

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072415\
 Data File : BF080664.D
 Acq On : 25 Jul 2015 11:47
 Operator : TP/UM
 Sample : G3054-01RE 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONC1

Quant Time: Jul 27 01:18:01 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 25 04:28:42 2015
 Response via : Initial Calibration

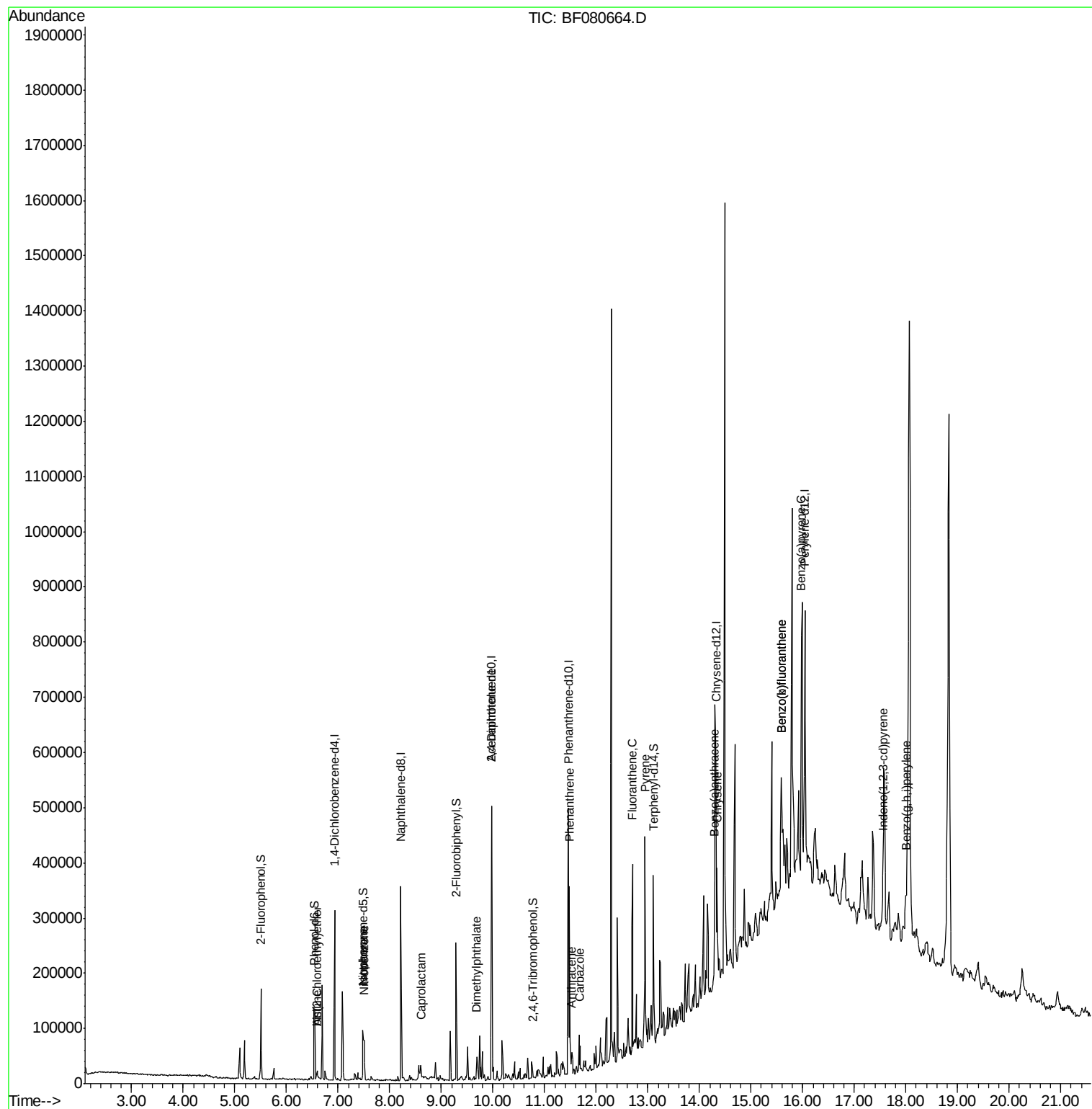
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	48303	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	166089	20.00	ng	0.00
38) Acenaphthene-d10	9.97	164	88514	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	156739	20.00	ng	0.00
75) Chrysene-d12	14.32	240	203620	20.00	ng	0.16
86) Perylene-d12	16.04	264	228529	20.00	ng	0.31
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	38115	13.29	ng	0.00
7) Phenol-d6	6.54	99	56269	16.42	ng	0.00
23) Nitrobenzene-d5	7.48	82	34521	10.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.76	330	2998	3.77	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	70292	12.25	ng	-0.01
78) Terphenyl-d14	13.11	244	81133	8.58	ng	0.05
Target Compounds						Qvalue
6) Aniline	6.59	93	12518	2.58	ng	94
11) bis(2-Chloroethyl)ether	6.59	93	12518	4.10	ng	# 20
24) Nitrobenzene	7.50	77	17748	5.38	ng	97
25) Isophorone	7.48	82	34519	5.95	ng	# 73
35) Caprolactam	8.60	113	1347	2.05	ng	# 86
49) Dimethylphthalate	9.69	163	16149	2.55	ng	97
56) 2,4-Dinitrotoluene	9.97	165	13471	9.02	ng	# 3
70) Phenanthrene	11.48	178	114878	13.28	ng	98
71) Anthracene	11.53	178	20933	2.51	ng	94
72) Carbazole	11.69	167	15208	2.01	ng	100
74) Fluoranthene	12.71	202	173165	20.71	ng	93
77) Pyrene	12.95	202	152133	11.93	ng	99
80) Benzo(a)anthracene	14.29	228	82089	6.87	ng	95
82) Chrysene	14.34	228	91165	8.15	ng	97
85) Indeno(1,2,3-cd)pyrene	17.55	276	61353	5.42	ng	96
87) Benzo(b)fluoranthene	15.59	252	174518	12.60	ng	# 96
88) Benzo(k)fluoranthene	15.59	252	174518	14.07	ng	# 95
89) Benzo(a)pyrene	15.97	252	84638	6.79	ng	# 93
91) Benzo(g,h,i)perylene	18.00	276	68205	5.12	ng	# 91

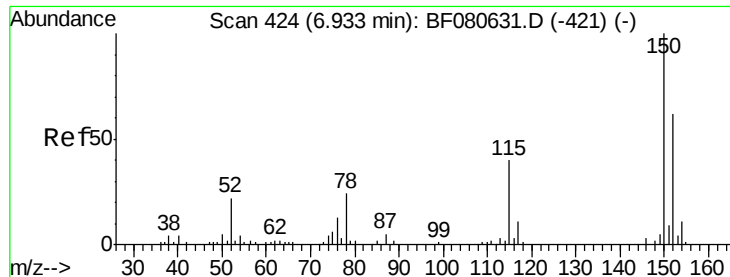
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 25 04:28:42 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.00 min

Lab File: BF080664.D

Acq: 25 Jul 2015 11:47

Instrument :

BNA_F

ClientSampleId :

CONC1

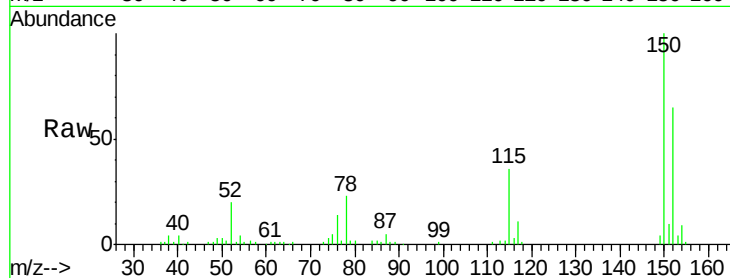
Tgt Ion:152 Resp: 48303

Ion Ratio Lower Upper

152 100

150 154.7 128.9 193.3

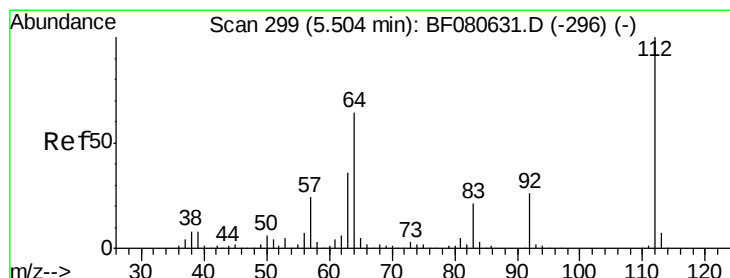
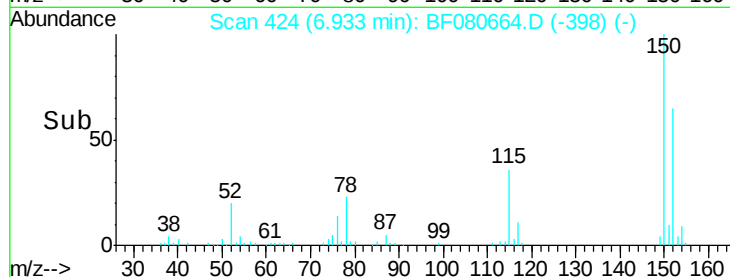
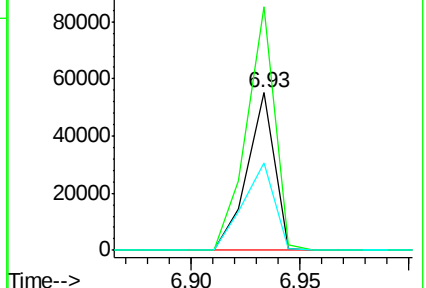
115 55.6 51.0 76.6



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: 13.29 ng

RT: 5.50 min Scan# 299

Delta R.T. -0.00 min

Lab File: BF080664.D

Acq: 25 Jul 2015 11:47

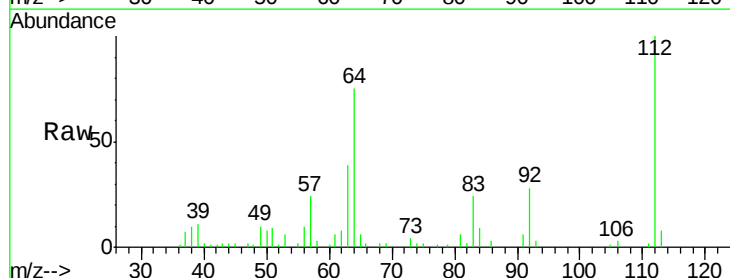
Tgt Ion:112 Resp: 38115

Ion Ratio Lower Upper

112 100

64 74.8 51.2 76.8

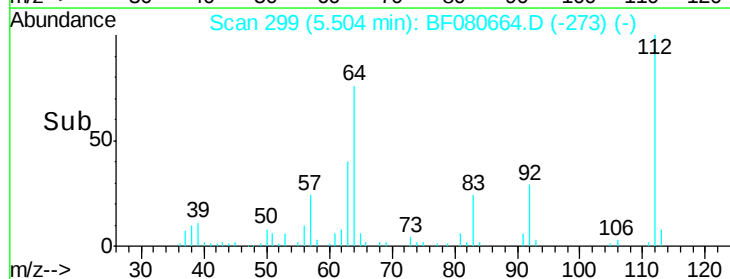
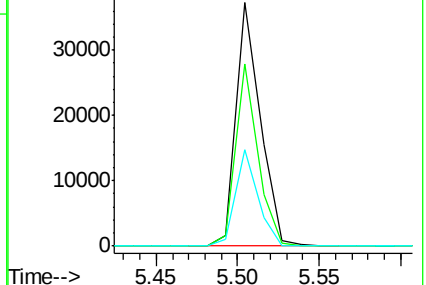
63 39.4 29.0 43.6

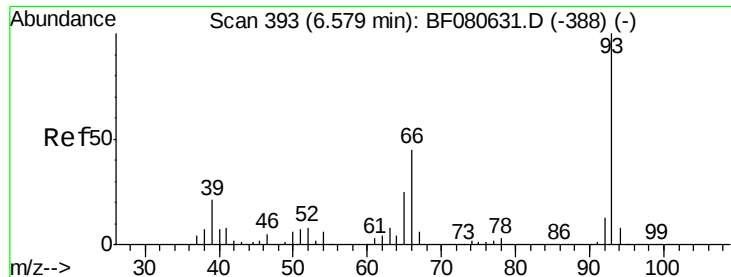


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 2.58 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.01 min

Lab File: BF080664.D

Acq: 25 Jul 2015 11:47

Instrument :

BNA_F

ClientSampleId :

CONC1

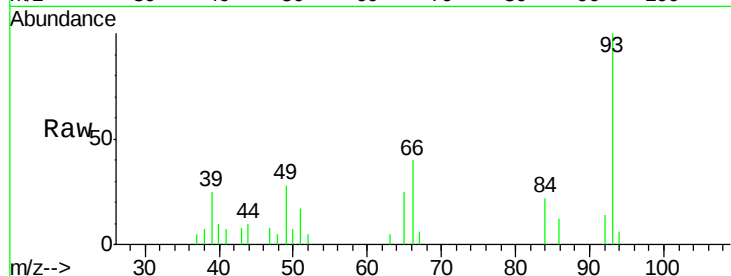
Tgt Ion: 93 Resp: 12518

Ion Ratio Lower Upper

93 100

66 39.5 36.3 54.5

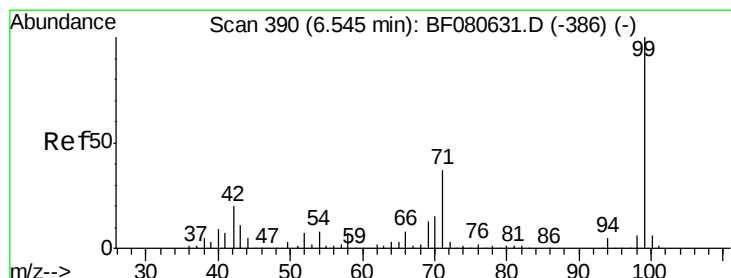
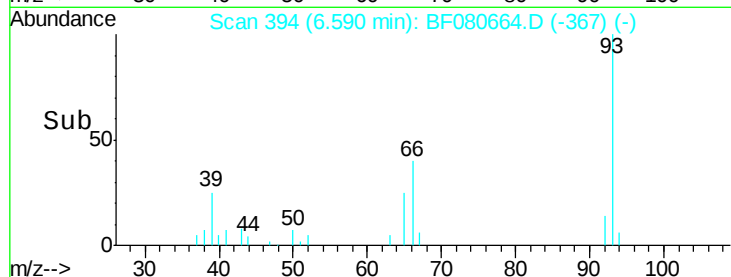
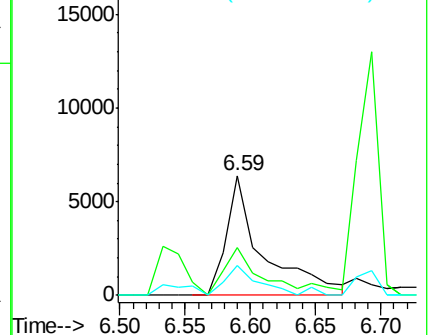
65 24.8 19.9 29.9



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 16.42 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.00 min

Lab File: BF080664.D

Acq: 25 Jul 2015 11:47

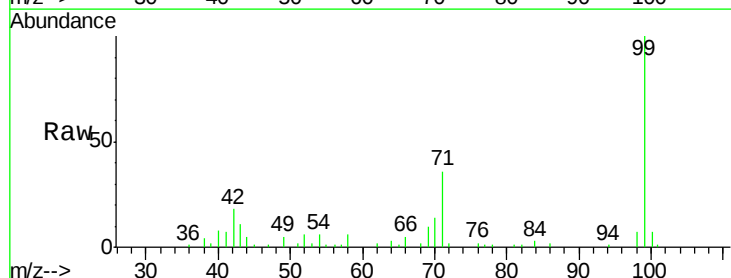
Tgt Ion: 99 Resp: 56269

Ion Ratio Lower Upper

99 100

42 18.1 16.3 24.5

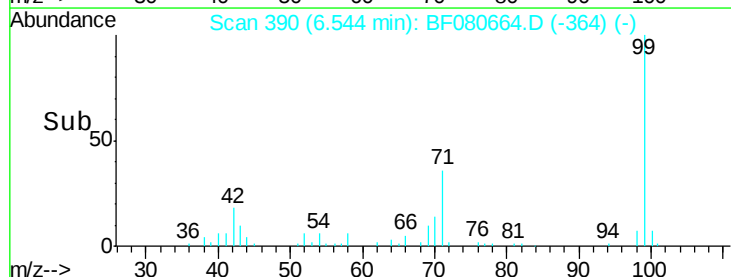
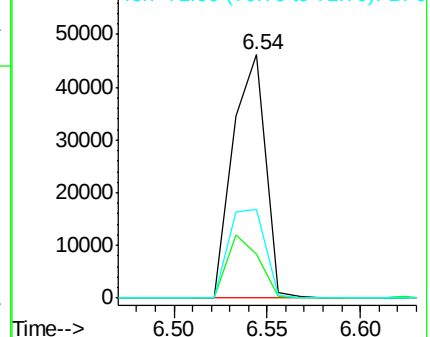
71 36.3 29.7 44.5

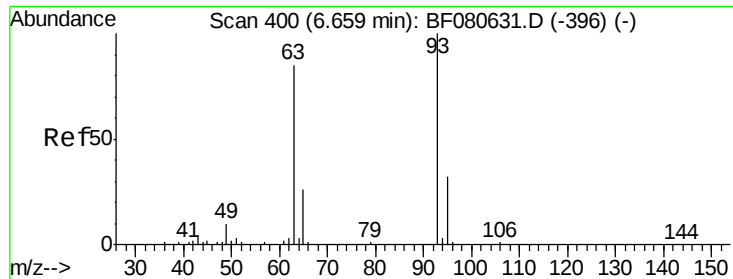


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

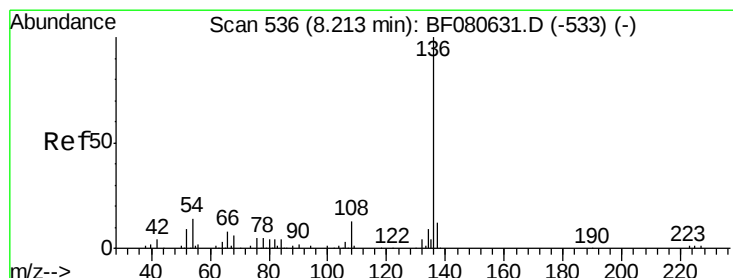
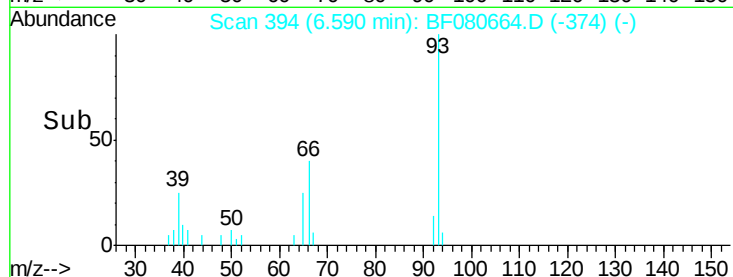
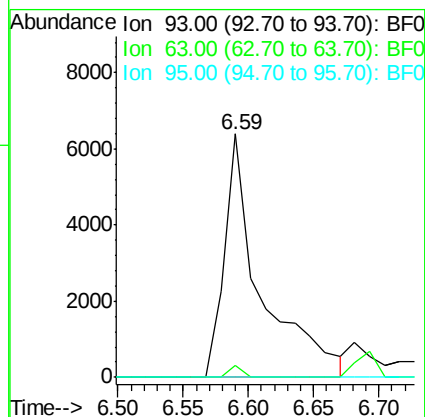
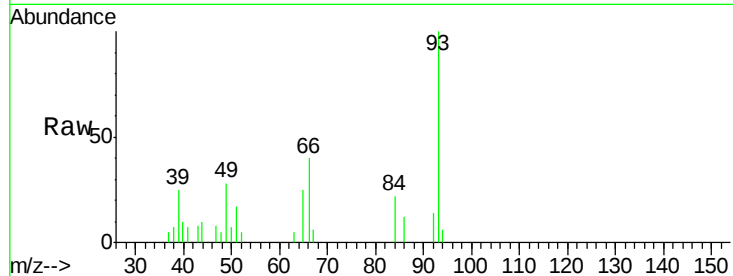




#11
bis(2-Chloroethyl)ether
Concen: 4.10 ng
RT: 6.59 min Scan# 394
Delta R.T. -0.07 min
Lab File: BF080664.D
Acq: 25 Jul 2015 11:47

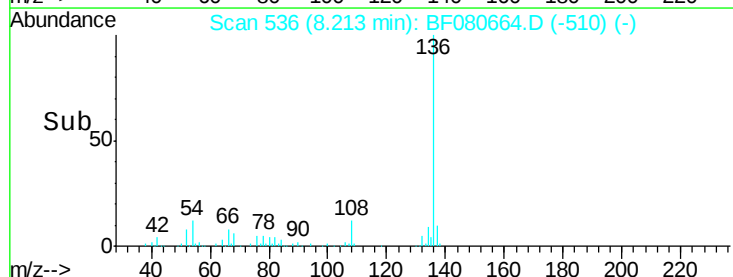
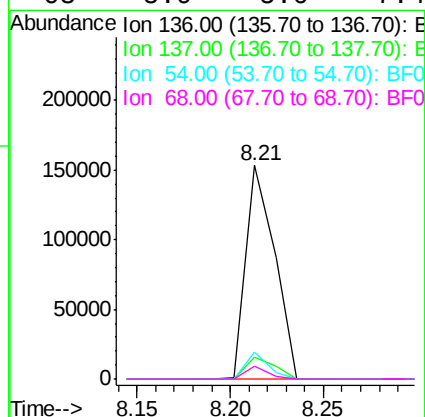
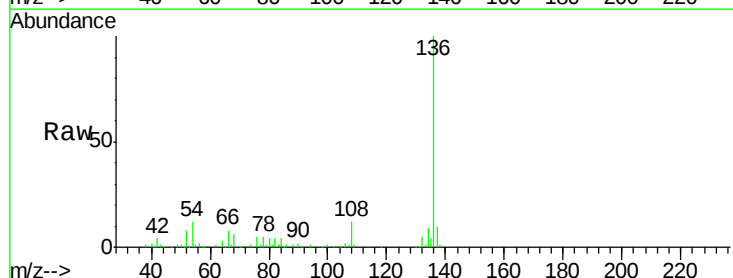
Instrument :
BNA_F
ClientSampleId :
CONC1

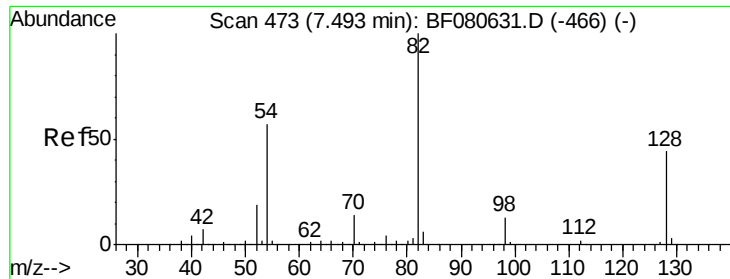
Tgt Ion: 93 Resp: 12518
Ion Ratio Lower Upper
93 100
63 4.7 65.1 105.1#
95 0.0 12.3 52.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.00 min
Lab File: BF080664.D
Acq: 25 Jul 2015 11:47

Tgt Ion: 136 Resp: 166089
Ion Ratio Lower Upper
136 100
137 10.3 9.3 13.9
54 12.3 11.6 17.4
68 5.9 5.0 7.4

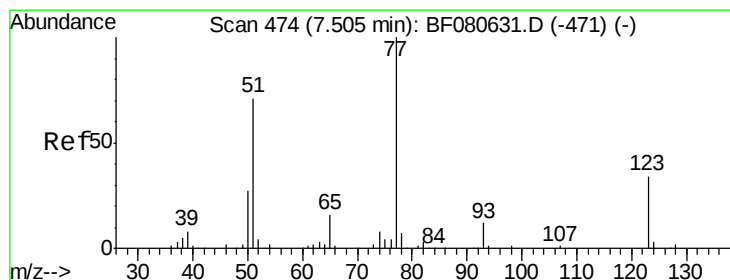
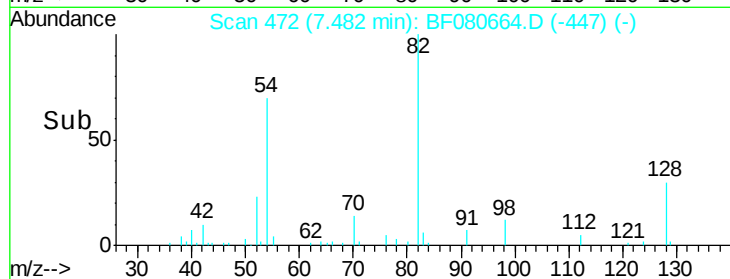
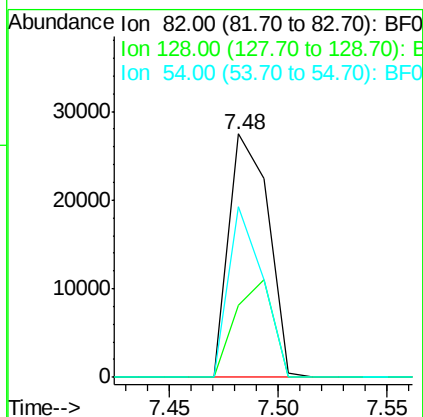
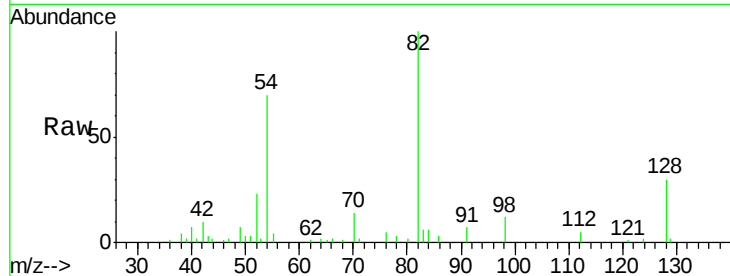




#23
 Nitrobenzene-d5
 Concen: 10.44 ng
 RT: 7.48 min Scan# 472
 Delta R.T. -0.01 min
 Lab File: BF080664.D
 Acq: 25 Jul 2015 11:47

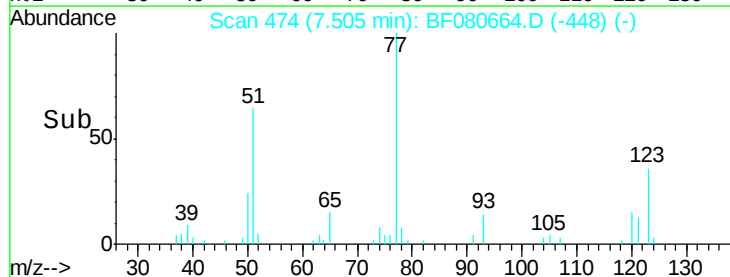
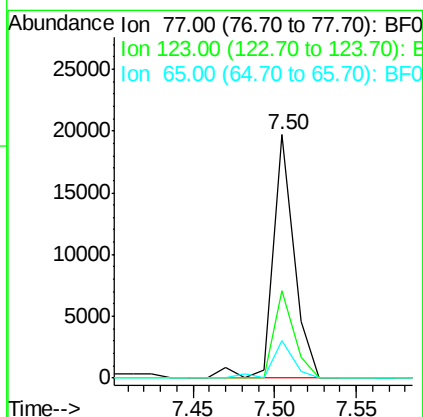
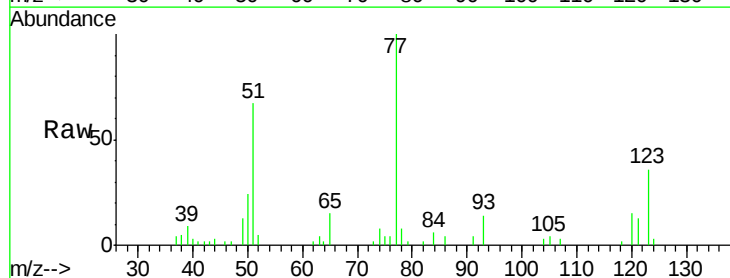
Instrument :
 BNA_F
 ClientSampleId :
 CONC1

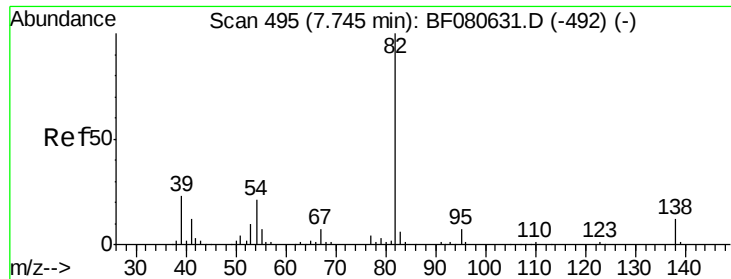
Tgt Ion: 82 Resp: 34521
 Ion Ratio Lower Upper
 82 100
 128 29.9 34.8 52.2#
 54 69.9 45.4 68.0#



#24
 Nitrobenzene
 Concen: 5.38 ng
 RT: 7.50 min Scan# 474
 Delta R.T. -0.00 min
 Lab File: BF080664.D
 Acq: 25 Jul 2015 11:47

Tgt Ion: 77 Resp: 17748
 Ion Ratio Lower Upper
 77 100
 123 35.9 27.1 40.7
 65 15.3 12.6 18.8

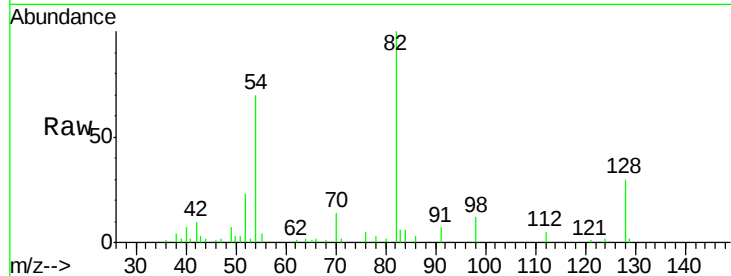




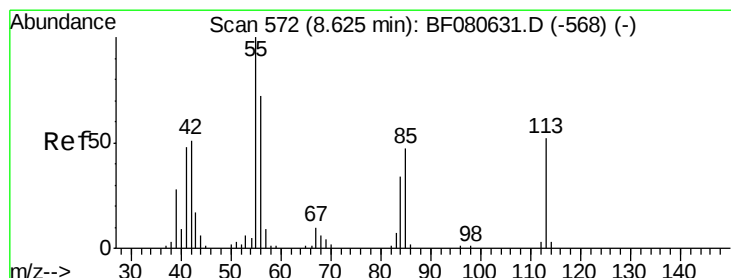
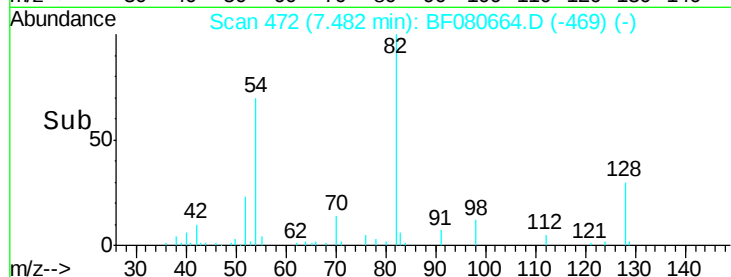
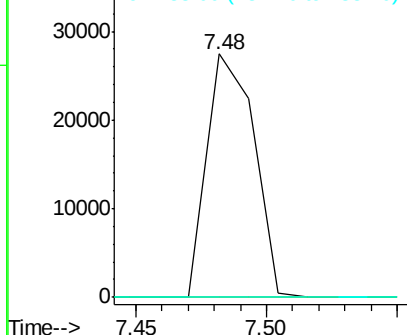
#25
Isophorone
Concen: 5.95 ng
RT: 7.48 min Scan# 472
Delta R.T. -0.26 min
Lab File: BF080664.D
Acq: 25 Jul 2015 11:47

Instrument :
BNA_F
ClientSampleId :
CONC1

Tgt Ion: 82 Resp: 34519
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 9.7 14.5#

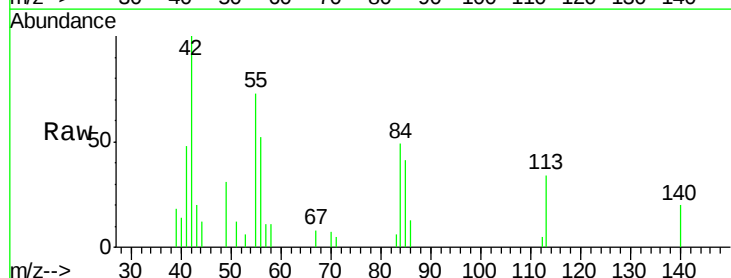


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

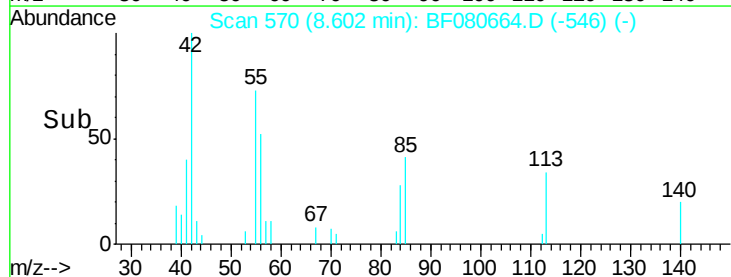
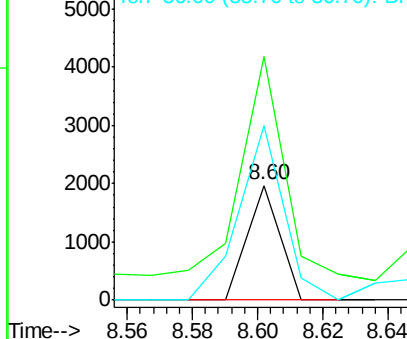


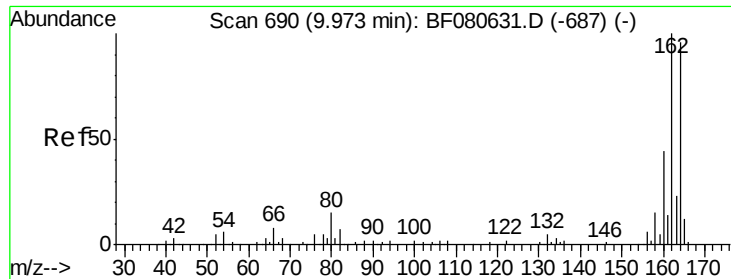
#35
Caprolactam
Concen: 2.05 ng
RT: 8.60 min Scan# 570
Delta R.T. -0.02 min
Lab File: BF080664.D
Acq: 25 Jul 2015 11:47

Tgt Ion: 113 Resp: 1347
Ion Ratio Lower Upper
113 100
55 212.9 170.7 210.7#
56 152.1 118.2 158.2



Abundance Ion 113.00 (112.70 to 113.70): BF0
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.00 min

Lab File: BF080664.D

Acq: 25 Jul 2015 11:47

Instrument :

BNA_F

ClientSampleId :

CONC1

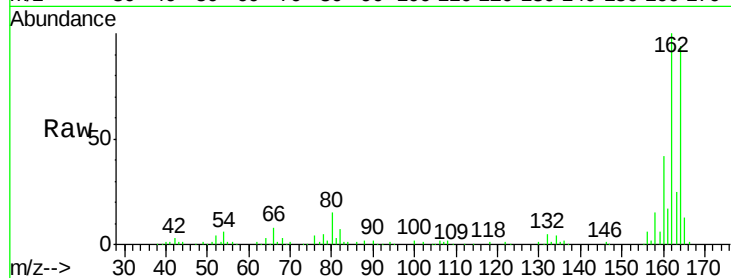
Tgt Ion:164 Resp: 88514

Ion Ratio Lower Upper

164 100

162 105.9 83.3 124.9

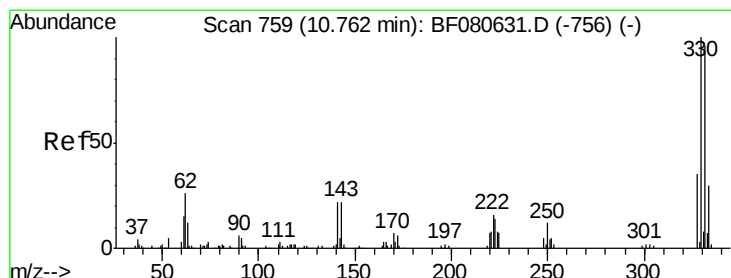
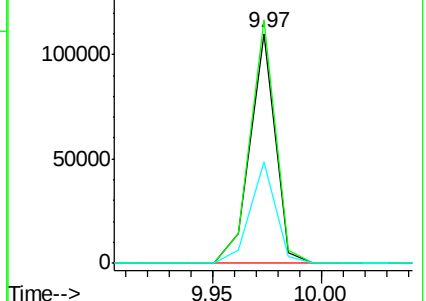
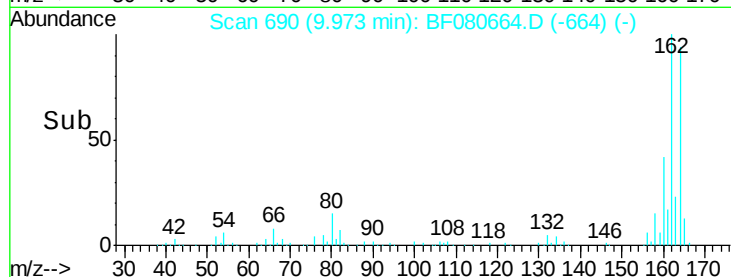
160 44.4 36.9 55.3



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: 3.77 ng

RT: 10.76 min Scan# 759

Delta R.T. -0.00 min

Lab File: BF080664.D

Acq: 25 Jul 2015 11:47

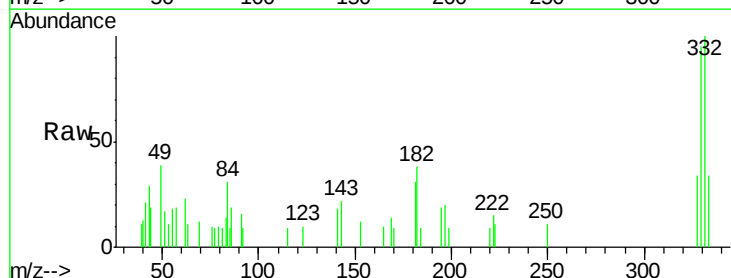
Tgt Ion:330 Resp: 2998

Ion Ratio Lower Upper

330 100

332 106.7 76.7 115.1

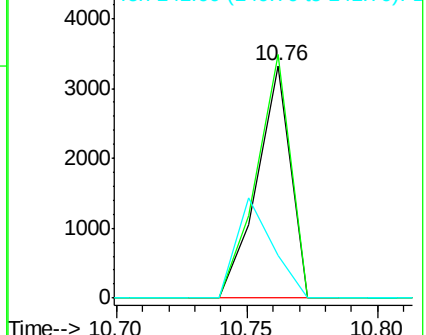
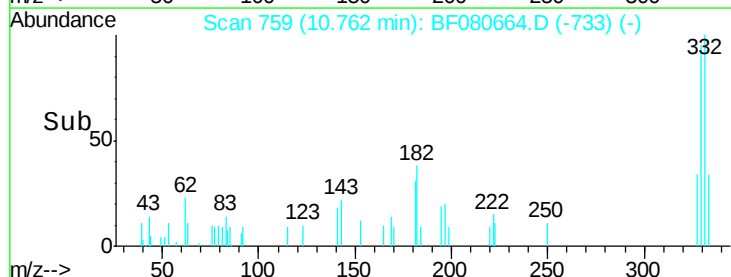
141 46.9 32.7 49.1

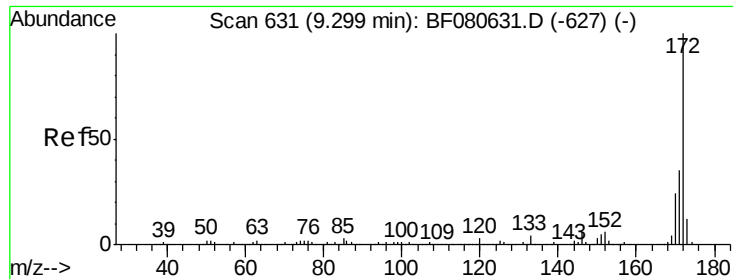


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

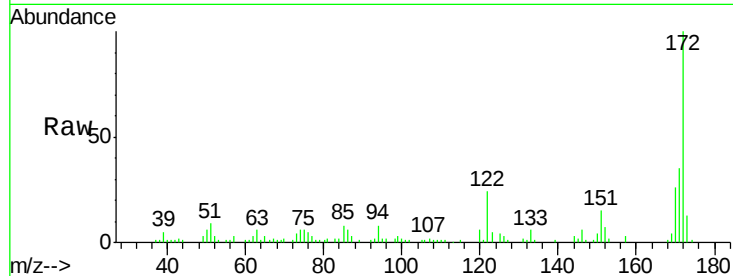




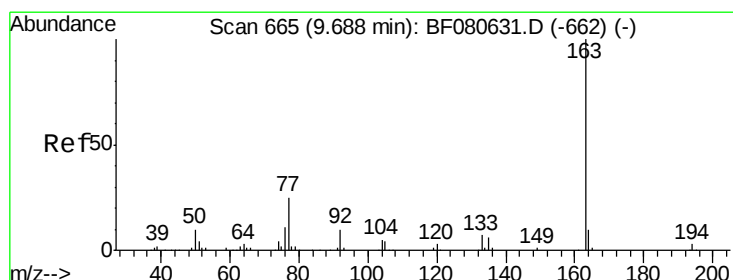
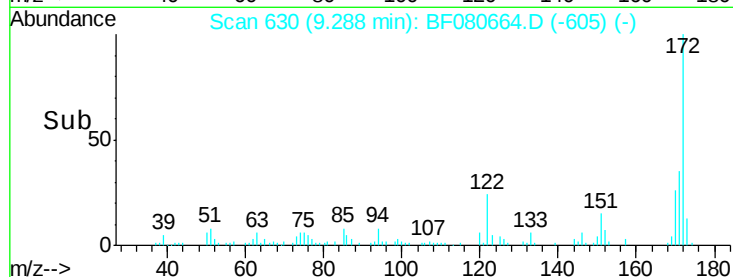
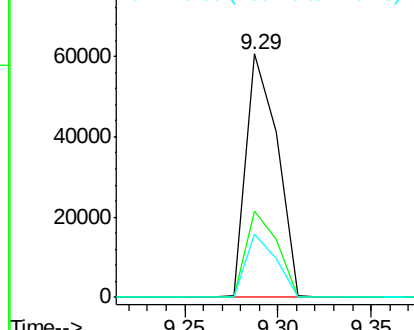
#44
2-Fluorobiphenyl
Concen: 12.25 ng
RT: 9.29 min Scan# 630
Delta R.T. -0.01 min
Lab File: BF080664.D
Acq: 25 Jul 2015 11:47

Instrument :
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ClientSampleId :
CONC1

Tgt Ion:172 Resp: 70292
Ion Ratio Lower Upper
172 100
171 35.2 27.7 41.5
170 26.0 19.0 28.4

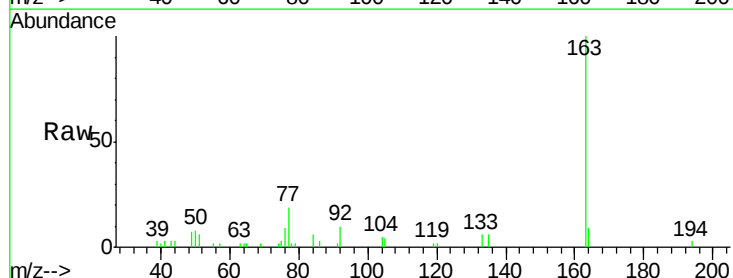


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

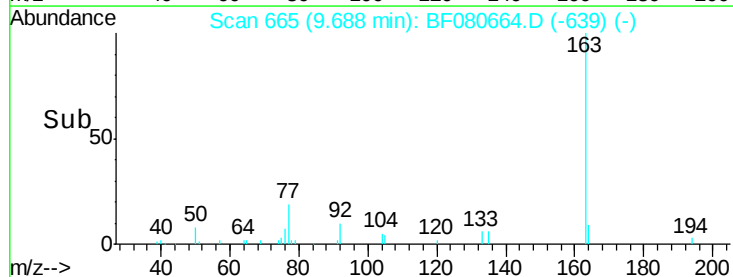
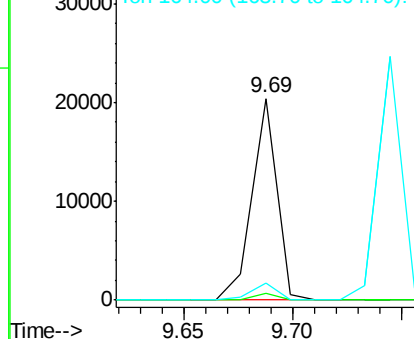


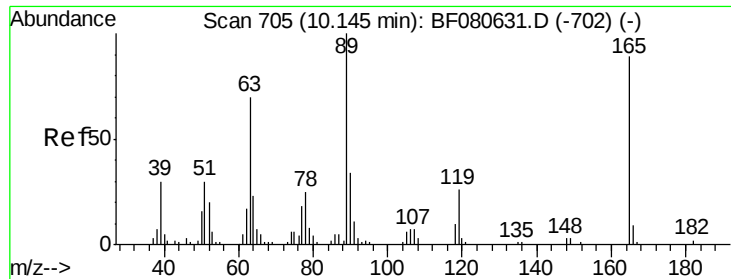
#49
Dimethylphthalate
Concen: 2.55 ng
RT: 9.69 min Scan# 665
Delta R.T. -0.00 min
Lab File: BF080664.D
Acq: 25 Jul 2015 11:47

Tgt Ion:163 Resp: 16149
Ion Ratio Lower Upper
163 100
194 3.1 2.5 3.7
164 8.8 8.0 12.0



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

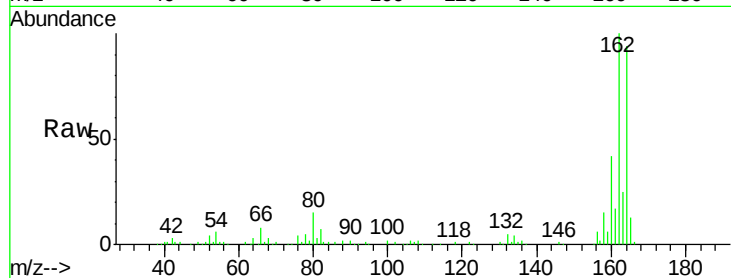




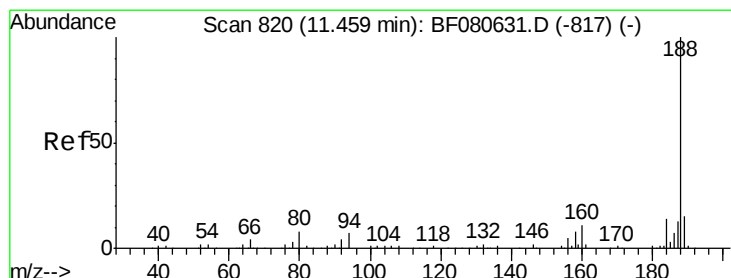
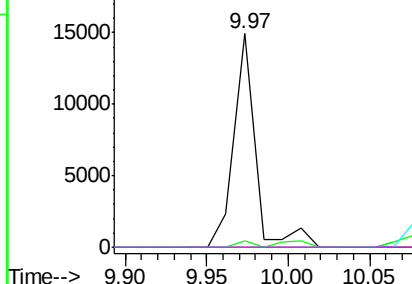
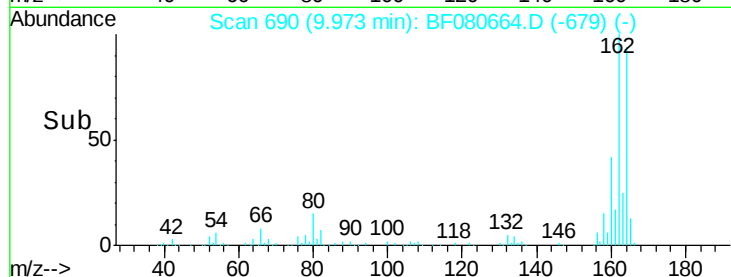
#56
 2,4-Dinitrotoluene
 Concen: 9.02 ng
 RT: 9.97 min Scan# 690
 Delta R.T. -0.17 min
 Lab File: BF080664.D
 Acq: 25 Jul 2015 11:47

Instrument :
 BNA_F
 ClientSampleId :
 CONC1

Tgt Ion:165 Resp: 13471
 Ion Ratio Lower Upper
 165 100
 63 3.0 63.0 94.4#
 89 0.0 90.2 135.2#
 182 0.0 1.6 2.4#

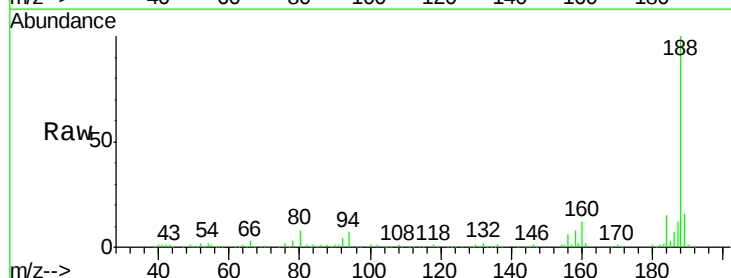


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

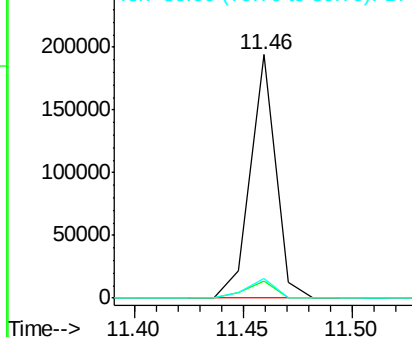
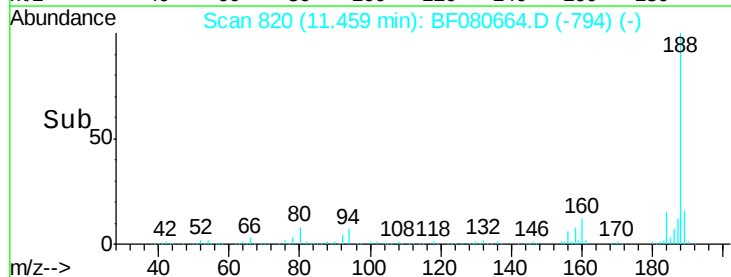


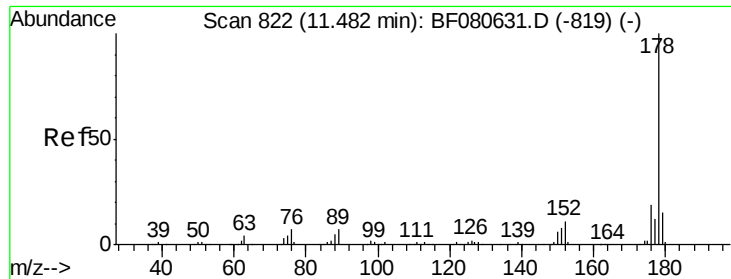
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.46 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: BF080664.D
 Acq: 25 Jul 2015 11:47

Tgt Ion:188 Resp: 156739
 Ion Ratio Lower Upper
 188 100
 94 7.3 5.6 8.4
 80 8.3 6.1 9.1



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

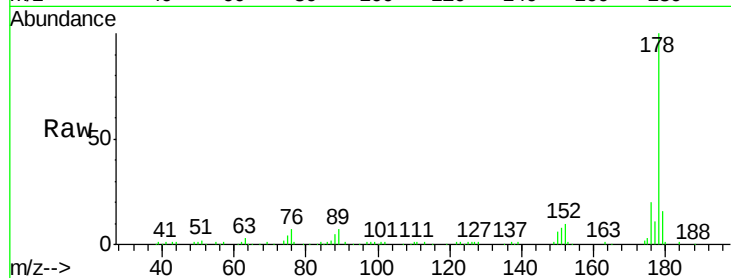




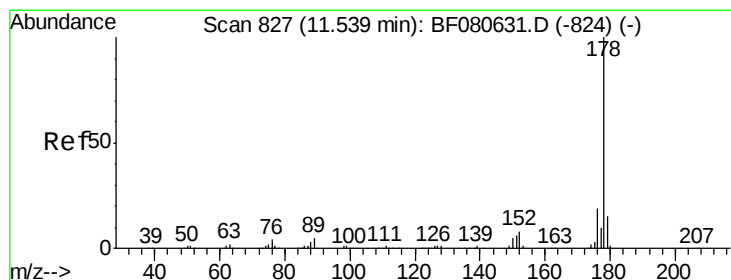
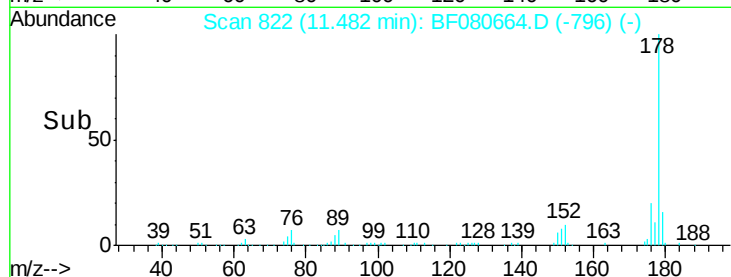
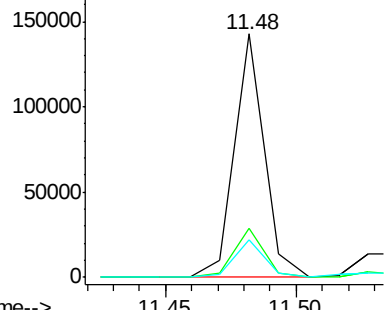
#70
 Phenanthrene
 Concen: 13.28 ng
 RT: 11.48 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: BF080664.D
 Acq: 25 Jul 2015 11:47

Instrument :
 BNA_F
 ClientSampleId :
 CONC1

Tgt Ion:178 Resp: 114878
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.5 23.3
 179 15.6 11.8 17.8

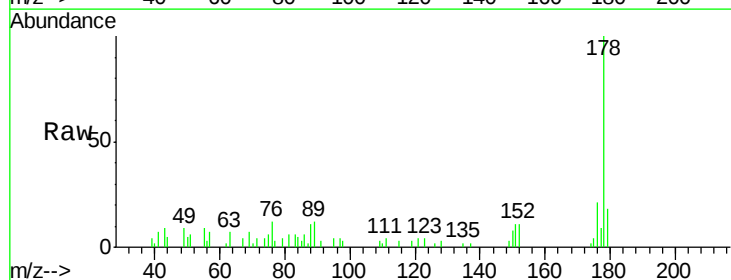


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

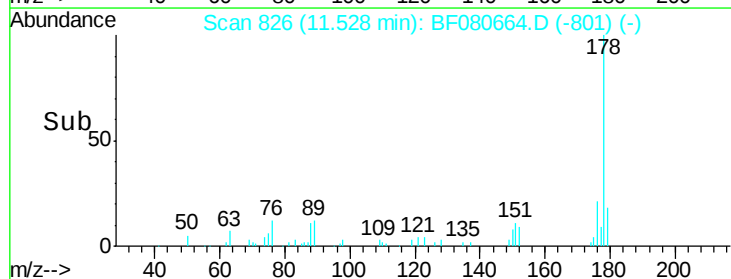
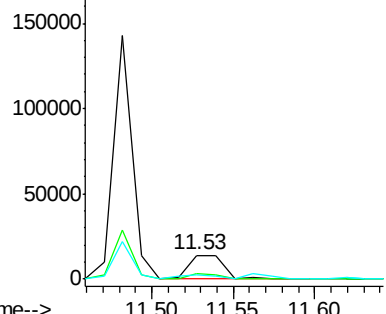


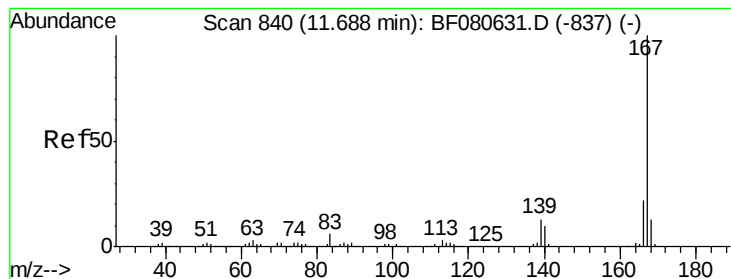
#71
 Anthracene
 Concen: 2.51 ng
 RT: 11.53 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: BF080664.D
 Acq: 25 Jul 2015 11:47

Tgt Ion:178 Resp: 20933
 Ion Ratio Lower Upper
 178 100
 176 21.3 15.0 22.6
 179 18.0 12.1 18.1



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





#72

Carbazole

Concen: 2.01 ng

RT: 11.69 min Scan# 840

Delta R.T. -0.00 min

Lab File: BF080664.D

Acq: 25 Jul 2015 11:47

Instrument :

BNA_F

ClientSampleId :

CONC1

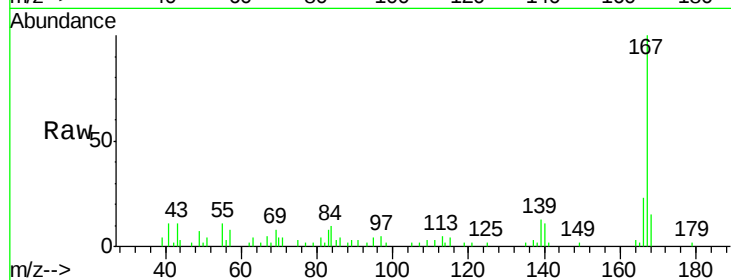
Tgt Ion:167 Resp: 15208

Ion Ratio Lower Upper

167 100

166 22.7 17.9 26.9

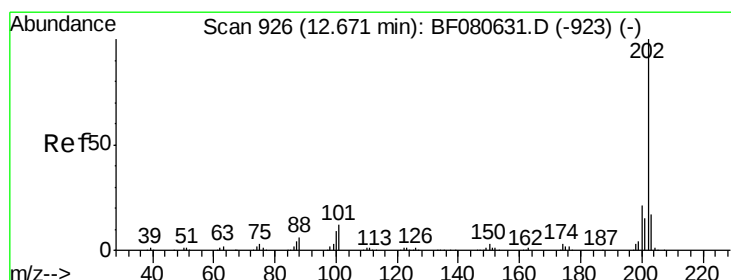
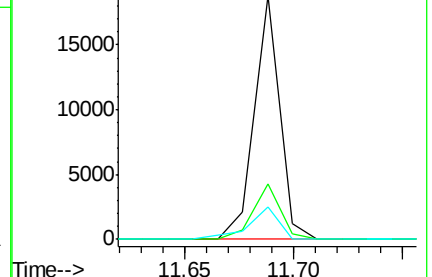
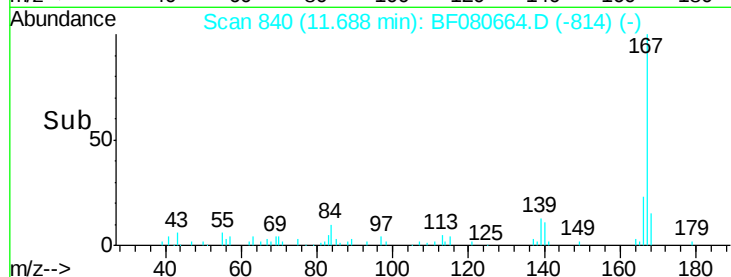
139 13.3 10.6 15.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 20.71 ng

RT: 12.71 min Scan# 929

Delta R.T. 0.03 min

Lab File: BF080664.D

Acq: 25 Jul 2015 11:47

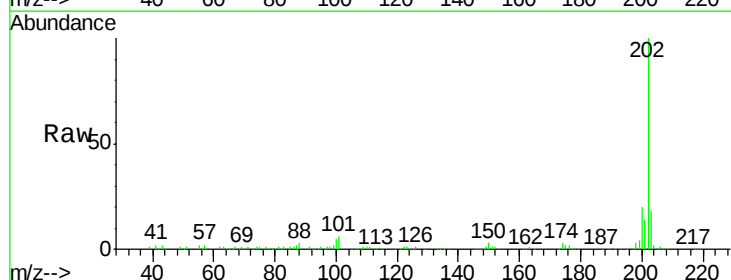
Tgt Ion:202 Resp: 173165

Ion Ratio Lower Upper

202 100

101 6.3 0.0 32.0

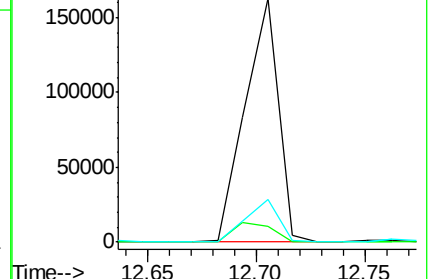
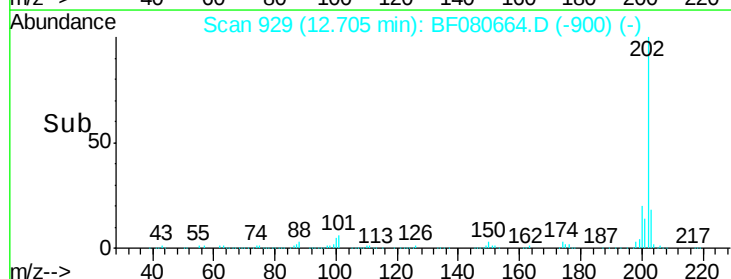
203 17.6 0.0 37.0

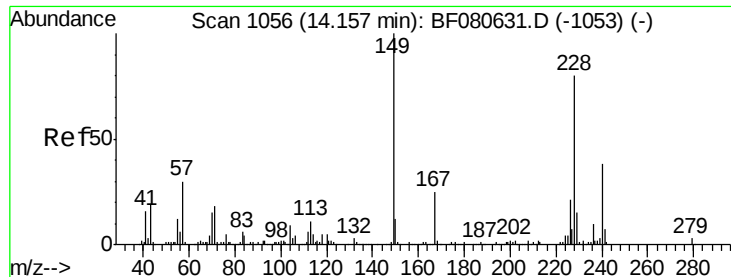


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.32 min Scan# 1070

Delta R.T. 0.16 min

Lab File: BF080664.D

Acq: 25 Jul 2015 11:47

Instrument :

BNA_F

ClientSampleId :

CONC1

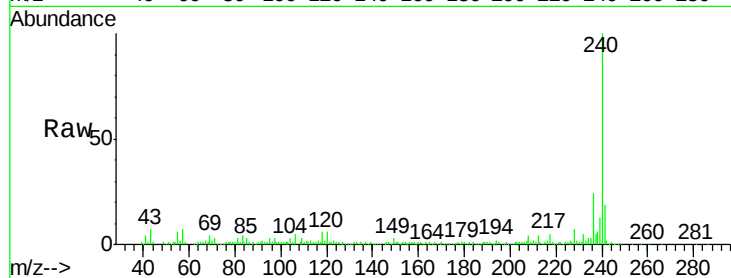
Tgt Ion:240 Resp: 203620

Ion Ratio Lower Upper

240 100

120 6.3 10.8 16.2#

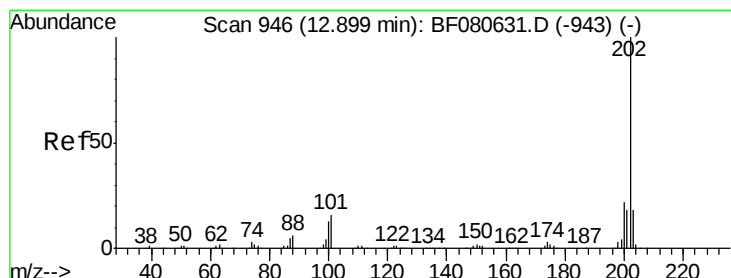
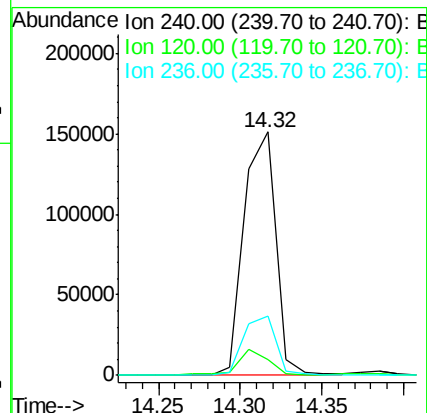
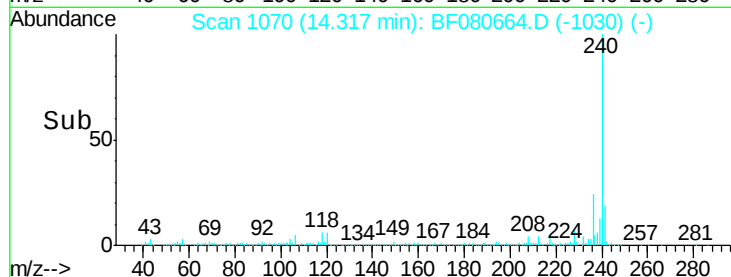
236 24.2 20.3 30.5



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: 11.93 ng

RT: 12.95 min Scan# 950

Delta R.T. 0.05 min

Lab File: BF080664.D

Acq: 25 Jul 2015 11:47

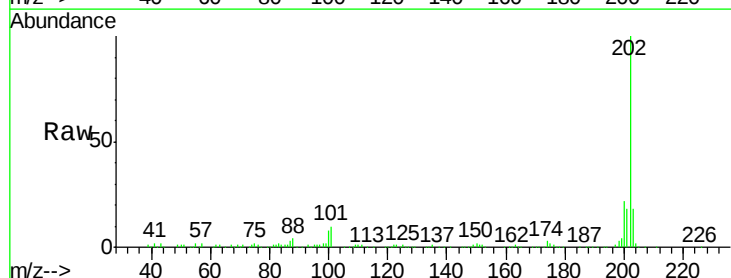
Tgt Ion:202 Resp: 152133

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.0

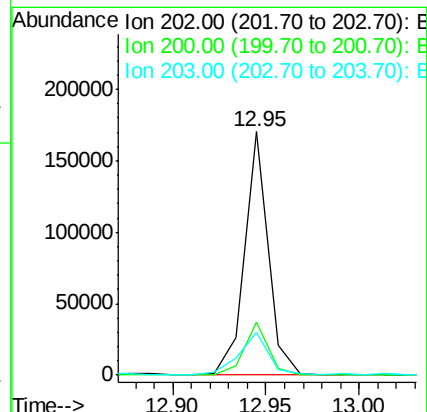
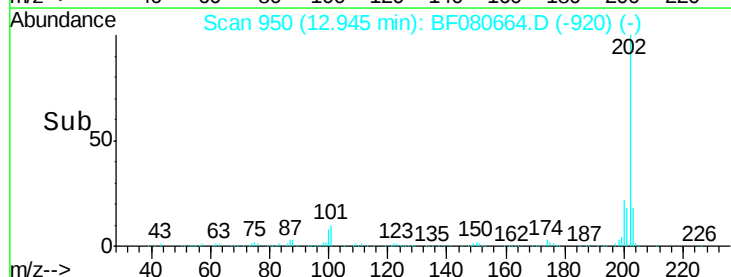
203 17.6 14.6 22.0

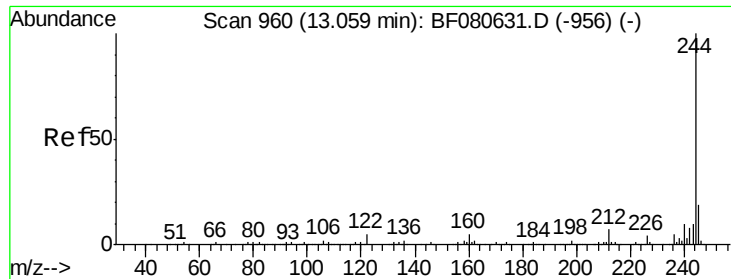


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

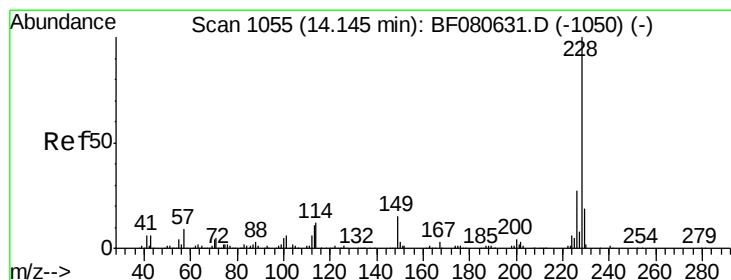
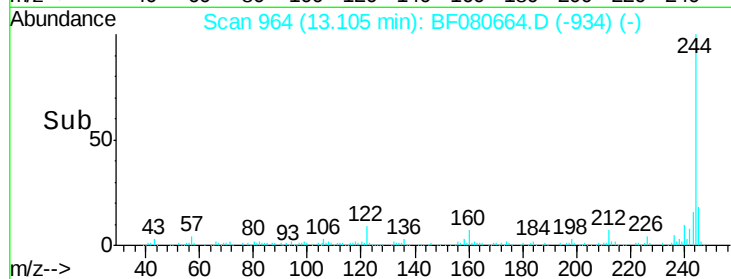
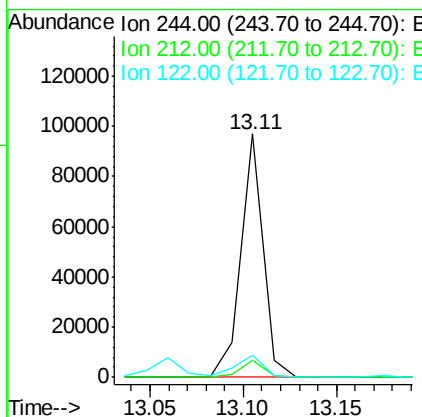
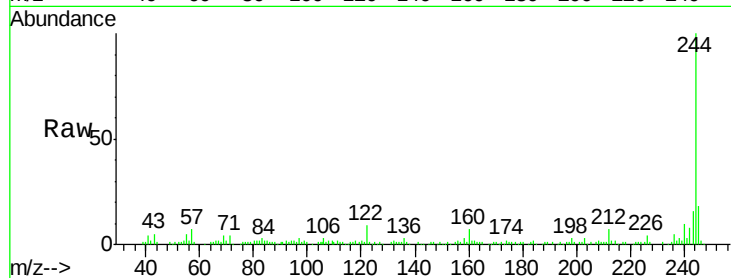




#78
 Terphenyl-d14
 Concen: 8.58 ng
 RT: 13.11 min Scan# 964
 Delta R.T. 0.05 min
 Lab File: BF080664.D
 Acq: 25 Jul 2015 11:47

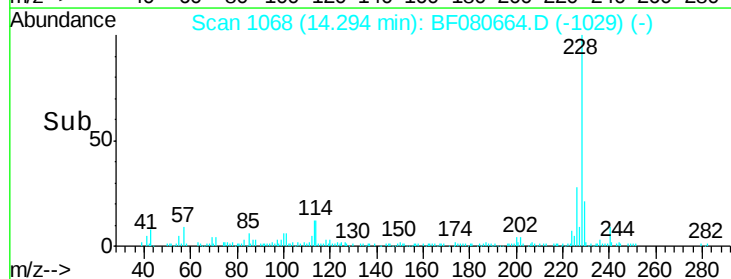
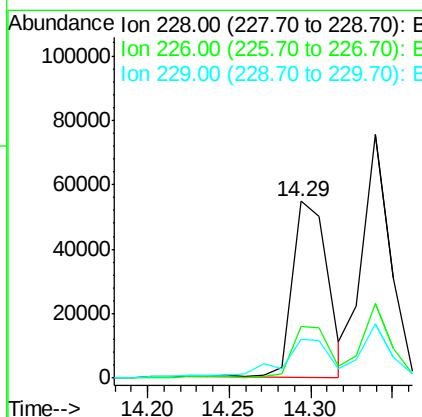
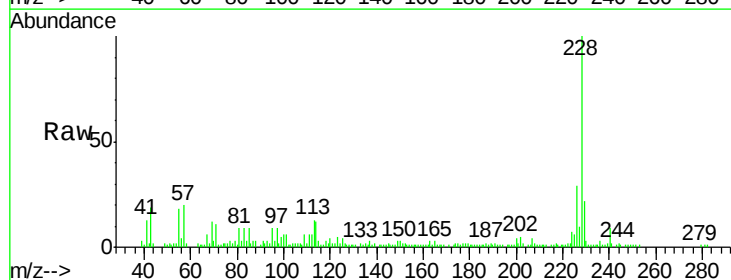
Instrument :
 BNA_F
 ClientSampleId :
 CONC1

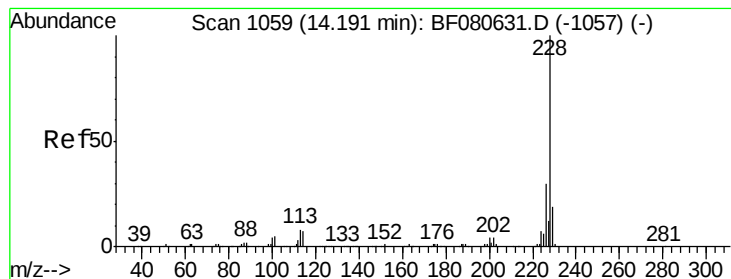
Tgt Ion:244 Resp: 81133
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.2 7.8
 122 9.0 4.1 6.1#



#80
 Benzo(a)anthracene
 Concen: 6.87 ng
 RT: 14.29 min Scan# 1068
 Delta R.T. 0.15 min
 Lab File: BF080664.D
 Acq: 25 Jul 2015 11:47

Tgt Ion:228 Resp: 82089
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.4 32.0
 229 22.2 15.4 23.0





#82

Chrysene

Concen: 8.15 ng

RT: 14.34 min Scan# 1072

Delta R.T. 0.15 min

Lab File: BF080664.D

Acq: 25 Jul 2015 11:47

Instrument :

BNA_F

ClientSampleId :

CONC1

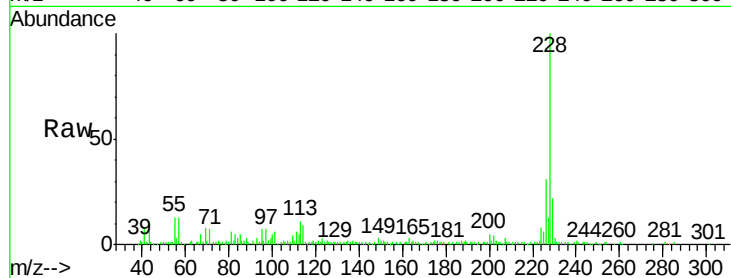
Tgt Ion:228 Resp: 91165

Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.4

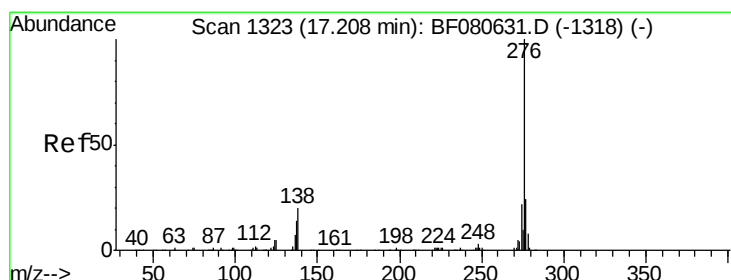
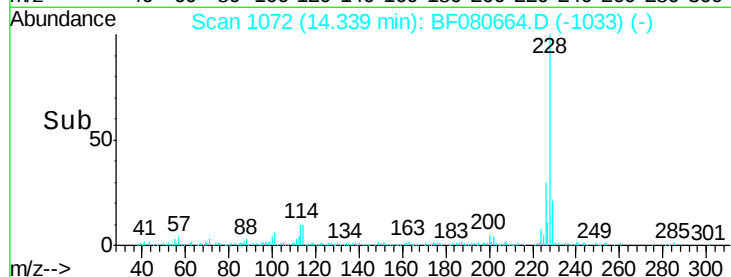
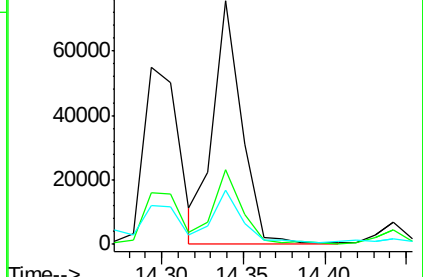
229 22.2 15.4 23.2



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: 5.42 ng

RT: 17.55 min Scan# 1353

Delta R.T. 0.34 min

Lab File: BF080664.D

Acq: 25 Jul 2015 11:47

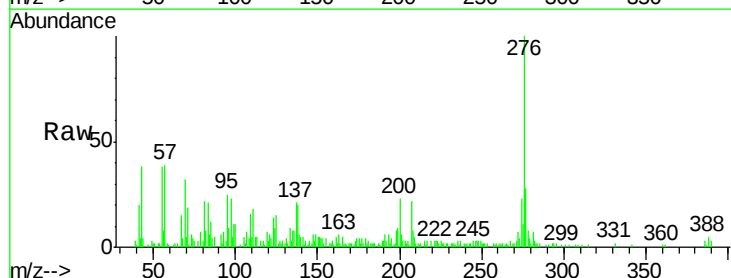
Tgt Ion:276 Resp: 61353

Ion Ratio Lower Upper

276 100

138 22.3 17.5 26.3

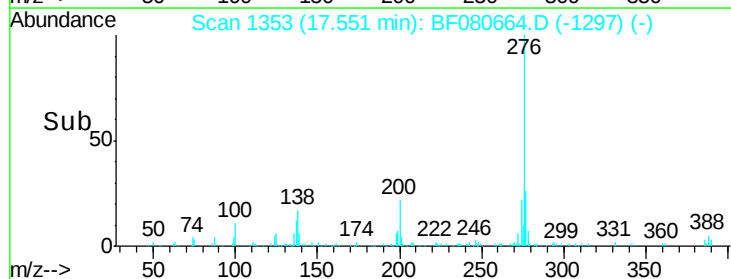
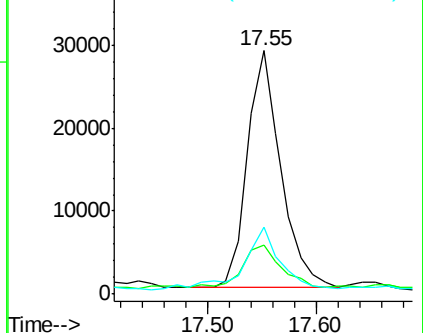
277 28.4 19.8 29.6

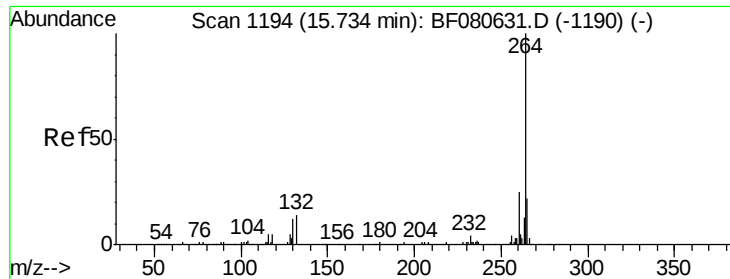


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

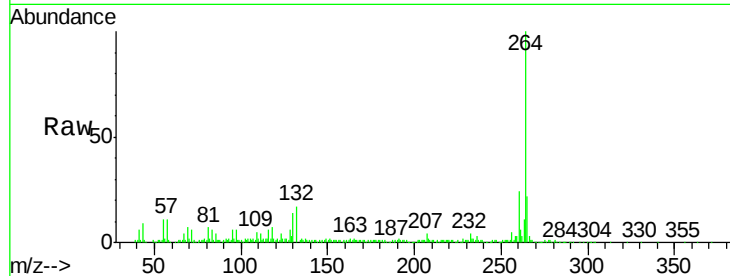




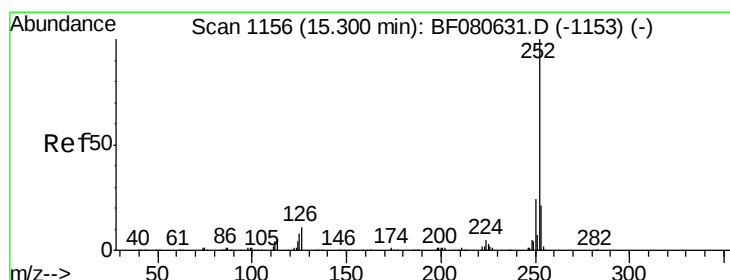
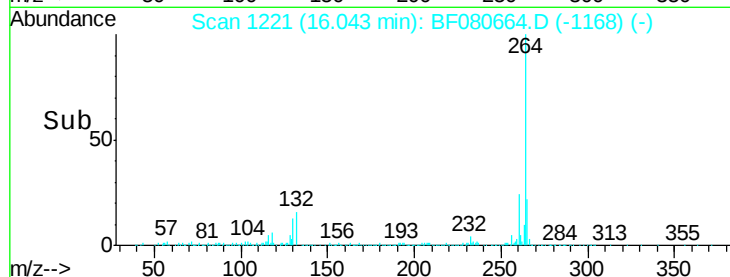
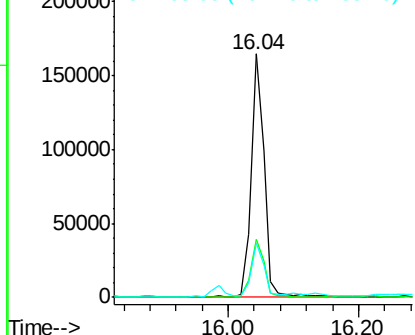
#86
Perylene-d12
Concen: 20.00 ng
RT: 16.04 min Scan# 1221
Delta R.T. 0.31 min
Lab File: BF080664.D
Acq: 25 Jul 2015 11:47

Instrument :
BNA_F
ClientSampleId :
CONC1

Tgt Ion:264 Resp: 228529
Ion Ratio Lower Upper
264 100
260 23.9 20.1 30.1
265 22.4 17.4 26.0

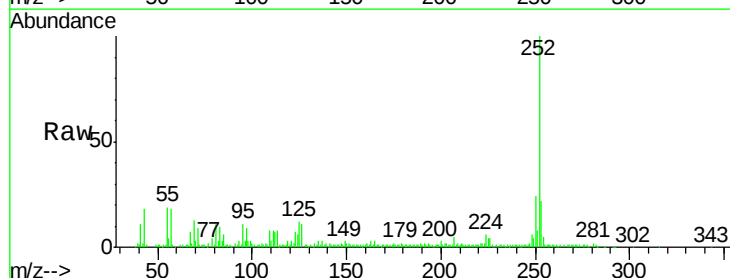


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

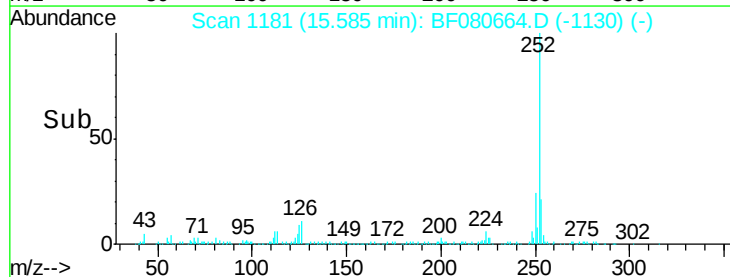
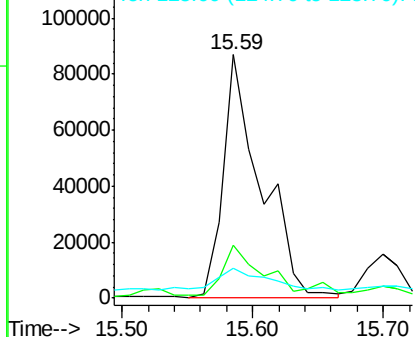


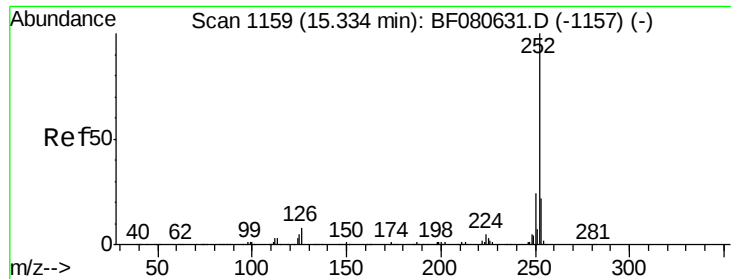
#87
Benzo(b)fluoranthene
Concen: 12.60 ng
RT: 15.59 min Scan# 1181
Delta R.T. 0.29 min
Lab File: BF080664.D
Acq: 25 Jul 2015 11:47

Tgt Ion:252 Resp: 174518
Ion Ratio Lower Upper
252 100
253 21.9 17.1 25.7
125 12.3 6.5 9.7#



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

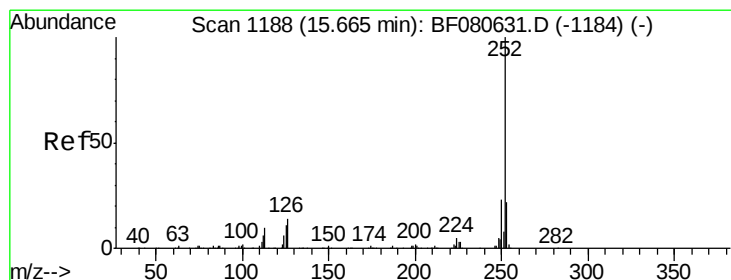
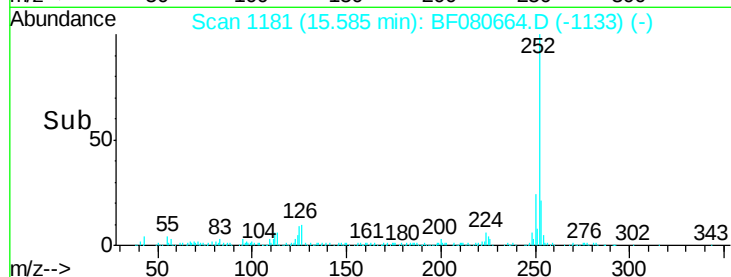
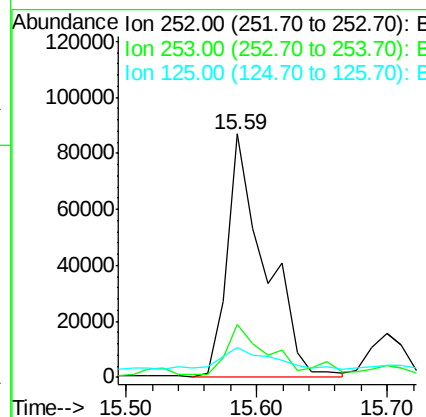
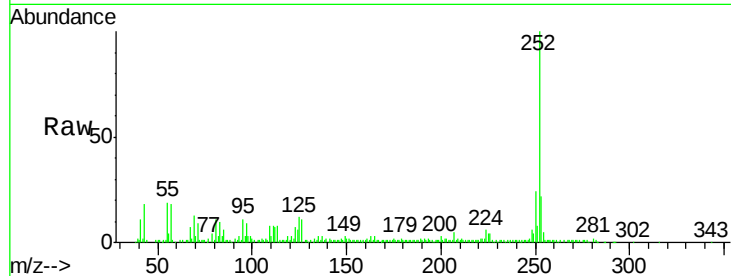




#88
Benzo(k)fluoranthene
Concen: 14.07 ng
RT: 15.59 min Scan# 1181
Delta R.T. 0.25 min
Lab File: BF080664.D
Acq: 25 Jul 2015 11:47

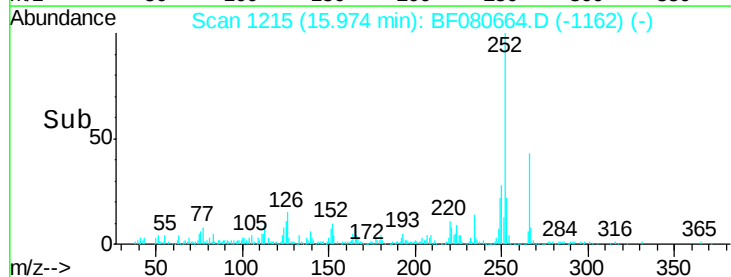
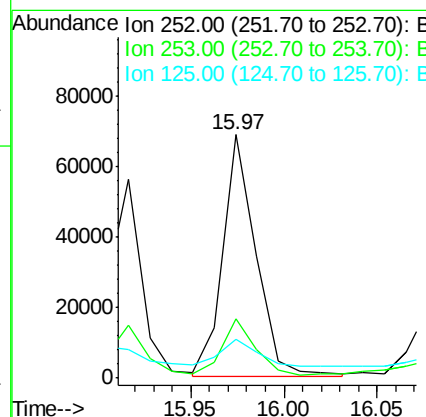
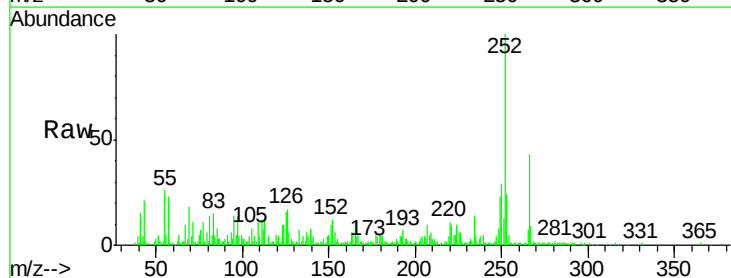
Instrument :
BNA_F
ClientSampleId :
CONC1

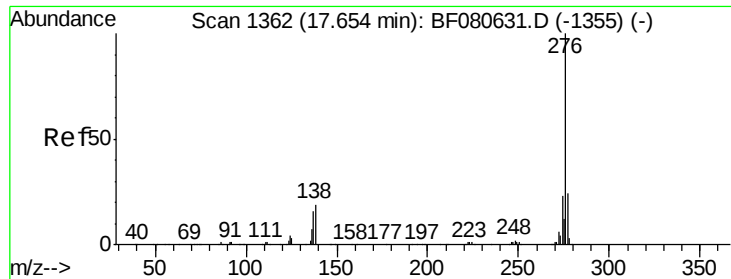
Tgt Ion:252 Resp: 174518
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.6
125 12.3 4.6 6.8#



#89
Benzo(a)pyrene
Concen: 6.79 ng
RT: 15.97 min Scan# 1215
Delta R.T. 0.31 min
Lab File: BF080664.D
Acq: 25 Jul 2015 11:47

Tgt Ion:252 Resp: 84638
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.6
125 15.7 9.1 13.7#

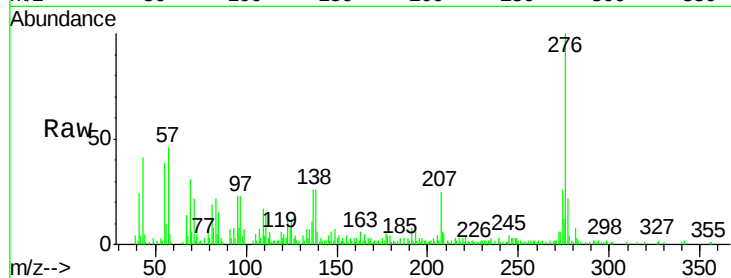




#91
 Benzo(g,h,i)perylene
 Concen: 5.12 ng
 RT: 18.00 min Scan# 1392
 Delta R.T. 0.34 min
 Lab File: BF080664.D
 Acq: 25 Jul 2015 11:47

Instrument :
 BNA_F
 ClientSampleId :
 CONC1

Tgt Ion: 276 Resp: 68205
 Ion Ratio Lower Upper
 276 100
 277 21.6 19.0 28.4
 138 25.8 14.8 22.2#



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

