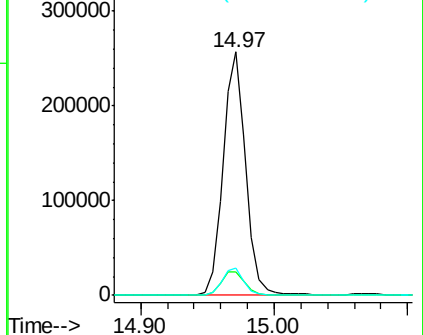
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.97 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BF094848.D
 Acq: 3 May 2017 22:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 304986
 Ion Ratio Lower Upper
 188 100
 94 9.7 9.4 14.2
 80 11.0 10.2 15.2

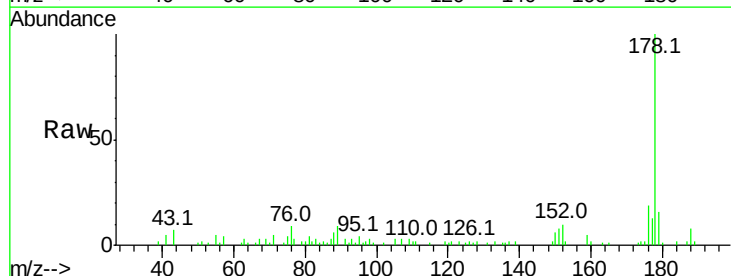


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

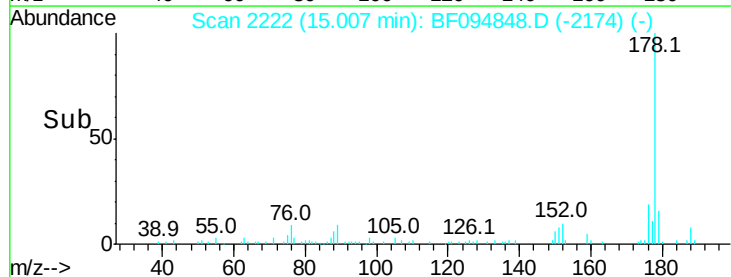
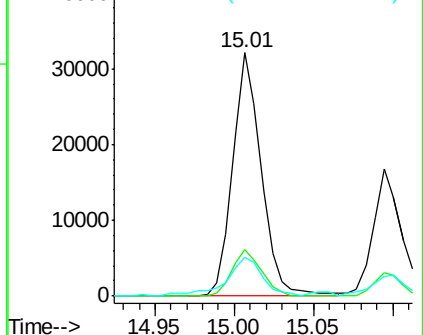


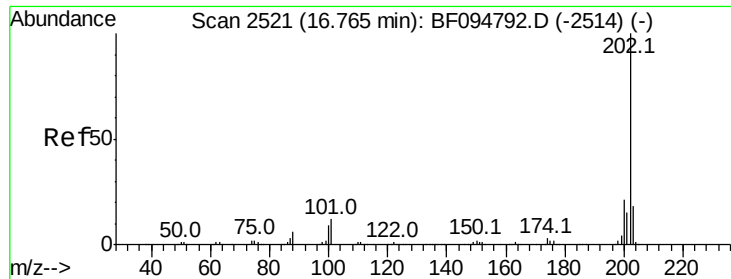
#70
 Phenanthrene
 Concen: 2.30 ng
 RT: 15.01 min Scan# 2222
 Delta R.T. -0.02 min
 Lab File: BF094848.D
 Acq: 3 May 2017 22:42

Tgt Ion:178 Resp: 40230
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.2 24.4
 179 15.7 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





#74

Fluoranthene

Concen: 11.29 ng

RT: 16.75 min Scan# 2518

Delta R.T. -0.02 min

Lab File: BF094848.D

Acq: 3 May 2017 22:42

Instrument :

BNA_F

ClientSampled :

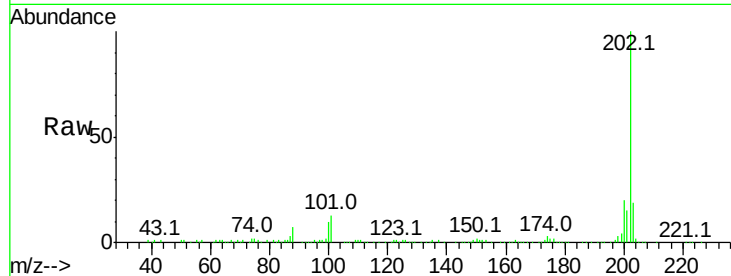
Tot Ion:202 Resp: 202940

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

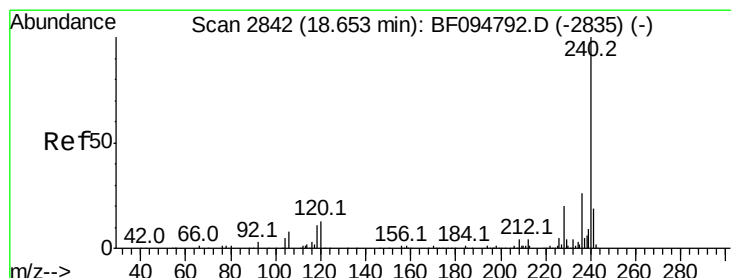
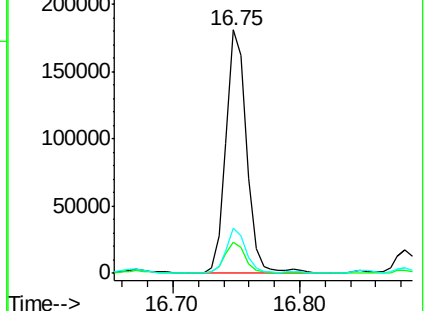
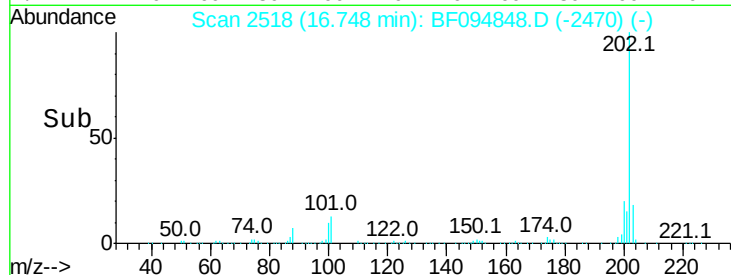
203 18.6 0.0 38.1



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: 18.64 min Scan# 2839

Delta R.T. -0.02 min

Lab File: BF094848.D

Acq: 3 May 2017 22:42

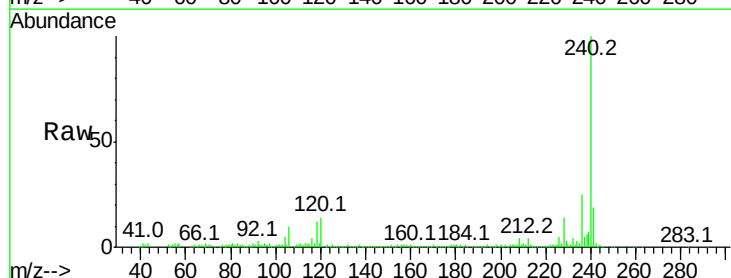
Tgt Ion:240 Resp: 216215

Ion Ratio Lower Upper

240 100

120 13.8 5.8 8.8#

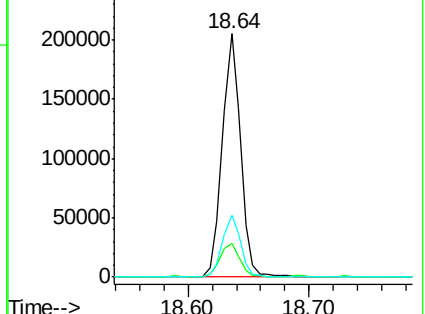
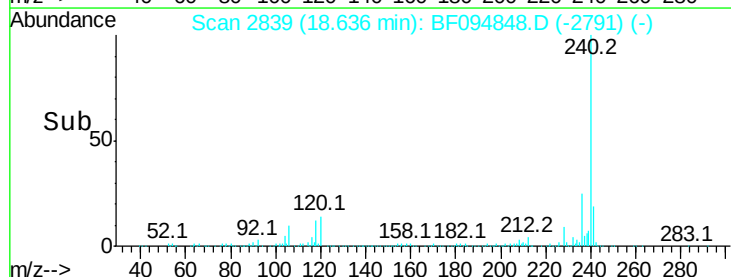
236 25.4 20.5 30.7

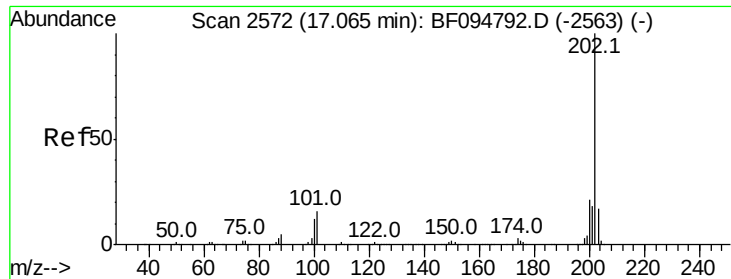


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 11.81 ng

RT: 17.05 min Scan# 2569

Delta R.T. -0.02 min

Lab File: BF094848.D

Acq: 3 May 2017 22:42

Instrument :

BNA_F

ClientSampleId :

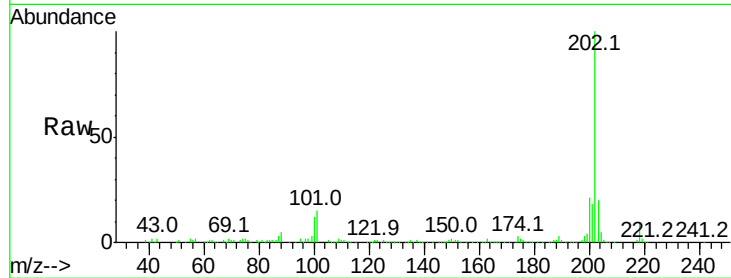
Tot Ion:202 Resp: 190964

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

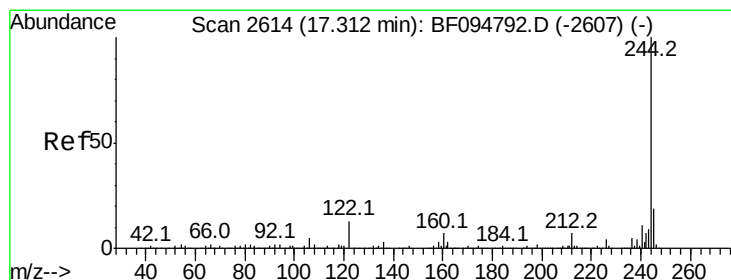
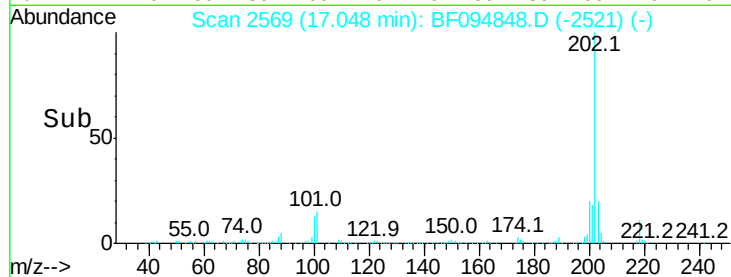
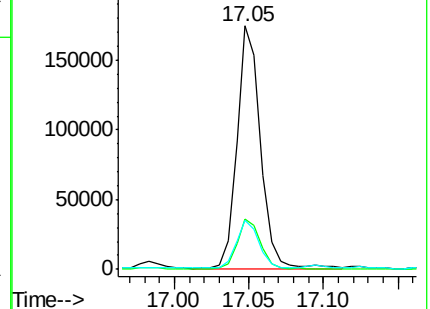
203 20.3 14.4 21.6



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: 81.18 ng

RT: 17.30 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BF094848.D

Acq: 3 May 2017 22:42

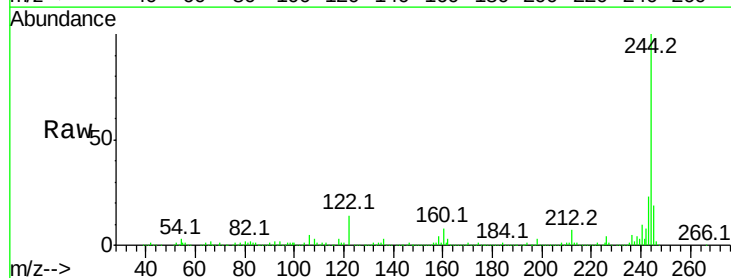
Tgt Ion:244 Resp: 796884

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

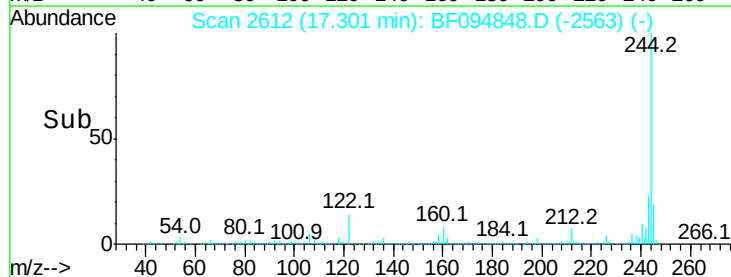
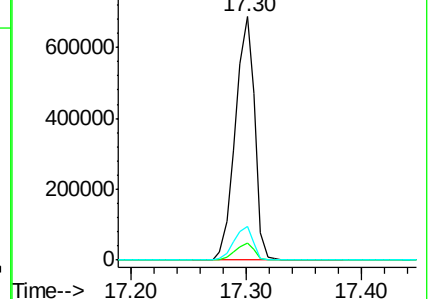
122 13.8 10.3 15.5

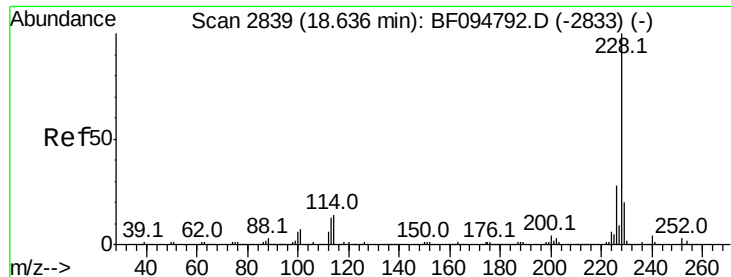


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.52 ng

RT: 18.67 min Scan# 2845

Delta R.T. 0.04 min

Lab File: BF094848.D

Acq: 3 May 2017 22:42

Instrument :

BNA_F

ClientSampleId :

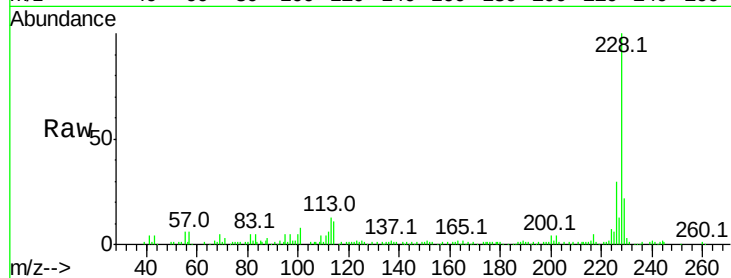
Tot Ion:228 Resp: 119761

Ion Ratio Lower Upper

228 100

226 30.2 22.6 33.8

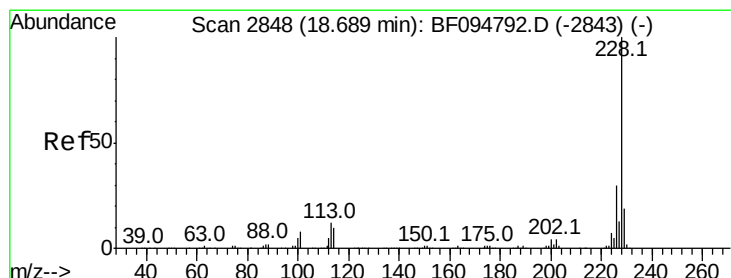
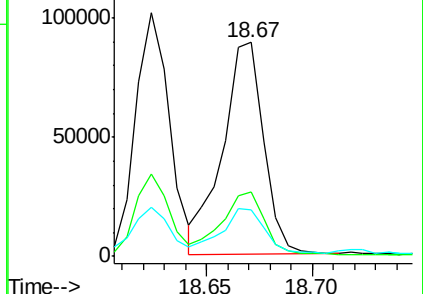
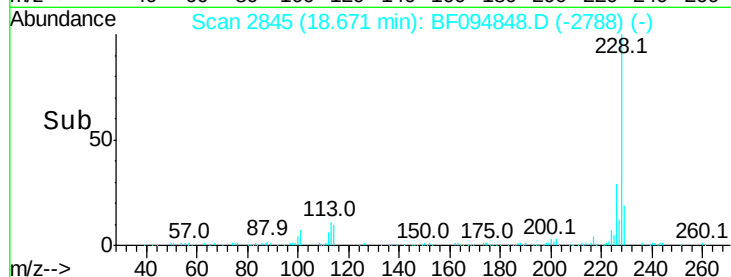
229 21.6 16.3 24.5



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: 9.84 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.02 min

Lab File: BF094848.D

Acq: 3 May 2017 22:42

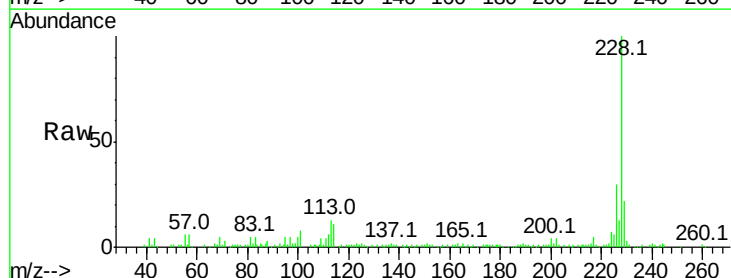
Tgt Ion:228 Resp: 119761

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

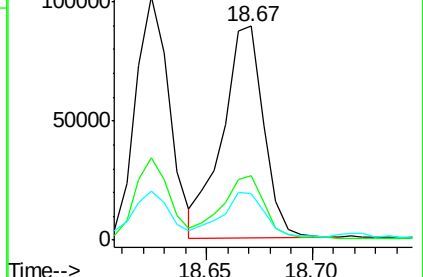
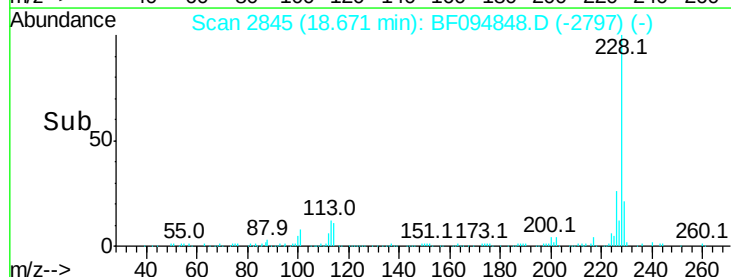
229 21.6 15.8 23.6

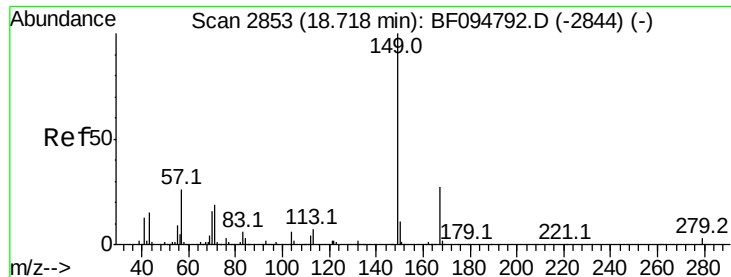


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

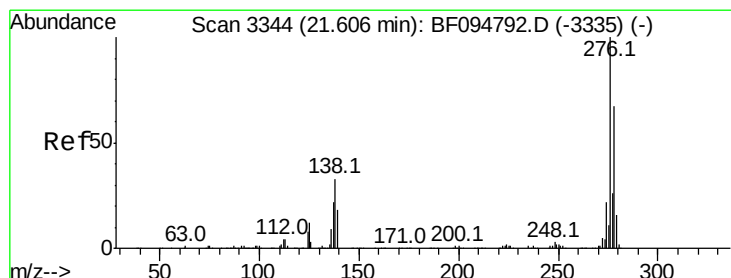
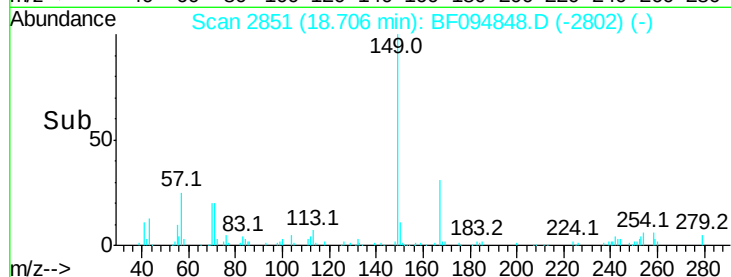
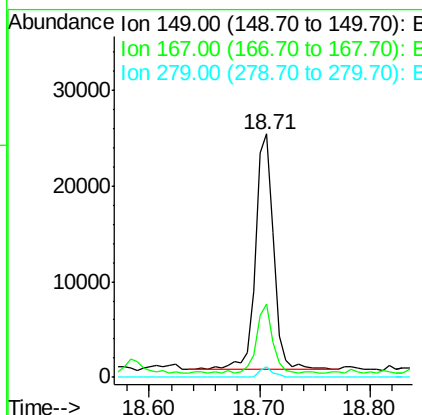
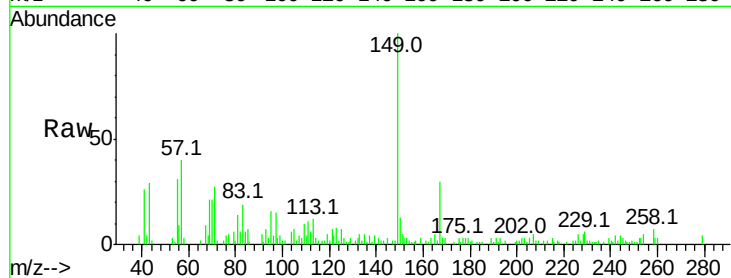




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.67 ng
 RT: 18.71 min Scan# 2851
 Delta R.T. -0.01 min
 Lab File: BF094848.D
 Acq: 3 May 2017 22:42

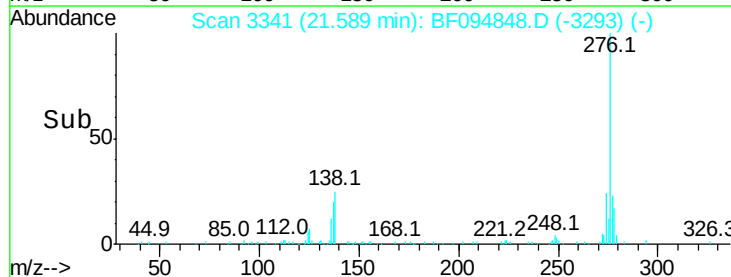
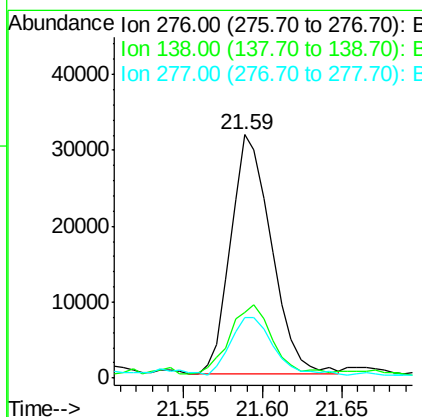
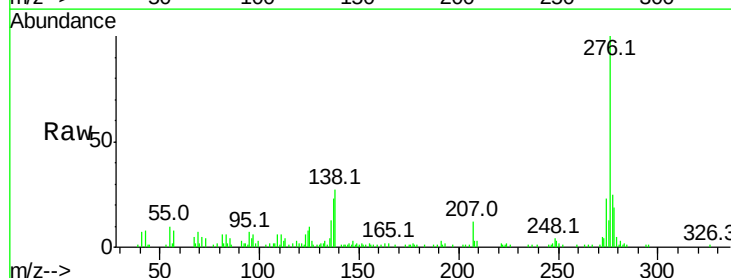
Instrument :
 BNA_F
 ClientSampleId :

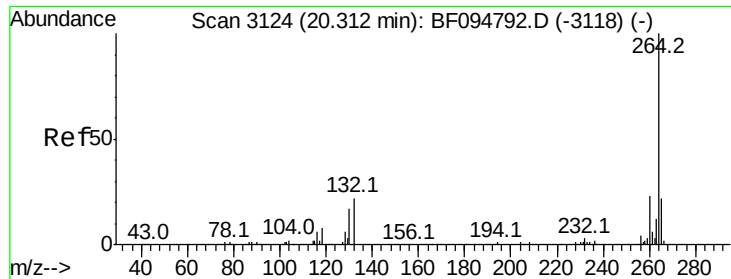
Tot Ion:149 Resp: 28564
 Ion Ratio Lower Upper
 149 100
 167 30.2 21.0 31.4
 279 4.3 1.9 2.9#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.69 ng
 RT: 21.59 min Scan# 3341
 Delta R.T. -0.02 min
 Lab File: BF094848.D
 Acq: 3 May 2017 22:42

Tgt Ion:276 Resp: 56260
 Ion Ratio Lower Upper
 276 100
 138 30.1 27.8 41.6
 277 25.3 20.2 30.4

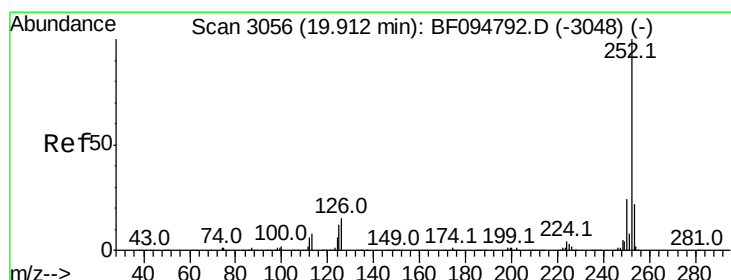
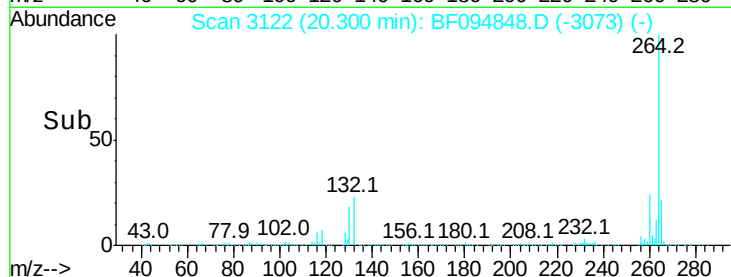
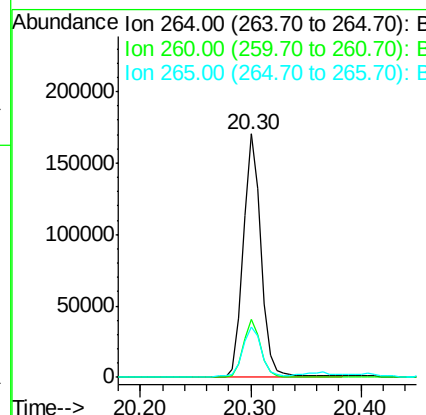
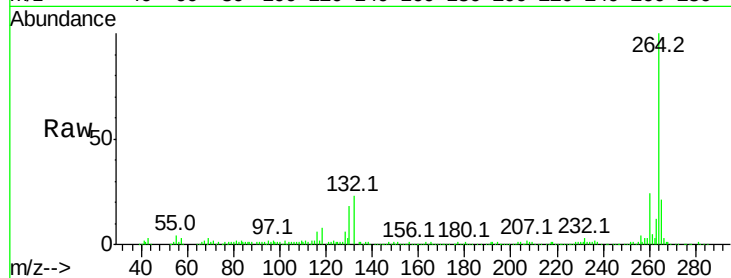




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF094848.D
Acq: 3 May 2017 22:42

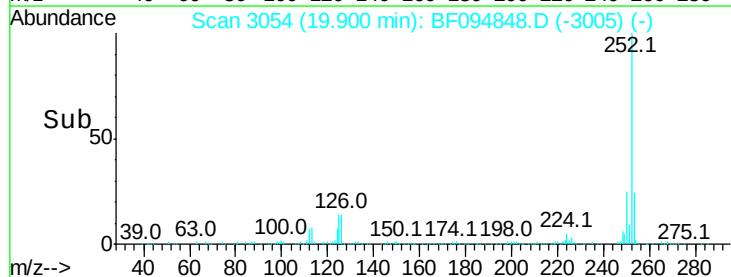
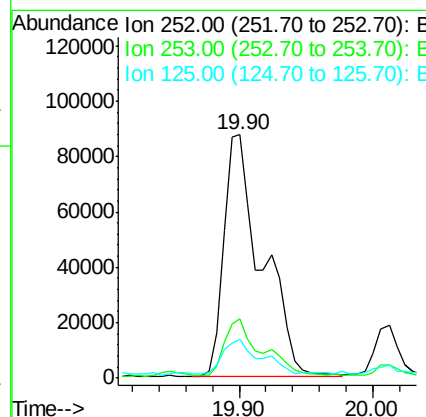
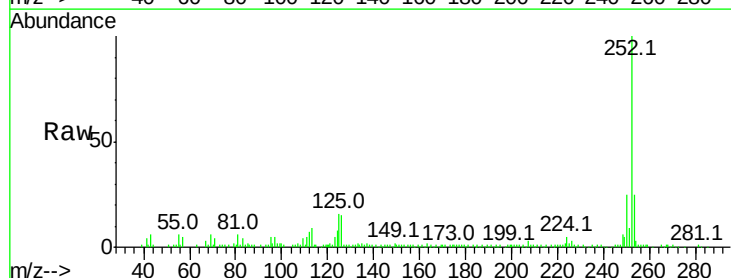
Instrument :
BNA_F
ClientSampled :

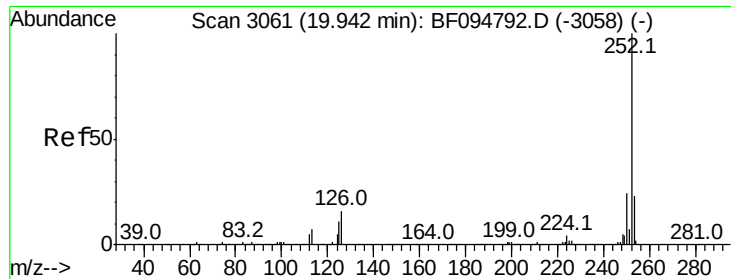
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	20.7	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 14.58 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF094848.D
Acq: 3 May 2017 22:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.1	27.1
125	15.9	9.8	14.8

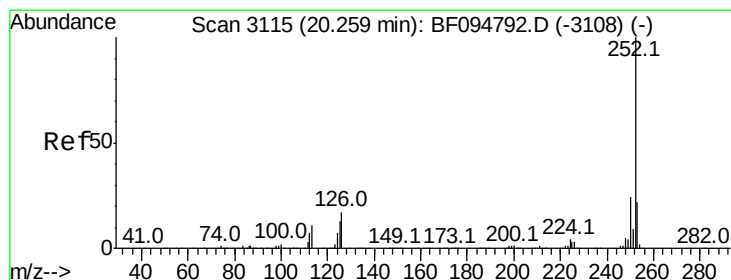
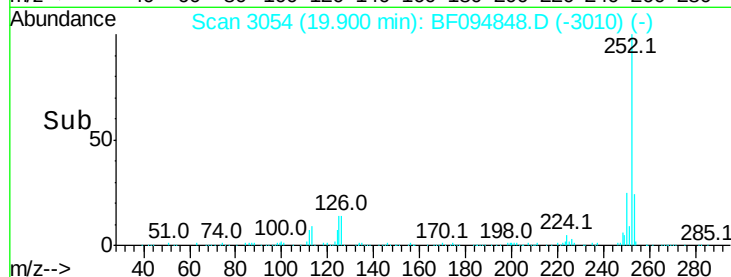
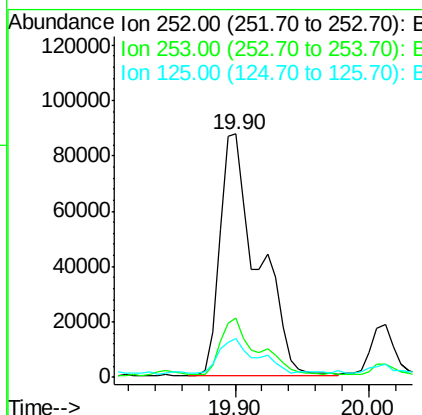
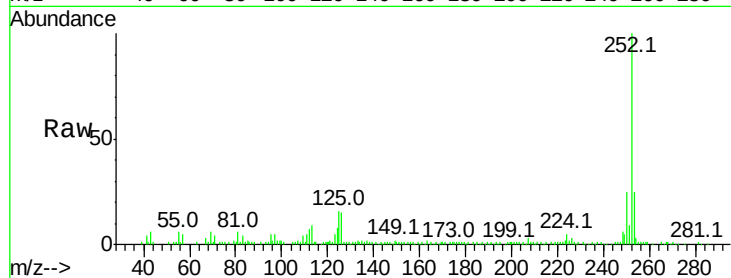




#88
Benzo(k)fluoranthene
Concen: 15.11 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.04 min
Lab File: BF094848.D
Acq: 3 May 2017 22:42

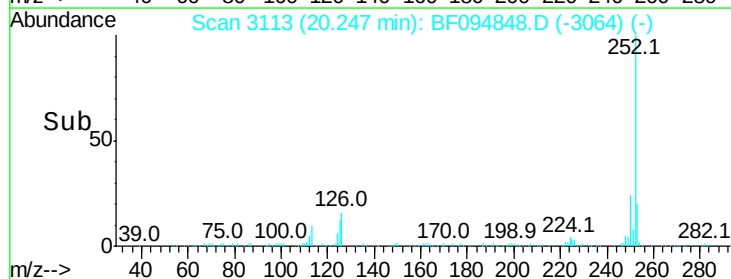
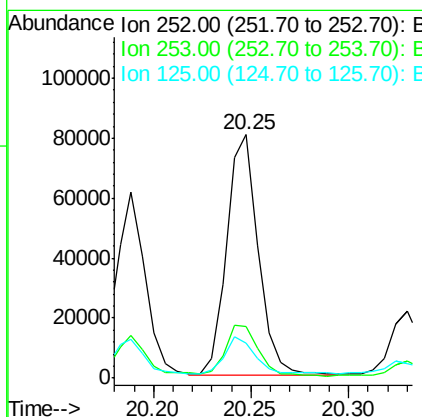
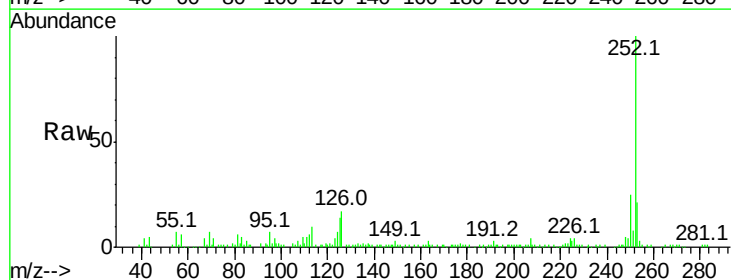
Instrument :
BNA_F
ClientSampled :

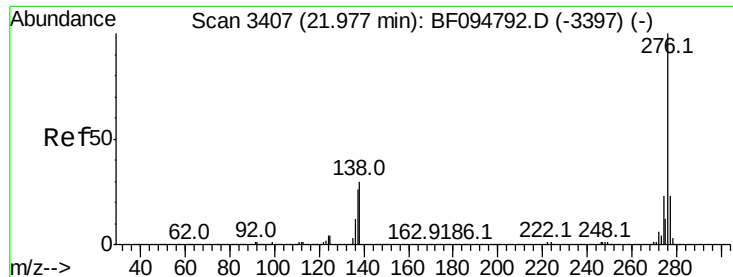
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.4	27.6
125	15.9	13.1	19.7



#89
Benzo(a)pyrene
Concen: 8.18 ng
RT: 20.25 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BF094848.D
Acq: 3 May 2017 22:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.5	26.3
125	14.3	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 5.94 ng

RT: 21.97 min Scan# 3405

Delta R.T. -0.01 min

Lab File: BF094848.D

Acq: 3 May 2017 22:42

Instrument :

BNA_F

ClientSampleId :

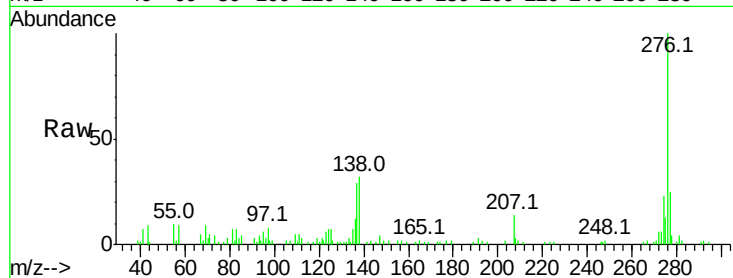
Tot Ion: 276 Resp: 53279

Ion Ratio Lower Upper

276 100

277 24.6 18.6 28.0

138 31.9 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

