

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086941.D
 Acq On : 12 May 2016 20:22
 Operator : UM/SJ
 Sample : H2968-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-03

Quant Time: May 13 00:50:48 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

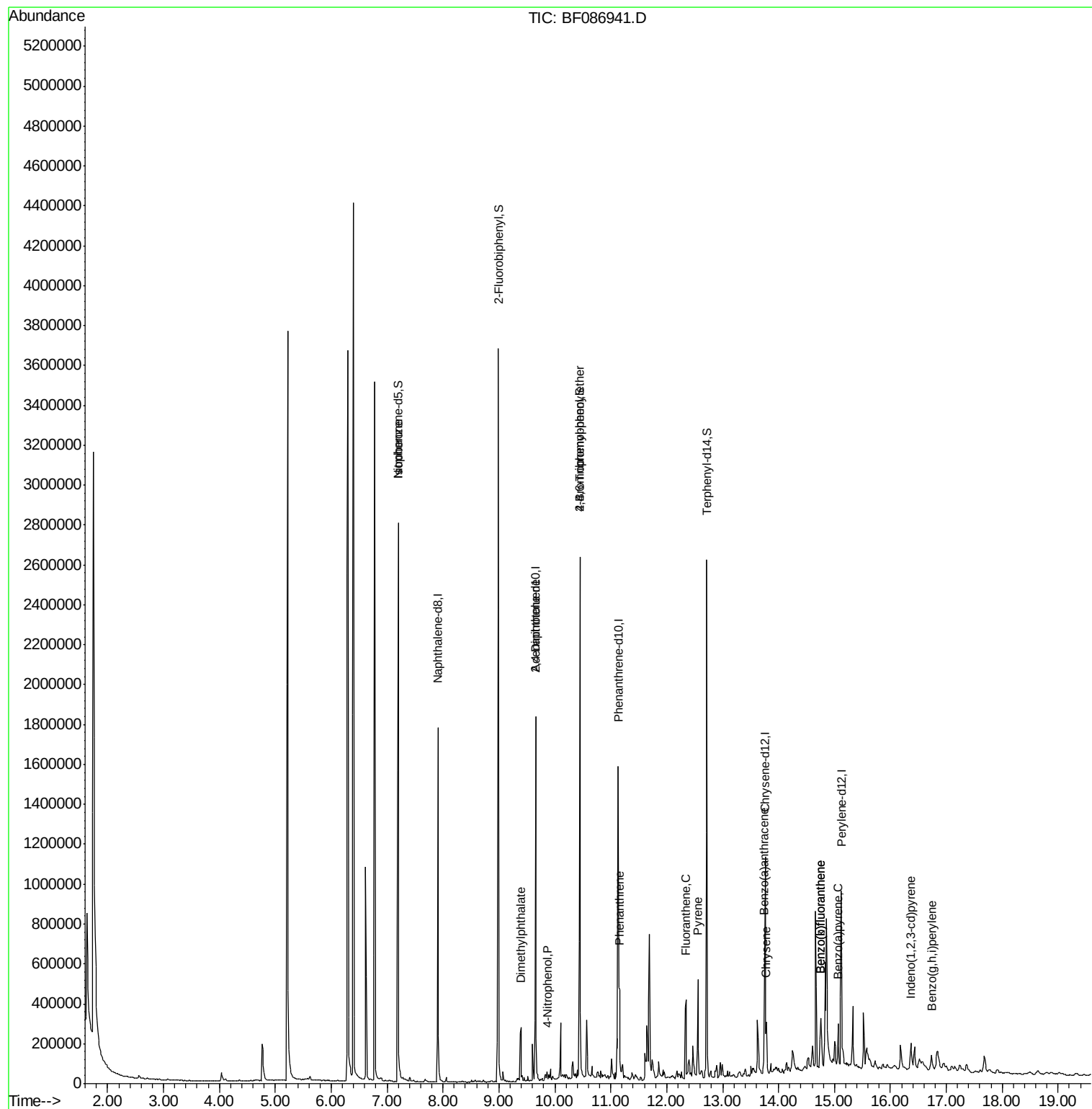
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-6.69
21) Naphthalene-d8	7.91	136	715031	20.00	ng	-0.08
38) Acenaphthene-d10	9.66	164	323285	20.00	ng	-0.08
63) Phenanthrene-d10	11.13	188	526786	20.00	ng	-0.08
75) Chrysene-d12	13.76	240	354213	20.00	ng	-0.08
86) Perylene-d12	15.12	264	368626	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1108756	0.00	ng	-0.07
7) Phenol-d6	6.30	99	1485030	0.00	ng	-0.07
23) Nitrobenzene-d5	7.20	82	1021279	71.72	ng	-0.07
41) 2,4,6-Tribromophenol	10.44	330	270157	78.94	ng	-0.08
44) 2-Fluorobiphenyl	8.99	172	1423667	74.01	ng	-0.07
78) Terphenyl-d14	12.72	244	854876	51.21	ng	-0.08
Target Compounds						
25) Isophorone	7.20	82	989574	37.45	ng	# 68
49) Dimethylphthalate	9.39	163	142214	5.77	ng	98
55) 4-Nitrophenol	9.86	139	1423	4.93	ng	# 14
56) 2,4-Dinitrotoluene	9.66	165	41581	6.47	ng	# 16
66) 4-Bromophenyl-phenylether	10.44	248	17371	3.25	ng	# 1
70) Phenanthrene	11.15	178	128530	4.57	ng	99
74) Fluoranthene	12.34	202	229788	7.95	ng	90
77) Pyrene	12.56	202	194565	7.17	ng	98
80) Benzo(a)anthracene	13.75	228	108036	5.43	ng	97
82) Chrysene	13.78	228	75656	3.74	ng	98
85) Indeno(1,2,3-cd)pyrene	16.37	276	60530	3.60	ng	# 89
87) Benzo(b)fluoranthene	14.75	252	171190	7.15	ng	# 97
88) Benzo(k)fluoranthene	14.75	252	171190	8.73	ng	100
89) Benzo(a)pyrene	15.06	252	92180	4.46	ng	96
91) Benzo(g,h,i)perylene	16.74	276	55323	3.13	ng	# 93

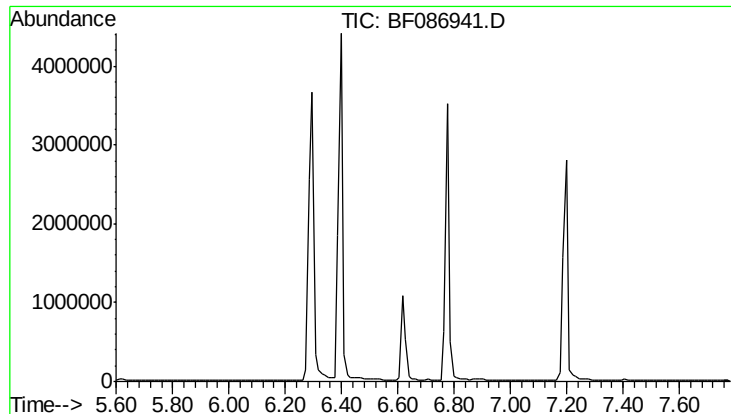
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.00 ng

Expected RT: 6.69 min

Lab File: BF086941.D

Acq: 12 May 2016 20:22

Instrument :

BNA_F

ClientSampleId :

SS-03

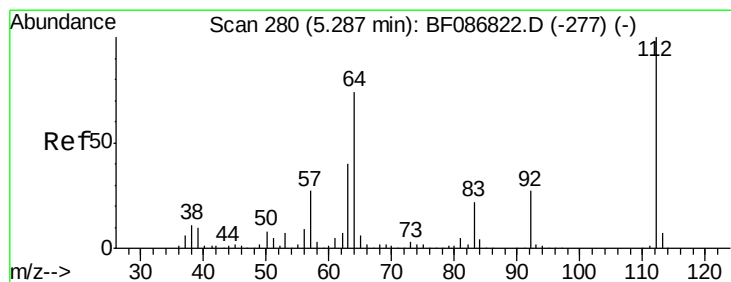
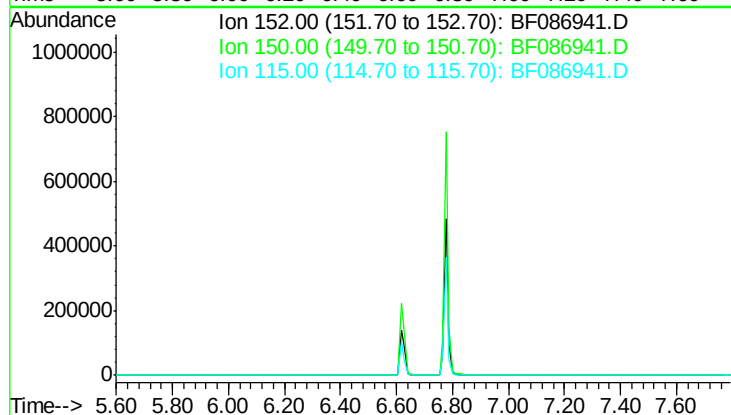
Tgt Ion: 152

Sig Exp Ratio

152 100

150 157.2

115 64.4



#5

2-Fluorophenol

Concen: 0.00 ng

RT: 5.22 min Scan# 318

Delta R.T. -0.07 min

Lab File: BF086941.D

Acq: 12 May 2016 20:22

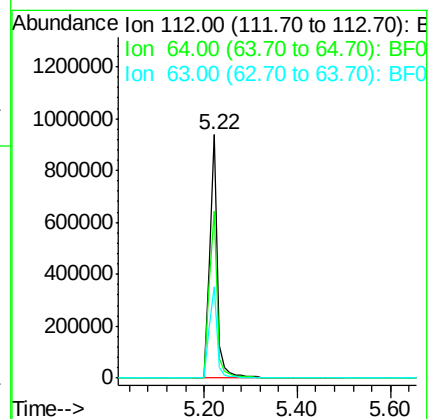
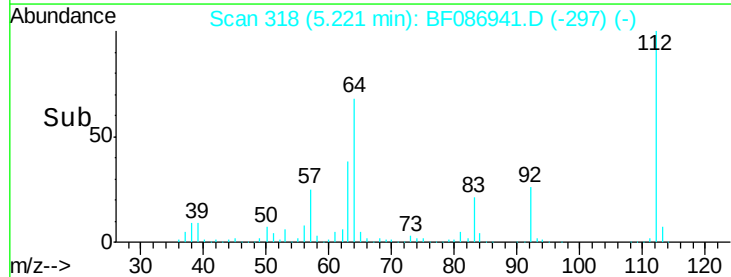
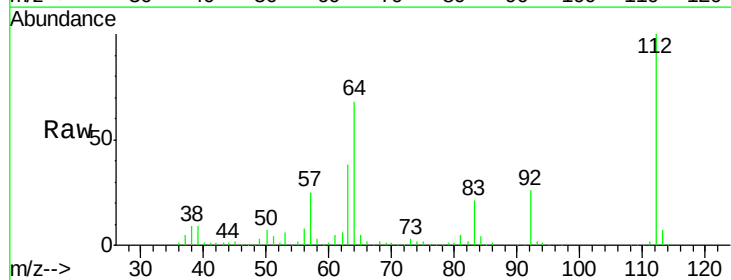
Tgt Ion:112 Resp: 1108756

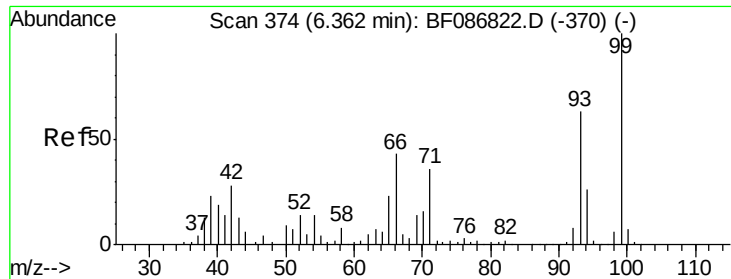
Ion Ratio Lower Upper

112 100

64 68.3 52.1 78.1

63 37.7 25.7 38.5





#7

Phenol-d6

Concen: 0.00 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.07 min

Lab File: BF086941.D

Acq: 12 May 2016 20:22

Instrument :

BNA_F

ClientSampleId :

SS-03

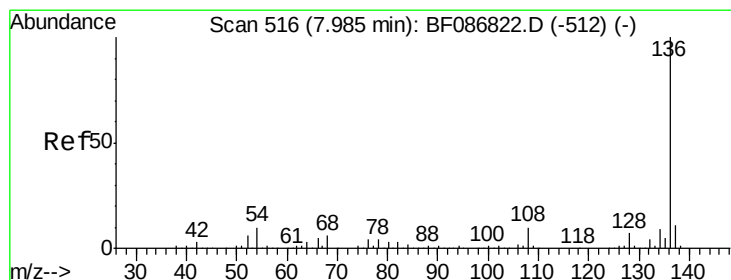
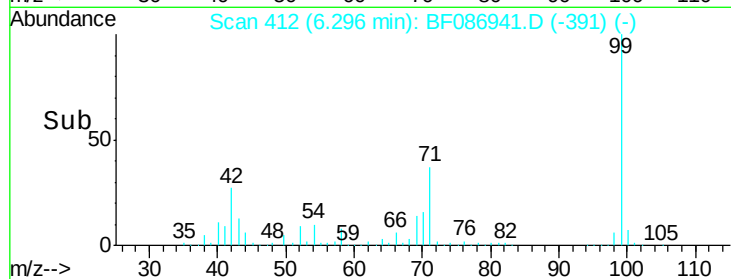
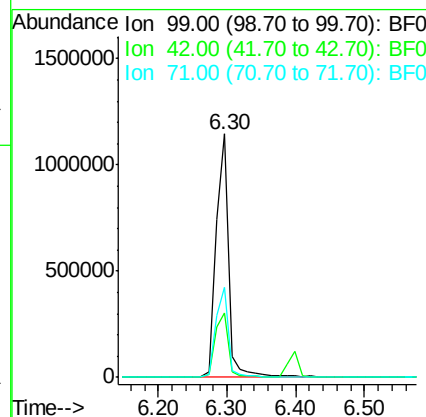
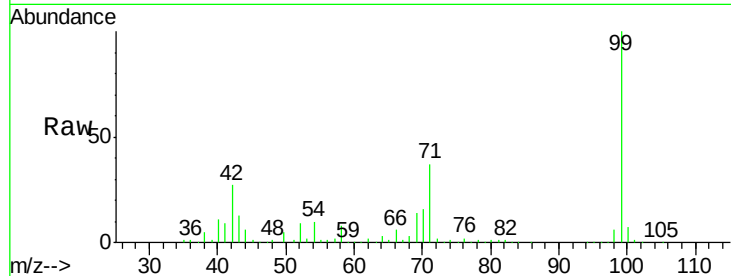
Tgt Ion: 99 Resp: 1485030

Ion Ratio Lower Upper

99 100

42 26.7 13.6 20.4#

71 36.9 24.6 36.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.08 min

Lab File: BF086941.D

Acq: 12 May 2016 20:22

Tgt Ion: 136 Resp: 715031

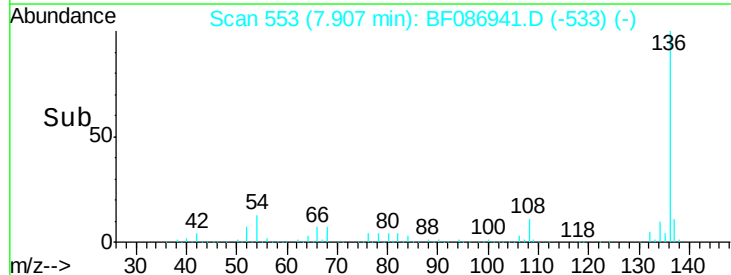
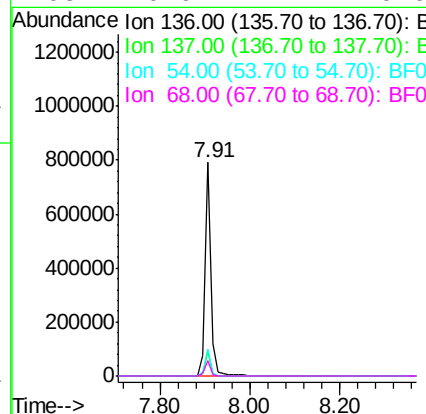
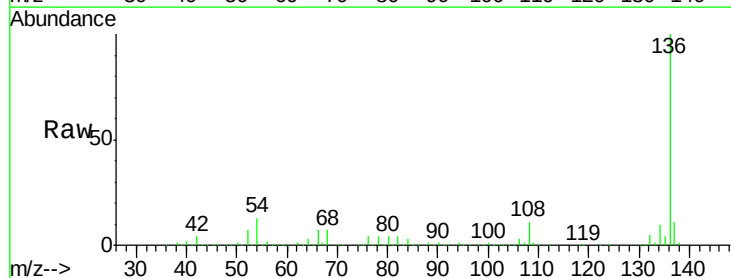
Ion Ratio Lower Upper

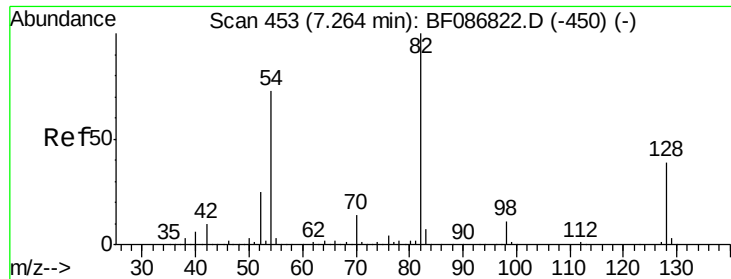
136 100

137 11.4 8.8 13.2

54 12.8 5.0 7.4#

68 6.9 4.4 6.6#

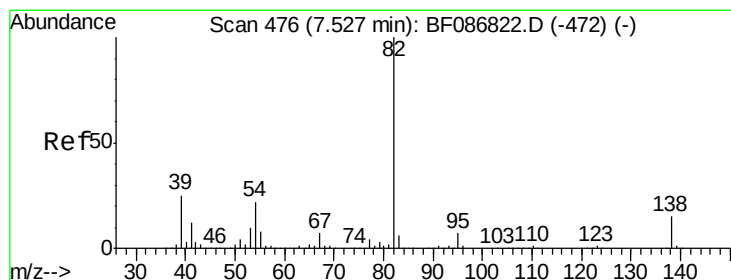
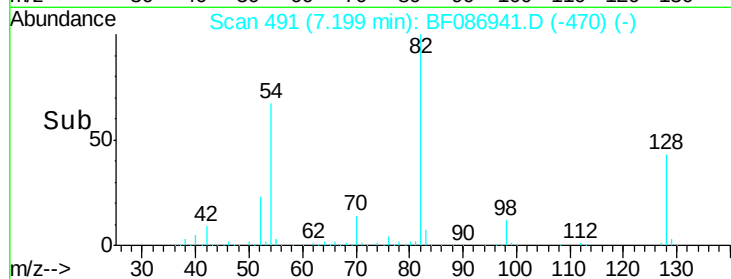
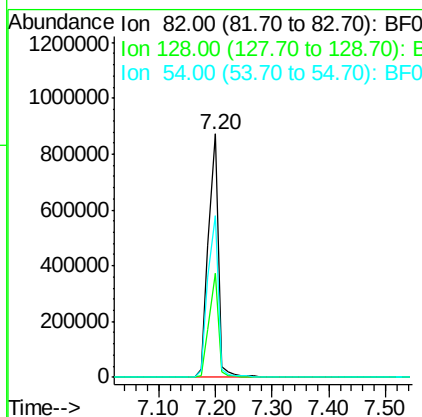
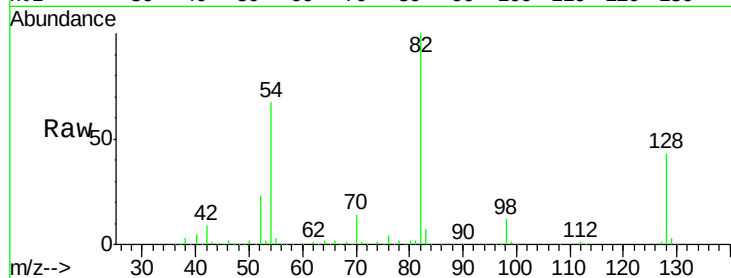




#23
 Nitrobenzene-d5
 Concen: 71.72 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.07 min
 Lab File: BF086941.D
 Acq: 12 May 2016 20:22

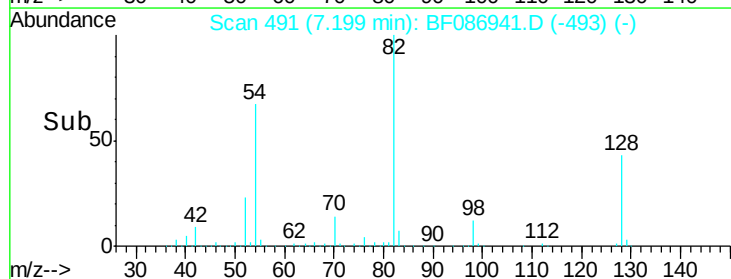
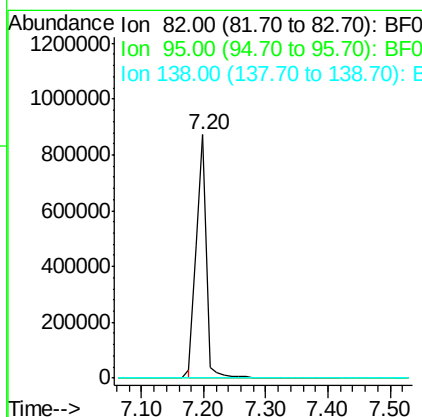
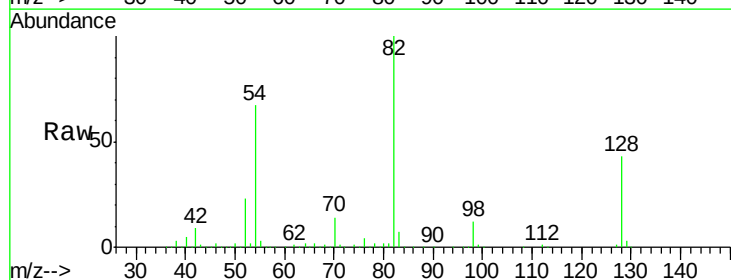
Instrument :
 BNA_F
 ClientSampleID :
 SS-03

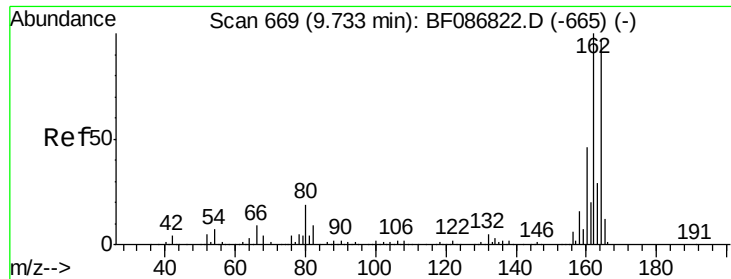
Tgt Ion: 82 Resp: 1021279
 Ion Ratio Lower Upper
 82 100
 128 42.6 40.6 61.0
 54 66.6 38.1 57.1#



#25
 Isophorone
 Concen: 37.45 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.33 min
 Lab File: BF086941.D
 Acq: 12 May 2016 20:22

Tgt Ion: 82 Resp: 989574
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.1 7.7#
 138 0.0 12.4 18.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.08 min

Lab File: BF086941.D

Acq: 12 May 2016 20:22

Instrument :

BNA_F

ClientSampleId :

SS-03

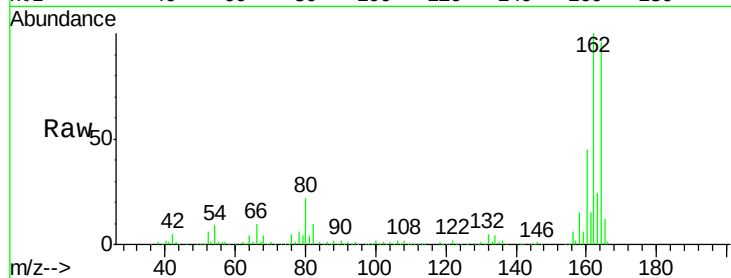
Tgt Ion:164 Resp: 323285

Ion Ratio Lower Upper

164 100

162 104.0 82.8 124.2

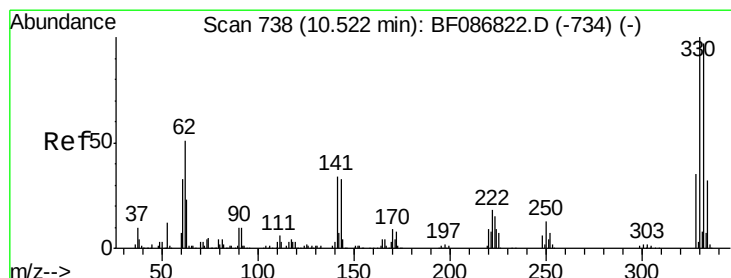
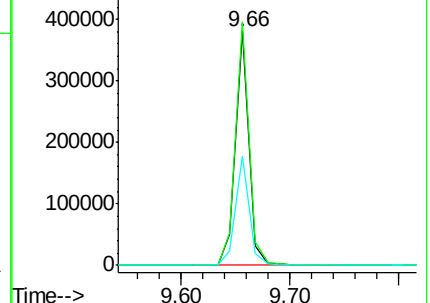
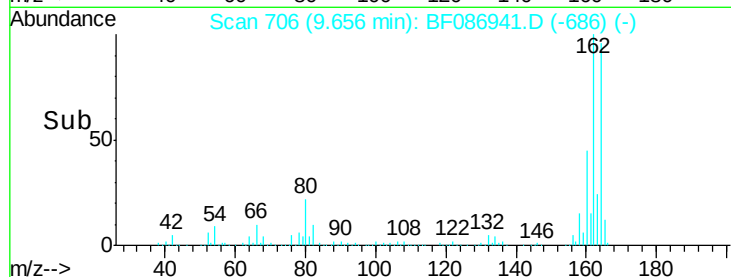
160 46.5 36.9 55.3



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: 78.94 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.08 min

Lab File: BF086941.D

Acq: 12 May 2016 20:22

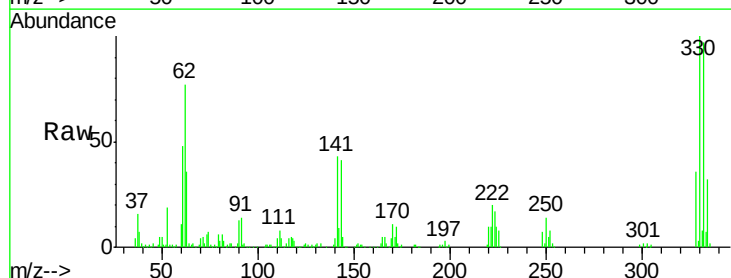
Tgt Ion:330 Resp: 270157

Ion Ratio Lower Upper

330 100

332 97.0 79.0 118.4

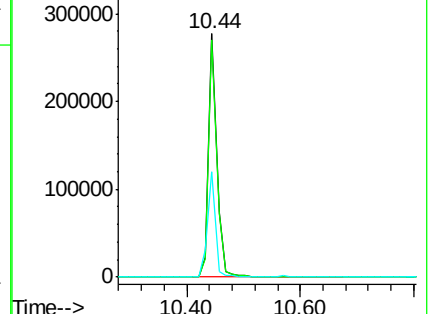
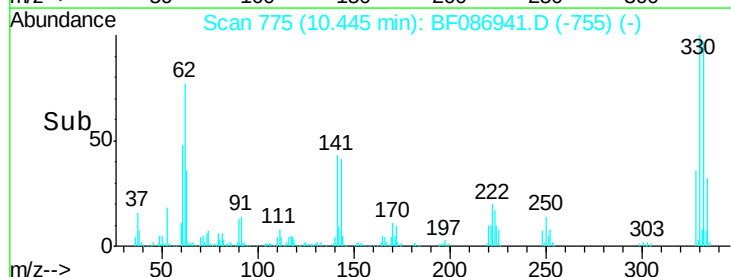
141 41.7 31.2 46.8

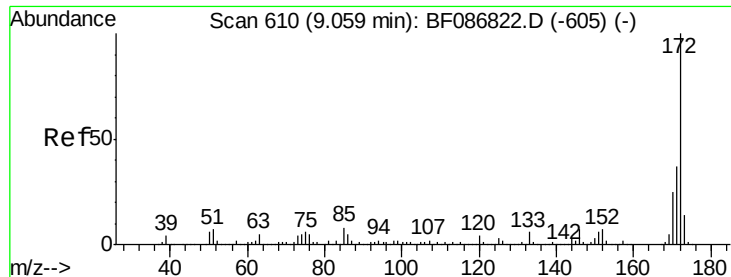


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

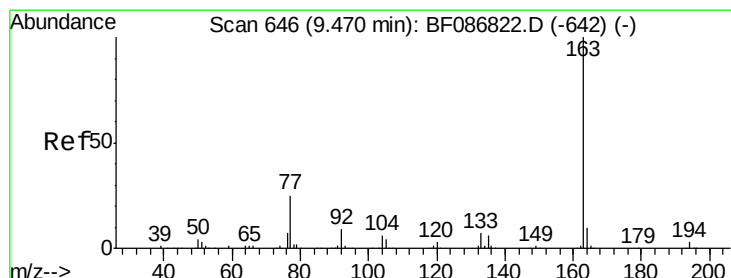
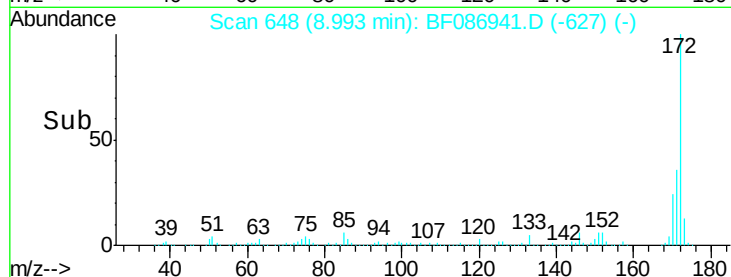
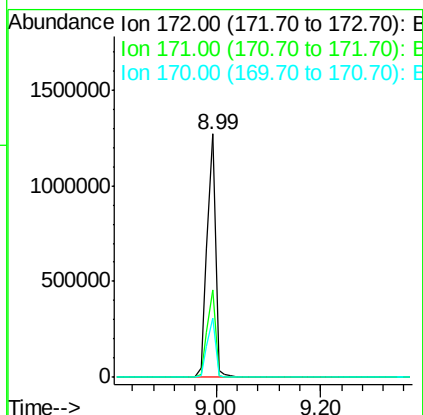
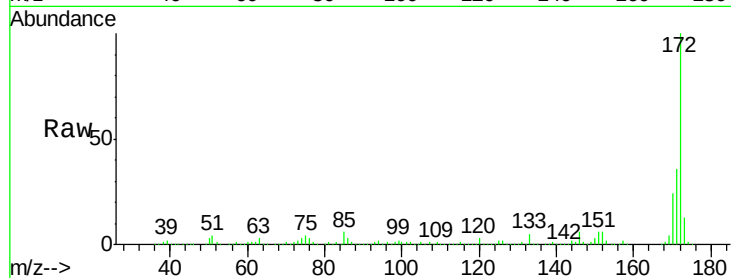




#44
 2-Fluorobiphenyl
 Concen: 74.01 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.07 min
 Lab File: BF086941.D
 Acq: 12 May 2016 20:22

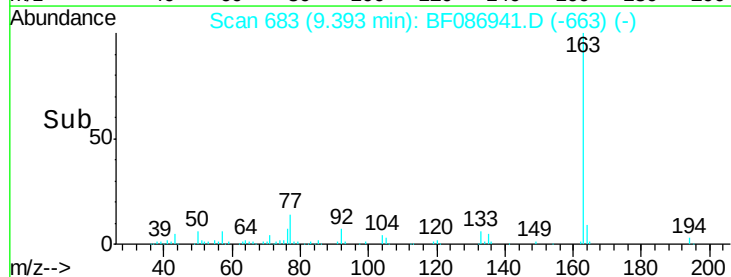
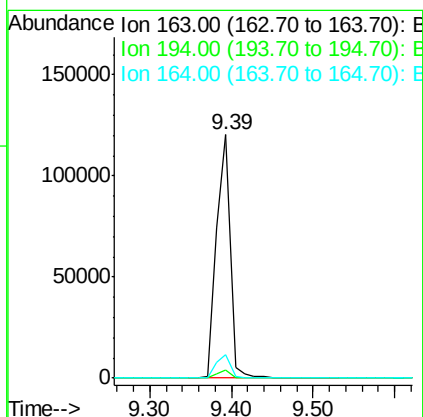
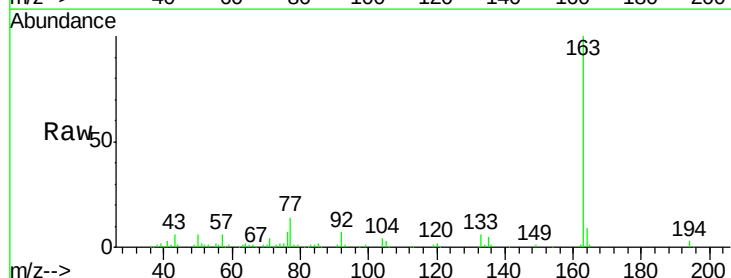
Instrument :
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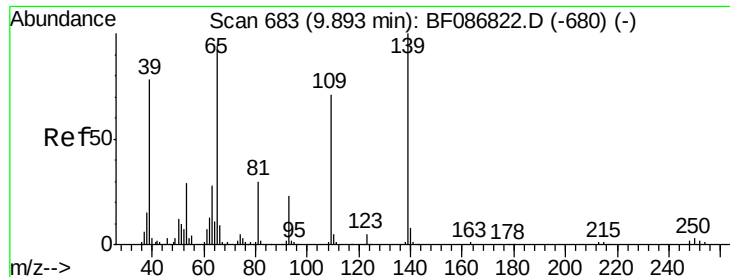
Tgt Ion:172 Resp: 1423667
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.0 43.6
 170 24.3 19.8 29.8



#49
 Dimethylphthalate
 Concen: 5.77 ng
 RT: 9.39 min Scan# 683
 Delta R.T. -0.08 min
 Lab File: BF086941.D
 Acq: 12 May 2016 20:22

Tgt Ion:163 Resp: 142214
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.6 4.0
 164 9.4 8.2 12.4





#55

4-Nitrophenol

Concen: 4.93 ng

RT: 9.86 min Scan# 724

Delta R.T. -0.03 min

Lab File: BF086941.D

Acq: 12 May 2016 20:22

Instrument :

BNA_F

ClientSampled :

SS-03

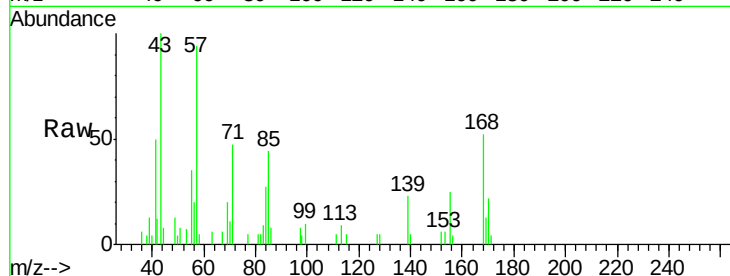
Tgt Ion:139 Resp: 1423

Ion Ratio Lower Upper

139 100

109 0.0 36.9 76.9#

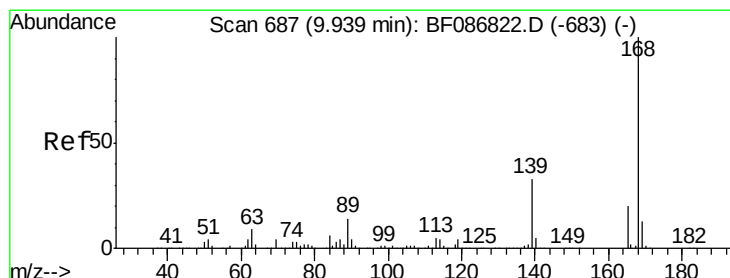
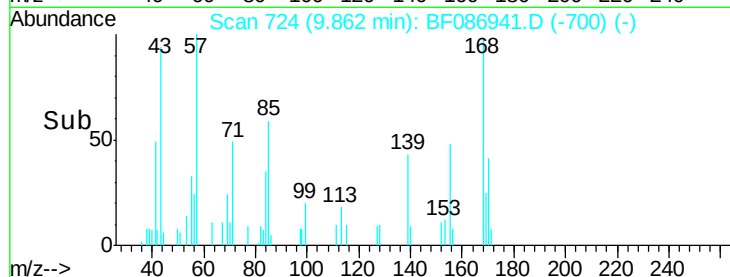
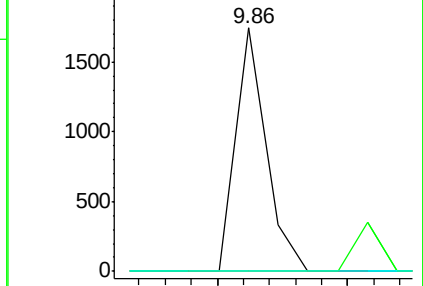
65 0.0 64.0 104.0#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.47 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.28 min

Lab File: BF086941.D

Acq: 12 May 2016 20:22

Tgt Ion:165 Resp: 41581

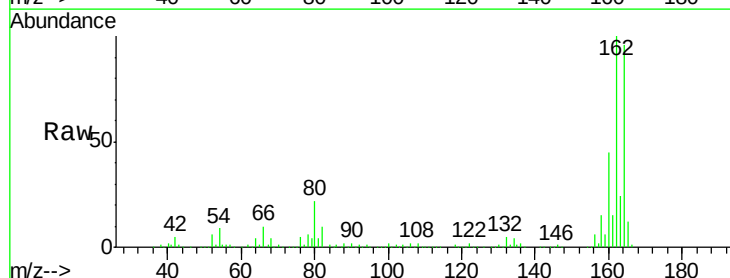
Ion Ratio Lower Upper

165 100

63 1.8 44.3 66.5#

89 1.9 70.0 105.0#

182 0.0 1.8 2.6#

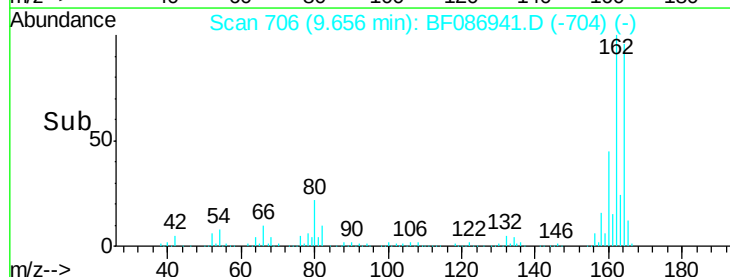
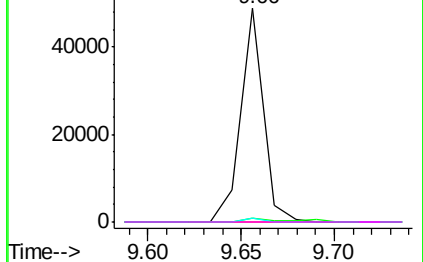


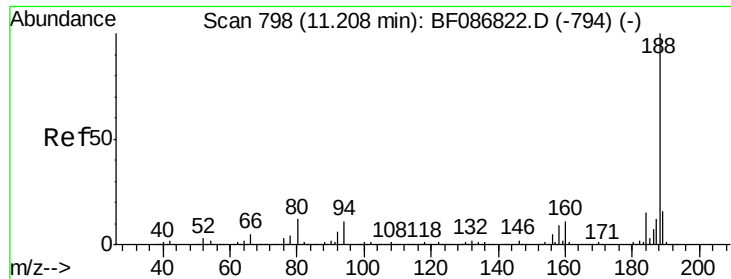
Abundance Ion 165.00 (164.70 to 165.70): E

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

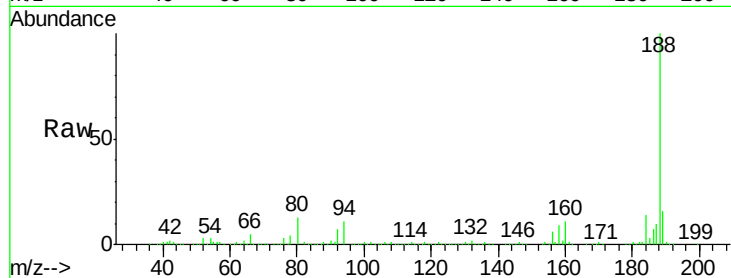




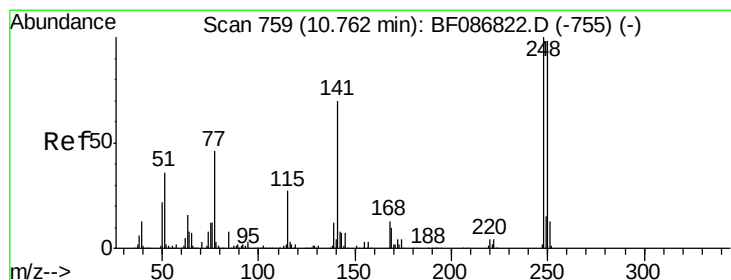
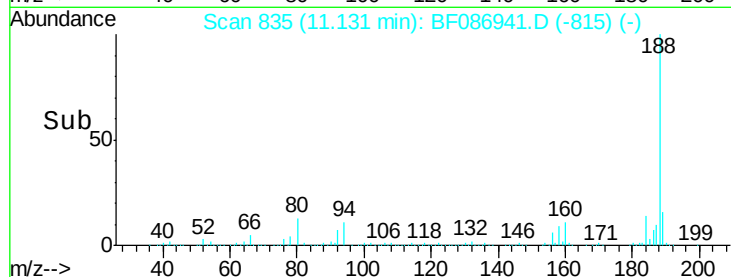
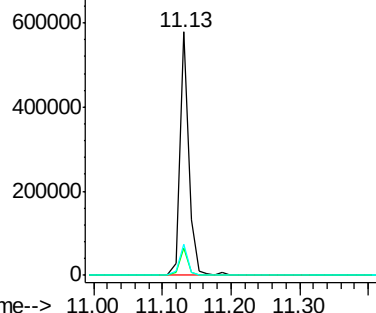
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.08 min
Lab File: BF086941.D
Acq: 12 May 2016 20:22

Instrument :
BNA_F
ClientSampleId :
SS-03

Tgt Ion:188 Resp: 526786
Ion Ratio Lower Upper
188 100
94 11.4 6.8 10.2#
80 12.8 7.1 10.7#

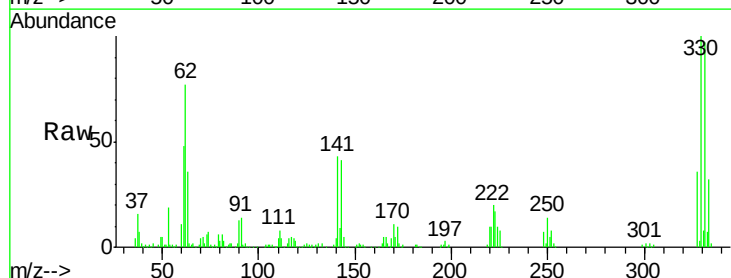


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

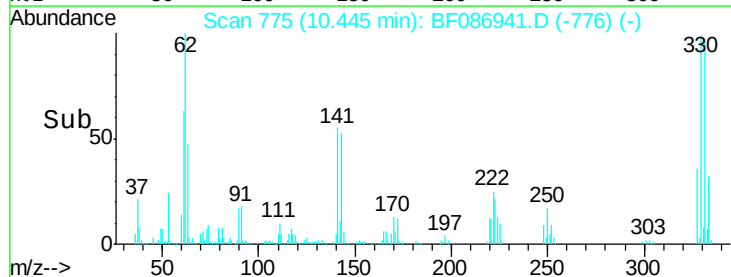
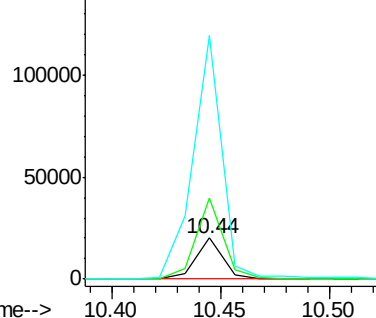


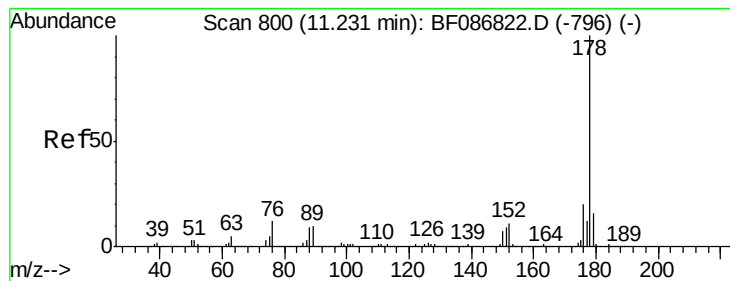
#66
4-Bromophenyl-phenylether
Concen: 3.25 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.32 min
Lab File: BF086941.D
Acq: 12 May 2016 20:22

Tgt Ion:248 Resp: 17371
Ion Ratio Lower Upper
248 100
250 197.9 78.6 117.8#
141 597.0 76.0 114.0#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 4.57 ng

RT: 11.15 min Scan# 837

Delta R.T. -0.08 min

Lab File: BF086941.D

Acq: 12 May 2016 20:22

Instrument :

BNA_F

ClientSampleId :

SS-03

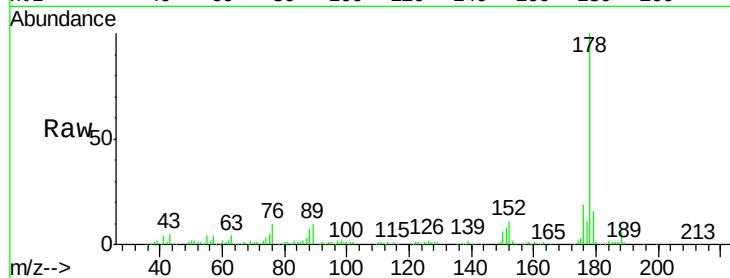
Tgt Ion:178 Resp: 128530

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

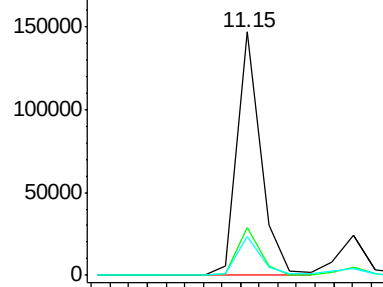
179 15.9 12.6 18.8



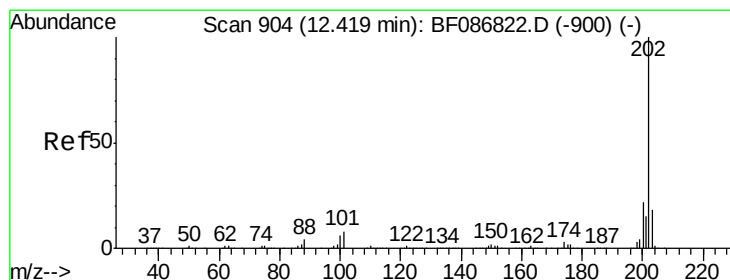
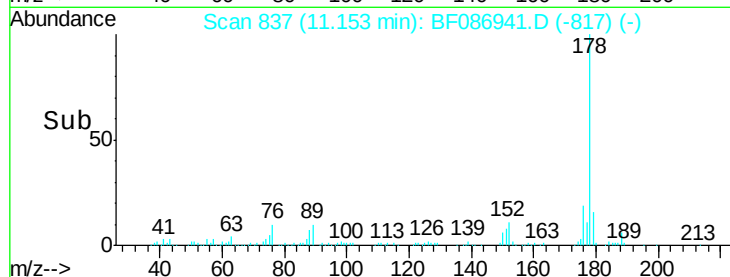
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 7.95 ng

RT: 12.34 min Scan# 941

Delta R.T. -0.08 min

Lab File: BF086941.D

Acq: 12 May 2016 20:22

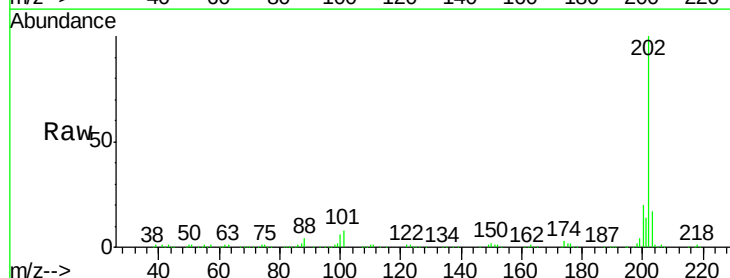
Tgt Ion:202 Resp: 229788

Ion Ratio Lower Upper

202 100

101 7.7 0.0 35.4

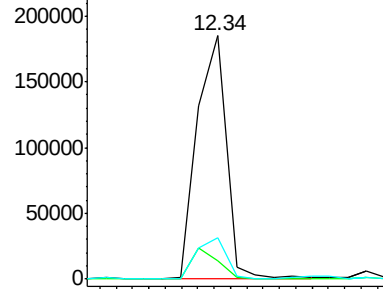
203 17.1 0.0 38.1



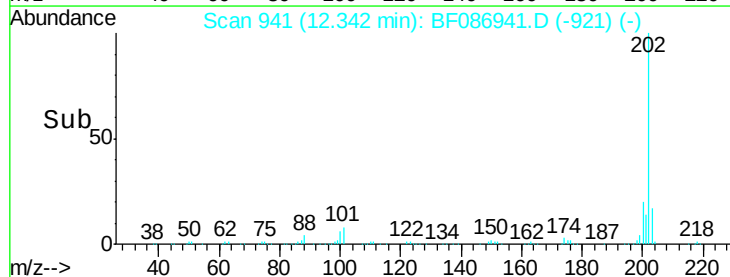
Abundance Ion 202.00 (201.70 to 202.70): E

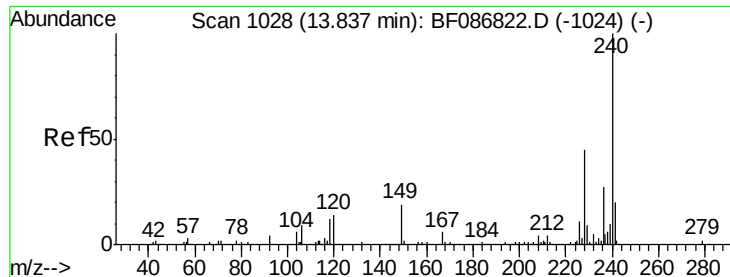
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.08 min

Lab File: BF086941.D

Acq: 12 May 2016 20:22

Instrument :

BNA_F

ClientSampleId :

SS-03

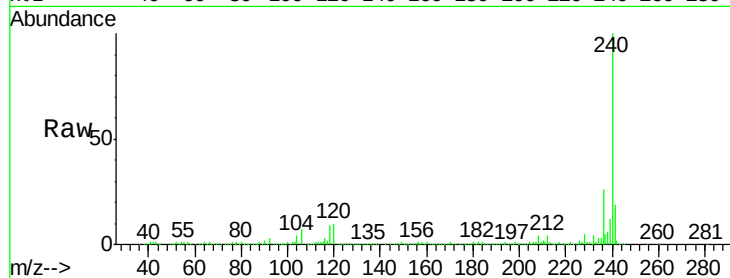
Tgt Ion:240 Resp: 354213

Ion Ratio Lower Upper

240 100

120 10.3 11.2 16.8#

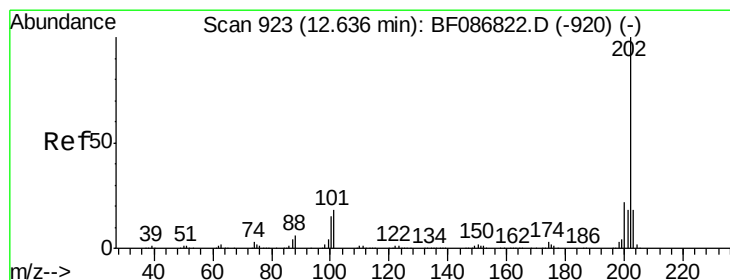
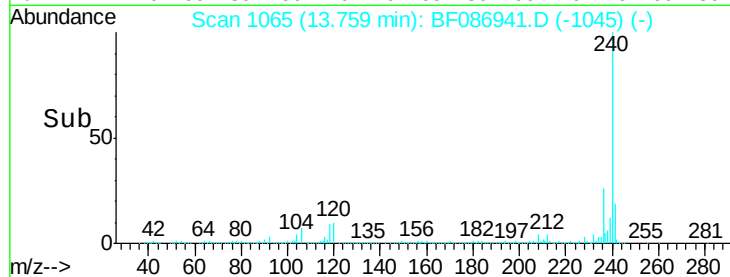
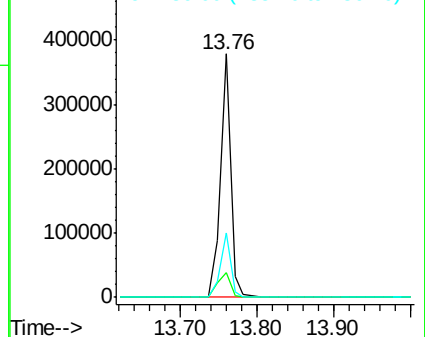
236 26.3 21.2 31.8



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: 7.17 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.08 min

Lab File: BF086941.D

Acq: 12 May 2016 20:22

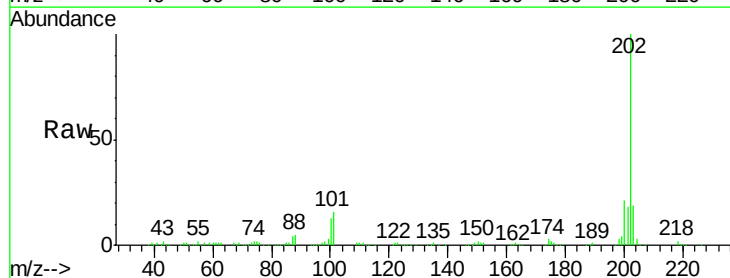
Tgt Ion:202 Resp: 194565

Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

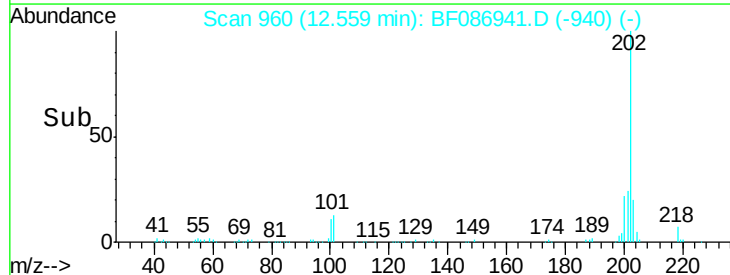
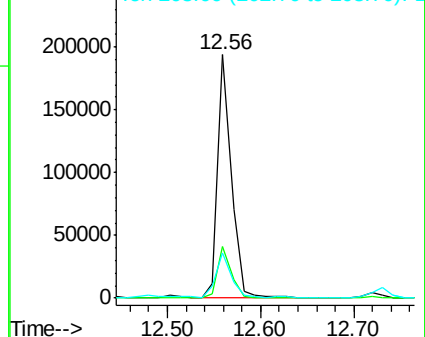
203 18.5 14.2 21.4

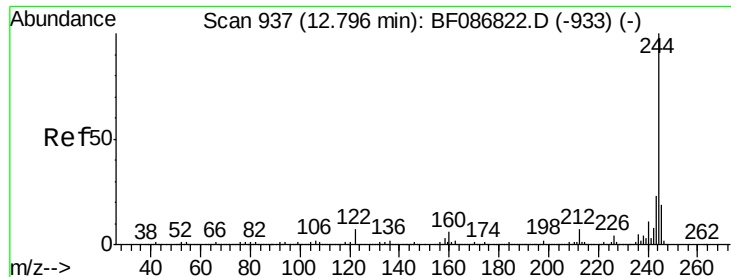


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

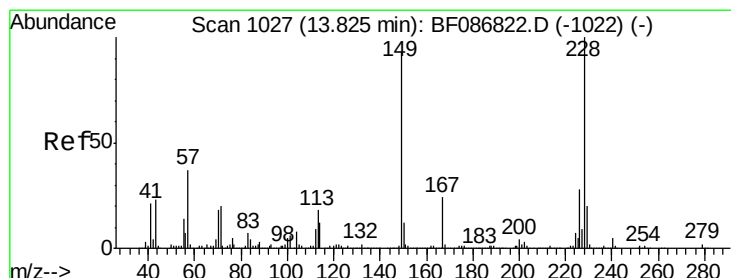
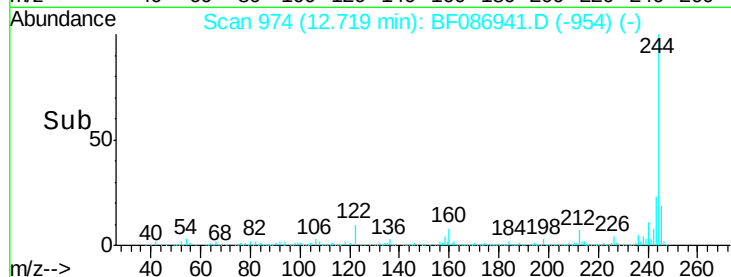
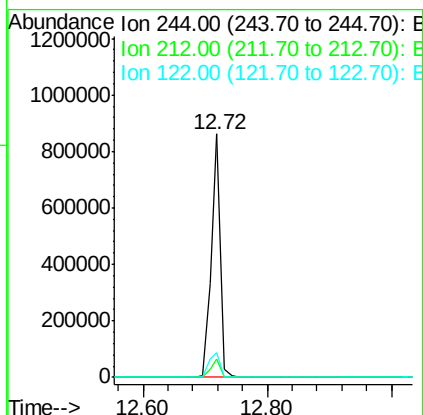
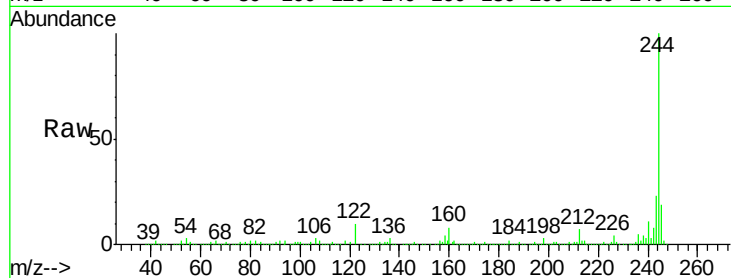




#78
 Terphenyl-d14
 Concen: 51.21 ng
 RT: 12.72 min Scan# 974
 Delta R.T. -0.08 min
 Lab File: BF086941.D
 Acq: 12 May 2016 20:22

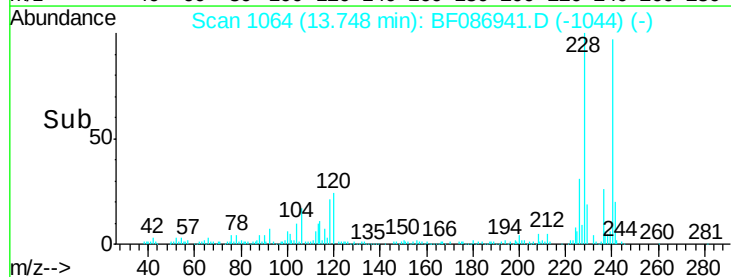
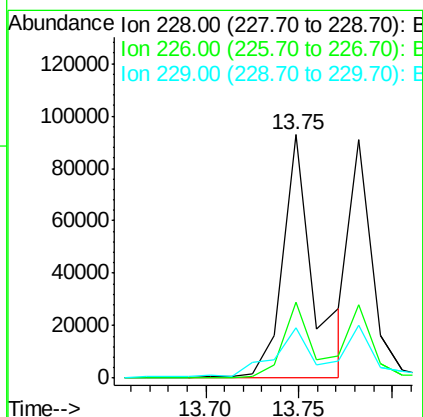
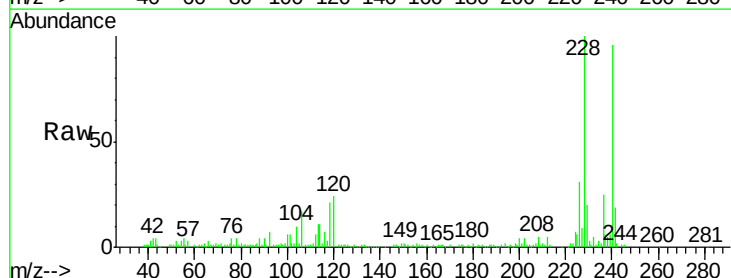
Instrument :
 BNA_F
 ClientSampleID :
 SS-03

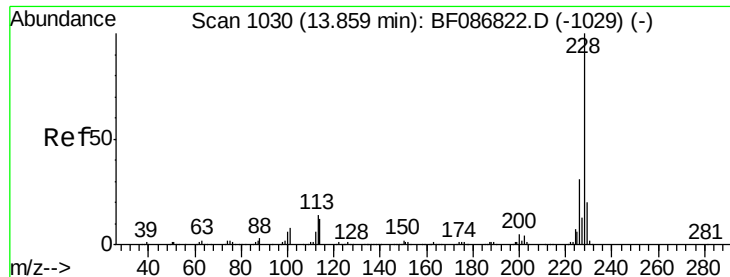
Tgt Ion: 244 Resp: 854876
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 10.4 12.0 18.0#



#80
 Benzo(a)anthracene
 Concen: 5.43 ng
 RT: 13.75 min Scan# 1064
 Delta R.T. -0.08 min
 Lab File: BF086941.D
 Acq: 12 May 2016 20:22

Tgt Ion: 228 Resp: 108036
 Ion Ratio Lower Upper
 228 100
 226 30.9 22.5 33.7
 229 20.4 16.6 25.0





#82

Chrysene

Concen: 3.74 ng

RT: 13.78 min Scan# 1067

Delta R.T. -0.08 min

Lab File: BF086941.D

Acq: 12 May 2016 20:22

Instrument :

BNA_F

ClientSampleId :

SS-03

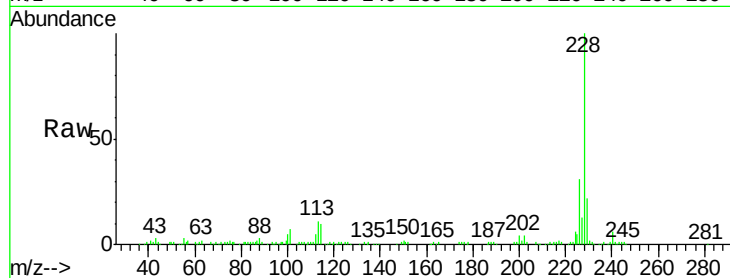
Tgt Ion:228 Resp: 75656

Ion Ratio Lower Upper

228 100

226 30.8 24.4 36.6

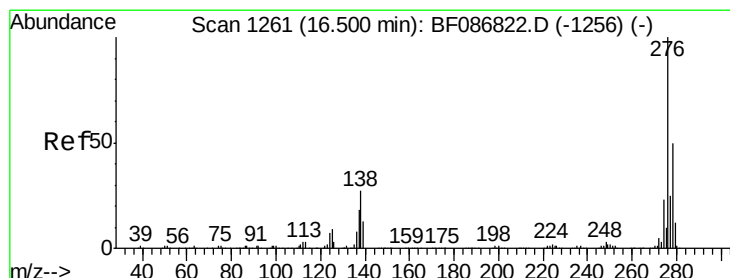
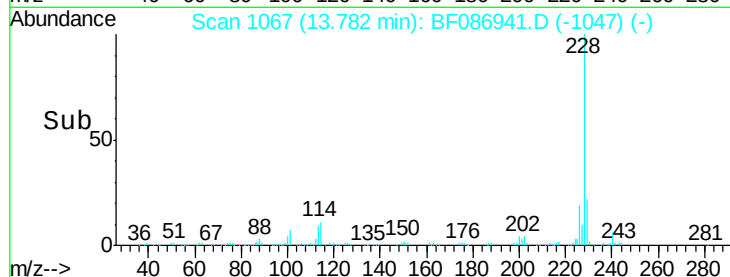
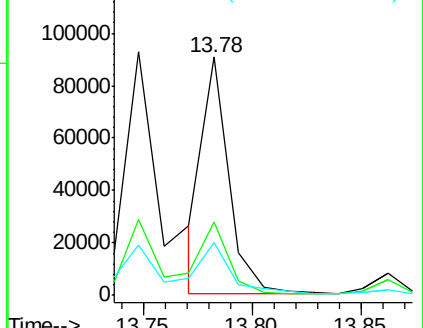
229 22.0 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.60 ng

RT: 16.37 min Scan# 1293

Delta R.T. -0.13 min

Lab File: BF086941.D

Acq: 12 May 2016 20:22

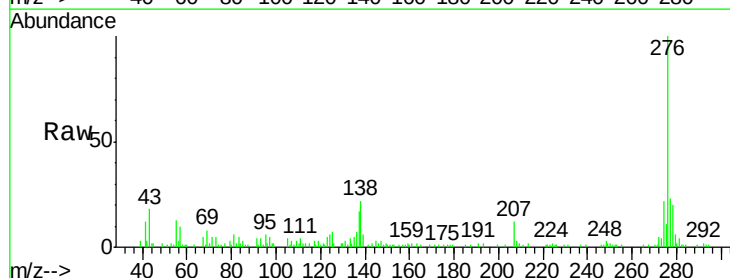
Tgt Ion:276 Resp: 60530

Ion Ratio Lower Upper

276 100

138 21.9 25.6 38.4#

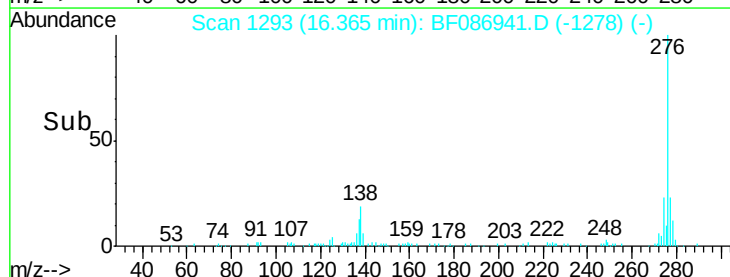
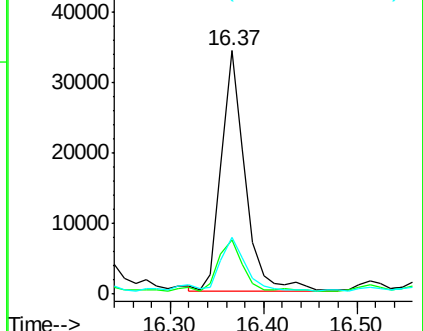
277 25.0 20.5 30.7

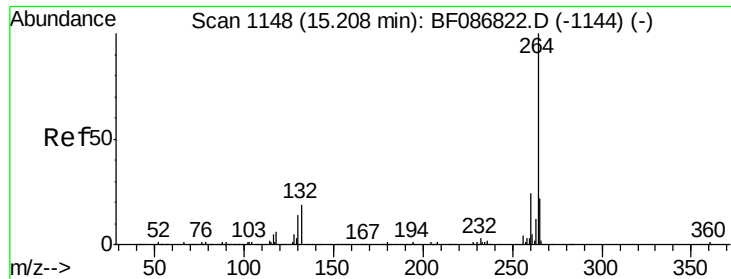


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

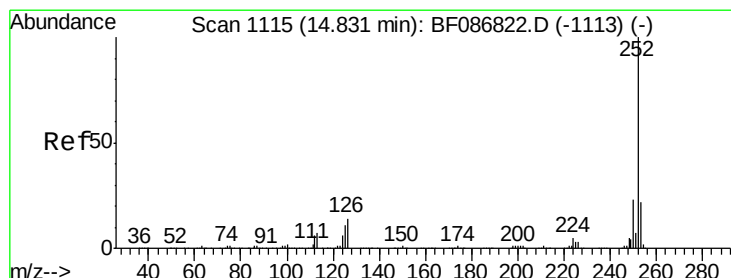
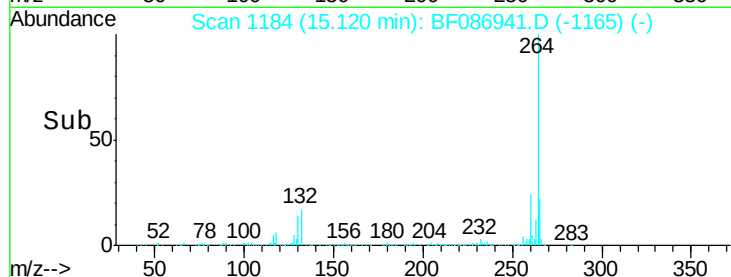
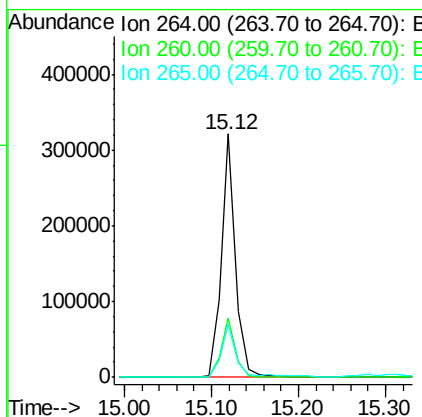
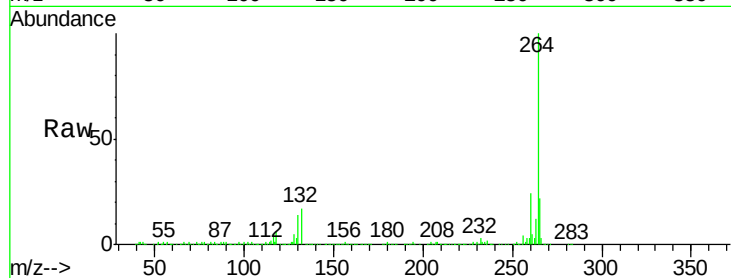




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. -0.09 min
Lab File: BF086941.D
Acq: 12 May 2016 20:22

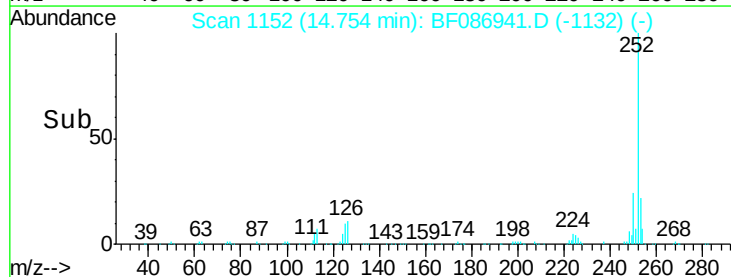
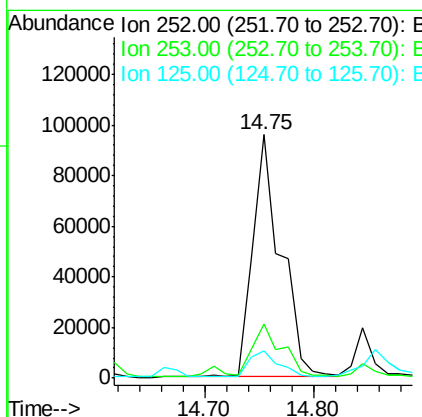
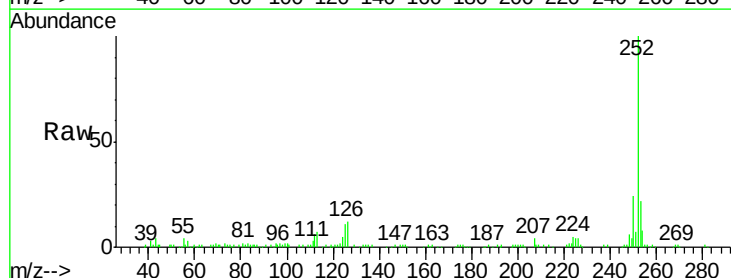
Instrument :
BNA_F
ClientSampleId :
SS-03

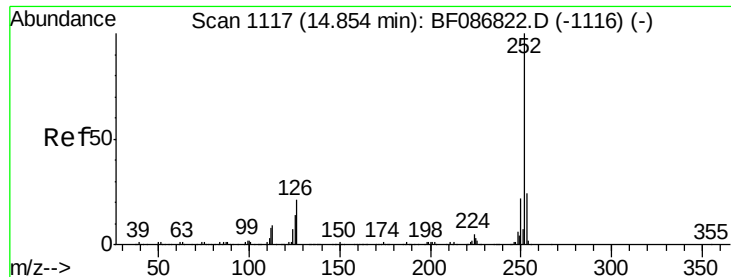
Tgt Ion:264 Resp: 368626
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 21.7 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 7.15 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.08 min
Lab File: BF086941.D
Acq: 12 May 2016 20:22

Tgt Ion:252 Resp: 171190
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 11.1 11.4 17.0#





#88

Benzo(k)fluoranthene

Concen: 8.73 ng

RT: 14.75 min Scan# 1152

Delta R.T. -0.10 min

Lab File: BF086941.D

Acq: 12 May 2016 20:22

Instrument :

BNA_F

ClientSampleId :

SS-03

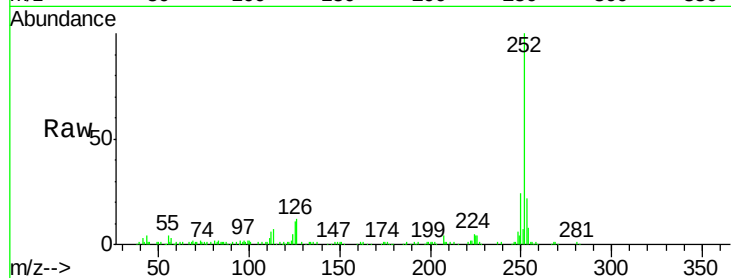
Tgt Ion:252 Resp: 171190

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

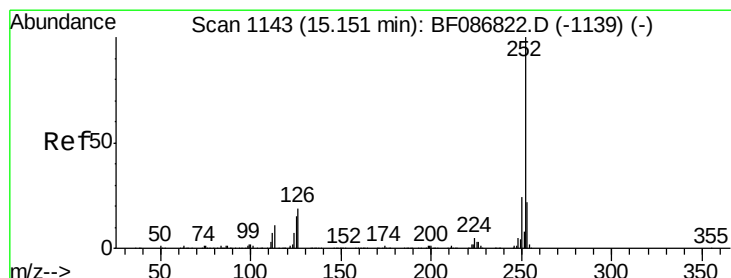
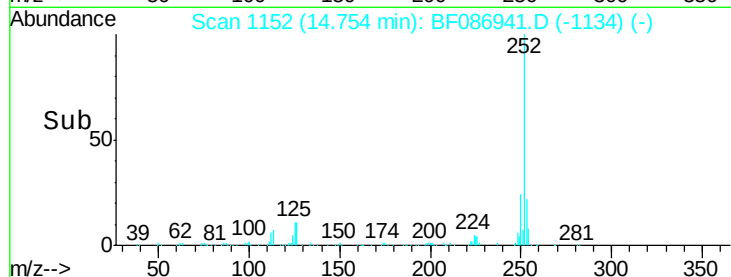
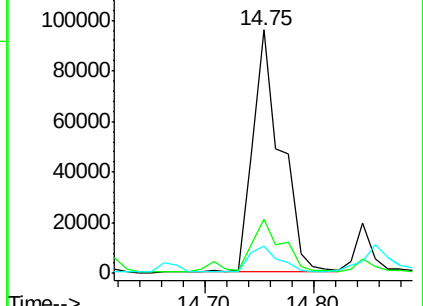
125 11.1 9.1 13.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 4.46 ng

RT: 15.06 min Scan# 1179

Delta R.T. -0.09 min

Lab File: BF086941.D

Acq: 12 May 2016 20:22

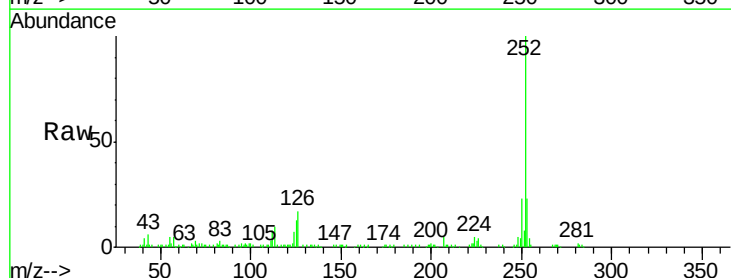
Tgt Ion:252 Resp: 92180

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

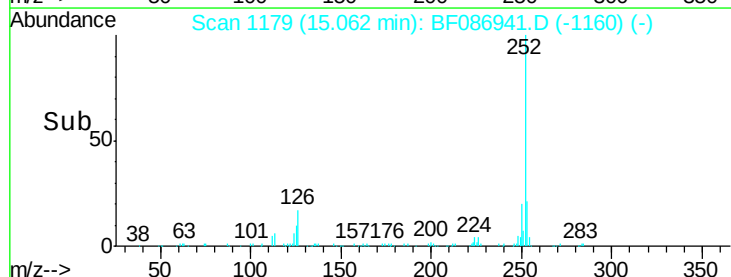
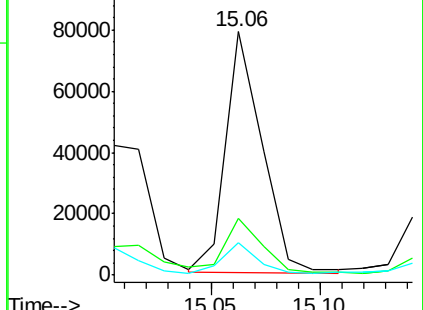
125 13.5 9.0 13.6

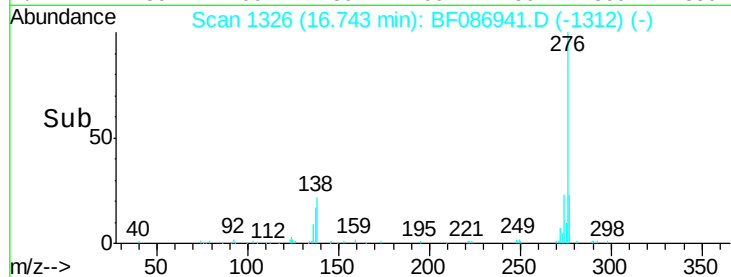
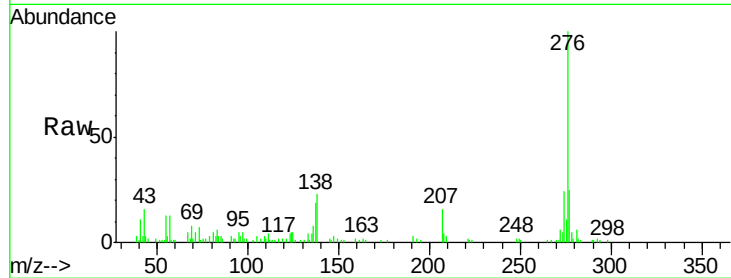
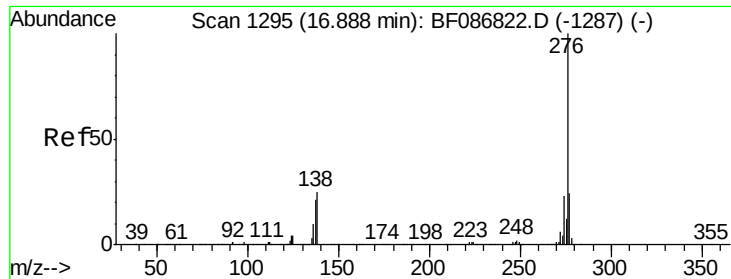


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 3.13 ng

RT: 16.74 min Scan# 1326

Delta R.T. -0.15 min

Lab File: BF086941.D

Acq: 12 May 2016 20:22

Instrument :

BNA_F

ClientSampleId :

SS-03

Tgt Ion: 276 Resp: 55323

Ion Ratio Lower Upper

276 100

277 24.8 19.6 29.4

138 22.7 23.6 35.4#

