

Data Path : Z:\HPCHEM1\BNA_F\Data\BF041317\
 Data File : BF094426.D
 Acq On : 14 Apr 2017 12:07
 Operator : SJ/MA
 Sample : I2672-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z8-NSW

Quant Time: Apr 14 12:37:11 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 14 01:21:26 2017
 Response via : Initial Calibration

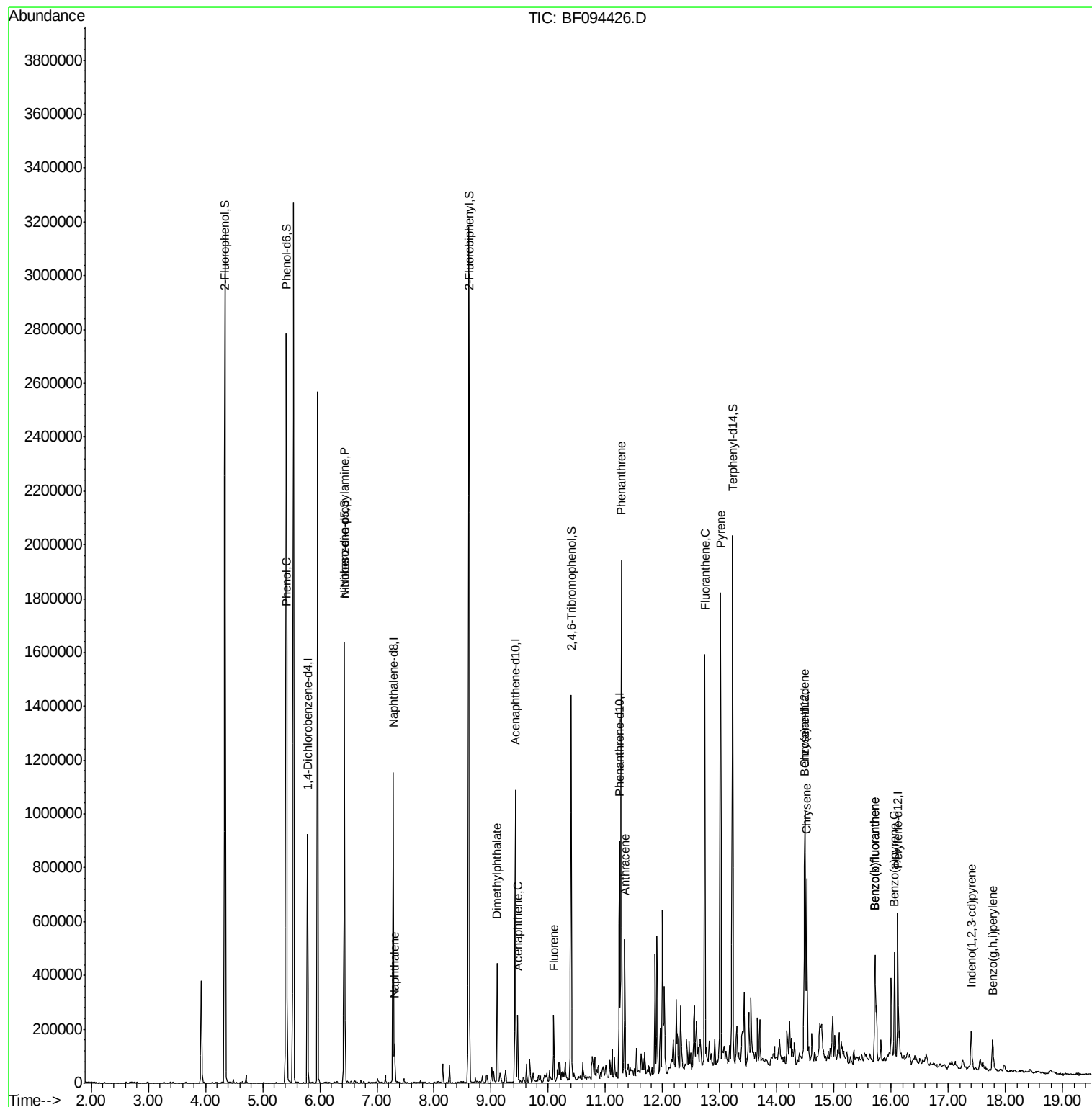
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.79	152	148200	20.00	ng	-0.04
21) Naphthalene-d8	7.29	136	560312	20.00	ng	-0.05
38) Acenaphthene-d10	9.42	164	230726	20.00	ng	-0.05
63) Phenanthrene-d10	11.24	188	355542	20.00	ng	-0.05
75) Chrysene-d12	14.50	240	264669	20.00	ng	-0.05
86) Perylene-d12	16.12	264	208781	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	4.34	112	930120	106.00	ng	-0.04
7) Phenol-d6	5.42	99	1152548	106.18	ng	-0.05
23) Nitrobenzene-d5	6.43	82	696067	70.90	ng	-0.05
41) 2,4,6-Tribromophenol	10.40	330	176677	96.90	ng	-0.05
44) 2-Fluorobiphenyl	8.61	172	1141904	75.49	ng	-0.05
78) Terphenyl-d14	13.23	244	732165	62.01	ng	-0.05
Target Compounds						Qvalue
10) Phenol	5.43	94	55386	4.48	ng	86
19) n-Nitroso-di-n-propylamine	6.43	70	90459	12.97	ng	# 78
31) Naphthalene	7.31	128	62854	2.33	ng	99
49) Dimethylphthalate	9.11	163	209260	12.76	ng	99
51) Acenaphthene	9.46	154	55447	3.92	ng	96
57) Fluorene	10.10	166	74448	4.67	ng	99
70) Phenanthrene	11.28	178	877355	44.36	ng	98
71) Anthracene	11.34	178	223945	11.00	ng	98
74) Fluoranthene	12.74	202	686014	33.87	ng	99
77) Pyrene	13.02	202	788957	41.07	ng	99
80) Benzo(a)anthracene	14.48	228	304548	19.73	ng	98
82) Chrysene	14.53	228	277004	19.34	ng	97
85) Indeno(1,2,3-cd)pyrene	17.40	276	76935	6.20	ng	95
87) Benzo(b)fluoranthene	15.72	252	286303	22.37	ng	97
88) Benzo(k)fluoranthene	15.72	252	286303	22.86	ng	96
89) Benzo(a)pyrene	16.06	252	176255	14.96	ng	99
91) Benzo(g,h,i)perylene	17.78	276	79839	7.94	ng	99

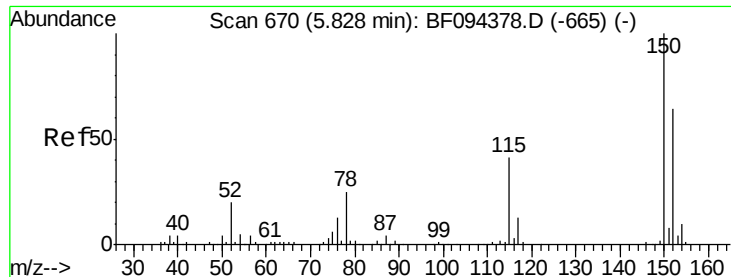
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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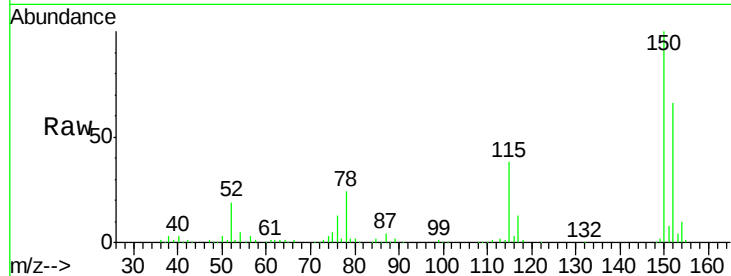


#1

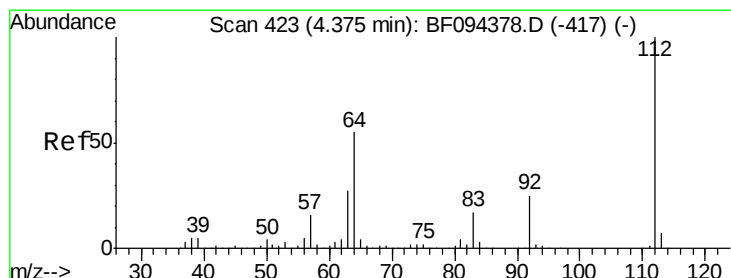
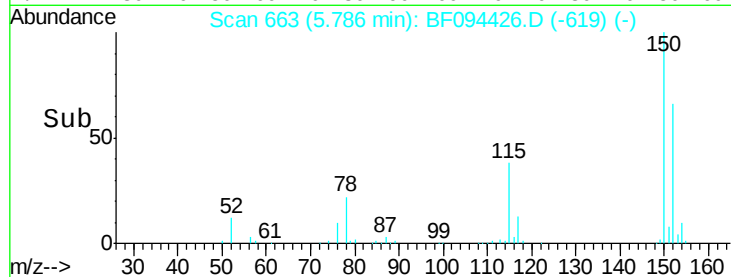
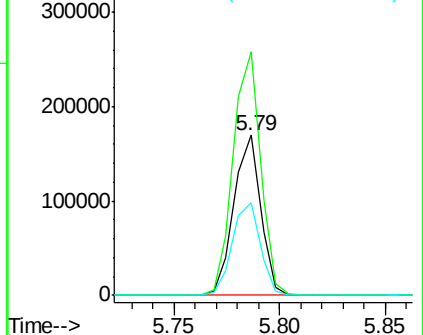
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.79 min Scan# 663
Delta R.T. -0.04 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Instrument :
BNA_F
ClientSampleId :
E2-Z8-NSW

Tgt Ion:152 Resp: 148200
Ion Ratio Lower Upper
152 100
150 152.1 126.2 189.2
115 57.5 52.2 78.2



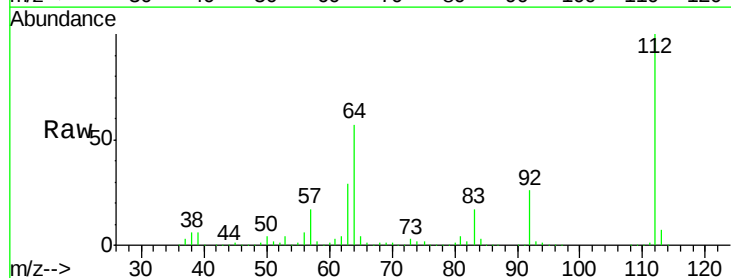
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



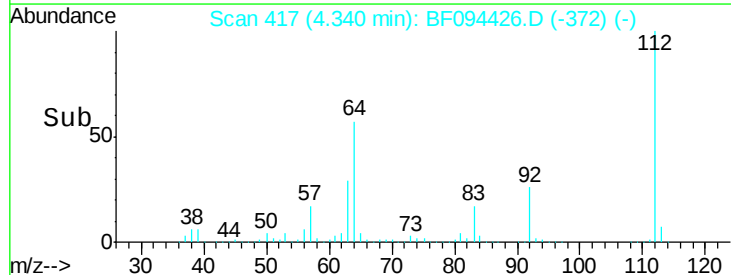
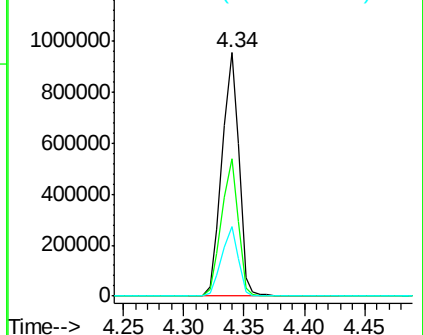
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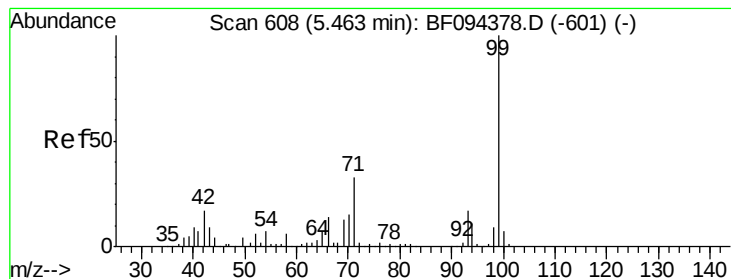
2-Fluorophenol
Concen: 106.00 ng
RT: 4.34 min Scan# 417
Delta R.T. -0.04 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Tgt Ion:112 Resp: 930120
Ion Ratio Lower Upper
112 100
64 56.6 46.0 69.0
63 28.5 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: 106.18 ng

RT: 5.42 min Scan# 600

Delta R.T. -0.05 min

Lab File: BF094426.D

Acq: 14 Apr 2017 12:07

Instrument :

BNA_F

ClientSampleId :

E2-Z8-NSW

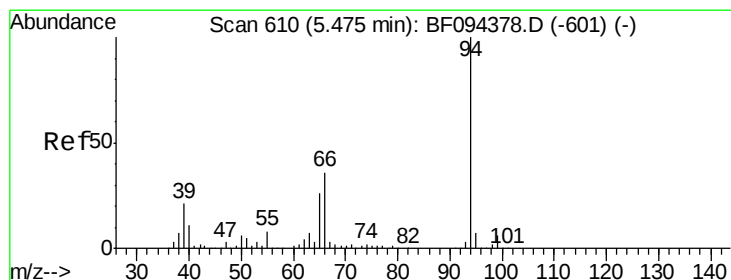
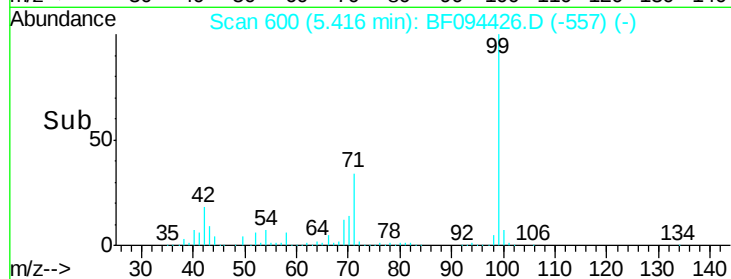
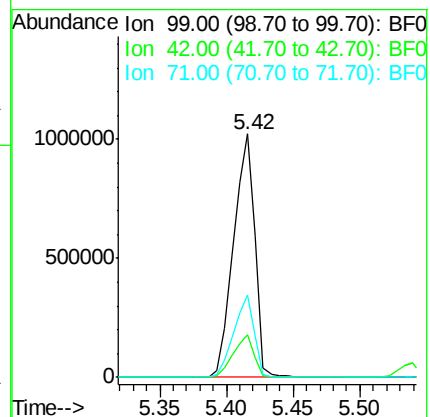
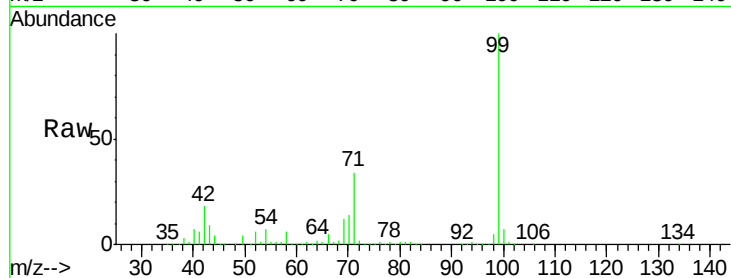
Tgt Ion: 99 Resp: 1152548

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

71 33.9 24.5 36.7



#10

Phenol

Concen: 4.48 ng

RT: 5.43 min Scan# 602

Delta R.T. -0.05 min

Lab File: BF094426.D

Acq: 14 Apr 2017 12:07

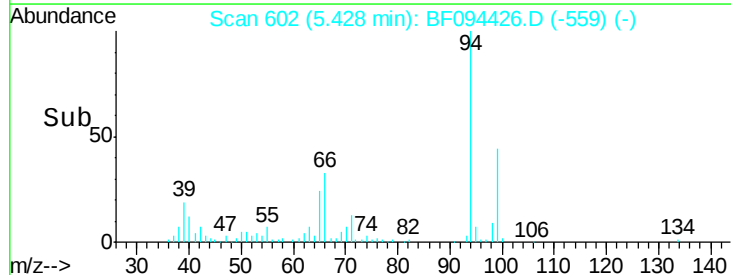
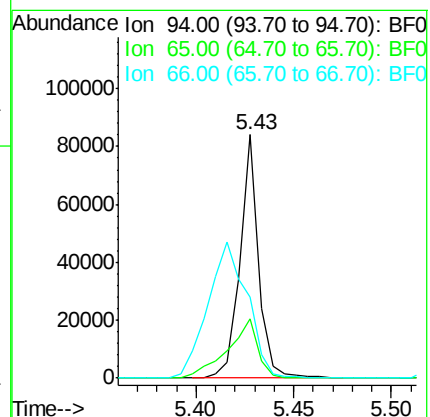
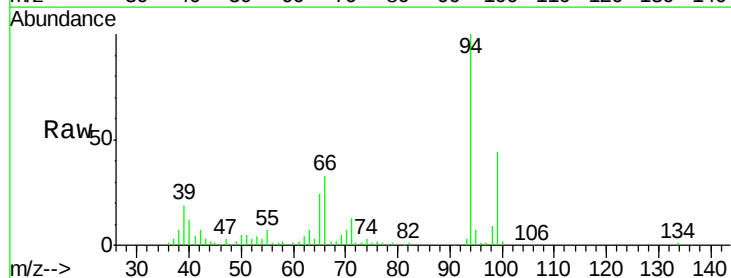
Tgt Ion: 94 Resp: 55386

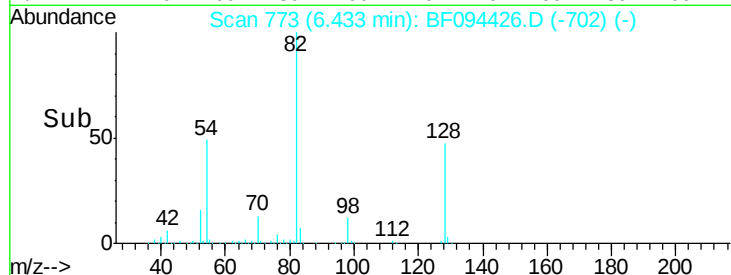
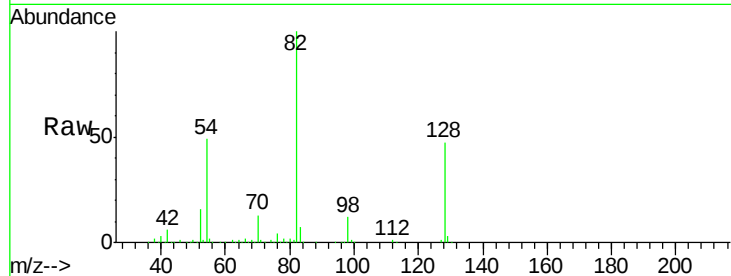
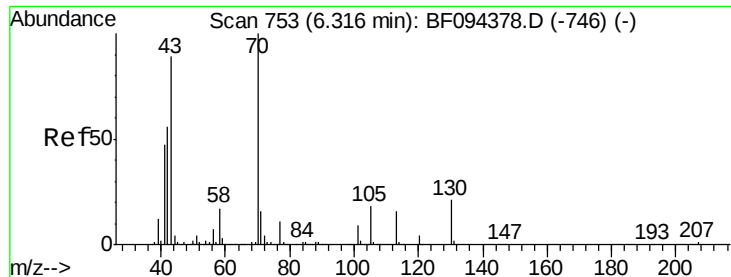
Ion Ratio Lower Upper

94 100

65 24.2 9.9 49.9

66 33.1 23.1 63.1

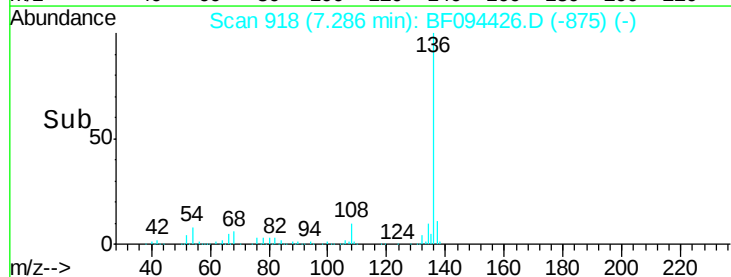
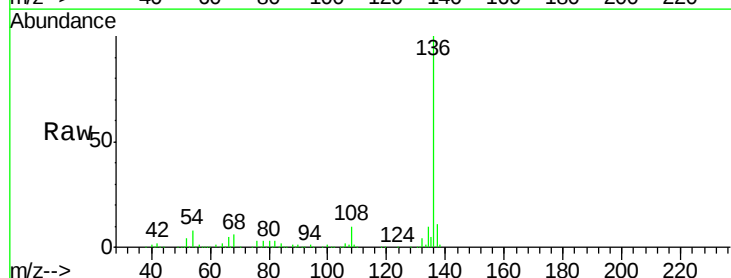
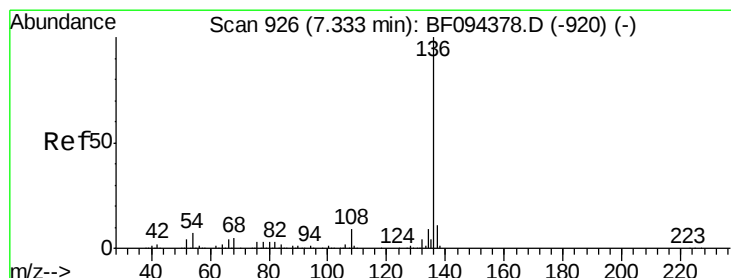
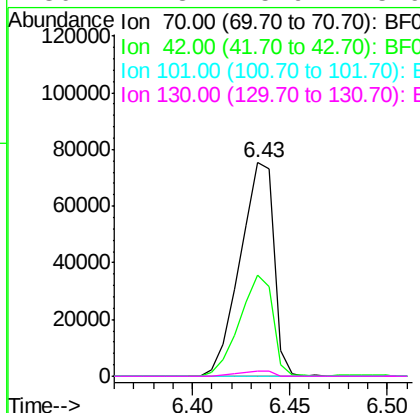




#19
n-Nitroso-di-n-propylamine
Concen: 12.97 ng
RT: 6.43 min Scan# 773
Delta R.T. 0.12 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

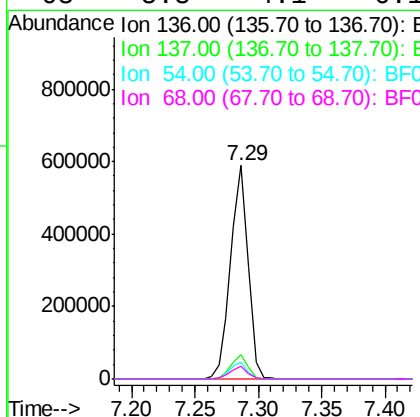
Instrument :
BNA_F
ClientSampleId :
E2-Z8-NSW

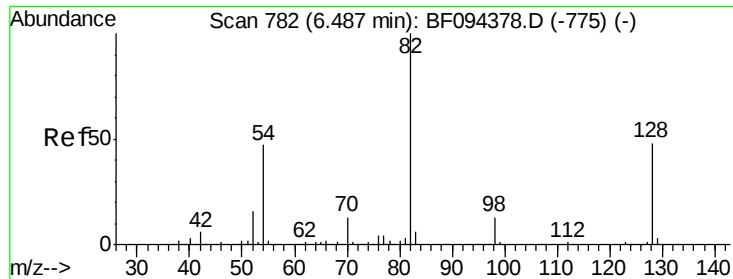
Tgt Ion: 70 Resp: 90459
Ion Ratio Lower Upper
70 100
42 47.2 47.2 70.8#
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.29 min Scan# 918
Delta R.T. -0.05 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Tgt Ion: 136 Resp: 560312
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 7.6 4.9 7.3#
68 5.8 4.1 6.1

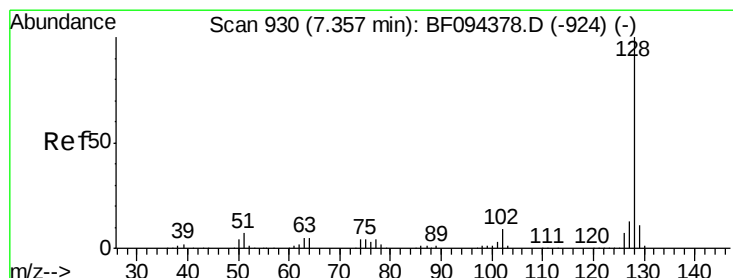
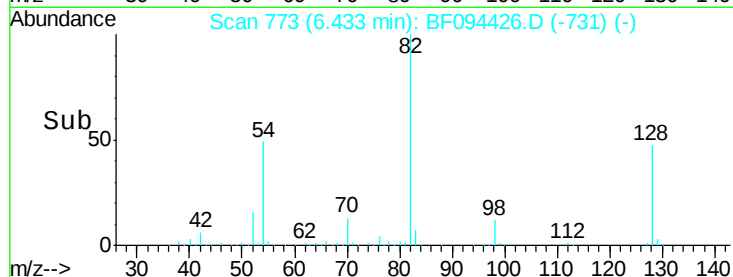
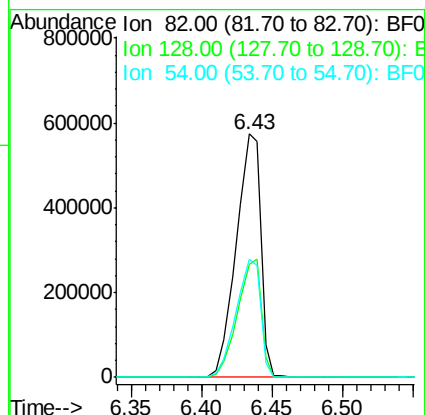
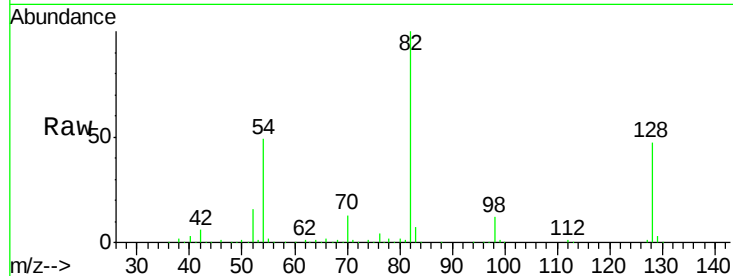




#23
 Nitrobenzene-d5
 Concen: 70.90 ng
 RT: 6.43 min Scan# 773
 Delta R.T. -0.05 min
 Lab File: BF094426.D
 Acq: 14 Apr 2017 12:07

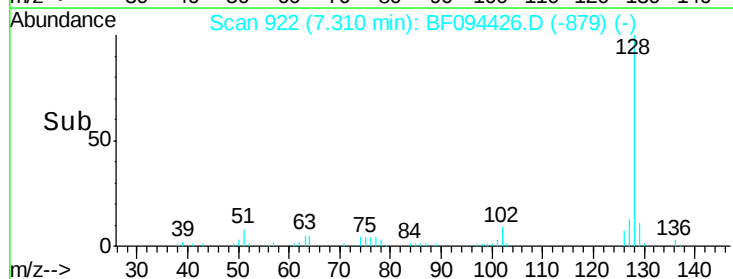
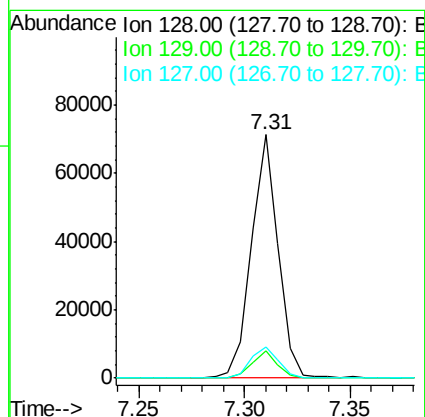
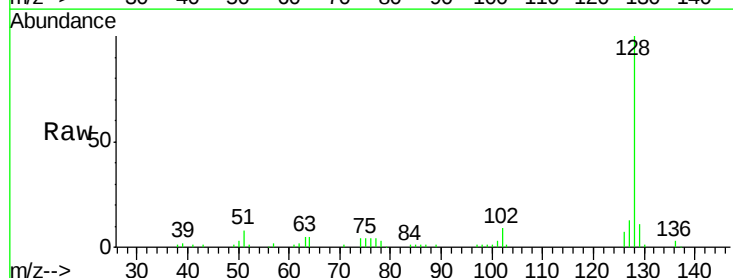
Instrument :
 BNA_F
 ClientSampleId :
 E2-Z8-NSW

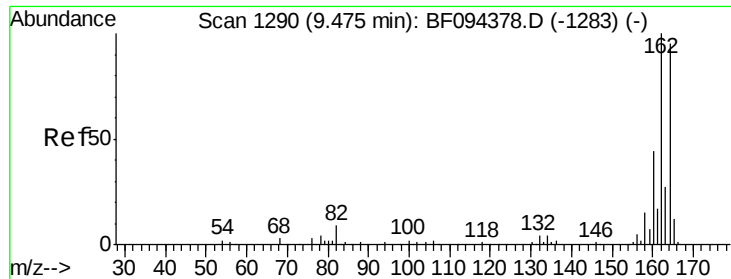
Tgt Ion: 82 Resp: 696067
 Ion Ratio Lower Upper
 82 100
 128 46.6 34.0 51.0
 54 48.7 42.2 63.2



#31
 Naphthalene
 Concen: 2.33 ng
 RT: 7.31 min Scan# 922
 Delta R.T. -0.05 min
 Lab File: BF094426.D
 Acq: 14 Apr 2017 12:07

Tgt Ion: 128 Resp: 62854
 Ion Ratio Lower Upper
 128 100
 129 11.4 9.0 13.6
 127 12.8 10.8 16.2

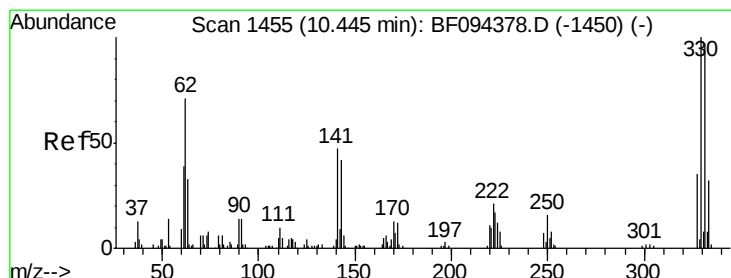
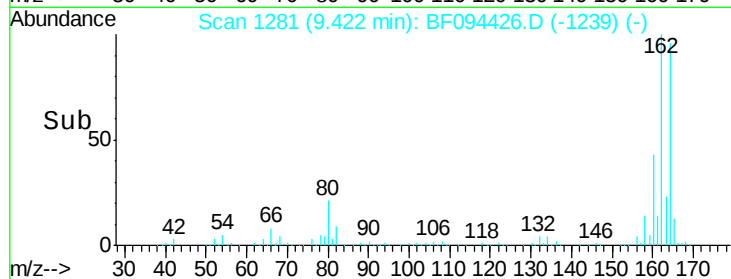
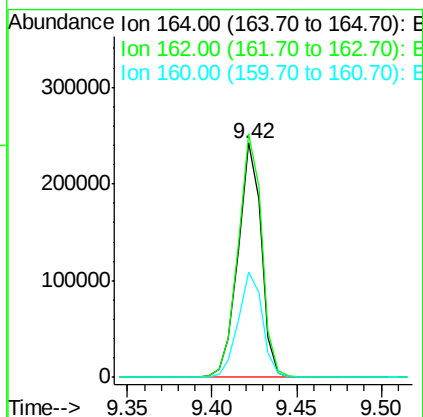
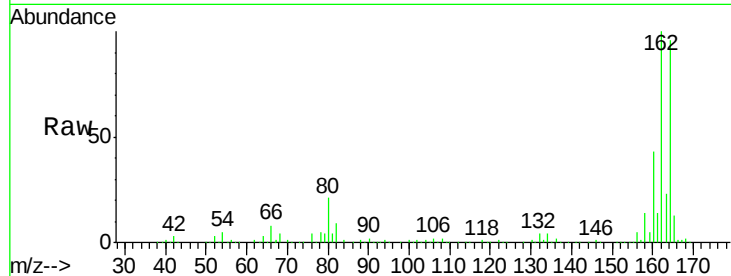




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.42 min Scan# 1281
 Delta R.T. -0.05 min
 Lab File: BF094426.D
 Acq: 14 Apr 2017 12:07

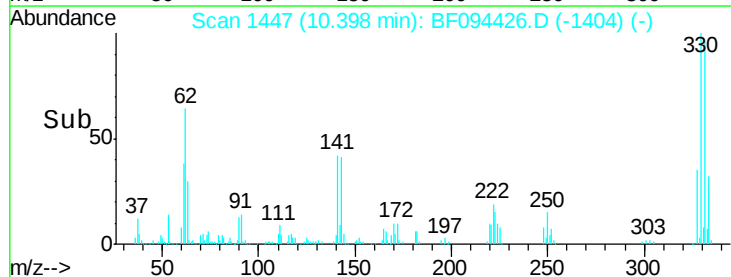
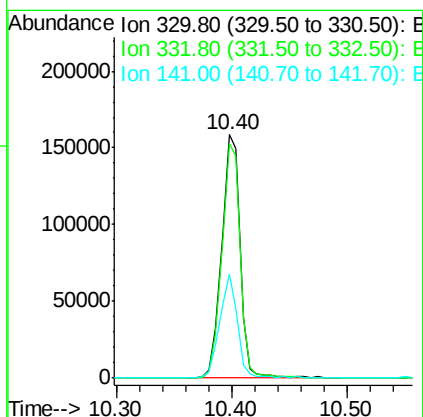
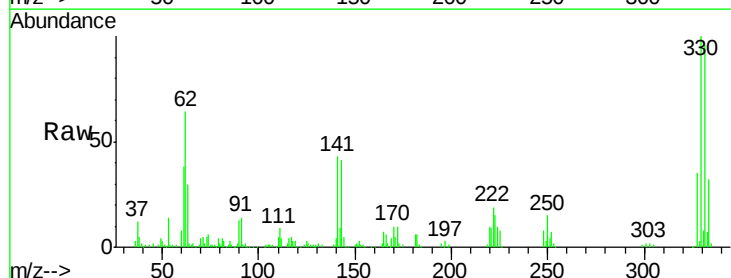
Instrument :
 BNA_F
 ClientSampleId :
 E2-Z8-NSW

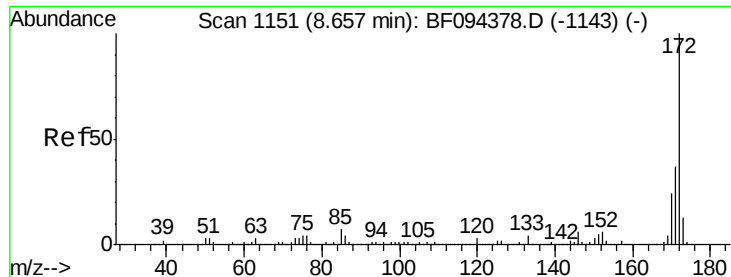
Tgt Ion:164 Resp: 230726
 Ion Ratio Lower Upper
 164 100
 162 103.8 82.6 123.8
 160 44.8 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 96.90 ng
 RT: 10.40 min Scan# 1447
 Delta R.T. -0.05 min
 Lab File: BF094426.D
 Acq: 14 Apr 2017 12:07

Tgt Ion:330 Resp: 176677
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 115.0
 141 40.5 31.4 47.2

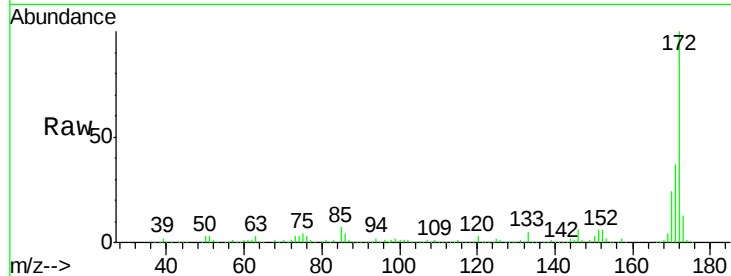




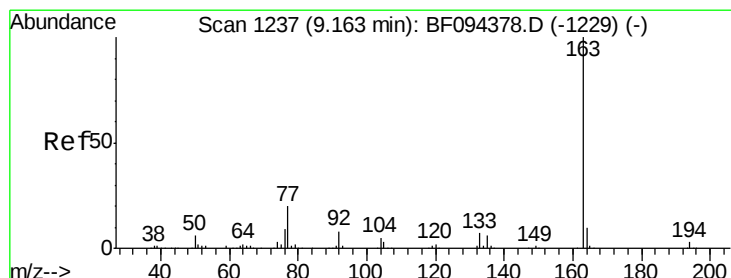
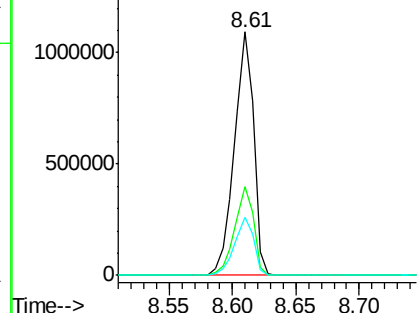
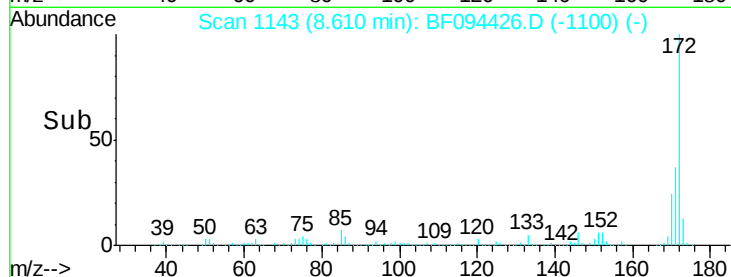
#44
 2-Fluorobiphenyl
 Concen: 75.49 ng
 RT: 8.61 min Scan# 1143
 Delta R.T. -0.05 min
 Lab File: BF094426.D
 Acq: 14 Apr 2017 12:07

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z8-NSW

Tgt Ion:172 Resp: 1141904
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 23.8 19.8 29.8

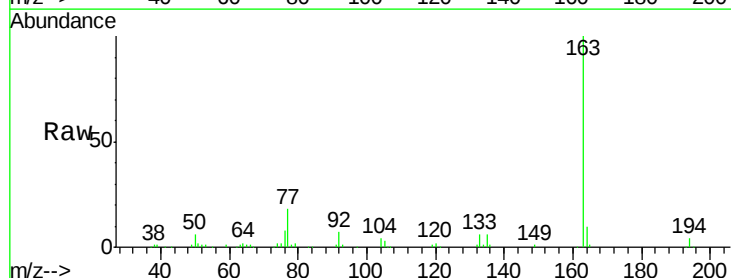


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

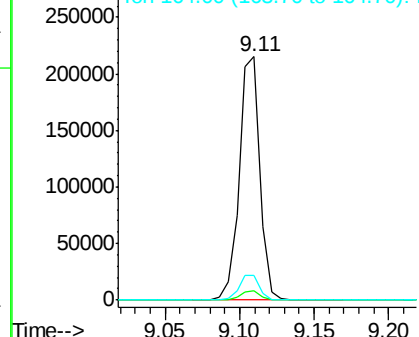
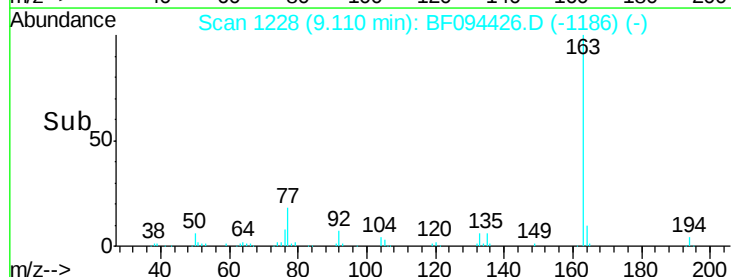


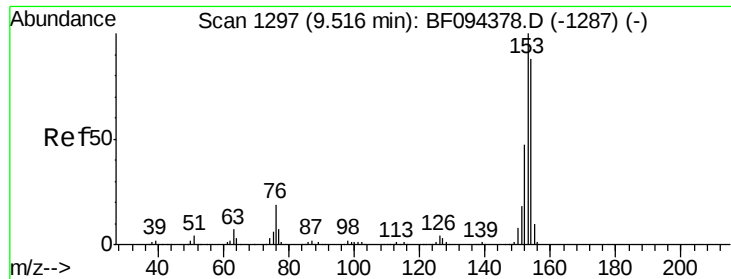
#49
 Dimethylphthalate
 Concen: 12.76 ng
 RT: 9.11 min Scan# 1228
 Delta R.T. -0.05 min
 Lab File: BF094426.D
 Acq: 14 Apr 2017 12:07

Tgt Ion:163 Resp: 209260
 Ion Ratio Lower Upper
 163 100
 194 3.6 2.6 4.0
 164 10.0 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: 3.92 ng

RT: 9.46 min Scan# 1288

Delta R.T. -0.05 min

Lab File: BF094426.D

Acq: 14 Apr 2017 12:07

Instrument :

BNA_F

ClientSampleId :

E2-Z8-NSW

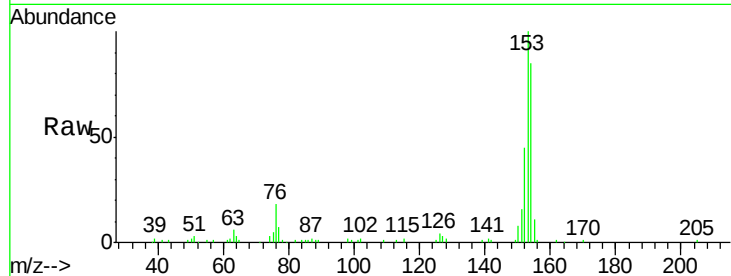
Tgt Ion:154 Resp: 55447

Ion Ratio Lower Upper

154 100

153 117.7 90.5 135.7

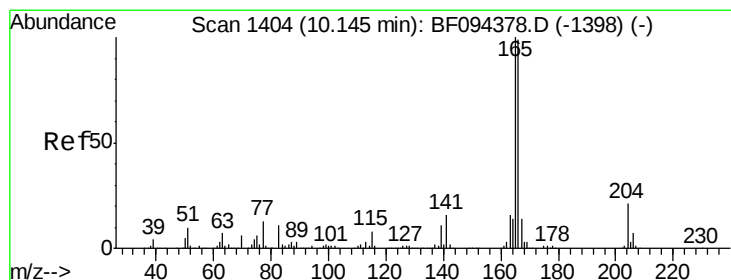
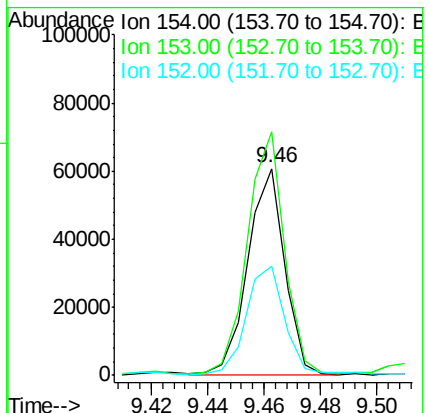
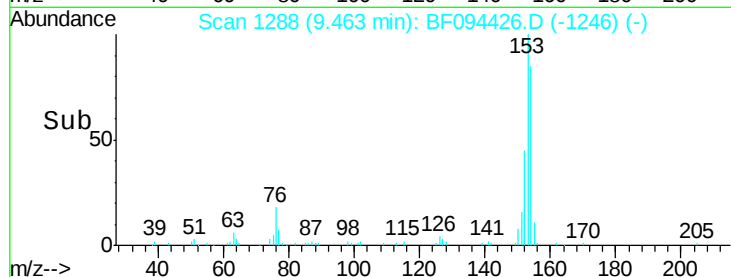
152 52.5 43.6 65.4



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



#57

Fluorene

Concen: 4.67 ng

RT: 10.10 min Scan# 1396

Delta R.T. -0.05 min

Lab File: BF094426.D

Acq: 14 Apr 2017 12:07

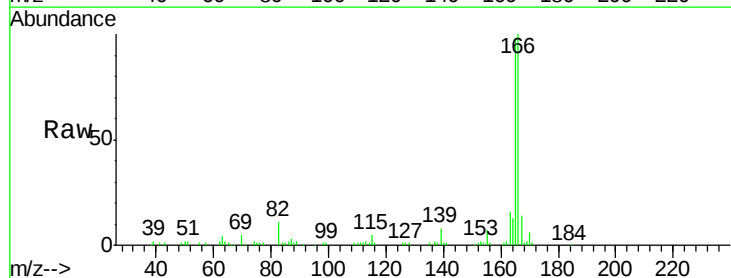
Tgt Ion:166 Resp: 74448

Ion Ratio Lower Upper

166 100

165 97.6 78.8 118.2

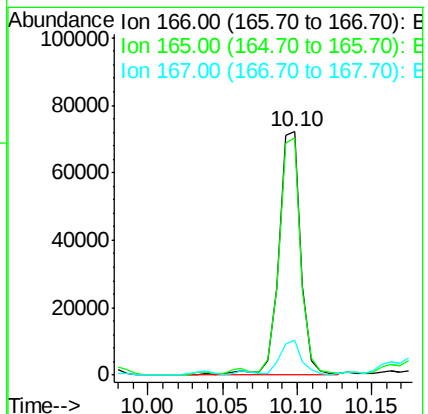
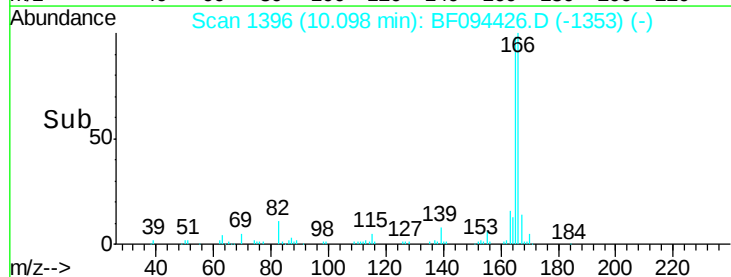
167 14.4 10.6 16.0

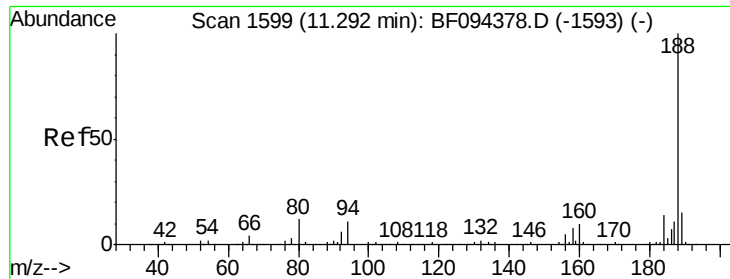


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

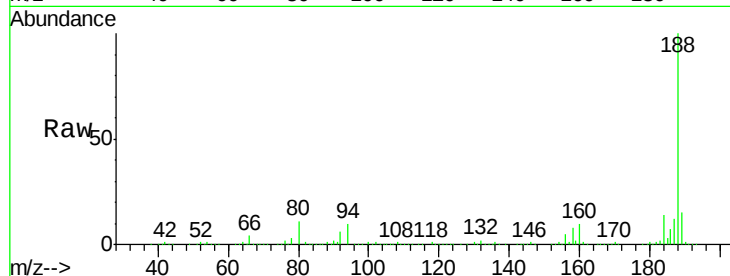




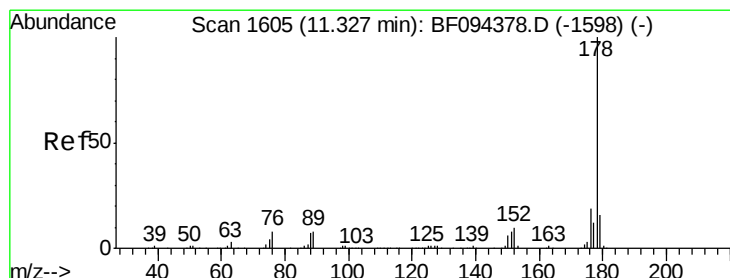
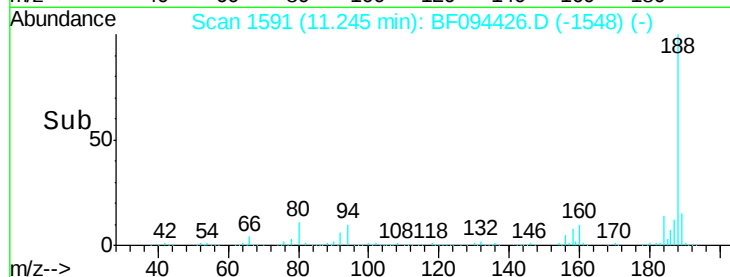
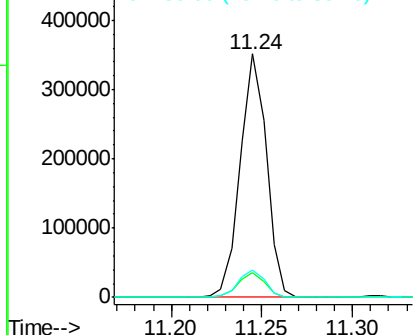
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 1591
Delta R.T. -0.05 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Instrument :
BNA_F
ClientSampleId :
E2-Z8-NSW

Tgt Ion:188 Resp: 355542
Ion Ratio Lower Upper
188 100
94 10.2 9.4 14.2
80 11.3 10.2 15.2

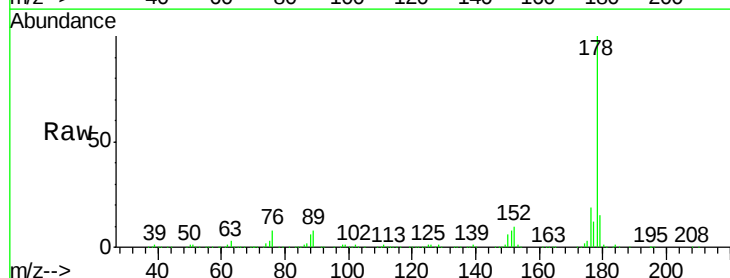


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

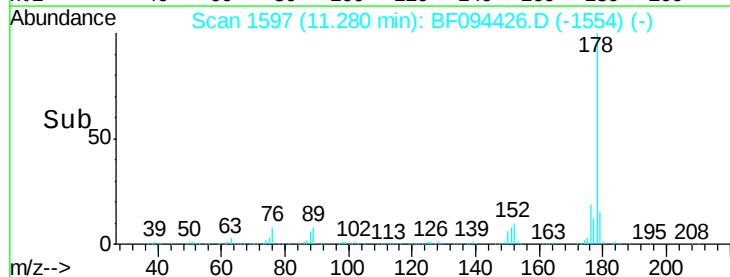
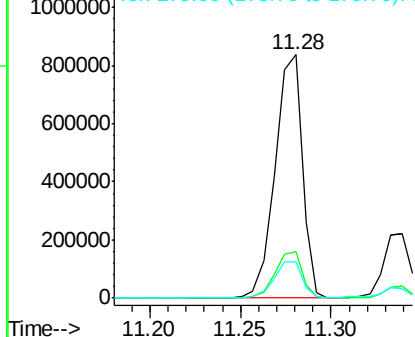


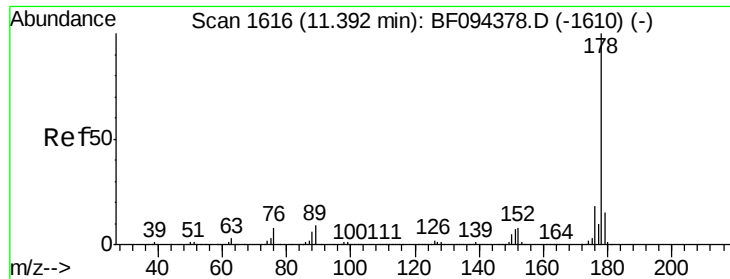
#70
Phenanthrene
Concen: 44.36 ng
RT: 11.28 min Scan# 1597
Delta R.T. -0.05 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Tgt Ion:178 Resp: 877355
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.4
179 14.9 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

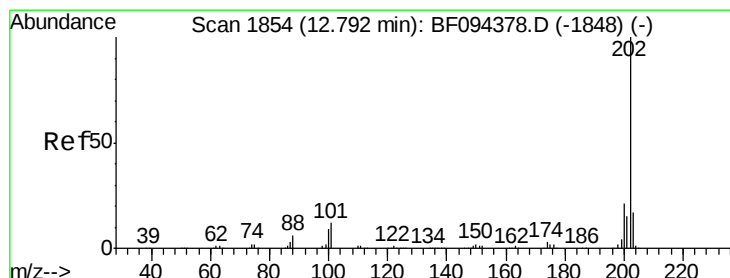
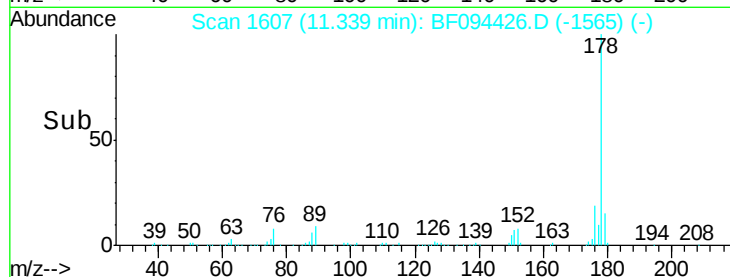
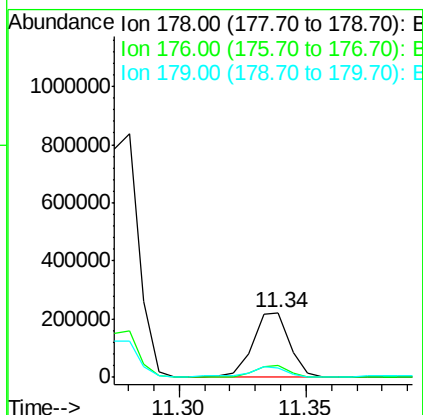
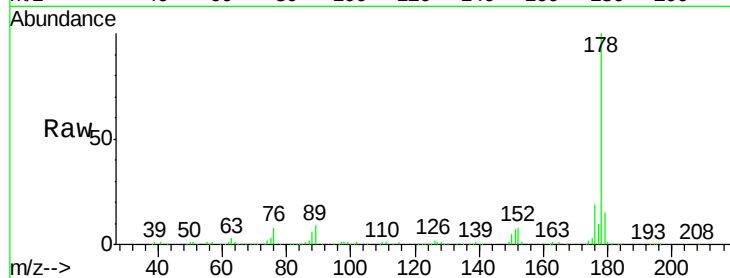




#71
 Anthracene
 Concen: 11.00 ng
 RT: 11.34 min Scan# 1607
 Delta R.T. -0.05 min
 Lab File: BF094426.D
 Acq: 14 Apr 2017 12:07

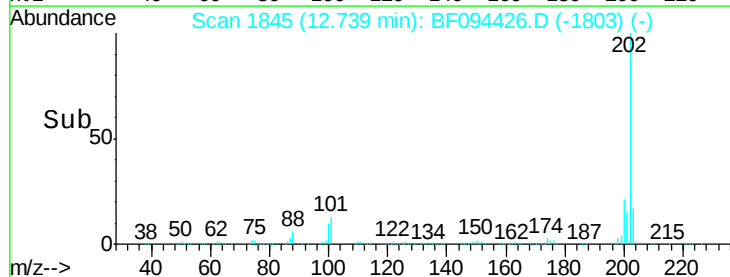
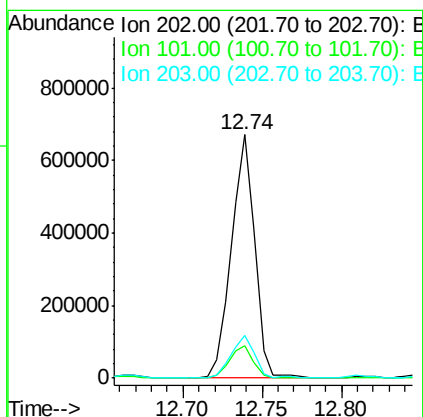
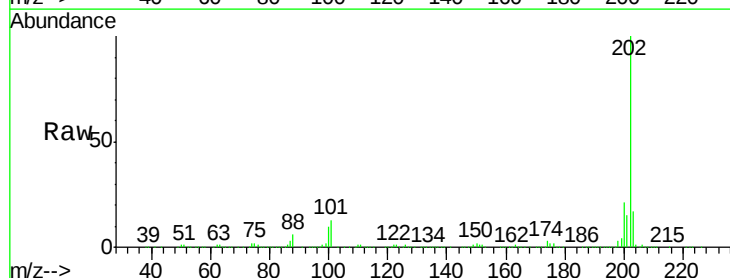
Instrument :
 BNA_F
 ClientSampleId :
 E2-Z8-NSW

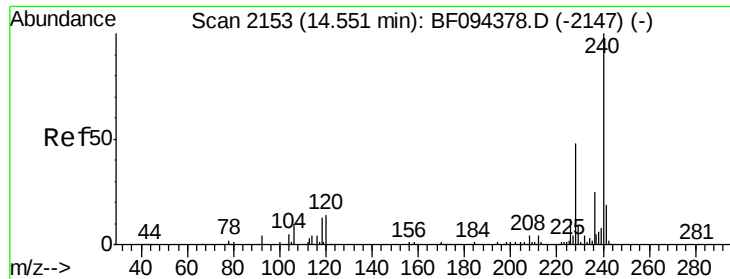
Tgt Ion:178 Resp: 223945
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.8
 179 15.4 12.7 19.1



#74
 Fluoranthene
 Concen: 33.87 ng
 RT: 12.74 min Scan# 1845
 Delta R.T. -0.05 min
 Lab File: BF094426.D
 Acq: 14 Apr 2017 12:07

Tgt Ion:202 Resp: 686014
 Ion Ratio Lower Upper
 202 100
 101 13.3 0.0 33.2
 203 17.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.50 min Scan# 2144

Delta R.T. -0.05 min

Lab File: BF094426.D

Acq: 14 Apr 2017 12:07

Instrument :

BNA_F

ClientSampleId :

E2-Z8-NSW

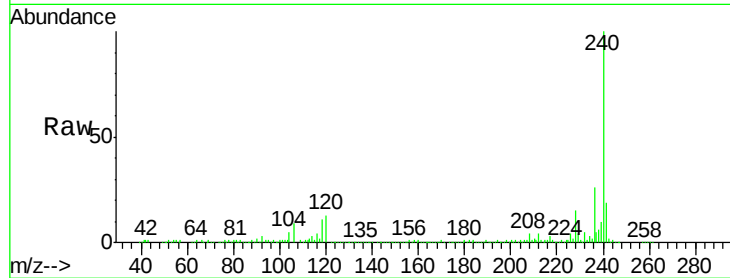
Tgt Ion:240 Resp: 264669

Ion Ratio Lower Upper

240 100

120 13.1 5.8 8.8#

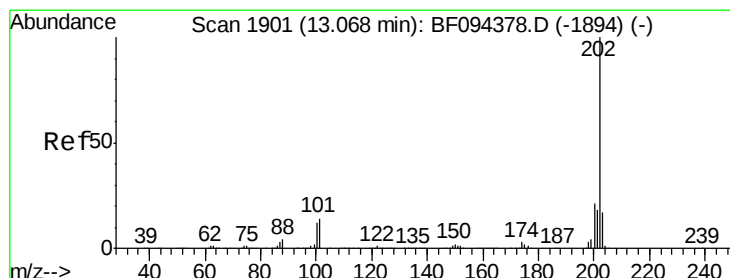
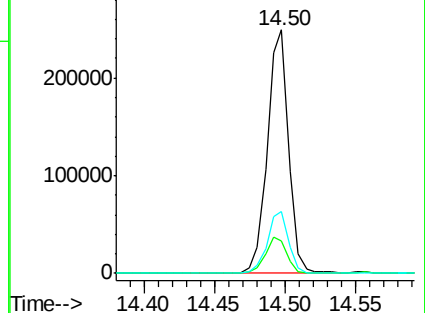
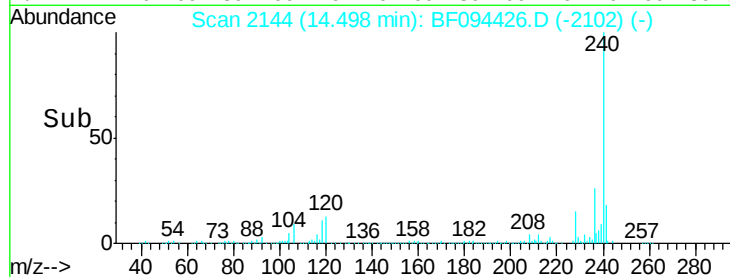
236 25.5 20.5 30.7



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: 41.07 ng

RT: 13.02 min Scan# 1892

Delta R.T. -0.05 min

Lab File: BF094426.D

Acq: 14 Apr 2017 12:07

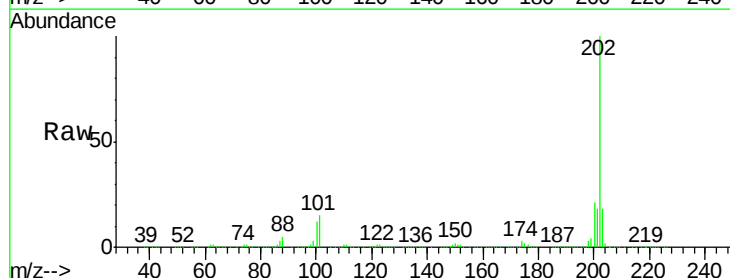
Tgt Ion:202 Resp: 788957

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

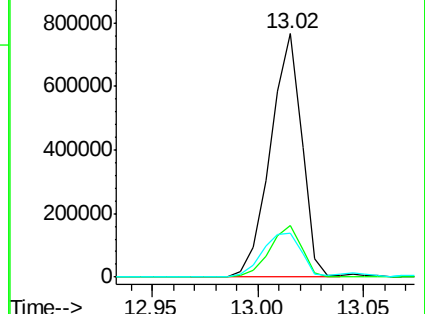
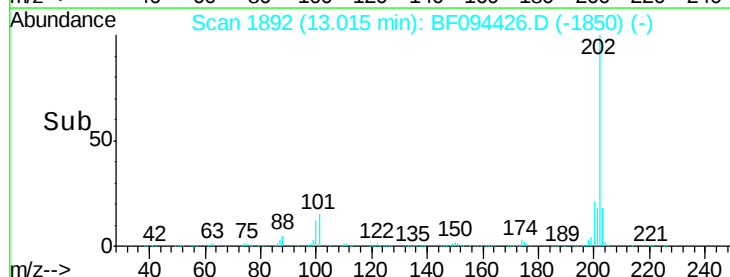
203 17.8 14.4 21.6

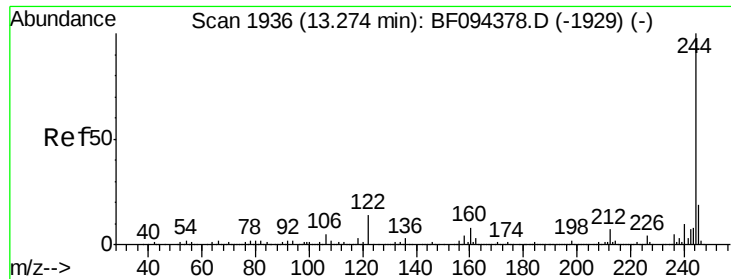


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

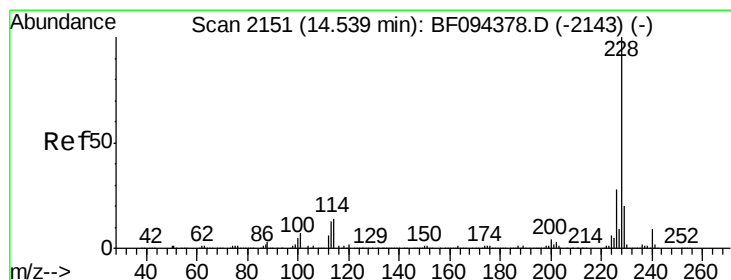
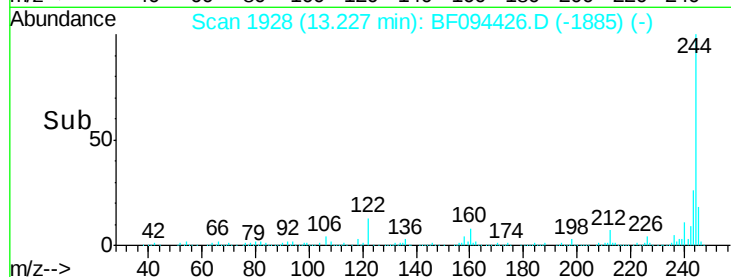
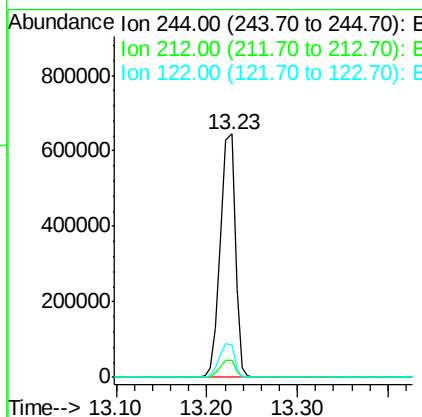
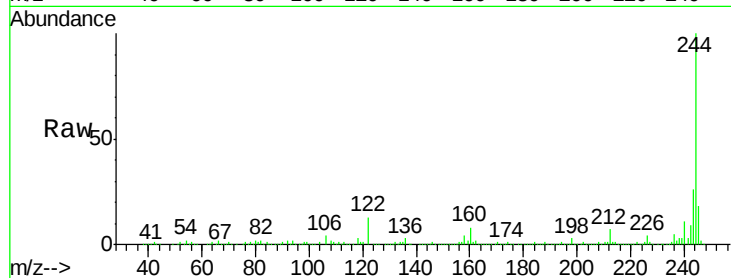




#78
 Terphenyl-d14
 Concen: 62.01 ng
 RT: 13.23 min Scan# 1928
 Delta R.T. -0.05 min
 Lab File: BF094426.D
 Acq: 14 Apr 2017 12:07

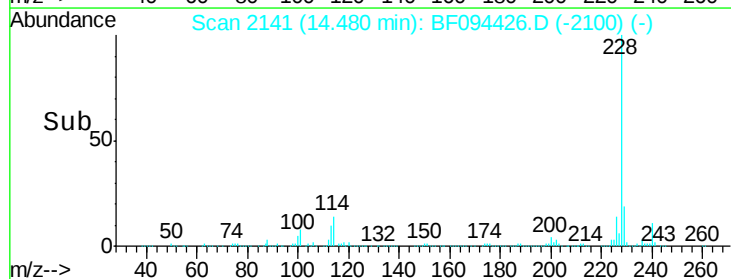
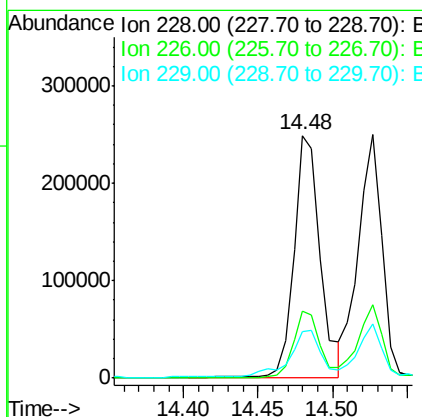
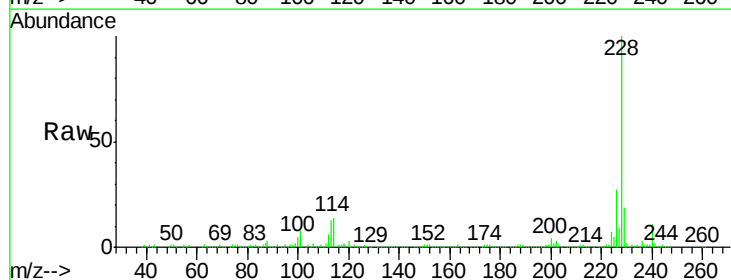
Instrument :
 BNA_F
 ClientSampleId :
 E2-Z8-NSW

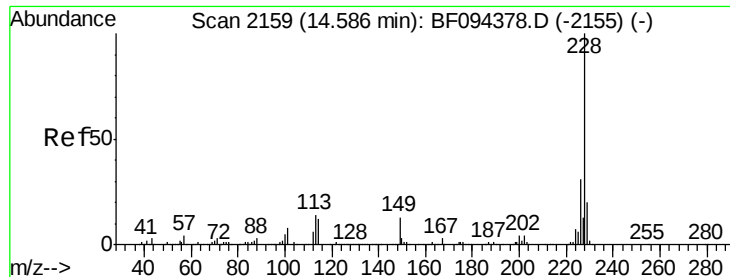
Tgt Ion: 244 Resp: 732165
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 13.2 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 19.73 ng
 RT: 14.48 min Scan# 2141
 Delta R.T. -0.06 min
 Lab File: BF094426.D
 Acq: 14 Apr 2017 12:07

Tgt Ion: 228 Resp: 304548
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.6 33.8
 229 19.1 16.3 24.5





#82

Chrysene

Concen: 19.34 ng

RT: 14.53 min Scan# 2149

Delta R.T. -0.06 min

Lab File: BF094426.D

Acq: 14 Apr 2017 12:07

Instrument :

BNA_F

ClientSampleId :

E2-Z8-NSW

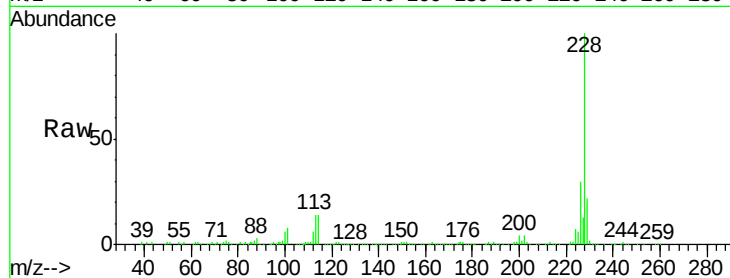
Tgt Ion:228 Resp: 277004

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

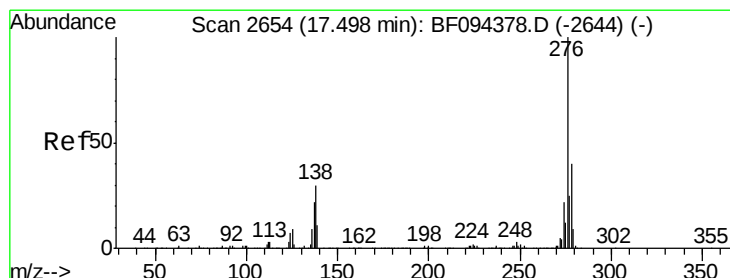
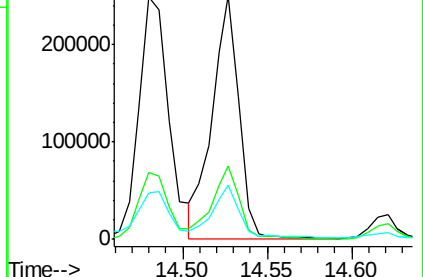
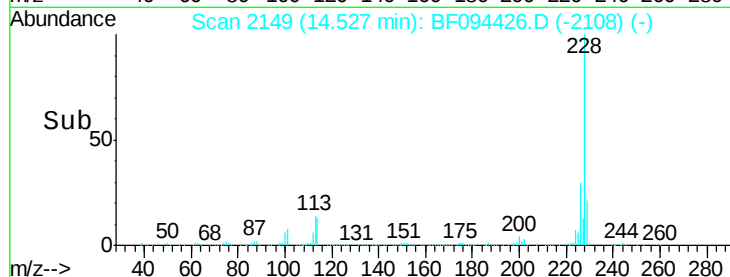
229 22.0 15.8 23.6



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: 6.20 ng

RT: 17.40 min Scan# 2638

Delta R.T. -0.09 min

Lab File: BF094426.D

Acq: 14 Apr 2017 12:07

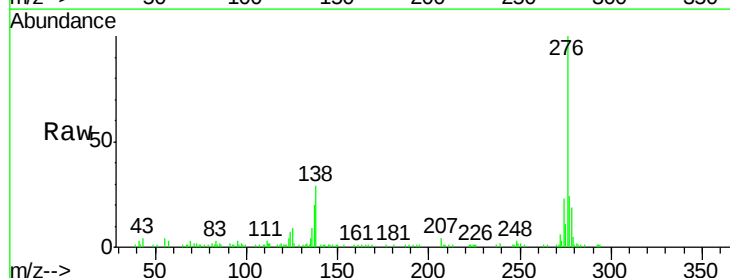
Tgt Ion:276 Resp: 76935

Ion Ratio Lower Upper

276 100

138 30.0 27.8 41.6

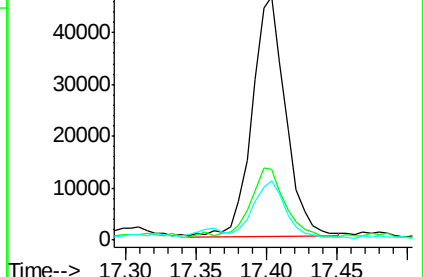
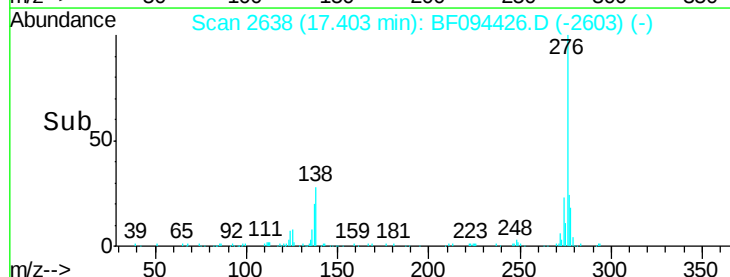
277 26.0 20.2 30.4

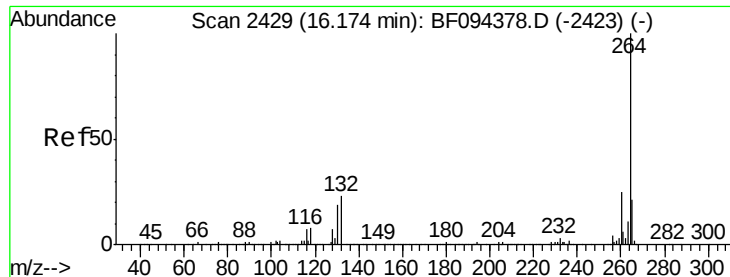


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



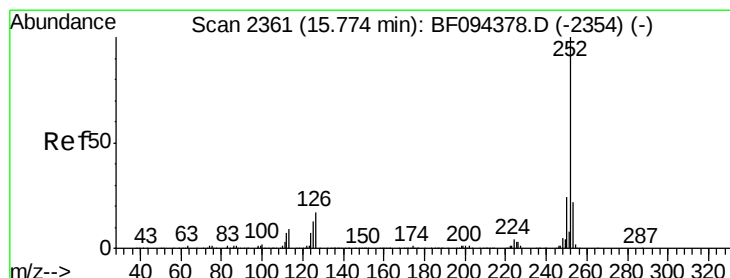
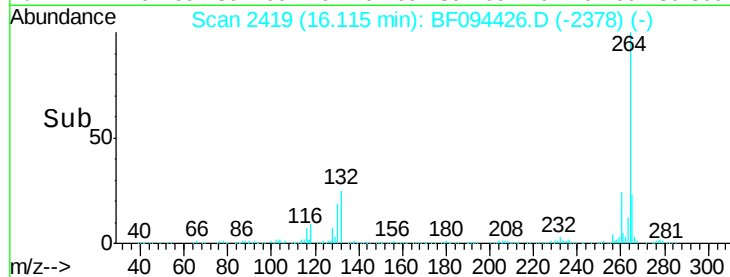
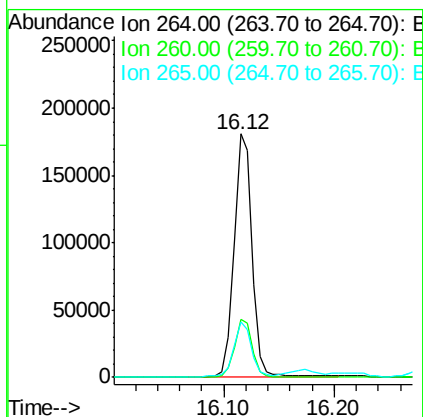
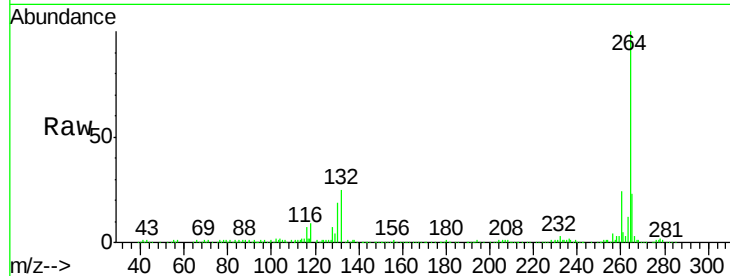


#86
Perylene-d12
Concen: 20.00 ng
RT: 16.12 min Scan# 2419
Delta R.T. -0.06 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Instrument :
BNA_F
ClientSampleId :
E2-Z8-NSW

Tgt Ion: 264 Resp: 208781

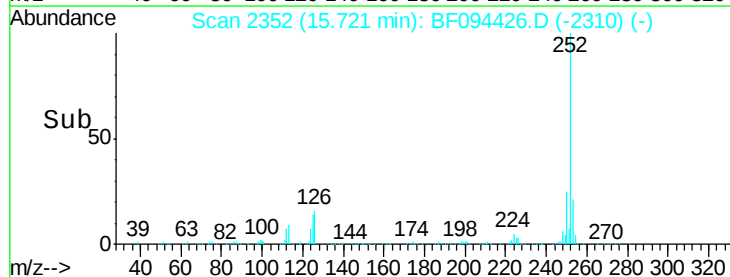
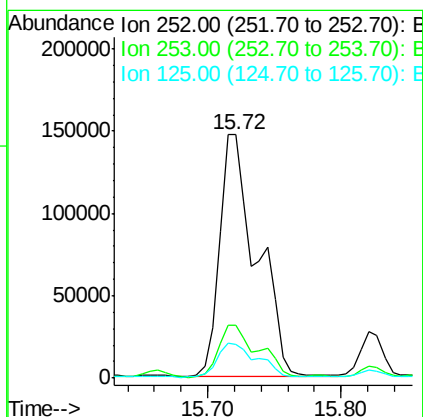
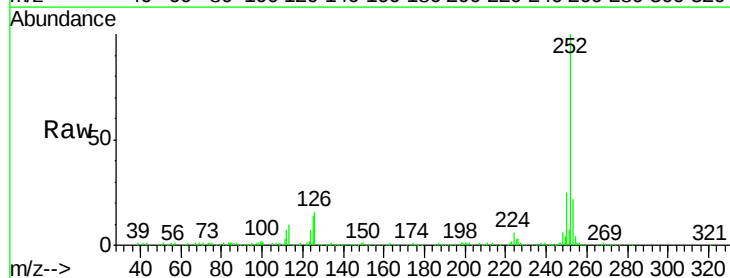
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.9	17.2	25.8

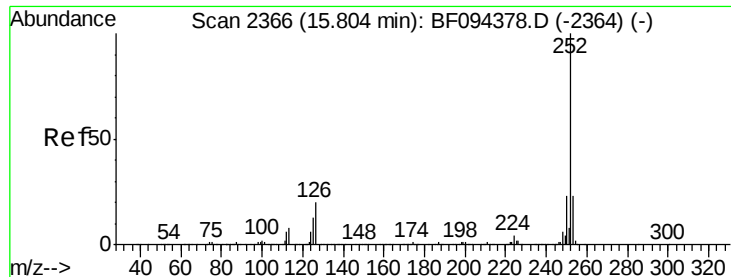


#87
Benzo(b)fluoranthene
Concen: 22.37 ng
RT: 15.72 min Scan# 2352
Delta R.T. -0.05 min
Lab File: BF094426.D
Acq: 14 Apr 2017 12:07

Tgt Ion: 252 Resp: 286303

Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1
125	14.1	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 22.86 ng

RT: 15.72 min Scan# 2352

Delta R.T. -0.08 min

Lab File: BF094426.D

Acq: 14 Apr 2017 12:07

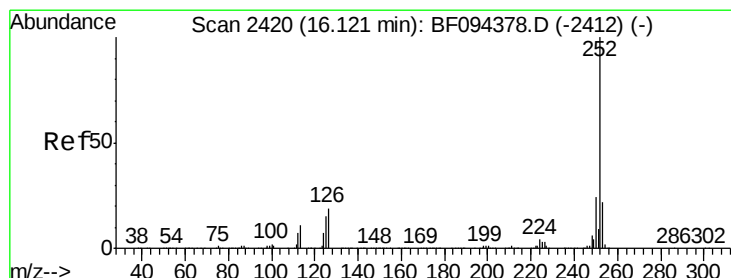
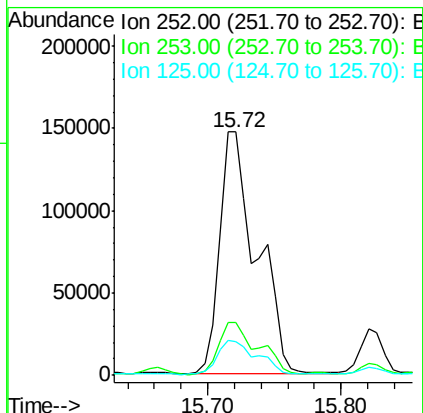
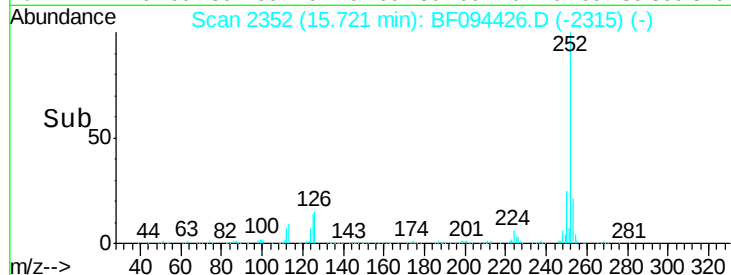
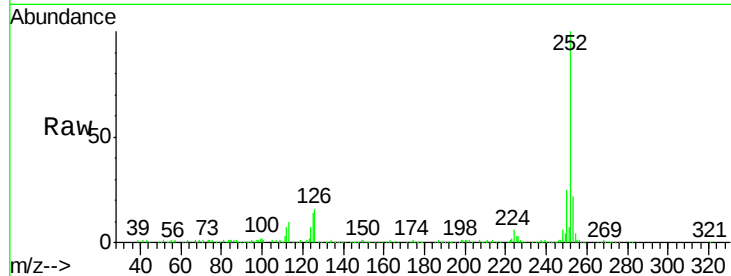
Instrument :

BNA_F

ClientSampleId :

E2-Z8-NSW

Tgt Ion:	252	Resp:	286303
Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.4	27.6
125	14.1	13.1	19.7



#89

Benzo(a)pyrene

Concen: 14.96 ng

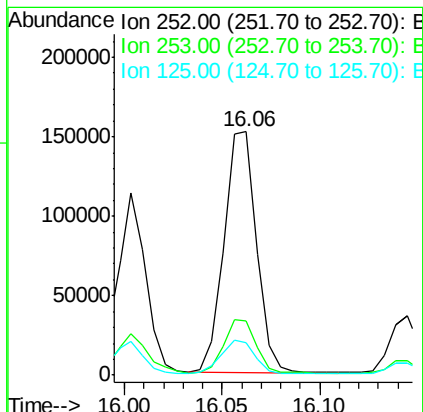
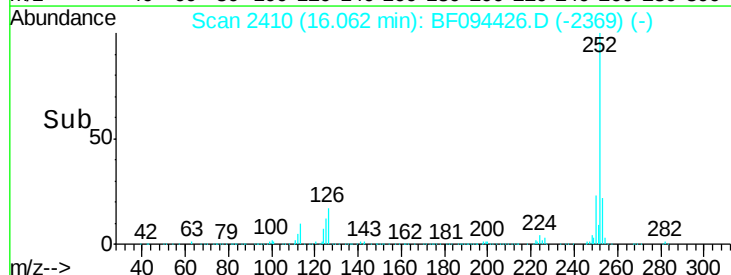
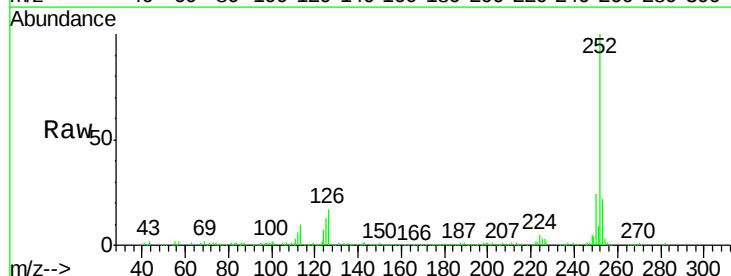
RT: 16.06 min Scan# 2410

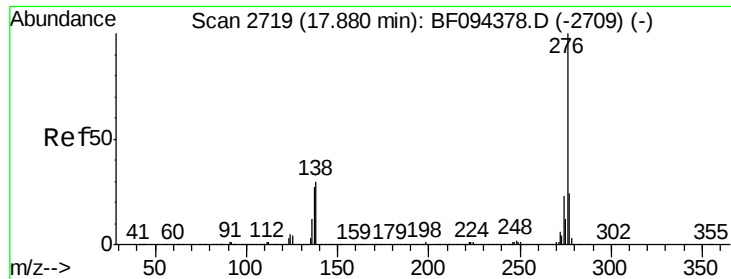
Delta R.T. -0.06 min

Lab File: BF094426.D

Acq: 14 Apr 2017 12:07

Tgt Ion:	252	Resp:	176255
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	13.2	11.0	16.4





#91
 Benzo(g,h,i)perylene
 Concen: 7.94 ng
 RT: 17.78 min Scan# 2702
 Delta R.T. -0.10 min
 Lab File: BF094426.D
 Acq: 14 Apr 2017 12:07

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z8-NSW

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	28.0
138	30.6	25.4	38.0

